

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032519\
 Data File : BG040132.D
 Acq On : 26 Mar 2019 00:53
 Operator : JU/SJ
 Sample : K2059-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-4

Quant Time: Mar 26 02:59:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	34548	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	153411	20.00	ng	-0.03
39) Acenaphthene-d10	14.76	164	115854	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	294162	20.00	ng	-0.02
76) Chrysene-d12	21.79	240	297069	20.00	ng	-0.03
87) Perylene-d12	25.15	264	295199	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.69	112	41285	20.39	ng	-0.02
7) Phenol-d6	7.28	99	54628	18.09	ng	-0.03
23) Nitrobenzene-d5	9.32	82	117800	41.53	ng	-0.03
42) 2,4,6-Tribromophenol	16.26	330	10485	7.76	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	329800	40.53	ng	-0.03
79) Terphenyl-d14	20.10	244	605231	44.86	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.27	88	2337	2.500	ng	# 1
3) Pyridine	3.97	79	1269	0.507	ng	# 26
4) n-Nitrosodimethylamine	3.88	42	255	0.215	ng	# 1
6) Aniline	7.50	93	68	0.017	ng	# 1
8) 2-Chlorophenol	7.20	128	66	0.027	ng	# 29
9) Benzaldehyde	7.27	77	1222	0.627	ng	# 1
10) Phenol	7.31	94	989	0.302	ng	# 61
11) bis(2-Chloroethyl)ether	7.50	93	68	0.027	ng	# 1
15) Benzyl Alcohol	8.42	79	146	0.061	ng	# 49
16) 2,2'-oxybis(1-Chloropropan	8.61	45	57	0.011	ng	# 1
17) 2-Methylphenol	8.82	107	161	0.077	ng	# 1
18) Hexachloroethane	9.24	117	12317	12.129	ng	# 1
19) n-Nitroso-di-n-propylamine	9.32	70	15304	7.042	ng	# 71
20) 3+4-Methylphenols	8.82	107	161	0.056	ng	# 1
22) Acetophenone	8.93	105	14310	3.475	ng	# 52
24) Nitrobenzene	9.32	77	2552	0.858	ng	# 1
27) 2,4-Dimethylphenol	10.15	122	1856	0.831	ng	# 81
28) bis(2-Chloroethoxy)methane	10.35	93	450	0.125	ng	# 51
29) 2,4-Dichlorophenol	10.60	162	68	0.027	ng	# 23
31) Naphthalene	11.01	128	8162	1.005	ng	# 95
32) Benzoic acid	10.15	122	1856	7.642	ng	# 31
33) 4-Chloroaniline	11.05	127	284	0.082	ng	# 33
37) 2-Methylnaphthalene	12.61	142	9477	1.561	ng	# 92
38) 1-Methylnaphthalene	12.61	142	9477	1.606	ng	# 89
40) 1,2,4,5-Tetrachlorobenzene	12.86	216	58	0.015	ng	# 26
46) 1,1'-Biphenyl	13.61	154	341	0.036	ng	# 41
48) 2-Nitroaniline	13.38	65	336	0.146	ng	# 7
49) Acenaphthylene	14.08	152	124	0.011	ng	# 59
50) Dimethylphthalate	14.21	163	4222	0.436	ng	# 91
51) 2,6-Dinitrotoluene	14.76	165	15082	7.344	ng	# 23
52) Acenaphthene	14.84	154	76	0.011	ng	# 5
57) 2,4-Dinitrotoluene	14.76	165	15082	5.226	ng	# 18
58) Fluorene	15.82	166	309	0.034	ng	# 83
60) Diethylphthalate	15.56	149	145	0.015	ng	# 58

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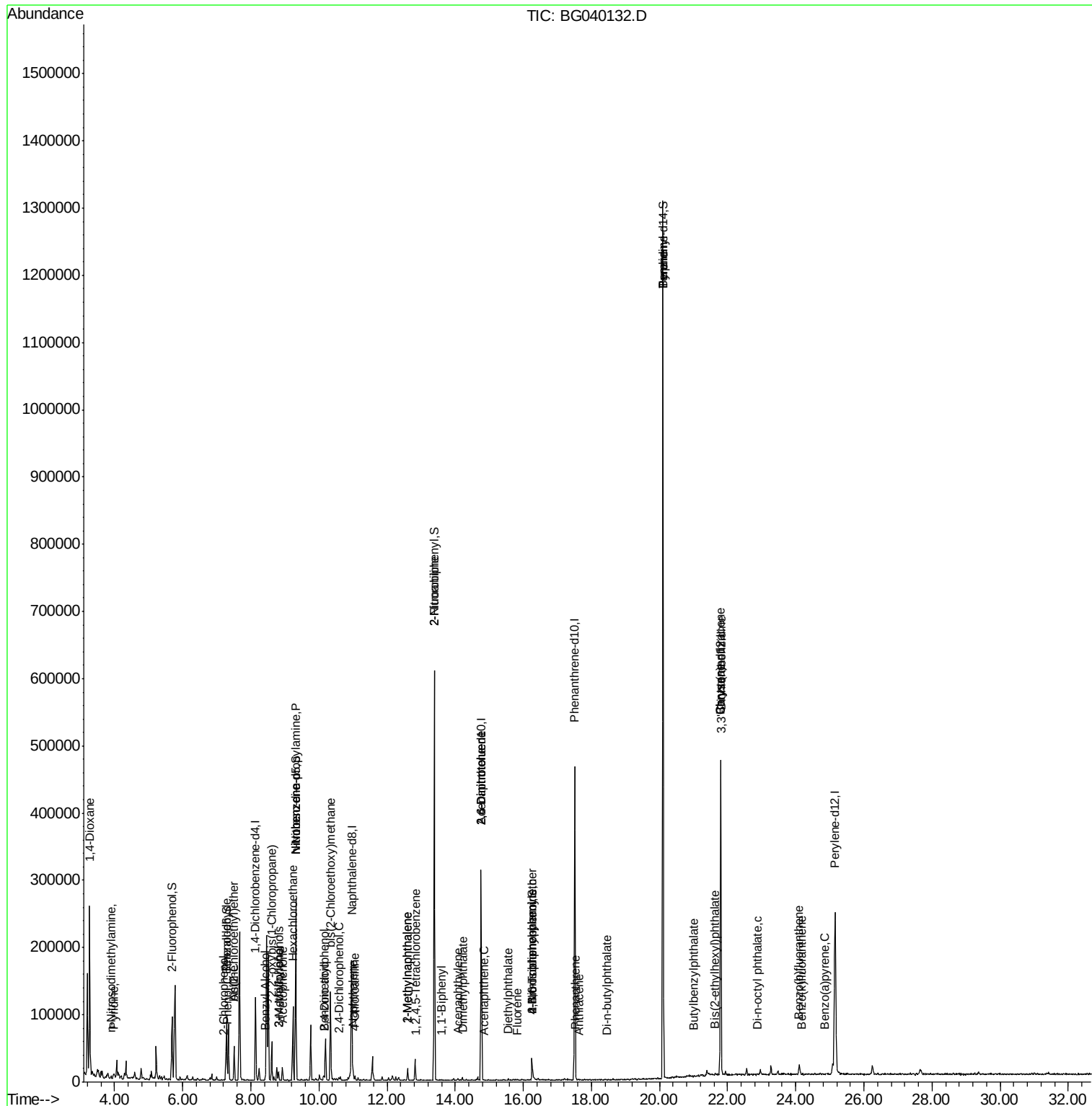
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

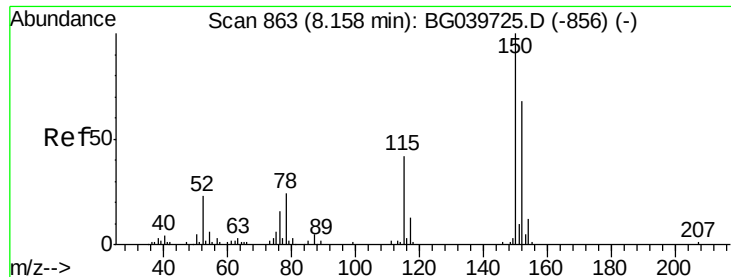
66) n-Nitrosodiphenylamine	16.25	169	102	0.012	ng	# 23
67) 4-Bromophenyl-phenylether	16.27	248	339	0.103	ng	# 1
71) Phenanthrene	17.55	178	158	0.010	ng	# 59
72) Anthracene	17.64	178	55	0.003	ng	# 60
74) Di-n-butylphthalate	18.45	149	372	0.022	ng	# 77
77) Benzidine	20.10	184	10255	1.088	ng	# 92
78) Pyrene	20.10	202	2380	0.123	ng	# 64
80) Butylbenzylphthalate	21.01	149	55	0.007	ng	# 22
81) Benzo(a)anthracene	21.79	228	849	0.046	ng	# 33
82) 3,3'-Dichlorobenzidine	21.81	252	58	0.009	ng	# 1
83) Chrysene	21.79	228	849	0.047	ng	# 31
84) Bis(2-ethylhexyl)phthalate	21.64	149	1406	0.134	ng	# 93
85) Di-n-octyl phthalate	22.87	149	56	0.003	ng	# 1
88) Benzo(b)fluoranthene	24.10	252	59	0.003	ng	# 60
89) Benzo(k)fluoranthene	24.17	252	63	0.004	ng	# 59
90) Benzo(a)pyrene	24.85	252	55	0.003	ng	# 59

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

```
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

Instrument :

BNA_G

ClientSampleId :

MW-4

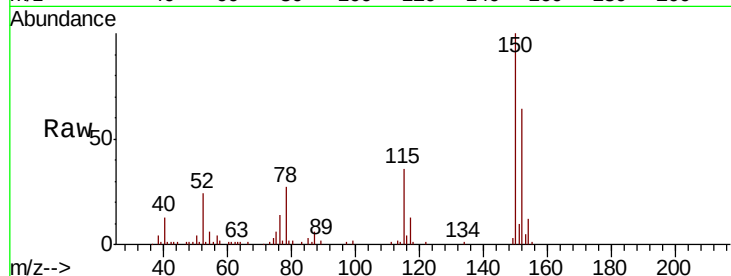
Tgt Ion:152 Resp: 34548

Ion Ratio Lower Upper

152 100

150 155.1 123.7 185.5

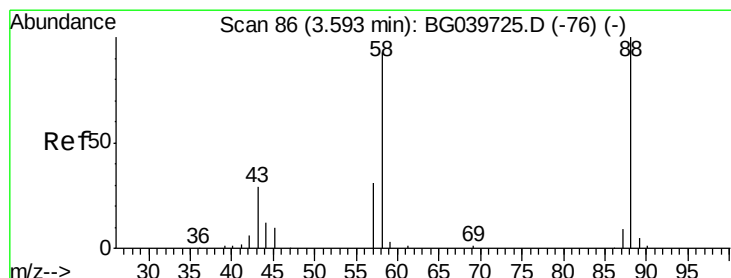
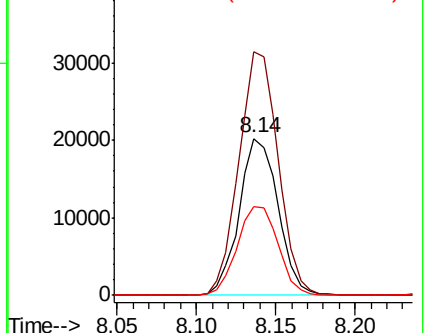
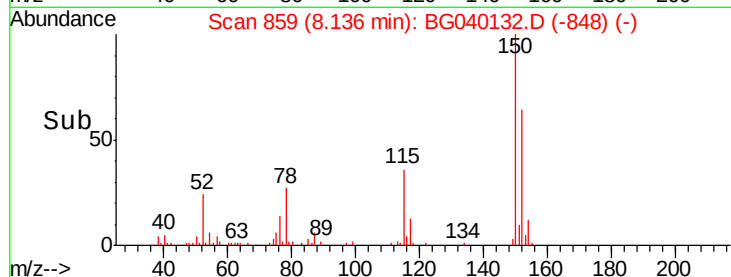
115 56.6 45.9 68.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 2.500 ng

RT: 3.27 min Scan# 30

Delta R.T. -0.34 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

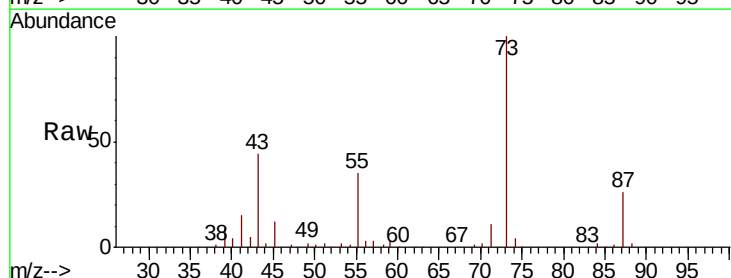
Tgt Ion: 88 Resp: 2337

Ion Ratio Lower Upper

88 100

58 38.3 81.1 121.7#

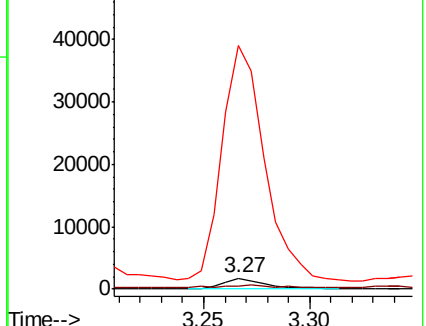
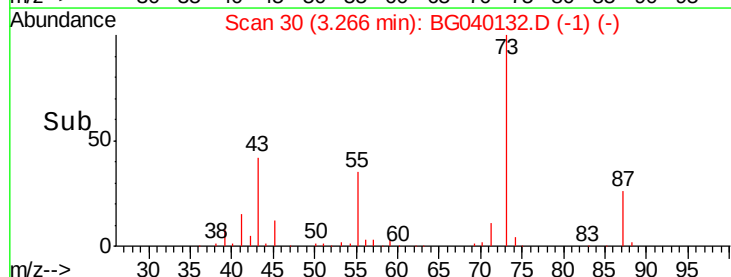
43 2390.3 31.4 47.0#

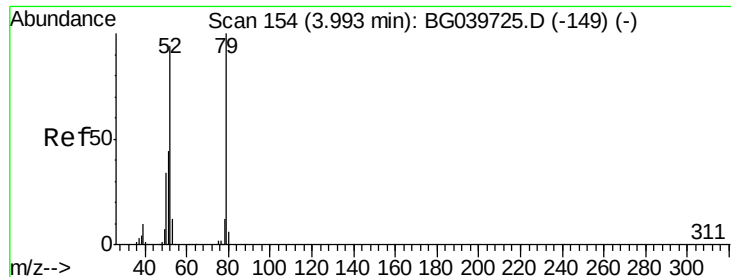


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 0.507 ng

RT: 3.97 min Scan# 149

Delta R.T. -0.04 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

Instrument :

BNA_G

ClientSampleId :

MW-4

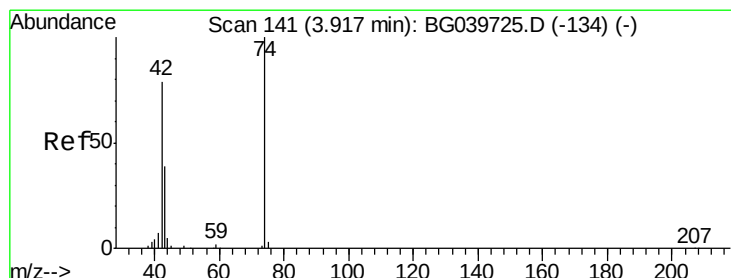
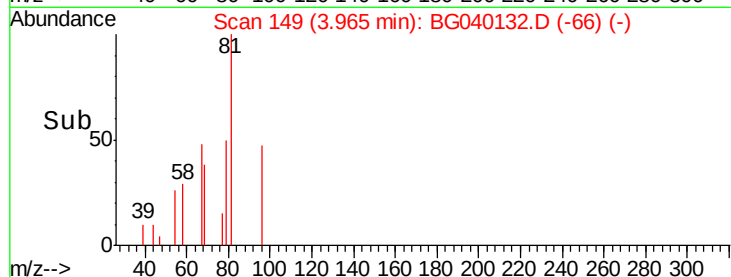
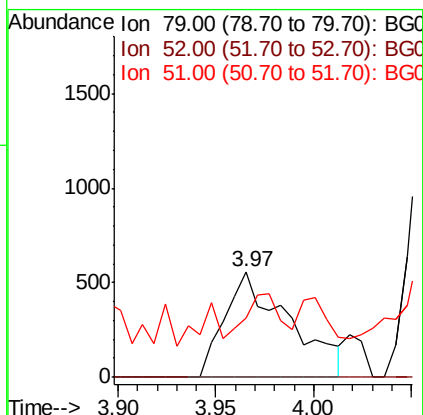
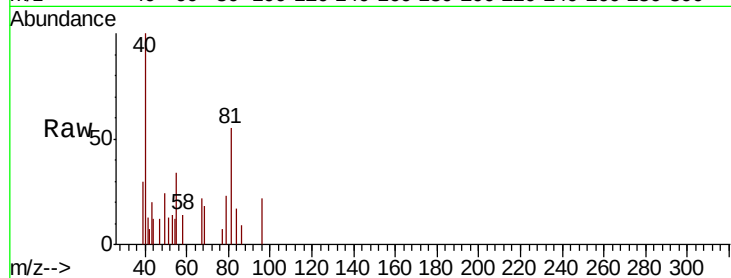
Tgt Ion: 79 Resp: 1269

Ion Ratio Lower Upper

79 100

52 0.0 82.6 124.0#

51 55.7 37.5 56.3



#4

n-Nitrosodimethylamine

Concen: 0.215 ng

RT: 3.88 min Scan# 135

Delta R.T. -0.05 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

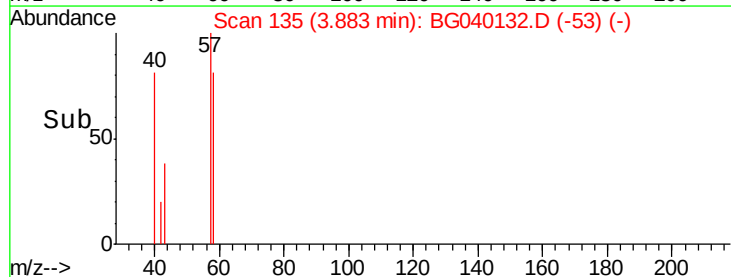
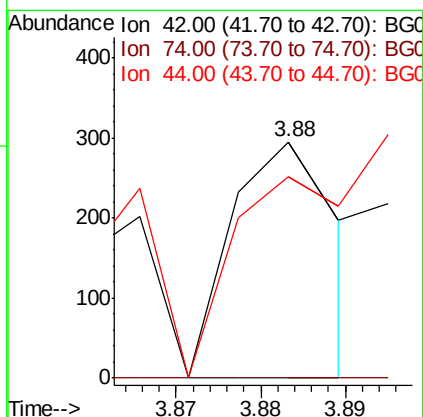
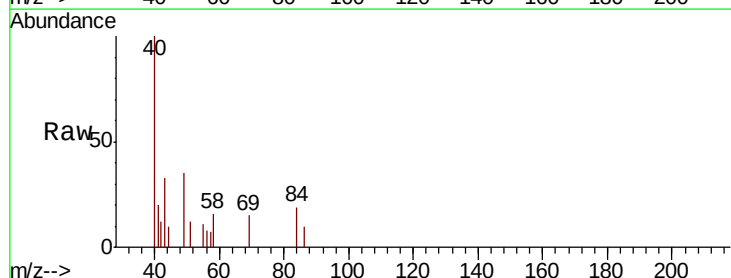
Tgt Ion: 42 Resp: 255

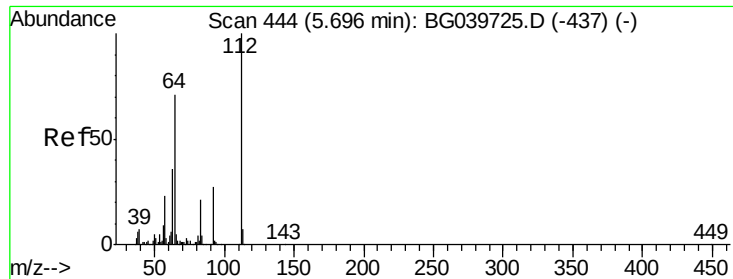
Ion Ratio Lower Upper

42 100

74 0.0 83.6 125.4#

44 85.1 6.9 10.3#





#5

2-Fluorophenol

Concen: 20.387 ng

RT: 5.69 min Scan# 442

Delta R.T. -0.02 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

Instrument :

BNA_G

ClientSampleId :

MW-4

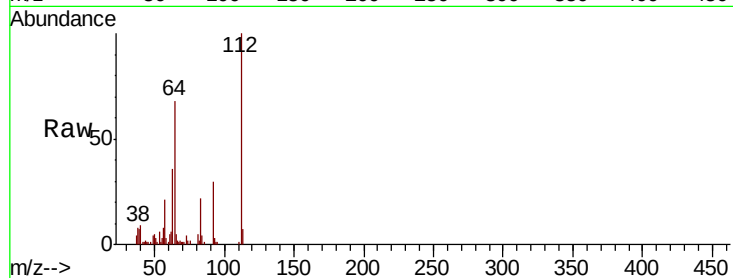
Tgt Ion: 112 Resp: 41285

Ion Ratio Lower Upper

112 100

64 67.6 57.8 86.8

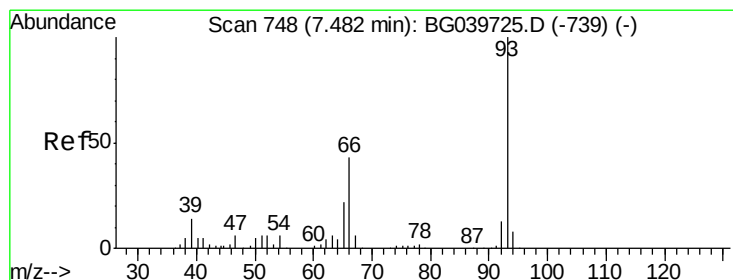
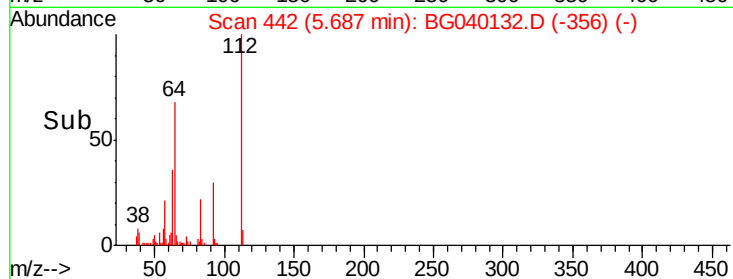
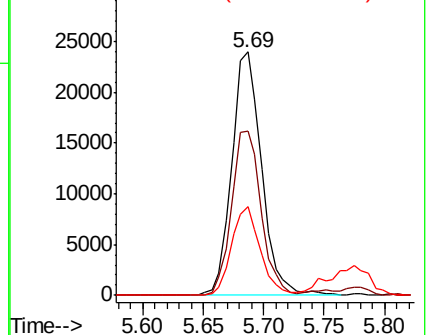
63 36.4 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 0.017 ng

RT: 7.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

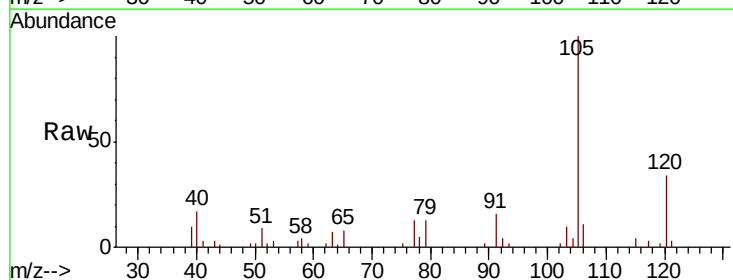
Tgt Ion: 93 Resp: 68

Ion Ratio Lower Upper

93 100

66 0.0 34.2 51.4#

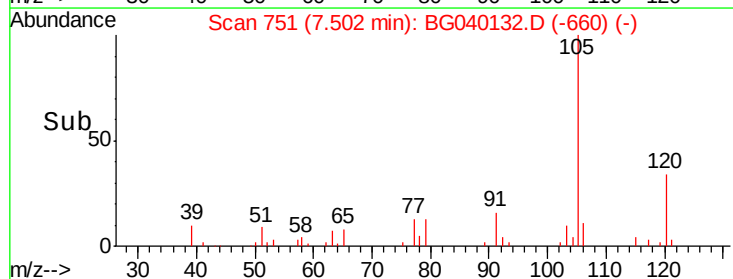
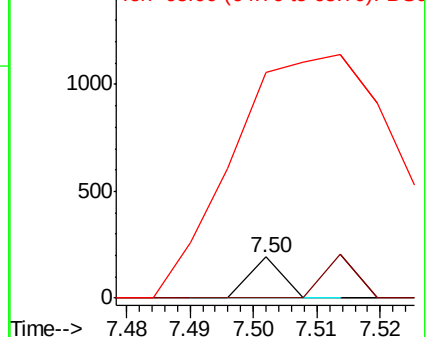
65 547.2 17.7 26.5#

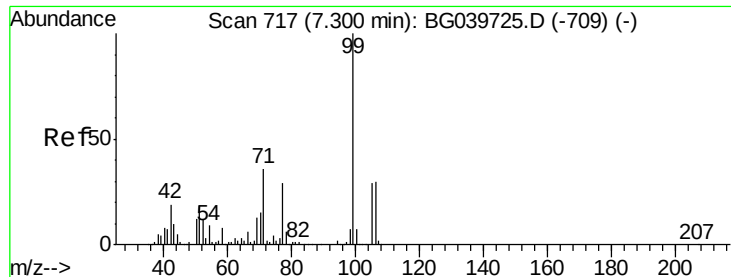


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 18.092 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.03 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

Instrument :

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ClientSampleId :

MW-4

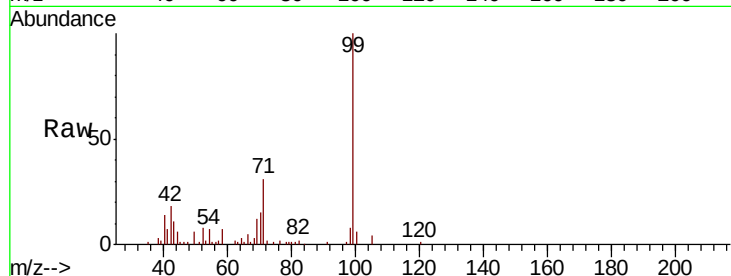
Tgt Ion: 99 Resp: 54628

Ion Ratio Lower Upper

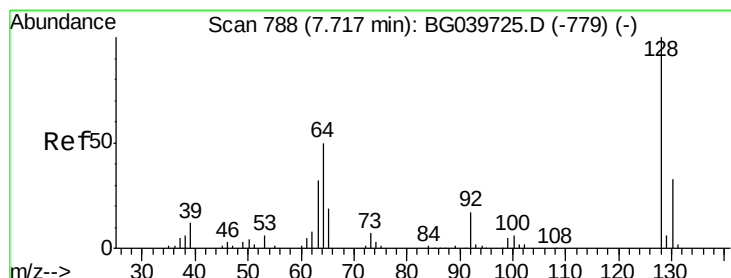
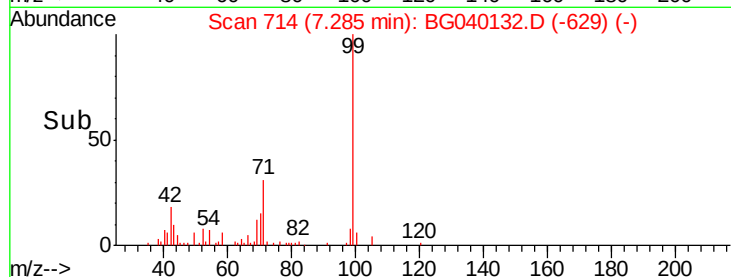
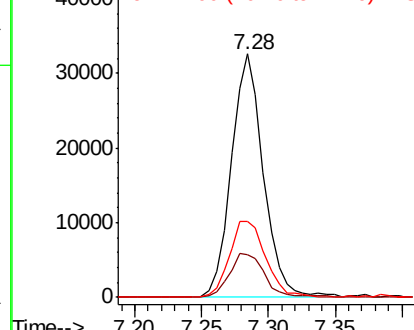
99 100

42 17.7 18.2 27.2#

71 31.1 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 0.027 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.52 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

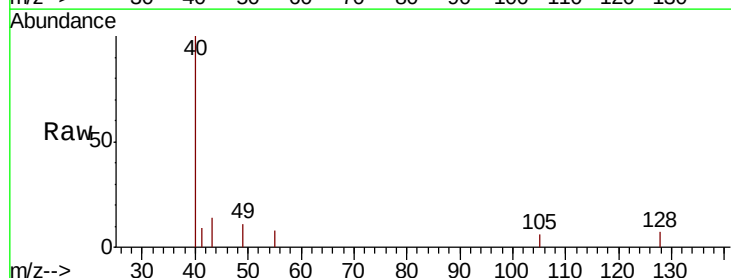
Tgt Ion: 128 Resp: 66

Ion Ratio Lower Upper

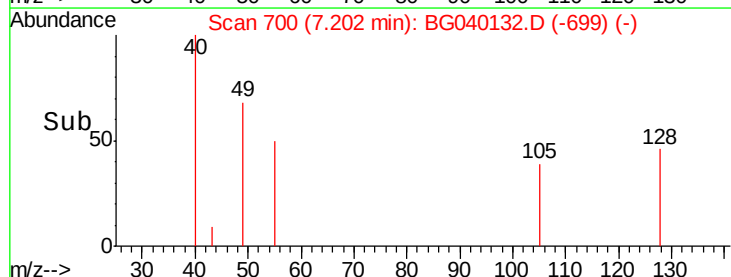
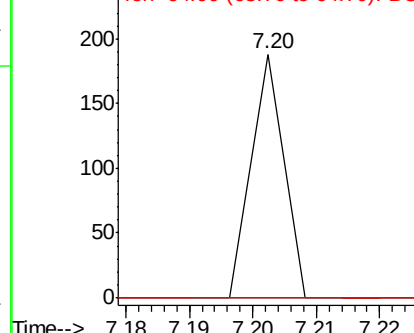
128 100

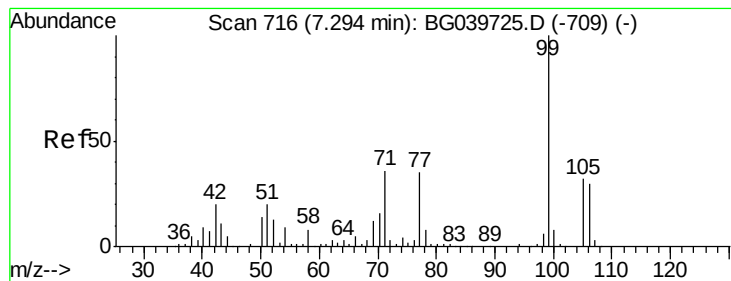
130 0.0 12.9 52.9#

64 0.0 38.7 78.7#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 0.627 ng

RT: 7.27 min Scan# 712

Delta R.T. -0.03 min

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ClientSampleId :

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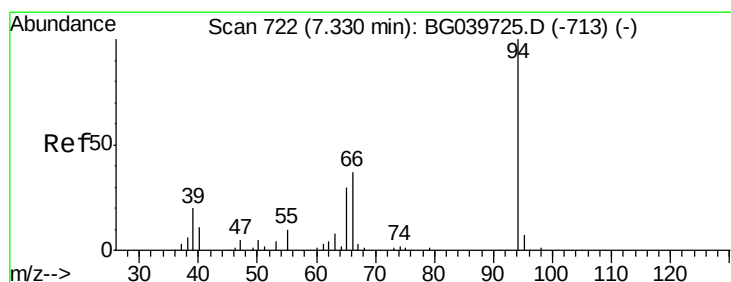
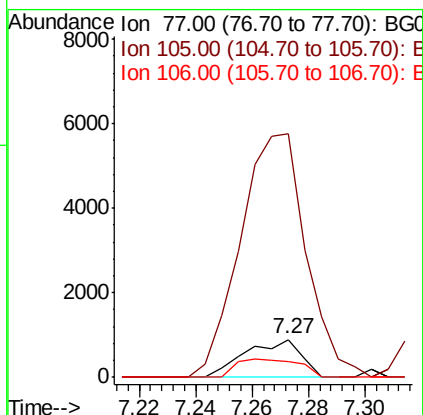
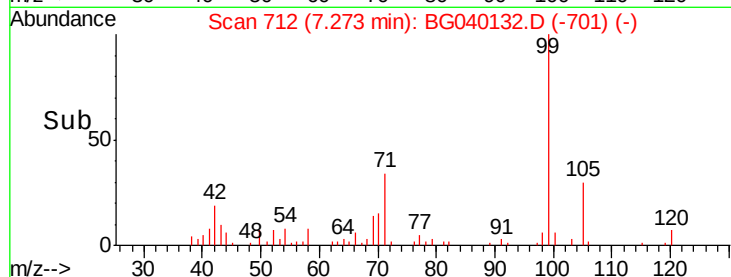
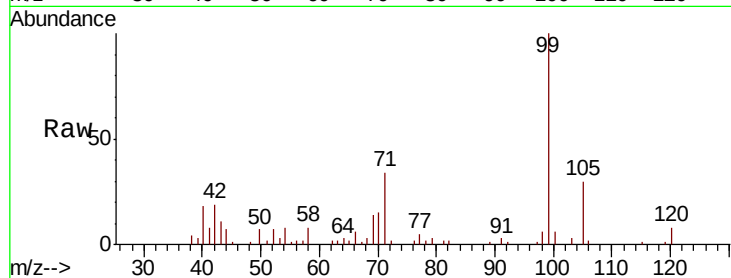
Tgt Ion: 77 Resp: 1222

Ion Ratio Lower Upper

77 100

105 639.3 74.5 114.5#

106 41.2 68.0 108.0#



#10

Phenol

Concen: 0.302 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.02 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

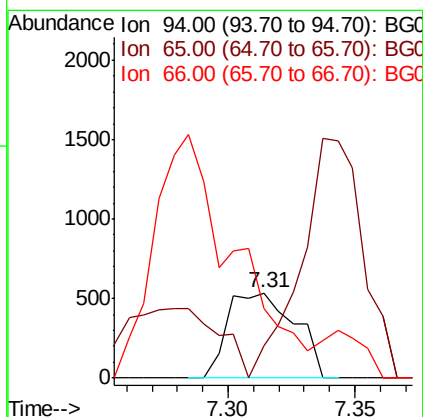
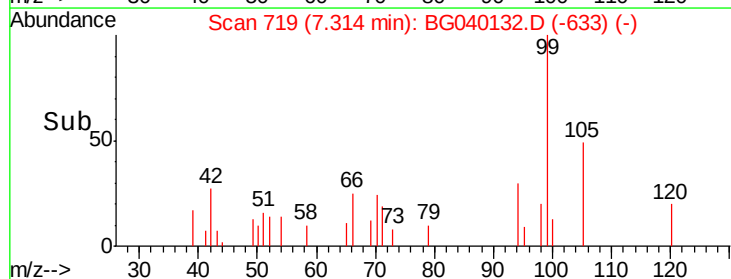
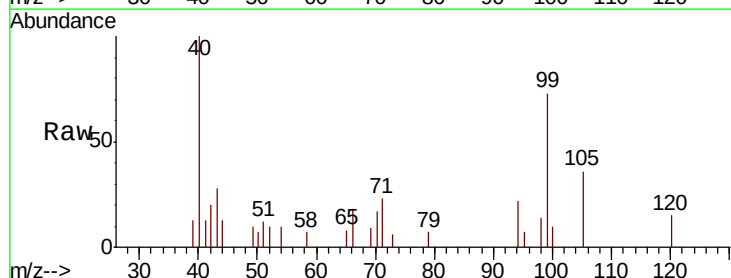
Tgt Ion: 94 Resp: 989

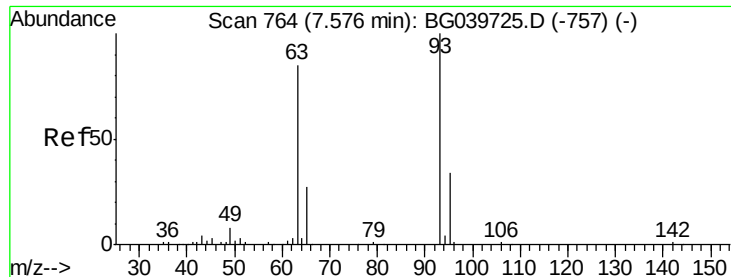
Ion Ratio Lower Upper

94 100

65 37.4 11.7 51.7

66 82.1 23.7 63.7#

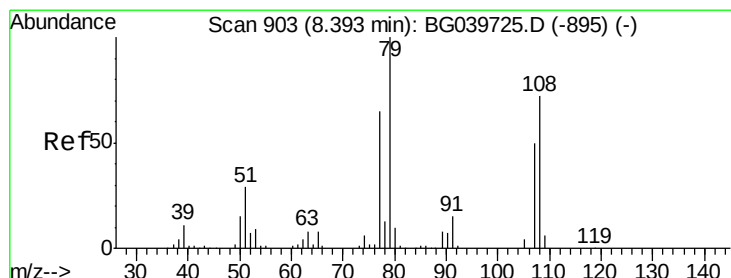
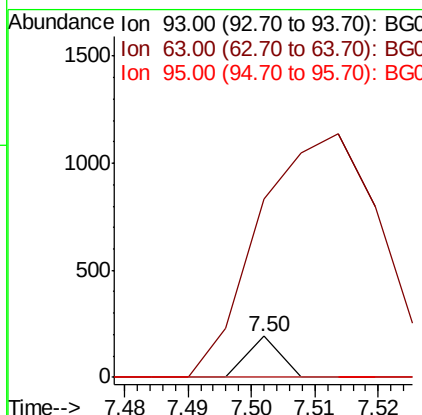
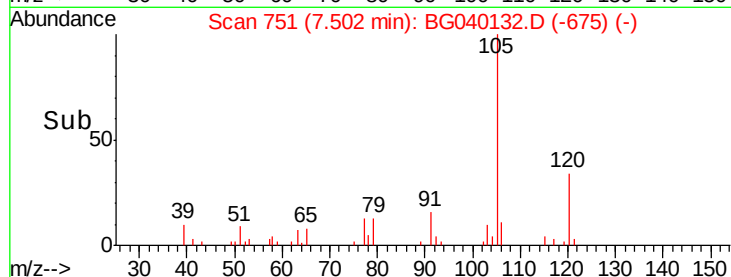
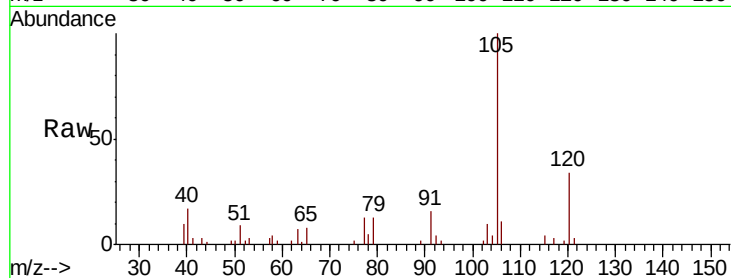




#11
bis(2-Chloroethyl)ether
Concen: 0.027 ng
RT: 7.50 min Scan# 751
Delta R.T. -0.08 min
Lab File: BG040132.D
Acq: 26 Mar 2019 00:53

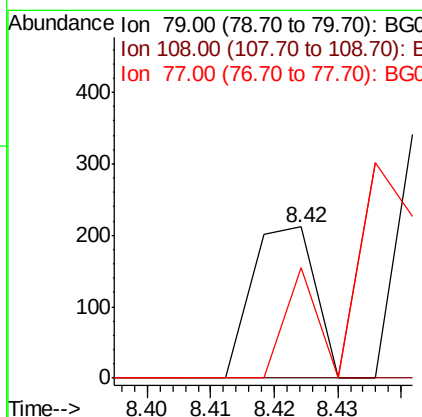
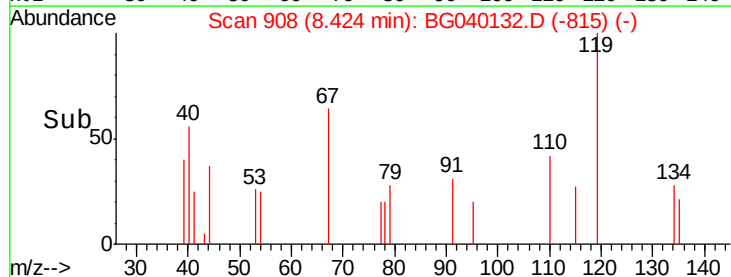
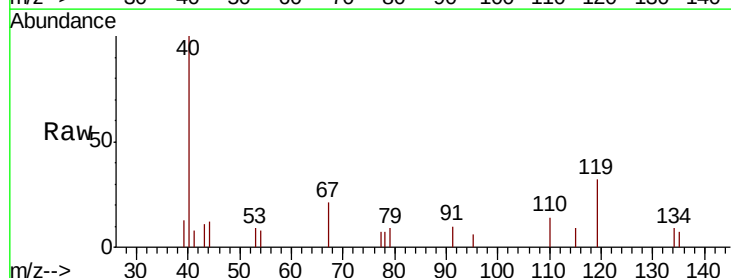
Instrument :
BNA_G
ClientSampled :
MW-4

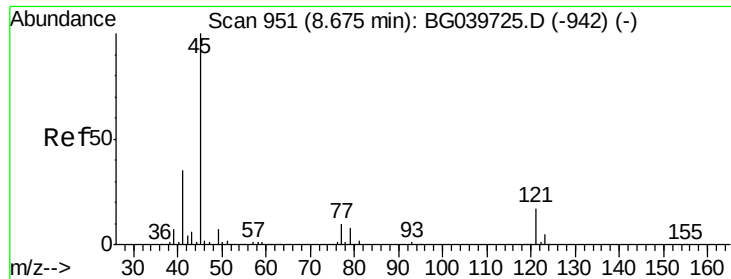
Tgt Ion: 93 Resp: 68
Ion Ratio Lower Upper
93 100
63 430.6 69.5 109.5#
95 0.0 12.7 52.7#



#15
Benzyl Alcohol
Concen: 0.061 ng
RT: 8.42 min Scan# 908
Delta R.T. 0.02 min
Lab File: BG040132.D
Acq: 26 Mar 2019 00:53

Tgt Ion: 79 Resp: 146
Ion Ratio Lower Upper
79 100
108 0.0 57.8 86.6#
77 73.1 51.1 76.7

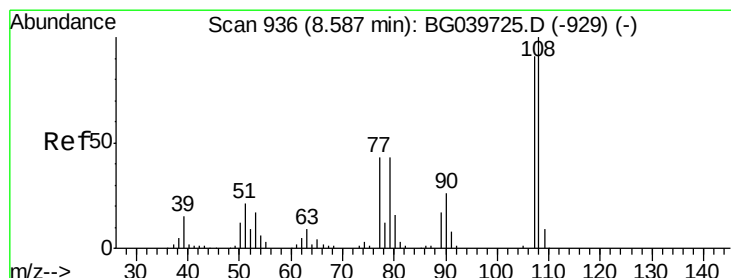
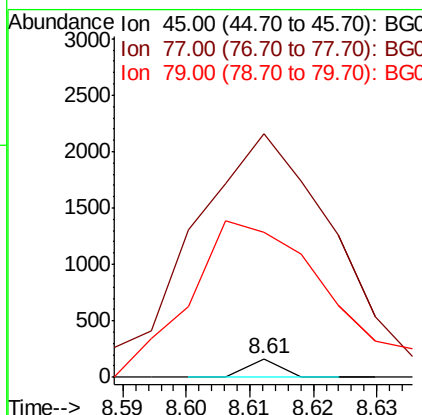
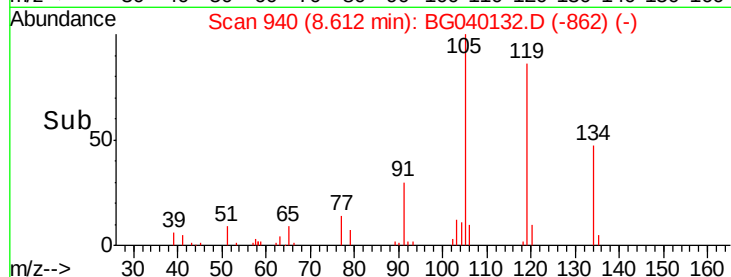
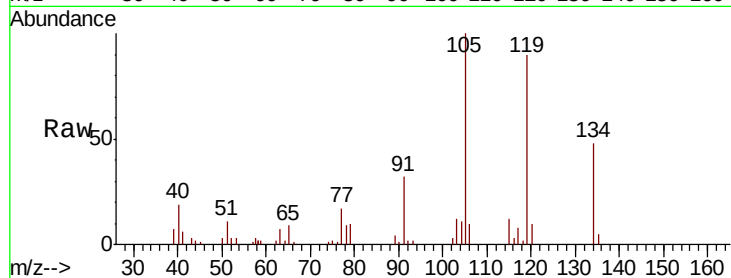




#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.011 ng
RT: 8.61 min Scan# 940
Delta R.T. -0.07 min
Lab File: BG040132.D
Acq: 26 Mar 2019 00:53

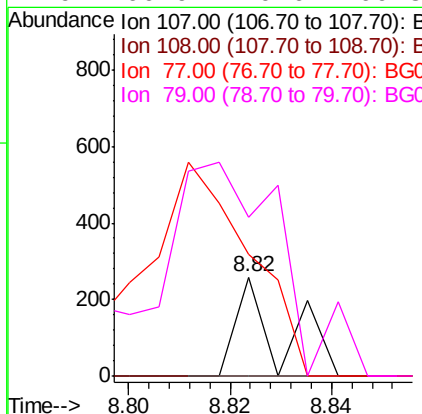
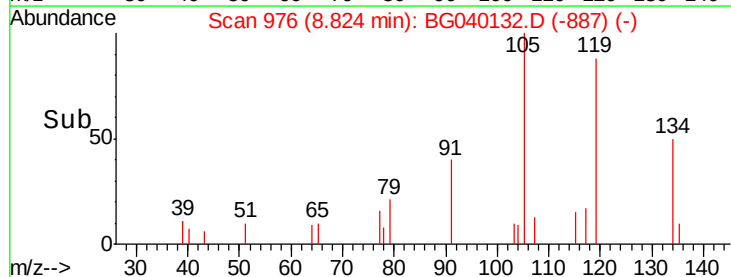
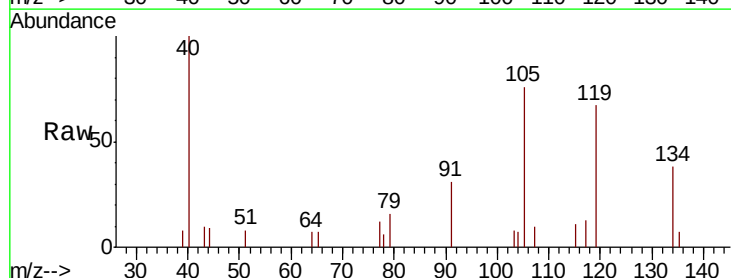
Instrument :
BNA_G
ClientSampleId :
MW-4

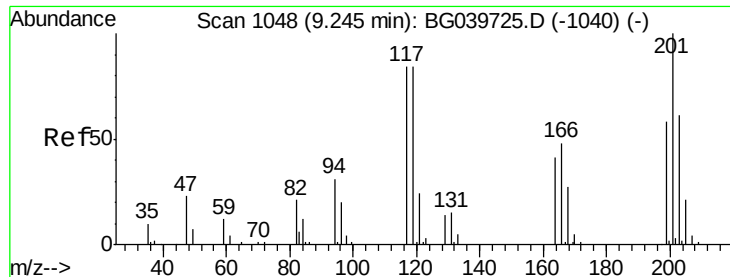
Tgt Ion: 45 Resp: 57
Ion Ratio Lower Upper
45 100
77 1331.5 0.0 30.0#
79 793.2 0.0 27.5#



#17
2-Methylphenol
Concen: 0.077 ng
RT: 8.82 min Scan# 976
Delta R.T. 0.22 min
Lab File: BG040132.D
Acq: 26 Mar 2019 00:53

Tgt Ion: 107 Resp: 161
Ion Ratio Lower Upper
107 100
108 0.0 90.8 136.2#
77 123.3 40.7 61.1#
79 160.9 40.6 60.8#

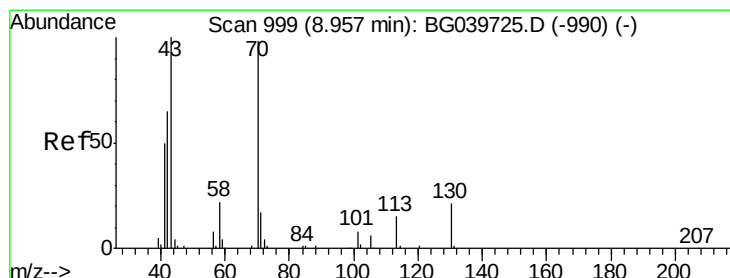
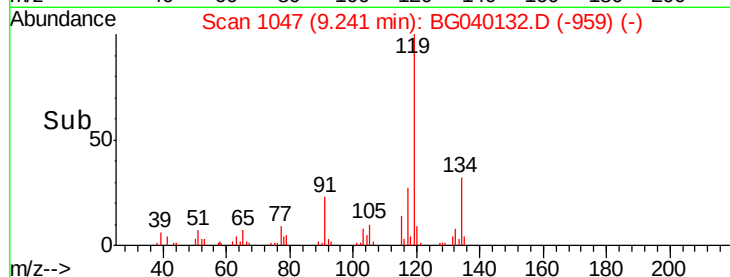
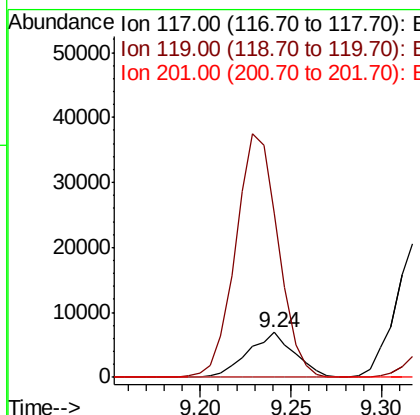
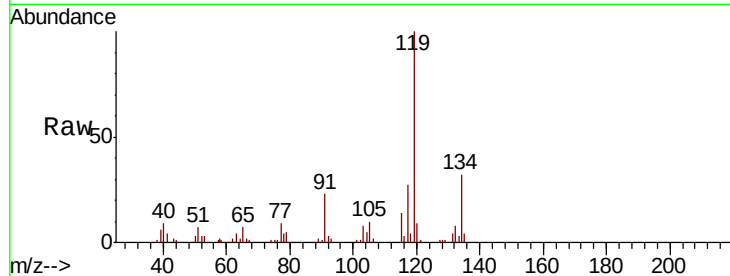




#18
Hexachloroethane
Concen: 12.129 ng
RT: 9.24 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BG040132.D
Acq: 26 Mar 2019 00:53

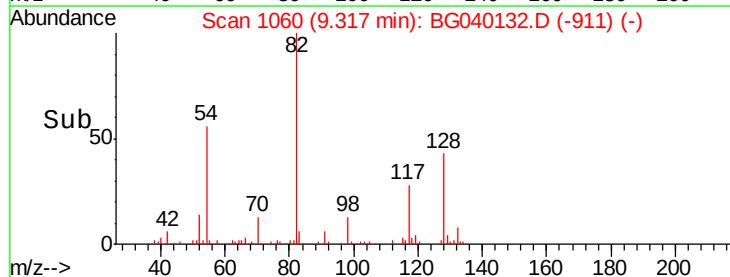
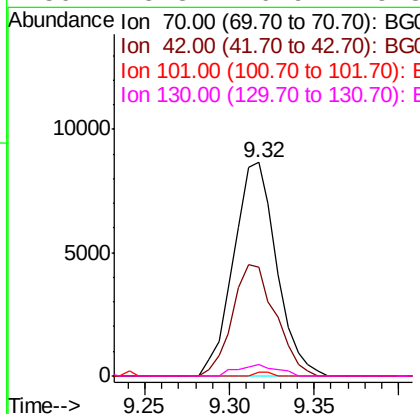
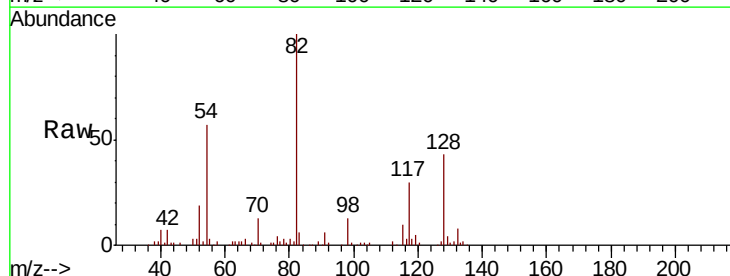
Instrument :
BNA_G
ClientSampleId :
MW-4

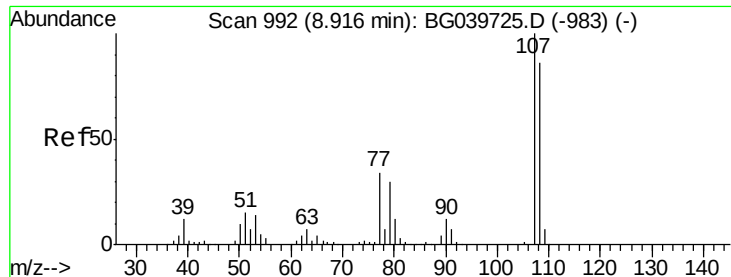
Tgt Ion: 117 Resp: 12317
Ion Ratio Lower Upper
117 100
119 365.8 76.3 114.5#
201 0.0 91.1 136.7#



#19
n-Nitroso-di-n-propylamine
Concen: 7.042 ng
RT: 9.32 min Scan# 1060
Delta R.T. 0.35 min
Lab File: BG040132.D
Acq: 26 Mar 2019 00:53

Tgt Ion: 70 Resp: 15304
Ion Ratio Lower Upper
70 100
42 50.9 60.4 90.6#
101 1.8 7.5 11.3#
130 5.3 16.9 25.3#

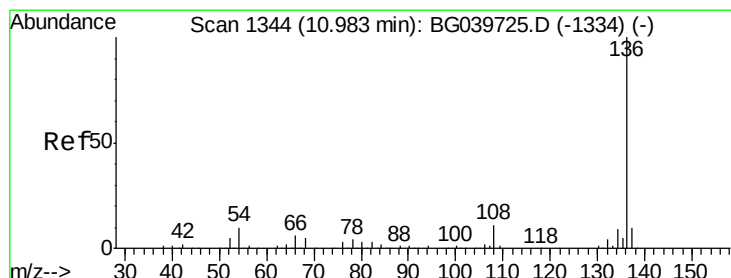
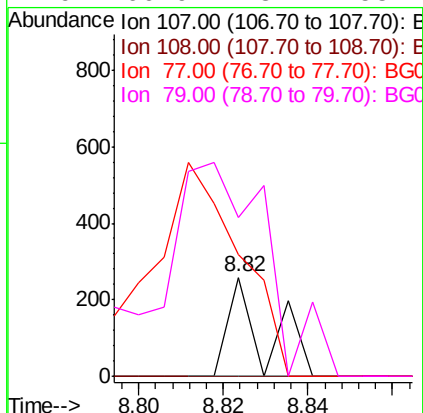
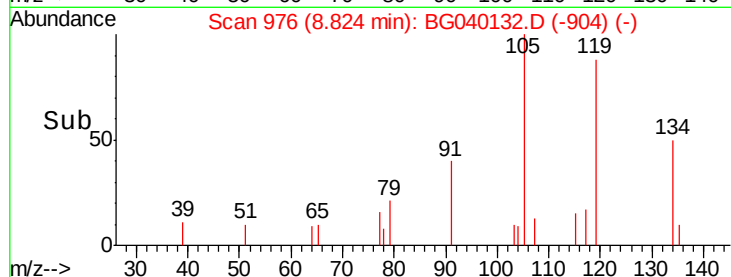
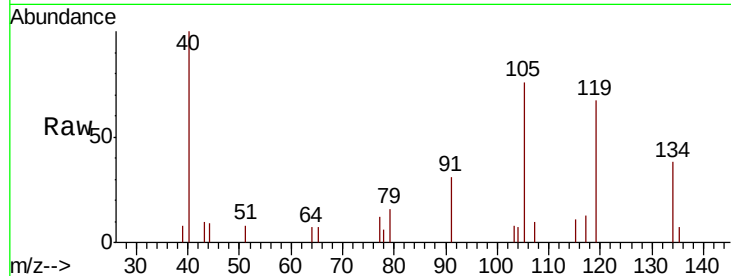




#20
3+4-Methylphenols
Concen: 0.056 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.10 min
Lab File: BG040132.D
Acq: 26 Mar 2019 00:53

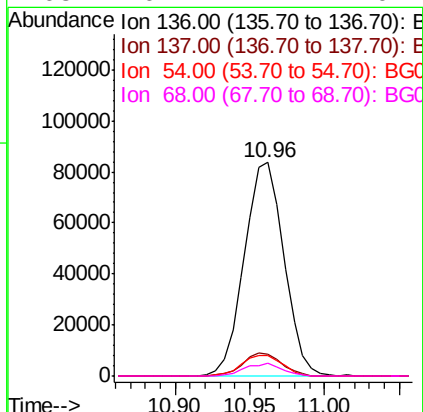
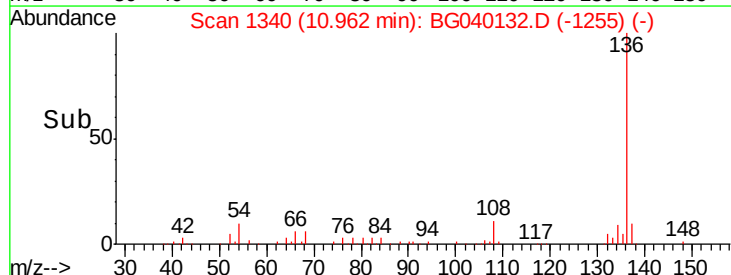
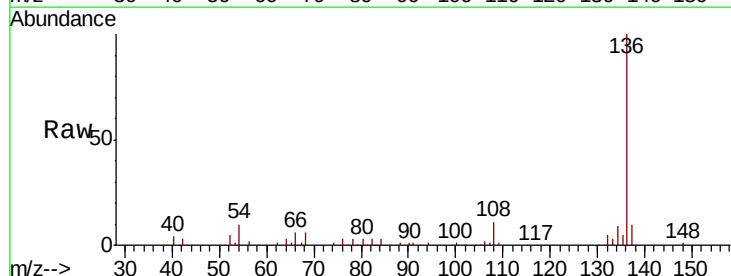
Instrument :
BNA_G
ClientSampleId :
MW-4

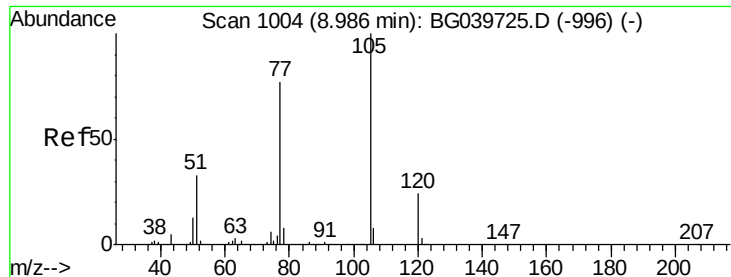
Tgt Ion:107 Resp: 161
Ion Ratio Lower Upper
107 100
108 0.0 67.9 107.9#
77 123.3 15.4 55.4#
79 160.9 13.7 53.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BG040132.D
Acq: 26 Mar 2019 00:53

Tgt Ion:136 Resp: 153411
Ion Ratio Lower Upper
136 100
137 10.4 9.1 13.7
54 9.7 9.4 14.2
68 6.2 4.2 6.4

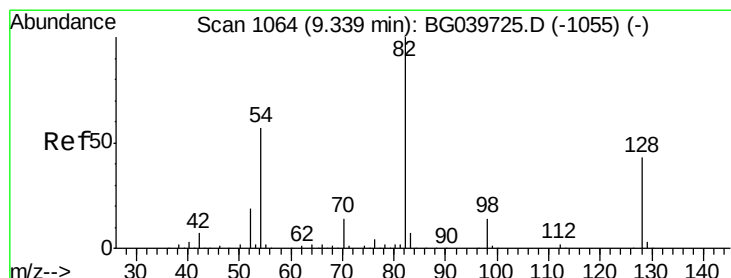
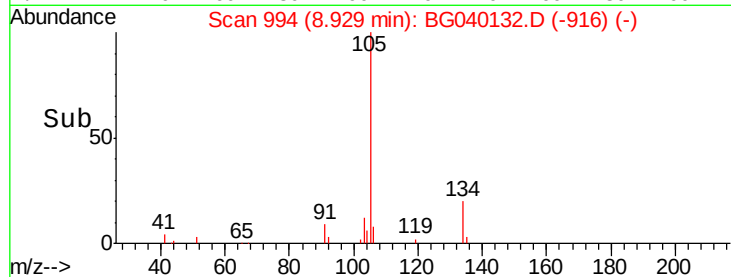
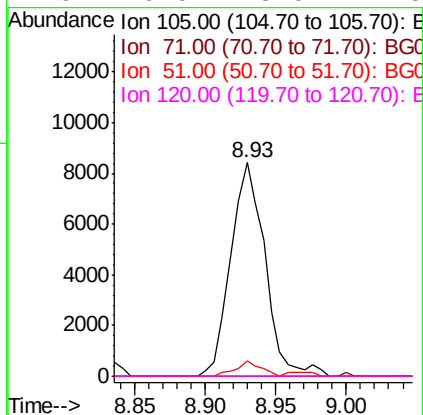
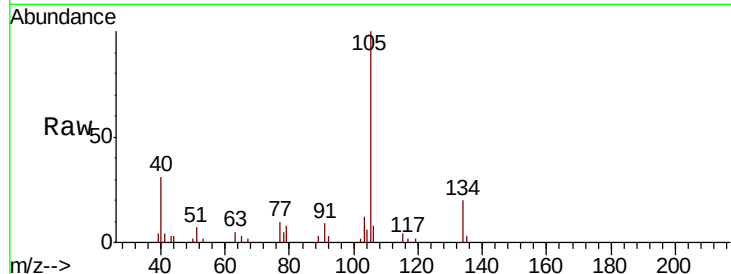




#22
Acetophenone
Concen: 3.475 ng
RT: 8.93 min Scan# 994
Delta R.T. -0.07 min
Lab File: BG040132.D
Acq: 26 Mar 2019 00:53

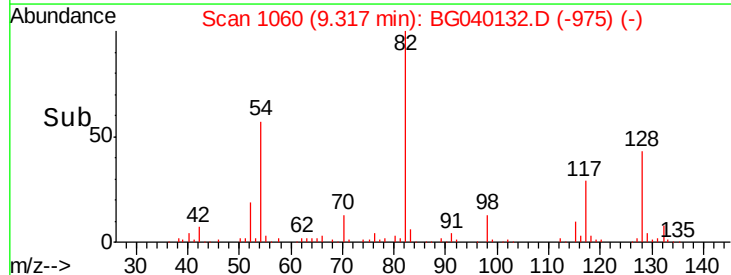
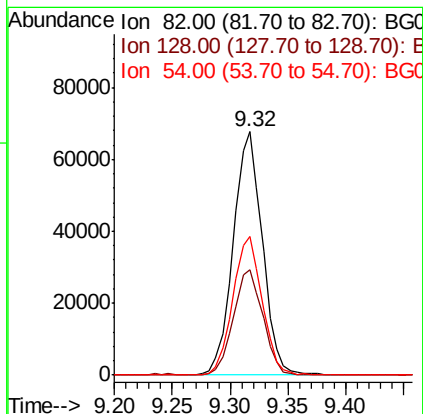
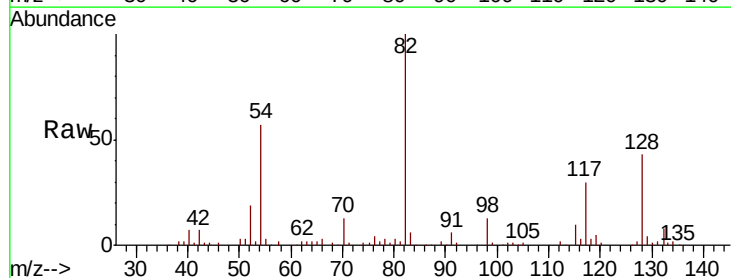
Instrument :
BNA_G
ClientSampleId :
MW-4

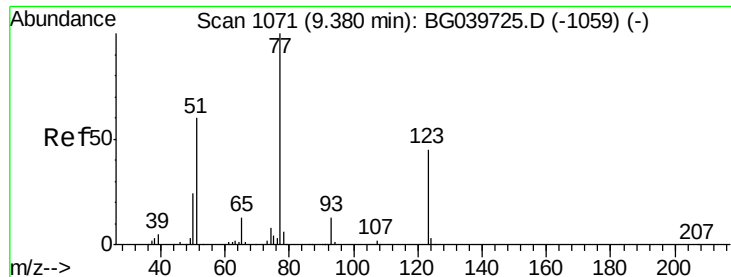
Tgt Ion: 105 Resp: 14310
Ion Ratio Lower Upper
105 100
71 0.0 0.8 1.2#
51 7.3 30.2 45.2#
120 0.0 18.0 27.0#



#23
Nitrobenzene-d5
Concen: 41.530 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.03 min
Lab File: BG040132.D
Acq: 26 Mar 2019 00:53

Tgt Ion: 82 Resp: 117800
Ion Ratio Lower Upper
82 100
128 43.4 31.3 46.9
54 56.7 50.9 76.3





#24

Nitrobenzene

Concen: 0.858 ng

RT: 9.32 min Scan# 1061

Delta R.T. -0.06 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

Instrument :

BNA_G

ClientSampleId :

MW-4

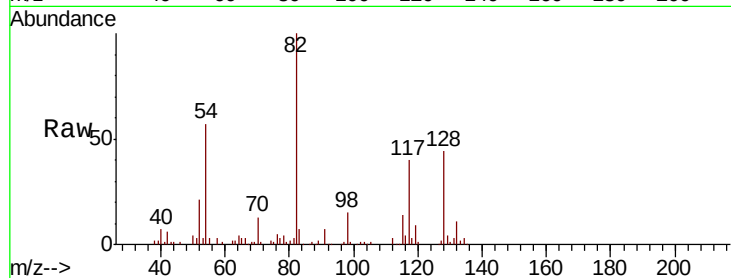
Tgt Ion: 77 Resp: 2552

Ion Ratio Lower Upper

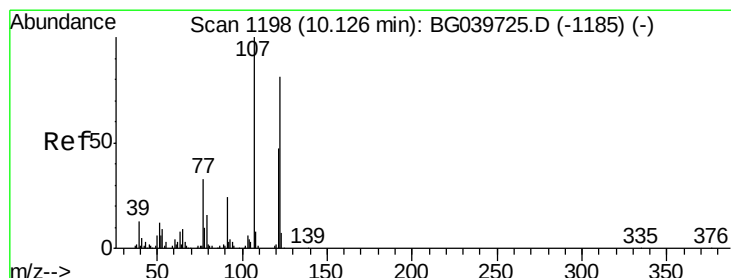
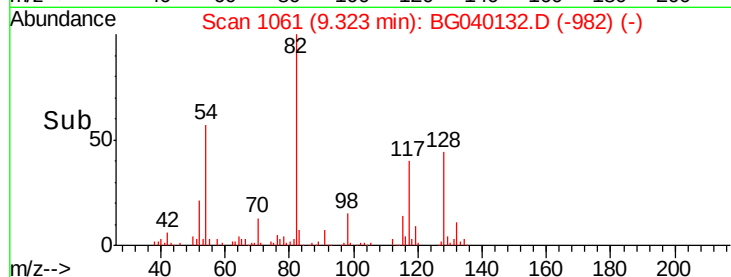
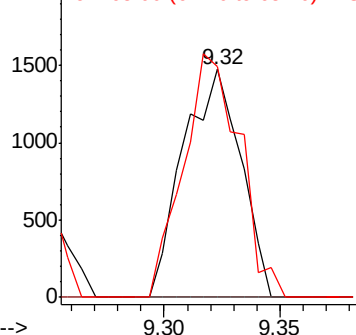
77 100

123 0.0 34.1 51.1#

65 101.4 12.3 18.5#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#27

2,4-Dimethylphenol

Concen: 0.831 ng

RT: 10.15 min Scan# 1201

Delta R.T. 0.01 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

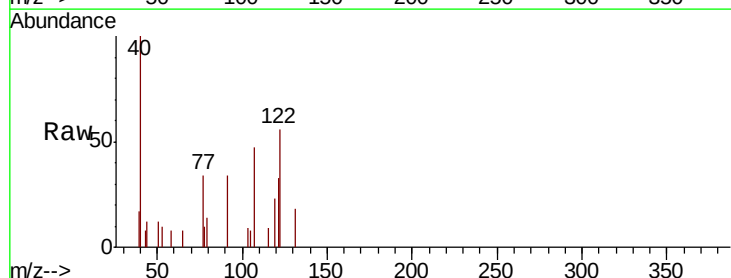
Tgt Ion: 122 Resp: 1856

Ion Ratio Lower Upper

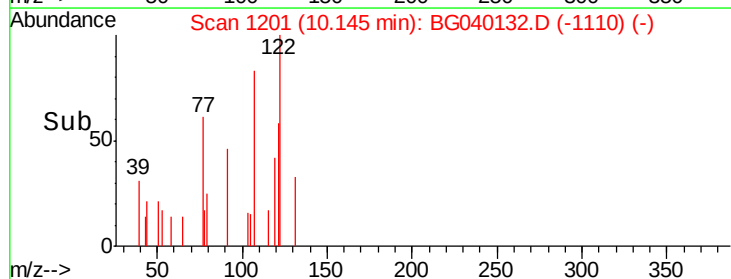
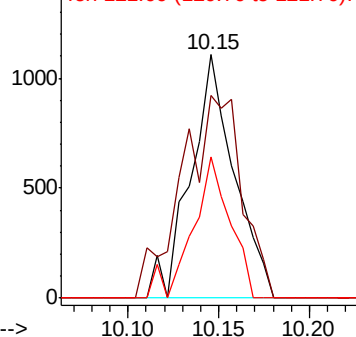
122 100

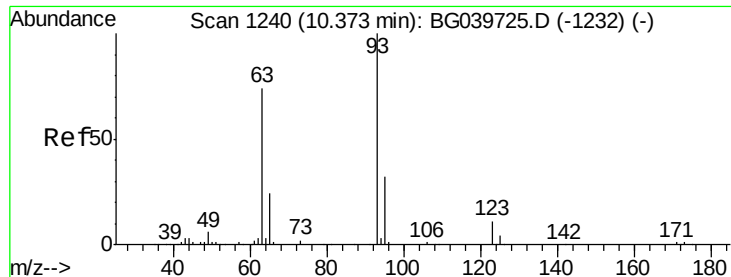
107 83.3 91.7 137.5#

121 58.3 46.4 69.6



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 107.00 (106.70 to 107.70): BGC
Ion 121.00 (120.70 to 121.70): BGC

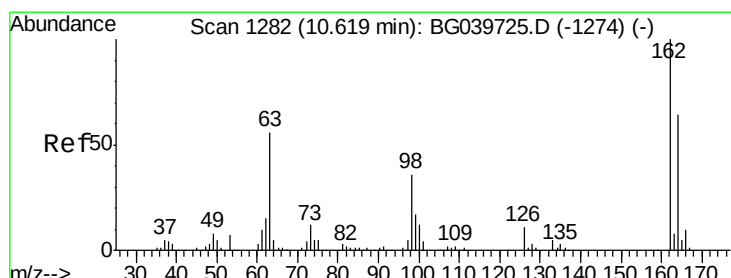
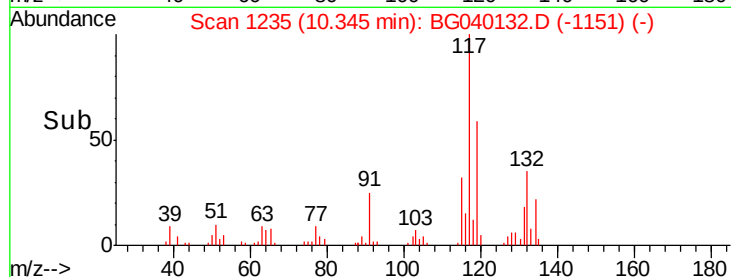
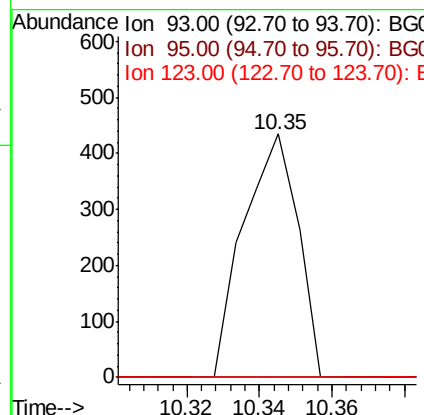
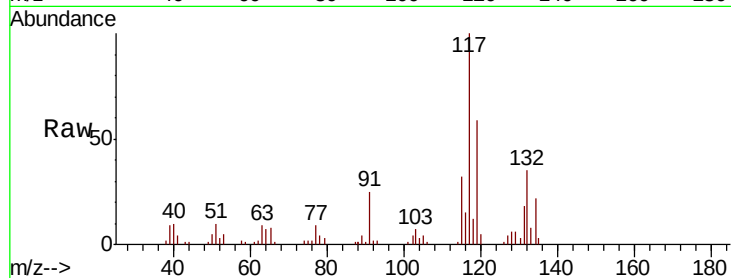




#28
bis(2-Chloroethoxy)methane
Concen: 0.125 ng
RT: 10.35 min Scan# 1235
Delta R.T. -0.03 min
Lab File: BG040132.D
Acq: 26 Mar 2019 00:53

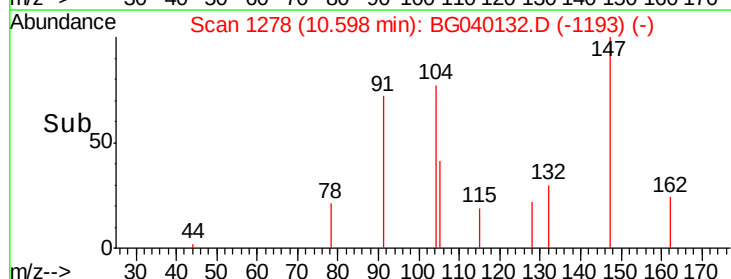
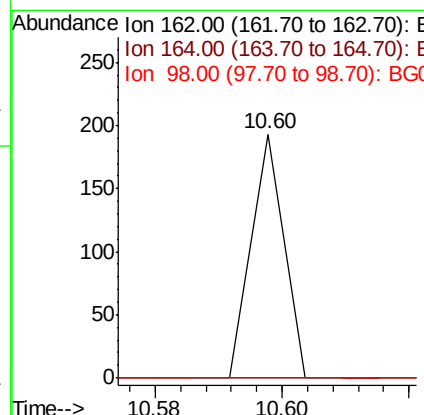
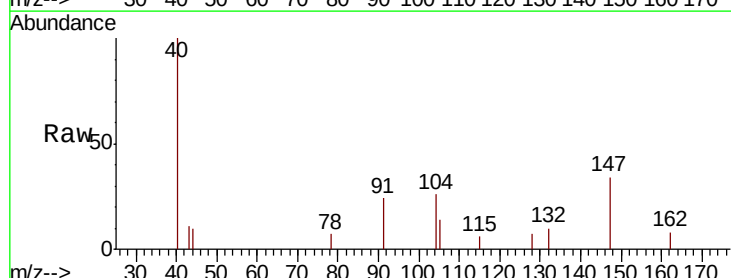
Instrument :
BNA_G
ClientSampleId :
MW-4

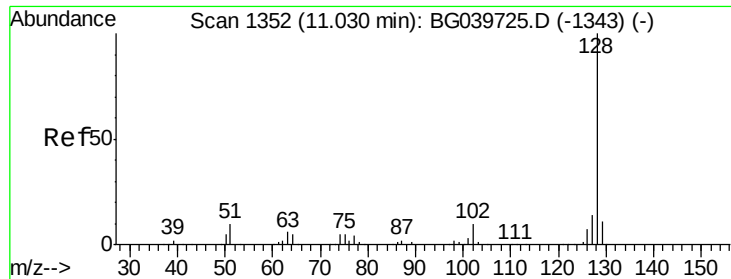
Tgt Ion: 93 Resp: 450
Ion Ratio Lower Upper
93 100
95 0.0 25.0 37.4#
123 0.0 8.6 12.8#



#29
2,4-Dichlorophenol
Concen: 0.027 ng
RT: 10.60 min Scan# 1278
Delta R.T. -0.03 min
Lab File: BG040132.D
Acq: 26 Mar 2019 00:53

Tgt Ion: 162 Resp: 68
Ion Ratio Lower Upper
162 100
164 0.0 48.1 88.1#
98 0.0 18.1 58.1#

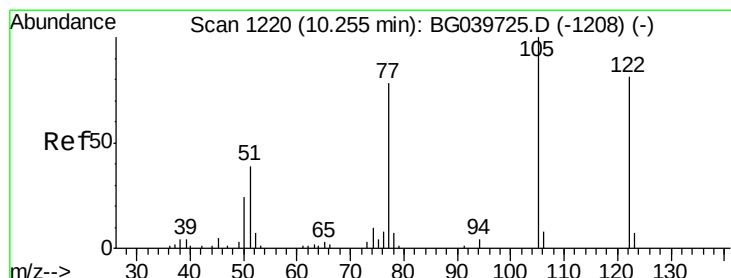
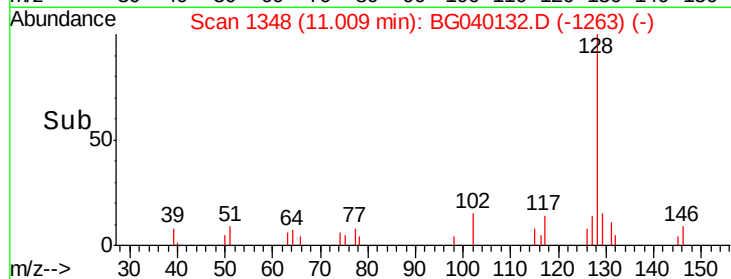
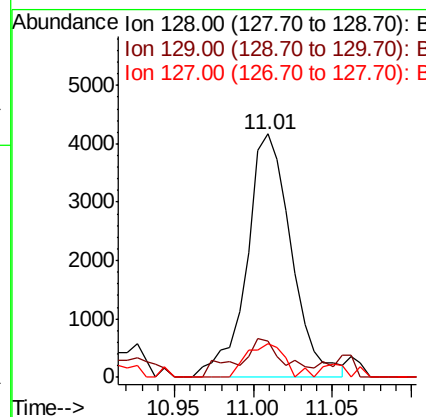
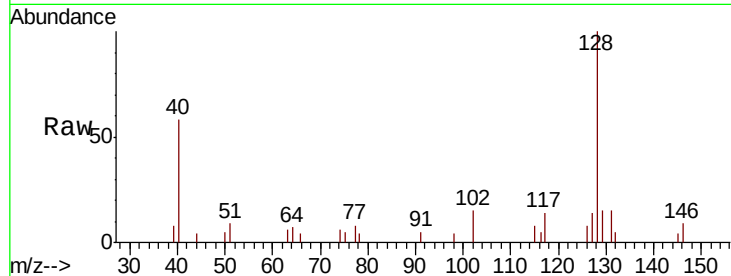




#31
Naphthalene
Concen: 1.005 ng
RT: 11.01 min Scan# 1348
Delta R.T. -0.03 min
Lab File: BG040132.D
Acq: 26 Mar 2019 00:53

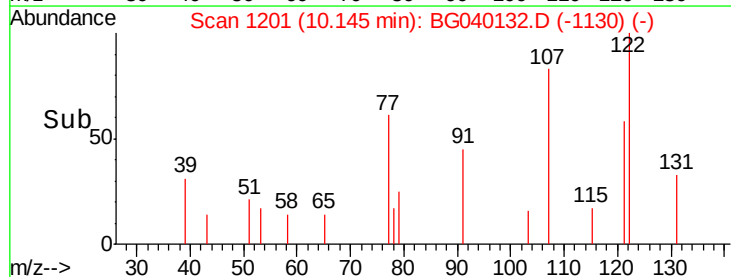
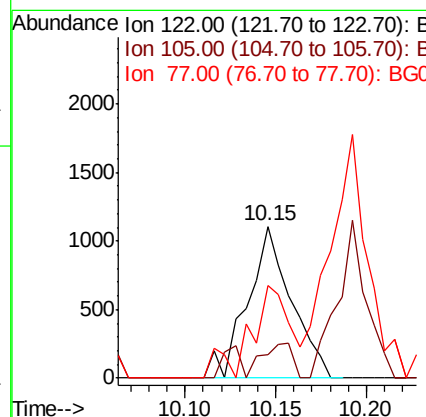
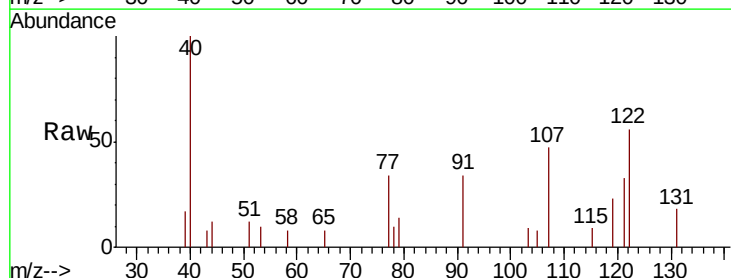
Instrument :
BNA_G
ClientSampled :
MW-4

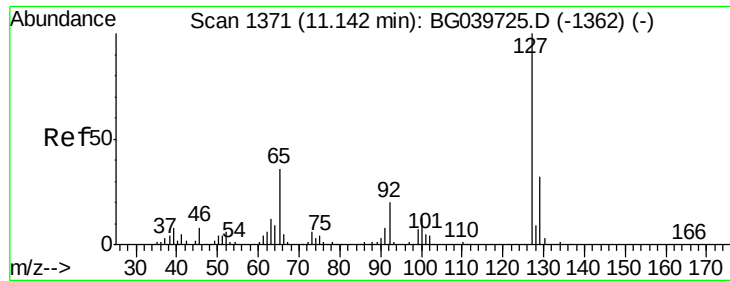
Tgt Ion:128 Resp: 8162
Ion Ratio Lower Upper
128 100
129 14.7 8.7 13.1#
127 14.0 10.8 16.2



#32
Benzoic acid
Concen: 7.642 ng
RT: 10.15 min Scan# 1201
Delta R.T. -0.12 min
Lab File: BG040132.D
Acq: 26 Mar 2019 00:53

Tgt Ion:122 Resp: 1856
Ion Ratio Lower Upper
122 100
105 15.1 101.8 141.8#
77 60.8 76.3 116.3#

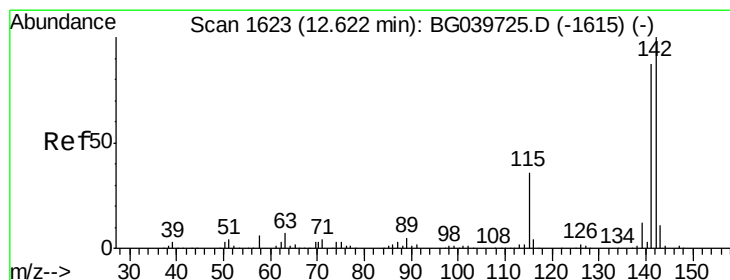
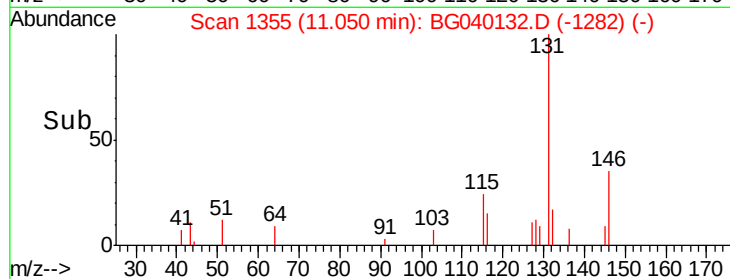
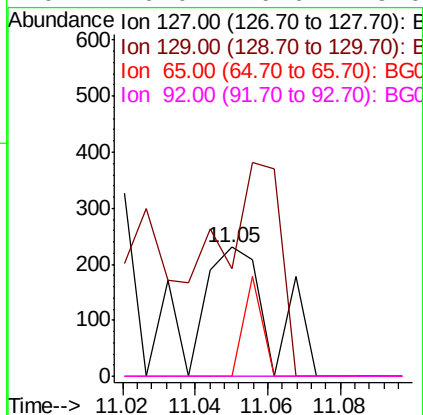
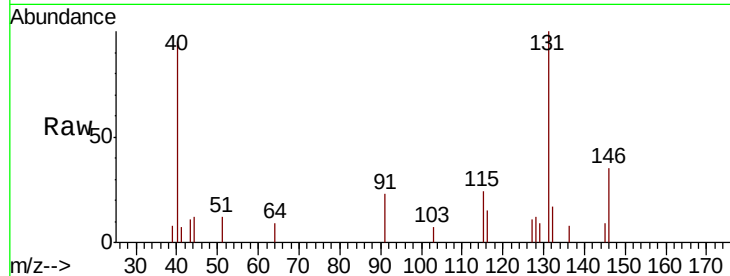




#33
4-Chloroaniline
Concen: 0.082 ng
RT: 11.05 min Scan# 1355
Delta R.T. -0.10 min
Lab File: BG040132.D
Acq: 26 Mar 2019 00:53

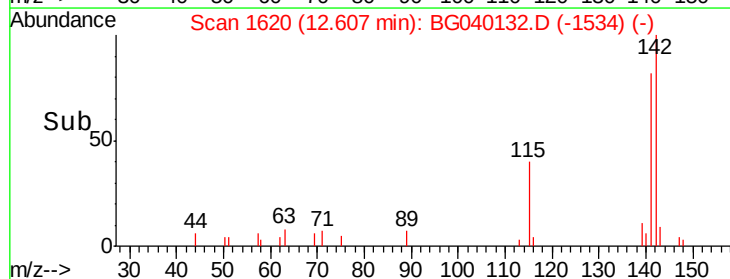
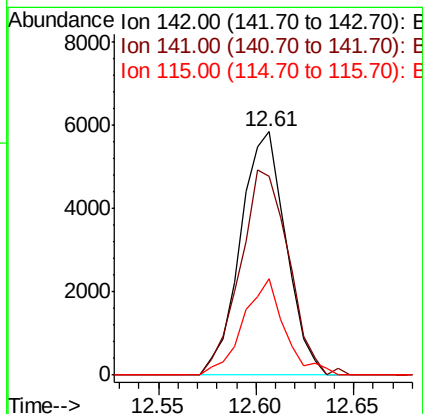
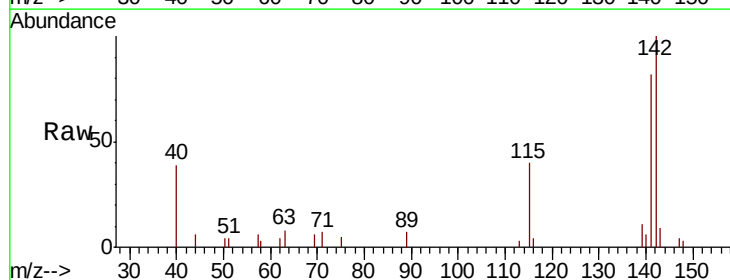
Instrument :
BNA_G
ClientSampled :
MW-4

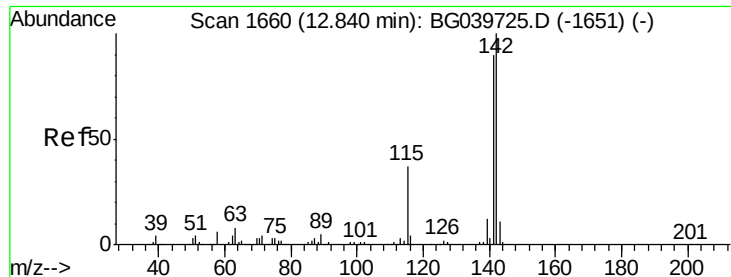
Tgt Ion:	127	Resp:	284
Ion	Ratio	Lower	Upper
127	100		
129	83.9	27.0	40.4#
65	0.0	28.8	43.2#
92	0.0	16.6	25.0#



#37
2-Methylnaphthalene
Concen: 1.561 ng
RT: 12.61 min Scan# 1620
Delta R.T. -0.02 min
Lab File: BG040132.D
Acq: 26 Mar 2019 00:53

Tgt Ion:	142	Resp:	9477
Ion	Ratio	Lower	Upper
142	100		
141	81.9	73.5	110.3
115	39.7	30.8	46.2

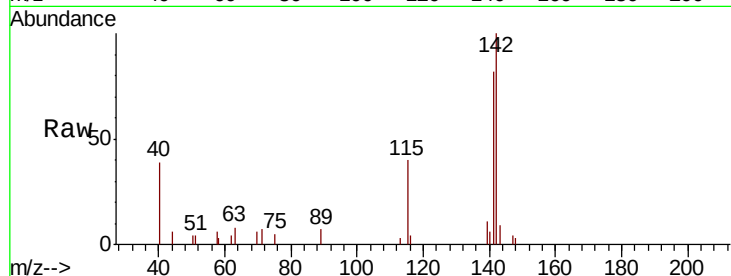




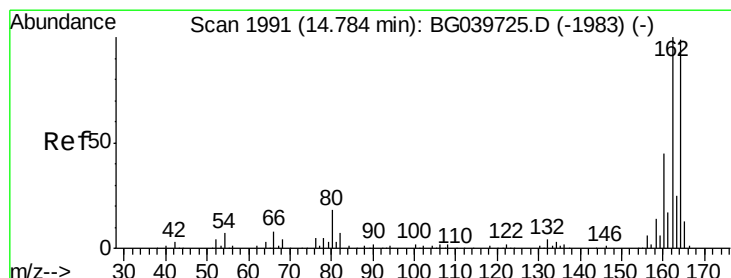
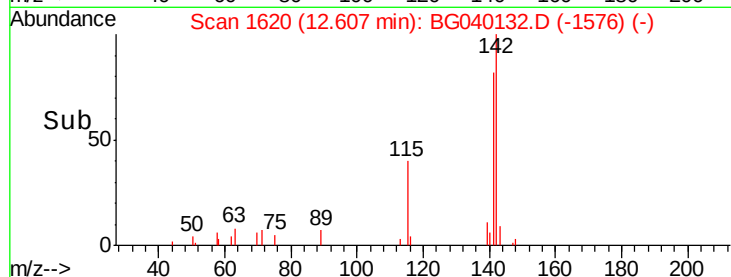
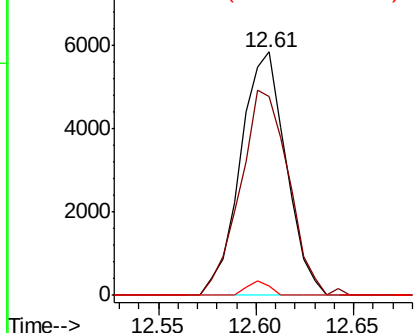
#38
1-Methylnaphthalene
Concen: 1.606 ng
RT: 12.61 min Scan# 1620
Delta R.T. -0.24 min
Lab File: BG040132.D
Acq: 26 Mar 2019 00:53

Instrument :
BNA_G
ClientSampleId :
MW-4

Tgt Ion:142 Resp: 9477
Ion Ratio Lower Upper
142 100
141 81.9 74.2 111.4
116 4.1 3.0 4.6

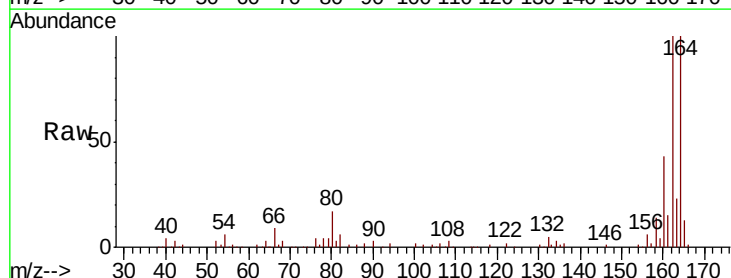


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

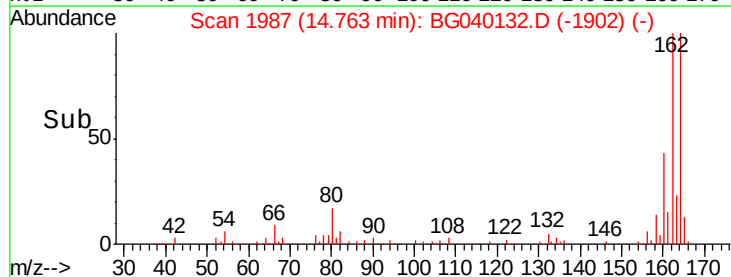
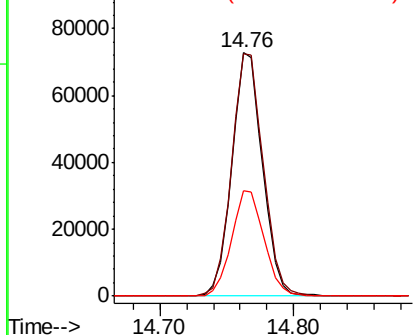


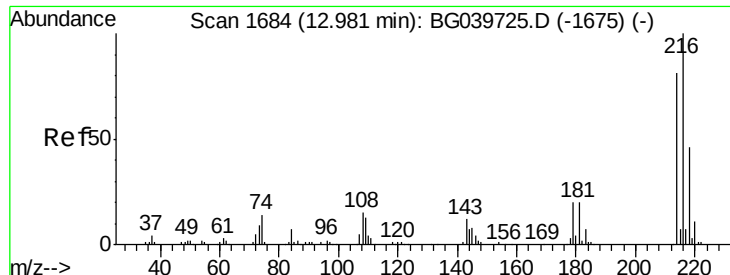
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.76 min Scan# 1987
Delta R.T. -0.03 min
Lab File: BG040132.D
Acq: 26 Mar 2019 00:53

Tgt Ion:164 Resp: 115854
Ion Ratio Lower Upper
164 100
162 99.7 81.6 122.4
160 43.3 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

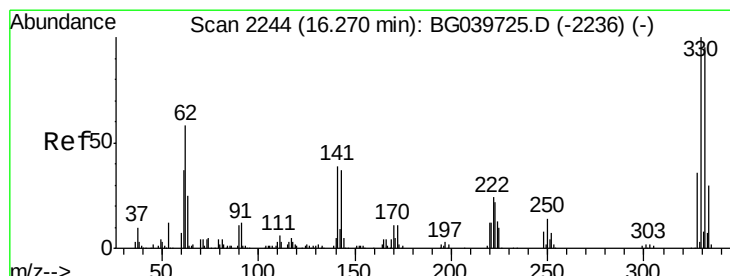
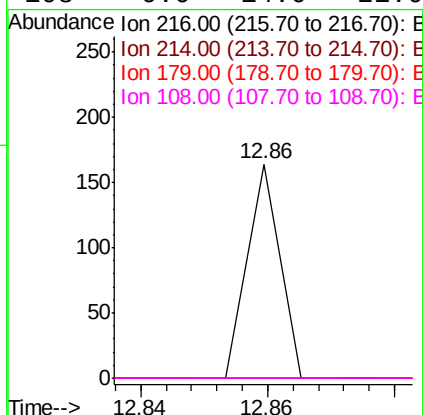
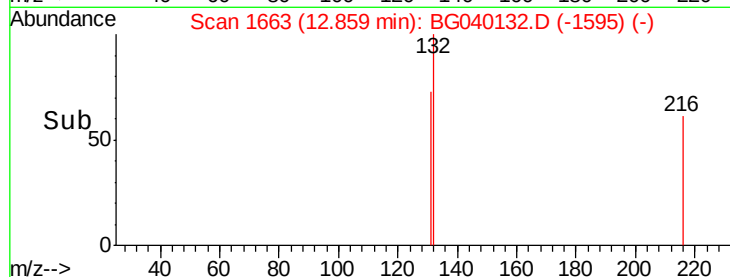
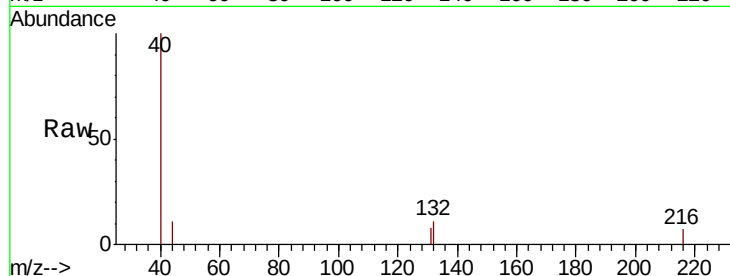




#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 0.015 ng
 RT: 12.86 min Scan# 1663
 Delta R.T. -0.13 min
 Lab File: BG040132.D
 Acq: 26 Mar 2019 00:53

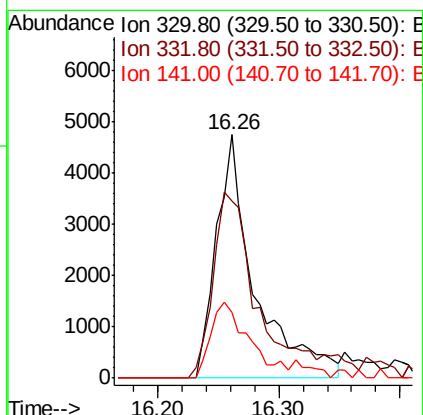
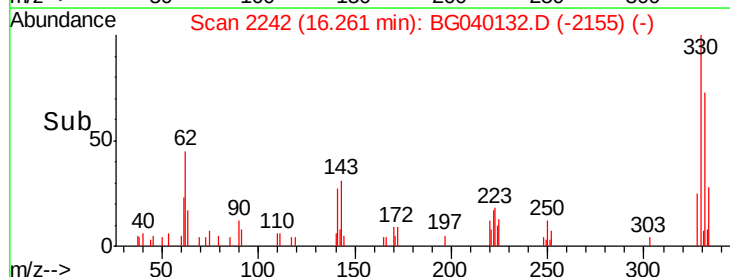
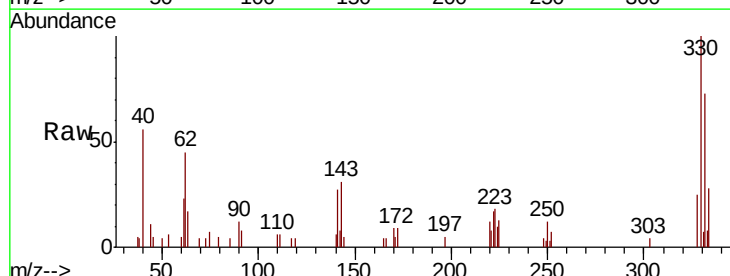
Instrument :
 BNA_G
 ClientSampleID :
 MW-4

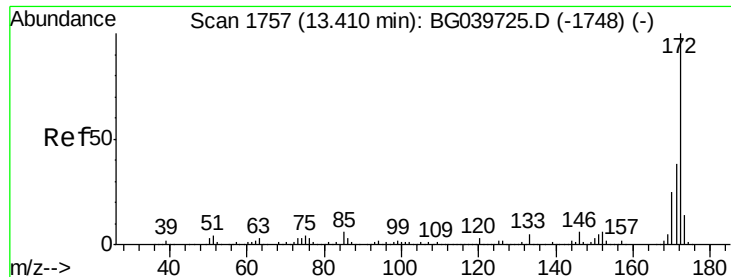
Tgt Ion: 216 Resp: 58
 Ion Ratio Lower Upper
 216 100
 214 0.0 62.6 94.0#
 179 0.0 16.6 25.0#
 108 0.0 14.0 21.0#



#42
 2,4,6-Tribromophenol
 Concen: 7.765 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.02 min
 Lab File: BG040132.D
 Acq: 26 Mar 2019 00:53

Tgt Ion: 330 Resp: 10485
 Ion Ratio Lower Upper
 330 100
 332 85.3 75.7 113.5
 141 29.2 35.6 53.4#

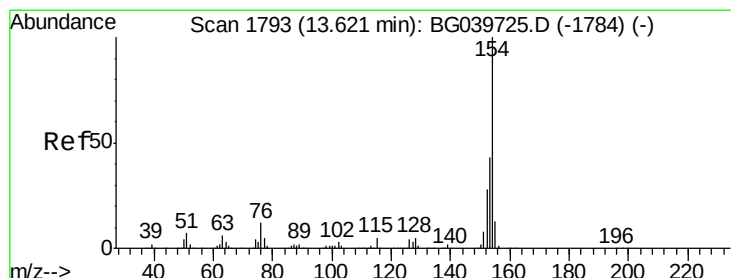
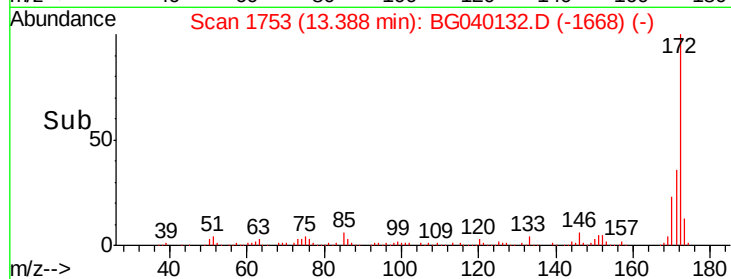
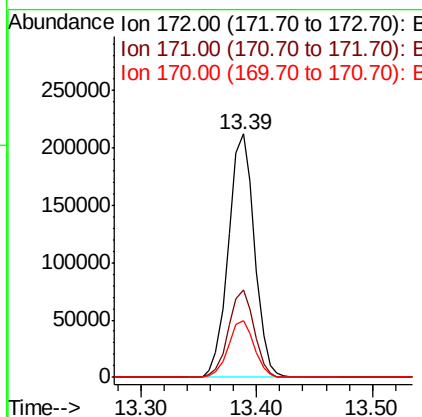
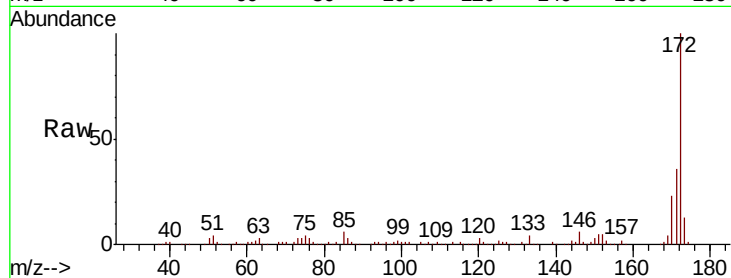




#45
 2-Fluorobiphenyl
 Concen: 40.532 ng
 RT: 13.39 min Scan# 1753
 Delta R.T. -0.03 min
 Lab File: BG040132.D
 Acq: 26 Mar 2019 00:53

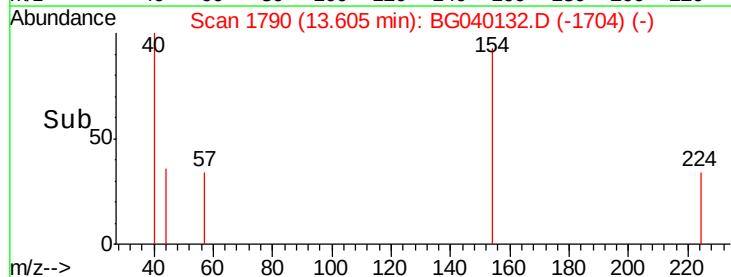
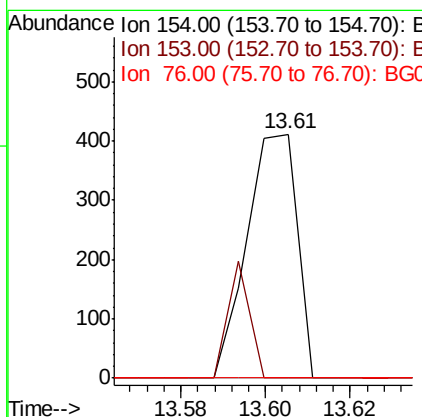
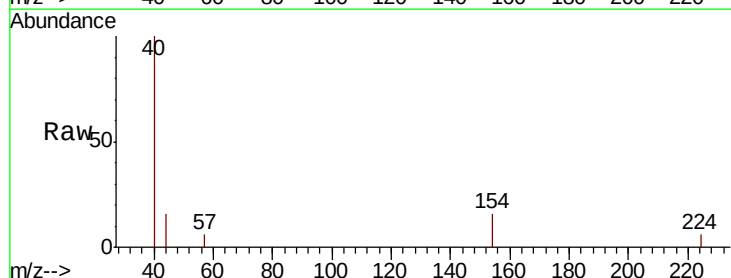
Instrument :
 BNA_G
 ClientSampleId :
 MW-4

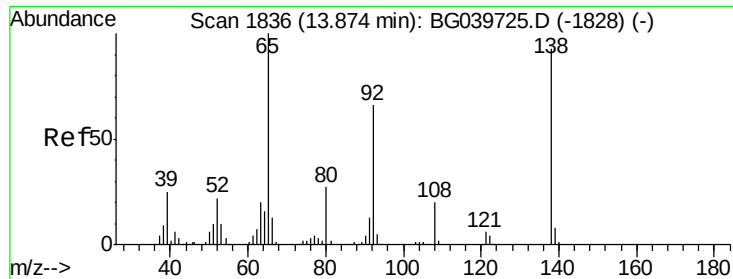
Tgt Ion:172 Resp: 329800
 Ion Ratio Lower Upper
 172 100
 171 36.1 30.8 46.2
 170 23.4 20.2 30.4



#46
 1,1'-Biphenyl
 Concen: 0.036 ng
 RT: 13.61 min Scan# 1790
 Delta R.T. -0.02 min
 Lab File: BG040132.D
 Acq: 26 Mar 2019 00:53

Tgt Ion:154 Resp: 341
 Ion Ratio Lower Upper
 154 100
 153 0.0 22.1 62.1#
 76 0.0 0.0 32.4





#48

2-Nitroaniline

Concen: 0.146 ng

RT: 13.38 min Scan# 1752

Delta R.T. -0.50 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

Instrument :

BNA_G

ClientSampleId :

MW-4

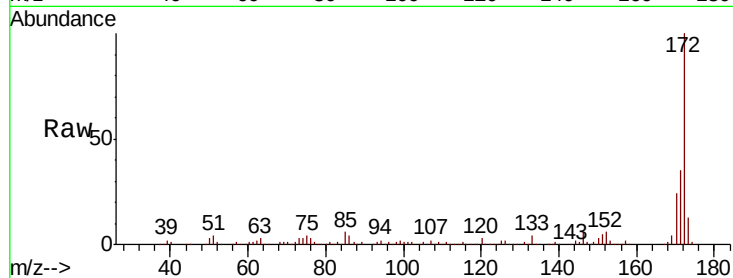
Tgt Ion: 65 Resp: 336

Ion Ratio Lower Upper

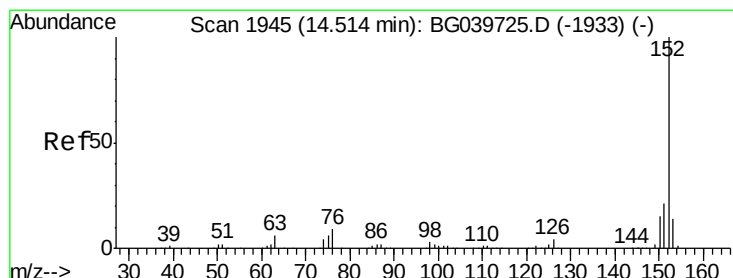
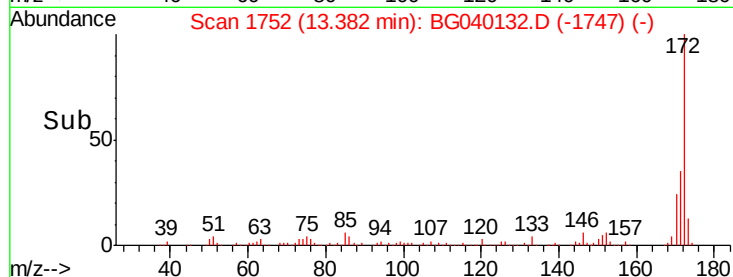
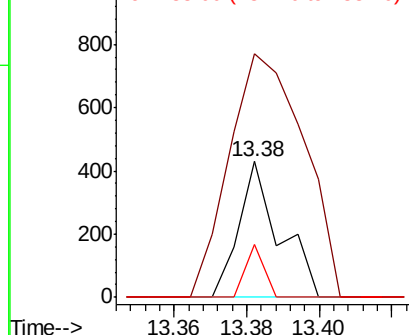
65 100

92 179.5 51.4 77.2#

138 38.7 71.4 107.2#



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



#49

Acenaphthylene

Concen: 0.011 ng

RT: 14.08 min Scan# 1871

Delta R.T. -0.44 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

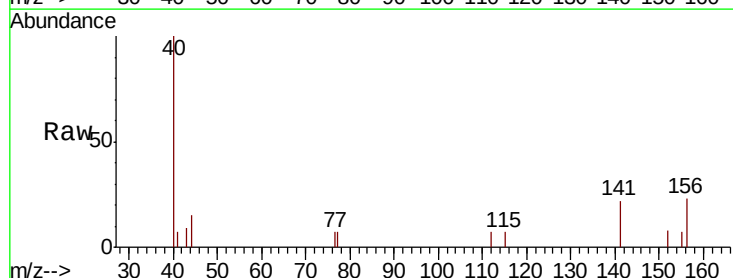
Tgt Ion: 152 Resp: 124

Ion Ratio Lower Upper

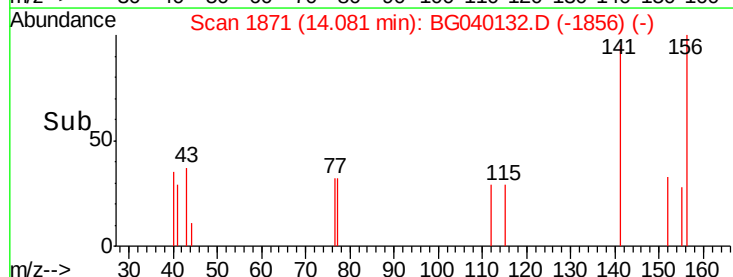
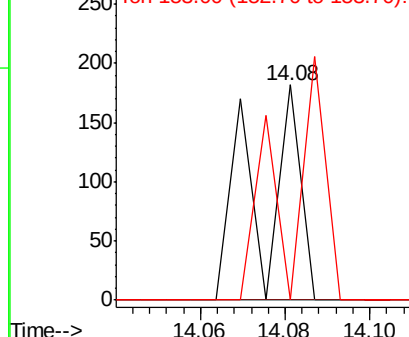
152 100

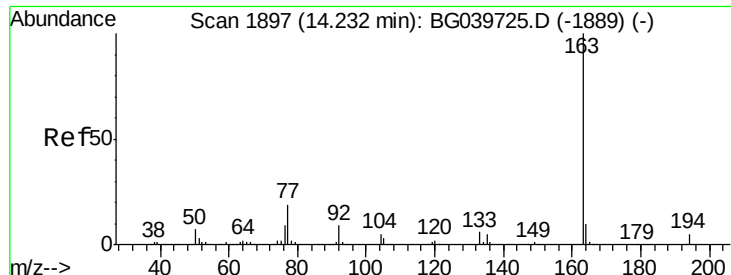
151 0.0 16.8 25.2#

153 0.0 11.7 17.5#



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





#50

Dimethylphthalate

Concen: 0.436 ng

RT: 14.21 min Scan# 1893

Delta R.T. -0.03 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

Instrument :

BNA_G

ClientSampleId :

MW-4

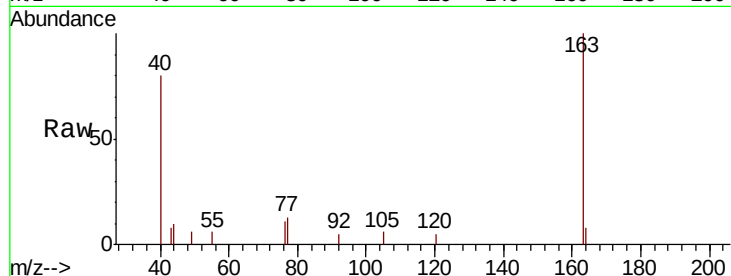
Tgt Ion:163 Resp: 4222

Ion Ratio Lower Upper

163 100

194 0.0 3.6 5.4#

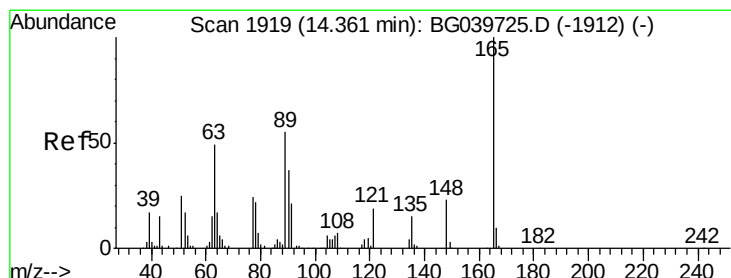
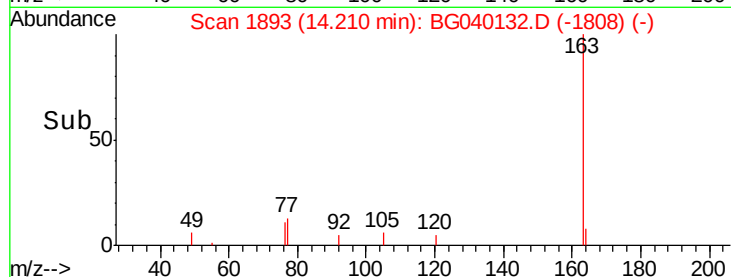
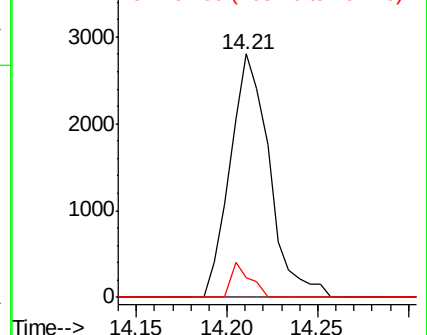
164 7.8 8.4 12.6#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 7.344 ng

RT: 14.76 min Scan# 1987

Delta R.T. 0.39 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

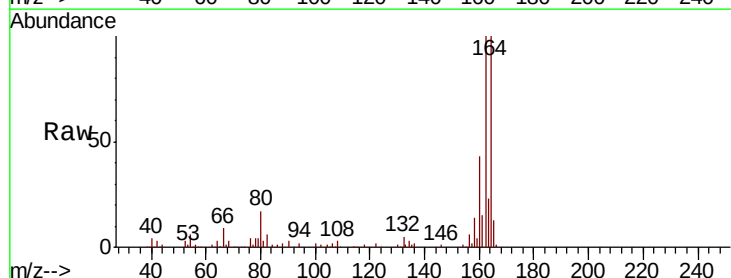
Tgt Ion:165 Resp: 15082

Ion Ratio Lower Upper

165 100

63 1.9 47.0 70.6#

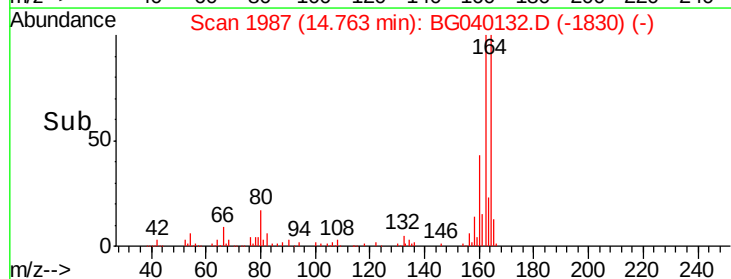
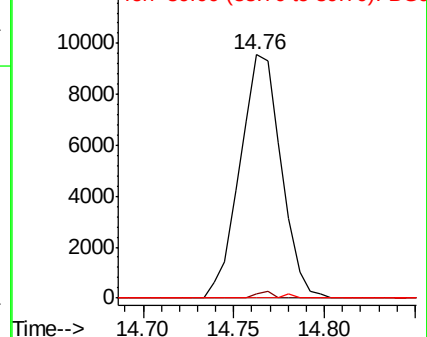
89 0.0 45.8 68.8#

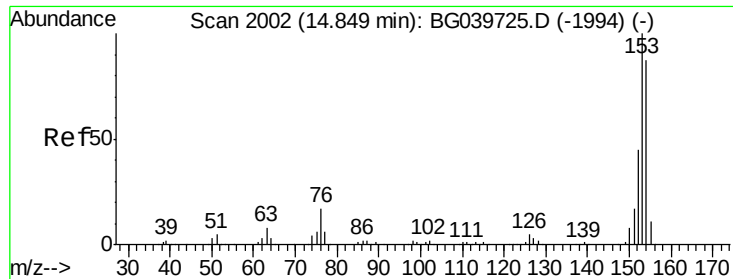


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

Acenaphthene

Concen: 0.011 ng

RT: 14.84 min Scan# 2000

Delta R.T. -0.02 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

Instrument :

BNA_G

ClientSampleId :

MW-4

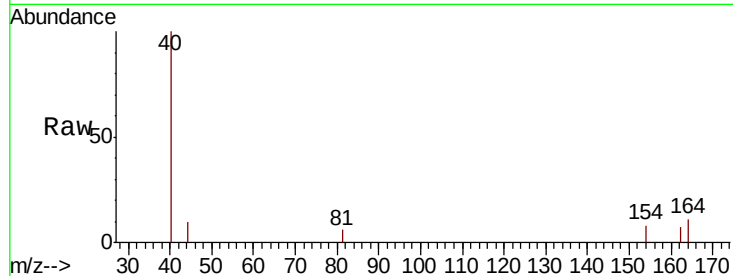
Tgt Ion:154 Resp: 76

Ion Ratio Lower Upper

154 100

153 0.0 90.1 135.1#

152 0.0 40.9 61.3#

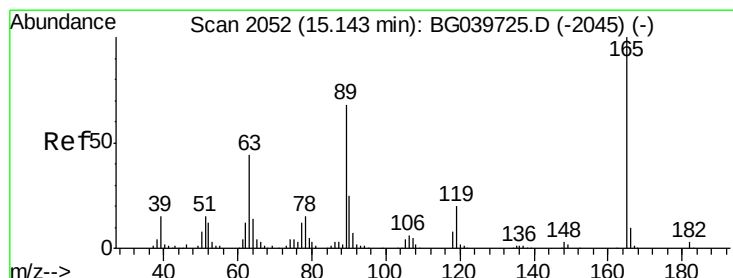
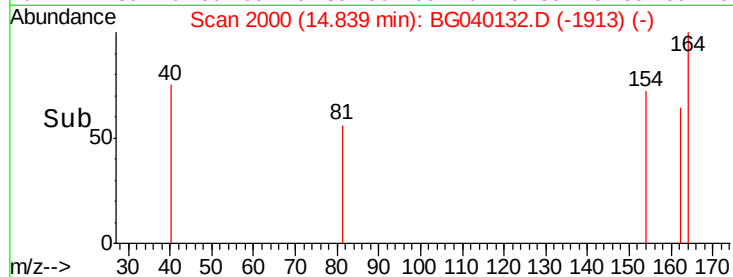
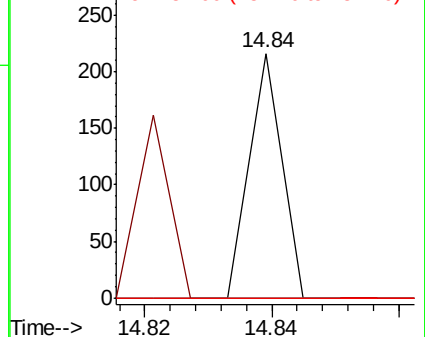


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

2,4-Dinitrotoluene

Concen: 5.226 ng

RT: 14.76 min Scan# 1987

Delta R.T. -0.39 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

Tgt Ion:165 Resp: 15082

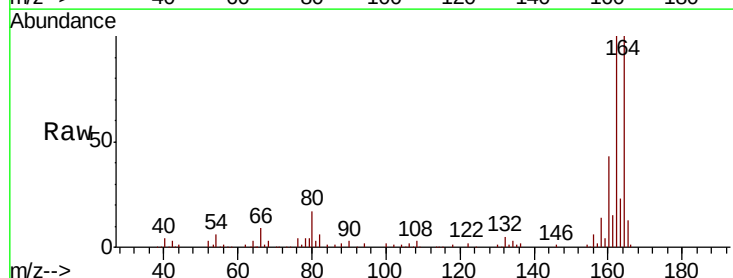
Ion Ratio Lower Upper

165 100

63 1.9 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#



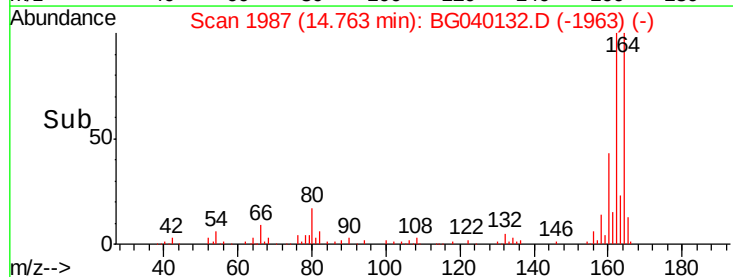
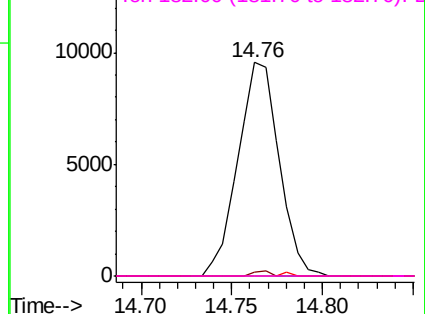
Abundance

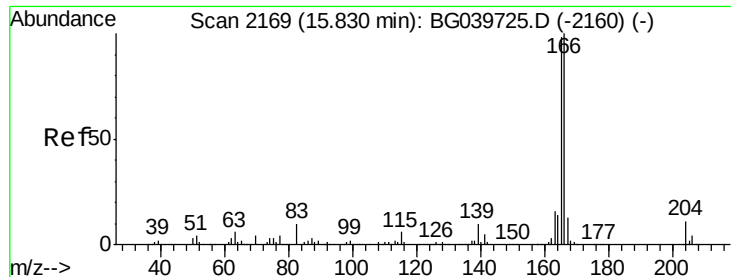
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 0.034 ng

RT: 15.82 min Scan# 2167

Delta R.T. -0.02 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

Instrument :

BNA_G

ClientSampleId :

MW-4

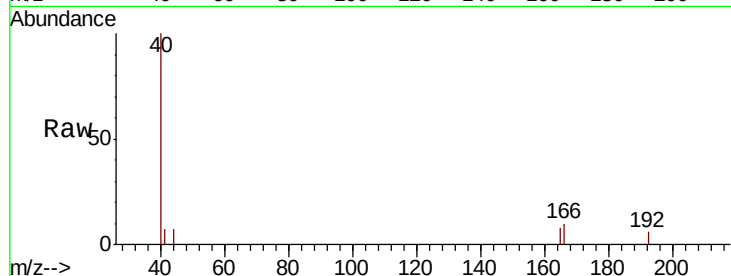
Tgt Ion:166 Resp: 309

Ion Ratio Lower Upper

166 100

165 83.4 77.9 116.9

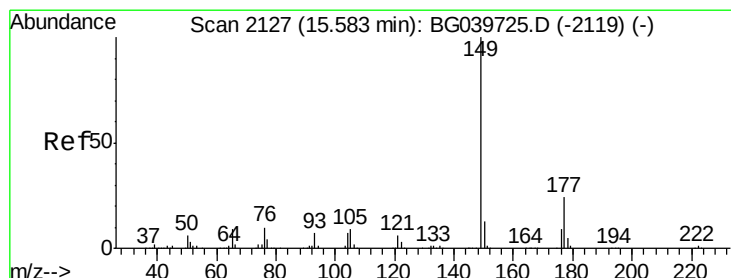
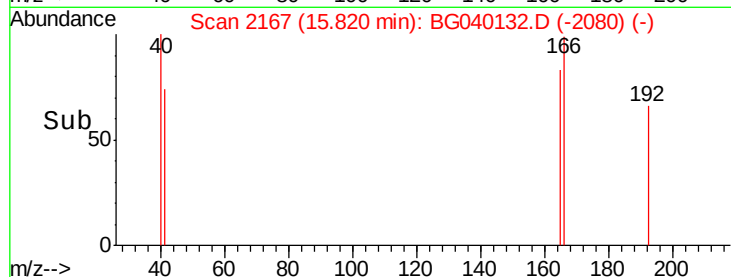
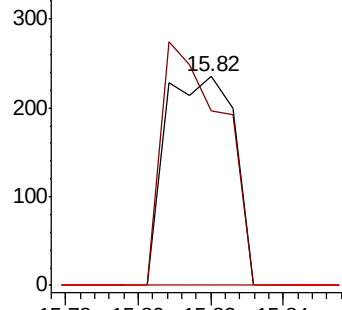
167 0.0 10.8 16.2#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#60

Diethylphthalate

Concen: 0.015 ng

RT: 15.56 min Scan# 2122

Delta R.T. -0.03 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

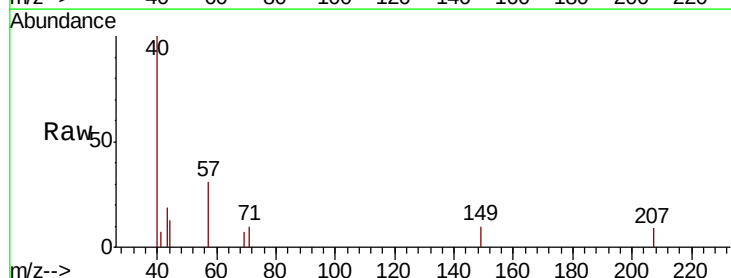
Tgt Ion:149 Resp: 145

Ion Ratio Lower Upper

149 100

177 0.0 18.3 27.5#

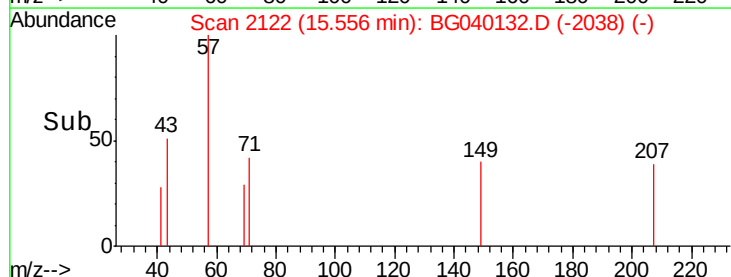
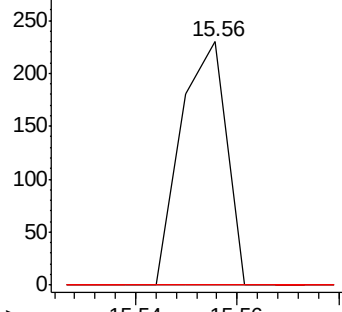
150 0.0 10.2 15.2#

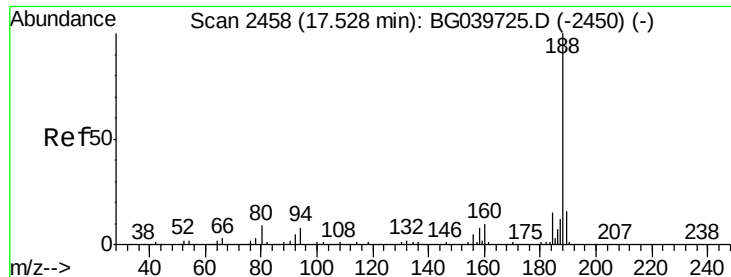


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

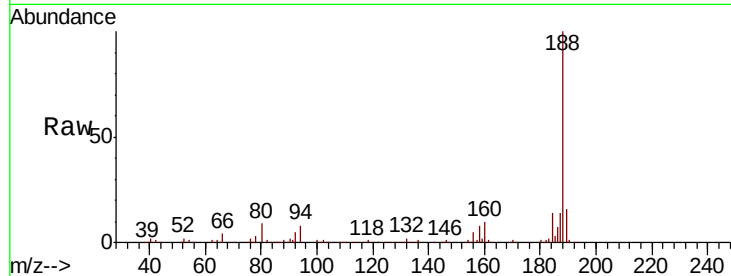




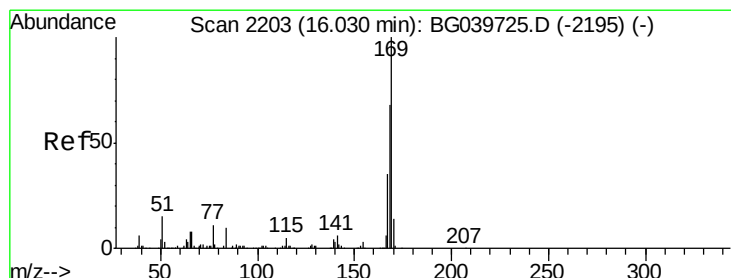
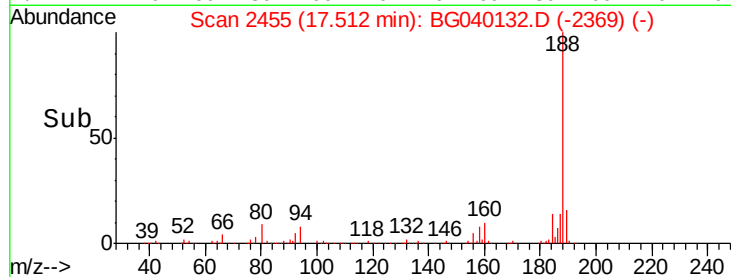
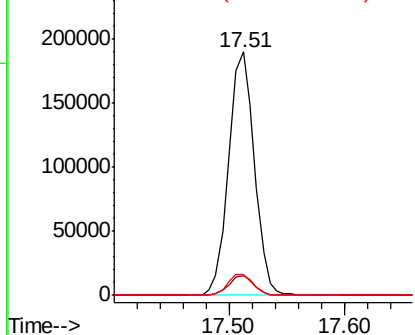
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.51 min Scan# 2455
Delta R.T. -0.02 min
Lab File: BG040132.D
Acq: 26 Mar 2019 00:53

Instrument :
BNA_G
ClientSampleId :
MW-4

Tgt Ion:188 Resp: 294162
Ion Ratio Lower Upper
188 100
94 7.8 6.9 10.3
80 8.6 8.1 12.1

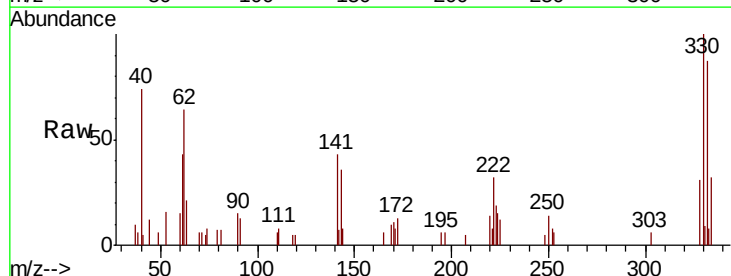


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

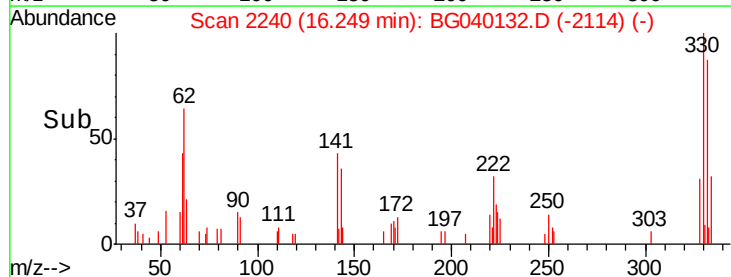
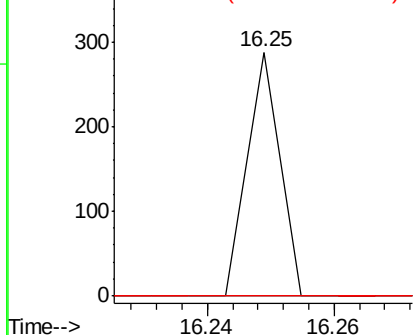


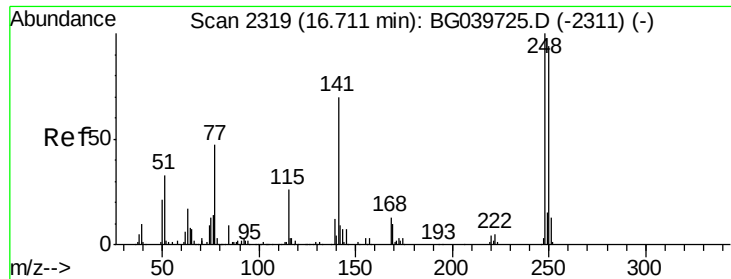
#66
n-Nitrosodiphenylamine
Concen: 0.012 ng
RT: 16.25 min Scan# 2240
Delta R.T. 0.21 min
Lab File: BG040132.D
Acq: 26 Mar 2019 00:53

Tgt Ion:169 Resp: 102
Ion Ratio Lower Upper
169 100
168 0.0 56.6 85.0#
167 0.0 28.8 43.2#



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





#67

4-Bromophenyl-phenylether

Concen: 0.103 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.45 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

Instrument :

BNA_G

ClientSampleId :

MW-4

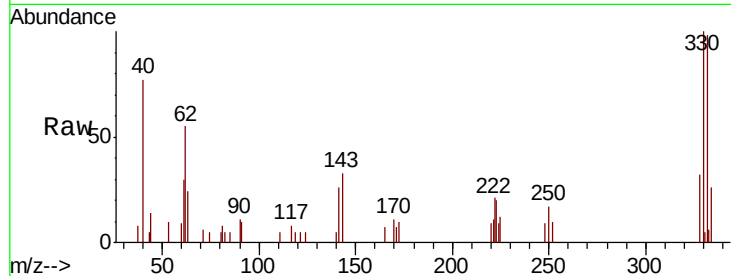
Tgt Ion:248 Resp: 339

Ion Ratio Lower Upper

248 100

250 176.4 77.6 116.4#

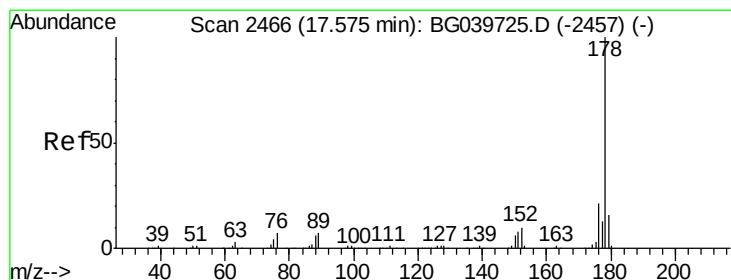
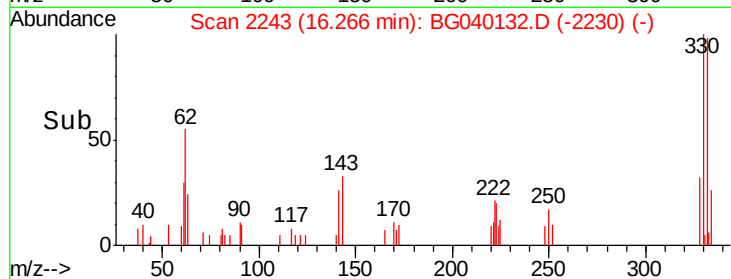
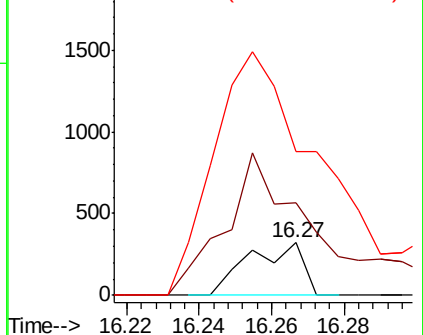
141 273.9 63.9 95.9#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71

Phenanthrene

Concen: 0.010 ng

RT: 17.55 min Scan# 2461

Delta R.T. -0.03 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

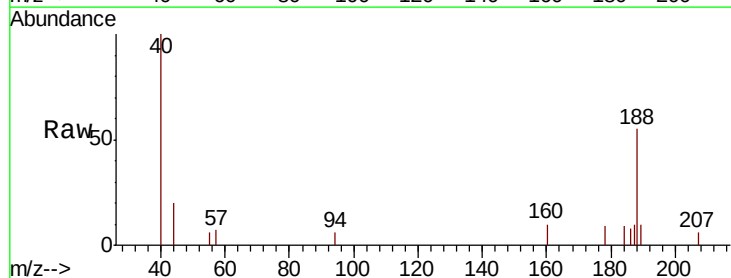
Tgt Ion:178 Resp: 158

Ion Ratio Lower Upper

178 100

176 0.0 16.2 24.4#

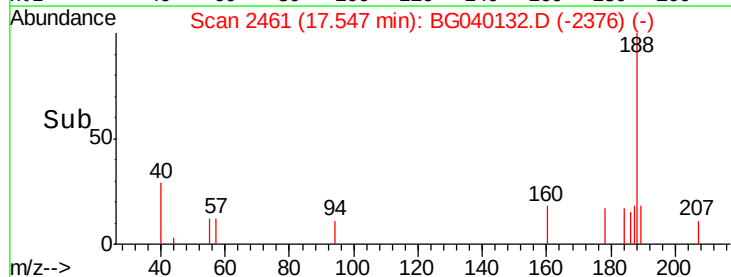
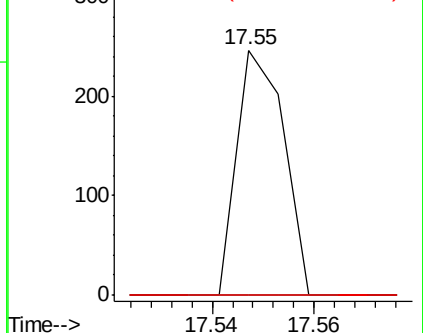
179 0.0 12.6 19.0#

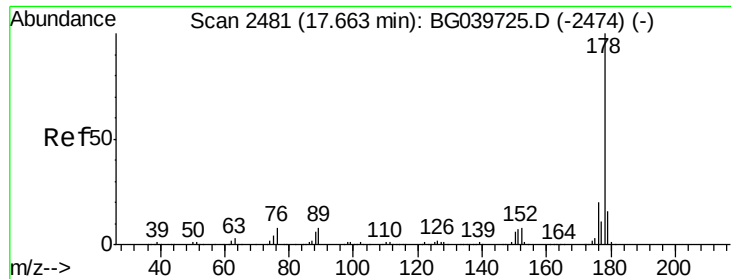


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 0.003 ng

RT: 17.64 min Scan# 2477

Delta R.T. -0.03 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

Instrument :

BNA_G

ClientSampleId :

MW-4

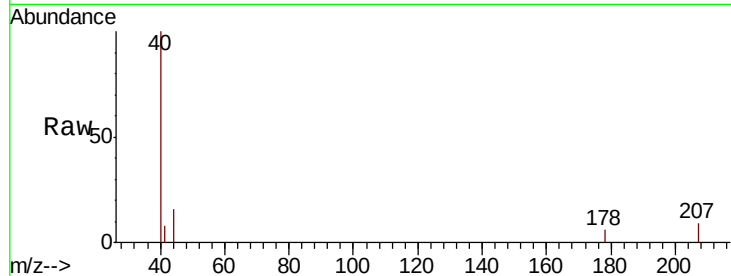
Tgt Ion:178 Resp: 55

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.6#

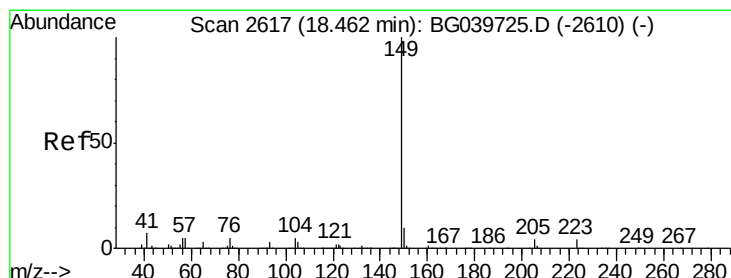
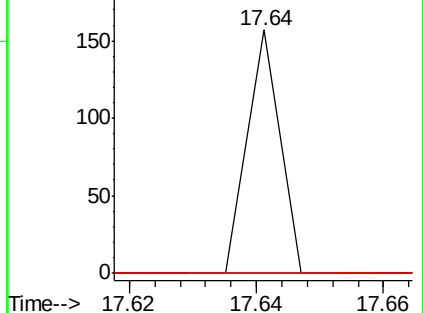
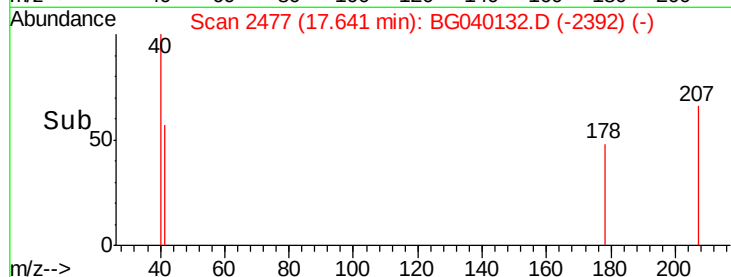
179 0.0 12.5 18.7#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Di-n-butylphthalate

Concen: 0.022 ng

RT: 18.45 min Scan# 2614

Delta R.T. -0.02 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

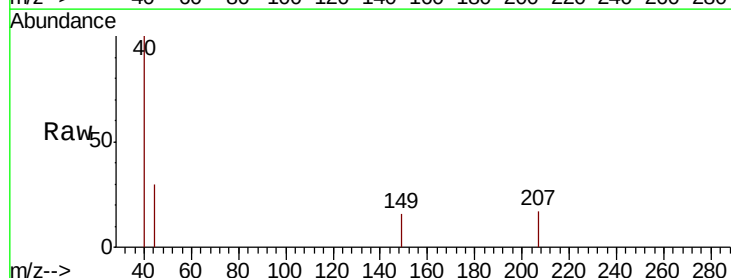
Tgt Ion:149 Resp: 372

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

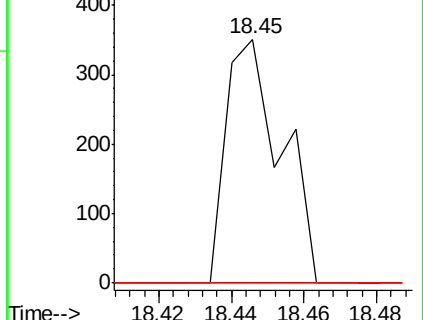
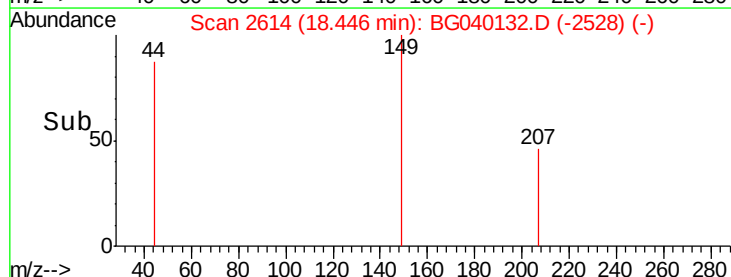
104 0.0 4.5 6.7#

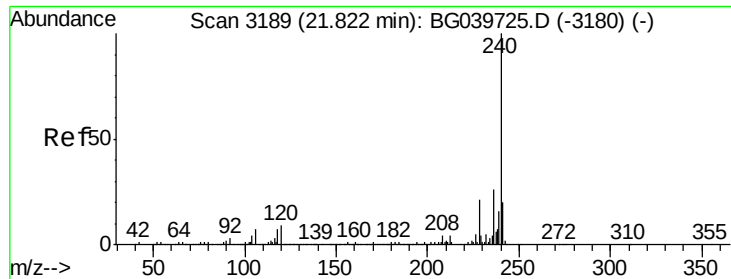


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

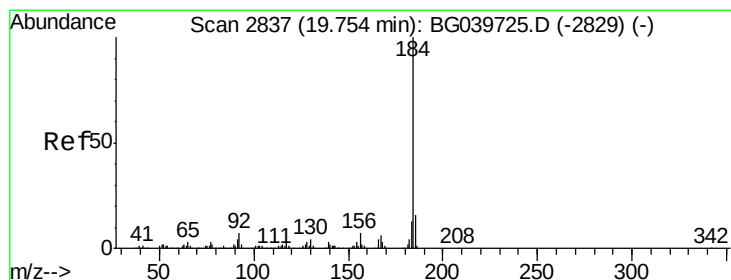
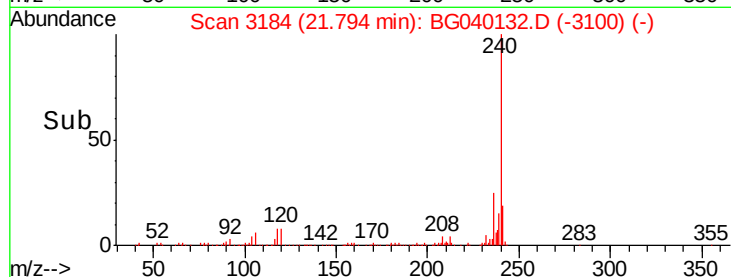
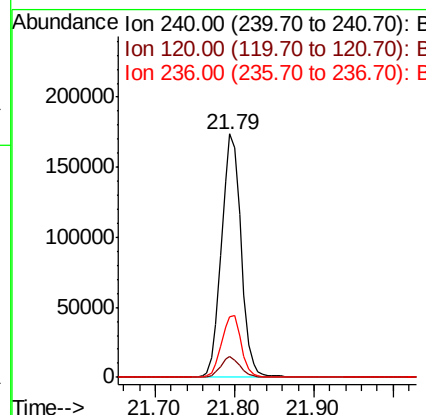
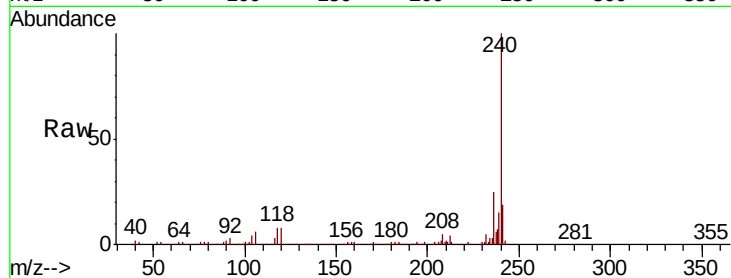




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3184
Delta R.T. -0.03 min
Lab File: BG040132.D
Acq: 26 Mar 2019 00:53

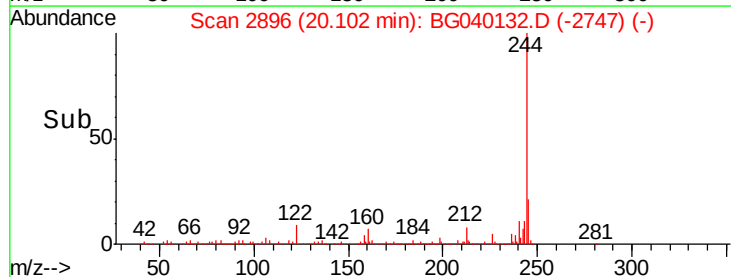
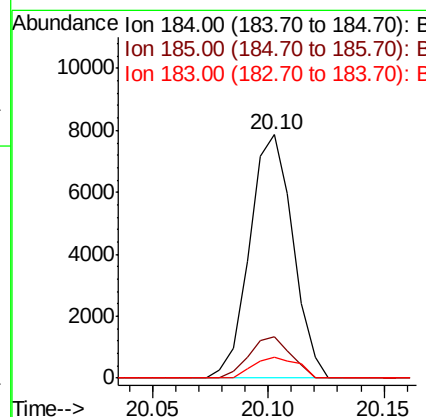
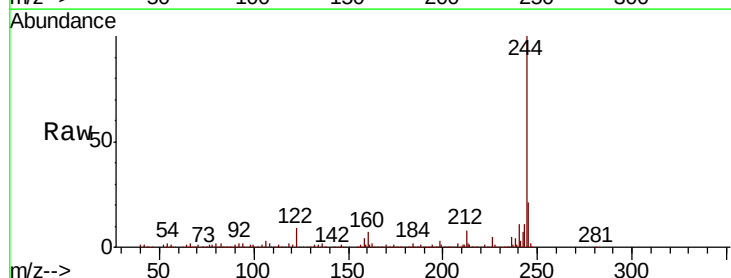
Instrument :
BNA_G
ClientSampleId :
MW-4

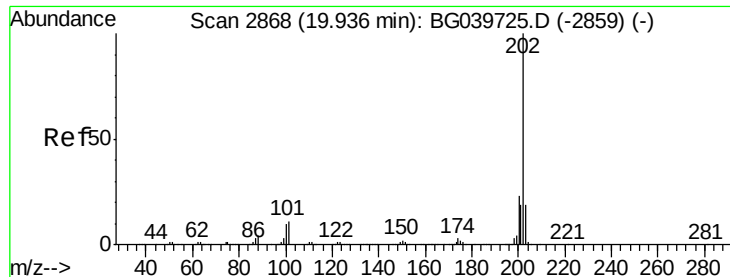
Tgt Ion:240 Resp: 297069
Ion Ratio Lower Upper
240 100
120 8.4 7.0 10.6
236 25.0 21.0 31.4



#77
Benzidine
Concen: 1.088 ng
RT: 20.10 min Scan# 2896
Delta R.T. 0.35 min
Lab File: BG040132.D
Acq: 26 Mar 2019 00:53

Tgt Ion:184 Resp: 10255
Ion Ratio Lower Upper
184 100
185 17.0 12.2 18.2
183 8.6 10.6 15.8#





#78

Pyrene

Concen: 0.123 ng

RT: 20.10 min Scan# 2896

Delta R.T. 0.16 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

Instrument :

BNA_G

ClientSampleId :

MW-4

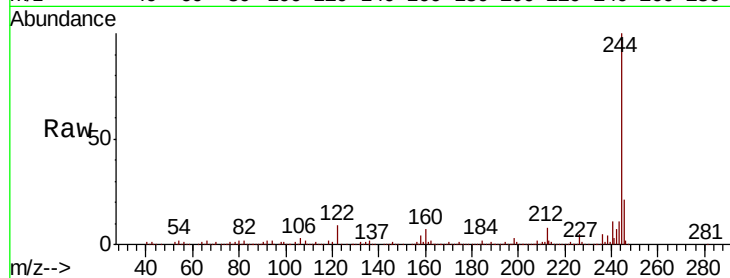
Tgt Ion:202 Resp: 2380

Ion Ratio Lower Upper

202 100

200 47.6 17.8 26.8#

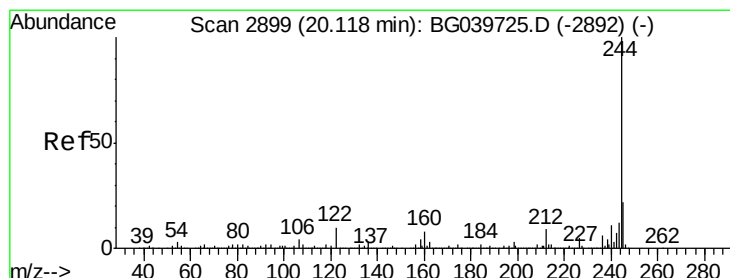
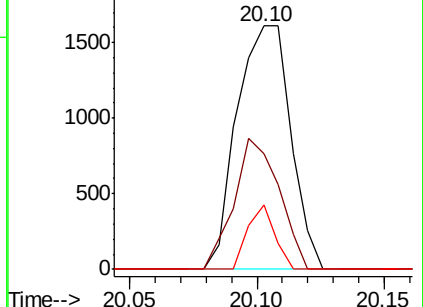
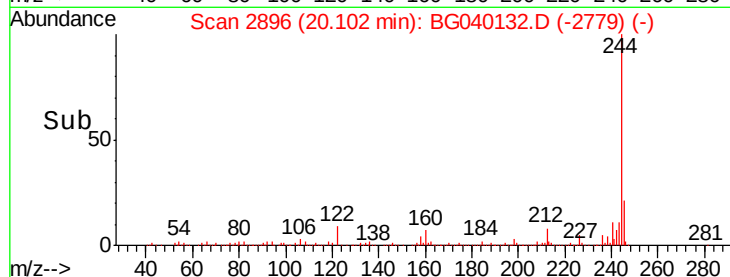
203 26.3 15.3 22.9#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 44.858 ng

RT: 20.10 min Scan# 2896

Delta R.T. -0.02 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

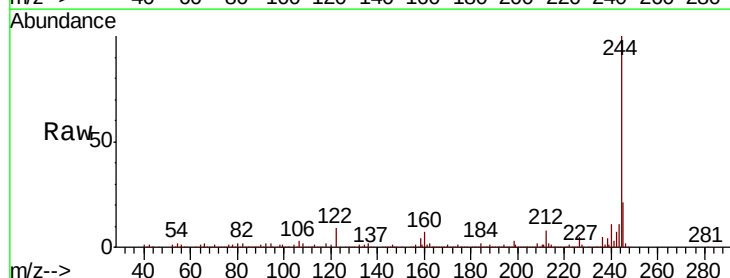
Tgt Ion:244 Resp: 605231

Ion Ratio Lower Upper

244 100

212 8.2 7.3 10.9

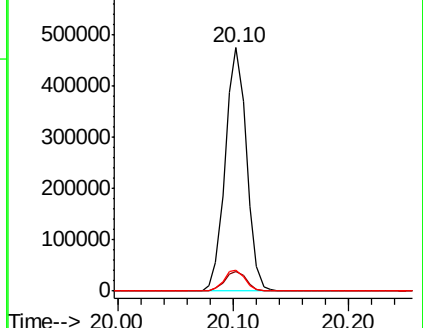
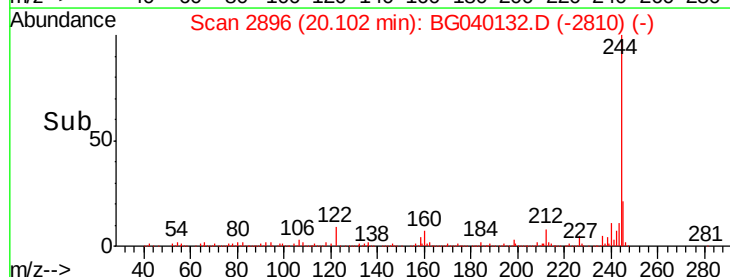
122 8.6 8.4 12.6

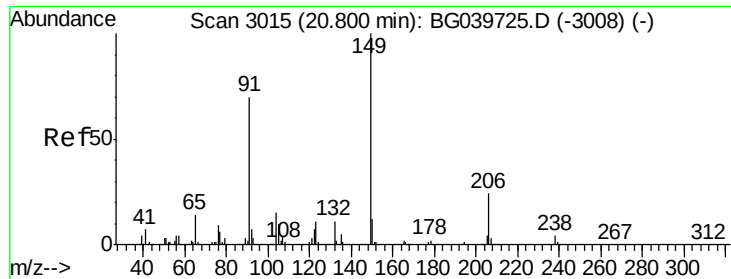


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

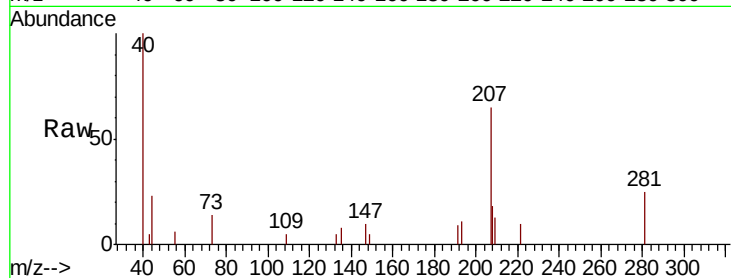




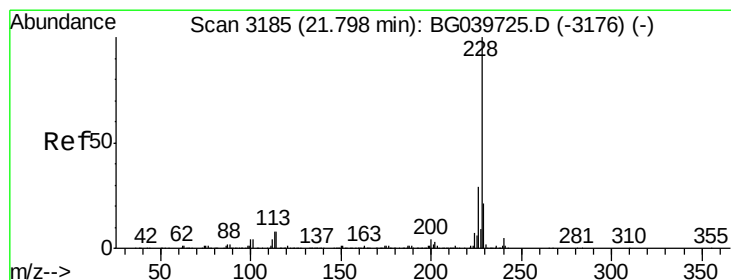
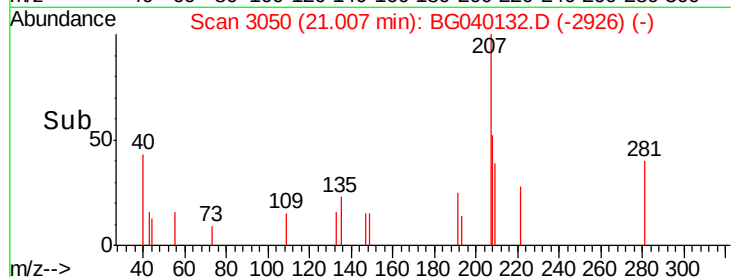
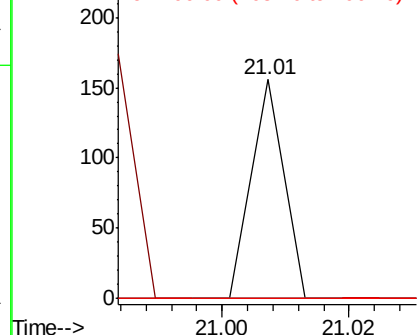
#80
Butylbenzylphthalate
Concen: 0.007 ng
RT: 21.01 min Scan# 3050
Delta R.T. 0.20 min
Lab File: BG040132.D
Acq: 26 Mar 2019 00:53

Instrument :
BNA_G
ClientSampleId :
MW-4

Tgt Ion	Ratio	Lower	Upper
149	100		
91	0.0	59.5	89.3#
206	0.0	18.6	27.8#

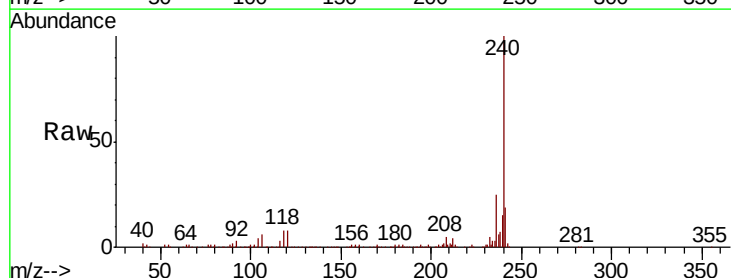


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

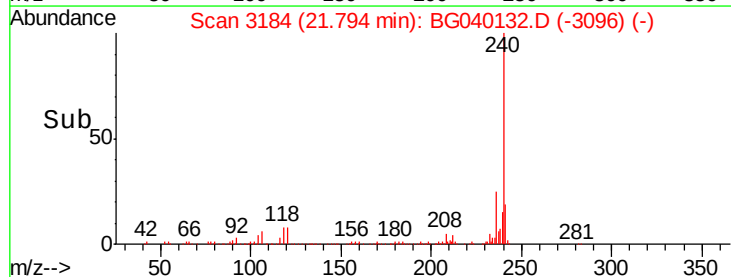
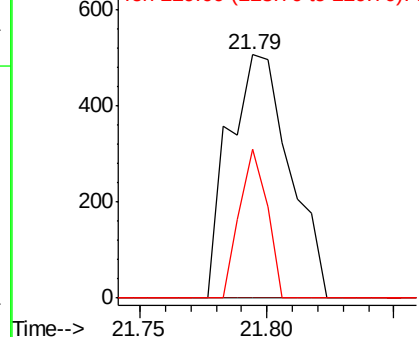


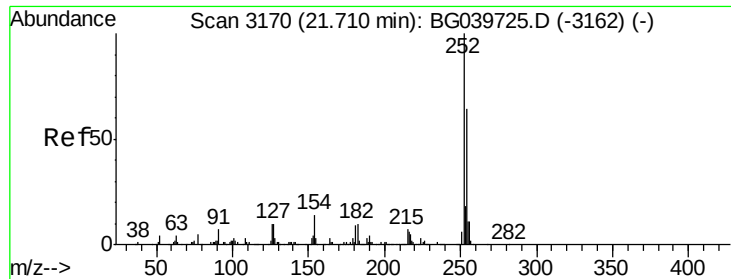
#81
Benzo(a)anthracene
Concen: 0.046 ng
RT: 21.79 min Scan# 3184
Delta R.T. -0.01 min
Lab File: BG040132.D
Acq: 26 Mar 2019 00:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	23.0	34.6#
229	60.9	16.9	25.3#



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





#82

3,3'-Dichlorobenzidine

Concen: 0.009 ng

RT: 21.81 min Scan# 3186

Delta R.T. 0.09 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

Instrument :

BNA_G

ClientSampleId :

MW-4

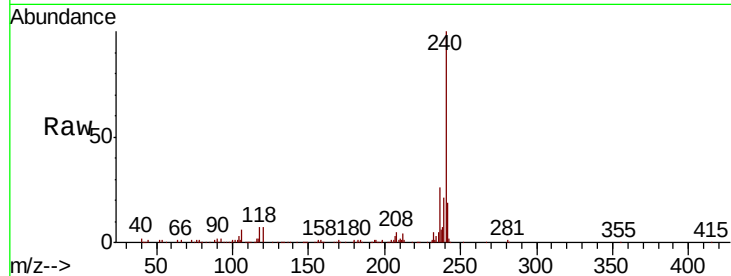
Tgt Ion:252 Resp: 58

Ion Ratio Lower Upper

252 100

254 0.0 51.3 76.9#

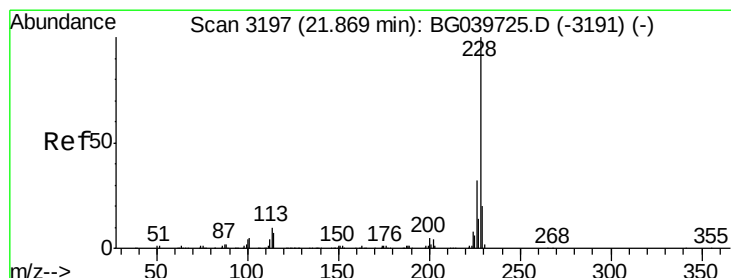
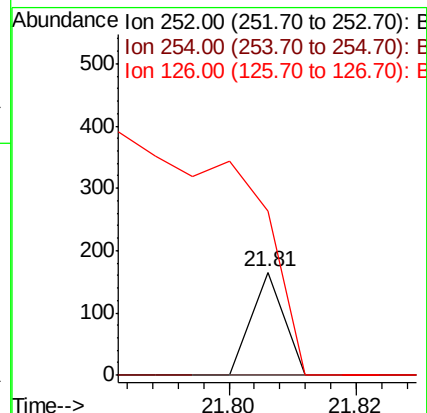
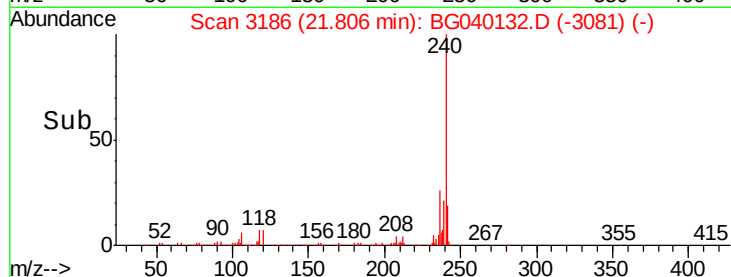
126 160.0 8.0 12.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#83

Chrysene

Concen: 0.047 ng

RT: 21.79 min Scan# 3184

Delta R.T. -0.08 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

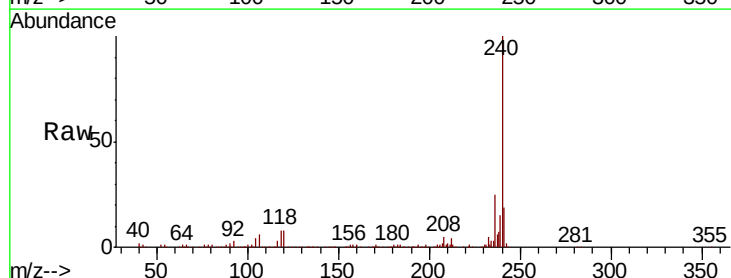
Tgt Ion:228 Resp: 849

Ion Ratio Lower Upper

228 100

226 0.0 25.8 38.6#

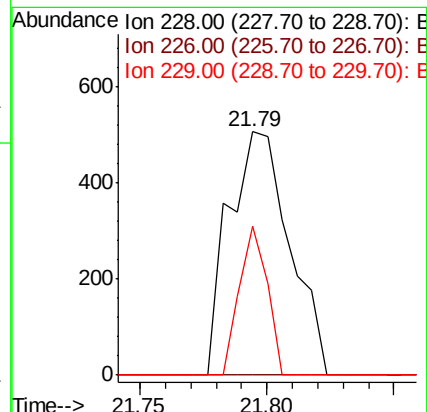
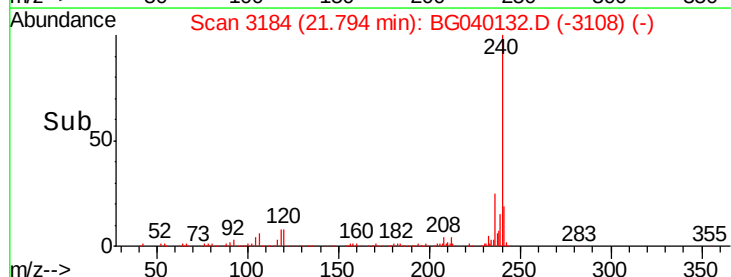
229 60.9 16.6 25.0#

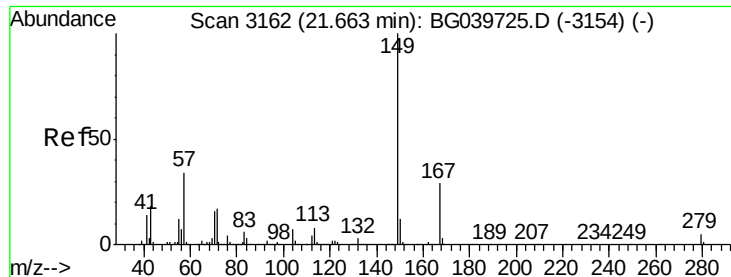


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

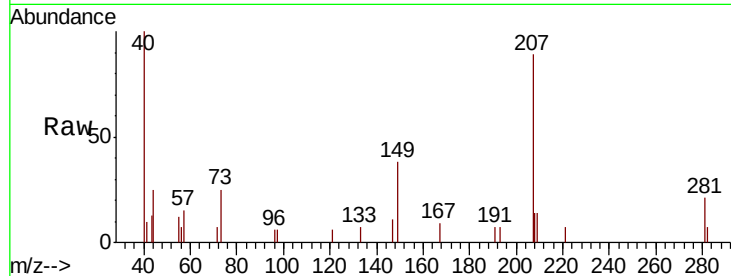




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.134 ng
 RT: 21.64 min Scan# 3158
 Delta R.T. -0.03 min
 Lab File: BG040132.D
 Acq: 26 Mar 2019 00:53

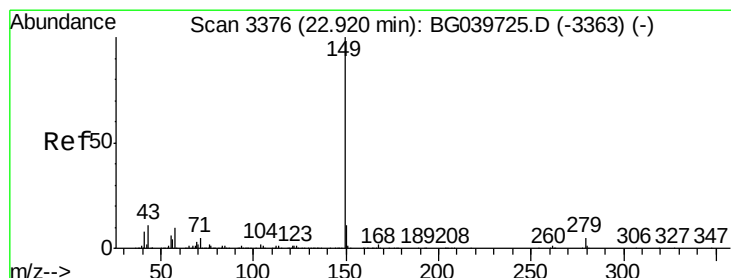
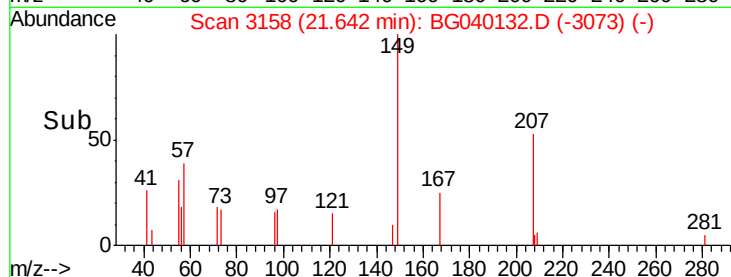
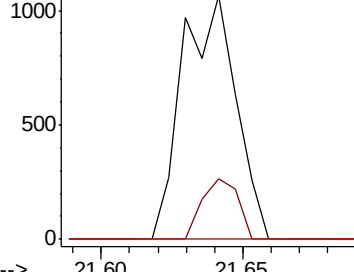
Instrument :
 BNA_G
 ClientSampleId :
 MW-4

Tgt Ion:149 Resp: 1406
 Ion Ratio Lower Upper
 149 100
 167 24.9 22.6 34.0
 279 0.0 3.5 5.3#



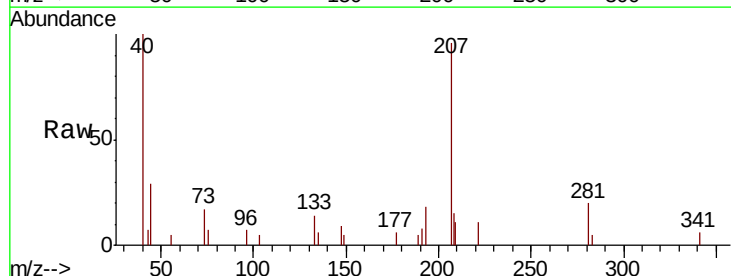
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

21.64



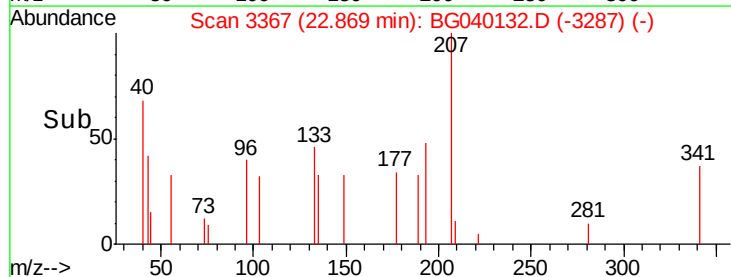
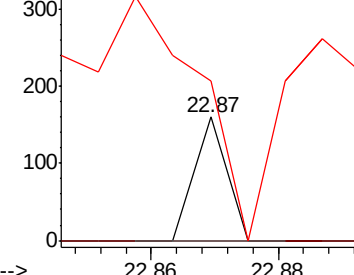
#85
 Di-n-octyl phthalate
 Concen: 0.003 ng
 RT: 22.87 min Scan# 3367
 Delta R.T. -0.06 min
 Lab File: BG040132.D
 Acq: 26 Mar 2019 00:53

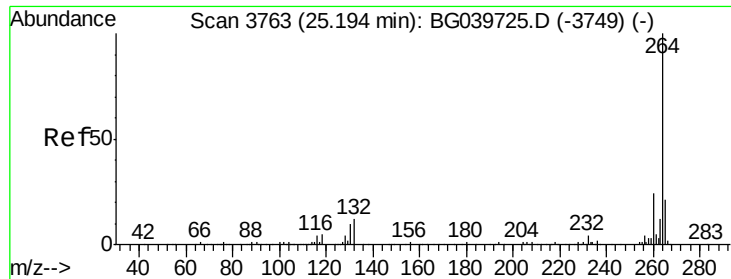
Tgt Ion:149 Resp: 56
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.3 1.9#
 43 478.6 10.2 15.4#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BGC

22.87

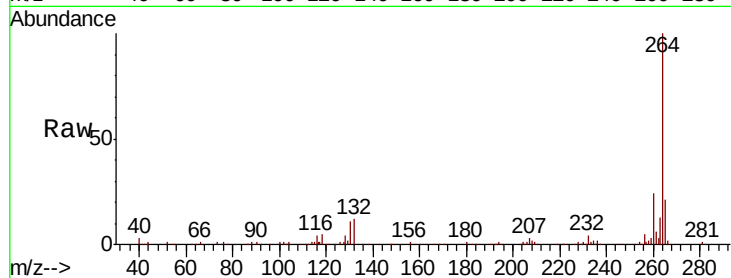




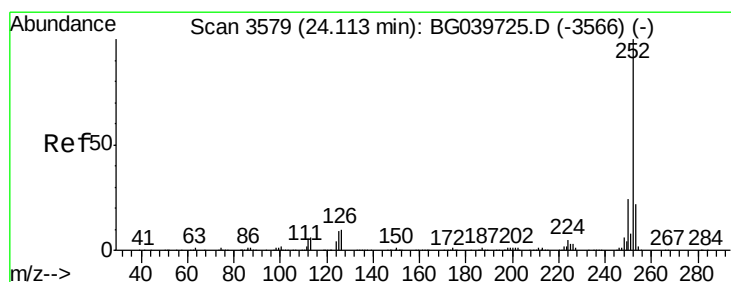
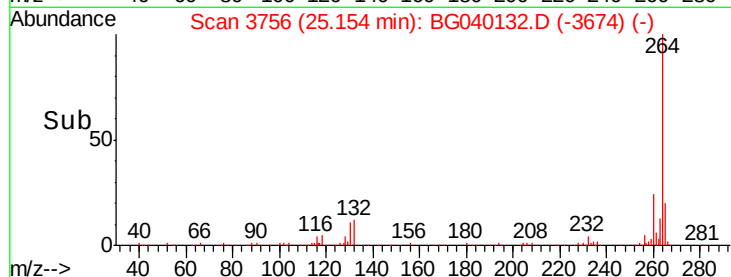
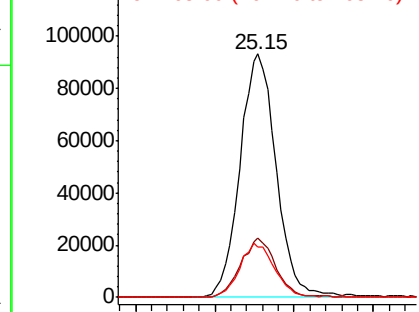
#87
Perylene-d12
Concen: 20.000 ng
RT: 25.15 min Scan# 3756
Delta R.T. -0.05 min
Lab File: BG040132.D
Acq: 26 Mar 2019 00:53

Instrument :
BNA_G
ClientSampleId :
MW-4

Tgt Ion:	264	Resp:	295199
Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.2	27.4
265	20.6	18.5	27.7

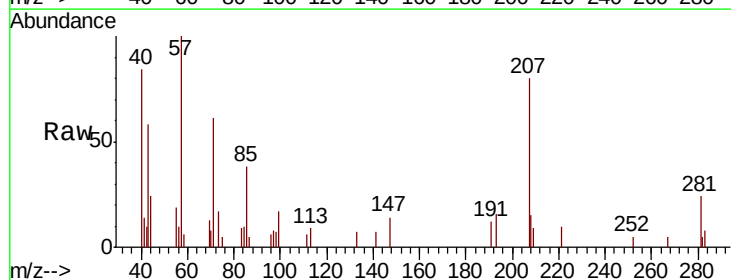


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

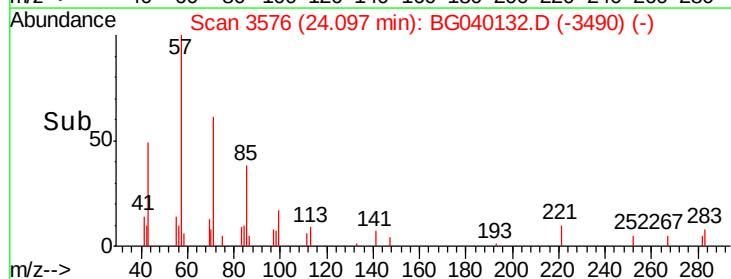
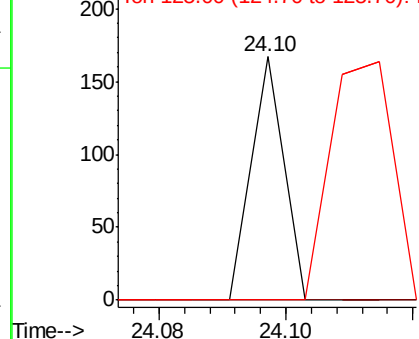


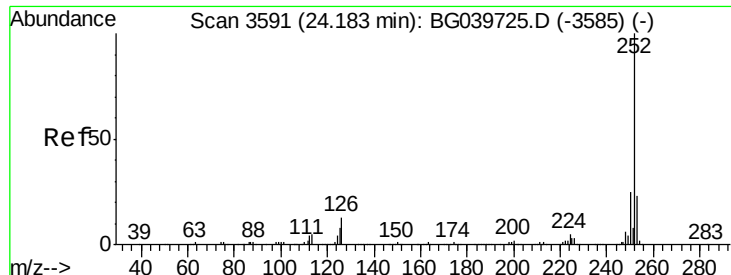
#88
Benzo(b)fluoranthene
Concen: 0.003 ng
RT: 24.10 min Scan# 3576
Delta R.T. -0.02 min
Lab File: BG040132.D
Acq: 26 Mar 2019 00:53

Tgt Ion:	252	Resp:	59
Ion	Ratio	Lower	Upper
252	100		
253	0.0	17.8	26.8#
125	0.0	7.8	11.6#



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(k)fluoranthene

Concen: 0.004 ng

RT: 24.17 min Scan# 3588

Delta R.T. -0.02 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

Instrument :

BNA_G

ClientSampleId :

MW-4

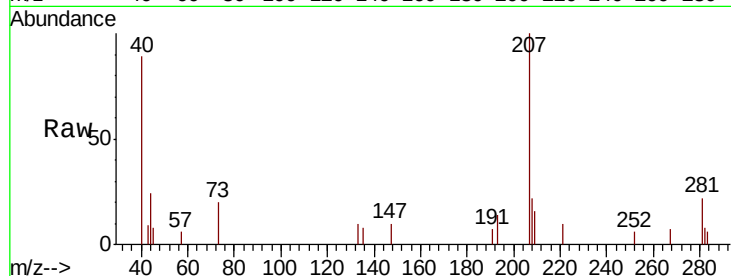
Tgt Ion:252 Resp: 63

Ion Ratio Lower Upper

252 100

253 0.0 18.2 27.2#

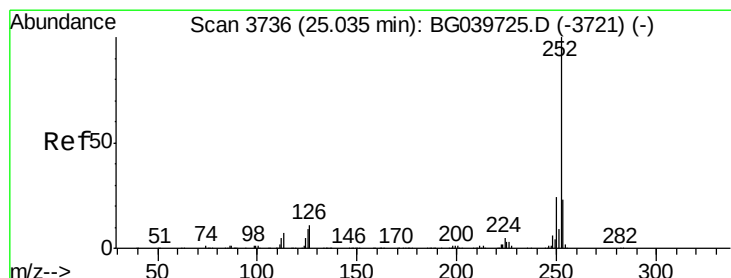
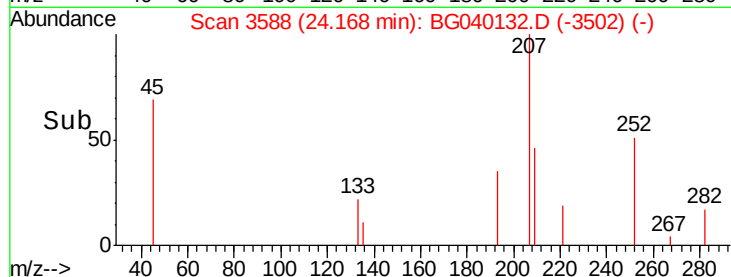
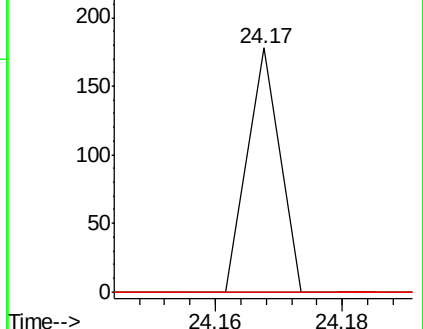
125 0.0 7.4 11.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 0.003 ng

RT: 24.85 min Scan# 3704

Delta R.T. -0.19 min

Lab File: BG040132.D

Acq: 26 Mar 2019 00:53

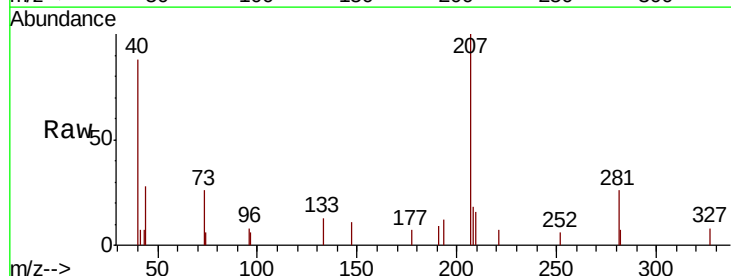
Tgt Ion:252 Resp: 55

Ion Ratio Lower Upper

252 100

253 0.0 17.9 26.9#

125 0.0 8.3 12.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

