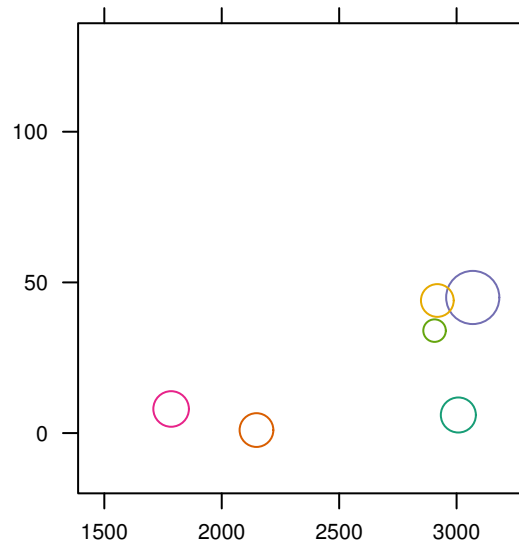
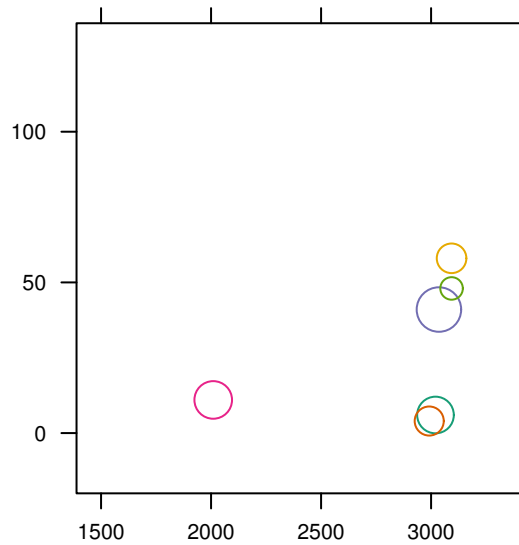
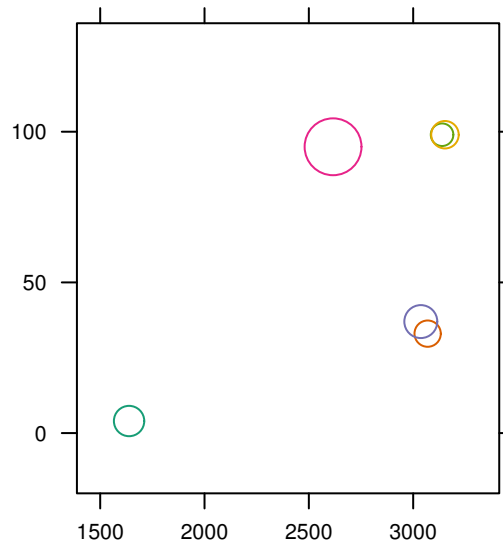


Profile: 1 , Sample: 1
Buffer: 120

Buffer: 30/60

Buffer: 240

Change in Quality

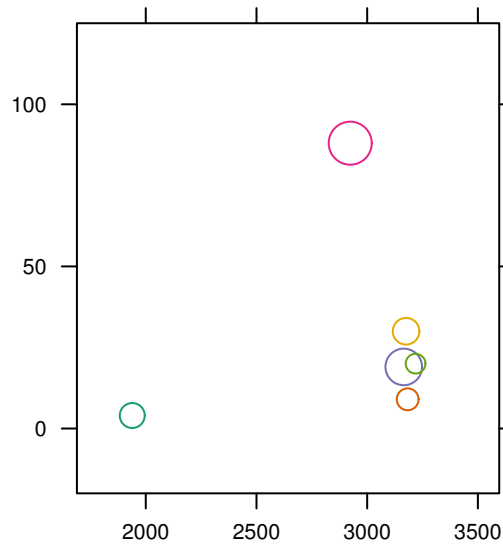


BOLA-Last
Buffer Based
ELASTIC-Last
Nearest-Avg Throughput
QUETRA-Avg Throughput
QUETRA-Last

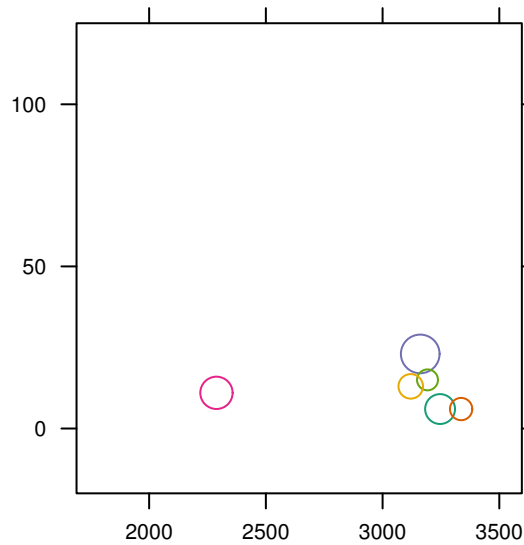


Profile: 1 , Sample: 2

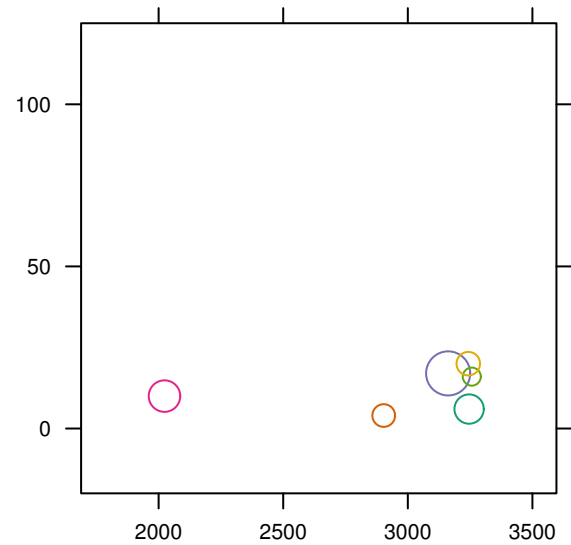
Buffer: 30/60



Buffer: 120



Buffer: 240

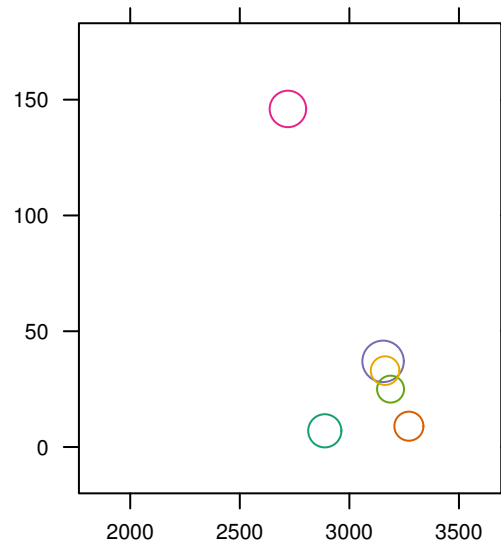


BOLA-Last
 Buffer Based
 ELASTIC-Last
 Nearest-Avg Throughput
 QUETRA-Avg Throughput
 QUETRA-Last

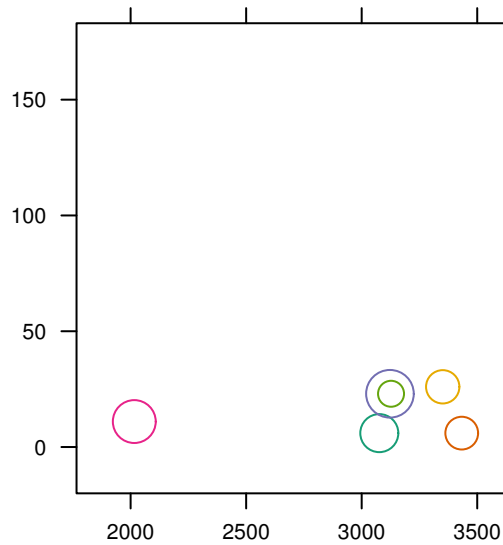


Profile: 1 , Sample: 3

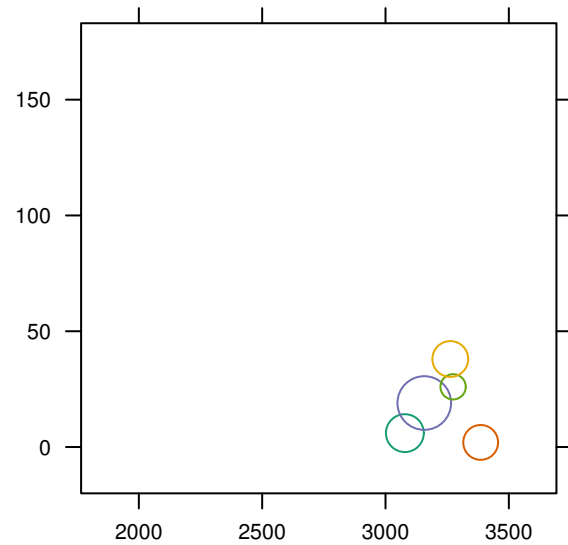
Buffer: 30/60



Buffer: 120



Buffer: 240



BOLA-Last
 Buffer Based
 ELASTIC-Last
 Nearest-Avg Throughput
 QUETRA-Avg Throughput
 QUETRA-Last

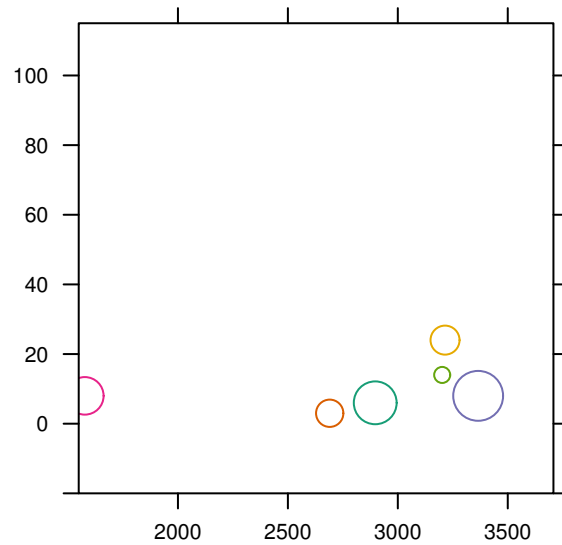
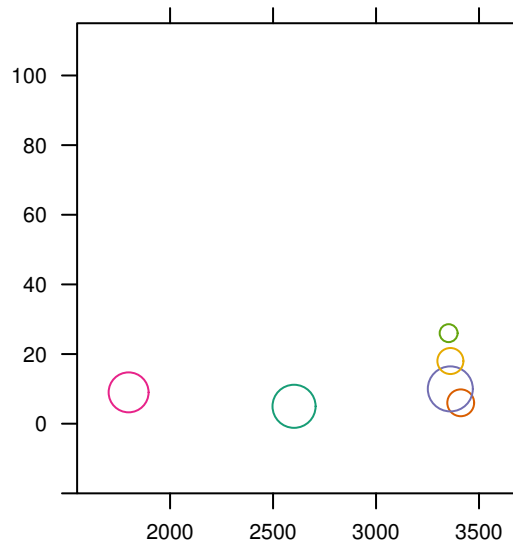
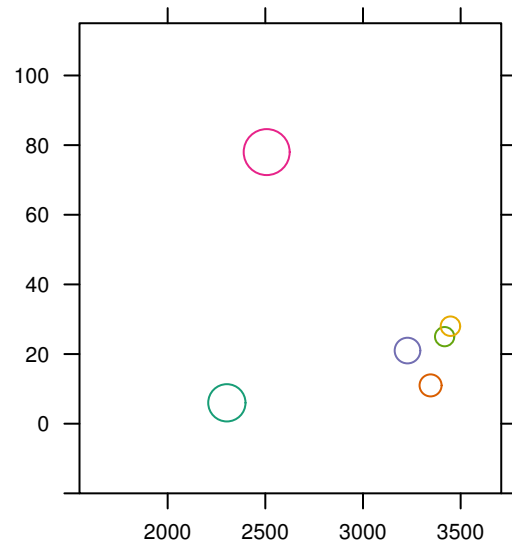


Profile: 1 , Sample: 4
Buffer: 120

Buffer: 30/60

Buffer: 240

Change in Quality



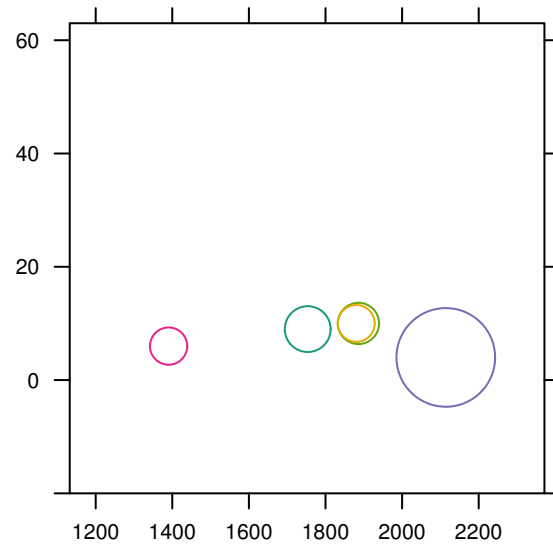
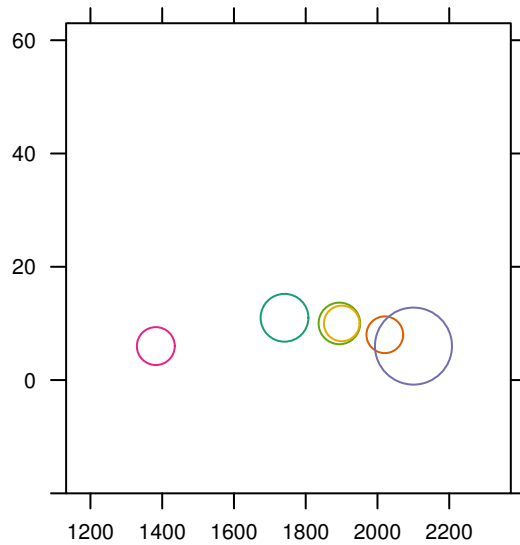
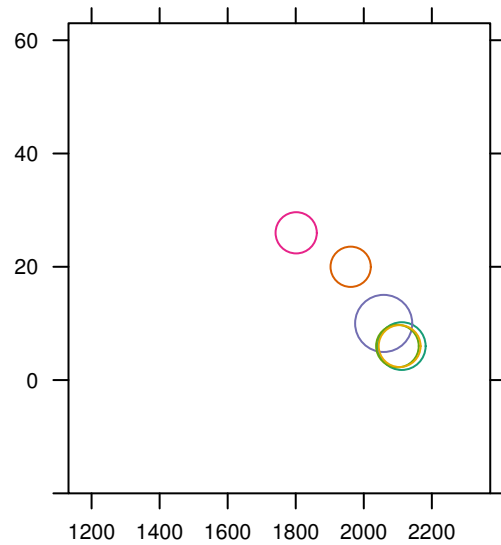
BOLA-Last
Buffer Based
ELASTIC-Last
Nearest-Avg Throughput
QUETRA-Avg Throughput
QUETRA-Last



Profile: 1 , Sample: 5
Buffer: 120

Buffer: 240

Change in Quality



BOLA-Last
Buffer Based
ELASTIC-Last
Nearest-Avg Throughput
QUETRA-Avg Throughput
QUETRA-Last

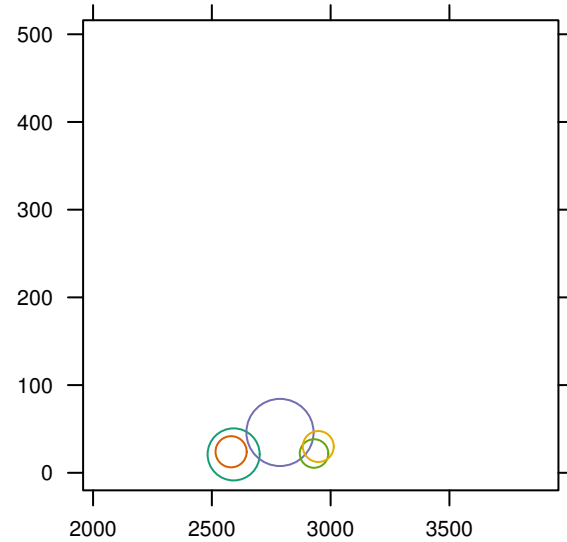
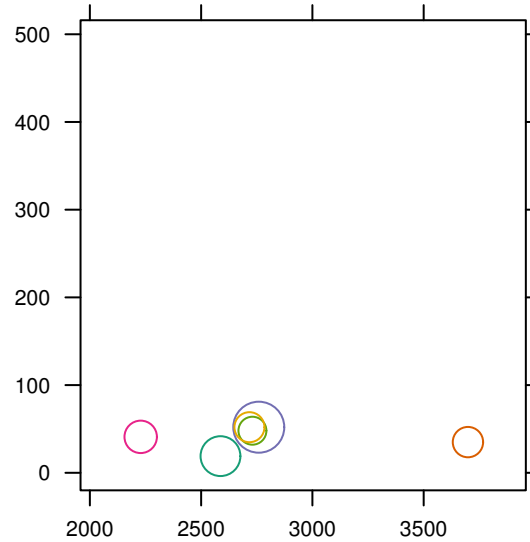
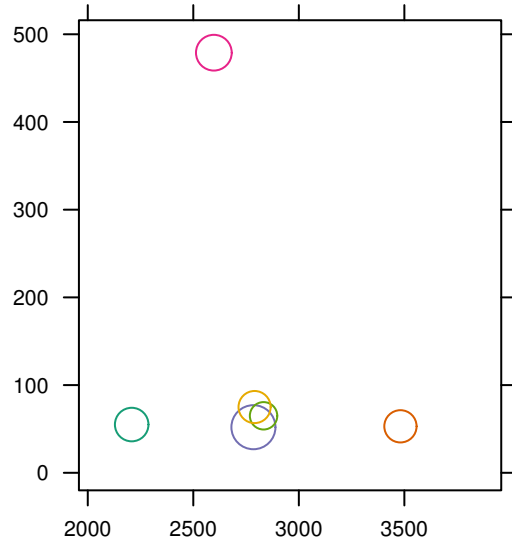


Profile: 1 , Sample: 6
Buffer: 120

Buffer: 30/60

Buffer: 240

Change in Quality

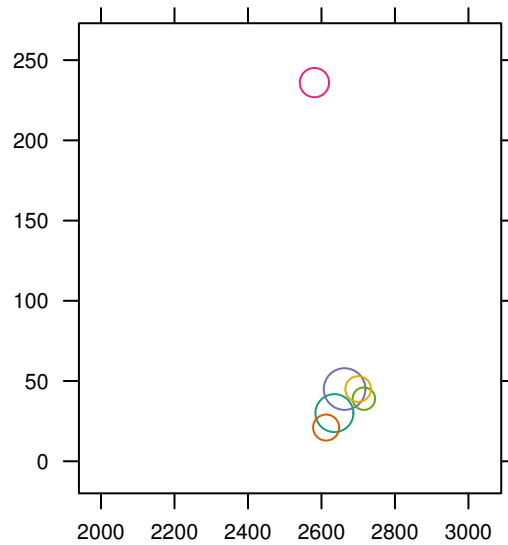


BOLA-Last
Buffer Based
ELASTIC-Last
Nearest-Avg Throughput
QUETRA-Avg Throughput
QUETRA-Last

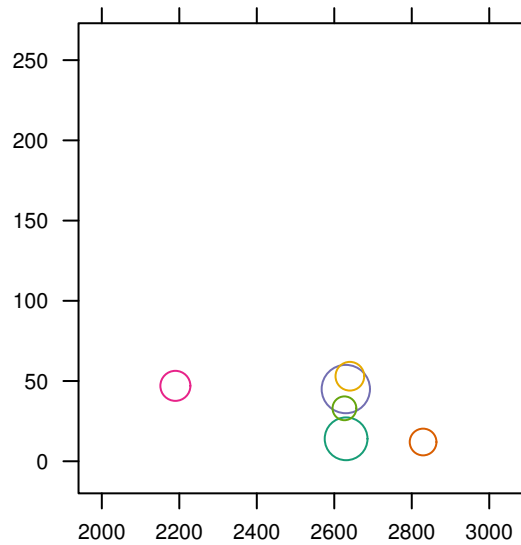


Profile: 1 , Sample: 7

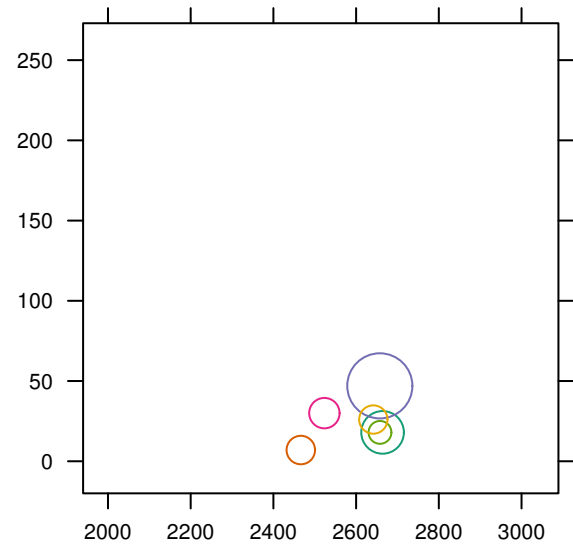
Buffer: 30/60



Buffer: 120



Buffer: 240



BOLA-Last
 Buffer Based
 ELASTIC-Last
 Nearest-Avg Throughput
 QUETRA-Avg Throughput
 QUETRA-Last

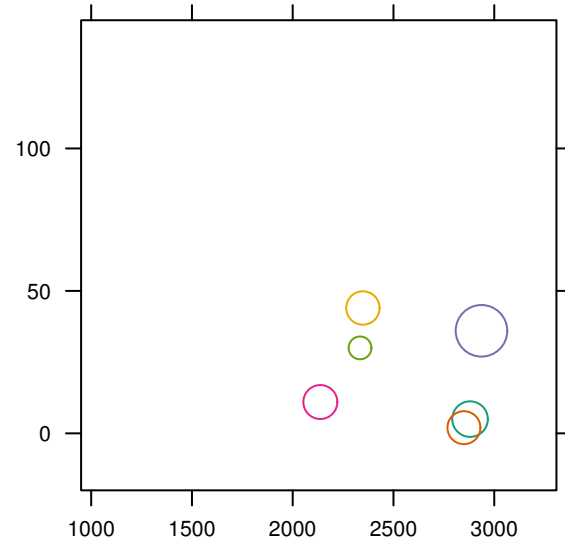
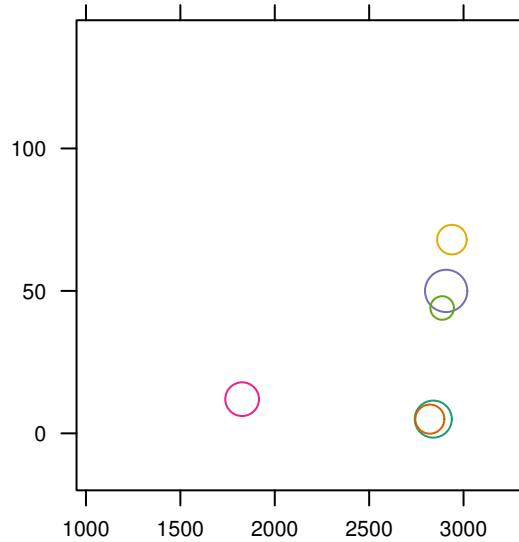
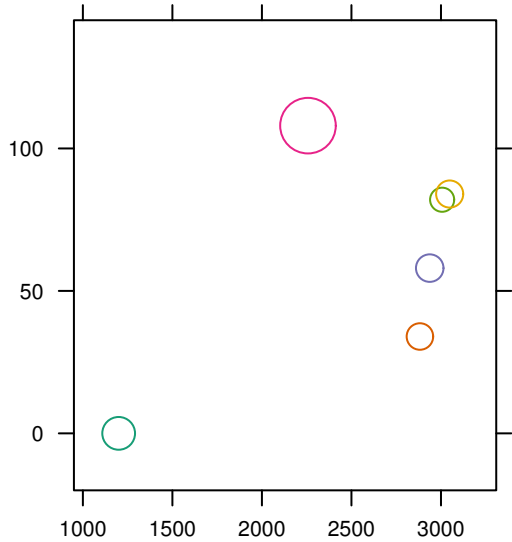


Profile: 2 , Sample: 1
Buffer: 120

Buffer: 30/60

Buffer: 240

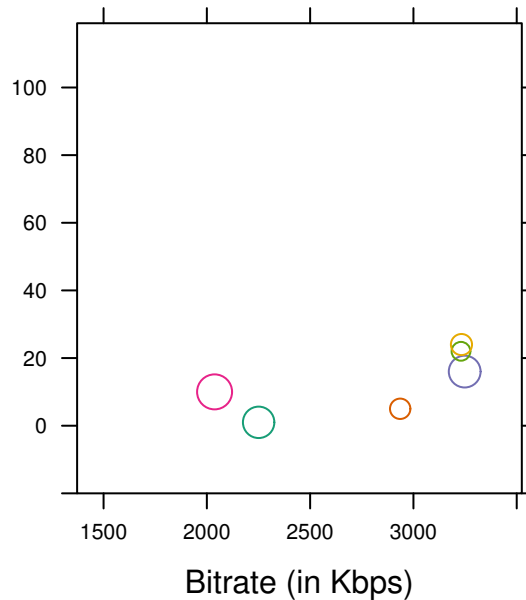
Change in Quality



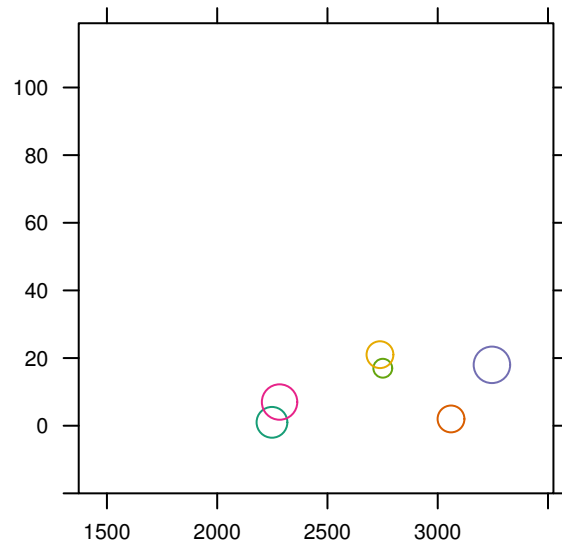
BOLA-Last
Buffer Based
ELASTIC-Last
Nearest-Avg Throughput
QUETRA-Avg Throughput
QUETRA-Last



Profile: 2 , Sample: 2
Buffer: 120



Buffer: 240

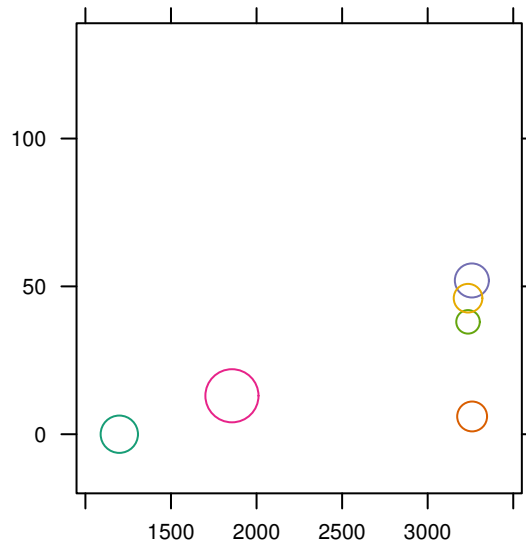
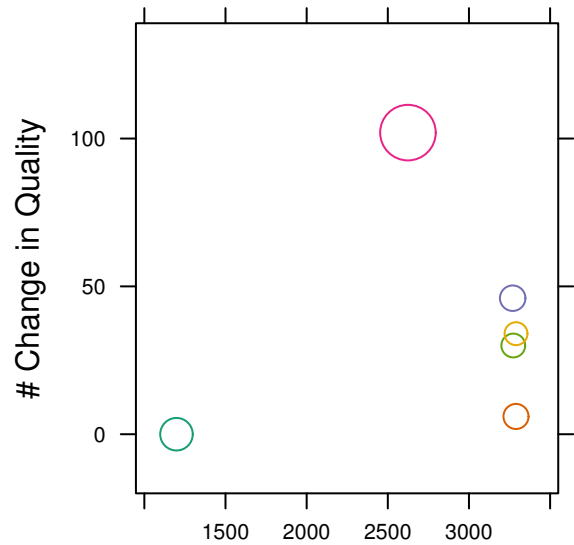


BOLA-Last
Buffer Based
ELASTIC-Last
Nearest-Avg Throughput
QUETRA-Avg Throughput
QUETRA-Last

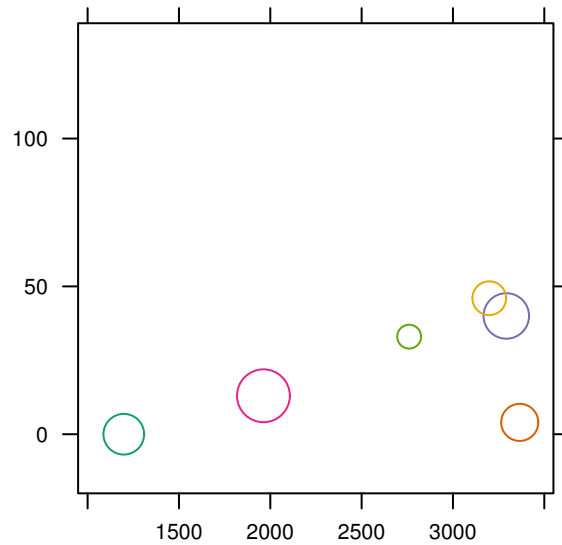


Profile: 2 , Sample: 3
Buffer: 120

Buffer: 30/60



Buffer: 240



BOLA-Last
Buffer Based
ELASTIC-Last
Nearest-Avg Throughput
QUETRA-Avg Throughput
QUETRA-Last

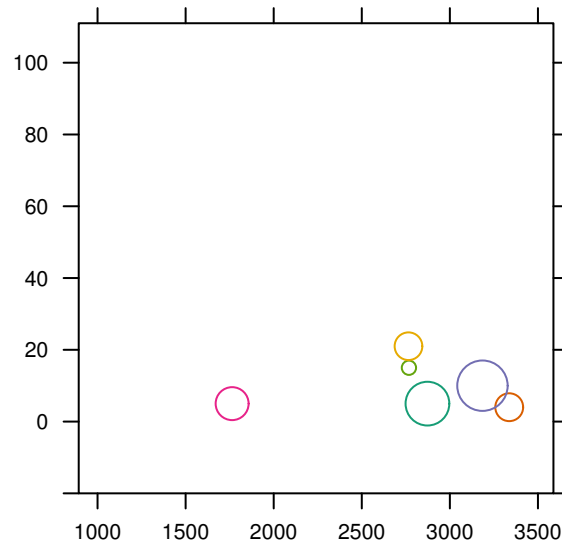
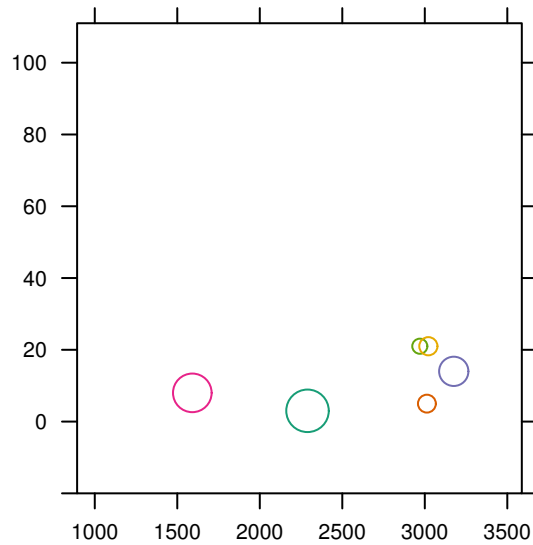
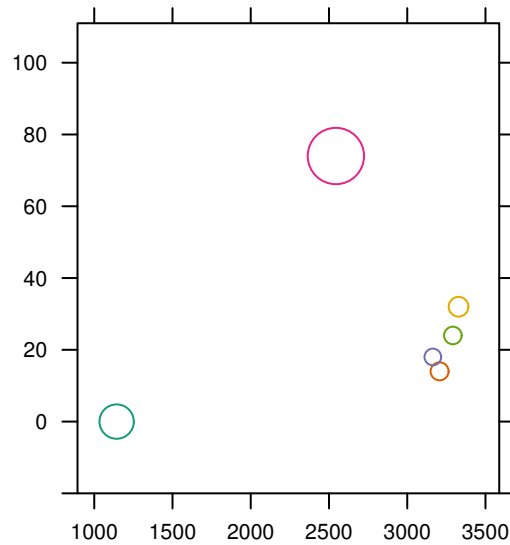


Profile: 2 , Sample: 4
Buffer: 120

Buffer: 30/60

Buffer: 240

Change in Quality



BOLA-Last
Buffer Based
ELASTIC-Last
Nearest-Avg Throughput
QUETRA-Avg Throughput
QUETRA-Last



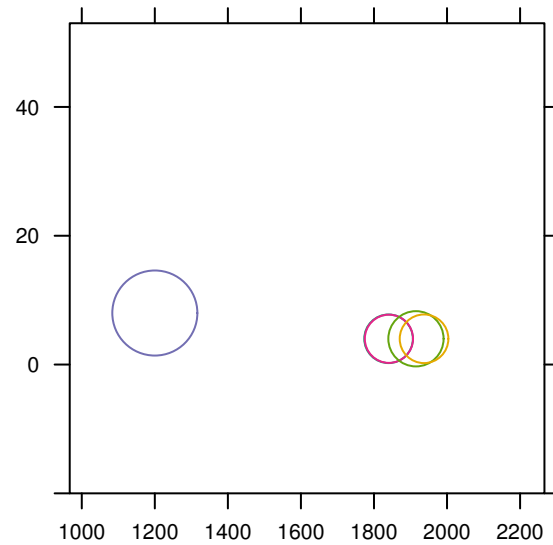
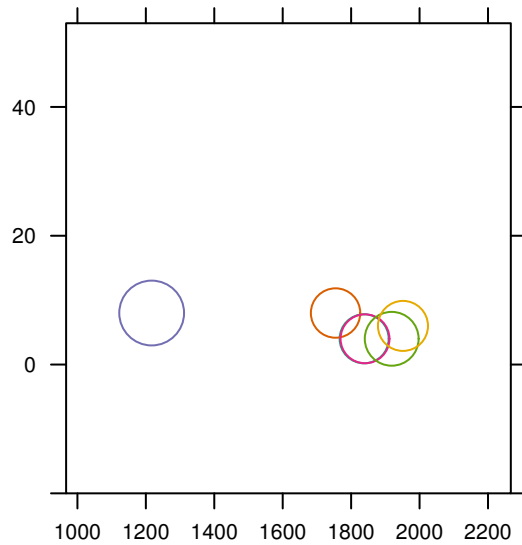
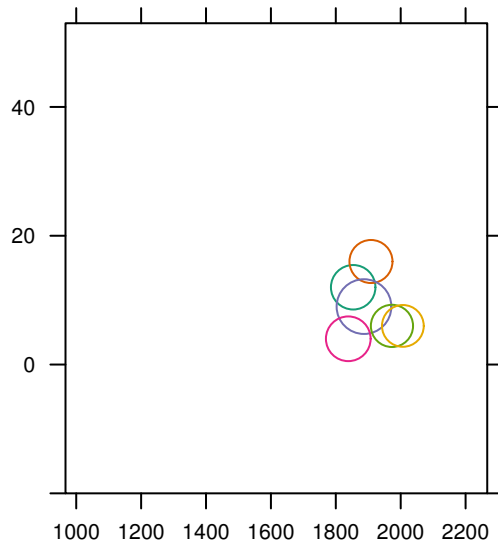
Bitrate (in Kbps)

Profile: 2 , Sample: 5
Buffer: 120

Buffer: 240

Buffer: 30/60

Change in Quality

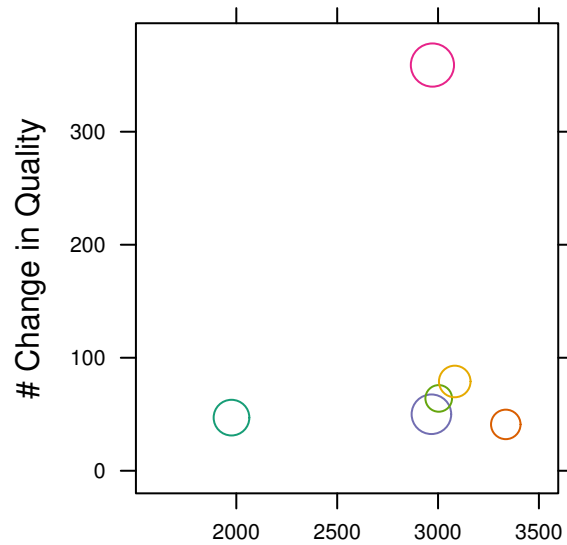


BOLA-Last
Buffer Based
ELASTIC-Last
Nearest-Avg Throughput
QUETRA-Avg Throughput
QUETRA-Last

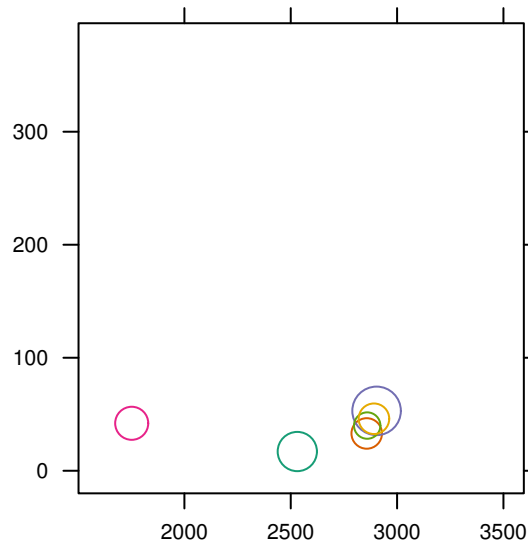


Profile: 2 , Sample: 6

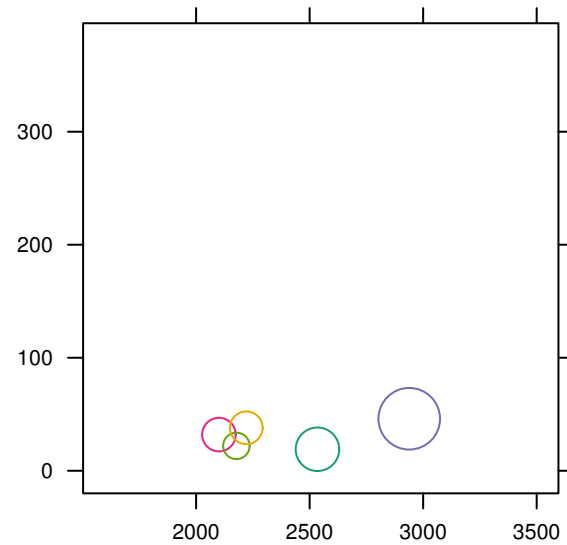
Buffer: 30/60



Buffer: 120



Buffer: 240

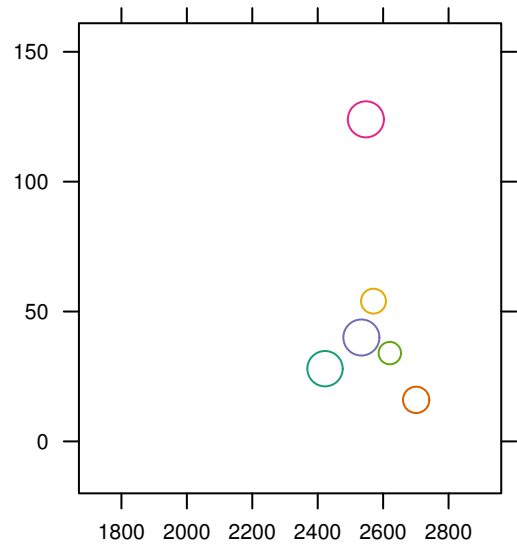


BOLA-Last
 Buffer Based
 ELASTIC-Last
 Nearest-Avg Throughput
 QUETRA-Avg Throughput
 QUETRA-Last

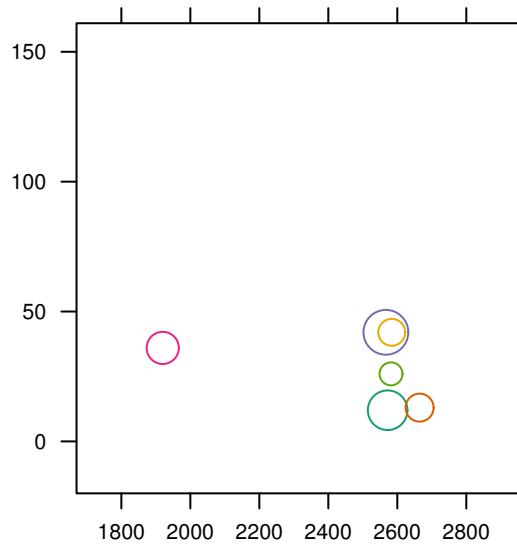


Profile: 2 , Sample: 7

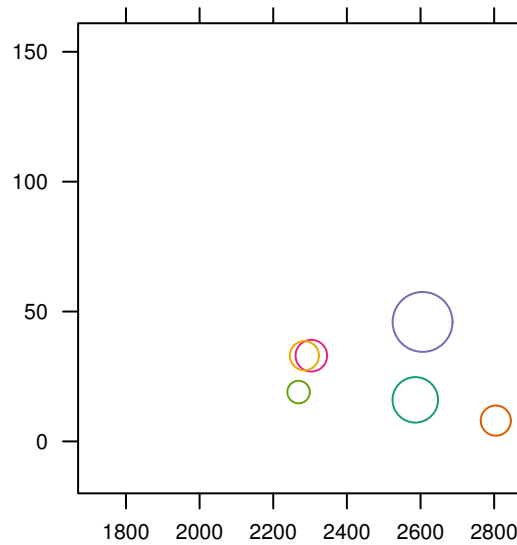
Buffer: 30/60



Buffer: 120



Buffer: 240

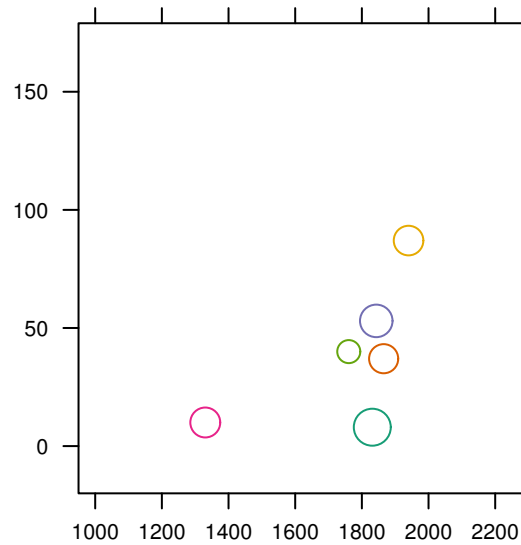
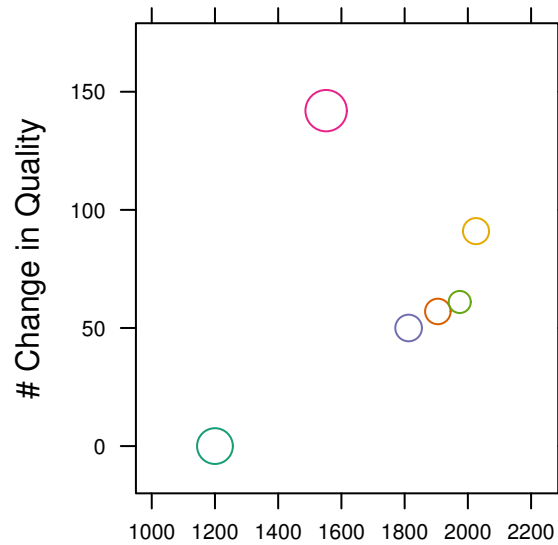


BOLA-Last
 Buffer Based
 ELASTIC-Last
 Nearest-Avg Throughput
 QUETRA-Avg Throughput
 QUETRA-Last

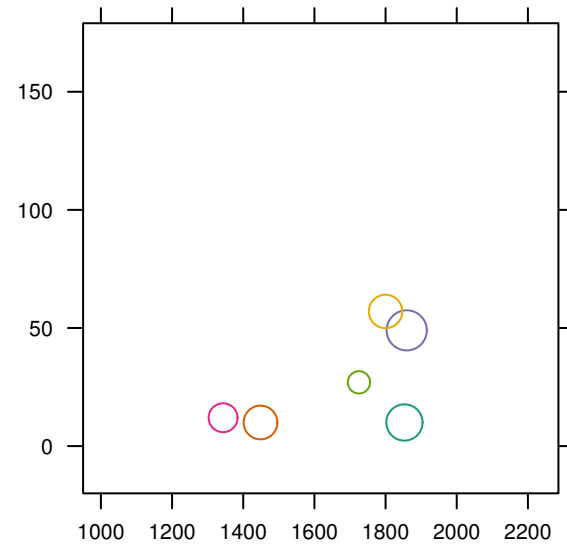


Profile: 3 , Sample: 1
Buffer: 120

Buffer: 30/60



Buffer: 240



BOLA-Last
Buffer Based
ELASTIC-Last
Nearest-Avg Throughput
QUETRA-Avg Throughput
QUETRA-Last



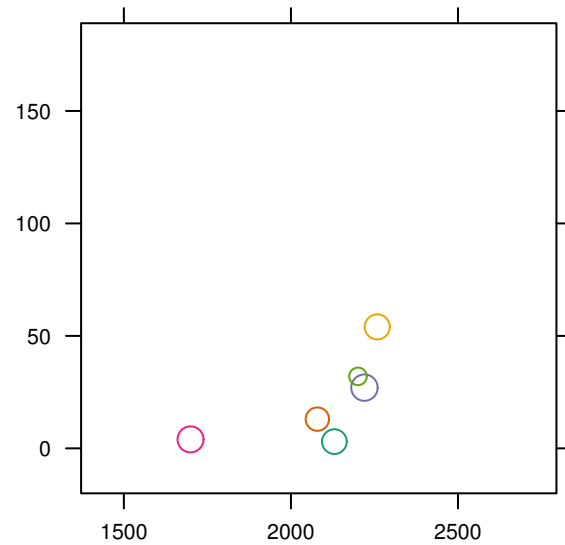
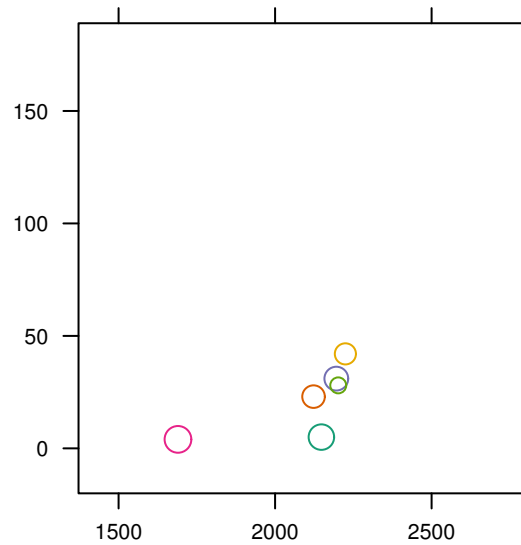
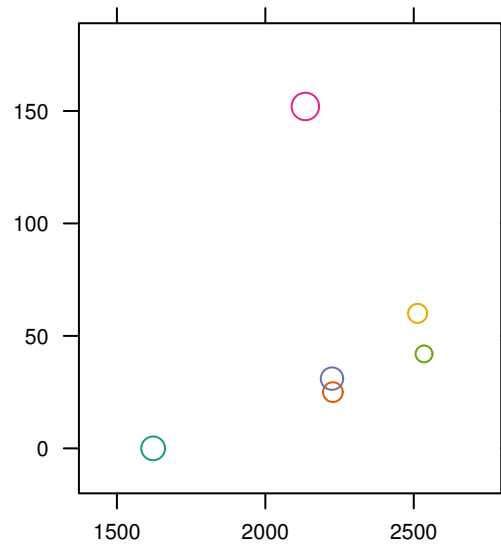
Profile: 3 , Sample: 2

Buffer: 30/60

Buffer: 120

Buffer: 240

Change in Quality



BOLA-Last
Buffer Based
ELASTIC-Last
Nearest-Avg Throughput
QUETRA-Avg Throughput
QUETRA-Last

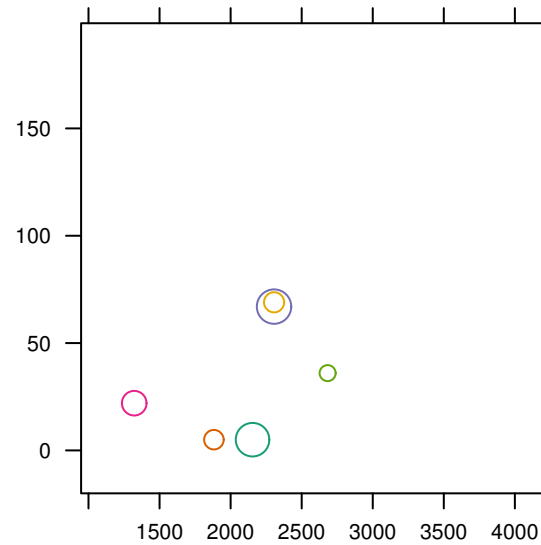
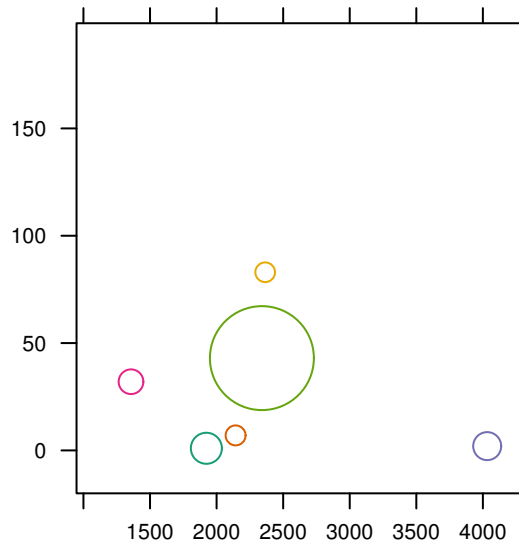
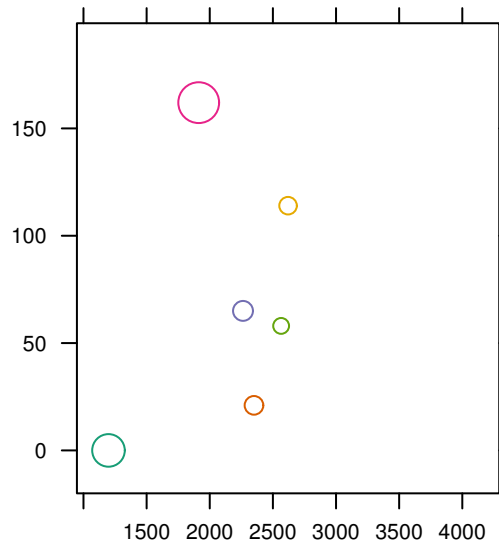


Profile: 3 , Sample: 3
Buffer: 120

Buffer: 30/60

Buffer: 240

Change in Quality



BOLA-Last
Buffer Based
ELASTIC-Last
Nearest-Avg Throughput
QUETRA-Avg Throughput
QUETRA-Last

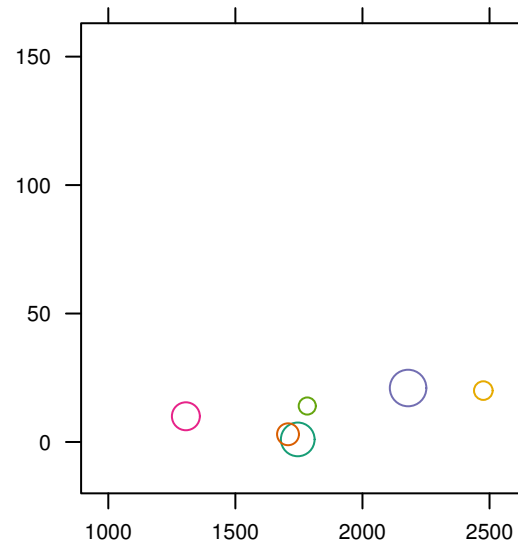
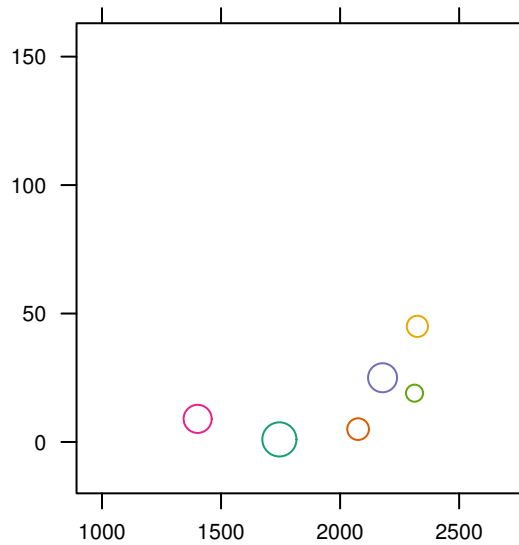
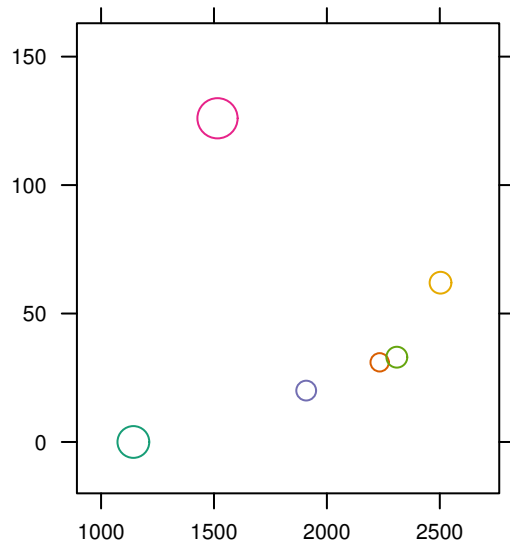


Profile: 3 , Sample: 4
Buffer: 120

Buffer: 30/60

Buffer: 240

Change in Quality



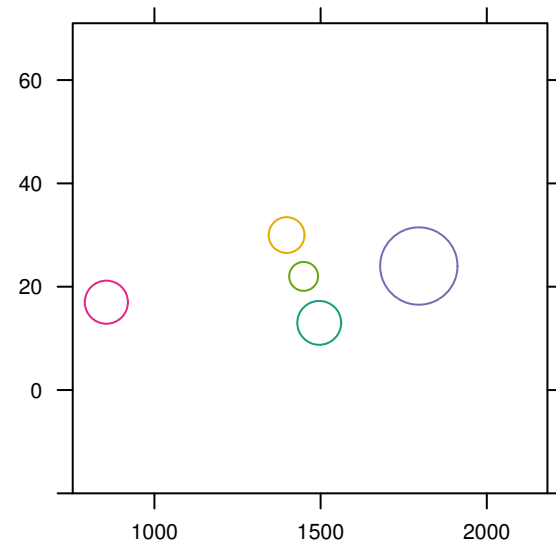
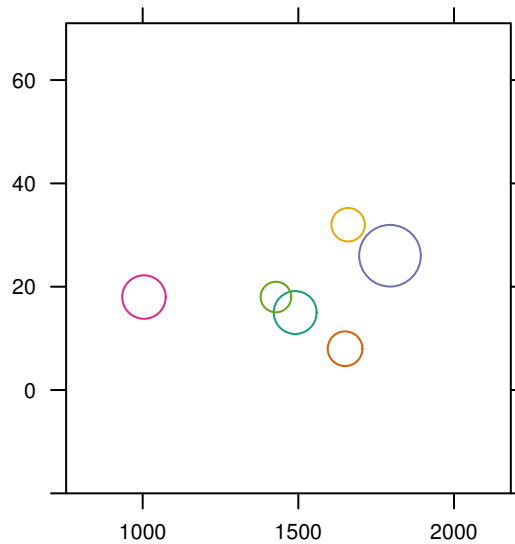
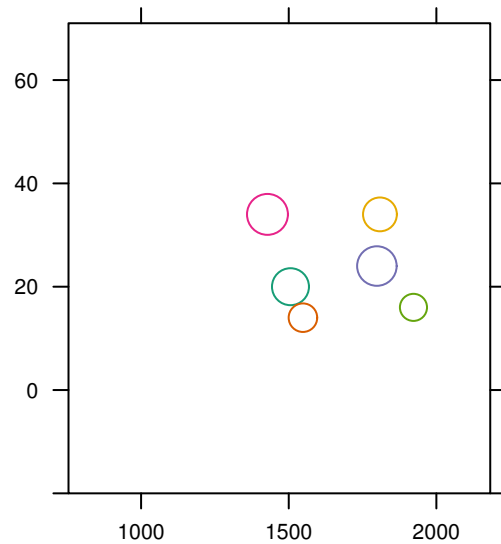
BOLA-Last
Buffer Based
ELASTIC-Last
Nearest-Avg Throughput
QUETRA-Avg Throughput
QUETRA-Last



Profile: 3 , Sample: 5
Buffer: 120

Buffer: 240

Change in Quality



BOLA-Last
Buffer Based
ELASTIC-Last
Nearest-Avg Throughput
QUETRA-Avg Throughput
QUETRA-Last

cyan

orange

purple

magenta

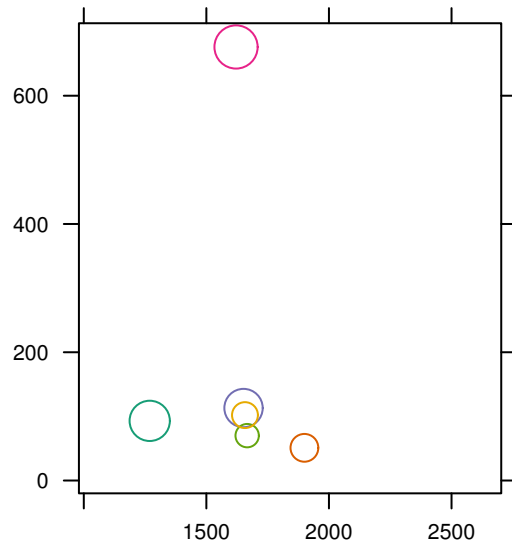
green

yellow

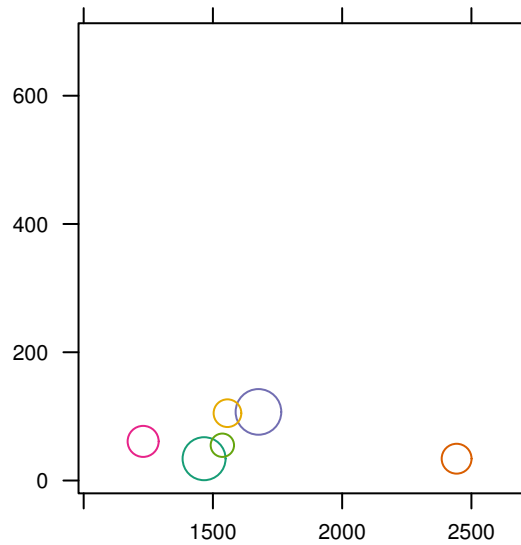
Bitrate (in Kbps)

Profile: 3 , Sample: 6

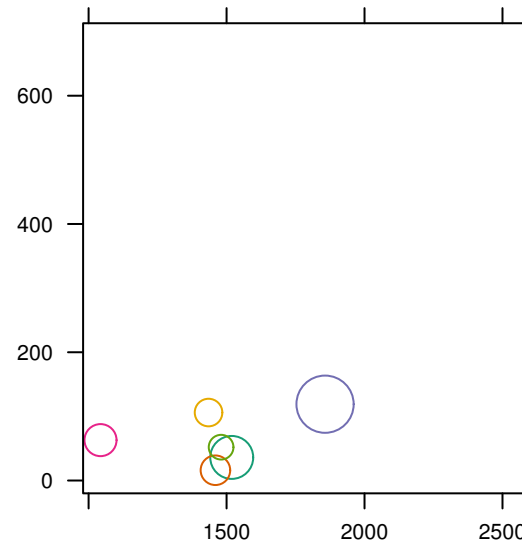
Buffer: 30/60



Buffer: 120



Buffer: 240



BOLA-Last
 Buffer Based
 ELASTIC-Last
 Nearest-Avg Throughput
 QUETRA-Avg Throughput
 QUETRA-Last



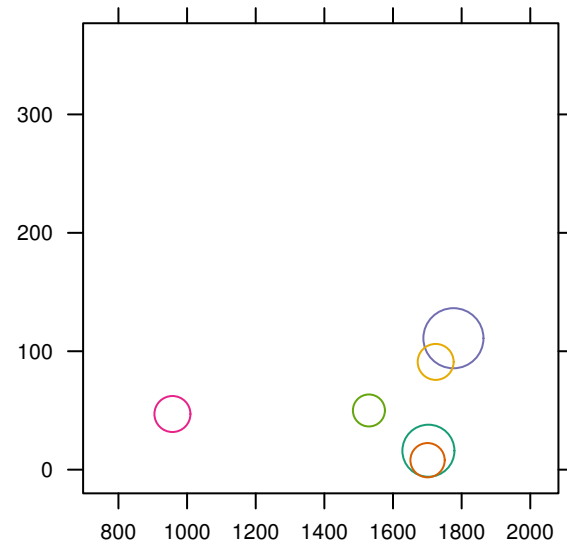
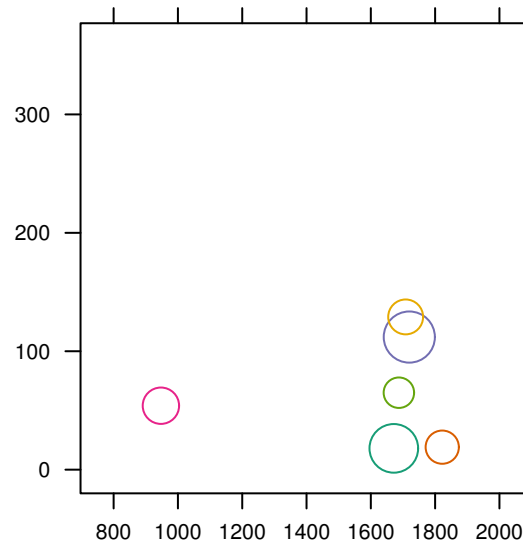
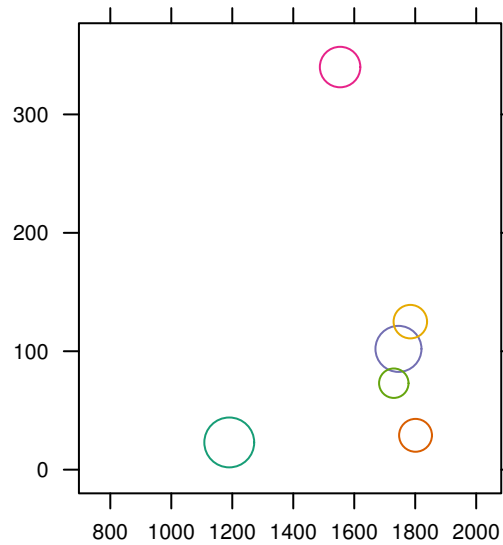
Profile: 3 , Sample: 7

Buffer: 30/60

Buffer: 120

Buffer: 240

Change in Quality



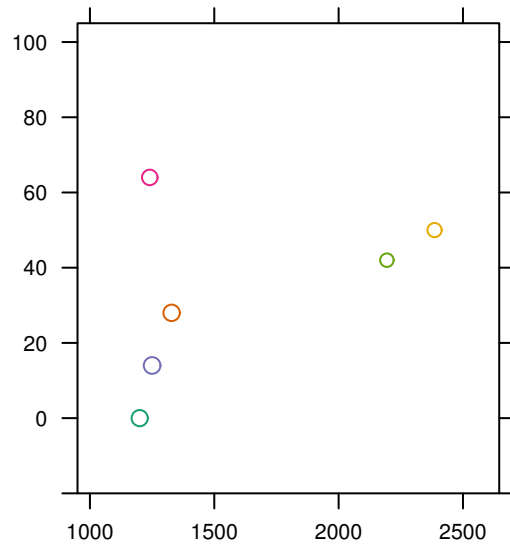
BOLA-Last
 Buffer Based
 ELASTIC-Last
 Nearest-Avg Throughput
 QUETRA-Avg Throughput
 QUETRA-Last



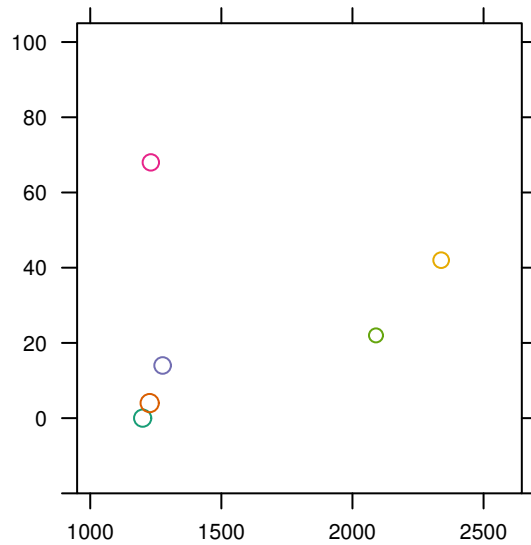
Bitrate (in Kbps)

Profile: 4 , Sample: 1

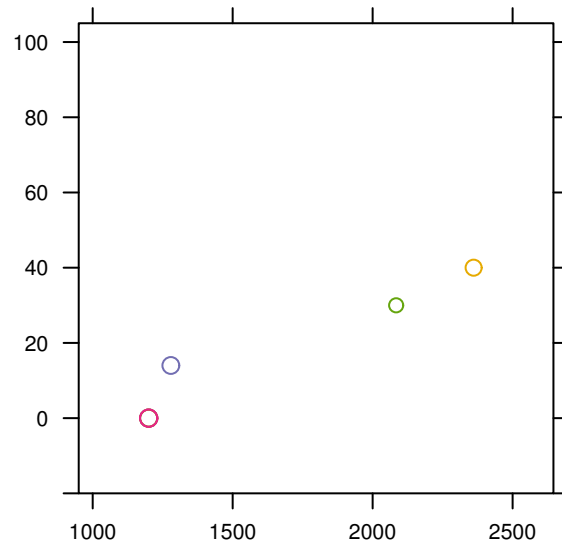
Buffer: 30/60



Buffer: 120



Buffer: 240



BOLA-Last
Buffer Based
ELASTIC-Last
Nearest-Avg Throughput
QUETRA-Avg Throughput
QUETRA-Last

cyan

orange

purple

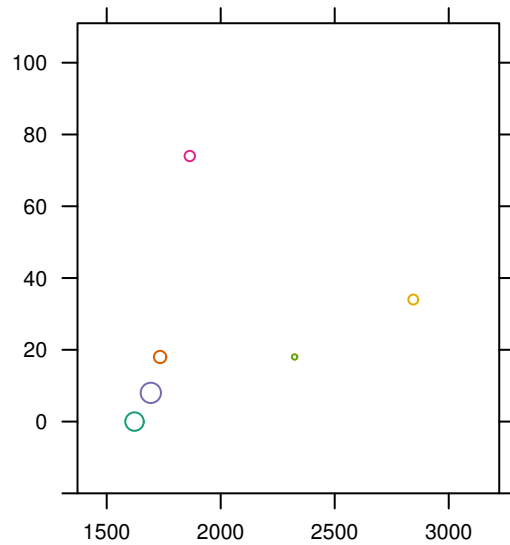
pink

green

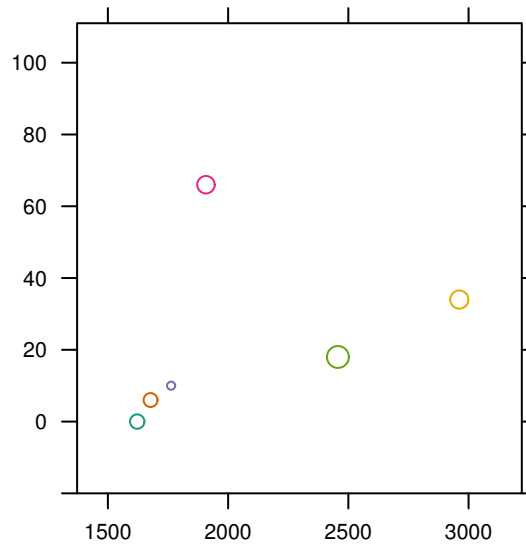
yellow

Profile: 4 , Sample: 2

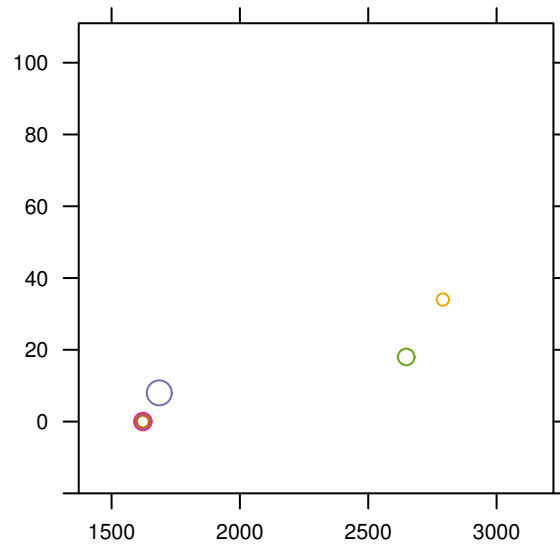
Buffer: 30/60



Buffer: 120



Buffer: 240



BOLA-Last
 Buffer Based
 ELASTIC-Last
 Nearest-Avg Throughput
 QUETRA-Avg Throughput
 QUETRA-Last

teal

orange

purple

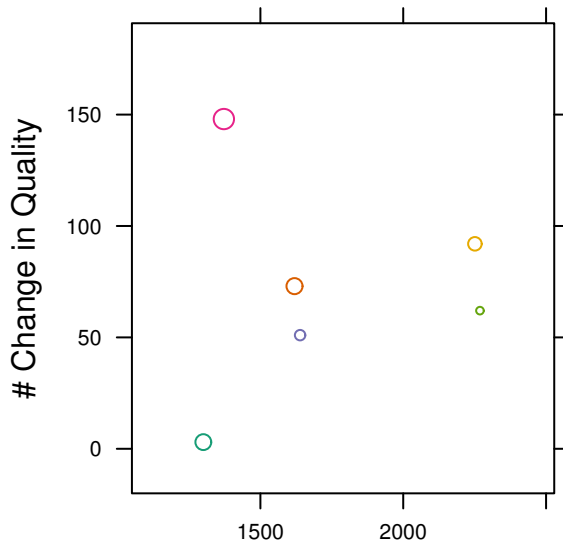
pink

green

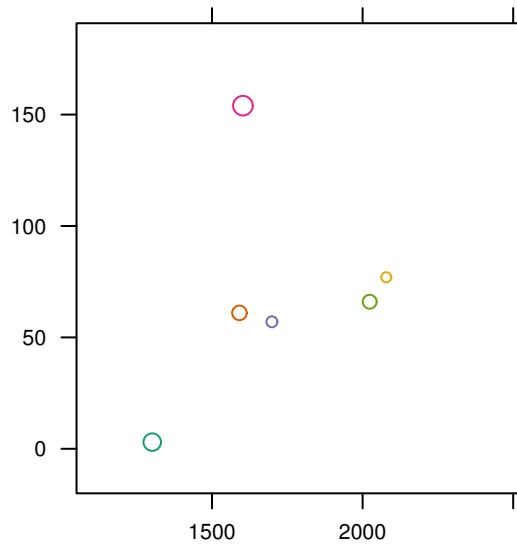
yellow

Profile: 4 , Sample: 3

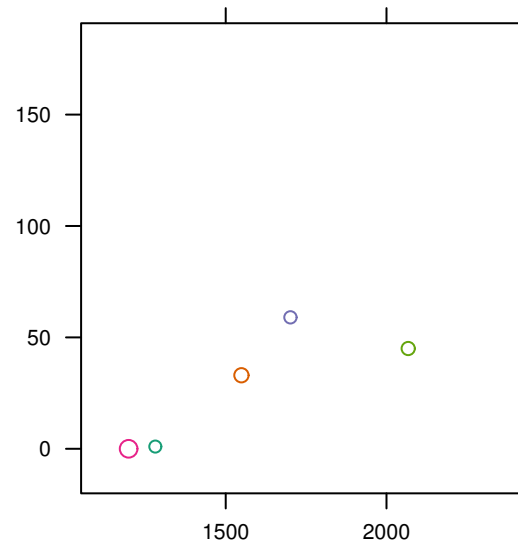
Buffer: 30/60



Buffer: 120



Buffer: 240



BOLA-Last
 Buffer Based
 ELASTIC-Last
 Nearest-Avg Throughput
 QUETRA-Avg Throughput
 QUETRA-Last

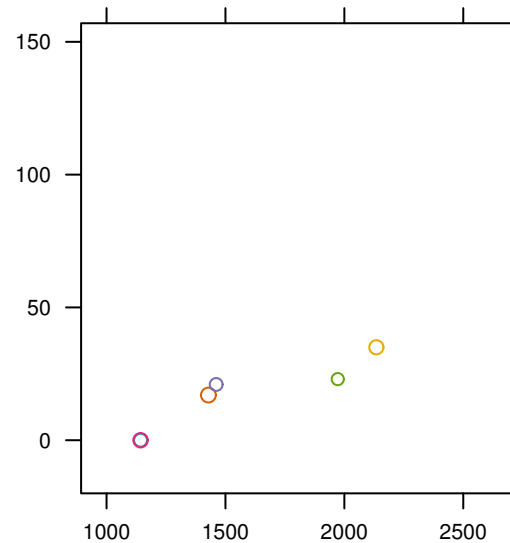
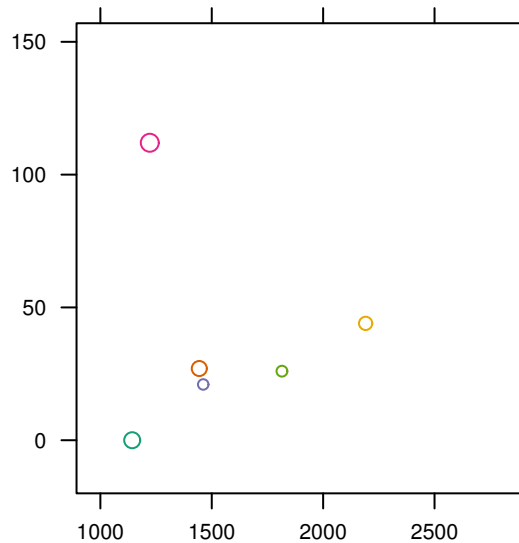
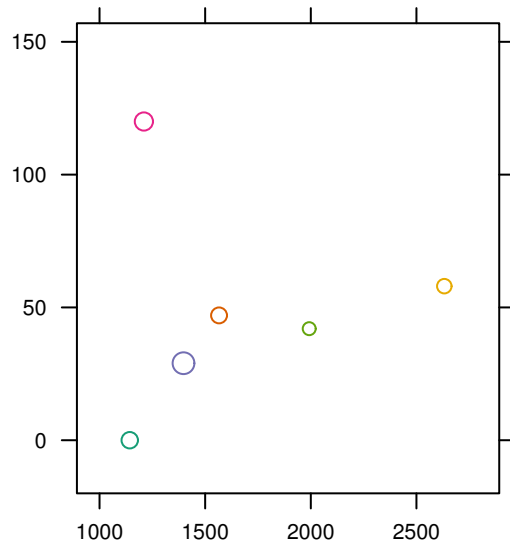


Profile: 4 , Sample: 4
Buffer: 120

Buffer: 30/60

Buffer: 240

Change in Quality



BOLA-Last
Buffer Based
ELASTIC-Last
Nearest-Avg Throughput
QUETRA-Avg Throughput
QUETRA-Last

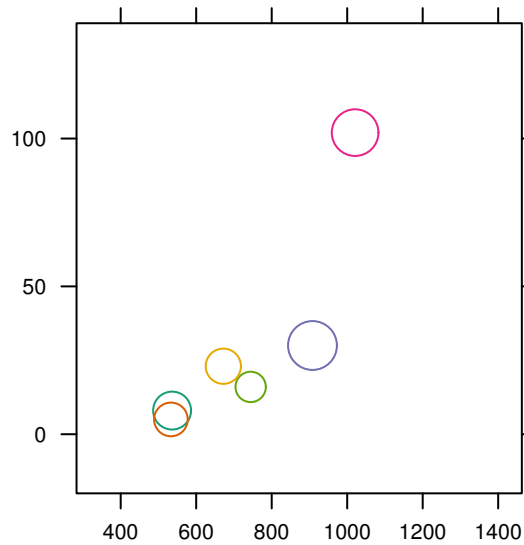
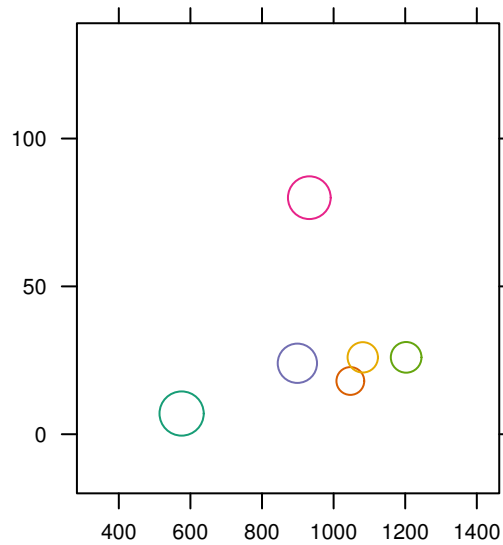


Bitrate (in Kbps)

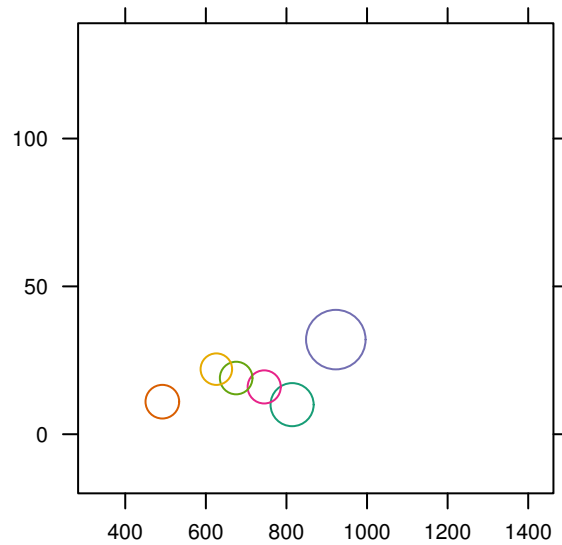
Profile: 4 , Sample: 5
Buffer: 120

Buffer: 30/60

Change in Quality



Buffer: 240

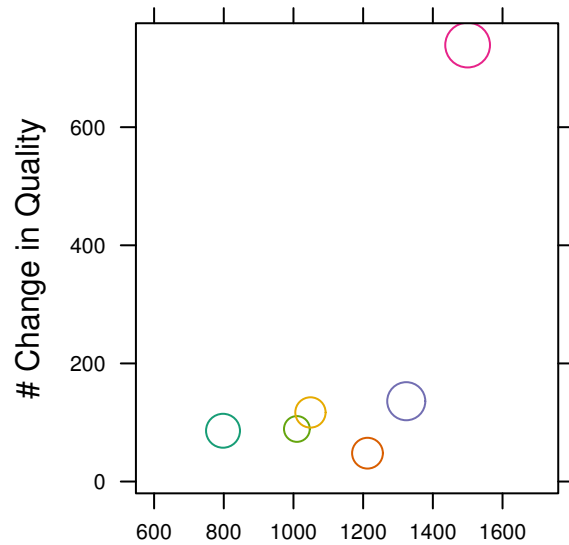


BOLA-Last
Buffer Based
ELASTIC-Last
Nearest-Avg Throughput
QUETRA-Avg Throughput
QUETRA-Last

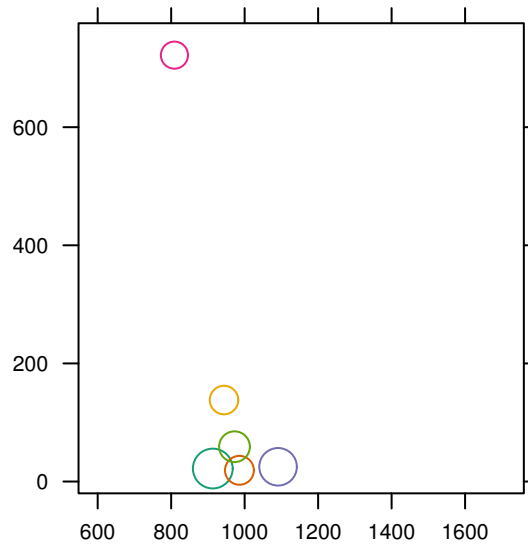


Profile: 4 , Sample: 6

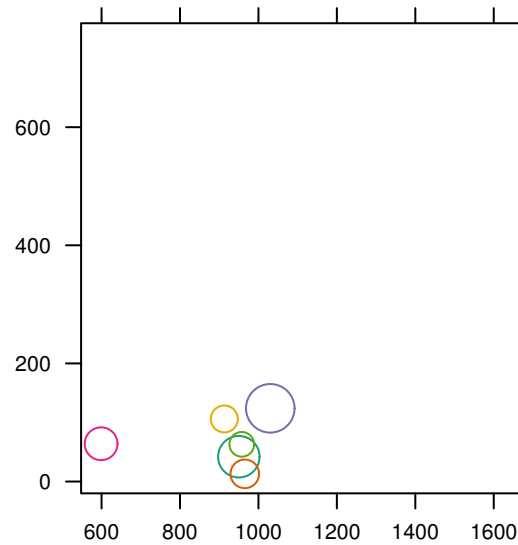
Buffer: 30/60



Buffer: 120



Buffer: 240



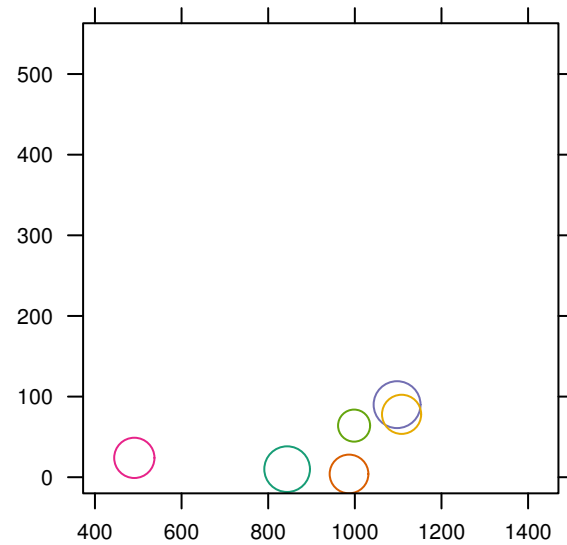
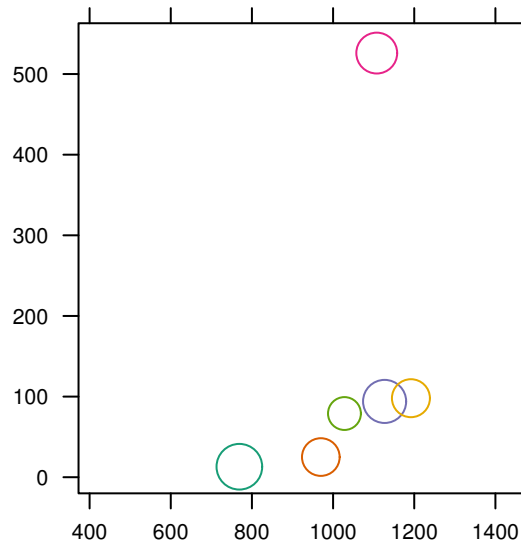
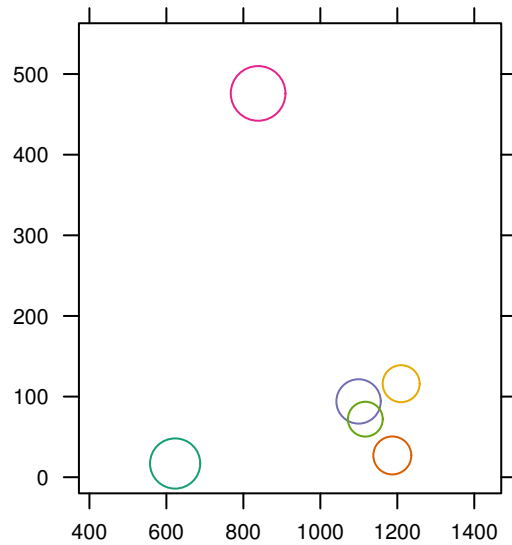
BOLA-Last
 Buffer Based
 ELASTIC-Last
 Nearest-Avg Throughput
 QUETRA-Avg Throughput
 QUETRA-Last



Profile: 4 , Sample: 7
Buffer: 120

Buffer: 240

Change in Quality



BOLA-Last
Buffer Based
ELASTIC-Last
Nearest-Avg Throughput
QUETRA-Avg Throughput
QUETRA-Last

