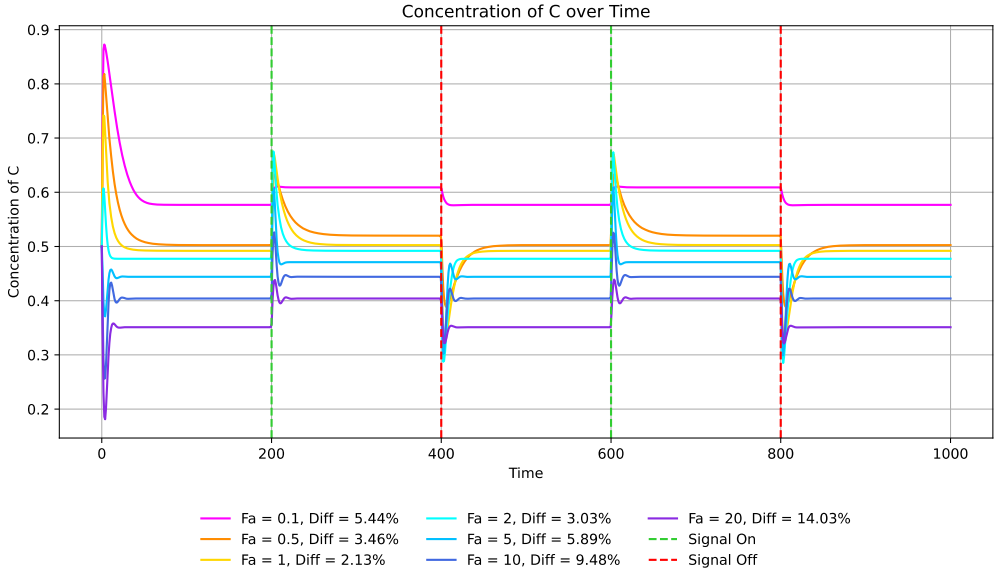
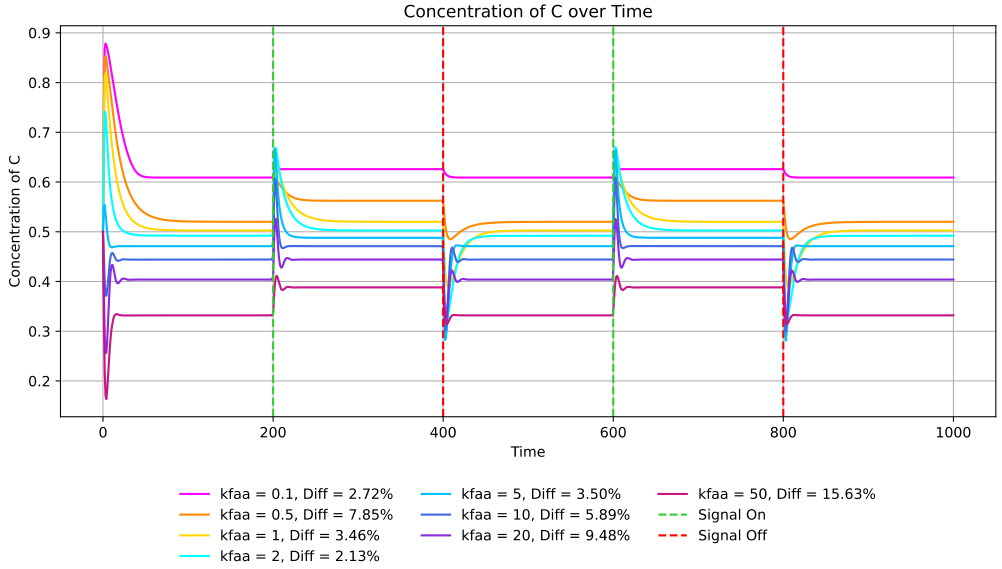
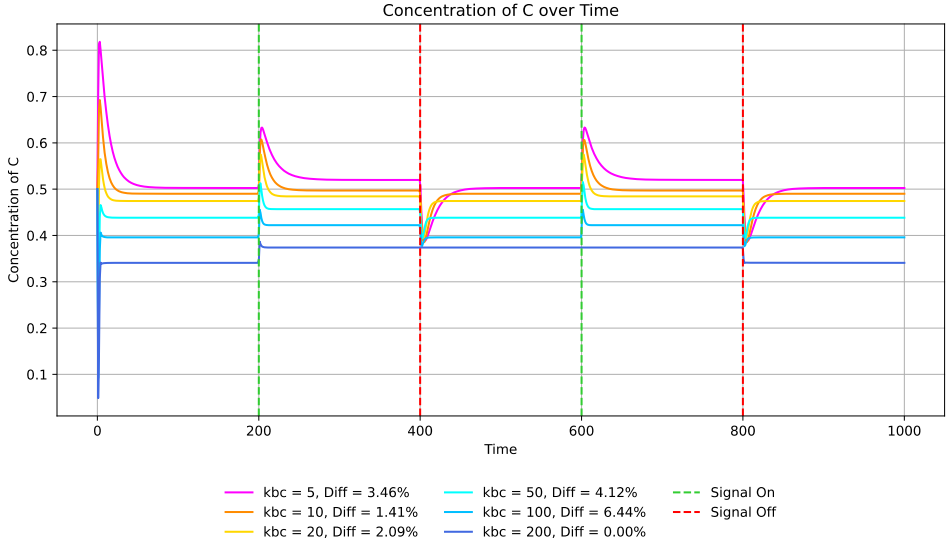
A.


Concentration of C over Time
Concentration of C
Time
Fa = 0.1, Diff = 5.44%
Fa = 0.5, Diff = 3.46%
Fa = 1, Diff = 2.13%
Fa = 2, Diff = 3.03%
Fa = 5, Diff = 5.89%
Fa = 10, Diff = 9.48%
Fa = 20, Diff = 14.03%
Signal On
Signal Off

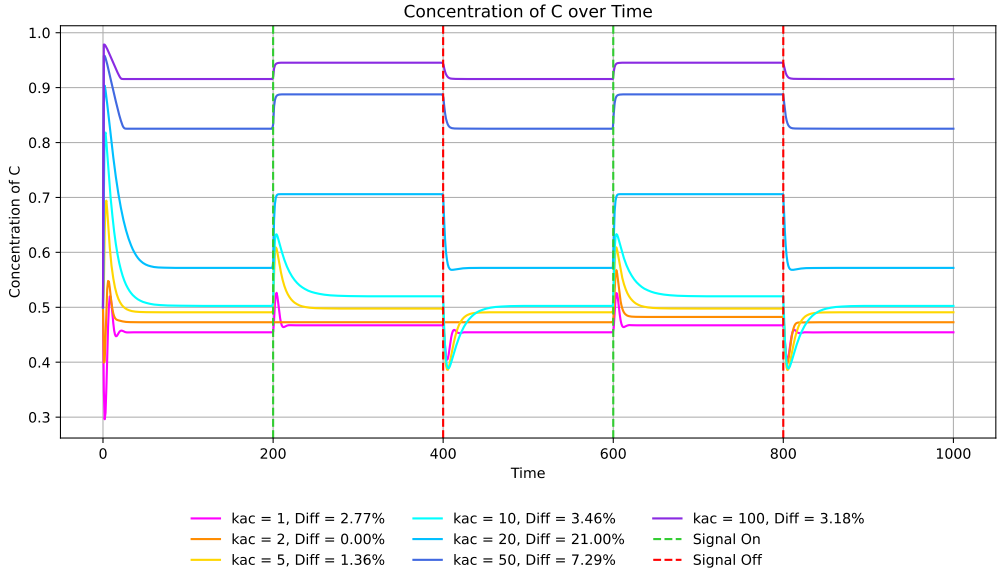
B.


Concentration of C over Time
Concentration of C
Time
kfaa = 0.1, Diff = 2.72%
kfaa = 0.5, Diff = 7.85%
kfaa = 1, Diff = 3.46%
kfaa = 2, Diff = 2.13%
kfaa = 5, Diff = 3.50%
kfaa = 10, Diff = 5.89%
kfaa = 20, Diff = 9.48%
kfaa = 50, Diff = 15.63%
Signal On
Signal Off

C.


Concentration of C over Time
Concentration of C
Time
kbc = 5, Diff = 3.46%
kbc = 10, Diff = 1.41%
kbc = 20, Diff = 2.09%
kbc = 50, Diff = 4.12%
kbc = 100, Diff = 6.44%
kbc = 200, Diff = 0.00%
Signal On
Signal Off

D.


Concentration of C over Time
Concentration of C
Time
kac = 1, Diff = 2.77%
kac = 2, Diff = 0.00%
kac = 5, Diff = 1.36%
kac = 10, Diff = 3.46%
kac = 20, Diff = 21.00%
kac = 50, Diff = 7.29%
kac = 100, Diff = 3.18%
Signal On
Signal Off