BSA concentration calculations

1. Average blank values and subtract the average blank value from the standard and unknown sample values
2. Create a standard curve by potting the 595 nm values (570nm in our case) versus their concentration in ug/mL. Determine the known sample concentration using the standard curve. If the samples were diluted, adjust the final concentration of the unknown samples by multiplying by the dilution factor
3. Convert data from ug/mL to mg/uL
   1. Example: 1000 ug/ml output from BSA
   2. V\_buffer = 350uL, V\_sample = 5uL
   3. **Total Protein**

Chart, line chart

Description automatically generated