With initial values of A = b = tau1 = tau2 = 1

3a – Single exponential fit



3b –bi-exponential fit



3c From the plots above, data set 1 has a better fit with bi-exponential than single exponential. Hence, it is most likely generated from bi-exponential.

For data set 2 and 3, the fit appears to the same, irrespective of the exponential function that was fit in either case. This can be seen from the plot below which show. Data set 2 had 2 fits, but were not the same. Data set 3 had just 1 fit created even after it was run for both cases.

Data set 1 = bi-exponential

Data set 2 = very similar fit for both cases. Would be exponential because adding more fitting parameters only makes a better fit.

Data set 3 = exactly the same fit for both cases

