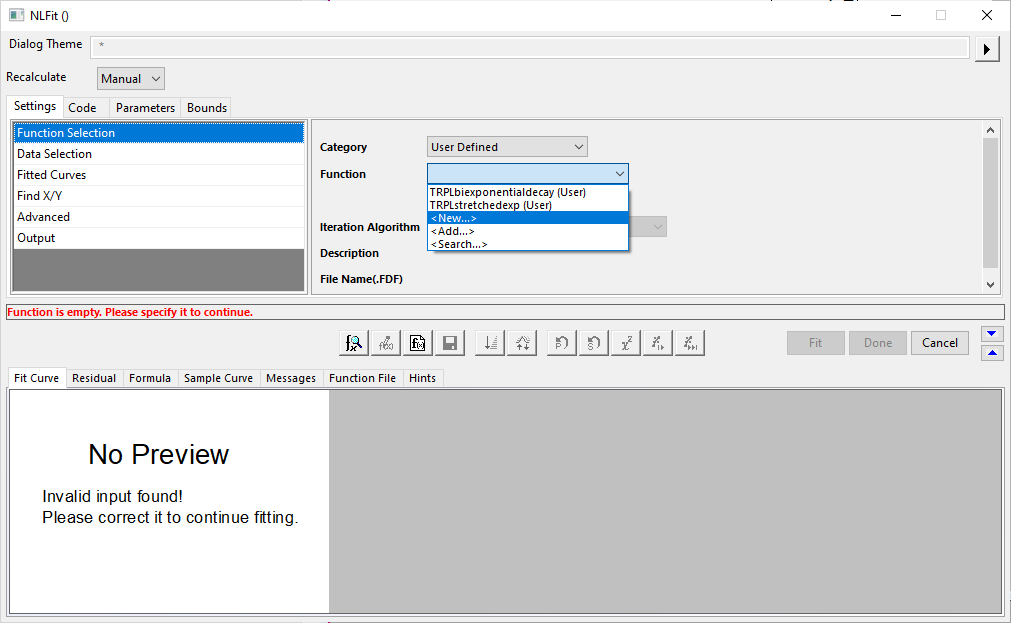
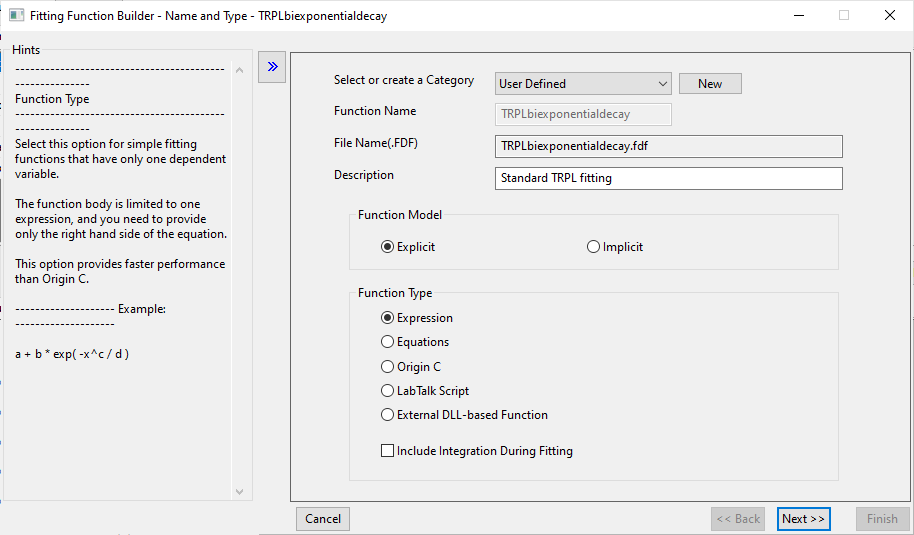
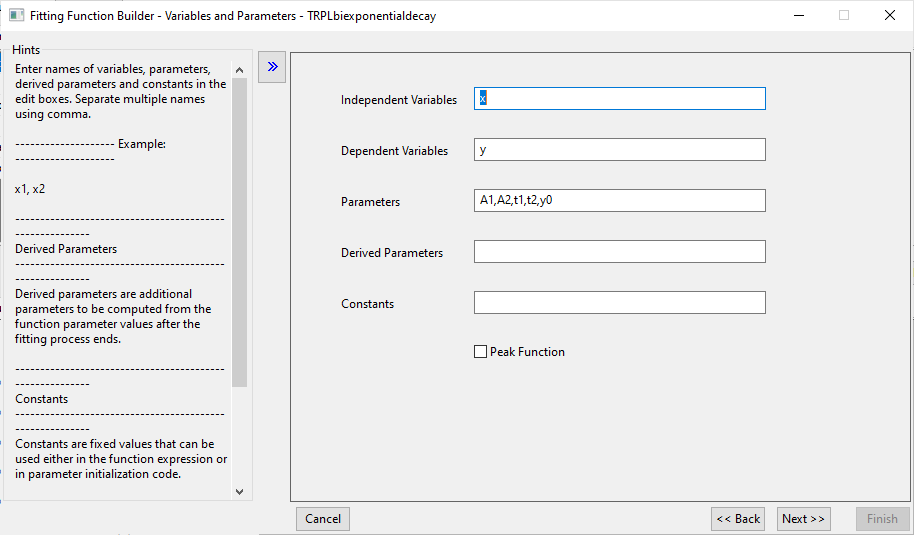


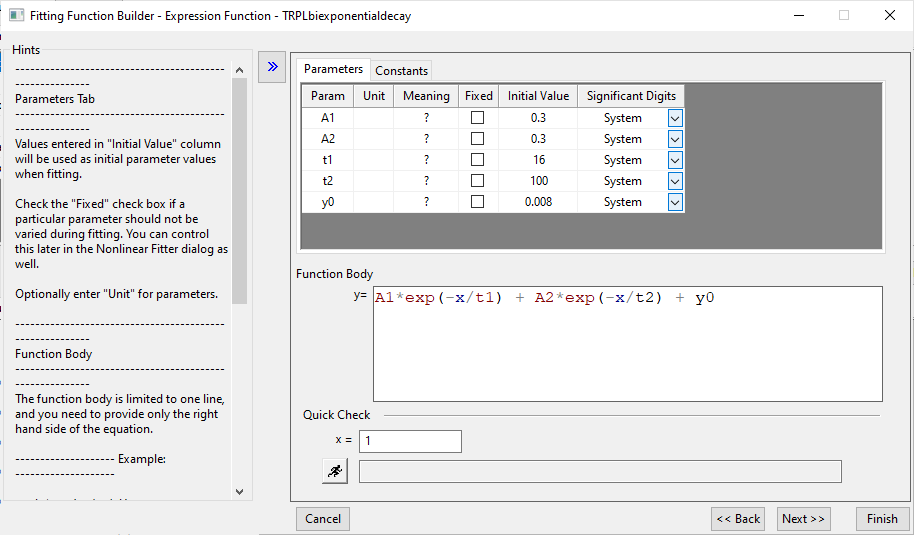
Open the nonlinear curve fit dialog



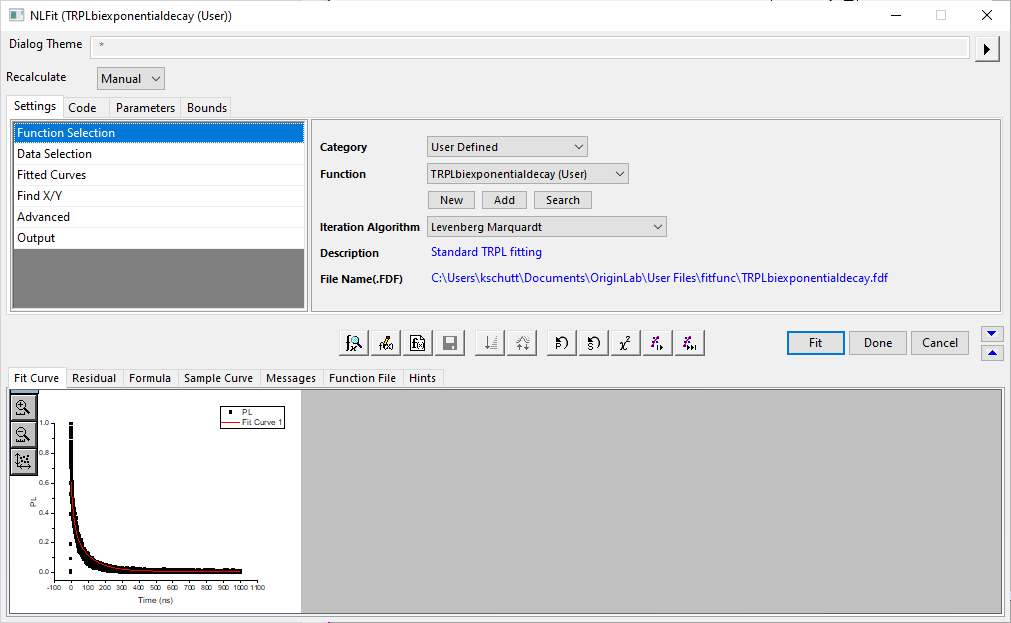
Create a new user defined function

Give your function a name and description

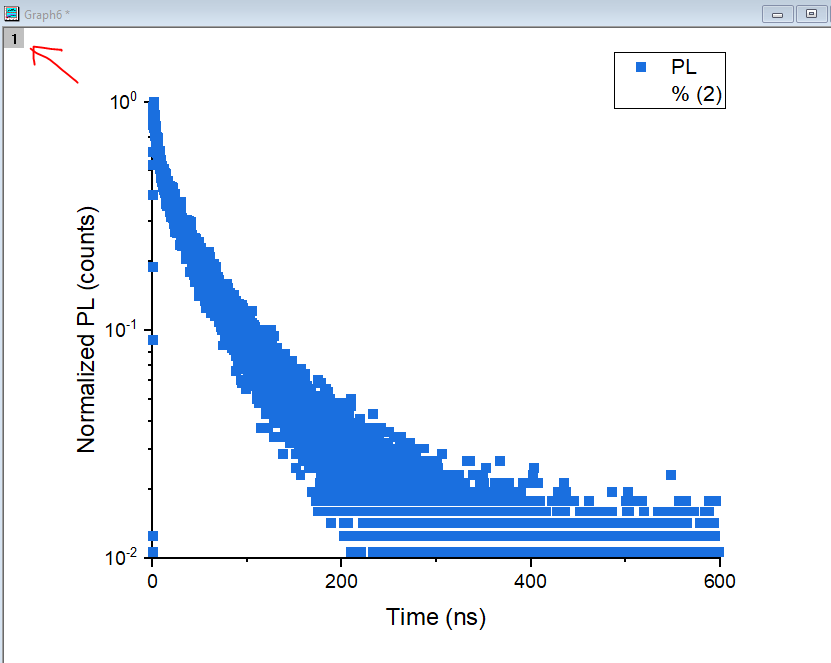
Enter the above variables based on the bi-exponential decay equation below:



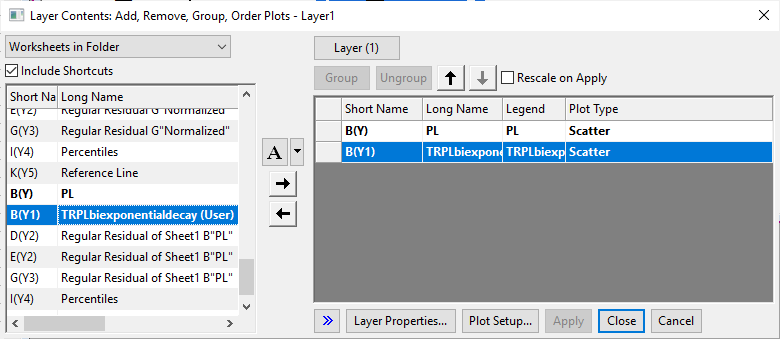
Enter the function body as shown. Sometimes origin will fail to converge on a fit unless you have initial values that are in the ballpark of the needed values (use those shown as a start). Click finish



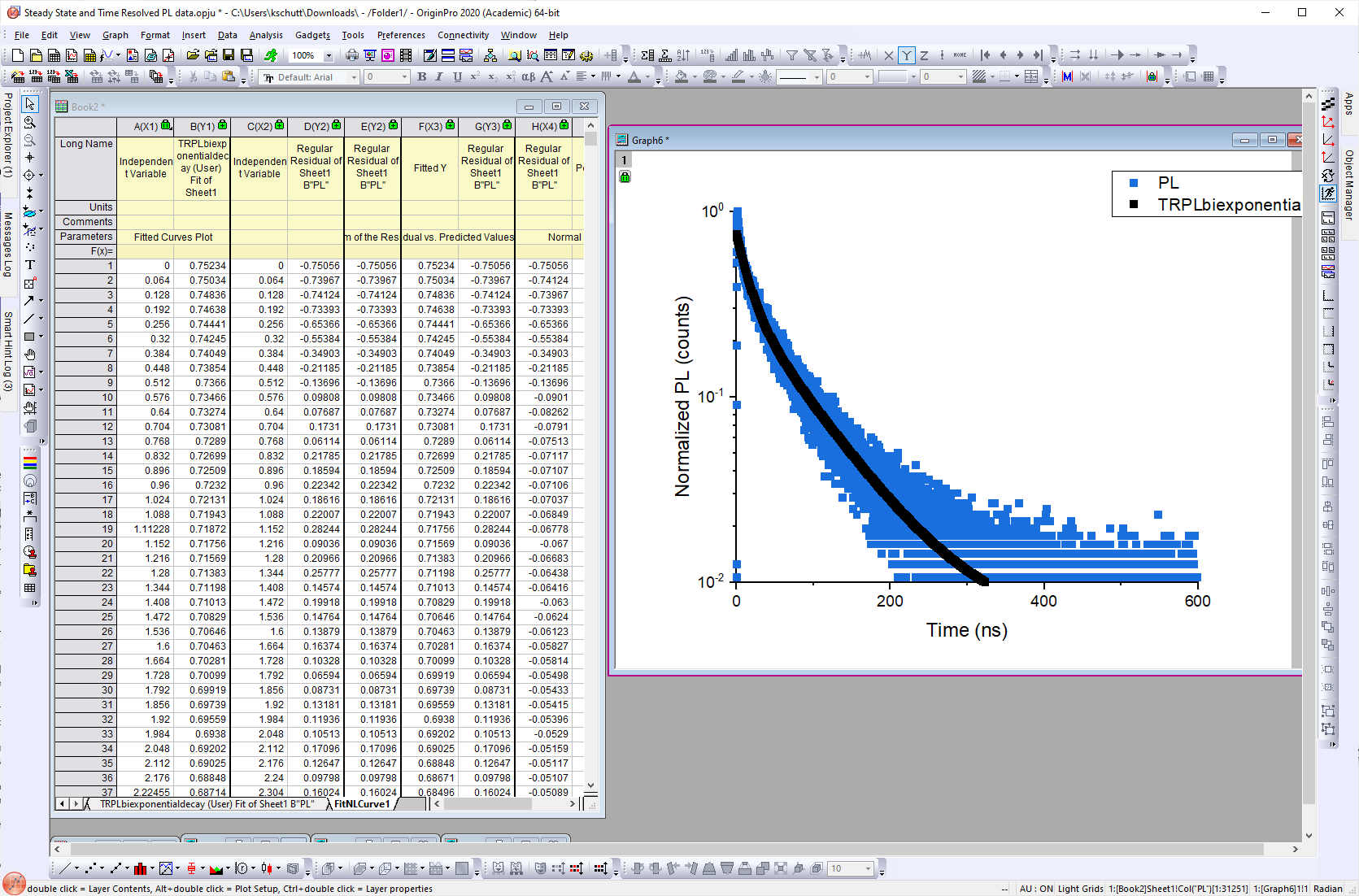
Origin will preview your fit in the lower left. If all works, the red line should match your data reasonably well. Click fit.

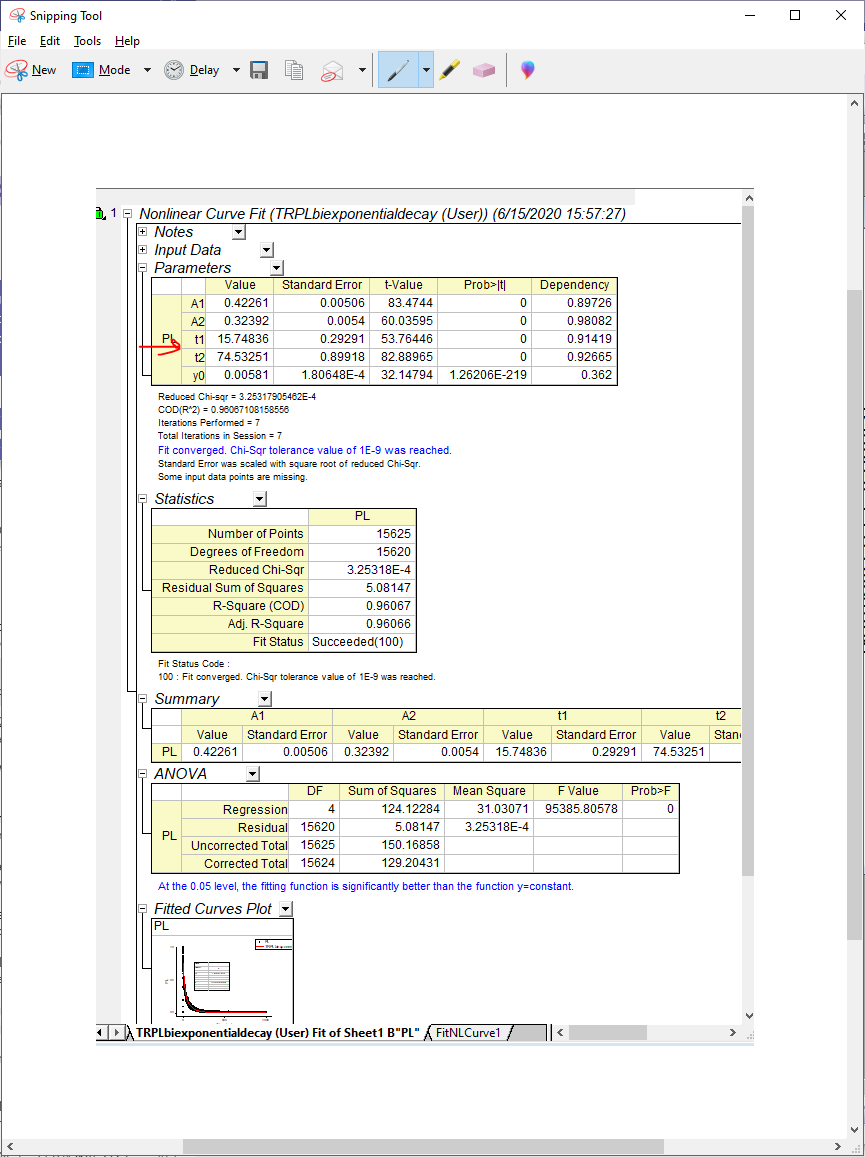


Double click the shaded 1 box



Add your fitted data to the plot





Your fitted t1 and t2 lifetimes are shown in the worksheet 😊