Process to Generate Robust Regression Equations and Corresponding Plots

Load script “PRM regression by individual ions -20181107” into R

Run script using Reverse Curve data in CSV file “Johnson REV TD\_092721”

Intermediate files are automatically generated: “individual\_data.txt”

“Johnson\_045 REV TD 092721.txt”

“Summary\_data.txt”

Plots are also generated: “Johnson\_045 REV TD 092721 regression inputs log10.png” log plot

“Johnson\_045 REV TD 092721 regression inputs.png” linear plot

Using LOD values reported in the “Summary.txt” file, filter forward curve data to remove data below the LOD concentration for each peptide [filtering already performed by Robert Sprung]

Run the R script using the filtered Forward Curve data. Intermediate files and plots are automatically generated as with the reverse curve.