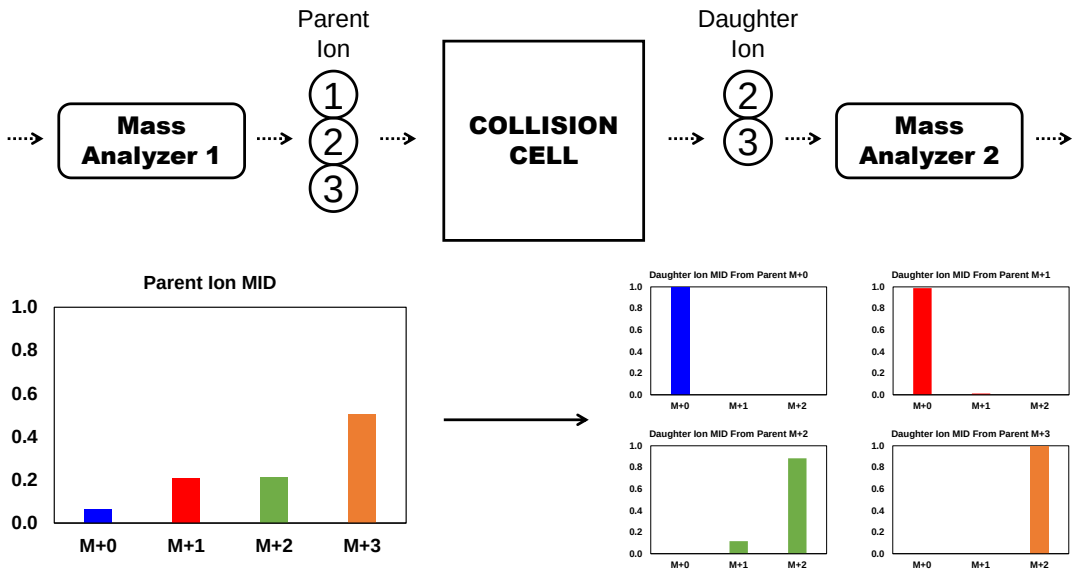

Fig S1. Isotopomer Information Measured by Tandem MS. In tandem MS (MS/MS), analytes pass through two mass analyzers in series. The first analyzer selects for a specific mass of a parent ion, which is subsequently fragmented in a collision cell to generate daughter ions with various masses. The interpretation of the parent ion MID along with the corresponding daughter ion MIDs provides richer information on the labeling state than single MS. Incorporating tandem MS measurements can thereby improve the quality of flux estimates obtained from MFA or inst-MFA.