As you can see there are 6 different measurements from our first molecule of interest, that are all correctly analysed as MS^3.

Using our established HPLC-MS Method, our 2nd molecule of interest has been correctly analysed as a MS^2 measurement.
As you can see here, using our new HPLC-MS method skyline detects our 2\textsuperscript{nd} molecule of interest, but it falsely assumes we've measured it in MS\textsuperscript{3}. 