



Figure above shows a peptide with 4 amino acids. The cleavage can happen at different positions. If the charge remains on the N terminal fragment, the ion is named as either **a**, **b** or **c**. If the charge remains on the C terminal fragment, the ion type is either **x**, **y**, or **z**. The cleavage of the peptide bond is very common for a CID process. In the MS/MS spectrum, most ions are detected as **y** and **b** ions.