

isotopic molecular ion

A molecular ion containing one or more of the less abundant naturally occurring isotopes of the atoms that make up the molecular structure. Thus, for ethyl bromide there exist isotopic molecular ions such as: $^{13}\text{CCH}_5\text{Br}^+$, $\text{C}_2\text{H}_4\text{DBr}^+$, $\text{C}_2\text{H}_5\text{}^{81}\text{Br}^+$, $^{13}\text{C}_2\text{H}_5\text{}^{81}\text{Br}^+$, etc.

Source:

PAC, 1991, 63, 1541 (*Recommendations for nomenclature and symbolism for mass spectroscopy (including an appendix of terms used in vacuum technology). (Recommendations 1991)*) on page 1549