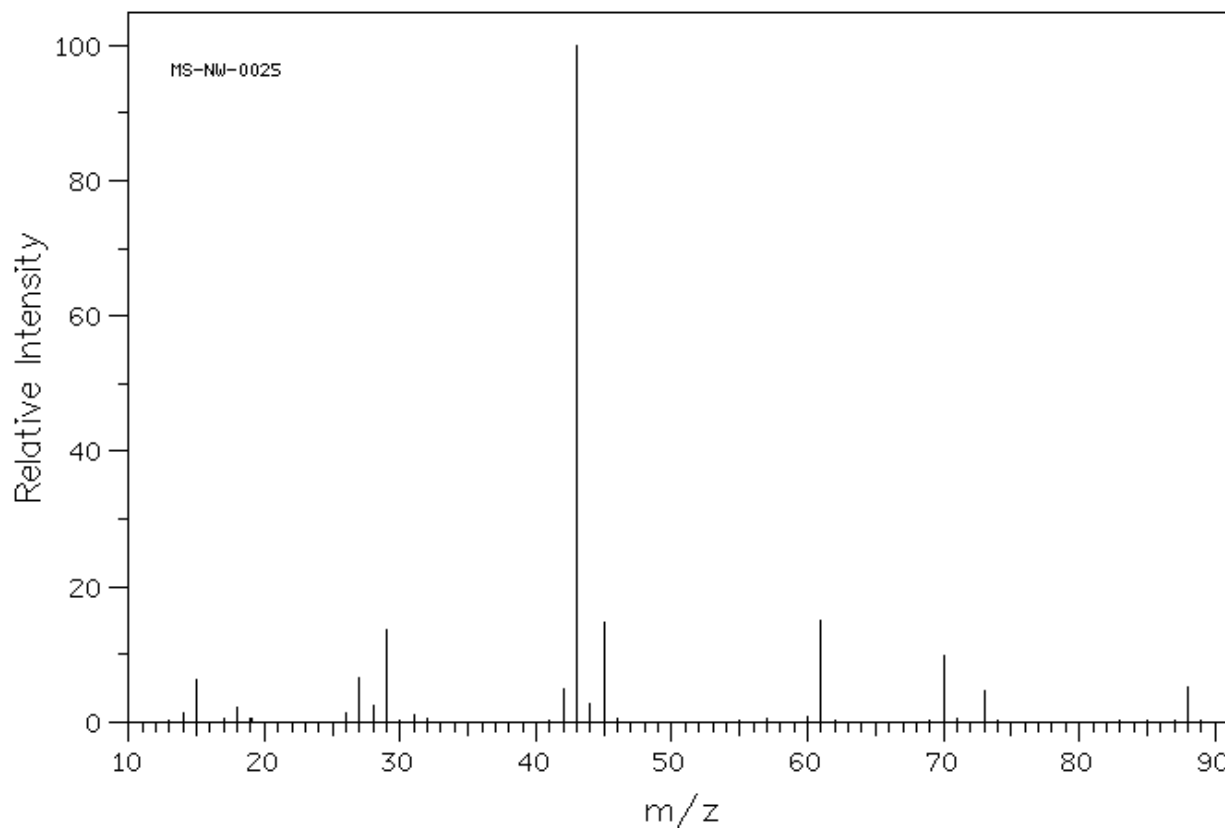


Organic Chemistry II

CHM 224

Consider the mass spectrum, below, of an ester (contains only C, H and O).



molecular ion

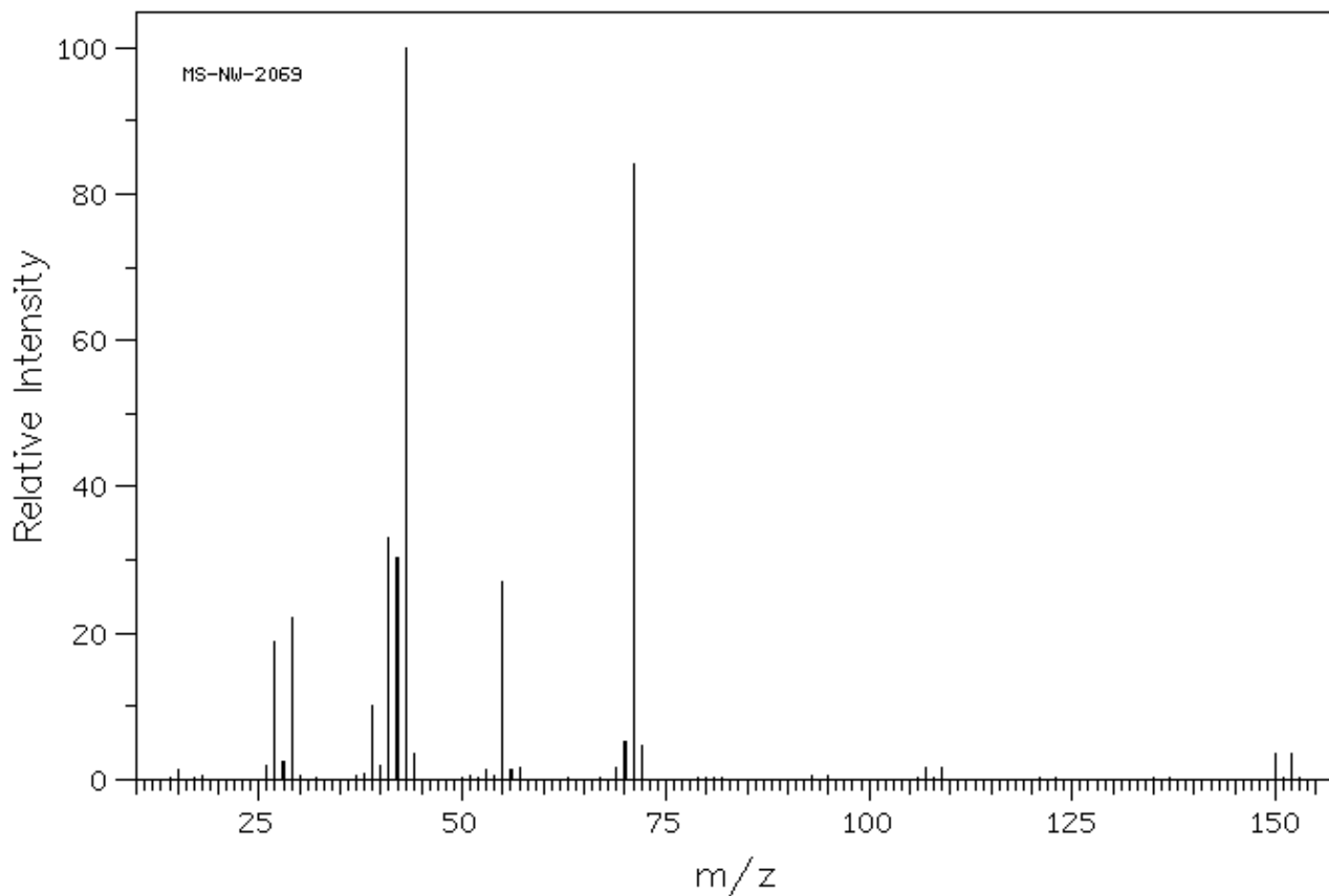
base peak

molecular formula

degree of unsaturation

Identify the organic molecule from the information given in the spectrum

What fragment is represented by the peak at 43 (m/z)?



molecular ion

base peak

molecular formula

degree of unsaturation

Identify the organic molecule.

What fragment is represented by the peak at 45 (m/z)?

What is the most common/abundant fragment?