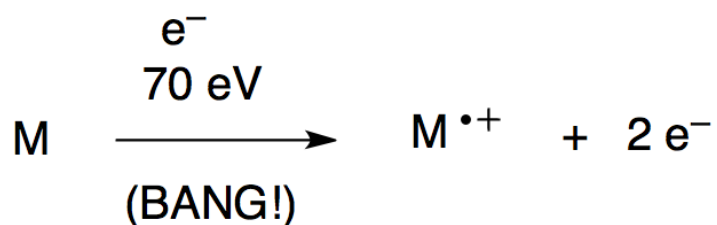


Mass spectrometry

- Electron impact Mass spectrometry

Bombard your molecules with high energy electrons



- 70 eV = 1614 kcal/mol
 - contrast with energy from IR (1-10 kcal/mol) or NMR (0.2 cal/mol)
 - typical C-C bond = 100 kcal/mol
- Point: lots of energy in play here
 - you can eject electrons, break bonds, etc.