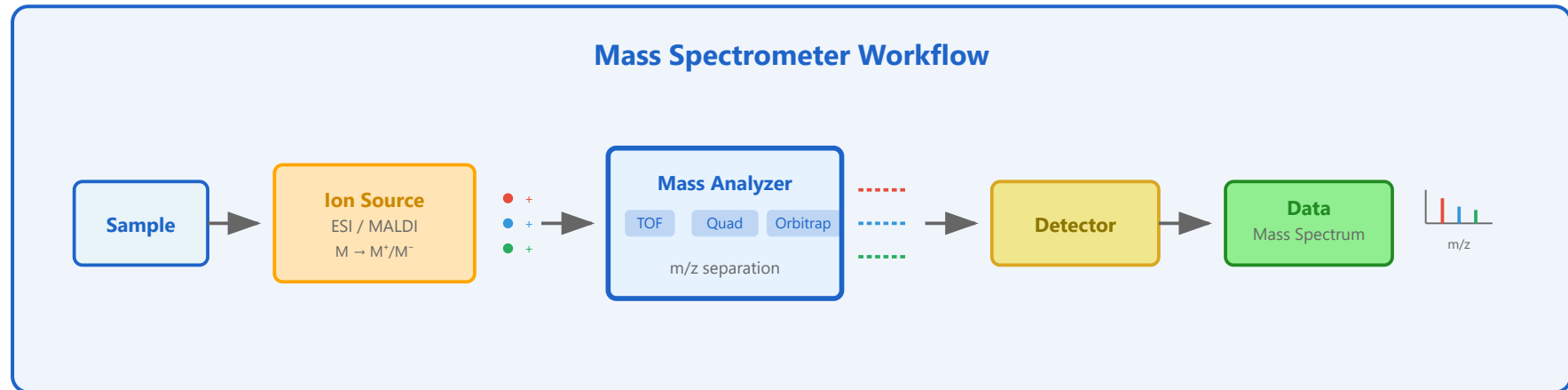


Mass Spectrometry Basics



Ionization Methods



Mass Analyzers

TOF: Time-of-flight, fast
Quadrupole: Selective, robust
Orbitrap: High resolution
Ion Trap: MSⁿ capability

Tandem MS (MS/MS)



Proteomics workflow essential.

Resolution & Accuracy

Resolution: Distinguishes isotopes
Accuracy: <5 ppm for Orbitrap
Dynamic range: 10⁴-10⁶