







Summary of Mass analyzers					
	Quadrupole	lon trap	Time-of- Flight	Magnetic Sector	Fourier Transform
Resolution	Low	Low, can operate higher	Moderate - high	Moderate- High	High (up to 500,000)
Mass Range	50-2,000 u	2,000 u	Unlimited	20,000u	>15,000u
Scan Speed	4,000 u/sec max	4,000 u/sec	Very Fast	Slow	Fast (1 millisecond
Vacuum Require- ment	Minimal: 10 ⁻ ⁴ 10 ⁻⁵	Low: 10 ⁻³ torr	High: 10 ⁻⁷ torr or higher	High: 10 ⁻⁷ torr	High
Common LC/MS interfaces	ES, APCI, PB, TS	ES, APCI	ES, APCI	ES, APCI, PB, TS, CFFAB	ES, APCI





































































