

Mass and Abundances of Common Electrospray Cationisation Reagents

Atomic Number	Name	Symbol	Mass of Atom (u)	Mass of Ion (u)	% Abundance
1	Hydrogen	¹ H	1.007825	1.007276	99.9885
	Deuterium	² H	2.014102	2.013553	0.115
3	Lithium	⁶ Li	6.015122	6.014574	7.59
		⁷ Li	7.016004	7.015455	92.41
11	Sodium	²³ Na	22.989770	22.989221	100
19	Potassium	³⁹ K	38.963707	38.963158	93.2581
		⁴⁰ K	39.963999	39.963450	0.0117
		⁴¹ K	40.961826	40.961277	6.7302
37	Rubidium	⁸⁵ Rb	84.911789	84.911241	72.17
		⁸⁷ Rb	86.909183	86.908635	27.83
47	Silver	¹⁰⁷ Ag	106.905093	106.904544	51.839
		¹⁰⁹ Ag	108.904756	108.904207	48.161
55	Cesium	¹³³ Cs	132.905447	132.904898	100

To calculate the mass of a compound that has been measured by electrospray subtract the mass of the cation that provided the electrospray charge.