Supplemental Material

Electrospray-assisted Laser Desorption Ionization Mass Spectrometry (ELDI-MS) with an Infrared Laser for Characterizing Peptides and Proteins

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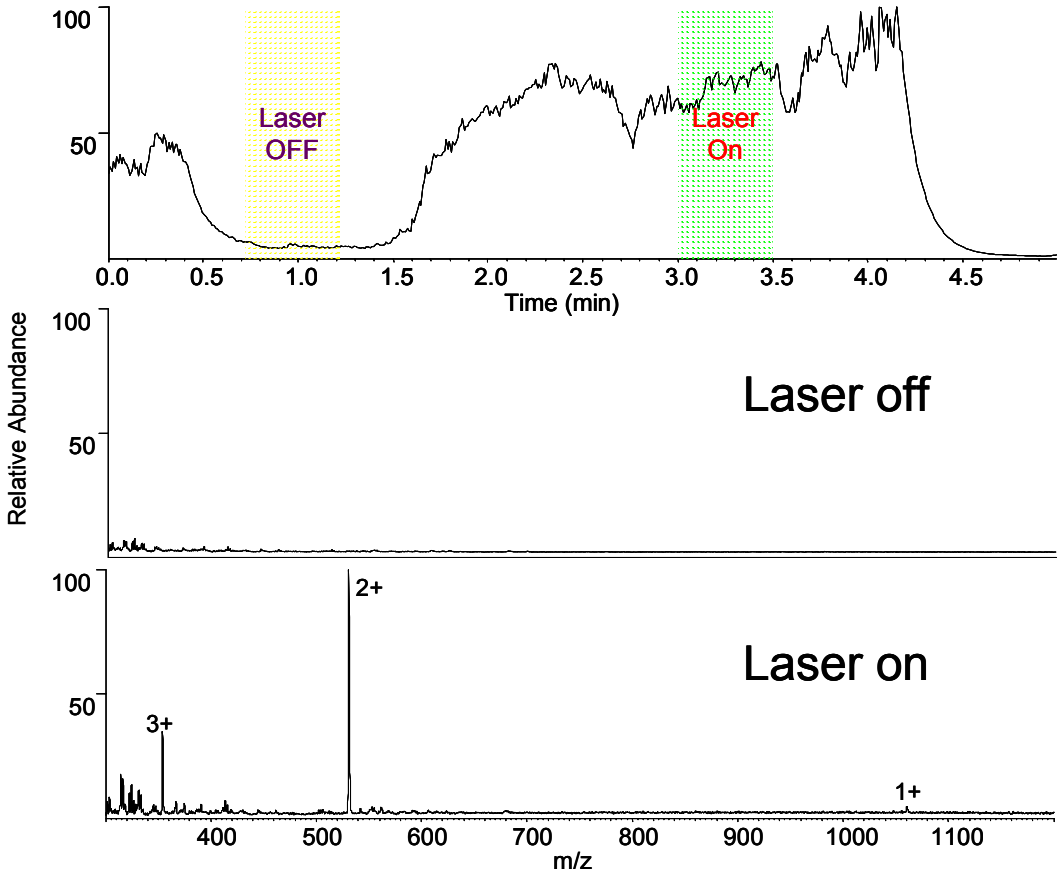
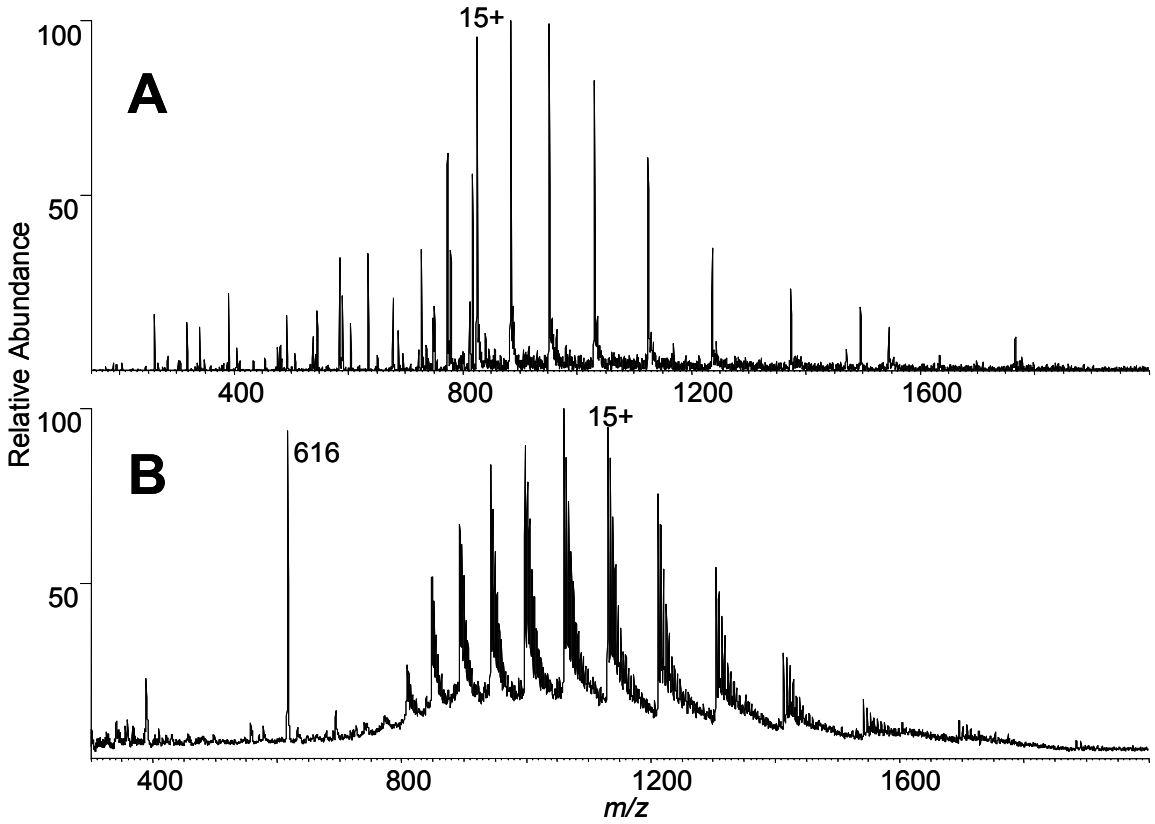
The Analyst



Supplemental Figure 1. IR-ELDI-MS of peptide bradykinin. The total ion chromatogram for a 5-min IR-ELDI-MS experiment is shown in the top panel. The IR-laser was turned off during the periods 0.5-1.6-min and after 4.3-min, and the laser was turned on during 0-0.5-min and 1.6-4.3-min. The electrospray was on continuously during the entire period of the experiment. Representative mass spectra during the laser "off" period (middle panel) and laser "on" period (bottom panel) are shown.



Supplemental Figure 2. IR-ELDI mass spectra of (A) 12 kDa equine heart cytochrome *c* and (B) 17 kDa equine heart myoglobin.