Electronic supplementary information for PCCP

Photodissociation of bromine-substituted nitroimidazole radiosensitizers

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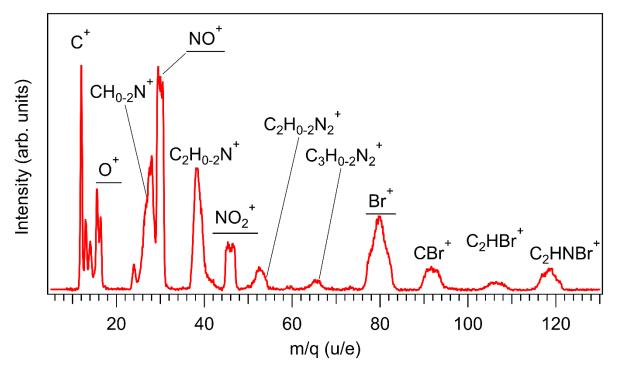
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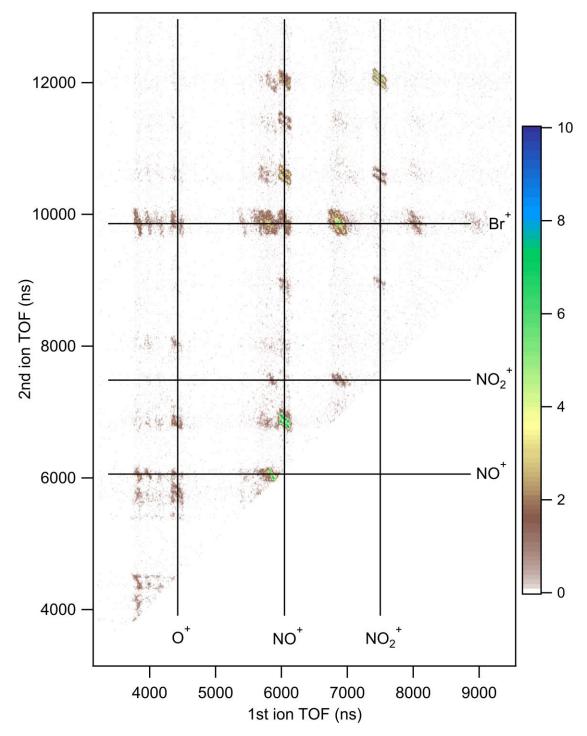
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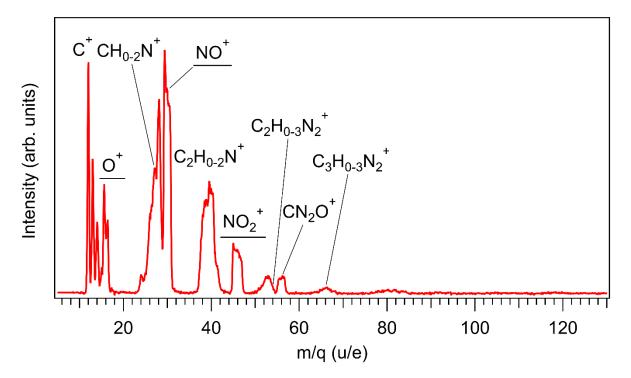
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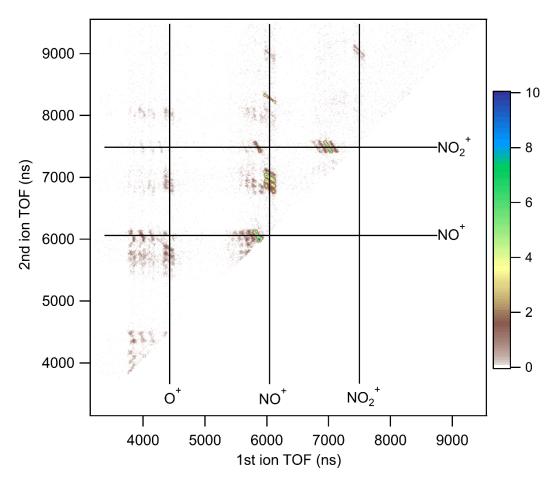
S 1 A TOF spectrum from the C 1s PEPIPICO experiment of 4Br5NIM. A false coincidence background has been removed and the flight times have been converted to mass-to-charge ratio scale.



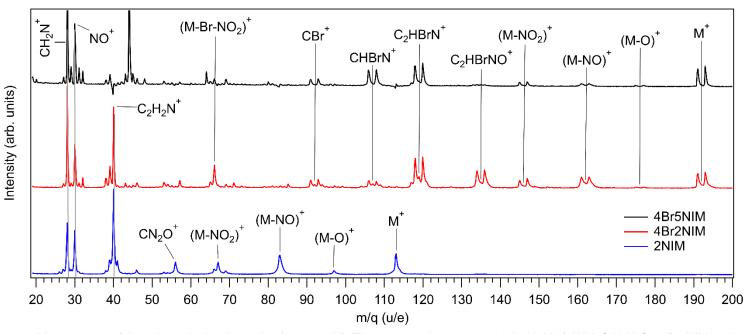
S 2 A PIPICO map of 4Br5NIM from C 1s PEPIPICO experiment.



S 3 A TOF spectrum from the C 1s PEPIPICO experiment of 2NIM. A false coincidence background has been removed and the flight times have been converted to mass-to-charge ratio scale.



S 4 A PIPICO map of 4Br5NIM from C 1s PEPIPICO experiment.



S 5 Mass spectra of the valence ionized samples (hv = 30 eV). The parent cations are marked with M^+ (2NIM: C₃H₃N₃O₂; 4Br2NIM and 4Br5NIM: C₃H₂BrN₃O₂) and the parent peaks are normalized to the same area. Peaks at m/q = 28 u/e likely contain fragments from the samples and rest gas (N_2^+). The TOF spectrum of 4Br5NIM was cross-contaminated by 2NIM, and consequently the spectrum of 2NIM was subtracted from it. The intense peak at 44 u/e in the 4Br5NIM spectrum is suspected to be a contamination.