

ARC Isotope™

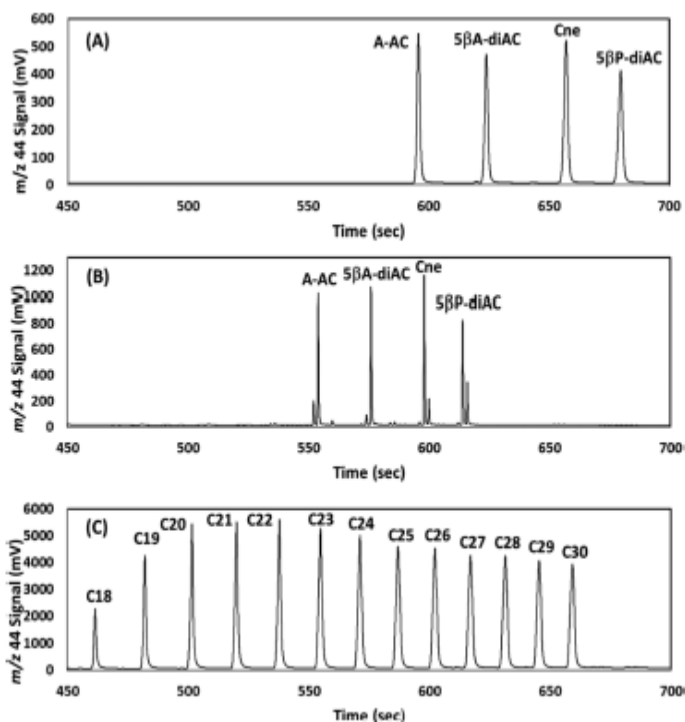
The World's First Low Temperature Combustion Reactor for GCC-IRMS



Benefits include:

- ✓ Lower operating temperature
- ✓ Reduced complexity
- ✓ Improved robustness

Winner of The Analytical Scientist Innovation Awards in 2018, the ARC Isotope was developed for low temperature combustion of steroids and hydrocarbons for carbon isotope measurements. The system easily integrates into existing instrumentation and exceeds the performance of conventional combustion reactors.



GCC-IRMS chromatograms of steroids and alkanes using the ARC Isotope (pictured to the left) show similar performance to legacy reactors. Data courtesy of Tobias, H.J., et al., *Anal Chem.*, 2019, 91, 4, 2901-2907.

