

ARC Isotope™

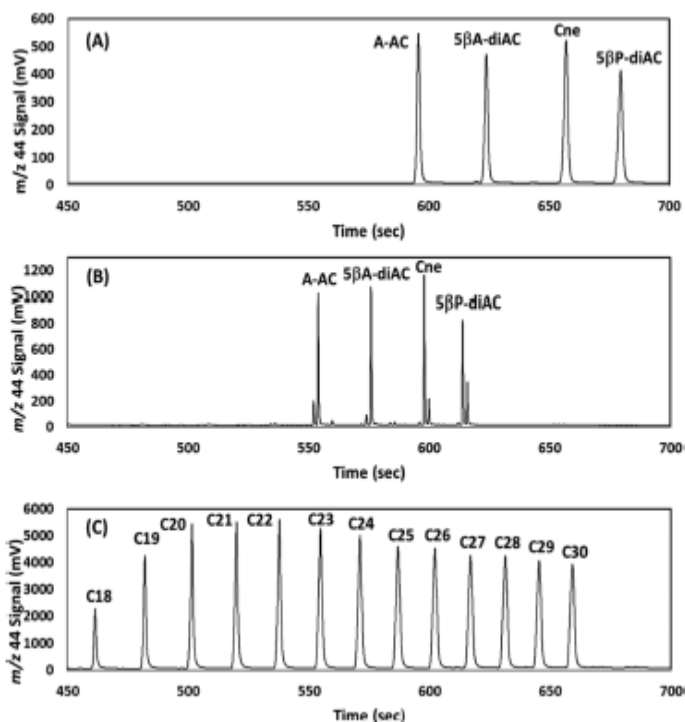
The World's First Low Temperature Combustion Reactor for GCC-IRMS



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.](#)

