

MRR for Deuterated Compound Analysis

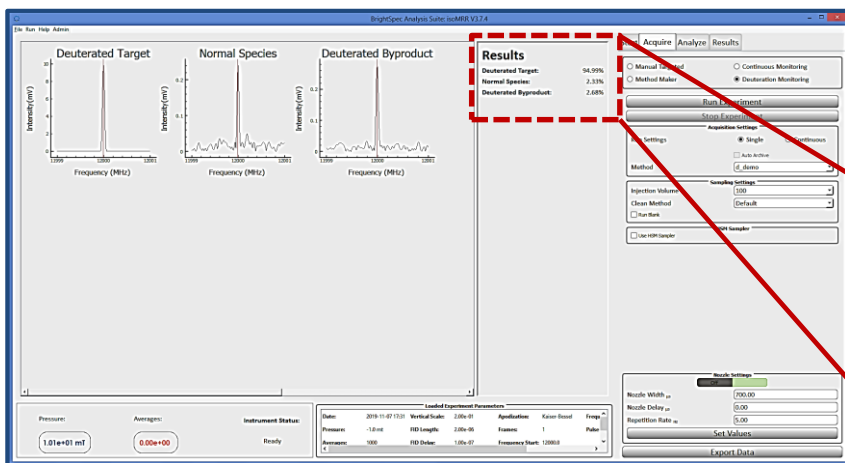


Molecular Rotational Resonance (MRR) spectroscopy unambiguously resolves isotopologues and isotopomers from differences in their moments of inertia, enabling the precise site-specific determination of deuteration in mixtures.

Features:

- Pre-loaded methods for your compounds of interest
- Simple operation
- Fast response time (<10 minutes)
- No deuterated standards

Unambiguous Isotopic Purity



Deuterated Byproduct:
Product's Isotopomer
of *Identical* Mass

Results

Deuterated Target:	94.99%
Normal Species:	2.33%
Deuterated Byproduct:	2.68%

Applications Include:

- Deuteration reaction monitoring
- Raw material isotopic purity
- Deuterated metabolites
- Discovery and process development
- Stability testing
- QA/QC

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