Quantitative MR

● Solutions for Your Success

Bruker offers all you need for quantitative magnetic resonance. From academic, to pharma, to chemical and advanced materials users, we make you successful by enhancing your productivity and expanding the range of NMR and EPR applicatiions.

When you are interested in:

■ Absolute concentrations (mM)
■ Potency and purity determination (%)

When you work

■ In full automation or manually
■ With internal standards or external references
■ In high throughput mode or with single samples
■ With NMR or EPR

Innovation with Integrity

qMR

What problems can we solve?

By nuclear magentic resonance

- Concentration determination of a single compound – automatically or manually, using internal or external references
- Determination of the purity / potency of a compound - manually or fully automatic
- Quantification of different compounds in mixtures, where the purity of the main compound needs to be determined next to few impurities (manually or fully automatic)
- Relative quantification of compounds in a mixture for quality assurance purposes run in automation or manually
- Concentration determination of compounds in a complete compound library (e.g. for following drug affinity screening) in full automation
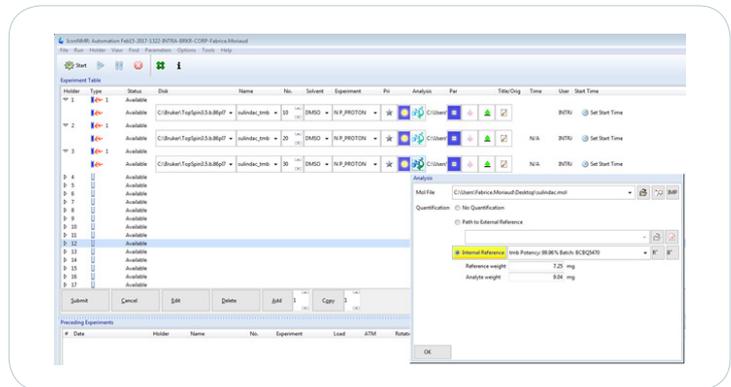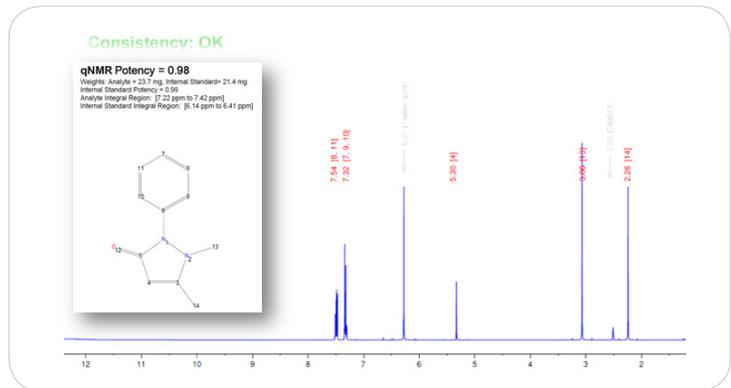
By electron paramagnetic resonance

- Total concentration and identification of radicals
- Component concentrations and identification
- Concentration of radicals in solids and liquids
- Concentration of radicals at any sample temperature

EPR Spectrum

● **Bruker BioSpin**
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