**Mnova** is NMR and LC/GC/MS data processing, simulation, prediction and analysis software. **Mnova** is the natural evolution of a very popular application **MestReC**.

**Mnova** is multipage, multivendor, multi-technique and multiplatform analytical chemistry software suite designed as a container for NMR & MS plugins.

The **Mnova Suite is graphical user interface (GUI) wherein all the Mnova Plugins run**. This shared interface and its automation abilities allow users to optimize their learning curve and workflows by combining different techniques in the same application.

**Mnova NMR**

1. Ability to perform peak picking, integration & multiplet analysis.
2. Take advantage of displaying spectra by peak type. i.e. compound peaks only or ‘solvent+impurity’ peaks only.
4. Intelligent peak pick algorithm.
5. Layout template (complete automation).

**Mnova MS**

1. Elementary composition of peaks in m/z spectrum.
2. Capability to show mass spectra in profile mode.
3. Mol Match with several alternatives adducts.
4. Detection of UV/ visible spectrum in DAD chromatogram.

**Mnova NMR Predict**

1. Prediction of 1H, 13C & X-nuclei (15N, 17O, 19F, 29Si, 31P, 11B), also HSQC.
2. Auto-assignment 1H (1D & 2D) & 13C.
3. Visualize HMBC, ROESY and NOESY’s connectivities in the molecule structure and use expandable labels.
4. Comparison of predicted with experimental.

**Mnova Verify**

1. Full processing and analysis of 1D& 2D NMR experimental data.
2. Full processing and analysis of LC/GC MS data (if available).
3. Generation of theoretical data for the proposed structures.
4. Comparison of experimental with theoretical data.
qNMR (Quantitative NMR)

Automatic calculation of concentration and purity.