

# MSight: an LC-MS image analysis software



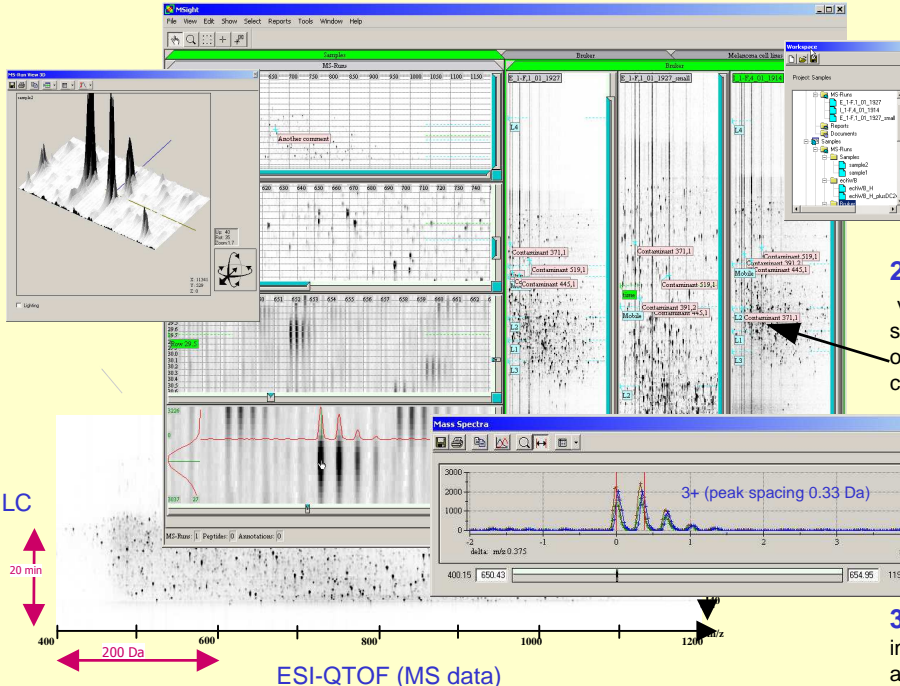
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MSight is a tool to construct, manipulate and analyse images from liquid chromatography (LC) and mass spectrometry (MS) experiments. It provides:

## 1. Image navigation:

easy and fast navigation through very large volumes of data



## 2. Experiment monitoring:

visualization of the quality of the separation, the presence of artefacts or contaminants, and of mass calibrators

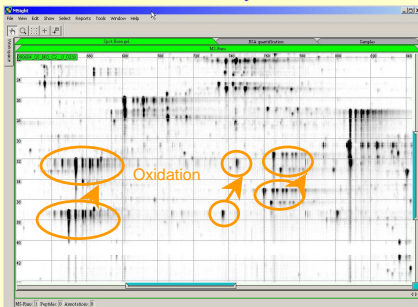
## 3. Spectra analysis:

improvement of the reliability of MS analysis by the use of redundancy in consecutive mass spectra

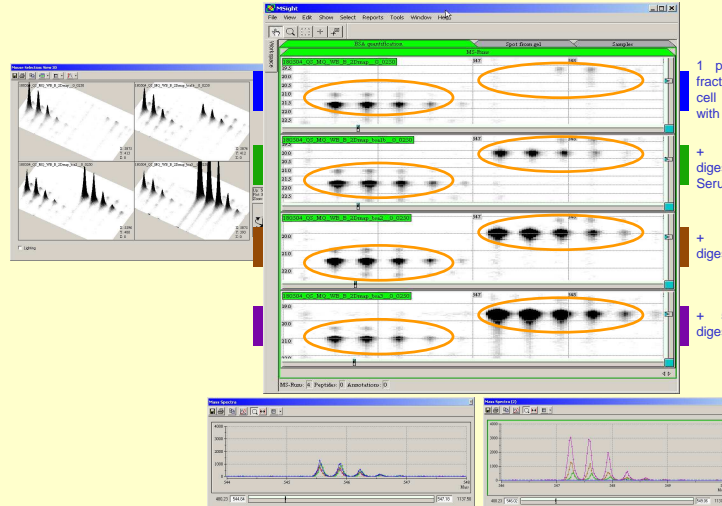
## 4. Knowledge extraction:

visual interpretation of post-translational modifications of peptides or molecular variation

### PTM analysis



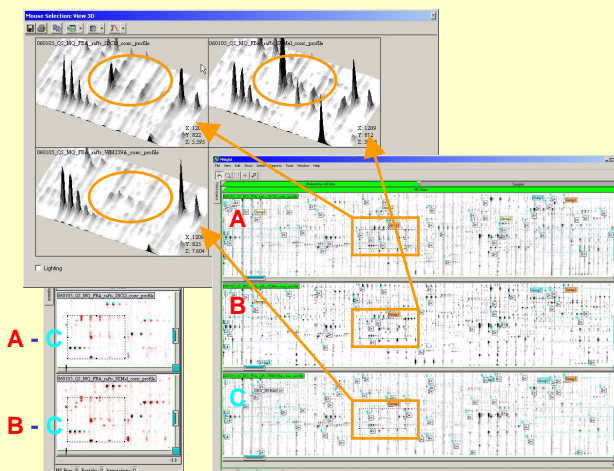
### Quantitation



- 1 pmol of 32-45 kDa fraction, lysate from a B-cell line culture, digested with trypsin
- + 26 fmol trypsin-digested BSA (Bovine Serum Albumin)
- + 83 fmol trypsin-digested BSA
- + 520 fmol trypsin-digested BSA

## 5. Differential proteome analysis:

comparison of several sets of data



MSight is freely available at <http://www.expasy.org/MSight/>