



SpectroDive™
powered by Pulsar

SpectroDive™ 12

Release Notes

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1 Panel Generation Improvements

- Added In-silico panel generation from FASTA file using deep learning.
- Added In-silico panel generation from pasted sequence list.
- AI augmentation for better fitting in-silico panels for your LCMS setup.
- Added option to customize labeling assignment within precursor sequences.
- Added more filter options during precursor selection step.
- Added new panel review page in the panel generation wizard.
- Improved identifications for creating panels from DIA discovery runs.

2 Calibration Curve Improvements

- Allow samples absolute quantification using multiple calibration curves.
- Copying first line of peptide information to all precursors in analysis wizard.
- Accuracy at LLOQ and in linear range thresholds for determining quantification range

3 Usability Improvements

- Support for Apache Parquet report output format.
- Added visible warning when raw files are missing.
- Improved memory management during library generation.
- Improved plots and plot options.
- Added warning when attempting to manually change peak picking with missing raw files.
- Ability to change ion mobility peak boundaries for prm-PASEF analysis.

4 Security

- Updated to .NET 8 (current long term support version of .NET)