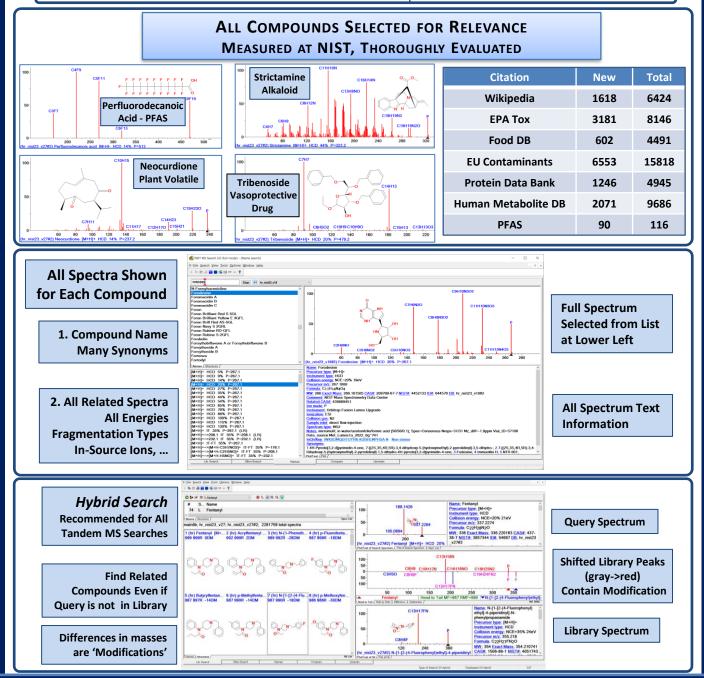
# NIST Tandem Mass Spectral Library 2023 Release

### 51,501 Compounds, 60% More than 2020 400 K Precursor Ions – 2.4 M Spectra

Fragmentation Methods 49,590 HRAM (High Res Accurate Mass) Compounds 50,071 QTOF, HCD, IT-HRAM, QqQ Compounds 49,561 Ion Trap Compounds (Low Res., up to MS<sup>4</sup>) 561 APCI HRAM Compounds

#### **Precursor Ion Types**

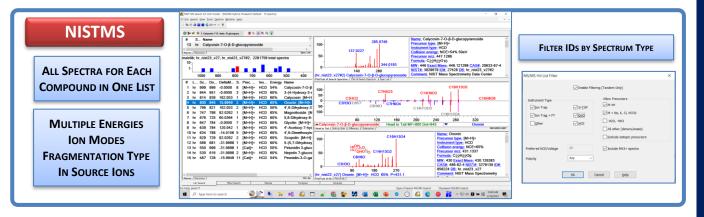
- 44,191 Protonated
- 19,620 Deprotonated
- 14,318 Water/Ammonia Loss
- 44,547 Other In-Source Generated

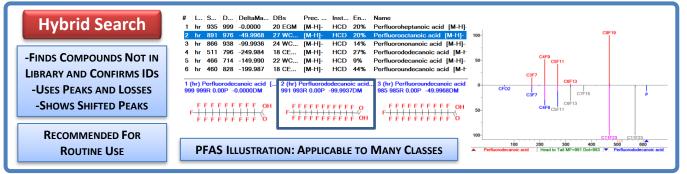


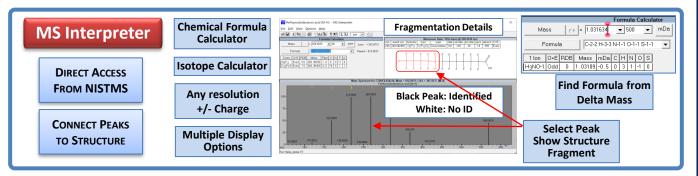
# **NIST TANDEM LIBRARY SOFTWARE**

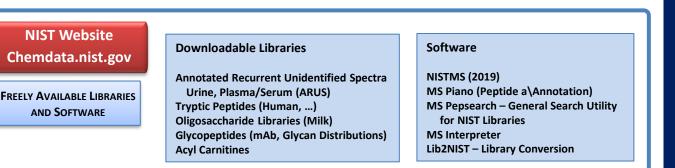
## 2023 Tandem Release

## TANDEM (MS/MS) ANALYSIS TOOLS









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