# Package 'IDSL.UFAx'

### April 5, 2023

Type Package
Title Exhaustive Chemical Enumeration for United Formula Annotation
Version 1.9.1
<b>Depends</b> R (>= 4.0)
Imports IDSL.IPA (>= 2.7), IDSL.UFA, readxl, RcppAlgos
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<b>Description</b> A pipeline to annotate a number of peaks from the 'IDSL.IPA' peaklists using an exhaustive chemical enumeration-based approach. This package can perform elemental composition cal culations using the following 15 elements: C, B, Br, Cl, K, S, Si, N, H, As, F, I, Na, O, and P.
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<pre>URL https://github.com/idslme/idsl.ufax</pre>
BugReports https://github.com/idslme/idsl.ufax/issues
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UFAx\_workflow

UFAx Workflow

#### **Description**

This function runs the exhaustive chemical enumeration part of the IDSL.UFAx pipeline.

#### Usage

```
UFAx_workflow(spreadsheet)
```

#### Arguments

spreadsheet

IDSL.UFAx parameter spreadsheet

#### Value

The MolecularFormulaAnnotationTable is saved in the assigned folder in the parameter spreadsheet.

#### Note

You should load the IDSL.UFA package to run the IDSL.UFAx functions.

#### **Examples**

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