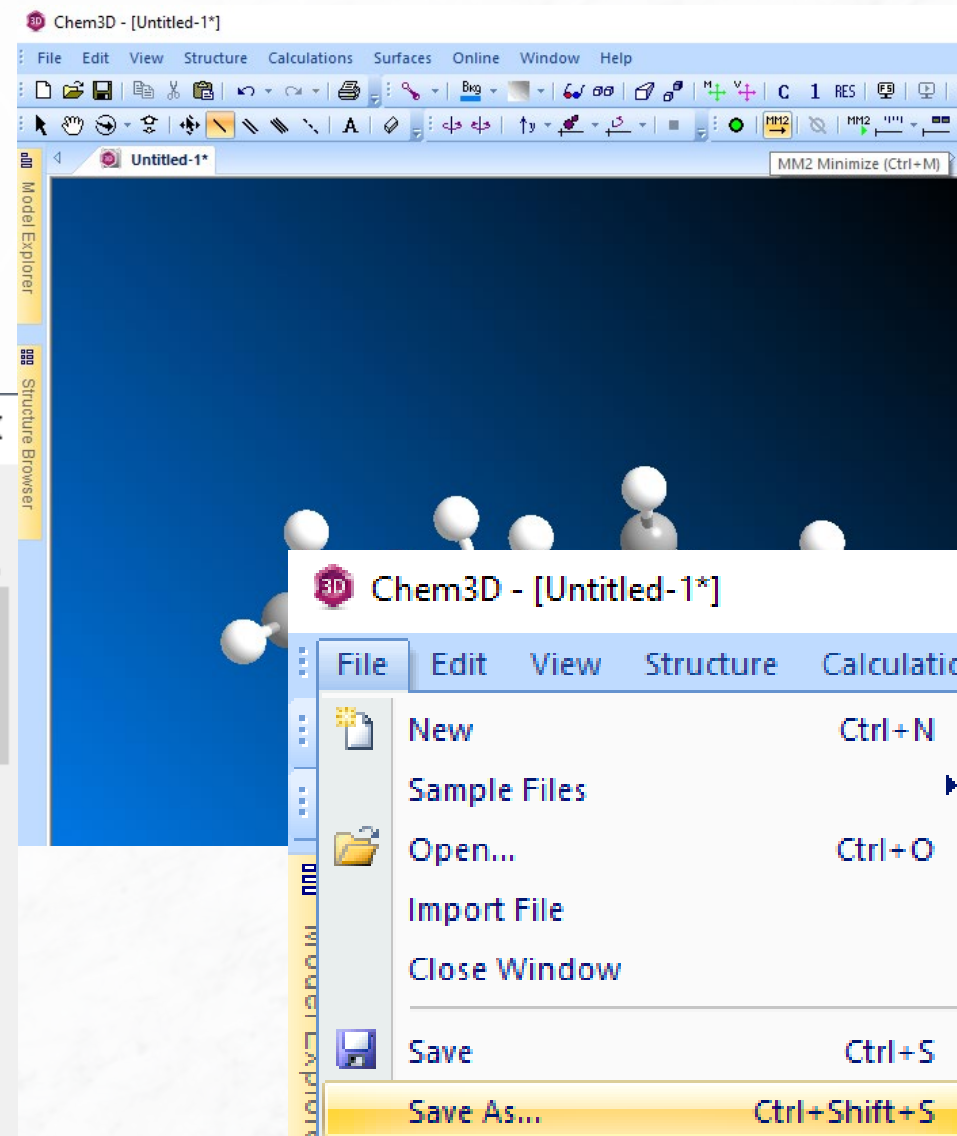
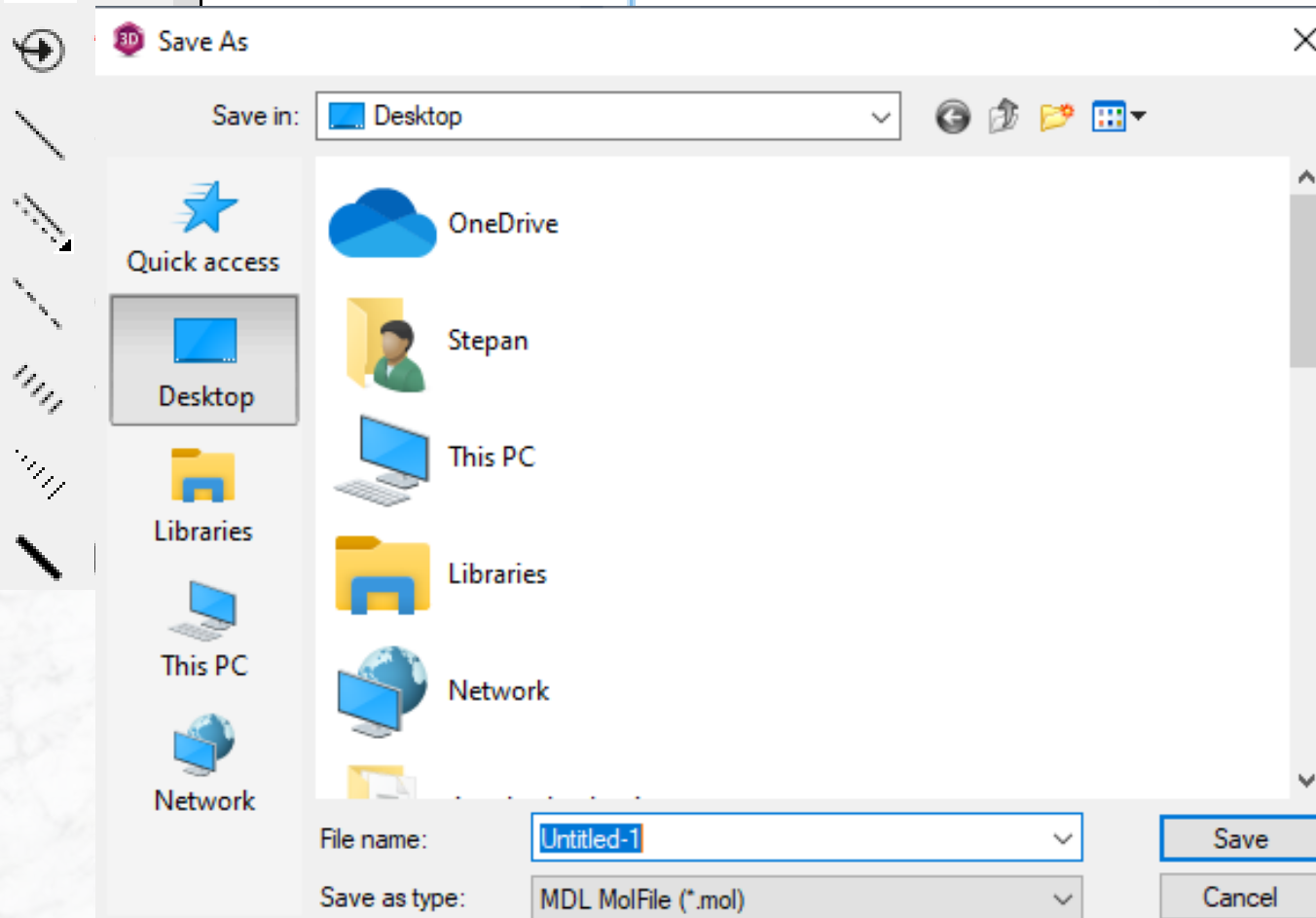
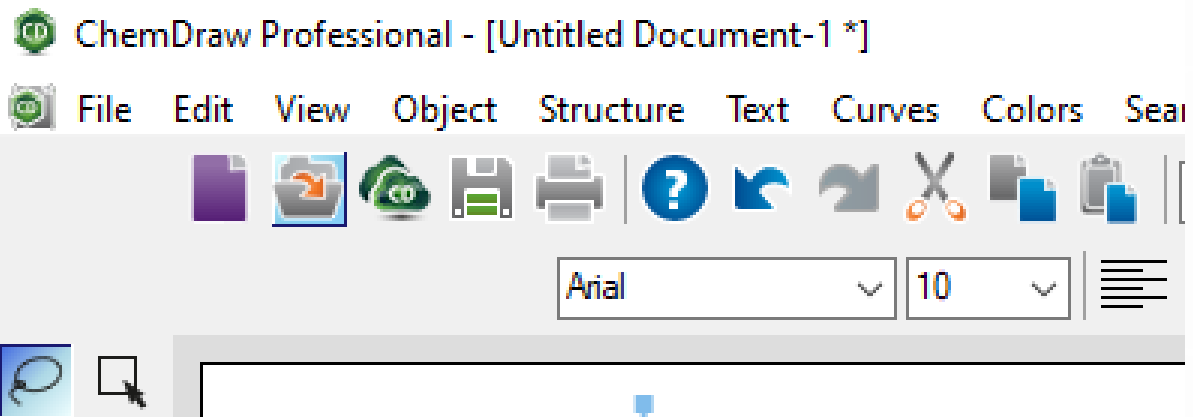
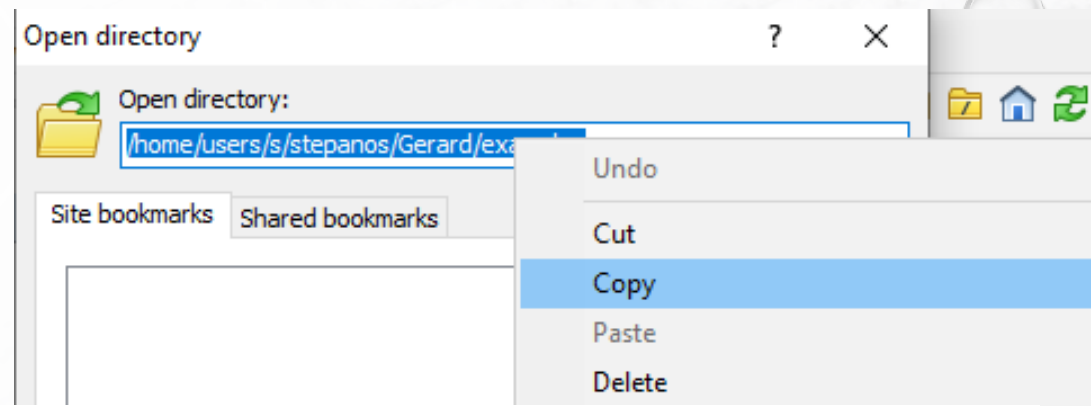
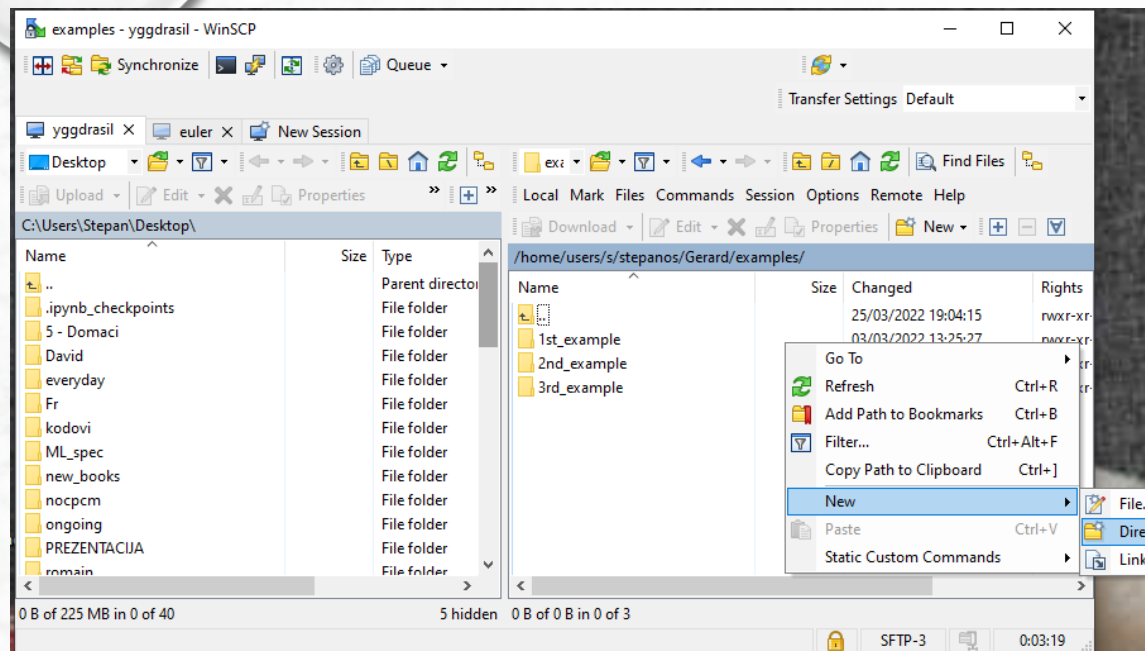


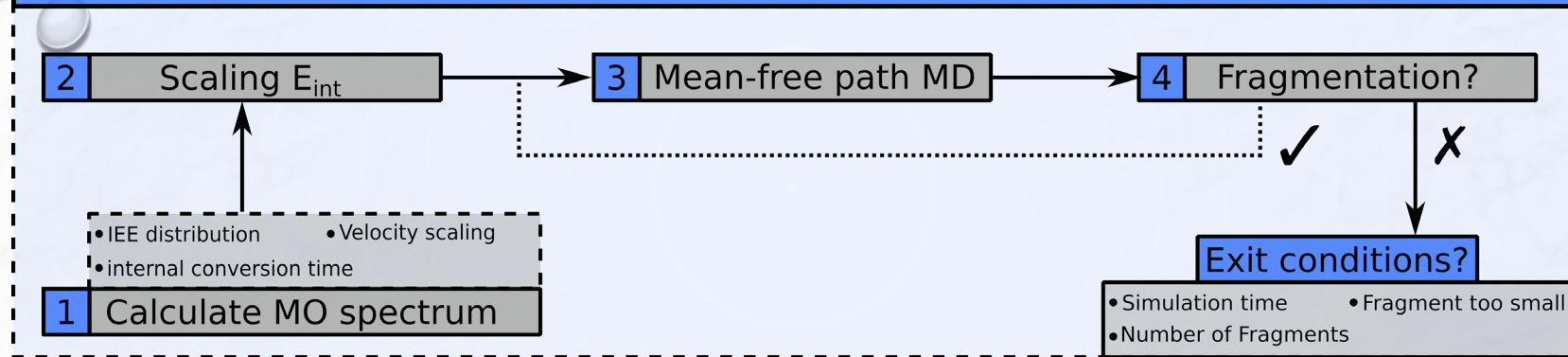
SIRIUS+CSI:FingerID







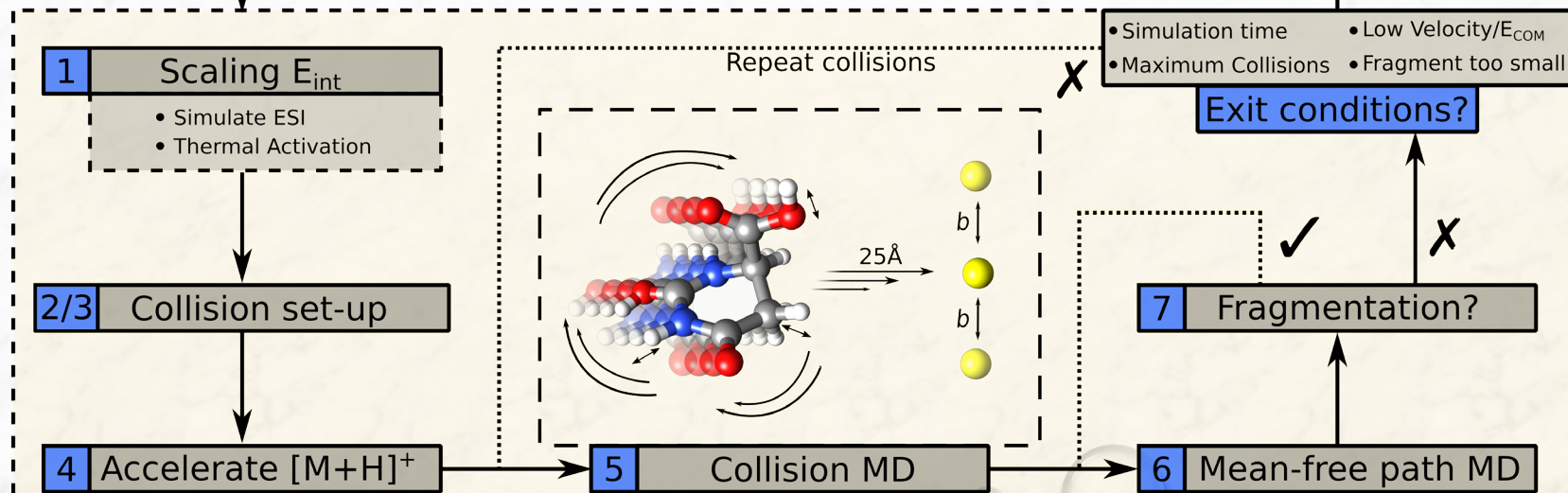
Electron Ionization



Molecular structure

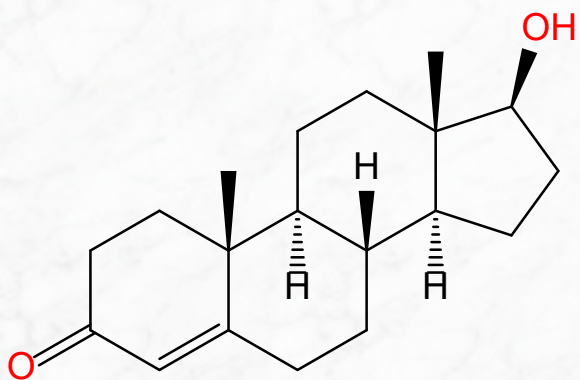
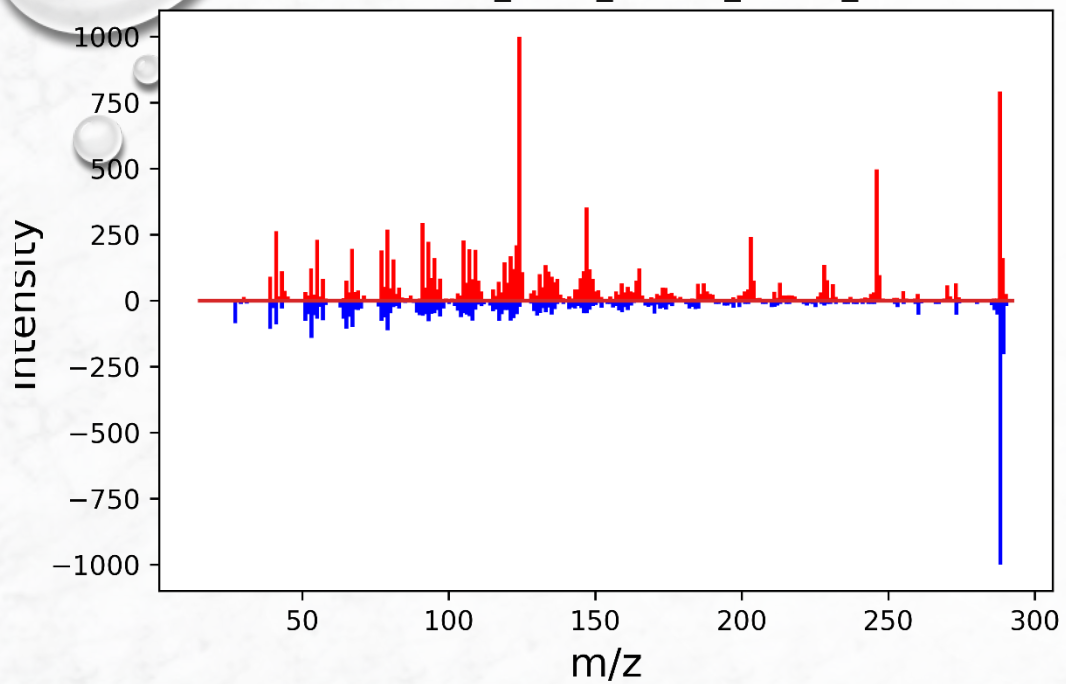
CREST

(De-)Protonated

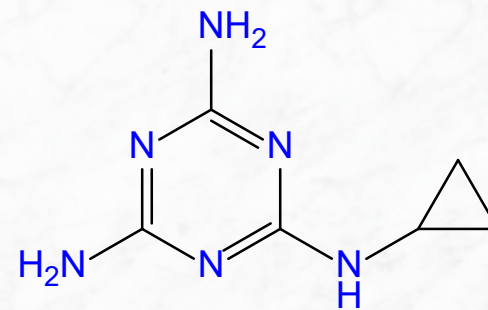
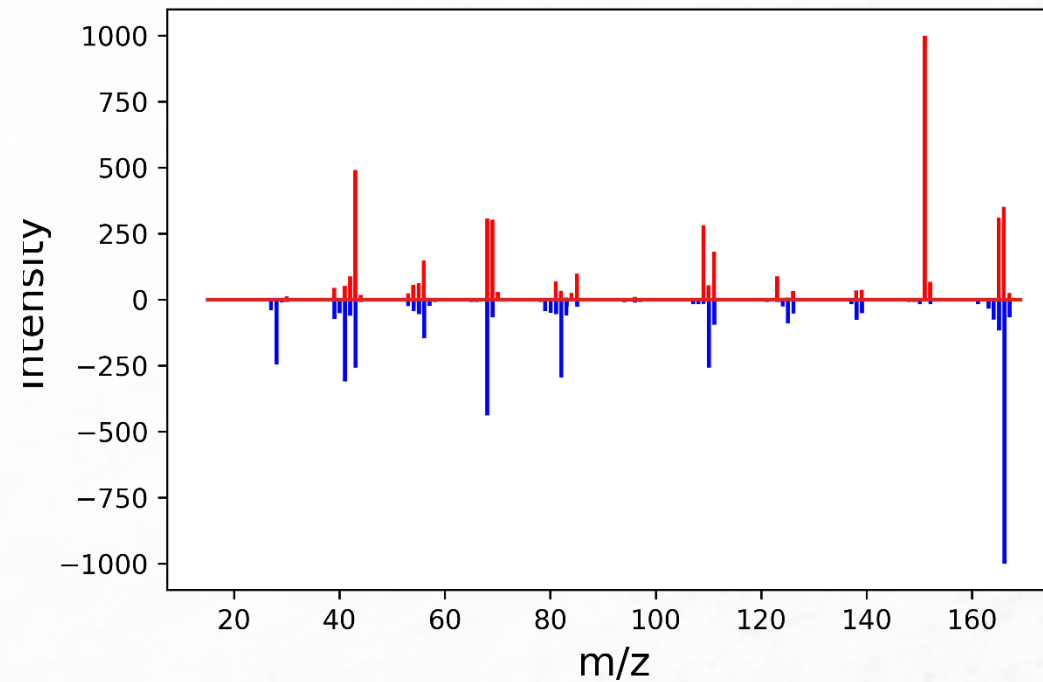


Collision Induced Dissociation

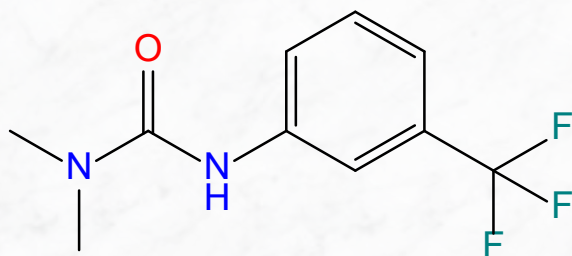
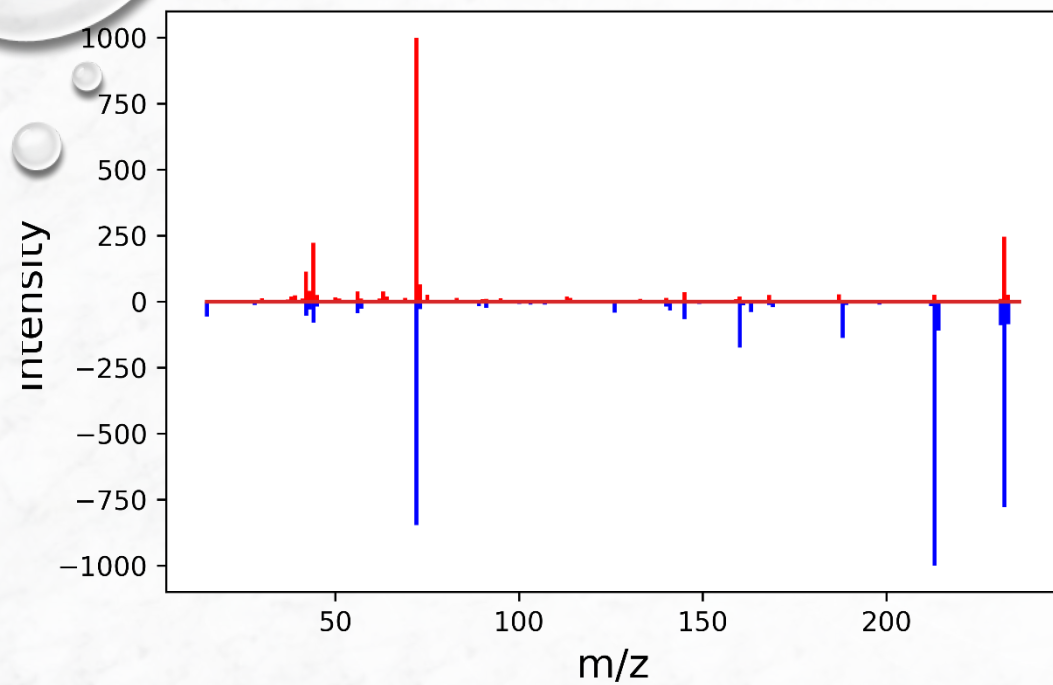
testosterone_score_0.2141_match_227



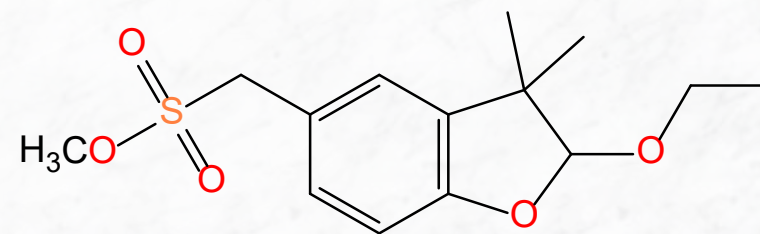
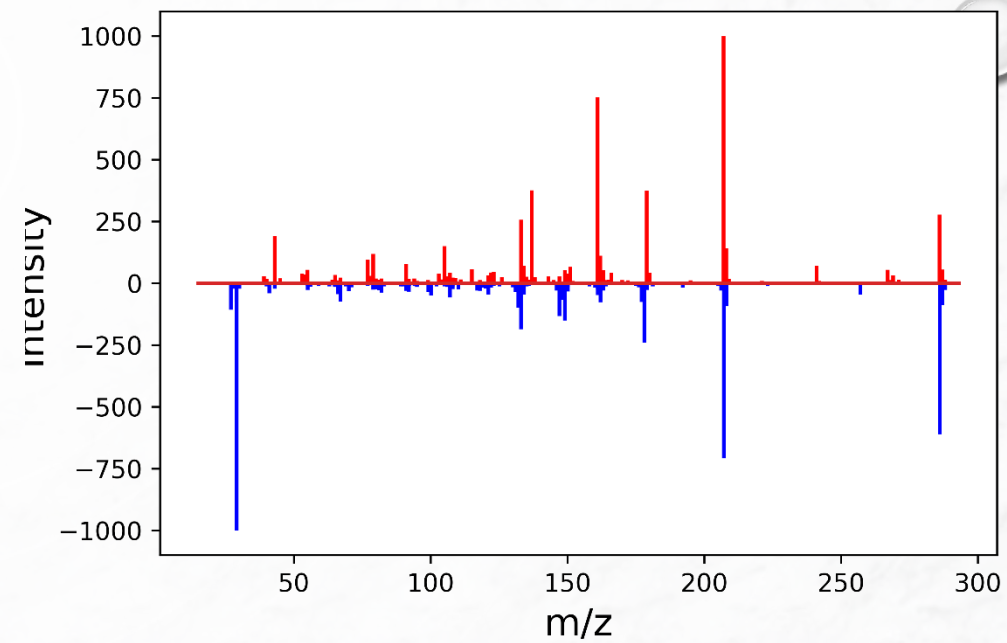
cyromazine




fluometuron



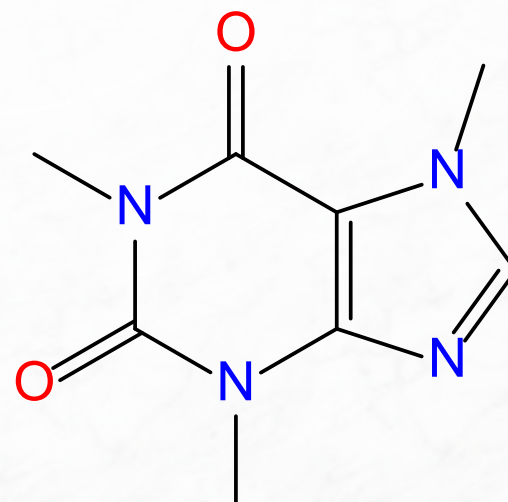
ethofumesate



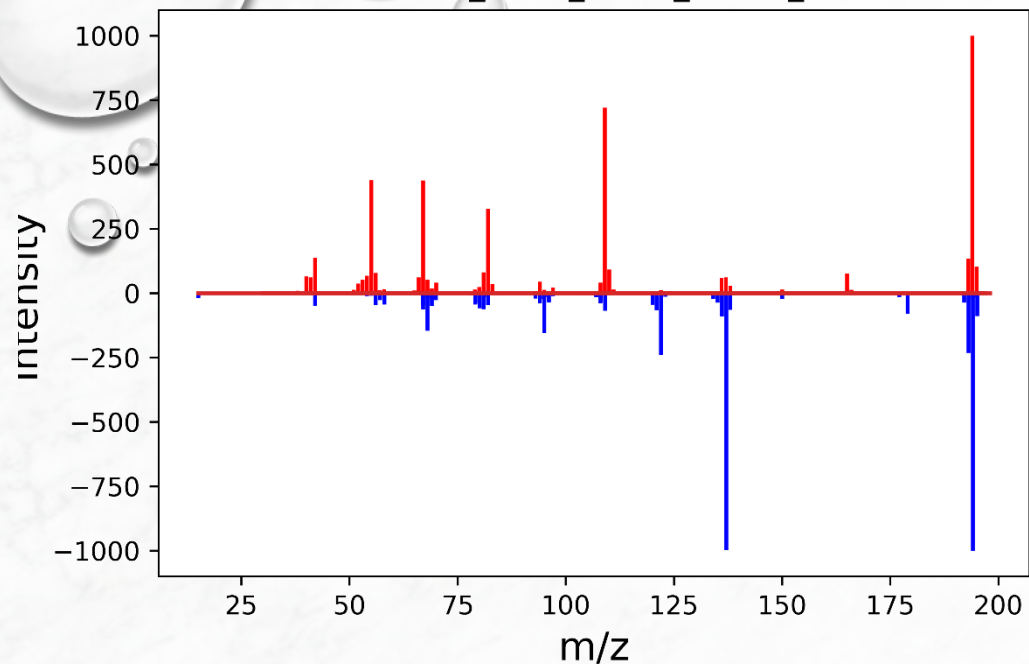
1	15.023475 ,	17.944899656548592759
2	16.026829 ,	0.190482458638885993
3	16.029751 ,	0.005805179623466041
4	26.003074 ,	0.013471860017466511
5	27.000108 ,	0.000053626967610475
6	27.006428 ,	0.000154040727351248
7	27.010899 ,	0.181271276035546991
8	28.003462 ,	0.000000820820902343
9	28.007933 ,	0.000603366892912558
10	28.014253 ,	0.002041881781989936
11	28.017175 ,	0.000022074397541847
12	28.018724 ,	3.961203718690776032
13	29.002739 ,	1.249745959808614026
14	29.011287 ,	0.000014716265027898
15	29.015758 ,	0.013744968930747286
16	29.022078 ,	0.042842506526365377
17	29.025000 ,	0.000964559208845820
18	29.026549 ,	0.013465420863808678
19	30.006093 ,	0.014161642961305622
20	30.006956 ,	0.000278672752237400
21	30.009015 ,	0.000152003314375083
22	30.019112 ,	0.000241139802211455
23	30.023583 ,	0.000054123002236236
24	30.029903 ,	0.000142687923665156
25	30.032825 ,	0.000004373575954353
26	31.006984 ,	0.002356051382030205
27	31.018389 ,	2.202619689798452463
28	31.026937 ,	0.000000820045491441
29	32.021743 ,	0.023352795151260555
30	32.022606 ,	0.000848380766877671
31	32.024665 ,	0.000714425867911729
32	33.022634 ,	0.004956329377416802
33	33.025960 ,	0.000044651616744483
34	34.025988 ,	0.000044651616744483
35	41.002739 ,	0.038343816051383303
36	41.026549 ,	0.859576876551469082
37	42.006093 ,	0.000844785187825894
38	42.006956 ,	0.000010216006603413
39	42.009015 ,	0.000004715079838857
40	42.010564 ,	0.013694210589722757
41	42.023583 ,	0.002696255719681824
42	42.029903 ,	0.018415602587477858
43	42.032825 ,	0.000281961373734698
44	42.034374 ,	48.770679533857382637
45	43.006084 ,	0.000076370513163768



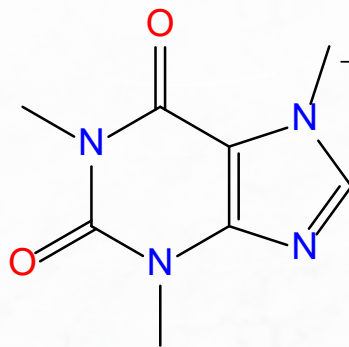
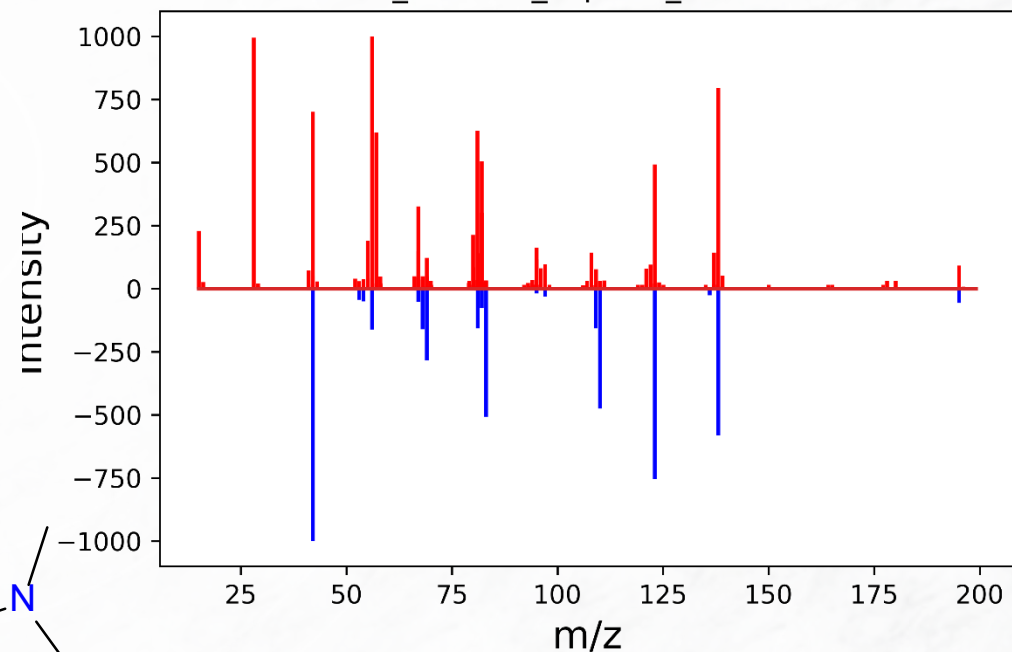
Caffeine
 Date modified: 15/03/2022 08:41



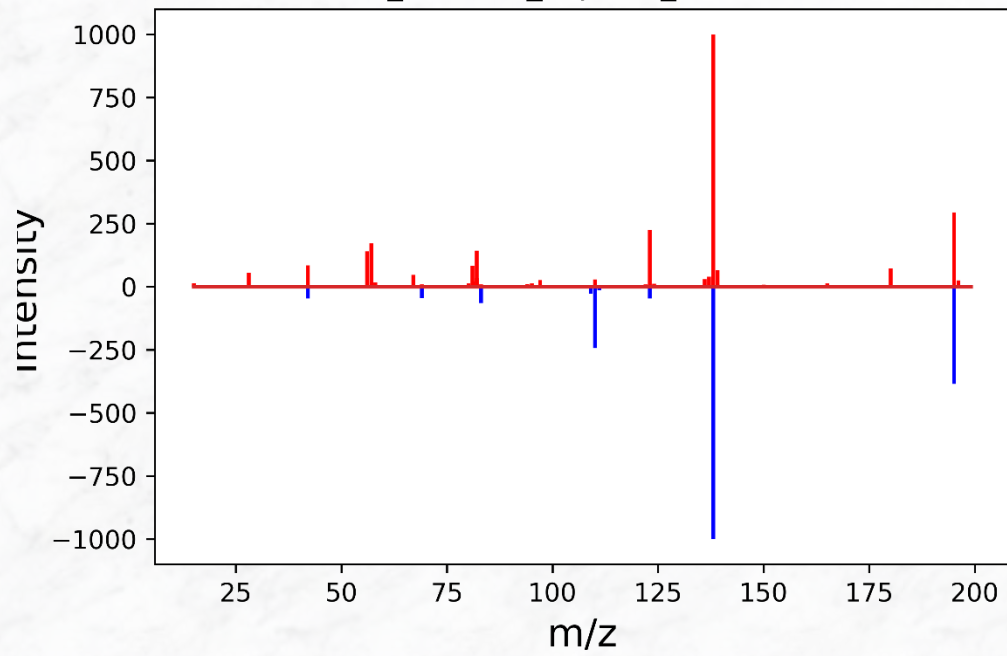
caffeine_score_0.571_match_74



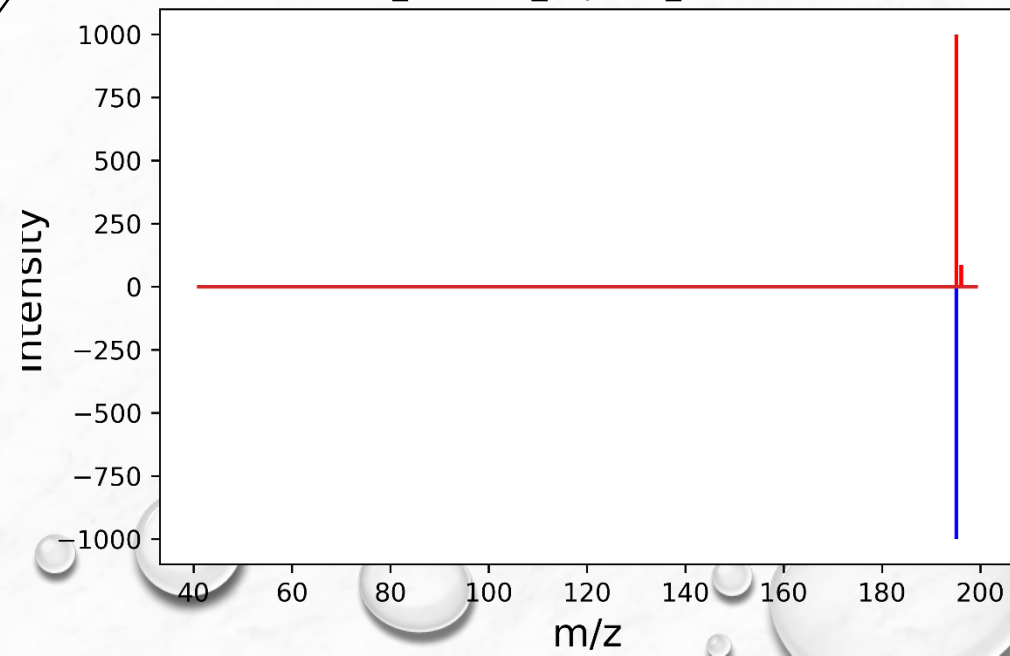
Caffeine_calc(70)_exp(46)_match(0.5439)



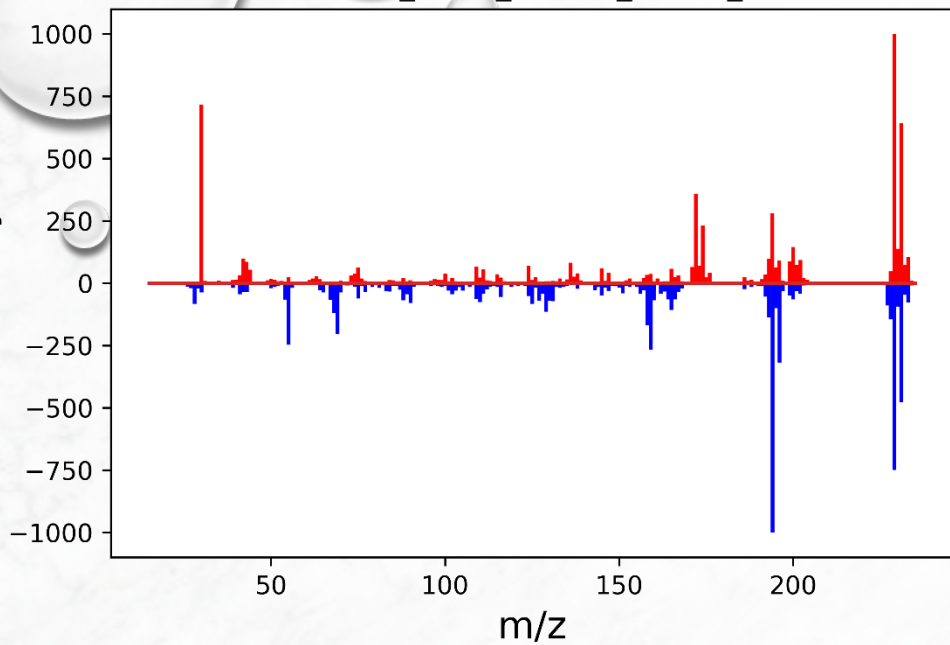
Caffeine_calc(50)_exp(30)_match(0.9246)



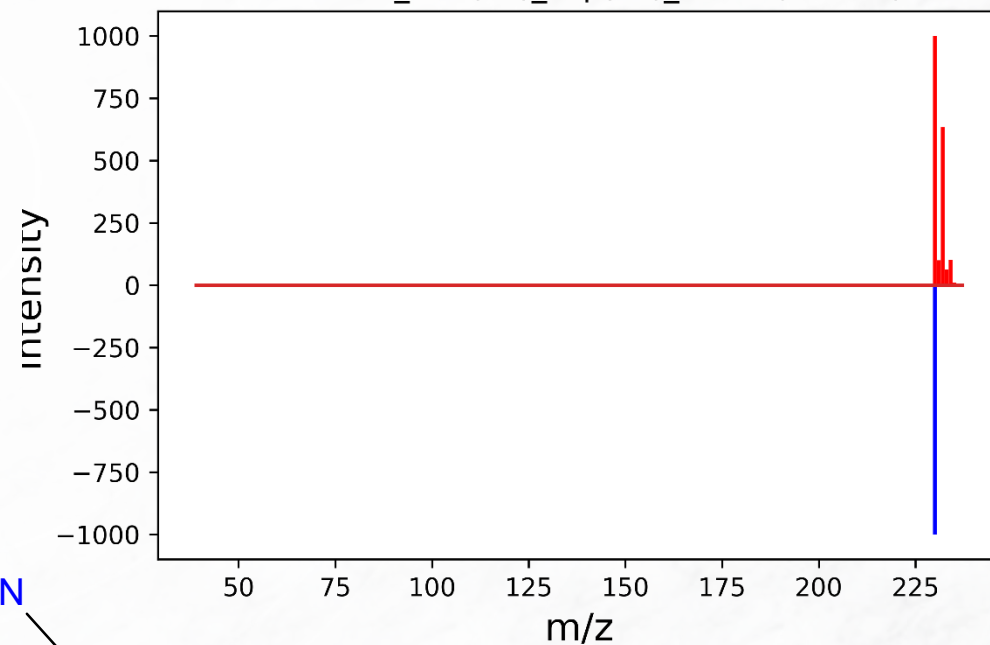
Caffeine_calc(10)_exp(11)_match(0.9961)



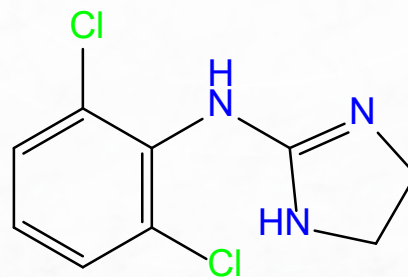
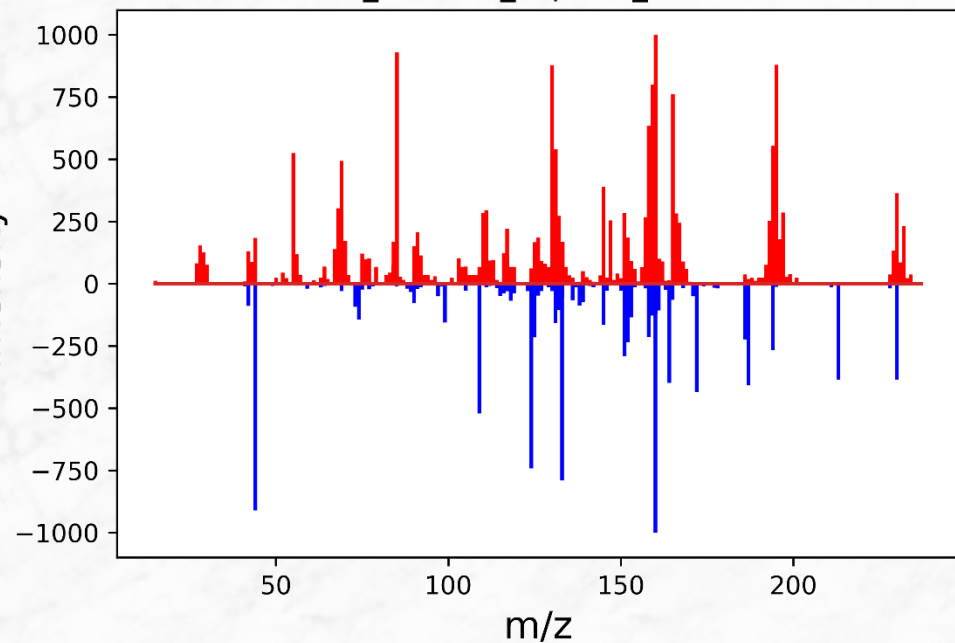
clonidine_score_0.6526_match_169



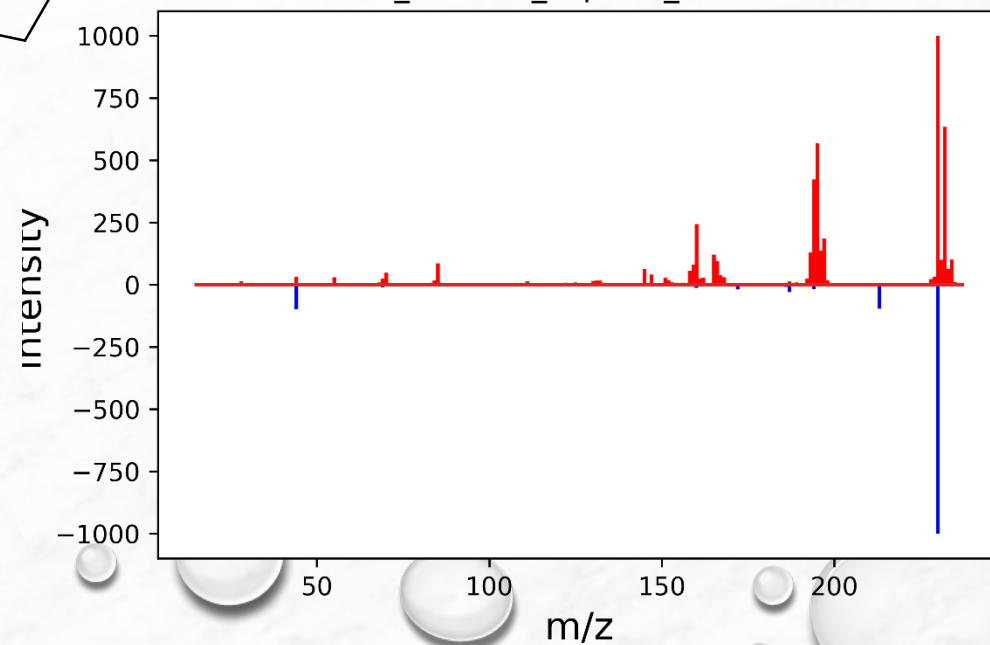
Clonidine_calc(10)_exp(11)_match(0.8367)



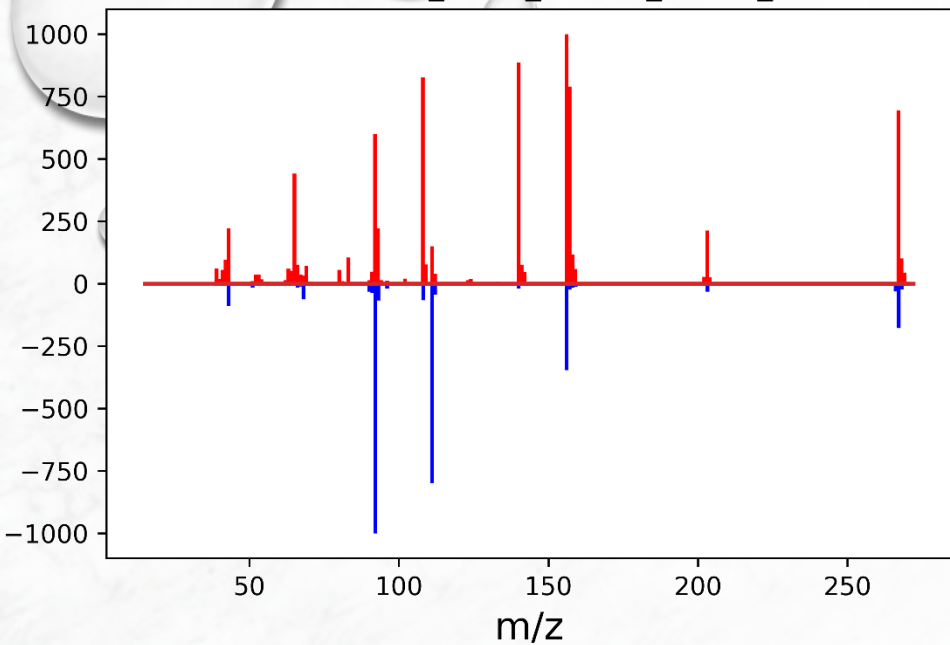
Clonidine_calc(70)_exp(50)_match(0.404)



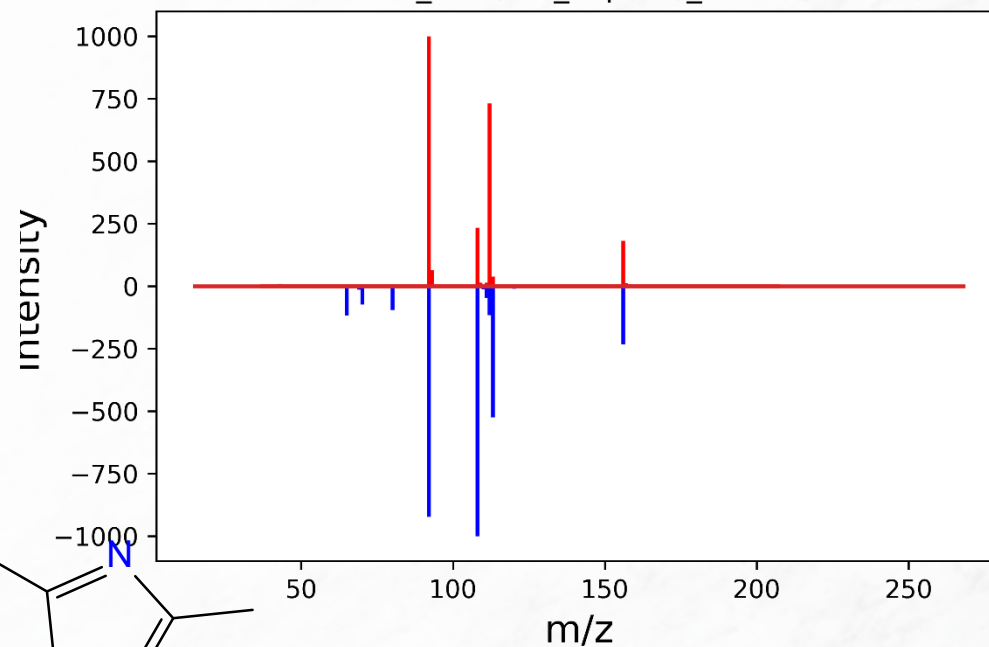
Clonidine_calc(50)_exp(33)_match(0.6905)



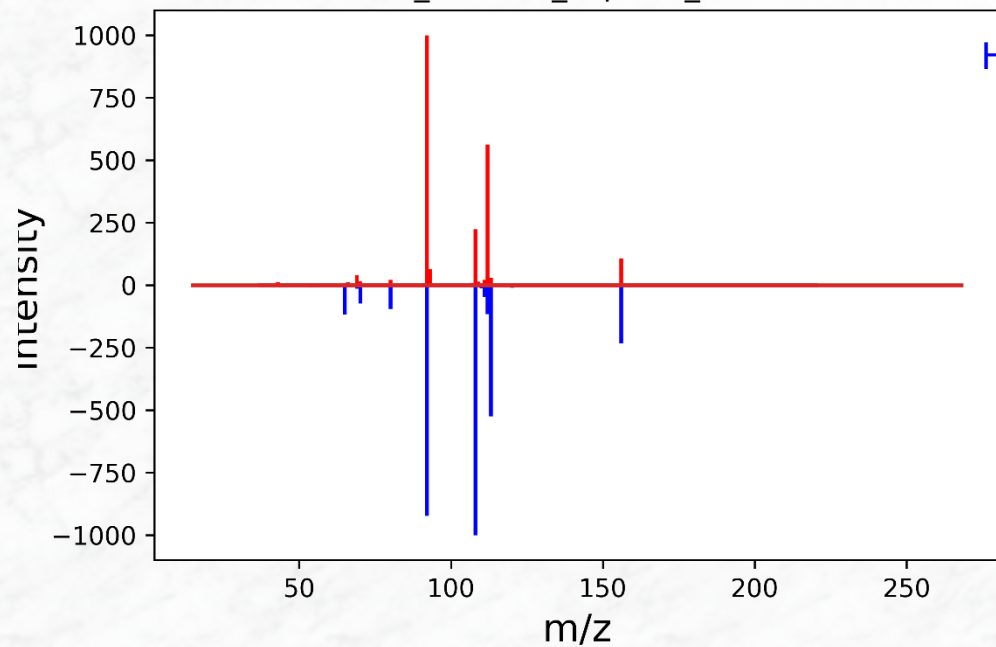
sulfamoxole_score_0.4716_match_59



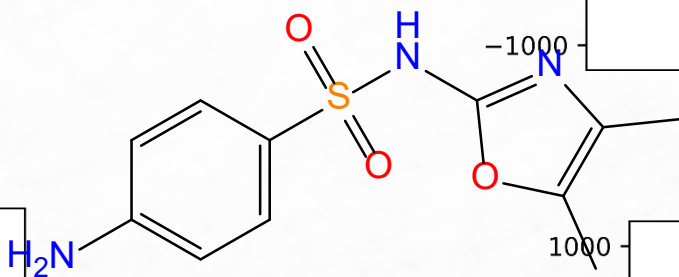
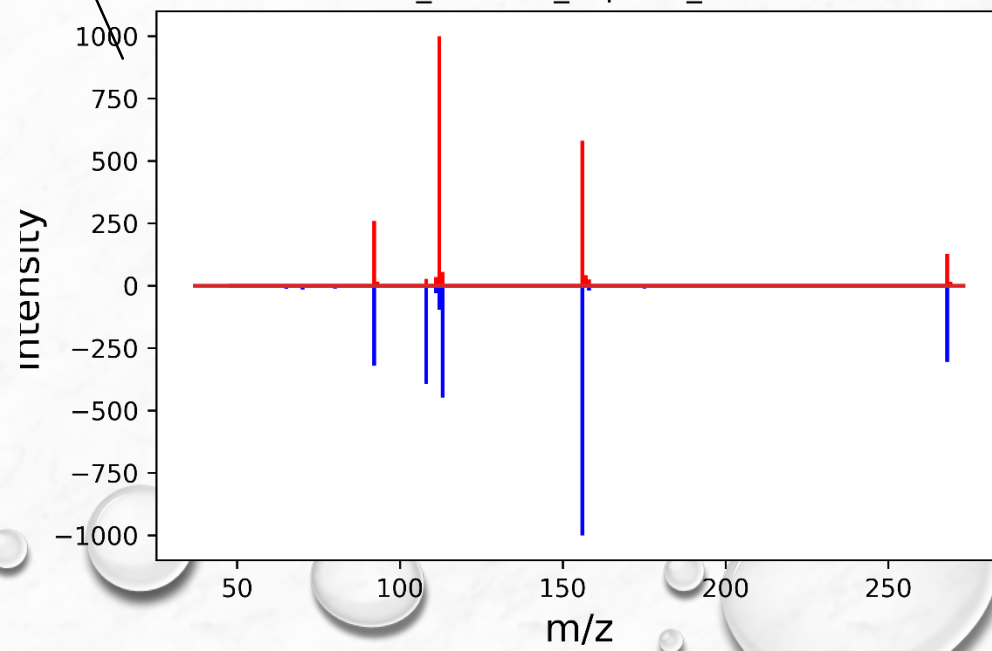
Sulfamoxole_calc(50)_exp(35)_match(0.6861)



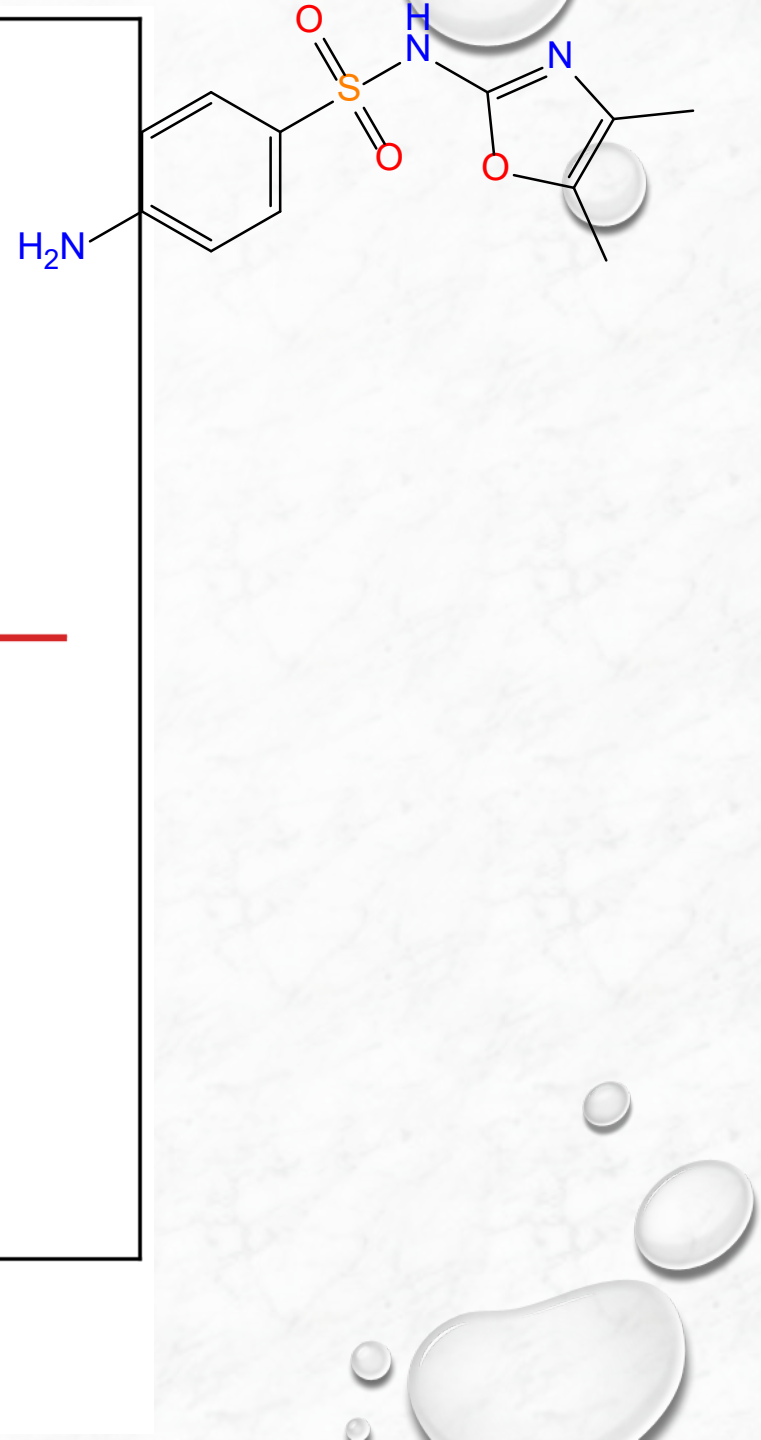
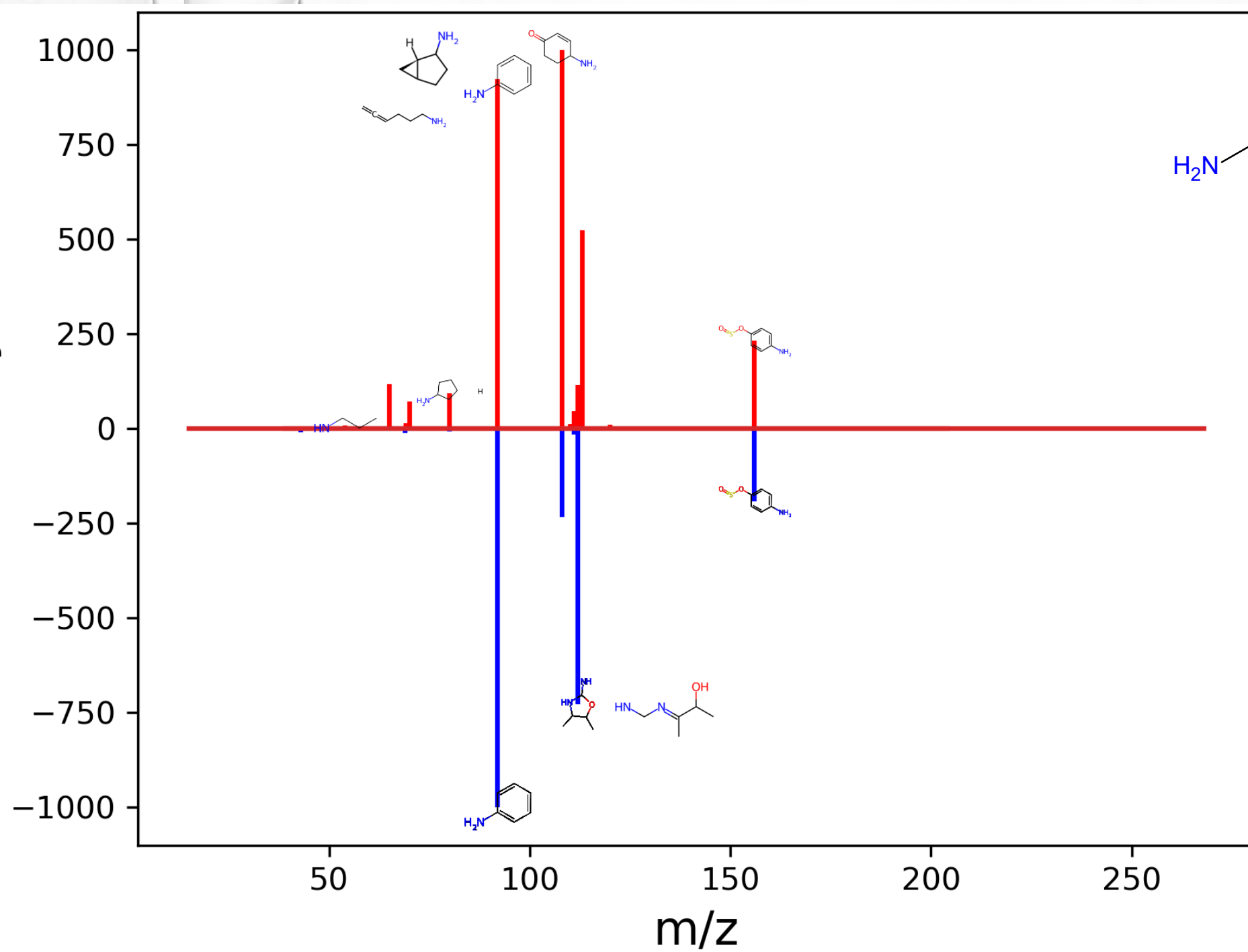
Sulfamoxole_calc(70)_exp(35)_match(0.7166)



Sulfamoxole_calc(20)_exp(25)_match(0.5593)



Intensity



Download Links

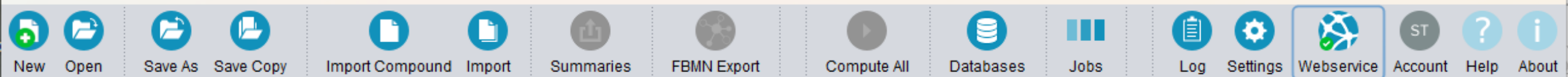
Documentation

- [Online Documentation](#)
- [Video tutorials](#)
- [Bookchapter on using SIRIUS 4 \(Preprint\)](#) -- does not cover the new LC-MS/MS processing option
- [Demo data](#)

SIRIUS+CSI:FingerID GUI and CLI - Version 5.6.2 (2022-11-03)

These versions include the Java Runtime Environment, so there is no need to install Java separately! Just execute.

- for Windows (64bit): [msi](#) / [zip](#) / [msi \(signed by Bright Giant\)](#)
- for Mac (64bit): [pkg](#) / [zip](#) / [pkg \(signed by Bright Giant\)](#)
- for Linux (64bit): [zip](#)



Filter ...

LC-MS Formulas Spectra Trees Predicted Fingerprint Structures Substructure Annotation Compound Classes

Rank	Molecular Fo...	Adduct	Zodiac Score	Sirius Score	Isotope Score	Tree Score	Explained Pe...	Total Explain...	Median Mas...	Median Abso...	Lipid Class

Mode

Preset Scale Customize Reset

N/A

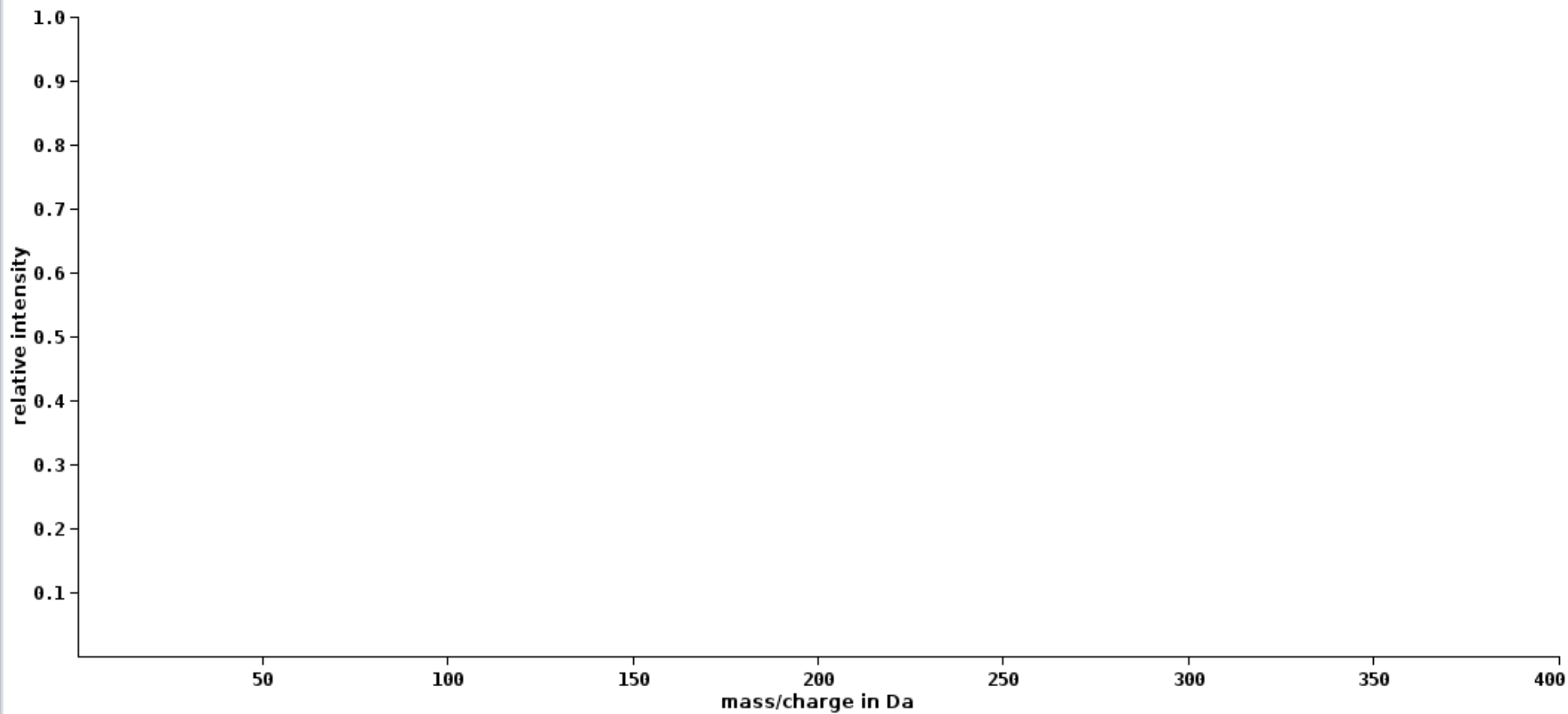
License: SIRIUS Community Edition (Non Commercial)

Compounds: UNLIMITED

Jobs: 0



Import as Single Compound



Name

Precursor mass (m/z)

Most intensive

Adduct

[M + ?]⁺

Molecular Formula

MS level

MS 1

Collision energy (eV)

Change

Import

Cancel



Edit Input Data

Name

unknown_

Adduct

[M + ?]⁺

Molecular Formula

SIRIUS - Molecular Formula



SIRIUS

Instrument: Q-TOF
Scan pattern: ☒
Mass accuracy (ppm): 10
MS/MS isotope scorer: IGNORE
Candidates stored: 10
Min candidates per ion stored: 1

Use DB formulas only

- ☐ Bio Database
- ☐ Biocyc
- ☐ ChEBI
- ☐ COCONUT
- ☐ EcoCyc Mine
- ☐ GNPS

Possible Ionizations

- ☒ [M + H]⁺
- ☒ [M + K]⁺
- ☒ [M + Na]⁺

ILP

Tree timeout: 0

Compound timeout: 0

Use heuristic above m/z: 300

Use heuristic only above m/z: 650

all

none

all

none

Elements allowed in Molecular Formula

H	0	<input type="range"/>	inf	C	0	<input type="range"/>	inf	N	0	<input type="range"/>	inf	O	0	<input type="range"/>	inf
P	0	<input type="range"/>	inf	S	0	<input type="range"/>	inf	B	0	<input type="range"/>	0	Br	0	<input type="range"/>	0
Cl	0	<input type="range"/>	0	F	0	<input type="range"/>	0	I	0	<input type="range"/>	0	Se	0	<input type="range"/>	0

Select elements

Auto detect

CSI:FingerID - Fingerprint Prediction



Predict FPs

Fallback Adducts

- ☒ [M + H]⁺
- ☐ [M]⁺
- ☐ [M - H₂O + H]⁺
- ☐ [M + H₃N + H]⁺
- ☐ [M + H₂O + H]⁺
- ☐ [M + CH₄O + H]⁺

all

none

enforce

General

Score threshold: ☒

CSI:FingerID - Structure Database Search



Search DBs

Search DBs

- ☒ Bio Database
- ☐ Biocyc
- ☐ ChEBI
- ☐ COCONUT
- ☐ EcoCyc Mine
- ☐ GNPS

all

none

non in silico

General

Tag Lipids: ☒

CANOPUS - Compound Class Prediction



CANOPUS

Parameter-Free! Nothing to set up here. =)