How to upload the MSP library into the Bruker MALDI Biotyper Software Asare et al., 2023



1. Open the MALDI Biotyper Compass Explorer software

2. Click the Import MSPs button in the Selected MSP tab toolbar.



3. An **Open** dialog opens. Go to the location where the MBT Explorer Module MSP export file is located.



4. Select the file and click Open.

The file's content is parsed and displayed in a selection window listing the contained MSPs. You can select a subset of the offered MSPs for the final import.

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Agathobacter rectalis DSM_17629 Clostri TOF	Anaerostipes hadrus MSK_14_23 ClostriTOF	Blautia coccoides_producta ATCC_27340 ClostriTOF
Agathobacter rectalis MSK_13_48 ClostriTOF	Anaerostipes hadrus MSK_15_34 ClostriTOF	Blautia coccoides_producta ATCC_29236 ClostriTOF
Agathobacter rectalis MSK_16_22 ClostriTOF	Anaerotruncus colihominis CCUG_45055 ClostriTOF	Blautia coccoides_producta ATCC_43917 ClostriTOF
Agathobacter rectalis MSK_17_42 Clostri TOF	Anaerotruncus colihominis CCUG_65088 ClostriTOF	☑ Blautia coccoides_producta DSM_14466 ClostriTOF
Anaerobutyricum hallii CLA-AA-H202 ClostriTOF	Anaerotruncus colihominis CCUG_69734 ClostriTOF	Blautia coccoides_producta DSM_26115 ClostriTOF
Anaerobutyricum hallii DSM_3353 ClostriTOF	Anaerotruncus colihominis DSM_17241 ClostriTOF	☑ Blautia coccoides_producta DSM_2950 ClostriTOF
Anaerostipes hadrus DSM_3319 ClostriTOF	Anaerotruncus colihominis DSM_28734 ClostriTOF	Blautia coccoides_producta DSM_3507 Clostri TOF
Anaerostipes hadrus MSK_10_27 ClostriTOF	Blautia caecimuris DSM_29492 ClostriTOF	Blautia faecis DSM_27629 Clostri TOF
Anaerostipes hadrus MSK_11_2 ClostriTOF	Blautia caecimuris MSK_19_25 Clostri TOF	Blautia faecis MSK_11_45 Clostri TOF
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		Import Cancel

 Click Import to import the selected MSPs. MSPs will appear at the same taxonomic location from where they were exported. A progress bar indicates the progress of the MSP import (e.g. 142 MSPs).



6. You will find your imported MSPs on the right upper part of the Biotyper Explorer.

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7. Click on the "ClostriTOF" folder and select Add Hierarchy to MSP Selection.



8. The MSP selection tab is filled.

MSP Name Aqathobacter rectalis DSM 17629 ClostriTOF Aqathobacter rectalis MSK 13 48 ClostriTOF Aqathobacter rectalis MSK 16 22 ClostriTOF	: 🛃 🛃 🔛 💥 🗔 📾 🛛 🗞
Agathobacter rectalis DSM 17629 ClostriTOF Agathobacter rectalis MSK 13 48 ClostriTOF Agathobacter rectalis MSK 16 22 ClostriTOF Agathobacter rectalis MSK 17 42 ClostriTOF	MSP Name
Agathobacter rectalis MSK 13 48 ClostriTOF Agathobacter rectalis MSK 16 22 ClostriTOF	Agathobacter rectalis DSM 17629 ClostriTOF
Agathobacter rectalis MSK 16 22 ClostriTOF	Agathobacter rectalis MSK 13 48 ClostriTOF
Andhahandaha MSV 17 42 ChateTOE	Agathobacter rectalis MSK 16 22 ClostriTOF
	ALAL-LARAN MOV 17 40 CHARTOF
Selected MSP (142) Current MSP (142)	Selected MSP (142) Current MSP (142)

9. Select all MSPs (MSPs must appear in blue) and Click on Save MSP Library button.



10. An Open dialog opens.

🥌 Save MSP Library	- 🗆 ×
Existing MSP Libraries:	BDAL
Description:	contains 142 MSPs
Name:	Ok Cancel Help

- 11. Add the Name and Description of your library and click OK.
- 12. Your library is now ready and visible in the MALDI Biotyper Compass Explorer software.