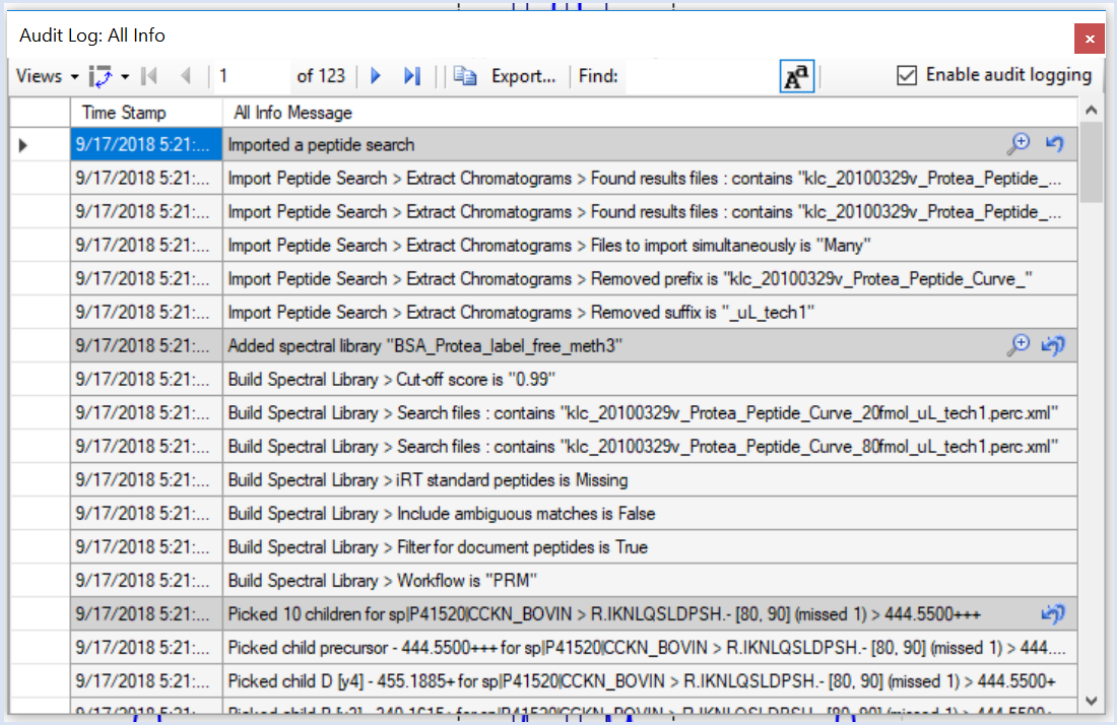
Audit Logging

Overview

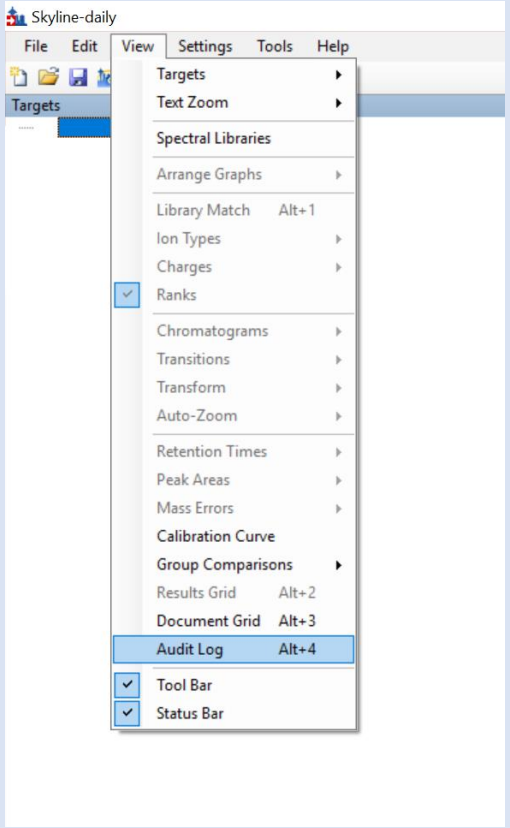
With the most recent release of Skyline daily Audit logging was added. If enabled, the audit log will keep track of all changes that are made to the current document. The audit log is stored as a separate file (.skyl), alongside with the skyline document.



Skyline

Opening the audit log

The audit log can be accessed from the View menu.



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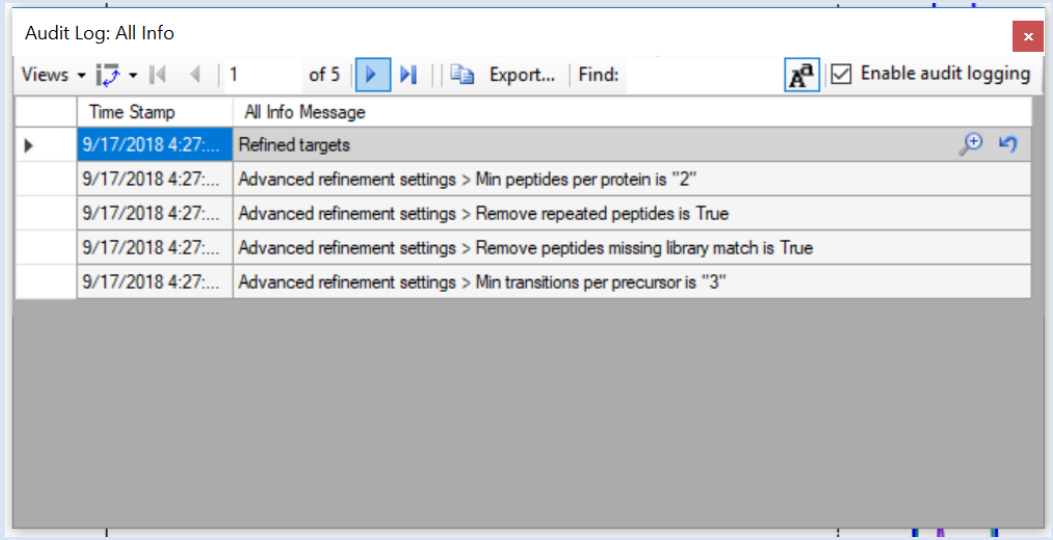
The Audit Log grid

The audit is displayed in a grid, similar to the document grid. In the top right corner audit logging can be enabled or disabled. For new documents, audit logging is enabled by default.



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Reasons to enable Audit Logging

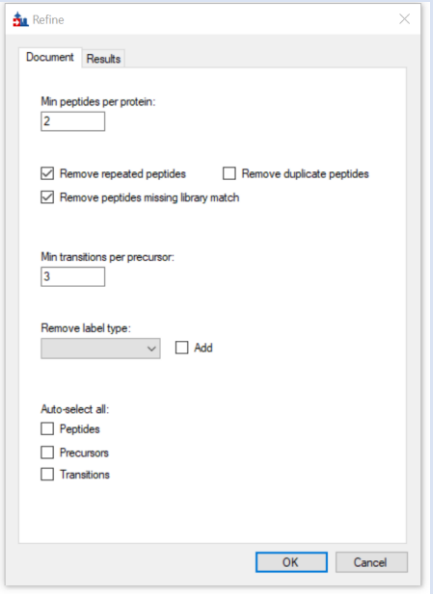
- **Reproducibility:** The audit log makes it easy to see what changes were made to a document and can be used to reproduce a document step-by-step.

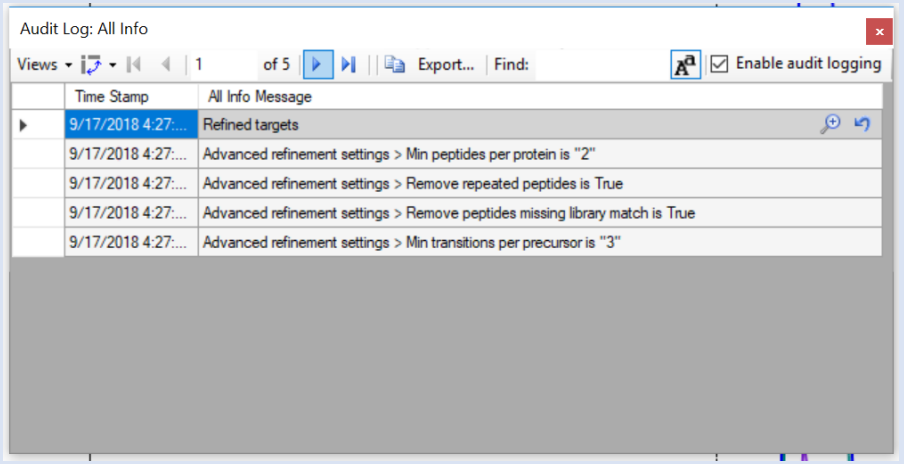
- **Collaboration:** If multiple people are working on the same document it can be helpful to have a record of what each person has done to the document.

- **Troubleshooting:** If the user encounters an error in Skyline, the audit log can be helpful for the Skyline team to diagnose and fix the issue.

Example: Advanced Refinement

For example, refining targets with the following settings will result in the audit log entry shown on the right. Note that Skyline will try to only show the options that the user changed (For instance, there is no message indicating that “Remove duplicate peptides” is unchecked)





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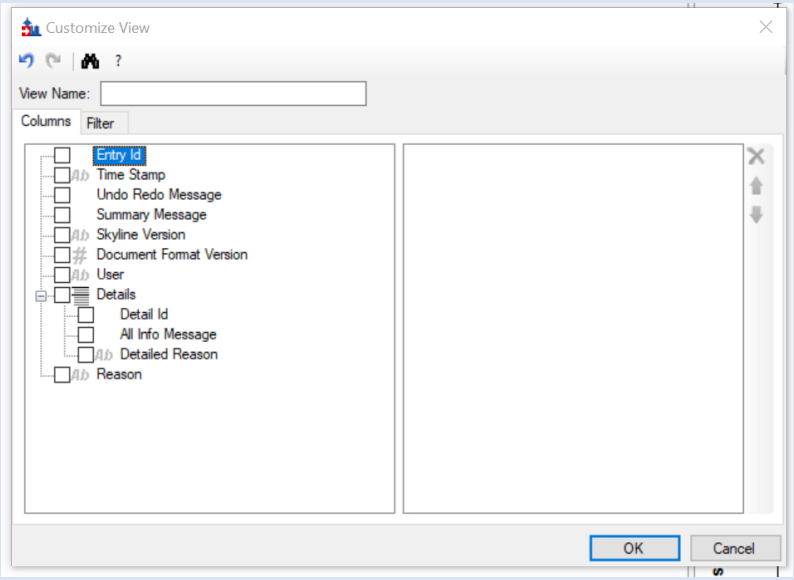
Columns in the audit log grid

An audit log entry contains the following information, which can be displayed by using the “Views” menu (just like in the document grid):

- **Time Stamp:** Time at which the change was made
- **Undo Redo Message:** The shortest and least specific message describing an entire entry. This message will also be displayed in Skyline’s toolbar when clicking on the arrows next to the Undo-Redo arrows
- **Summary Message:** Similar (and often times the same) as the Undo Redo Message, but for certain messages more specific
- **All Info Message(s):** A list of messages that describe the change in detail
- **User:** The name of the computer and user who made the change

Columns in the audit log grid continued…

- **Reason:** The reason for the change, which can be set by editing the cell in the grid
- **Detailed Reason:** A reason that can be set for each of the detailed “All Info messages”



All Audit Log columns shown in the Customize View window

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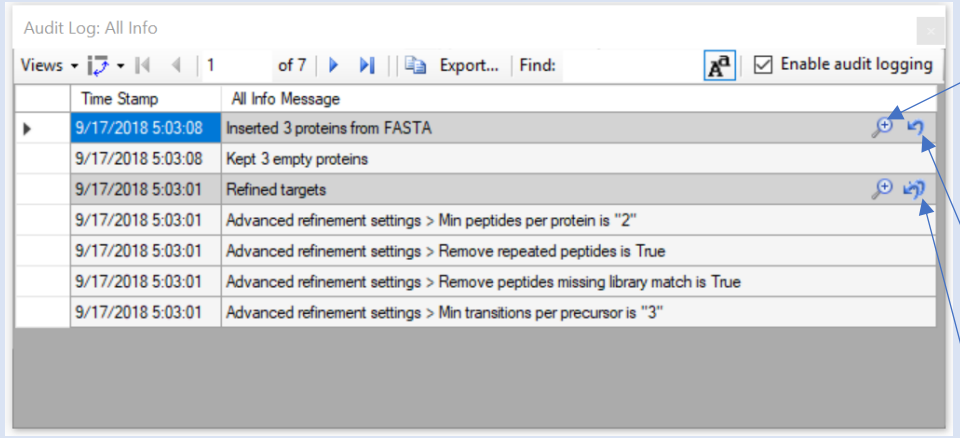
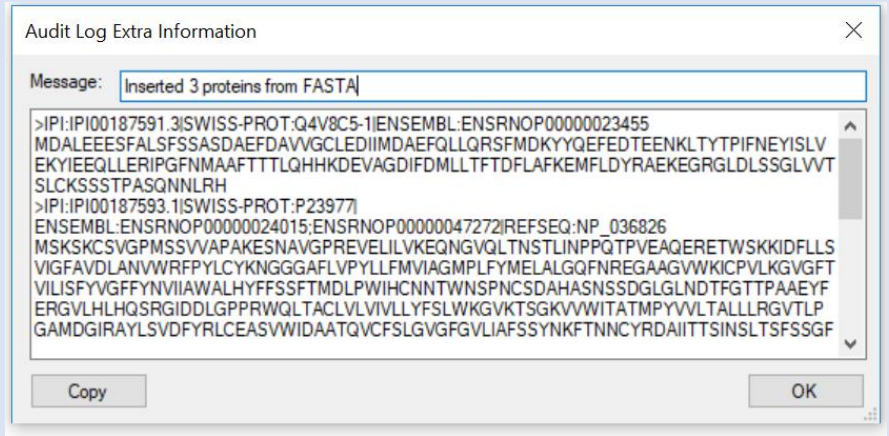
Buttons in the Audit Log grid





- Show extra information about this change. This is only available for some changes. In the first case it will show the FASTA that was pasted (As shown in the second picture)
- Undo this change. This is only available for the most recent entry and works the same way as the Undo button in the Skyline toolbar.
- Undo this change and all changes made after it. In the example in the first picture this would undo both changes.

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