

Analyst 1.7.4 HotFix 2 Release Notes



Introduction

For information about an earlier software version, refer to the document: *Release Notes* that came with that software version.

Where to Get Help

- *Analyst Software 1.7.4 with HotFix 1 Release Notes*
- *Analyst 1.7.4 HotFix for ICB-5 Firmware Release Notes*
- *AB SCIEX Reporter Template Suite 3.2 HotFix 1 Release Notes*
- *Analyst Software 1.7.4 with HotFix 1 Installation Guide*

New in Analyst 1.7.4 HotFix 2

Enhancements

Support for Microsoft Office 2024

The Analyst software now supports Microsoft Office 2024. For a list of other supported versions of Microsoft Office, refer to the software installation guide for the Analyst software 1.7.4 with HotFix 1.

Reporter Template Suite 3.2 HotFix 1

Analyst 1.7.4 HotFix 2 includes AB SCIEX Reporter Template Suite 3.2 HotFix 1. Templates for the Reporter software can now be edited in Microsoft Office 2024. AB SCIEX Reporter Template Suite 3.2 HotFix 1 is only installed if the AB SCIEX Reporter Template Suite 3.2 is installed. For information about how to use the AB SCIEX Reporter Template Suite 3.2 HotFix 1 to edit templates for the Reporter software, refer to the document: *AB SCIEX Reporter Template Suite 3.2 HotFix 1 Release Notes*.

Corrected Issues

After a SCIEX Triple Quad 5500 system was upgraded to ICB-5, users could not open the mass spectrometer section in a method.

After the system was upgraded to Analyst software 1.7.4 with HotFix 1, the mass spectrometer section of methods that were created with earlier configuration tables could not be opened on SCIEX Triple Quad 5500 systems that use ICB-5 and version FWTripleQuad5500R510.fw of the configuration table. (AN-4280)

The Analyte 20 Percent Report gave different unknown sample counts.

The *Analyte 20 Percent Report.docx* template did not always include 20% of unknown samples. Reports that were created again and again with the same data set gave different counts of unknown samples. (AN-4268)

The incorrect Project Name was shown for Results Tables in reports.

In reports, if the Results Table stayed open after projects were changed, then the project name in the Results Table showed the active project, not the source project for the Results Table. (AN-1962)

The Settling Time is included two times in looped methods.

On SCIEX 5500+ systems and SCIEX 6500+ systems, for looped methods with a settling time that is more than 0, without polarity switching, and without dynamic fill time (DFT), information-dependent acquisition (IDA), or the sMRM algorithm enabled, the settling time was incorrectly included two times for each cycle. This caused fewer cycles to be acquired than were specified. (AN-4293)

Issues Fixed in Analyst 1.7.4 HotFix for ICB-5 Firmware and Included in this HotFix

This HotFix includes a previously released firmware update for systems with instrument control board 5 (ICB-5). The update corrects an issue with the integrated diverter valve, where the valve changes position earlier than the expected time. This HotFix is only applicable to the acquisition workstation for these systems with ICB-5 that use firmware version QIL0205, as identified in the data sample information:

- SCIEX 3500 systems
- SCIEX 4500 systems
- SCIEX 5500 systems
- SCIEX 5500+ systems
- SCIEX 6500 systems
- SCIEX 6500+ systems

(AN-4066, AN-4135)

Known Issues and Limitations

- Before a reporter template is edited with AB SCIEX Reporter Template Suite 3.2 HotFix 1, use the Reporter Template Updater utility in the folder `C:\Program Files\AB SCIEX\Reporter Template Updater` to update the Reporter template to a compatible format. Refer to the document: *AB SCIEX Reporter Template Suite 3.2 HotFix 1 Release Notes*.
- SCIEX Triple Quad 5500+ systems: Although the system does not have linear ion trap (LIT) functionality, when the hardware profile is configured for the first time, the license information for a QTRAP system is shown at the bottom of the Configuration tab. This information will not be shown for subsequent hardware profile activations.

Installation

Install the HotFix

Prerequisites
• The Analyst software 1.7.4 with HotFix 1 is installed. • AB SCIEX Reporter Template Suite 3.2 is installed.
Note: If the Analyst 1.7.4 HotFix for ICB-5 Firmware is installed, then it will be silently removed before Analyst 1.7.4 HotFix 2 is installed.

1. Log on to the computer as a user with Administrator privileges.
2. Stop acquisitions that are in progress, and then deactivate the hardware profile.
3. Close the Analyst software.
4. Go to sciex.com/software-downloads, and then download Analyst 1.7.4 HotFix 2.

Tip! To prevent installation issues, save the file to the local computer in a different location than the desktop.

5. After the download is completed, do this:
 - a. Right-click the `Analyst1.7.4HF2.zip` file, and then click **Extract All**.
 - b. Browse to and select the destination folder, and then click **Extract**.
6. Browse to and then double-click the `setup.exe` file.

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7. Obey the on-screen instructions to complete the installation.
8. SCIEX 3500 systems, SCIEX 4500 systems, SCIEX 5500 systems, SCIEX 5500+ systems, SCIEX 6500 systems, and SCIEX 6500+ systems with ICB-5: If applicable, then upgrade the firmware. Refer to the section: [Update the Firmware](#).

Note: If these systems have the Analyst 1.7.4 HotFix for ICB-5 Firmware installed, then the firmware version should be QIL0206. A firmware update is not required.

Update the Firmware

Note: If the Analyst 1.7.4 HotFix for ICB-5 Firmware is installed, then a firmware update is not required. If it is not installed, then do this procedure for these systems with ICB-5:

- SCIEX 3500 systems
- SCIEX 4500 systems
- SCIEX 5500 systems
- SCIEX 5500+ systems
- SCIEX 6500 systems
- SCIEX 6500+ systems

Use the ConfigUpdater utility to update the system firmware to QIL0206.

Note: The configuration tables have not changed. For information about configuration tables, refer to the document: *Analyst Software 1.7.4 with HotFix 1 Release Notes*.

1. Browse to the `C:\Program Files (x86)\Analyst\Firmware\ConfigUpdater` folder, and then double-click the `ConfigUpdater.exe` file.
The Select Interface dialog opens. The **Ethernet** interface option is selected.

Tip! The ConfigUpdater utility can also be started with this shortcut: **Start > Sciex Analyst > ConfigUpdater**.

2. Click **OK**.
The ConfigUpdater utility opens and then identifies the new firmware version to be installed.

Note: The ConfigUpdater utility will reset the mass spectrometer. This is usual and required by the update process.

3. Click **Next**.
This message is shown: Click OK to start the upload and do not interrupt. The buttons will be disabled until upload finishes.

4. Click **OK** to start the upload, and then wait until this message is shown: Uploaded firmware is ready.
5. Click **OK**.
The Firmware/Configuration Table Update Program dialog opens to show a list of supported instruments.
6. Click **Next**.

This message is shown: Your current configuration table is: <header of the current configuration table> file. Your instrument is upgraded to the latest firmware configuration table. Click Cancel to exit this program or click Downgrade if you wish to upload another Configuration Table.
7. To close the ConfigUpdater utility, click **Cancel**.
8. Restart the computer.

Remove the HotFix

CAUTION: Potential System Damage. SCIEX 3500 systems, SCIEX 4500 systems, SCIEX 5500 systems, SCIEX 5500+ systems, SCIEX 6500 systems, and SCIEX 6500+ systems with ICB-5: We do not recommend that the Analyst 1.7.4 HotFix 2 be removed from these systems. If the HotFix is removed, then an unsupported software configuration will be used. If the HotFix must be removed, then first remove Analyst 1.7.4 HotFix 2, and then install the compatible firmware. To install the compatible firmware (QIL0205), browse to the Extras\Instrument Update\ConfigUpdater folder in the Analyst software 1.7.4 with HotFix 1 package, and then double-click the ConfigUpdater.exe file. The system goes back to the Analyst software 1.7.4 with HotFix 1.

Note: AB SCIEX Reporter Template Suite 3.2 HotFix 1 is not removed when Analyst 1.7.4 HotFix 2 is removed. To remove AB SCIEX Reporter Template Suite 3.2 HotFix 1, refer to the document: *AB SCIEX Reporter Template Suite 3.2 HotFix 1 Release Notes*.

1. Log on to the computer as a user with Administrator privileges.
 2. In the Analyst software, deactivate the hardware profile.
 3. Close the Analyst software.
 4. Open Control Panel, and then open Programs and Features.
 5. Click **Analyst 1.7.4 HotFix 2**, and then click **Uninstall**.
 6. Obey the on-screen instructions.
 7. Close Control Panel.
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8. Load the firmware version that is compatible with the Analyst software 1.7.4 with HotFix 1. Refer to the section: [Install Firmware That Is Compatible with the Previous Version of the Software](#).

Install Firmware That Is Compatible with the Previous Version of the Software

1. Browse to the `Extras\Instrument Update\ConfigUpdater` folder in the Analyst software 1.7.4 with HotFix 1 package, and then double-click the `ConfigUpdater.exe` file. The Select Interface dialog opens. The **Ethernet** interface option is selected.

2. Click **OK**.

The ConfigUpdater utility opens and then identifies the new firmware version to install.

Note: The ConfigUpdater utility will reset the mass spectrometer. This is usual and required by the update process.

3. Click **Next**.

This message is shown: Click OK to start the upload and do not interrupt. The buttons will be disabled until the upload finishes.

4. Click **OK**, and then wait until this message is shown: Uploaded firmware is ready.

5. Click **OK**.

The Firmware/Configuration Table Update Program dialog opens to show a list of supported instruments.

6. Click **Next**.

This message is shown: Your current configuration table is: <header of the current configuration table> file. Your instrument is upgraded to the latest firmware configuration table. Click Cancel to exit this program or click Downgrade if you wish to upload another Configuration Table.

7. To close the ConfigUpdater utility, click **Cancel**.

The system goes back to the configuration that is supported by the Analyst software 1.7.4 with HotFix 1.

Changed and Added Files

The Analyst 1.7.4 HotFix 2 makes changes to these files:

C:\Program Files (x86)

- Analyst\bin (all files are updated)
 - Analyst.exe
 - AnalystService.exe
 - CSMSMassSpec.dll
 - DDMSMasspec.dll
 - MSMethodSvr.dll
 - ParamSettingsEditor.dll
 - QuantRT.ocx
 - ScriptUtilities.dll
 - TuneDir.dll
- Analyst\Firmware
 - QIL0206 (added unless Analyst 1.7.4 HotFix for ICB-5 Firmware was installed)
 - FW5500+r500.fw (added)
- Analyst\Firmware\ConfigUpdater (all files are added)
 - AxInterop.ComctlLib.dll
 - AxInterop.InetCtlsObjects.dll
 - AxInterop.MSCommLib.dll
 - AxInterop.MSFlexGridLib.dll
 - AxInterop.MSWinsockLib.dll
 - ConfigUpdater.exe
 - ConfigUpdater.exe.config
 - ConfigUpdater.pdb
 - ConfigUpdater.xml
 - Interop.ComctlLib.dll
 - Interop.InetCtlsObjects.dll
 - Interop.MSCommLib.dll
 - Interop.MSFlexGridLib.dll
 - Interop.MSWinsockLib.dll

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- Interop.Scripting.dll
- UpdateConfig.ini
- Analyst\Help
 - Analyst 1.7.4 HotFix 2 Release Notes.pdf (added)

Tip! A shortcut to the Release Notes can be found in this location: **Start > SCIEX Analyst > Analyst Documentation.**

- AB SCIEX\AnalystReporter\bin
 - Interop.QuantRT2.dll (updated)
 - Sciex.Report.DataSource.Analyst.dll (updated)

Analyst Data

- Projects\API Instrument\Templates
 - Analyte20percent.Query (updated)

Changed and Added Files in the AB SCIEX Reporter Template Suite 3.2 HotFix 1

AB SCIEX Reporter Template Suite 3.2 HotFix 1 makes changes to these files in the C : \Program Files\AB SCIEX\ folder:

Note: These files are not removed when Analyst 1.7.4 HotFix 2 is removed. To remove them, remove AB SCIEX Reporter Template Suite 3.2 HotFix 1. For instructions, refer to the document: *AB SCIEX Reporter Template Suite 3.2 HotFix 1 Release Notes.*

- ReporterOfficeAddins\TemplateContentControlManager
 - ABSciexReporterCommandsSchema.dll (updated)
 - BlankTemplate.docx (updated)
 - Microsoft.Office.Tools.Common.dll (new)
 - Microsoft.Office.Tools.Common.v4.0.Utilities.dll (updated)
 - Microsoft.Office.Tools.dll (new)
 - Microsoft.Office.Tools.v4.0.Framework.dll (new)
 - Microsoft.Office.Tools.Word.dll (new)
 - Microsoft.VisualStudio.Tools.Applications.Runtime.dll (new)
 - AB SCIEX Reporter Template Suite 3.2 HotFix 1 Release Notes.pdf (new)

- `TemplateContentControlManager.dll` (updated)
- `TemplateContentControlManager.dll.manifest` (updated)
- `TemplateContentControlManager.vsto` (updated)
- `ReporterTemplateUpdater` (folder and all files are new)
 - `DocumentFormat.OpenXml.dll`
 - `ReporterTemplateUpdater.exe`
 - `ReporterTemplateUpdater.exe.config`

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Customer Training

- Global: sciex.com/contact-us

Online Learning Center

- [SCIEX Now Learning Hub](#)

SCIEX Support

SCIEX and its representatives have a global staff of fully-trained service and technical specialists. They can supply answers to questions about the system or any technical issues that might occur. For more information, go to the SCIEX website at sciex.com or use one of the links that follow to contact us.

- sciex.com/contact-us

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- sciex.com/request-support

Cybersecurity

For the latest guidance on cybersecurity for SCIEX products, visit sciex.com/productsecurity.

Documentation

This version of the document supersedes all of the previous versions of this document.

To find software product documentation, refer to the release notes or software installation guide that comes with the software.

To find hardware product documentation, refer to the documentation that comes with the system or component.

The latest versions of the documentation are available on the SCIEX website, at sciex.com/customer-documents.

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