Analyst MD 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 MD Software 1.7.4 with HotFix 1 Release Notes*
- *Analyst MD 1.7.4 HotFix for ICB-5 Firmware Release Notes*
- *AB SCIEX Reporter Template Suite 3.2 Component for Office 2024 Release Notes*
- *Analyst MD Software 1.7.4 with HotFix 1 Installation Guide*

New in Analyst MD 1.7.4 HotFix 2

Enhancements

Support for Microsoft Office 2024

The Analyst MD 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 MD software 1.7.4 with HotFix 1.

AB SCIEX Reporter Template Suite 3.2 Component for Office 2024

Analyst MD 1.7.4 HotFix 2 includes AB SCIEX Reporter Template Suite 3.2 Component for Office 2024. Templates for the Reporter software can now be edited in Microsoft Office 2024. AB SCIEX Reporter Template Suite 3.2 Component for Office 2024 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 Component for Office 2024 to edit templates for the Reporter software, refer to the document: *AB SCIEX Reporter Template Suite 3.2 Component for Office 2024 Release Notes*.

Corrected Issues

Verify Instrument Performance might report peak-width failures

When the Verify Instrument Performance procedure of Instrument Optimization is run, some ions might show peak-width failures if the declustering potential (DP) values that are used are different from the DP values that are used to tune the system manually. (AN-4357)

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 Citrine 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 MD 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 4500MD systems
- Citrine systems

(AN-4066, AN-4135)

Known Issues and Limitations

Before a reporter template is edited with AB SCIEX Reporter Template Suite 3.2 Component for Office 2024, 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.

Auxiliary Trace Scaling Issue for Shimadzu LC Systems Configured through the Integrated System Shimadzu LC Controller

If the Integrated System Shimadzu LC Controller was used to configure the Shimadzu LC system, then auxiliary traces are shown at 10 times their actual scale. The correct values are shown in the file information.

To prevent this issue, use the Integrated System Shimadzu LC-20/30 Controller to configure the Shimadzu LC system. Note that if the controller configuration is changed, then all of the acquisition methods that are related to the system must be created again, because saved methods are not compatible with the new controller configuration.

Installation

Install the HotFix

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

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 MD software.
4. Go to sciex.com/software-downloads, and then click Analyst MD 1.7.4.

   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 `AnalystMD1.7.4HF2.zip` file, and then click **Extract All**.

b. Browse to and then select the destination folder, and then click **Extract**.

6. Browse to and then double-click the `setup.exe` file.
7. Obey the on-screen instructions to complete the installation.
8. SCIEX 4500MD systems and Citrine systems with ICB-5: If applicable, then upgrade the firmware. Refer to the section: Update the Firmware.

Note: If these systems have the Analyst MD 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 MD 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 4500MD systems
- Citrine 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 MD 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 MD** > **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 4500MD systems and Citrine systems with ICB-5: We do not recommend that the Analyst MD 1.7.4 HotFix 2 be removed from these systems. The removal of the HotFix will result in the use of an unsupported software configuration. If the HotFix must be removed, then first remove the Analyst MD 1.7.4 HotFix 2 and then install the compatible firmware. To install the compatible firmware (QIL0205), browse to the folder `Extras\Instrument Update\ConfigUpdater` in the Analyst MD software 1.7.4 with HotFix 1 package, and then run the `ConfigUpdater.exe` utility. The system goes back to the Analyst MD software 1.7.4 with HotFix 1.

Note: AB SCIEX Reporter Template Suite 3.2 Component for Office 2024 is not removed when Analyst MD 1.7.4 HotFix 2 is removed. To remove AB SCIEX Reporter Template Suite 3.2 Component for Office 2024, refer to the document: *AB SCIEX Reporter Template Suite 3.2 Component for Office 2024 Release Notes*.

1. Log on to the computer as a user with Administrator privileges.
2. In the Analyst MD software, deactivate the hardware profile.
3. Close the Analyst MD software.
4. Open Control Panel, and then open Programs and Features.
5. Select **Analyst MD 1.7.4 HotFix 2**, and then click **Uninstall**.
6. Obey the on-screen instructions.
7. Close Control Panel.
8. Install the firmware version that is compatible with the Analyst MD 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 MD software 1.7.4 with HotFix 1 package, and then run the `ConfigUpdater.exe` utility.
   The Select Interface dialog opens. The **Ethernet** interface option is selected.
2. Click **OK**.

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

   Note: The `ConfigUpdater.exe` utility will reset the mass spectrometer. This is usual and is required by the update process.
3. Click **Next**.

   The 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 the message `Uploaded firmware is ready` is shown.
5. Click **OK**.
   The Firmware/Configuration Table Update Program dialog with a list of supported instruments opens.
6. Click **Next**.

   The 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.exe` utility, click **Cancel**.
   The system goes back to the configuration supported by the Analyst MD software 1.7.4 with HotFix 1.

Changed and Added Files

The Analyst MD 1.7.4 HotFix 2 makes changes to these folders that are in the `C:\Program Files (x86)\Analyst` folder.

`Analyst\bin` (All files are updated)

- `Analyst.exe`

- DDMSMassSpec.dll
- QuantRT.ocx

Analyst\Firmware

- QIL0206 (added unless Analyst MD 1.7.4 HotFix for ICB-5 Firmware was installed)

Analyst\Firmware\ConfigUpdater

All files are added unless Analyst MD 1.7.4 HotFix for ICB-5 Firmware was installed

- 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
- Interop.Scripting.dll
- UpdateConfig.ini

Analyst\Help

- *Analyst MD 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 MD** > **Analyst MD Documentation**

AB SCIEX\AnalystReporter\bin

- `Interop.QuantRT2.dll` (updated)
- `Sciex.Report.DataSource.Analyst.dll` (updated)

Analyst Data\Projects\API Instrument\Templates

- `Analyte20percent.Query` (updated)

Analyst Data\Projects\API Instrument\Instrument Optimization\settings

All files are updated.

- `32Q.POS.PPG.csv`
- `32Q.NEG.PPG 3000.csv`
- `API32.POS.PPG.csv`
- `API32.NEG.PPG 3000.csv`
- `45Q.POS.PPG.csv`
- `45Q.NEG.PPG3000.csv`
- `API45.POS.PPG.csv`
- `API45.NEG.PPG3000.csv`
- `CitrineApiLM.POS.PPG.csv`
- `CitrineApiLM.NEG.PPG3000.csv`
- `CitrineApiHM.POS.PPG.csv`
- `CitrineApiHM.NEG.PPG3000.csv`
- `CitrineQtLM.POS.PPG.csv`
- `CitrineQtLM.NEG.PPG3000.csv`
- `CitrineQtHM.POS.PPG.csv`
- `CitrineQtHM.NEG.PPG3000.csv`

Changed and Added Files in the AB SCIEX Reporter Template Suite 3.2 Component for Office 2024

AB SCIEX Reporter Template Suite 3.2 Component for Office 2024 makes changes to these files in the `C:\Program Files\AB SCIEX\` folder:

Note: These files are not removed when Analyst MD 1.7.4 HotFix 2 is removed. To remove them, remove AB SCIEX Reporter Template Suite 3.2 Component for Office 2024. For instructions, refer to the document: *AB SCIEX Reporter Template Suite 3.2 Component for Office 2024 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 Component for Office 2024 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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Online Learning Center

- SCIEX Now Learning Hub

SCIEX Support

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- sciex.com/contact-us
- 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.

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