

TraceFinder 5.2 SP1 Release Notes

These release notes briefly list features in the Thermo TraceFinder™ 5.2 SP1 data system and known issues that still exist in the TraceFinder application.

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For information on installing TraceFinder 5.2 SP1 software, refer to the DVD insert. For information on configuring and using Thermo Scientific™ detection devices, refer to their individual manuals available as PDF files or the Help.

Features

This release incorporates the following new or enhanced features:

- Bracketed Calibration
- Pharmacopoeia Signal- to-Noise ratio

System

Requirements

These are the minimum hardware and software configurations required for TraceFinder 5.2 SP1 operation.

Table 1. System requirements

System	Requirements
Hardware	<ul style="list-style-type: none">• 3.1 GHz Quad core processor with 16 GB RAM• Video card and monitor capable of 1920 × 1080 resolution• 1 TB hard drive• CD/R-ROM drive (or DVD)
Software	<ul style="list-style-type: none">• Microsoft™ .NET Core Runtime 2.1.11 (x64)• Adobe™ Reader™ 10.1• Thermo Scientific™ software:<ul style="list-style-type: none">– Xcalibur™ data system 4.5 SP1– Foundation™ platform 3.1 SP8– mzVault™ 2.3 SP1– FreeStyle™ 1.8 SP2• Operating system (one of the following):<ul style="list-style-type: none">– Microsoft Windows 10 x64 IoT Enterprise 2016 LTSC– Microsoft Windows 10 x64 IoT Enterprise 2019 LTSC

Important Information

CAUTION The TraceFinder application supports only US English versions of Windows and Office, with the English locale settings.

Apart from date localization in reports, no other locale settings (such as change of decimal separator or change of list separator) are supported. To avoid failure of data acquisition and processing, be sure to test all settings.

Resolved Issues

The following table lists defects that were resolved after the TraceFinder 5.1 SP3 release. The table excludes Help issues and any cosmetic fixes. In some cases, the abstract has been amended or extended from the original to better describe the reported issue.

Table 2. Resolved issues

Software section	Severity	Abstract	Item ID
Master Method	Major	Incorrect Target Ion Ration calculation.	179076
Master Method	Major	Incorrect MM creation from CDB for SRM and also incorrect scan filter.	179604
Data Review	Major	No library matching, random.	182289
Data Review	Major	Unable to add reference samples to batches.	130492
Data Review	Major	Change of names and vial positions.	182290
Data Review	Major	Missing data upon reopening of the batch.	184279
Data Review	Major	Cannot open selected batch.	184279
Master Method	Major	Target Ion ratio does not update correctly after switching ratios between manual and average.	185416
Acquisition Wizard	Major	Creating a new batch template causes UE	186283
Local Method	Major	Instrument Method change in the local method not saved	187082
Local Method	Major	Cannot update Local Method from Master Method	191117
Data Review	Major	Target Screening Data Review does not refresh Compound Details Spectrum pane when switching from unprocessed to processed sample	354840
Processing	Major	TraceFinder locks when submitting a batch for processing if a sample is not valid	361851
Reporting	Major	Manually integrated compounds show incorrect information in results grid and reports	366956
Method Development	Major	Blank Method – No confirming peaks display and peak integration issue	374128
Master Method	Major	Method Forge – No Quan Peak, No Confirming Peaks, No Peak settings upon creation and Peak integration issue after saving Master Method	374088
Master Method	Major	Unhandled exception when opening a Master Method after associating a RAW file, saving and trying to re-open the method	374115
Processing	Major	Data loss- Calculated amounts for quadratic curve type is not correctly calculated	349985
Data review	Major	Target screening data does not refresh when a new Target Screening batch is opened	351009
Processing	Major	NIST library search not correctly identifying precursor value	373690

Known Issues

Suggested recovery actions

- For multiplexing, you must set the data window in both the MS method and the MUXvi Data window. The MS method must be equal to or less than the MUXvi data window.

- For multiplexing, in Configuration and Acquisition Defaults, use full batch submission mode. The Single Sample Submission (Aria instruments) option is for only when user does not want to use multiplexing.
- You can export CSV files, but only cells and columns for grids in the Method Development section can be pasted back into the application.
- When you use MUXvi, the Startup and Shutdown methods are deactivated.
- Instrument methods must reside in the TraceFinder methods folder.
- LCquan™ methods are not imported directly into the TraceFinder application.
- Loss of scroll bars and windows might occur in some of the views. Installing the latest stable video driver and Windows update (at support.microsoft.com/kb/2670838) fixes this issue.
- Microsoft Excel™ style reports that contain more than 10 000 rows of data or that exceed 1024 pages might hang the OpenOffice™ application or show an Excel corruption error. You can open the file in the Excel application, but it removes formatting as part of the repair. To open in the OpenOffice application requires a smaller report to be created.
- Converted legacy data target screening batches might require reprocessing to show data correctly.
- If a user has not been given folder permissions to repositories that the TraceFinder application has access to, the application crashes. Give all users access to at least the default locations set in the Administrator Console.
- Ensure the TraceFinder Data directory and anything Thermo or Thermo Scientific, or Thermo Fisher or, Thermo Fisher scientific (such as Program Data, Program Files) are excluded from being actively scanned by anti-virus software.
- Converted quantitative batches will require reprocessing to correctly show quan flags.
- Windows 10 update released on June 9, 2020 causes report generation to crash. Windows has fixed the issue with later updates.

Feature Requests and other Removed Items

- We do not include issues where there is insufficient information logged to successfully reproduce the reported problem.
- We do not list feature requests as software issues, regardless of the reported significance or severity of the request.
- Product managers evaluate logged feature requests for future releases.
- We report only discrepancies in the documented software as known issues.

Terminology

Severity	Interpretation
Crash/Data Loss	A problem that renders the system unusable because either an entire function is unusable and no workaround exists, or use of the current system compromises data integrity or results in data loss. Catastrophic problems also include significant and non-obvious quantitative errors, and all human and instrument safety issues.
Major Problem	A serious issue that does not affect data integrity (meaning data loss, corruption of data, or the wrong answer), but affects the customer's ability to use the product as designed. It can be a failure, design issue, or documentation error or omission. A workaround might or might not exist.
Minor Problem	A minor error or poor behavior of a product feature. There is probably a workaround.
Cosmetic	An issue that has a limited effect on customer usage of the product; for defects with visibility so low that a customer might never see it; or for ease of use issues or other items not causing any performance degradation.
Risk	Interpretation
High	Occurrence is likely to happen and can compromise operation.

Risk	Interpretation
Medium	Occurrence is uncommon, but if it occurs, can compromise operation.
Low	Issue is minor; however, the software might operate differently from a user's expectations. A workaround is often available.
No risk	This issue causes no problems but is commonly an inconsistency or a cosmetic issue.

Known Defects

Table 3 contains known defects in the software, categorized by software section, with a brief abstract and information related to each defect's severity and risk. The Item ID is the internal number assigned to each issue. Product management assesses risk, which can differ significantly from the reported severity.

Table 3. Known defects (Sheet 1 of 2)

Software section	Severity	Abstract	Risk	Item ID
Administrator Console	Major	Continuous TraceFinder log overfilled hard drive.	High	267423
Method Development	Major	Manual Peak Creator Panel error in TF 5.1 SP3.	Medium	273855
Method Development	Major	When an error is made creating a CDB, and an attempt is made to export it, a confusing error message is displayed.	Medium	277464
Acquisition	Minor	Startup and Shutdown methods are not recognized unless the batch is saved prior to submitting.	Low	275200
Administrator Console	Minor	TF does not currently warn the user if disk fills up on Batch Save As.	Medium	272934
Analysis	Major	Support – Report generated has incorrect value for calculated amount.	Medium	216424
Installation	Minor	When uninstall completes, the final message states 'Installation was successful'.	Medium	275997
Method development	Major	Some CDBs have duplicate compounds, which prevents those compounds from being read by MS method editors.	Medium	279374
Administrator Console	Minor	Setting date back on PC will force error message when launching TF, but option provided in error message is not working correctly.	Low	283666
Method development	Minor	CDB import is not working correctly.	Low	319023
Acquisition	Major	When a Calibration Group batch is saved with another name (Save As), all calibration curves are lost.	Medium	318722
Analysis	Major	Sample Order Changed After Processing error	Medium	364074
Reporting	Minor	Min Peak Height (S/N) value for Genesis is absent within Application Configuration report	Medium	290714
Acquisition	Minor	Delete key fails to delete samples in queue. Right mouse button operation is still able to delete samples within the queue.	Medium	355322
Processing	Major	Manually processed samples are not saved if the application is closed before reprocessing is complete. The processing status bar should be enabled to confirm processing completes prior to closing the application.	Medium	366956
Data Review	Minor	Invalid characters used in Grid Template names are converted to underscore characters.	Low	357133

Trademarks

Table 3. Known defects (Sheet 2 of 2)

Software section	Severity	Abstract	Risk	Item ID
Processing	Major	Manual integrations persist after method updates and method values must be manually selected.	Medium	378107

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