

Solutions - Rename filenames by folder names (import AIA from Chemstation)

Introduction

After exporting chromatograms to AIA (*.cdf) format in Chemstation the files will be exported to the structure organized by chromatograms.

To use it for any automatic processing, such as import to Clarity, we will need to name the filenames according to the chromatogram name indicated in the parent folder and move the chromatograms to a single output folder.



There are many ways how to do that, here we provide solution that uses the command line tool of the using the Bulk Rename Utility (BRC) that is available at <http://www.bulkrenameutility.co.uk>. **Please be aware that to use Bulk Rename Utility within a business entity, company or for commercial purposes, a commercial license is required.**

What is the batch file for?

1. check which version of OS you have (32 or 64bit) to determine which BRC version to use
2. rename the cdf files in the structure (e.g. from signal01.cdf to chromA_01.cdf)
3. move the cdf files to one single output folder
4. remove the empty folders

You can easily comment out the steps 2 and 3 to limit the tool only to renaming.

You can download the prepared batch file from

https://downloads.dataapex.com/documentation/clarity/other/Rename_filenames_by_folder_names.zip

How to use example:

1. Download the cdfstore.zip file.
(it contains the BRC utility, rename-cdf.bat file, and demo IN and OUT folders.)
2. Extract it to selected location.
3. Open the rename-aia.bat (located in the BRC subfolder) in Notepad and
 - a. Edit lines 5 and 6 (to set the INFOLDER and OUTFOLDER)
 - b. Edit lines 24 and 26 (to set the selected location of the *.exe file)

If you do not want to move the files or to delete the unused folders in the INFOLDER then add :: in the beginning of lines 28 and 31

4. Save the rename-aia.bat file and run it by doubleclicking it in file explorer.

Contents of the batch file

```
1  :: This batch uses the Bulk Rename Utility Tool - the commandline version BRC (http://www.bulkrenameutility.co.uk) Please be aware that to use
2  Bulk Rename Utility within a business entity, company or for commercial purposes, a commercial license is required.
3  :: to replace the names of the *.cdf files with the names of their parent folder
4  :: both versions (32 and 64bit) of brc tools are included and the automatically uses the correct one
5
6  set INFOLDER="C:\Temp\cdfstore\ai-a-IN"
7  set OUTFOLDER="C:\Temp\cdfstore\ai-a-OUT"
8
9  :: 1. Find out if this Windows is 64bit or 32bit
10 echo off
11 Set RegQry=HKLM\Hardware\Description\System\CentralProcessor\0
12 REG.exe Query %RegQry% > checkOS.txt
13 Find /i "x86" < CheckOS.txt > StringCheck.txt
14
15 If %ERRORLEVEL% == 0 (
16     Set OsType="32Bit"
17     echo "We are running 32bit version of Windows OS -> BRC32"
18 ) ELSE (
19     Set OsType="64Bit"
20     echo "We are running 64bit version of Windows OS -> BRC64"
21 )
22
23 :: 2. Rename
24 If %OsType%=="32Bit" (
25     C:\Temp\cdfstore\brc\brc32\BRC32.exe /DIR:%INFOLDER% /RECURSIVE /PATTERN:"*.cdf" /CUTFIRSTIN:6 /APPENDFOLDER:P:1 /REPLACECS:.AIA:_ /EXECUTE
26 ) ELSE (
27     C:\Temp\cdfstore\brc\brc64\BRC64.exe /DIR:%INFOLDER% /RECURSIVE /PATTERN:"*.cdf" /CUTFIRSTIN:6 /APPENDFOLDER:P:1 /REPLACECS:.AIA:_ /EXECUTE
28 )
29
30 :: 3. Move to specified folder of the structure
31 :: Set the target outside the structure, otherwise the files will get renamed again to the new parent!
32 FOR /R %INFOLDER% %%G IN (*.cdf) DO move "%%G" %OUTFOLDER%
33
34 :: 4. remove the folders from the structure - use only if there are no other files then the moved *.cdf files
35 FOR /D %%G IN (%INFOLDER%\*.*) DO rmdir "%%G" /s /q
```

Send your comments, suggestions or questions to kohutek@dataapex.com or visit the Clarity forum at <http://forum.dataapex.com> where you can share your experience, wishes and more.