LcmsNet Sample Validation

LcmsNet sample validation is done through MEF extensions. A user writes a validation class that implements the ISampleValidator interface from the LcmsNetSDK. Additionally, associated data should be exported This validation is placed within the %appdata%\LCMSNet\SampleValidators directory. LcmsNet, if already running, must be restarted for the new validation to be discovered and utilized.

LcmsNet runs all samples against every validator found by MEF, and if a sample fails any validation, LcmsNet refuses to queue it, or any following samples in the queue until the sample has been fixed to be valid according to the current set of validations.

Further, if a DMS system is in use, and a DMS validator is found, samples are validated against it as well.

Example /// <summary>

/// Validates a sample for the basics before it can be run by LCMSNet.

/// </summary>

[Export(typeof(ISampleValidator))]

[ExportMetadata("Name", "CoreSampleValidator")]

[ExportMetadata("Version", "1.0")]

public class classCoreSampleValidator : ISampleValidator

{

/// <summary>

/// Validates a sample based on the methods being correct and not in error.

/// </summary>

/// <param name="sample"></param>

/// <returns></returns>

public List<classSampleValidationError> ValidateSamples(classSampleData sample)

{

/// <summary>

/// Implementation

/// </summary>

}

/// <summary>

/// Validates a list of samples to make sure if they are from the same block, they run on the same column.

/// </summary>

/// <param name="samples"></param>

/// <returns></returns>

public List<classSampleData> ValidateBlocks(List<classSampleData> samples)

{

/// <summary>

/// Implementation

/// </summary>

}

}