Technichal:

1. Use Midar for import.
2. Use r package “rhandsontable”, only show the sample names and some annotation, adding columns “sample amounts”, “dilution series ID” ( “replicates ID” if needed).
3. Two tabs “unfiltered” and “filtered” data.

User:

1. Use Radio buttons to choose the type of data.
2. Upload either Masshunter, plain csv files or MRMkit.
3. Select the samples with curtain names by text input, separated by “,”.
4. Use the checkbox to choose the needed samples.
5. User fill columns “sample amounts”, “dilution series ID”.
6. Can choose one of the tabs “unfiltered” and “filtered” data.
7. Choose how many rows and columns of plots per page (default 4\*5).
8. Download pdf files of plots and the excel files with the information of lancer.

Chatgpt

use shiny in R to build. Left part: choose data type (csv or excel) upload the data. Right part: use r package “rhandsontable” to filter the data and show the filtered data. Choose the number of rows and columns of plots per page for the pdf file. download the pdf and excel file.

Tab view

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1. Get the path of the data, use Midar to read and transform to long table. Select file
2. Create a new table, only show unique “raw\_data\_filename”, create empty column “is\_rqc”, “curve\_id”, “sample\_amount”.
3. Suppose is\_rqc is FALSE, the “curve\_id”, “sample\_amount” will be freezed.