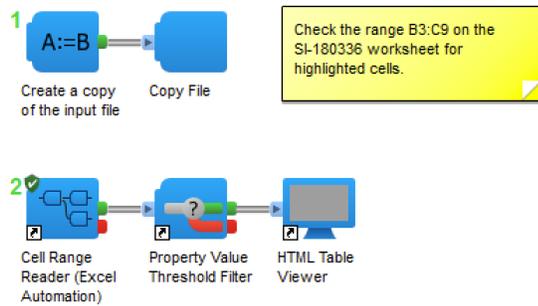


08 Find Highlighted Cells in a Range

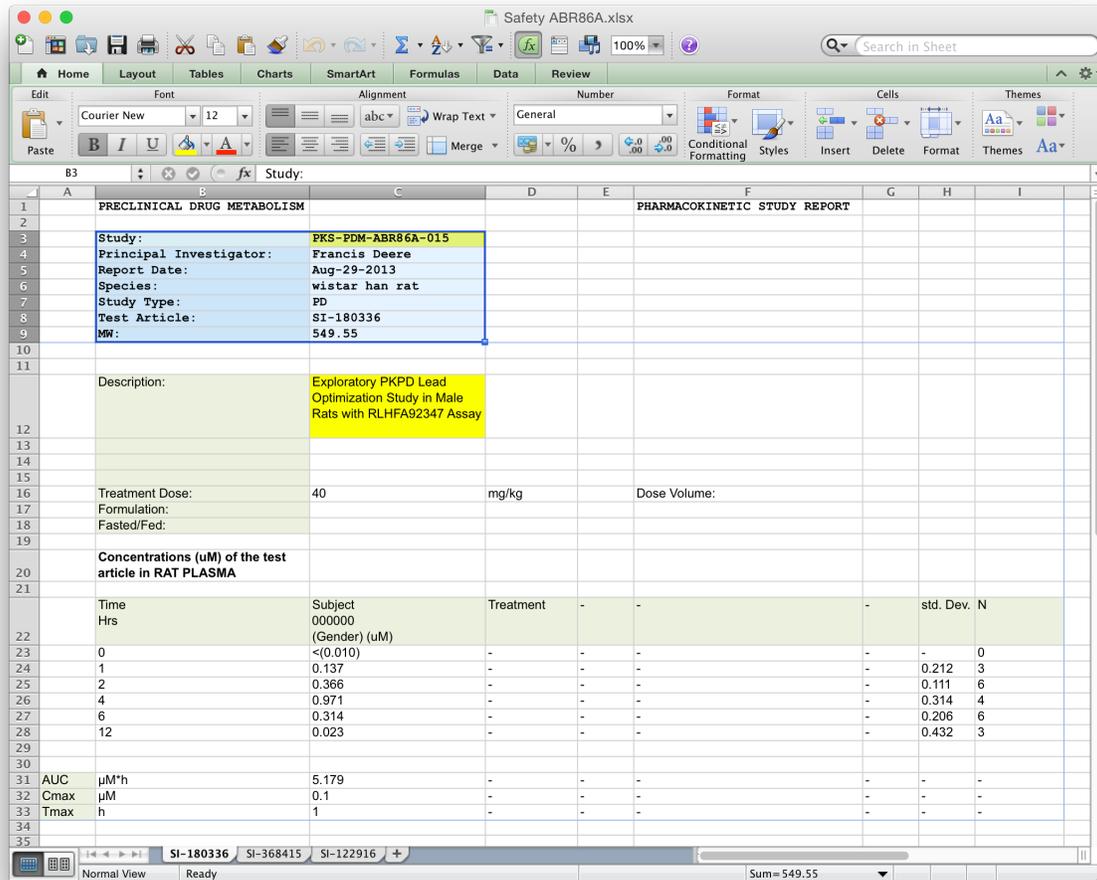
Purpose

Automatically find highlighted cells in a specified cell range and generate an alert.



Workflow

In this example we read cell highlight attributes in the range B3:C9 on the **SI-180336** worksheet in the file data/Safety ABR86A.xlsx.



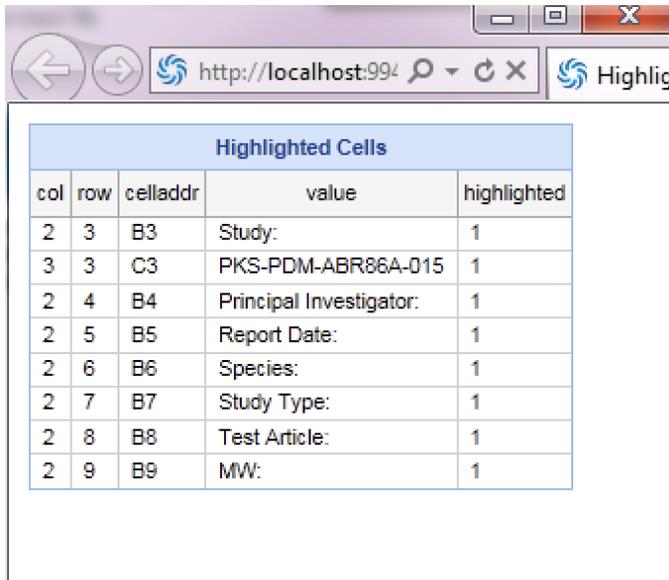
Before reading any data we make a copy of the input file in the job directory. The original input file is shared by all users of the exercise: creating a copy helps ensure it is not accidentally modified if you later decide to use a writer component on it.

Using the **Cell Range Reader** component, we read from our copy of the file. We extract the values and the cell highlight attribute for cells in the range B3:C9 on the **SI-180336** worksheet. We send the cell contents into Pipeline Pilot as data records with the properties "value" and "highlighted". Using a threshold filter component we check for highlighted=1 and generate an alert table in a web browser window.

Cells B3:B9 and C3 are highlighted in the source file.

Results

Here is the result of the protocol.



The screenshot shows a web browser window with the address bar displaying 'http://localhost:994'. The page content is a table titled 'Highlighted Cells'. The table has five columns: 'col', 'row', 'celladdr', 'value', and 'highlighted'. It contains nine rows of data, each representing a highlighted cell in an Excel spreadsheet.

Highlighted Cells				
col	row	celladdr	value	highlighted
2	3	B3	Study:	1
3	3	C3	PKS-PDM-ABR86A-015	1
2	4	B4	Principal Investigator:	1
2	5	B5	Report Date:	1
2	6	B6	Species:	1
2	7	B7	Study Type:	1
2	8	B8	Test Article:	1
2	9	B9	MW:	1