Normal behaviour in SAC after removing a dimension / KF from query
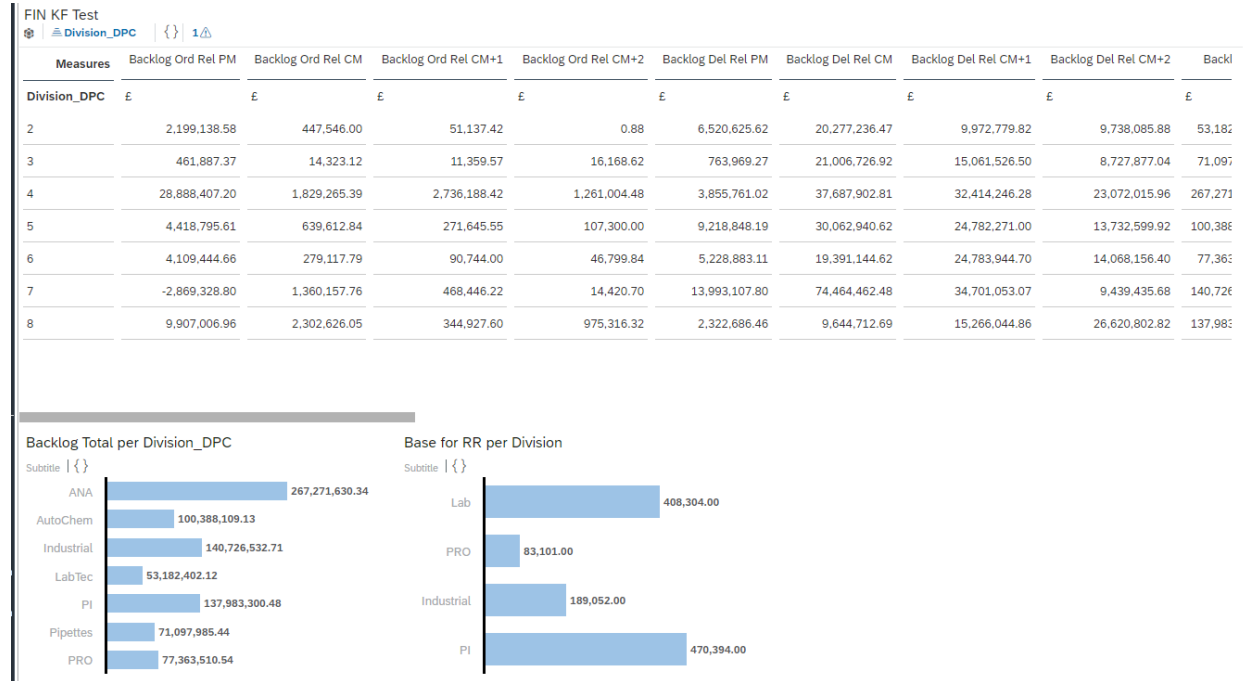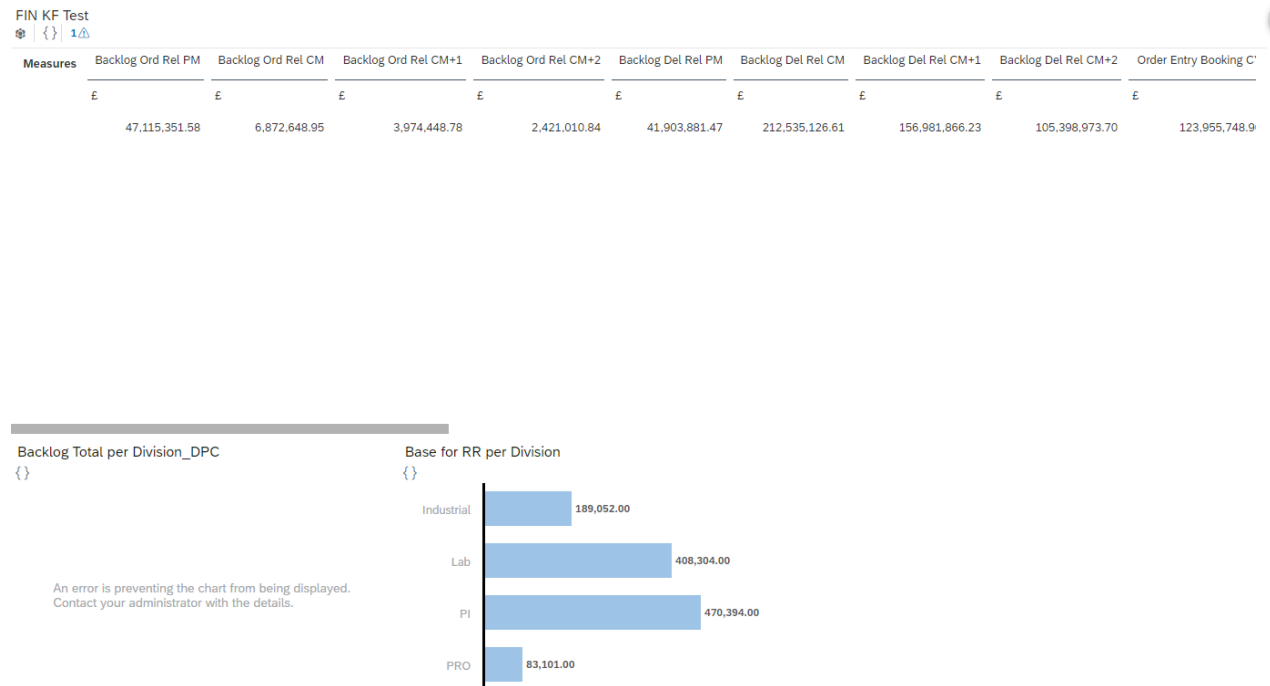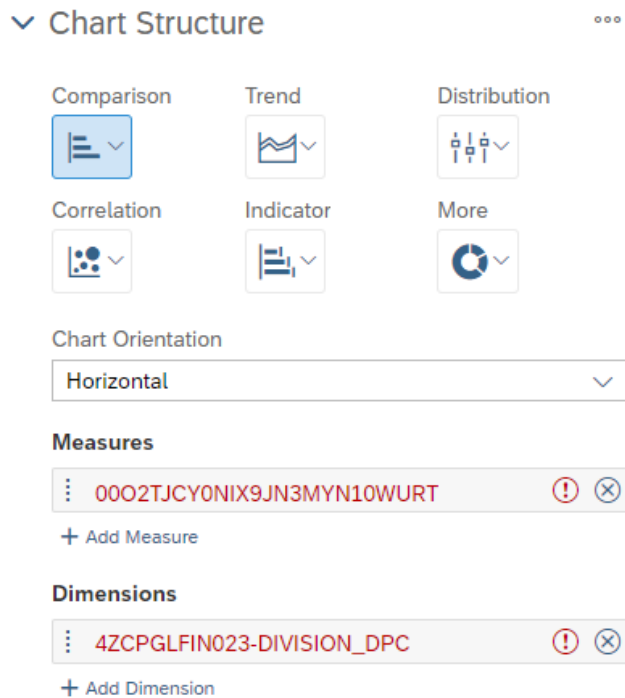
Below is a simple test story with a table widget and 2 chart widget

FIN KF Test
⚙ ≣ Division_DPC { } 1⚠

Measures	Backlog Ord Rel PM	Backlog Ord Rel CM	Backlog Ord Rel CM+1	Backlog Ord Rel CM+2	Backlog Del Rel PM	Backlog Del Rel CM	Backlog Del Rel CM+1	Backlog Del Rel CM+2	Backl
Division_DPC	£	£	£	£	£	£	£	£	£
2	2,199,138.58	447,546.00	51,137.42	0.88	6,520,625.62	20,277,236.47	9,972,779.82	9,738,085.88	53,182
3	461,887.37	14,323.12	11,359.57	16,168.62	763,969.27	21,006,726.92	15,061,526.50	8,727,877.04	71,097
4	28,888,407.20	1,829,265.39	2,736,188.42	1,261,004.48	3,855,761.02	37,687,902.81	32,414,246.28	23,072,015.96	267,271
5	4,418,795.61	639,612.84	271,645.55	107,300.00	9,218,848.19	30,062,940.62	24,782,271.00	13,732,599.92	100,388
6	4,109,444.66	279,117.79	90,744.00	46,799.84	5,228,883.11	19,391,144.62	24,783,944.70	14,068,156.40	77,363
7	-2,869,328.80	1,360,157.76	468,446.22	14,420.70	13,993,107.80	74,464,462.48	34,701,053.07	9,439,435.68	140,726
8	9,907,006.96	2,302,626.05	344,927.60	975,316.32	2,322,686.46	9,644,712.69	15,266,044.86	26,620,802.82	137,983

Backlog Total per Division_DPC
Subtitle | { }

ANA 267,271,630.34
AutoChem 100,388,109.13
Industrial 140,726,532.71
LabTec 53,182,402.12
PI 137,983,300.48
Pipettes 71,097,985.44
PRO 77,363,510.54

Base for RR per Division
Subtitle | { }

Lab 408,304.00
PRO 83,101.00
Industrial 189,052.00
PI 470,394.00

After removing a dimension and key figure from query, SAC story still works. The issue will be to the widgets which are using the removed dimension / KF as shown in one of the widget.

FIN KF Test
⚙ | { } 1⚠

Measures	Backlog Ord Rel PM	Backlog Ord Rel CM	Backlog Ord Rel CM+1	Backlog Ord Rel CM+2	Backlog Del Rel PM	Backlog Del Rel CM	Backlog Del Rel CM+1	Backlog Del Rel CM+2	Order Entry Booking C
	£	£	£	£	£	£	£	£	£
	47,115,351.58	6,872,648.95	3,974,448.78	2,421,010.84	41,903,881.47	212,535,126.61	156,981,866.23	105,398,973.70	123,955,748.9

Backlog Total per Division_DPC
{ }

An error is preventing the chart from being displayed.
Contact your administrator with the details.

Base for RR per Division
{ }

Industrial 189,052.00
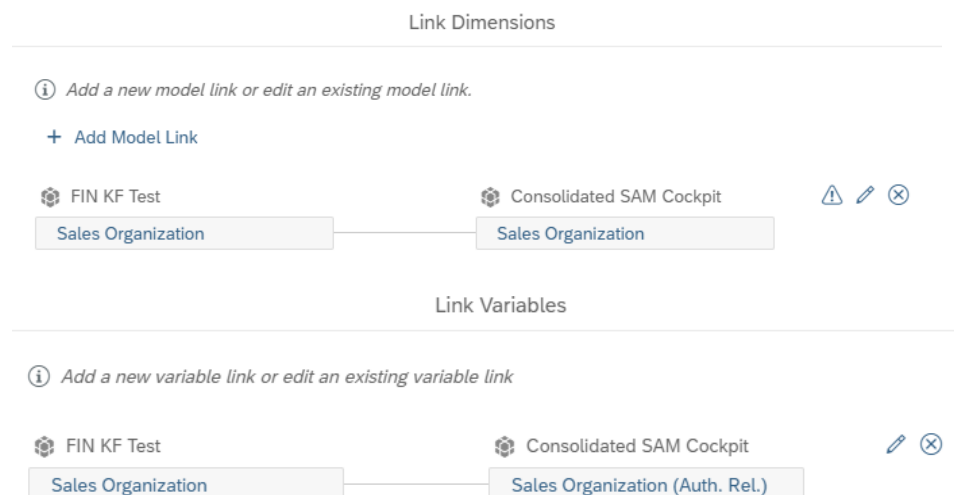Lab 408,304.00
PI 470,394.00
PRO 83,101.00

Upon selecting the builder panel of the errored widget, the removed objects will be highlighted in red as shown below.

Adding the dimension in BW query with the same technical id can remove the error from dimension if it was accidently deleted. But key figures will have a technical name which is auto generated. So, adding them back is not possible. Incase of Key figures, remove the errored out key figure and select the new or required key figure.

Dimension Link and Variable Link

This test story has a dimension link and variable link as shown below.

When the dimension which involved in linking is removed, then error will be shown in the Link Dimension. To remove this error, either **add the removed dimension in query** or else remove the linking from SAC. Similar is with variable as well.

If we add back the variables or dimension, this error will be resolved. Don't do any changes in SAC, if there is a possibility to add back the variable and dimension.