User wishes to swap X-axis and Y-axis, to get X-axis for Area and Y-axis for Amount.

Current fields do not allow Amount in Y-value and Area in X-value. This can be done by creating new custom fields.

Integration Smoothing/Offset		et Componen	ts Impurity	Peak Ratios (N	/IS Ion Ra	tios)   D	efault Am	ounts/Purit	y Named Gro	up	
Average By None 💌			•		Update RT	Never		•			
	RT Window (%)	CCalR	əf1				•				
	Include Inter	' nal Std Amou	nts in % Amount	Calculation							
	Convolo Mohuo T	Amoun	+	Auto Dook La	RT Refe	erence Use	d to Name	•		-	
	Sample value I;	ype Anioun		AUIO Peak La	Unname	d Peaks by	/ RRT:				
)	Name	Peak Label	Retention Time (min)	RT Window (min)	Peak Match	Channel	Y Value	X Value	Fit	Weighting	Ir
1	Acetaminophen	ACE	0.868	0.050	Closest		Area 💌	Amount	Linear	None	
2	Impurity 1	IMP1	1.216	0.050	Closest		Area % Area				
3	Impurity 2	IMP2	1.496	0.050	Closest		Height	4 4 4 4 4			
4	Caffeine	CAF	1.657	0.050	Closest		Corrected Area~ % Height		Linear	None	
5	Acetanilide	ACA	2.095	0.050	Closest		None	/ ********	Linear	None	
6	Acetylsalicylic Acid	ASA	2.788	0.050	Closest		Area	Amount	Linear	None	
7	Impurity 3	IMP3	2 844	0.050	Closest					-	
<b>ا</b>	Integration Smo	oothing/Offse	et Componen	ts Impurity	Peak Ratios (	VIS Ion Ra	itios) C	)efault An	nounts/Purit	y Namedron	bu
	Average By No	ne	•		Update RT	Never		•		0	
	RT Window (%)	5.00	CCalR	əf1				•			
	<ul> <li>Include Inter</li> </ul>	nal Std Amou	nts in % Amount	Calculation							
	Sample Value Ty	ype Amoun	t 💌	Auto Peak La	abel RT Refe Unname	erence Use ed Peaks bj	d to Name y RRT:	•		•	
Ē	Name	Peak Label	Retention Time (min)	RT Window (min)	Peak Match	Channel	Y Value	X Value	Fit	Weighting	1
1	Acetaminophen	ACE	0.868	0.050	Closest		Area	Amol 💌	Linear	None	Π
2	Impurity 1	IMP1	1.216	0.050	Closest			Amount	ation		
3	Impurity 2	IMP2	1.496	0.050	Closest			Concentra			
4	Caffeine	CAF	1.657	0.050	Closest		Area	Amount	Linear	None	Π
5	Acetanilide	ACA	2.095	0.050	Closest		Area	Amount	Linear	None	Π
6	Acetylsalicylic Acid	ASA	2.788	0.050	Closest		Area	Amount	Linear	None	
7	Impurity 3	IMP3	2.844	0.050	Closest						
											second in the local distribution of the loca

## PROCEDURE

- 1. Select the project that requires the new custom fields to be created. Under Empower > Configuration > Properties > Custom fields > New
- 2. To create new custom fields for Area, select "Field Type: Peak" and "Data Type: Real (0.0)". Only by selecting "Peak", then the new custom field will appear in Processing Method's drop down list.

New Custom Field Wizard -	Data and Type Selection	i l		R
$\begin{array}{c} \hline & \hline \\ 6789 \\ \hline \\ \hline \\ \hline \\ Abcdefehilk \\ \hline \\ \hline \\ x + y = z \\ \hline \\ \hline \\ \hline \\ \hline \\ x + y = z \\ \hline \\ \hline \\ \hline \\ x + y = z \\ \hline \\ \hline \\ x + y = z \\ \hline \\ \hline \\ x + y = z \\ \hline \\ \hline \\ x + y = z \\ \hline \\ \hline \\ x + y = z \\ \hline x + y = z \\ x + y \\ x = $	Select whether the field Component, the Samp each Slice in a distribut Field Type Sample Sample Set Select the type of data generated by, the custo	d describes the le Set, the Res ion in a result. C Result C Component that will be ento om field.	Sample, the ult, each Peak or Peak ered in, or	
	Data Type	C Text	C Bool	
	<ul> <li>Real (0.0)</li> </ul>	C Date	C Enum	
	< Back	Next >	Cancel	Help

3. Leave the selections default and click Next.

New Custom Field Wiza	rd - Source Selection			Ś
	Select the source of the da Data Source C. Keyboard	ata: C External	Calculated	
6789	Data entry is required. Default Value :			
y = z 123550 123550 123550 123550 1235				$\hat{}$
Abcdefghi	Search Order: Result Set First 💌	All or Nothing	Use As:	~
	Sample Type: All Peak Type: All		▼ ▼	Peak
	< Back	Next > C	ancel H	elp

## 4. Select Field = Area

	rielu -			
6789 Abox	Fields :		Operations :	
Abodefghi y = z Abodefghi 1234	Acquired By Adjusted Total Area Altered Amount Area Asym Asym @ (10)^2 Asym @ (14.4)^2 Asym @ 10 Asym @ 4.4		- %RSD( & ( ) * * * /	+ AE AV CC EC EC GT CT LN
	<	>	<	>
	Double-Click the Field or Oper	ation to enter it ir	nto the Field edit	area.

5. The width represents how many characters. Precision represents the number of decimal places. A negative sign and decimal place is counted as a character.

This will affect the accuracy of the calibration curve.

	Select the maximum number of characters for this fi Remember to count the decimal point and/or sign characters, it applicable	ield.
6789 Abor Abodestonias Abodestonias Abodestonias Abodestenia y = Z	For numbers of a "Real" data type, select the desire number of characters to the right of the decimal pol Precision : 3	od nt. iímum fiold.
Abcdetghi	Minimum Value : - 99999999.999 Maximum Value : 1000000.000	

6. Enter the name of the field. Give a different name so it is not confused with the original field. In this case, AreaCF stands for Area Custom Field. Click Finish.

New Custom Field Wizard - Na	me Entry	$\times$
6789	Enter the name of the new field. Field Name : AreaCF Create this field in Project: Phyliss\Empower3 Course Data_Phyliss Multiple Projects	
	< Back Finish Cancel Help	

7. Repeat Step 2 to 5 with the same parameters to create another custom field for Amount. In this case, AmountCF

	Field =			
Aber	Fields :		Operations :	
Abodefohik $y = z$	Acquired By Adjusted Total Area Attered Area Asym @ (10)^2 Asym @ (10)^2 Asym @ (10)^2 Asym @ 10 Asym @ 10 Asym @ 4.4	,	- %RSD( & ( )) * * /	+ AE AV CC EN EC GT GT LN
	Double-Click the Field of	r Operation to enter it ir	nto the Field edit	area.

New Custom Field Wizard	d - Name Entry	×
	Enter the name of the new field.	
6789 Abodefobilit y = z Abodefobilit y = z Abodefobilit 12.34	Create this field in  Project: Phyliss\Empower3 Course Data_Phyliss  Multiple Projects	
	< Back Finish Cancel He	łp

8. Return to Result Set > Processing Method > Components The new custom fields now appear in the drop down list. Select AmountCF for Y-value and AreaCF for X-value.

Y Value	X Value	
Area 🔻	Amount	L
Area % Area Height Corrected % Height AmountC AreaCF	1 Area∼ F	

AG Standard 2 in Empower3 Course Data as Alyssa/Administrator - Review - [LC Processing Method] 

 Integration
 Smoothing/Offset
 Components Impurity
 Peak Ratios (MS Ion Ratios)

 Integration
 Smoothing/Offset
 Components Impurity
 Peak Ratios (MS Ion Ratios)
 Default Amounts/Purity
 Named Groups
 Smatability
 Limits
 Noise and Drift

 • 🥖 RT Window (%) 5.00 Update RT Never • CCalRef1 Acetaminophen ٠ Include Internal Std Amounts in % Amount Calculation Sample Value Type Amount Auto Peak Label RT Reference Used to Name Unnamed Peaks by RRT: ٠ Retention Time RT Window (min) (min) RT Rel RT Reference Component Type Internal Std Name Peak Match E Peak Label 3D Channel Name (Descript Channel Y Value X Value Fit Weighting RR 0.044 Closest Acetaminophen AreaCF Linear None 0.083 Closest 2 Caffeine 1.660 AreaCF None IntCF inear 3 2.100 0.105 Closest AmountCF AreaCF Acetanilide inear None 4 2.780 0.139 Closest AreaCF Acetylsalicylic Acid AmountCF None inear 5 3,100 AreaCF Phenacetin 0.155 Closest AmountCF inear None

9. Reprocess and calibrate all the standards.

1000	AG Standard 2 in Empow	er3 Course Data	as Alyssa/Ad	ministrator - Rev	iew - [LC Proc	essing Method]	-					
0	File Edit View Too	Is Plot Proc	ess Navigat	e Options Wi	ndow Help							(°)
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1	Integration Smoothin	g/Offset Com	ponents Imp	urity Peak Ratio	os (MS Ion Ra	tios) Default Am	ounts/Purity Named Groups T	imed Groups	Suitability	imits Noi:	se and Drift	
	Average By None	•		Update F	T Never	•						
	RT Window (%) 5.00		CCalRef1 Ac	etaminophen		•						
	🔽 Include Internal Sto	Amounts in % Ar	nount Calculati	m								
	Sample Value Type	Amount 💌	Auto Pe	ak Label RT Unr	Reference User named Peaks by	d to Name RRT:	•					
E	Name	Component Type	Peak Label	Retention Time (min)	RT Window (min)	Peak Match	3D Channel Name (Description)	Channel	Y Value	X Value	Fit	Weighting
1	Acetaminophen			0.870	0.044	Closest			AmountCF	AreaCF	Linear	None
2	Caffeine			1.660	0.083	Closest			AmountCF	AreaCF	Linear	None
3	Acetaniide			2.100	0.105	Closest			AmountCF	AreaCF	Linear	None
4	Acetylsalicylic Acid			2.780	0.139	Closest			AmountCF	AreaCF	Linear	None
5	Phenacetin			3.100	0.155	Closest			AmountCF	AreaCF	Linear	None
				1								

10. Open calibration curve. The Amount appears in Y-axis and Area is in X-axis.

AG Standard 5 in Empower3 Course Dat File Edit View Tools Plot Pro	ta as Alyssa/Administrator - Review - [Calibri cess Navigate Options Window Help	ation Curve Window}		0				- a ×
988 x 22 0 w	NE DO XX2288	1868 P E B X 🔼		9				
Method         Analgenics           System         ACDUITY_LIPLC02           Corporent         Acetaniception           Equation         ************************************	Detr/Teme         10.11.2021 12.4231 -           Dearrol         ACCUUTY TUV Dearth           Image: Teme (min)         0.875           200         Standard Elson         3.325336           15.000371         Weighting         Nor	00 59 						
40.00							B	-8
23 00- 10 00- 0 00-					8			
.10.00	10000.0	2000.0 30000.0	40000.0	50000 0 AreaCF	60000.0 7000	0.0 80000.0	90000.0	100000.0
1								•
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1	69473 194947	26.464444	69874 467477	A 642			4000	1444
2	78205.641428	28 150000	78039 155651	-0.213	Г		4995	2558
3	M294.829091	31 250000	86111.160203	-0.213	Г		4997	2561
4	95349.266155	34.40000	94313 358377	-1.006	Г	Г	4995	2564
5	101403.059298	37.50000	102385.362930	0.969	Г	Г	5000	2567
() Individual Points Average Point	s /							
For Help, press F1				-		Meth Set: Unti	tied Proc Met	h: Analgesics LC