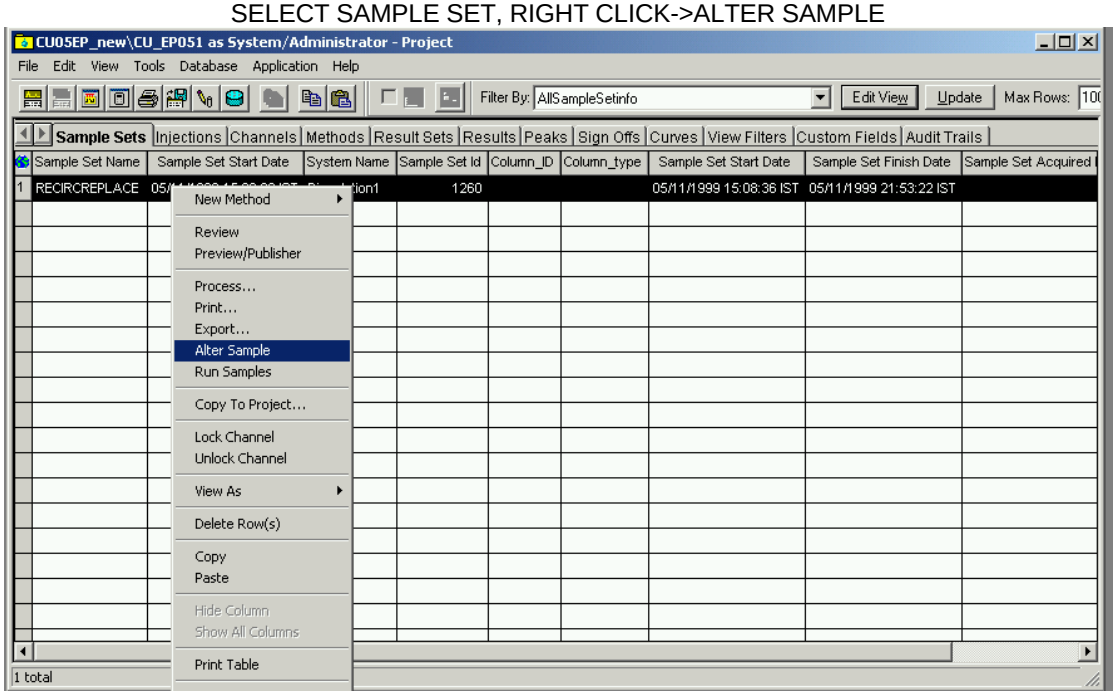
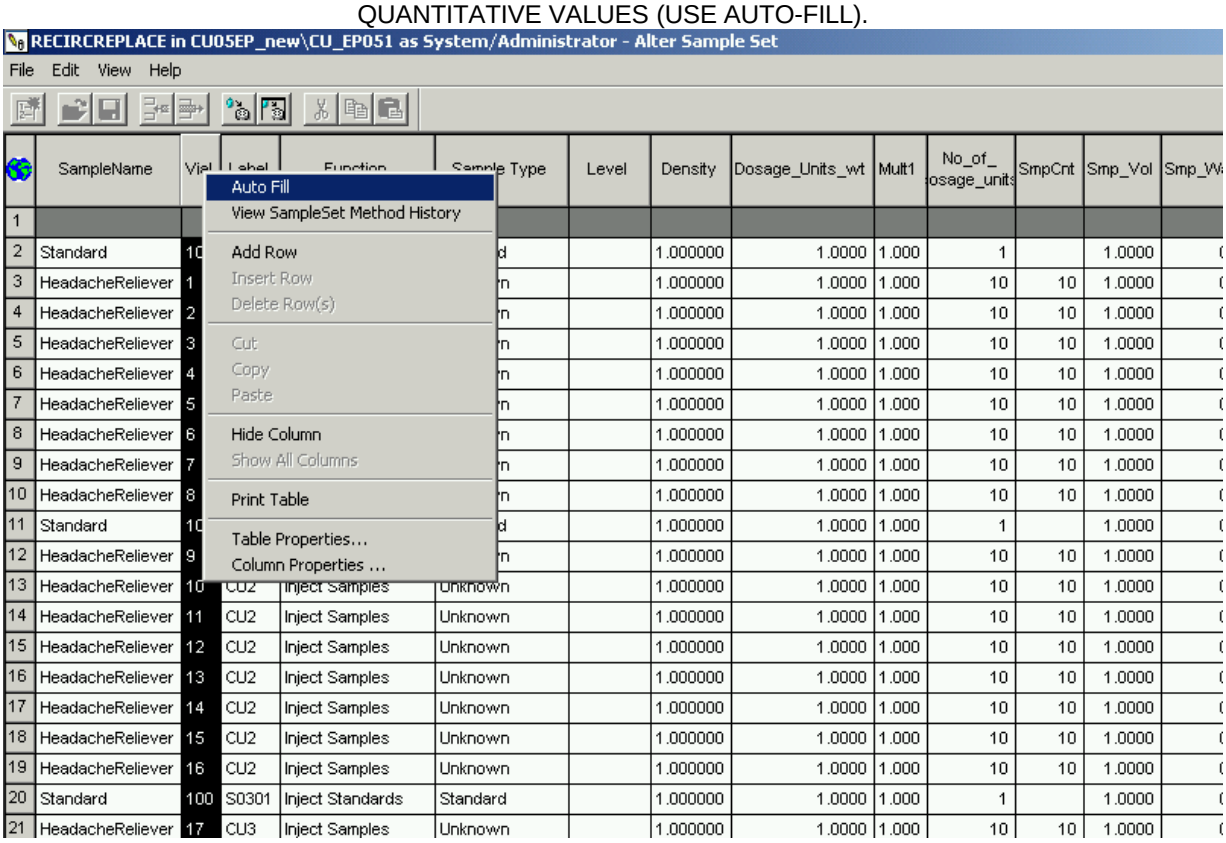
PROCESSING AND CALCULATION of ASSAY IN EMPOWER II

BROWSE PROJECT - GO TO YOUR PROJECT TO SAMPLE SETS VIEW
SELECT SAMPLE SET, RIGHT CLICK->ALTER SAMPLE



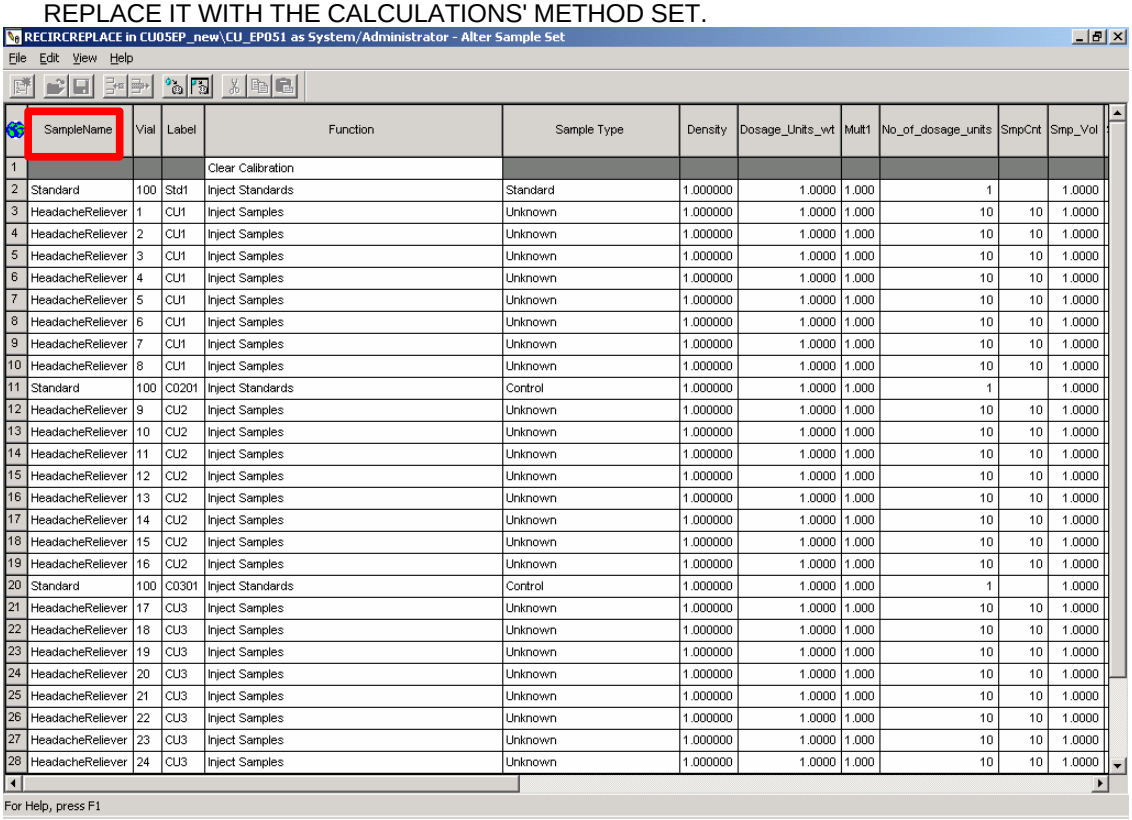
ENTER ALL MISSING SAMPLE INFORMATION, SUCH AS COLUMN TYPE AND MOBILE PHASE AND QUANTITATIVE VALUES (USE AUTO-FILL).



	SampleName	Vial	Label	Function	Sample Type	Level	Density	Dosage_Units_wt	Mult1	No_of_ dosage_units	SmpCnt	Smp_Vol	Smp_Wt
1													
2	Standard	10			d		1.000000	1.0000	1.000	1		1.0000	
3	HeadacheReliever	1			n		1.000000	1.0000	1.000	10	10	1.0000	
4	HeadacheReliever	2			n		1.000000	1.0000	1.000	10	10	1.0000	
5	HeadacheReliever	3			n		1.000000	1.0000	1.000	10	10	1.0000	
6	HeadacheReliever	4			n		1.000000	1.0000	1.000	10	10	1.0000	
7	HeadacheReliever	5			n		1.000000	1.0000	1.000	10	10	1.0000	
8	HeadacheReliever	6			n		1.000000	1.0000	1.000	10	10	1.0000	
9	HeadacheReliever	7			n		1.000000	1.0000	1.000	10	10	1.0000	
10	HeadacheReliever	8			n		1.000000	1.0000	1.000	10	10	1.0000	
11	Standard	10			d		1.000000	1.0000	1.000	1		1.0000	
12	HeadacheReliever	9			n		1.000000	1.0000	1.000	10	10	1.0000	
13	HeadacheReliever	10	CU2	Inject Samples	Unknown		1.000000	1.0000	1.000	10	10	1.0000	
14	HeadacheReliever	11	CU2	Inject Samples	Unknown		1.000000	1.0000	1.000	10	10	1.0000	
15	HeadacheReliever	12	CU2	Inject Samples	Unknown		1.000000	1.0000	1.000	10	10	1.0000	
16	HeadacheReliever	13	CU2	Inject Samples	Unknown		1.000000	1.0000	1.000	10	10	1.0000	
17	HeadacheReliever	14	CU2	Inject Samples	Unknown		1.000000	1.0000	1.000	10	10	1.0000	
18	HeadacheReliever	15	CU2	Inject Samples	Unknown		1.000000	1.0000	1.000	10	10	1.0000	
19	HeadacheReliever	16	CU2	Inject Samples	Unknown		1.000000	1.0000	1.000	10	10	1.0000	
20	Standard	100	S0301	Inject Standards	Standard		1.000000	1.0000	1.000	1		1.0000	
21	HeadacheReliever	17	CU3	Inject Samples	Unknown		1.000000	1.0000	1.000	10	10	1.0000	

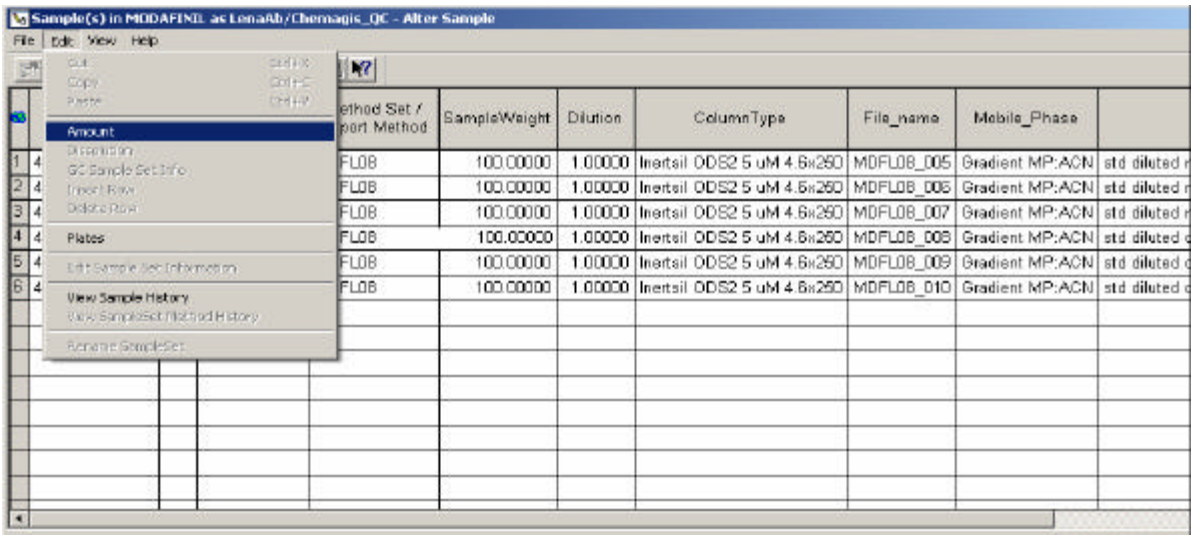
***ALTER SAMPLE* WINDOW IS OPENED:**

1. ARRANGE COLUMNS FOR YOUR CONVENIENCE-YOU CAN DRAG THEM LEFT AND RIGHT.
2. FILL IN THE INFORMATION IN LINE 1 AND COPY IT BY: CNTR-D
3. CHANGE SAMPLE TYPE TO "STANDARDS" IF NECESSARY.
4. LABEL STANDARD 1 AS Std1 and STANDARD 2 AS Std2 **(important for intersample calculations!)**
5. MAKE SURE THAT THE METHOD SET IS THE RIGHT ONE FOR CALCULATIONS. IF NOT, REPLACE IT WITH THE CALCULATIONS' METHOD SET.

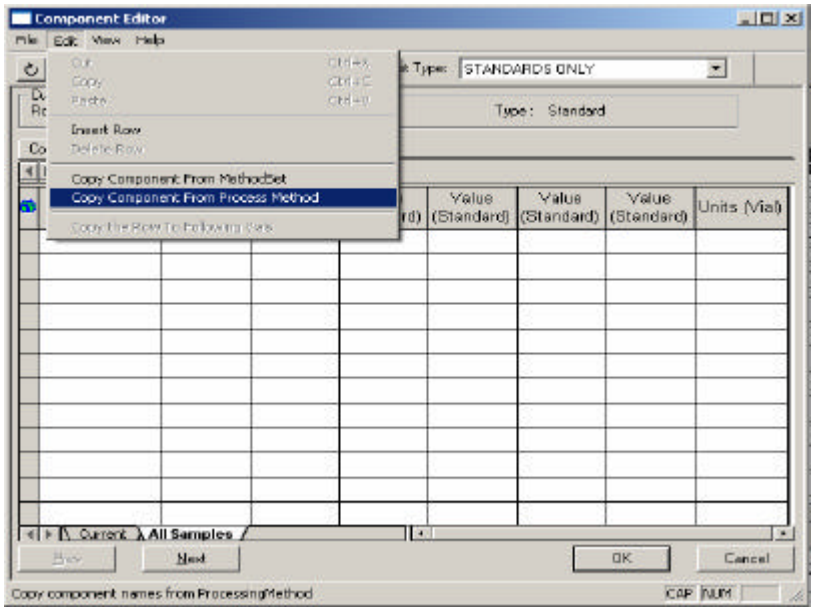


	SampleName	Vial	Label	Function	Sample Type	Density	Dosage_Units_wt	Mult1	No_of_dosage_units	SmpCnt	Smp_Vol
1				Clear Calibration							
2	Standard	100	Std1	Inject Standards	Standard	1.000000	1.0000	1.000	1		1.0000
3	HeadacheReliever	1	CU1	Inject Samples	Unknown	1.000000	1.0000	1.000	10	10	1.0000
4	HeadacheReliever	2	CU1	Inject Samples	Unknown	1.000000	1.0000	1.000	10	10	1.0000
5	HeadacheReliever	3	CU1	Inject Samples	Unknown	1.000000	1.0000	1.000	10	10	1.0000
6	HeadacheReliever	4	CU1	Inject Samples	Unknown	1.000000	1.0000	1.000	10	10	1.0000
7	HeadacheReliever	5	CU1	Inject Samples	Unknown	1.000000	1.0000	1.000	10	10	1.0000
8	HeadacheReliever	6	CU1	Inject Samples	Unknown	1.000000	1.0000	1.000	10	10	1.0000
9	HeadacheReliever	7	CU1	Inject Samples	Unknown	1.000000	1.0000	1.000	10	10	1.0000
10	HeadacheReliever	8	CU1	Inject Samples	Unknown	1.000000	1.0000	1.000	10	10	1.0000
11	Standard	100	C0201	Inject Standards	Control	1.000000	1.0000	1.000	1		1.0000
12	HeadacheReliever	9	CU2	Inject Samples	Unknown	1.000000	1.0000	1.000	10	10	1.0000
13	HeadacheReliever	10	CU2	Inject Samples	Unknown	1.000000	1.0000	1.000	10	10	1.0000
14	HeadacheReliever	11	CU2	Inject Samples	Unknown	1.000000	1.0000	1.000	10	10	1.0000
15	HeadacheReliever	12	CU2	Inject Samples	Unknown	1.000000	1.0000	1.000	10	10	1.0000
16	HeadacheReliever	13	CU2	Inject Samples	Unknown	1.000000	1.0000	1.000	10	10	1.0000
17	HeadacheReliever	14	CU2	Inject Samples	Unknown	1.000000	1.0000	1.000	10	10	1.0000
18	HeadacheReliever	15	CU2	Inject Samples	Unknown	1.000000	1.0000	1.000	10	10	1.0000
19	HeadacheReliever	16	CU2	Inject Samples	Unknown	1.000000	1.0000	1.000	10	10	1.0000
20	Standard	100	C0301	Inject Standards	Control	1.000000	1.0000	1.000	1		1.0000
21	HeadacheReliever	17	CU3	Inject Samples	Unknown	1.000000	1.0000	1.000	10	10	1.0000
22	HeadacheReliever	18	CU3	Inject Samples	Unknown	1.000000	1.0000	1.000	10	10	1.0000
23	HeadacheReliever	19	CU3	Inject Samples	Unknown	1.000000	1.0000	1.000	10	10	1.0000
24	HeadacheReliever	20	CU3	Inject Samples	Unknown	1.000000	1.0000	1.000	10	10	1.0000
25	HeadacheReliever	21	CU3	Inject Samples	Unknown	1.000000	1.0000	1.000	10	10	1.0000
26	HeadacheReliever	22	CU3	Inject Samples	Unknown	1.000000	1.0000	1.000	10	10	1.0000
27	HeadacheReliever	23	CU3	Inject Samples	Unknown	1.000000	1.0000	1.000	10	10	1.0000
28	HeadacheReliever	24	CU3	Inject Samples	Unknown	1.000000	1.0000	1.000	10	10	1.0000

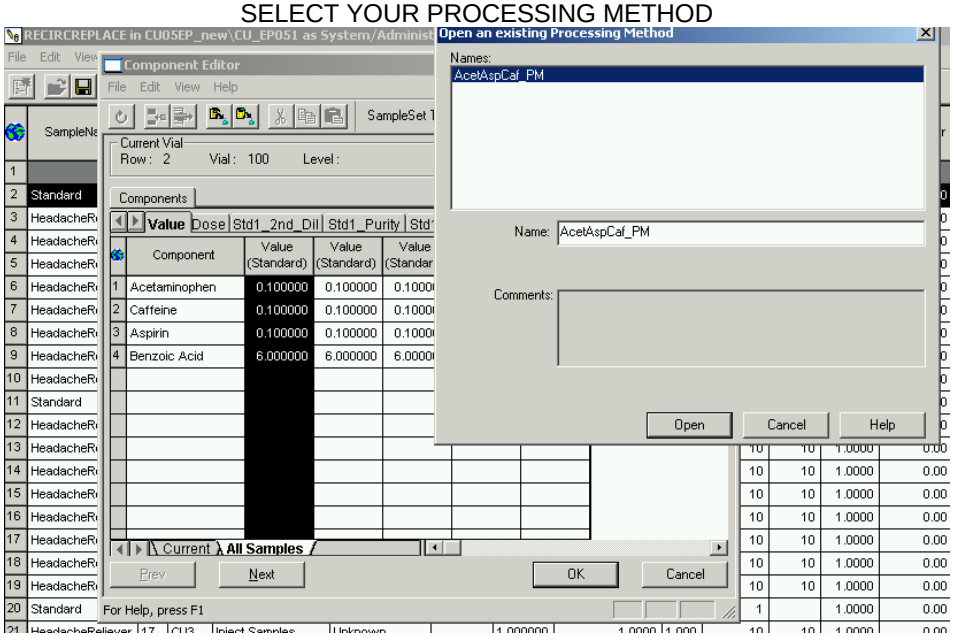
GO TO *EDIT->AMOUNT* TO ENTER AMOUNTS OR CONCENTRATIONS OF STANDARDS:



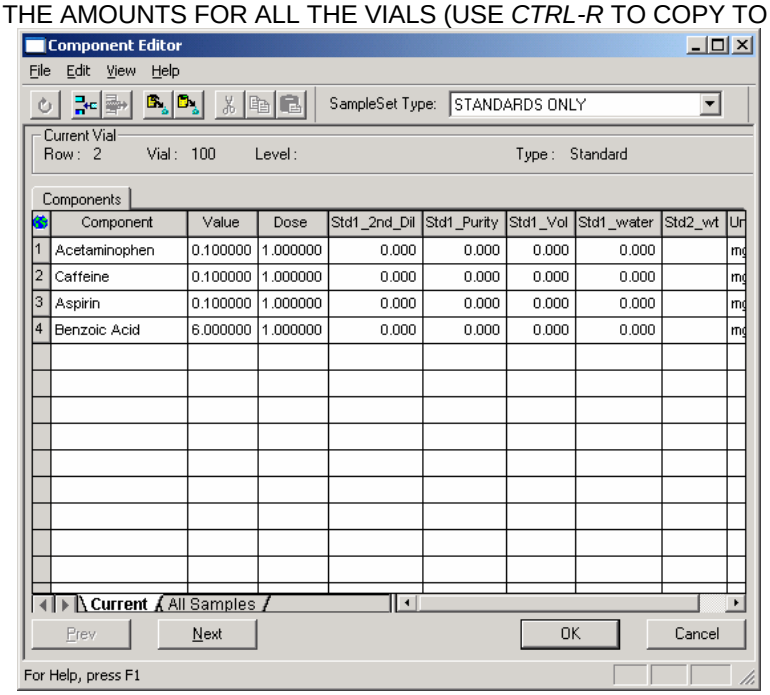
THE "COMPONENT EDITOR" WINDOW IS OPENED.
GO TO EDIT->COPY COMPONENTS FROM PROCESS METHOD TO ENTER NAMES AUTOMATICALLY:



SELECT YOUR PROCESSING METHOD



ALL THE COMPONENTS ARE LISTED AUTOMATICALLY FROM THE PROCESSING METHOD.
ENTER THE AMOUNTS FOR ALL THE VIALS (USE *CTRL-R* TO COPY TO RIGHT).



CLICK OK TO CLOSE AND GO BACK TO *ALTER SAMPLE VIEW*

ENTER SAMPLE INFORMATION FOR UNKNOWNS (SAMPLES)

- ENTER THE SAMPLE INFORMATION relevant for the calculations.
- Make sure to select "Summarize Custom Fields" in the last line FOR THE INTERSAMPLE CALCULATIONS:

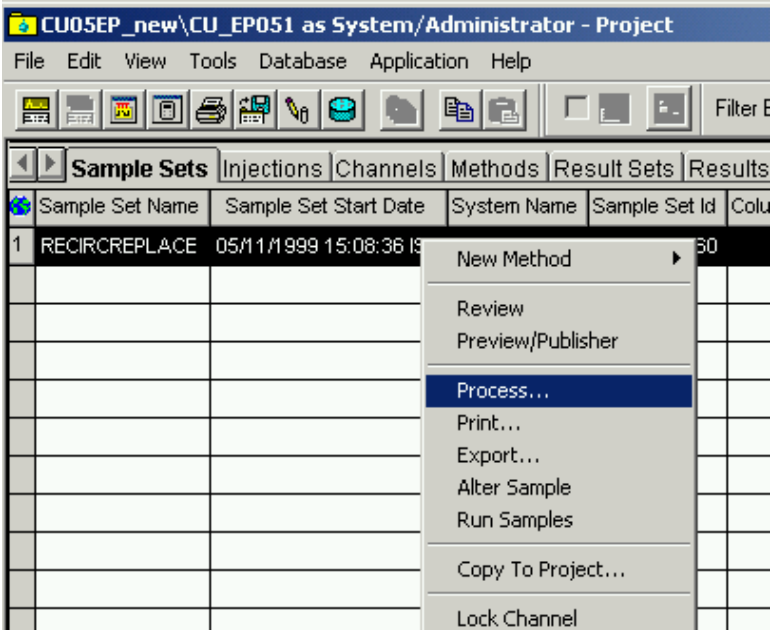
26	HeadacheReliever	22	CU3	Inject Samples	Unknown		1.000000	1.0000	1
27	HeadacheReliever	23	CU3	Inject Samples	Unknown		1.000000	1.0000	1
28	HeadacheReliever	24	CU3	Inject Samples	Unknown		1.000000	1.0000	1
29	Standard	100	S0401	Inject Standards	Standard		1.000000	1.0000	1
30				Quantitate					
31				Summarize Custom Fields					

or Help, press F1

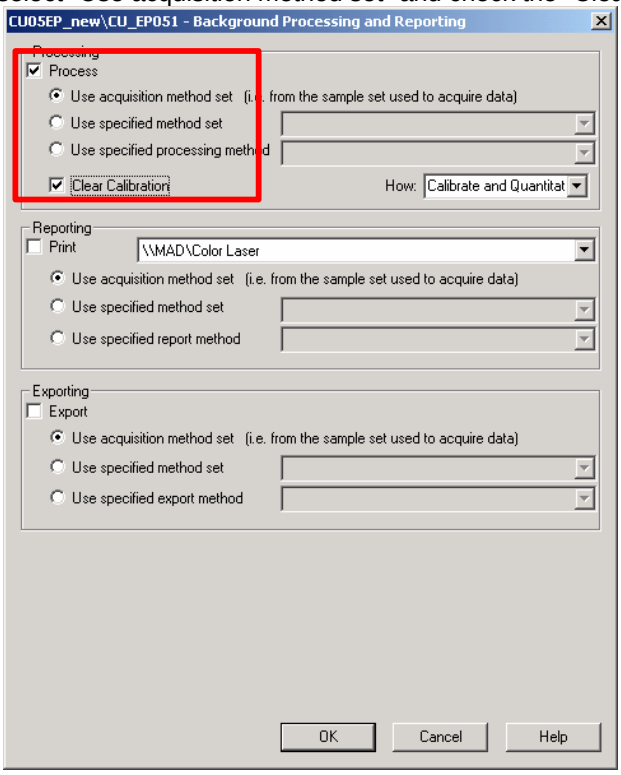
TO SAVE THE CHANGES, FILE->SAVE :

TO EXIT: FILE-> EXIT

Select the sample set and process it: Tools (or right-click)->Process



In the following screen you select "Use acquisition method set" and check the "Clear Calibration" and click OK.



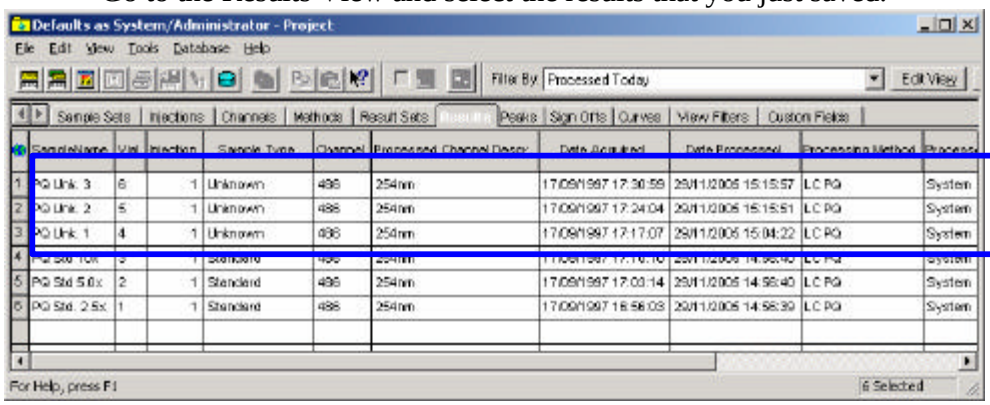
SELECT the SAMPLE SET again, RIGHT CLICK->VIEW AS Result-Sets or Results to find your results for printing.

ALTERNATIVELY:

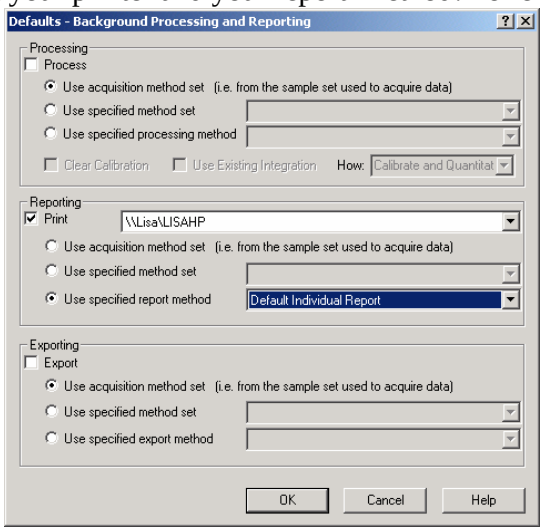
- SELECT the SAMPLE SET again, RIGHT CLICK->VIEW AS CHANNELS.
- SELECT THE STANDARDS/SAMPLES AND PROCESS THEM WITH YOUR METHOD-SET//PROCESSING-METHOD

TO PRINT THE RESULTS

Go to the Results View and select the results that you just saved.



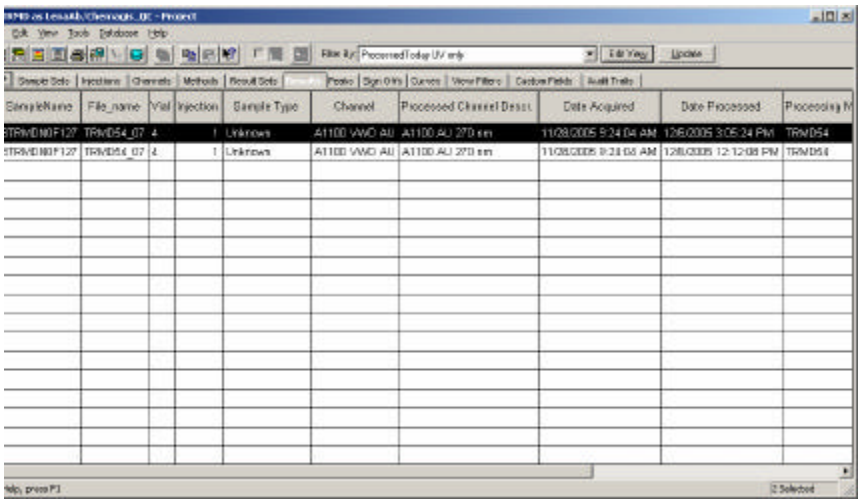
Go to ***Tools->Print*** and select your printer and your report method: For example: "Individual Unknown"



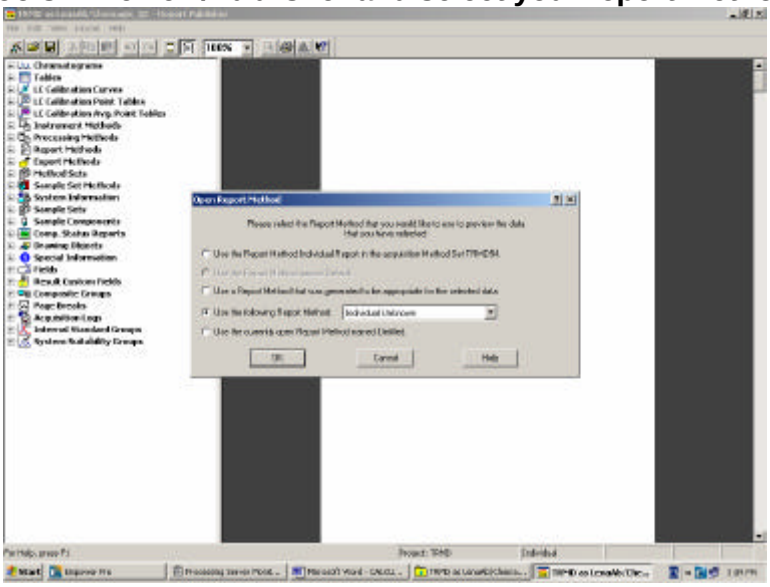
Click OK.

To adjust the Report Method:

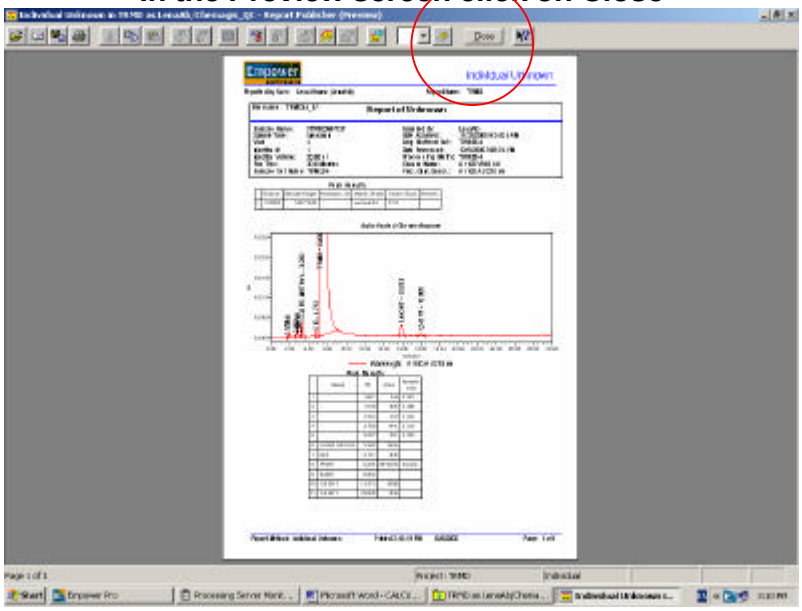
Go to the Results View and select the Unknown's Result.



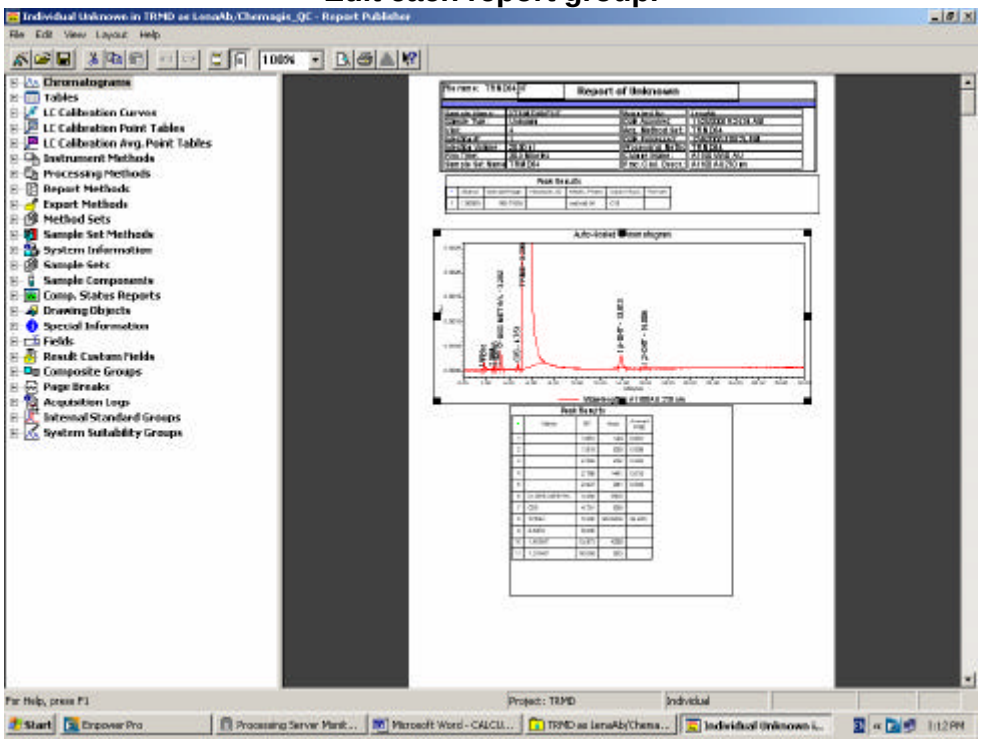
Tools->Preview/Publisher and select your report method



In the Preview screen click on Close



Edit each report group.



To change scaling of chromatogram go to the chromatogram-> right click->chromatogram properites and use one of the options: