Brian Chait

APR 29 1990

I am sorry I was not able to get to it sooner; but I was very excited to read your very important methodological advances.

Do you mind if I leave a copy for David Baltimore?

However, PNAS doesn't seem like quite the right place for a method. Incremental, as important as I believe this will be. I would think Analytical Biochemistry would be the natural home. Perhaps JBC.

So many new questions come to mind! How precisely can you quantitate? Do monosaccharides separate in the matrix or on volatilization? Will salt bands remain intact? How much of the band spread is isotopic?

Can you apply this to nucleic acids?

Will hepten-Ig complexes come off intact? (Heme might be a special case).

Can you see how to automate this for reading fractions from a gel or an HPLC? (a "2D" system)?

I'm sure many others have occurred to you!

I'm glad to see TOF-MS coming back. We had a lot of fun with a Bendix monster about 20 years ago...

Congratulations,

John.