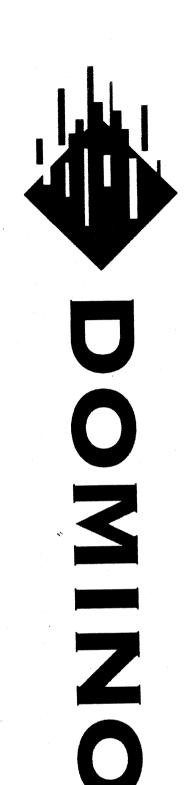
Ann Wilson and Christina Paraskeva

Domino

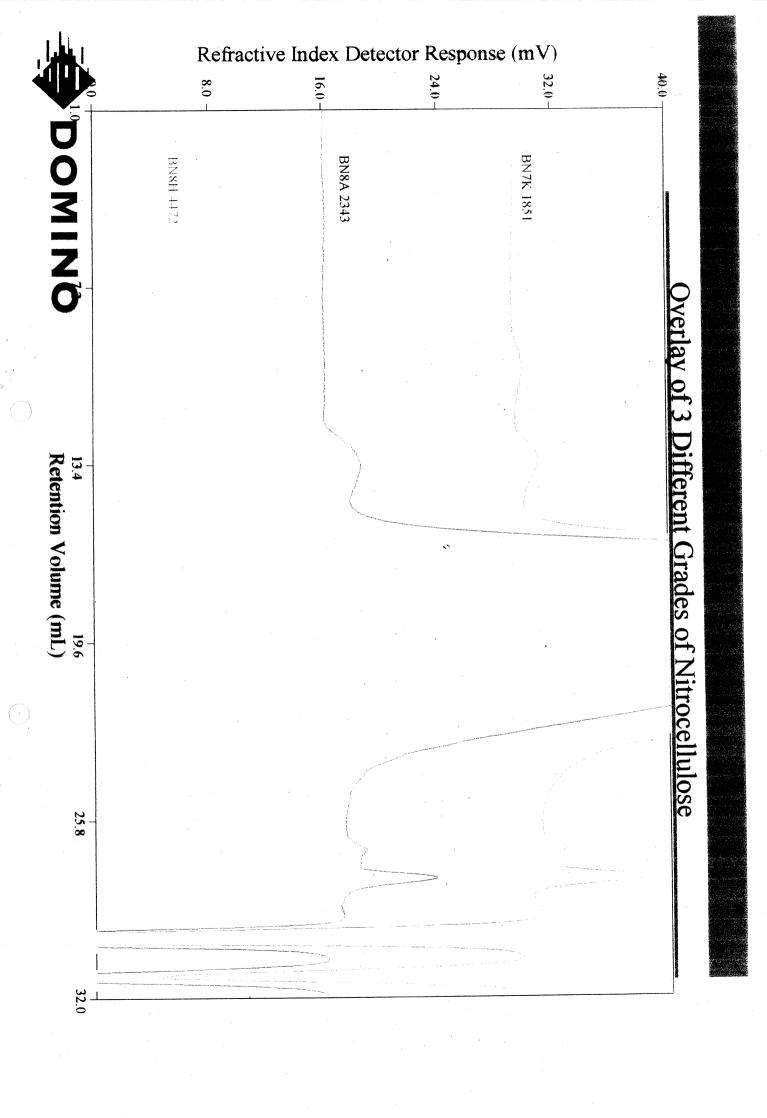
GPC and LC Transform of Nitrocellulose Based Inkjet Inks



GPC and LC Transform of Nitrocellulose Based Inkjet Inks

Tuesday 13th February 2001

Ann Wilson and Christina Paraskeva



GPC of Nitrocellulose

- Nitrocellulose used as a binder in one of our inks.
- The RI detector gave different profile for 3 different grades of NC
- Calculated Mw depended on where integration limits placed
- All work carried out in 100% MEK with approx 1.5% solutions
- LS detector showed interesting "fast eluting" peaks



DOMINO

GPC of Nitrocellulose based Inks

- LS detector showed "fast eluting" peak in NC based inks, but not all the time!
- LC transform system acquired from Viscotek
- LC transform successful in identifying these "pre peaks"
- Conclusion proposed was an interaction with other components of the ink



