

Supporting Information

Polymerization of new aniline derivatives: Synthesis, characterization and application as sensors

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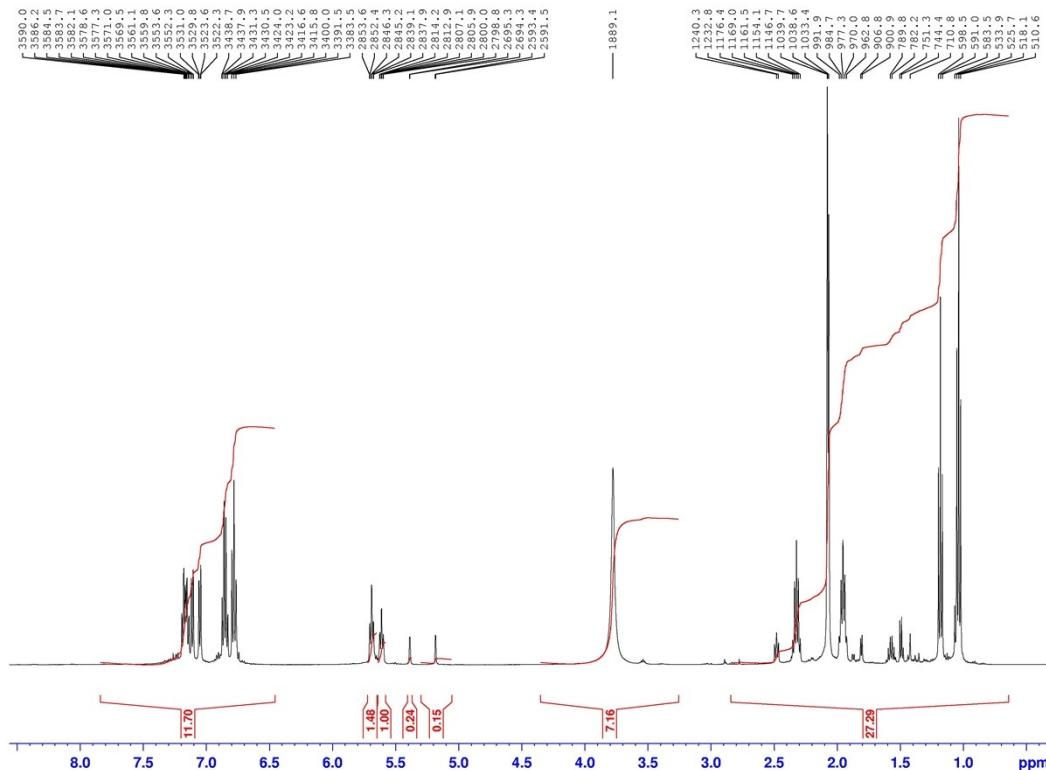
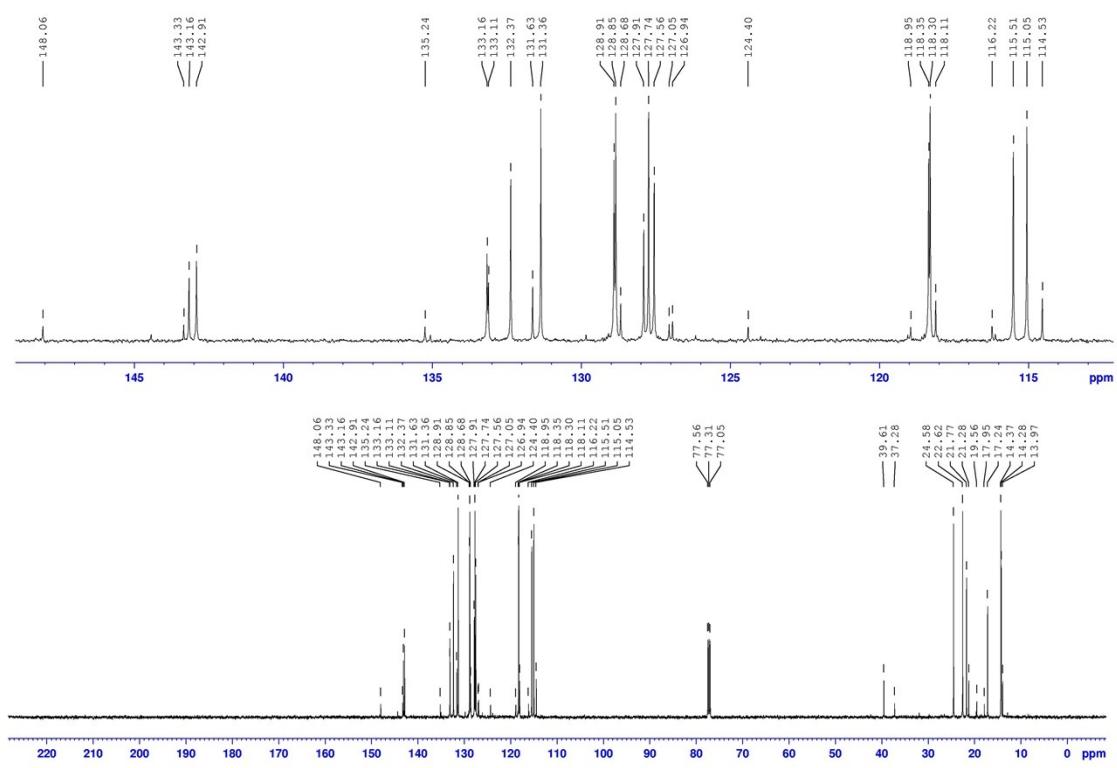


Figure S1. ^1H NMR spectra of 2-(1-methylbut-1-en-1-yl)aniline.



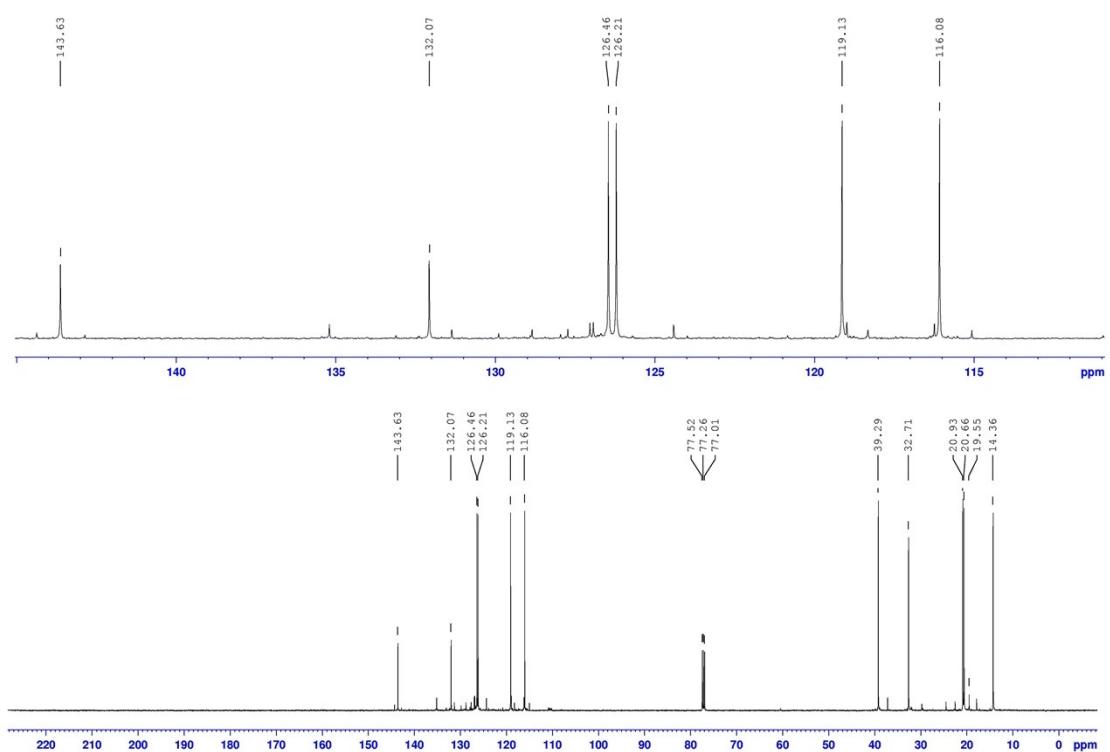


Figure S4. ^{13}C NMR spectra of 2-(1-methylbutyl)aniline.

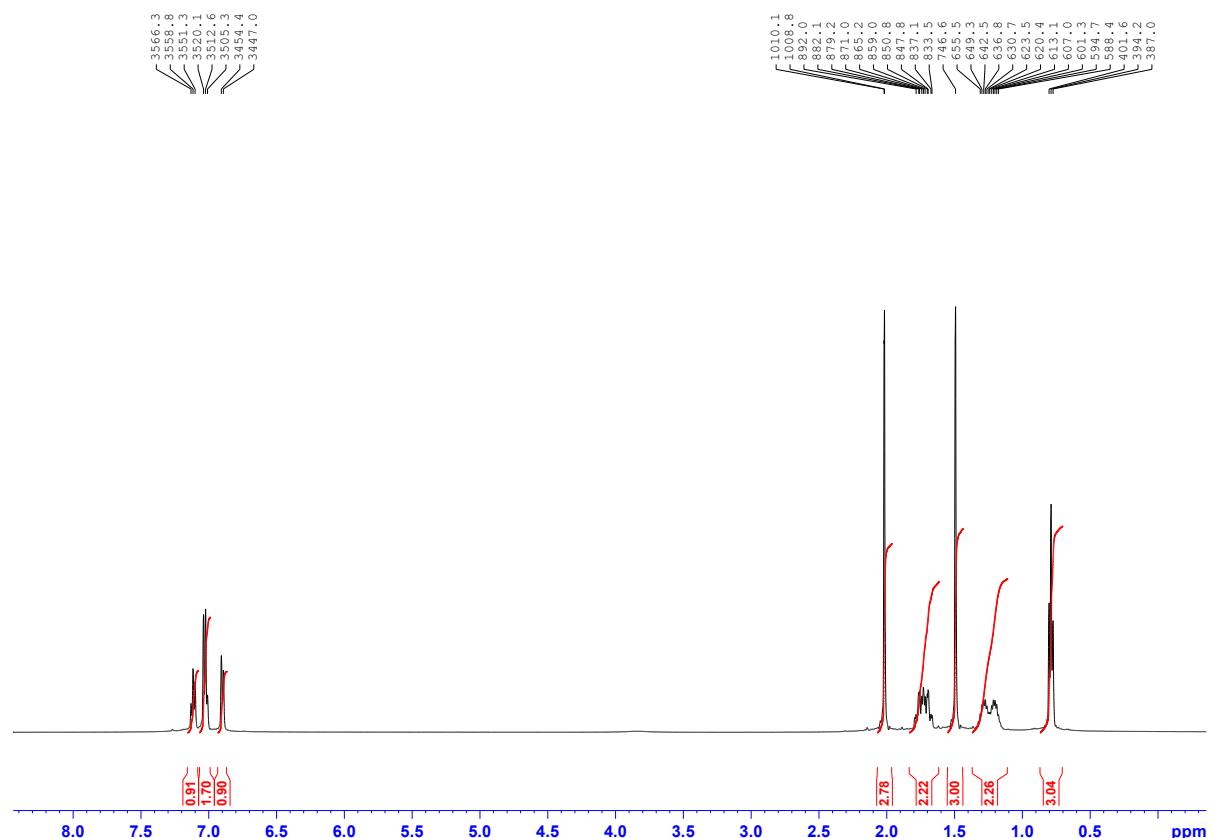


Figure S5. ^1H NMR spectra of N-[2-(1-hydroxy-1-methylbutyl)phenyl]acetamide.

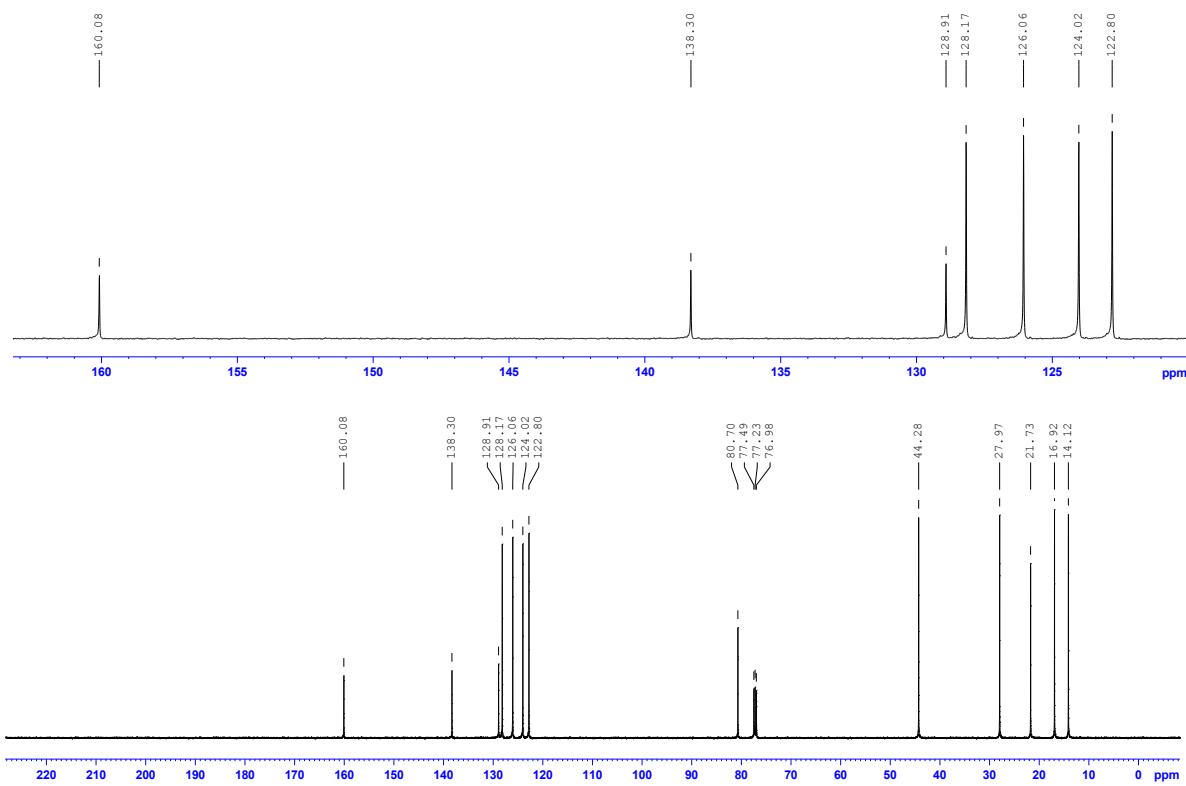


Figure S6. ^{13}C NMR spectra of N-[2-(1-hydroxy-1-methylbutyl)phenyl]acetamide.

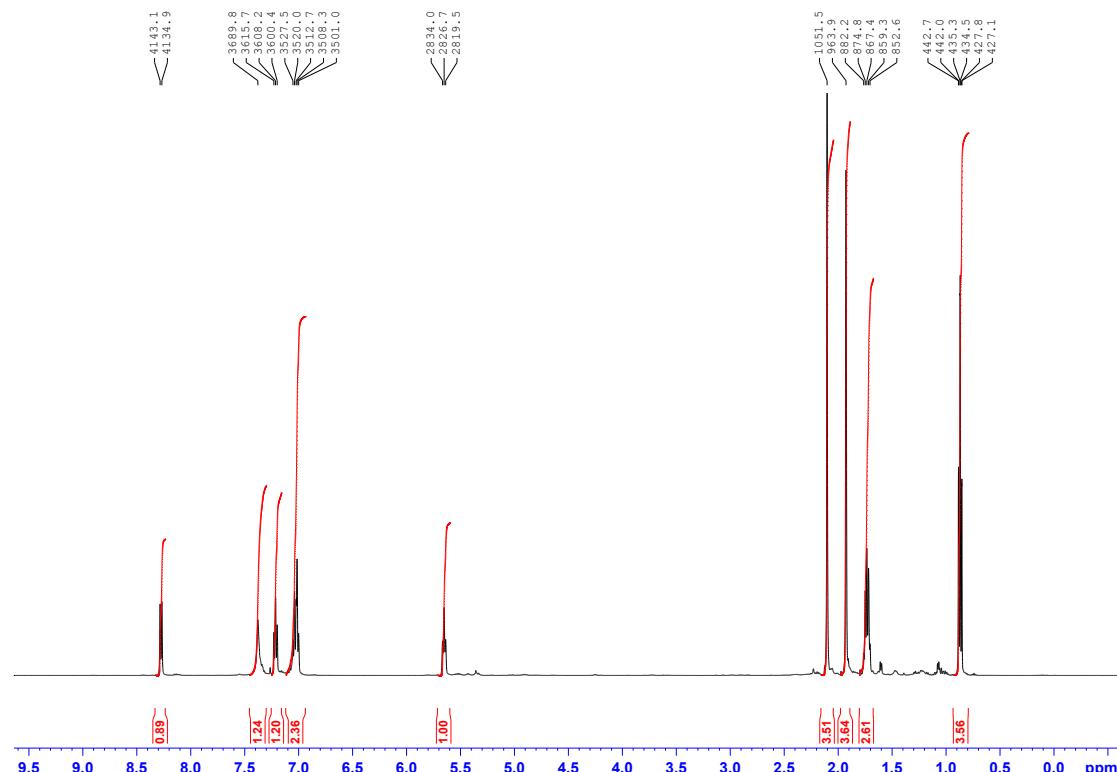


Figure S7. ^1H NMR spectra of N-{2-[1-methylbut-1-en-1-yl]phenyl}acetamide.

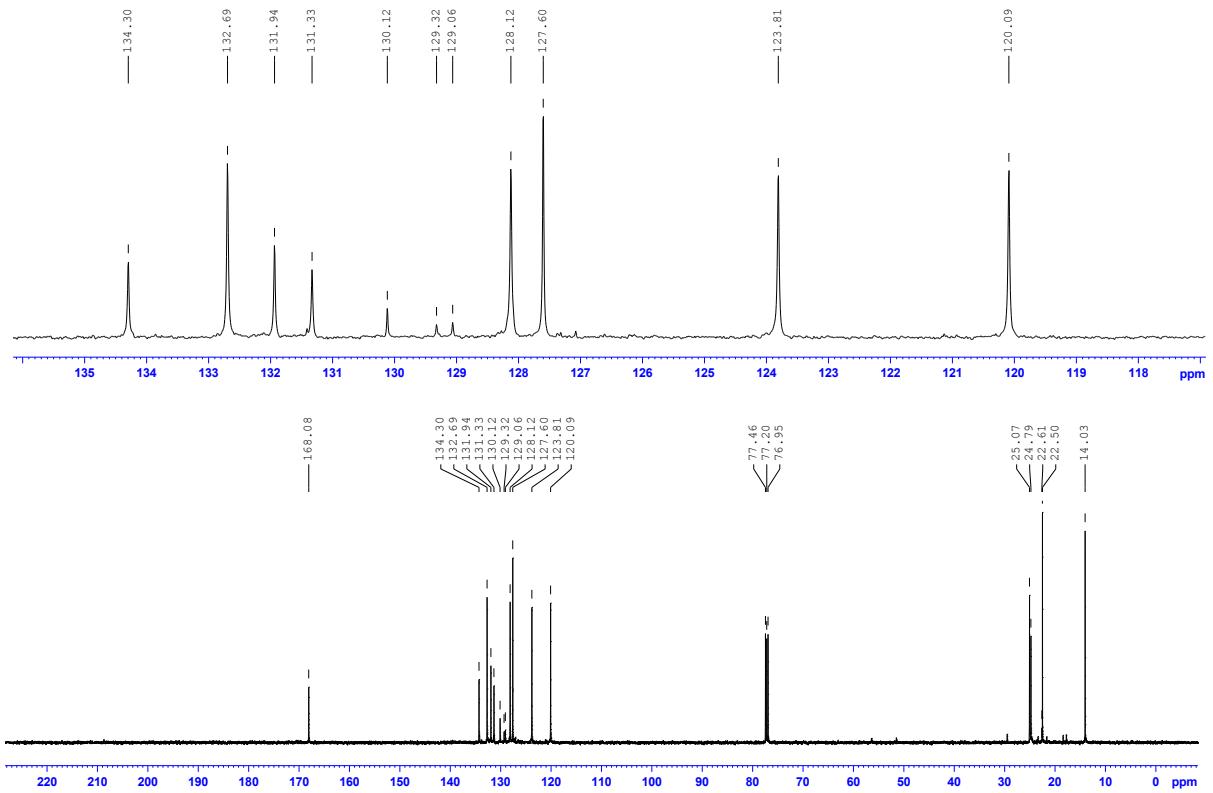


Figure S8. ^{13}C NMR spectra of N-{2-[1-methylbut-1-en-1-yl]phenyl}acetamide.

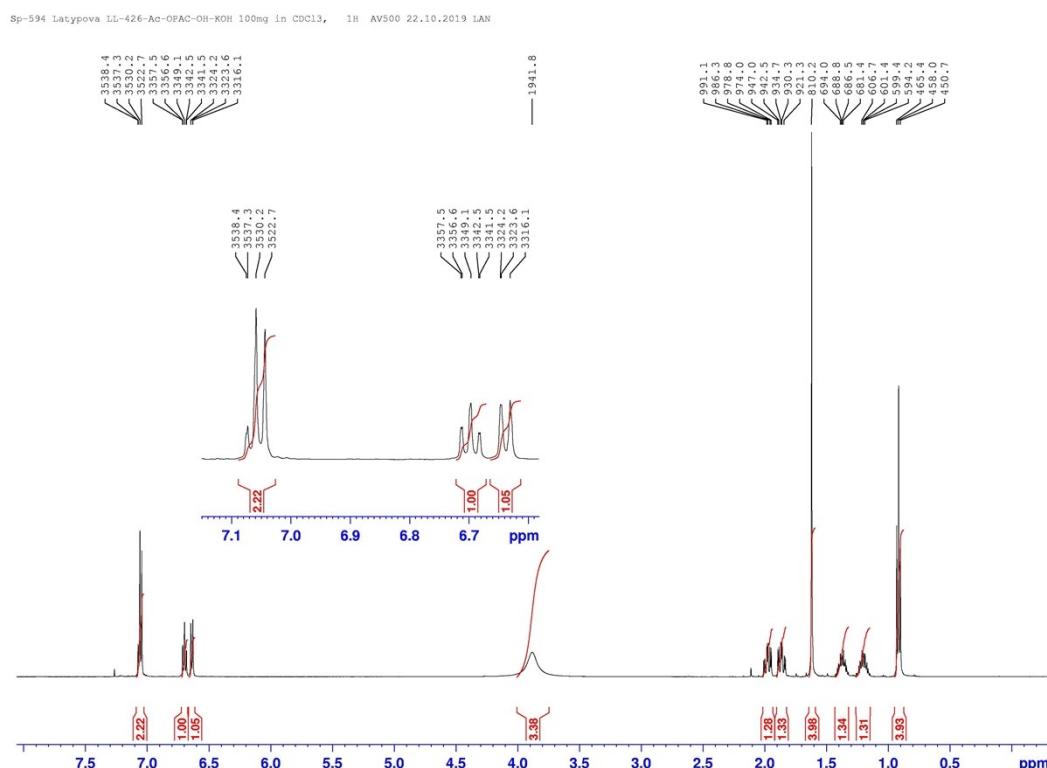


Figure S9. ^1H NMR spectra of 2-(2-aminophenyl)pentan-2-ol.

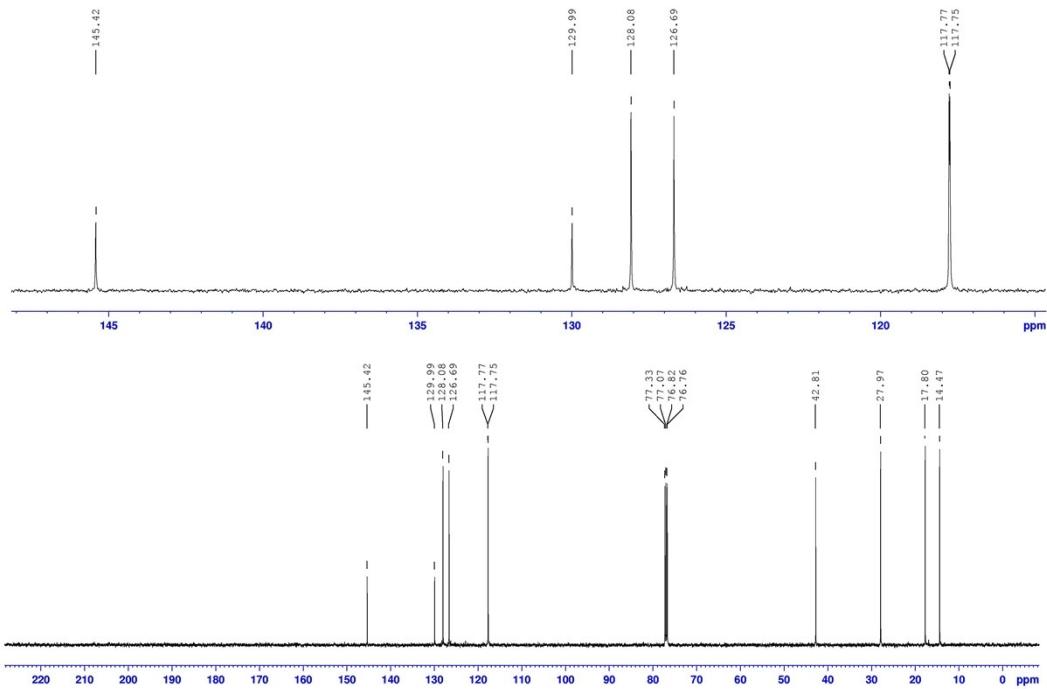


Figure S10. ^{13}C NMR spectra of 2-(2-aminophenyl)pentan-2-ol.

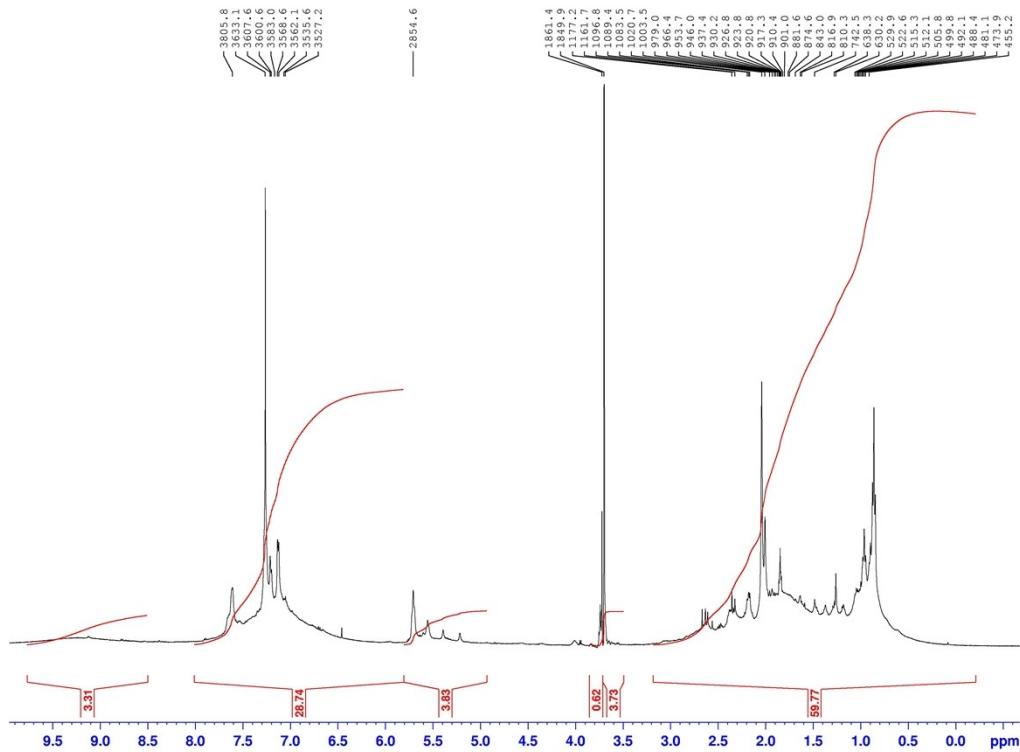


Figure S11. ^1H NMR spectra of poly[2-(1-methylbut-1-en-1-yl)aniline].

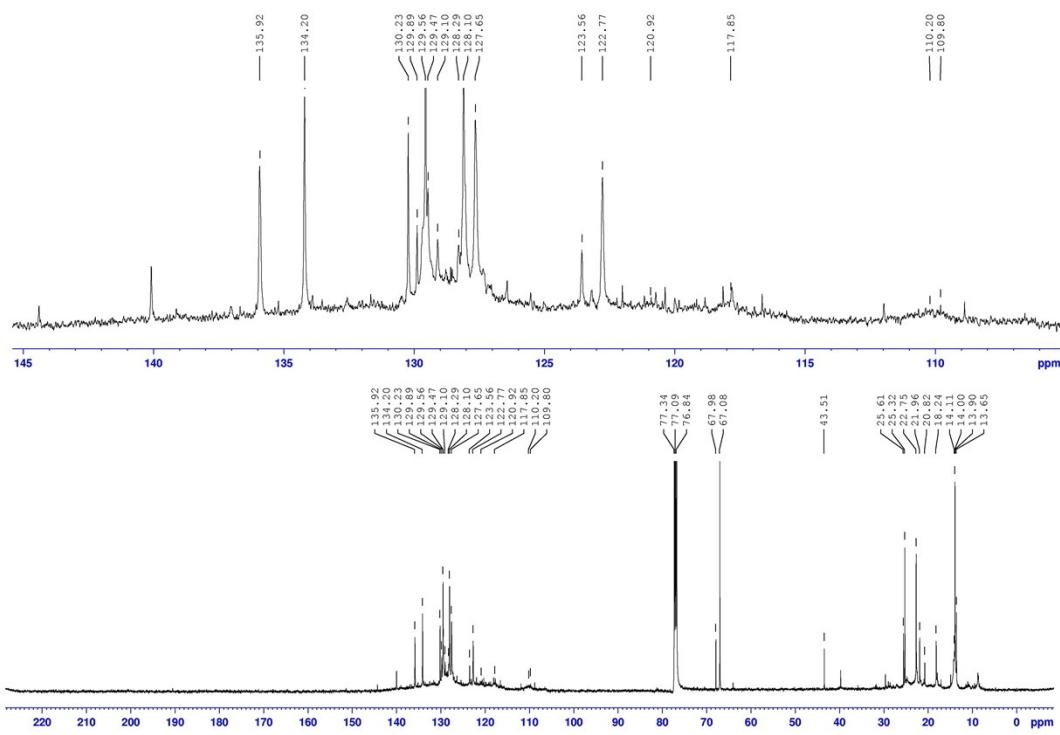


Figure S12. ^{13}C NMR spectra of poly[2-(1-methylbut-1-en-1-yl)aniline].

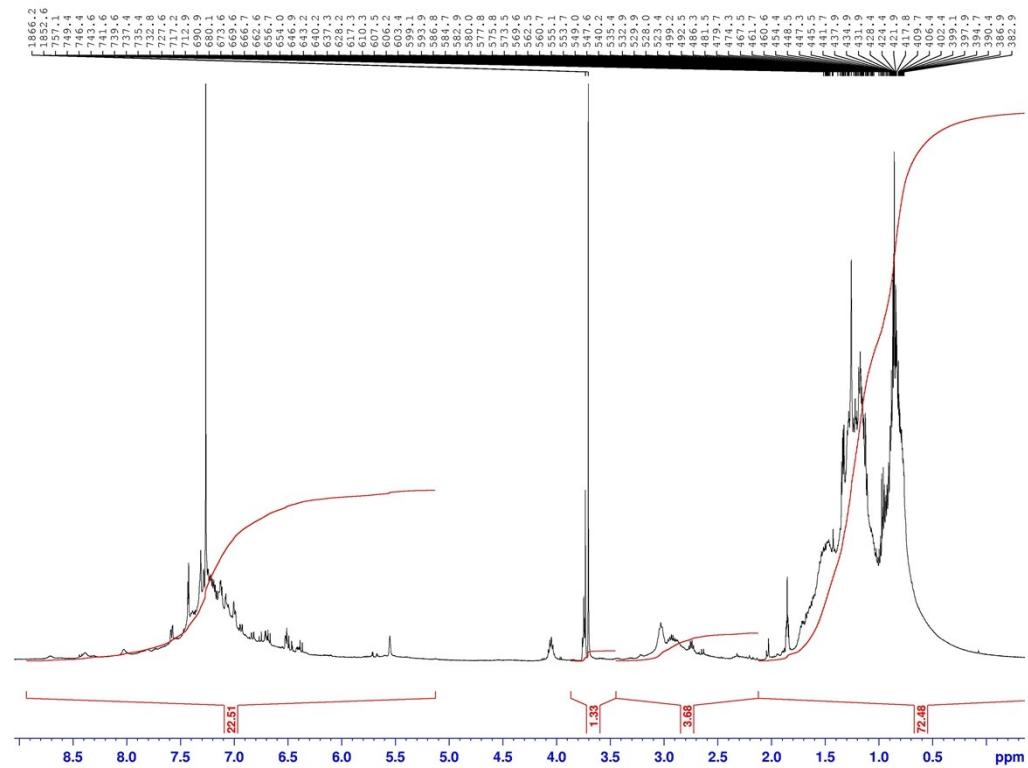


Figure S13. ^1H NMR spectra of poly[2-(1-methylbutyl)aniline].

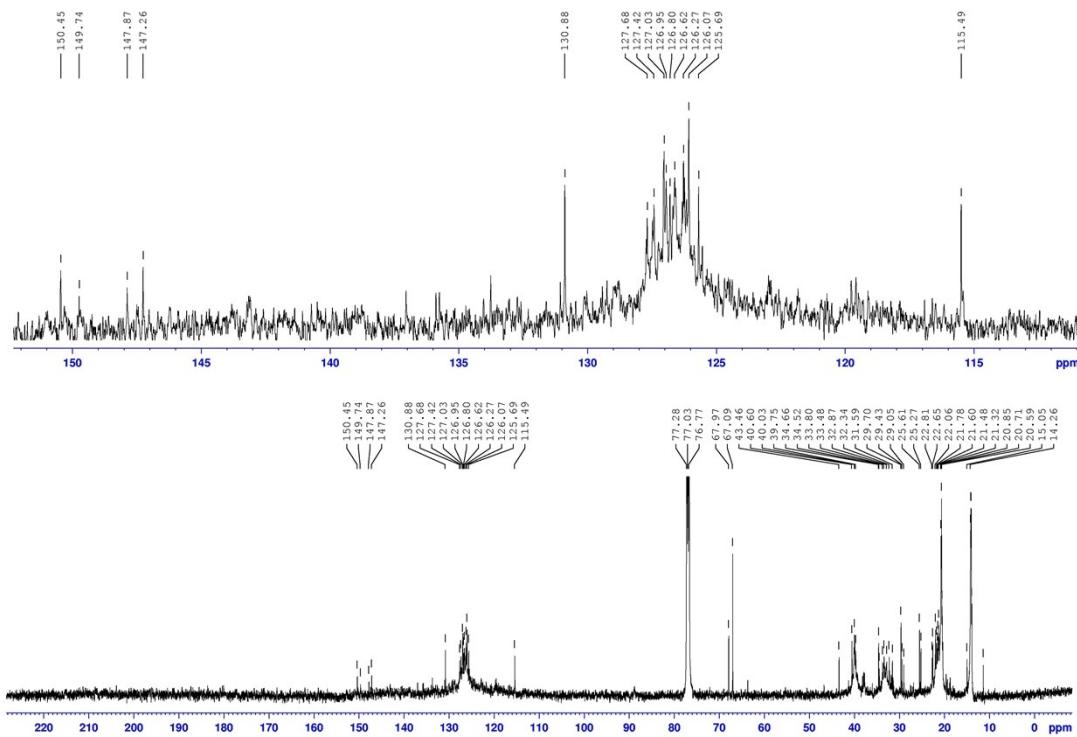


Figure S14. ^{13}C NMR spectra of poly[2-(1-methylbutyl)aniline].

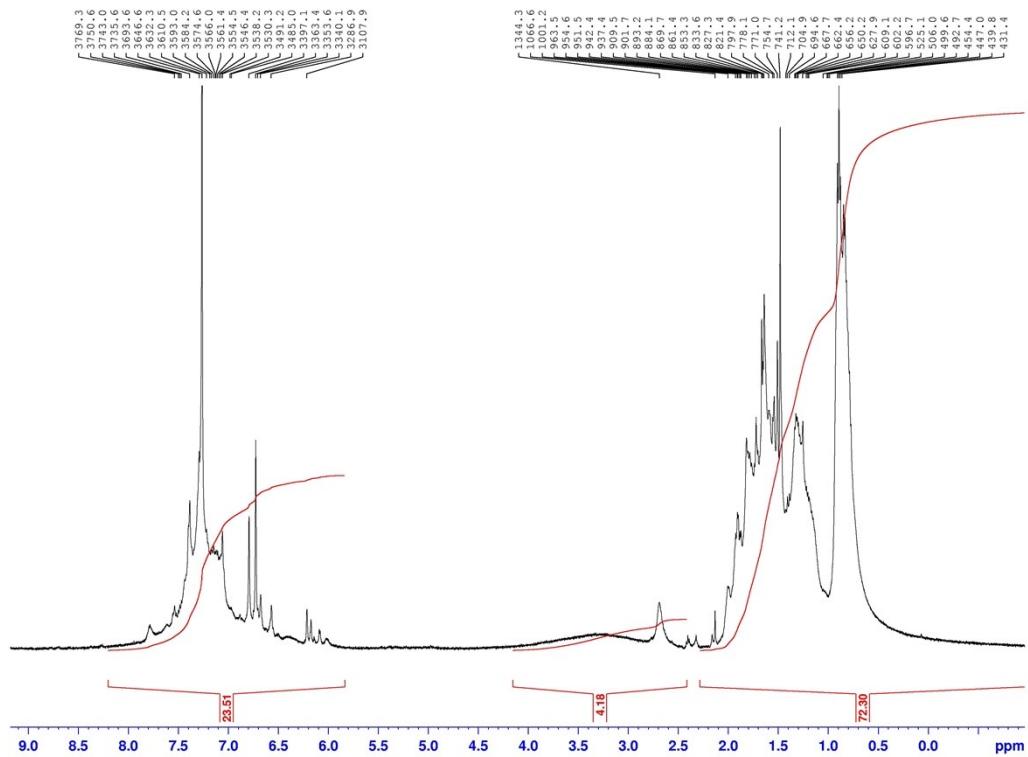


Figure S15. ^1H NMR spectra of poly[2-(2-aminophenyl)pentan-2-ol].

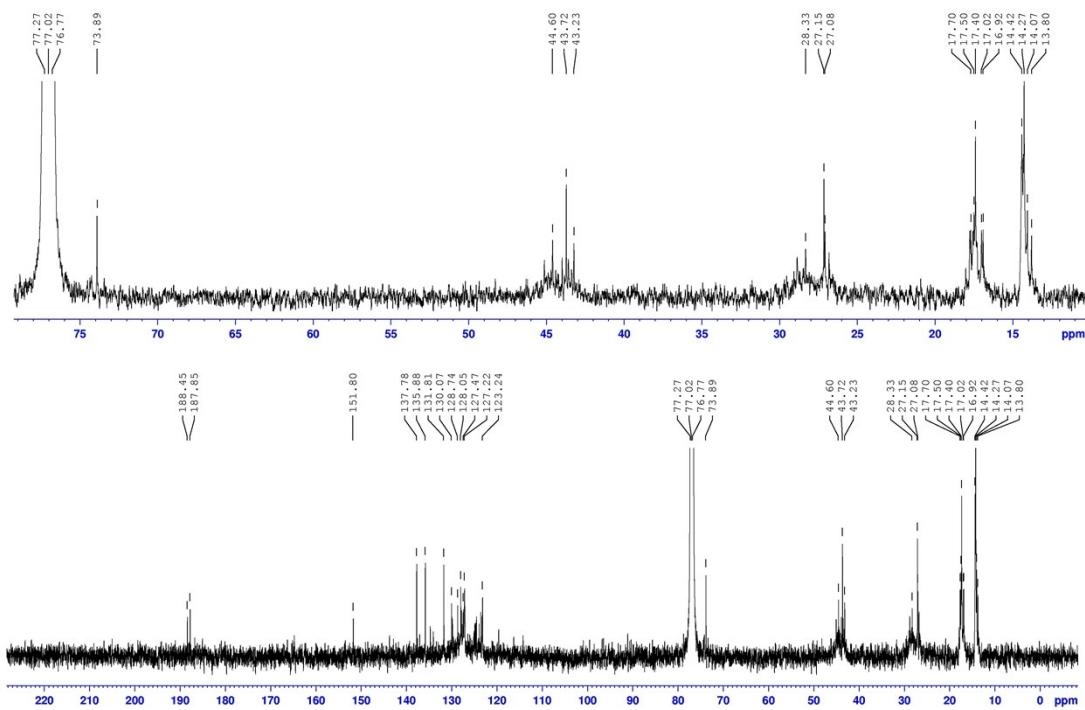


Figure S16. ¹³C NMR spectra of poly[2-(2-aminophenyl)pentan-2-ol].

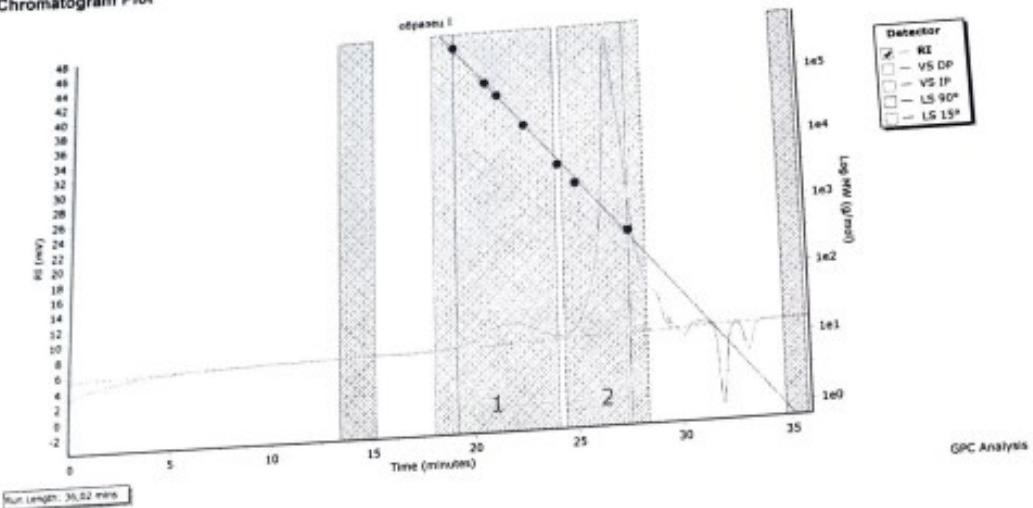
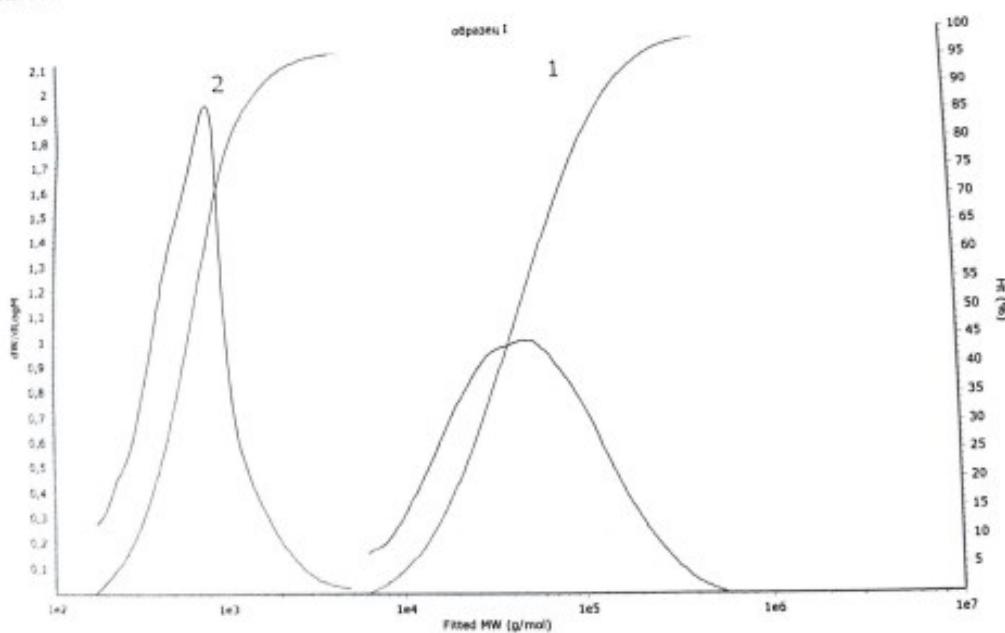
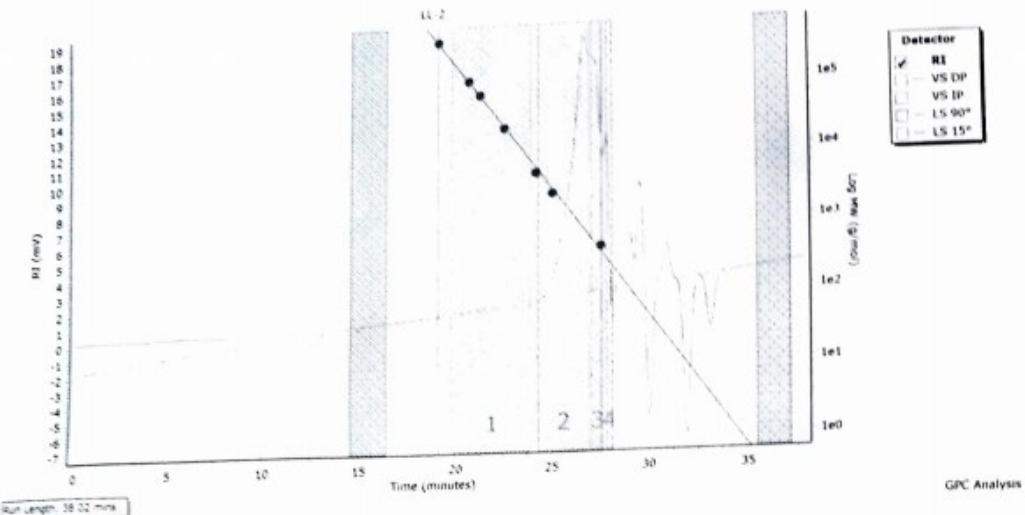
**Agilent GPC/SEC Software
Sample GPC Analysis Report**
Chromatogram Plot

Distribution Plot


Figure S17. GPC of poly[2-(1-methylbutyl)aniline].

Agilent GPC/SEC Software
Sample GPC Analysis Report



Chromatogram Plot



Distribution Plot

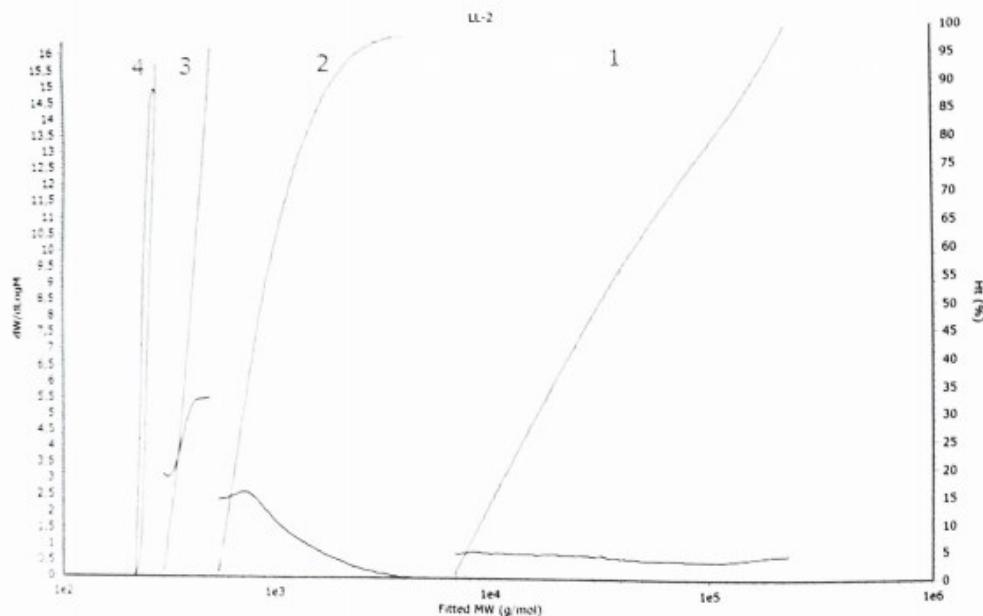


Figure S18. GPC of poly[2-(2-aminophenyl)pentan-2-ol].