

REFERENCES

1. Irani, M.; Madhuban, G.; *J. Chromatogr. A*, 1996, 745, 33 – 42.
2. Torres, C.M., *J. Chromatogr. A*, 1996, 754, 301 – 331.
3. Pesticide Analytical Manual Vol. 1, section 301.
4. Mills, P.A., *J. Assoc. Off. Anal. Chem.*, 1959, 42, 734.
5. Mills, P.A., Onley, J.H. and Gaither, R. A., *J. Assoc. Off. Anal. Chem.*, 1963, 46, 186.
6. Storherr, R.W., Getz, M.E. and Watts, R.R., *J. Assoc. Off. Anal. Chem.*, 1964, 47, 1087.
7. Luke, M.A., Froberg, J.E. and Masumoto, H.T., *J. Assoc. Off. Anal. Chem.*, 1975, 58, 1020.
8. Krause, R.T., *J. Assoc. Off. Anal. Chem.*, 1980, 63, 1114.
9. Greve, P.A., Sobolera, E., *FAO (IAEA Training and Reference Center for Food and Pesticides Control)*, 1 – 27.
10. Zweig, G., *Analytical methods for pesticides and plant grow regulations*, New York: Academic Press, 1964.
11. Luke, M.A., Masumoto, H.T., Caions, T. and Hundley, H.K., *J. Assoc. Off. Anal. Chem.*, 1988, 71, 415.
12. Lentza-Rizos, C., *J. Agric. Food Chem.*, 1995, 43, 1357.
13. Cabras, P., Melis, M., Casbitza, F., Cubeddu, M. and Spanedda, L., *J. Agric. Food Chem.*, 1995, 43, 2279.
14. Andersson, A. and Ohlin, B., *Var Föda*, 1986, 2, 79.
15. Specht, W. and Tilkes, M., *Fresenius' J. Anal. Chem.*, 1980, 301, 300.
16. W. Specht and M. Tilkes, *Fresenius' J. Anal. Chem.*, 1985, 322, 443.

17. Roos, A.H., Munsteren, A.J., Nab, F.M. and Tunistra, L.G.M.T., *Anal. Chem. Acta*, 1987, 196, 95.
18. Lee, S.M., Papathakis, M.L., Feng, H.M., Henter, G.F. and Carr, J.E., *Fresenius' J. Anal. Chem.*, 1991, 339,376.
19. Berrueta, A., Gallo, B. and Vicente, F., *Chromatographia*, 1995, 40, 474.
20. Lehotay, S.J. and Ibrahim, M.A., *J. Assoc. Off. Anal. Chem. Int.*, 1995, 78, 445.
21. Fodor-Csorba, K., *J. Chromatogr.*, 1992, 6240.
22. Belardi, R.P., Pawliszyn, J., *Water Poll. Res. J. Can.*, 1989, 24,179.
23. Arther, C.L., Pawliszyn, J., *Anal. Chem.*, 1990, 62, 2145.
24. Arther, C.L., Pratt, K, Motlagh, S., Pawliszyn, J. and Belardi, R.P., *J. High Resolit. Chromatogr.*, 1992, 15,741.
25. Balinova A., *J. Chromatogr. A*, 1996, 754, 125.
26. Mol, H.G.J., Janssen, H.G.M., Cramers, C.A., Vreuls, J.J. and Brinkman, U.A.Th., *J Chromatogr. A*, 1995, 703, 227.
27. Dean, J.R., Wade, G., Barnabas, I.J., *J Chromatogr. A*, 1996, 733, 295.
28. Esteban, A.M., Fernandez, P., Alba, A.F., Camara, C., *Quim. Anal.*, 1998, 17, 51.
29. Rohrig, L., Puttmann, M., Meisch, H.U., *Fresenius J. Anal. Chem.*, 1998, 361, 192.
30. Lee, X.P., Kumazawa, T., Sato, K. and Suzuki, O., *Chromatographia*, 1996, 42, 135.
31. Namera, A., Yashiki, M., Nagasawa, N., Iwasaki, Y., Kojima, T., *Forensic Sci. Int.*, 1997, 88, 125.
32. Guan, F., Watanabe, K., Ishii, A., Seno, H., Kumazawa, T., Hattori, H. nad Suzuki, O., *J Chromatogr. B*, 1998, 714, 205.
33. Hock, B., Dankwardt, A., Kramer, K. and Marx, A., *Anal. Chim. Acta*, 1995, 311, 393.
34. Manirahiza, P., Coraci, A. and Sehepens, P., *Chromatographia*, 2000, 52, 787 – 790.
- 35.. Inst, M, Cruz, O., *Biological Activities of Curcuma Longa L.*, 2001, 96,723 – 728.

36. Yegnanarayan, R., Sarat, A.P., Balwani, J.H., *Indian journal of medical research*, 1976, 64, 601 – 608.
37. Gupta, S.S. Chandra, D., Mishra, N., *Indian journal of physiology and pharmacology*, 1972, 16, 254.
38. Kunchandy, E., Rao, M.N., *International journal of phamacognosy*, 1990, 58, 237 – 240.
39. Chandra and Gupta, *Demonstrated the anti-inflammatory and anti-arthritic actions of volatile oil of Curcuma Longa*, 1992.
40. Inst, M, Cruz, O., *Biological Activities of Curcuma Longa.*, 2001, 96.
41. Federal Register. 1989, 110, 54.
42. Luke, M.A., *J.Assoc. Off. Analytical Chemistry*, 1981, 64, 1187.
43. Rao, D.M.R., *J.Assoc. Off. Analytical Chemistry*, 1981, 64, 340.
44. Telling, G.M., *J. Chromatogr.*, 1977, 137, 405.
45. Miller, J.C. and Miller, J.N. *In Statistics for Analytical Chemistry*, New York: John Wiley & Sons, 1988, pp 115 – 117.



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APPENDIX

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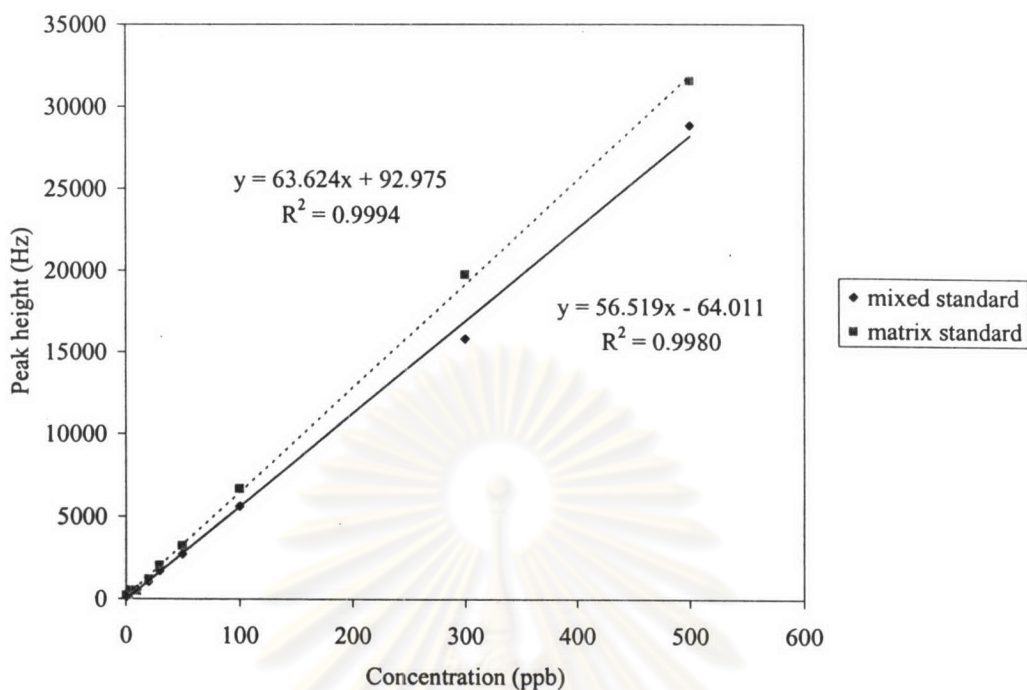


Figure A-1 The calibration curves of mixed and matrix of α -BHC,HCH by GC
Conditions in Table 4.1

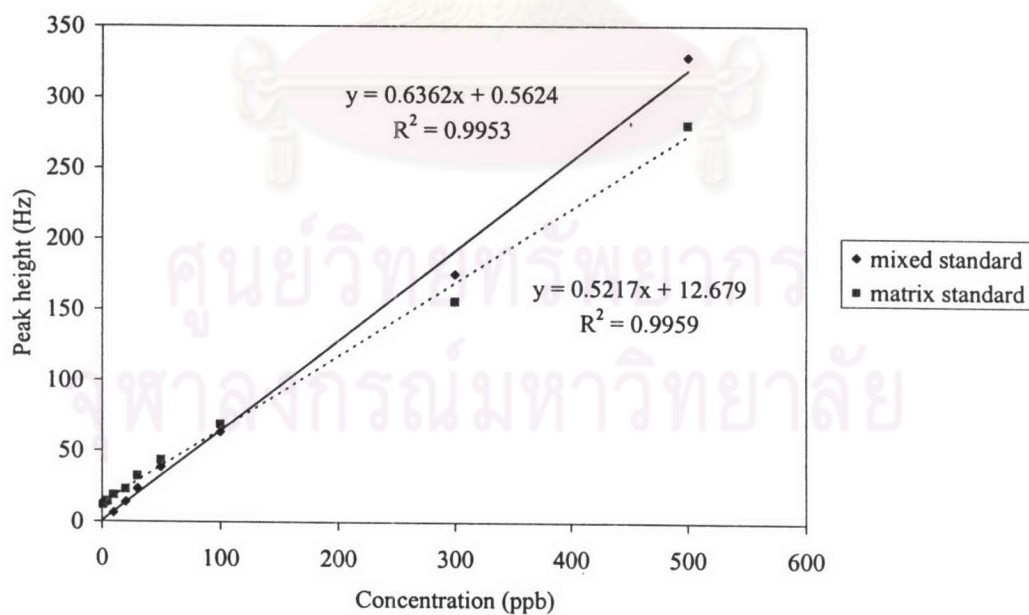


Figure A-2 The calibration curves of mixed and matrix of β -BHC,HCH by GC
Conditions in Table 4.1

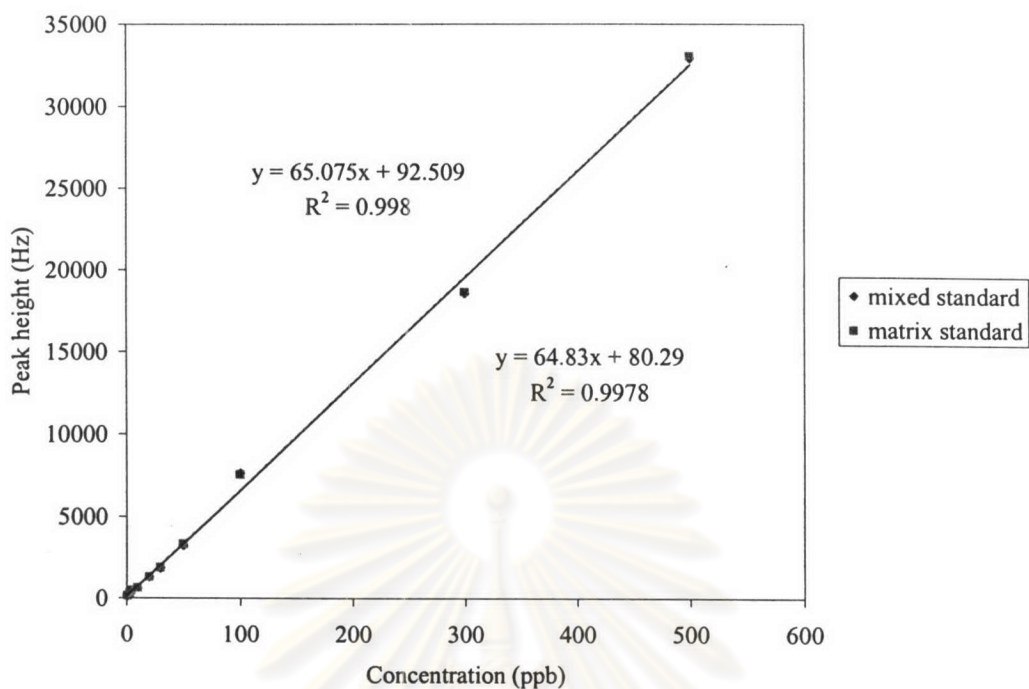


Figure A-3 The calibration curves of mixed and matrix of γ -BHC, HCH by GC
Conditions in Table 4.1

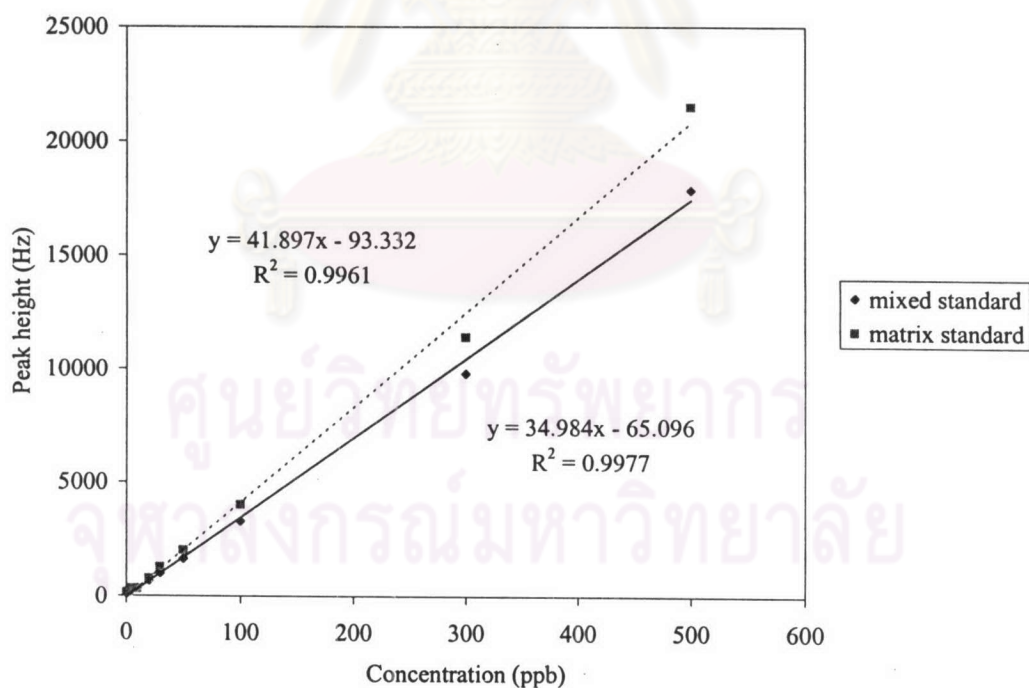


Figure A-4 The calibration curves of mixed and matrix of alachlor by GC Conditions
in Table 4.1

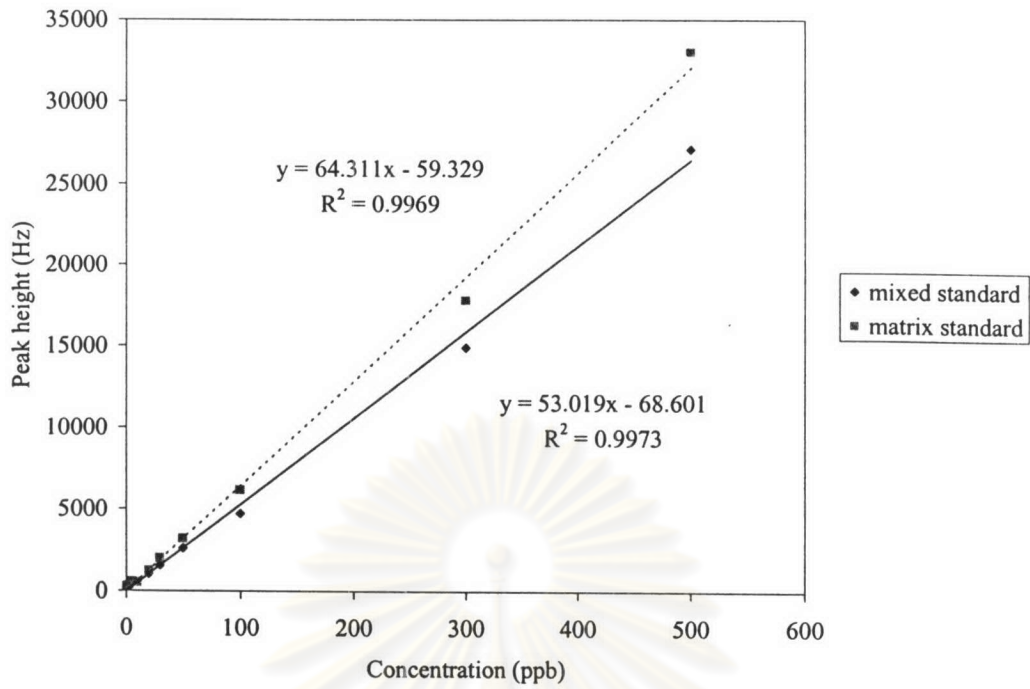


Figure A-5 The calibration curves of mixed and matrix of aldrin by GC Conditions in Table 4.1

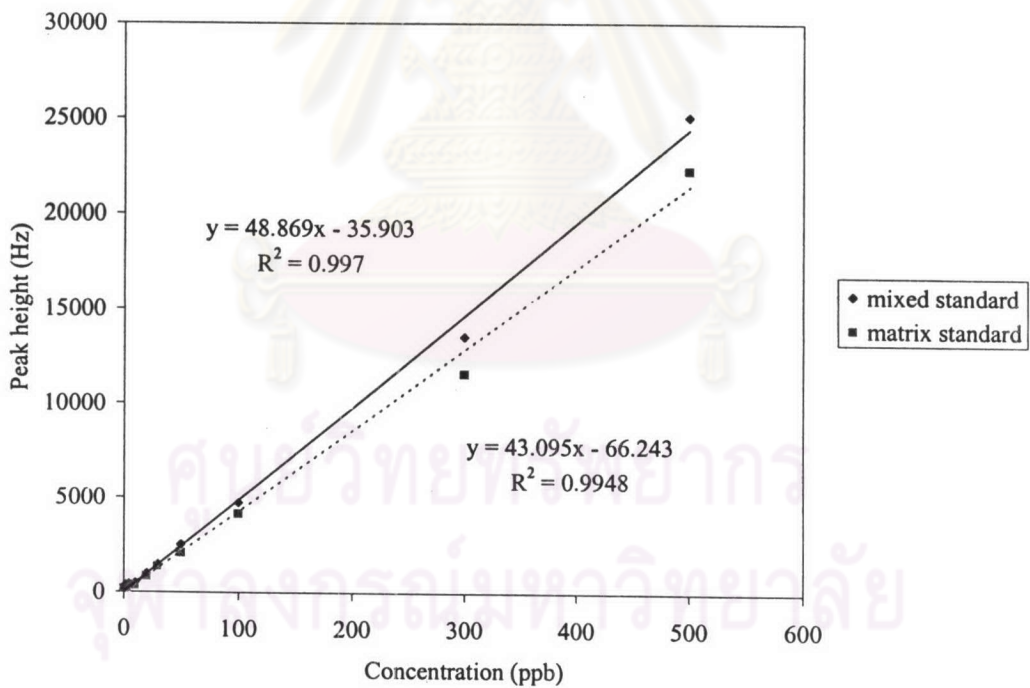


Figure A-6 The calibration curves of mixed and matrix of heptachlor epoxide isomer B by GC Conditions in Table 4.1

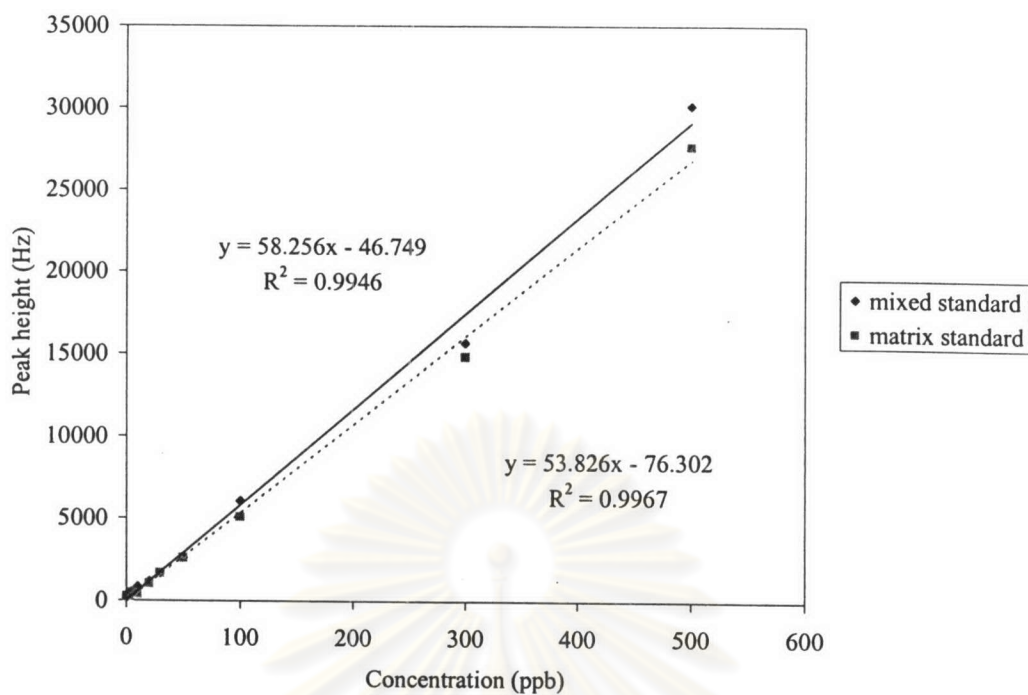


Figure A-7 The calibration curves of mixed and matrix of heptachlor epoxide isomer A by GC Conditions in Table 4.1

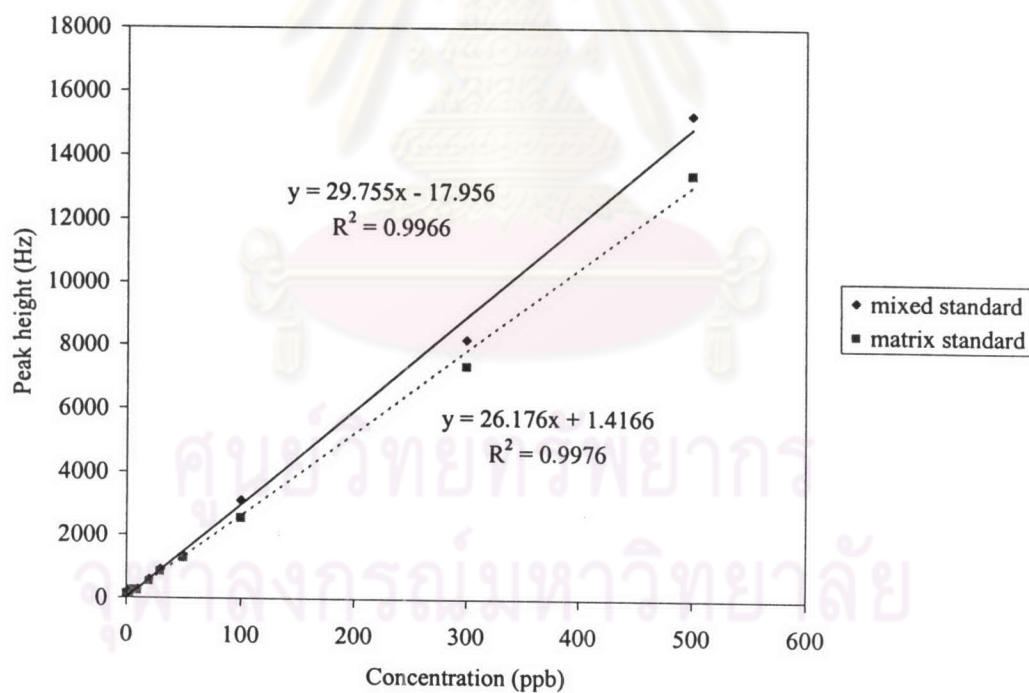


Figure A-8 The calibration curves of mixed and matrix of O,P'-DDE by GC Conditions in Table 4.1

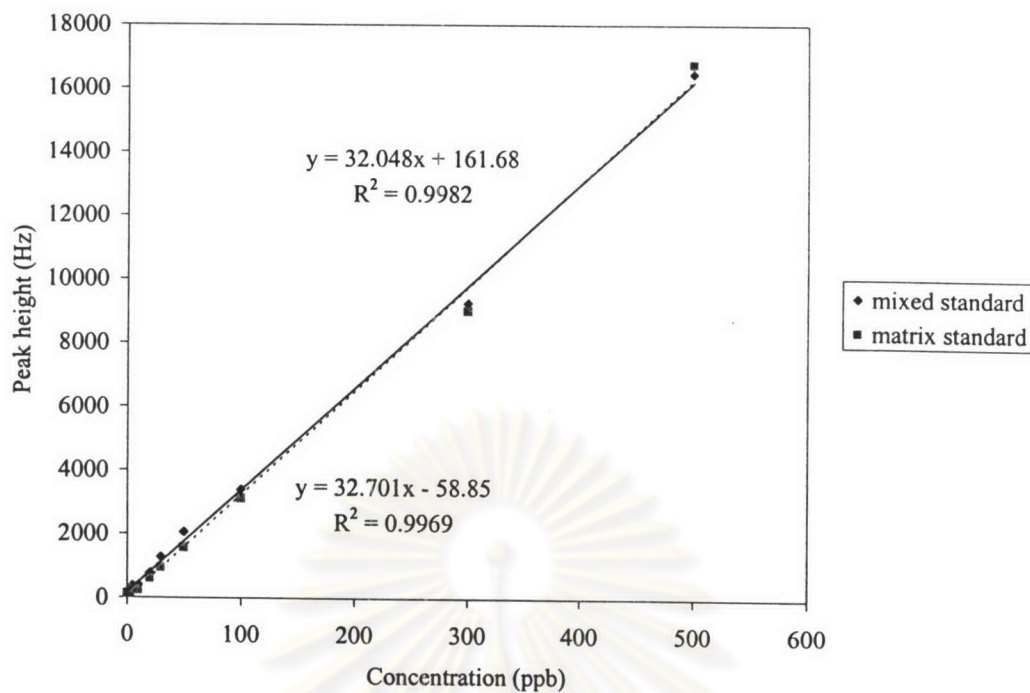


Figure A-9 The calibration curves of mixed and matrix of α -endosulfan by GC
Conditions in Table 4.1

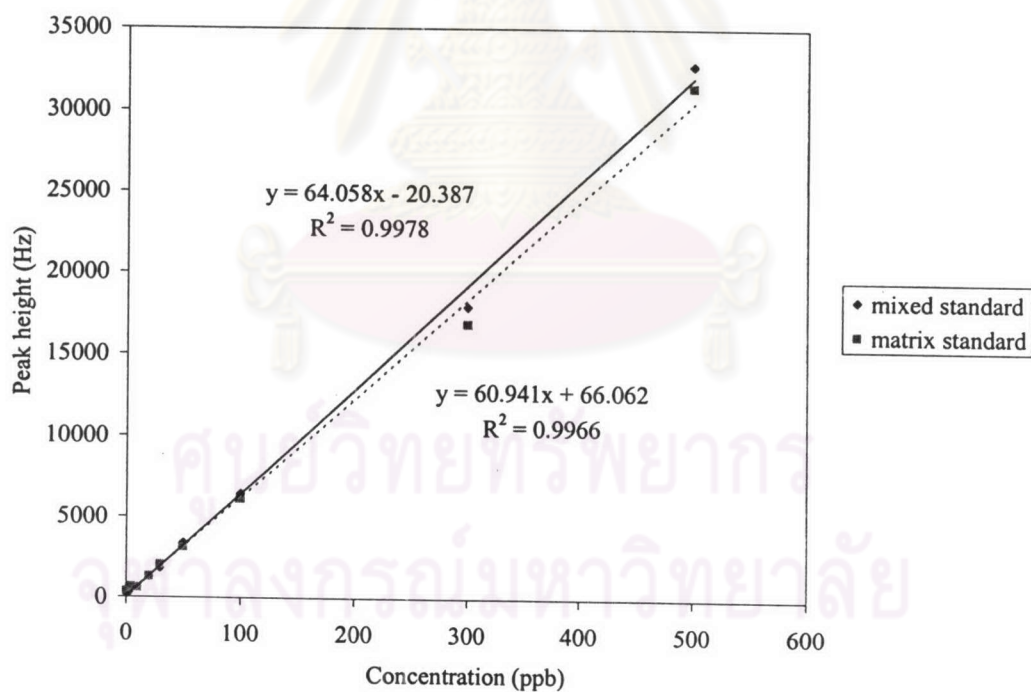


Figure A-10 The calibration curves of mixed and matrix of dieldrin, P,P'-DDE by
GC Conditions in Table 4.1

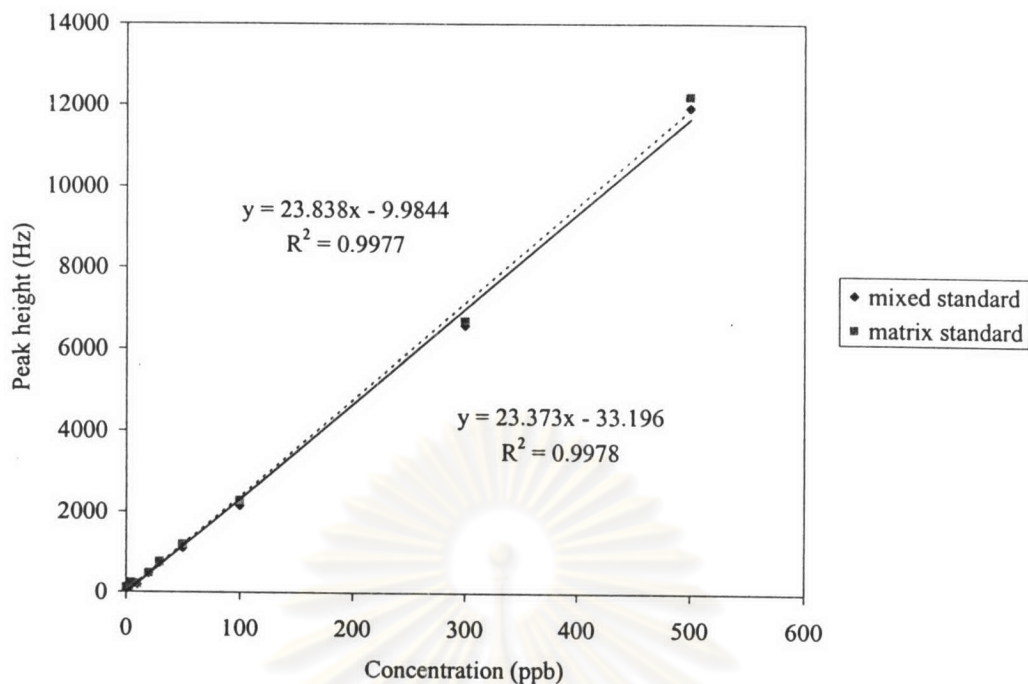


Figure A-11 The calibration curves of mixed and matrix of O,P'-DDD by GC Conditions in Table 4.1

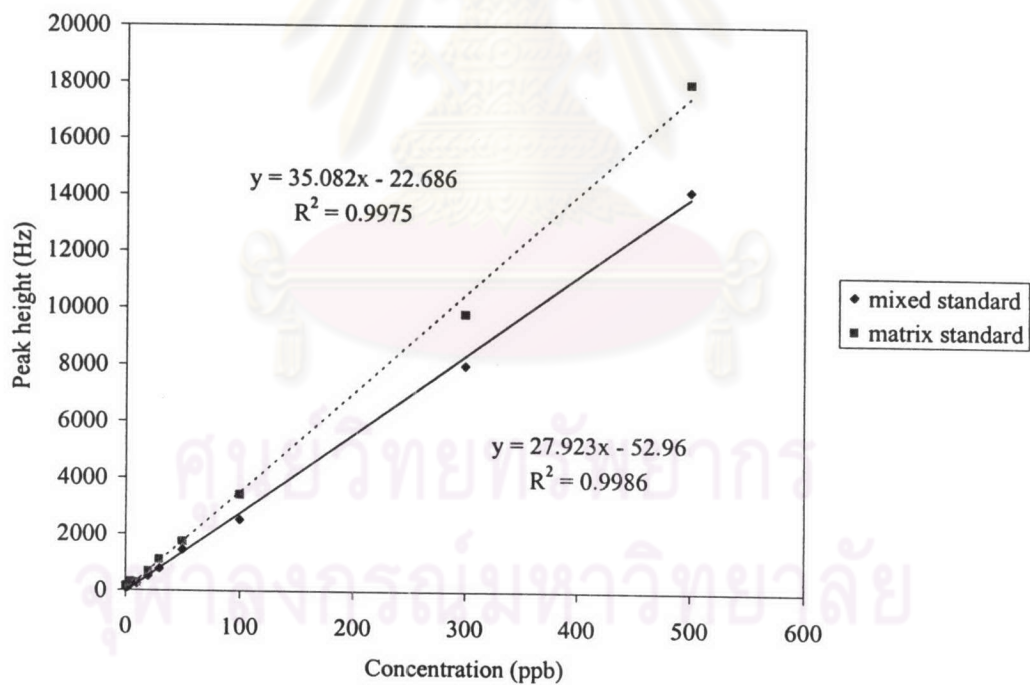


Figure A-12 The calibration curves of mixed and matrix of endrin by GC Conditions in Table 4.1

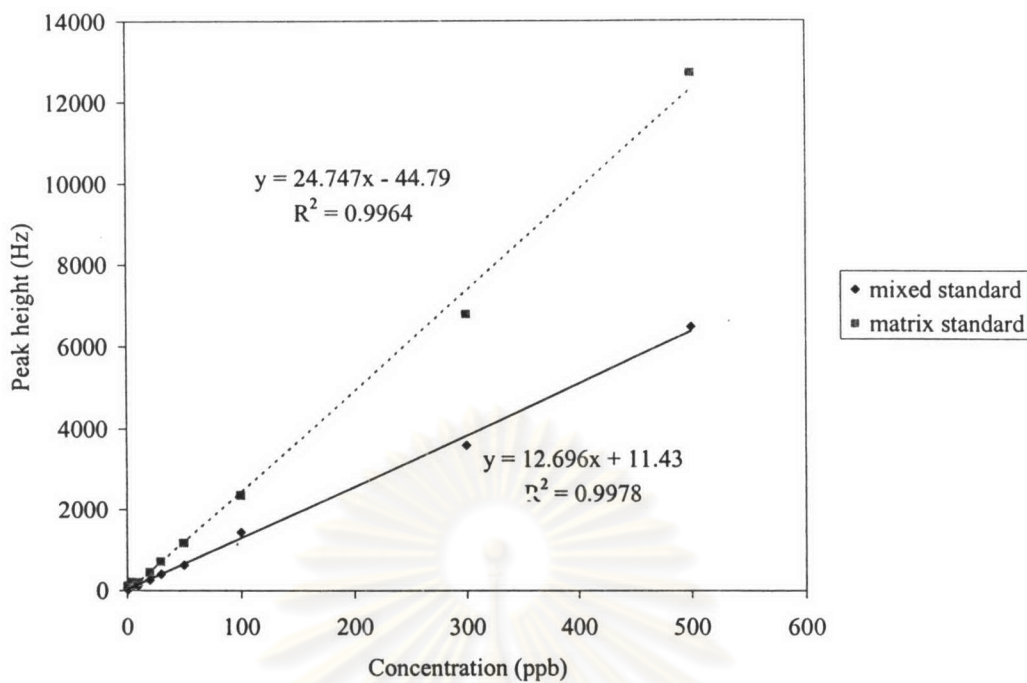


Figure A-13 The calibration curves of mixed and matrix of P,P'-DDD by GC
Conditions in Table 4.1

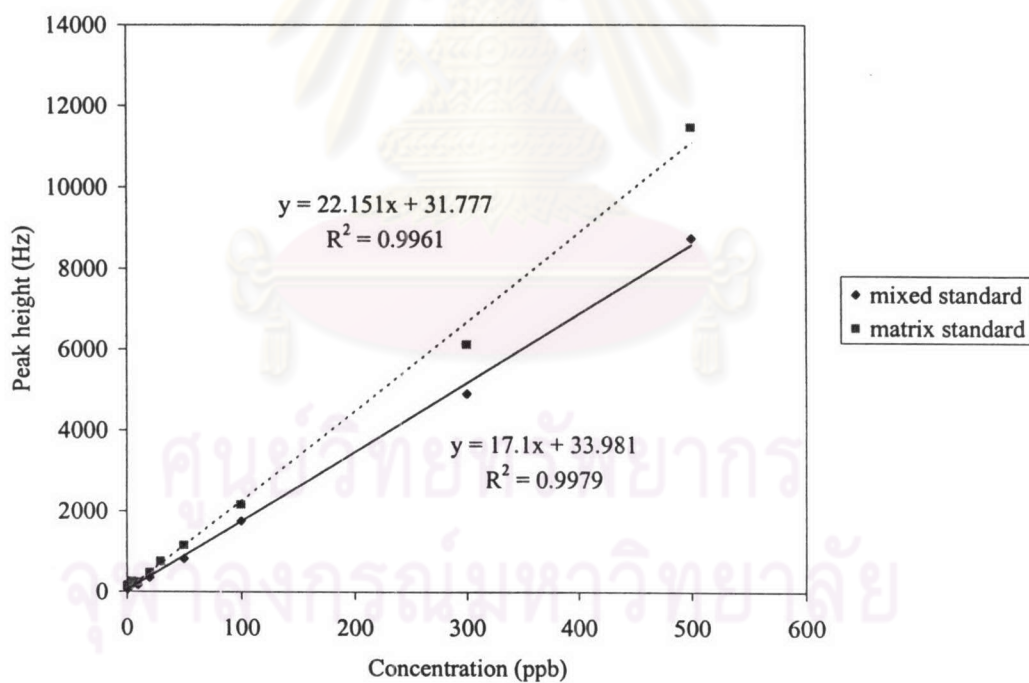


Figure A-14 The calibration curves of mixed and matrix of O,P'-DDT by GC
Conditions in Table 4.1

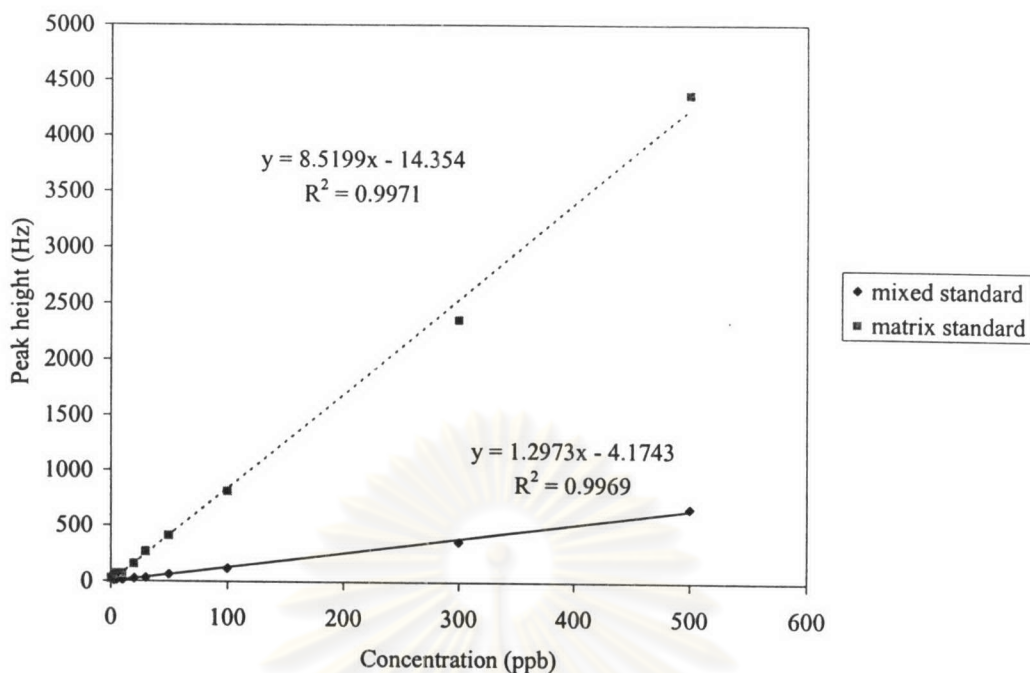


Figure A-15 The calibration curves of mixed and matrix of carbophenothion by GC
Conditions in Table 4.1

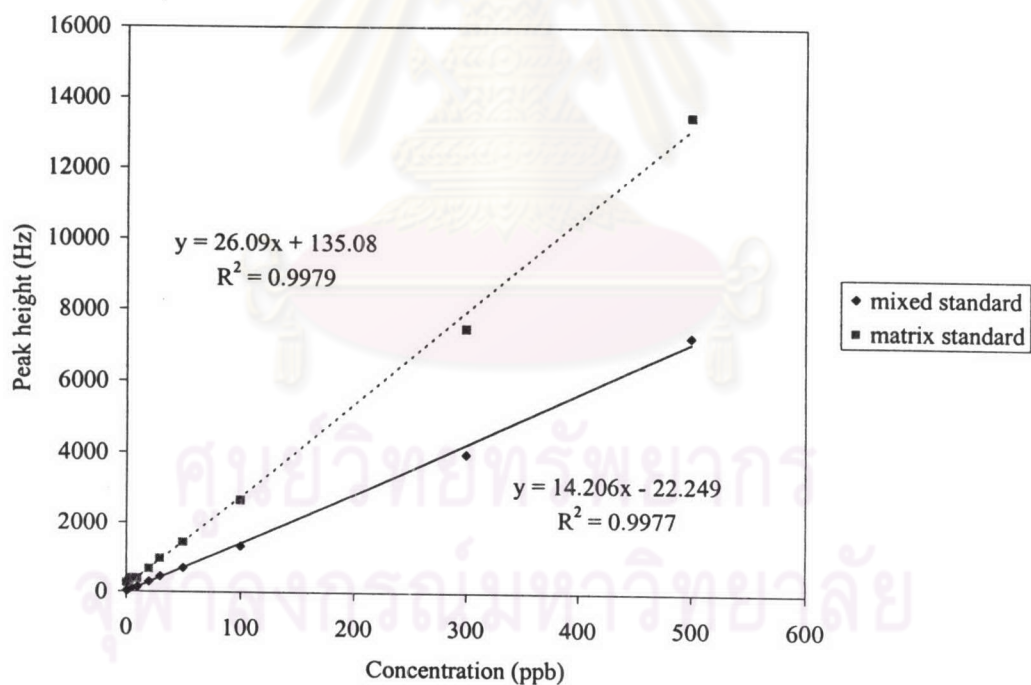


Figure A-16 The calibration curves of mixed and matrix of P,P'-DDT by GC
Conditions in Table 4.1

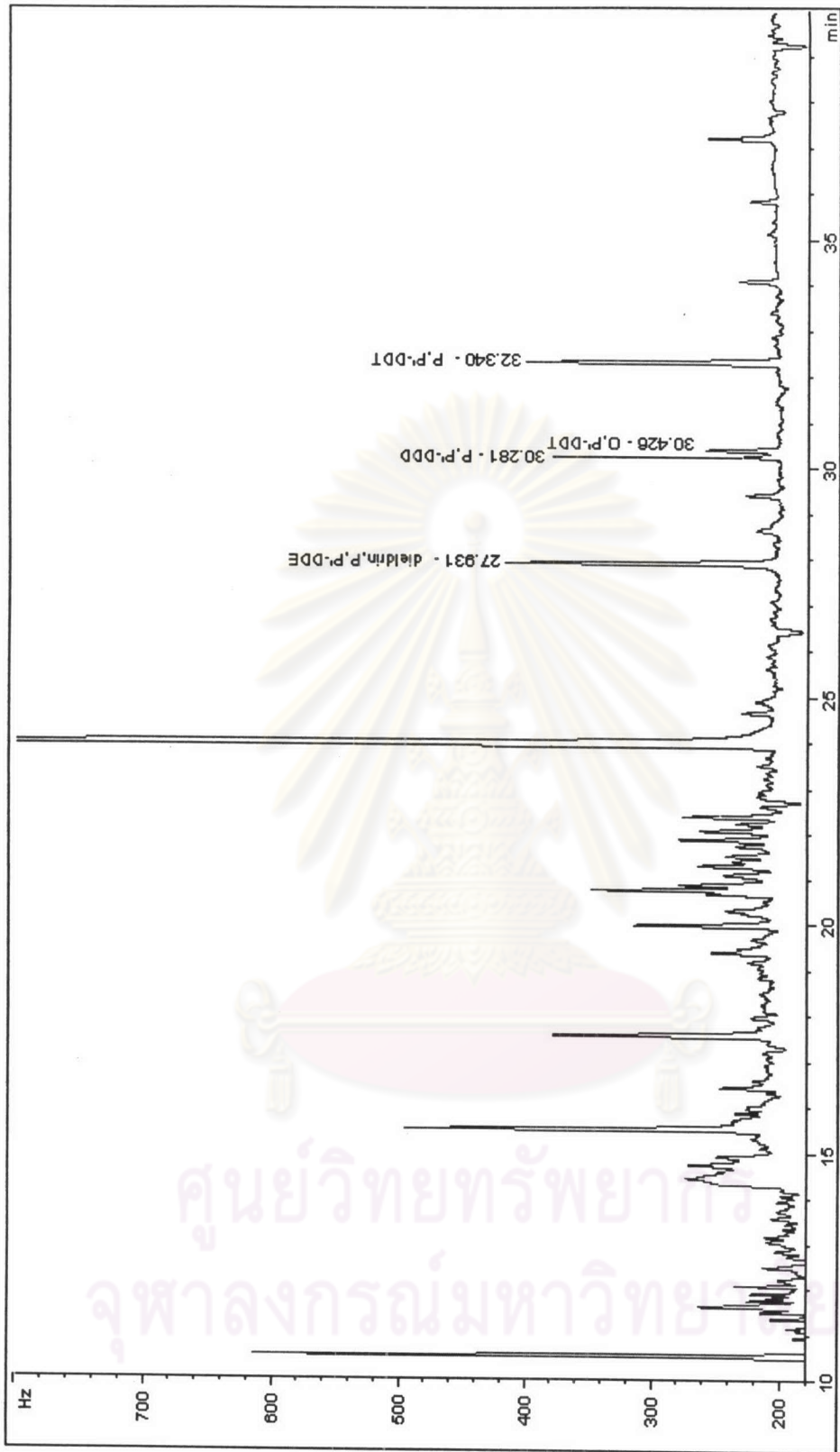


Figure A-17 The chromatogram of Turmeric powder from Market A (first extraction)

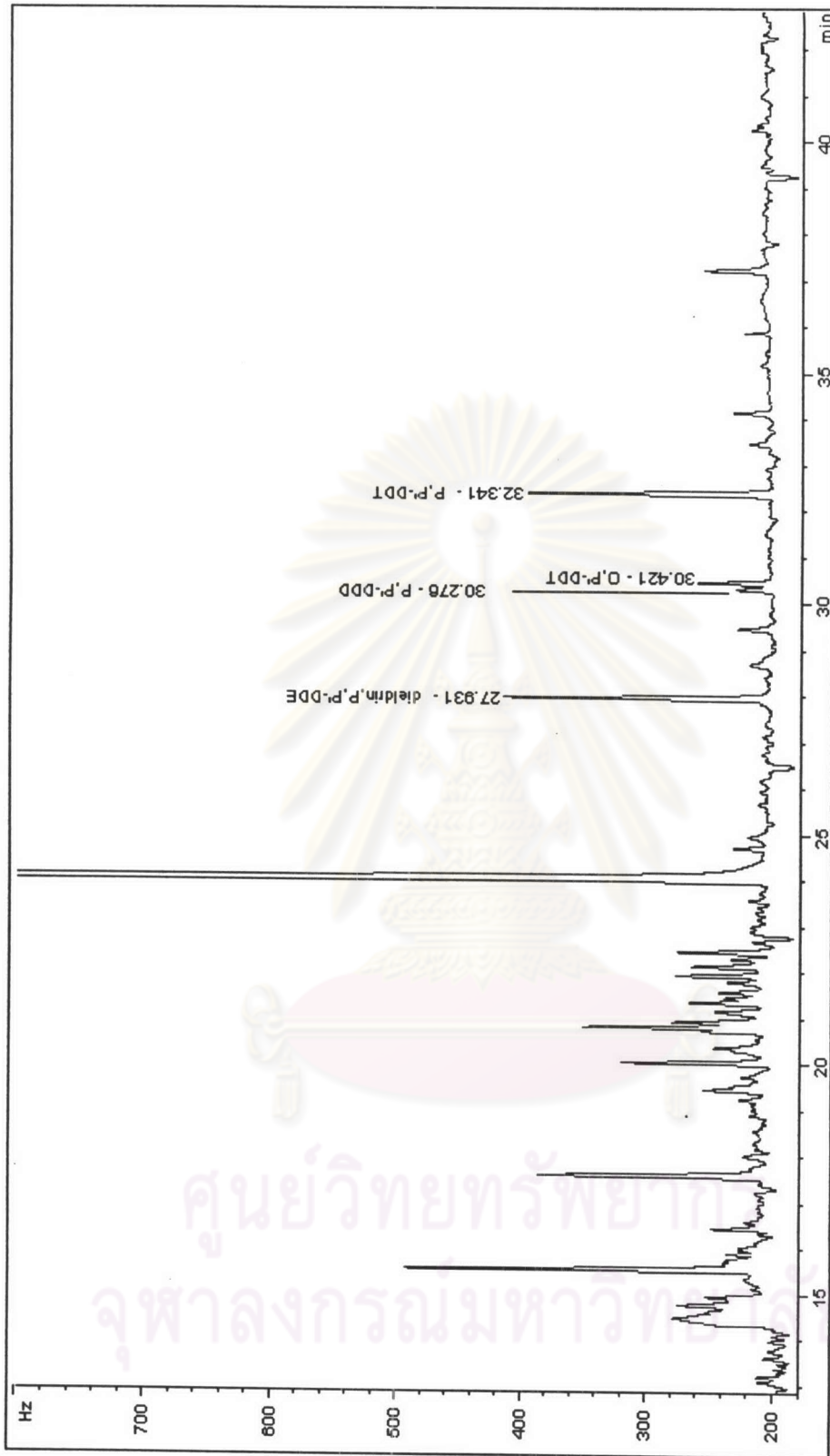


Figure A-18 The chromatogram of Turmeric powder from Market A (second extraction)

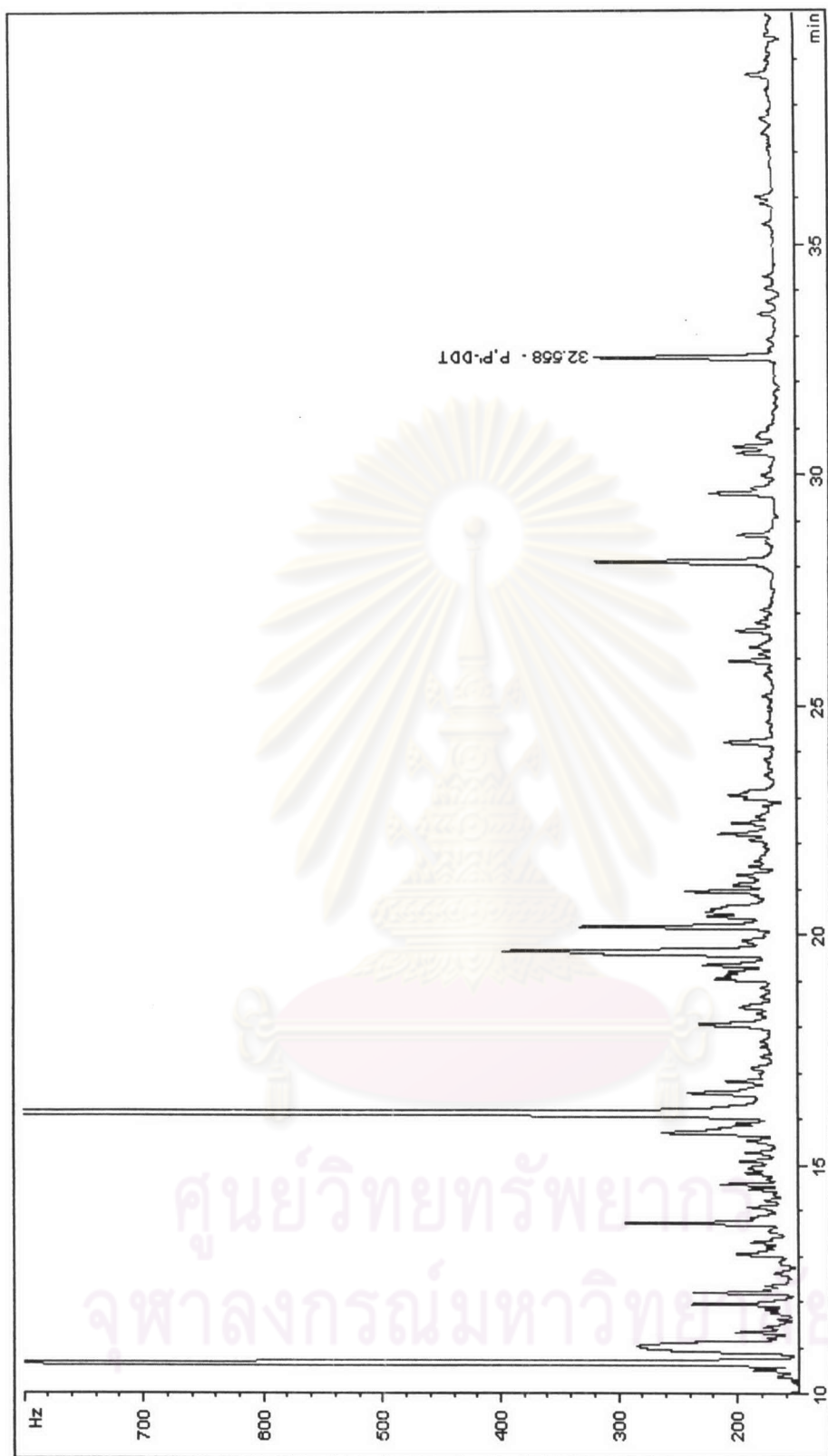


Figure A-19 The chromatogram of Turmeric powder from Market B (first extraction)

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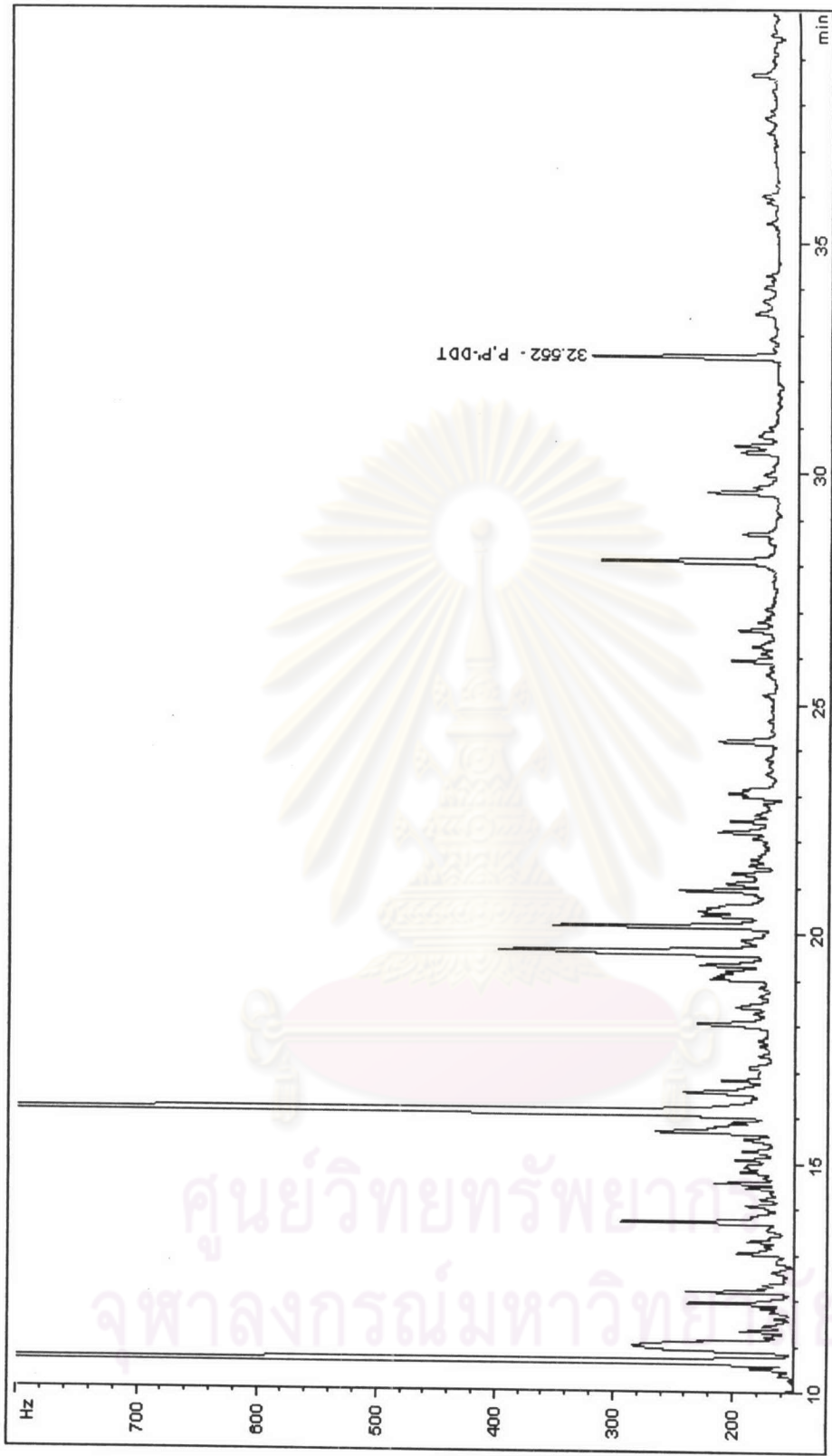


Figure A-20 The chromatogram of Turmeric powder from Market B (second extraction)

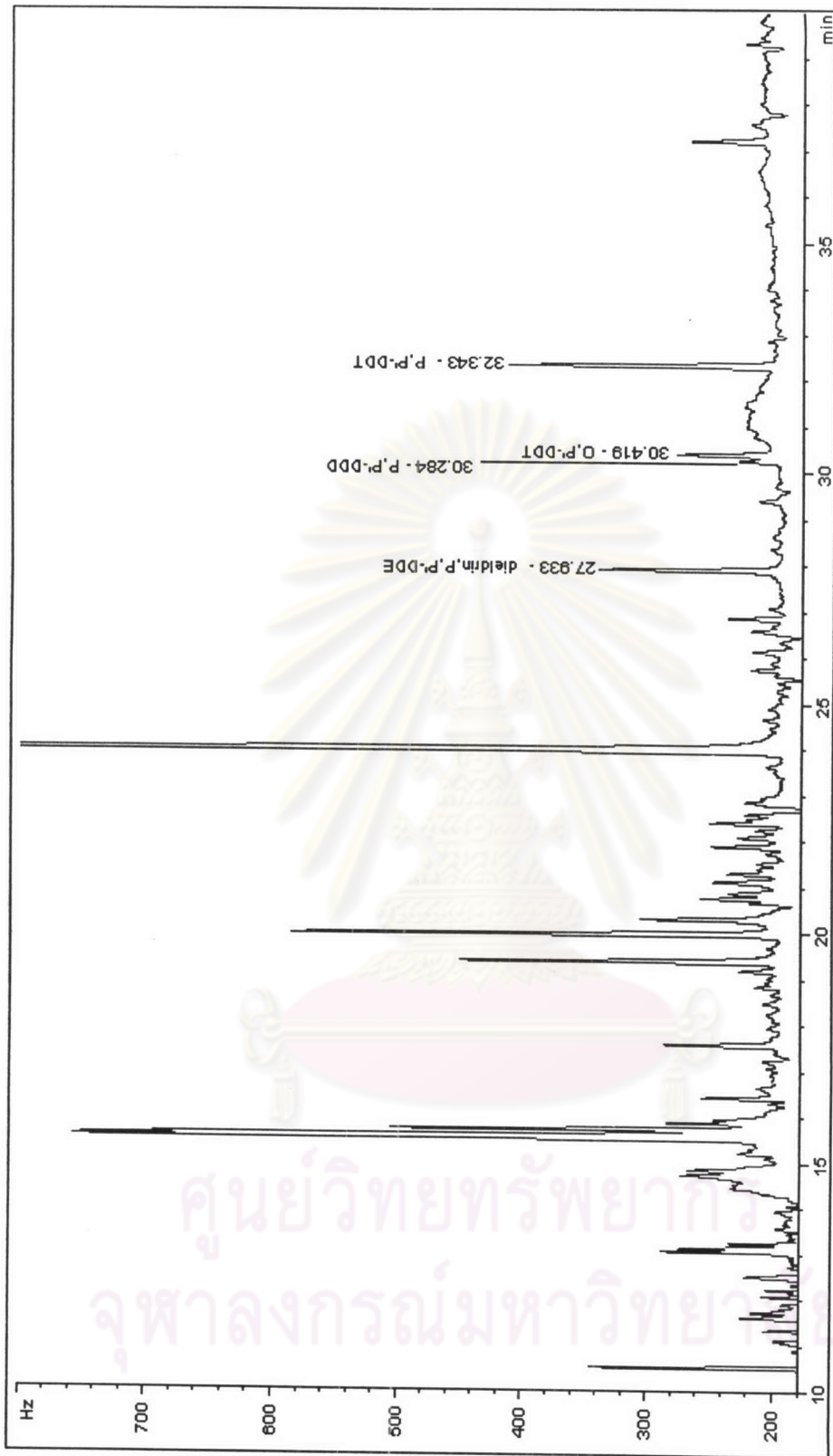


Figure A-21 The chromatogram of Turmeric powder from Market C (first extraction)

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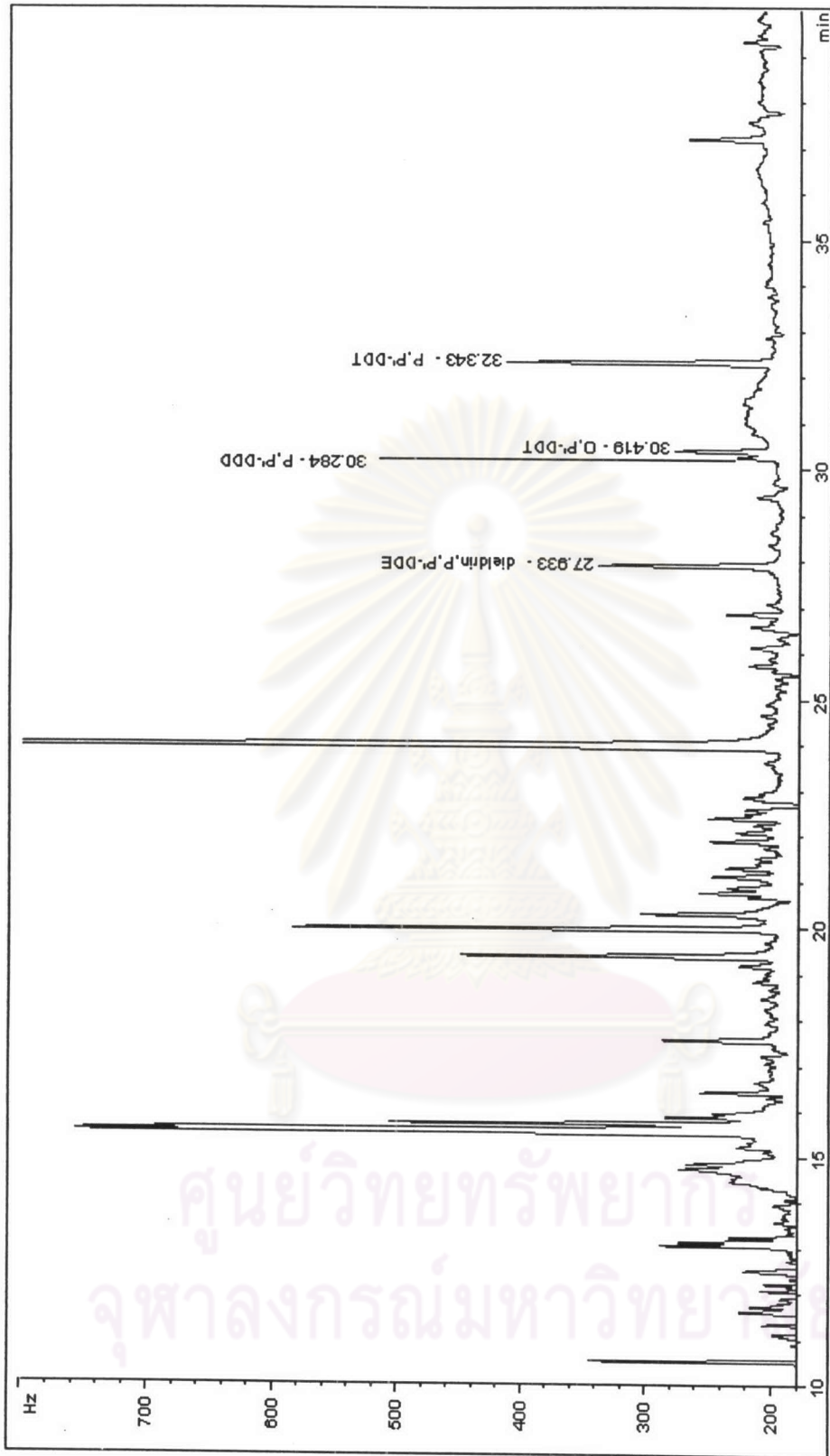


Figure A-22 The chromatogram of Turmeric powder Market C (second extraction)

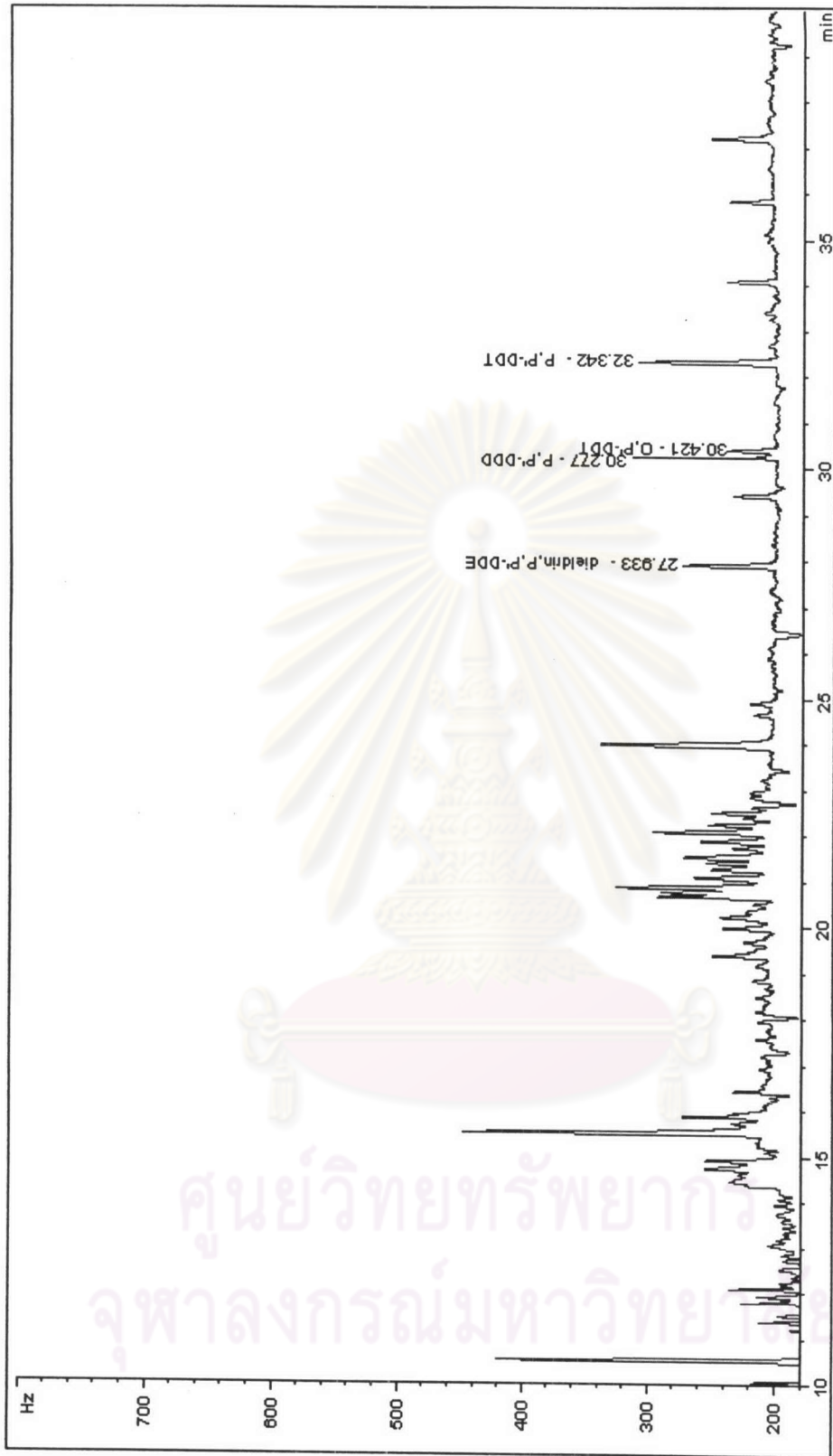


Figure A-23 The chromatogram of Turmeric powder from Commercial product A (first extraction)

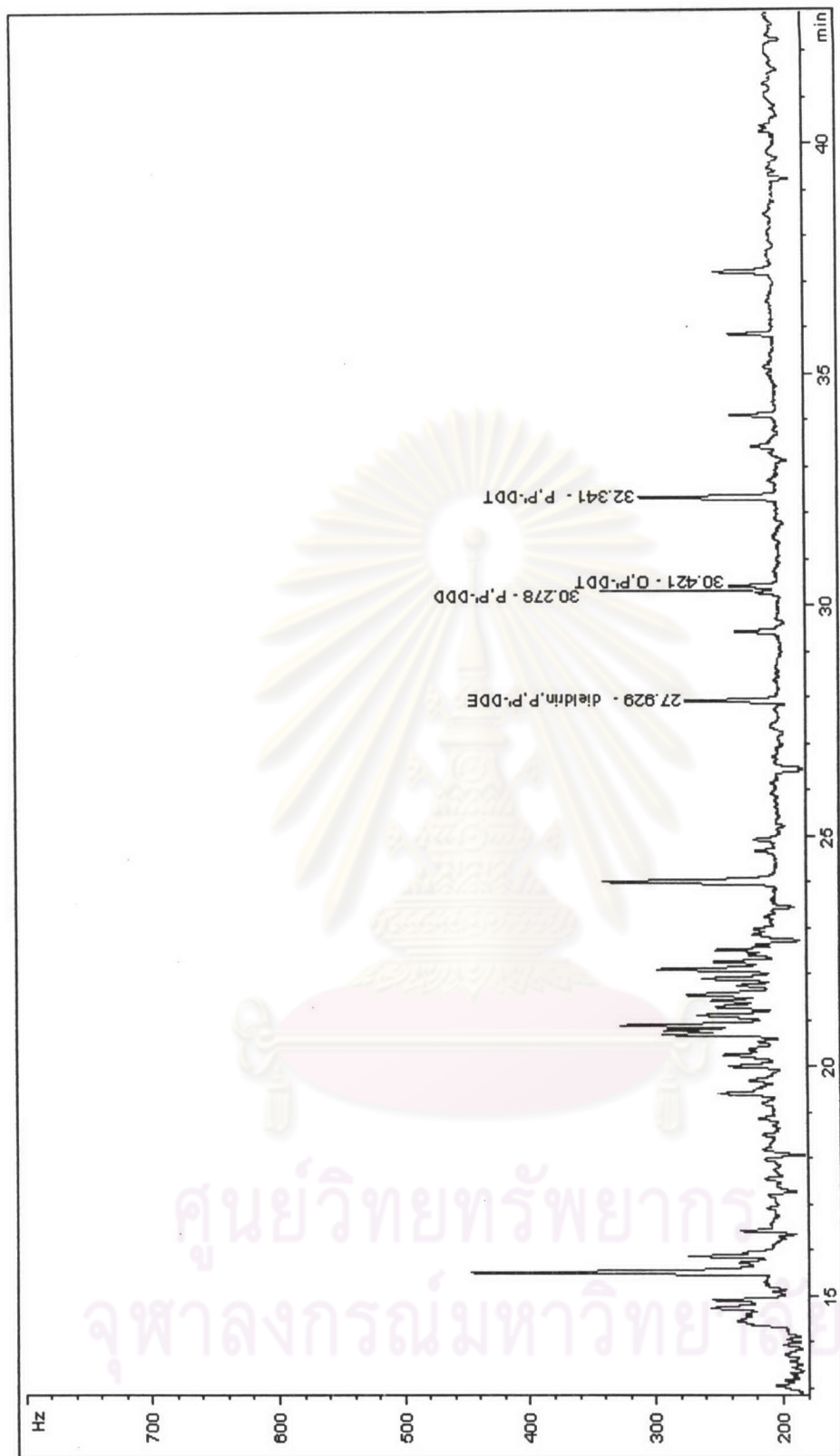


Figure A-24 The chromatogram of Turmeric powder Commercial product A (second extraction)

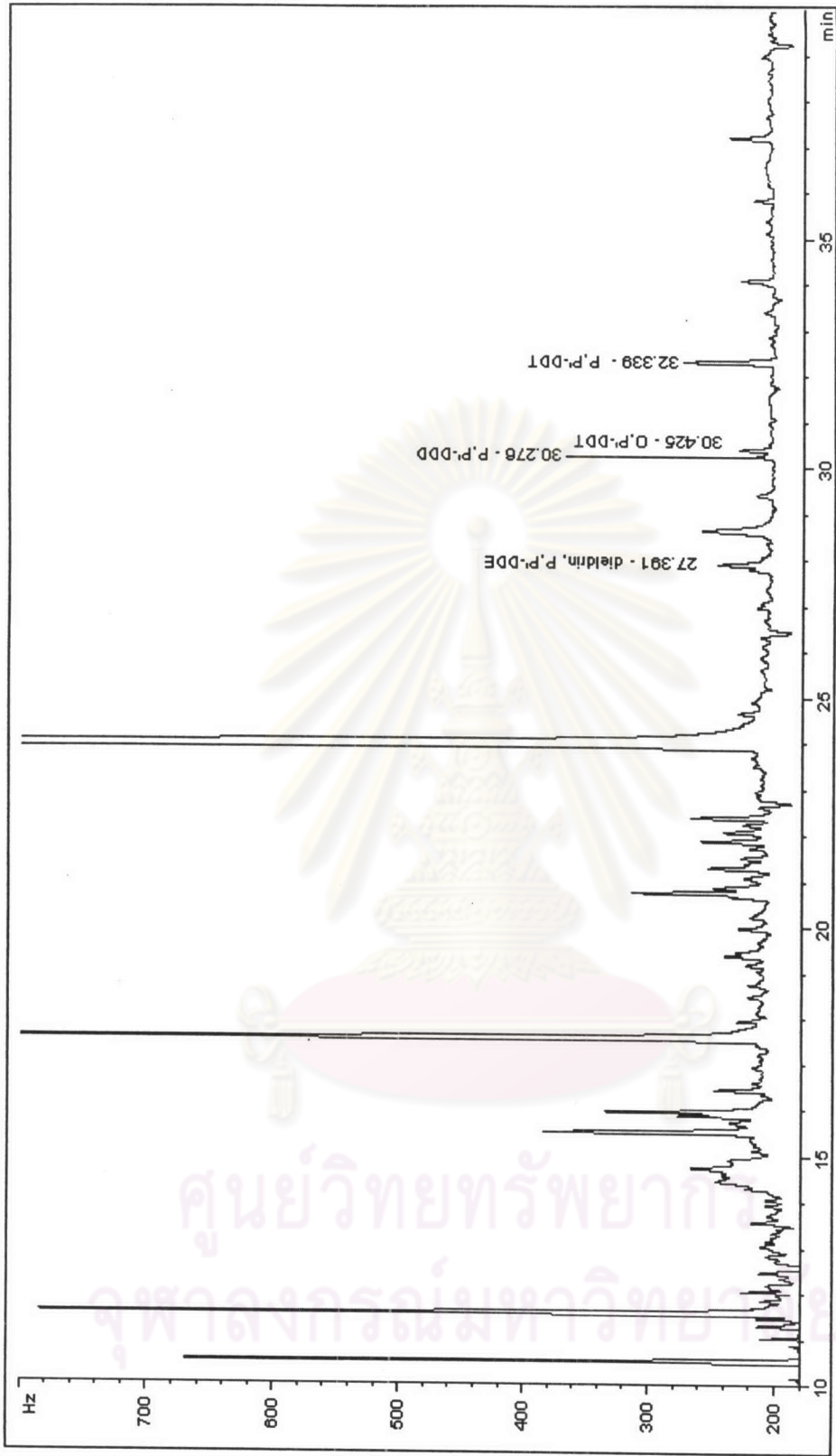


Figure A-25 The chromatogram of Turmeric powder from Commercial product B (first extraction)

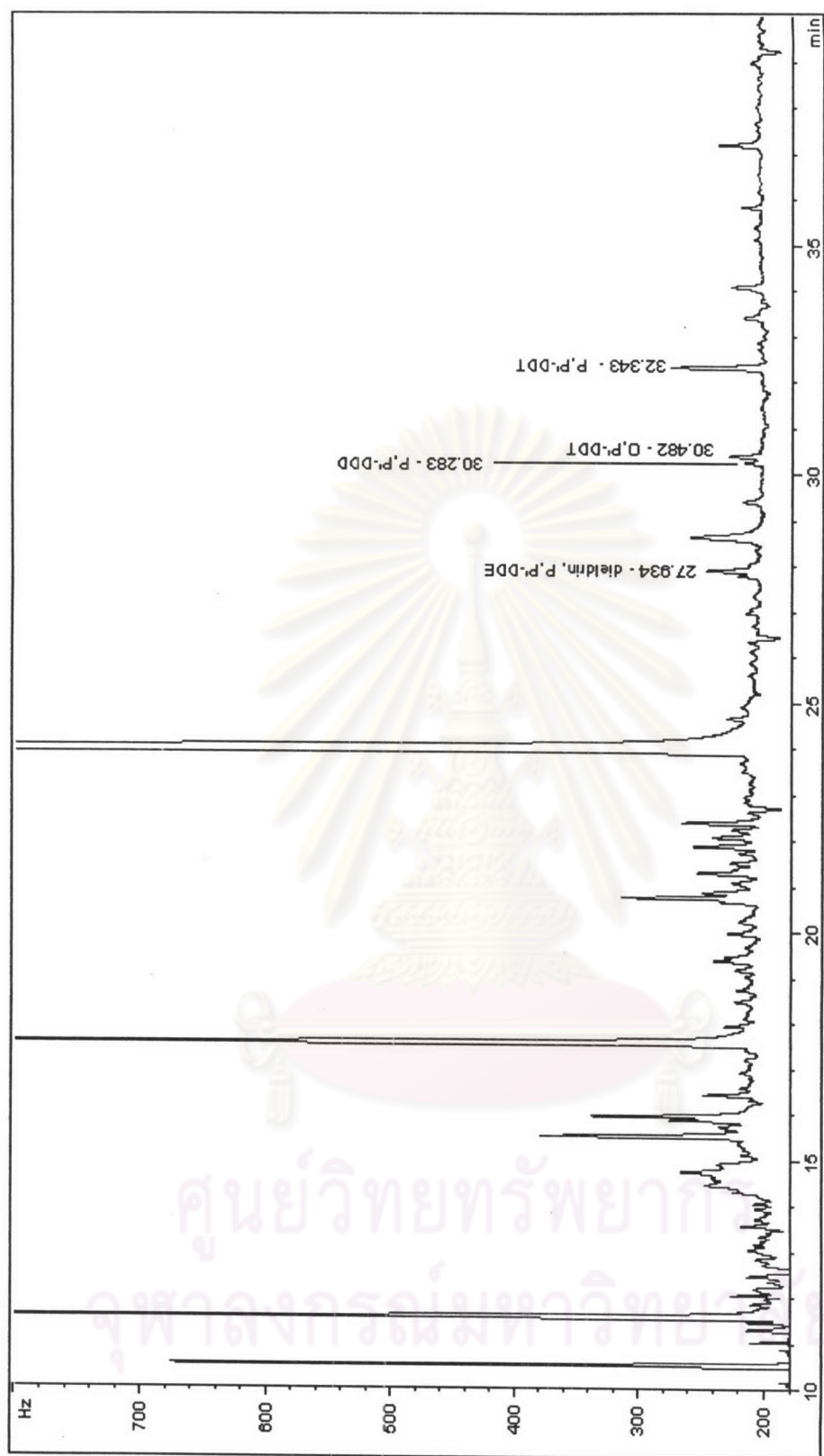


Figure A-26 The chromatogram of Turmeric powder from Commercial product B (second extraction)

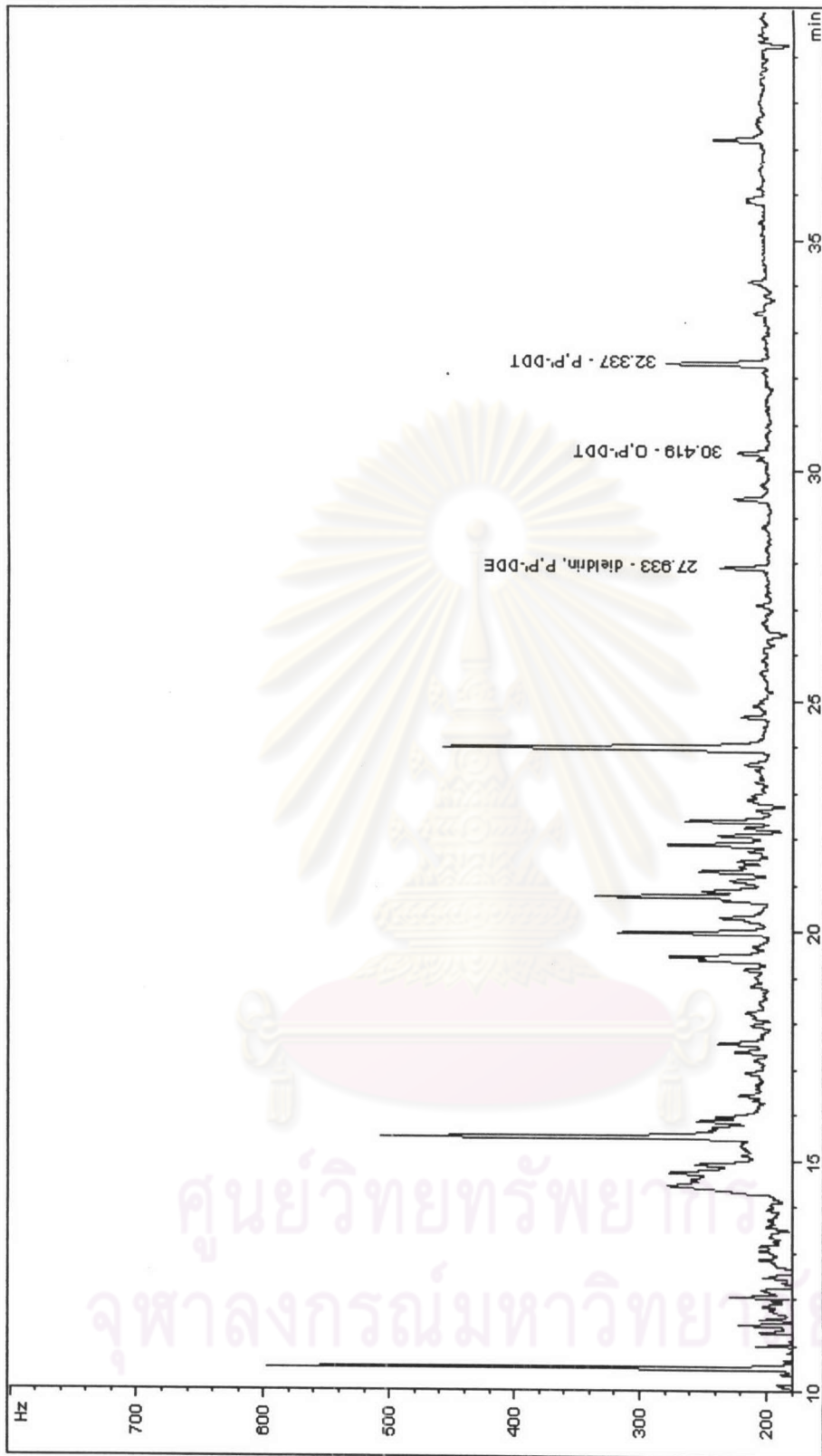


Figure A-27 The chromatogram of Turmeric powder from Commercial product C (first extraction)

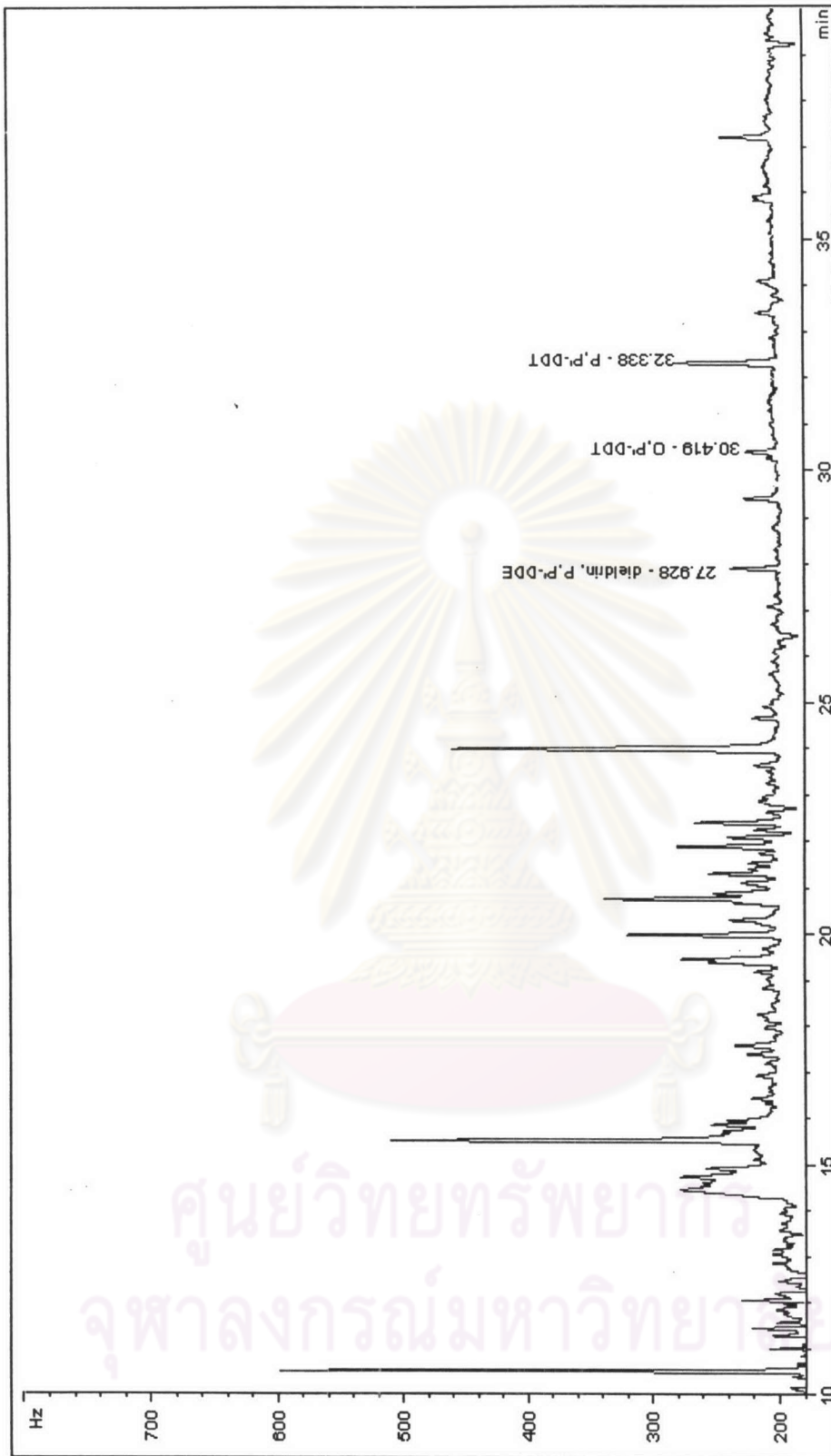


Figure A-28 The chromatogram of Turmeric powder from Commercial product B (second extraction)

VITA

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