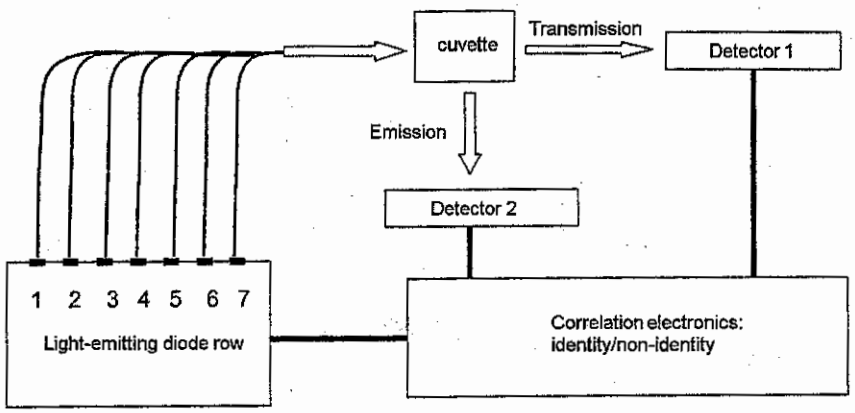

cuvette
Transmission
Detector 1
Emission
Detector 2
1 2 3 4 5 6 7
Light-emitting diode row
Correlation electronics:
identity/non-identity

Fig. 1

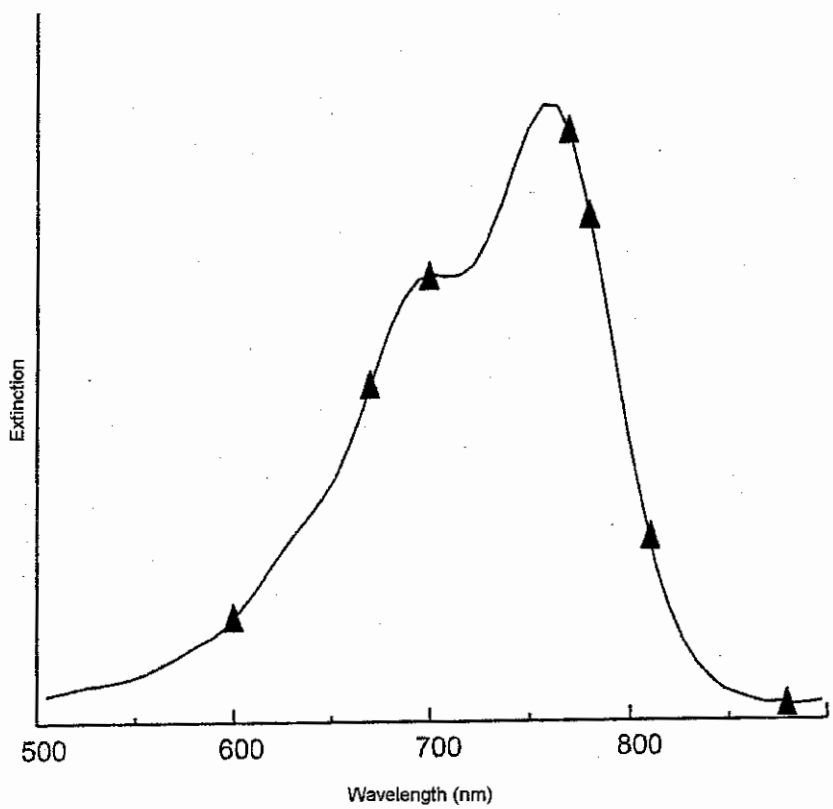

Extinction
500
600
700
800
Wavelength (nm)

Fig. 2

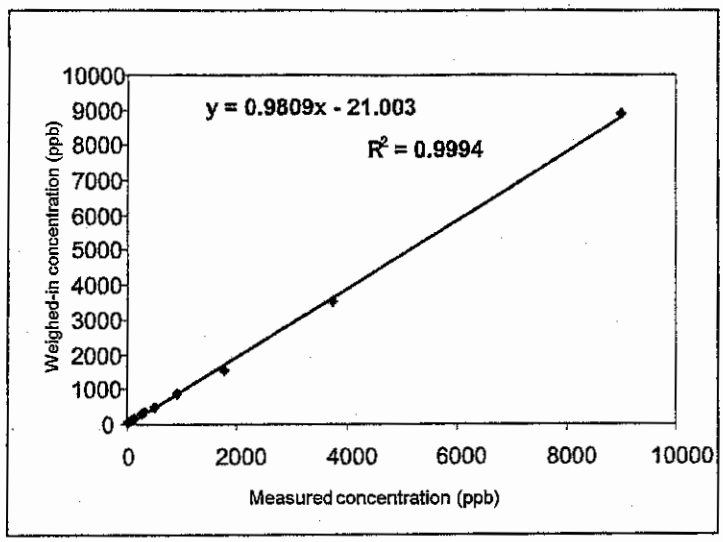

y = 0.9809x - 21.003
R2 = 0.9994
Weighed-in concentration (ppb)
Measured concentration (ppb)
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000

Fig. 3

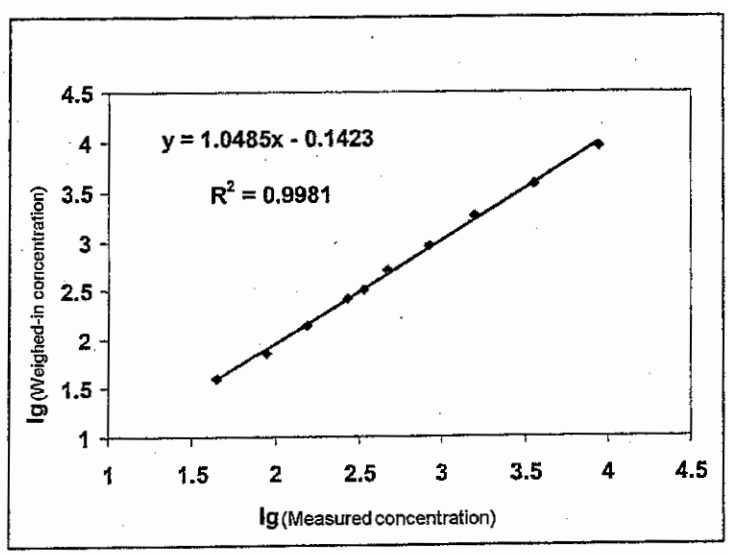

y = 1.0485x - 0.1423
R2 = 0.9981
lg (Weighed-in concentration)
lg (Measured concentration)
1
1.5
2
2.5
3
3.5
4
4.5

Fig. 4

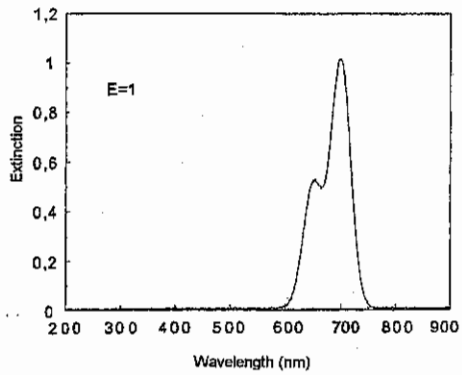


Fig. 5a

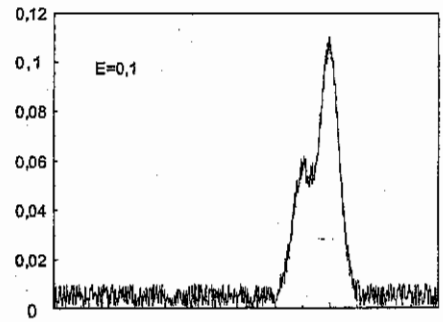


Fig. 5b

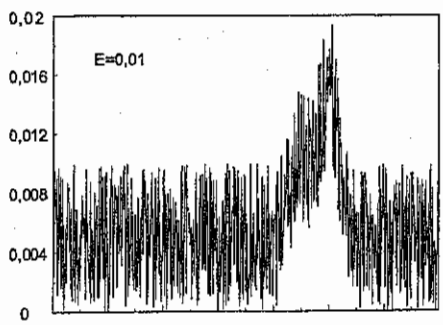


Fig. 5c

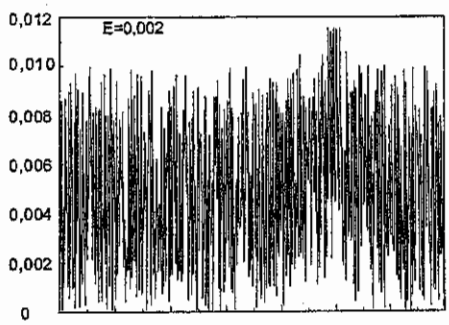


Fig. 5d

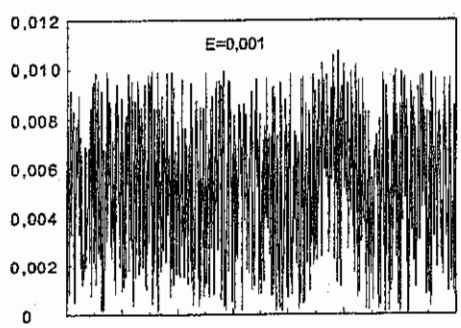


Fig. 5e

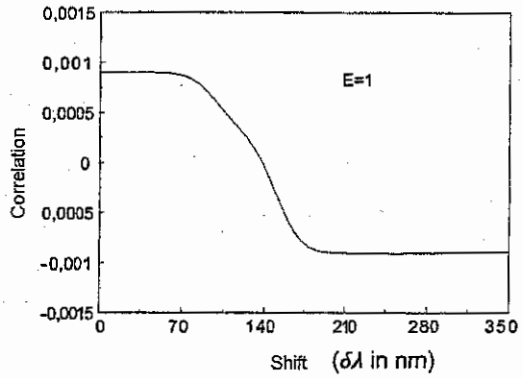


Fig. 6a

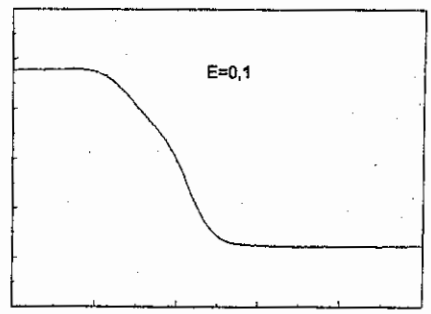


Fig. 6b

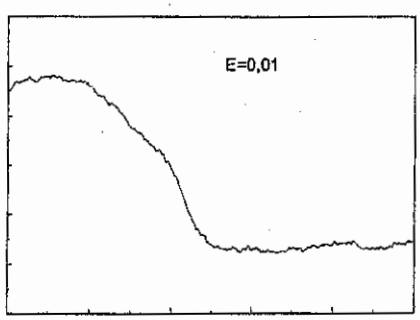


Fig. 6c

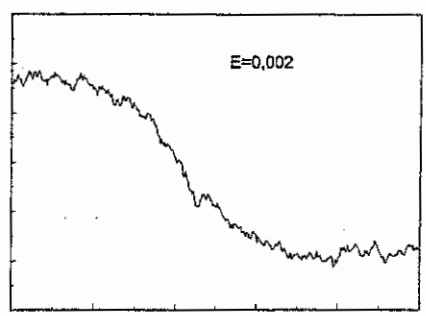


Fig. 6d

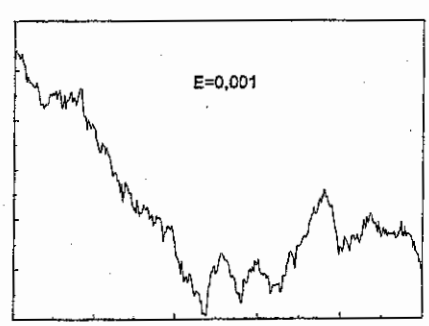


Fig. 6e