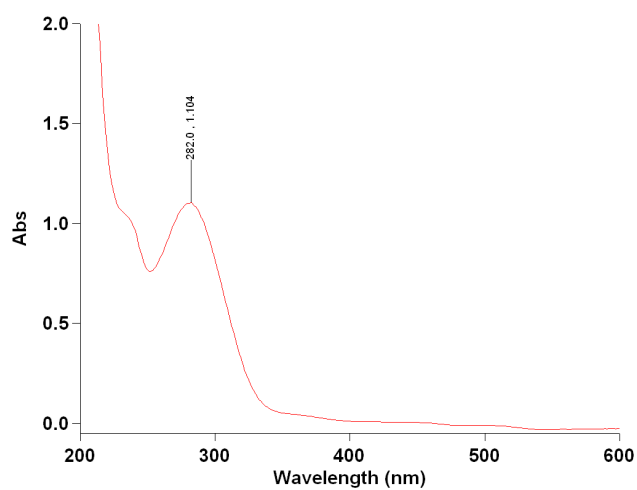
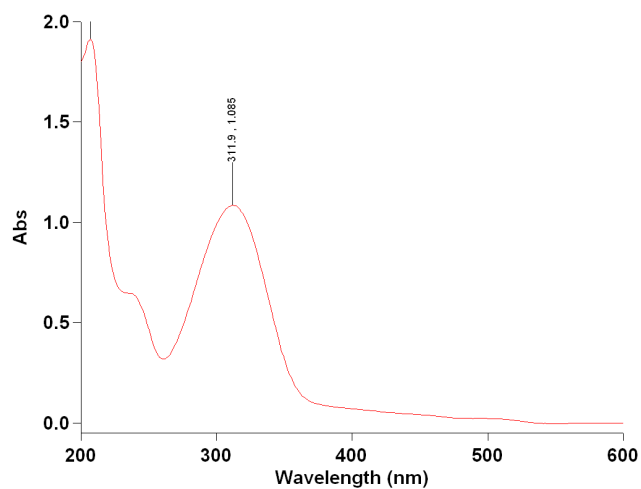


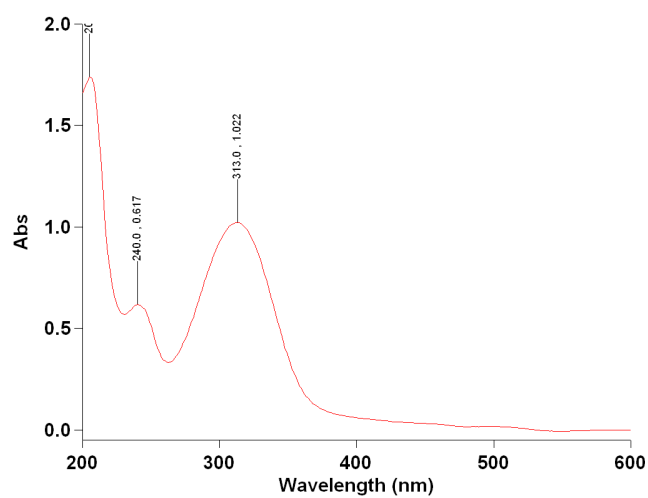
- a) *(2E,5E)*-2,5-bis(2-bromobenzylidene)cyclopentanone, (**2BrCP**) 100 μ L stock solution in 3 mL CH_3CN .



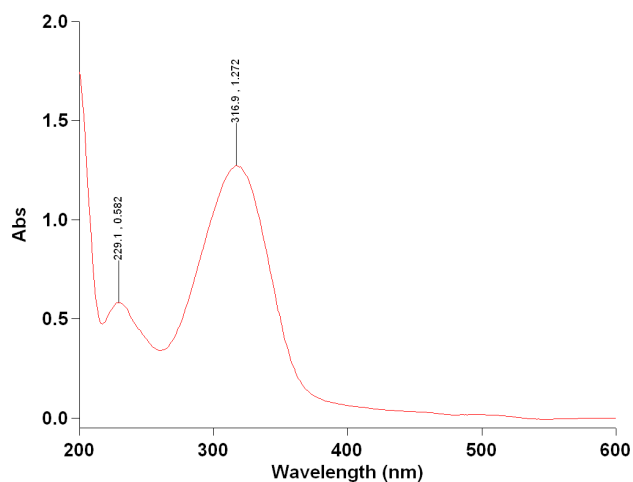
- b) *(2E,7E)*-2,7-bis(2-bromobenzylidene)cycloheptanone **2BrCH(ep)** 200 μ L stock solution in 3 mL CH_3CN .



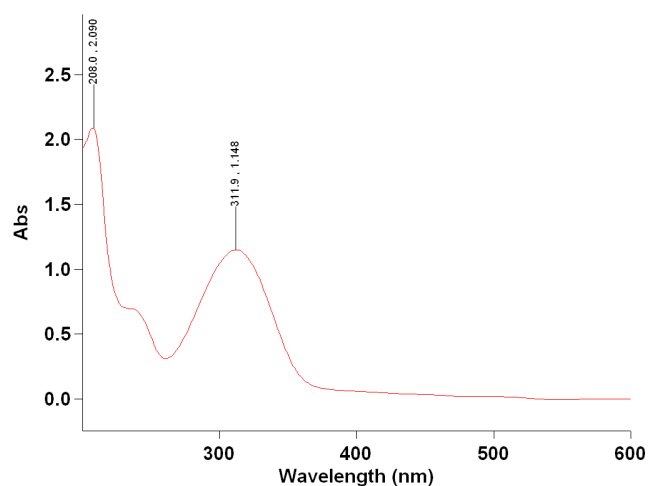
c) *(2E,6E)*-2,6-bis(2-bromobenzylidene)cyclohexanone (**2BrCX**, **B2BrBC**) 160 μ L stock solution in 3 mL CH_3CN .



d) *(3E,5E)*-3,5-bis(2-bromobenzylidene)-4-piperidone, (**2Br4PIP**) 120 μ L stock solution in 3 mL CH_3CN .

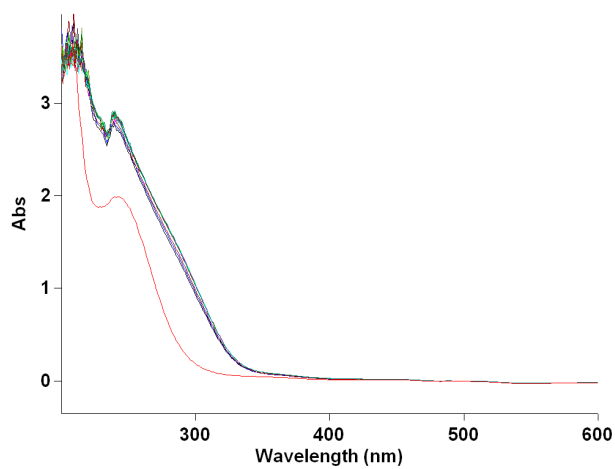


e) (3*E*,5*E*)-3,5-bis(2-fluorobenzylidene)-4-piperidone (**EF24**) 100 μ L stock solution in 3 mL CH_3CN .

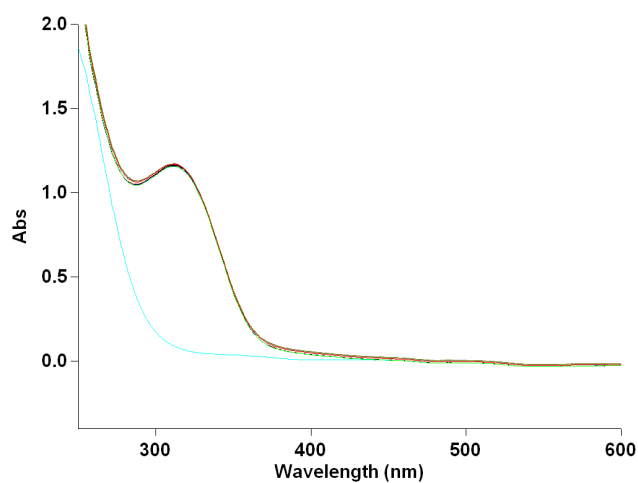


f) (2*E*,6*E*)-2,6-bis(2-bromobenzylidene)-4-*tert*-butyl-cyclohexanone (**4tB2BrCX**)_180 μ L stock solution in 3 mL CH_3CN .

Figure S1. UV-Vis spectra of symmetrical MACs containing a 2-bromobenzylidene moiety and **EF24** in acetonitrile a)- f).



a) **2BrCH(ep)** 200 μL in + 2.5 mg/mL 2DMAESH (80/20 CH₃CN/H₂O)



b) **4tB2BrCX** 180 μL + 2.5 mg/mL 2DMAESH (80/20 CH₃CN/H₂O) (blue trace) (3 hours).

Figure S2. UV-VIS spectra of MACs added to 2-(dimethylamino)ethanethiol (2DMAESH) (2.5 mg/mL) in 80:20 acetonitrile/H₂O a) and b). The blue trace in b) is from only 2.5 mg/mL 2DMAESH in 80:20 acetonitrile/H₂O.