Supplementary material for

HPLC-DAD AND HPLC-ESI-Q-ToF CHARACTERISATION OF EARLY 20TH CENTURY LAKE AND PIGMENTS FROM LEFRANC ARCHIVES

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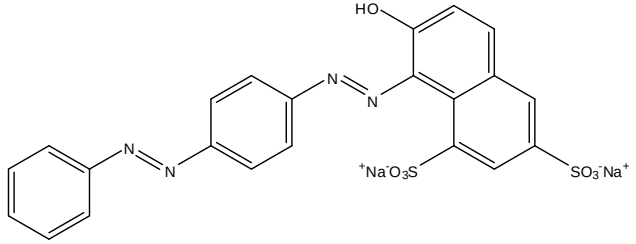
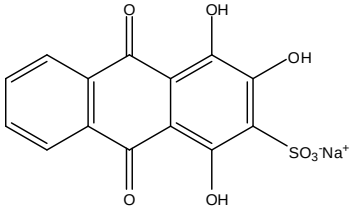
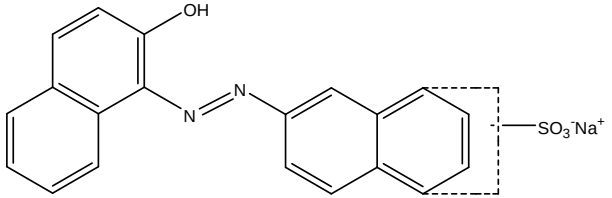
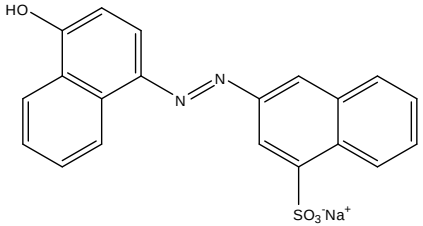
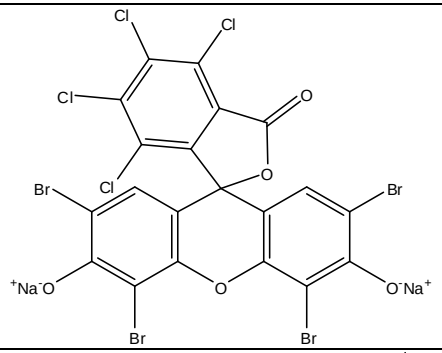
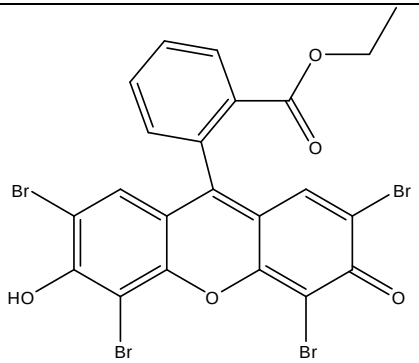
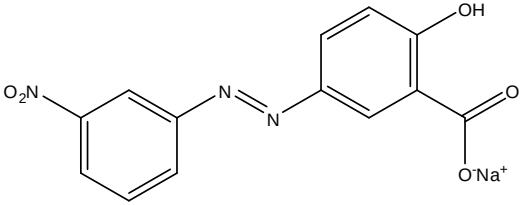
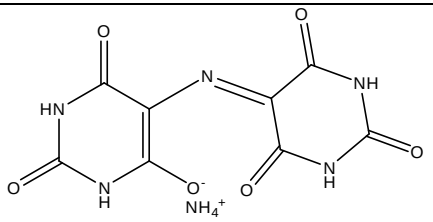
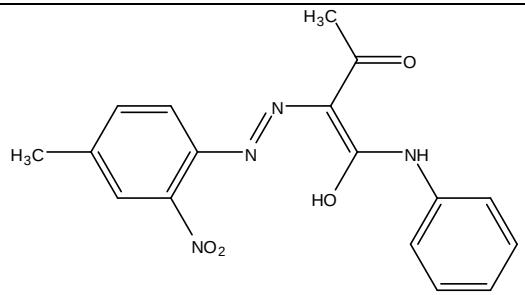
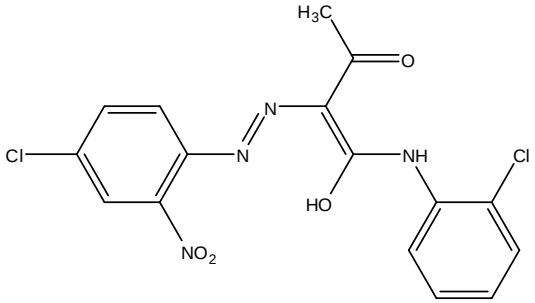
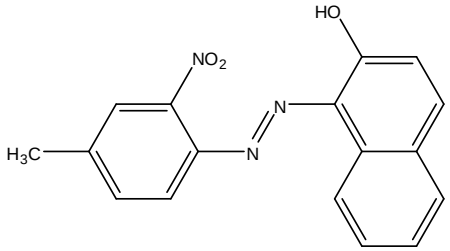
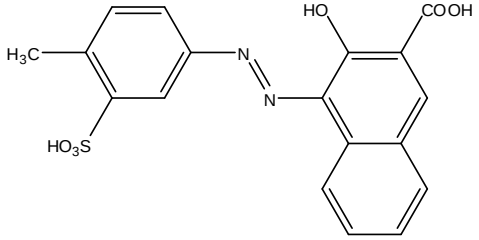
Table SI 1: Molecular structures of mentioned compounds (6)(10).

Common dye name (other names) and molecular formula	CI name/number	Colorant class	Structure	Date of the first patent
Cotton scarlet ($C_{22}H_{14}N_4Na_2O_7S_2$)	Acid Red 73, 27290	Disazo		1882
Alizarin Red PS ($C_{14}H_7NaO_8S$)	Pigment Red 84, 58210	Anthraquinone		1884
Scarlet N for Silk ($C_{20}H_{13}N_2NaO_4S$)	Acid Red 9, 15635	Monoazo		1877
Naphthylamine Brown F ($C_{20}H_{13}N_2NaO_4S$)	Acid Brown 6, 14625	Monoazo		1878

Phloxine B ($C_{20}H_2Br_4Cl_4Na_2O_5$)	Acid Red 92, 45410	Xanthene		?
Ethyl ester of eosin ($C_{22}H_{12}Br_4O_5$)	Ethyl ester of Acid Red 87	Xanthene		eosin in acid form, since 1871
Alizarin Yellow ($C_{13}H_8N_3NaO_5$)	Mordant Yellow 1, 14025	Monoazo		1887
Murexide ($C_8H_8N_6O_6$)	56085			reported by Scheele in 1776; commercially available since 1853

Hansa Yellow G, non-laked pigment ($C_{17}H_{16}N_4O_4$)	Pigment Yellow 1, 11680	Arylide yellow (Hansa yellow)		1909
Hansa Yellow 10G, non-laked pigment ($C_{16}H_{12}Cl_2N_4O_4$)	Pigment Yellow 3, 11710	Arylide yellow (Hansa yellow)		1910
Toluidine Red ($C_{17}H_{13}N_3O_3$)	Pigment Red 3, 12120	β-naphthol		1905
($C_{18}H_{14}N_2O_6S$)	Pigment Red 115, 15851	β-naphthol		?