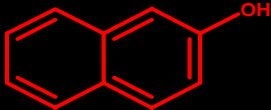
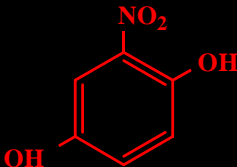
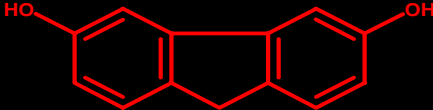
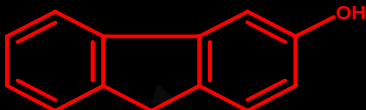
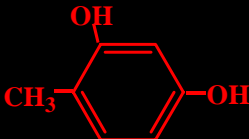


Novel Compounds from Toluene Monooxygenases

Product	Enzyme	Structure	Application
2-naphthol	T4MO I100A		50,000 ton/yr, no domestic source
nitrohydroquinone	ToMO E214G		dephostatin (Alzheimer's & Parkinson's)
3,6-dihydroxyfluorene & 2,6-dihydroxynaphthalene	T4MO		?
1-, 3-, & 4-hydroxyfluorene	TOM & TOM V106A		? aromatic polyesters
4-methylresorcinol*	ToMO F205G		\$200,000/kg

*Previously seen in a consortium but no enzymes identified