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$C_2F_6O_2S_2$ $CF_3SO_2SCF_3$	**Trifluoromethanesulfonothioic acid trifluoromethyl ester** Structure by GED and ab initio calculations *S. L. Masters, D. A. Wann, H. E. Robertson, D. W. H. Rankin, A. Ben Altabef et al.* Manuscript in preparation
$C_4H_{12}BN$ $C_4H_9N\text{-}BH_3$	**Pyrrolidine-borane (1/1)** Structure by GED and ab initio calculations *A. M. Ja'o, D. A. Wann, C. D. Rankine, J. P. F. Nunes, J.-C. Guillemin, and S. L Masters* *Struct. Chem.* 32 (2021) 205–213
$C_4H_{12}BNO$ $C_4H_{12}NO\text{-}BH_3$	**Morpholine-borane (1/1)** Structure by GED, XRD and ab initio calculations *A. M. Ja'o, D. A. Wann, C. D. Rankine, M. I. J. Polson, and S. L Masters* *Aus. J. Chem.73* (2020) 794-802
$C_4H_{16}B_2N_2$ $BH_3\text{-}C_4H_{10}N_2\text{-}BH_3$	**Piperidine-diborane (1/1)** Structure by GED and ab initio calculations *A. M. Ja'o, J. P. F. Nunes, C. D. Rankine, D. A. Wann, and S. L Masters* Manuscript in preparation
$C_5H_{14}BN$ $C_5H_{11}N\text{-}BH_3$	**Piperidine-borane (1/1)** Structure by GED and ab initio calculations *A. M. Ja'o, D. A. Wann, C. D. Rankine, J. P. F. Nunes, J.-C. Guillemin, and S. L Masters* *Struct. Chem. 32* (2021) 205–213
$C_6H_8O_4$	**2,2-Dimethyl-1,3-dioxane-4,6-dione (Meldrum's acid)** Structure by GED and ab initio calculations *S. J. Atkinson and S. L. Masters* Manuscript in preparation
$C_7H_{16}Cl_3PSi$ $^tBu^iPrPSiCl_3$	**(tert-Butyl)(iso-propyl)(trichlorosilyl)phosphine** Structure by GED, UCONGA and ab initio calculations *I. Wagner, E. Seppälä, H. E. Robertson W.-W. du Mont and S. L. Masters* Manuscript in preparation
$C_{12}H_{36}P_2Si_4$ $P_2(SiMe_3)_4$	**1,1,2,2-Tetrakis(trimethylsilyl)diphosphane** Structure by GED, UCONGA and ab initio / DFT methods *A. P. Flanagan, H. Humphrey-Taylor, N. R. Gunby, H. E. Robertson and S. L. Masters* Manuscript in preparation
$C_{14}H_{14}O_2S$ $(C_6H_5CH_2)_2SO_2$	**Dibenzyl sulfone** Structure by GED and ab initio / DFT methods *R. Noble-Eddy, B. H. C. Wilson and S. L. Masters* Manuscript in preparation
$C_{18}H_{54}Si_8$ $Si_2(SiMe_3)_6$	**Hexakis(trimethylsilyl)disilane** Vibrational spectra and structure by GED and ab initio calculations *K. Hassler, H. E. Robertson, S. L. Masters et al.* Manuscript in preparation