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BrNa NaBr	**Sodium bromide** Structure by ED and ab initio calculations *D. A. Wann, D. W. H. Rankin, P. D. McCaffrey, and R. J. Mawhorter* Manuscript submitted
Br_2Na_2 Na_2Br_2	**Sodium bromide dimer** Structure by ED and ab initio calculations *D. A. Wann, D. W. H. Rankin, P. D. McCaffrey, and R. J. Mawhorter* Manuscript submitted
$C_2F_6O_2S_2$ $CF_3SO_2SCF_3$	**Trifluoromethanesulfonothioic acid trifluoromethyl ester** Structure by ED 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
$C_2H_4O_4S_2$ O_2-cyclo-$S(CH_2)_2S$-O_2	**1,3-Dithietane-1,1,3,3-tetraoxide** Structure by ED and ab initio calculations *D. A. Wann, A. Bil, P. D. Lane, H. E. Robertson, D. W. H. Rankin, and E. Block* Struct. Chem., **24** (2013), 827
C_6HCl_5 C_6HCl_5	**Pentachlorobenzene** Structure by ED and liquid crystal NMR spectroscopy *R. Blom, D. A. Wann, D. W. H. Rankin et al.* Manuscript in preparation.
$C_6H_2Cl_4$ 1,2,3,4-$C_6H_2Cl_4$	**1,2,3,4-Tetrachlorobenzene** Structure by ED and liquid crystal NMR spectroscopy *R. Blom, D. A. Wann, D. W. H. Rankin et al.* Manuscript in preparation.
$C_6H_{12}F_6Si_2$ $CF_3Me_2SiSiMe_2CF_3$	**1,2-Trifluoromethyl-1,1,2,2-tetramethyldisilane** Structure by ED, X-ray diffraction and ab initio calculations, interpretation of Raman spectra *S. L. Masters, D. A. Wann, H. E. Robertson, F. Lennox, D. W. H. Rankin, I. Arnason, K. Hassler et al.* Manuscript in preparation
$C_7H_{16}Cl_3PSi$ (tBu)(iPr)$PSiCl_3$	**(tert-Butyl)(iso-propyl)(trichlorosilyl)phosphine** Structure by ED and ab initio calculations *E. Seppälä, W.-W. du Mont, S. L. Masters, D. W. H. Rankin, and H. E. Robertson* Manuscript in preparation
$C_9H_{24}Br_4Si_4$ $C(SiMe_2Br)_4$	**Tetrakis(bromodimethylsilyl)methane** Structure by ED and computational methods *K. Bätz, G. R. Kafka, D. A. Wann, P. D. Lickiss, S. L. Masters, H. E. Robertson, and D. W. H. Rankin* Manuscript in preparation
$C_9H_{24}Cl_4Si_4$	**Tetrakis(chlorodimethylsilyl)methane** Structure by ED and computational methods

$C(SiMe_2Cl)_4$	*K. Bätz, G. R. Kafka, D. A. Wann, P. D. Lickiss, S. L. Masters, H. E. Robertson, and D. W. H. Rankin* Manuscript in preparation
$C_9H_{24}F_4Si_4$ $C(SiMe_2F)_4$	**Tetrakis(fluorodimethylsilyl)methane** Structure by ED and computational methods *K. Bätz, G. R. Kafka, D. A. Wann, P. D. Lickiss, S. L. Masters, H. E. Robertson, and D. W. H. Rankin* Manuscript in preparation
$C_9H_{28}Si_4$ $C(SiMe_2H)_4$	**Tetrakis(dimethylsilyl)methane** Structure by ED and computational methods *K. Bätz, P. D. Lickiss, S. L. Masters, H. E. Robertson, and D. W. H. Rankin* Manuscript in preparation
$C_{10}H_{20}N_2$ ButN=CHCH=NBut	**N,N'-Di-tert-butyl-1,4-diaza-1,3-butadiene** Structure by ED and computational methods *C. Jones, D. A. Wann, H. E. Robertson, and D. W. H. Rankin* Manuscript in preparation.
$C_{11}H_{30}Br_2Si_4$ $C(SiMe_3)_2(SiMe_2Br)_2$	**Bis(bromodimethylsilyl)bis(trimethylsilyl)methane** Structure by ED and computational methods *K. Bätz, D. A. Wann, P. D. Lickiss, S. L. Masters, H. E. Robertson, and D. W. H. Rankin* Manuscript in preparation
$C_{11}H_{30}Cl_2Si_4$ $(Me_3Si)_2C(SiClMe_2)_2$	**Bis(chlorodimethylsilyl)-bis(trimethylsilyl)methane** Structure by ED and computational methods *K. Bätz, D. A. Wann, P. D. Lickiss, S. L. Masters, H. E. Robertson, and D. W. H. Rankin* Manuscript in preparation
$C_{11}H_{32}Si_4$ $C(SiMe_3)_2(SiMe_2H)_2$	**Bis(dimethylsilyl)bis(trimethylsilyl)methane** Structure by ED and computational methods *K. Bätz, D. A. Wann, P. D. Lickiss, S. L. Masters, H. E. Robertson, and D. W. H. Rankin* Manuscript in preparation
$C_{12}Fe_3O_{12}$ $Fe_3(CO)_{12}$	**Dodecacarbonyltriiron** Structure by ED and ab initio calculations *G. R. Kafka, S. L. Masters, D. W. H. Rankin et al.* Manuscript in preparation.
FNa NaF	**Sodium fluoride** Structure by ED and ab initio calculations *D. A. Wann, D. W. H. Rankin, P. D. McCaffrey, and R. J. Mawhorter* Manuscript submitted
F_2Na_2 Na_2F_2	**Sodium fluoride dimer** Structure by ED and ab initio calculations *D. A. Wann, D. W. H. Rankin, P. D. McCaffrey, and R. J. Mawhorter* Manuscript submitted
INa NaI	**Sodium iodide** Structure by ED and ab initio calculations *D. A. Wann, D. W. H. Rankin, P. D. McCaffrey, and R. J. Mawhorter* Manuscript submitted
I_2Na_2 Na_2I_2	**Sodium iodide dimer** Structure by ED and ab initio calculations *D. A. Wann, D. W. H. Rankin, P. D. McCaffrey, and R. J. Mawhorter* Manuscript submitted