BMR [3] and BFMRB [2] use Euclidean space time; this introduces a factor  $(-1)^{p'}$  compared to our definition of Feynman diagrams, where p' is the weighted number of propagators and numerators in the corresponding diagram.

The conventions are such that the tadpoles become:

$$T^{BMR} = -\left(\frac{\mu_0^2}{a}\right)^{\epsilon} \frac{a}{\epsilon(1-\epsilon)},$$
$$T^{BFMRB} = -\frac{m^2}{4\epsilon(1-\epsilon)}.$$

For an *l*-loop master integral with p propagators the relations between the integrals become (assuming here  $\mu_0^2 = m^2 = a = 1$ ):

$$M_{l,p'}^{BMR} = \frac{(-1)^{p'}}{\left[e^{\gamma\epsilon}\Gamma(1+\epsilon)\right]^l} M_{l,p'}^{CGR},$$
$$M_{l,p'}^{BFMRB} = \frac{(-1)^{p'}}{\left[4e^{\gamma\epsilon}\Gamma(1+\epsilon)\right]^l} M_{l,p'}^{CGR}.$$

One has also to take into account the various definitions of the series expansions:

$$M_{l,p'}^{BMR} = \left(\frac{\mu_0^2}{a}\right)^{2\epsilon} \sum_k M_k^{BMR}(l, p', \ldots) \epsilon^k,$$
$$M_{l,p'}^{BFMRB} = \sum_k M_k^{BFMRB}(l, p', \ldots) (-2)^k \epsilon^k.$$