Head Shop ‘Legal Highs’ Active Constituents Identification Chart (July - August 2010, ‘714’ – ‘823’)
(The Criminal Justice (Psychoactive Substances) Act 2010 came into force on August 23rd)

- 3,4-Methylenedioxy-4-pyrrolidinobutylphenone (MDPBP)
  Identified using a characterized sample of MDPBP extracted from human urine as a reference standard
  - Caffeine

- 4-Methylmethacathinone (4-MEC)

- 4-Methyl-N-benzylcathinone (Benzedrone)

- Pentylone

Note: We also considered the substances below which would be expected to have similar motes (e.g.,
Hexahydrofuro[3,4-b]furan-2(3H)-one, a homologue of pentylone. In this case the mass spectrum displays a significant difference which may arise by loss of propylene from MDPPB isomer)

- Naphyrone

- AM-694

- 3,4-Methylenedioxy-4-pyrrolidinobutylphenone (MDPBP)
  Note: This product contained MDPBP and no other before the ‘311 ban.

Based on mass spectrometric data we also suspect the presence of:

- Butylone
- 2,3-Dimethylbutylcyclohexylamine (DMBCH)
- 3,4-Methoxy-3-(4-pentylphenyl)butylcyclohexylamine (4P-PBCH)
- Naphyrone

- Dimethcathinone
  Note: Also contains desmethcathinone

- Naphyrone

- AM-694

Based on NMR and MS data we suspect the presence of:
- 3-benzoyl-1-fluorocyclohexylamine (1F-FCB)
- 3-methylmethcathinone (MDPBP)
- AM-694

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