



**UNODC**

United Nations Office on Drugs and Crime

***Making the World Safer from Drugs***



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*making the world  
safer from crime,  
drugs and  
terrorism*





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# UNODC Mandates

## DRUGS

- UN Single Convention on Narcotic Drugs
- UN Convention on Psychotropic Substances
- UN Convention against the Illicit Traffic in Narcotic Drugs and Psychotropic Substances

## CRIME

- Convention against Transnational Organized Crime
- Convention against Corruption

## TERRORISM

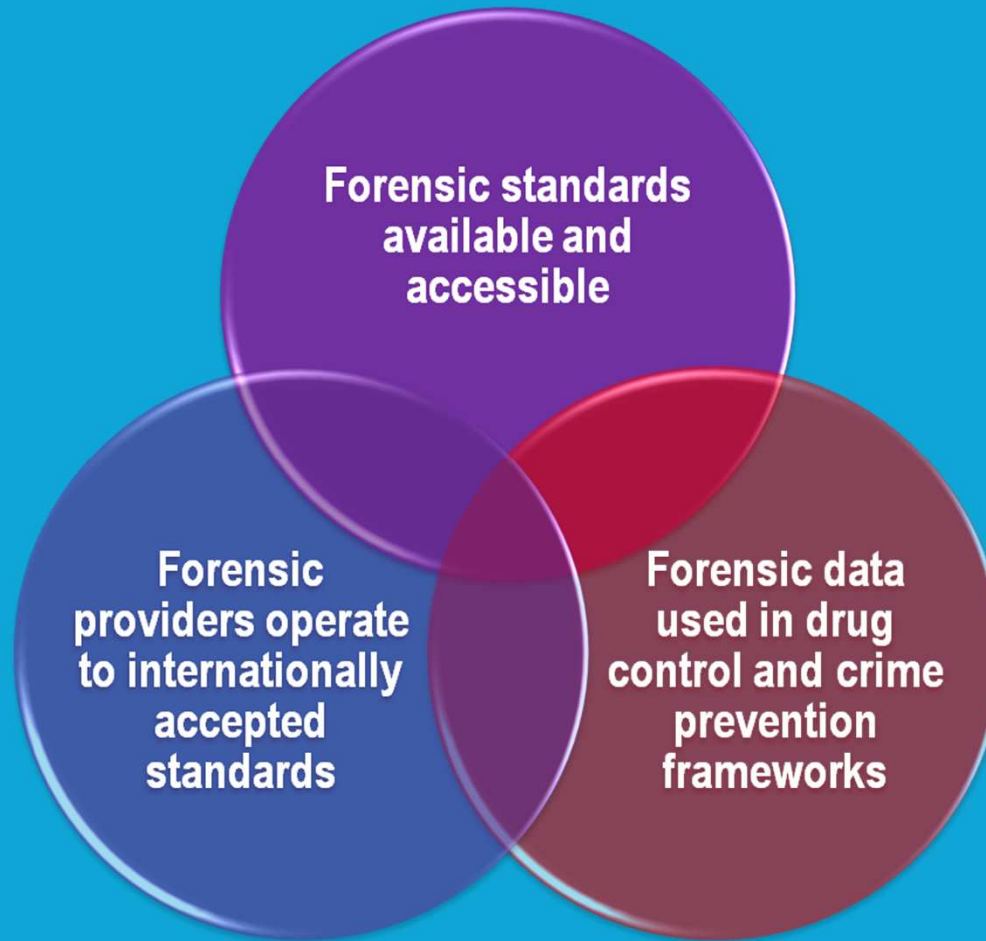
- 15 Counter-terrorism instruments



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# UNODC Forensic Science Programme



*Member States  
have access to, and  
use, quality  
forensic science  
services*



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## *....Forensic tools available and accessible*

### **Biological Specimen**

Guidelines for Testing Drugs Under International Control in Hair, Sweat and Saliva - ST/NAR/30/Rev.2 - [English](#)

Recommended Methods for the Detection and Assay of Barbiturates and Benzodiazepines in Biological Specimens -ST/NAR 28 - [English](#) , Spanish, Russian, Arabic

Recommended Methods for the Detection and Assay of Lysergide (LSD), Phencyclidine (PCP), Psilocybin and Methaqualone in Biological Specimens - ST/NAR/31 - [English](#)

Guidelines for the Forensic analysis of drugs facilitating sexual assault and other criminal acts - ST/NAR/45 - [English](#), [French](#), [Russian](#), [Spanish](#)

Recommended Methods for the Detection and Assay of Heroin, Cannabinoids, Cocaine, Amphetamine, Methamphetamine and Ring-Substituted Amphetamine Derivatives in Biological Specimens - ST/NAR/27 - [English](#)



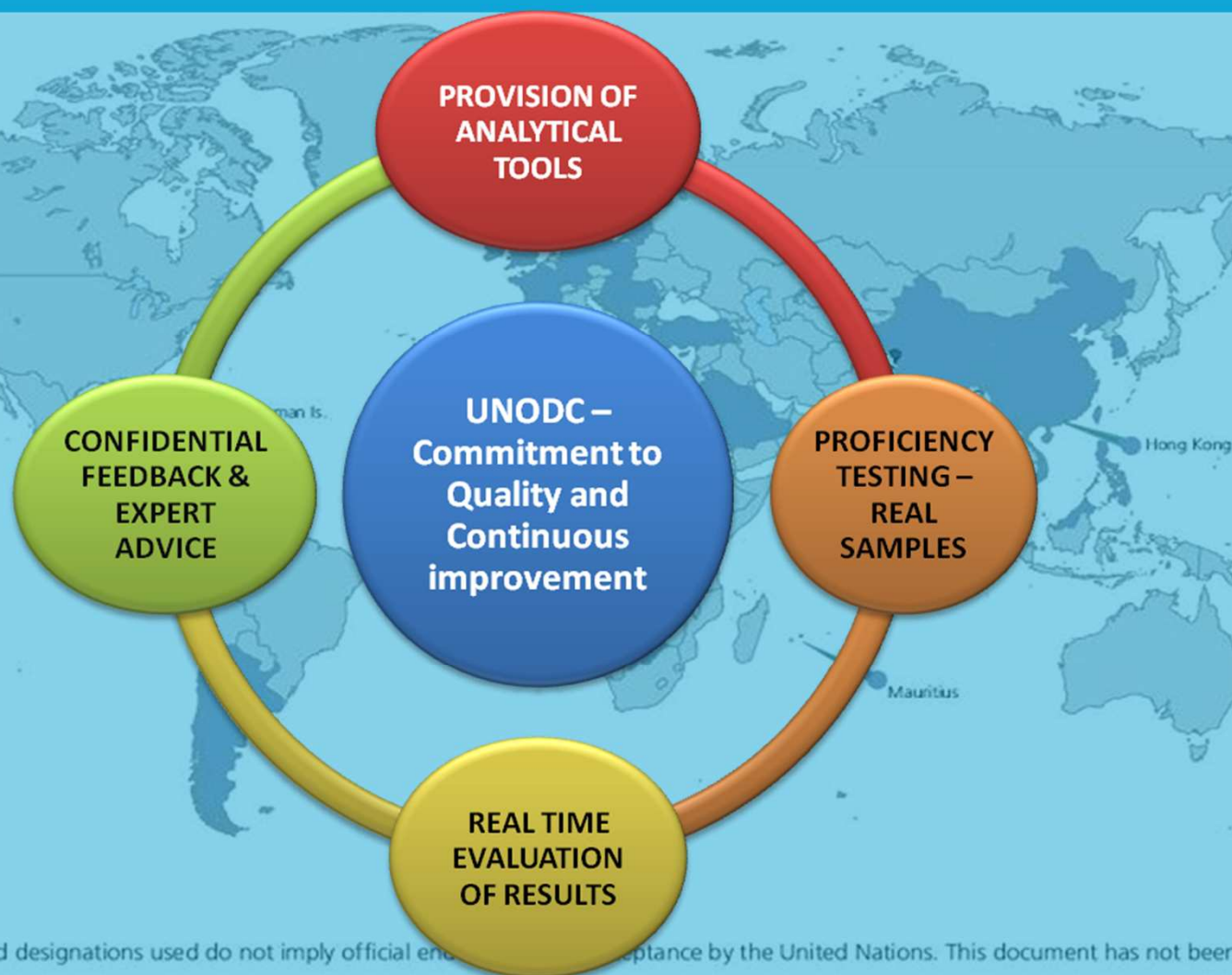
**Guidelines for the  
Forensic analysis of drugs  
facilitating sexual assault  
and other criminal acts**



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## *...Forensic providers & International Standards*



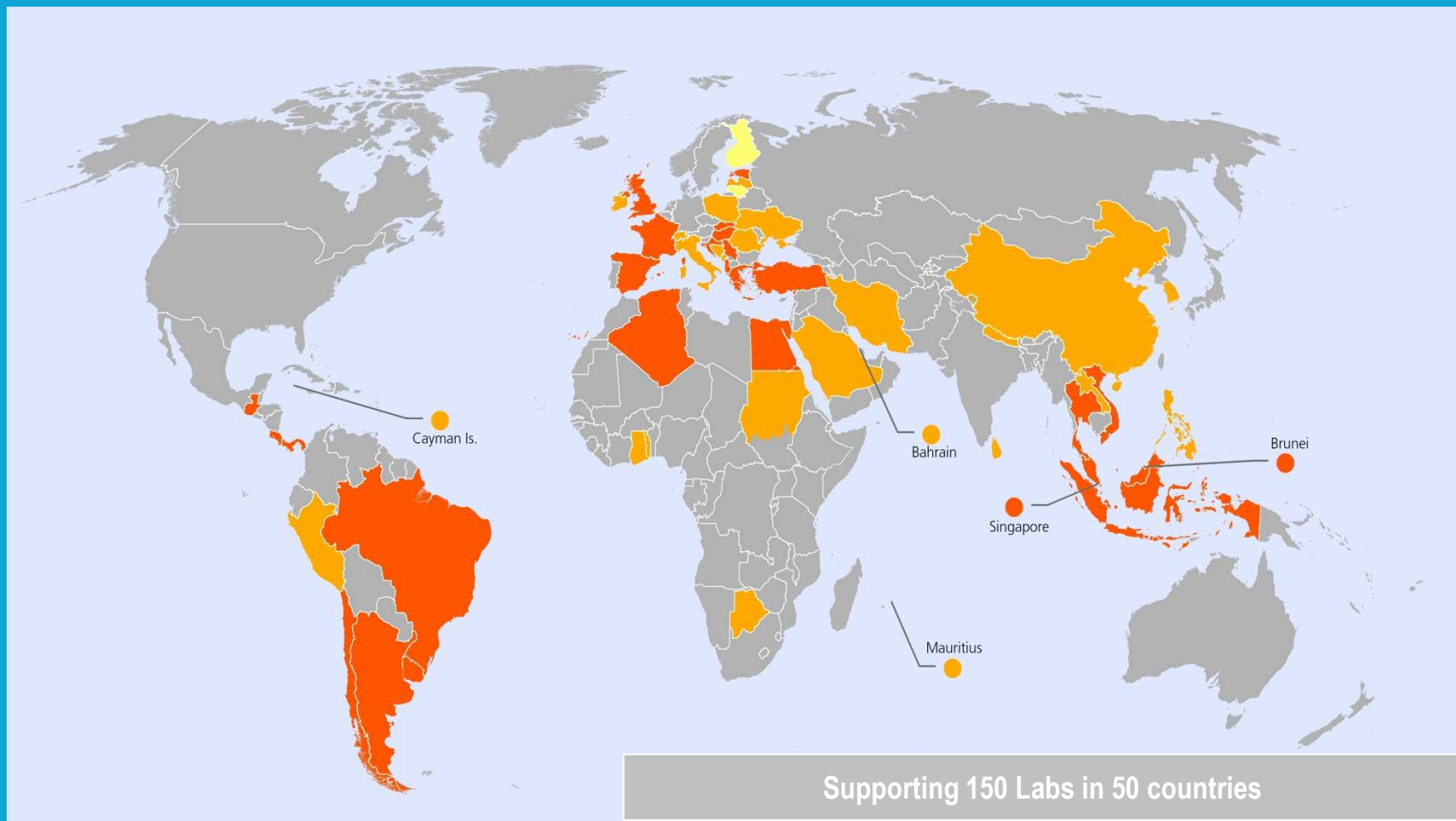
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## *UNODC International Collaborative Exercise*



- Biological specimens and Seized Materials
- Seized Materials
- Biological specimens



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# NPS

## New psychoactive substances

*A Modern Day  
Challenge*



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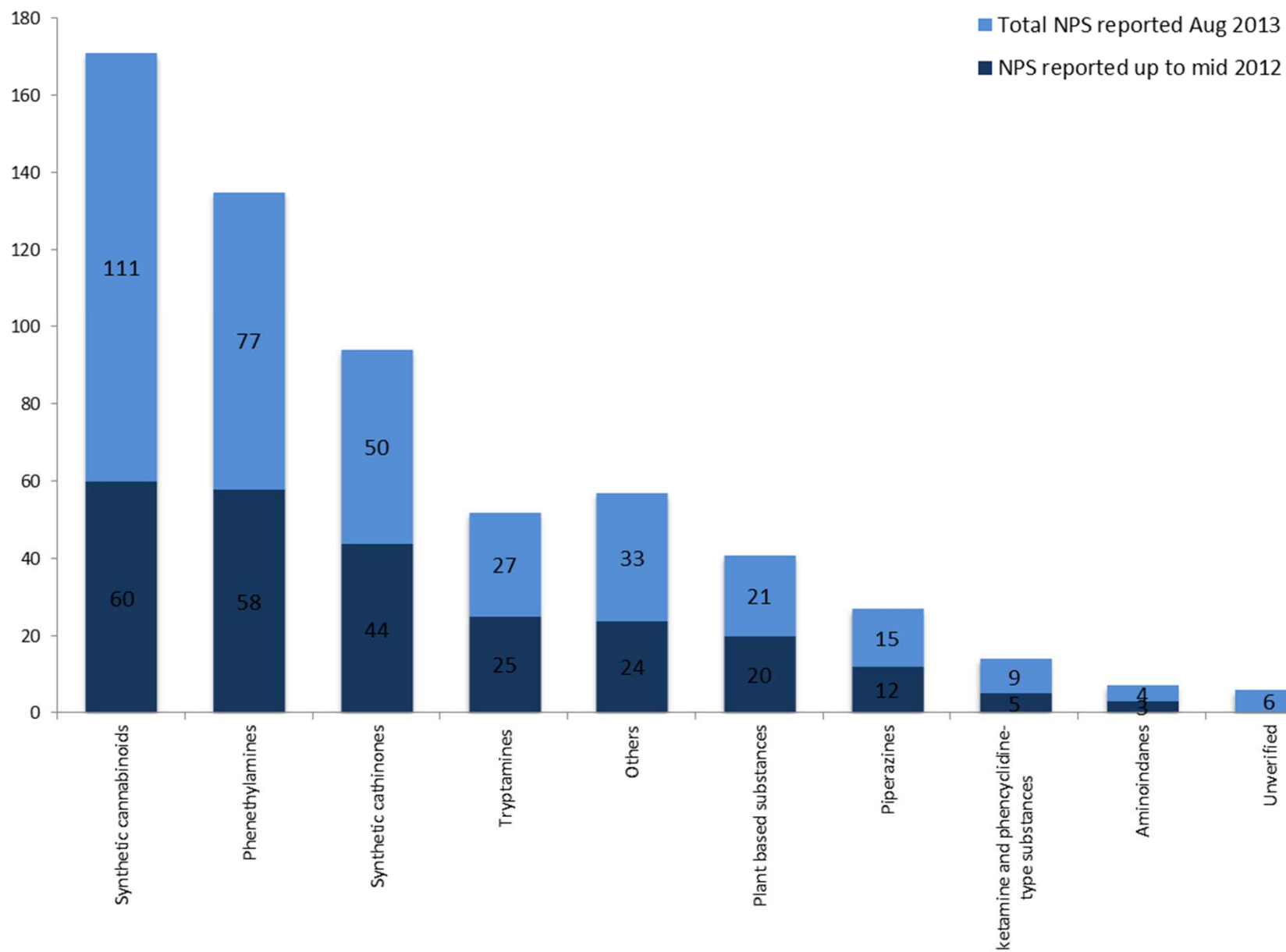
# NPS Emergence (2008-2013)

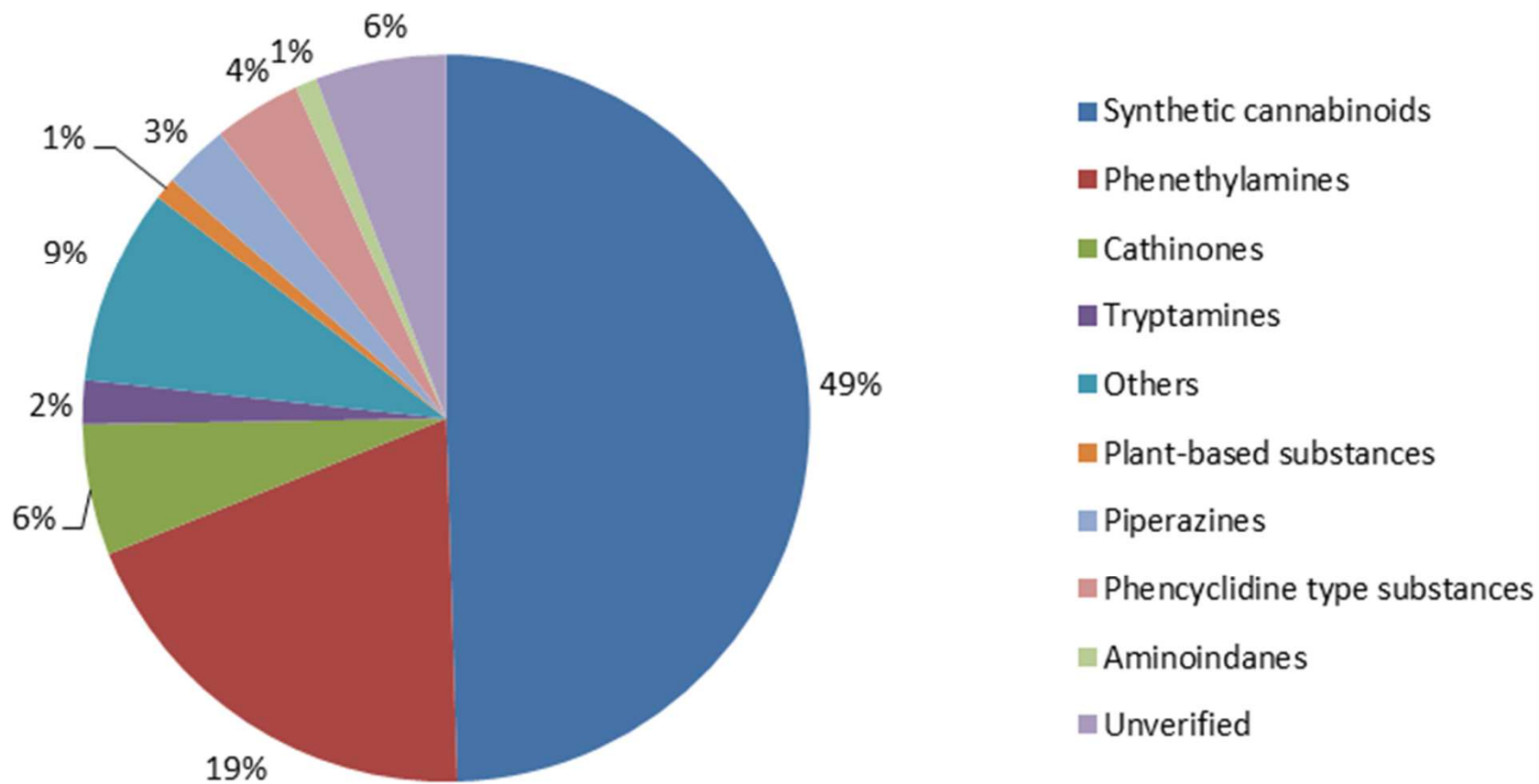




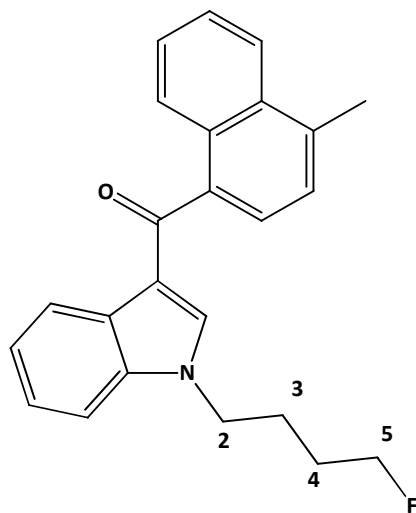
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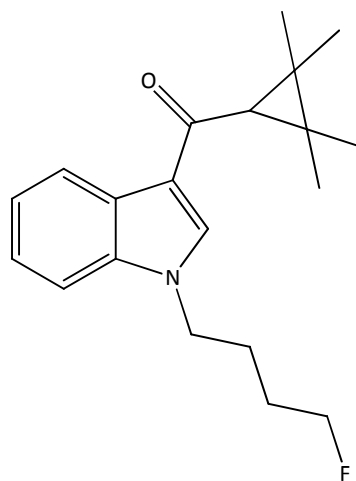




- Most obvious increase is in number of synthetic cannabinoids
- 60 Substances reported from 2009-mid 2012
- 51 new substances reported from 2012-2013
- Example of evolution: MAM-2201 (1<sup>st</sup> reported in 2011)



Modifications to the 5-fluoropentyl alkyl chain, have produced 4-fluoropentyl, 3-fluoropentyl, 2-fluoropentyl, 4-hydroxypentyl derivatives



The same fluoro derivatives have appeared for XLR-11 and including 4-pentenyl modification

Modifications to two existing substances has produced 8 new variants



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# Workplace Drug Testing

*.....workplace drug testing in Europe is performed to a defined standard and in a legally secured way*



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# International Drug Conventions

*.....protecting the “health and welfare of mankind”*



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