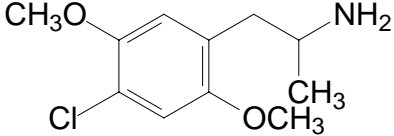
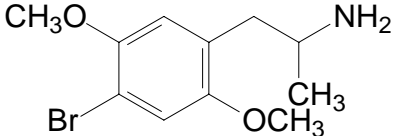
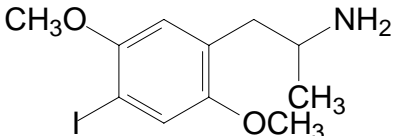


**Analytical profiles of the hallucinogenic amphetamines**  
**DOB, DOC and DOI.**

**The compounds**

A	4-chloro-2,5-dimethoxyamphetamine 2,5-dimethoxy-4-chloroamphetamine C <sub>11</sub> H <sub>16</sub> ClNO <sub>2</sub> mw 229	DOC	
B	4-bromo-2,5-dimethoxyamphetamine 2,5-dimethoxy-4-bromoamphetamine C <sub>11</sub> H <sub>16</sub> BrNO <sub>2</sub> mw 274	DOB	
C	4-iodo-2,5-dimethoxyamphetamine 2,5-dimethoxy-4-iodoamphetamine C <sub>11</sub> H <sub>16</sub> I NO <sub>2</sub> mw 321	DOI	

All three compounds are controlled by the generic legislation of the UK Misuse of Drugs Act in Schedule 1 as Class A.

**DOB**

DOB (PIHKAL #62) is also known as bromo-STP or bromamphetamine. It has both hallucinogenic and sympathomimetic properties and is a much more potent compound than MDMA with a long duration of action. A typical dose would be 1-5 mg. Effects are reported to begin three to four hours after ingestion and may take 24 hours to resolve. It may produce profound disturbances of perception for up to 18 hours. DOB has been seen in the UK in tablets and impregnated in paper doses similar to LSD.

**DOC**

DOC (PIHKAL #64) is a rare compound which has only been seen in Sweden, Finland, USA and the UK. It is a very potent compound with a long duration of action. A typical dose would be 1.5 - 3 mg. Effects are reported to begin slowly and may take 16 - 30 hours to resolve. Various dose forms have been seen; as a powder, a liquid, on sugar lumps and in the UK & Finland on paper doses similar to LSD.

**DOI**

DOI (PIHKAL #67) has hallucinogenic properties and may be confused with LSD by inexperienced users. It is a very potent compound with a long duration of action. A typical dose would be 1.5 - 3 mg. Effects are reported to begin slowly and may take 16 - 30 hours to resolve. The after effects include difficulty getting to sleep and communicating. Depending on the amount taken, these symptoms may persist for days.

## **GC/MS**

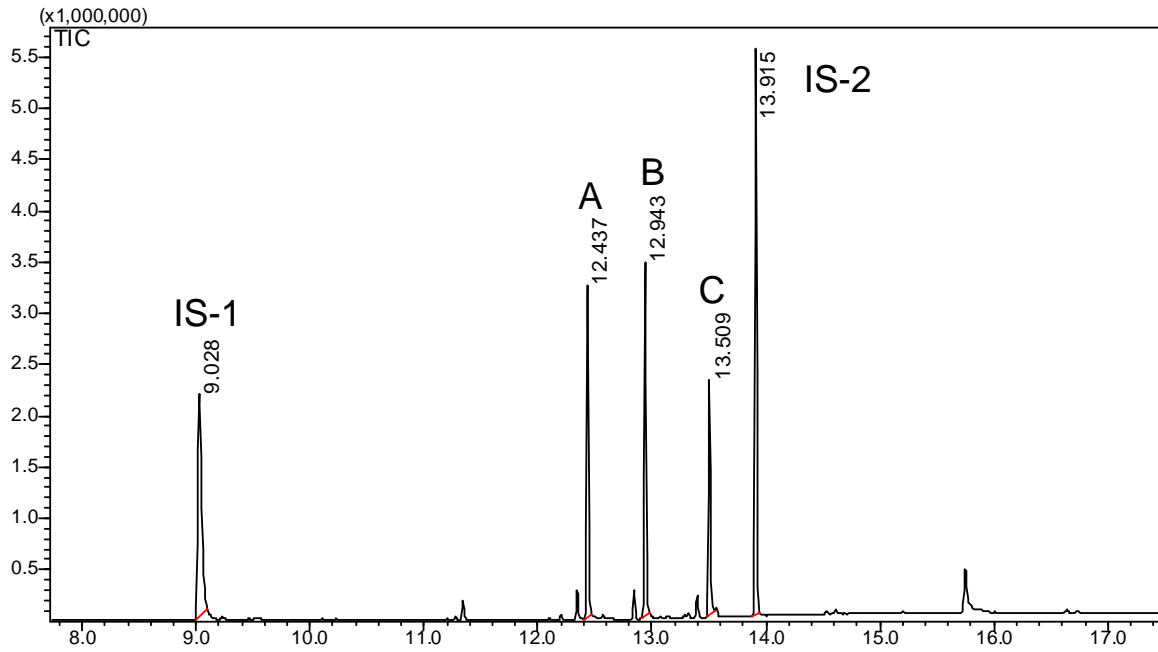
Samples were analysed on a Shimadzu QP2010 gas chromatograph / mass spectrometer with an HP5MS column (30m x 0.25mm, 0.50µm).

Column oven temperature	80°C
Injection temperature	225°C
Injection mode	Splitless
Carrier gas	Helium
Flow rate	1.0 ml/min
Pressure	9.5 psi
Ion source temperature	200°C
Interface temperature	250°C

Column oven temperature programme:

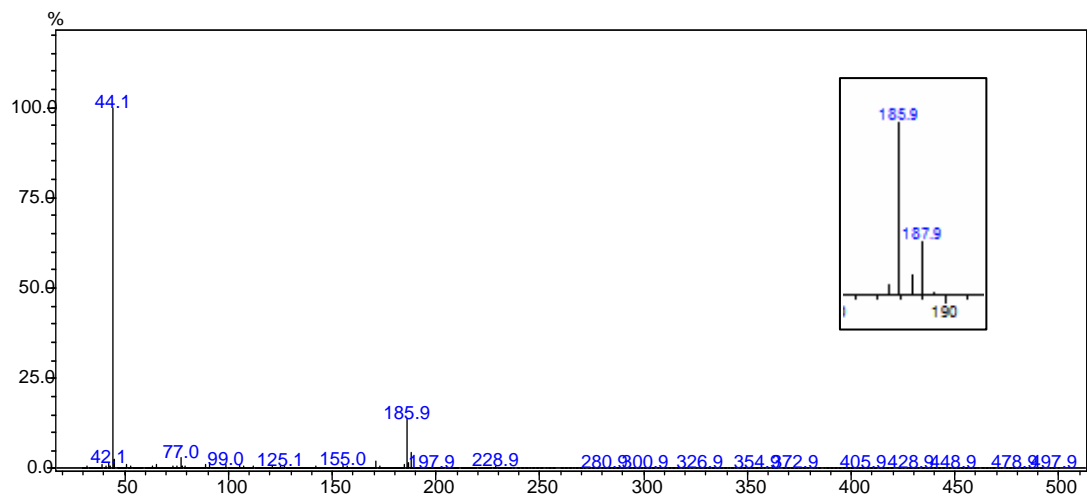
Rate	Final temperature	Hold time
-	80°C	4 minutes
20.00°C/min	280°C	8 minutes
20.00°C/min	290°C	11.5 minutes

## Chromatogram:-

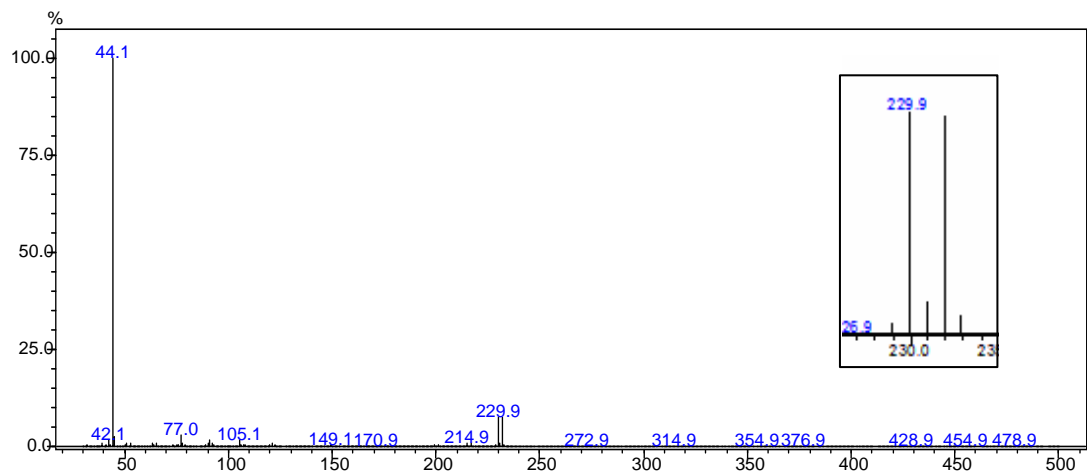


ID	Compound Name	Abbreviations	Retention time (mins.)
IS-1	Quinoline	IS-1	9.028
A	4-Chloro-2,5-dimethoxyamphetamine	DOC	12.437
B	4-Bromo-2,5-dimethoxyamphetamine	DOB	12.943
C	4-Iodo-2,5-dimethoxyamphetamine	DOI	13.509
IS-2	Pyribenzamine (tripelenamine)	IS-2	13.915

**(A) 4-CHLORO-2,5-DIMETHOXYAMPHETAMINE (DOC) 12.437 mins**



**(B) 4-BROMO-2,5-DIMETHOXYAMPHETAMINE (DOB) 12.943 mins**



**(C) 4-IODO-2,5-DIMETHOXYAMPHETAMINE (DOI) 13.509 mins**

