



# Idaho State Police Forensic Services



**BRITANY A. WYLIE**

Forensic Scientist II

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## **Education:**

2008 Bachelors Degree in Chemistry/Biochemistry with concentration in Forensic Science,  
Eastern Washington University

## **Certification:**

April 2015 American Board of Criminalistics, Diplomate in Comprehensive  
Criminalistics

## **Experience:**

2/2013- present: Forensic Scientist II  
Idaho State Police Forensic Services – Coeur d'Alene Laboratory.  
Duties: Urine/Blood Toxicology Analyst, Function Testing, Serial  
Number Restorations and Distance Determination Analyst; Firearms  
Comparisons

2/2011- 2/2013 Forensic Scientist I  
Idaho State Police Forensic Services – Coeur d'Alene Laboratory.  
Duties: Urine Toxicology Analyst

6/2009 – 2/2011 Laboratory and Operations Supervisor  
Global Drug Testing Labs  
Coeur d'Alene, Idaho  
Duties: Urine screening analysis for common drugs of abuse

## **Professional Organizations; Committees; Working Groups:**

2010-2017: Associate Member – Northwest Association of Forensic Scientists (NWAFS)

April 2018- Current: Provisional Member- Association of Firearms and Toolmark  
Examiners (AFTE)

## **Testimony:**

<https://isp.idaho.gov/forensics>

## Britany A. Wylie

I have testified in Idaho district court as an expert witness in Idaho relating to analysis in urine toxicology.

### Continuing Education; Association Meetings; Conferences:

#### 2019

- Machining for Firearms/Toolmark Examiners, Precision Forensic Testing  
Houston, TX
  - 16-hour training course on major machining techniques used in firearms and tool manufacturing.

#### 2018

- Tool Mark Identification, AFTE- Forensic Education & Resource Committee,  
Indianapolis, IN
  - Week long training course covering manufacturing methods and practical exercises for tool mark comparisons.
- ILIMS User Group, Porter Lee Corp, Schaumburg, IL
  - Workshop: Crystal Reports
  - Workshop: Template ini and troubleshooting
  - User Group training for LIMS Administration
- Society of Forensic Toxicology (SOFT) Annual Meeting, Minneapolis, MN
  - Workshop: Weaving Together the Toxicologist and the Drug Recognition Expert (DRE)
  - Workshop: Defending Your Testing Services Through Testimony
  - Multiple scientific presentations and information sessions

#### 2017

- E102 Firearms and Toolmark Introduction I Course, California Criminalistics  
Institute (CCI), Rancho Cordova, CA
  - Week Long course in ammunition history and modern manufacturing, history of firearms, overview of common examinations of firearms related evidence. Basic identification criteria and limitations were covered.
- Digital Photography Crime Scene Training Course, FBI hosted by ISPFs in  
Meridian, ID
  - Week long course on digital camera functionality and operation
  - Crime scene photography techniques and practical exercises
- ILIMS User Group, Porter Lee Corp, Schaumburg, IL
  - Workshop: Crystal Reports
  - Workshop: Template ini and troubleshooting
  - User Group training for LIMS Administration
- Association of Firearm and Tool Mark Examiners (AFTE) Annual Meeting,  
Denver, CO
  - Workshop: Double Casting
  - Workshop: Sub-Class and Sufficient Agreement
  - Workshop: Documentation Methods for Casework
  - Multiple scientific presentations and information sessions

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**2016**

- Society of Forensic Toxicology (SOFT) Annual Meeting, Dallas, TX
  - Workshop: Opioids in DUID Investigations
  - Workshop: From the Sample Tube to the Mass Spectrometer
  - Multiple scientific presentations and information sessions
- Association of Firearm and Tool Mark Examiners (AFTE) Annual Meeting, New Orleans, Louisiana
  - Workshop: Glock Armorers Course
  - Workshop: Ring of Fire
  - Workshop: Sub-Class Characteristics
  - Workshop: Sig Sauer Classic Pistols Armorers Course
  - Workshop: Barrel Manufacturing Techniques
  - Workshop: Serial Number Restoration and Barcode Deciphering
  - Workshop: Hi-Point Familiarization/Armorers Course

**2015**

- SHOT Show, Las Vegas, Nevada
- Familiarization, Maintenance and Basic Troubleshooting of Agilent 1200/6400 Series LC/MS, ISPFS Lab Coeur d'Alene, Idaho
- HPLC 1200/1260 Maintenance and Troubleshooting, Redmond Washington

**2014**

- Supervisor Academy, Northwestern University/Idaho State Police POST, Meridian, Idaho
- SOFT Annual Meeting, Grand Rapids, Michigan
  - Workshop: Getting Excited about Stimulants
  - Workshop: LC for the Forensic Toxicologist: Answers to 101 Questions you were afraid to ask.
  - Multiple scientific sessions
- ASCLD/LAB Assessor Training, ASCLD/LAB and Idaho State Police, Meridian, Idaho

**2013**

- Sig Sauer Classic Pistols Police Armorer's Course, Sig Sauer Academy and Sharp Shooting, Spokane, Washington
- AR15 Armorer's Course, Specialized Armament and Spokane County Sherriff, Spokane, Washington

**2012**

- Court Room Presentation of Evidence, Idaho State Police Forensic Services, Meridian, Idaho
- Remington M/870 Police Armorer's Course, Remington and Kootenai County Sherriff, Coeur d'Alene, Idaho
- LC/MS/MS Instrument On-Site Application Training, Agilent Technologies, Coeur d'Alene, Idaho
- Robert F Borkenstein: The Effects of Drugs on Human Performance and Behavior Course, Presented by Indiana University, Philadelphia, PA

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2011

- Ethics in Forensic Science, West Virginia University Extended Learning Program
- 2011 Spring Continuing Education for Forensic Professional Program, New Orleans, Louisiana
  - Perspectives in Expert Testimony
  - Basic Serial Number Restoration
  - The Recognition, Detection, and Significance of Gunshot Residues
- Handgun Familiarity Course, Center Target Sports, Post Falls, Idaho
- Advanced Roadside Impaired Driving Enforcement, Idaho State Police POST, Coeur d'Alene, Idaho  
*Course certificate not obtained attended for information presented only.*

### Validations Completed:

2012: Participant in the Validation for the Use of LC/MS/MS instrumentation for the detection of benzodiazepines in blood and urine samples (ISPFS Analytical Method 13, previously AM 6.1.1).

2015: Participation in the Validation for the use of the LC/MS/MS instrumentation for the detection of cannabinoid compounds in blood and urine samples (ISPFS Analytical Method 14, previously AM 6.1.2).

2015: Evaluation of Current Benzodiazepine LC/MS/MS data (ISPFS Analytical Method 13, previously AM 6.1.1), and assistance in lowering the limit of reporting for the analytical method.

2016: Major Participant in the Validation for use of the LC/MS/MS instrumentation for analysis of Blood samples. Multiple Analytical Methods were validated during this project using Cayman Chemical ToxBio, to include Multi-Drug Targeted Screening, Cannabinoids Screening, Multi-Drug Confirmatory Methods and Quantitative confirmation of Cannabinoids. (ISPFS Analytical Methods 25, 26, 27 and 28).

Participation included LC/MS/MS method development, validation extractions, data evaluation, validation data summaries, preparation of supporting documentation and Validation summary reports.

2017: Continuation of Multi-Drug Confirmation Methods to incorporate additional compounds to confirmatory scope.