



# Idaho State Police Forensic Services



## **Melissa (Nikka) Bradley**

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### **Education:**

- 2010 University of Utah- Salt Lake City, UT  
Master of Science (MS) Chemistry
- 2007 Northern Arizona University- Flagstaff, AZ  
Bachelor of Science (BS) Chemistry- American Chemical Society Certified
- 2005 Yavapai College- Prescott, AZ  
Associates of Science (AS)

### **Experience:**

- 9/2016- Present Idaho State Police Forensic Services  
Alcohol and Controlled Substance Section  
Forensic Scientist II  
Duties: Controlled Substance analysis, Blood alcohol analysis,  
Breath instrument calibrations, Regional Breath Testing  
Coordinator (RBTC)
- 9/2014- 9/2016 Idaho State Police Forensic Services  
Alcohol and Controlled Substance Section  
Forensic Scientist I  
Duties: Blood alcohol analysis, breath instrument calibrations,  
Regional Breath Testing Coordinator (RBTC), marijuana analysis,  
and controlled substance analysis trainee
- 5/2014- 8/2014 Volt Employment Agency  
Temporary on-assignment  
Analytical Chemist
- 8/2010- 5/2014 ARUP Laboratories  
Biochemical Genetics Department  
Technologist II, Senior

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

**EQUAL OPPORTUNITY EMPLOYER**

Revised 12/7/23

## Melissa (Nikka) Bradley

- 1/2008- 7/2010 University of Utah  
Chemistry Department  
Graduate Research Associate
- 8/2007- 12/2007 University of Utah  
Chemistry Department  
General Chemistry Teaching Assistant
- 7/2005- 7/2006 Northern Arizona University  
Chemistry Department  
Undergraduate Researcher

### Certifications:

- 2021 Board-certified American Board of Forensic Toxicology Diplomate Forensic Alcohol (D-ABFT-FA)
- 2020 Board-certified Drug Analysis Fellow American Board of Criminalistics (F-ABC)  
Note: this was restructured by the organization to (ABC-DA)
- 2019 Board-certified Drug Analysis Diplomate American Board of Criminalistics (D-ABC)
- 2011 Board-certified American Society for Clinical Pathology in Chemistry C(ASCP)<sup>CM</sup>

### Professional Organizations; Committees; Working Groups:

- 2023 IACT Legal Research Committee member  
IACT Abstract Reviewer
- 2022 NWAFS Secretary/Treasurer (2022-present)  
IACT Manufacturing Liaison Committee member (2022-present)  
American Board of Criminalistics (ABC) Recertification Committee Member  
ABC Drug Analysis Certifying Exam Management Group Member (2022-present)
- 2021 NWAFS Membership Committee Member (2021)
- 2020 NWAFS Meeting Committee Member (2020)
- 2019-present Clandestine Laboratory Investigating Chemist (CLIC) Association
- 2019-present Northwest Association of Forensic Scientist (NWAFS)
- 2017-present The International Association for Chemical Testing (IACT)
- 2009 American Chemical Society (ACS) (expired)

### Testimony:

I have testified in the following counties in Idaho: Twin Falls, Ada, Canyon, Bannock, Elmore, Fremont, Boise, Adams, Gooding

### Continuing Education; Association Meetings; Conferences:

- 2023 STRmix Testimony Workshop (NWAFS)  
Expert Witness Testimony Workshop (NWAFS)  
Is Gasoline Present? (NWAFS)  
Microspectrophotometers for Trace Evidence and Interpretation of Spectra (NWAFS)  
Radox Evidence MultiSTAT Drugs of Abuse (DOA) Blood  
Cannabis and Alcohol in Human Performance Investigation Cases (IACT)

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- Expert Testimony Principles and Practice (IACT)  
Oral Fluid Drug Testing in DUI Applications (IACT)  
IACT Conference 2023 Plenary Session  
Black River Performance Management Science of Motivation (Webinar)  
Eliminating Impaired Driving (Webinar)
- 2022 Conflict Management and Mediation (TeamBuilders Consulting)  
NWAFS General Session  
NWAFS Toxicology Workshop  
NWAFS Leadership Workshop  
Lessons Learned from Toxicology Errors in Wrongful Convictions (Webinar)  
Alcohol and Traffic Safety: A Selective Review (Webinar)  
ISO Internal Auditor Training (Seaglass Training)  
DRE and the IACP 2022: Updates & Enhancements (Webinar)  
2022 Current Trends in Seized Drug Analysis (Day 1-5 Webinar)
- 2021 2021 Current Trends in Seized Drug Analysis (Day 1,2, and 5 Webinar)  
ISP Supervisor Academy Supervision of Police Personnel (Northwestern University Center for Public Safety)  
Reliable Quantification of THC in Chocolate and Identifying Fentanyl Analogs and Illicit Drugs (Webinar)  
Recommended Specimens, Scope, Cutoffs, and Strategies for DUI/D Testing & the Impact of Stop Testing Limits (IACT virtual workshop)  
Development and Validation: Plan, Execute, Succeed! (IACT virtual workshop)  
Alcohol Concentration Extrapolation (IACT virtual workshop)  
Better Than Managing: Generating Positive Results Through Effective Leadership (IACT virtual workshop)  
Quality Assurance and Uncertainty of Measurement: Fundamentals and Implementation (IACT virtual workshop)
- 2020 California Association of Criminalists (CAC) Alcohol Impairment Workshop  
Southwestern Association of Forensic Scientist (SWAFS) Virtual Symposium  
Agilent Simple Strategies for GCMS Success (Webinar)  
Agilent: Building Blocks for a Robust GC Method (Webinar)  
Agilent Beginner's guide to GC Column Care and Installation (Webinar)  
Perkin Elmer Beginner's Guide to FTIR (Webinar)  
Establishing Impairment with a Focus on Inhalants (Webinar)  
Marijuana or Hemp: The Sequel (Webinar)  
Marijuana or Hemp (Webinar)
- 2019 POST Instructor Development  
Breath Alcohol Ignition Interlock Device Programs (IACT)  
Alcohol Concentration Extrapolation (IACT)  
IACT Conference 2019 Plenary Sessions  
Draeger Alcotest 9510 User Group meeting (IACT)  
DEA Forensic Drug Chemistry Seminar (Special Testing and Research Laboratory, Sterling, VA)
- 2018 Northwest Association of Forensic Science (NWAFS) General Session

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Latent Print Orientation and Search Clues (NWAFS)  
Customer Service Training

- 2017 Gas Chromatography Mass Spectrometry (GCMS) Maintenance, Troubleshooting, Data analysis  
Operation, Technical Aspects, Calibration & Basic Maintenance for the Guth Models 12V500 (Rev. A) & 2100 Simulators  
Back to Basics: Alcohol Analysis in the Forensic Laboratory (IACT)  
IACT Conference 2017 Plenary Sessions  
Transitioning to the 2017 ANAB-ASCLD/LAB Accreditation Requirements for Calibration Laboratories (IACT)  
Crucial Conversations
- 2016 Operator Trainer and Maintenance Technician Draeger Alcotest 9510  
Northwest Association of Forensic Science (NWAFS) General Session  
Hash Oil Extraction Systems (NWAFS)  
Organic Chemistry Refresher (NWAFS)  
Ethics and Bias in Forensic Science (NWAFS)  
Headspace and GC Maintenance and Troubleshooting Course (MLS Technologies)  
Defending the Breath Test Result (Webinar)
- 2015 Lifeloc FC20 Factory Training  
Dräger Alcotest 9510 Training  
Oral Fluid Analysis in Impaired Driving Investigations (Webinar)  
Gas Chromatography Headspace (GCHS) Instrument Maintenance and Troubleshooting Class (MLS Technologies)  
Courtroom Presentation of Evidence  
Defending a Blood Test Result (Webinar)  
Idaho State Police Blood Alcohol Analysis Training  
Adobe Presenter Class  
The Myth of the DUI Defense: Rising BAC (Webinar)
- 2014 The Robert F. Borkenstein Course on Alcohol & Highway Safety: Testing, Research & Litigation (University of Indiana Bloomington, IN)  
Plenary Session 3: Intersection of Law and Science in Their Pursuits of Justice and Truth (forensicEd online)  
Ethics in Forensic Science (West Virginia University Extended Learning)
- 2009 237<sup>th</sup> Annual American Chemical Society (ACS) Conference  
Salt Lake City, UT  
Presenter (30 min)

### Teaching; Presentations:

- 2023 Building a Breath Alcohol Training Program on a Budget; Charleston, SC; IACT Conference  
2019 Draeger User Group Meeting Coeur d'Alene, ID IACT Conference  
2017 Draeger Alcotest 9510 co-presenter Weiser PD/Washington CSO  
2009 237<sup>th</sup> Annual American Chemical Society Conference  
2007 General Chemistry II Teaching Assistant