284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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# DATA PACKAGE

## SEMI-VOLATILE ORGANICS

**PROJECT NAME : CON EDISON - EAST RIVER SITE 2**

**PARSONS ENGINEERING OF NEW YORK, INC.**

**301 Plainfield Road**

**Suite 350**

**Syracuse, NY - 13212**

**Phone No: 315-451-9560**

**ORDER ID : Q2592**

**ATTENTION : Zohar Lavy**

**Laboratory Certification ID # 20012**

Alliance TECHNICAL GROUP

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# Cover Page

**Order ID :** Q2592

**Project ID :** Con Edison - East River Site 2

**Client :** PARSONS Engineering of New York, Inc.

| Lab Sample Number | Client Sample Number |
|---|---|
| Q2592-01 | WC-SOIL-20250711 |
| Q2592-02 | WC-SOIL-20250711 |

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____ Date: 7/24/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# CASE NARRATIVE

**PARSONS Engineering of New York, Inc.**
**Project Name: Con Edison - East River Site 2**
**Project # N/A**
**Order ID # Q2592**
**Test Name: TCLP BNA**

**A. Number of Samples and Date of Receipt:**
1 Solid sample was received on 07/11/2025.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: TCLP BNA. This data package contains results for TCLP BNA.

**C. Analytical Techniques:**
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. The samples were analyzed on instrument BNA_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of TCLP BNA was based on method 8270E and extraction was done based on method 3510 and TCLP extraction method was 1311.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis.
The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements for all compounds.
The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.

The % RSD is greater than 20% in the Initial Calibration (8270-BF071525.M) for 2,4-Dinitrotoluene,this compound is passing on Linear Regression.

The % RSD is greater than 20% in the Initial Calibration (8270-BM070825.M) for 2,4-Dinitrotoluene,this compound is passing on Linear Regression.

The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

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**E. Additional Comments:**

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

**F. Manual Integration Comments:**
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

---

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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# DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

| | |
|---|---|
| Value | If the result is a value greater than or equal to the detection limit, report the value |
| **U** | Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required. |
| **ND** | Indicates the analyte was analyzed for, but not detected |
| **J** | Indicates an estimated value**.** This flag is used:<br>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)<br>(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others. |
| **B** | Indicates the analyte was found in the blank as well as the sample report as "12 B". |
| **E** | Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis. |
| **D** | This flag identifies all compounds identified in an analysis at a secondary dilution factor. |
| **P** | This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P". |
| **N** | This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used. |
| **A** | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product. |
| **Q** | Indicates the LCS did not meet the control limits requirements |

QA Control # A3040960

## GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2592 MATRIX: TCLP

METHOD: 8270E/3510/1311

| | | NA | NO | YES |
|---|---|---|---|---|
| 1. | Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks) | | | ✓ |
| 2. | GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ) | | | ✓ |
| 3. | GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series. | | | ✓ |
| 4. | GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series. | | | ✓ |
| 5. | GC/MS Calibration Requirements. | | | ✓ |
| | The % RSD is greater than 20% in the Initial Calibration (8270-BF071525.M) for 2,4-Dinitrotoluene,this compound is passing on Linear Regression. | | | |
| | The % RSD is greater than 20% in the Initial Calibration (8270-BM070825.M) for 2,4-Dinitrotoluene,this compound is passing on Linear Regression. | | | |
| | The Continuous Calibration met the requirements. | | | |
| 6. | Blank Contamination - If yes, list compounds and concentrations in each blank: | | ✓ | |
| 7. | Surrogate Recoveries Meet Criteria | | | ✓ |
| | If not met, list those compounds and their recoveries which fall outside the acceptable ranges. | | | |
| 8. | Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria | | | ✓ |
| | If not met, list those compounds and their recoveries which fall outside the acceptable range. | | | |
| | The Blank Spike met requirements for all compounds. | | | |
| 9. | Internal Standard Area/Retention Time Shift Meet Criteria | | | ✓ |
| | Comments: | | | |
| 10. | Extraction Holding Time Met | | | ✓ |
| | If not met, list number of days exceeded for each sample: | | | |

## GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

| | | NA | NO | YES |
|---|---|---|---|---|
| 11. | Analysis Holding Time Met | | | ✓ |
| | If not met, list number of days exceeded for each sample: | | | |

ADDITIONAL COMMENTS:

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

_____ _____

QA REVIEW Date

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## APPENDIX A

## QA REVIEW GENERAL DOCUMENTATION

**Project #:** Q2592

| | Completed |
|---|---|
| **For thorough review, the report must have the following:** | |
| **GENERAL:** | |
| **Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)** | ✓ |
| **Check chain-of-custody for proper relinquish/return of samples** | ✓ |
| **Is the chain of custody signed and complete** | ✓ |
| **Check internal chain-of-custody for proper relinquish/return of samples /sample extracts** | ✓ |
| **Collect information for each project id from server. Were all requirements followed** | ✓ |
| **COVER PAGE:** | |
| **Do numbers of samples correspond to the number of samples in the Chain of Custody on login page** | ✓ |
| **Do lab numbers and client Ids on cover page agree with the Chain of Custody** | ✓ |
| **CHAIN OF CUSTODY:** | |
| **Do requested analyses on Chain of Custody agree with form I results** | ✓ |
| **Do requested analyses on Chain of Custody agree with the log-in page** | ✓ |
| **Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody** | ✓ |
| **Were the samples received within hold time** | ✓ |
| **Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle** | ✓ |
| **ANALYTICAL:** | |
| **Was method requirement followed?** | ✓ |
| **Was client requirement followed?** | ✓ |
| **Does the case narrative summarize all QC failure?** | ✓ |
| **All runlogs and manual integration are reviewed for requirements** | ✓ |
| **All manual calculations and /or hand notations verified** | ✓ |

**QA Review Signature:** SOHIL JODHANI **Date:** 07/24/2025

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q2592 | **OrderDate:** | 7/11/2025 3:05:25 PM |
| **Client:** | PARSONS Engineering of New York, Inc. | **Project:** | Con Edison - East River Site 2 |
| **Contact:** | Zohar Lavy | **Location:** | D51,VOA Ref. #2 Soil |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q2592-01** | **WC-SOIL-20250711** | **SOIL** | | | **07/11/25** | | | **07/11/25** |
| | | | SVOCMS Group1 | 8270E | | 07/15/25 | 07/16/25 | |
| **Q2592-02** | **WC-SOIL-20250711** | **TCLP** | | | **07/11/25** | | | **07/11/25** |
| | | | TCLP BNA | 8270E | | 07/16/25 | 07/16/25 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q2592

**Client:** PARSONS Engineering of New York, Inc.

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID :** | | | | | | | | |
| | | | | 0.000 | | | | |
| | | | **Total Svoc :** | | | **0.00** | | |
| | | | **Total Concentration:** | | | **0.00** | | |

# QC SUMMARY

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# Surrogate Summary

**SW-846**

**SDG No.:** Q2592

**Client:** PARSONS Engineering of New York, Inc.

**Analytical Method:** 8270E

| Lab Sample ID | Client ID | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | High |
|---|---|---|---|---|---|---|---|---|
| PB168847TB | PB168847TB | 2-Fluorophenol | 150 | 115 | 77 | | 23 | 138 |
| | | Phenol-d6 | 150 | 114 | 76 | | 10 | 134 |
| | | Nitrobenzene-d5 | 100 | 85.0 | 85 | | 67 | 132 |
| | | 2-Fluorobiphenyl | 100 | 73.8 | 74 | | 52 | 132 |
| | | 2,4,6-Tribromophenol | 150 | 134 | 90 | | 44 | 137 |
| | | Terphenyl-d14 | 100 | 84.3 | 84 | | 42 | 152 |
| PB168885BL | PB168885BL | 2-Fluorophenol | 150 | 133 | 89 | | 23 | 138 |
| | | Phenol-d6 | 150 | 129 | 86 | | 10 | 134 |
| | | Nitrobenzene-d5 | 100 | 82.7 | 83 | | 67 | 132 |
| | | 2-Fluorobiphenyl | 100 | 80.1 | 80 | | 52 | 132 |
| | | 2,4,6-Tribromophenol | 150 | 157 | 105 | | 44 | 137 |
| | | Terphenyl-d14 | 100 | 86.6 | 87 | | 42 | 152 |
| PB168885BS | PB168885BS | 2-Fluorophenol | 150 | 129 | 86 | | 23 | 138 |
| | | Phenol-d6 | 150 | 130 | 87 | | 10 | 134 |
| | | Nitrobenzene-d5 | 100 | 76.8 | 77 | | 67 | 132 |
| | | 2-Fluorobiphenyl | 100 | 73.5 | 74 | | 52 | 132 |
| | | 2,4,6-Tribromophenol | 150 | 150 | 100 | | 44 | 137 |
| | | Terphenyl-d14 | 100 | 76.8 | 77 | | 42 | 152 |
| Q2592-02 | WC-SOIL-20250711 | 2-Fluorophenol | 150 | 103 | 68 | | 23 | 138 |
| | | Phenol-d6 | 150 | 96.1 | 64 | | 10 | 134 |
| | | Nitrobenzene-d5 | 100 | 81.1 | 81 | | 67 | 132 |
| | | 2-Fluorobiphenyl | 100 | 69.8 | 70 | | 52 | 132 |
| | | 2,4,6-Tribromophenol | 150 | 136 | 91 | | 44 | 137 |
| | | Terphenyl-d14 | 100 | 74.4 | 74 | | 42 | 152 |
| Q2592-02MS | WC-SOIL-20250711MS | 2-Fluorophenol | 150 | 99.9 | 67 | | 23 | 138 |
| | | Phenol-d6 | 150 | 95.0 | 63 | | 10 | 134 |
| | | Nitrobenzene-d5 | 100 | 80.6 | 81 | | 67 | 132 |
| | | 2-Fluorobiphenyl | 100 | 68.4 | 68 | | 52 | 132 |
| | | 2,4,6-Tribromophenol | 150 | 126 | 84 | | 44 | 137 |
| | | Terphenyl-d14 | 100 | 69.6 | 70 | | 42 | 152 |
| Q2592-02MSD | WC-SOIL-20250711MSD | 2-Fluorophenol | 150 | 100 | 67 | | 23 | 138 |
| | | Phenol-d6 | 150 | 96.3 | 64 | | 10 | 134 |
| | | Nitrobenzene-d5 | 100 | 82.6 | 83 | | 67 | 132 |
| | | 2-Fluorobiphenyl | 100 | 68.6 | 69 | | 52 | 132 |
| | | 2,4,6-Tribromophenol | 150 | 127 | 85 | | 44 | 137 |
| | | Terphenyl-d14 | 100 | 68.7 | 69 | | 42 | 152 |

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## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q2592 **Analytical Method:** SW8270E

**Client:** PARSONS Engineering of New York, Inc. **DataFile:** BF143122.D

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: Q2592-02MS** | | **Client Sample ID: WC-SOIL-20250711MS** | | | | | | | | | |
| Pyridine | 500 | 0 | 290 | ug/L | 58 | | | | 10 | 109 | |
| 1,4-Dichlorobenzene | 500 | 0 | 360 | ug/L | 72 | | | | 55 | 125 | |
| 2-Methylphenol | 500 | 0 | 390 | ug/L | 78 | | | | 60 | 131 | |
| 3+4-Methylphenols | 500 | 0 | 390 | ug/L | 78 | | | | 54 | 136 | |
| Hexachloroethane | 500 | 0 | 370 | ug/L | 74 | | | | 19 | 146 | |
| Nitrobenzene | 500 | 0 | 430 | ug/L | 86 | | | | 62 | 112 | |
| Hexachlorobutadiene | 500 | 0 | 390 | ug/L | 78 | | | | 52 | 125 | |
| 2,4,6-Trichlorophenol | 500 | 0 | 440 | ug/L | 88 | | | | 78 | 112 | |
| 2,4,5-Trichlorophenol | 500 | 0 | 430 | ug/L | 86 | | | | 71 | 111 | |
| 2,4-Dinitrotoluene | 500 | 0 | 460 | ug/L | 92 | | | | 74 | 137 | |
| Hexachlorobenzene | 500 | 0 | 430 | ug/L | 86 | | | | 72 | 115 | |
| Pentachlorophenol | 1000 | 0 | 750 | ug/L | 75 | | | | 52 | 162 | |

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## Matrix Spike/Matrix Spike Duplicate Summary

### SW-846

**SDG No.:** Q2592 **Analytical Method:** SW8270E

**Client:** PARSONS Engineering of New York, Inc. **DataFile:** BF143123.D

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: Q2592-02MSD** | | **Client Sample ID: WC-SOIL-20250711MSD** | | | | | | | | | |
| Pyridine | 500 | 0 | 290 | ug/L | 58 | 0 | | | 10 | 109 | 20 |
| 1,4-Dichlorobenzene | 500 | 0 | 360 | ug/L | 72 | 0 | | | 55 | 125 | 20 |
| 2-Methylphenol | 500 | 0 | 400 | ug/L | 80 | 3 | | | 60 | 131 | 20 |
| 3+4-Methylphenols | 500 | 0 | 400 | ug/L | 80 | 3 | | | 54 | 136 | 20 |
| Hexachloroethane | 500 | 0 | 380 | ug/L | 76 | 3 | | | 19 | 146 | 20 |
| Nitrobenzene | 500 | 0 | 430 | ug/L | 86 | 0 | | | 62 | 112 | 20 |
| Hexachlorobutadiene | 500 | 0 | 390 | ug/L | 78 | 0 | | | 52 | 125 | 20 |
| 2,4,6-Trichlorophenol | 500 | 0 | 440 | ug/L | 88 | 0 | | | 78 | 112 | 20 |
| 2,4,5-Trichlorophenol | 500 | 0 | 430 | ug/L | 86 | 0 | | | 71 | 111 | 20 |
| 2,4-Dinitrotoluene | 500 | 0 | 470 | ug/L | 94 | 2 | | | 74 | 137 | 20 |
| Hexachlorobenzene | 500 | 0 | 440 | ug/L | 88 | 2 | | | 72 | 115 | 20 |
| Pentachlorophenol | 1000 | 0 | 710 | ug/L | 71 | 5 | | | 52 | 162 | 20 |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q2592 **Analytical Method:** 8270E

**Client:** PARSONS Engineering of New York, Inc. **DataFile:** BM050476.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB168885BS | Pyridine | 50 | 39.1 | ug/L | 78 | | | | 29 | 97 | |
| | 1,4-Dichlorobenzene | 50 | 43.0 | ug/L | 86 | | | | 76 | 103 | |
| | 2-Methylphenol | 50 | 47.4 | ug/L | 95 | | | | 69 | 109 | |
| | 3+4-Methylphenols | 50 | 47.8 | ug/L | 96 | | | | 67 | 106 | |
| | Hexachloroethane | 50 | 43.1 | ug/L | 86 | | | | 76 | 118 | |
| | Nitrobenzene | 50 | 44.3 | ug/L | 89 | | | | 58 | 106 | |
| | Hexachlorobutadiene | 50 | 44.8 | ug/L | 90 | | | | 69 | 101 | |
| | 2,4,6-Trichlorophenol | 50 | 50.9 | ug/L | 102 | | | | 61 | 110 | |
| | 2,4,5-Trichlorophenol | 50 | 51.7 | ug/L | 103 | | | | 70 | 106 | |
| | 2,4-Dinitrotoluene | 50 | 49.2 | ug/L | 98 | | | | 60 | 115 | |
| | Hexachlorobenzene | 50 | 47.8 | ug/L | 96 | | | | 73 | 106 | |
| | Pentachlorophenol | 100 | 110 | ug/L | 110 | | | | 47 | 114 | |

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB168885BL

Lab Name: Alliance | Contract: PARS02

Lab Code: ACE | SDG NO.: Q2592

Lab File ID: BM050475.D | Lab Sample ID: PB168885BL

Instrument ID: BNA_M | Date Extracted: 07/16/2025

Matrix: (soil/water) water | Date Analyzed: 07/17/2025

Level: (low/med) LOW | Time Analyzed: 14:57

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| PB168885BS | PB168885BS | BM050476.D | 07/17/2025 |
| PB168847TB | PB168847TB | BF143120.D | 07/16/2025 |
| WC-SOIL-20250711 | Q2592-02 | BF143121.D | 07/16/2025 |
| WC-SOIL-20250711MS | Q2592-02MS | BF143122.D | 07/16/2025 |
| WC-SOIL-20250711MSD | Q2592-02MSD | BF143123.D | 07/16/2025 |

COMMENTS:

Form IV SV

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: PARS02

Lab Code: ACE SDG NO.: Q2592

Lab File ID: BF143092.D DFTPP Injection Date: 07/15/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:35

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 68 | Less than 2.0% of mass 69 | 0.6 ( 2 ) 1 |
| 69 | Mass 69 relative abundance | 100.0 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.5 ) 1 |
| 197 | Less than 2.0% of mass 198 | 0.3 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 6.5 |
| 365 | Greater than 1% of mass 198 | 4.0 |
| 441 | Present, but less than mass 443 | 77.7 |
| 442 | Greater than 50% of mass 198 | 100 |
| 443 | 15.0 - 24.0% of mass 442 | 19.4 (19.4) 2 |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDICC2.5 | SSTDICC2.5 | BF143093.D | 07/15/2025 | 13:04 |
| SSTDICC005 | SSTDICC005 | BF143094.D | 07/15/2025 | 13:35 |
| SSTDICC010 | SSTDICC010 | BF143095.D | 07/15/2025 | 14:05 |
| SSTDICC020 | SSTDICC020 | BF143096.D | 07/15/2025 | 14:36 |
| SSTDICCC040 | SSTDICCC040 | BF143097.D | 07/15/2025 | 15:05 |
| SSTDICC050 | SSTDICC050 | BF143098.D | 07/15/2025 | 15:35 |
| SSTDICC060 | SSTDICC060 | BF143099.D | 07/15/2025 | 16:05 |
| SSTDICC080 | SSTDICC080 | BF143100.D | 07/15/2025 | 16:35 |

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: PARS02

Lab Code: ACE SDG NO.: Q2592

Lab File ID: BF143116.D DFTPP Injection Date: 07/16/2025

Instrument ID: BNA_F DFTPP Injection Time: 19:09

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 68 | Less than 2.0% of mass 69 | 0.6 ( 1.9 ) 1 |
| 69 | Mass 69 relative abundance | 100.0 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.6 ) 1 |
| 197 | Less than 2.0% of mass 198 | 0.7 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 6.8 |
| 365 | Greater than 1% of mass 198 | 3.6 |
| 441 | Present, but less than mass 443 | 79.1 |
| 442 | Greater than 50% of mass 198 | 100 |
| 443 | 15.0 - 24.0% of mass 442 | 19.1 (19.1) 2 |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDCCC040 | SSTDCCC040 | BF143117.D | 07/16/2025 | 19:39 |
| PB168847TB | PB168847TB | BF143120.D | 07/16/2025 | 21:09 |
| WC-SOIL-20250711 | Q2592-02 | BF143121.D | 07/16/2025 | 21:39 |
| WC-SOIL-20250711MS | Q2592-02MS | BF143122.D | 07/16/2025 | 22:09 |
| WC-SOIL-20250711MSD | Q2592-02MSD | BF143123.D | 07/16/2025 | 22:38 |

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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: PARS02

Lab Code: ACE SDG NO.: Q2592

Lab File ID: BM050376.D DFTPP Injection Date: 07/08/2025

Instrument ID: BNA_M DFTPP Injection Time: 11:59

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 68 | Less than 2.0% of mass 69 | 0.5 ( 1.5 ) 1 |
| 69 | Mass 69 relative abundance | 100.0 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.5 ) 1 |
| 197 | Less than 2.0% of mass 198 | 0.3 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 6.7 |
| 365 | Greater than 1% of mass 198 | 3.4 |
| 441 | Present, but less than mass 443 | 81.4 |
| 442 | Greater than 50% of mass 198 | 100.0 |
| 443 | 15.0 - 24.0% of mass 442 | 12.9 (19.4) 2 |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDICC2.5 | SSTDICC2.5 | BM050377.D | 07/08/2025 | 12:39 |
| SSTDICC005 | SSTDICC005 | BM050378.D | 07/08/2025 | 13:19 |
| SSTDICC010 | SSTDICC010 | BM050379.D | 07/08/2025 | 14:00 |
| SSTDICC020 | SSTDICC020 | BM050380.D | 07/08/2025 | 14:40 |
| SSTDICCC040 | SSTDICCC040 | BM050381.D | 07/08/2025 | 15:20 |
| SSTDICC050 | SSTDICC050 | BM050382.D | 07/08/2025 | 16:01 |
| SSTDICC060 | SSTDICC060 | BM050383.D | 07/08/2025 | 16:41 |
| SSTDICC080 | SSTDICC080 | BM050384.D | 07/08/2025 | 17:22 |

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: PARS02

Lab Code: ACE SDG NO.: Q2592

Lab File ID: BM050473.D DFTPP Injection Date: 07/17/2025

Instrument ID: BNA_M DFTPP Injection Time: 13:02

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 68 | Less than 2.0% of mass 69 | 0.4 ( 1.5 ) 1 |
| 69 | Mass 69 relative abundance | 100.0 |
| 70 | Less than 2.0% of mass 69 | 0.1 ( 0.5 ) 1 |
| 197 | Less than 2.0% of mass 198 | 0.2 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 6.8 |
| 365 | Greater than 1% of mass 198 | 3.6 |
| 441 | Present, but less than mass 443 | 80.2 |
| 442 | Greater than 50% of mass 198 | 100.0 |
| 443 | 15.0 - 24.0% of mass 442 | 16.6 (19.4) 2 |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDCCC040 | SSTDCCC040 | BM050474.D | 07/17/2025 | 13:42 |
| PB168885BL | PB168885BL | BM050475.D | 07/17/2025 | 14:57 |
| PB168885BS | PB168885BS | BM050476.D | 07/17/2025 | 15:57 |

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2592

Client ID : SSTDCCC040 Date Analyzed: 07/16/2025

Lab File ID: BF143117.D Time Analyzed: 19:39

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

| | | IS1 (DCB) AREA # | RT # | IS2 (NPT) AREA # | RT # | IS3 (ANT) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 135149 | 6.969 | 510164 | 8.25 | 254065 | 10.00 |
| | UPPER LIMIT | 270298 | 7.469 | 1020330 | 8.751 | 508130 | 10.504 |
| | LOWER LIMIT | 67574.5 | 6.469 | 255082 | 7.751 | 127033 | 9.504 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | WC-SOIL-20250711 | 137278 | 6.97 | 517786 | 8.25 | 265739 | 10.00 |
| 02 | WC-SOIL-20250711MS | 147018 | 6.97 | 556657 | 8.25 | 279575 | 10.00 |
| 03 | WC-SOIL-20250711MSD | 155046 | 6.97 | 589623 | 8.25 | 296871 | 10.00 |
| 04 | PB168847TB | 135526 | 6.96 | 521315 | 8.25 | 267383 | 10.00 |

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2592

Client ID: SSTDCCC040 Date Analyzed: 07/16/2025

Lab File ID: BF143117.D Time Analyzed: 19:39

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

| | | IS4 (PHN) AREA # | RT # | IS5 (CRY) AREA # | RT # | IS6 (PRY) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 397173 | 11.492 | 210714 | 14.127 | 255524 | 15.633 |
| | UPPER LIMIT | 794346 | 11.992 | 421428 | 14.627 | 511048 | 16.133 |
| | LOWER LIMIT | 198587 | 10.992 | 105357 | 13.627 | 127762 | 15.133 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | WC-SOIL-20250711 | 451811 | 11.49 | 249471 | 14.13 | 227071 | 15.63 |
| 02 | WC-SOIL-20250711MS | 442443 | 11.49 | 237238 | 14.13 | 283551 | 15.63 |
| 03 | WC-SOIL-20250711MSD | 461806 | 11.49 | 242870 | 14.13 | 288284 | 15.63 |
| 04 | PB168847TB | 451109 | 11.49 | 235930 | 14.13 | 210500 | 15.63 |

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2592

Client ID : SSTDCCC040 Date Analyzed: 07/17/2025

Lab File ID: BM050474.D Time Analyzed: 13:42

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

| | | IS1 (DCB) AREA # | RT # | IS2 (NPT) AREA # | RT # | IS3 (ANT) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 523700 | 7.851 | 1980060 | 10.64 | 1283320 | 14.47 |
| | UPPER LIMIT | 1047400 | 8.351 | 3960120 | 11.139 | 2566640 | 14.974 |
| | LOWER LIMIT | 261850 | 7.351 | 990030 | 10.139 | 641660 | 13.974 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB168885BL | 484190 | 7.85 | 1695350 | 10.64 | 1085070 | 14.47 |
| 02 | PB168885BS | 516385 | 7.85 | 1948200 | 10.64 | 1313340 | 14.48 |

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

## SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2592

Client ID: SSTDCCC040 Date Analyzed: 07/17/2025

Lab File ID: BM050474.D Time Analyzed: 13:42

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

| | | IS4 (PHN) AREA # | RT # | IS5 (CRY) AREA # | RT # | IS6 (PRY) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 2540660 | 17.209 | 2672210 | 21.433 | 2895080 | 24.456 |
| | UPPER LIMIT | 5081320 | 17.709 | 5344420 | 21.933 | 5790160 | 24.956 |
| | LOWER LIMIT | 1270330 | 16.709 | 1336110 | 20.933 | 1447540 | 23.956 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB168885BL | 2246800 | 17.20 | 2374390 | 21.43 | 2623120 | 24.45 |
| 02 | PB168885BS | 2583210 | 17.21 | 2737580 | 21.43 | 2912640 | 24.46 |

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

# SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | PARSONS Engineering of New York, Inc. | Date Collected: | 07/16/25 |
| Project: | Con Edison - East River Site 2 | Date Received: | 07/16/25 |
| Client Sample ID: | PB168847TB | SDG No.: | Q2592 |
| Lab Sample ID: | PB168847TB | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF143120.D | 1 | 07/16/25 10:14 | 07/16/25 21:09 | PB168885 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 110-86-1 | Pyridine | 50.0 | U | 12.8 | 50.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 50.0 | U | 5.30 | 50.0 | ug/L |
| 95-48-7 | 2-Methylphenol | 50.0 | U | 11.2 | 50.0 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 100 | U | 11.0 | 100 | ug/L |
| 67-72-1 | Hexachloroethane | 50.0 | U | 6.50 | 50.0 | ug/L |
| 98-95-3 | Nitrobenzene | 50.0 | U | 7.60 | 50.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 50.0 | U | 5.40 | 50.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 50.0 | U | 5.10 | 50.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 50.0 | U | 6.20 | 50.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 50.0 | U | 12.2 | 50.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | 50.0 | U | 5.20 | 50.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 100 | U | 15.8 | 100 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 115 | | 23 - 138 | 77% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 114 | | 10 - 134 | 76% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 85.0 | | 67 - 132 | 85% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 73.8 | | 52 - 132 | 74% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 134 | | 44 - 137 | 90% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 84.3 | | 42 - 152 | 84% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 136000 | 6.963 | | | |
| 1146-65-2 | Naphthalene-d8 | 521000 | 8.245 | | | |
| 15067-26-2 | Acenaphthene-d10 | 267000 | 10.004 | | | |
| 1517-22-2 | Phenanthrene-d10 | 451000 | 11.486 | | | |
| 1719-03-5 | Chrysene-d12 | 236000 | 14.127 | | | |
| 1520-96-3 | Perylene-d12 | 211000 | 15.633 | | | |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | PARSONS Engineering of New York, Inc. | | | Date Collected: | 07/16/25 |
| Project: | Con Edison - East River Site 2 | | | Date Received: | 07/16/25 |
| Client Sample ID: | PB168847TB | | | SDG No.: | Q2592 |
| Lab Sample ID: | PB168847TB | | | Matrix: | TCLP |
| Analytical Method: | 8270E | | | % Solid: | 0 |
| Sample Wt/Vol: | 100 | Units: | mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | TCLP BNA |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF143120.D | 1 | 07/16/25 10:14 | 07/16/25 21:09 | PB168885 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143120.D
Acq On : 16 Jul 2025 21:09
Operator : RC/JU
Sample : PB168847TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB168847TB

Quant Time: Jul 17 03:45:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

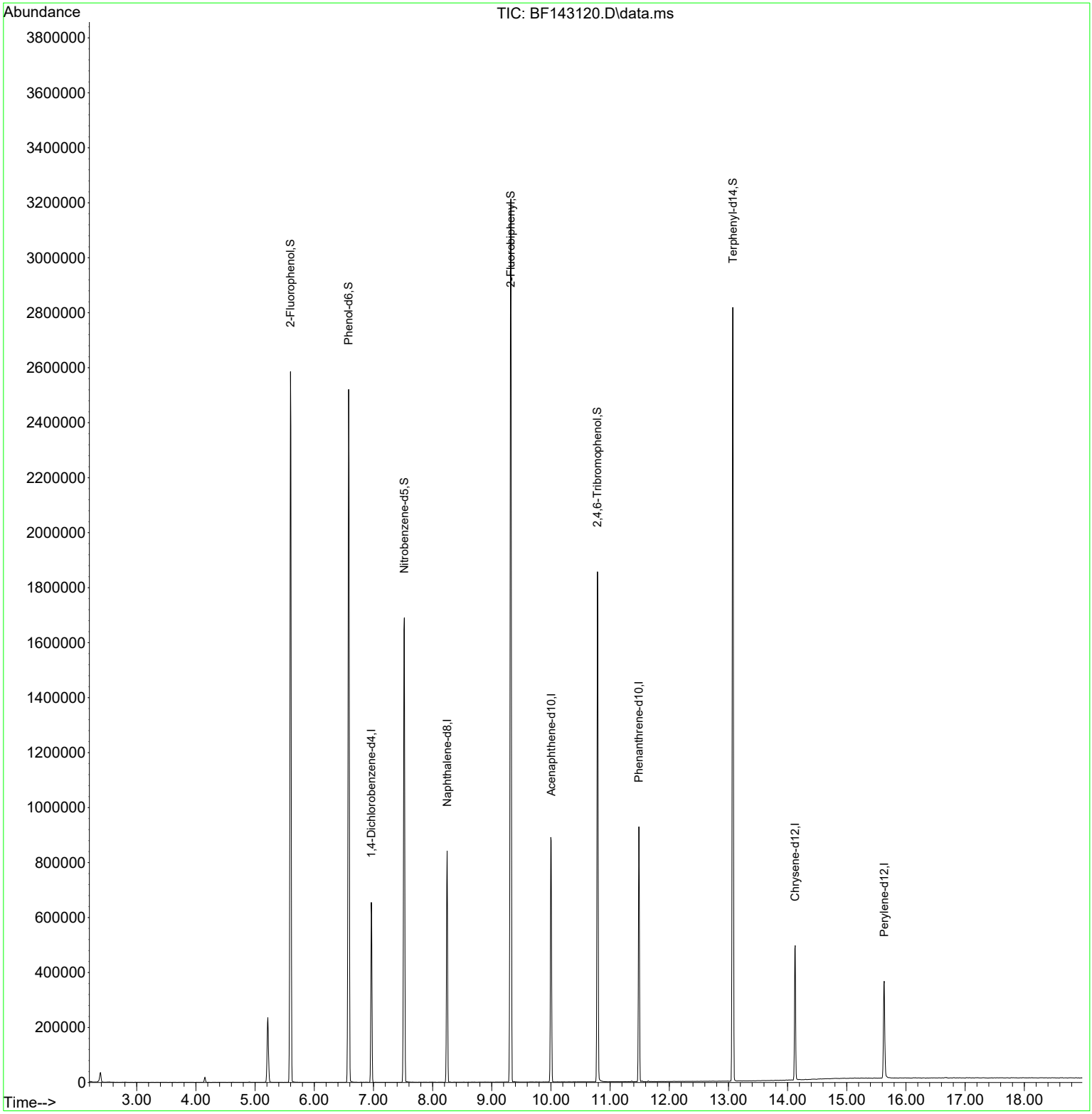
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.963 | 152 | 135526 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.245 | 136 | 521315 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 10.004 | 164 | 267383 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.486 | 188 | 451109 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.127 | 240 | 235930 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.633 | 264 | 210500 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.598 | 112 | 985525 | 114.890 | ng | 0.01 |
| 7) Phenol-d6 | 6.581 | 99 | 1227503 | 113.842 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.522 | 82 | 789663 | 84.975 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.786 | 330 | 320449 | 134.409 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.322 | 172 | 1484404 | 73.796 | ng | 0.00 |
| 79) Terphenyl-d14 | 13.074 | 244 | 1360096 | 84.271 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |

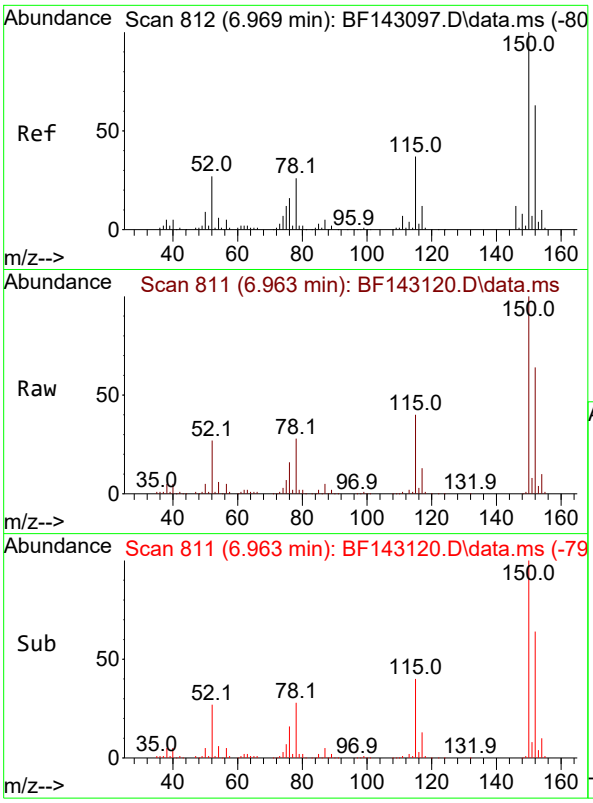
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143120.D
Acq On : 16 Jul 2025 21:09
Operator : RC/JU
Sample : PB168847TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB168847TB

Quant Time: Jul 17 03:45:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration



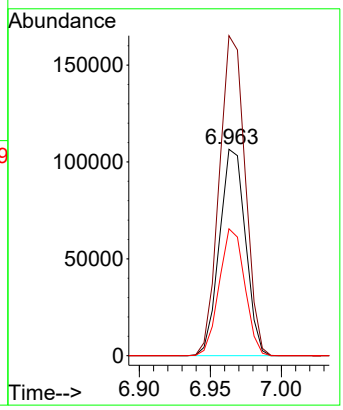


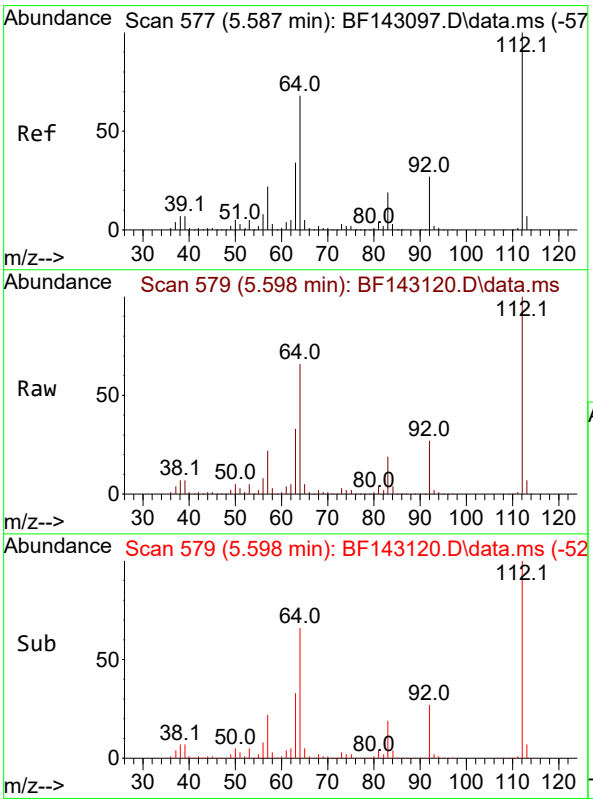

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

**Instrument :**
BNA_F
**ClientSampleId :**
PB168847TB

Tgt Ion:152 Resp: 135526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.1 | 126.5 | 189.7 |
| 115 | 61.5 | 47.0 | 70.6 |

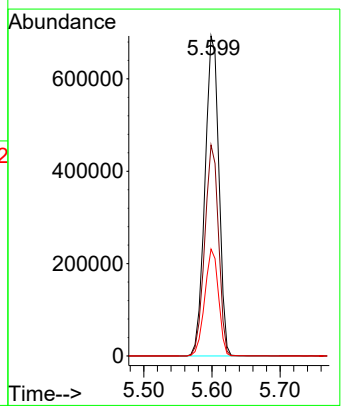


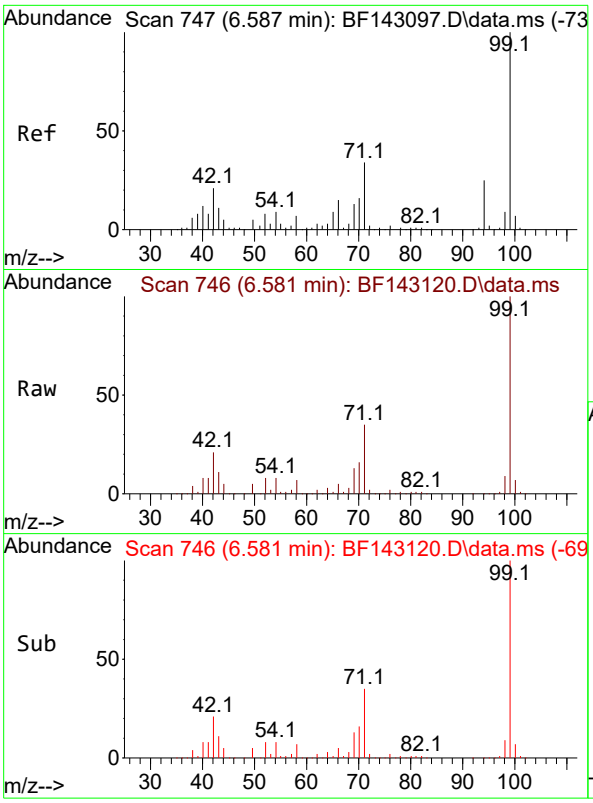




#5
2-Fluorophenol
Concen: 114.890 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

Tgt Ion:112 Resp: 985525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 65.9 | 54.6 | 82.0 |
| 63 | 33.4 | 27.3 | 40.9 |



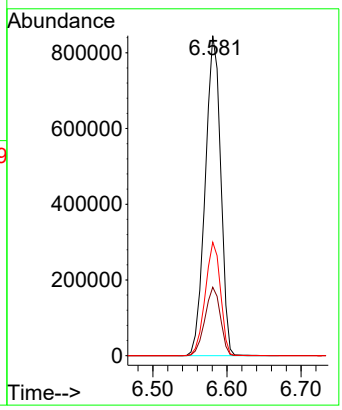


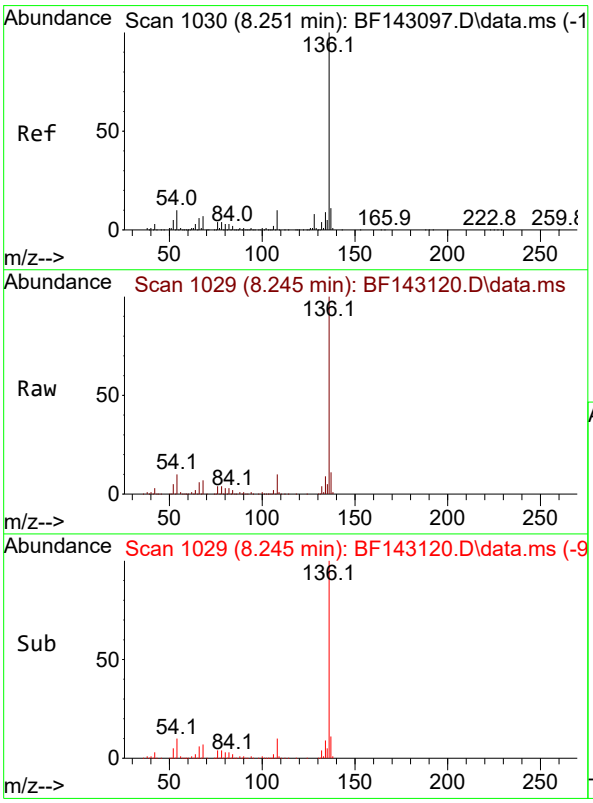

#7
Phenol-d6
Concen: 113.842 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

**Instrument :**
BNA_F
**ClientSampleId :**
PB168847TB

Tgt Ion: 99 Resp: 1227503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.4 | 17.2 | 25.8 |
| 71 | 35.4 | 27.4 | 41.0 |

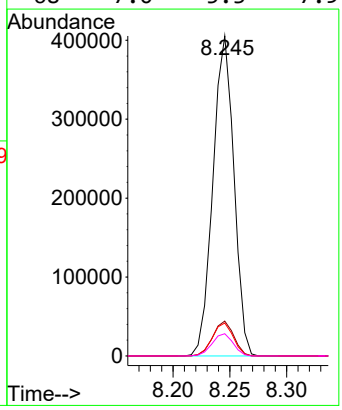


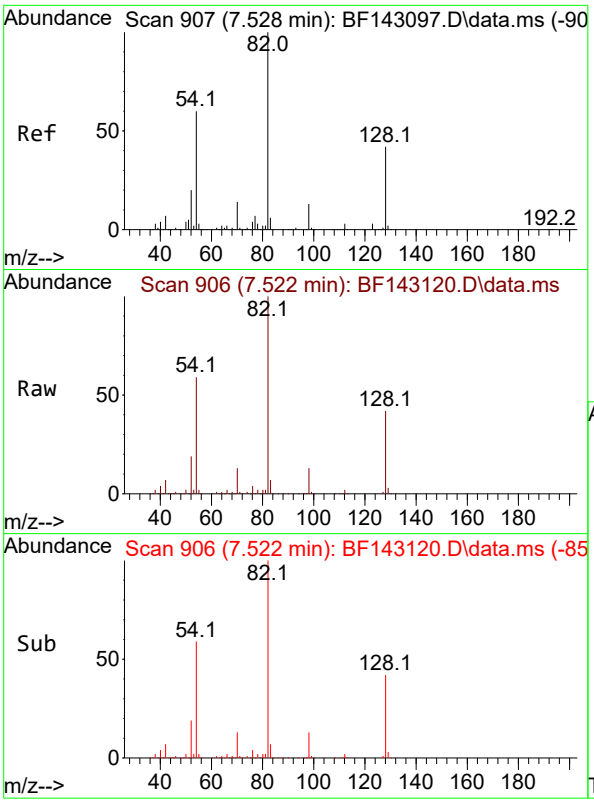




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

Tgt Ion:136 Resp: 521315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.9 | 13.3 |
| 54 | 10.3 | 8.3 | 12.5 |
| 68 | 7.0 | 5.3 | 7.9 |



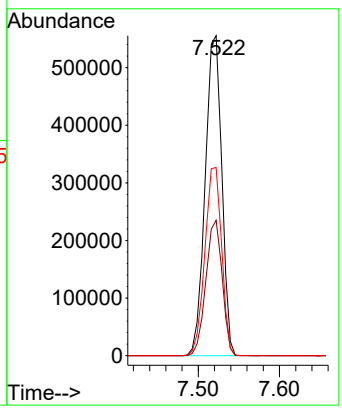


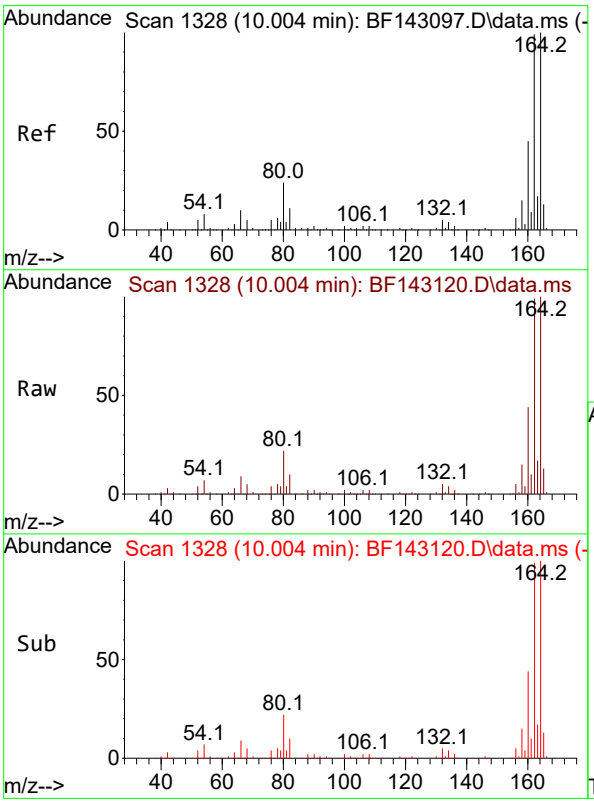

#23
Nitrobenzene-d5
Concen: 84.975 ng
RT: 7.522 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

**Instrument :**
BNA_F
**ClientSampleId :**
PB168847TB

Tgt Ion: 82 Resp: 789663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.3 | 33.3 | 49.9 |
| 54 | 58.8 | 47.4 | 71.2 |

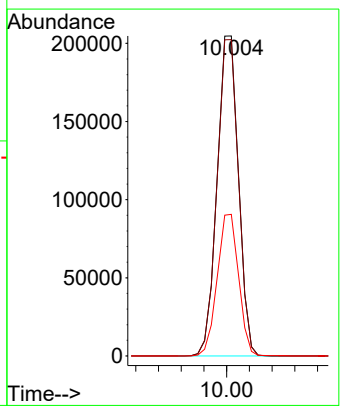


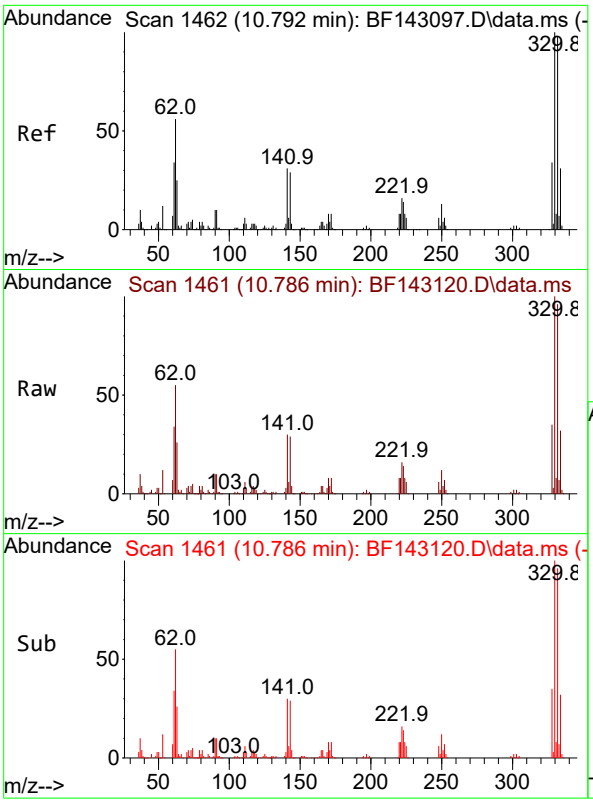




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

Tgt Ion:164 Resp: 267383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.8 | 79.0 | 118.6 |
| 160 | 44.3 | 35.8 | 53.6 |



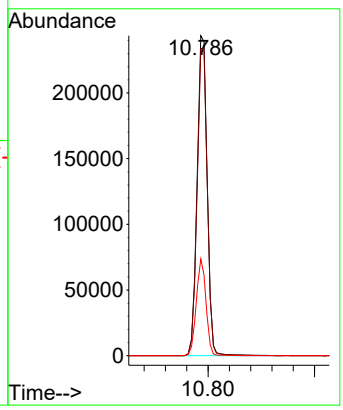


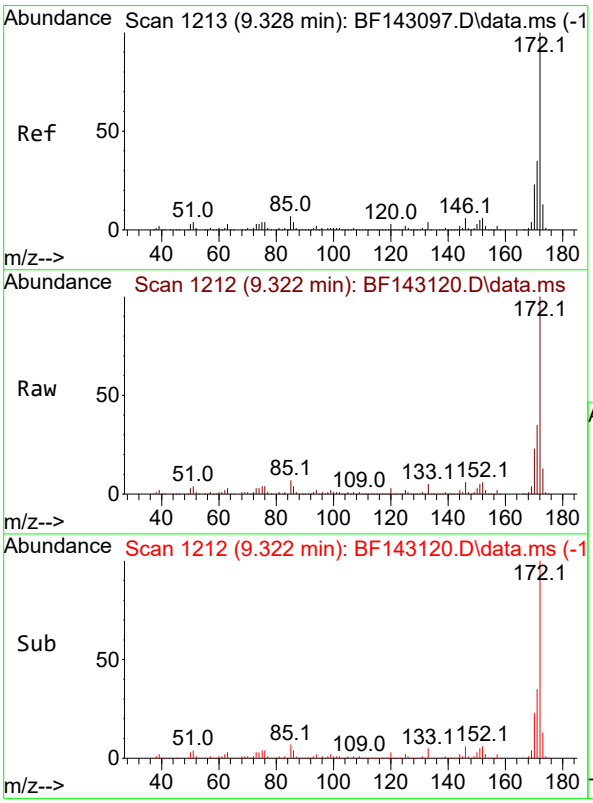

#42
2,4,6-Tribromophenol
Concen: 134.409 ng
RT: 10.786 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

**Instrument :**
BNA_F
**ClientSampleId :**
PB168847TB

Tgt Ion:330 Resp: 320449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.7 | 77.9 | 116.9 |
| 141 | 29.2 | 25.9 | 38.9 |

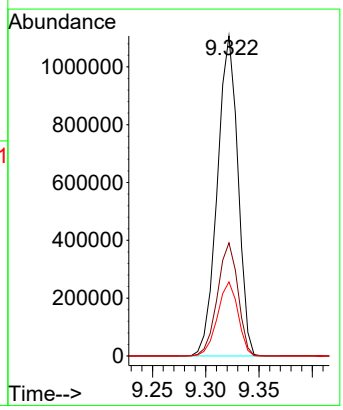


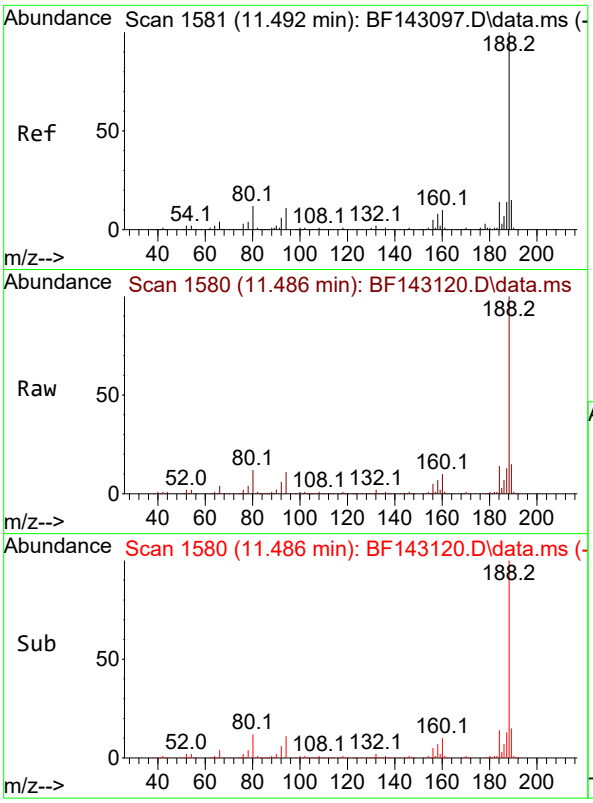




#45
2-Fluorobiphenyl
Concen: 73.796 ng
RT: 9.322 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

Tgt Ion:172 Resp: 1484404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 28.2 | 42.4 |
| 170 | 23.2 | 18.6 | 28.0 |



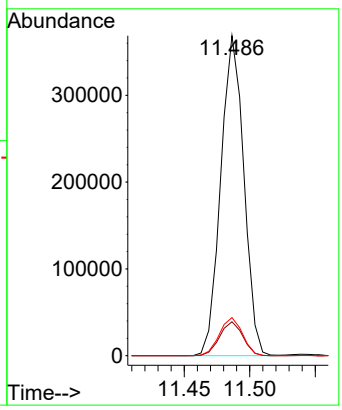


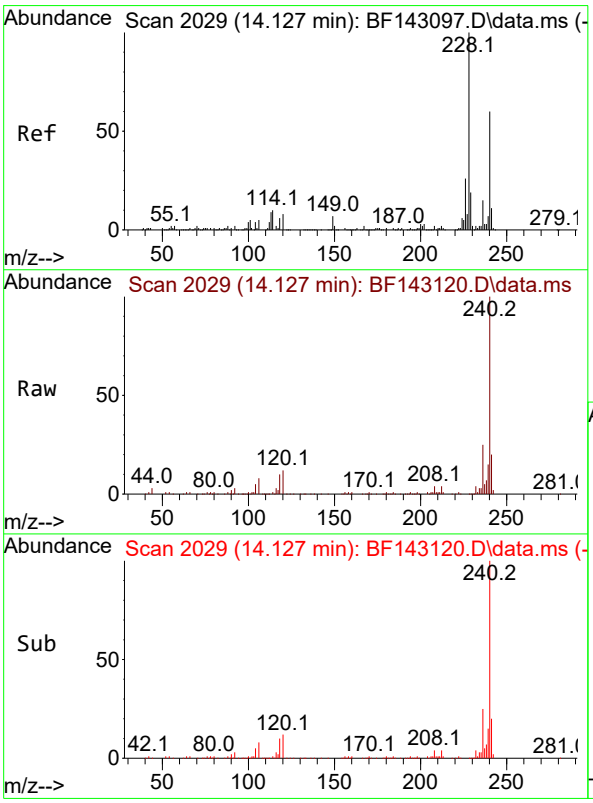

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

**Instrument :**
BNA_F
**ClientSampleId :**
PB168847TB

Tgt Ion:188 Resp: 451109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.6 | 8.6 | 13.0 |
| 80 | 11.9 | 9.3 | 13.9 |

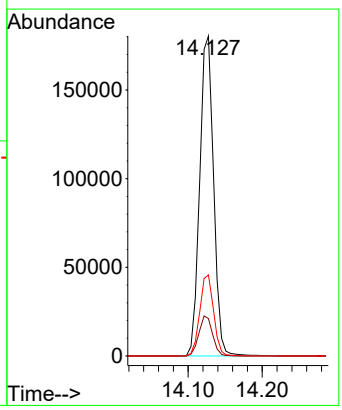


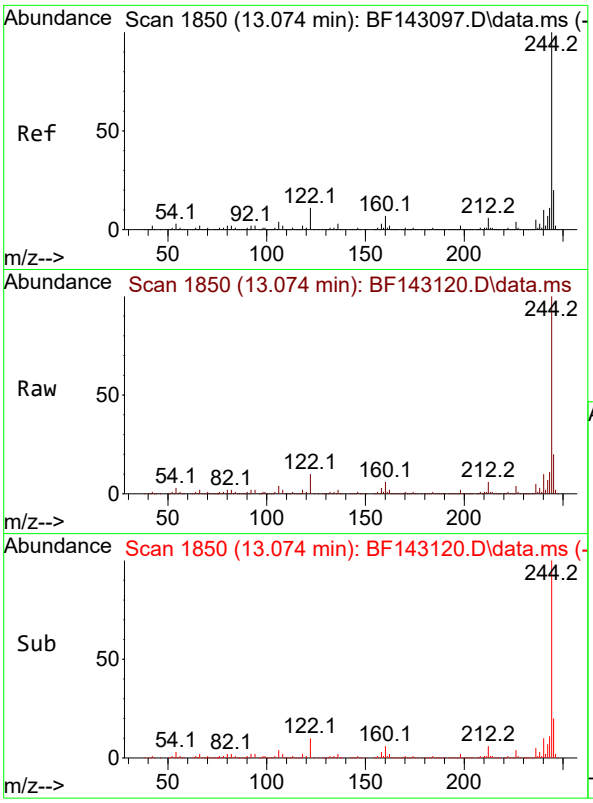




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

Tgt Ion:240 Resp: 235930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.7 | 10.0 | 15.0 |
| 236 | 25.4 | 20.0 | 30.0 |



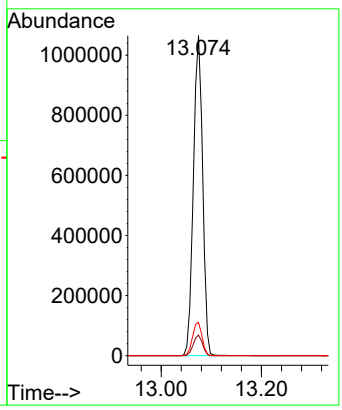


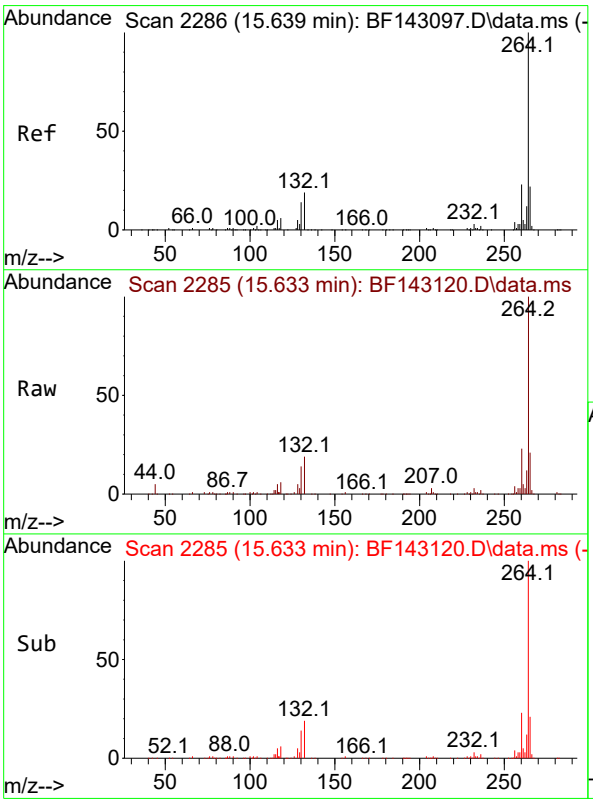

#79
Terphenyl-d14
Concen: 84.271 ng
RT: 13.074 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

**Instrument :**
BNA_F
**ClientSampleId :**
PB168847TB

Tgt Ion:244 Resp: 1360096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.4 | 5.2 | 7.8 |
| 122 | 10.4 | 8.8 | 13.2 |

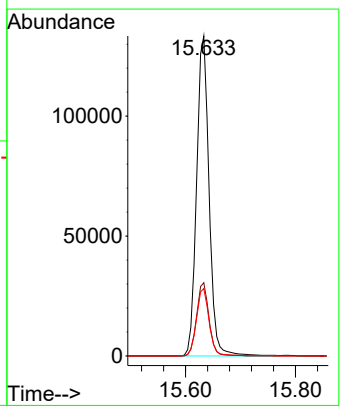



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

Tgt Ion:264 Resp: 210500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.9 | 18.5 | 27.7 |
| 265 | 21.1 | 17.5 | 26.3 |



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | PARSONS Engineering of New York, Inc. | Date Collected: | 07/11/25 |
| Project: | Con Edison - East River Site 2 | Date Received: | 07/11/25 |
| Client Sample ID: | WC-SOIL-20250711 | SDG No.: | Q2592 |
| Lab Sample ID: | Q2592-02 | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF143121.D | 1 | 07/16/25 10:14 | 07/16/25 21:39 | PB168885 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 110-86-1 | Pyridine | 50.0 | U | 12.8 | 50.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 50.0 | U | 5.30 | 50.0 | ug/L |
| 95-48-7 | 2-Methylphenol | 50.0 | U | 11.2 | 50.0 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 100 | U | 11.0 | 100 | ug/L |
| 67-72-1 | Hexachloroethane | 50.0 | U | 6.50 | 50.0 | ug/L |
| 98-95-3 | Nitrobenzene | 50.0 | U | 7.60 | 50.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 50.0 | U | 5.40 | 50.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 50.0 | U | 5.10 | 50.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 50.0 | U | 6.20 | 50.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 50.0 | U | 12.2 | 50.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | 50.0 | U | 5.20 | 50.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 100 | U | 15.8 | 100 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 103 | | 23 - 138 | 68% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 96.1 | | 10 - 134 | 64% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 81.1 | | 67 - 132 | 81% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 69.8 | | 52 - 132 | 70% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 136 | | 44 - 137 | 91% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 74.4 | | 42 - 152 | 74% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 137000 | 6.969 | | | |
| 1146-65-2 | Naphthalene-d8 | 518000 | 8.245 | | | |
| 15067-26-2 | Acenaphthene-d10 | 266000 | 9.998 | | | |
| 1517-22-2 | Phenanthrene-d10 | 452000 | 11.486 | | | |
| 1719-03-5 | Chrysene-d12 | 249000 | 14.127 | | | |
| 1520-96-3 | Perylene-d12 | 227000 | 15.633 | | | |

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | PARSONS Engineering of New York, Inc. | Date Collected: | 07/11/25 |
| Project: | Con Edison - East River Site 2 | Date Received: | 07/11/25 |
| Client Sample ID: | WC-SOIL-20250711 | SDG No.: | Q2592 |
| Lab Sample ID: | Q2592-02 | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF143121.D | 1 | 07/16/25 10:14 | 07/16/25 21:39 | PB168885 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143121.D
Acq On : 16 Jul 2025 21:39
Operator : RC/JU
Sample : Q2592-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711

Quant Time: Jul 17 03:45:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

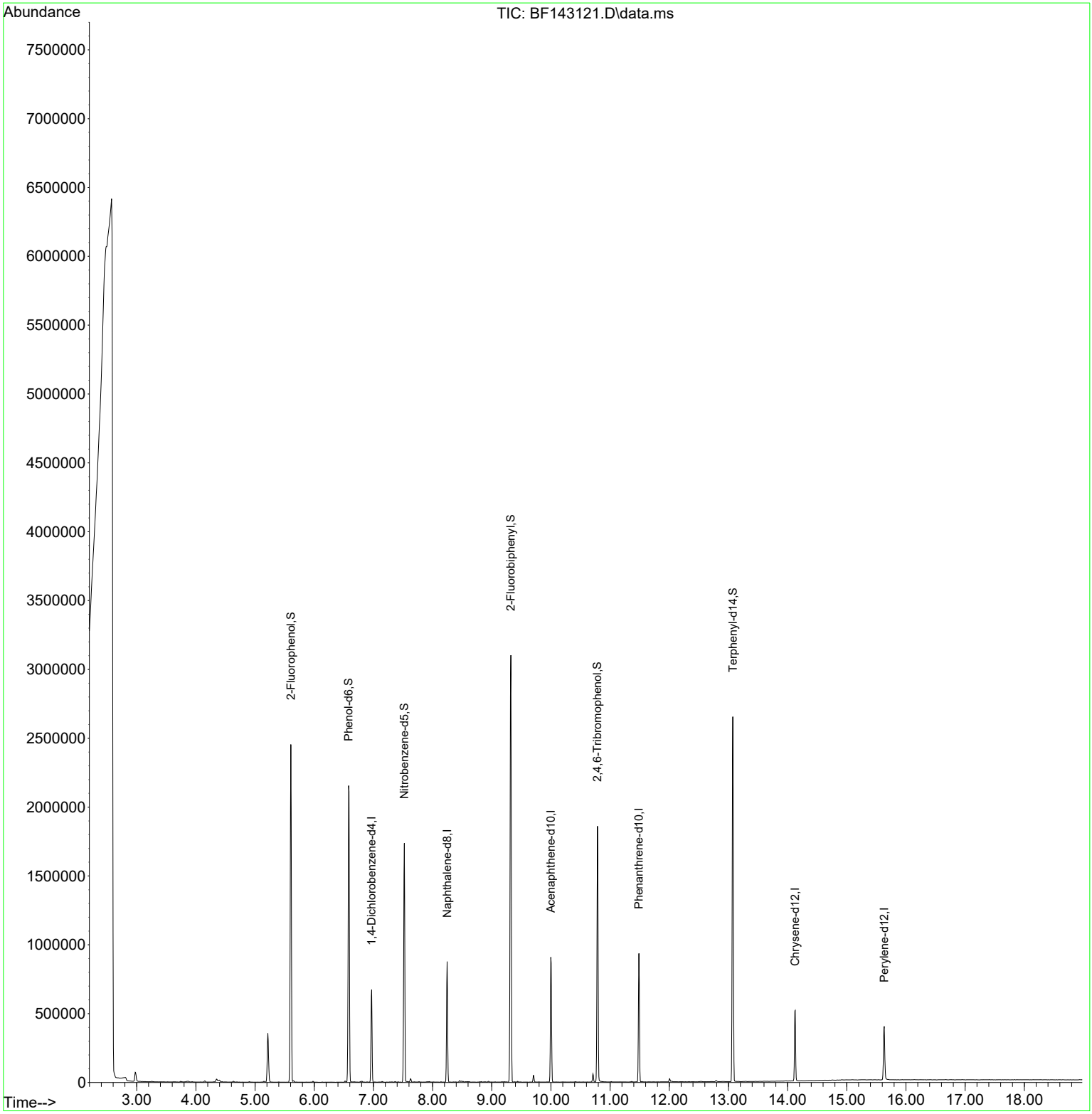
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.969 | 152 | 137278 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.245 | 136 | 517786 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.998 | 164 | 265739 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.486 | 188 | 451811 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.127 | 240 | 249471 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.633 | 264 | 227071 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.604 | 112 | 892422 | 102.709 | ng | 0.02 |
| 7) Phenol-d6 | 6.581 | 99 | 1049480 | 96.090 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.522 | 82 | 748497 | 81.094 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.786 | 330 | 322134 | 135.952 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.322 | 172 | 1394625 | 69.762 | ng | 0.00 |
| 79) Terphenyl-d14 | 13.075 | 244 | 1268948 | 74.356 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |

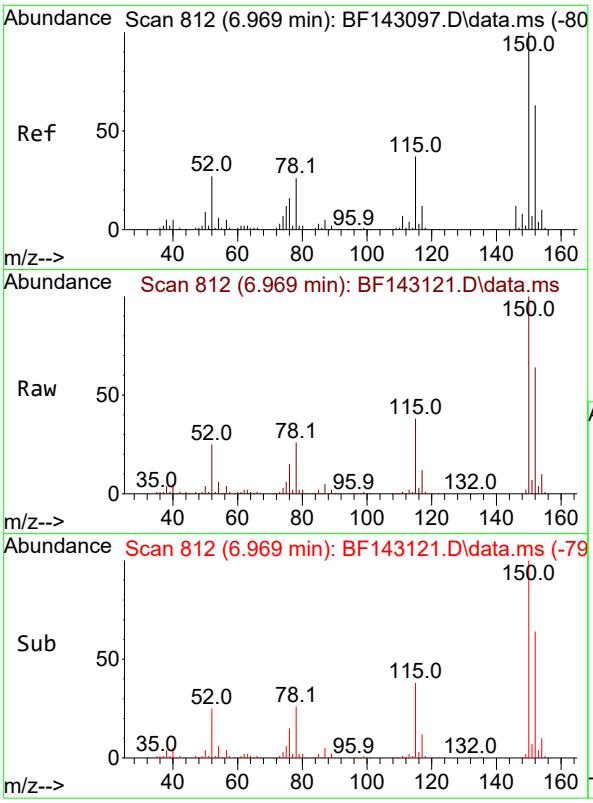
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143121.D
Acq On : 16 Jul 2025 21:39
Operator : RC/JU
Sample : Q2592-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711

Quant Time: Jul 17 03:45:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration



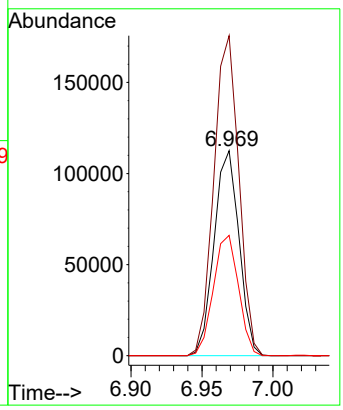


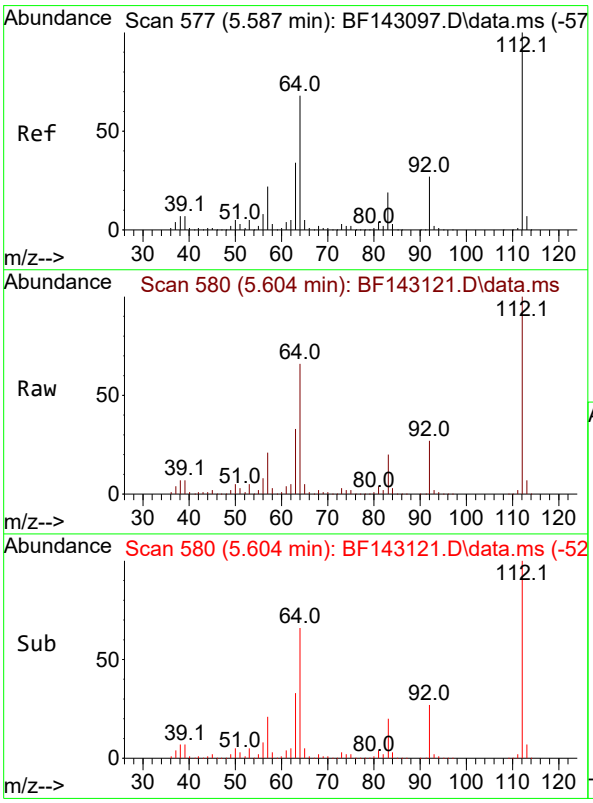

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711

Tgt Ion:152 Resp: 137278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.1 | 126.5 | 189.7 |
| 115 | 58.7 | 47.0 | 70.6 |

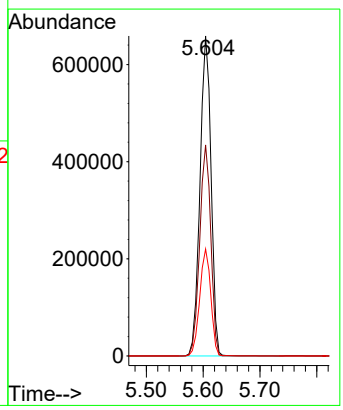


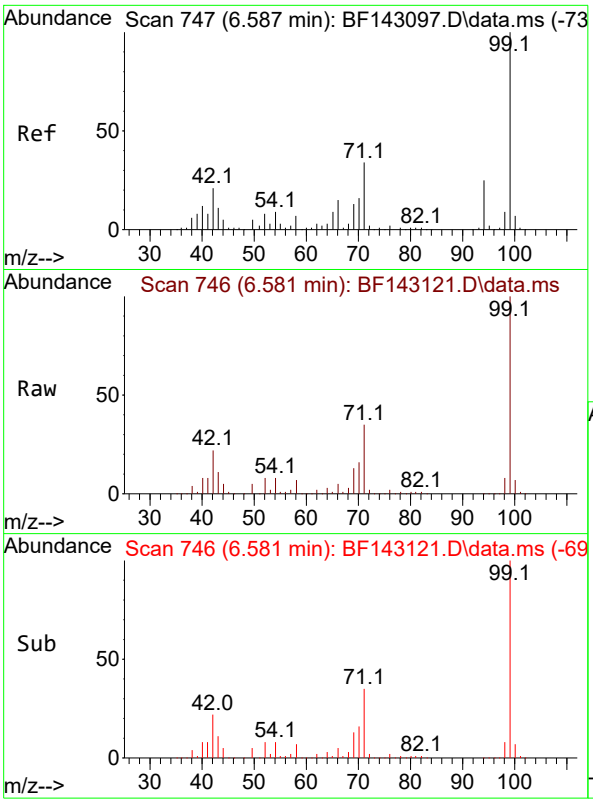




#5
2-Fluorophenol
Concen: 102.709 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

Tgt Ion:112 Resp: 892422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 66.0 | 54.6 | 82.0 |
| 63 | 33.4 | 27.3 | 40.9 |



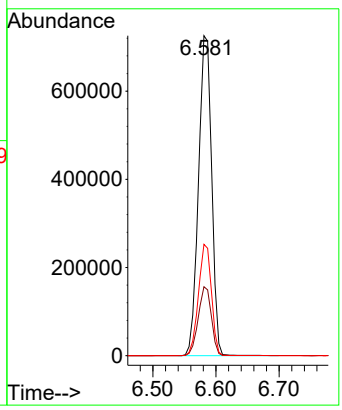


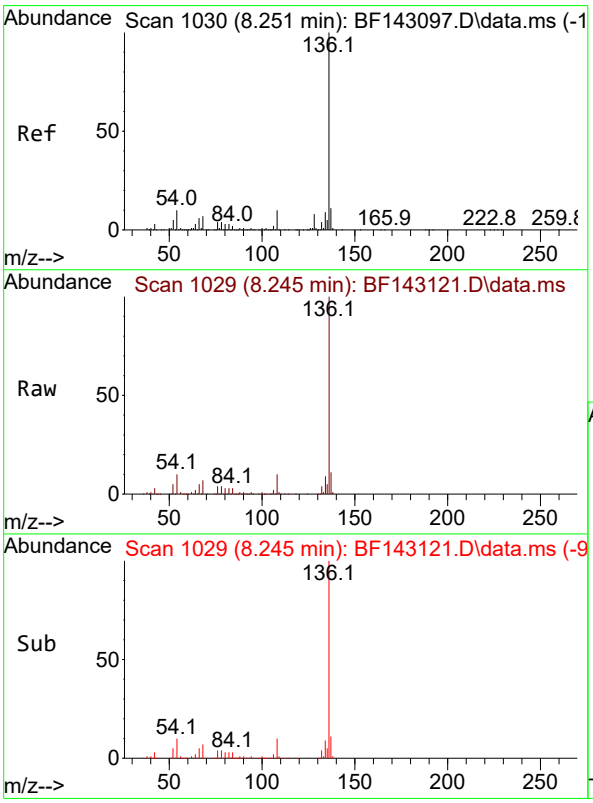

#7
Phenol-d6
Concen: 96.090 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711

Tgt Ion: 99 Resp: 1049480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.6 | 17.2 | 25.8 |
| 71 | 34.8 | 27.4 | 41.0 |

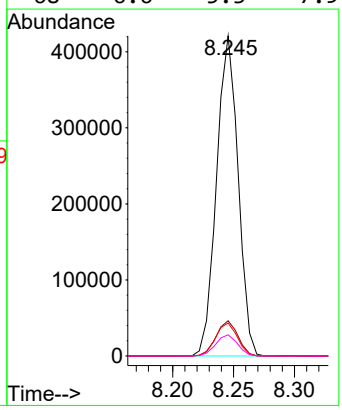


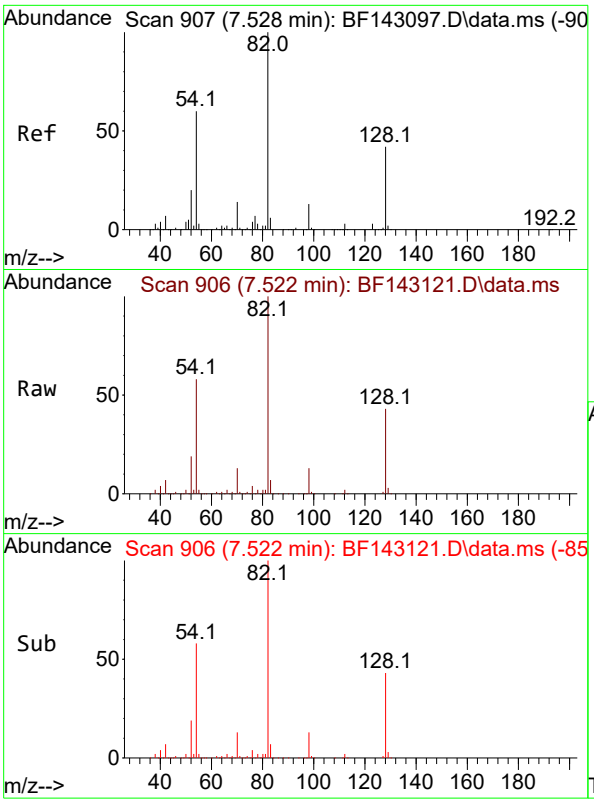




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

Tgt Ion:136 Resp: 517786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.9 | 13.3 |
| 54 | 10.3 | 8.3 | 12.5 |
| 68 | 6.6 | 5.3 | 7.9 |



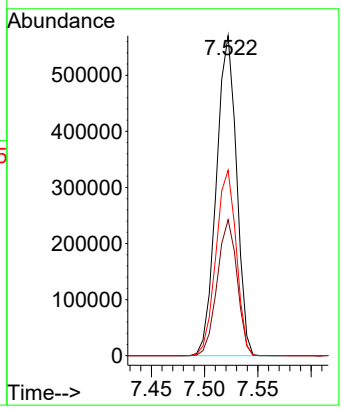


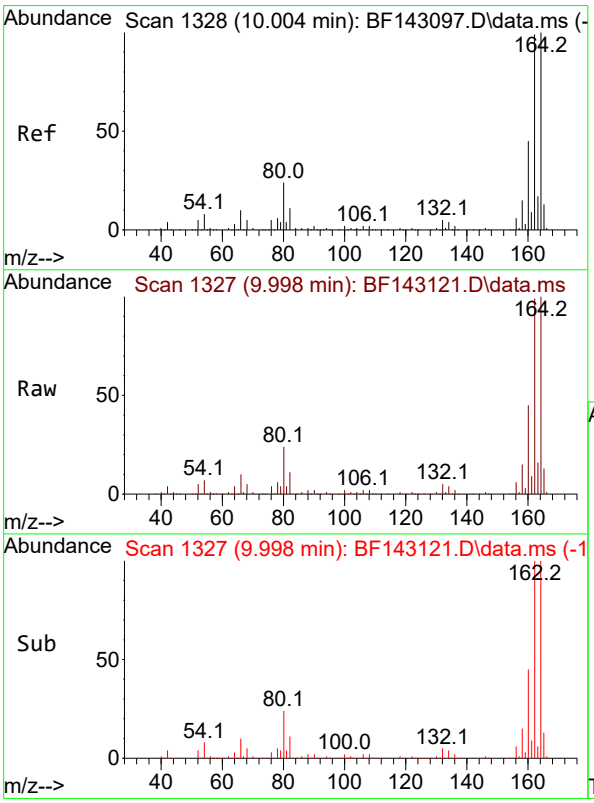

#23
Nitrobenzene-d5
Concen: 81.094 ng
RT: 7.522 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711

Tgt Ion: 82 Resp: 748497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.5 | 33.3 | 49.9 |
| 54 | 58.0 | 47.4 | 71.2 |

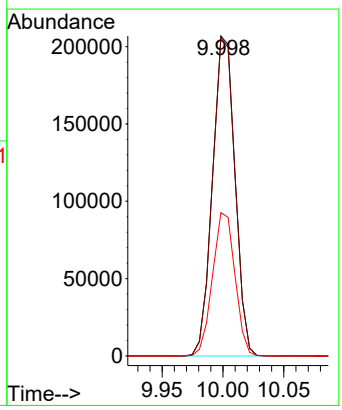


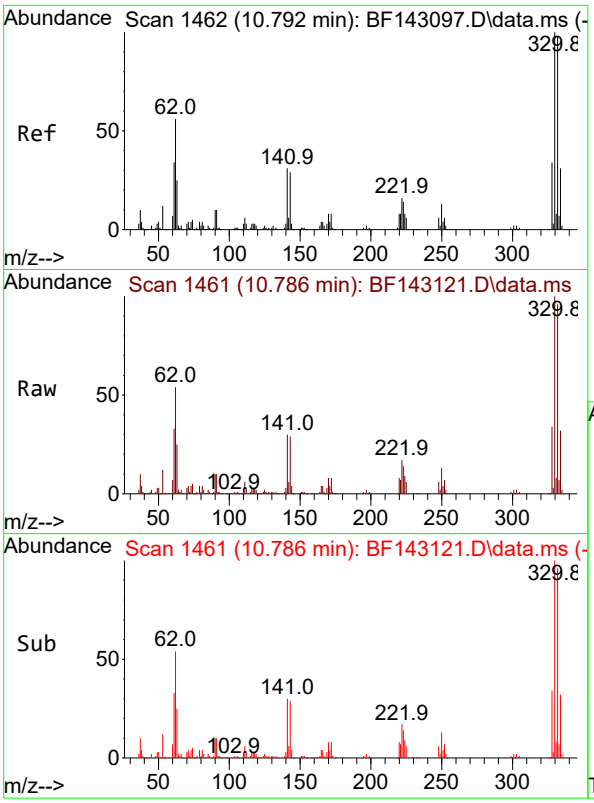




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

Tgt Ion:164 Resp: 265739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.4 | 79.0 | 118.6 |
| 160 | 44.8 | 35.8 | 53.6 |



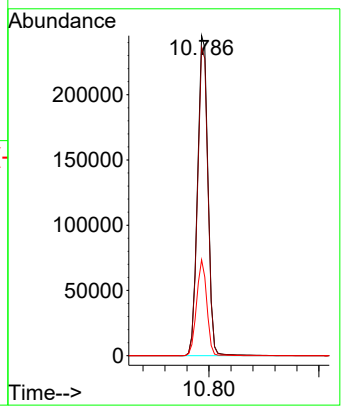


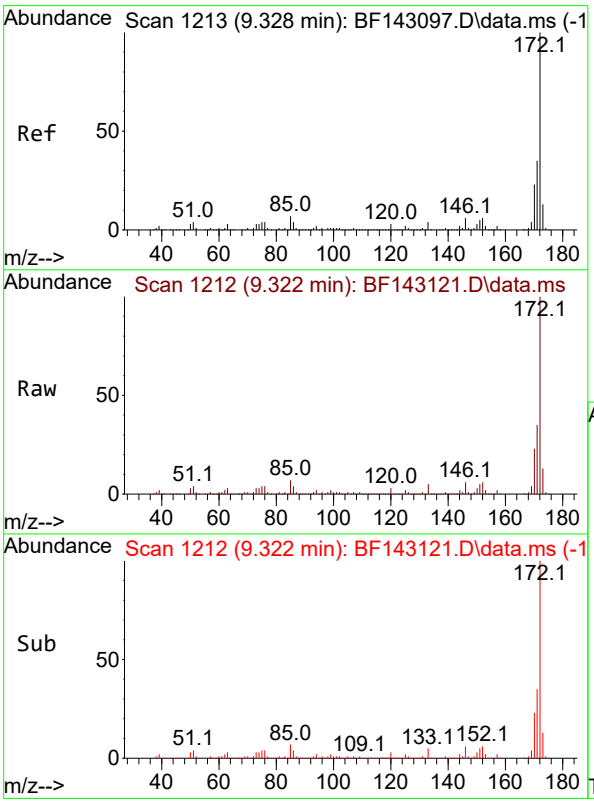

#42
2,4,6-Tribromophenol
Concen: 135.952 ng
RT: 10.786 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711

Tgt Ion:330 Resp: 322134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 77.9 | 116.9 |
| 141 | 29.4 | 25.9 | 38.9 |

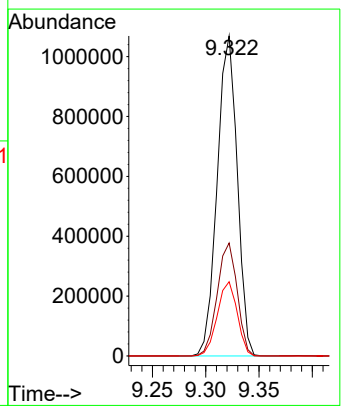


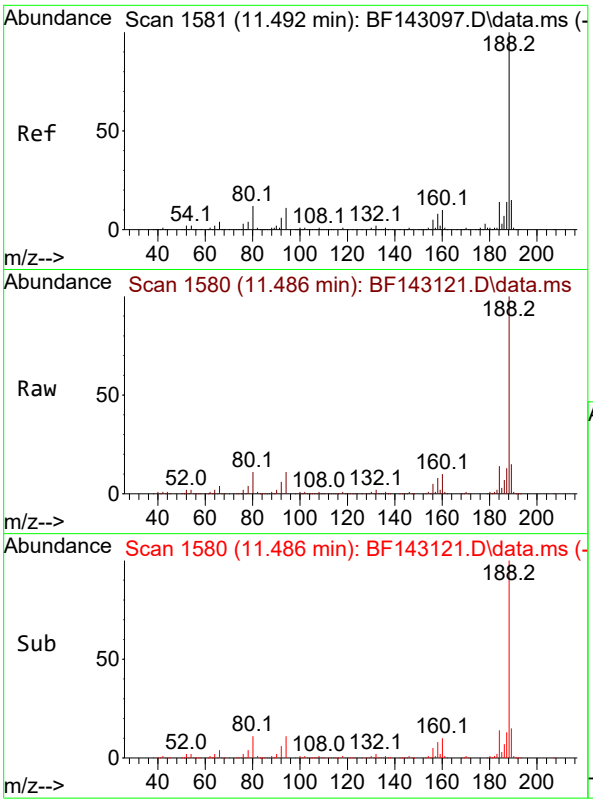




#45
2-Fluorobiphenyl
Concen: 69.762 ng
RT: 9.322 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

Tgt Ion:172 Resp: 1394625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 28.2 | 42.4 |
| 170 | 23.2 | 18.6 | 28.0 |



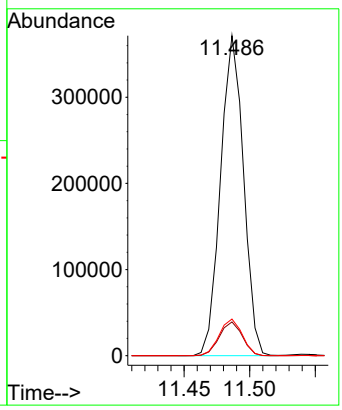


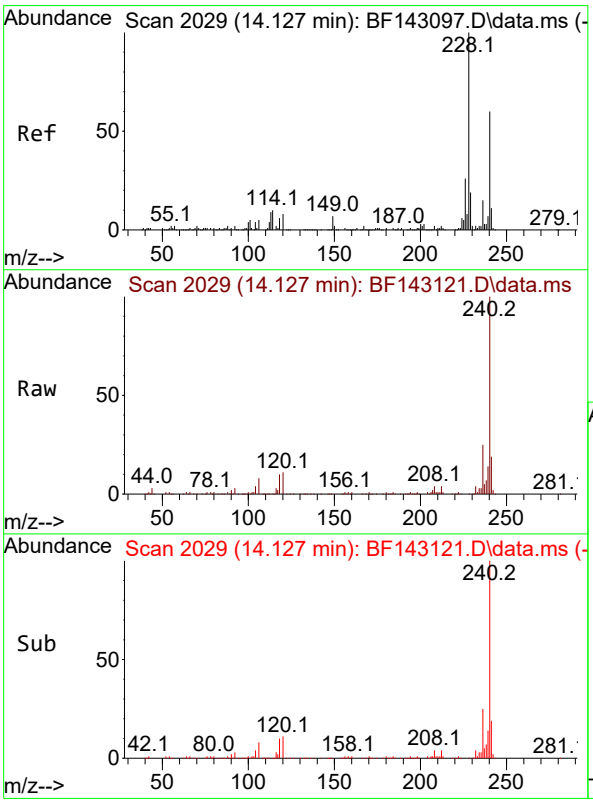

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711

Tgt Ion:188 Resp: 451811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.6 | 8.6 | 13.0 |
| 80 | 11.5 | 9.3 | 13.9 |

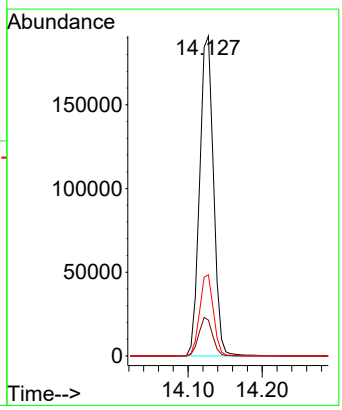


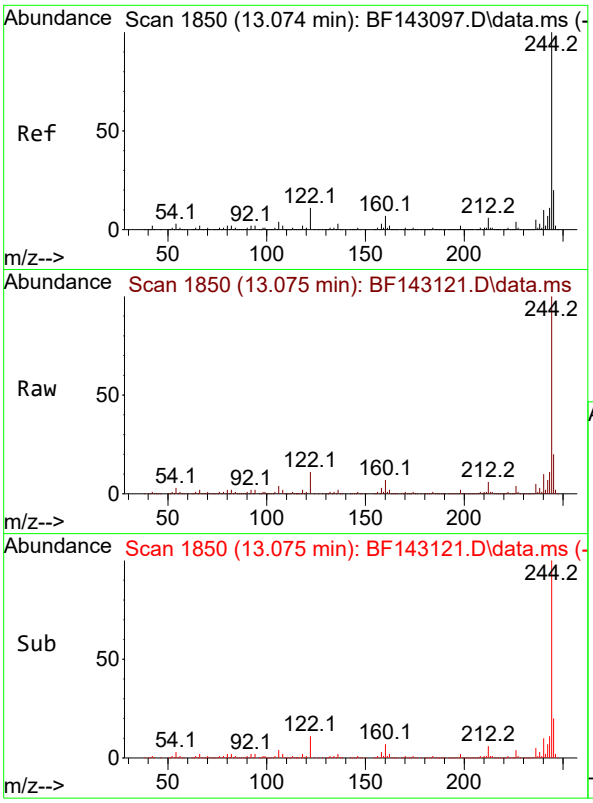




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

Tgt Ion:240 Resp: 249471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.2 | 10.0 | 15.0 |
| 236 | 25.3 | 20.0 | 30.0 |



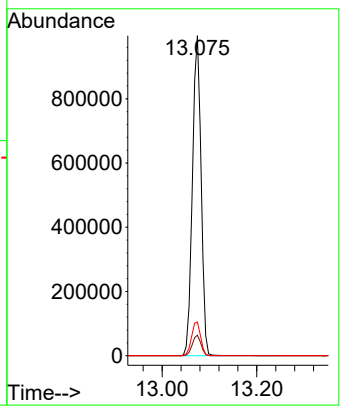


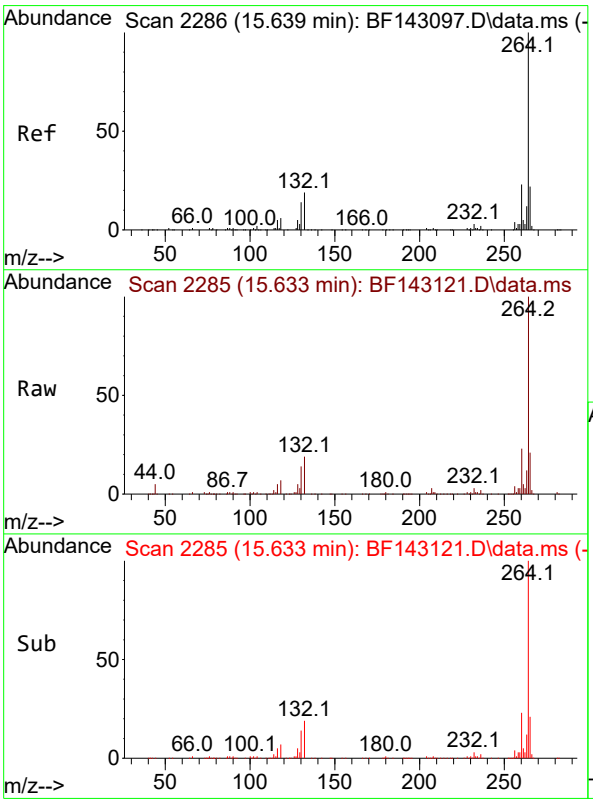

#79
Terphenyl-d14
Concen: 74.356 ng
RT: 13.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711

Tgt Ion:244 Resp: 1268948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.4 | 5.2 | 7.8 |
| 122 | 10.5 | 8.8 | 13.2 |

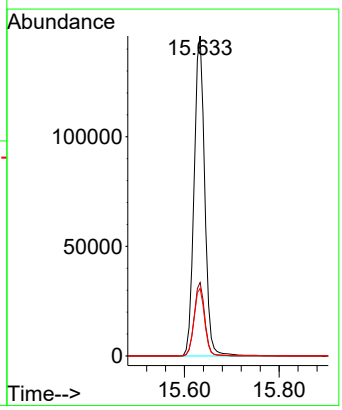



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143121.D
Acq: 16 Jul 2025 21:39

Tgt Ion:264 Resp: 227071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.0 | 18.5 | 27.7 |
| 265 | 21.1 | 17.5 | 26.3 |



# CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 15 17:53:25 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF143093.D 5 =BF143094.D 10 =BF143095.D 20 =BF143096.D 40 =BF143097.D 50 =BF143098.D 60 =BF143099.D 80 =BF143100.D

| | | Compound | 2.5 | 5 | 10 | 20 | 40 | 50 | 60 | 80 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzen... | ---------- | ISTD | ---------- | | | | | | | |
| 2) | | 1,4-Dioxane | | 0.637 | 0.635 | 0.640 | 0.627 | 0.661 | 0.626 | 0.586 | 0.630 | 3.58 |
| 3) | | Pyridine | | 1.606 | 1.541 | 1.616 | 1.594 | 1.681 | 1.612 | 1.519 | 1.596 | 3.33 |
| 4) | | n-Nitrosodimet... | | | 0.788 | 0.825 | 0.816 | 0.879 | 0.840 | 0.812 | 0.827 | 3.70 |
| 5) | S | 2-Fluorophenol | | 1.334 | 1.272 | 1.315 | 1.255 | 1.305 | 1.232 | 1.148 | 1.266 | 4.98 |
| 6) | | Aniline | | 2.330 | 2.254 | 2.280 | 2.205 | 2.351 | 2.196 | 2.069 | 2.241 | 4.26 |
| 7) | S | Phenol-d6 | | 1.685 | 1.616 | 1.640 | 1.565 | 1.643 | 1.547 | 1.441 | 1.591 | 5.11 |
| 8) | | 2-Chlorophenol | | 1.239 | 1.208 | 1.321 | 1.273 | 1.363 | 1.286 | 1.212 | 1.272 | 4.51 |
| 9) | | Benzaldehyde | | | 1.196 | 1.149 | 1.451 | 1.452 | 1.163 | 0.864 | 1.212 | 18.15 |
| 10) | C | Phenol | | 1.766 | 1.742 | 1.782 | 1.709 | 1.780 | 1.694 | 1.584 | 1.723 | 4.07 |
| 11) | | bis(2-Chloroet... | | 1.425 | 1.363 | 1.366 | 1.309 | 1.371 | 1.291 | 1.209 | 1.334 | 5.26 |
| 12) | | 1,3-Dichlorobe... | | 1.547 | 1.482 | 1.470 | 1.414 | 1.471 | 1.388 | 1.286 | 1.437 | 5.83 |
| 13) | C | 1,4-Dichlorobe... | | 1.570 | 1.473 | 1.504 | 1.412 | 1.482 | 1.386 | 1.292 | 1.446 | 6.27 |
| 14) | | 1,2-Dichlorobe... | | 1.468 | 1.409 | 1.430 | 1.364 | 1.417 | 1.321 | 1.241 | 1.379 | 5.57 |
| 15) | | Benzyl Alcohol | | | 1.126 | 1.204 | 1.167 | 1.255 | 1.189 | 1.132 | 1.179 | 4.09 |
| 16) | | 2,2'-oxybis(1-... | | 2.713 | 2.532 | 2.528 | 2.405 | 2.517 | 2.342 | 2.171 | 2.458 | 6.99 |
| 17) | | 2-Methylphenol | | 1.132 | 1.081 | 1.124 | 1.083 | 1.150 | 1.077 | 1.035 | 1.098 | 3.63 |
| 18) | | Hexachloroethane | | 0.465 | 0.440 | 0.486 | 0.472 | 0.500 | 0.476 | 0.455 | 0.471 | 4.22 |
| 19) | P | n-Nitroso-di-n... | 0.956 | 1.029 | 0.988 | 1.002 | 0.964 | 1.017 | 0.945 | 0.897 | 0.975 | 4.44 |
| 20) | | 3+4-Methylphenols | | | 1.399 | 1.419 | 1.356 | 1.421 | 1.293 | 1.189 | 1.346 | 6.74 |
| 21) | I | Naphthalene-d8 | ---------- | ISTD | ---------- | | | | | | | |
| 22) | | Acetophenone | | 0.538 | 0.516 | 0.500 | 0.469 | 0.482 | 0.451 | 0.419 | 0.482 | 8.33 |
| 23) | S | Nitrobenzene-d5 | | 0.283 | 0.319 | 0.363 | 0.372 | 0.399 | 0.390 | 0.370 | 0.357 | 11.59 |
| 24) | | Nitrobenzene | | 0.282 | 0.317 | 0.357 | 0.356 | 0.385 | 0.366 | 0.347 | 0.344 | 9.94 |
| 25) | | Isophorone | | 0.705 | 0.688 | 0.697 | 0.678 | 0.718 | 0.687 | 0.651 | 0.689 | 3.11 |
| 26) | C | 2-Nitrophenol | | 0.063 | 0.075 | 0.106 | 0.120 | 0.141 | 0.146 | 0.147 | 0.114 | 29.95 |
| 27) | | 2,4-Dimethylph... | | 0.325 | 0.322 | 0.326 | 0.320 | 0.332 | 0.315 | 0.299 | 0.320 | 3.38 |
| 28) | | bis(2-Chloroet... | | 0.444 | 0.434 | 0.435 | 0.409 | 0.424 | 0.404 | 0.375 | 0.418 | 5.63 |
| 29) | C | 2,4-Dichloroph... | | 0.237 | 0.254 | 0.267 | 0.267 | 0.280 | 0.271 | 0.254 | 0.262 | 5.43 |
| 30) | | 1,2,4-Trichlor... | | 0.316 | 0.305 | 0.307 | 0.295 | 0.303 | 0.287 | 0.267 | 0.297 | 5.40 |
| 31) | | Naphthalene | | 1.099 | 1.048 | 1.037 | 0.966 | 0.987 | 0.937 | 0.878 | 0.993 | 7.52 |
| 32) | | Benzoic acid | | | 0.080 | 0.111 | 0.144 | 0.159 | 0.171 | 0.172 | 0.139 | 26.27 |
| 33) | | 4-Chloroaniline | | 0.420 | 0.420 | 0.414 | 0.398 | 0.409 | 0.381 | 0.353 | 0.399 | 6.12 |
| 34) | C | Hexachlorobuta... | | 0.185 | 0.176 | 0.183 | 0.177 | 0.182 | 0.176 | 0.163 | 0.178 | 4.10 |
| 35) | | Caprolactam | | | 0.073 | 0.078 | 0.083 | 0.087 | 0.086 | 0.083 | 0.082 | 6.36 |
| 36) | C | 4-Chloro-3-met... | | 0.285 | 0.290 | 0.296 | 0.293 | 0.307 | 0.293 | 0.277 | 0.291 | 3.26 |
| 37) | | 2-Methylnaphth... | | 0.644 | 0.626 | 0.615 | 0.580 | 0.597 | 0.562 | 0.524 | 0.592 | 6.91 |
| 38) | | 1-Methylnaphth... | | 0.678 | 0.660 | 0.631 | 0.603 | 0.615 | 0.578 | 0.537 | 0.615 | 7.81 |

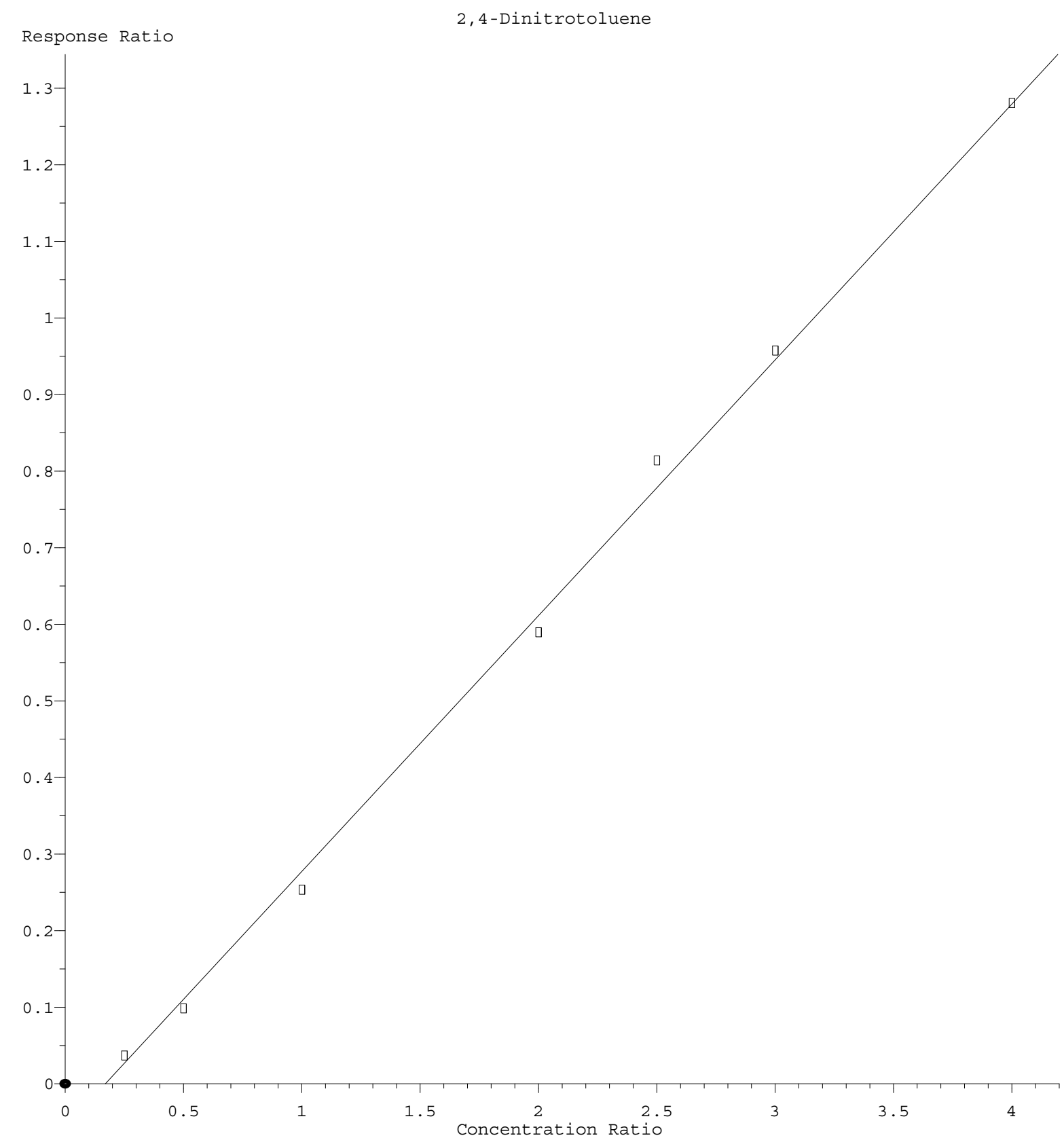
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071525.M

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 39) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | | |
| 40) | | 1,2,4,5-Tetrac... | 0.616 | 0.600 | 0.602 | 0.578 | 0.601 | 0.561 | 0.522 | 0.583 | 5.56 |
| 41) | P | Hexachlorocycl... | | 0.254 | 0.306 | 0.323 | 0.356 | 0.356 | 0.344 | 0.323 | 12.16 |
| 42) | S | 2,4,6-Tribromo... | 0.136 | 0.157 | 0.181 | 0.188 | 0.204 | 0.194 | 0.188 | 0.178 | 13.23 |
| 43) | C | 2,4,6-Trichlor... | 0.300 | 0.312 | 0.377 | 0.376 | 0.400 | 0.393 | 0.377 | 0.362 | 10.94 |
| 44) | | 2,4,5-Trichlor... | 0.336 | 0.367 | 0.390 | 0.393 | 0.418 | 0.377 | 0.378 | 0.380 | 6.62 |
| 45) | S | 2-Fluorobiphenyl | 1.777 | 1.645 | 1.602 | 1.456 | 1.460 | 1.355 | 1.238 | 1.505 | 12.18 |
| 46) | | 1,1'-Biphenyl | 1.750 | 1.687 | 1.671 | 1.567 | 1.610 | 1.496 | 1.384 | 1.595 | 7.84 |
| 47) | | 2-Chloronaphth... | 1.271 | 1.203 | 1.206 | 1.159 | 1.195 | 1.120 | 1.048 | 1.172 | 6.10 |
| 48) | | 2-Nitroaniline | 0.180 | 0.224 | 0.296 | 0.328 | 0.372 | 0.363 | 0.355 | 0.303 | 24.51 |
| 49) | | Acenaphthylene | 2.060 | 2.011 | 2.034 | 1.959 | 1.989 | 1.867 | 1.746 | 1.952 | 5.65 |
| 50) | | Dimethylphthalate | 1.310 | 1.259 | 1.292 | 1.257 | 1.302 | 1.219 | 1.169 | 1.258 | 4.01 |
| 51) | | 2,6-Dinitrotol... | 0.133 | 0.176 | 0.222 | 0.234 | 0.262 | 0.262 | 0.247 | 0.219 | 22.07 |
| 52) | C | Acenaphthene | 1.273 | 1.204 | 1.173 | 1.127 | 1.168 | 1.088 | 1.032 | 1.152 | 6.85 |
| 53) | | 3-Nitroaniline | 0.180 | 0.227 | 0.283 | 0.288 | 0.318 | 0.313 | 0.295 | 0.272 | 18.56 |
| 54) | P | 2,4-Dinitrophenol | | 0.038 | 0.056 | 0.069 | 0.086 | 0.090 | 0.097 | 0.073 | 31.18 |
| 55) | | Dibenzofuran | 1.895 | 1.795 | 1.785 | 1.697 | 1.729 | 1.604 | 1.516 | 1.717 | 7.37 |
| 56) | P | 4-Nitrophenol | | 0.164 | 0.201 | 0.224 | 0.239 | 0.237 | 0.232 | 0.216 | 13.37 |
| 57) | | 2,4-Dinitrotol... | 0.147 | 0.197 | 0.253 | 0.295 | 0.326 | 0.319 | 0.320 | 0.265 | 26.25 |
| 58) | | Fluorene | 1.478 | 1.387 | 1.328 | 1.246 | 1.284 | 1.186 | 1.105 | 1.288 | 9.67 |
| 59) | | 2,3,4,6-Tetrac... | 0.253 | 0.274 | 0.302 | 0.312 | 0.339 | 0.323 | 0.309 | 0.302 | 9.71 |
| 60) | | Diethylphthalate | 1.221 | 1.217 | 1.257 | 1.225 | 1.260 | 1.187 | 1.130 | 1.214 | 3.68 |
| 61) | | 4-Chlorophenyl... | 0.666 | 0.642 | 0.631 | 0.614 | 0.625 | 0.586 | 0.555 | 0.617 | 5.92 |
| 62) | | 4-Nitroaniline | 0.169 | 0.208 | 0.237 | 0.249 | 0.270 | 0.263 | 0.259 | 0.236 | 15.25 |
| 63) | | Azobenzene | 1.425 | 1.399 | 1.375 | 1.328 | 1.381 | 1.282 | 1.208 | 1.343 | 5.65 |
| 64) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | | |
| 65) | | 4,6-Dinitro-2-... | | 0.035 | 0.053 | 0.064 | 0.079 | 0.084 | 0.086 | 0.067 | 30.46 |
| 66) | c | n-Nitrosodiphe... | 0.735 | 0.709 | 0.736 | 0.682 | 0.717 | 0.685 | 0.654 | 0.703 | 4.30 |
| 67) | | 4-Bromophenyl-... | 0.231 | 0.219 | 0.234 | 0.222 | 0.239 | 0.228 | 0.219 | 0.227 | 3.38 |
| 68) | | Hexachlorobenzene | 0.249 | 0.237 | 0.247 | 0.235 | 0.250 | 0.239 | 0.231 | 0.241 | 3.12 |
| 69) | | Atrazine | 0.158 | 0.171 | 0.184 | 0.181 | 0.195 | 0.185 | 0.184 | 0.180 | 6.72 |
| 70) | C | Pentachlorophenol | | 0.098 | 0.125 | 0.132 | 0.149 | 0.145 | 0.145 | 0.132 | 14.47 |
| 71) | | Phenanthrene | 1.190 | 1.136 | 1.111 | 1.042 | 1.089 | 1.021 | 0.968 | 1.079 | 6.95 |
| 72) | | Anthracene | 1.158 | 1.126 | 1.126 | 1.057 | 1.106 | 1.042 | 0.983 | 1.085 | 5.62 |
| 73) | | Carbazole | 1.038 | 1.026 | 1.008 | 0.938 | 0.998 | 0.927 | 0.873 | 0.972 | 6.27 |
| 74) | | Di-n-butylphth... | 0.746 | 0.846 | 0.913 | 0.921 | 0.983 | 0.942 | 0.897 | 0.893 | 8.62 |
| 75) | C | Fluoranthene | 1.044 | 1.053 | 1.009 | 0.960 | 0.998 | 0.938 | 0.869 | 0.981 | 6.59 |
| 76) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | | |
| 77) | | Benzidine | | 0.664 | 0.786 | 0.834 | 0.674 | 0.616 | 0.514 | 0.681 | 17.02 |
| 78) | | Pyrene | 2.018 | 1.956 | 1.955 | 1.842 | 1.918 | 1.716 | 1.585 | 1.856 | 8.33 |
| 79) | S | Terphenyl-d14 | 1.563 | 1.471 | 1.437 | 1.343 | 1.385 | 1.246 | 1.133 | 1.368 | 10.53 |
| 80) | | Butylbenzylpht... | 0.179 | 0.233 | 0.310 | 0.343 | 0.385 | 0.395 | 0.384 | 0.318 | 26.22 |
| 81) | | Benzo(a)anthra... | 1.296 | 1.304 | 1.406 | 1.347 | 1.403 | 1.326 | 1.247 | 1.333 | 4.34 |
| 82) | | 3,3'-Dichlorob... | | 0.314 | 0.406 | 0.385 | 0.428 | 0.411 | 0.377 | 0.387 | 10.35 |
| 83) | | Chrysene | 1.286 | 1.234 | 1.211 | 1.201 | 1.270 | 1.228 | 1.162 | 1.227 | 3.41 |
| 84) | | Bis(2-ethylhex... | 0.273 | 0.343 | 0.479 | 0.515 | 0.578 | 0.591 | 0.583 | 0.480 | 26.25 |
| 85) | c | Di-n-octyl pht... | | 0.474 | 0.811 | 0.922 | 1.073 | 1.115 | 1.167 | 0.927 | 27.83 |

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071525.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 86) | I | Perylene-d12 | ----------ISTD---------- | | | | | | | |
| 87) | | Indeno(1,2,3-c... | 1.345 | 1.411 | 1.526 | 1.521 | 1.620 | 1.519 | 1.470 | 1.488 | 5.98 |
| 88) | | Benzo(b)fluora... | 1.063 | 1.191 | 1.171 | 1.082 | 1.297 | 1.185 | 1.087 | 1.154 | 7.17 |
| 89) | | Benzo(k)fluora... | 1.175 | 1.066 | 1.111 | 1.148 | 1.088 | 1.060 | 1.056 | 1.101 | 4.23 |
| 90) | C | Benzo(a)pyrene | 0.989 | 1.019 | 1.108 | 1.124 | 1.196 | 1.124 | 1.078 | 1.091 | 6.41 |
| 91) | | Dibenzo(a,h)an... | 1.114 | 1.162 | 1.266 | 1.240 | 1.330 | 1.222 | 1.178 | 1.216 | 5.90 |
| 92) | | Benzo(g,h,i)pe... | 1.148 | 1.187 | 1.263 | 1.258 | 1.349 | 1.260 | 1.214 | 1.240 | 5.20 |

(#) = Out of Range




Response = 3.341e-001 * Amt - 5.679e-002
Coef of Det (r^2) = 0.997543  Curve Fit: wlr(1/a)
Method: Q2502_TCLP BNA\svoasrv\HPCHEM1\BNA F\Methods\8270-BF071525.M
Calibration Table Last Updated: Tue Jul 15 17:53:25 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143093.D
Acq On : 15 Jul 2025 13:04
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC2.5

Quant Time: Jul 15 17:36:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

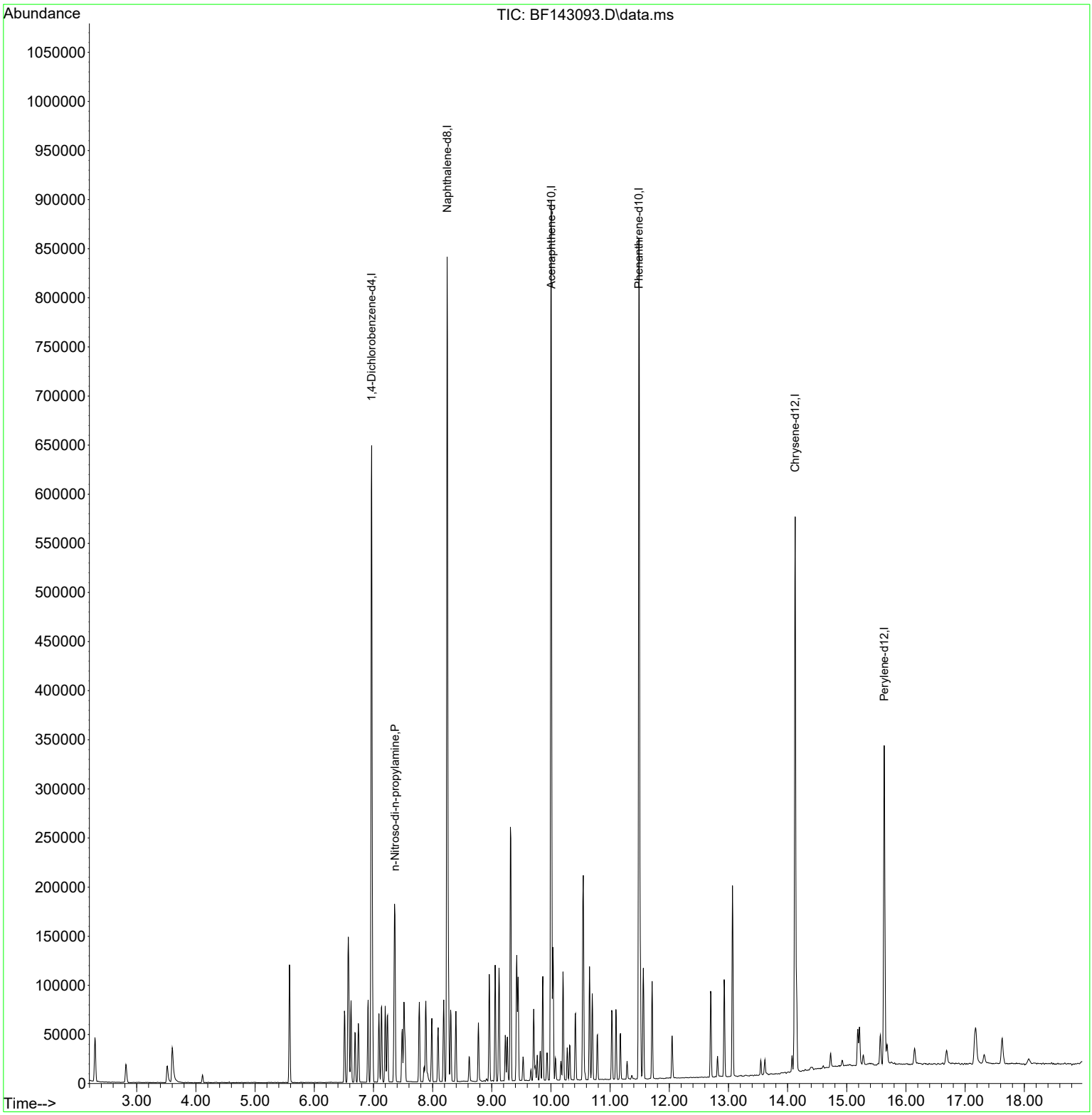
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.969 | 152 | 130499 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.245 | 136 | 494118 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 10.004 | 164 | 253763 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.486 | 188 | 424376 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.127 | 240 | 244536 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.633 | 264 | 187520 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 0.000 | 112 | 0d | 0.000 | ng | |
| 7) Phenol-d6 | 0.000 | 99 | 0d | 0.000 | ng | |
| 23) Nitrobenzene-d5 | 0.000 | 82 | 0d | 0.000 | ng | |
| 42) 2,4,6-Tribromophenol | 0.000 | 330 | 0d | 0.000 | ng | |
| 45) 2-Fluorobiphenyl | 0.000 | 172 | 0d | 0.000 | ng | |
| 79) Terphenyl-d14 | 0.000 | 244 | 0d | 0.000 | ng | |
| Target Compounds | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propyla... | 7.363 | 70 | 15601 | 2.453 | ng | 95 |

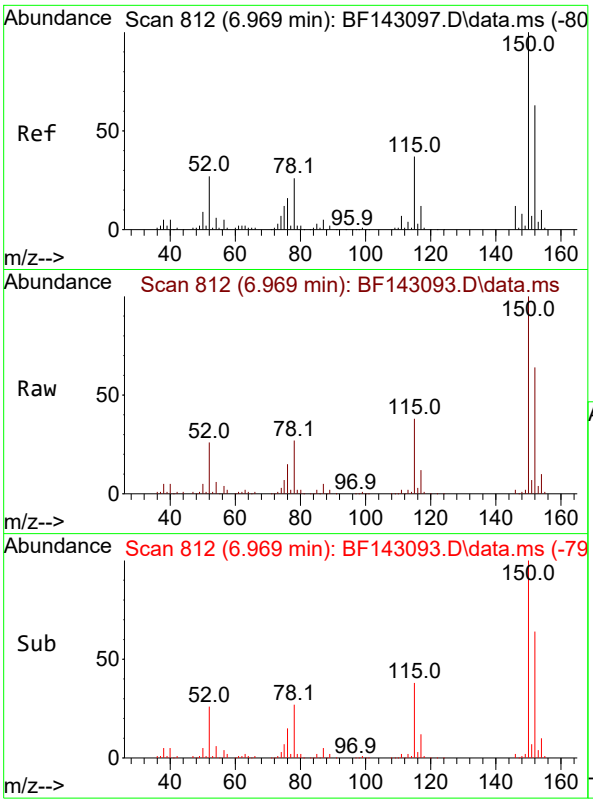
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143093.D
Acq On : 15 Jul 2025 13:04
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC2.5

Quant Time: Jul 15 17:36:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration



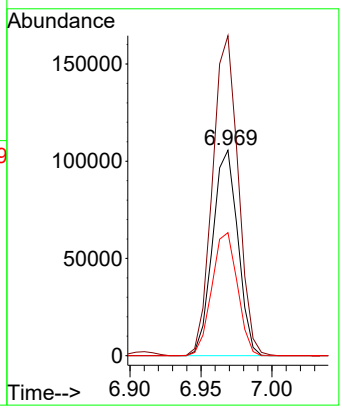


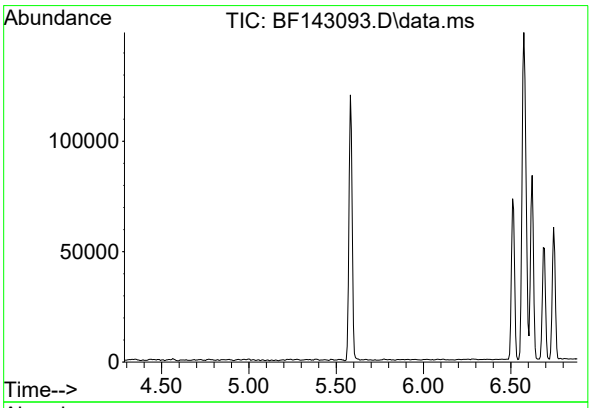

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC2.5

Tgt Ion:152 Resp: 130499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.8 | 126.5 | 189.7 |
| 115 | 59.9 | 47.0 | 70.6 |



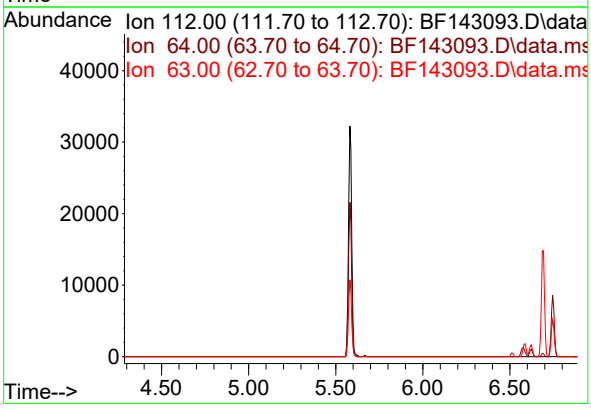



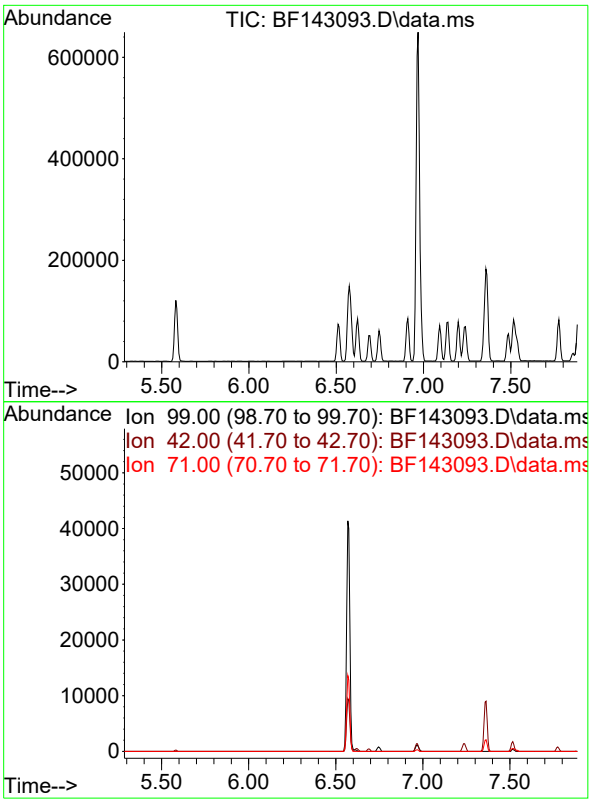

#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.59 min

Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

Tgt Ion: 112

| Sig | Exp Ratio |
|---|---|
| 112 | 100 |
| 64 | 68.3 |
| 63 | 34.1 |





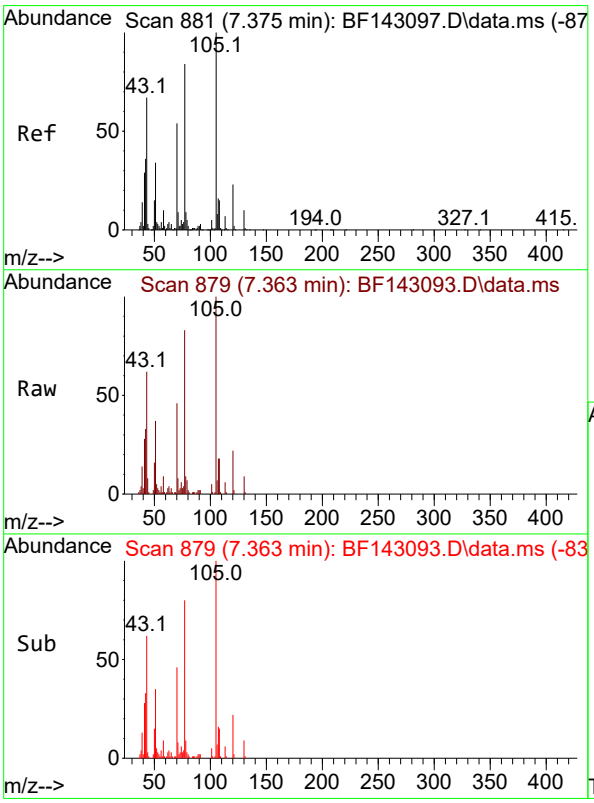

#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.59 min

Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC2.5

Tgt Ion: 99

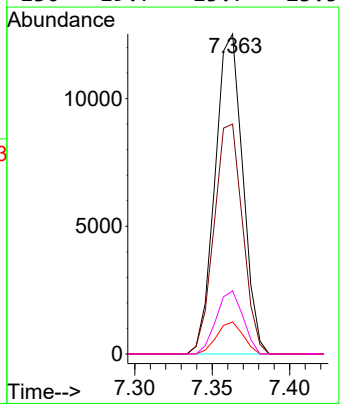
| Sig | Exp Ratio |
|---|---|
| 99 | 100 |
| 42 | 21.5 |
| 71 | 34.2 |

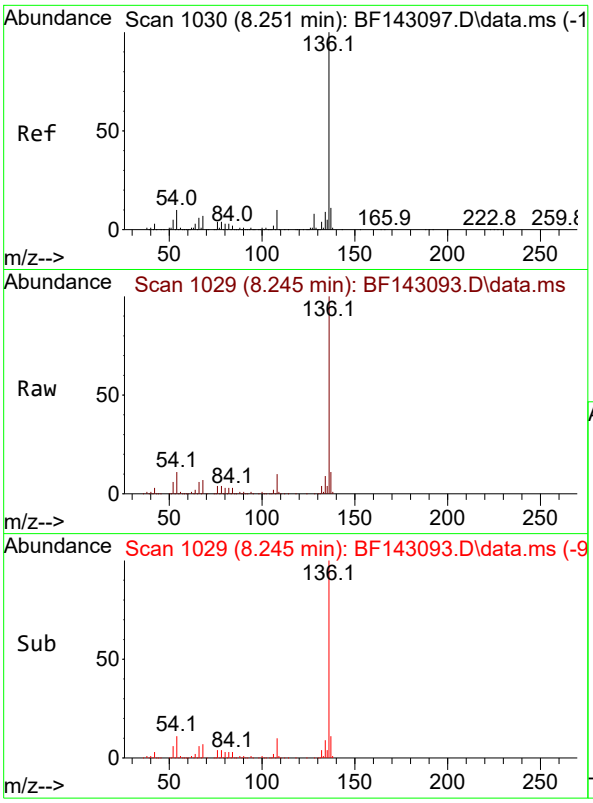



#19
n-Nitroso-di-n-propylamine
Concen: 2.453 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.012 min
Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

Tgt Ion: 70 Resp: 15601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 71.9 | 53.2 | 79.8 |
| 101 | 10.0 | 7.5 | 11.3 |
| 130 | 19.7 | 15.7 | 23.5 |



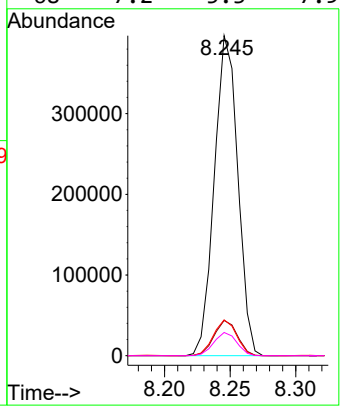


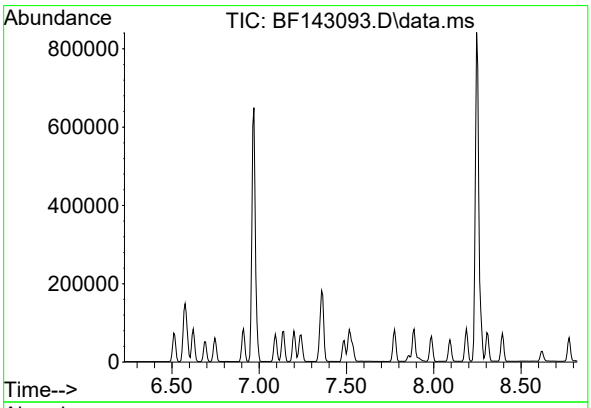

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC2.5

Tgt Ion:136 Resp: 494118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.9 | 13.3 |
| 54 | 11.2 | 8.3 | 12.5 |
| 68 | 7.2 | 5.3 | 7.9 |



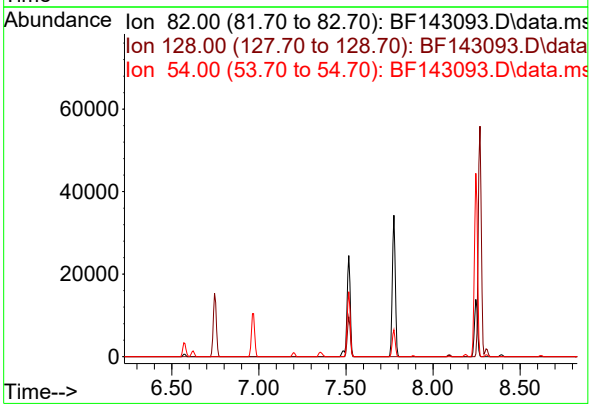



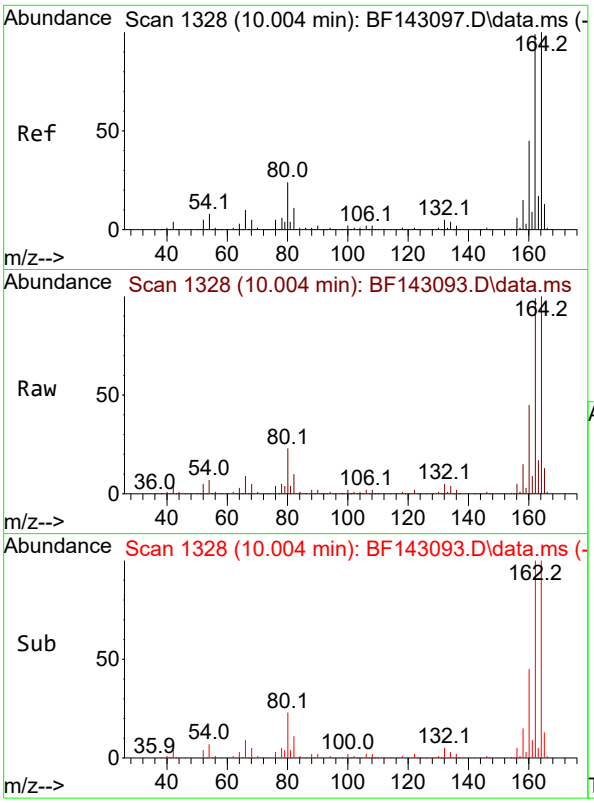

#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.53 min

Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

Tgt Ion: 82

| Sig | Exp Ratio |
|---|---|
| 82 | 100 |
| 128 | 41.6 |
| 54 | 59.3 |



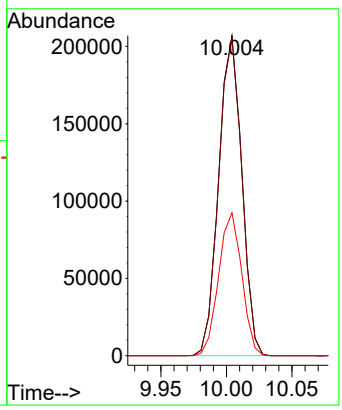


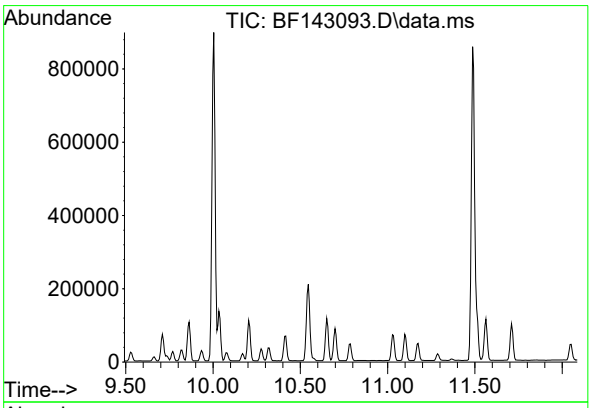

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC2.5

Tgt Ion:164 Resp: 253763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.1 | 79.0 | 118.6 |
| 160 | 44.7 | 35.8 | 53.6 |



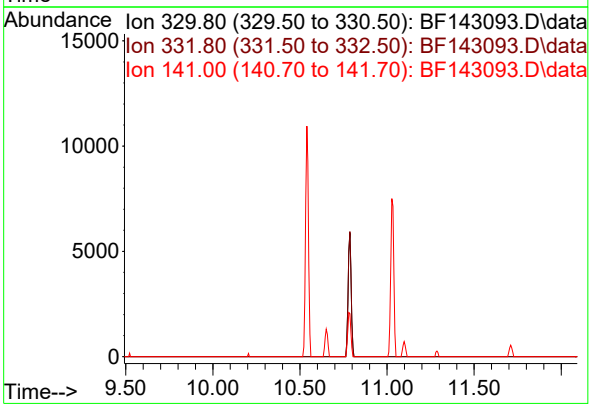



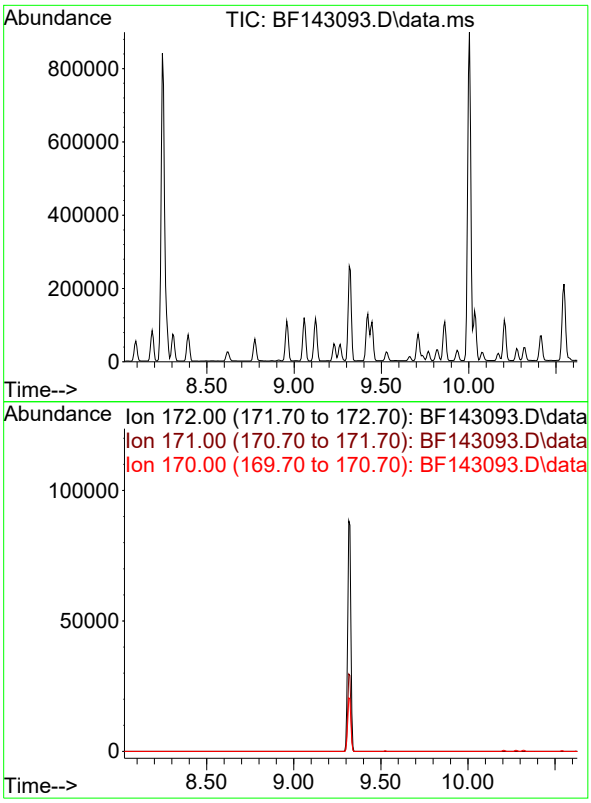

#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.79 min

Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

Tgt Ion: 330

| Sig | Exp Ratio |
|---|---|
| 330 | 100 |
| 332 | 97.4 |
| 141 | 32.4 |





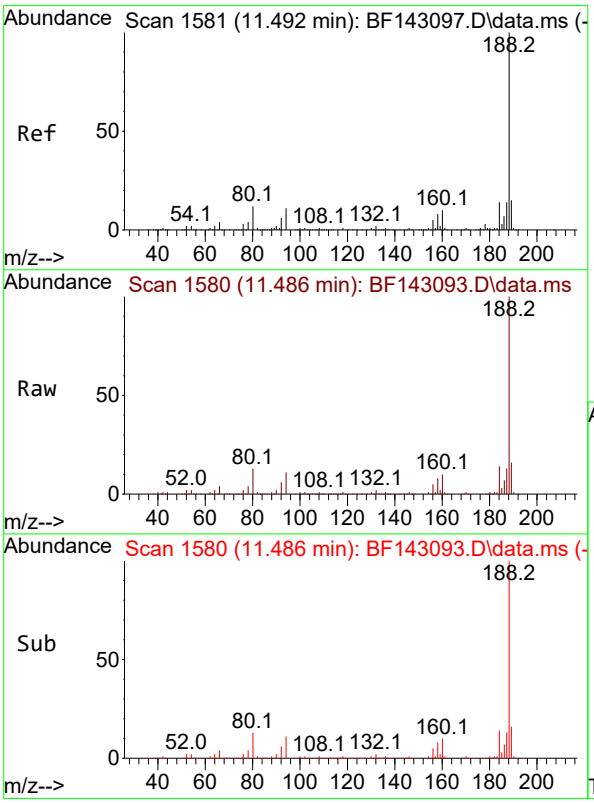

#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.33 min

Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC2.5

Tgt Ion: 172

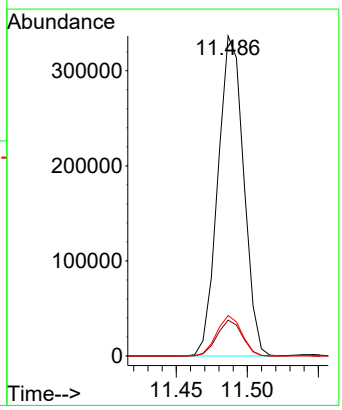
| Sig | Exp Ratio |
|---|---|
| 172 | 100 |
| 171 | 35.3 |
| 170 | 23.3 |

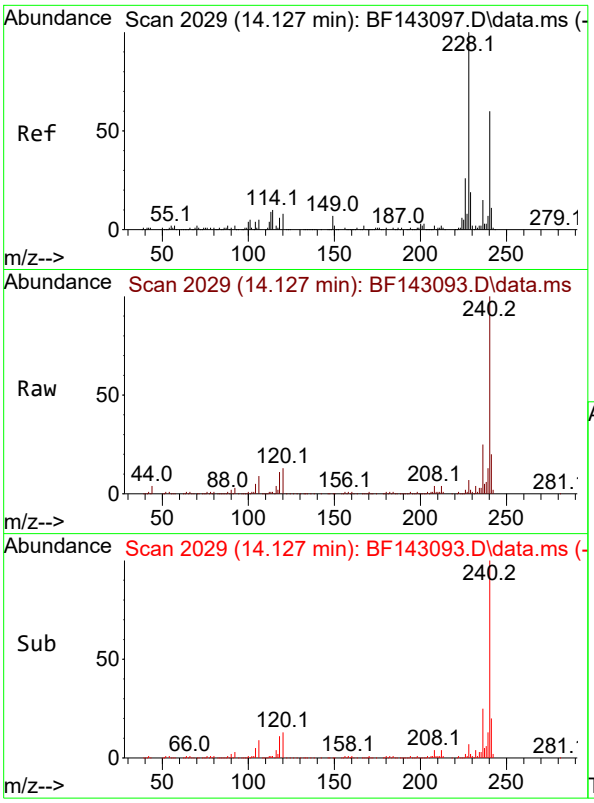



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

Tgt Ion:188 Resp: 424376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.2 | 8.6 | 13.0 |
| 80 | 12.7 | 9.3 | 13.9 |



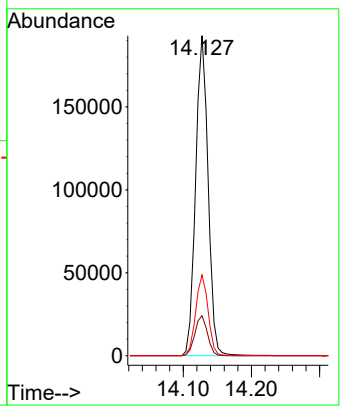


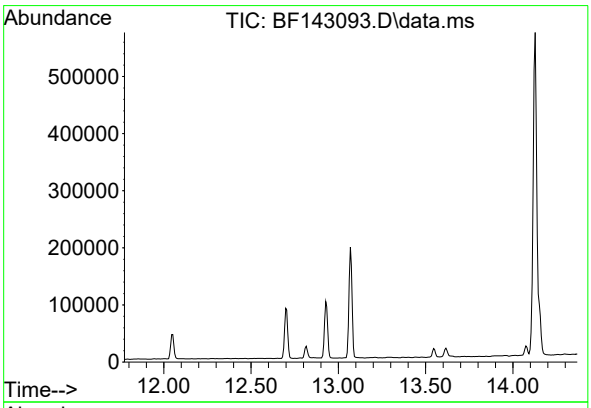

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC2.5

Tgt Ion:240 Resp: 244536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.5 | 10.0 | 15.0 |
| 236 | 25.3 | 20.0 | 30.0 |



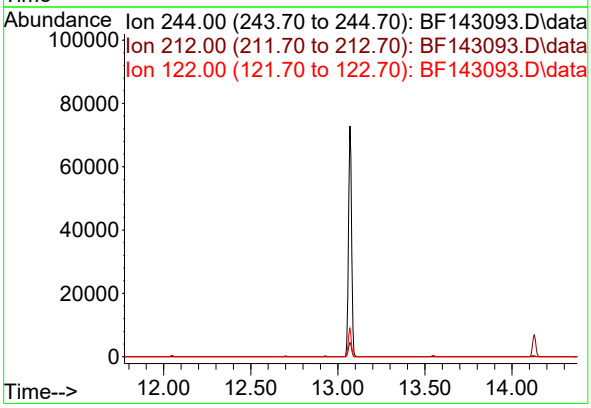



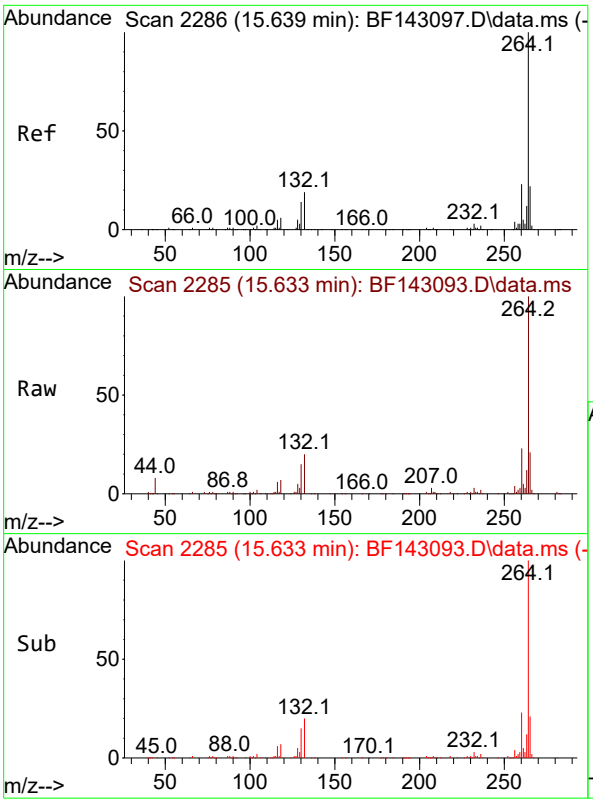

#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.07 min

Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

Tgt Ion: 244

| Sig | Exp Ratio |
|---|---|
| 244 | 100 |
| 212 | 6.5 |
| 122 | 11.0 |



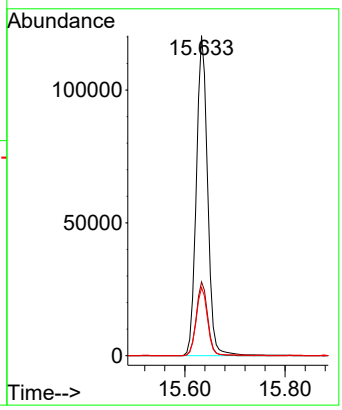



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC2.5

Tgt Ion:264 Resp: 187520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.0 | 18.5 | 27.7 |
| 265 | 21.3 | 17.5 | 26.3 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143094.D
Acq On : 15 Jul 2025 13:35
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 15 17:37:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.969 | 152 | 119528 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.245 | 136 | 456442 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 10.004 | 164 | 230973 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.486 | 188 | 382578 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.127 | 240 | 212909 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.633 | 264 | 174154 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.581 | 112 | 79738 | 10.540 | ng | 0.00 |
| 7) Phenol-d6 | 6.575 | 99 | 100706 | 10.590 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.516 | 82 | 64500m | 7.927 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.786 | 330 | 15703 | 7.625 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.322 | 172 | 205273 | 11.814 | ng | 0.00 |
| 79) Terphenyl-d14 | 13.069 | 244 | 166389 | 11.424 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.810 | 88 | 19027 | 5.052 | ng | 95 |
| 3) Pyridine | 3.587 | 79 | 48004 | 5.034 | ng | 97 |
| 6) Aniline | 6.622 | 93 | 69613 | 5.198 | ng | 99 |
| 8) 2-Chlorophenol | 6.745 | 128 | 37026 | 4.871 | ng | 98 |
| 10) Phenol | 6.587 | 94 | 52784 | 5.127 | ng | 98 |
| 11) bis(2-Chloroethyl)ether | 6.692 | 93 | 42574 | 5.342 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 6.910 | 146 | 46218 | 5.382 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 6.987 | 146 | 46918 | 5.431 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.140 | 146 | 43854 | 5.323 | ng | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.240 | 45 | 81065 | 5.518 | ng | 99 |
| 17) 2-Methylphenol | 7.198 | 107 | 33834 | 5.158 | ng | 98 |
| 18) Hexachloroethane | 7.487 | 117 | 13889 | 4.938 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.363 | 70 | 30747 | 5.277 | ng | 99 |
| 22) Acetophenone | 7.363 | 105 | 61393 | 5.580 | ng | 95 |
| 24) Nitrobenzene | 7.534 | 77 | 32206 | 4.100 | ng | 99 |
| 25) Isophorone | 7.775 | 82 | 80494 | 5.118 | ng | 99 |
| 26) 2-Nitrophenol | 7.857 | 139 | 7204 | 6.037 | ng | 96 |
| 27) 2,4-Dimethylphenol | 7.887 | 122 | 37098 | 5.082 | ng | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.987 | 93 | 50637 | 5.310 | ng | 98 |
| 29) 2,4-Dichlorophenol | 8.092 | 162 | 27047 | 4.529 | ng | 96 |
| 30) 1,2,4-Trichlorobenzene | 8.187 | 180 | 36023 | 5.315 | ng | 99 |
| 31) Naphthalene | 8.269 | 128 | 125461 | 5.535 | ng | 100 |
| 33) 4-Chloroaniline | 8.310 | 127 | 47947 | 5.260 | ng | 98 |
| 34) Hexachlorobutadiene | 8.392 | 225 | 21105 | 5.207 | ng | 98 |
| 36) 4-Chloro-3-methylphenol | 8.775 | 107 | 32542 | 4.892 | ng | 96 |
| 37) 2-Methylnaphthalene | 8.957 | 142 | 73511 | 5.436 | ng | 99 |
| 38) 1-Methylnaphthalene | 9.057 | 142 | 77390 | 5.518 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.128 | 216 | 35579 | 5.286 | ng | 97 |
| 43) 2,4,6-Trichlorophenol | 9.228 | 196 | 17295 | 4.135 | ng | 97 |
| 44) 2,4,5-Trichlorophenol | 9.263 | 196 | 19416 | 4.427 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.422 | 154 | 101056 | 5.486 | ng | 99 |
| 47) 2-Chloronaphthalene | 9.445 | 162 | 73385 | 5.423 | ng | 99 |
| 48) 2-Nitroaniline | 9.528 | 65 | 10398 | 5.579 | ng | 91 |
| 49) Acenaphthylene | 9.863 | 152 | 118965 | 5.276 | ng | 99 |
| 50) Dimethylphthalate | 9.710 | 163 | 75659 | 5.207 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 9.769 | 165 | 7659 | 5.308 | ng | 93 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143094.D
Acq On : 15 Jul 2025 13:35
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:37:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 52) Acenaphthene | 10.033 | 154 | 73531 | 5.526 | ng | | 99 |
| 53) 3-Nitroaniline | 9.933 | 138 | 10382 | 3.307 | ng | # | 90 |
| 55) Dibenzofuran | 10.204 | 168 | 109432 | 5.518 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 10.169 | 165 | 8515 | 5.606 | ng | | 87 |
| 58) Fluorene | 10.551 | 166 | 85318 | 5.738 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.322 | 232 | 14610 | 4.192 | ng | # | 98 |
| 60) Diethylphthalate | 10.416 | 149 | 70533 | 5.031 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 10.539 | 204 | 38452 | 5.395 | ng | | 96 |
| 62) 4-Nitroaniline | 10.539 | 138 | 9779 | 3.581 | ng | | 83 |
| 63) Azobenzene | 10.698 | 77 | 82291 | 5.308 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 10.651 | 169 | 70293 | 5.231 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 11.033 | 248 | 22127 | 5.086 | ng | | 95 |
| 68) Hexachlorobenzene | 11.098 | 284 | 23819 | 5.160 | ng | | 97 |
| 69) Atrazine | 11.175 | 200 | 15103 | 4.393 | ng | | 99 |
| 71) Phenanthrene | 11.510 | 178 | 113784 | 5.511 | ng | | 99 |
| 72) Anthracene | 11.563 | 178 | 110778 | 5.335 | ng | | 100 |
| 73) Carbazole | 11.710 | 167 | 99235 | 5.335 | ng | | 100 |
| 74) Di-n-butylphthalate | 12.051 | 149 | 71352 | 4.179 | ng | | 99 |
| 75) Fluoranthene | 12.704 | 202 | 99884 | 5.320 | ng | | 100 |
| 78) Pyrene | 12.927 | 202 | 107389 | 5.436 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.545 | 149 | 9546 | 5.646 | ng | | 92 |
| 81) Benzo(a)anthracene | 14.116 | 228 | 68990 | 4.863 | ng | | 99 |
| 83) Chrysene | 14.151 | 228 | 68451 | 5.239 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.110 | 149 | 14537 | 5.667 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 17.162 | 276 | 58565 | 4.521 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.186 | 252 | 46276 | 4.607 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.215 | 252 | 51177 | 5.340 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.568 | 252 | 43046 | 4.531 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 17.186 | 278 | 48506 | 4.581 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 17.627 | 276 | 49989 | 4.631 | ng | | 98 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

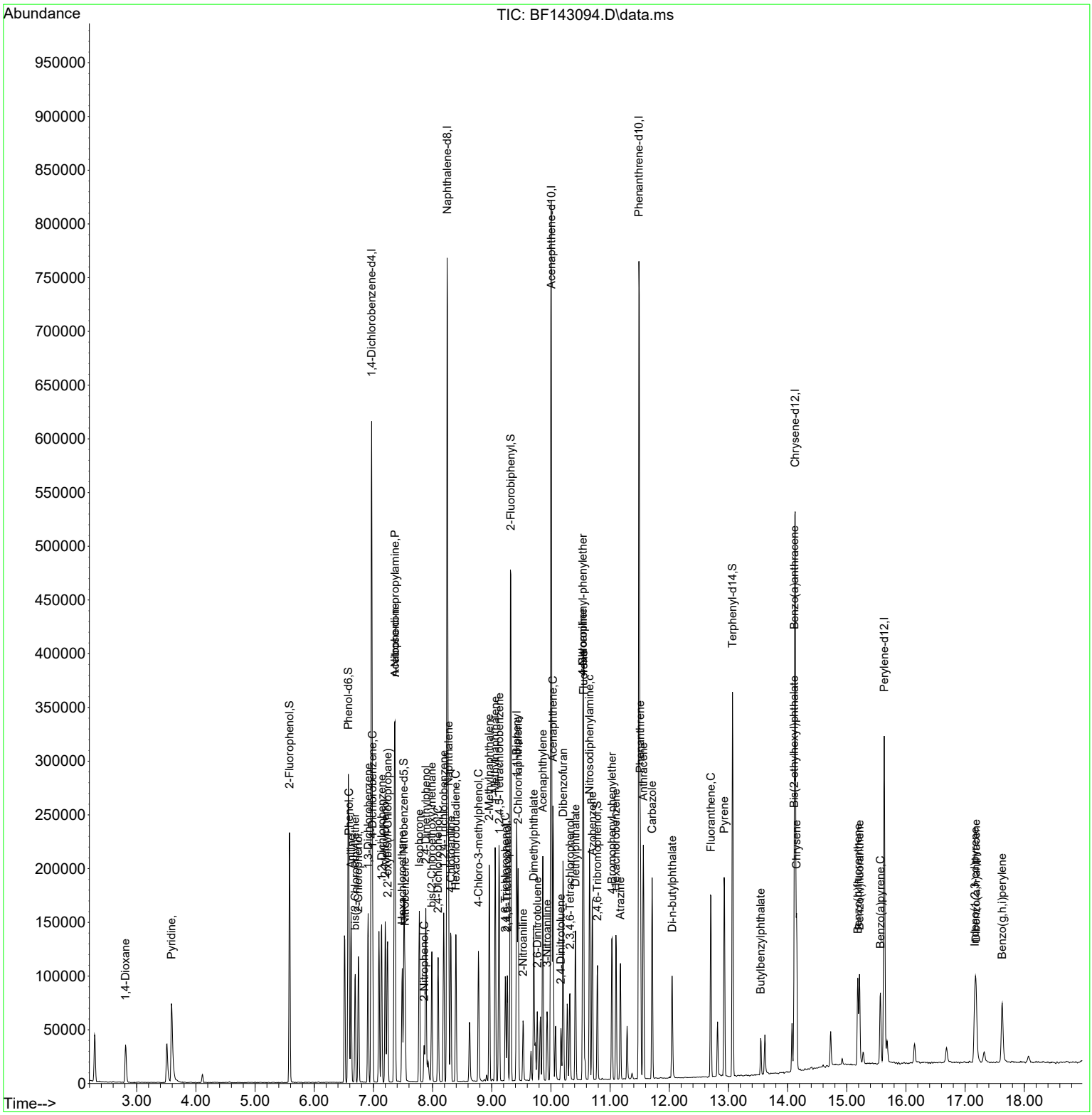
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143094.D
Acq On : 15 Jul 2025 13:35
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

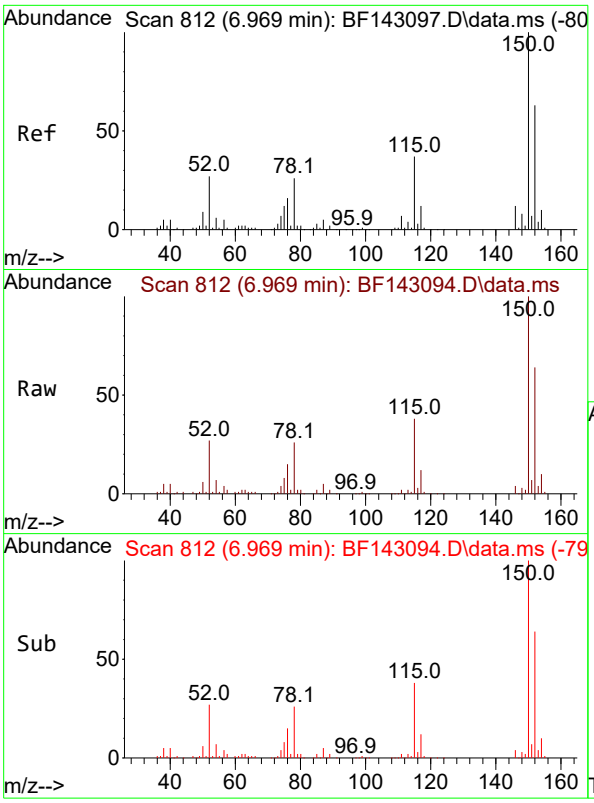
Quant Time: Jul 15 17:37:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

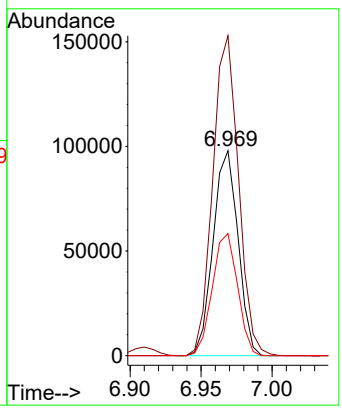





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:152 Resp: 11952

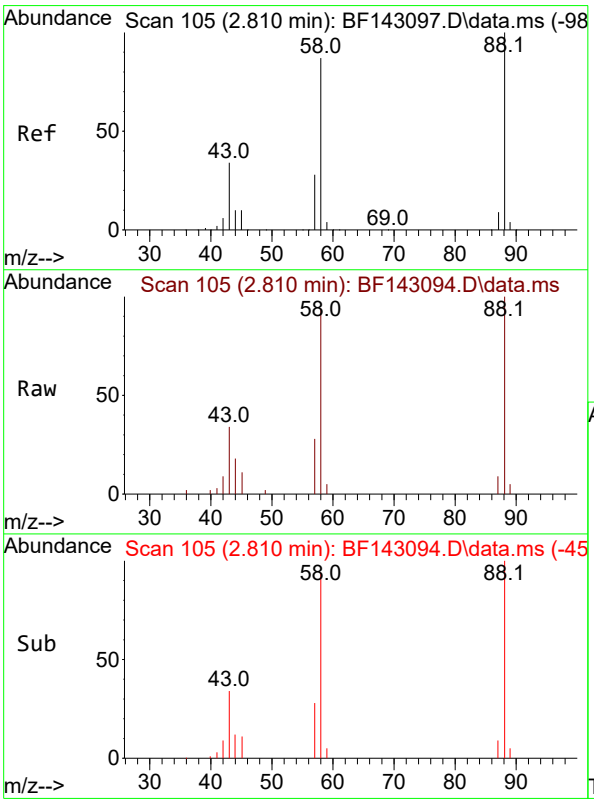
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.2 | 126.5 | 189.7 |
| 115 | 59.5 | 47.0 | 70.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

**Manual Integrations**
**APPROVED**

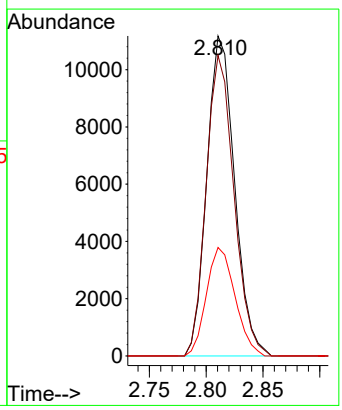
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

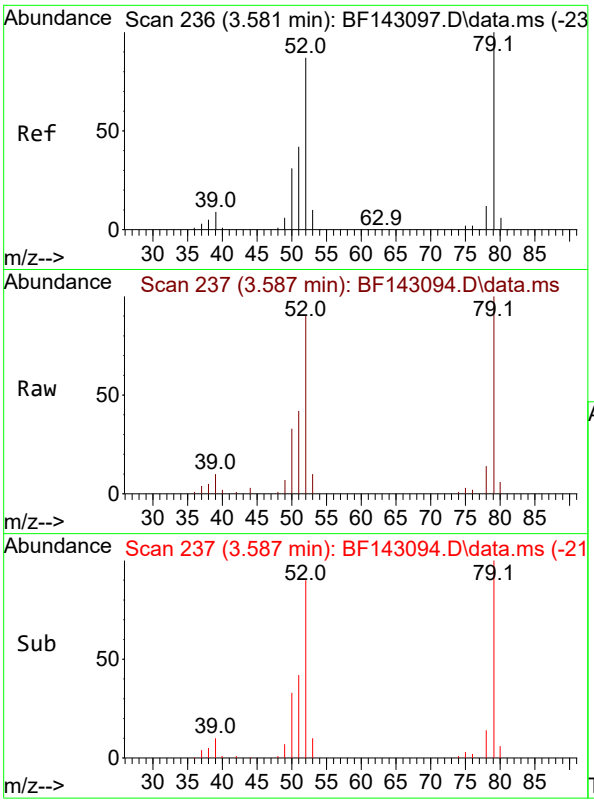



#2
1,4-Dioxane
Concen: 5.052 ng
RT: 2.810 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 88 Resp: 19027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 94.1 | 70.5 | 105.7 |
| 43 | 34.9 | 27.3 | 40.9 |

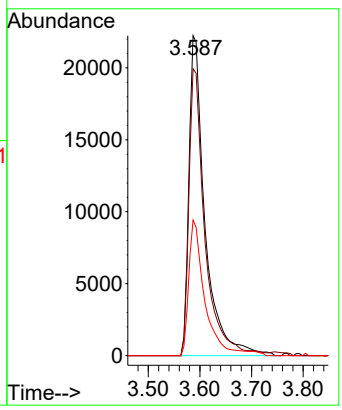





#3
Pyridine
Concen: 5.034 ng
RT: 3.587 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 79 Resp: 4800

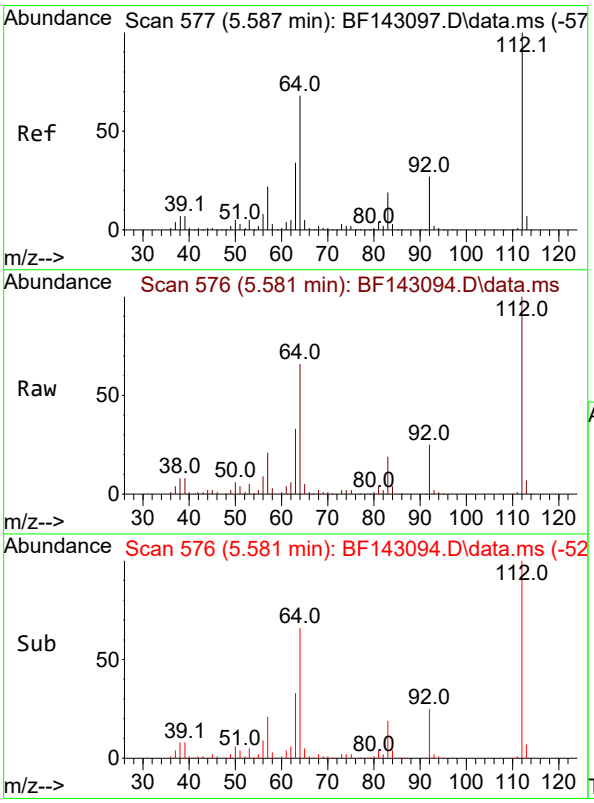
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 89.6 | 69.2 | 103.8 |
| 51 | 42.3 | 33.3 | 49.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

**Manual Integrations**
**APPROVED**

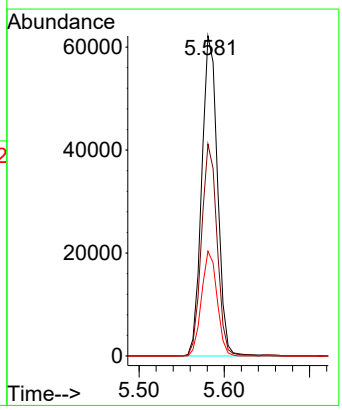
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

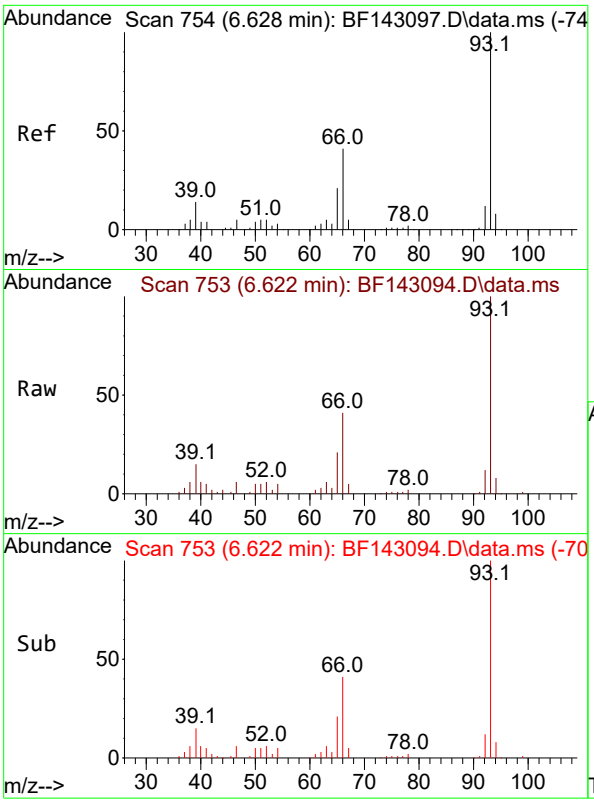



#5
2-Fluorophenol
Concen: 10.540 ng
RT: 5.581 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:112 Resp: 79738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 66.2 | 54.6 | 82.0 |
| 63 | 32.8 | 27.3 | 40.9 |

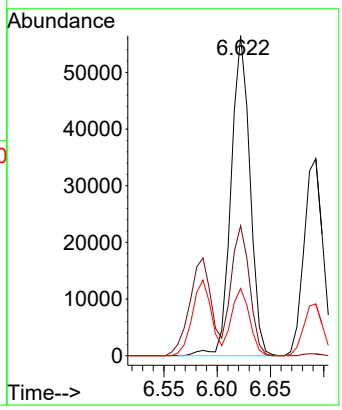





#6
Aniline
Concen: 5.198 ng
RT: 6.622 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 93 Resp: 6961

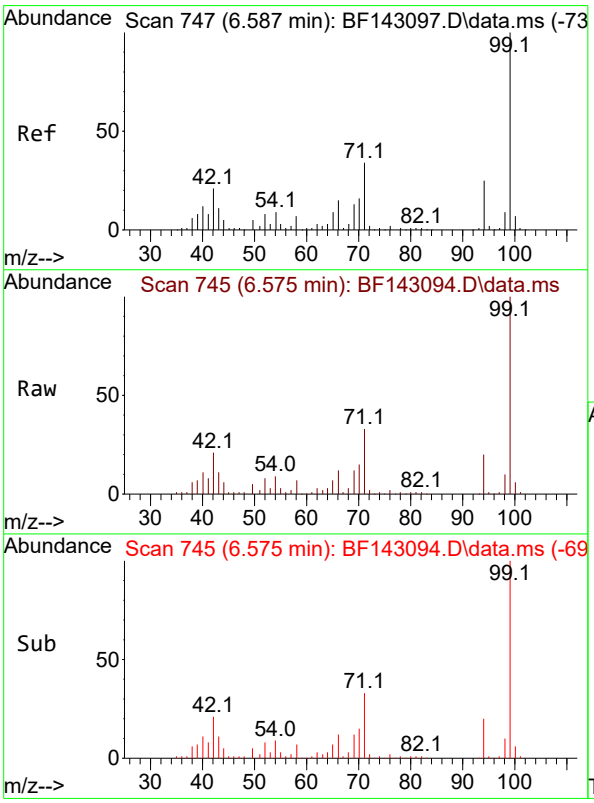
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 40.6 | 33.1 | 49.7 |
| 65 | 21.0 | 16.9 | 25.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

**Manual Integrations APPROVED**

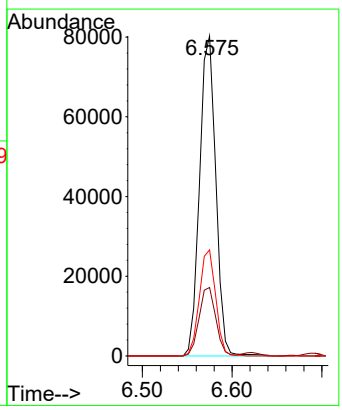
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

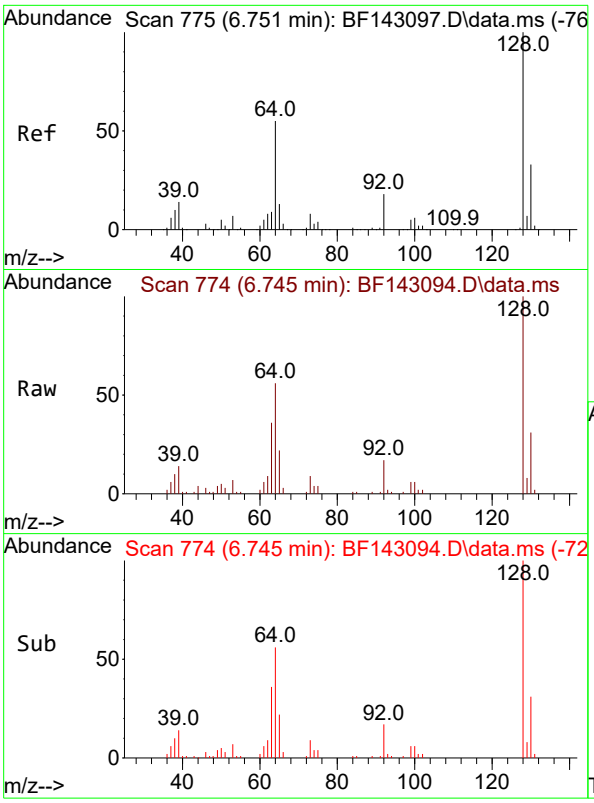



#7
Phenol-d6
Concen: 10.590 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 99 Resp: 100706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.4 | 17.2 | 25.8 |
| 71 | 33.2 | 27.4 | 41.0 |

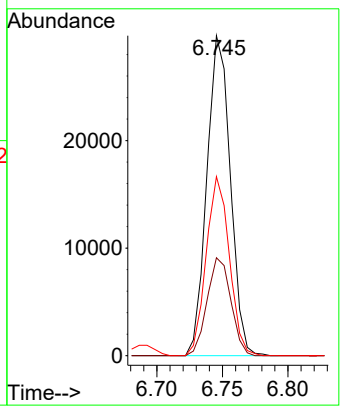





#8
2-Chlorophenol
Concen: 4.871 ng
RT: 6.745 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:128 Resp: 3702

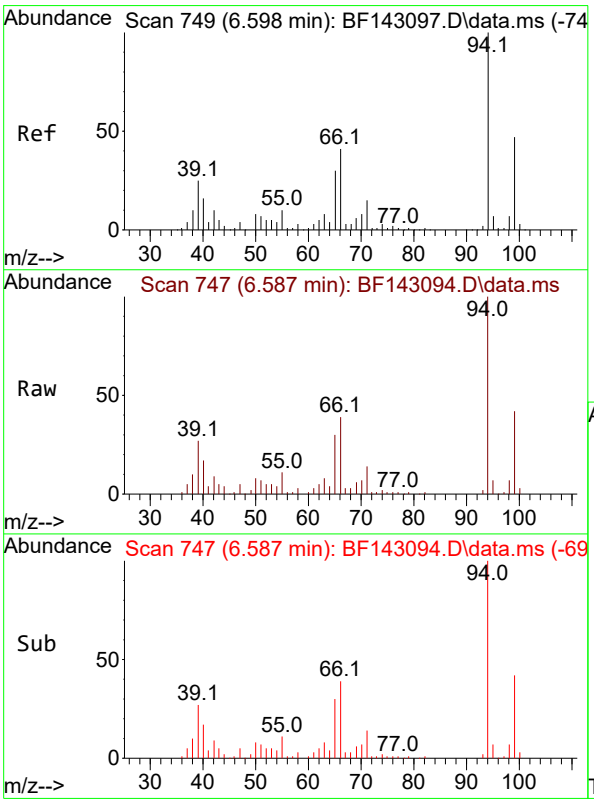
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 30.6 | 12.8 | 52.8 |
| 64 | 55.9 | 36.1 | 76.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

**Manual Integrations**
**APPROVED**

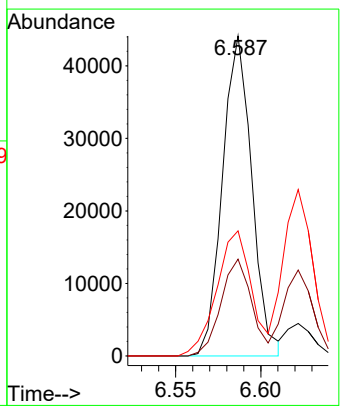
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

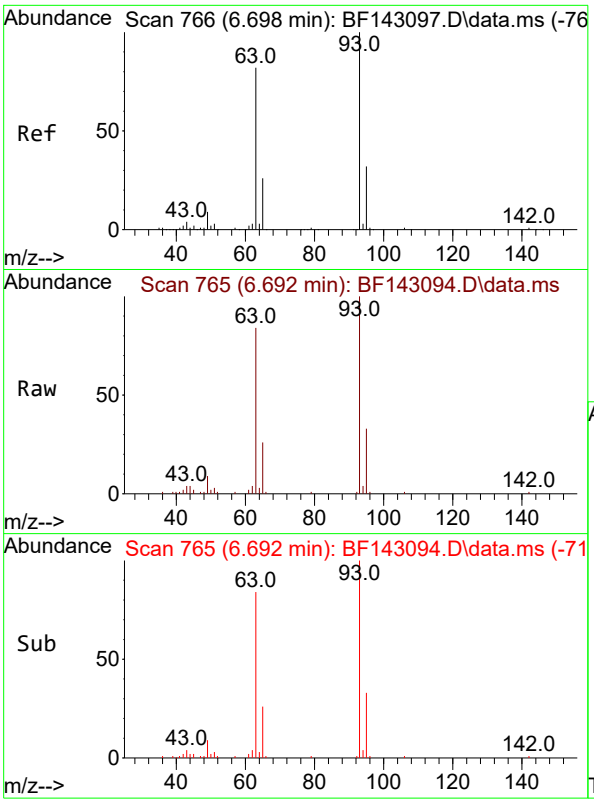



#10
Phenol
Concen: 5.127 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 94 Resp: 52784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 30.3 | 9.8 | 49.8 |
| 66 | 39.1 | 20.5 | 60.5 |

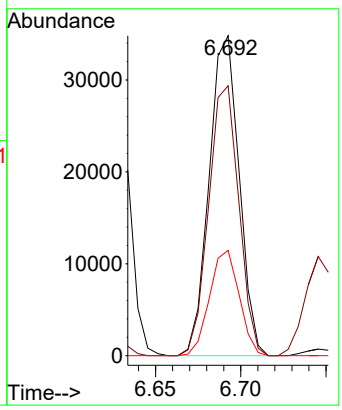





#11
bis(2-Chloroethyl)ether
Concen: 5.342 ng
RT: 6.692 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 93 Resp: 4257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 84.4 | 61.9 | 101.9 |
| 95 | 32.9 | 12.2 | 52.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :Rahul Chavli 07/16/2025
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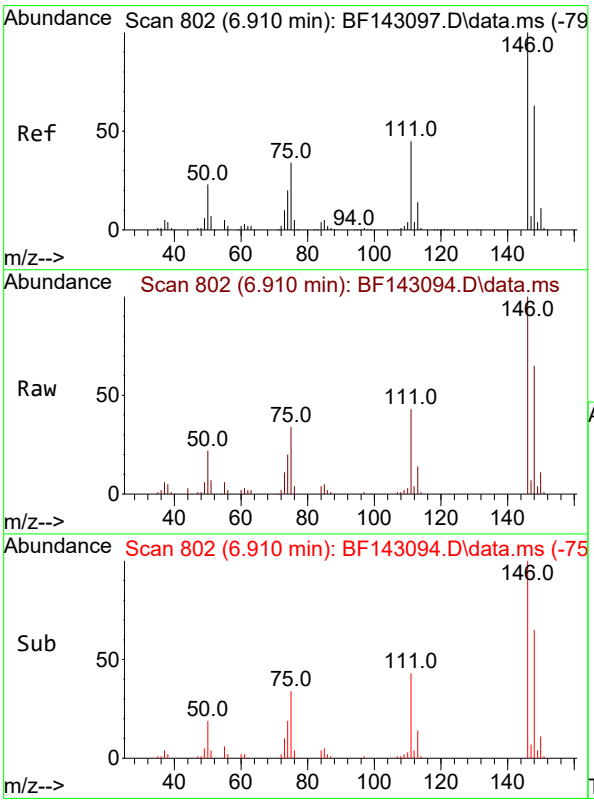
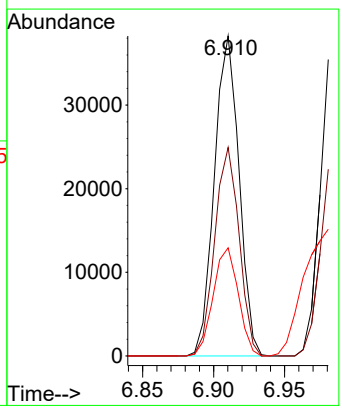
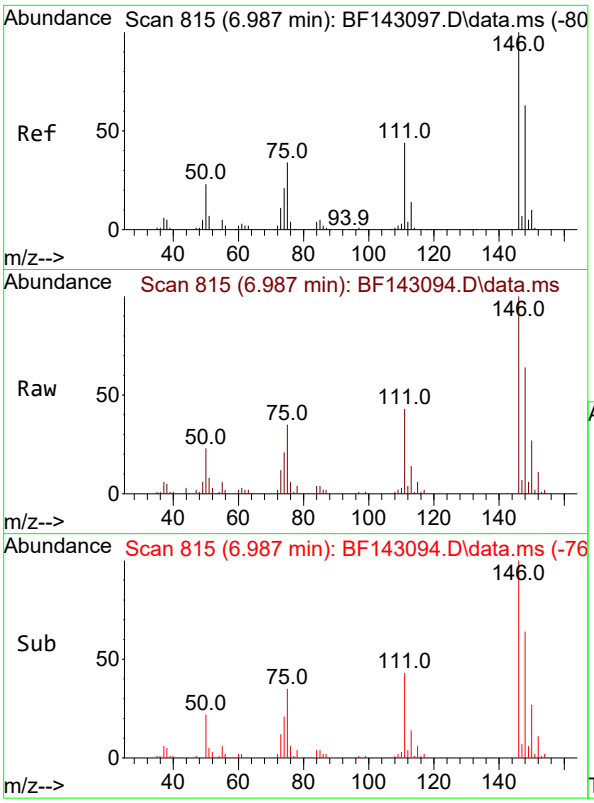



#12
1,3-Dichlorobenzene
Concen: 5.382 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:146 Resp: 46218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.2 | 50.1 | 75.1 |
| 75 | 33.8 | 27.4 | 41.0 |

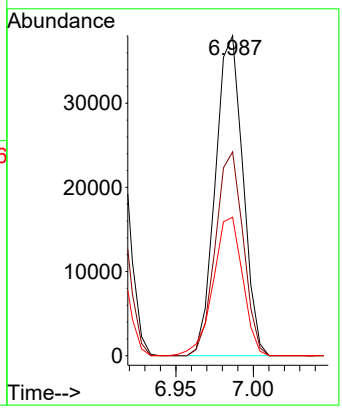





#13
1,4-Dichlorobenzene
Concen: 5.431 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:146 Resp: 4691

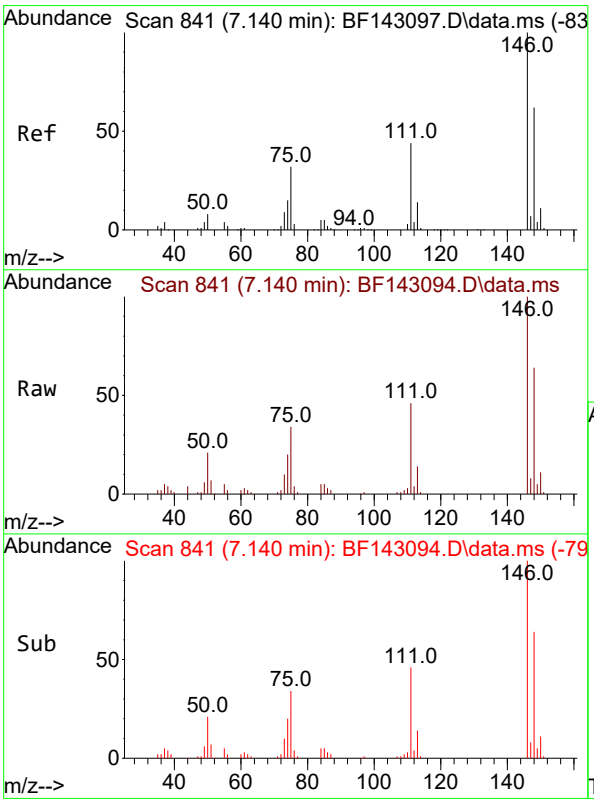
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.7 | 50.6 | 76.0 |
| 111 | 43.3 | 35.0 | 52.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

**Manual Integrations APPROVED**

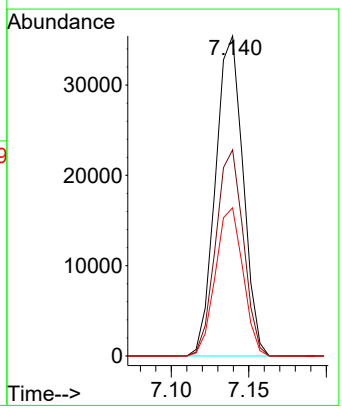
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

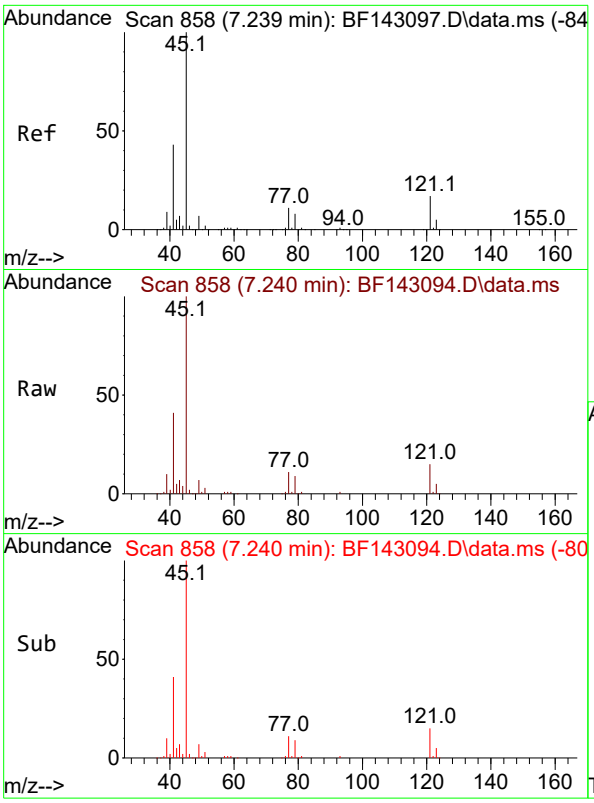



#14
1,2-Dichlorobenzene
Concen: 5.323 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:146 Resp: 43854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 49.8 | 74.6 |
| 111 | 46.3 | 35.4 | 53.0 |

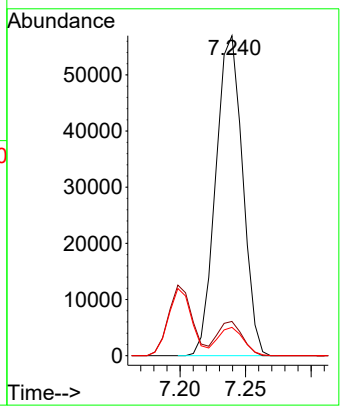





#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.518 ng
RT: 7.240 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 45 Resp: 8106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 10.7 | 0.0 | 31.1 |
| 79 | 8.8 | 0.0 | 28.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

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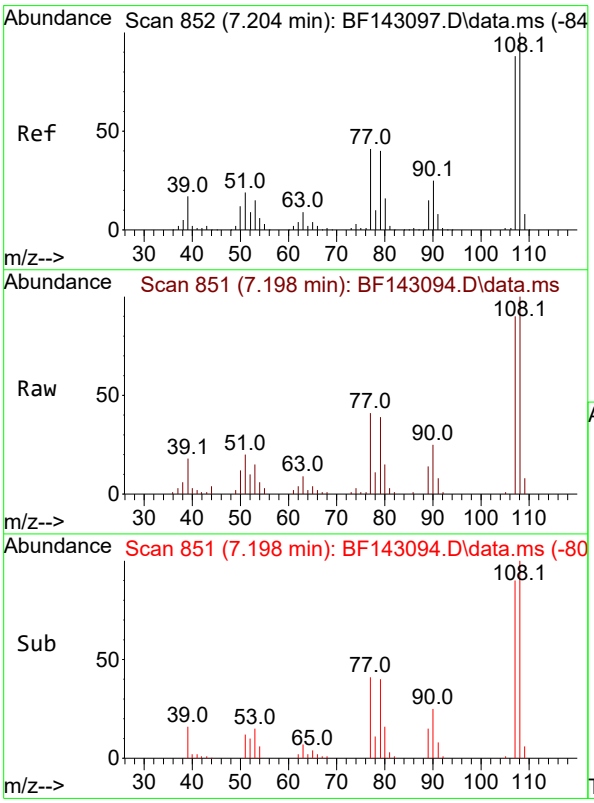
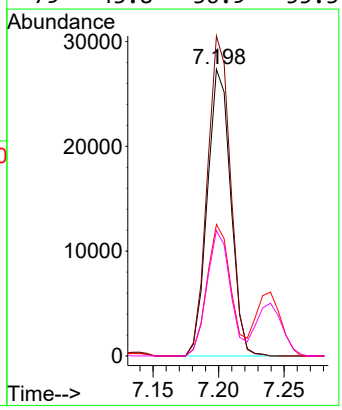
Supervised By :Jagrut Upadhyay 07/16/2025

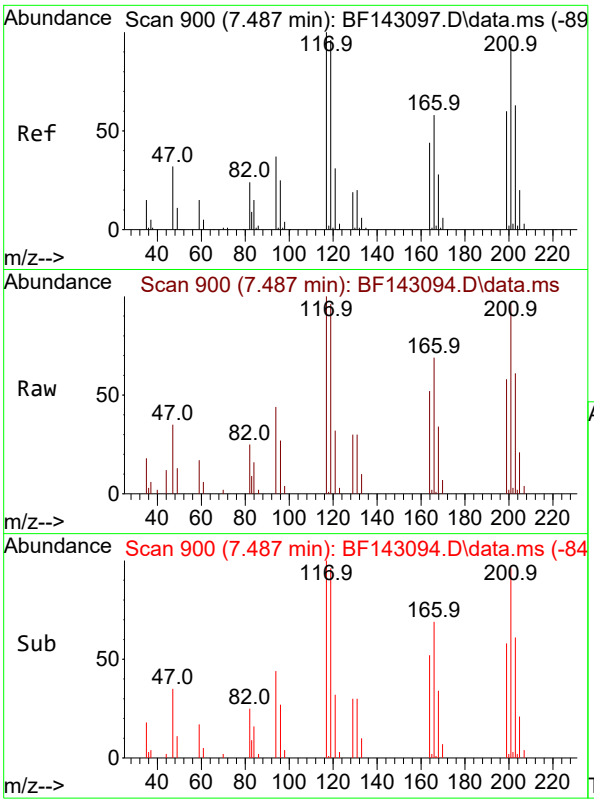



#17
2-Methylphenol
Concen: 5.158 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:107 Resp: 33834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.6 | 90.9 | 136.3 |
| 77 | 45.9 | 37.5 | 56.3 |
| 79 | 43.8 | 36.9 | 55.3 |

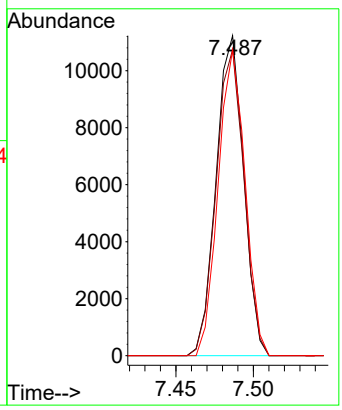





#18
Hexachloroethane
Concen: 4.938 ng
RT: 7.487 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:117 Resp: 1388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.7 | 76.7 | 115.1 |
| 201 | 95.6 | 75.0 | 112.4 |




**Instrument :**
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**ClientSampleId :**
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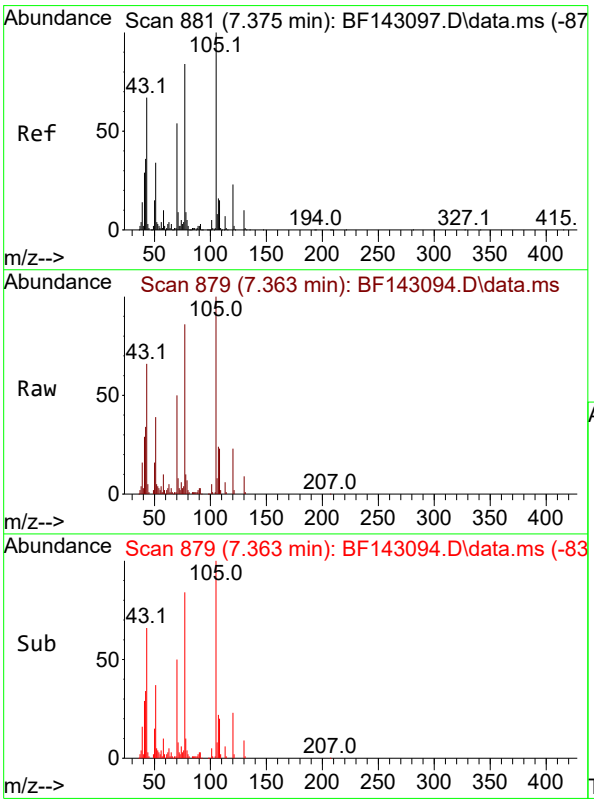
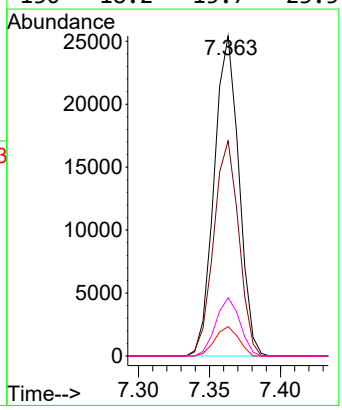
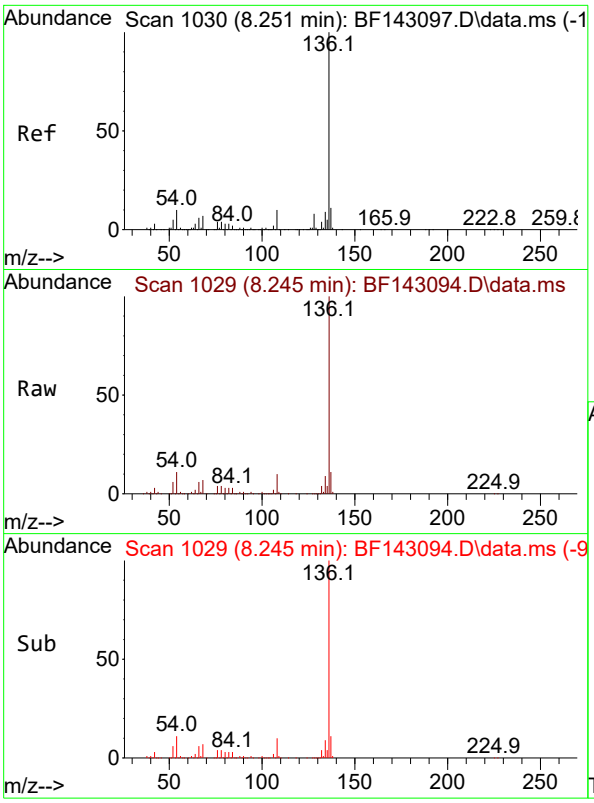



#19
n-Nitroso-di-n-propylamine
Concen: 5.277 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 70 Resp: 30747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 67.2 | 53.2 | 79.8 |
| 101 | 9.1 | 7.5 | 11.3 |
| 130 | 18.2 | 15.7 | 23.5 |

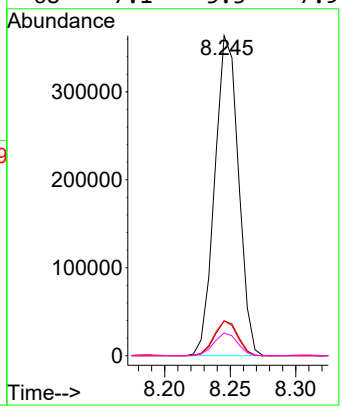





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:136 Resp: 45644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.9 | 13.3 |
| 54 | 10.9 | 8.3 | 12.5 |
| 68 | 7.1 | 5.3 | 7.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

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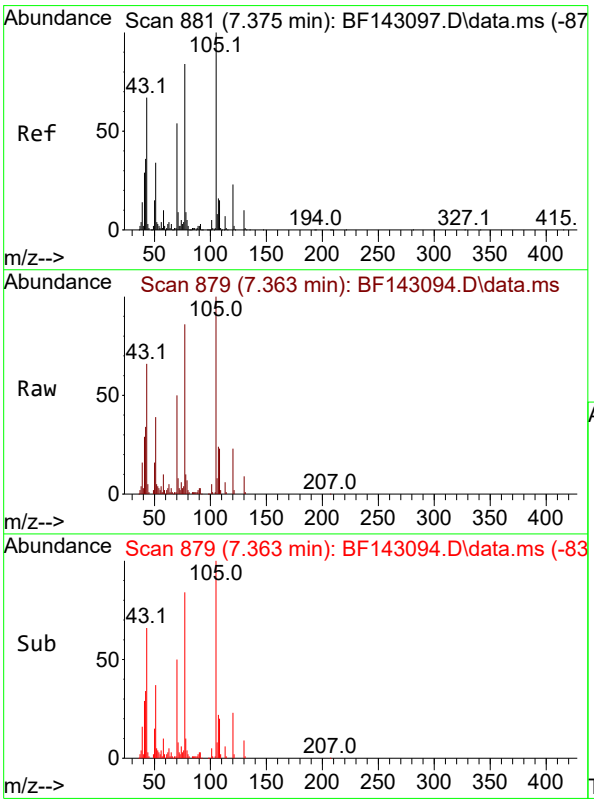
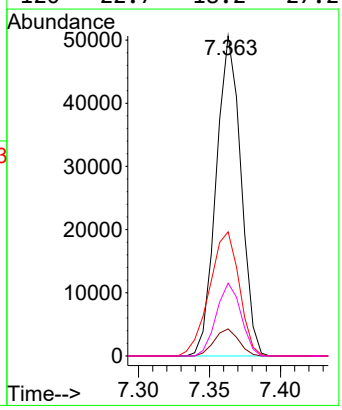
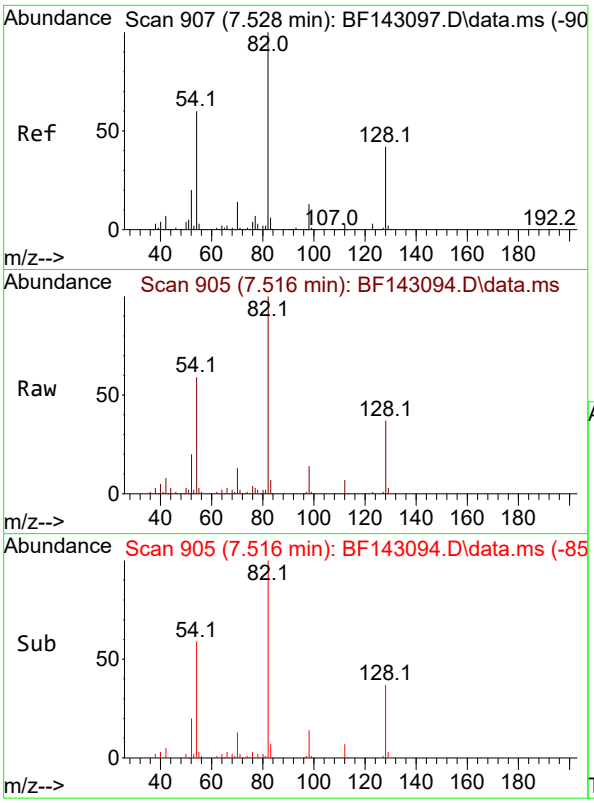



#22
Acetophenone
Concen: 5.580 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:105 Resp: 61393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.5 | 7.2 | 10.8 |
| 51 | 38.8 | 27.0 | 40.4 |
| 120 | 22.7 | 18.2 | 27.2 |

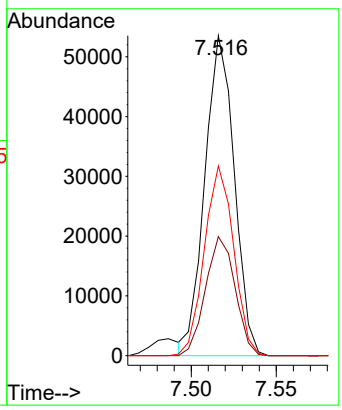





#23
Nitrobenzene-d5
Concen: 7.927 ng m
RT: 7.516 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 82 Resp: 6450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 37.2 | 33.3 | 49.9 |
| 54 | 59.3 | 47.4 | 71.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

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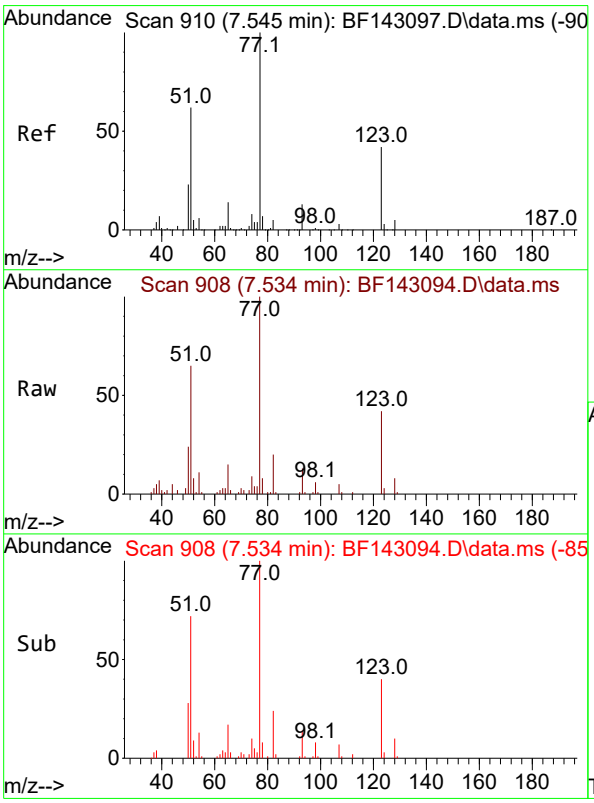
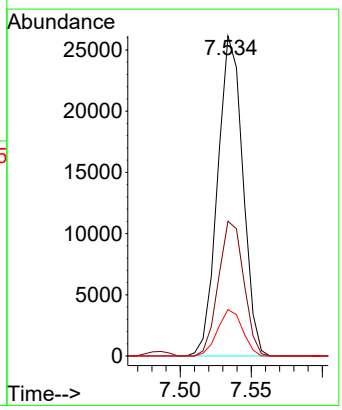
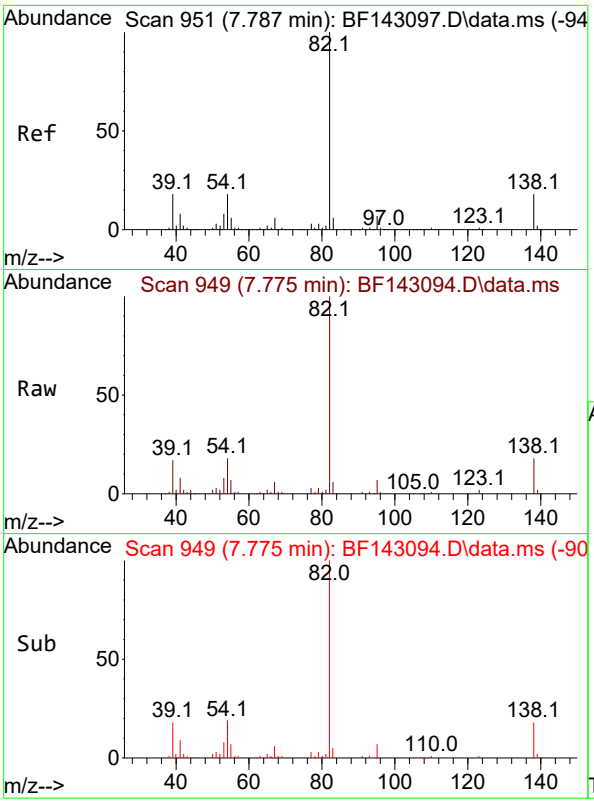



#24
Nitrobenzene
Concen: 4.100 ng
RT: 7.534 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 77 Resp: 32206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 42.1 | 34.5 | 51.7 |
| 65 | 14.5 | 11.3 | 16.9 |

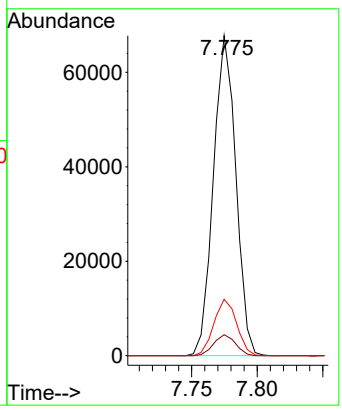





#25
Isophorone
Concen: 5.118 ng
RT: 7.775 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 82 Resp: 8049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.6 | 5.6 | 8.4 |
| 138 | 17.6 | 14.3 | 21.5 |




**Instrument :**
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**ClientSampleId :**
SSTDICC005

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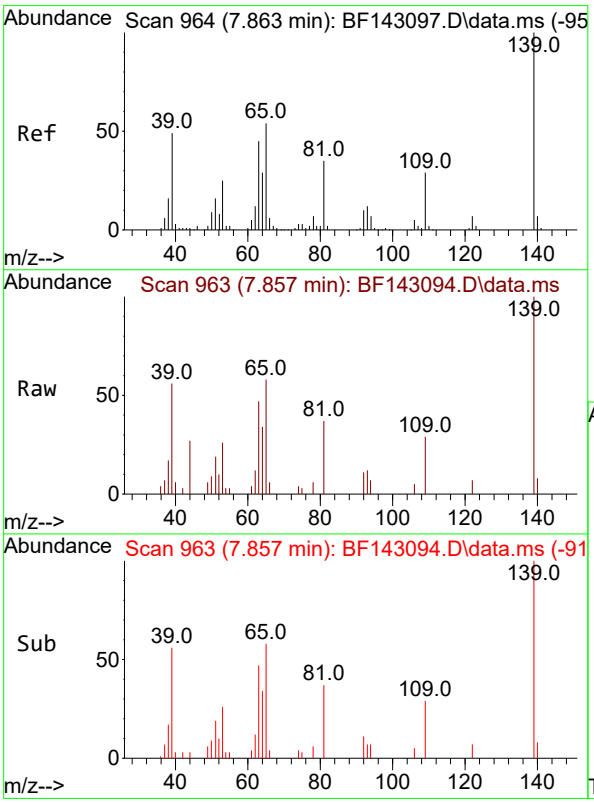
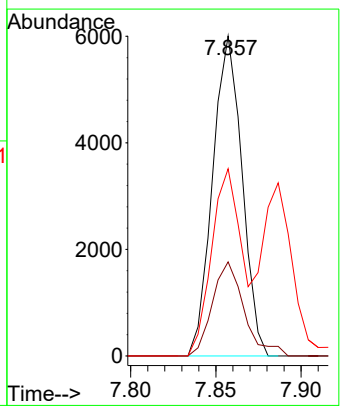
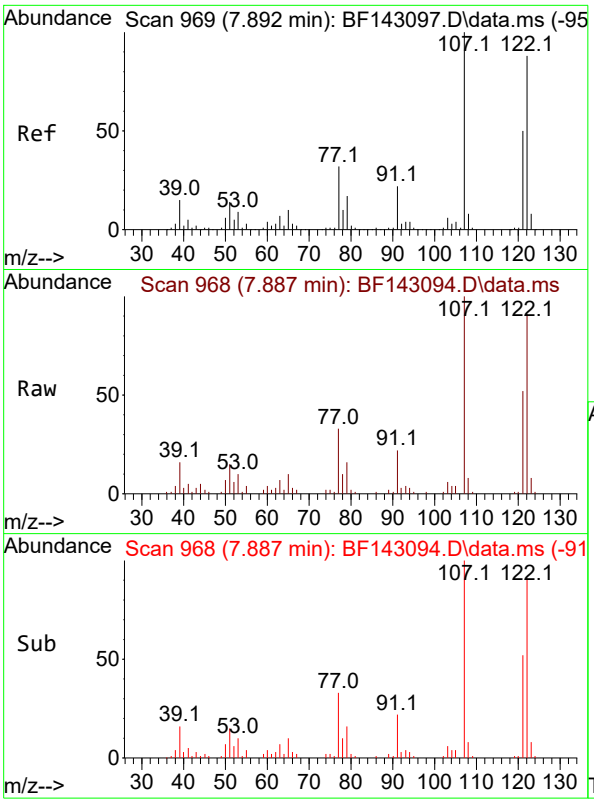



#26
2-Nitrophenol
Concen: 6.037 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:139 Resp: 7204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 29.4 | 23.4 | 35.0 |
| 65 | 58.5 | 43.4 | 65.2 |

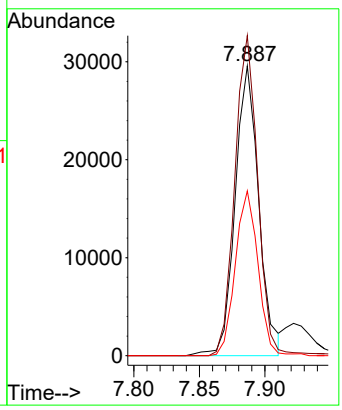





#27
2,4-Dimethylphenol
Concen: 5.082 ng
RT: 7.887 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:122 Resp: 3709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 110.4 | 91.3 | 136.9 |
| 121 | 56.9 | 45.5 | 68.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

**Manual Integrations**
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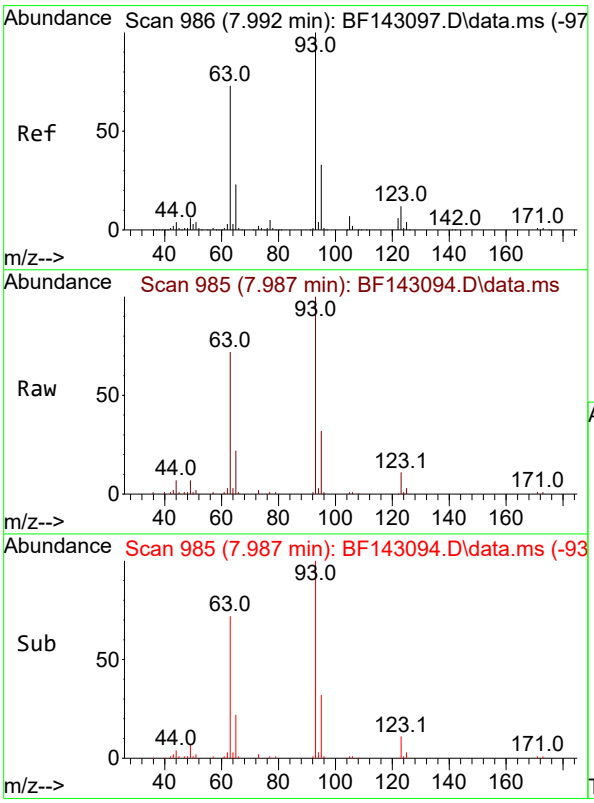
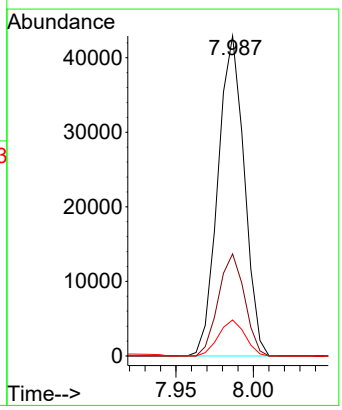
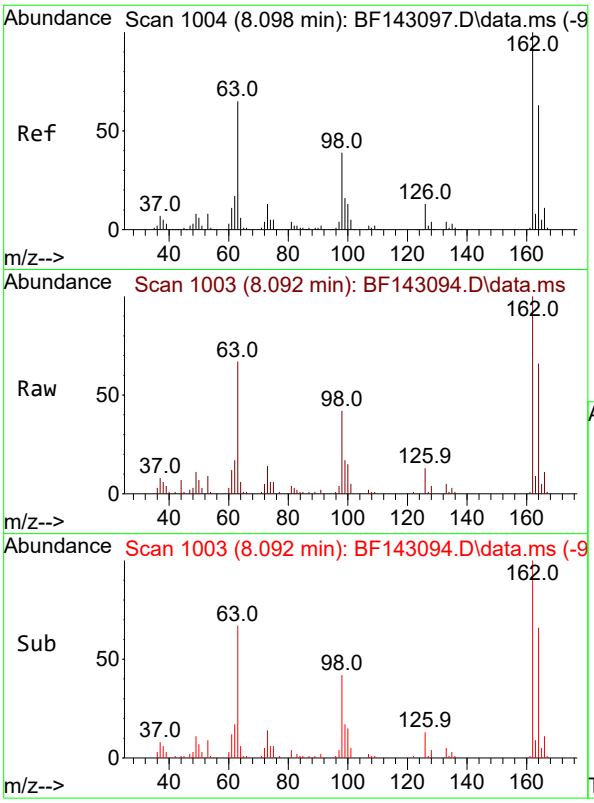



#28
bis(2-Chloroethoxy)methane
Concen: 5.310 ng
RT: 7.987 min Scan# 985
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 93 Resp: 50637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 31.9 | 26.2 | 39.4 |
| 123 | 11.2 | 9.6 | 14.4 |

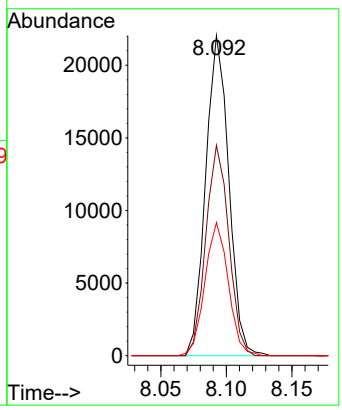





#29
2,4-Dichlorophenol
Concen: 4.529 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:162 Resp: 2704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 65.7 | 43.1 | 83.1 |
| 98 | 41.6 | 19.2 | 59.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

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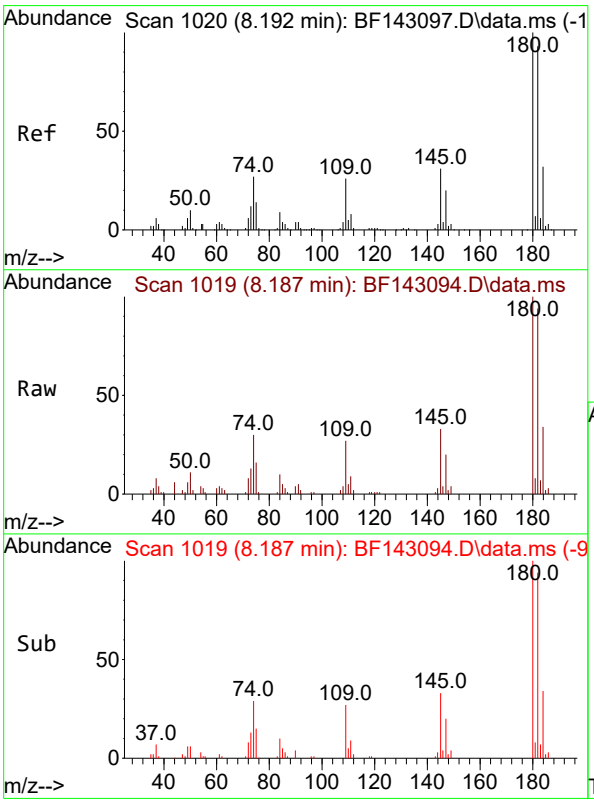
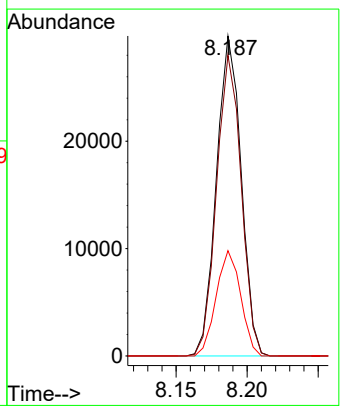
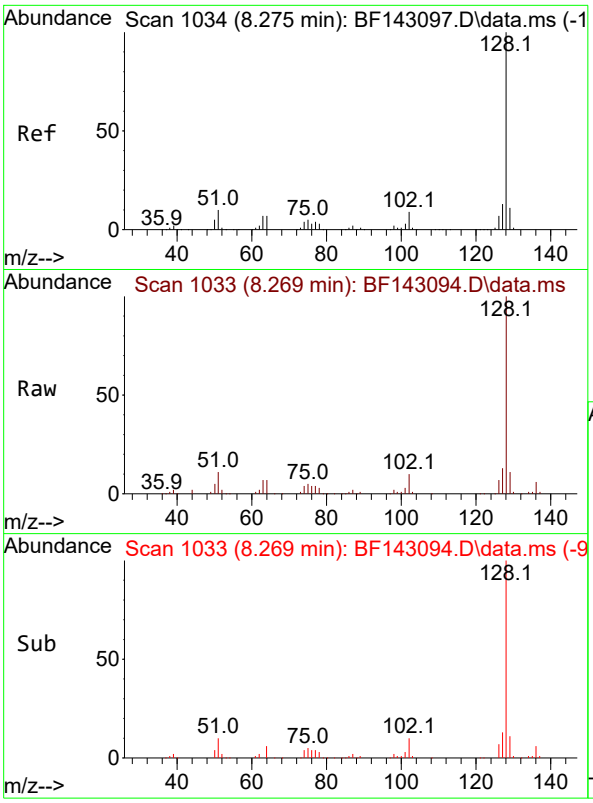



#30
1,2,4-Trichlorobenzene
Concen: 5.315 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:180 Resp: 36023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.9 | 74.7 | 112.1 |
| 145 | 32.9 | 24.5 | 36.7 |

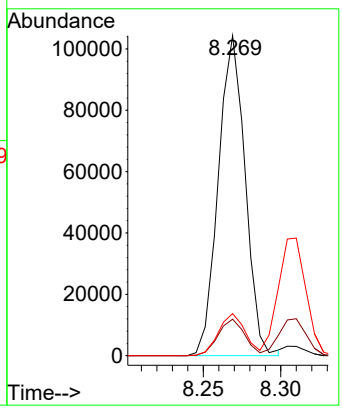





#31
Naphthalene
Concen: 5.535 ng
RT: 8.269 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:128 Resp: 12546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.4 | 9.0 | 13.4 |
| 127 | 13.2 | 10.5 | 15.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

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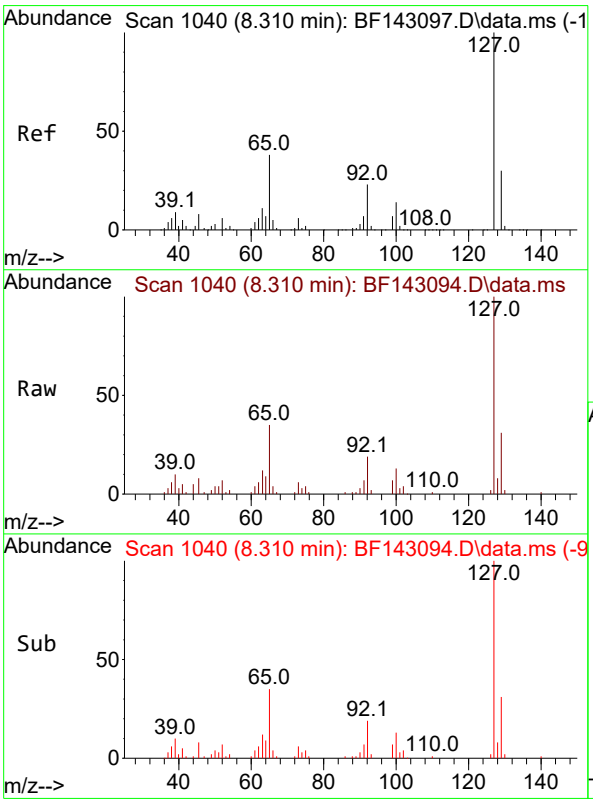
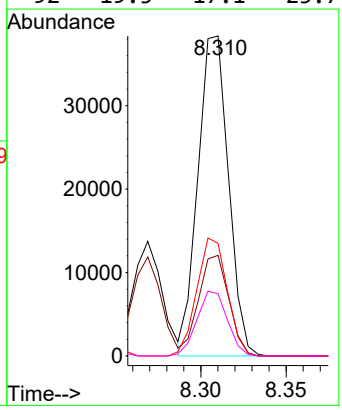
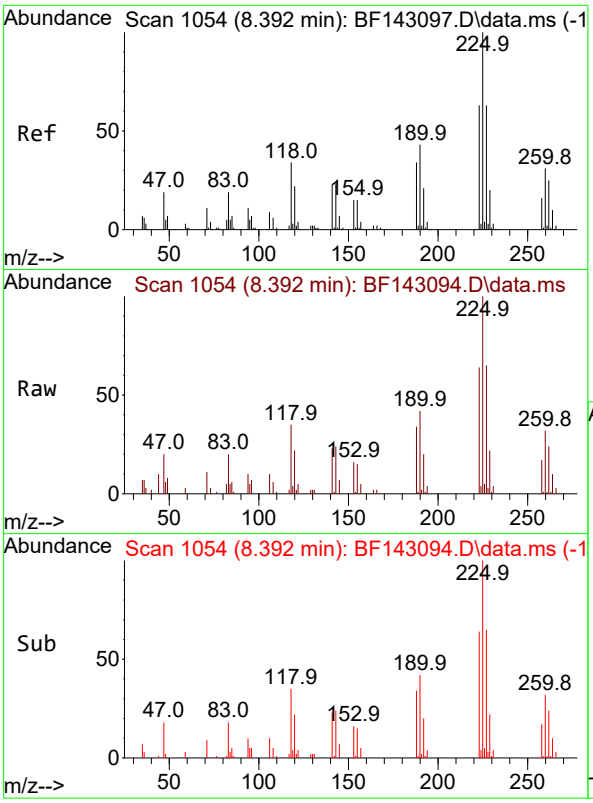



#33
4-Chloroaniline
Concen: 5.260 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:127 Resp: 47947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.4 | 26.2 | 39.4 |
| 65 | 35.2 | 28.6 | 42.8 |
| 92 | 19.5 | 17.1 | 25.7 |

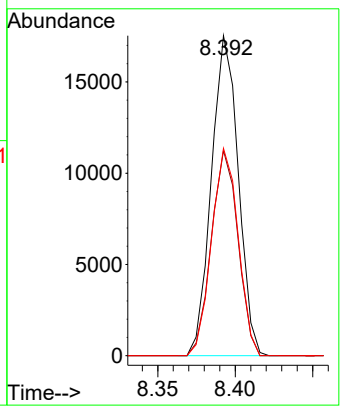





#34
Hexachlorobutadiene
Concen: 5.207 ng
RT: 8.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:225 Resp: 2110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.1 | 50.3 | 75.5 |
| 227 | 64.8 | 50.1 | 75.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

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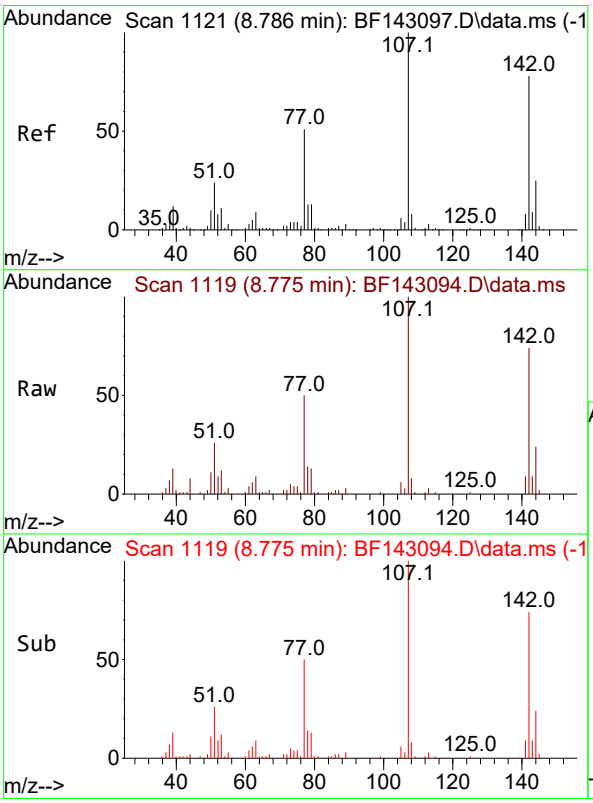
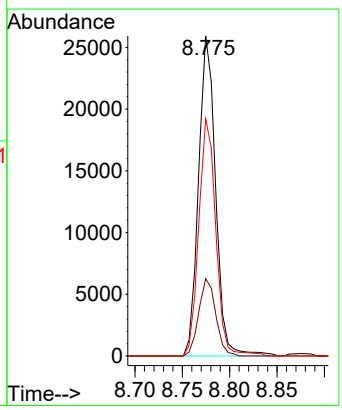
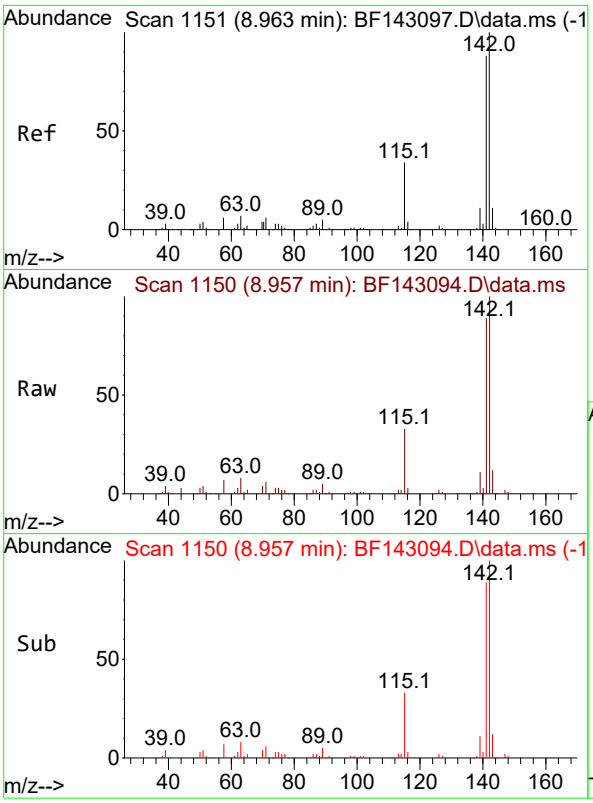



#36
4-Chloro-3-methylphenol
Concen: 4.892 ng
RT: 8.775 min Scan# 1119
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:107 Resp: 32542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.1 | 20.2 | 30.2 |
| 142 | 74.1 | 62.4 | 93.6 |

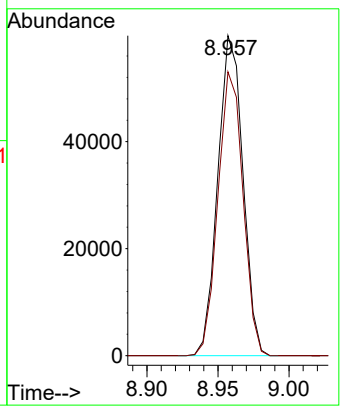





#37
2-Methylnaphthalene
Concen: 5.436 ng
RT: 8.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:142 Resp: 7351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.7 | 70.2 | 105.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

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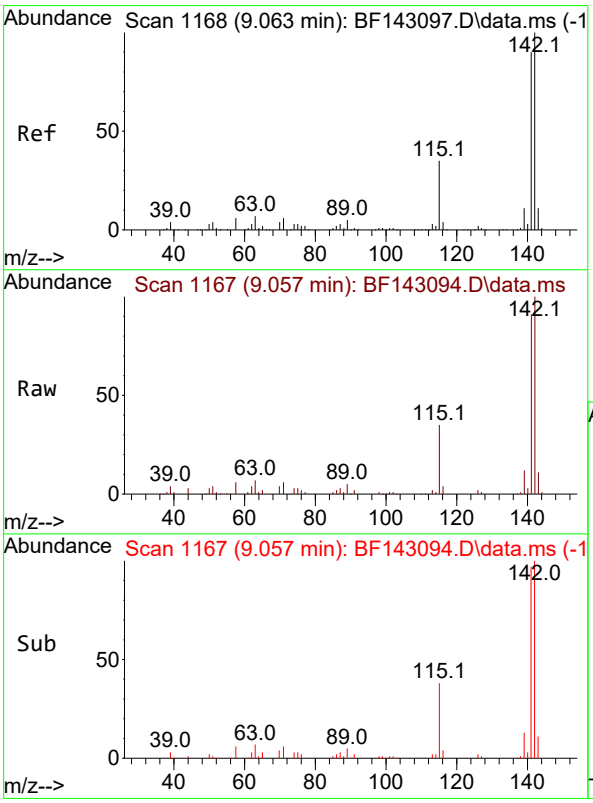
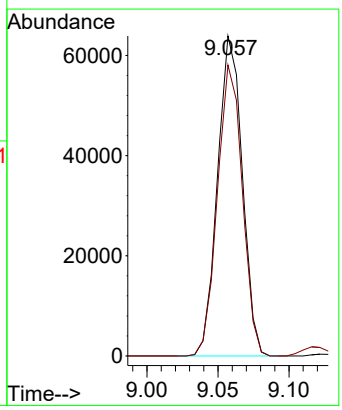
Supervised By :Jagrut Upadhyay 07/16/2025

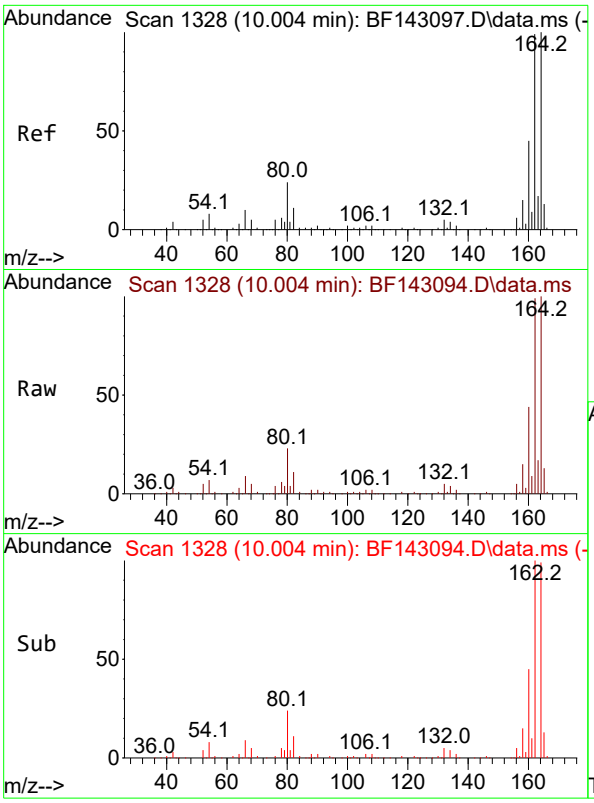



#38
1-Methylnaphthalene
Concen: 5.518 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:142 Resp: 77390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.9 | 72.2 | 108.4 |

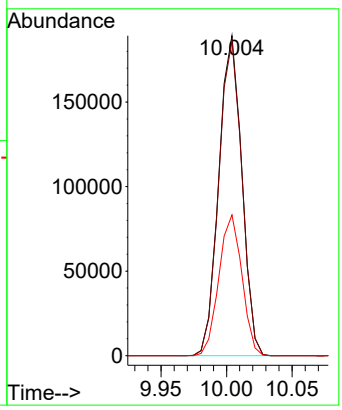





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:164 Resp: 23097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.5 | 79.0 | 118.6 |
| 160 | 44.0 | 35.8 | 53.6 |




**Instrument :**
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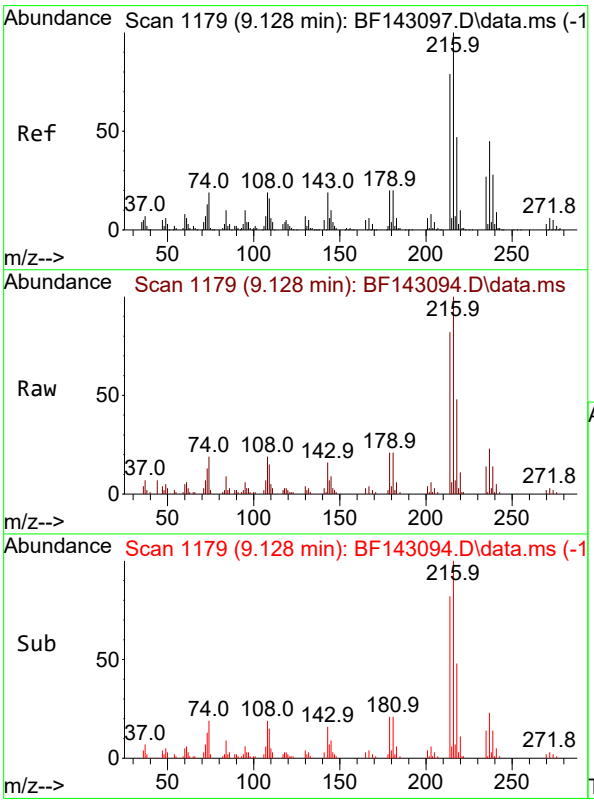
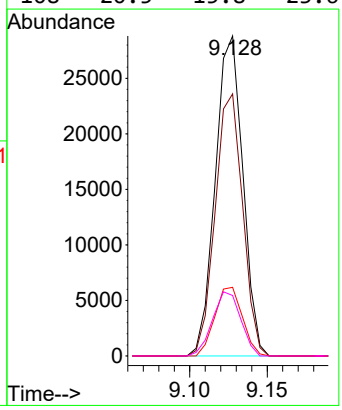
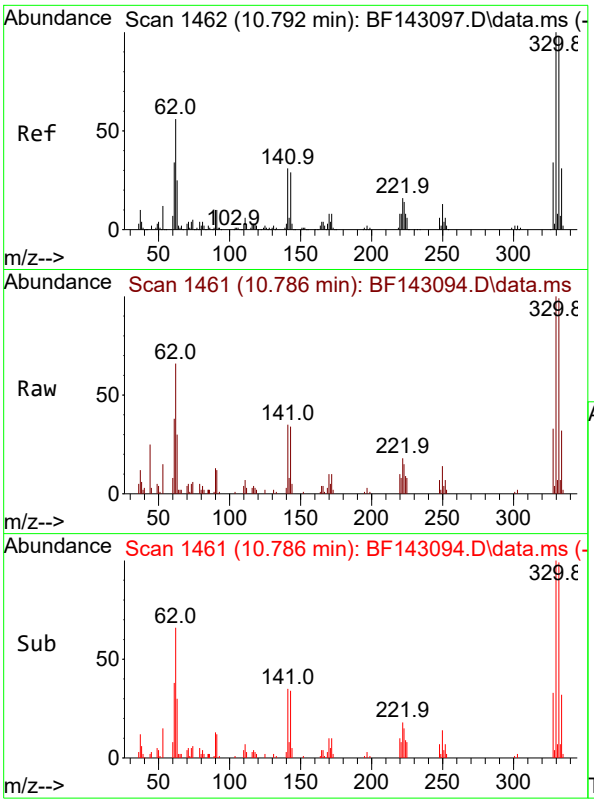



#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.286 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:216 Resp: 35579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 81.8 | 62.6 | 94.0 |
| 179 | 21.6 | 16.2 | 24.2 |
| 108 | 20.5 | 15.8 | 23.6 |

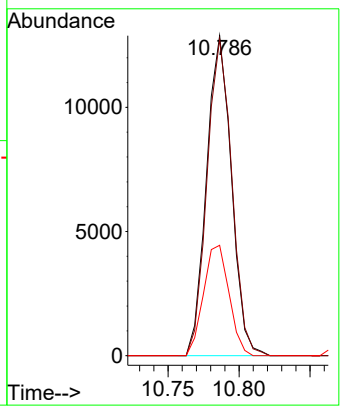





#42
2,4,6-Tribromophenol
Concen: 7.625 ng
RT: 10.786 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:330 Resp: 1570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.4 | 77.9 | 116.9 |
| 141 | 35.3 | 25.9 | 38.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

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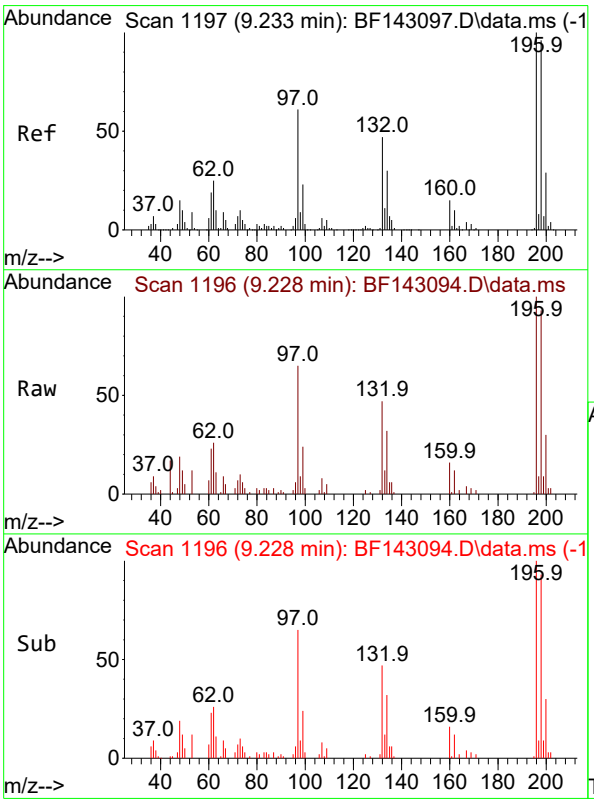
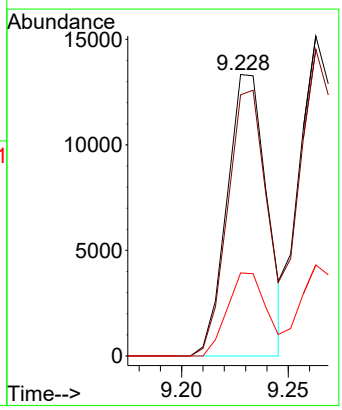
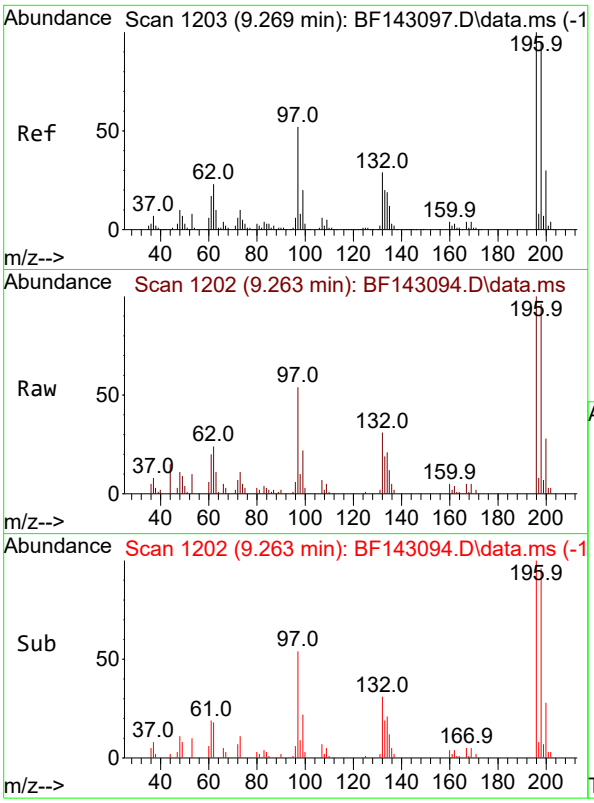



#43
2,4,6-Trichlorophenol
Concen: 4.135 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:196 Resp: 17295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 92.8 | 76.9 | 115.3 |
| 200 | 29.5 | 23.5 | 35.3 |

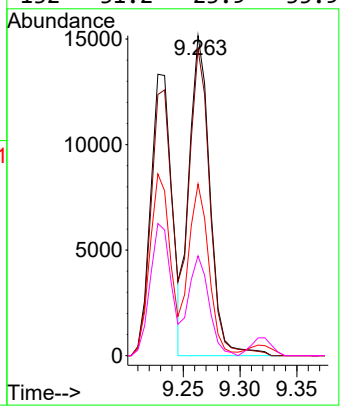





#44
2,4,5-Trichlorophenol
Concen: 4.427 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:196 Resp: 1941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.9 | 76.4 | 114.6 |
| 97 | 53.7 | 42.4 | 63.6 |
| 132 | 31.2 | 23.9 | 35.9 |




**Instrument :**
BNA_F
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SSTDICC005

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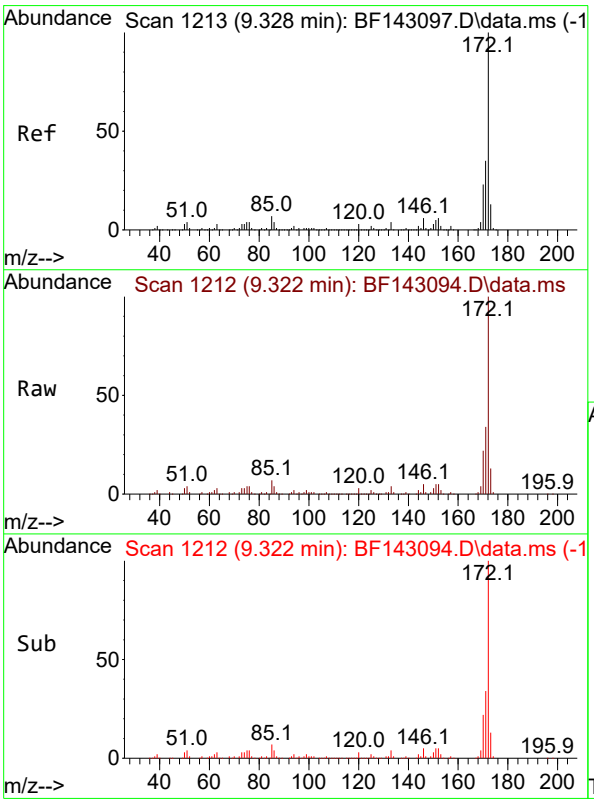
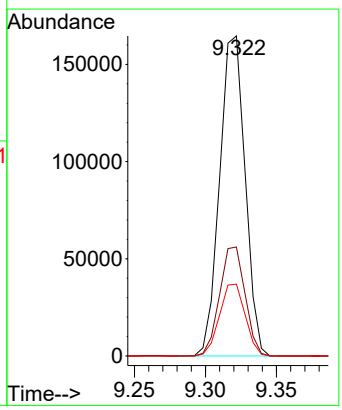
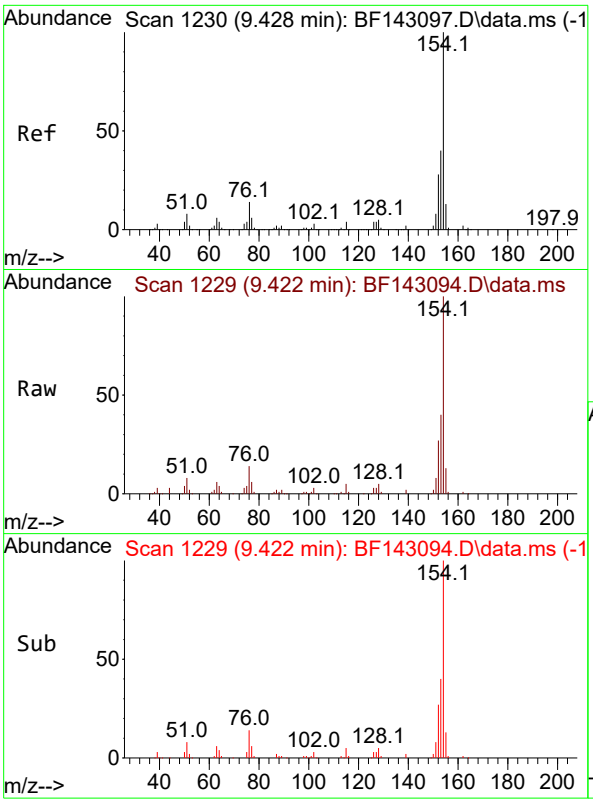



#45
2-Fluorobiphenyl
Concen: 11.814 ng
RT: 9.322 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:172 Resp: 205273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.1 | 28.2 | 42.4 |
| 170 | 22.5 | 18.6 | 28.0 |

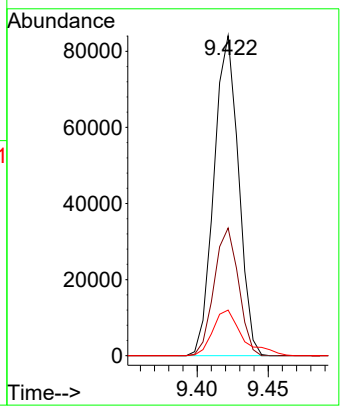





#46
1,1'-Biphenyl
Concen: 5.486 ng
RT: 9.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:154 Resp: 10105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.9 | 20.1 | 60.1 |
| 76 | 14.2 | 0.0 | 33.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

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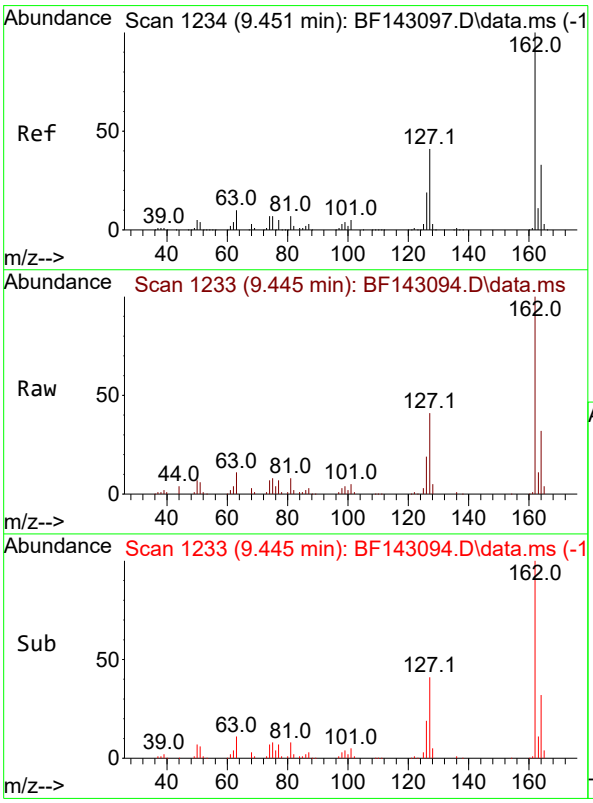
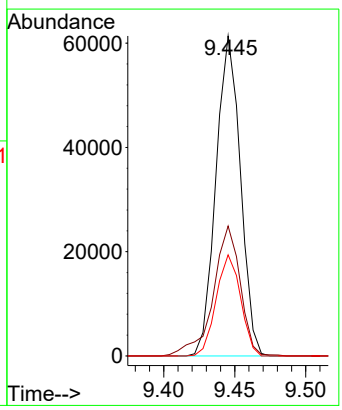
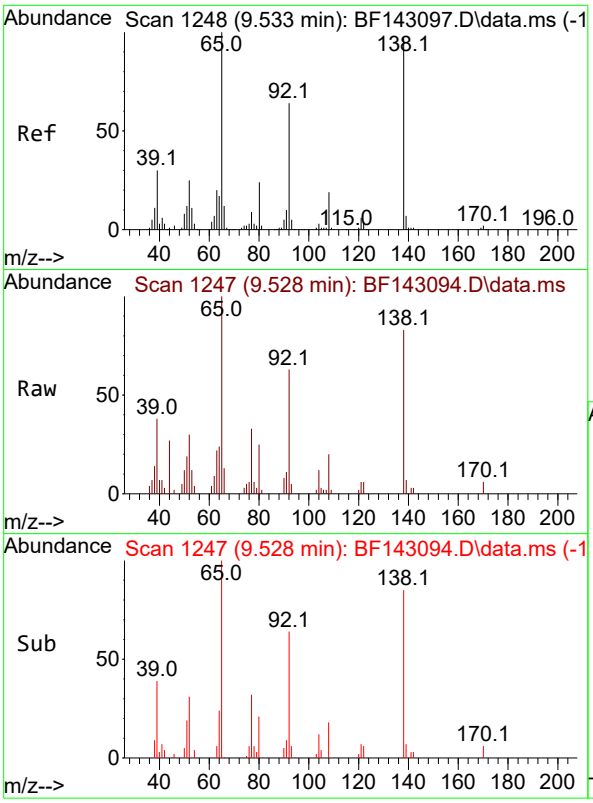



#47
2-Chloronaphthalene
Concen: 5.423 ng
RT: 9.445 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:162 Resp: 73385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 40.6 | 33.0 | 49.6 |
| 164 | 31.6 | 26.1 | 39.1 |

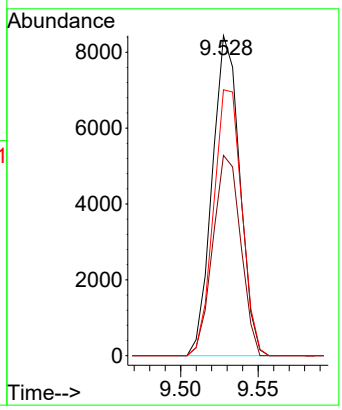





#48
2-Nitroaniline
Concen: 5.579 ng
RT: 9.528 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 65 Resp: 1039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 62.6 | 51.3 | 76.9 |
| 138 | 83.1 | 77.8 | 116.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

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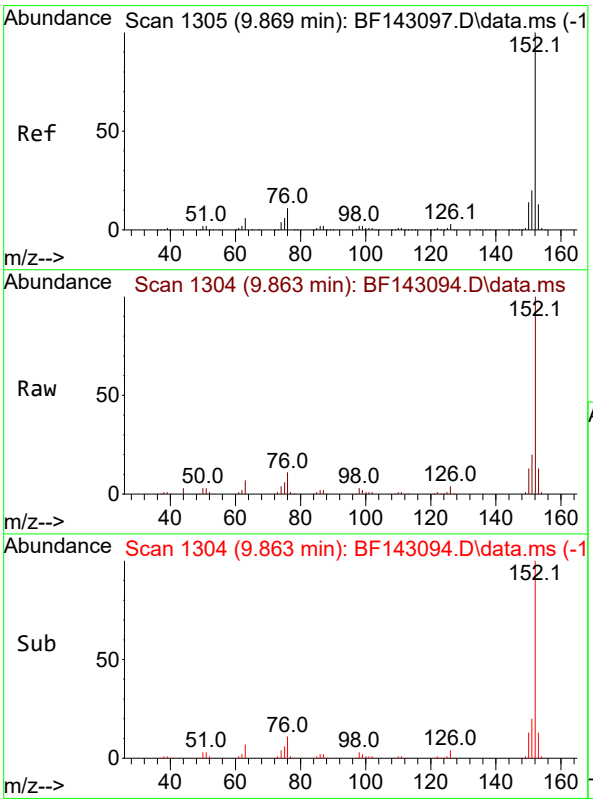
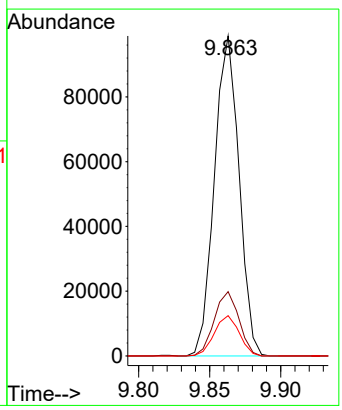
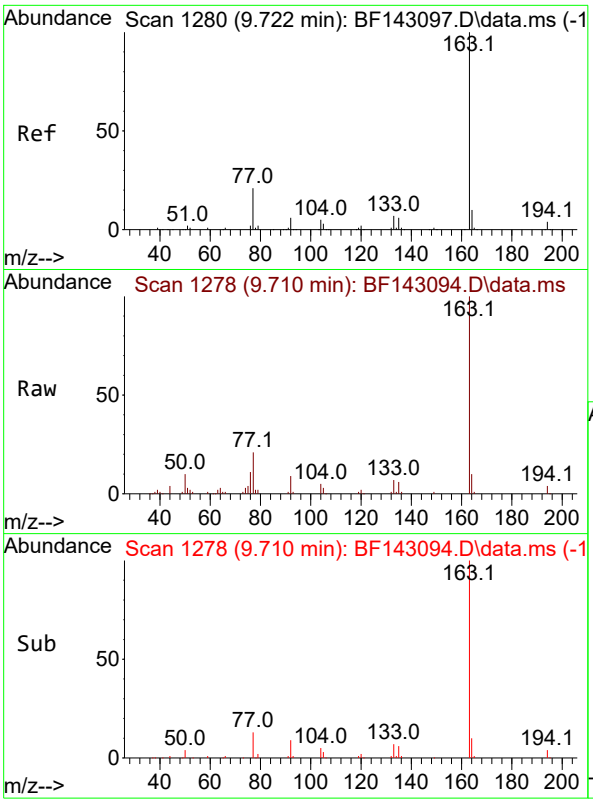



#49
Acenaphthylene
Concen: 5.276 ng
RT: 9.863 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:152 Resp: 118965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 15.8 | 23.8 |
| 153 | 12.6 | 10.4 | 15.6 |






#50
Dimethylphthalate
Concen: 5.207 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:163 Resp: 7565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.4 | 5.2 |
| 164 | 10.1 | 8.2 | 12.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

**Manual Integrations**
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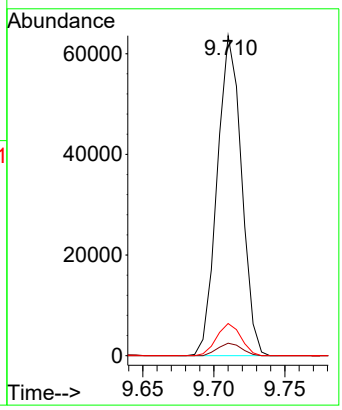
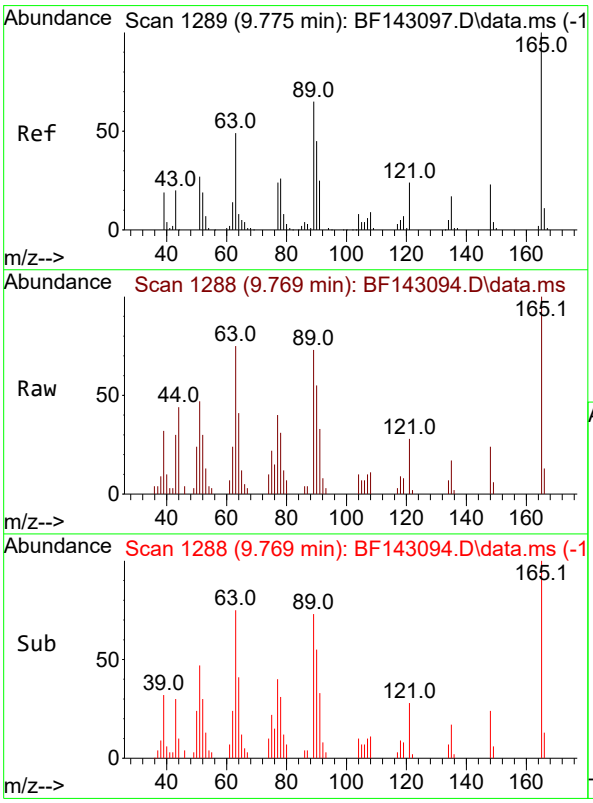
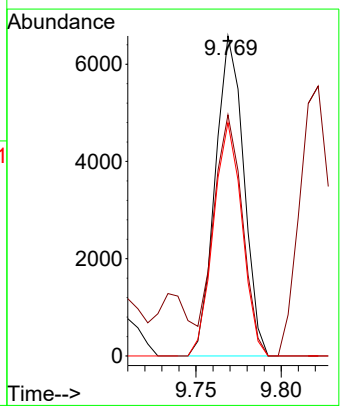


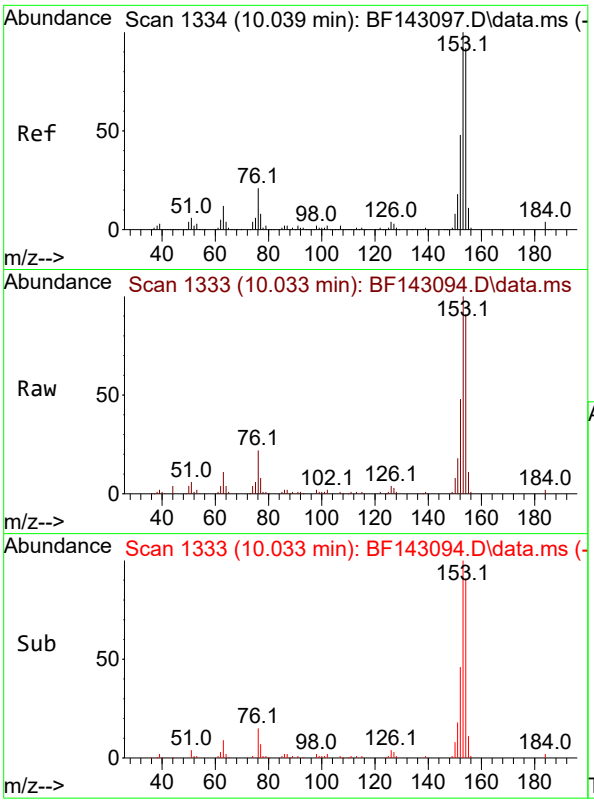




#51
2,6-Dinitrotoluene
Concen: 5.308 ng
RT: 9.769 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:165 Resp: 7659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 75.4 | 57.4 | 86.0 |
| 89 | 72.9 | 51.8 | 77.8 |

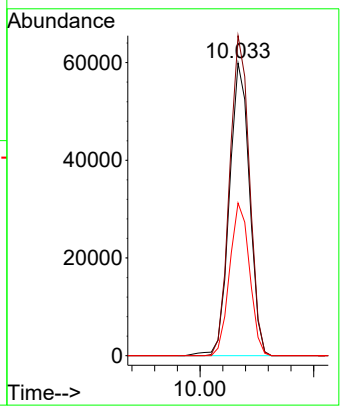





#52
Acenaphthene
Concen: 5.526 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:154 Resp: 7353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 109.4 | 86.7 | 130.1 |
| 152 | 52.2 | 41.4 | 62.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

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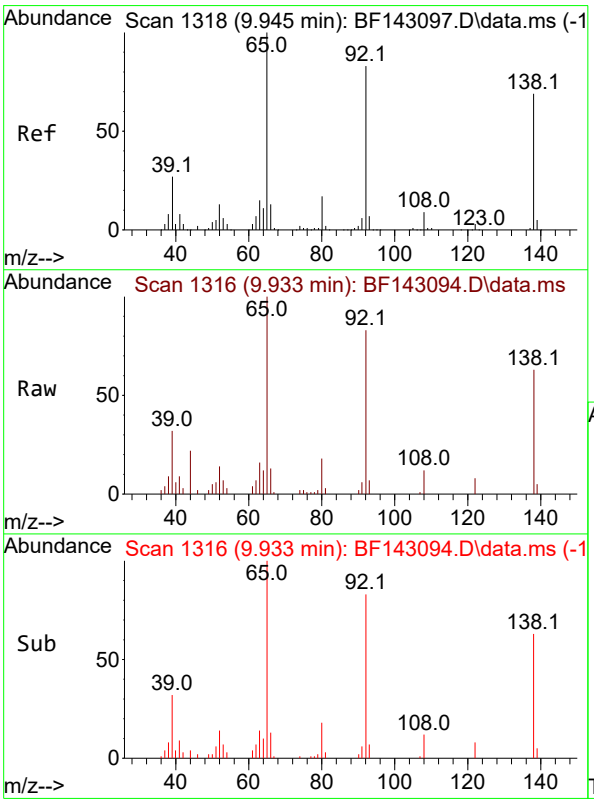
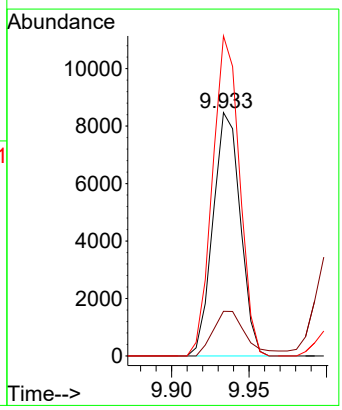
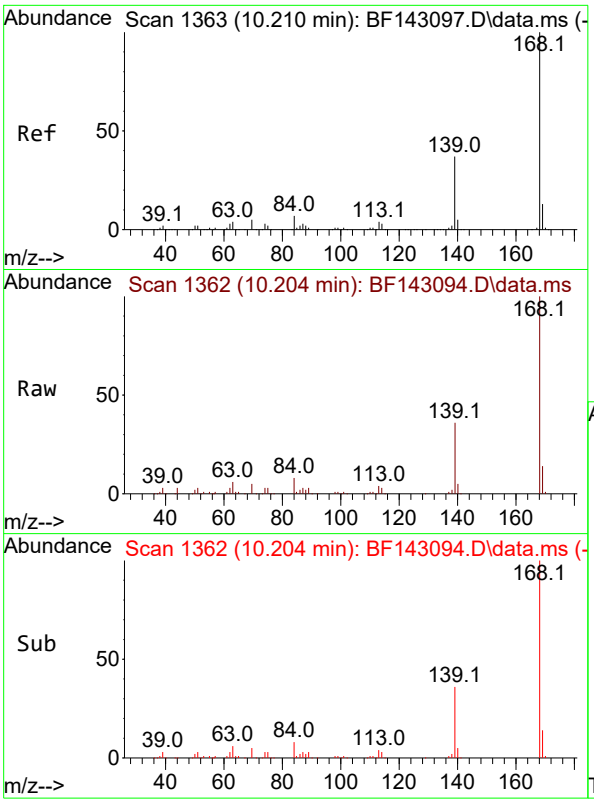



#53
3-Nitroaniline
Concen: 3.307 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:138 Resp: 10382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 18.3 | 10.1 | 15.1# |
| 92 | 131.5 | 96.4 | 144.6 |

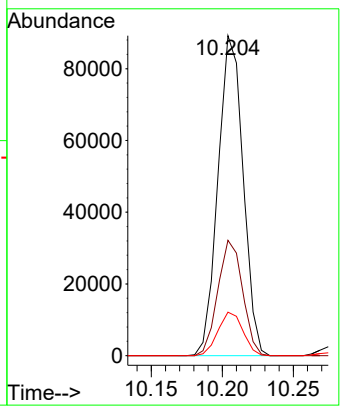





#55
Dibenzofuran
Concen: 5.518 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:168 Resp: 10943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 36.1 | 29.8 | 44.6 |
| 169 | 13.6 | 10.8 | 16.2 |




**Instrument :**
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**ClientSampleId :**
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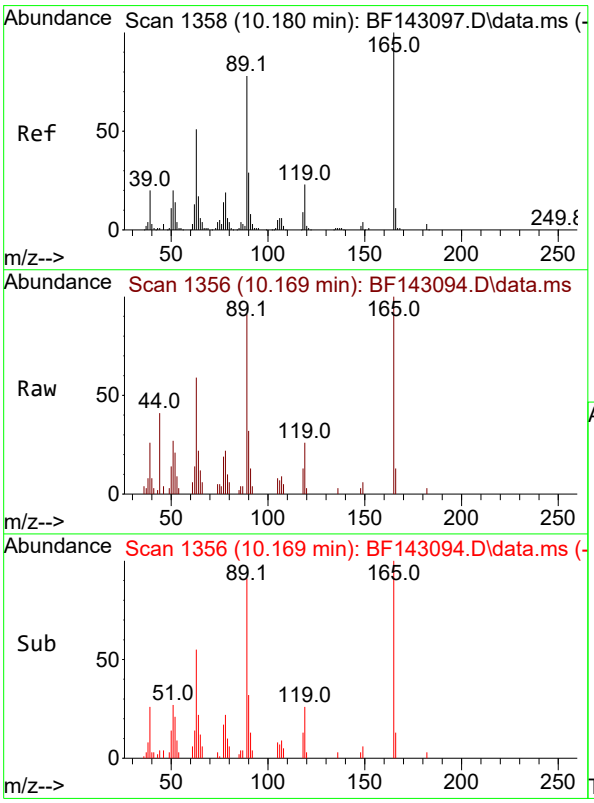
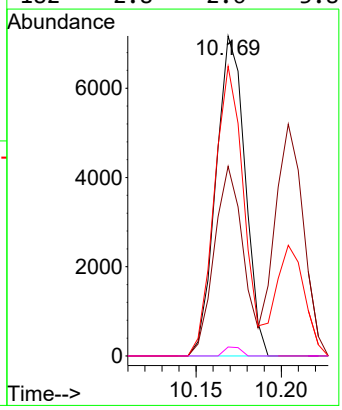
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

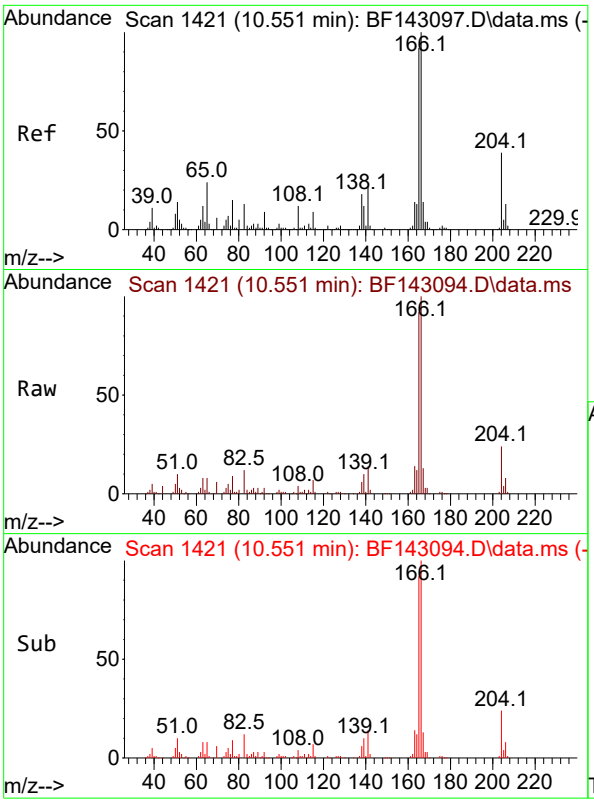



#57
2,4-Dinitrotoluene
Concen: 5.606 ng
RT: 10.169 min Scan# 1356
Delta R.T. -0.011 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:165 Resp: 8515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 59.3 | 40.6 | 61.0 |
| 89 | 90.5 | 62.3 | 93.5 |
| 182 | 2.8 | 2.6 | 3.8 |

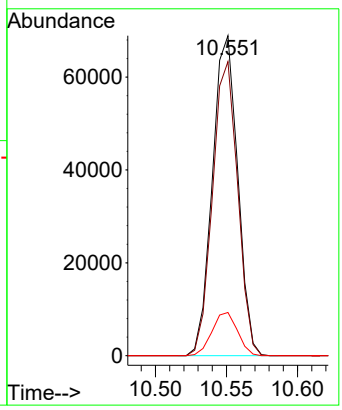





#58
Fluorene
Concen: 5.738 ng
RT: 10.551 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:166 Resp: 8531

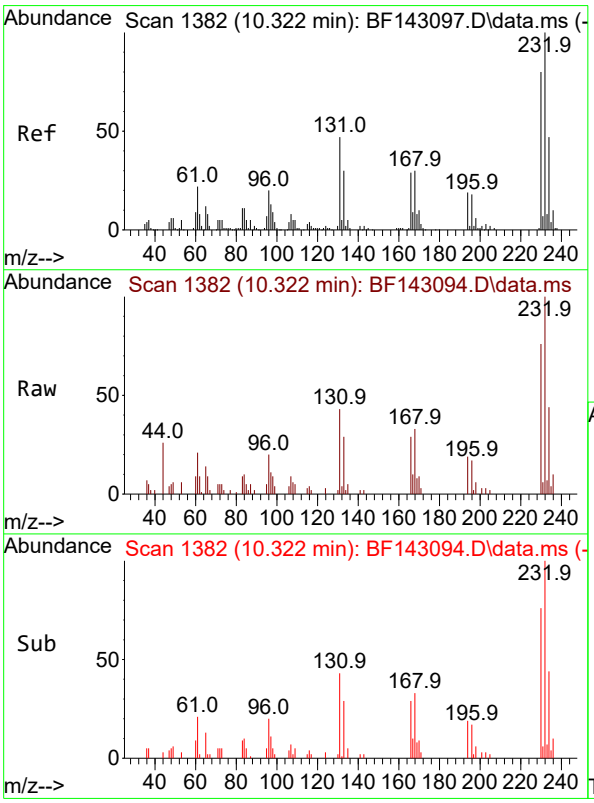
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 91.9 | 73.7 | 110.5 |
| 167 | 13.5 | 10.9 | 16.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

**Manual Integrations APPROVED**

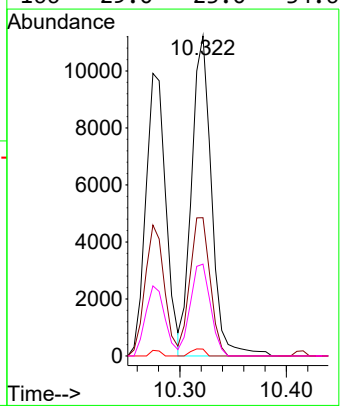
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

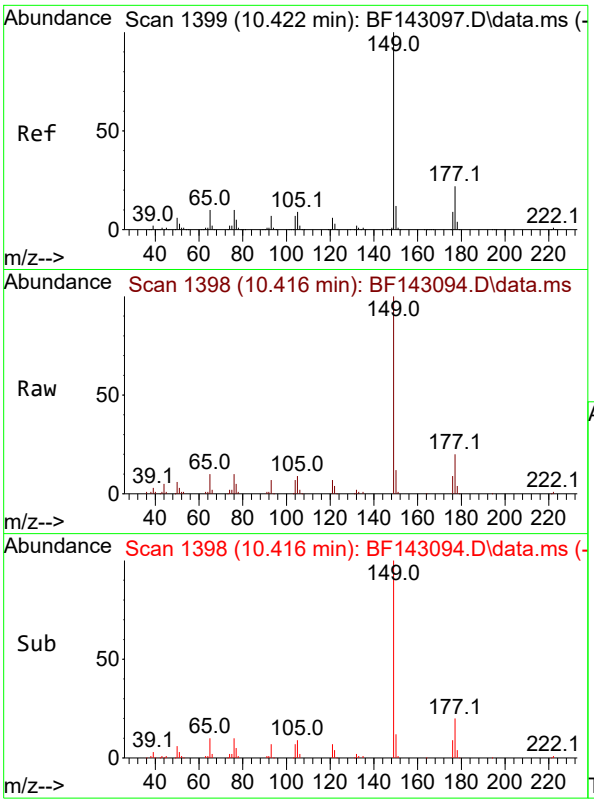



#59
2,3,4,6-Tetrachlorophenol
Concen: 4.192 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:232 Resp: 14610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 43.7 | 36.9 | 55.3 |
| 130 | 1.5 | 1.8 | 2.8# |
| 166 | 29.0 | 23.0 | 34.6 |

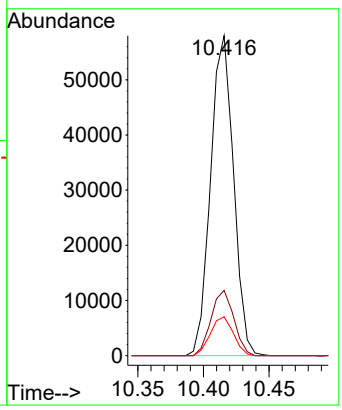





#60
Diethylphthalate
Concen: 5.031 ng
RT: 10.416 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:149 Resp: 7053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 20.4 | 17.3 | 25.9 |
| 150 | 12.1 | 9.9 | 14.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

**Manual Integrations**
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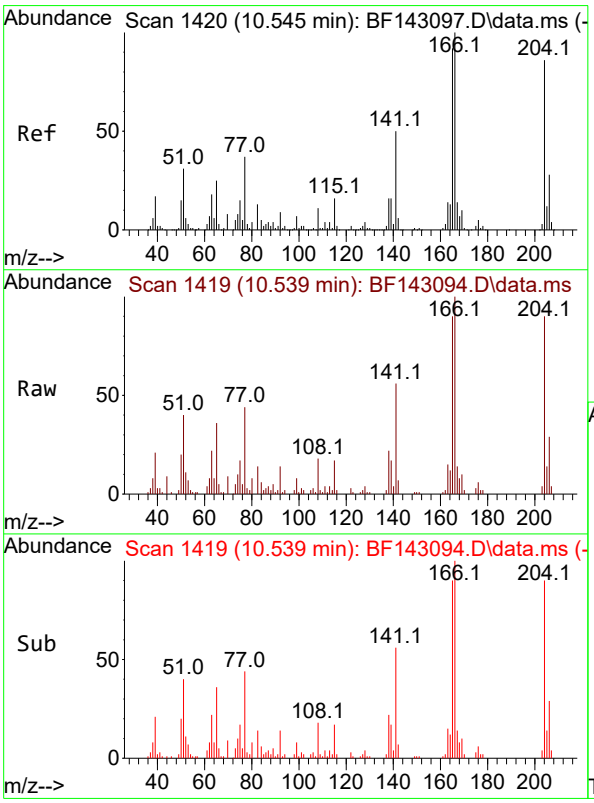
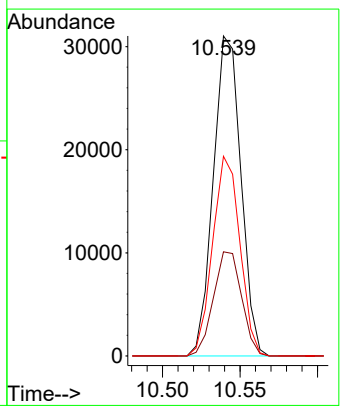
Supervised By :Jagrut Upadhyay 07/16/2025

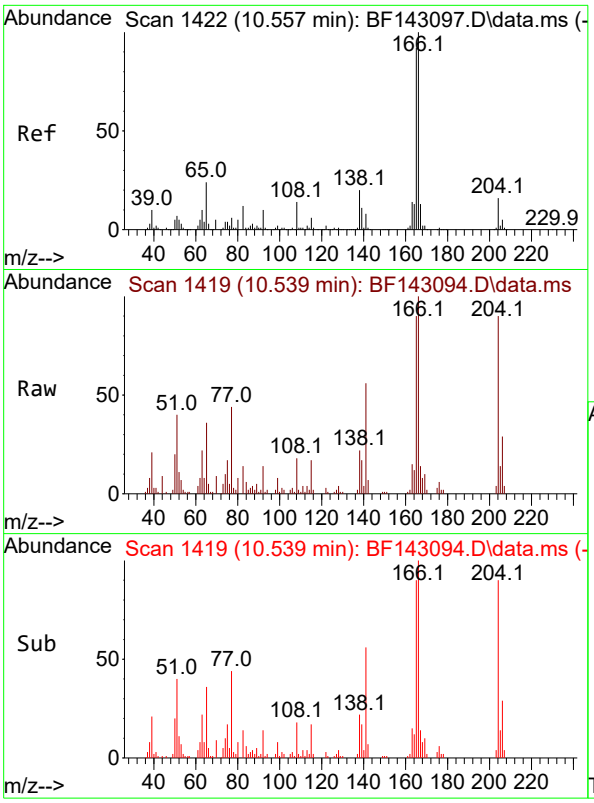



#61
4-Chlorophenyl-phenylether
Concen: 5.395 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:204 Resp: 38452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.5 | 25.8 | 38.6 |
| 141 | 62.4 | 46.8 | 70.2 |

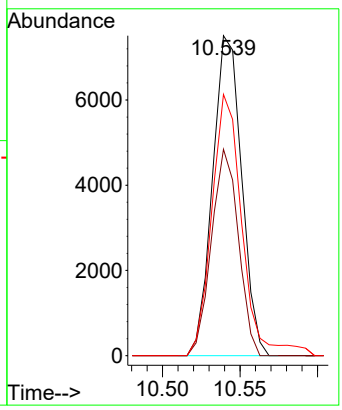





#62
4-Nitroaniline
Concen: 3.581 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:138 Resp: 977

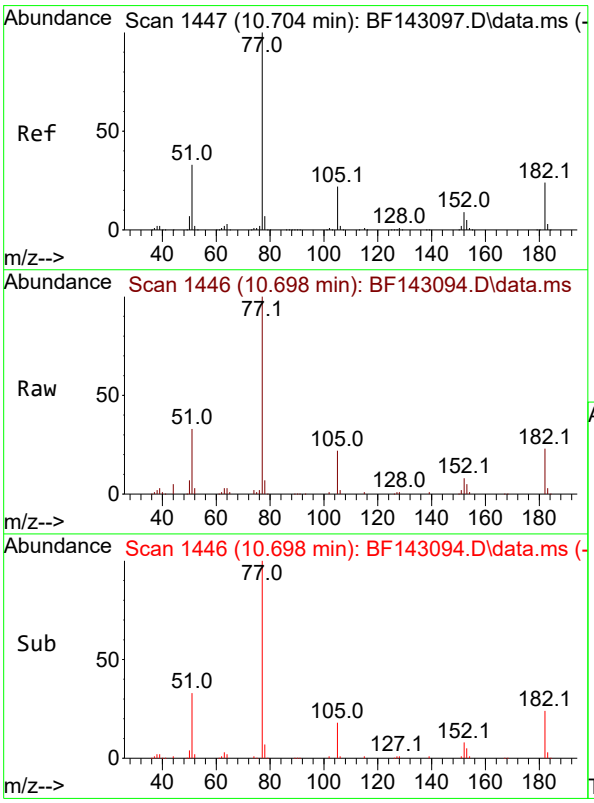
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 64.5 | 30.4 | 70.4 |
| 108 | 81.6 | 49.5 | 89.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

**Manual Integrations APPROVED**

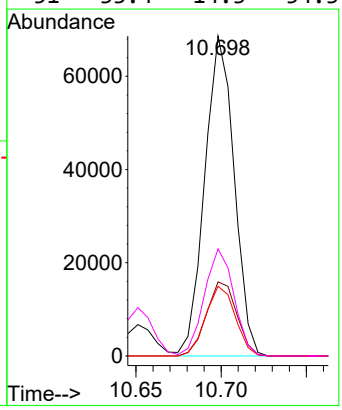
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

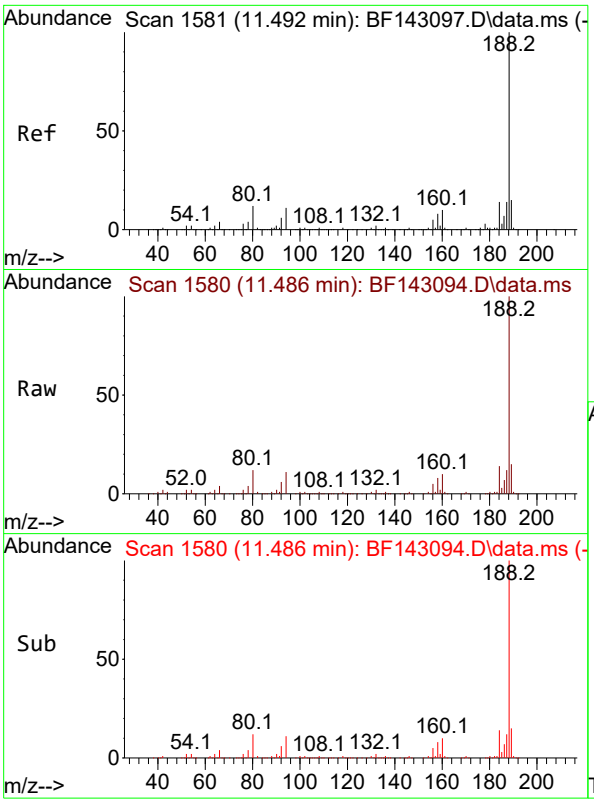



#63
Azobenzene
Concen: 5.308 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 77 Resp: 82291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 23.1 | 4.0 | 44.0 |
| 105 | 21.8 | 1.4 | 41.4 |
| 51 | 33.4 | 14.3 | 54.3 |

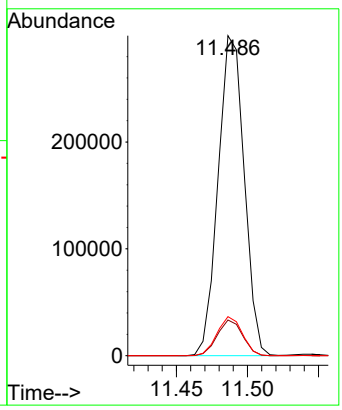





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:188 Resp: 38257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.2 | 8.6 | 13.0 |
| 80 | 12.2 | 9.3 | 13.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

**Manual Integrations**
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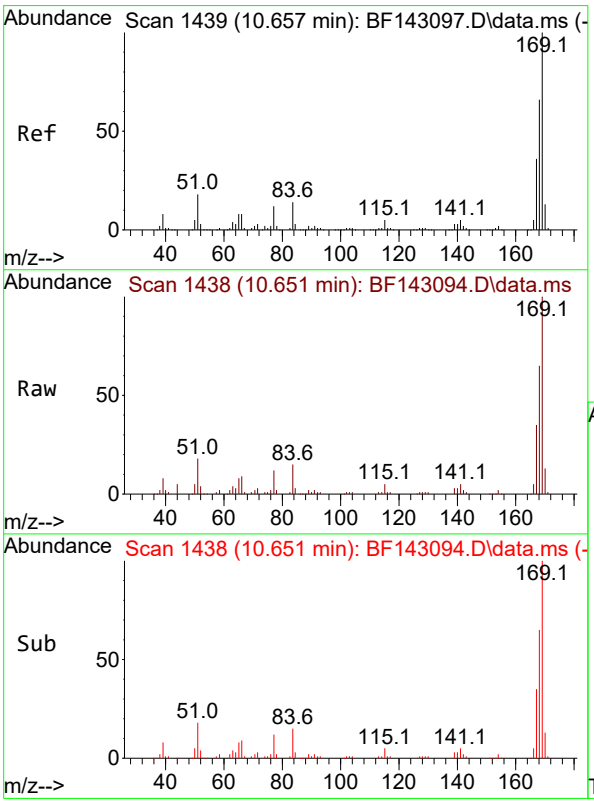
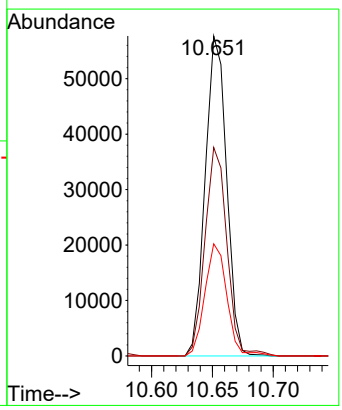
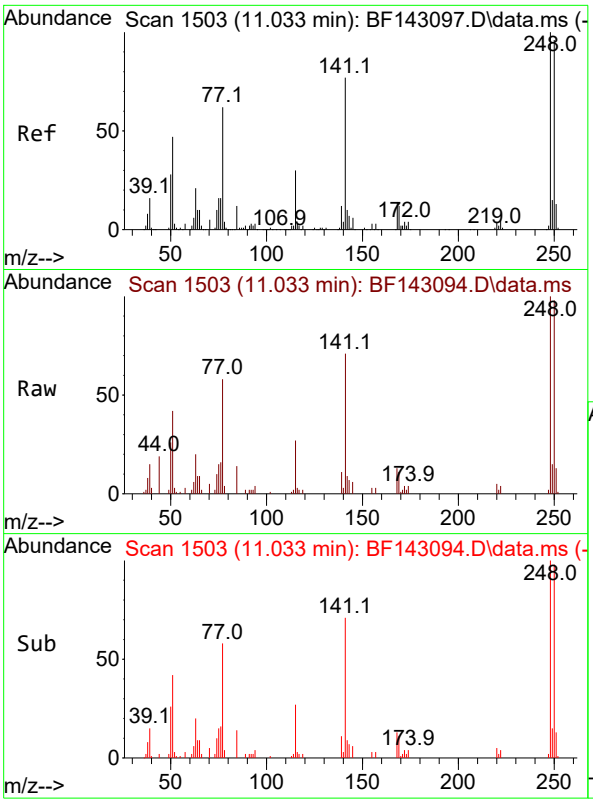



#66
n-Nitrosodiphenylamine
Concen: 5.231 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:169 Resp: 70293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.2 | 53.0 | 79.6 |
| 167 | 35.1 | 28.4 | 42.6 |






#67
4-Bromophenyl-phenylether
Concen: 5.086 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

Tgt Ion:248 Resp: 2212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.3 | 76.7 | 115.1 |
| 141 | 70.8 | 61.7 | 92.5 |

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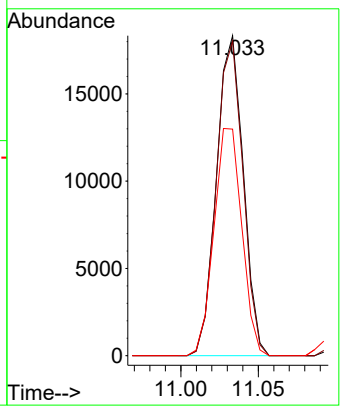
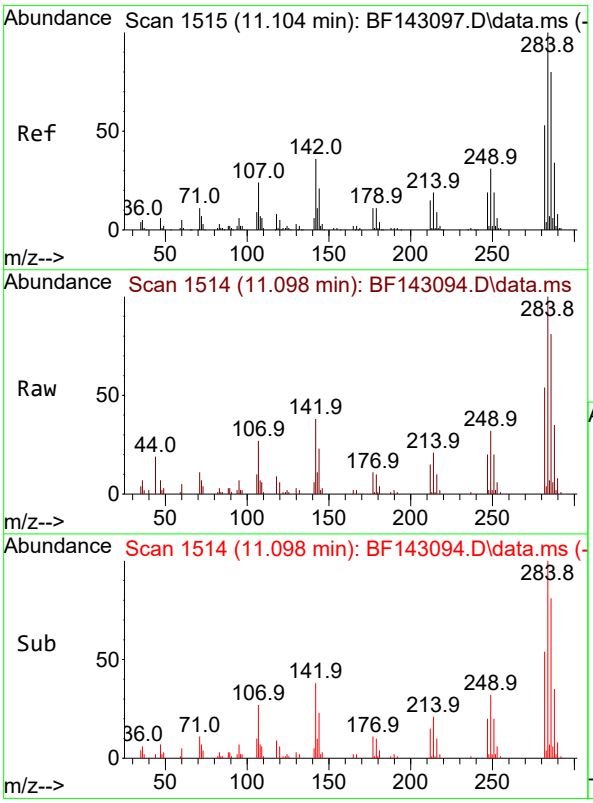
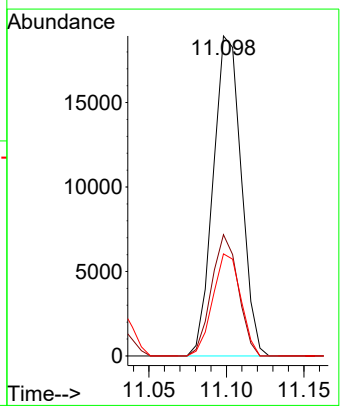


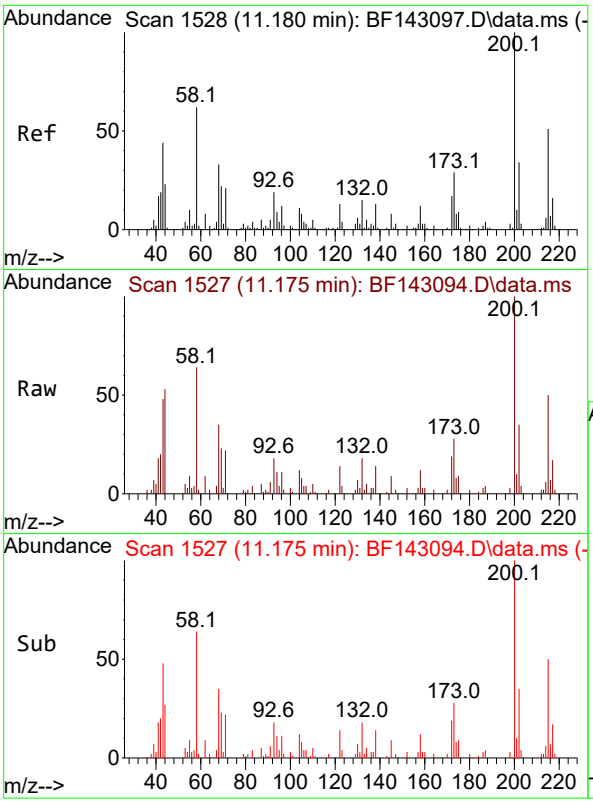




#68
Hexachlorobenzene
Concen: 5.160 ng
RT: 11.098 min Scan# 1514
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:284 Resp: 23819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 37.9 | 28.9 | 43.3 |
| 249 | 31.9 | 24.6 | 37.0 |

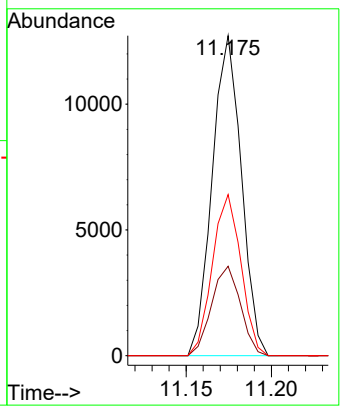





#69
Atrazine
Concen: 4.393 ng
RT: 11.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:200 Resp: 1510

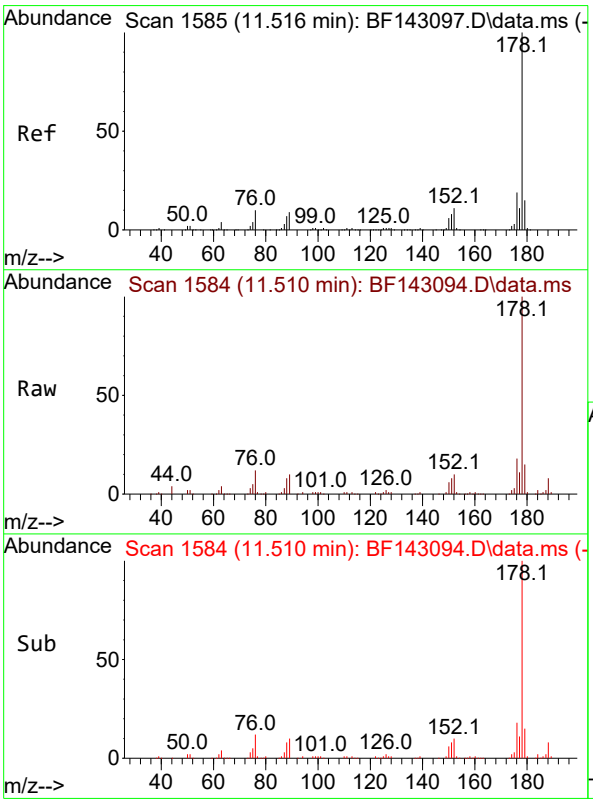
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.9 | 9.1 | 49.1 |
| 215 | 50.4 | 31.0 | 71.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

**Manual Integrations APPROVED**

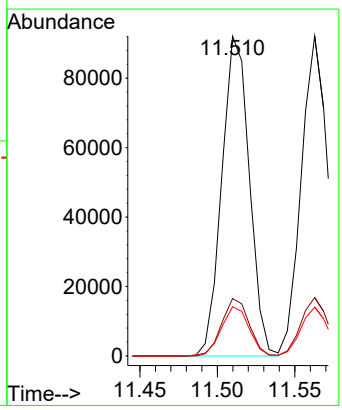
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

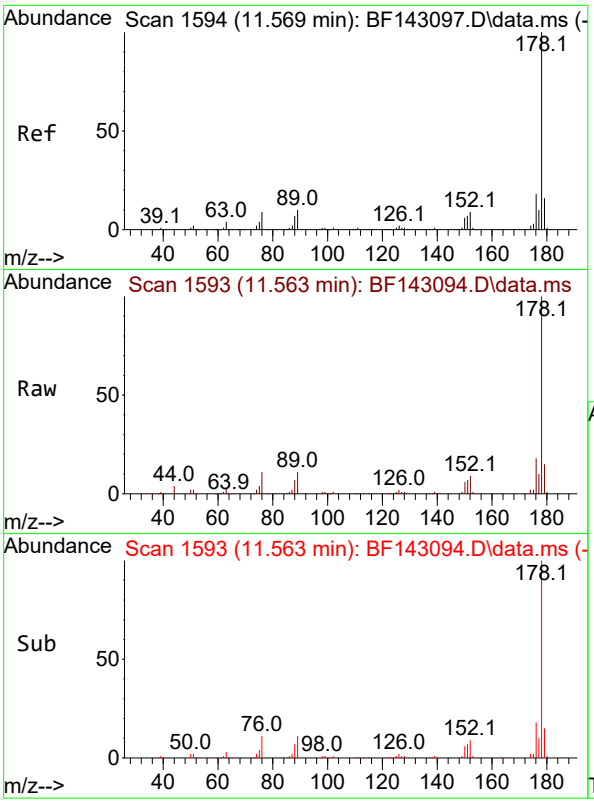



#71
Phenanthrene
Concen: 5.511 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:178 Resp: 113784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.0 | 15.1 | 22.7 |
| 179 | 15.4 | 12.2 | 18.4 |

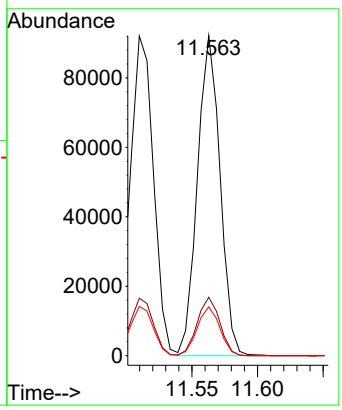





#72
Anthracene
Concen: 5.335 ng
RT: 11.563 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:178 Resp: 11077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.3 | 14.7 | 22.1 |
| 179 | 15.2 | 12.4 | 18.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 07/16/2025
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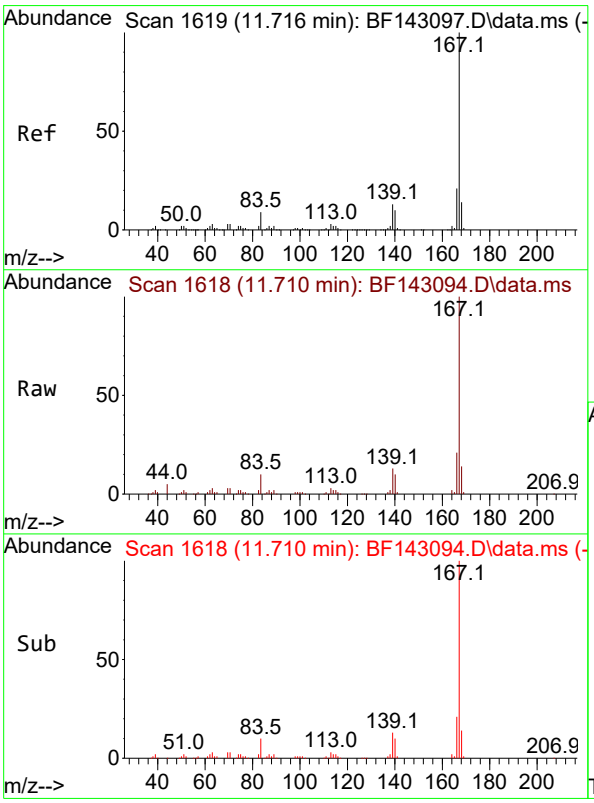
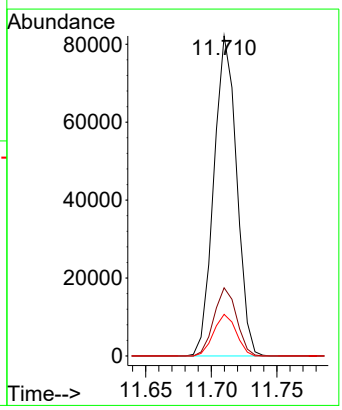
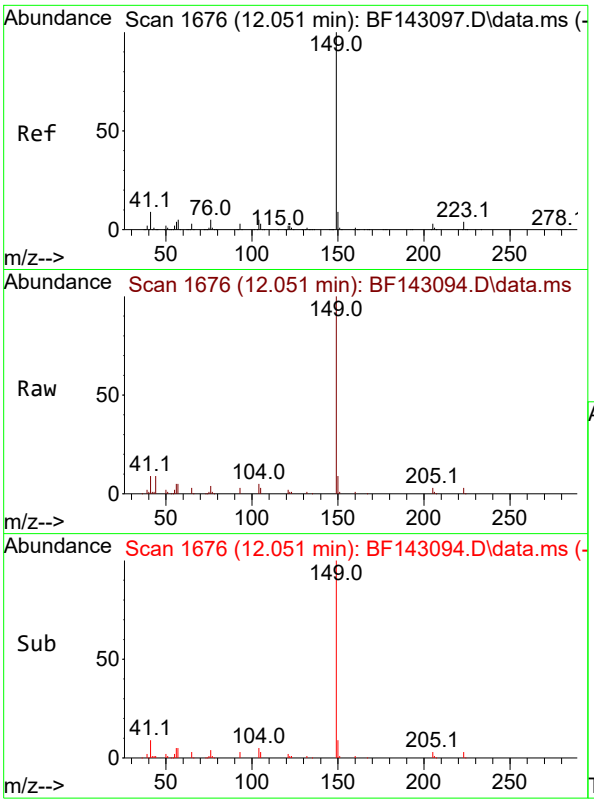



#73
Carbazole
Concen: 5.335 ng
RT: 11.710 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:167 Resp: 99235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.3 | 17.0 | 25.4 |
| 139 | 13.0 | 10.2 | 15.4 |

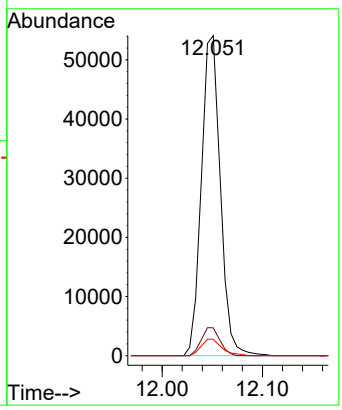





#74
Di-n-butylphthalate
Concen: 4.179 ng
RT: 12.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:149 Resp: 7135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 8.7 | 7.3 | 10.9 |
| 104 | 5.1 | 3.8 | 5.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 07/16/2025
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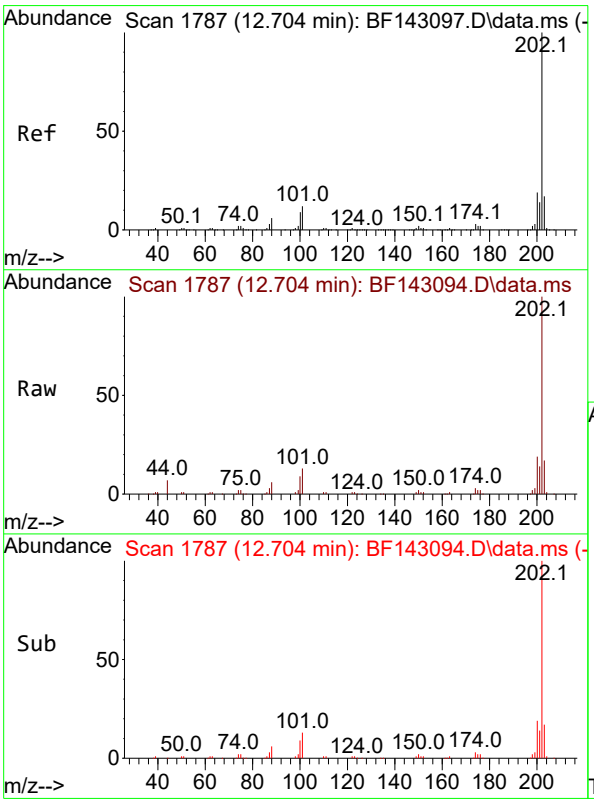
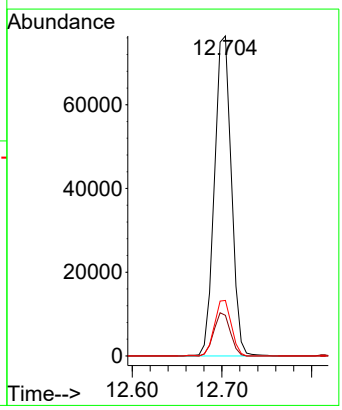
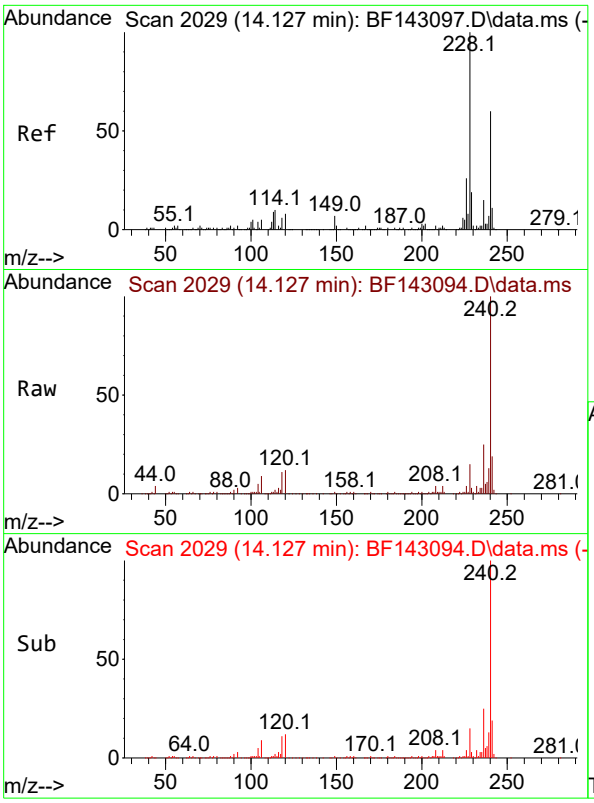



#75
Fluoranthene
Concen: 5.320 ng
RT: 12.704 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:202 Resp: 99884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.7 | 0.0 | 32.4 |
| 203 | 17.4 | 0.0 | 37.4 |

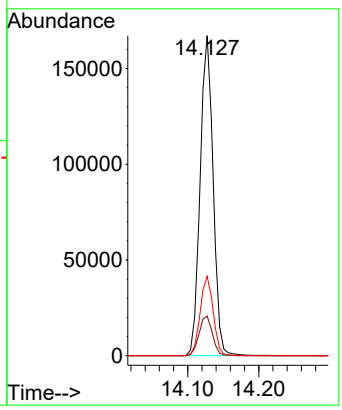





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:240 Resp: 212909

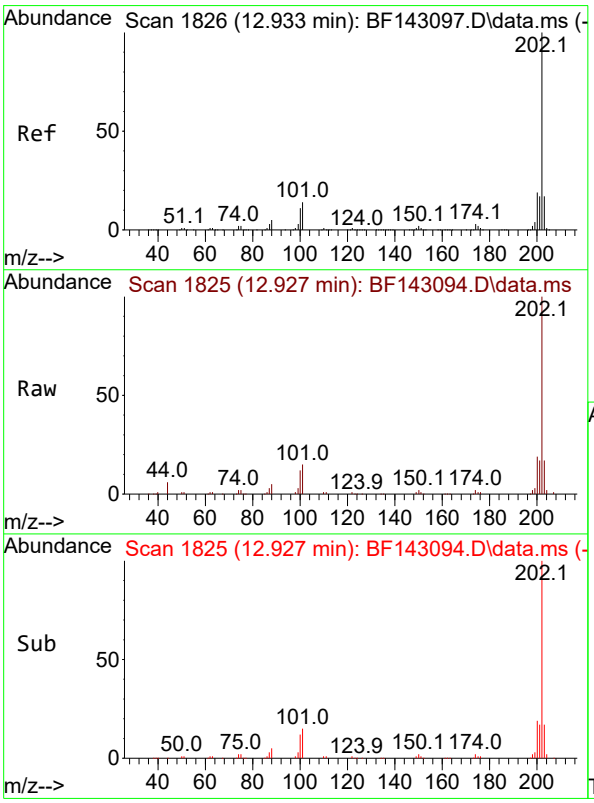
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.4 | 10.0 | 15.0 |
| 236 | 24.8 | 20.0 | 30.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

**Manual Integrations**
**APPROVED**

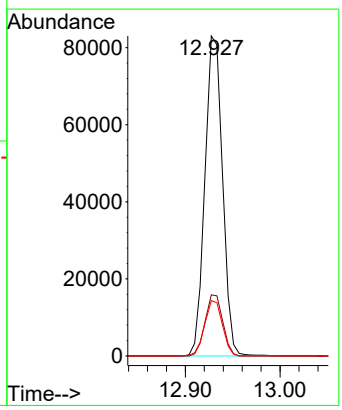
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

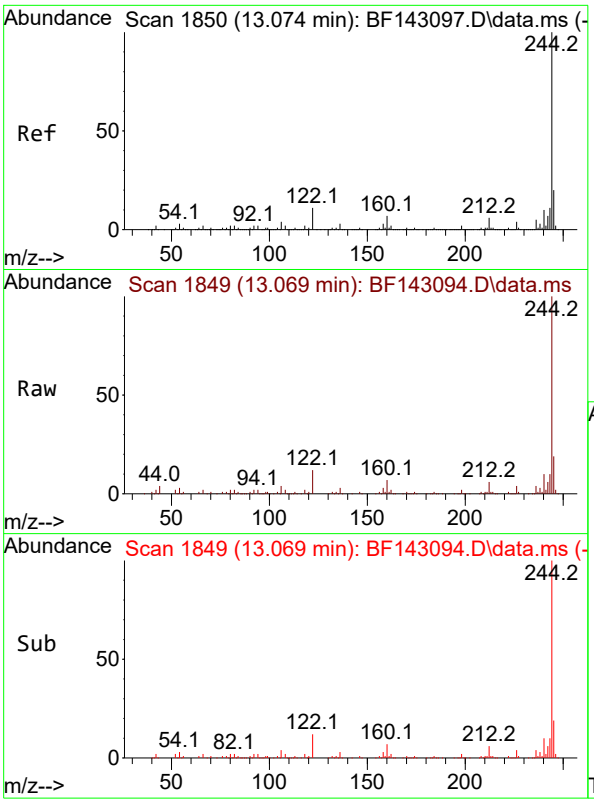



#78
Pyrene
Concen: 5.436 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:202 Resp: 107389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.1 | 15.5 | 23.3 |
| 203 | 17.3 | 14.0 | 21.0 |

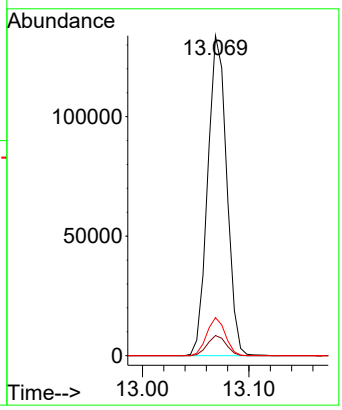





#79
Terphenyl-d14
Concen: 11.424 ng
RT: 13.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:244 Resp: 16638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.3 | 5.2 | 7.8 |
| 122 | 11.9 | 8.8 | 13.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

**Manual Integrations**
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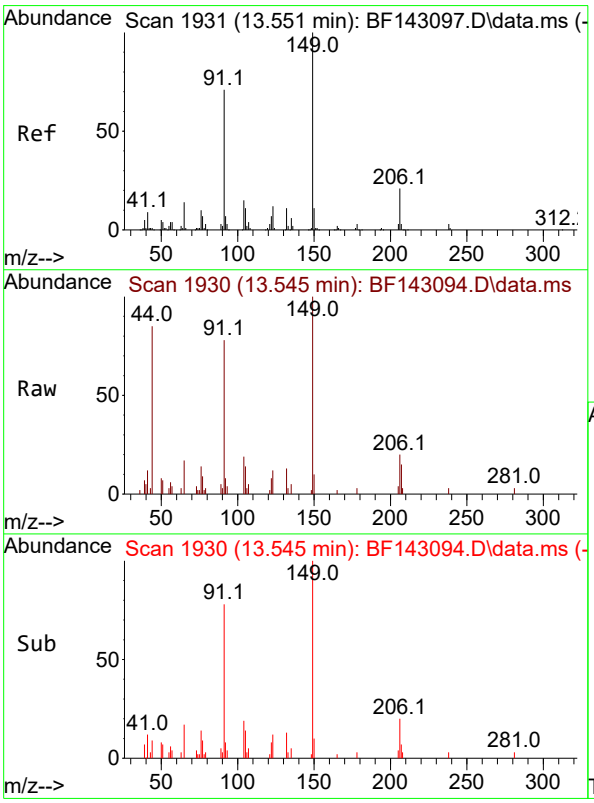
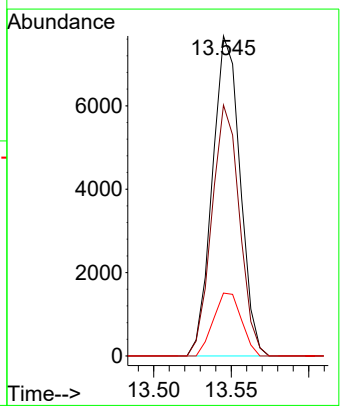
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

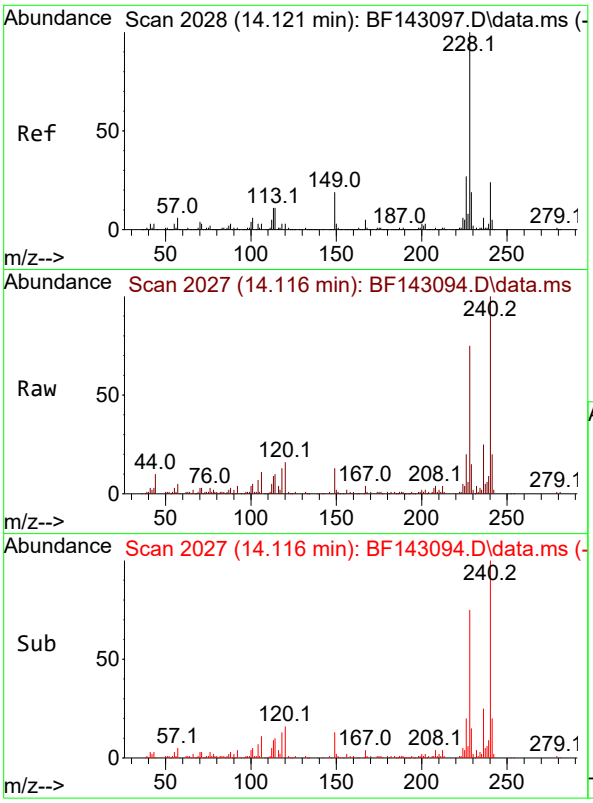



#80
Butylbenzylphthalate
Concen: 5.646 ng
RT: 13.545 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:149 Resp: 9546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 78.4 | 57.0 | 85.4 |
| 206 | 19.7 | 17.2 | 25.8 |

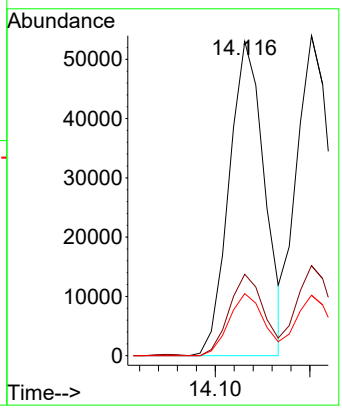





#81
Benzo(a)anthracene
Concen: 4.863 ng
RT: 14.116 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:228 Resp: 6899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 25.9 | 21.3 | 31.9 |
| 229 | 19.7 | 15.5 | 23.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

**Manual Integrations**
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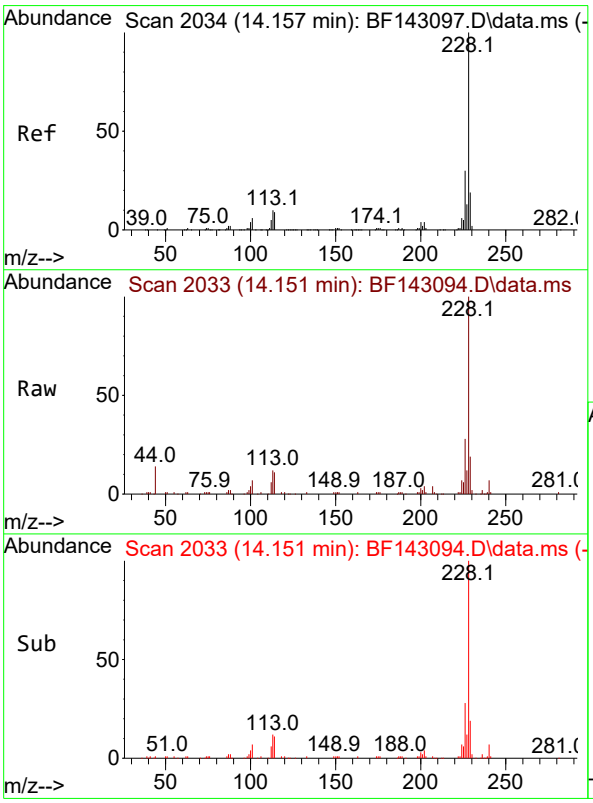
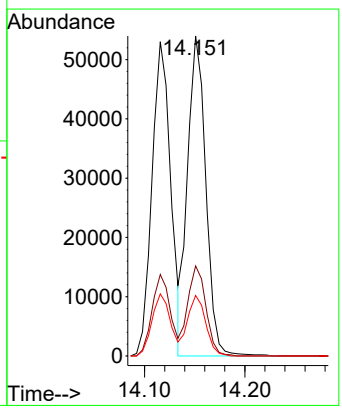
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

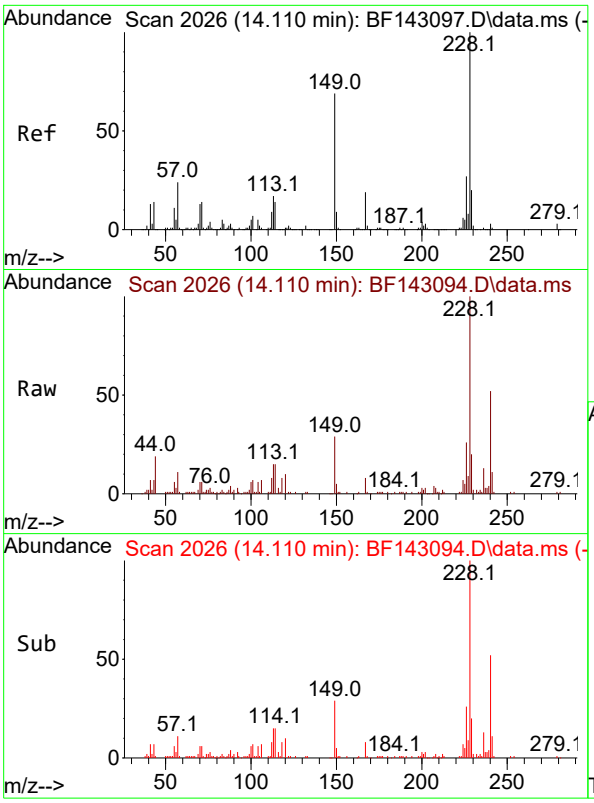



#83
Chrysene
Concen: 5.239 ng
RT: 14.151 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:228 Resp: 68451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.2 | 23.4 | 35.2 |
| 229 | 18.9 | 15.3 | 22.9 |

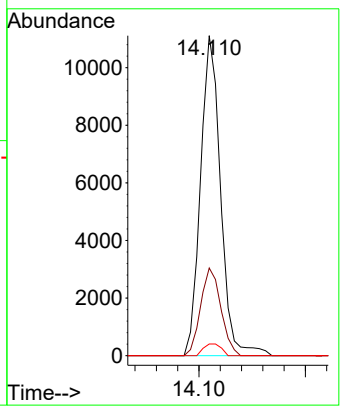





#84
Bis(2-ethylhexyl)phthalate
Concen: 5.667 ng
RT: 14.110 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:149 Resp: 1453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.4 | 21.9 | 32.9 |
| 279 | 3.6 | 3.4 | 5.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

**Manual Integrations**
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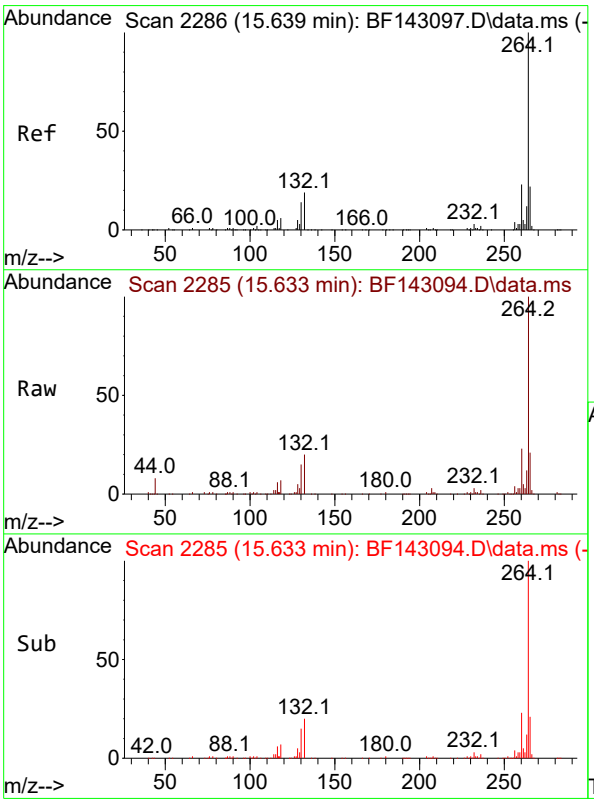
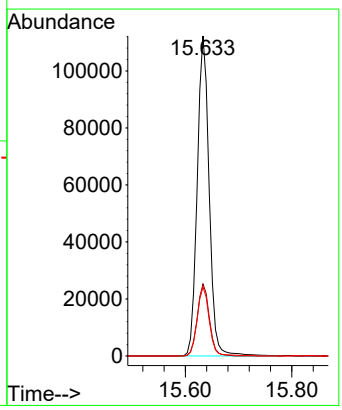
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

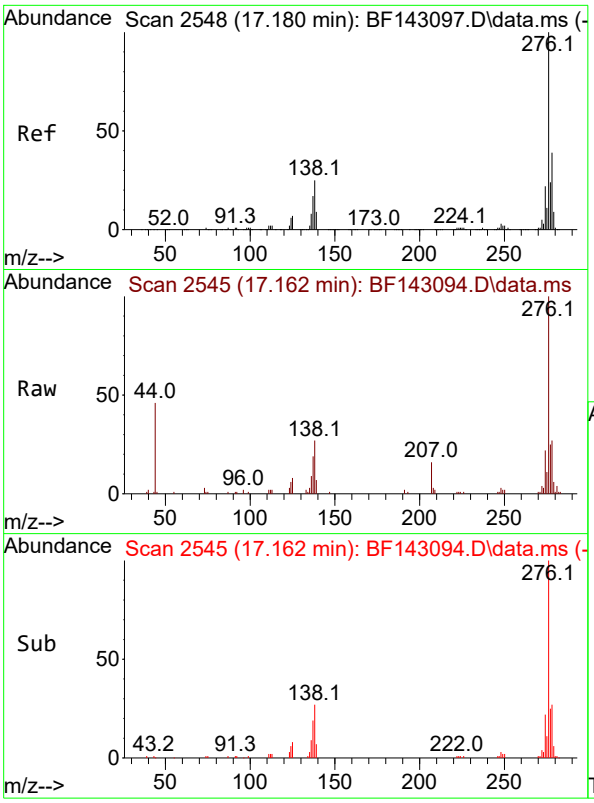



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:264 Resp: 174154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.5 | 18.5 | 27.7 |
| 265 | 21.5 | 17.5 | 26.3 |

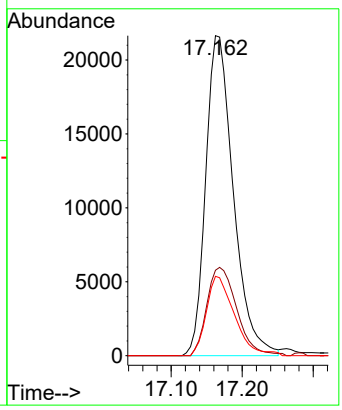





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.521 ng
RT: 17.162 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:276 Resp: 5856

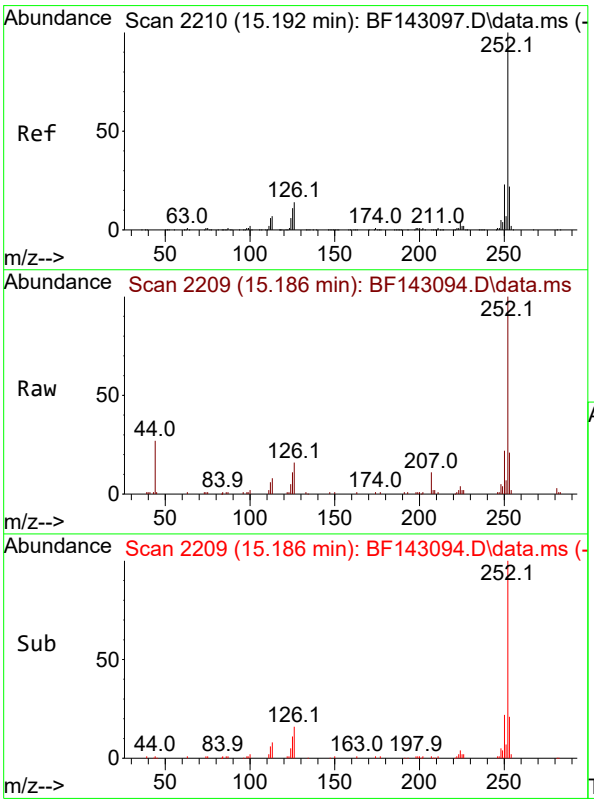
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 29.8 | 22.6 | 34.0 |
| 277 | 25.1 | 20.2 | 30.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

**Manual Integrations**
**APPROVED**

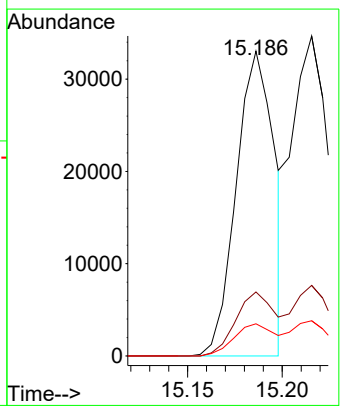
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

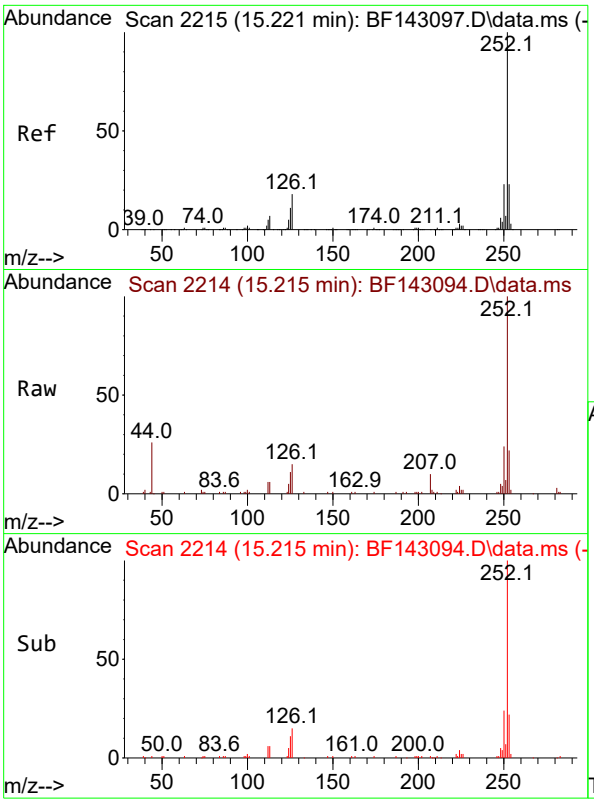



#88
Benzo(b)fluoranthene
Concen: 4.607 ng
RT: 15.186 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:252 Resp: 46276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.0 | 17.5 | 26.3 |
| 125 | 10.6 | 8.6 | 13.0 |

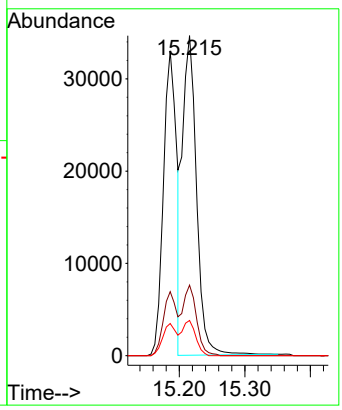





#89
Benzo(k)fluoranthene
Concen: 5.340 ng
RT: 15.215 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:252 Resp: 5117

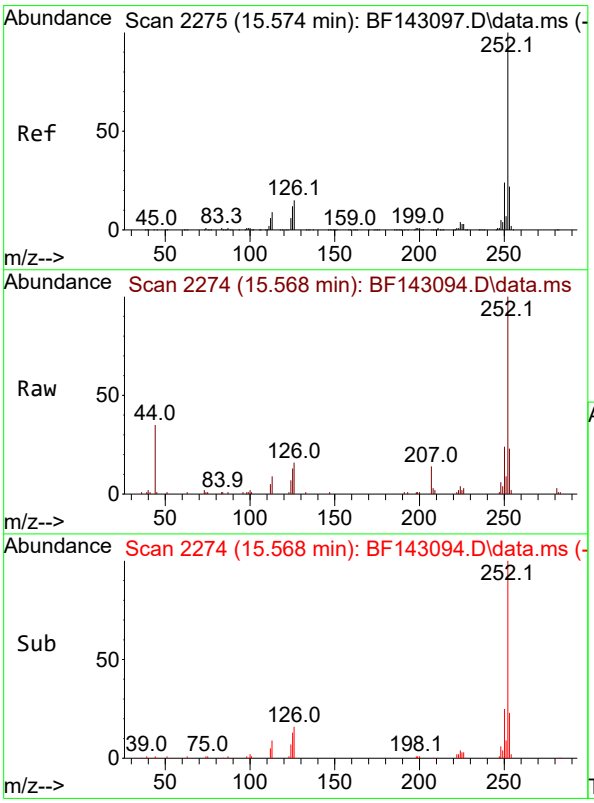
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.4 | 26.2 |
| 125 | 11.0 | 8.5 | 12.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

**Manual Integrations APPROVED**

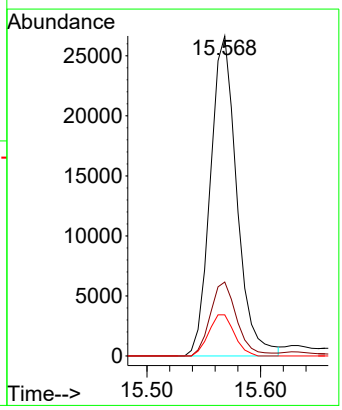
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

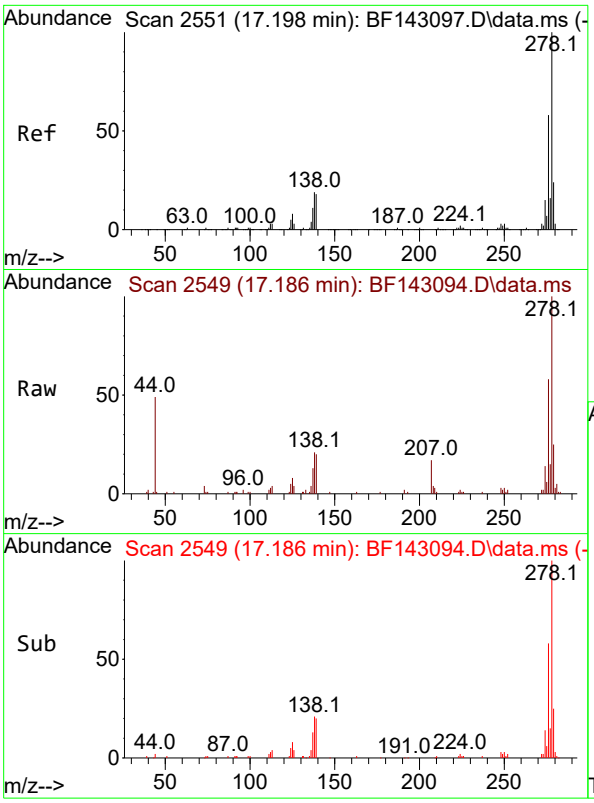



#90
Benzo(a)pyrene
Concen: 4.531 ng
RT: 15.568 min Scan# 2274
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:252 Resp: 43046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.1 | 17.5 | 26.3 |
| 125 | 12.9 | 9.4 | 14.0 |

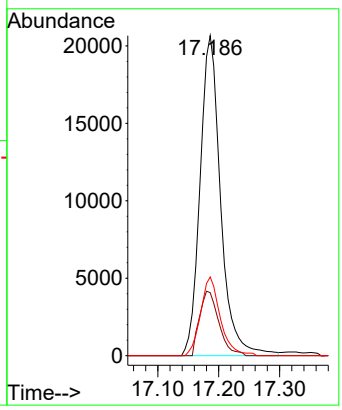





#91
Dibenzo(a,h)anthracene
Concen: 4.581 ng
RT: 17.186 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:278 Resp: 4850

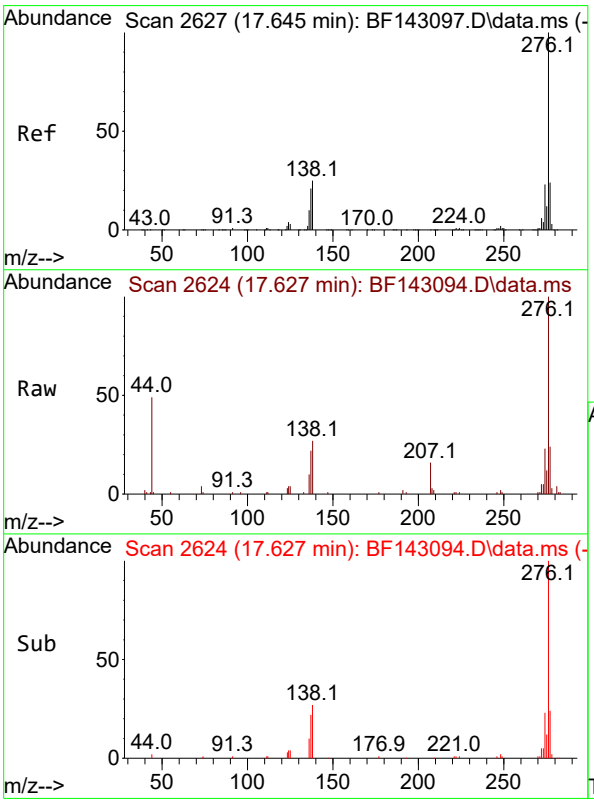
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 19.7 | 14.6 | 22.0 |
| 279 | 24.6 | 18.8 | 28.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC005

**Manual Integrations**
**APPROVED**

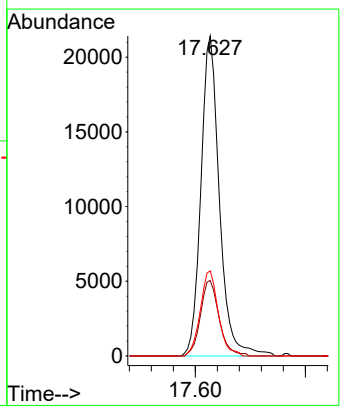
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025




#92
Benzo(g,h,i)perylene
Concen: 4.631 ng
RT: 17.627 min Scan# 2624
Delta R.T. -0.018 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:276 Resp: 49989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 19.2 | 28.8 |
| 138 | 26.6 | 19.8 | 29.6 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143095.D
Acq On : 15 Jul 2025 14:05
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:38:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.969 | 152 | 129158 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.245 | 136 | 488635 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 10.004 | 164 | 248013 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.486 | 188 | 412977 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.127 | 240 | 231826 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.633 | 264 | 195100 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.581 | 112 | 164234 | 20.090 | ng | | 0.00 |
| 7) Phenol-d6 | 6.575 | 99 | 208774 | 20.317 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.516 | 82 | 156007m | 17.910 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.786 | 330 | 39055 | 17.661 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.322 | 172 | 407861 | 21.860 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.069 | 244 | 340992 | 21.502 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.810 | 88 | 40980 | 10.070 | ng | | 98 |
| 3) Pyridine | 3.581 | 79 | 99499 | 9.656 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.504 | 42 | 50912 | 9.536 | ng | # | 96 |
| 6) Aniline | 6.622 | 93 | 145577 | 10.060 | ng | | 99 |
| 8) 2-Chlorophenol | 6.745 | 128 | 78009 | 9.498 | ng | | 98 |
| 9) Benzaldehyde | 6.510 | 77 | 77218 | 9.862 | ng | | 97 |
| 10) Phenol | 6.587 | 94 | 112508 | 10.114 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.693 | 93 | 88047 | 10.224 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.910 | 146 | 95695 | 10.313 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.987 | 146 | 95134 | 10.191 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.140 | 146 | 90960 | 10.218 | ng | | 100 |
| 15) Benzyl Alcohol | 7.092 | 79 | 72743 | 9.554 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.240 | 45 | 163494 | 10.299 | ng | | 99 |
| 17) 2-Methylphenol | 7.204 | 107 | 69808 | 9.849 | ng | | 99 |
| 18) Hexachloroethane | 7.487 | 117 | 28400 | 9.345 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.363 | 70 | 63831 | 10.139 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.351 | 107 | 90318 | 10.391 | ng | # | 83 |
| 22) Acetophenone | 7.363 | 105 | 126127 | 10.708 | ng | | 95 |
| 24) Nitrobenzene | 7.540 | 77 | 77369 | 9.201 | ng | | 97 |
| 25) Isophorone | 7.775 | 82 | 167986 | 9.978 | ng | | 99 |
| 26) 2-Nitrophenol | 7.857 | 139 | 18432 | 8.966 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.887 | 122 | 78706 | 10.072 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.987 | 93 | 106045 | 10.387 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.092 | 162 | 62164 | 9.724 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.187 | 180 | 74581 | 10.280 | ng | | 98 |
| 31) Naphthalene | 8.269 | 128 | 256031 | 10.551 | ng | | 99 |
| 32) Benzoic acid | 7.939 | 122 | 19661m | 10.880 | ng | | |
| 33) 4-Chloroaniline | 8.310 | 127 | 102550 | 10.510 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.392 | 225 | 42959 | 9.901 | ng | | 97 |
| 35) Caprolactam | 8.634 | 113 | 17855 | 8.944 | ng | | 99 |
| 36) 4-Chloro-3-methylphenol | 8.775 | 107 | 70747 | 9.935 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.957 | 142 | 152822 | 10.557 | ng | | 99 |
| 38) 1-Methylnaphthalene | 9.057 | 142 | 161228 | 10.739 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.128 | 216 | 74348 | 10.287 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.122 | 237 | 31472 | 7.854 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.234 | 196 | 38748 | 8.628 | ng | | 98 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143095.D
Acq On : 15 Jul 2025 14:05
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:38:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.263 | 196 | 45455 | 9.653 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.422 | 154 | 209259 | 10.580 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.445 | 162 | 149175 | 10.267 | ng | | 99 |
| 48) 2-Nitroaniline | 9.534 | 65 | 27816 | 9.163 | ng | | 98 |
| 49) Acenaphthylene | 9.863 | 152 | 249435 | 10.302 | ng | | 100 |
| 50) Dimethylphthalate | 9.710 | 163 | 156072 | 10.003 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.769 | 165 | 21789 | 9.451 | ng | | 96 |
| 52) Acenaphthene | 10.033 | 154 | 149318 | 10.451 | ng | | 100 |
| 53) 3-Nitroaniline | 9.939 | 138 | 28105 | 8.336 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 10.039 | 184 | 4729 | 10.239 | ng | # | 1 |
| 55) Dibenzofuran | 10.204 | 168 | 222555 | 10.451 | ng | | 98 |
| 56) 4-Nitrophenol | 10.081 | 139 | 20334 | 7.589 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 10.175 | 165 | 24420 | 9.293 | ng | # | 95 |
| 58) Fluorene | 10.551 | 166 | 171975 | 10.771 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.322 | 232 | 33995 | 9.084 | ng | | 99 |
| 60) Diethylphthalate | 10.416 | 149 | 150934 | 10.027 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.545 | 204 | 79583 | 10.400 | ng | | 99 |
| 62) 4-Nitroaniline | 10.545 | 138 | 25757 | 8.785 | ng | | 96 |
| 63) Azobenzene | 10.698 | 77 | 173437 | 10.418 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.581 | 198 | 7158 | 10.290 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 10.651 | 169 | 146433 | 10.094 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 11.033 | 248 | 45279 | 9.641 | ng | | 97 |
| 68) Hexachlorobenzene | 11.104 | 284 | 49035 | 9.840 | ng | | 96 |
| 69) Atrazine | 11.175 | 200 | 35230 | 9.492 | ng | | 99 |
| 70) Pentachlorophenol | 11.286 | 266 | 20245 | 7.405 | ng | | 97 |
| 71) Phenanthrene | 11.510 | 178 | 234601 | 10.526 | ng | | 100 |
| 72) Anthracene | 11.563 | 178 | 232459 | 10.372 | ng | | 99 |
| 73) Carbazole | 11.710 | 167 | 211853 | 10.551 | ng | | 99 |
| 74) Di-n-butylphthalate | 12.051 | 149 | 174639 | 9.475 | ng | | 100 |
| 75) Fluoranthene | 12.704 | 202 | 217346 | 10.725 | ng | | 99 |
| 77) Benzidine | 12.816 | 184 | 76979 | 9.747 | ng | | 99 |
| 78) Pyrene | 12.927 | 202 | 226752 | 10.542 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.545 | 149 | 26977 | 9.210 | ng | | 94 |
| 81) Benzo(a)anthracene | 14.116 | 228 | 151099 | 9.781 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.074 | 252 | 36435 | 8.122 | ng | | 99 |
| 83) Chrysene | 14.151 | 228 | 142990 | 10.050 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.110 | 149 | 39724 | 9.073 | ng | | 97 |
| 85) Di-n-octyl phthalate | 14.727 | 149 | 54952 | 10.526 | ng | | 96 |
| 87) Indeno(1,2,3-cd)pyrene | 17.168 | 276 | 137620 | 9.484 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 15.186 | 252 | 116154 | 10.321 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.216 | 252 | 103994 | 9.686 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.568 | 252 | 99366 | 9.336 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.186 | 278 | 113316 | 9.553 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.627 | 276 | 115816 | 9.577 | ng | | 98 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143095.D
Acq On : 15 Jul 2025 14:05
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 15 17:38:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

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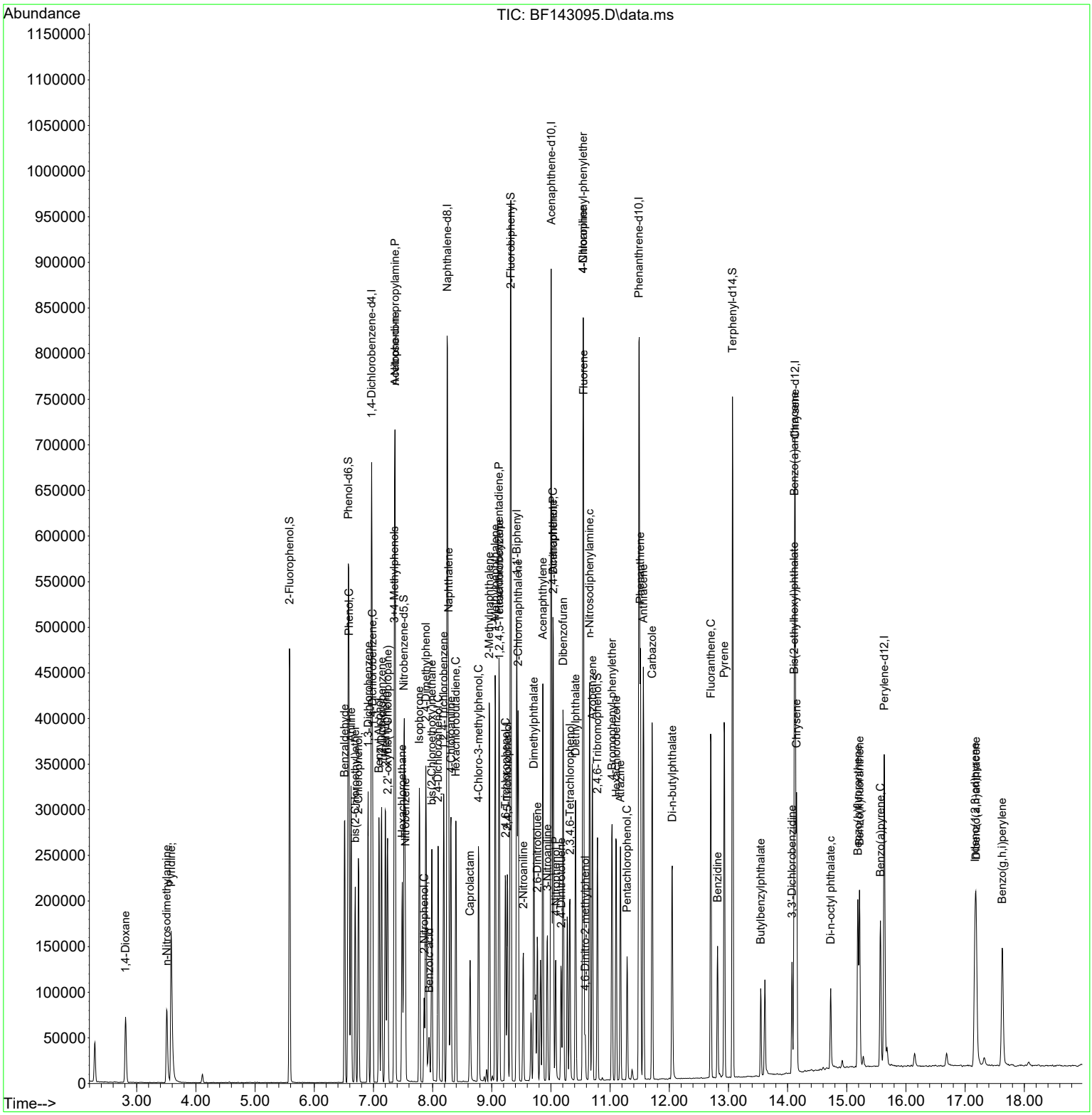
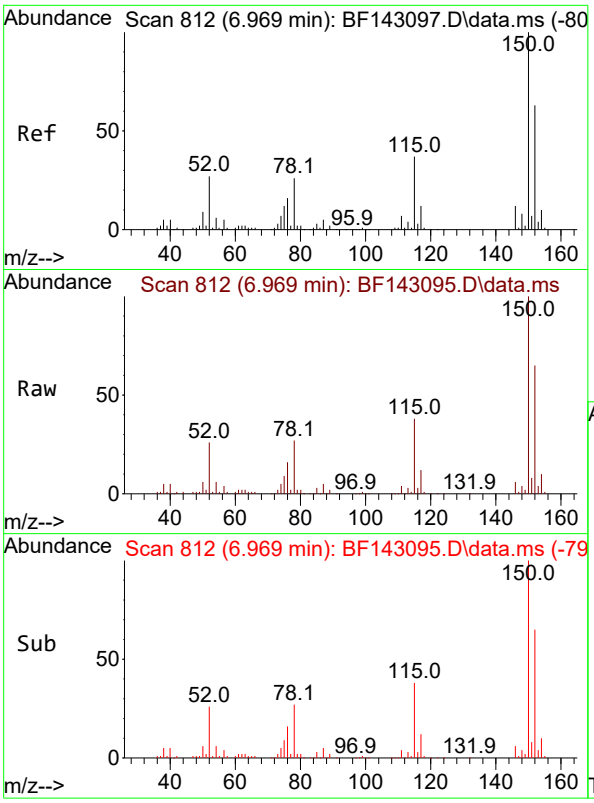
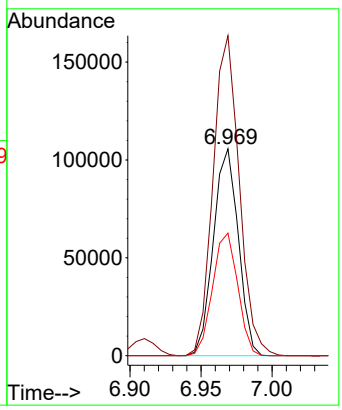





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:152 Resp: 12915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.7 | 126.5 | 189.7 |
| 115 | 59.3 | 47.0 | 70.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

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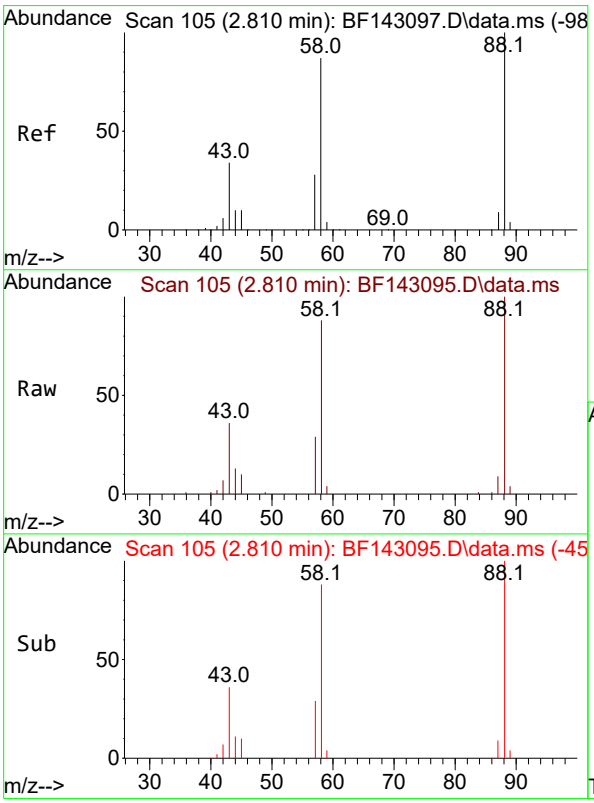
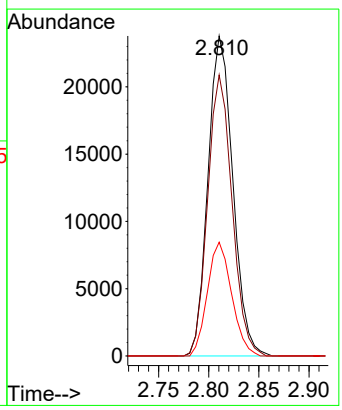
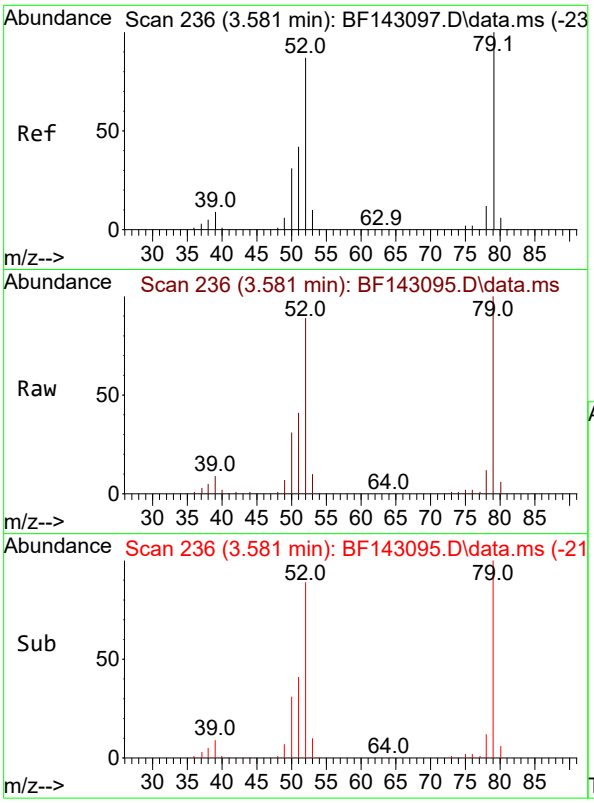



#2
1,4-Dioxane
Concen: 10.070 ng
RT: 2.810 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 88 Resp: 40980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 86.3 | 70.5 | 105.7 |
| 43 | 34.8 | 27.3 | 40.9 |

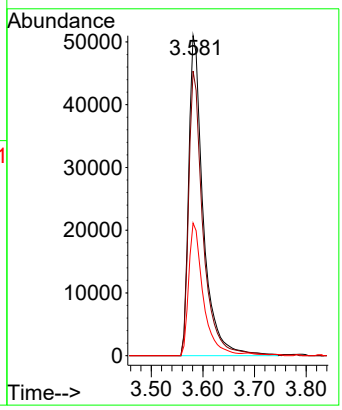





#3
Pyridine
Concen: 9.656 ng
RT: 3.581 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 79 Resp: 9949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 88.9 | 69.2 | 103.8 |
| 51 | 41.5 | 33.3 | 49.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

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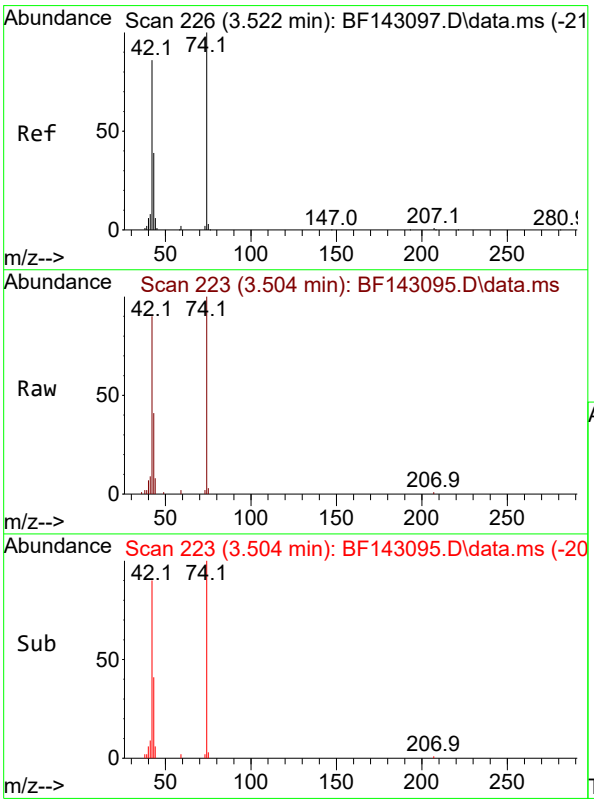
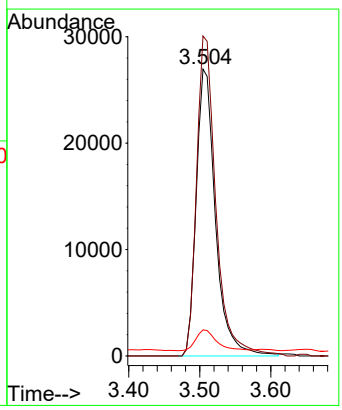
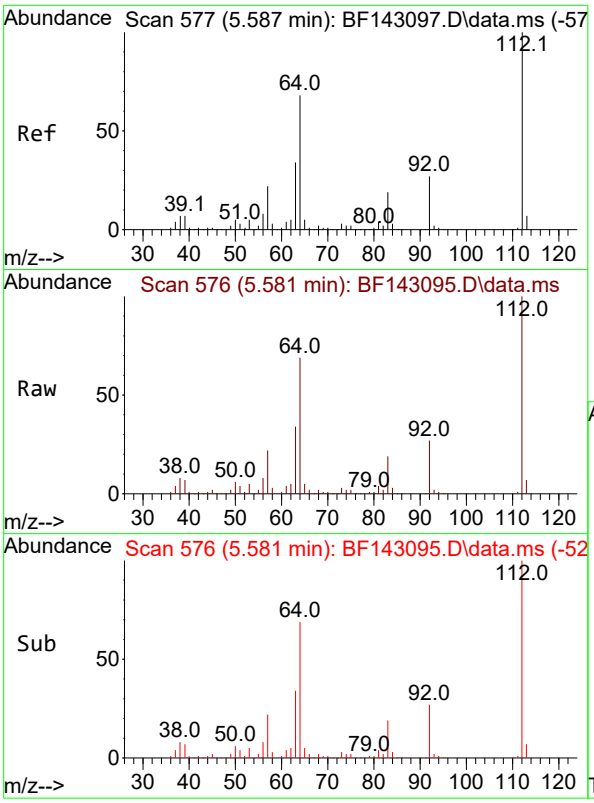



#4
n-Nitrosodimethylamine
Concen: 9.536 ng
RT: 3.504 min Scan# 223
Delta R.T. -0.018 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 42 Resp: 50912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 111.6 | 92.8 | 139.2 |
| 44 | 9.1 | 5.8 | 8.6# |






#5
2-Fluorophenol
Concen: 20.090 ng
RT: 5.581 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:112 Resp: 16423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 69.1 | 54.6 | 82.0 |
| 63 | 33.7 | 27.3 | 40.9 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

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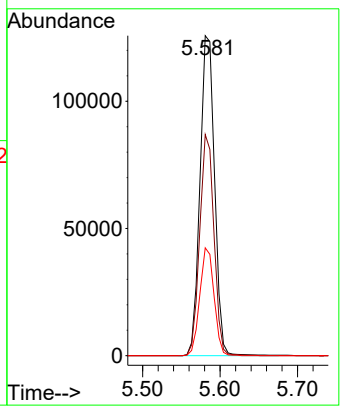
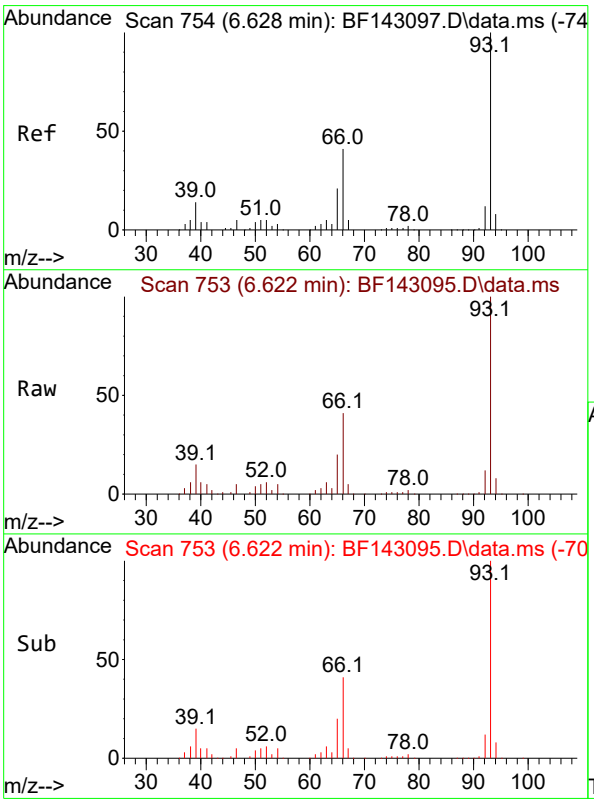
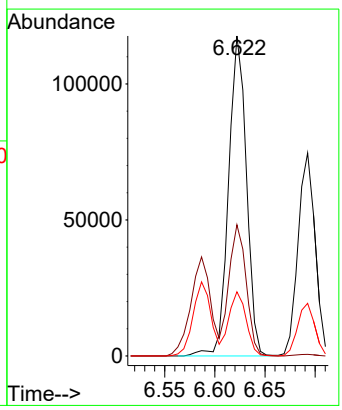


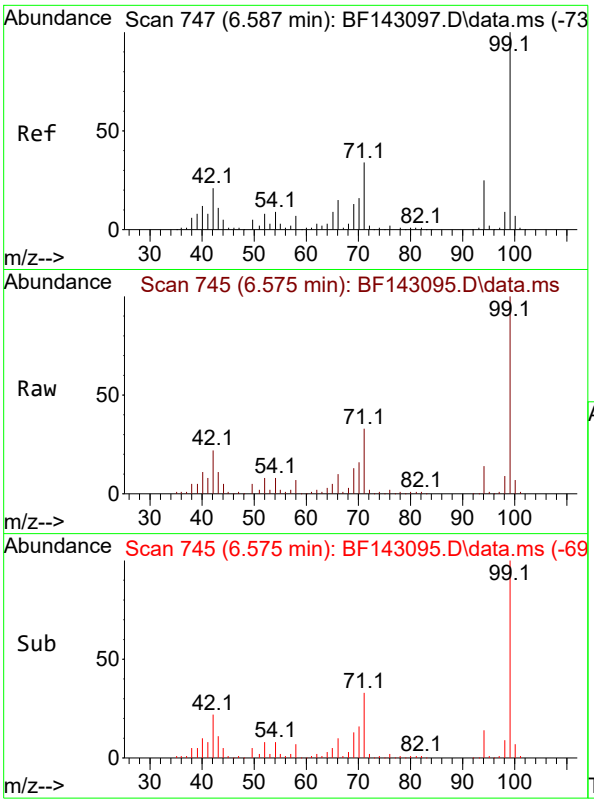




#6
Aniline
Concen: 10.060 ng
RT: 6.622 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 93 Resp: 145577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 41.0 | 33.1 | 49.7 |
| 65 | 20.1 | 16.9 | 25.3 |






#7
Phenol-d6
Concen: 20.317 ng
RT: 6.575 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 99 Resp: 20877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.2 | 17.2 | 25.8 |
| 71 | 32.8 | 27.4 | 41.0 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

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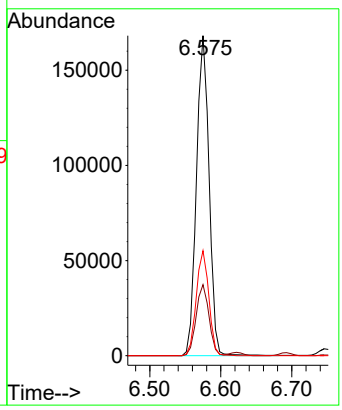
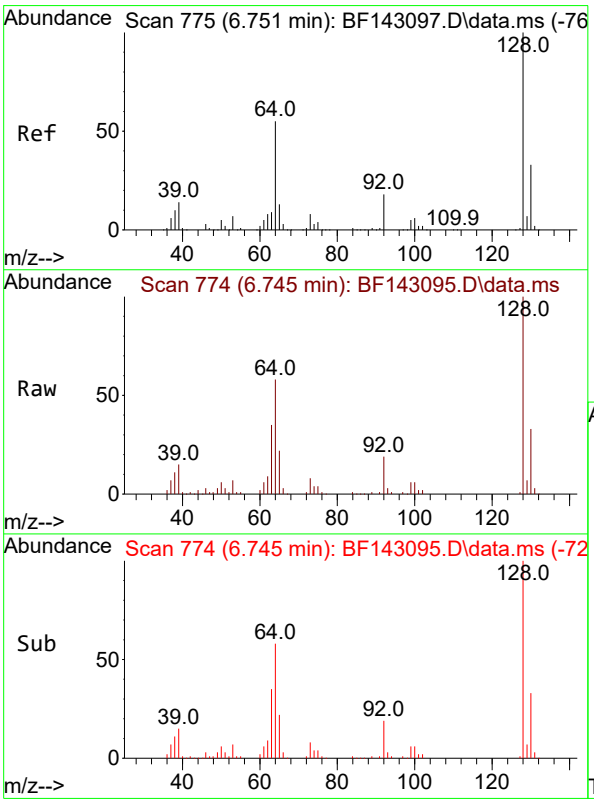
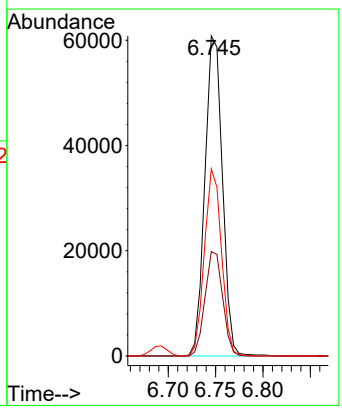


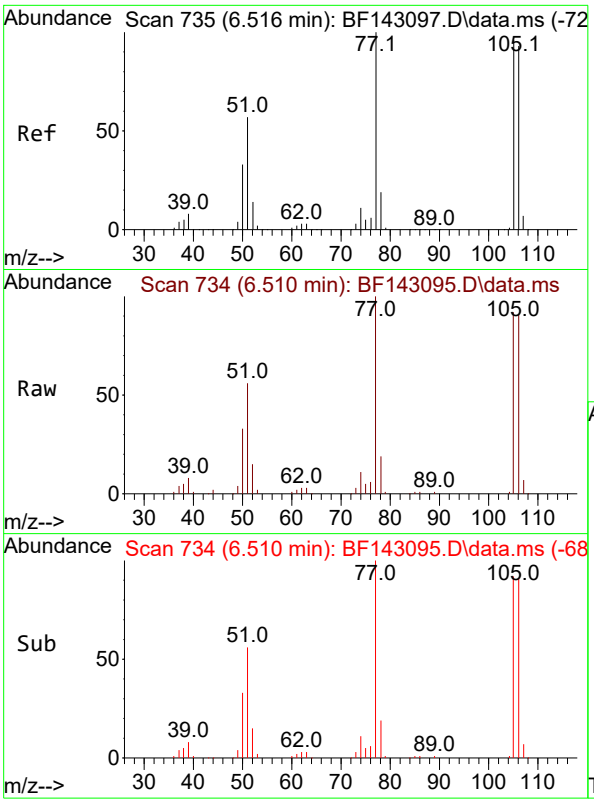




#8
2-Chlorophenol
Concen: 9.498 ng
RT: 6.745 min Scan# 774
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:128 Resp: 78009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.6 | 12.8 | 52.8 |
| 64 | 58.5 | 36.1 | 76.1 |

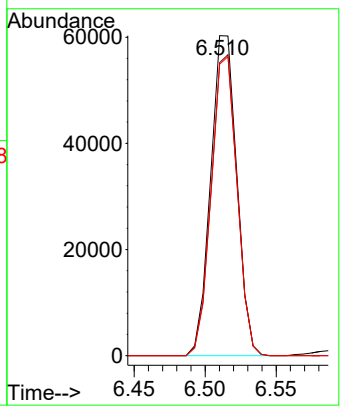





#9
Benzaldehyde
Concen: 9.862 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 77 Resp: 7721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 91.6 | 76.3 | 116.3 |
| 106 | 91.1 | 72.8 | 112.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

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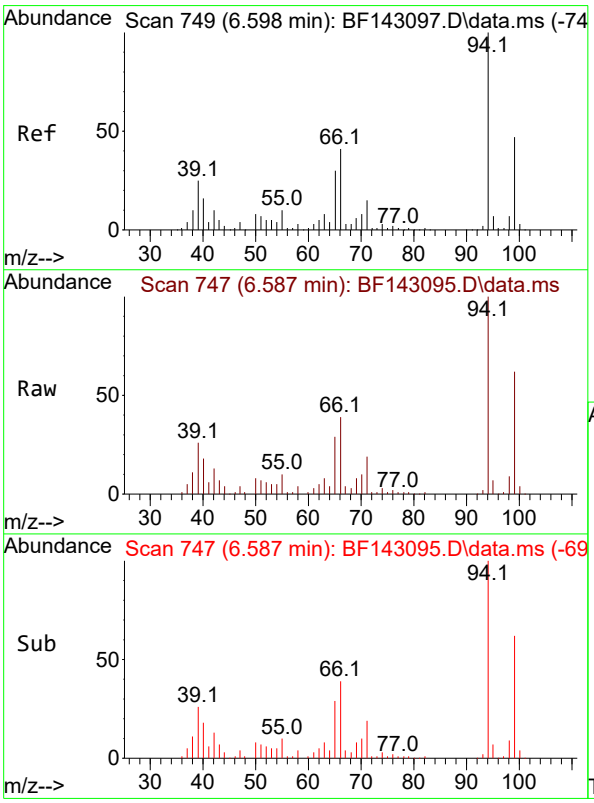
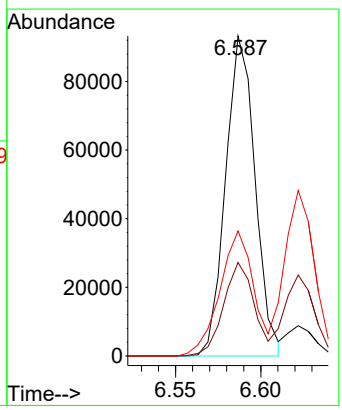
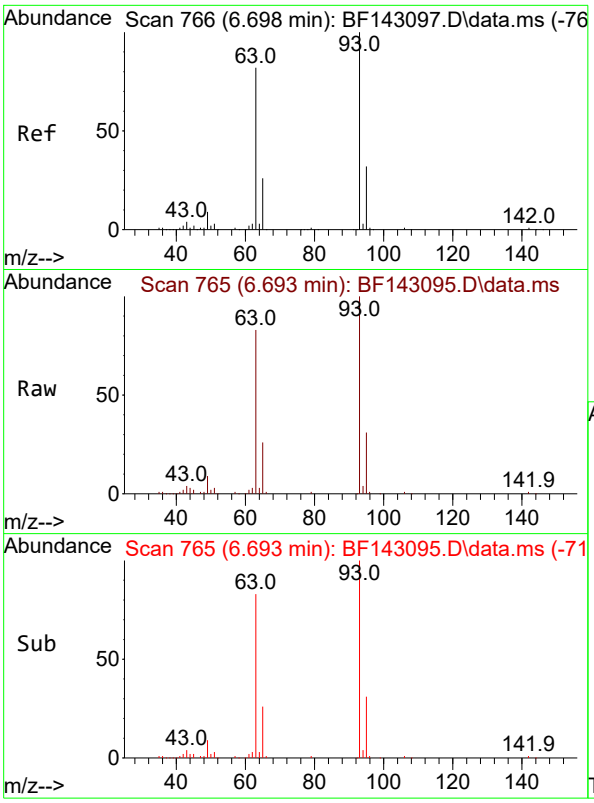



#10
Phenol
Concen: 10.114 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 94 Resp: 112508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.2 | 9.8 | 49.8 |
| 66 | 39.1 | 20.5 | 60.5 |

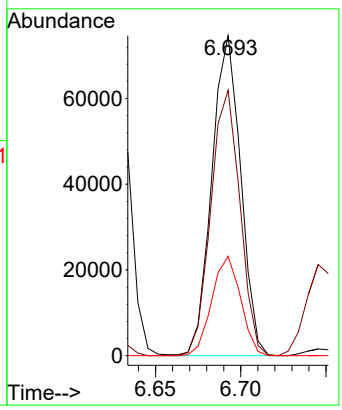





#11
bis(2-Chloroethyl)ether
Concen: 10.224 ng
RT: 6.693 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 93 Resp: 8804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 82.9 | 61.9 | 101.9 |
| 95 | 31.1 | 12.2 | 52.2 |

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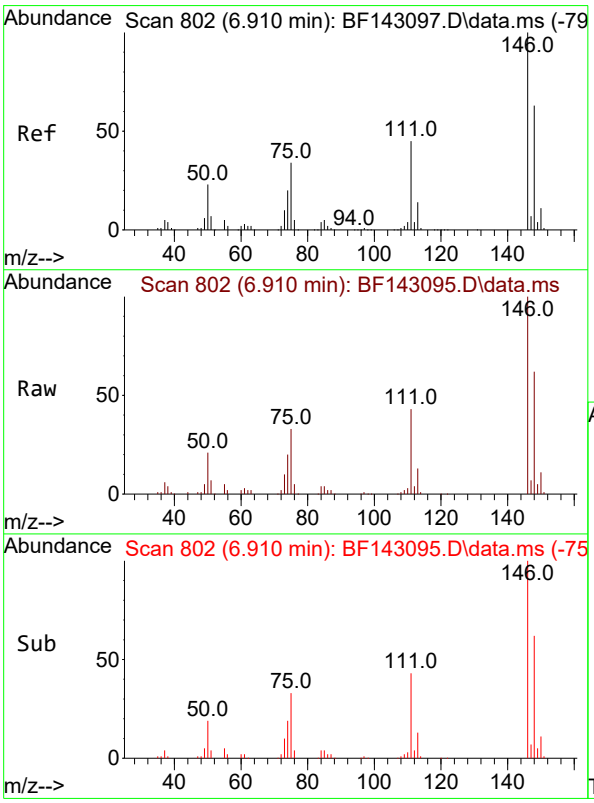
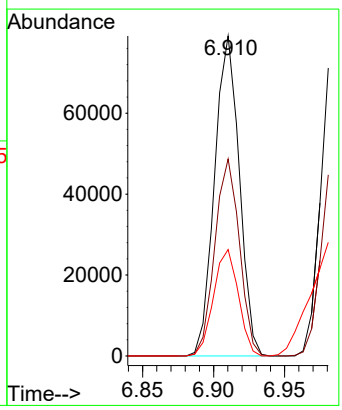
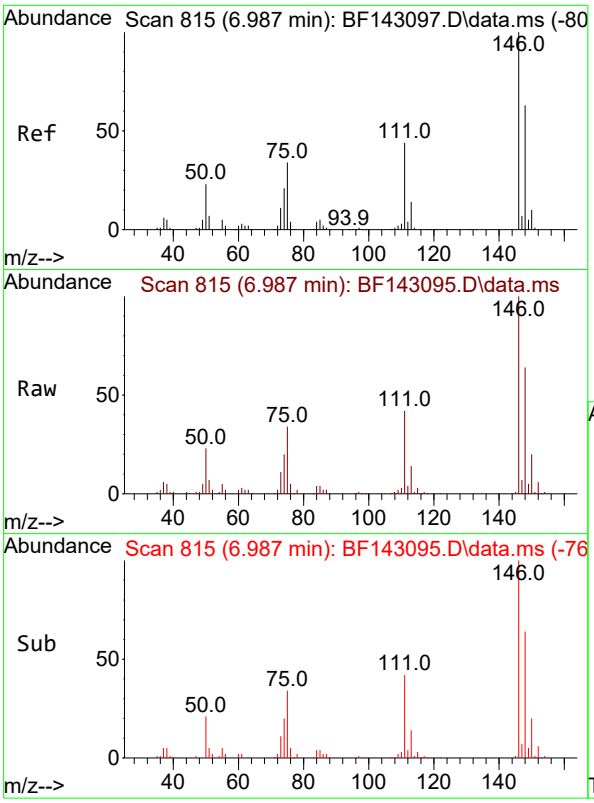



#12
1,3-Dichlorobenzene
Concen: 10.313 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:146 Resp: 95695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 61.6 | 50.1 | 75.1 |
| 75 | 33.3 | 27.4 | 41.0 |

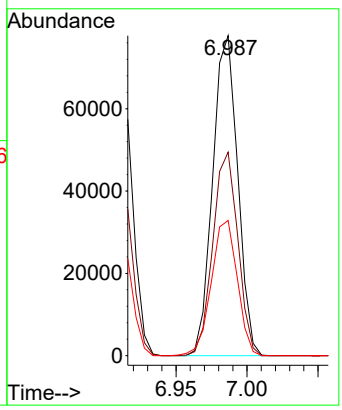





#13
1,4-Dichlorobenzene
Concen: 10.191 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:146 Resp: 9513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.6 | 50.6 | 76.0 |
| 111 | 42.2 | 35.0 | 52.6 |

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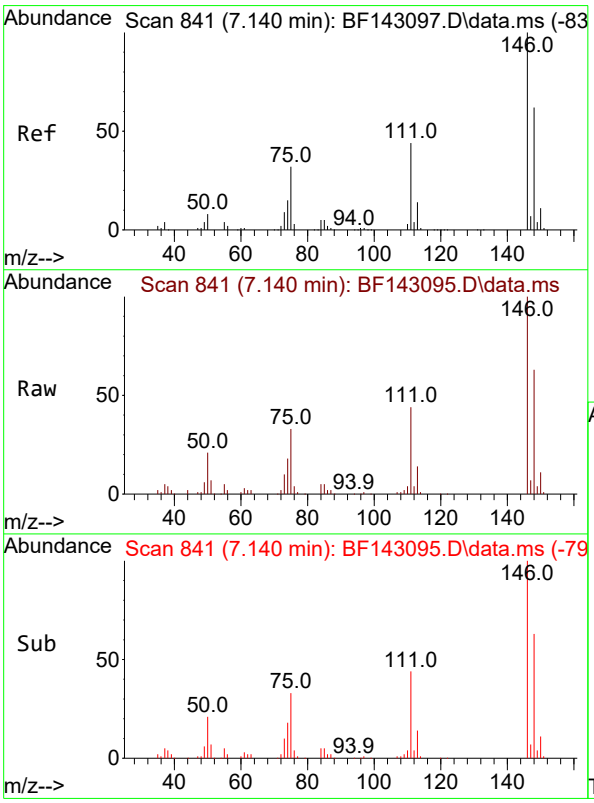
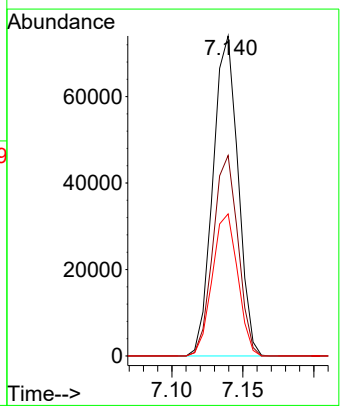
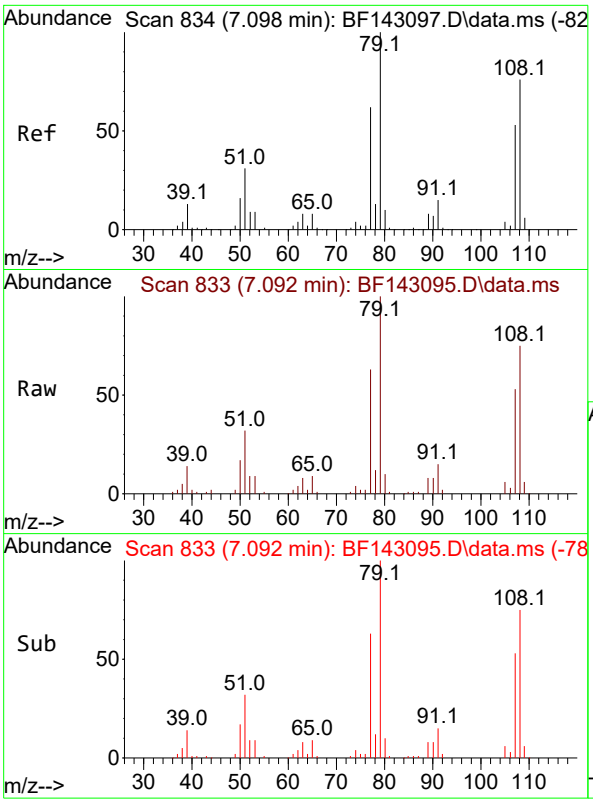



#14
1,2-Dichlorobenzene
Concen: 10.218 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:146 Resp: 90960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.6 | 49.8 | 74.6 |
| 111 | 44.4 | 35.4 | 53.0 |

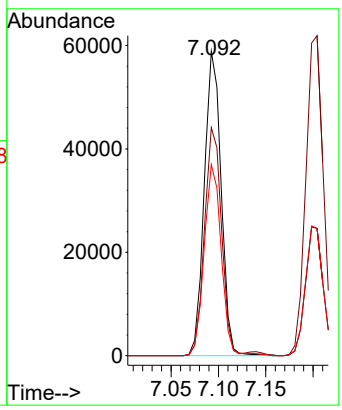





#15
Benzyl Alcohol
Concen: 9.554 ng
RT: 7.092 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 79 Resp: 7274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 74.9 | 61.1 | 91.7 |
| 77 | 62.8 | 49.9 | 74.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
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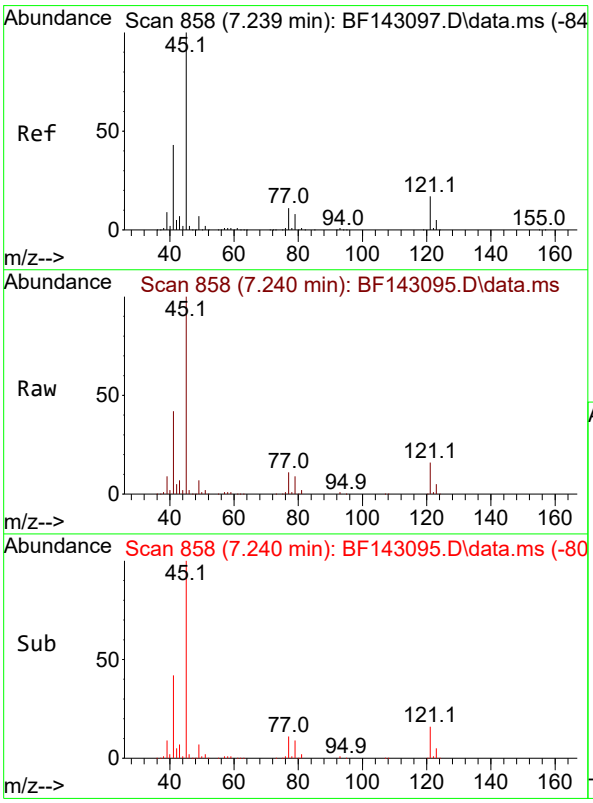
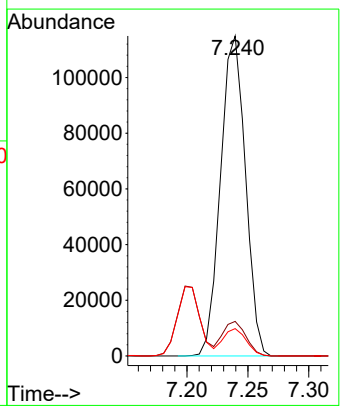
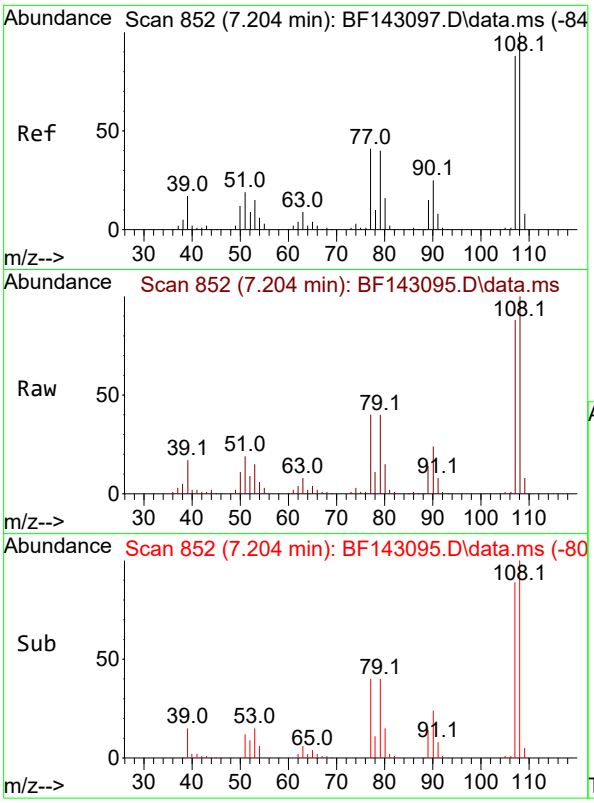



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.299 ng
RT: 7.240 min Scan# 858
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 45 Resp: 163494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 10.8 | 0.0 | 31.1 |
| 79 | 8.6 | 0.0 | 28.4 |

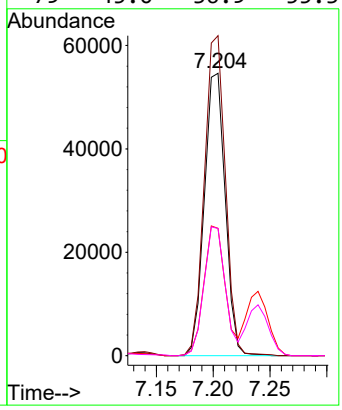





#17
2-Methylphenol
Concen: 9.849 ng
RT: 7.204 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:107 Resp: 6980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.3 | 90.9 | 136.3 |
| 77 | 45.1 | 37.5 | 56.3 |
| 79 | 45.0 | 36.9 | 55.3 |




**Instrument :**
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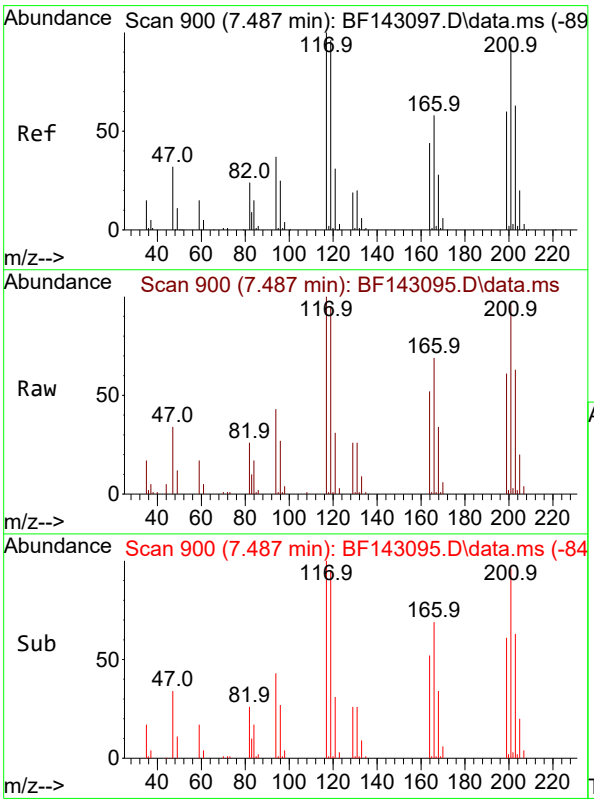
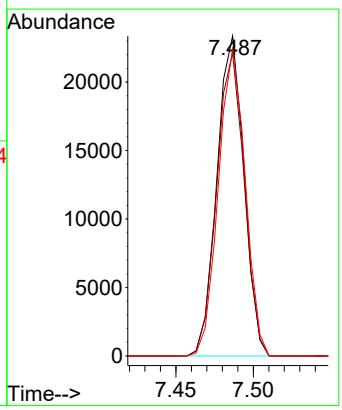
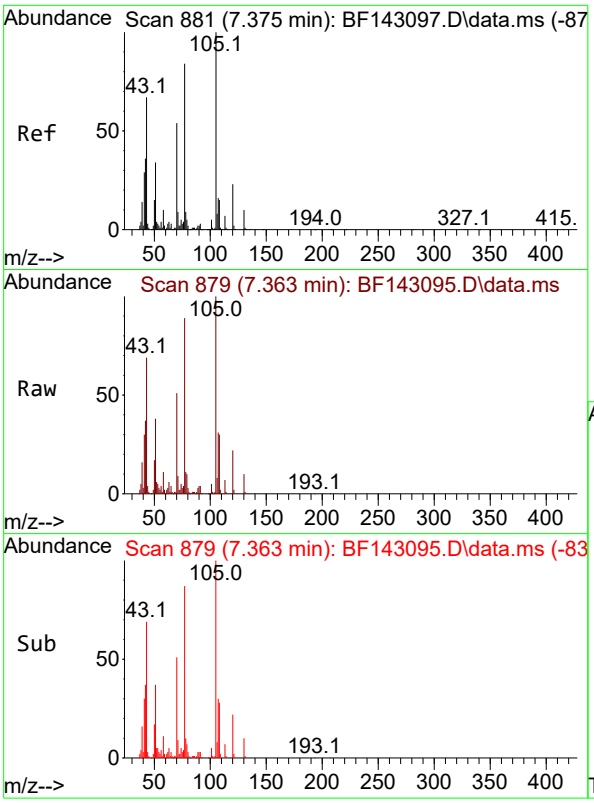



#18
Hexachloroethane
Concen: 9.345 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:117 Resp: 28400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.7 | 76.7 | 115.1 |
| 201 | 95.9 | 75.0 | 112.4 |

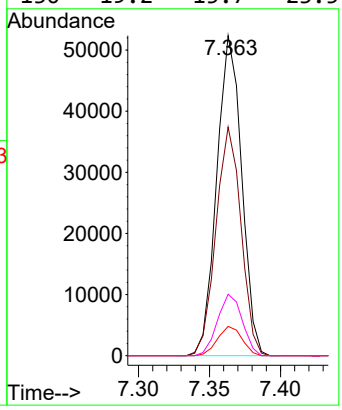





#19
n-Nitroso-di-n-propylamine
Concen: 10.139 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 70 Resp: 6383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 71.4 | 53.2 | 79.8 |
| 101 | 9.2 | 7.5 | 11.3 |
| 130 | 19.2 | 15.7 | 23.5 |




**Instrument :**
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**ClientSampleId :**
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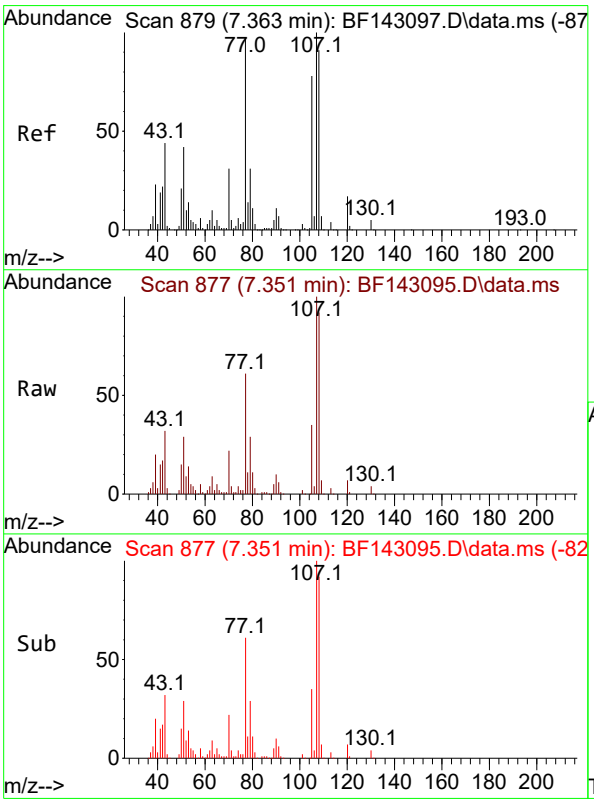
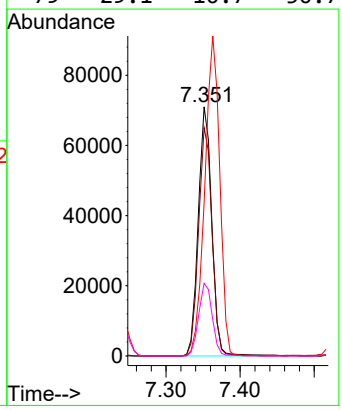
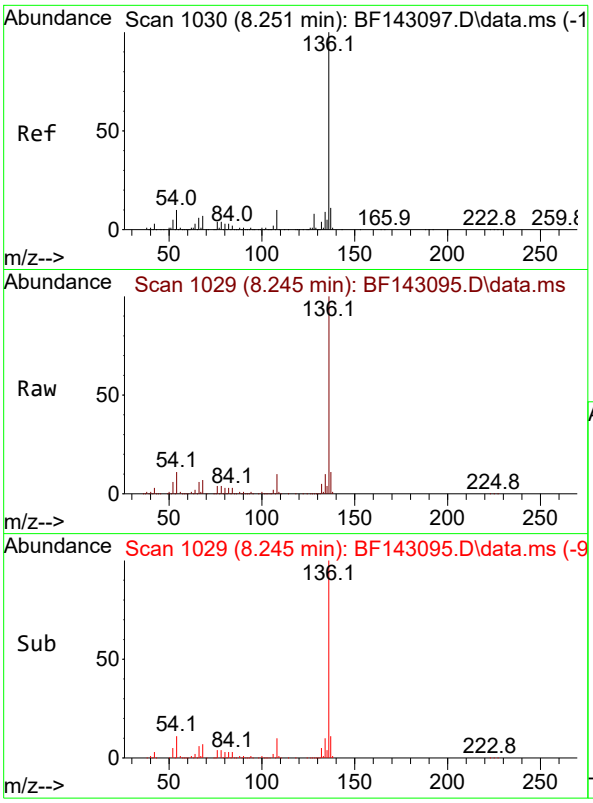



#20
3+4-Methylphenols
Concen: 10.391 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:107 Resp: 90318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.6 | 71.3 | 111.3 |
| 77 | 61.4 | 77.2 | 117.2# |
| 79 | 29.1 | 10.7 | 50.7 |

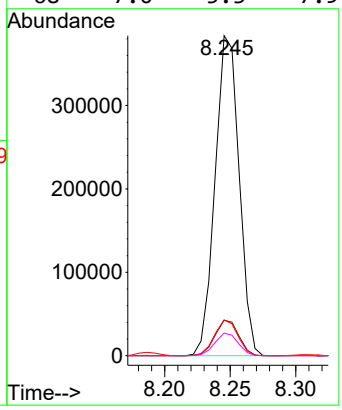





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:136 Resp: 48863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.9 | 13.3 |
| 54 | 11.2 | 8.3 | 12.5 |
| 68 | 7.0 | 5.3 | 7.9 |




**Instrument :**
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SSTDICC010

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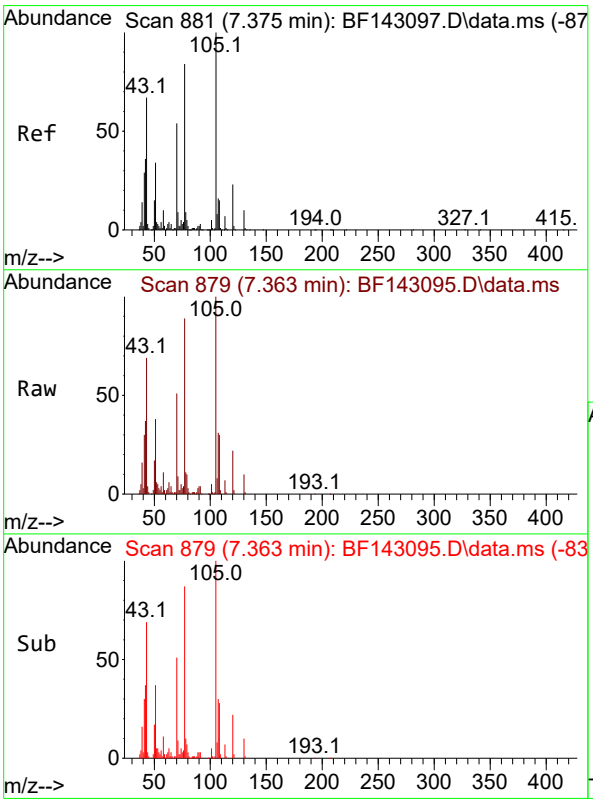
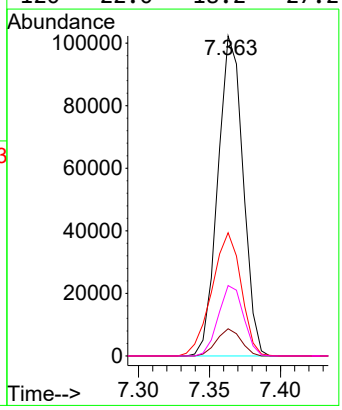
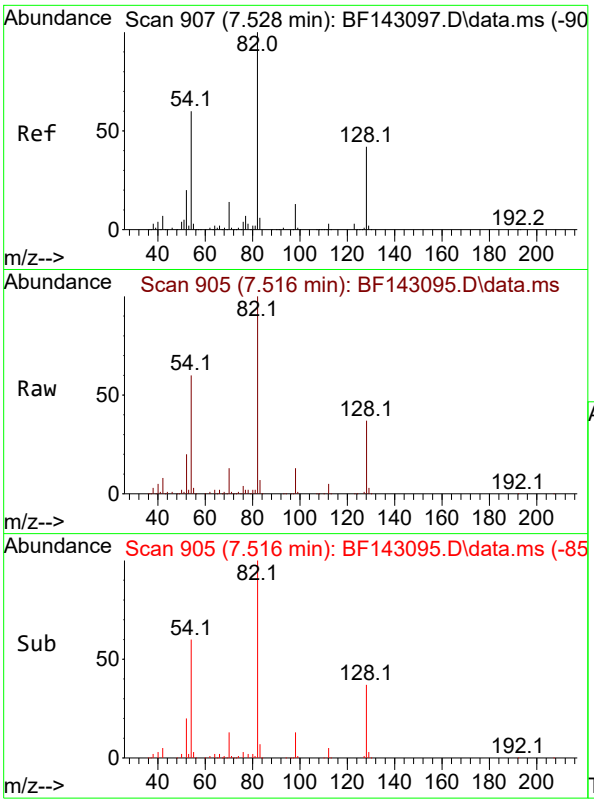



#22
Acetophenone
Concen: 10.708 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:105 Resp: 126127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.5 | 7.2 | 10.8 |
| 51 | 38.5 | 27.0 | 40.4 |
| 120 | 22.0 | 18.2 | 27.2 |

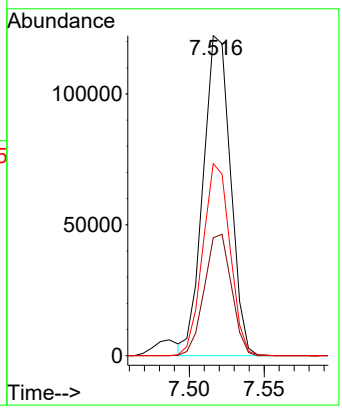





#23
Nitrobenzene-d5
Concen: 17.910 ng m
RT: 7.516 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 82 Resp: 15600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 36.8 | 33.3 | 49.9 |
| 54 | 60.0 | 47.4 | 71.2 |




**Instrument :**
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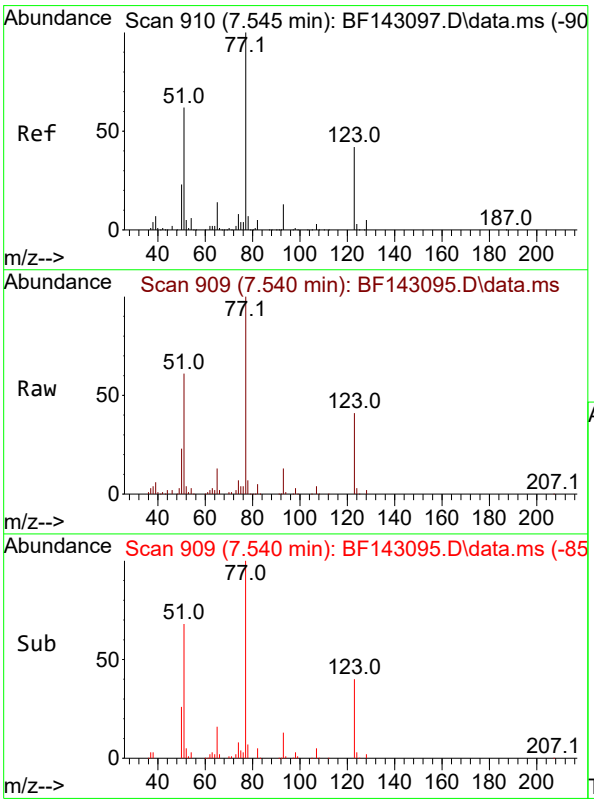
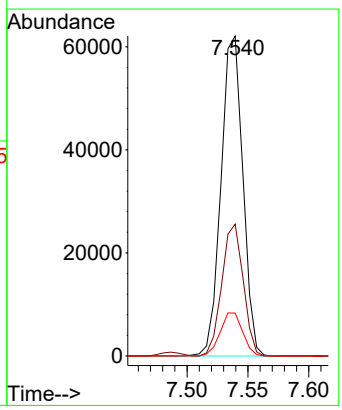
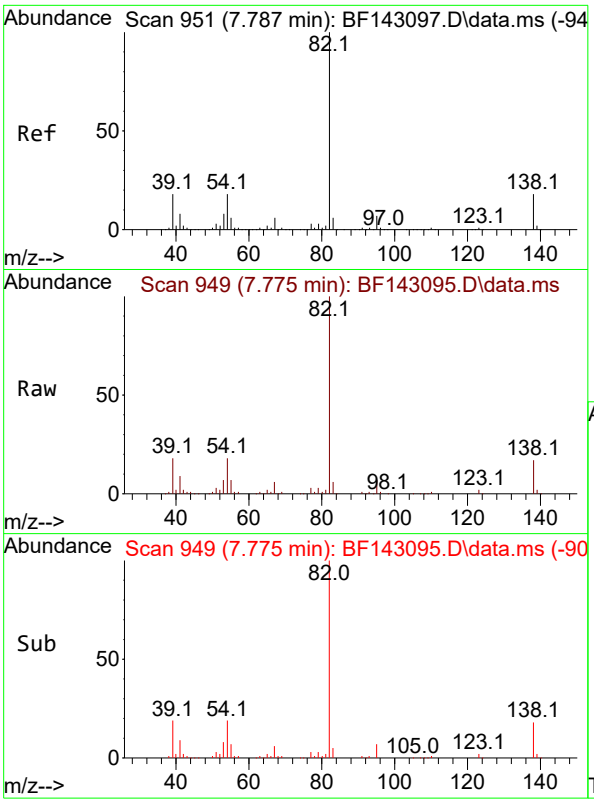



#24
Nitrobenzene
Concen: 9.201 ng
RT: 7.540 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 77 Resp: 77369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 41.2 | 34.5 | 51.7 |
| 65 | 13.4 | 11.3 | 16.9 |

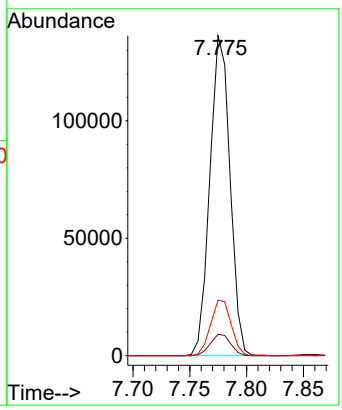





#25
Isophorone
Concen: 9.978 ng
RT: 7.775 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 82 Resp: 16798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.7 | 5.6 | 8.4 |
| 138 | 17.4 | 14.3 | 21.5 |




**Instrument :**
BNA_F
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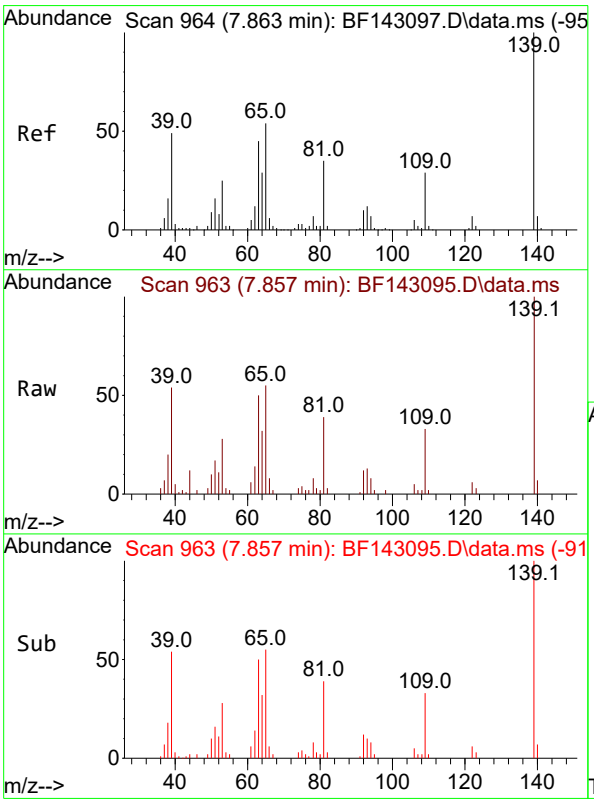
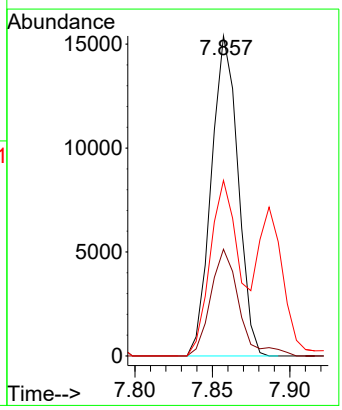
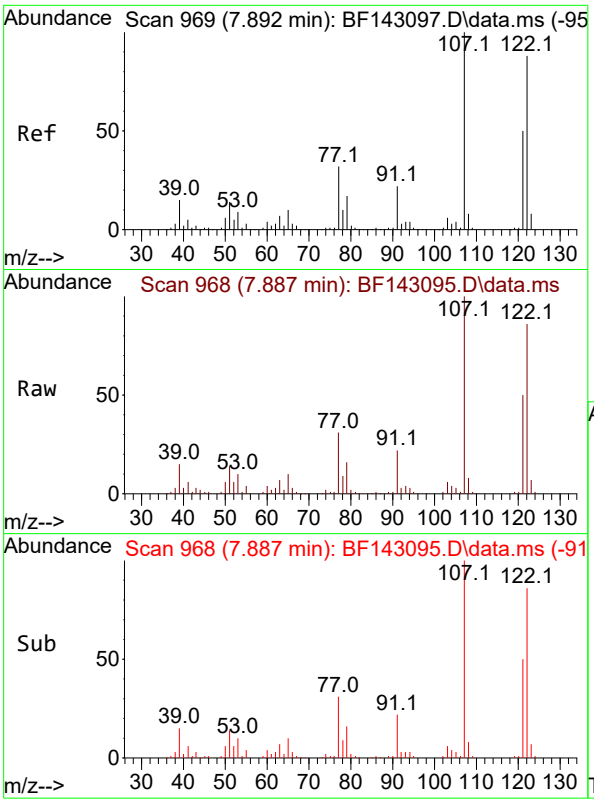



#26
2-Nitrophenol
Concen: 8.966 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:139 Resp: 18432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 33.4 | 23.4 | 35.0 |
| 65 | 54.8 | 43.4 | 65.2 |

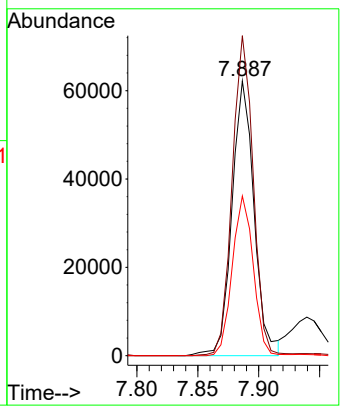





#27
2,4-Dimethylphenol
Concen: 10.072 ng
RT: 7.887 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:122 Resp: 7870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 116.5 | 91.3 | 136.9 |
| 121 | 58.1 | 45.5 | 68.3 |




**Instrument :**
BNA_F
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SSTDICC010

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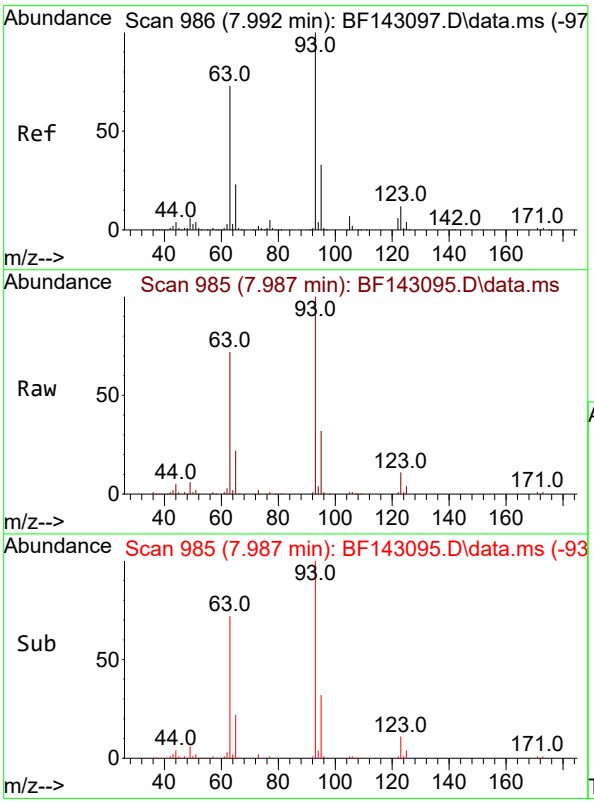
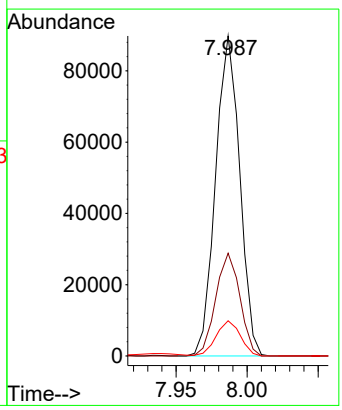
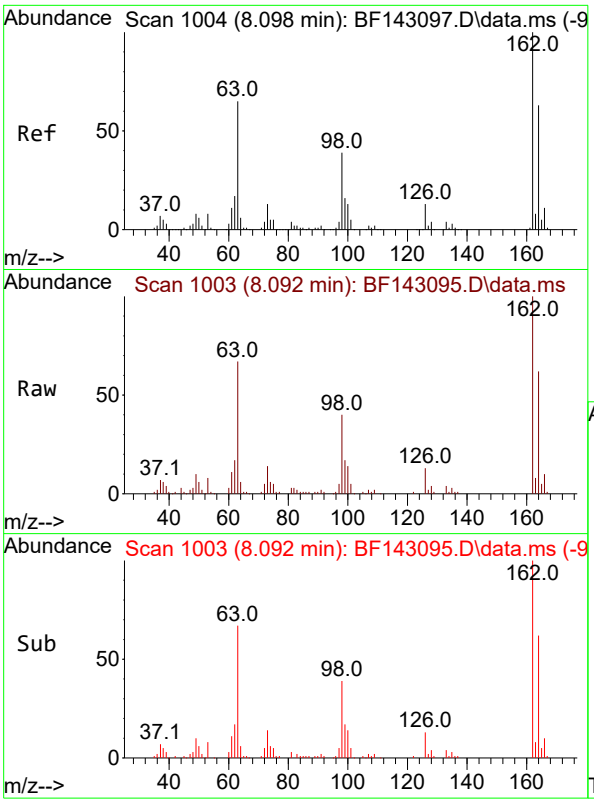



#28
bis(2-Chloroethoxy)methane
Concen: 10.387 ng
RT: 7.987 min Scan# 985
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 93 Resp: 106045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.1 | 26.2 | 39.4 |
| 123 | 11.0 | 9.6 | 14.4 |

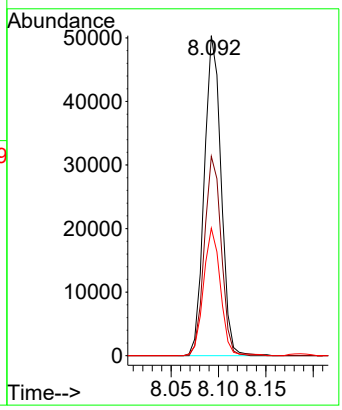





#29
2,4-Dichlorophenol
Concen: 9.724 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:162 Resp: 6216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 62.3 | 43.1 | 83.1 |
| 98 | 39.8 | 19.2 | 59.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

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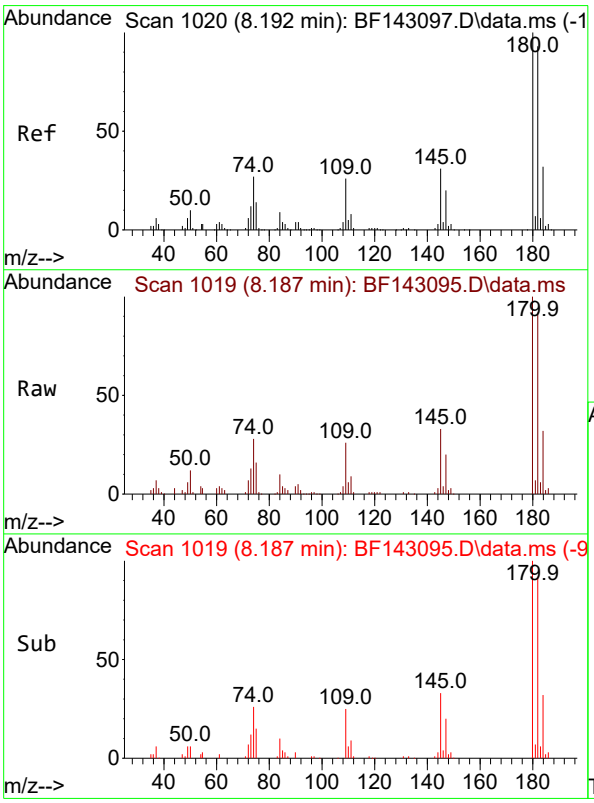
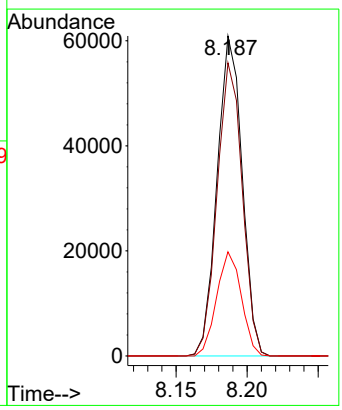
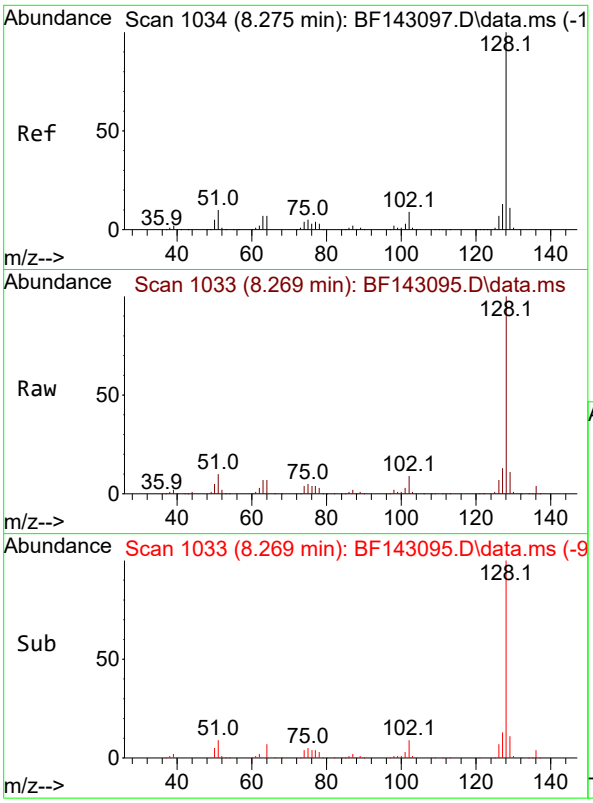



#30
1,2,4-Trichlorobenzene
Concen: 10.280 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:180 Resp: 74581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.6 | 74.7 | 112.1 |
| 145 | 32.5 | 24.5 | 36.7 |

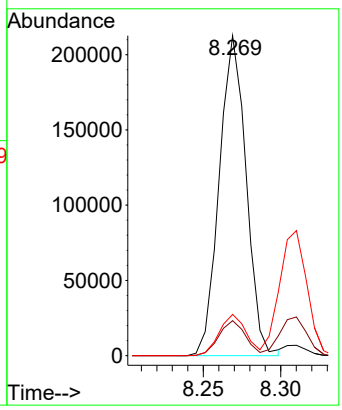





#31
Naphthalene
Concen: 10.551 ng
RT: 8.269 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:128 Resp: 25603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 9.0 | 13.4 |
| 127 | 12.9 | 10.5 | 15.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

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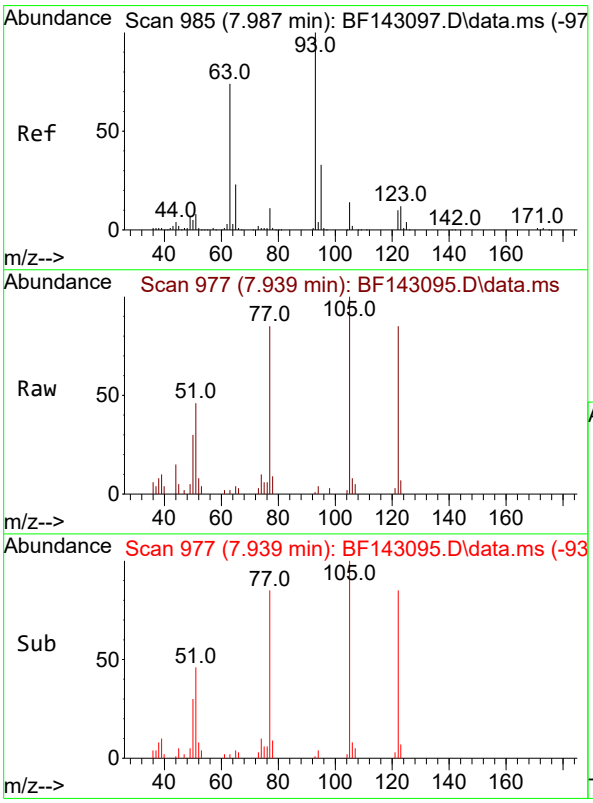
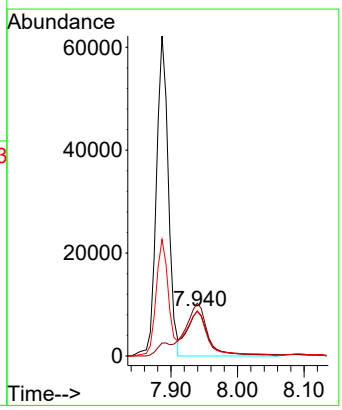
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

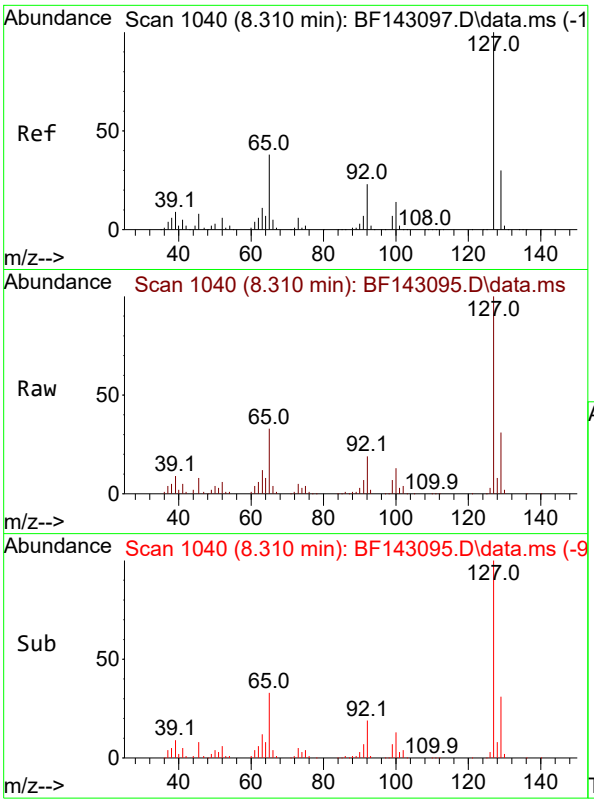



#32
Benzoic acid
Concen: 10.880 ng m
RT: 7.939 min Scan# 977
Delta R.T. -0.048 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:122 Resp: 19661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 117.5 | 105.4 | 145.4 |
| 77 | 99.5 | 78.6 | 118.6 |

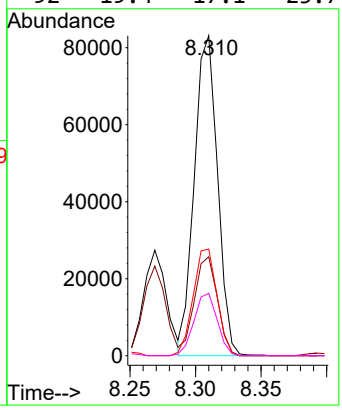





#33
4-Chloroaniline
Concen: 10.510 ng
RT: 8.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:127 Resp: 10255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 30.9 | 26.2 | 39.4 |
| 65 | 33.3 | 28.6 | 42.8 |
| 92 | 19.4 | 17.1 | 25.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

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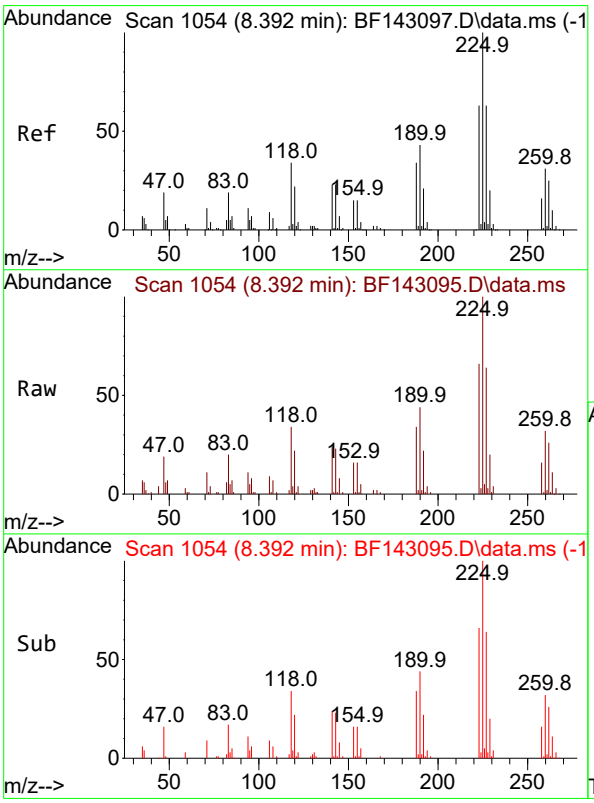
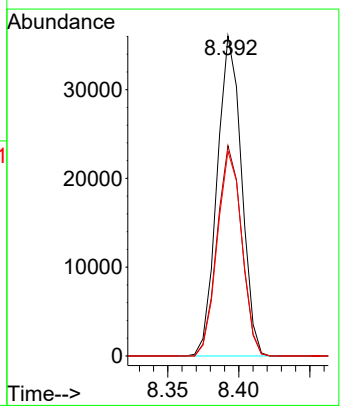
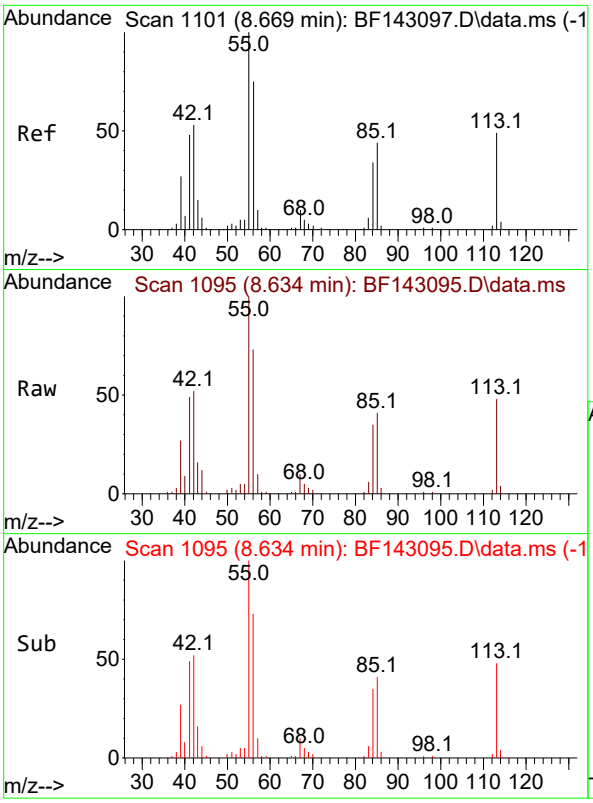



#34
Hexachlorobutadiene
Concen: 9.901 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:225 Resp: 42959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.7 | 50.3 | 75.5 |
| 227 | 63.9 | 50.1 | 75.1 |






#35
Caprolactam
Concen: 8.944 ng
RT: 8.634 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:113 Resp: 1785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 206.2 | 186.2 | 226.2 |
| 56 | 150.0 | 134.1 | 174.1 |

**Instrument :**
BNA_F
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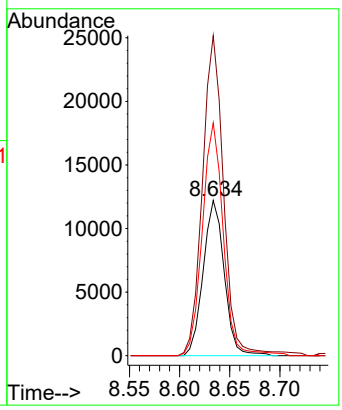
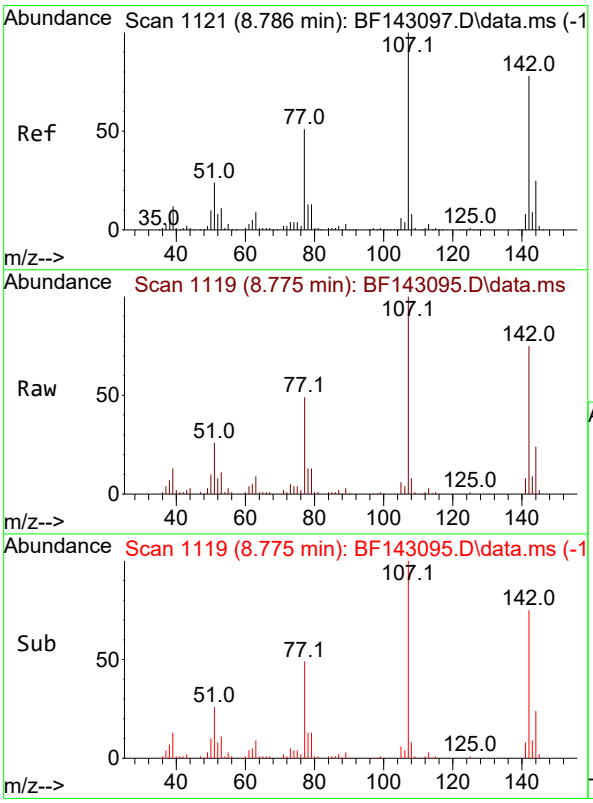
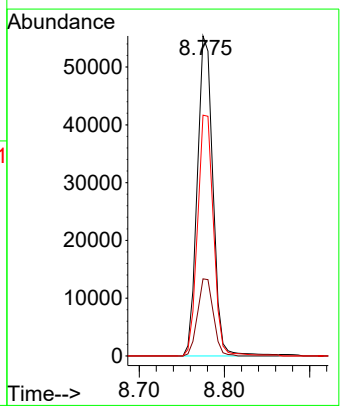


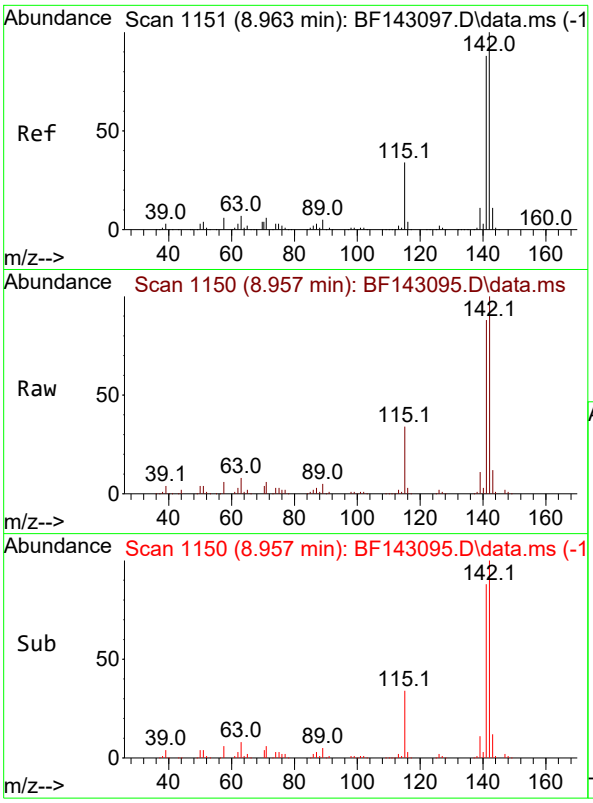




#36
4-Chloro-3-methylphenol
Concen: 9.935 ng
RT: 8.775 min Scan# 1119
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:107 Resp: 70747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.1 | 20.2 | 30.2 |
| 142 | 75.2 | 62.4 | 93.6 |

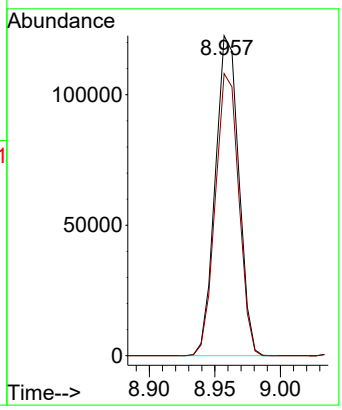





#37
2-Methylnaphthalene
Concen: 10.557 ng
RT: 8.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:142 Resp: 15282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.2 | 70.2 | 105.2 |




**Instrument :**
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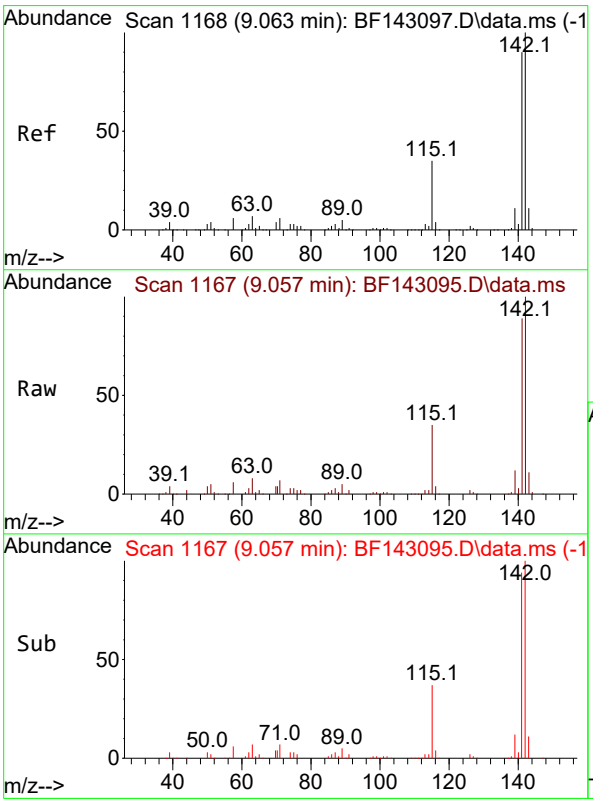
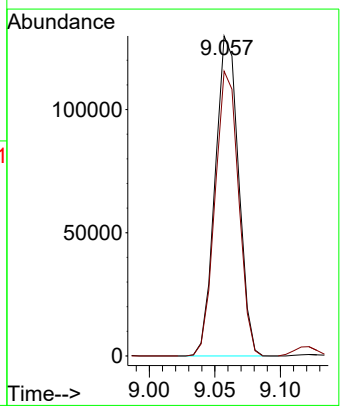
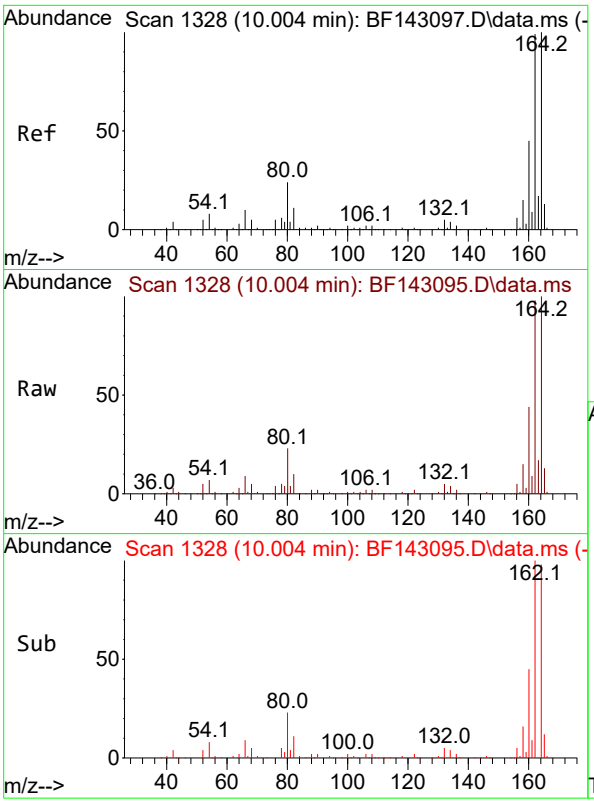



#38
1-Methylnaphthalene
Concen: 10.739 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:142 Resp: 161228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.0 | 72.2 | 108.4 |

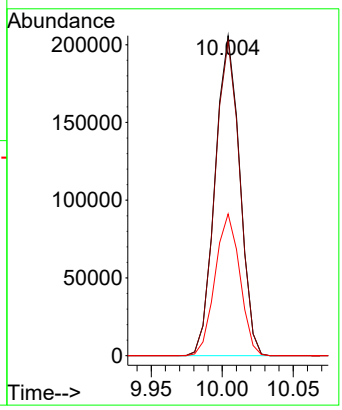





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:164 Resp: 24801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.3 | 79.0 | 118.6 |
| 160 | 44.3 | 35.8 | 53.6 |




**Instrument :**
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SSTDICC010

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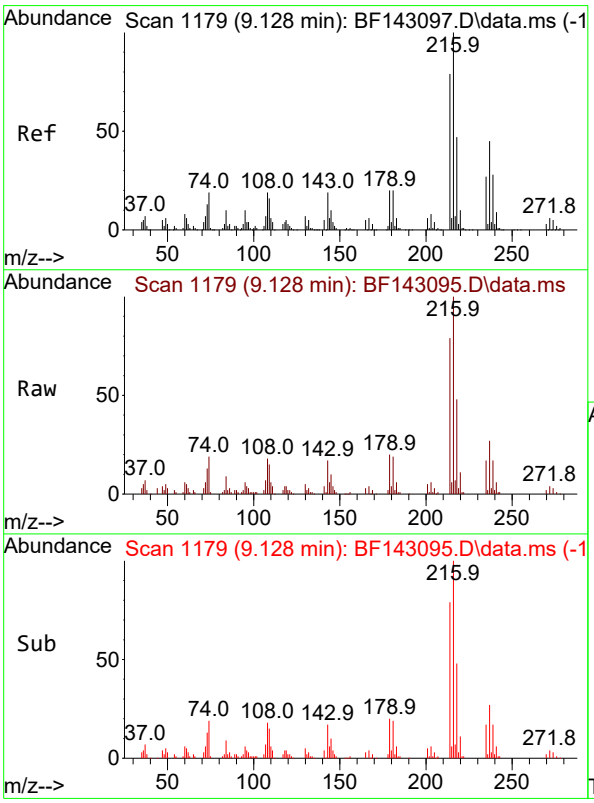
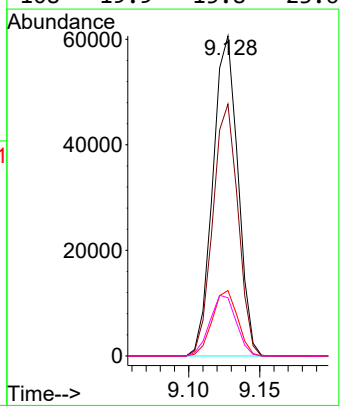
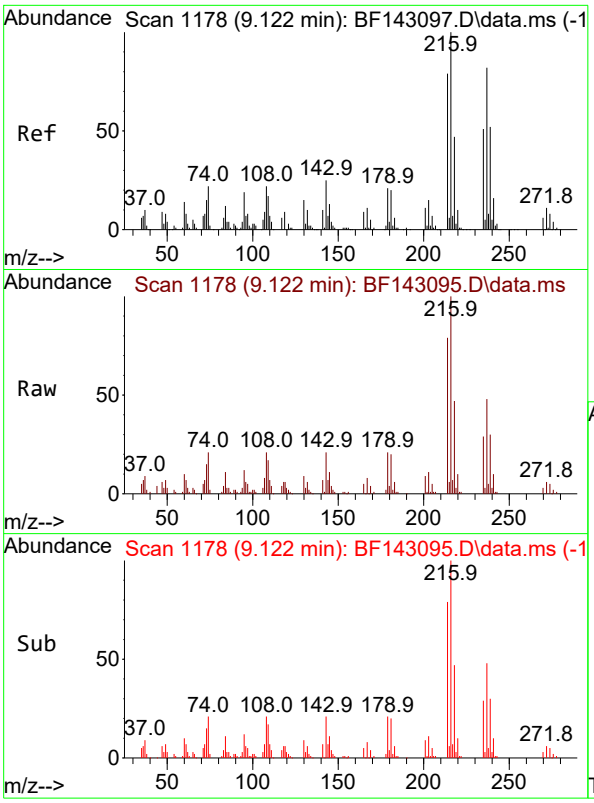



#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.287 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:216 Resp: 74348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.7 | 62.6 | 94.0 |
| 179 | 20.7 | 16.2 | 24.2 |
| 108 | 19.9 | 15.8 | 23.6 |






#41
Hexachlorocyclopentadiene
Concen: 7.854 ng
RT: 9.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:237 Resp: 3147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.8 | 41.6 | 81.6 |
| 272 | 12.6 | 0.0 | 32.9 |

**Instrument :**
BNA_F
**ClientSampleId :**
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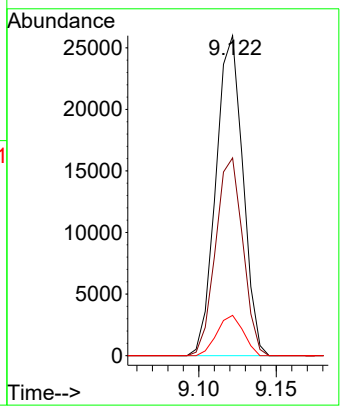
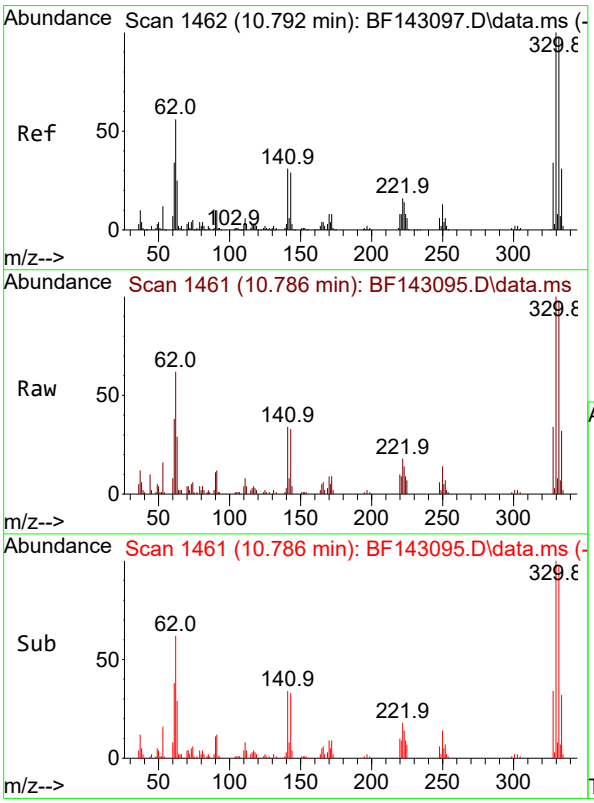
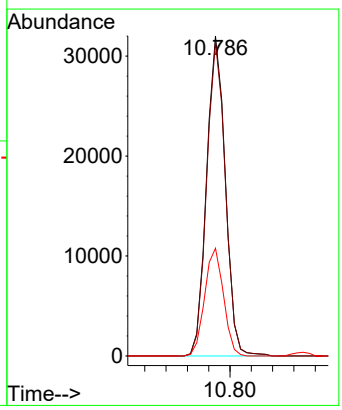


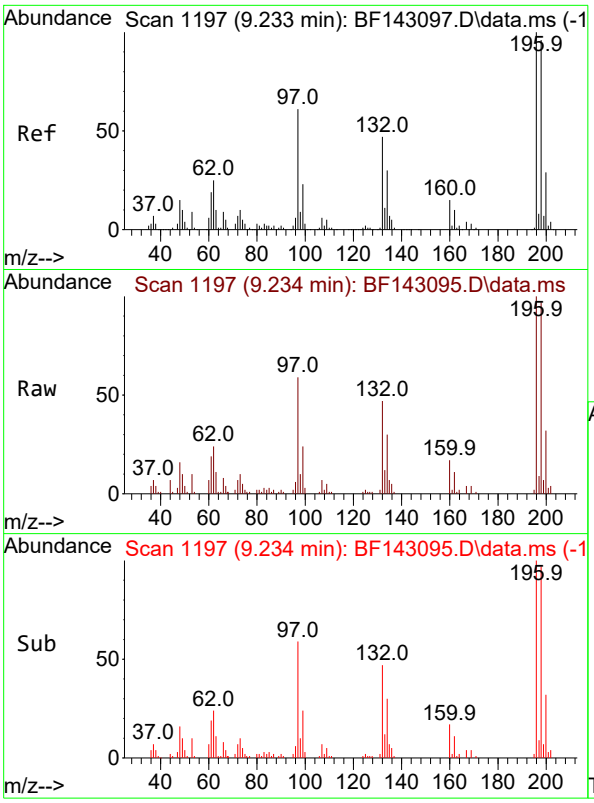




#42
2,4,6-Tribromophenol
Concen: 17.661 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:330 Resp: 39055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.1 | 77.9 | 116.9 |
| 141 | 33.8 | 25.9 | 38.9 |

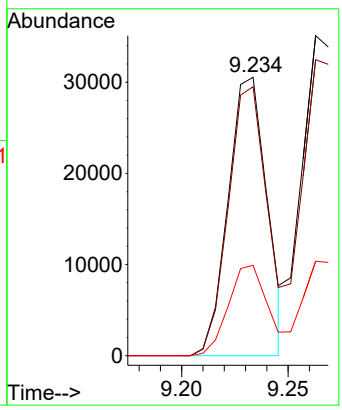





#43
2,4,6-Trichlorophenol
Concen: 8.628 ng
RT: 9.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:196 Resp: 3874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.6 | 76.9 | 115.3 |
| 200 | 32.5 | 23.5 | 35.3 |

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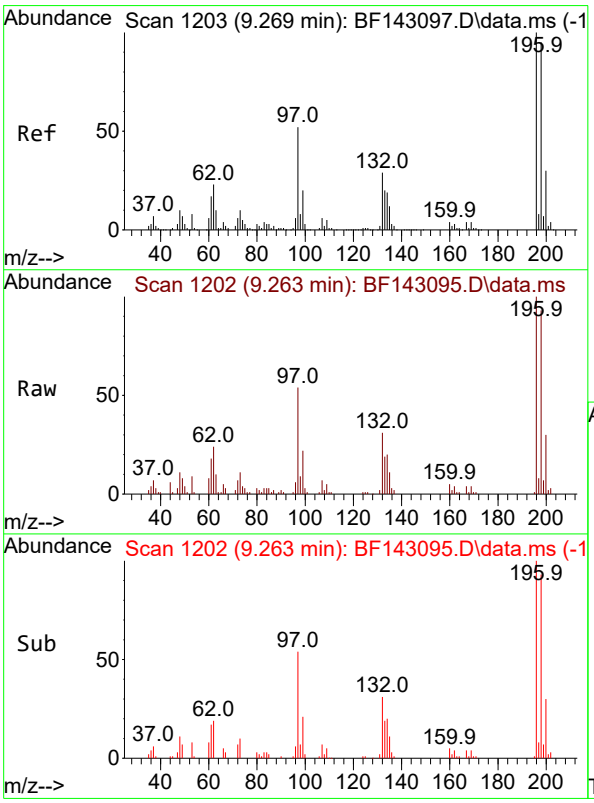
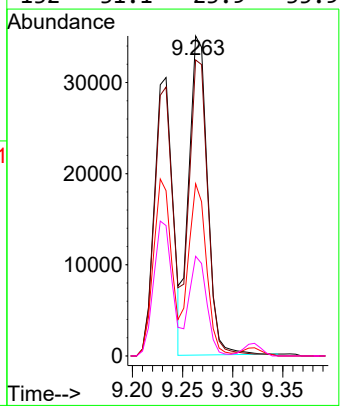
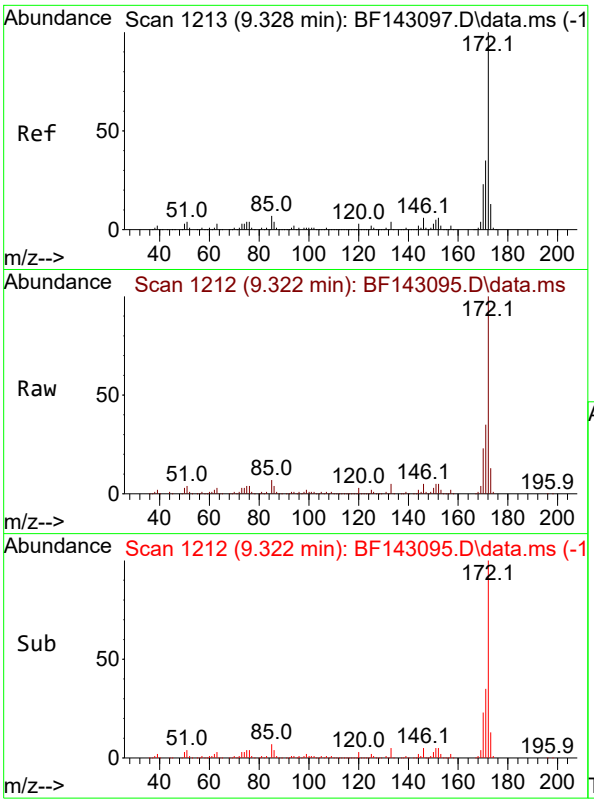



#44
2,4,5-Trichlorophenol
Concen: 9.653 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:196 Resp: 45455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 92.5 | 76.4 | 114.6 |
| 97 | 53.8 | 42.4 | 63.6 |
| 132 | 31.1 | 23.9 | 35.9 |

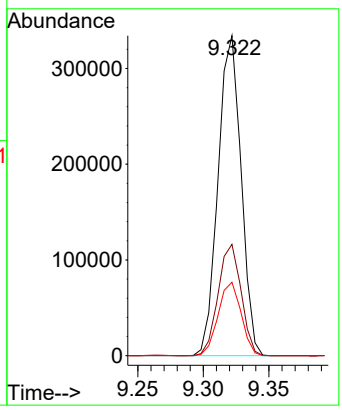





#45
2-Fluorobiphenyl
Concen: 21.860 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:172 Resp: 40786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.8 | 28.2 | 42.4 |
| 170 | 23.0 | 18.6 | 28.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

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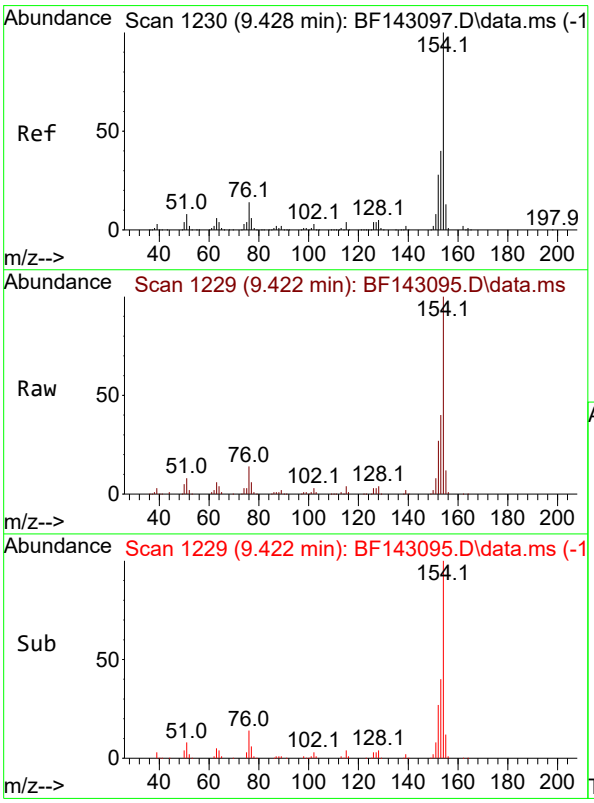
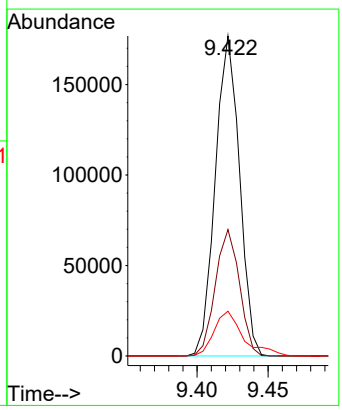
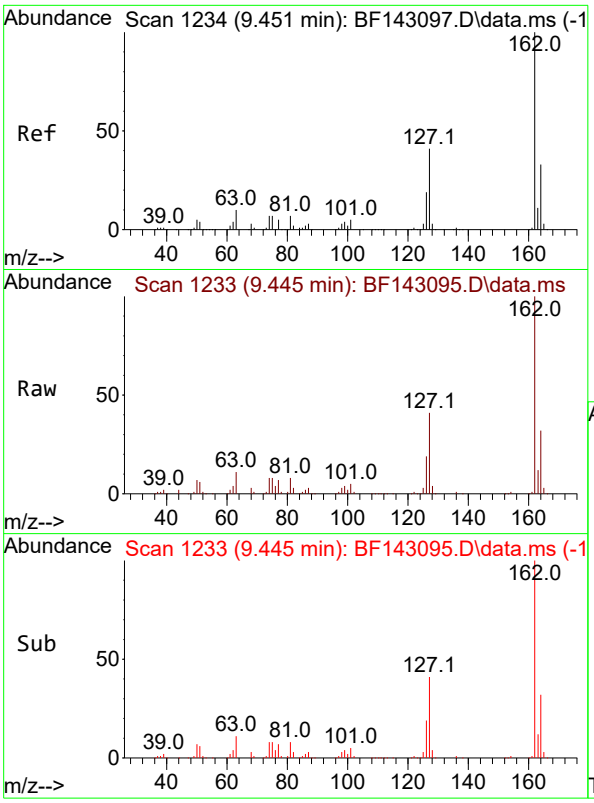



#46
1,1'-Biphenyl
Concen: 10.580 ng
RT: 9.422 min Scan# 1229
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:154 Resp: 209259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.5 | 20.1 | 60.1 |
| 76 | 14.0 | 0.0 | 33.7 |

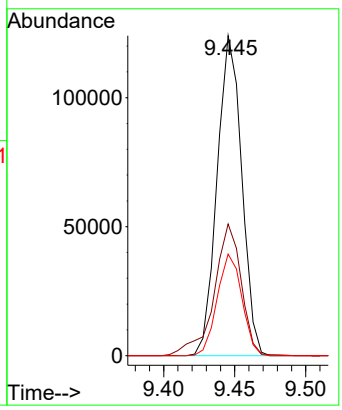





#47
2-Chloronaphthalene
Concen: 10.267 ng
RT: 9.445 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:162 Resp: 14917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.1 | 33.0 | 49.6 |
| 164 | 31.8 | 26.1 | 39.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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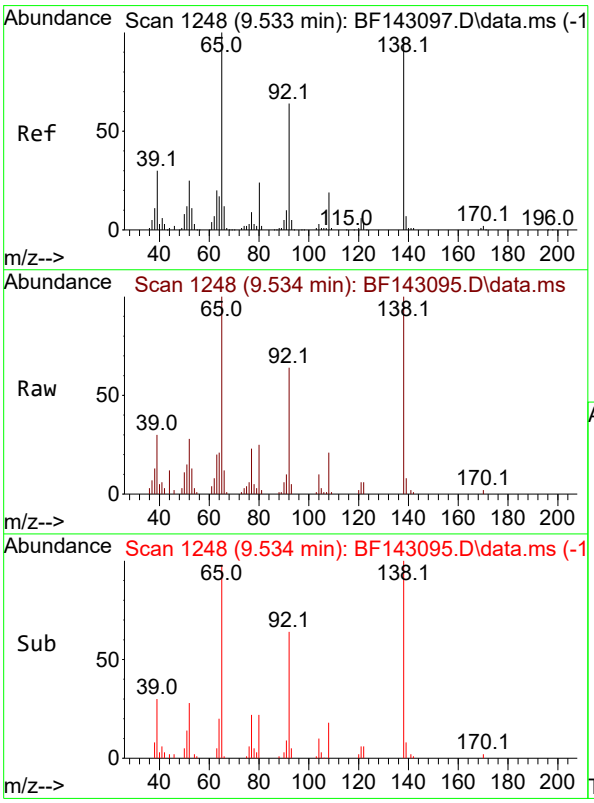
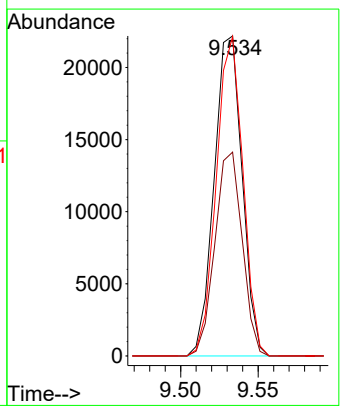
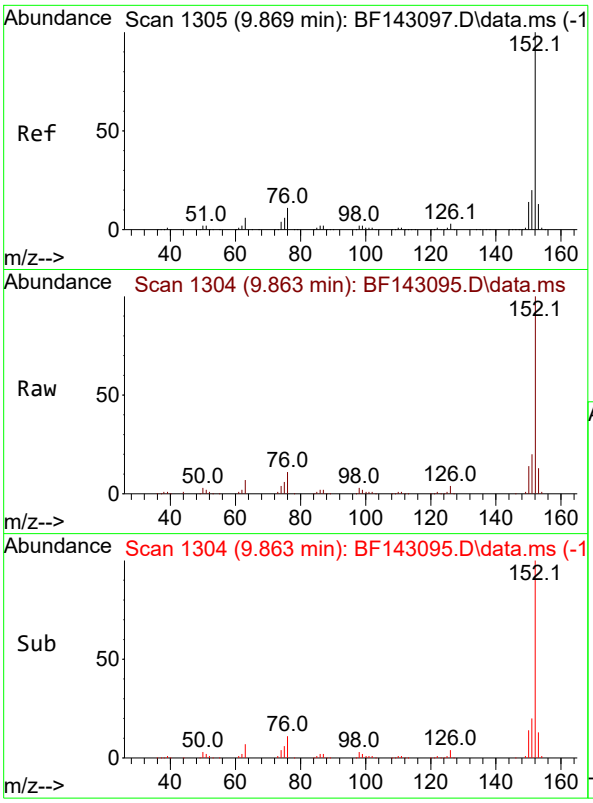



#48
2-Nitroaniline
Concen: 9.163 ng
RT: 9.534 min Scan# 1248
Delta R.T. 0.001 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 65 Resp: 27816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 63.7 | 51.3 | 76.9 |
| 138 | 99.7 | 77.8 | 116.6 |

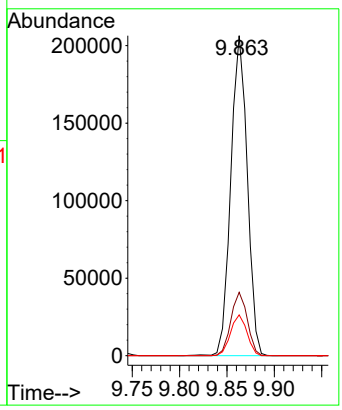





#49
Acenaphthylene
Concen: 10.302 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:152 Resp: 24943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 15.8 | 23.8 |
| 153 | 12.8 | 10.4 | 15.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**

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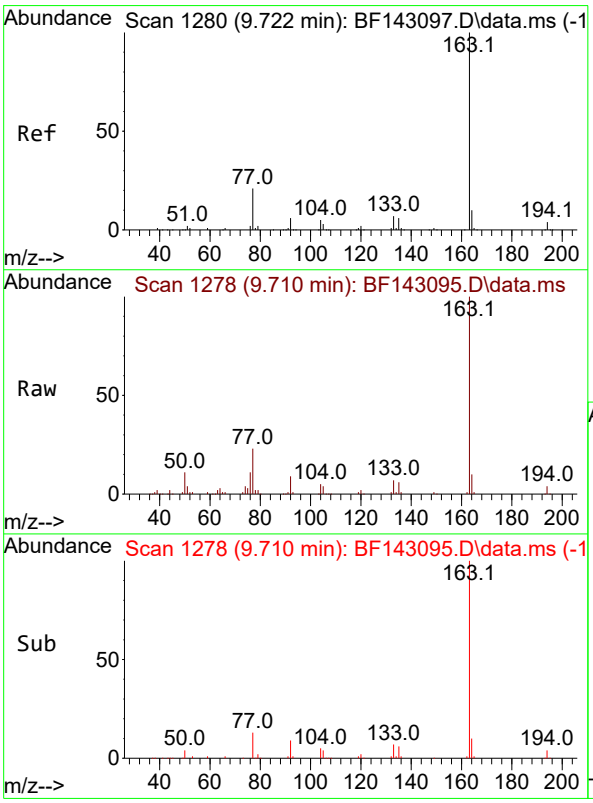
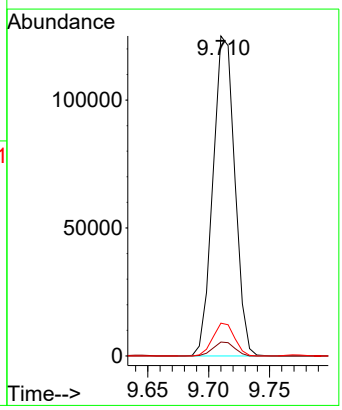
Supervised By :Jagrut Upadhyay 07/16/2025

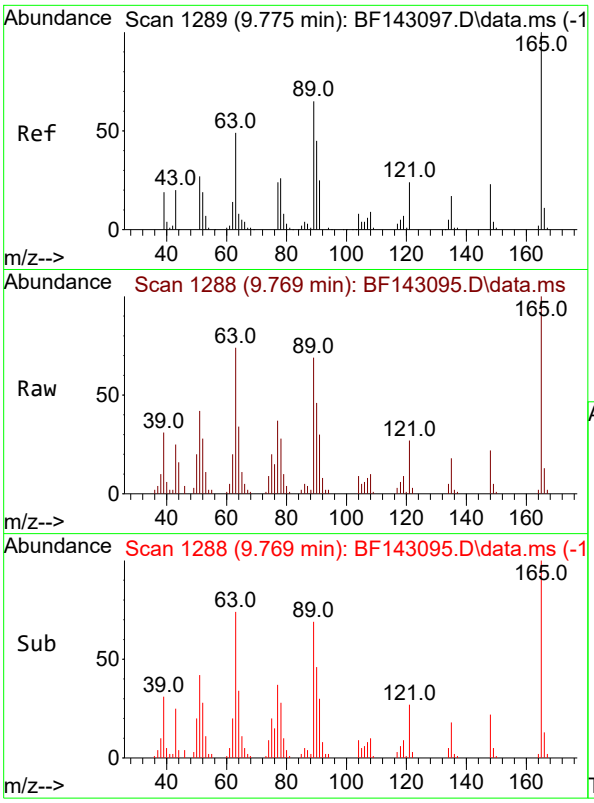



#50
Dimethylphthalate
Concen: 10.003 ng
RT: 9.710 min Scan# 1278
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:163 Resp: 156072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.4 | 5.2 |
| 164 | 10.2 | 8.2 | 12.2 |

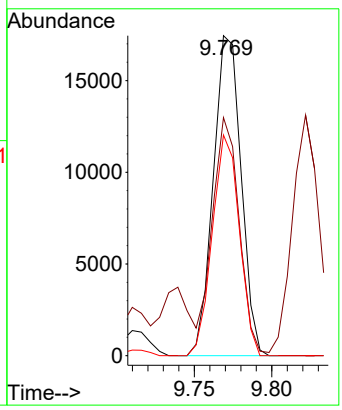





#51
2,6-Dinitrotoluene
Concen: 9.451 ng
RT: 9.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:165 Resp: 2178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 74.4 | 57.4 | 86.0 |
| 89 | 69.0 | 51.8 | 77.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

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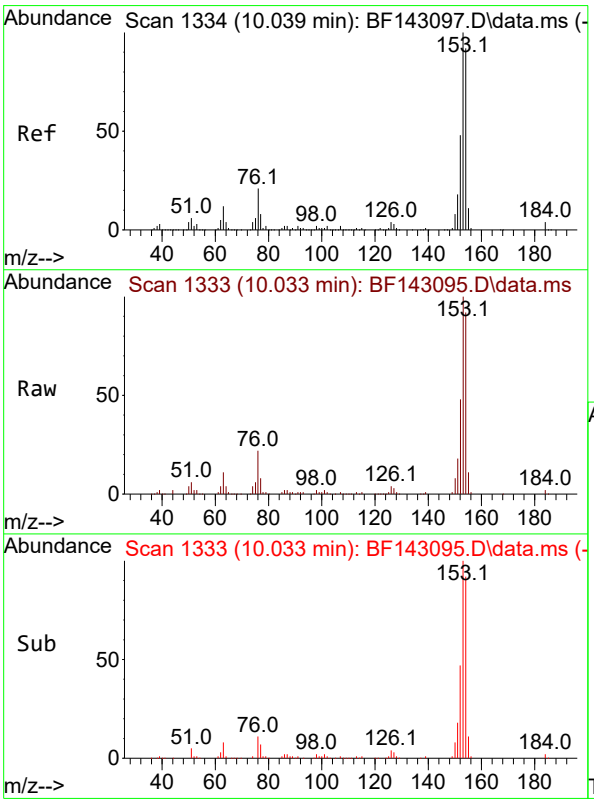
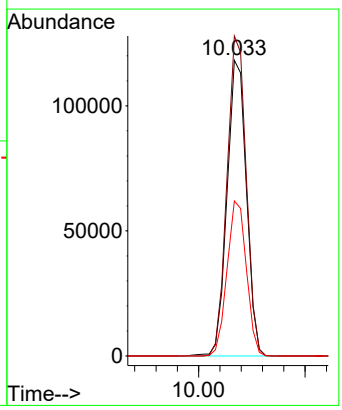
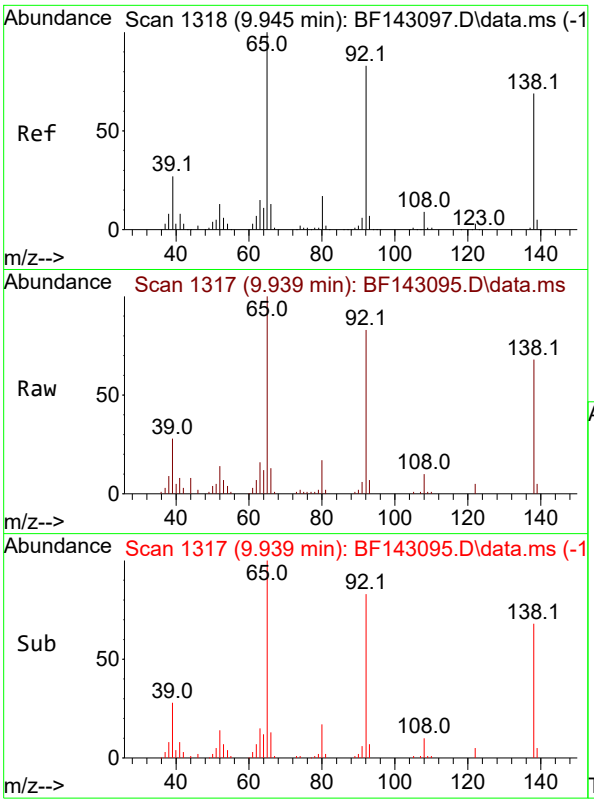



#52
Acenaphthene
Concen: 10.451 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:154 Resp: 149318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 108.2 | 86.7 | 130.1 |
| 152 | 52.4 | 41.4 | 62.2 |






#53
3-Nitroaniline
Concen: 8.336 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:138 Resp: 2810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 14.5 | 10.1 | 15.1 |
| 92 | 122.1 | 96.4 | 144.6 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

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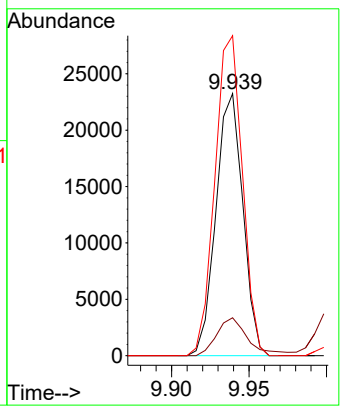
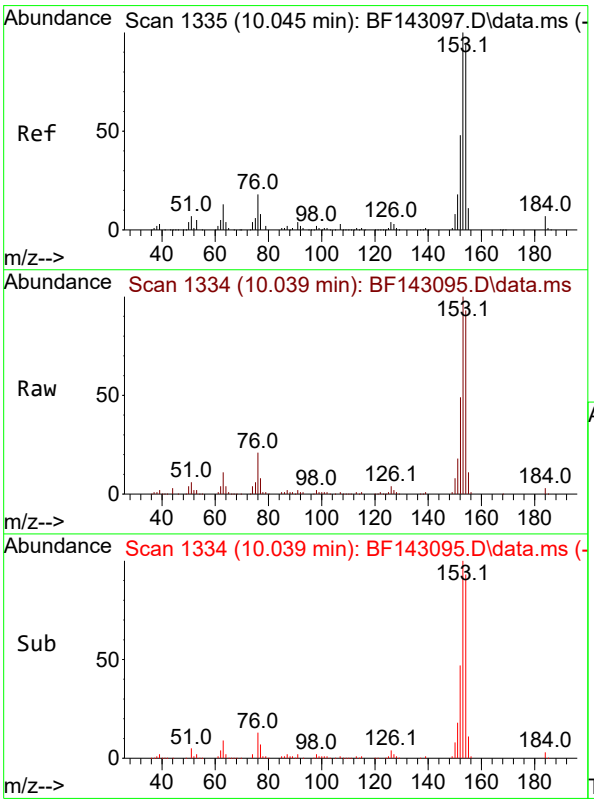
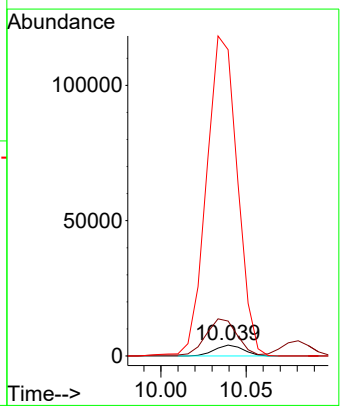


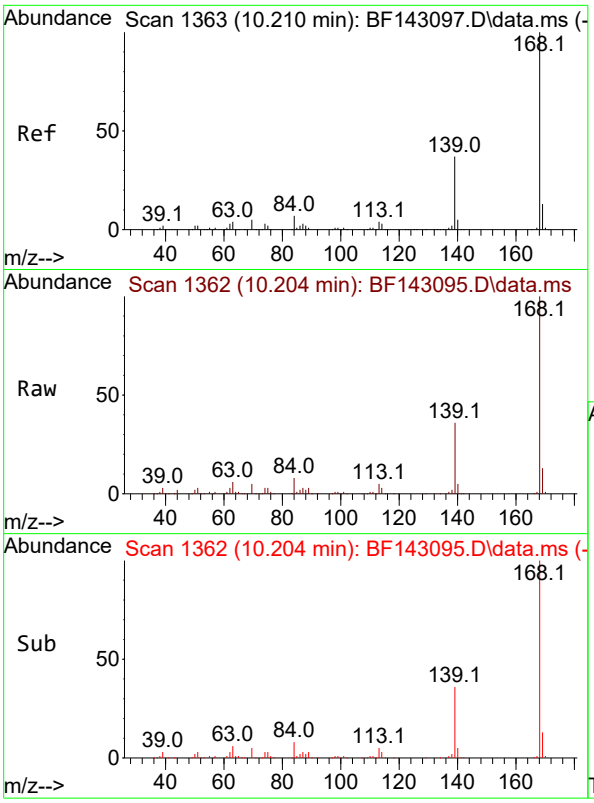




#54
2,4-Dinitrophenol
Concen: 10.239 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:184 Resp: 4729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 321.1 | 149.3 | 223.9# |
| 154 | 2815.4 | 1048.0 | 1572.0# |

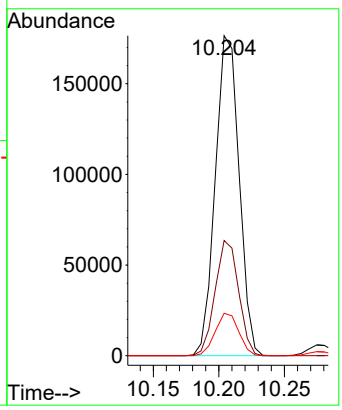





#55
Dibenzofuran
Concen: 10.451 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:168 Resp: 22255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 36.0 | 29.8 | 44.6 |
| 169 | 13.3 | 10.8 | 16.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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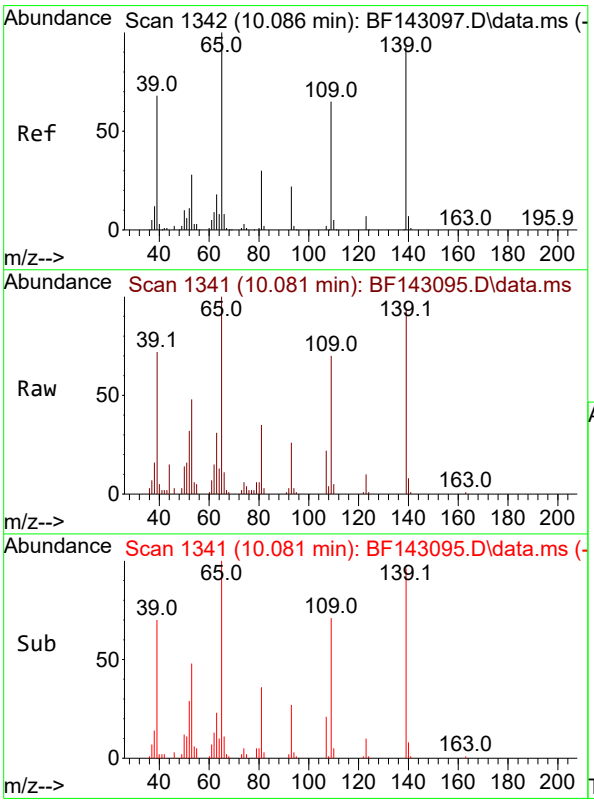
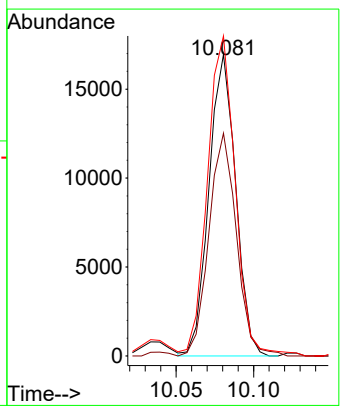
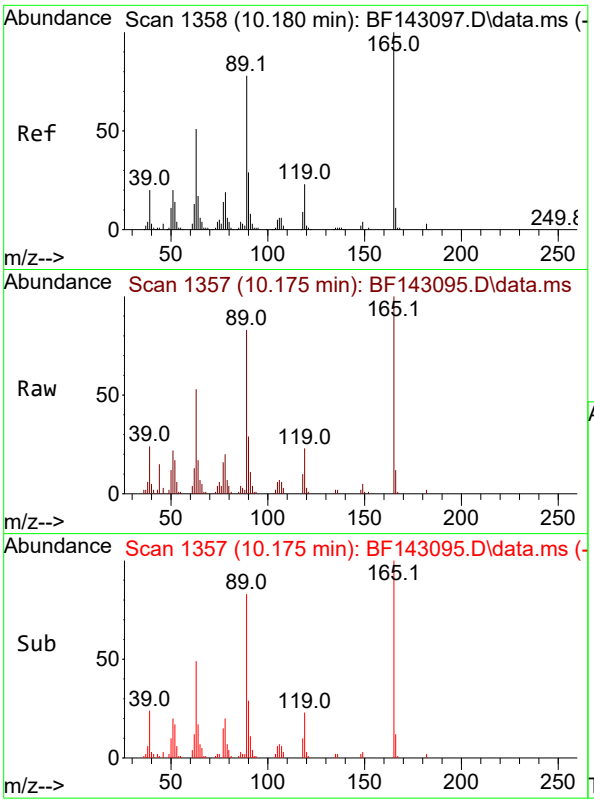



#56
4-Nitrophenol
Concen: 7.589 ng
RT: 10.081 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:139 Resp: 20334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 73.8 | 49.4 | 89.4 |
| 65 | 106.1 | 88.2 | 128.2 |

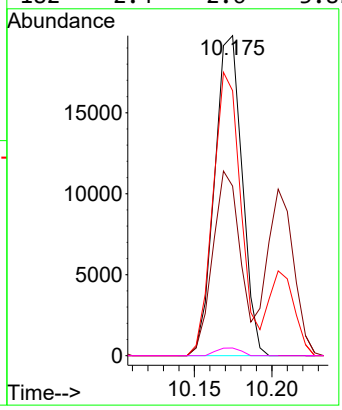





#57
2,4-Dinitrotoluene
Concen: 9.293 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:165 Resp: 2442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 53.0 | 40.6 | 61.0 |
| 89 | 82.8 | 62.3 | 93.5 |
| 182 | 2.4 | 2.6 | 3.8# |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

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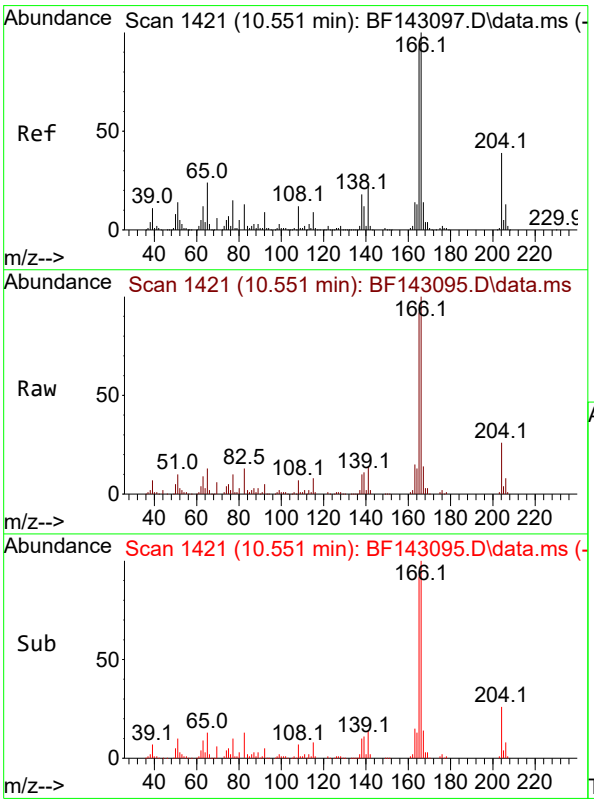
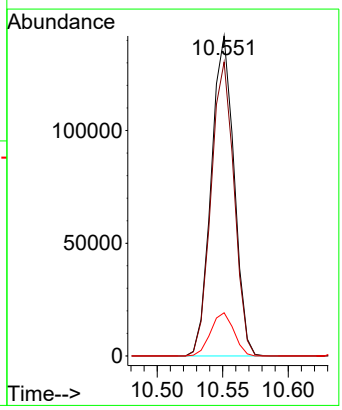
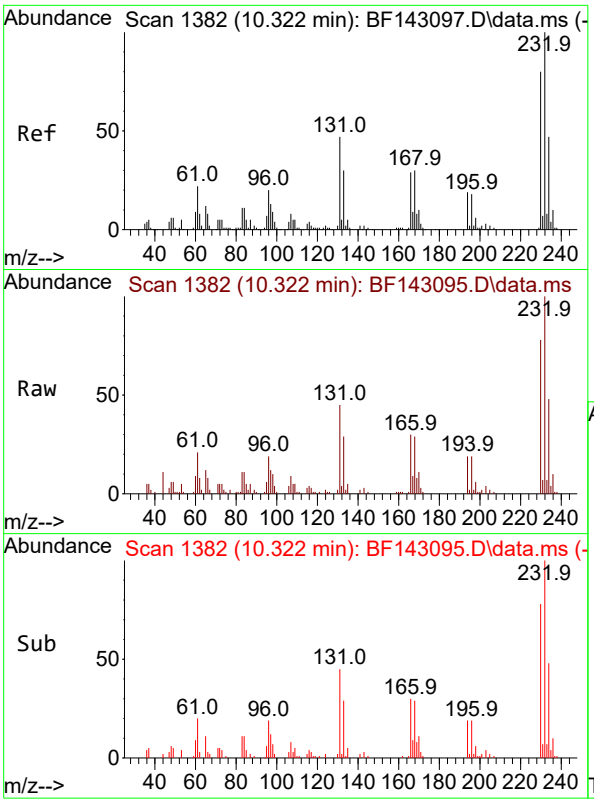



#58
Fluorene
Concen: 10.771 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:166 Resp: 171975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 91.8 | 73.7 | 110.5 |
| 167 | 13.5 | 10.9 | 16.3 |

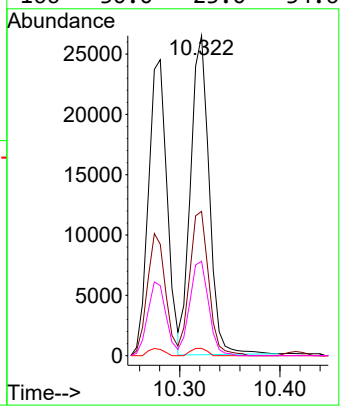





#59
2,3,4,6-Tetrachlorophenol
Concen: 9.084 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:232 Resp: 3399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.3 | 36.9 | 55.3 |
| 130 | 2.0 | 1.8 | 2.8 |
| 166 | 30.0 | 23.0 | 34.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

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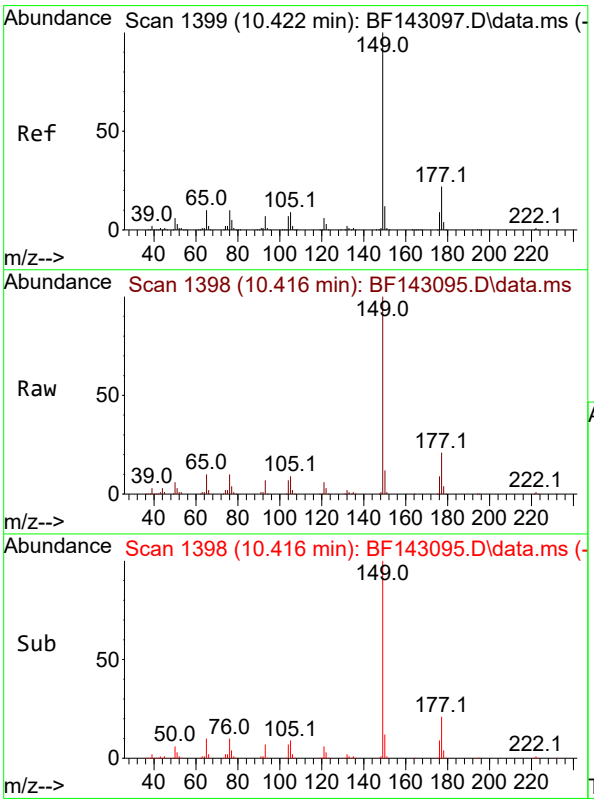
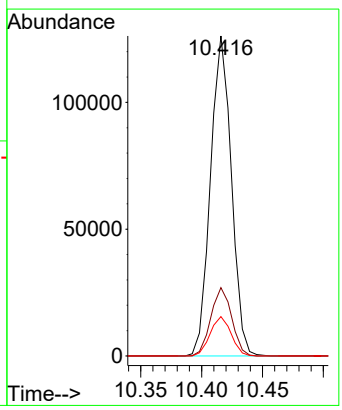
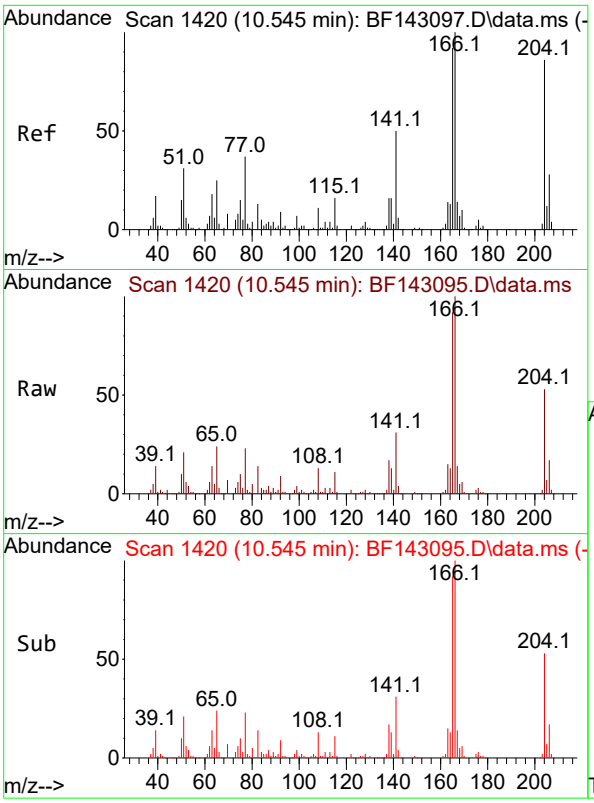



#60
Diethylphthalate
Concen: 10.027 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:149 Resp: 150934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.3 | 17.3 | 25.9 |
| 150 | 12.3 | 9.9 | 14.9 |

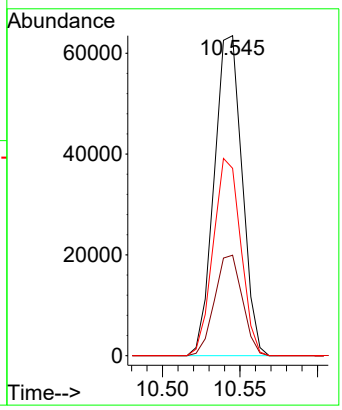





#61
4-Chlorophenyl-phenylether
Concen: 10.400 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:204 Resp: 7958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 31.4 | 25.8 | 38.6 |
| 141 | 58.6 | 46.8 | 70.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

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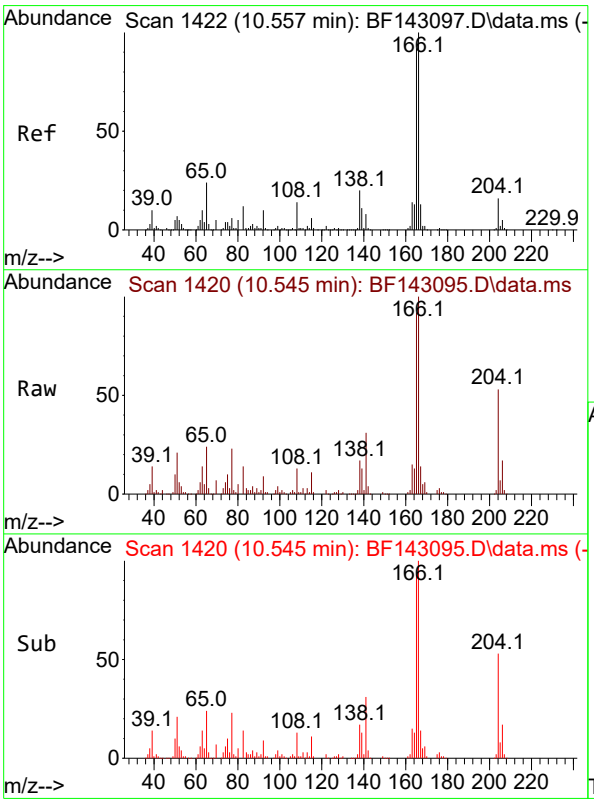
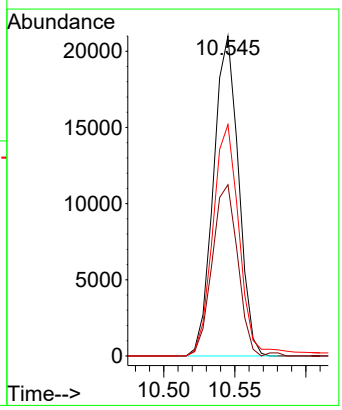
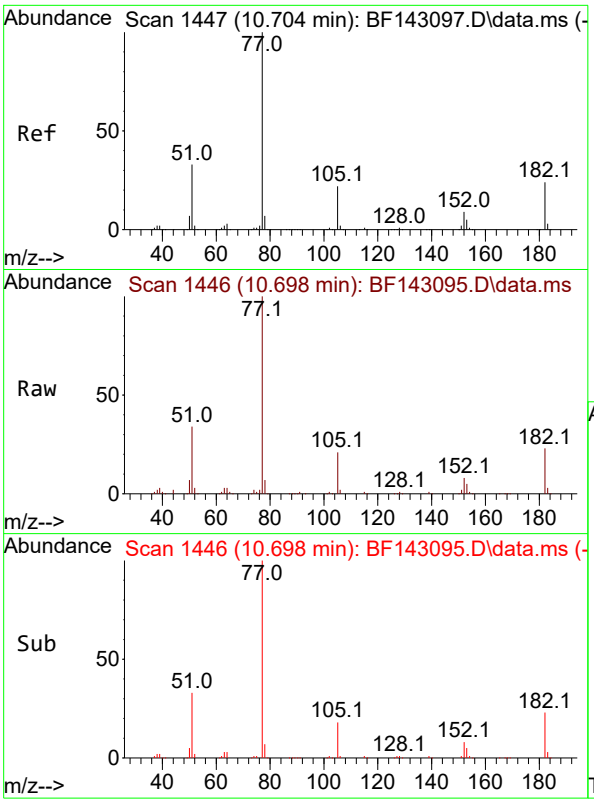



#62
4-Nitroaniline
Concen: 8.785 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:138 Resp: 25757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 53.5 | 30.4 | 70.4 |
| 108 | 72.3 | 49.5 | 89.5 |

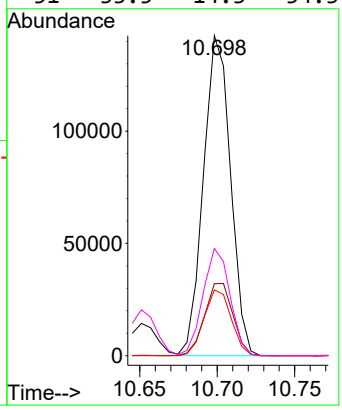





#63
Azobenzene
Concen: 10.418 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 77 Resp: 17343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 22.5 | 4.0 | 44.0 |
| 105 | 20.6 | 1.4 | 41.4 |
| 51 | 33.5 | 14.3 | 54.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**

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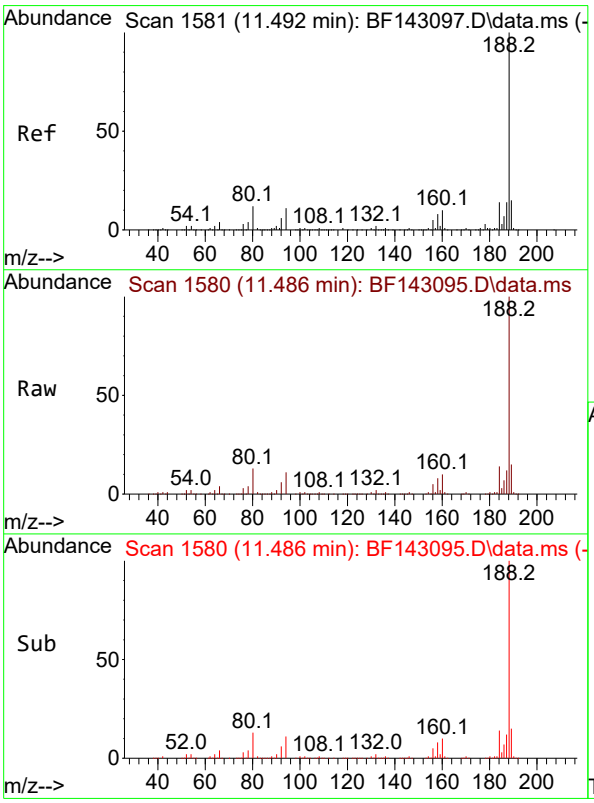
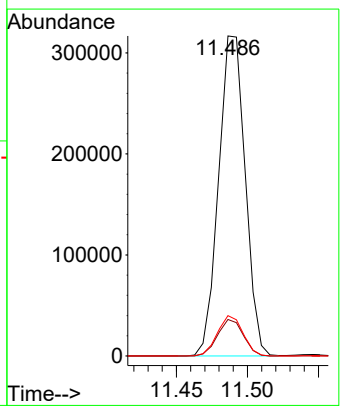
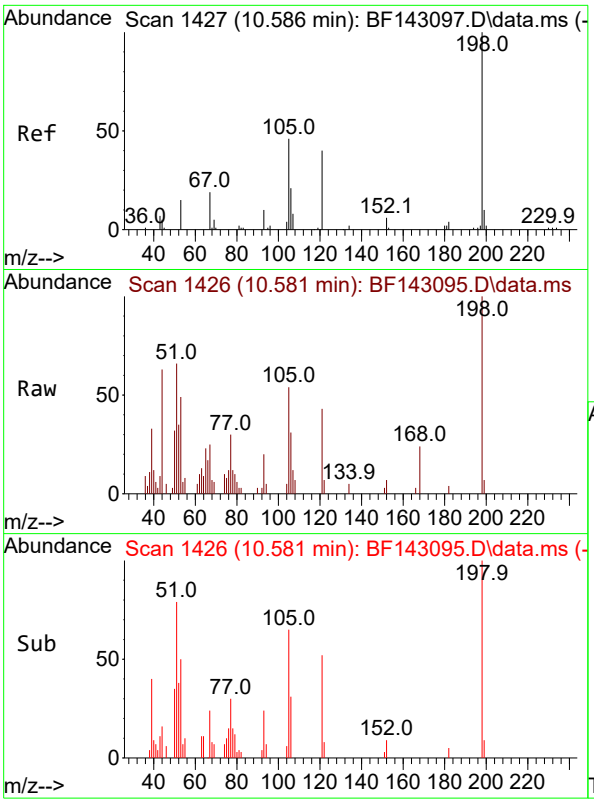



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:188 Resp: 412977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.4 | 8.6 | 13.0 |
| 80 | 12.6 | 9.3 | 13.9 |






#65
4,6-Dinitro-2-methylphenol
Concen: 10.290 ng
RT: 10.581 min Scan# 14
Delta R.T. -0.005 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:198 Resp: 715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 66.0 | 44.6 | 84.6 |
| 105 | 54.0 | 29.3 | 69.3 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**

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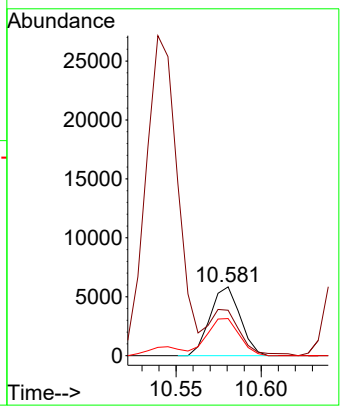
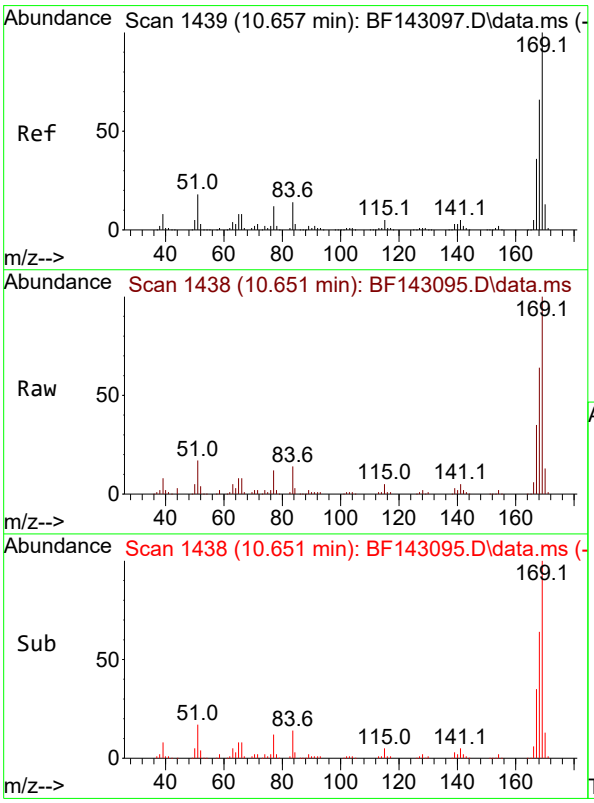
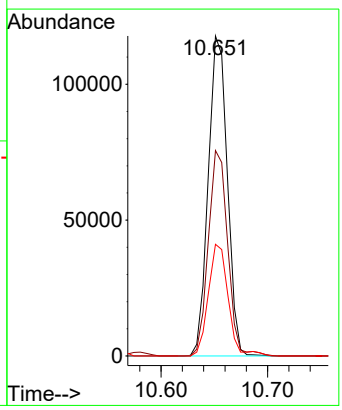


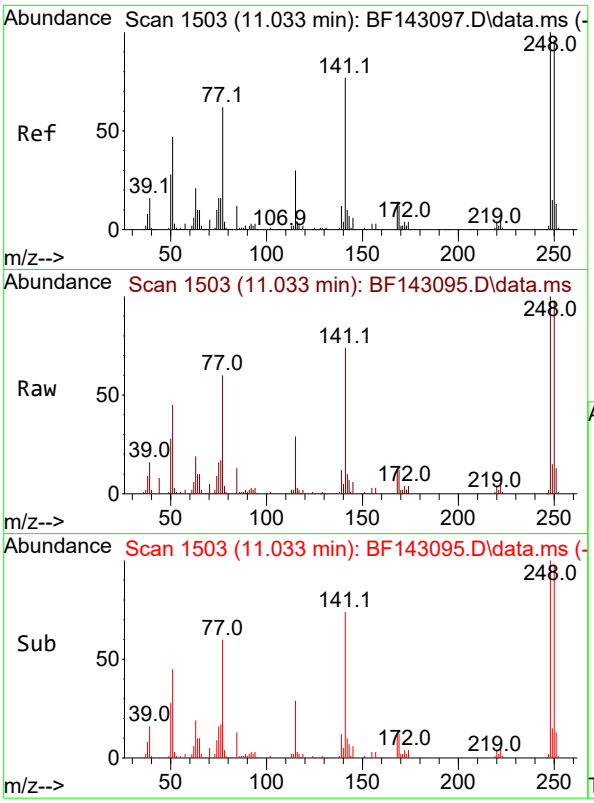




#66
n-Nitrosodiphenylamine
Concen: 10.094 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:169 Resp: 146433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 64.2 | 53.0 | 79.6 |
| 167 | 34.9 | 28.4 | 42.6 |

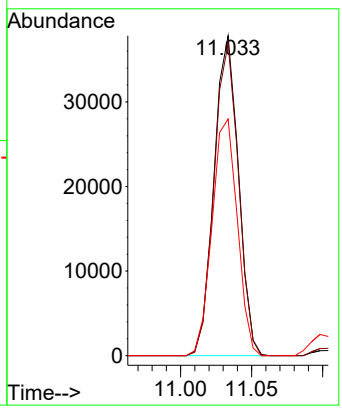





#67
4-Bromophenyl-phenylether
Concen: 9.641 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:248 Resp: 4527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.5 | 76.7 | 115.1 |
| 141 | 73.9 | 61.7 | 92.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

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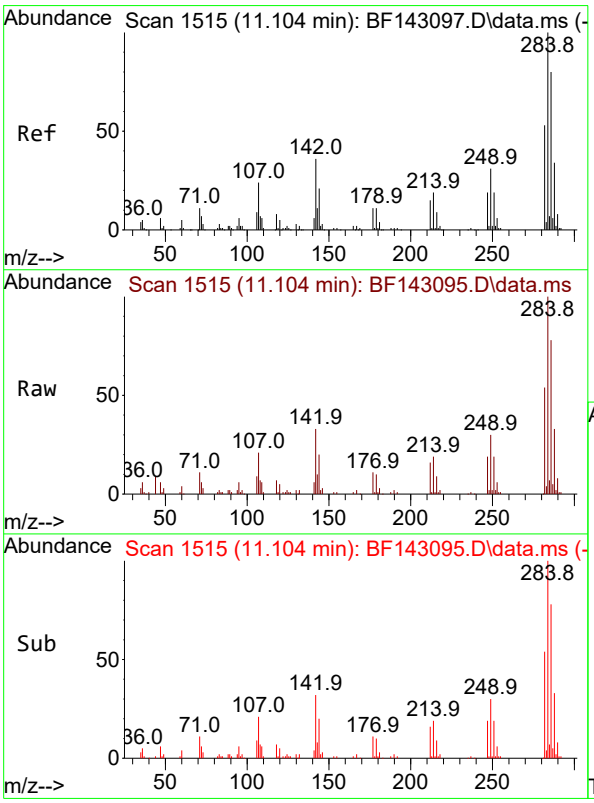
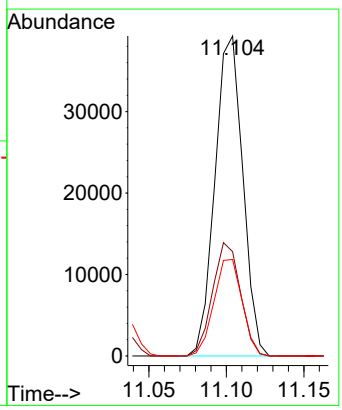
Supervised By :Jagrut Upadhyay 07/16/2025

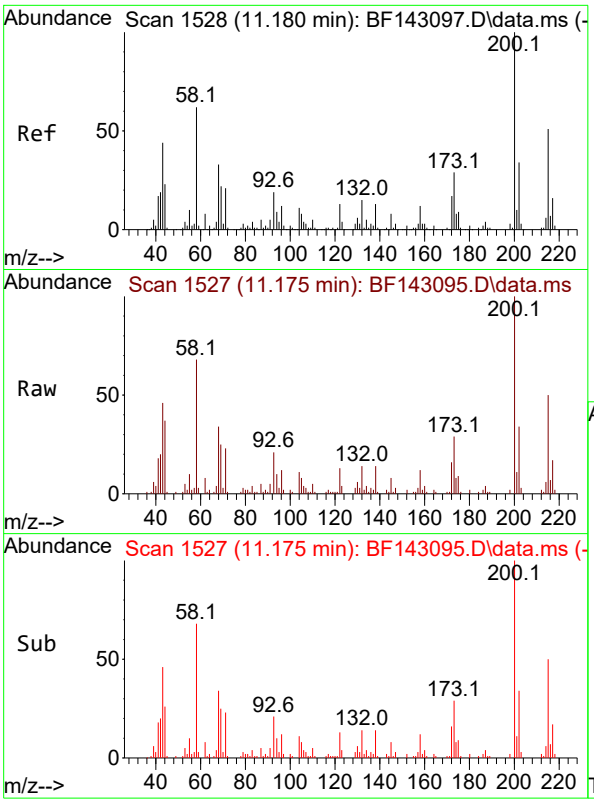



#68
Hexachlorobenzene
Concen: 9.840 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:284 Resp: 49035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.6 | 28.9 | 43.3 |
| 249 | 30.1 | 24.6 | 37.0 |

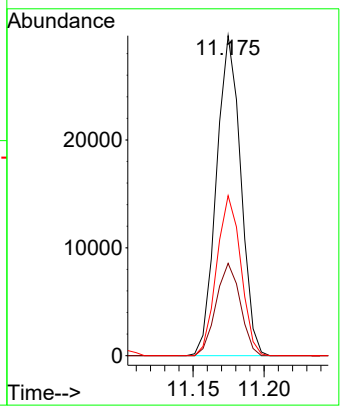





#69
Atrazine
Concen: 9.492 ng
RT: 11.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:200 Resp: 3523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 28.9 | 9.1 | 49.1 |
| 215 | 50.0 | 31.0 | 71.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

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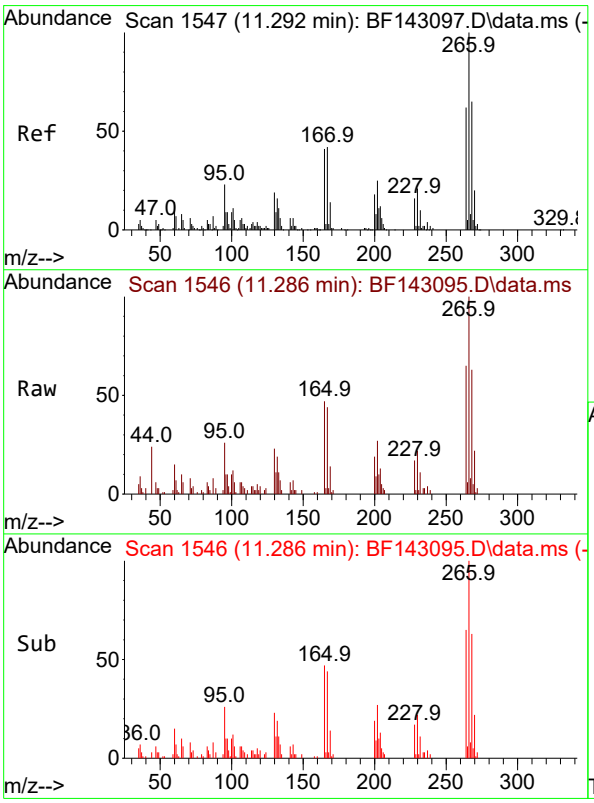
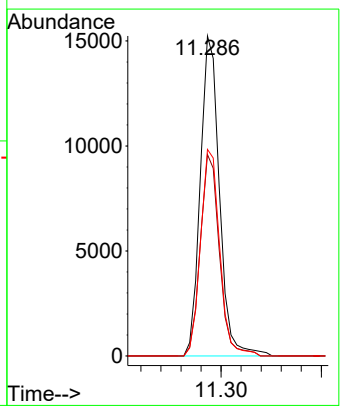
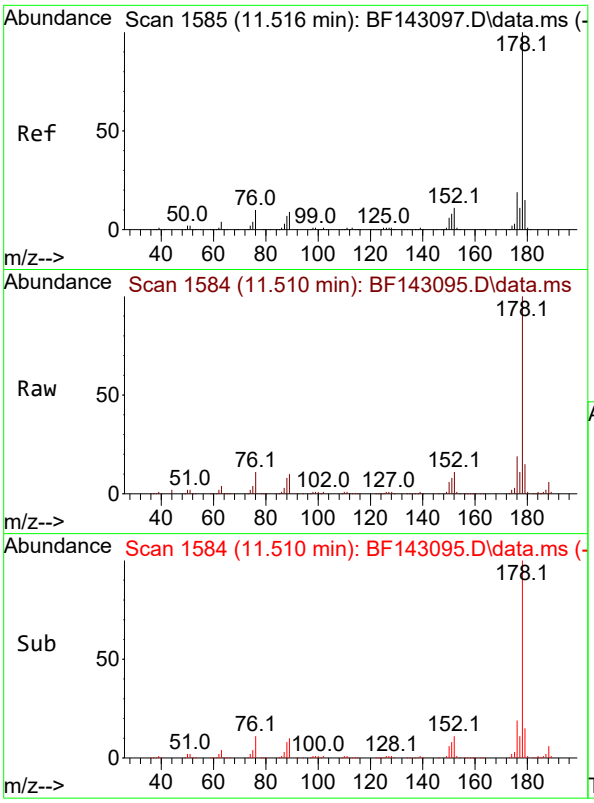



#70
Pentachlorophenol
Concen: 7.405 ng
RT: 11.286 min Scan# 1546
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:266 Resp: 20245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.0 | 51.8 | 77.6 |
| 264 | 64.6 | 49.7 | 74.5 |

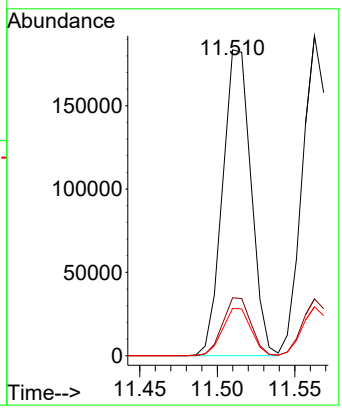





#71
Phenanthrene
Concen: 10.526 ng
RT: 11.510 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:178 Resp: 23460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.1 | 22.7 |
| 179 | 15.4 | 12.2 | 18.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

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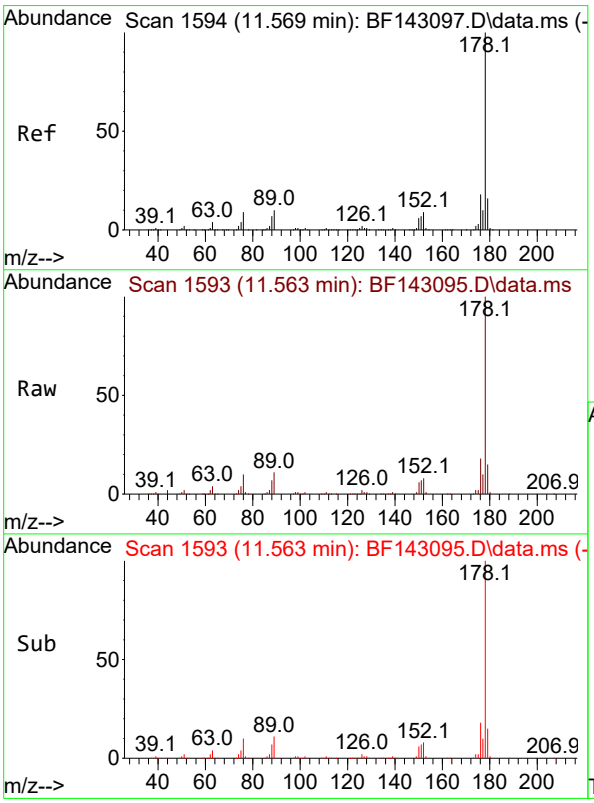
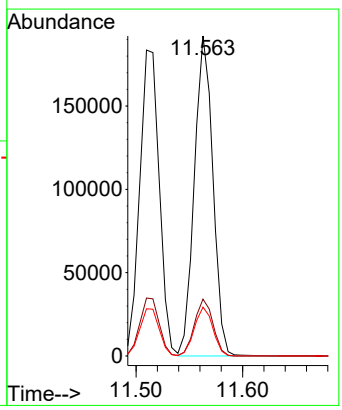
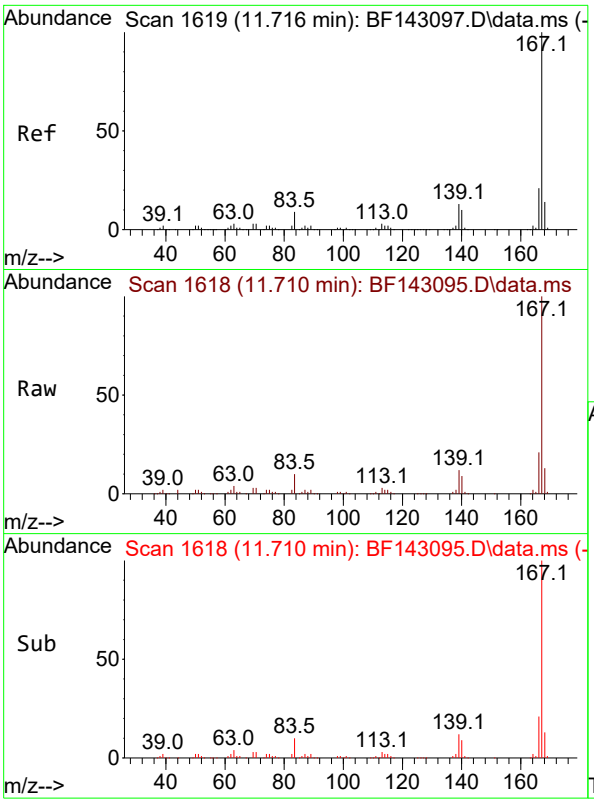



#72
Anthracene
Concen: 10.372 ng
RT: 11.563 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:178 Resp: 232459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 17.7 | 14.7 | 22.1 |
| 179 | 15.2 | 12.4 | 18.6 |

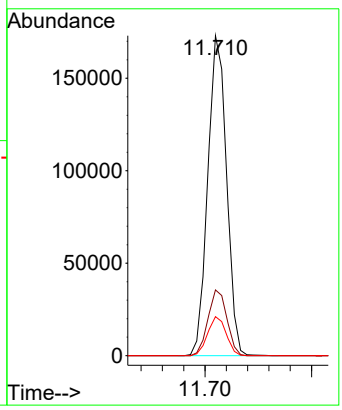





#73
Carbazole
Concen: 10.551 ng
RT: 11.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:167 Resp: 21185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 20.5 | 17.0 | 25.4 |
| 139 | 12.2 | 10.2 | 15.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

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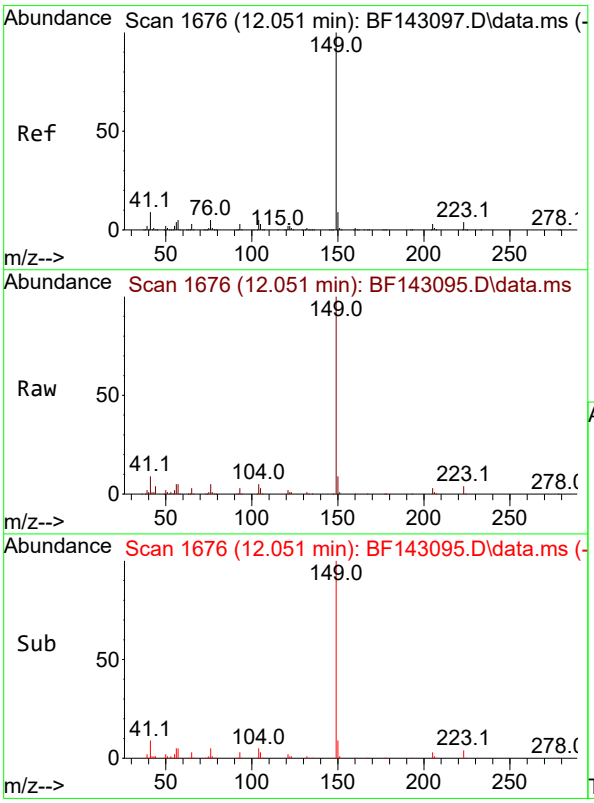
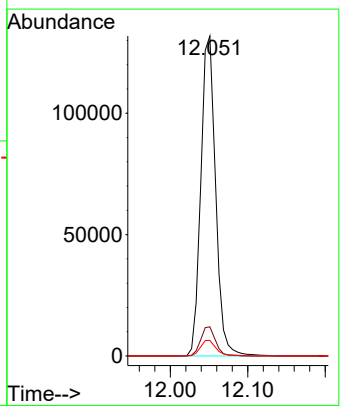
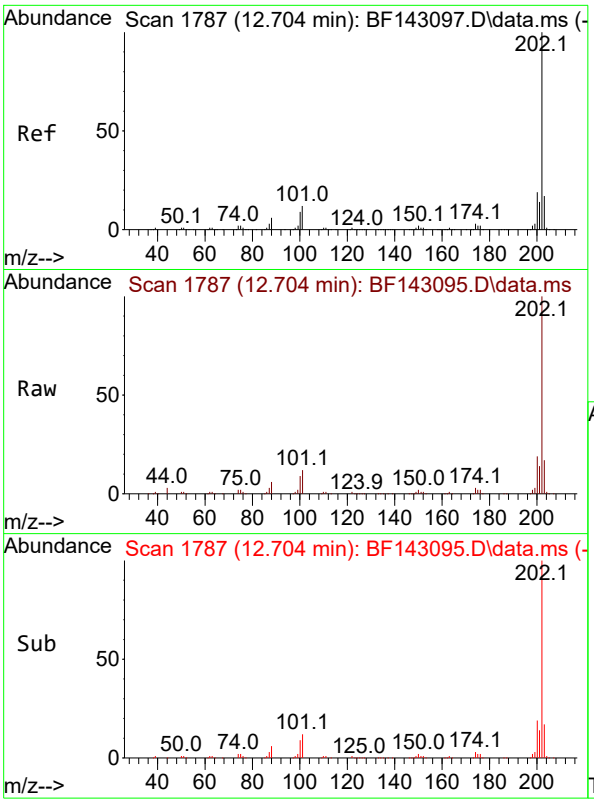



#74
Di-n-butylphthalate
Concen: 9.475 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:149 Resp: 174639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.3 | 10.9 |
| 104 | 4.8 | 3.8 | 5.8 |

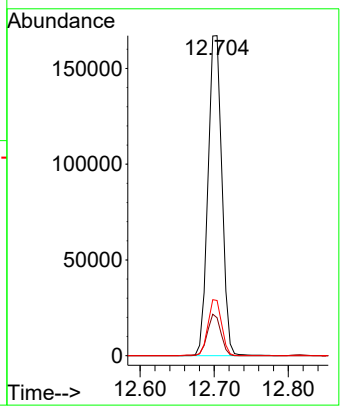





#75
Fluoranthene
Concen: 10.725 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:202 Resp: 21734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.9 | 0.0 | 32.4 |
| 203 | 17.3 | 0.0 | 37.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

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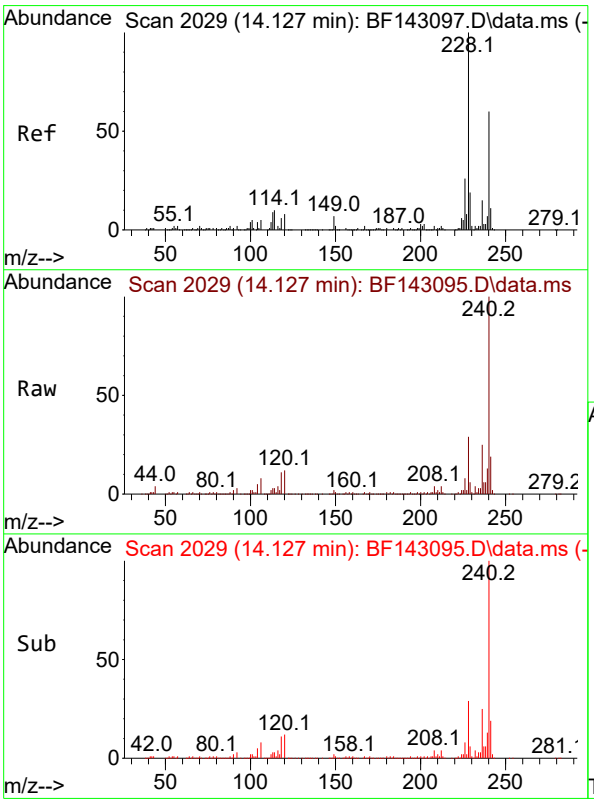
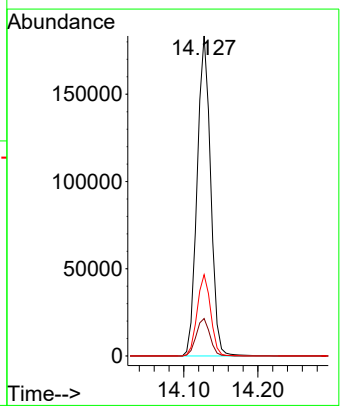
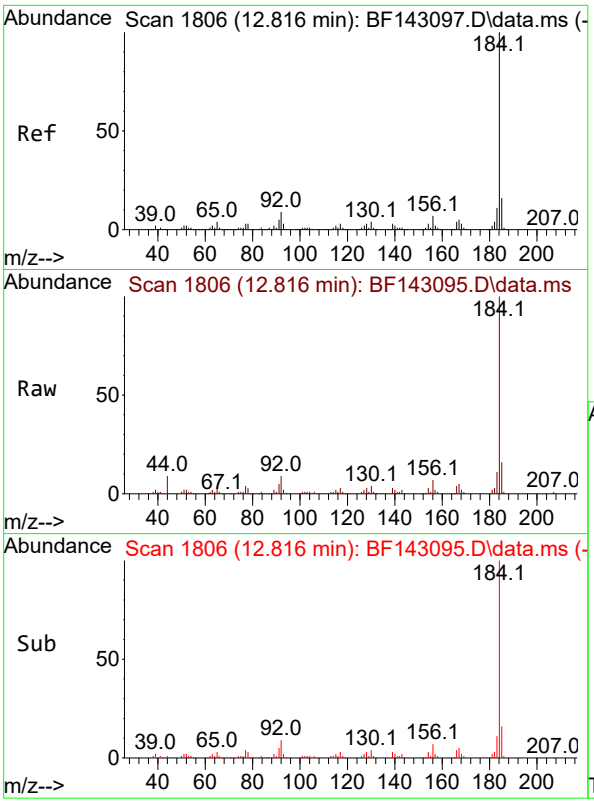



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:240 Resp: 231826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.7 | 10.0 | 15.0 |
| 236 | 25.4 | 20.0 | 30.0 |

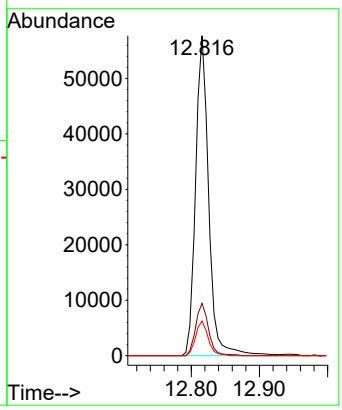





#77
Benzidine
Concen: 9.747 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:184 Resp: 7697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 16.4 | 12.4 | 18.6 |
| 183 | 10.8 | 8.6 | 12.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

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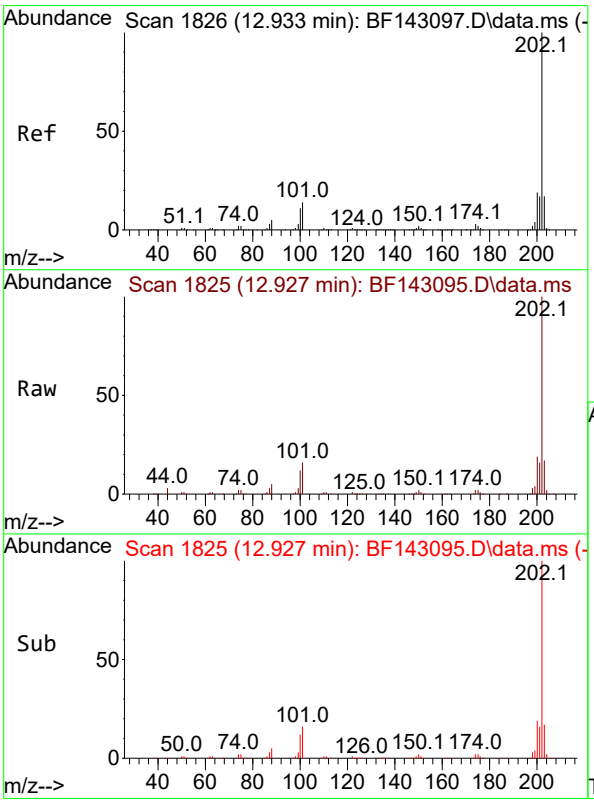
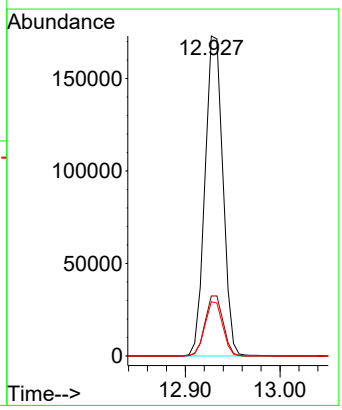
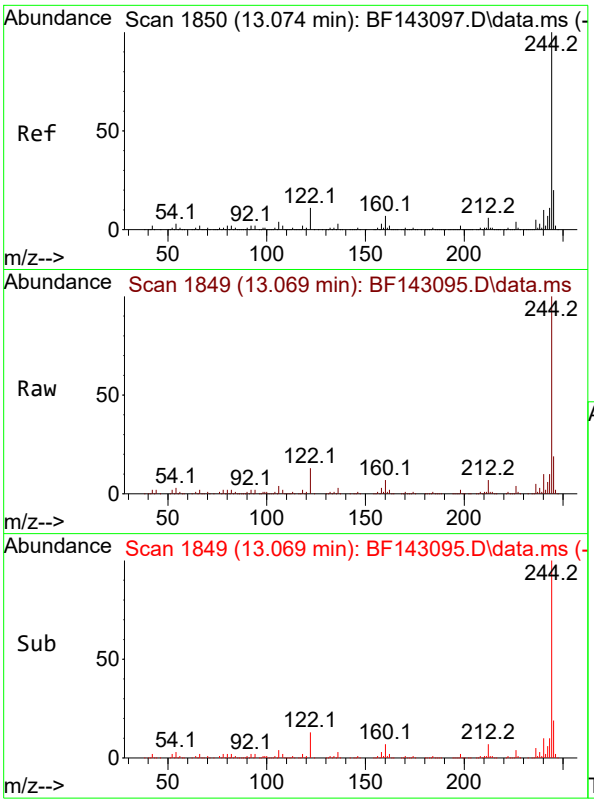



#78
Pyrene
Concen: 10.542 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:202 Resp: 226752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 18.8 | 15.5 | 23.3 |
| 203 | 16.9 | 14.0 | 21.0 |

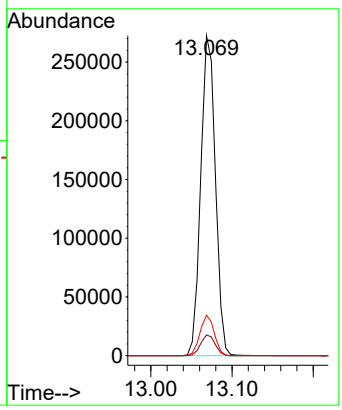





#79
Terphenyl-d14
Concen: 21.502 ng
RT: 13.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:244 Resp: 34099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.5 | 5.2 | 7.8 |
| 122 | 12.7 | 8.8 | 13.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

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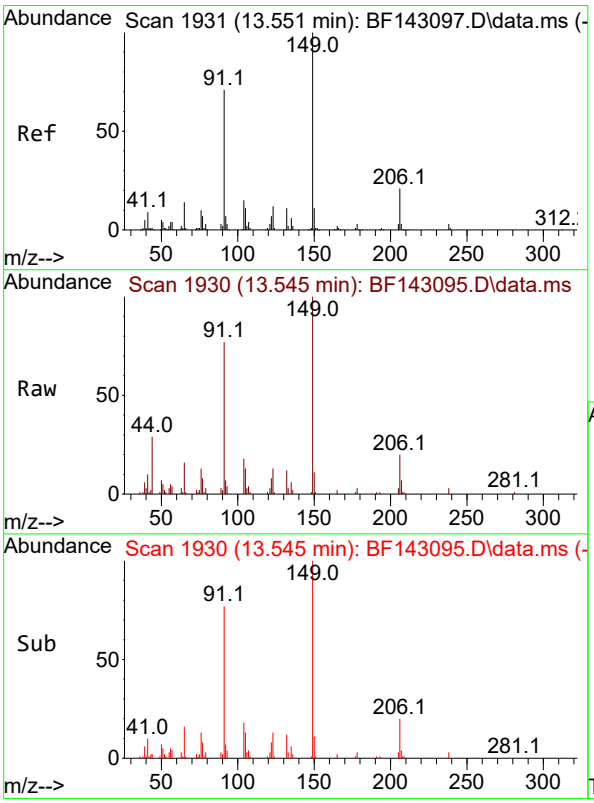
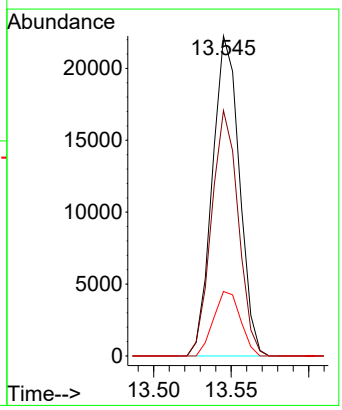
Supervised By :Jagrut Upadhyay 07/16/2025

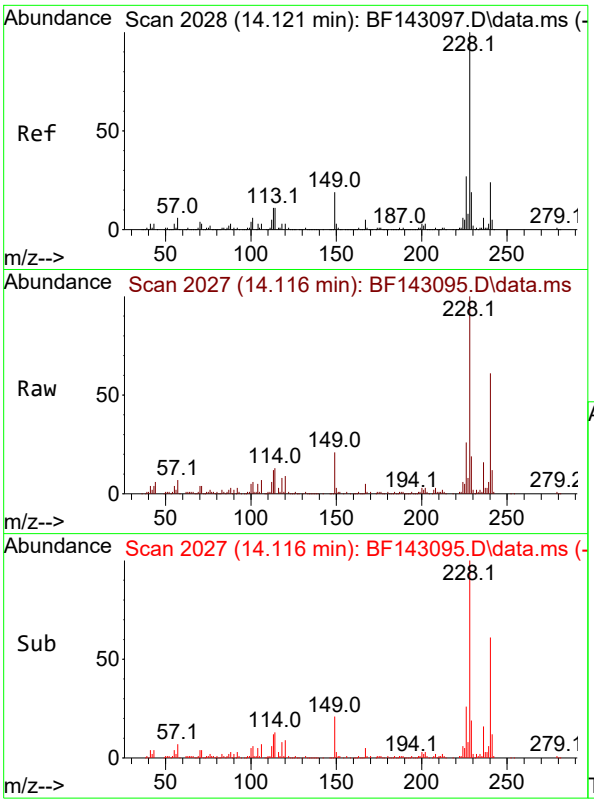



#80
Butylbenzylphthalate
Concen: 9.210 ng
RT: 13.545 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:149 Resp: 26977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 76.7 | 57.0 | 85.4 |
| 206 | 20.2 | 17.2 | 25.8 |

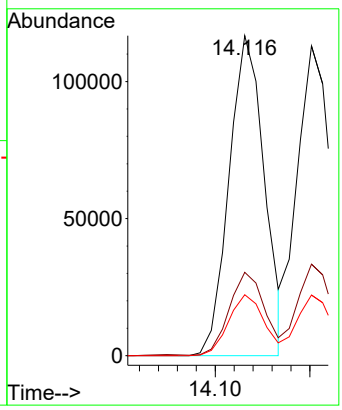





#81
Benzo(a)anthracene
Concen: 9.781 ng
RT: 14.116 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:228 Resp: 151099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.0 | 21.3 | 31.9 |
| 229 | 19.0 | 15.5 | 23.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

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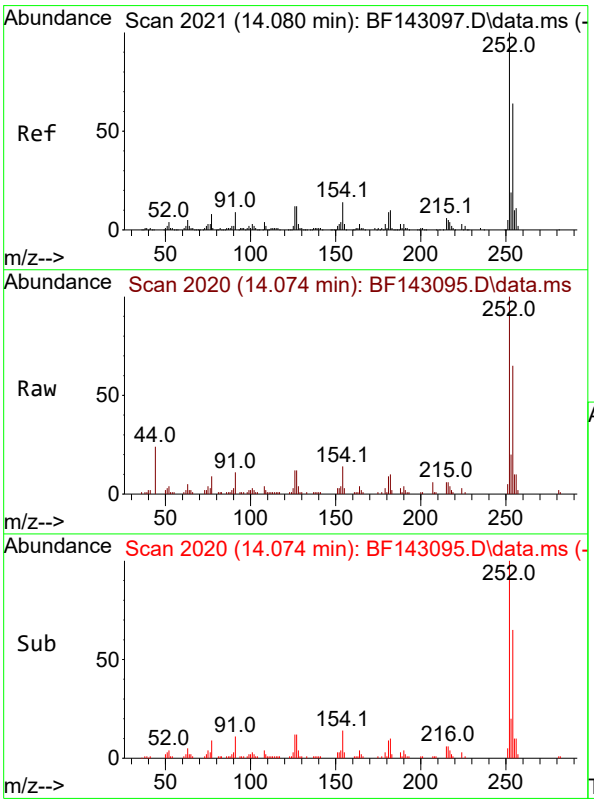
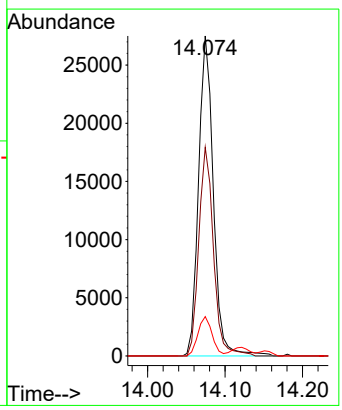
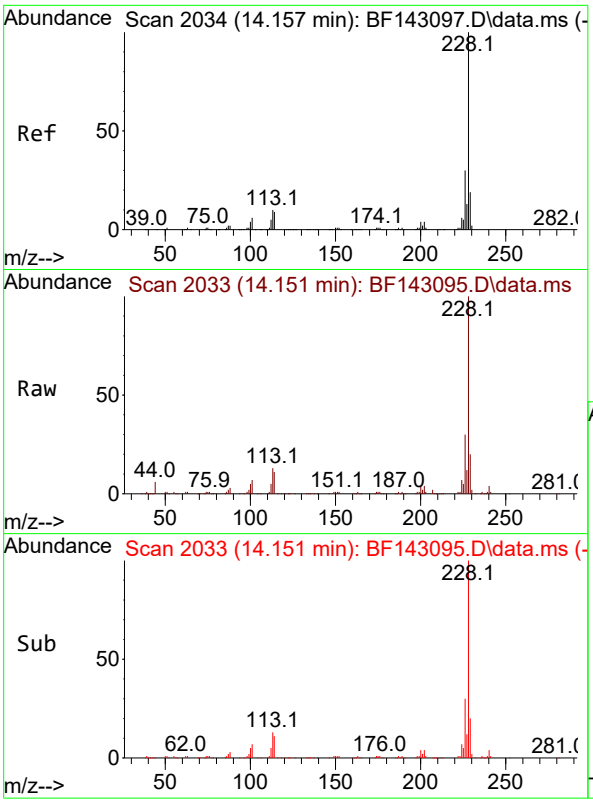



#82
3,3'-Dichlorobenzidine
Concen: 8.122 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:252 Resp: 36435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.2 | 51.5 | 77.3 |
| 126 | 12.3 | 9.4 | 14.0 |






#83
Chrysene
Concen: 10.050 ng
RT: 14.151 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:228 Resp: 14299(

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.5 | 23.4 | 35.2 |
| 229 | 19.6 | 15.3 | 22.9 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

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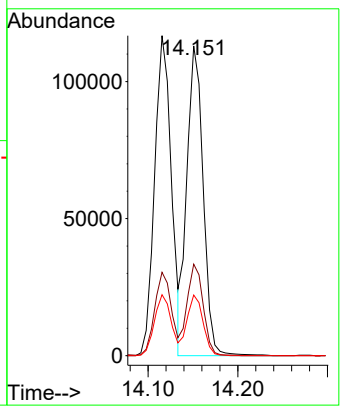
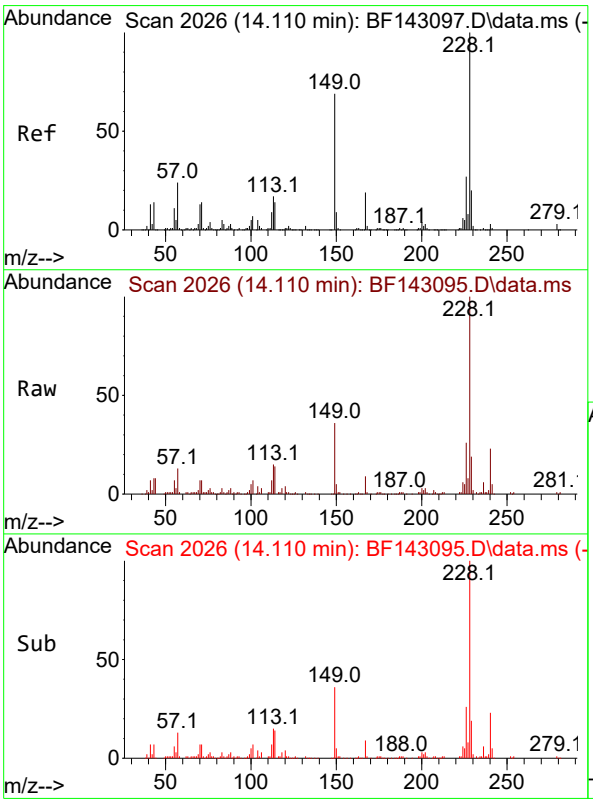
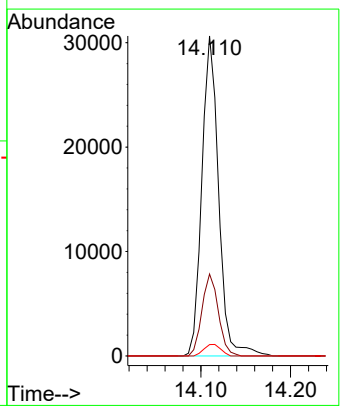


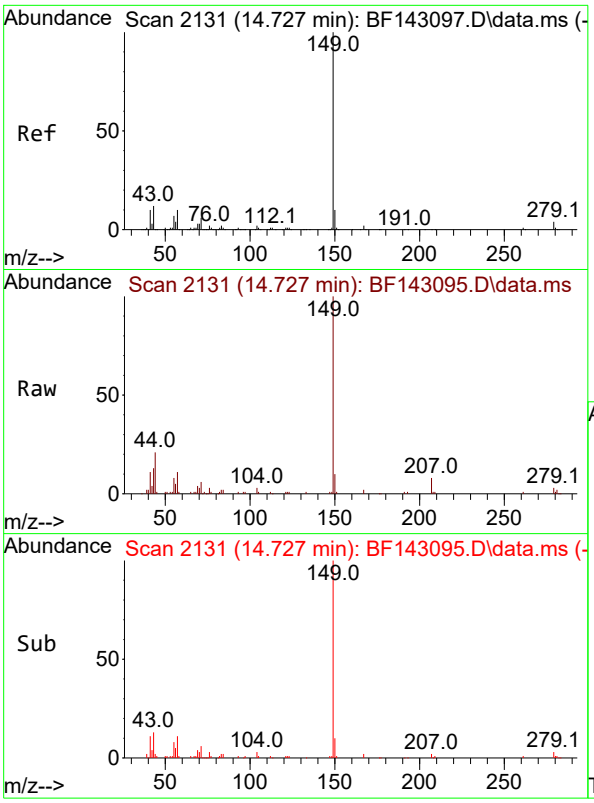




#84
Bis(2-ethylhexyl)phthalate
Concen: 9.073 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:149 Resp: 39724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 25.6 | 21.9 | 32.9 |
| 279 | 3.6 | 3.4 | 5.0 |

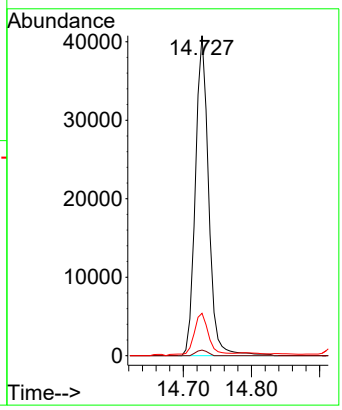





#85
Di-n-octyl phthalate
Concen: 10.526 ng
RT: 14.727 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:149 Resp: 5495

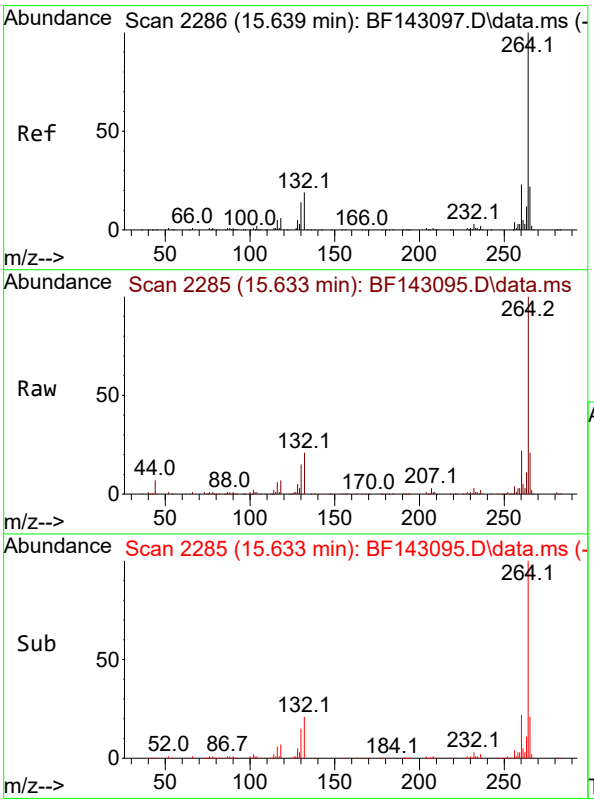
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.2 | 1.8 |
| 43 | 15.1 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**

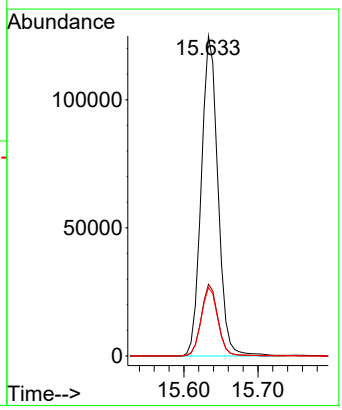
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

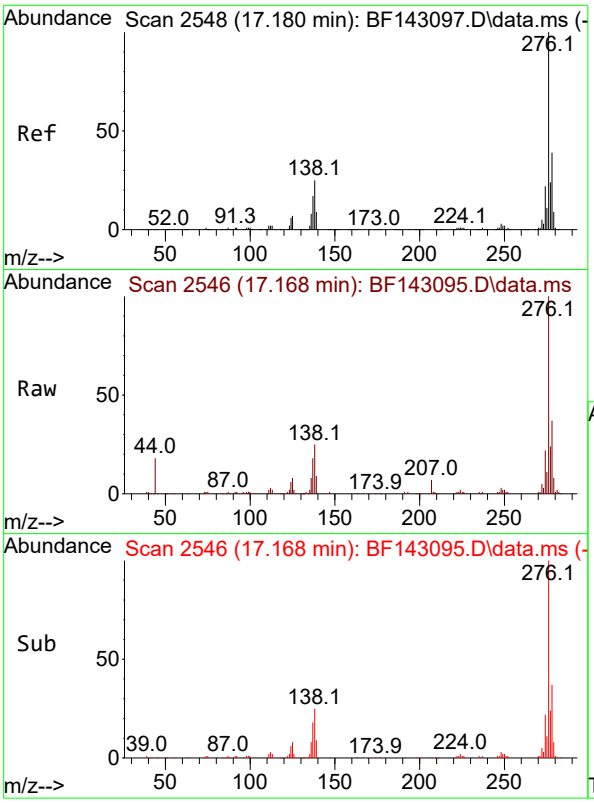



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:264 Resp: 195100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.4 | 18.5 | 27.7 |
| 265 | 21.4 | 17.5 | 26.3 |

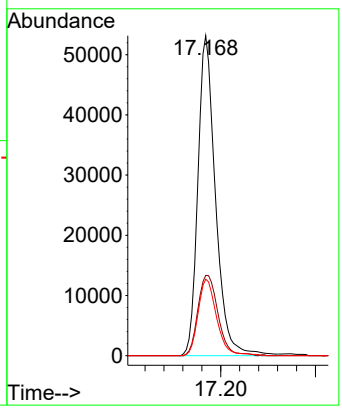





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.484 ng
RT: 17.168 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:276 Resp: 13762

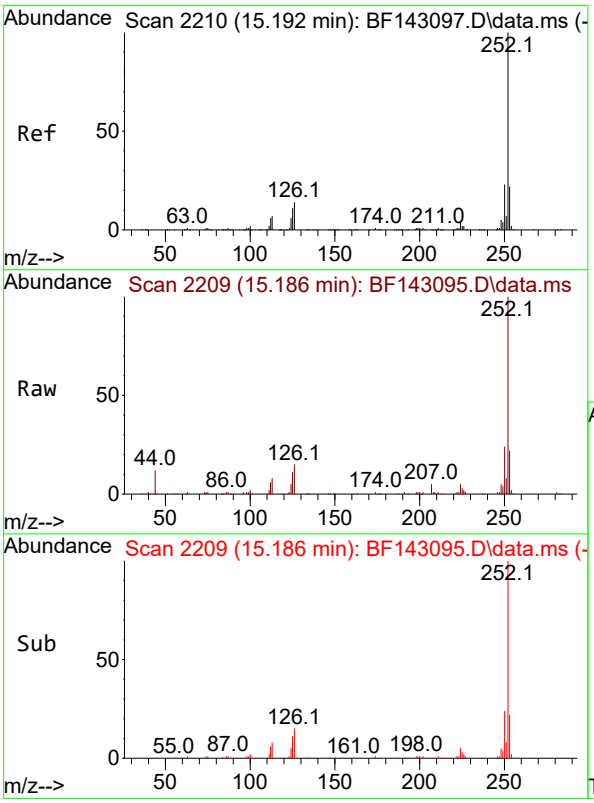
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 28.5 | 22.6 | 34.0 |
| 277 | 25.1 | 20.2 | 30.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**

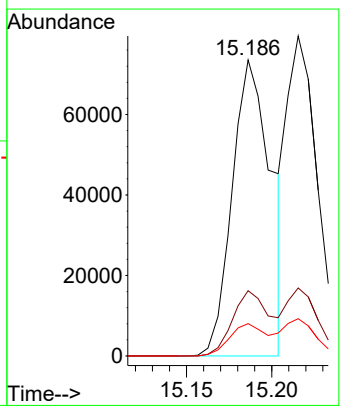
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

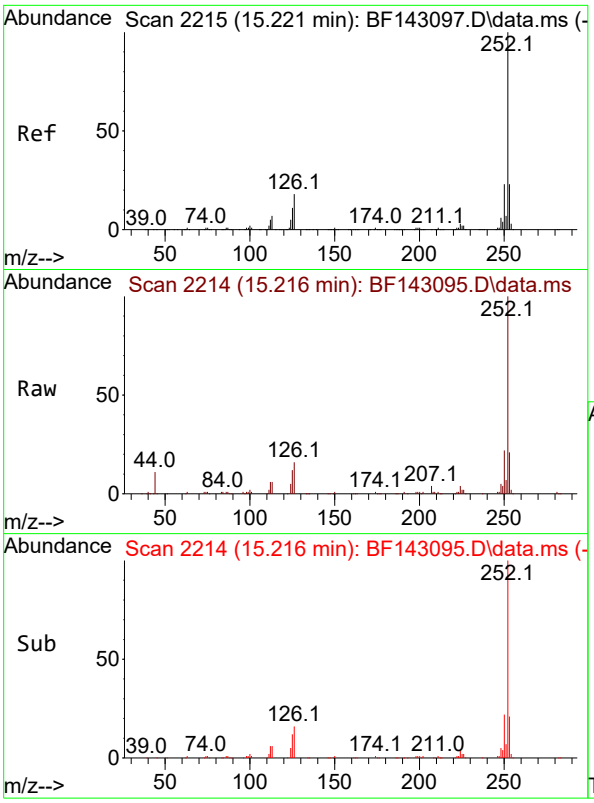



#88
Benzo(b)fluoranthene
Concen: 10.321 ng
RT: 15.186 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:252 Resp: 116154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.5 | 26.3 |
| 125 | 10.9 | 8.6 | 13.0 |

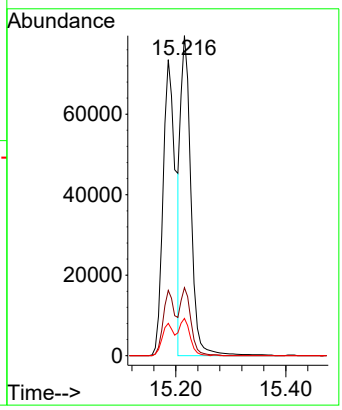





#89
Benzo(k)fluoranthene
Concen: 9.686 ng
RT: 15.216 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:252 Resp: 10399

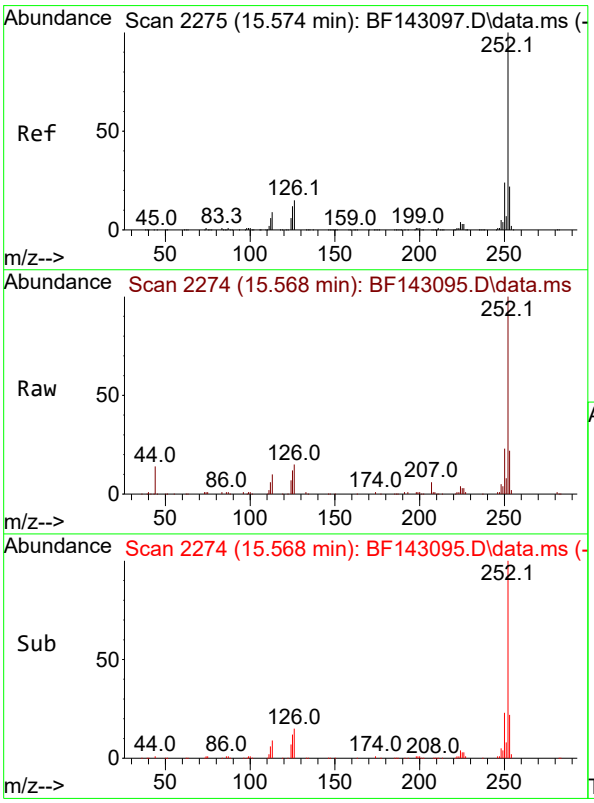
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.2 | 17.4 | 26.2 |
| 125 | 11.6 | 8.5 | 12.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**

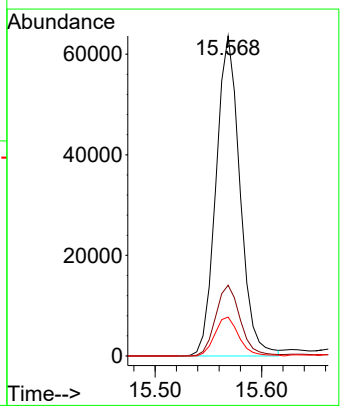
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

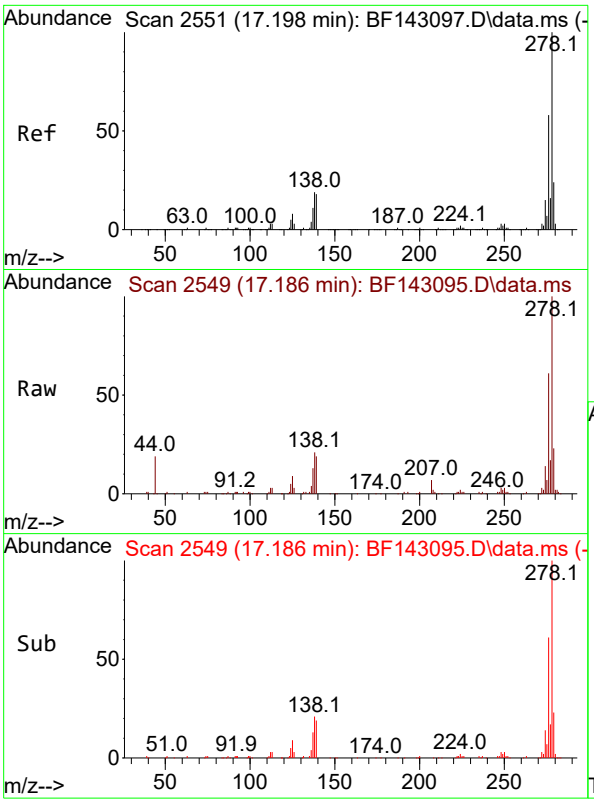



#90
Benzo(a)pyrene
Concen: 9.336 ng
RT: 15.568 min Scan# 2274
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:252 Resp: 99366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.5 | 26.3 |
| 125 | 12.1 | 9.4 | 14.0 |

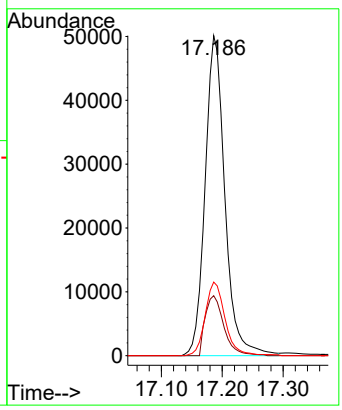





#91
Dibenzo(a,h)anthracene
Concen: 9.553 ng
RT: 17.186 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:278 Resp: 11331

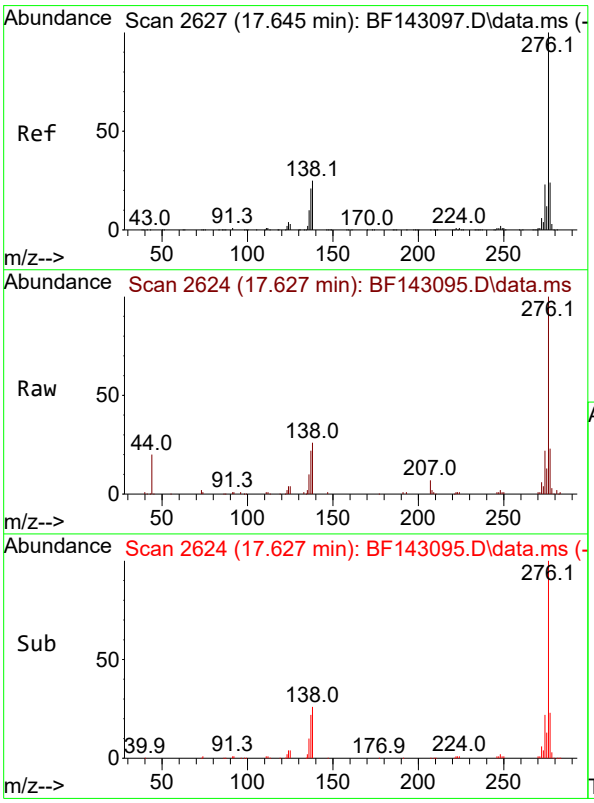
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 18.7 | 14.6 | 22.0 |
| 279 | 23.0 | 18.8 | 28.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**

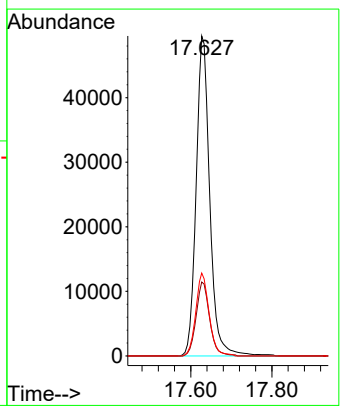
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025




#92
Benzo(g,h,i)perylene
Concen: 9.577 ng
RT: 17.627 min Scan# 2624
Delta R.T. -0.018 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:276 Resp: 115816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.1 | 19.2 | 28.8 |
| 138 | 25.9 | 19.8 | 29.6 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143096.D
Acq On : 15 Jul 2025 14:36
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.969 | 152 | 153233 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.251 | 136 | 579905 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 10.004 | 164 | 283300 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.492 | 188 | 451524 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.127 | 240 | 236667 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.633 | 264 | 262419 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.587 | 112 | 402974 | 41.549 | ng | 0.00 |
| 7) Phenol-d6 | 6.581 | 99 | 502651 | 41.231 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.522 | 82 | 420674m | 40.693 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.792 | 330 | 102277 | 40.489 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.322 | 172 | 907497 | 42.581 | ng | 0.00 |
| 79) Terphenyl-d14 | 13.074 | 244 | 680179 | 42.012 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.810 | 88 | 98010 | 20.301 | ng | 99 |
| 3) Pyridine | 3.581 | 79 | 247677 | 20.259 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.516 | 42 | 126355 | 19.948 | ng | 100 |
| 6) Aniline | 6.628 | 93 | 349337 | 20.349 | ng | 100 |
| 8) 2-Chlorophenol | 6.751 | 128 | 202437 | 20.775 | ng | 98 |
| 9) Benzaldehyde | 6.516 | 77 | 176058 | 18.952 | ng | 99 |
| 10) Phenol | 6.592 | 94 | 273102m | 20.693 | ng | |
| 11) bis(2-Chloroethyl)ether | 6.692 | 93 | 209360 | 20.491 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 6.910 | 146 | 225218 | 20.458 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.987 | 146 | 230409 | 20.804 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.139 | 146 | 219102 | 20.745 | ng | 99 |
| 15) Benzyl Alcohol | 7.098 | 79 | 184535 | 20.428 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.239 | 45 | 387425 | 20.571 | ng | 100 |
| 17) 2-Methylphenol | 7.204 | 107 | 172219 | 20.480 | ng | 99 |
| 18) Hexachloroethane | 7.486 | 117 | 74466 | 20.654 | ng | 100 |
| 19) n-Nitroso-di-n-propyla... | 7.369 | 70 | 153555 | 20.559 | ng | 98 |
| 20) 3+4-Methylphenols | 7.357 | 107 | 217393 | 21.080 | ng | 91 |
| 22) Acetophenone | 7.369 | 105 | 289716 | 20.725 | ng | 98 |
| 24) Nitrobenzene | 7.539 | 77 | 206781 | 20.721 | ng | 98 |
| 25) Isophorone | 7.781 | 82 | 404382 | 20.239 | ng | 100 |
| 26) 2-Nitrophenol | 7.857 | 139 | 61544 | 18.099 | ng | 98 |
| 27) 2,4-Dimethylphenol | 7.886 | 122 | 188840 | 20.363 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.986 | 93 | 252183 | 20.814 | ng | 99 |
| 29) 2,4-Dichlorophenol | 8.098 | 162 | 154978 | 20.427 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.186 | 180 | 177770 | 20.647 | ng | 99 |
| 31) Naphthalene | 8.269 | 128 | 601316 | 20.881 | ng | 100 |
| 32) Benzoic acid | 7.963 | 122 | 64517m | 18.587 | ng | |
| 33) 4-Chloroaniline | 8.310 | 127 | 239869 | 20.714 | ng | 98 |
| 34) Hexachlorobutadiene | 8.392 | 225 | 106359 | 20.655 | ng | 100 |
| 35) Caprolactam | 8.657 | 113 | 45418 | 19.171 | ng | 98 |
| 36) 4-Chloro-3-methylphenol | 8.781 | 107 | 171615 | 20.307 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.963 | 142 | 356378 | 20.744 | ng | 100 |
| 38) 1-Methylnaphthalene | 9.063 | 142 | 365700 | 20.524 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.128 | 216 | 170678 | 20.673 | ng | 98 |
| 41) Hexachlorocyclopentadiene | 9.122 | 237 | 86596 | 18.918 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 9.233 | 196 | 106780 | 20.815 | ng | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143096.D
Acq On : 15 Jul 2025 14:36
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 15 17:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.269 | 196 | 110466 | 20.537 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.422 | 154 | 473419 | 20.955 | ng | 100 |
| 47) 2-Chloronaphthalene | 9.451 | 162 | 341636 | 20.584 | ng | 100 |
| 48) 2-Nitroaniline | 9.533 | 65 | 83805 | 18.969 | ng | 99 |
| 49) Acenaphthylene | 9.863 | 152 | 576265 | 20.837 | ng | 100 |
| 50) Dimethylphthalate | 9.716 | 163 | 366019 | 20.536 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.775 | 165 | 62776 | 19.583 | ng | 96 |
| 52) Acenaphthene | 10.039 | 154 | 332427 | 20.369 | ng | 100 |
| 53) 3-Nitroaniline | 9.939 | 138 | 80094 | 20.797 | ng | 100 |
| 54) 2,4-Dinitrophenol | 10.045 | 184 | 15826 | 19.749 | ng | 71 |
| 55) Dibenzofuran | 10.210 | 168 | 505784 | 20.792 | ng | 100 |
| 56) 4-Nitrophenol | 10.086 | 139 | 57072 | 18.647 | ng | 98 |
| 57) 2,4-Dinitrotoluene | 10.175 | 165 | 71762 | 18.561 | ng | 95 |
| 58) Fluorene | 10.551 | 166 | 376169 | 20.626 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.322 | 232 | 85620 | 20.030 | ng | 98 |
| 60) Diethylphthalate | 10.422 | 149 | 356111 | 20.710 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.545 | 204 | 178641 | 20.436 | ng | 98 |
| 62) 4-Nitroaniline | 10.551 | 138 | 67264 | 20.084 | ng | 98 |
| 63) Azobenzene | 10.704 | 77 | 389419 | 20.478 | ng | 100 |
| 65) 4,6-Dinitro-2-methylph... | 10.580 | 198 | 23973 | 19.643 | ng | 94 |
| 66) n-Nitrosodiphenylamine | 10.657 | 169 | 332248 | 20.948 | ng | 98 |
| 67) 4-Bromophenyl-phenylether | 11.033 | 248 | 105446 | 20.535 | ng | 98 |
| 68) Hexachlorobenzene | 11.104 | 284 | 111727 | 20.507 | ng | 98 |
| 69) Atrazine | 11.180 | 200 | 83181 | 20.499 | ng | 99 |
| 70) Pentachlorophenol | 11.292 | 266 | 56380 | 18.862 | ng | 98 |
| 71) Phenanthrene | 11.516 | 178 | 501521 | 20.581 | ng | 99 |
| 72) Anthracene | 11.569 | 178 | 508525 | 20.752 | ng | 100 |
| 73) Carbazole | 11.716 | 167 | 455047 | 20.728 | ng | 99 |
| 74) Di-n-butylphthalate | 12.051 | 149 | 412206 | 20.456 | ng | 99 |
| 75) Fluoranthene | 12.704 | 202 | 455455 | 20.556 | ng | 100 |
| 77) Benzidine | 12.816 | 184 | 186115 | 23.083 | ng | 99 |
| 78) Pyrene | 12.933 | 202 | 462715 | 21.072 | ng | 99 |
| 80) Butylbenzylphthalate | 13.545 | 149 | 73439 | 18.875 | ng | 96 |
| 81) Benzo(a)anthracene | 14.115 | 228 | 332795 | 21.102 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 14.074 | 252 | 96174 | 21.000 | ng | 99 |
| 83) Chrysene | 14.157 | 228 | 286610 | 19.732 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.110 | 149 | 113349 | 19.236 | ng | 98 |
| 85) Di-n-octyl phthalate | 14.727 | 149 | 192002 | 19.817 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 17.174 | 276 | 400422 | 20.516 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.186 | 252 | 307312 | 20.302 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.215 | 252 | 291618 | 20.194 | ng | 99 |
| 90) Benzo(a)pyrene | 15.568 | 252 | 290809 | 20.313 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.192 | 278 | 332152 | 20.818 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.639 | 276 | 331447 | 20.376 | ng | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

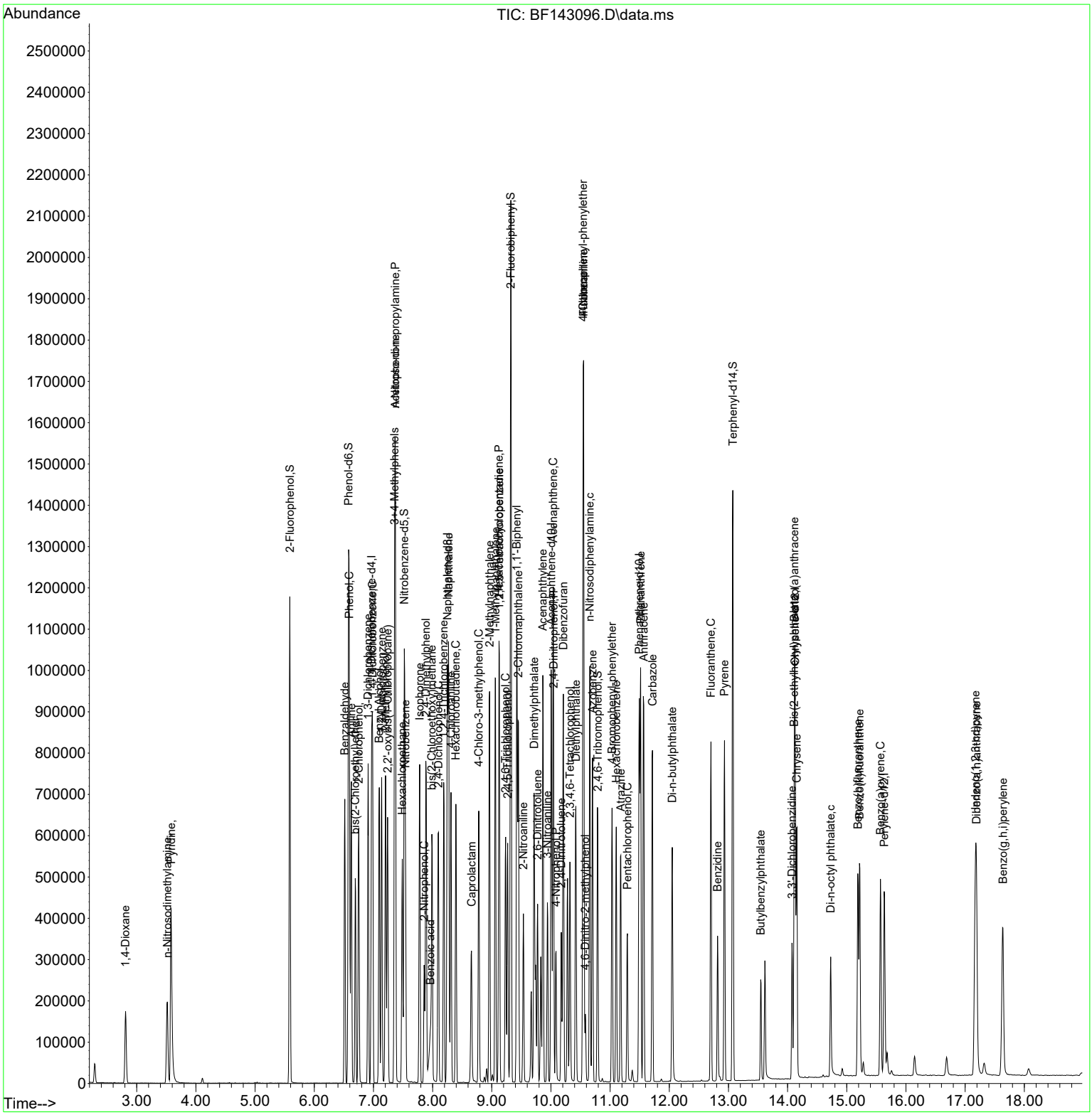
ICAL Form

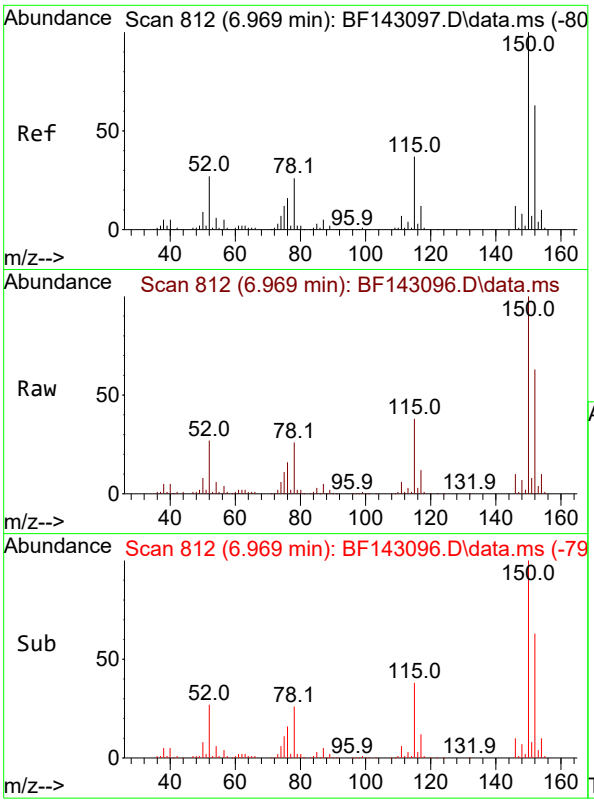
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143096.D
Acq On : 15 Jul 2025 14:36
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 15 17:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

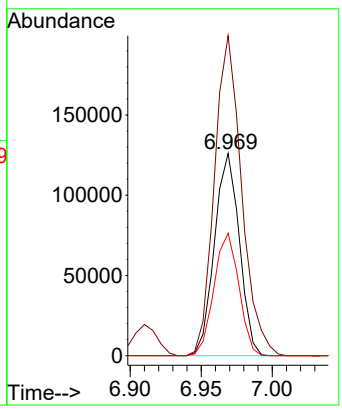





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:152 Resp: 15323

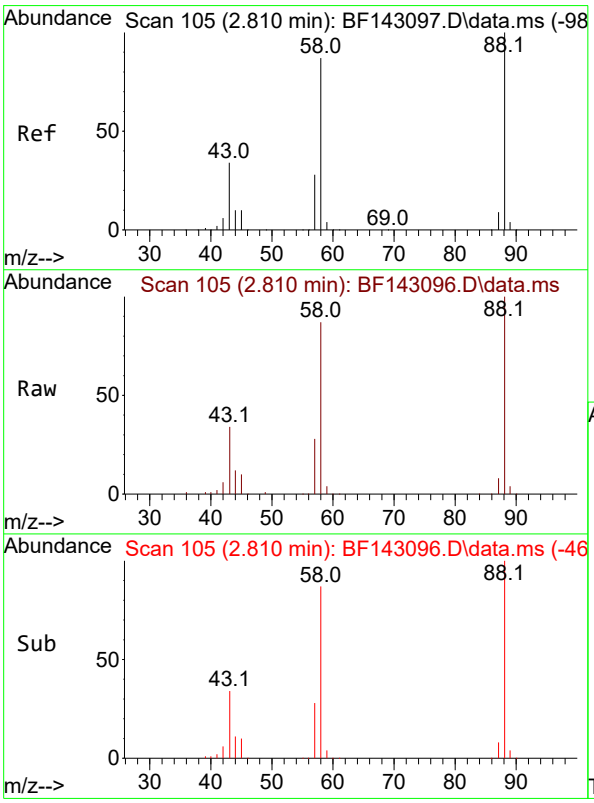
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.3 | 126.5 | 189.7 |
| 115 | 60.6 | 47.0 | 70.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
**APPROVED**

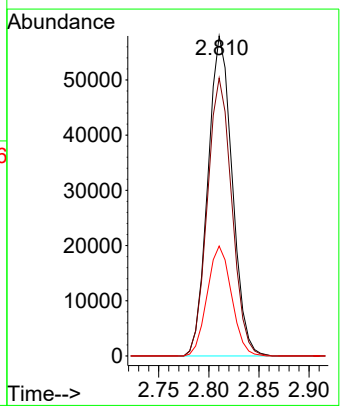
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

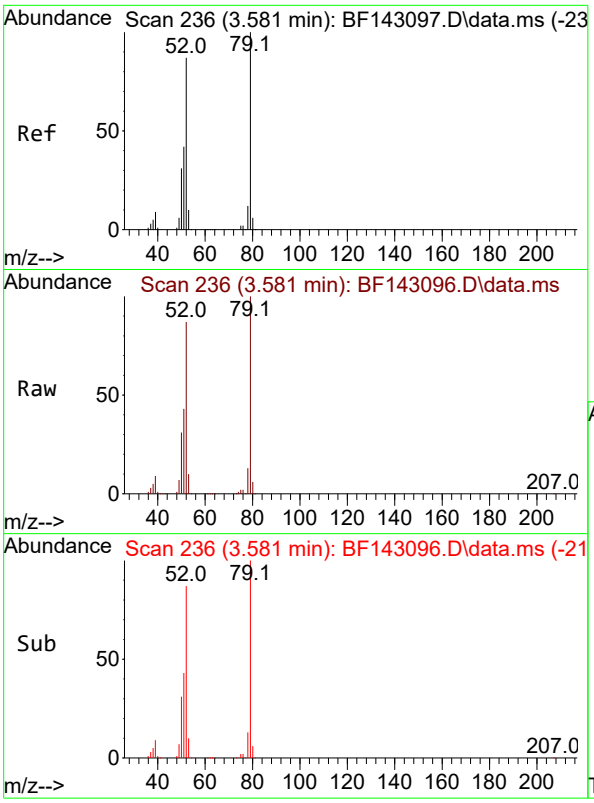



#2
1,4-Dioxane
Concen: 20.301 ng
RT: 2.810 min Scan# 105
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 88 Resp: 98010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 87.1 | 70.5 | 105.7 |
| 43 | 34.3 | 27.3 | 40.9 |

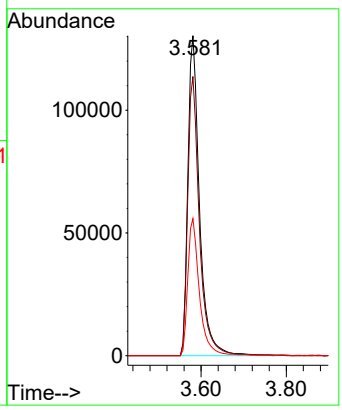





#3
Pyridine
Concen: 20.259 ng
RT: 3.581 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 79 Resp: 24767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 87.3 | 69.2 | 103.8 |
| 51 | 42.8 | 33.3 | 49.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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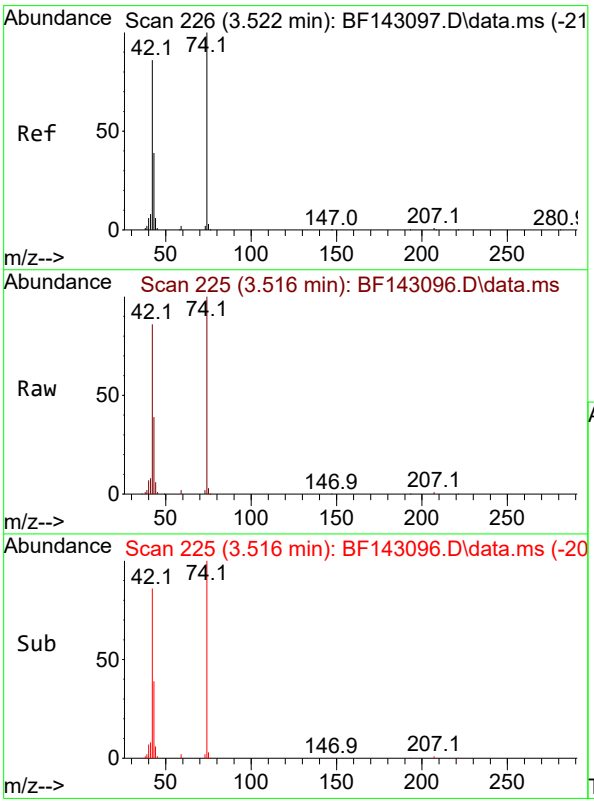
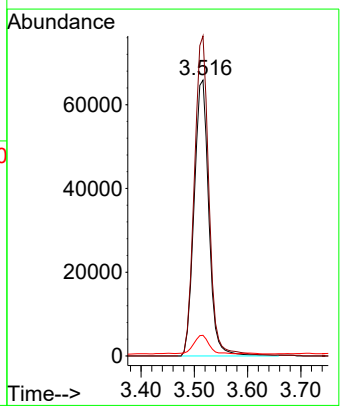
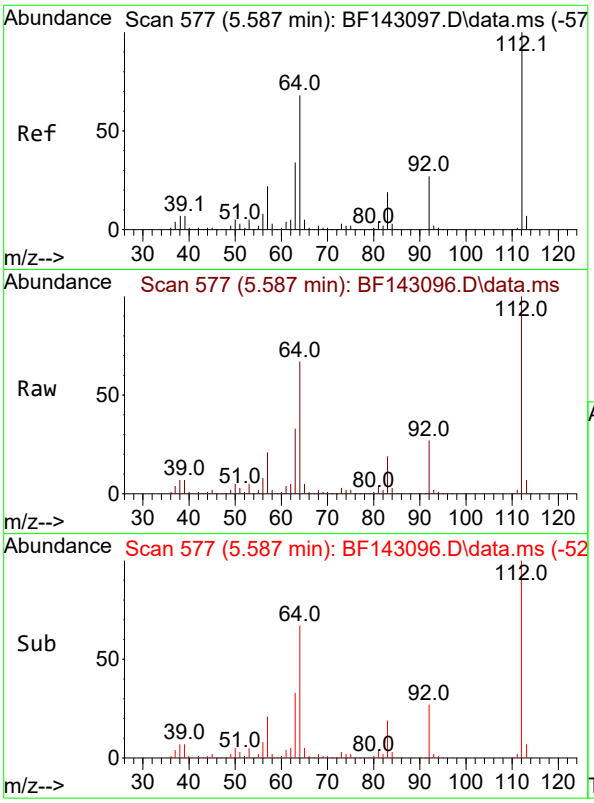



#4
n-Nitrosodimethylamine
Concen: 19.948 ng
RT: 3.516 min Scan# 225
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 42 Resp: 126355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 116.0 | 92.8 | 139.2 |
| 44 | 7.5 | 5.8 | 8.6 |

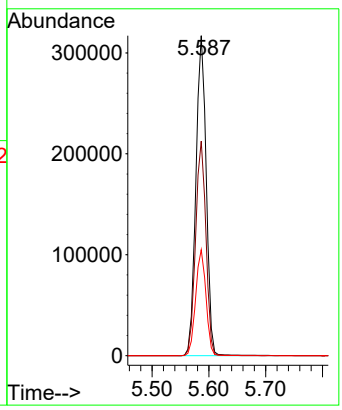





#5
2-Fluorophenol
Concen: 41.549 ng
RT: 5.587 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:112 Resp: 40297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 67.1 | 54.6 | 82.0 |
| 63 | 33.1 | 27.3 | 40.9 |




**Instrument :**
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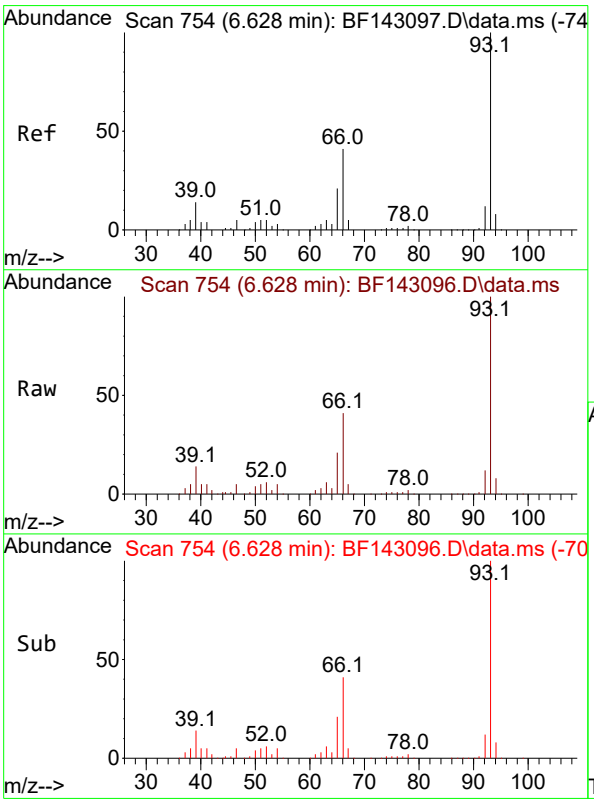
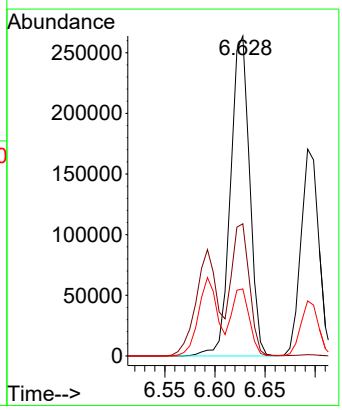
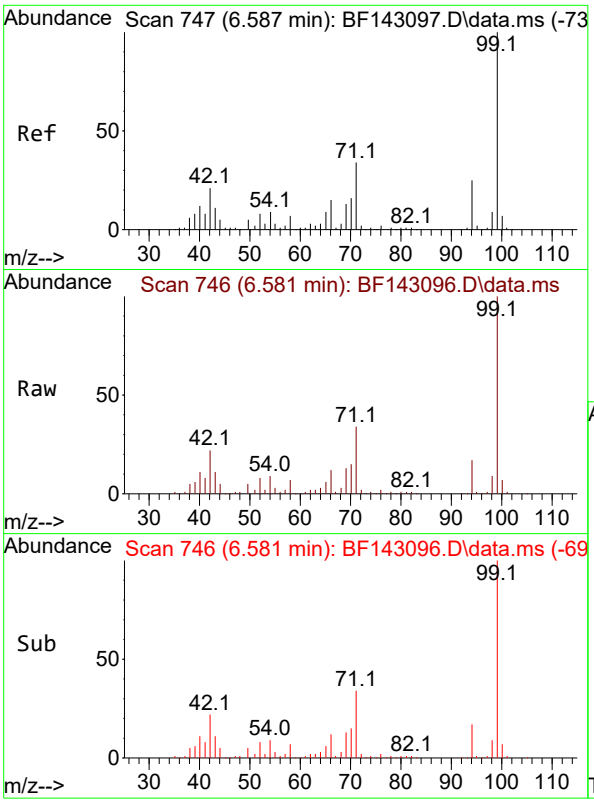



#6
Aniline
Concen: 20.349 ng
RT: 6.628 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 93 Resp: 349337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 41.3 | 33.1 | 49.7 |
| 65 | 20.9 | 16.9 | 25.3 |

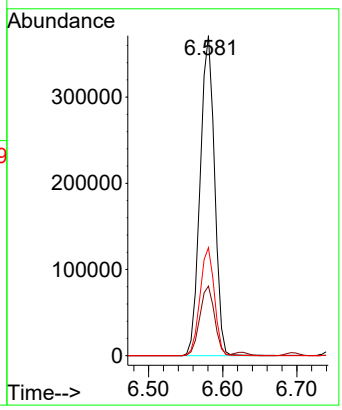





#7
Phenol-d6
Concen: 41.231 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 99 Resp: 50265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.8 | 17.2 | 25.8 |
| 71 | 33.8 | 27.4 | 41.0 |




**Instrument :**
BNA_F
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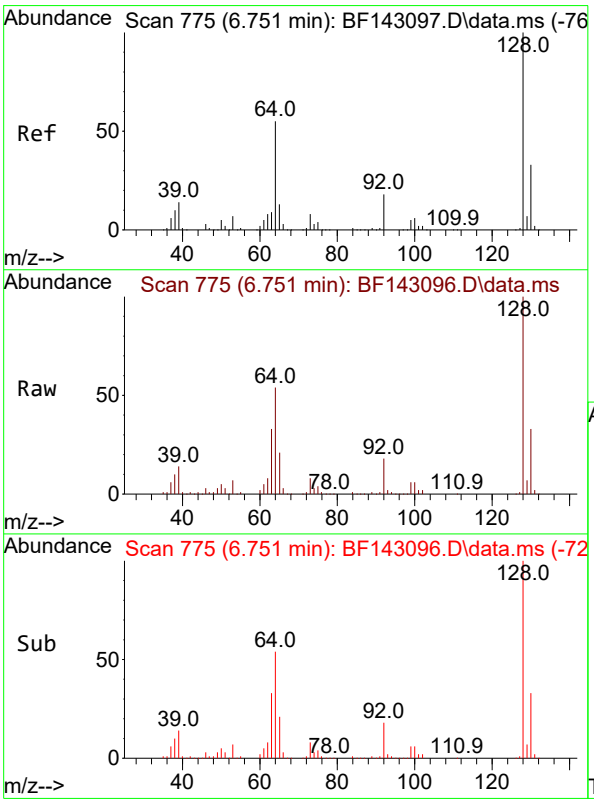
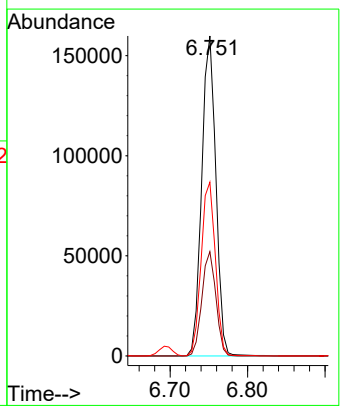
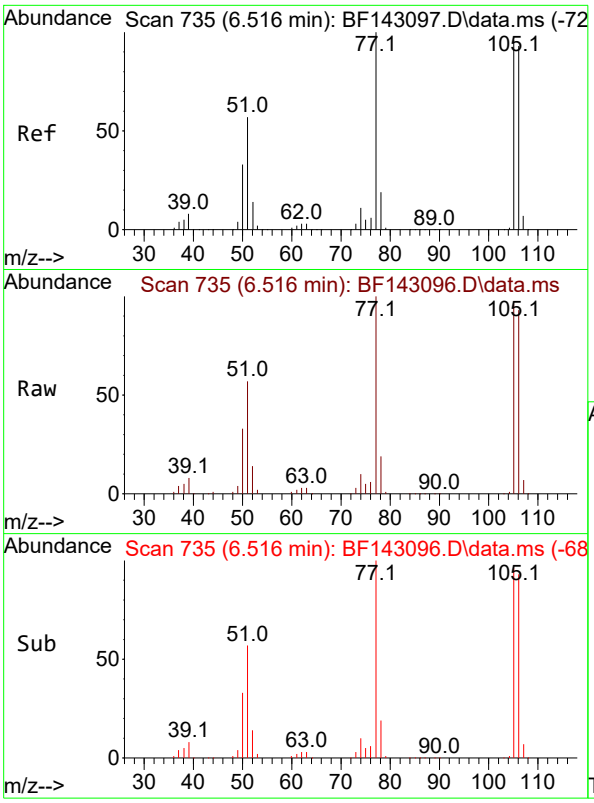



#8
2-Chlorophenol
Concen: 20.775 ng
RT: 6.751 min Scan# 775
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:128 Resp: 202437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.6 | 12.8 | 52.8 |
| 64 | 54.3 | 36.1 | 76.1 |

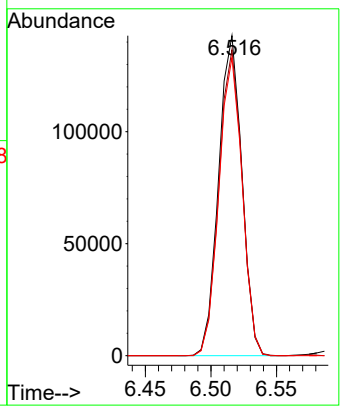





#9
Benzaldehyde
Concen: 18.952 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 77 Resp: 17605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 95.6 | 76.3 | 116.3 |
| 106 | 93.1 | 72.8 | 112.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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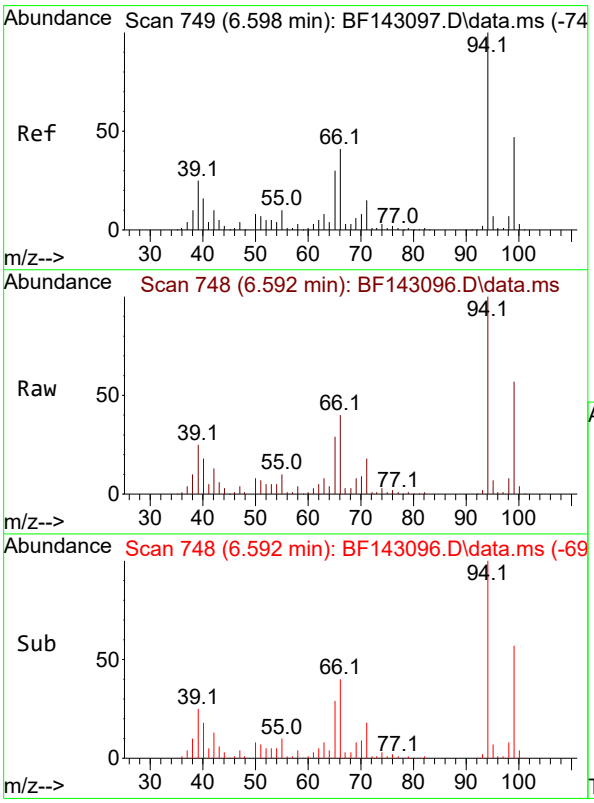
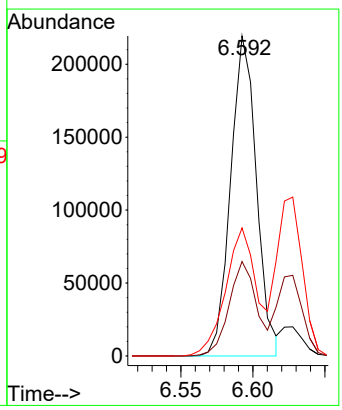
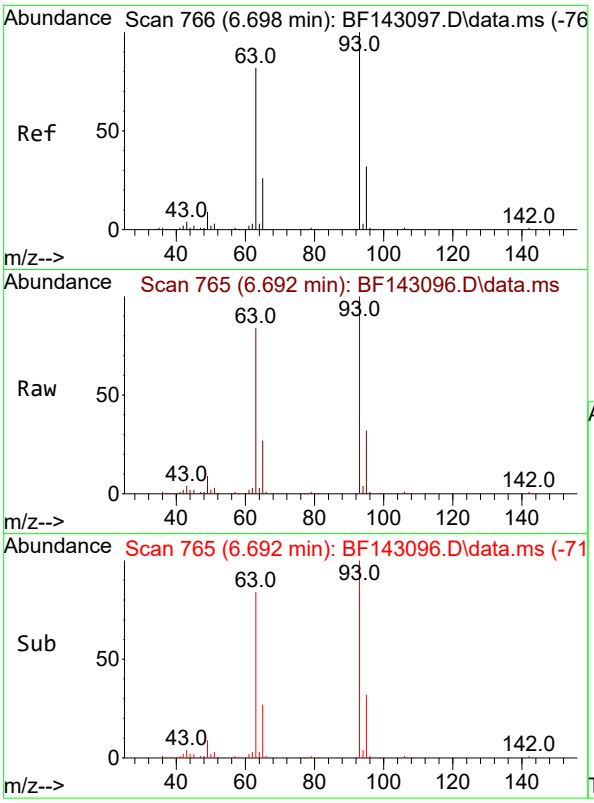



#10
Phenol
Concen: 20.693 ng m
RT: 6.592 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 94 Resp: 273102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.5 | 9.8 | 49.8 |
| 66 | 40.0 | 20.5 | 60.5 |

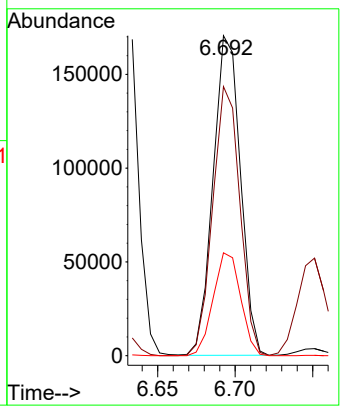





#11
bis(2-Chloroethyl)ether
Concen: 20.491 ng
RT: 6.692 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 93 Resp: 20936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 84.1 | 61.9 | 101.9 |
| 95 | 32.2 | 12.2 | 52.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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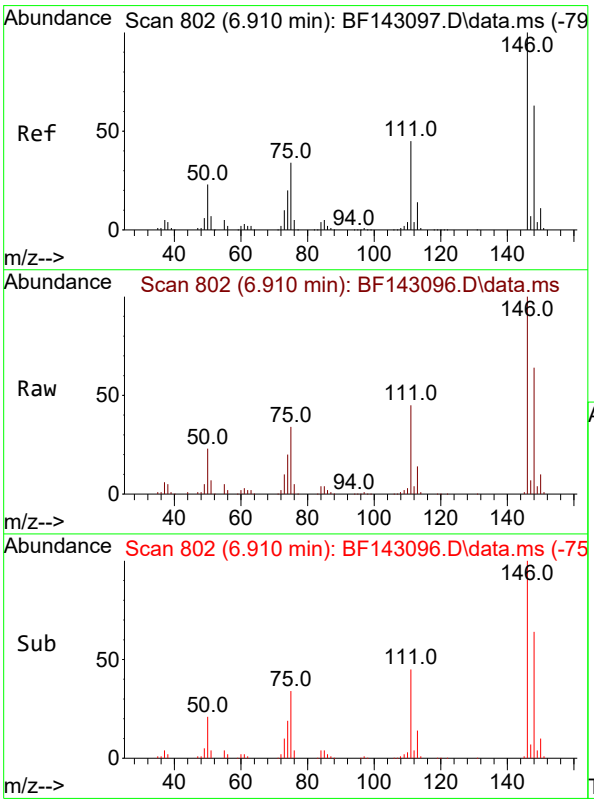
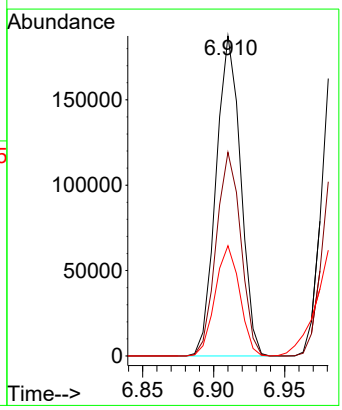
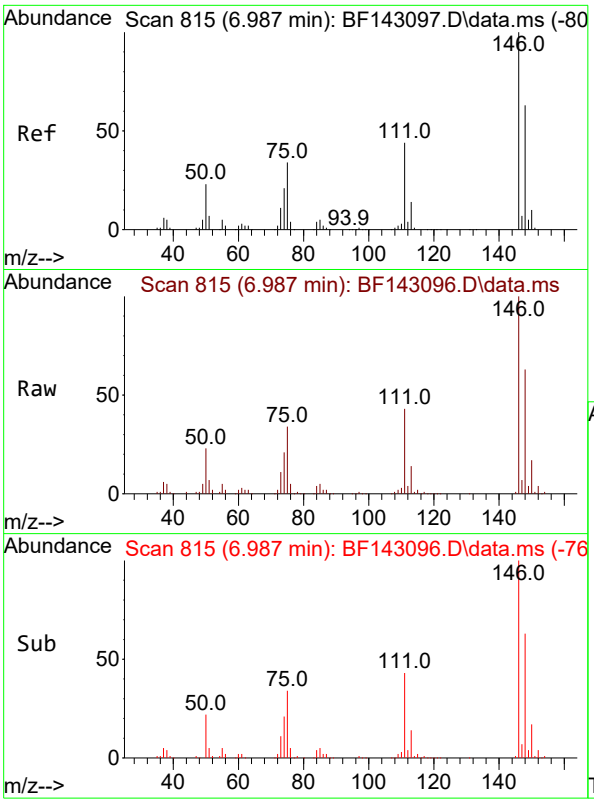



#12
1,3-Dichlorobenzene
Concen: 20.458 ng
RT: 6.910 min Scan# 802
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:146 Resp: 225218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.7 | 50.1 | 75.1 |
| 75 | 34.5 | 27.4 | 41.0 |

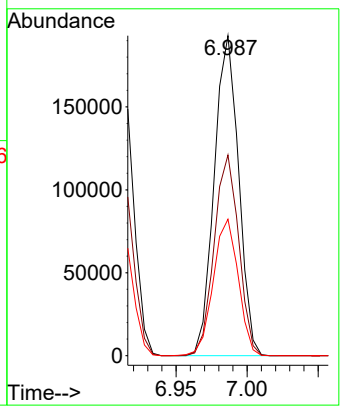





#13
1,4-Dichlorobenzene
Concen: 20.804 ng
RT: 6.987 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:146 Resp: 23040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.7 | 50.6 | 76.0 |
| 111 | 42.7 | 35.0 | 52.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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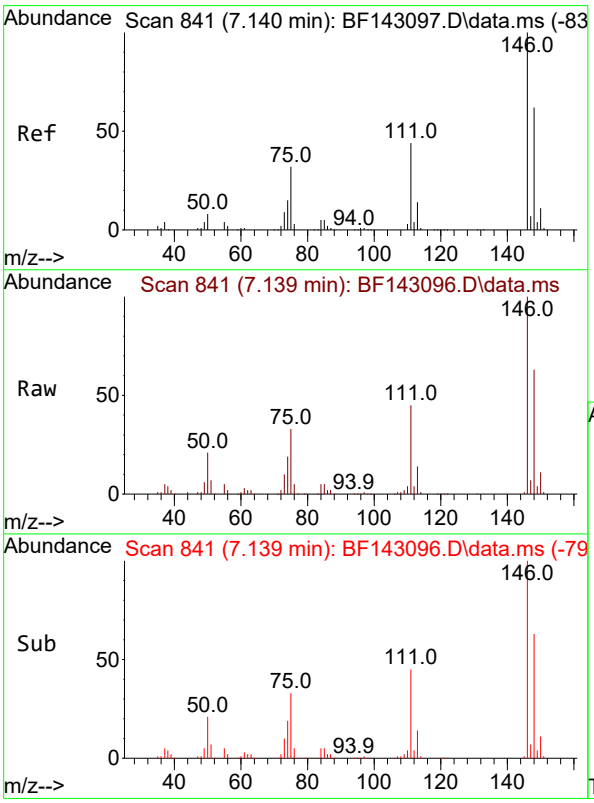
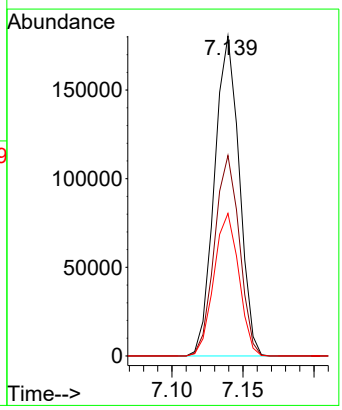
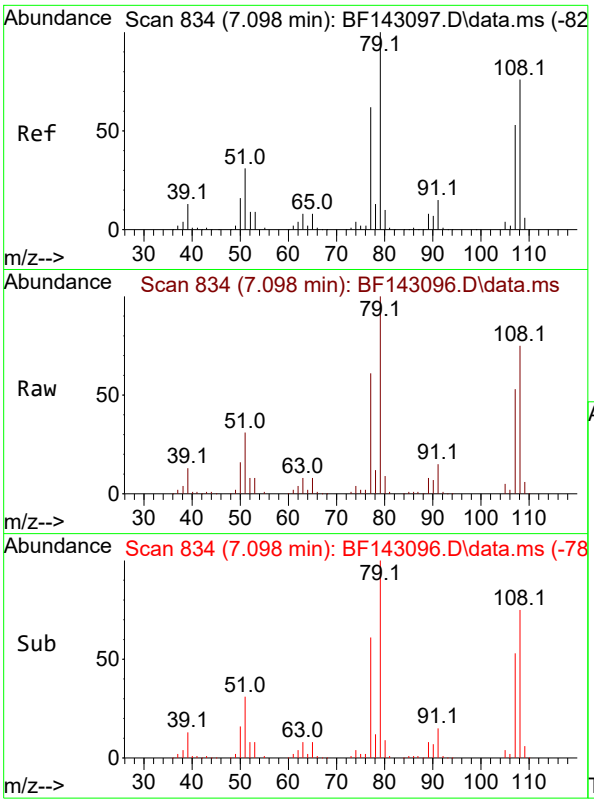



#14
1,2-Dichlorobenzene
Concen: 20.745 ng
RT: 7.139 min Scan# 841
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:146 Resp: 219102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.6 | 49.8 | 74.6 |
| 111 | 44.5 | 35.4 | 53.0 |

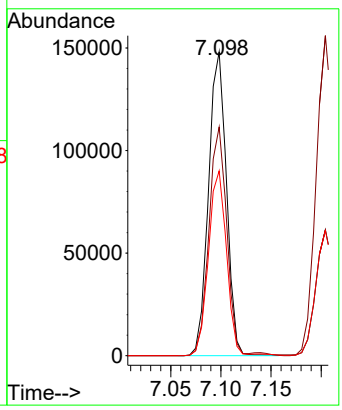





#15
Benzyl Alcohol
Concen: 20.428 ng
RT: 7.098 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 79 Resp: 18453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 75.2 | 61.1 | 91.7 |
| 77 | 60.8 | 49.9 | 74.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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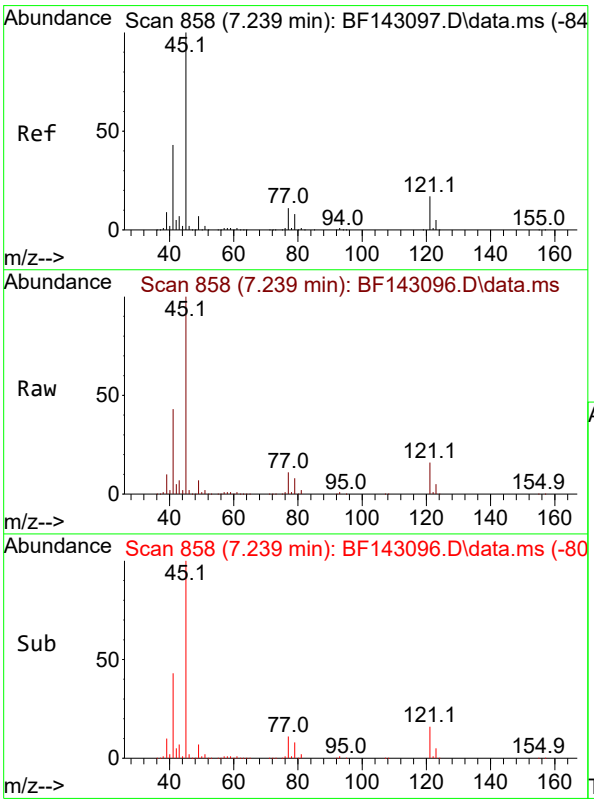
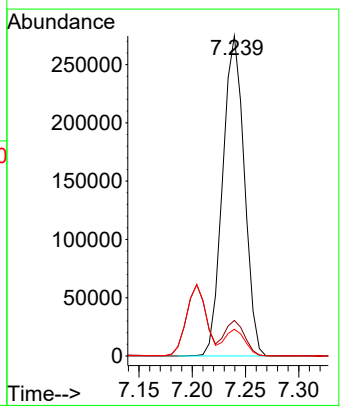
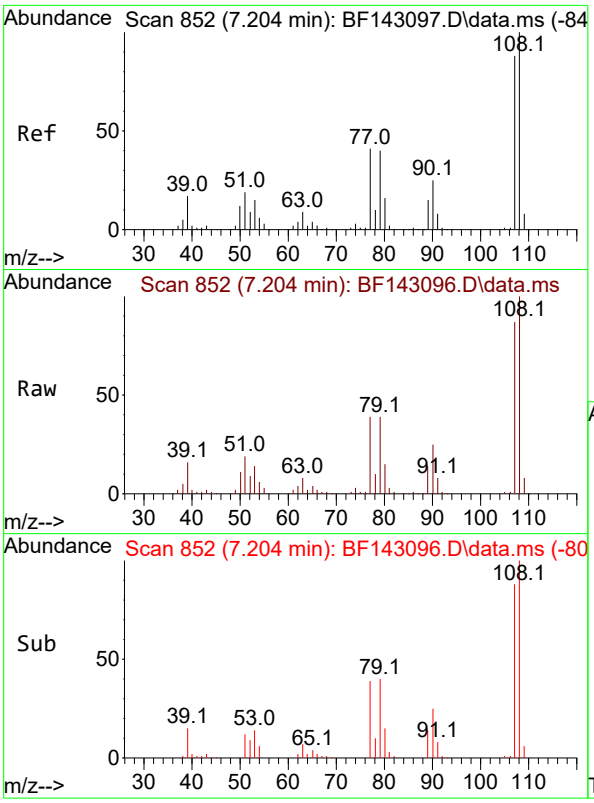



#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.571 ng
RT: 7.239 min Scan# 858
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 45 Resp: 387425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 11.1 | 0.0 | 31.1 |
| 79 | 8.4 | 0.0 | 28.4 |

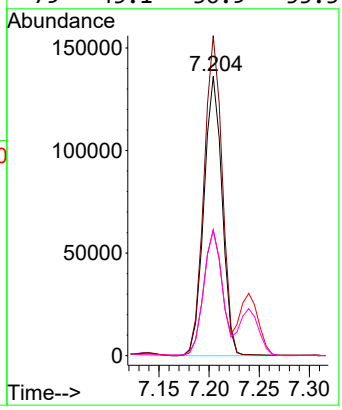





#17
2-Methylphenol
Concen: 20.480 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:107 Resp: 17221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.5 | 90.9 | 136.3 |
| 77 | 44.9 | 37.5 | 56.3 |
| 79 | 45.1 | 36.9 | 55.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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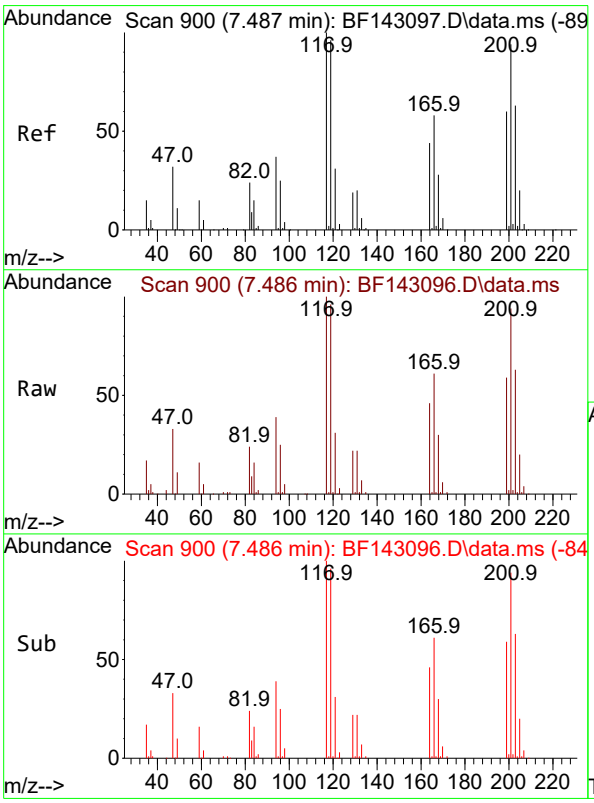
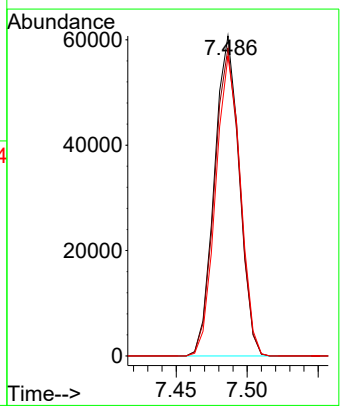
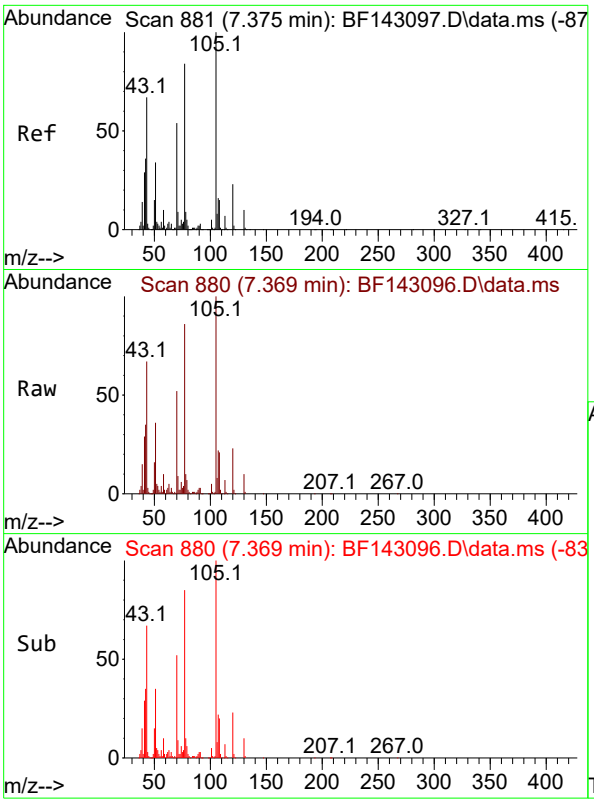



#18
Hexachloroethane
Concen: 20.654 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:117 Resp: 74466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.2 | 76.7 | 115.1 |
| 201 | 93.7 | 75.0 | 112.4 |

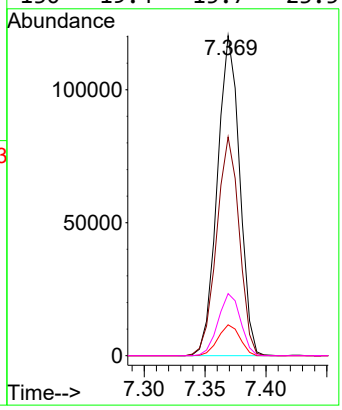





#19
n-Nitroso-di-n-propylamine
Concen: 20.559 ng
RT: 7.369 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 70 Resp: 15355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 68.3 | 53.2 | 79.8 |
| 101 | 9.7 | 7.5 | 11.3 |
| 130 | 19.4 | 15.7 | 23.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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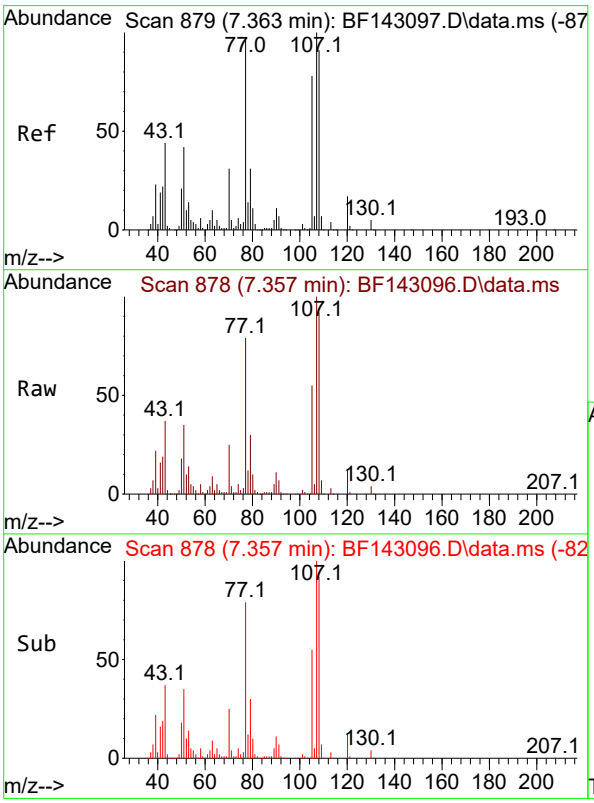
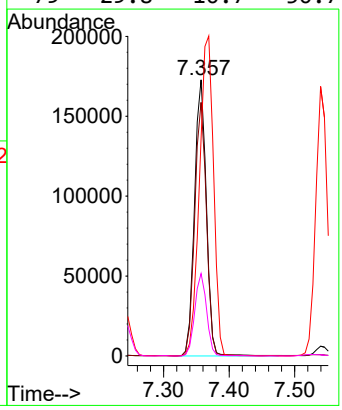
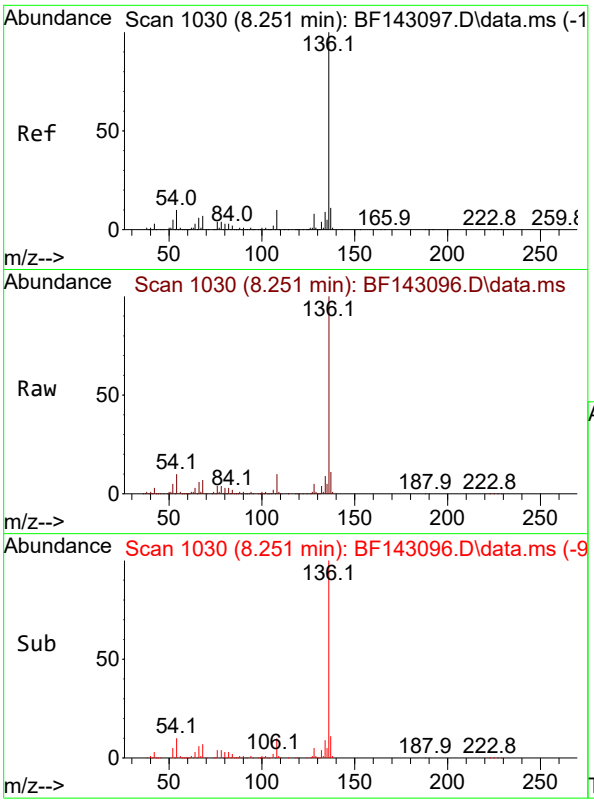



#20
3+4-Methylphenols
Concen: 21.080 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:107 Resp: 217393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.8 | 71.3 | 111.3 |
| 77 | 78.6 | 77.2 | 117.2 |
| 79 | 29.8 | 10.7 | 50.7 |

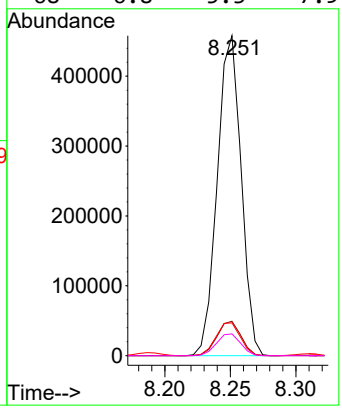





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:136 Resp: 57990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.9 | 13.3 |
| 54 | 10.2 | 8.3 | 12.5 |
| 68 | 6.8 | 5.3 | 7.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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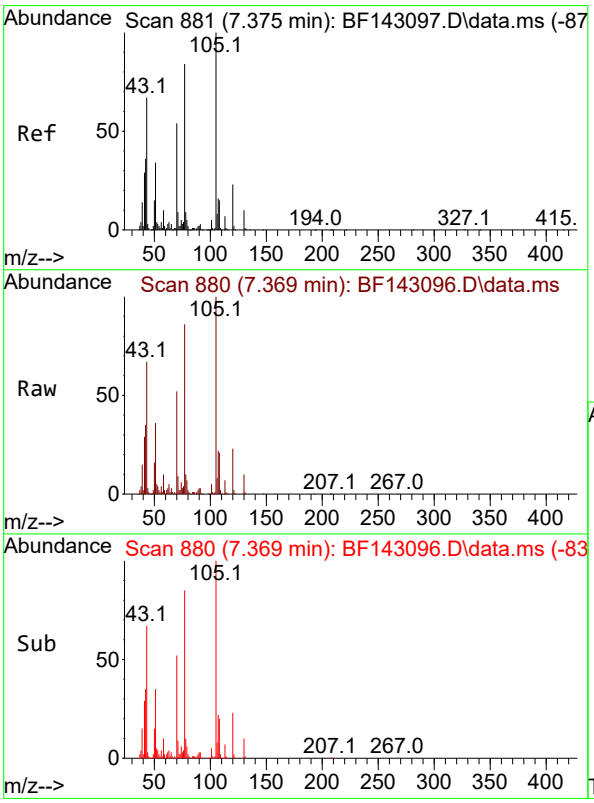
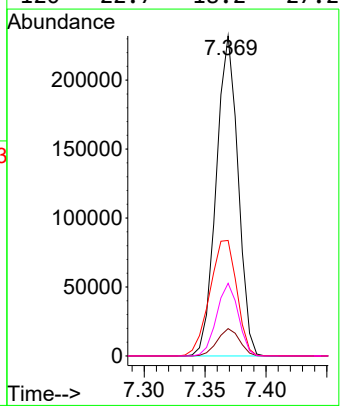
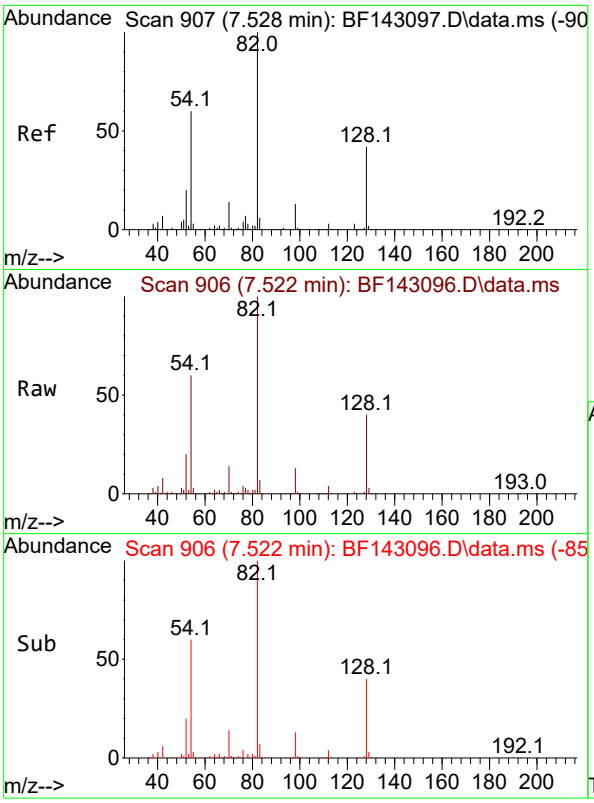



#22
Acetophenone
Concen: 20.725 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:105 Resp: 289716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.5 | 7.2 | 10.8 |
| 51 | 36.1 | 27.0 | 40.4 |
| 120 | 22.7 | 18.2 | 27.2 |






#23
Nitrobenzene-d5
Concen: 40.693 ng m
RT: 7.522 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 82 Resp: 42067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 40.4 | 33.3 | 49.9 |
| 54 | 60.2 | 47.4 | 71.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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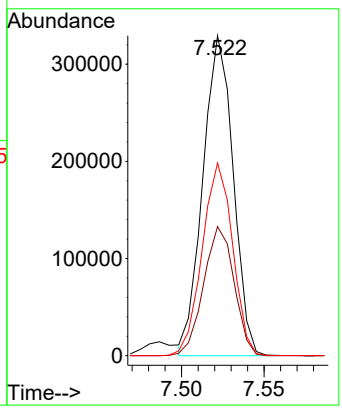
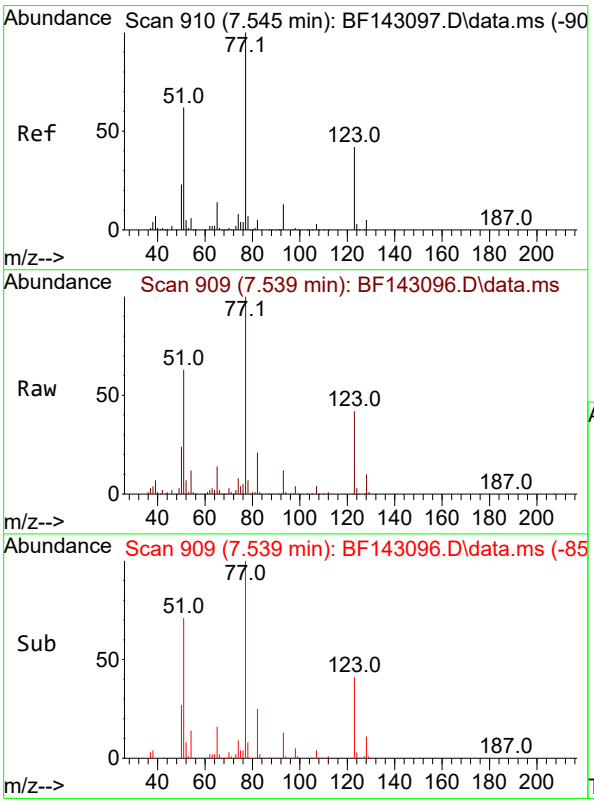
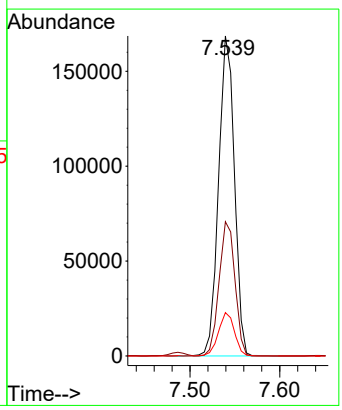


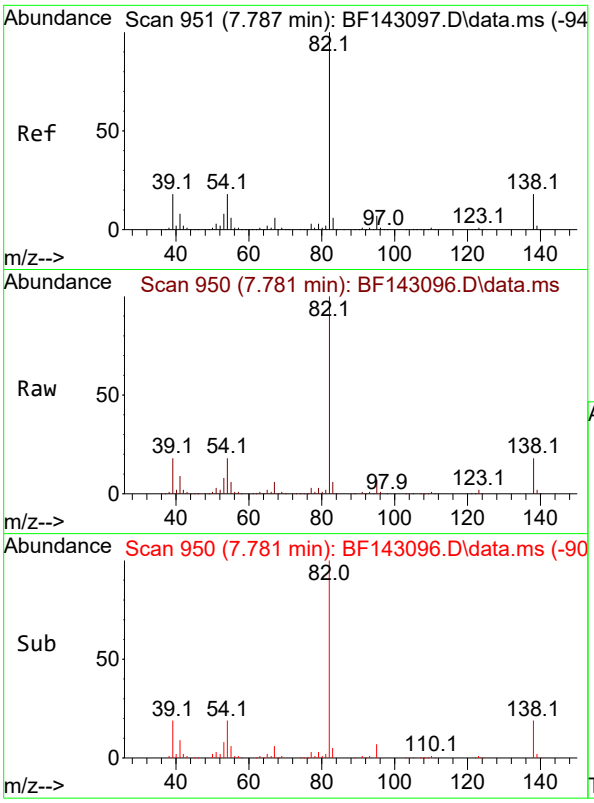




#24
Nitrobenzene
Concen: 20.721 ng
RT: 7.539 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 77 Resp: 206781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 42.0 | 34.5 | 51.7 |
| 65 | 13.5 | 11.3 | 16.9 |

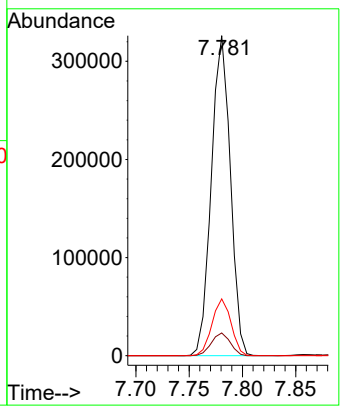





#25
Isophorone
Concen: 20.239 ng
RT: 7.781 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 82 Resp: 40438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.1 | 5.6 | 8.4 |
| 138 | 17.7 | 14.3 | 21.5 |

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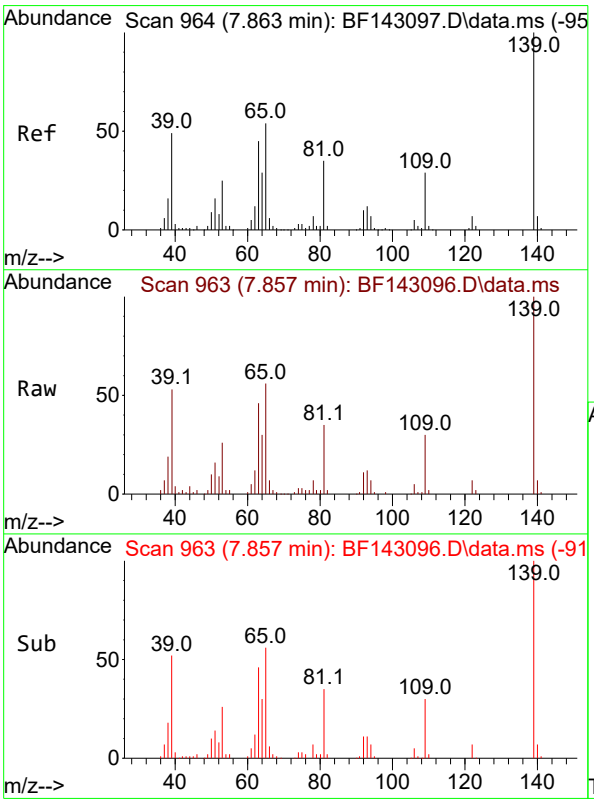
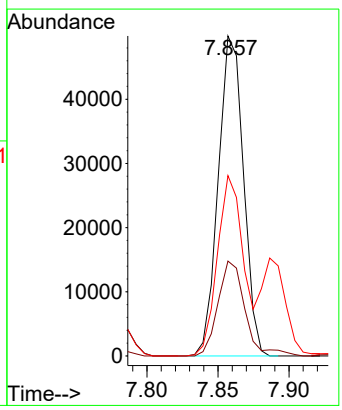
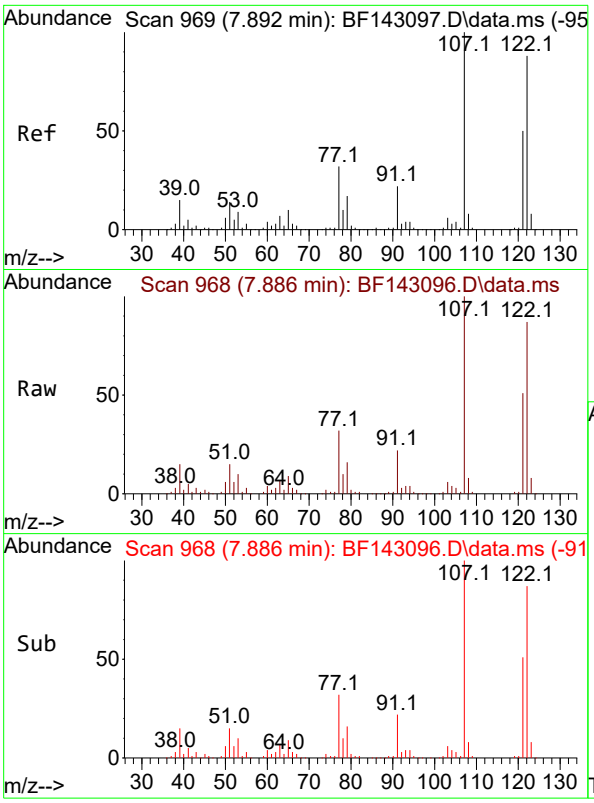



#26
2-Nitrophenol
Concen: 18.099 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:139 Resp: 61544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 29.7 | 23.4 | 35.0 |
| 65 | 56.3 | 43.4 | 65.2 |

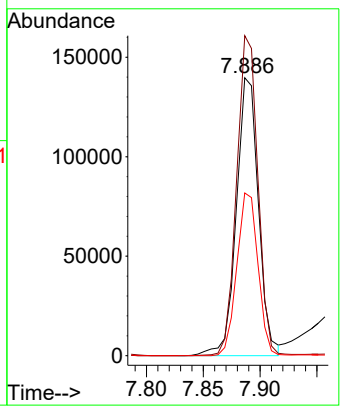





#27
2,4-Dimethylphenol
Concen: 20.363 ng
RT: 7.886 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:122 Resp: 18884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 115.1 | 91.3 | 136.9 |
| 121 | 58.6 | 45.5 | 68.3 |




**Instrument :**
BNA_F
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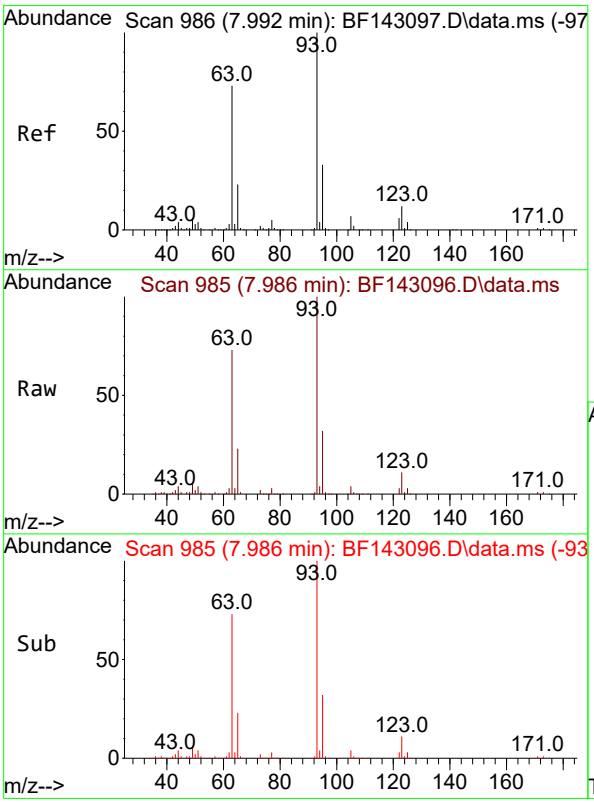
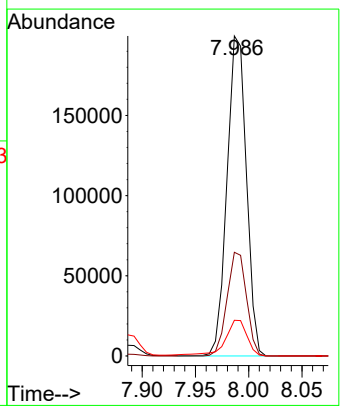
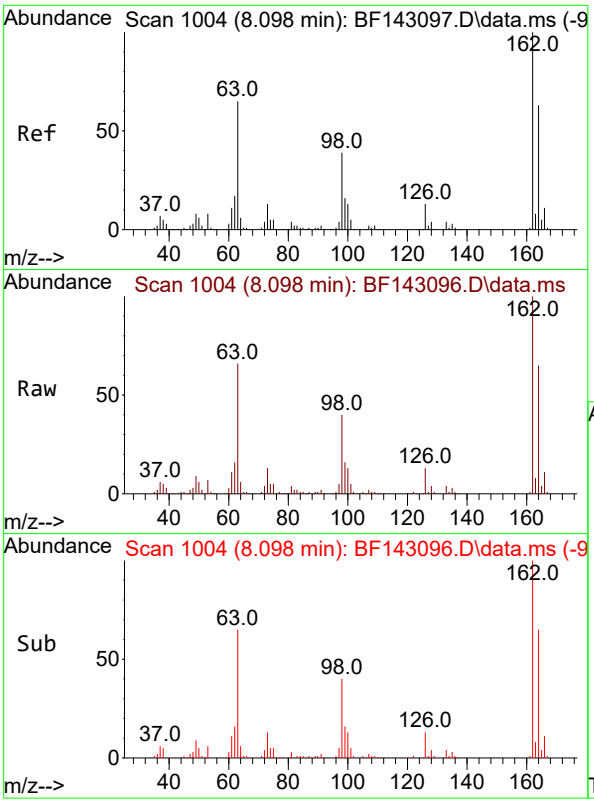



#28
bis(2-Chloroethoxy)methane
Concen: 20.814 ng
RT: 7.986 min Scan# 985
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 93 Resp: 252183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.4 | 26.2 | 39.4 |
| 123 | 11.1 | 9.6 | 14.4 |

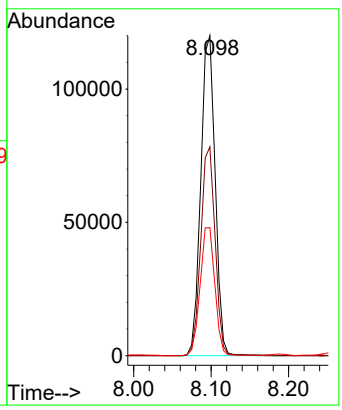





#29
2,4-Dichlorophenol
Concen: 20.427 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:162 Resp: 15497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 65.2 | 43.1 | 83.1 |
| 98 | 40.0 | 19.2 | 59.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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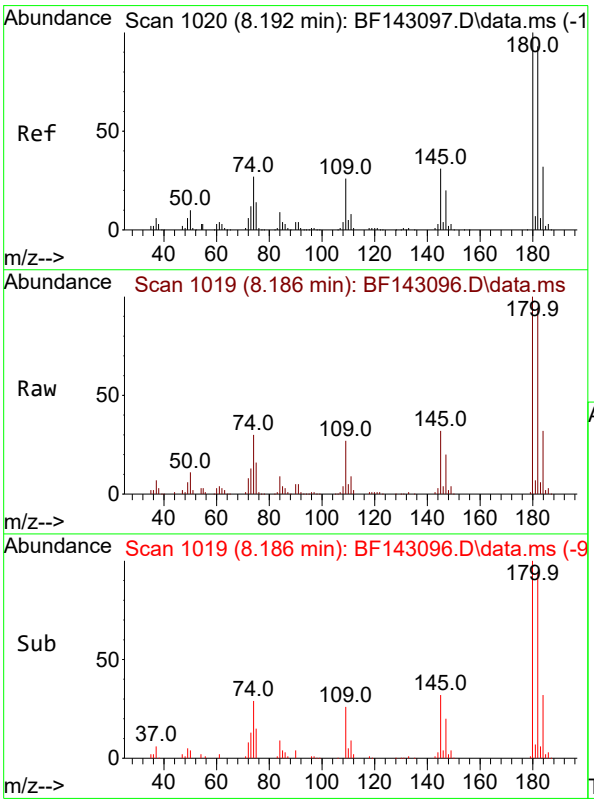
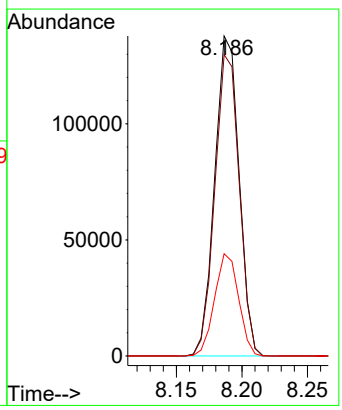
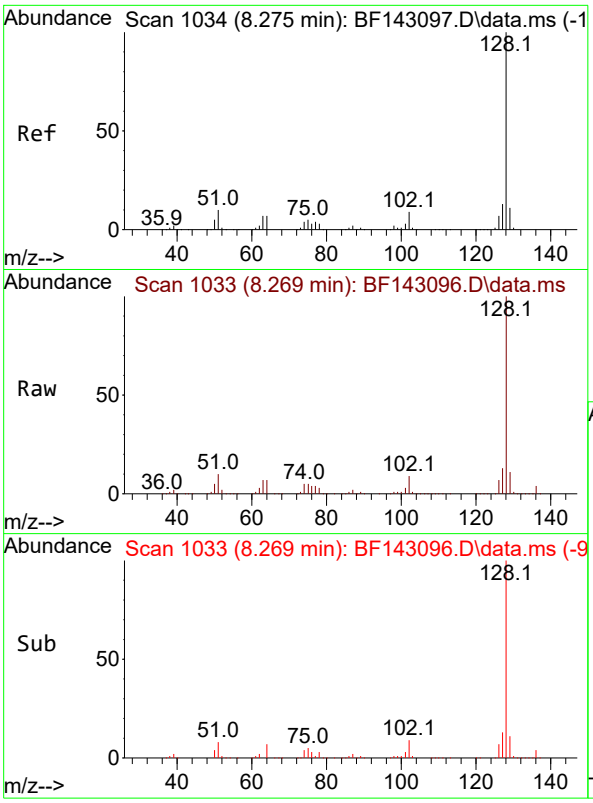



#30
1,2,4-Trichlorobenzene
Concen: 20.647 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:180 Resp: 177770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.2 | 74.7 | 112.1 |
| 145 | 31.9 | 24.5 | 36.7 |

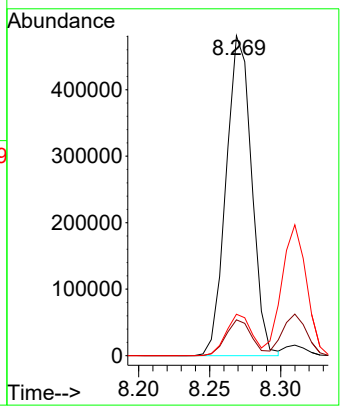





#31
Naphthalene
Concen: 20.881 ng
RT: 8.269 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:128 Resp: 60131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 9.0 | 13.4 |
| 127 | 13.0 | 10.5 | 15.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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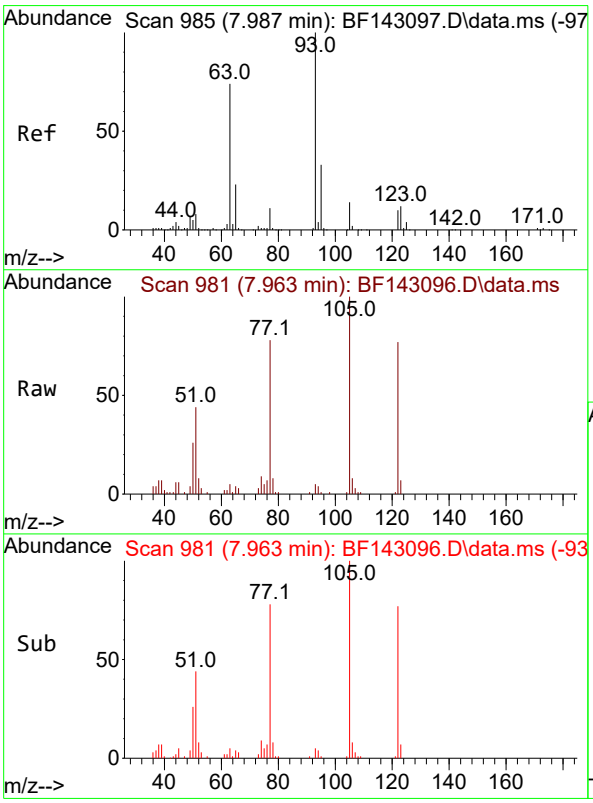
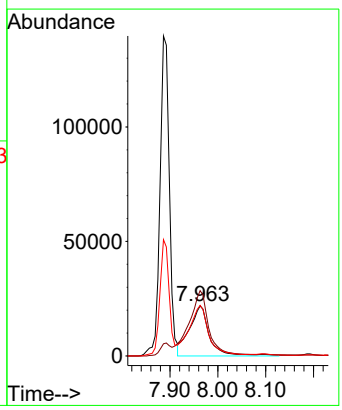
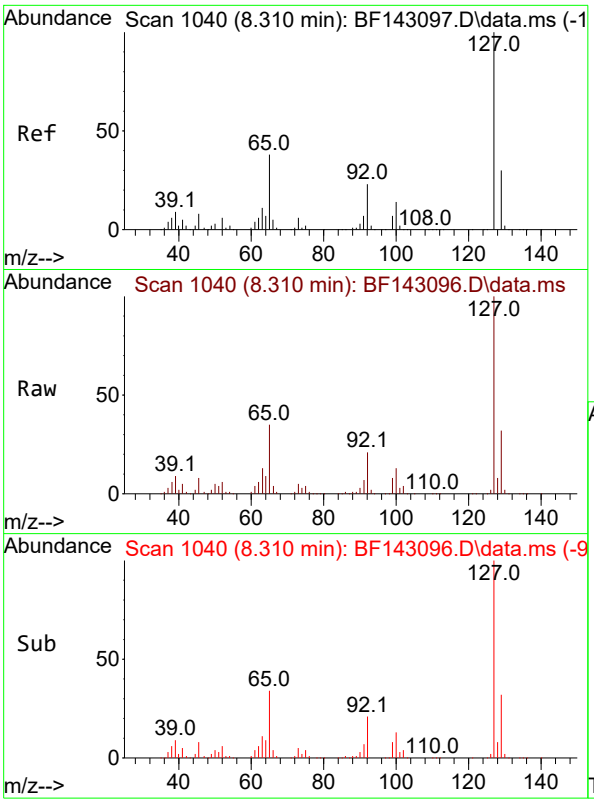



#32
Benzoic acid
Concen: 18.587 ng m
RT: 7.963 min Scan# 981
Delta R.T. -0.024 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:122 Resp: 64517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 130.0 | 105.4 | 145.4 |
| 77 | 100.9 | 78.6 | 118.6 |

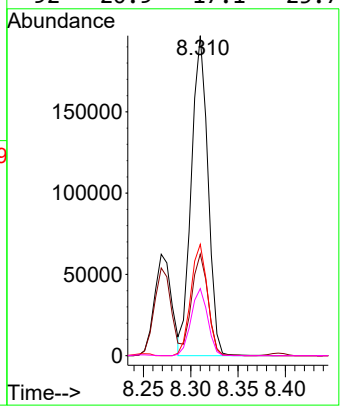





#33
4-Chloroaniline
Concen: 20.714 ng
RT: 8.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:127 Resp: 23986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.7 | 26.2 | 39.4 |
| 65 | 34.8 | 28.6 | 42.8 |
| 92 | 20.9 | 17.1 | 25.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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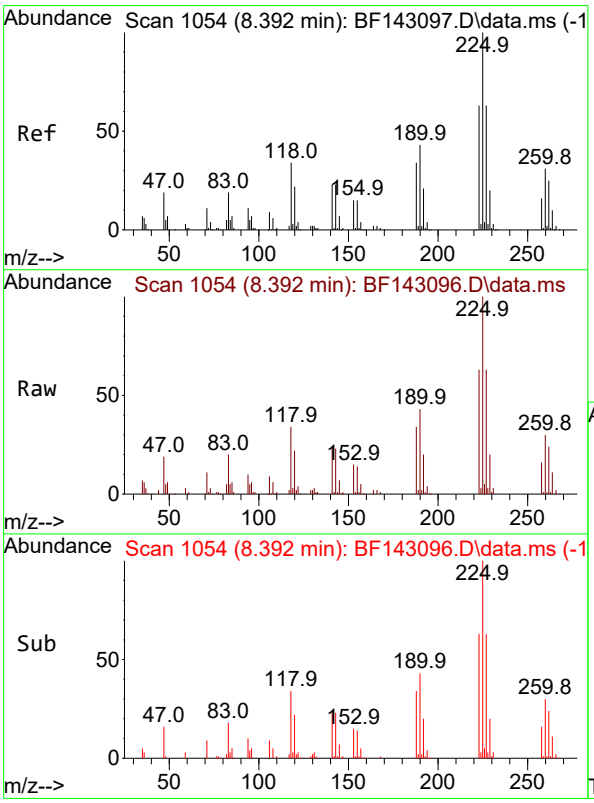
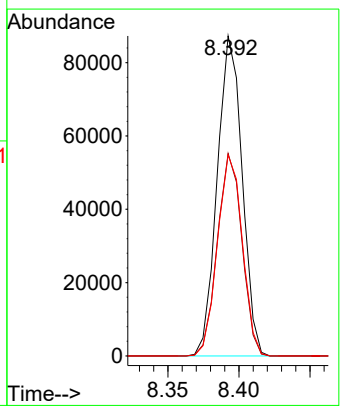
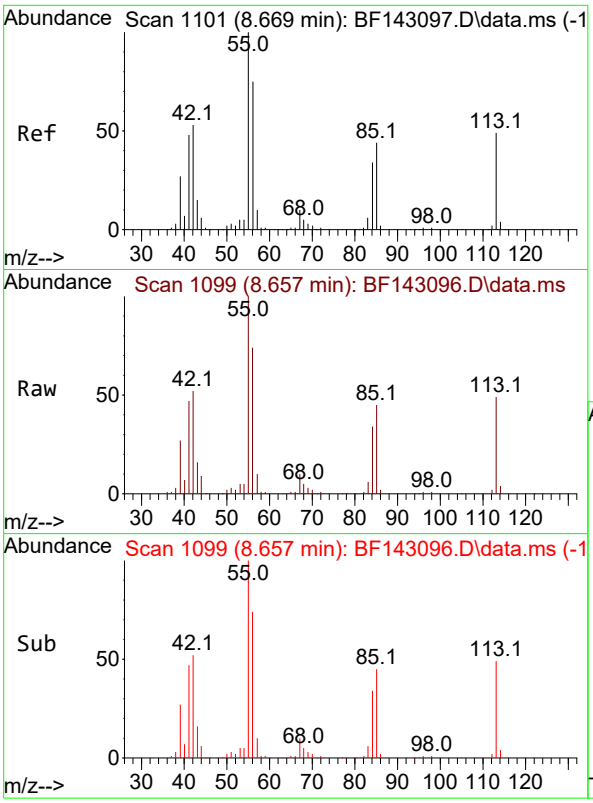



#34
Hexachlorobutadiene
Concen: 20.655 ng
RT: 8.392 min Scan# 1054
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:225 Resp: 106359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.3 | 50.3 | 75.5 |
| 227 | 62.9 | 50.1 | 75.1 |

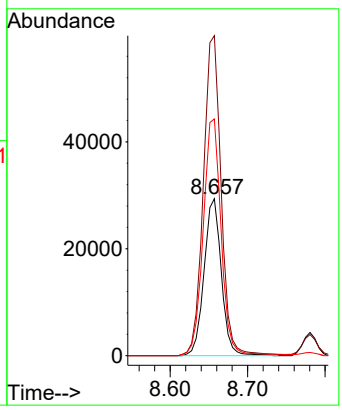





#35
Caprolactam
Concen: 19.171 ng
RT: 8.657 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:113 Resp: 4541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 203.9 | 186.2 | 226.2 |
| 56 | 150.9 | 134.1 | 174.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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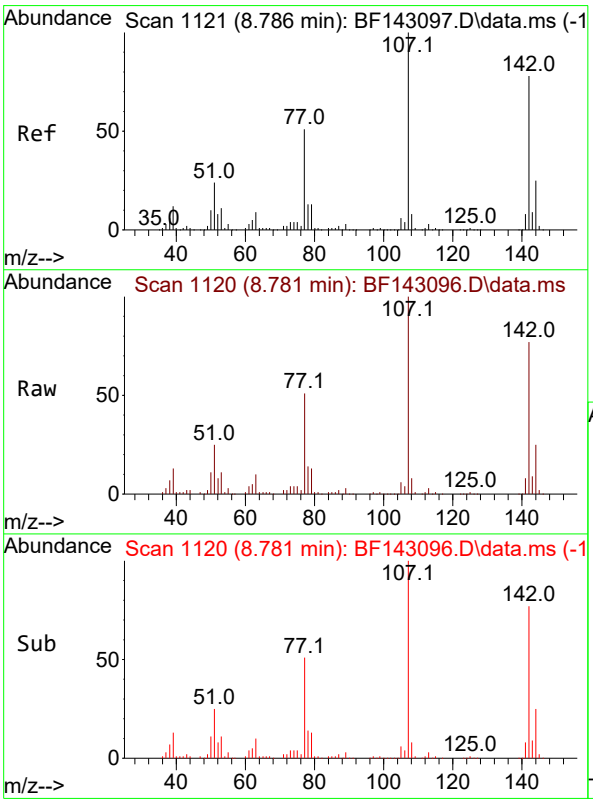
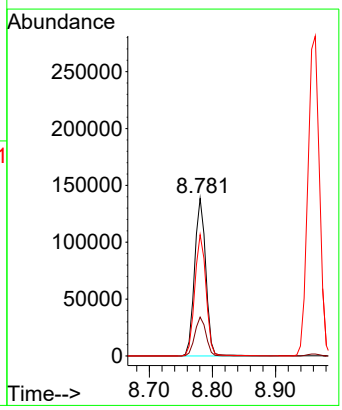
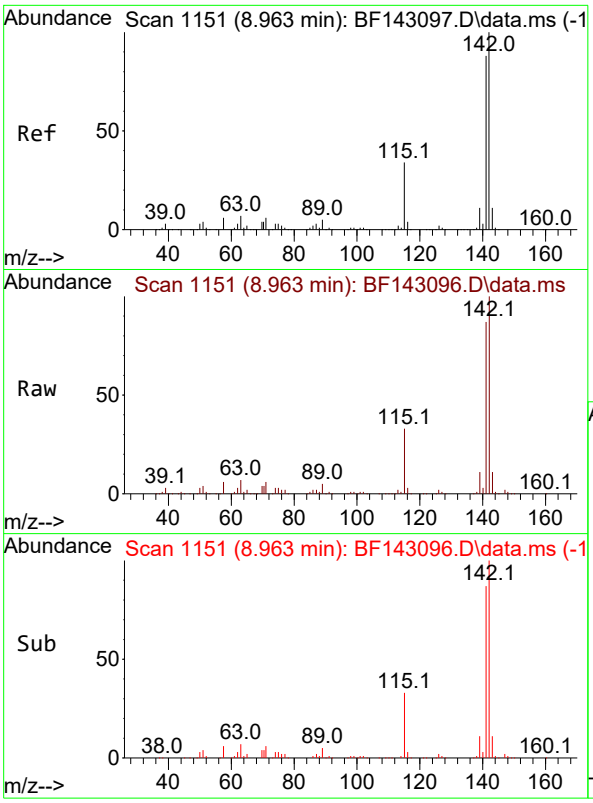



#36
4-Chloro-3-methylphenol
Concen: 20.307 ng
RT: 8.781 min Scan# 1120
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:107 Resp: 171615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.6 | 20.2 | 30.2 |
| 142 | 77.0 | 62.4 | 93.6 |






#37
2-Methylnaphthalene
Concen: 20.744 ng
RT: 8.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:142 Resp: 35637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.4 | 70.2 | 105.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
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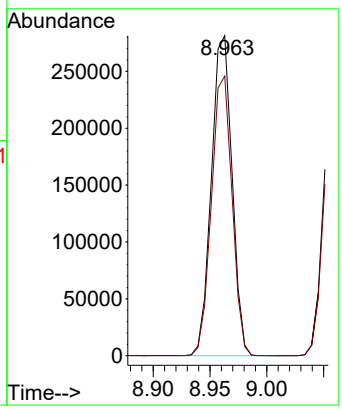
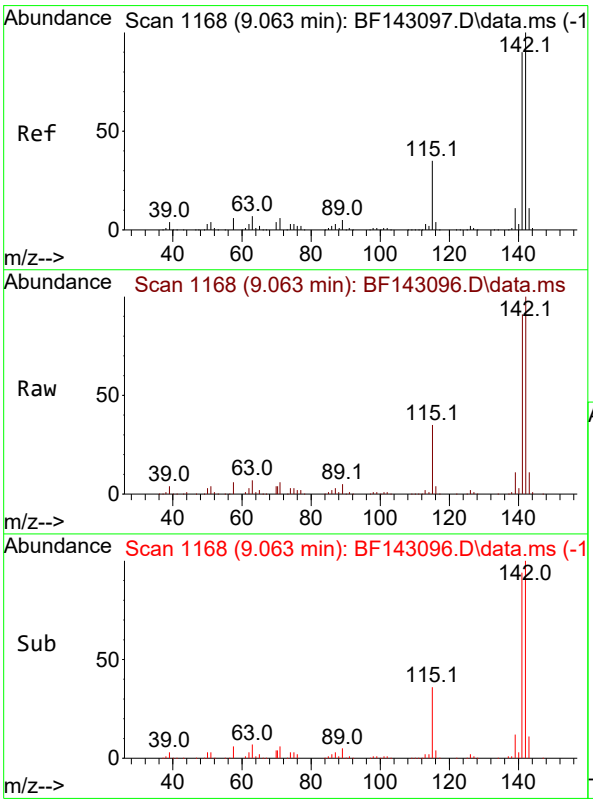
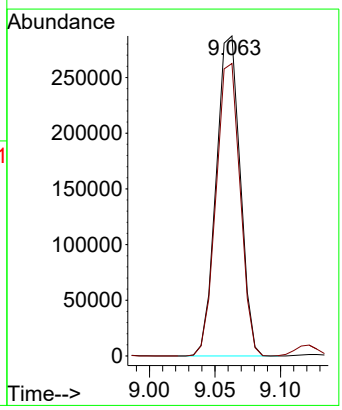


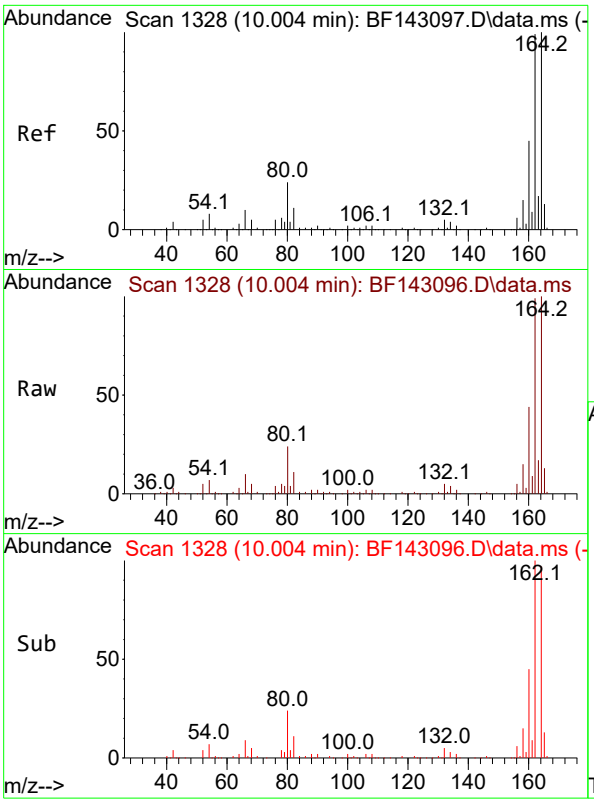




#38
1-Methylnaphthalene
Concen: 20.524 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:142 Resp: 365700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.4 | 72.2 | 108.4 |

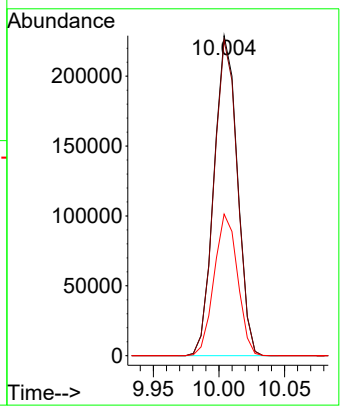





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:164 Resp: 28330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.6 | 79.0 | 118.6 |
| 160 | 44.2 | 35.8 | 53.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
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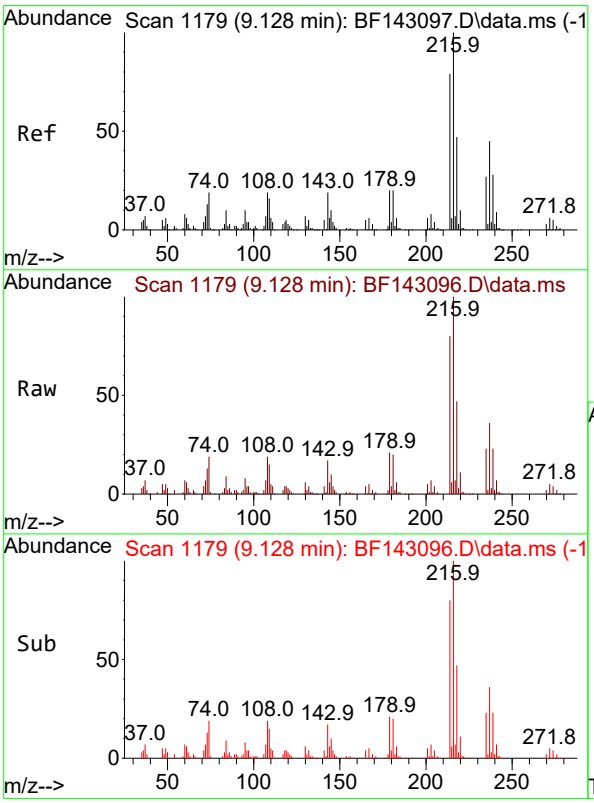
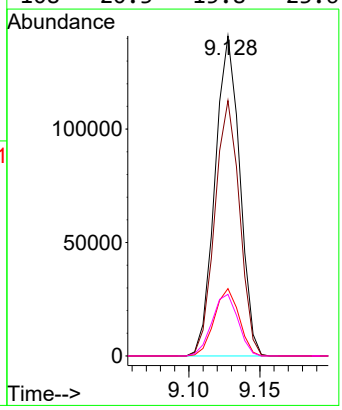
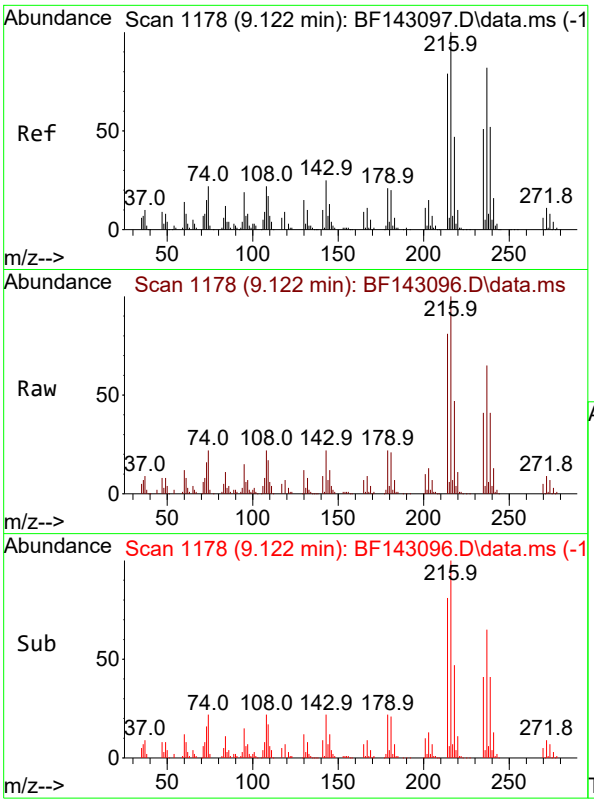



#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.673 ng
RT: 9.128 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:216 Resp: 170678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.7 | 62.6 | 94.0 |
| 179 | 21.1 | 16.2 | 24.2 |
| 108 | 20.3 | 15.8 | 23.6 |






#41
Hexachlorocyclopentadiene
Concen: 18.918 ng
RT: 9.122 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:237 Resp: 8659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.3 | 41.6 | 81.6 |
| 272 | 13.4 | 0.0 | 32.9 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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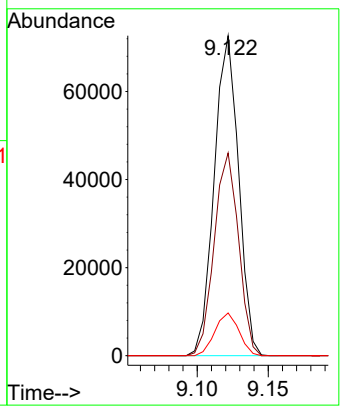
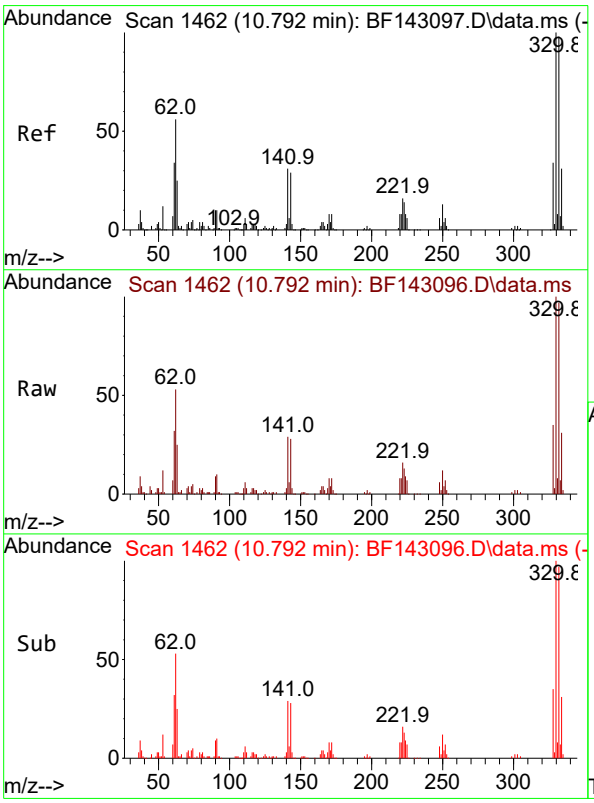
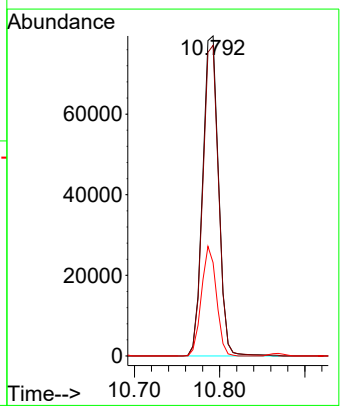


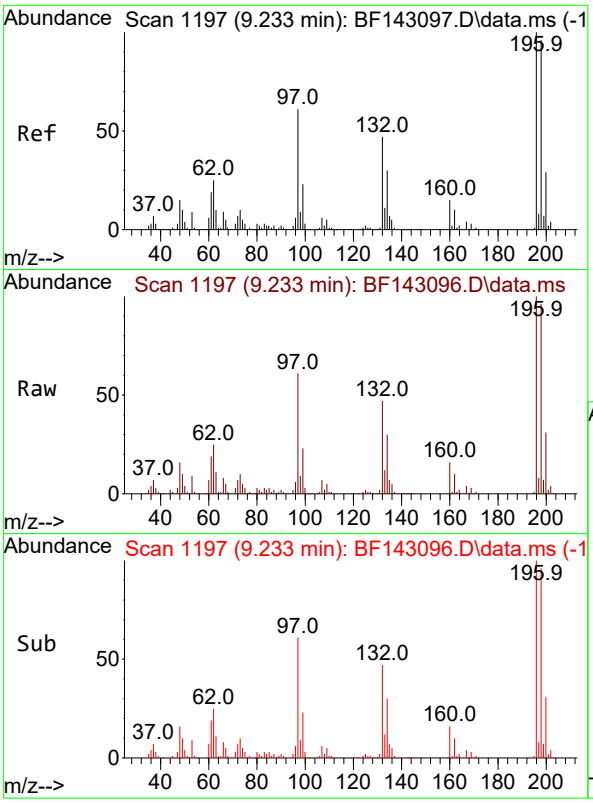




#42
2,4,6-Tribromophenol
Concen: 40.489 ng
RT: 10.792 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:330 Resp: 102277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.8 | 77.9 | 116.9 |
| 141 | 32.4 | 25.9 | 38.9 |

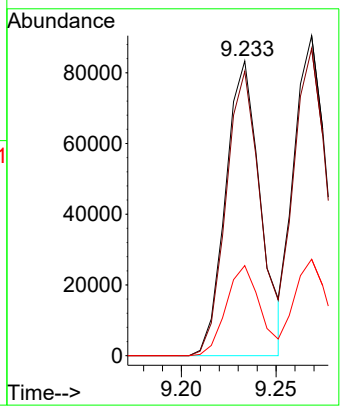





#43
2,4,6-Trichlorophenol
Concen: 20.815 ng
RT: 9.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:196 Resp: 10678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.5 | 76.9 | 115.3 |
| 200 | 30.6 | 23.5 | 35.3 |




**Instrument :**
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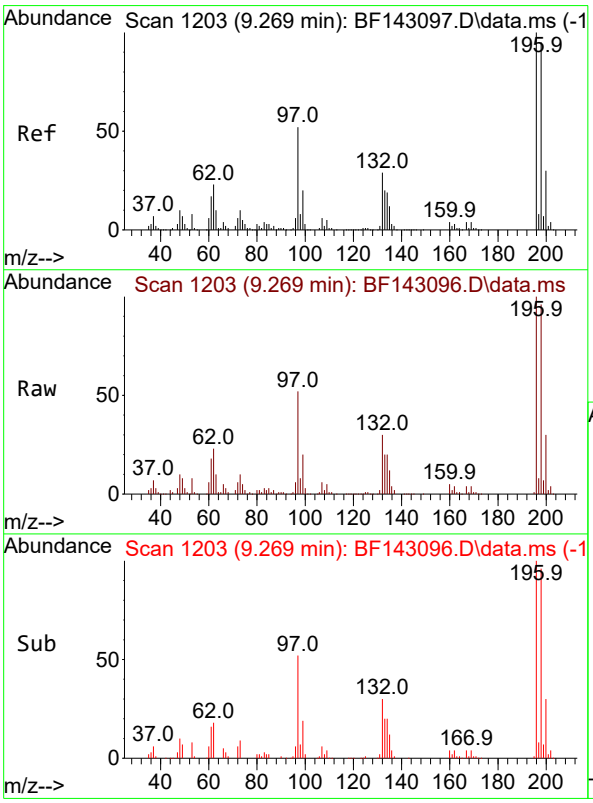
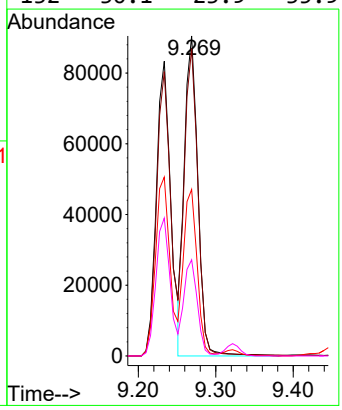
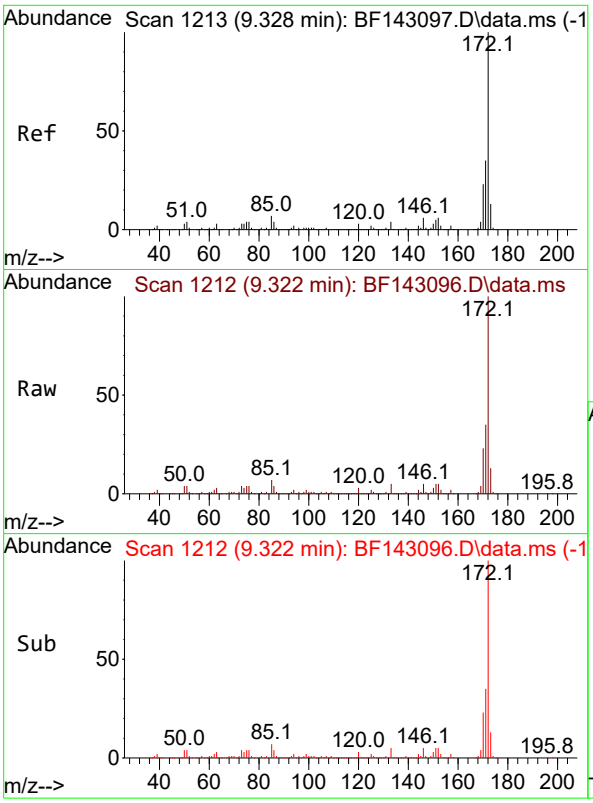



#44
2,4,5-Trichlorophenol
Concen: 20.537 ng
RT: 9.269 min Scan# 1203
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:196 Resp: 110466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.0 | 76.4 | 114.6 |
| 97 | 52.0 | 42.4 | 63.6 |
| 132 | 30.1 | 23.9 | 35.9 |

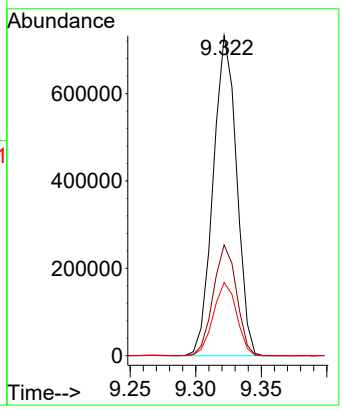





#45
2-Fluorobiphenyl
Concen: 42.581 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:172 Resp: 90749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.6 | 28.2 | 42.4 |
| 170 | 22.9 | 18.6 | 28.0 |




**Instrument :**
BNA_F
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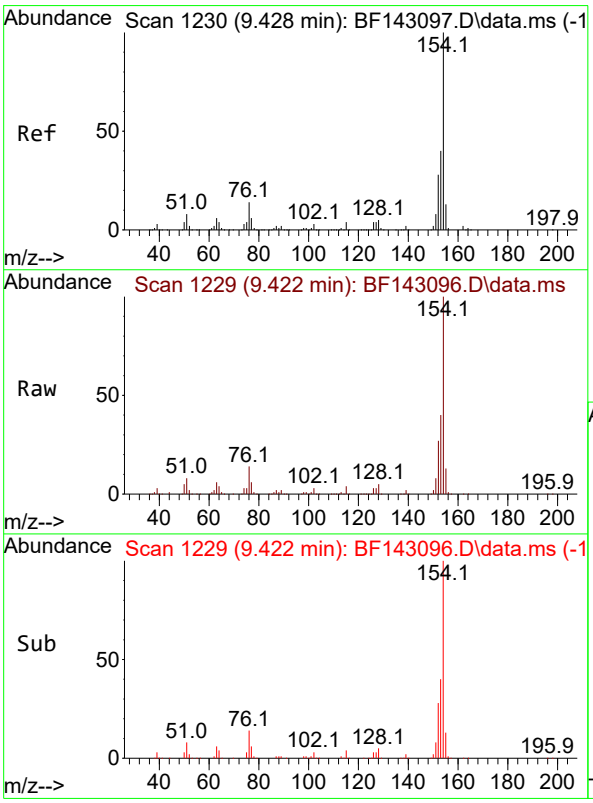
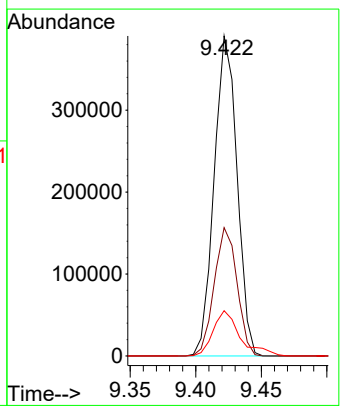
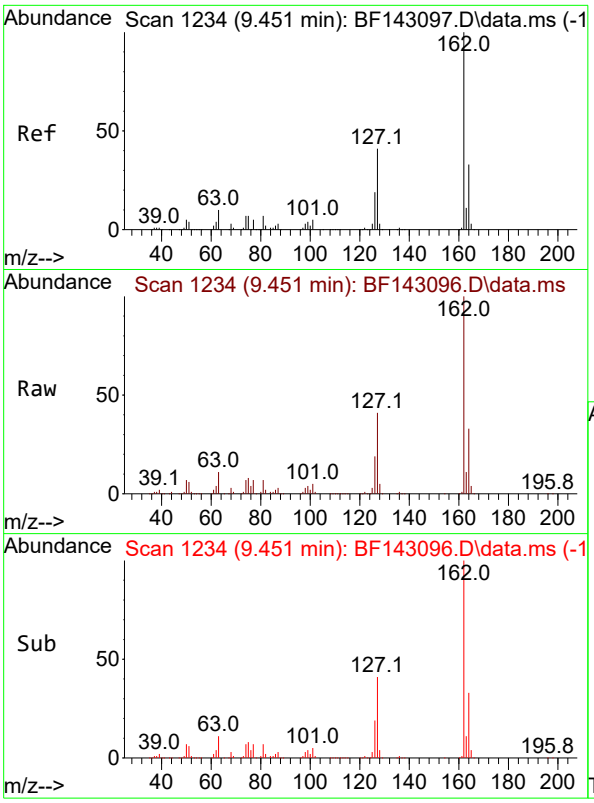



#46
1,1'-Biphenyl
Concen: 20.955 ng
RT: 9.422 min Scan# 1229
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:154 Resp: 473419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.1 | 20.1 | 60.1 |
| 76 | 14.2 | 0.0 | 33.7 |

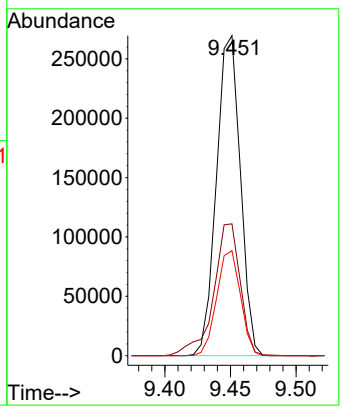





#47
2-Chloronaphthalene
Concen: 20.584 ng
RT: 9.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:162 Resp: 34163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.2 | 33.0 | 49.6 |
| 164 | 32.8 | 26.1 | 39.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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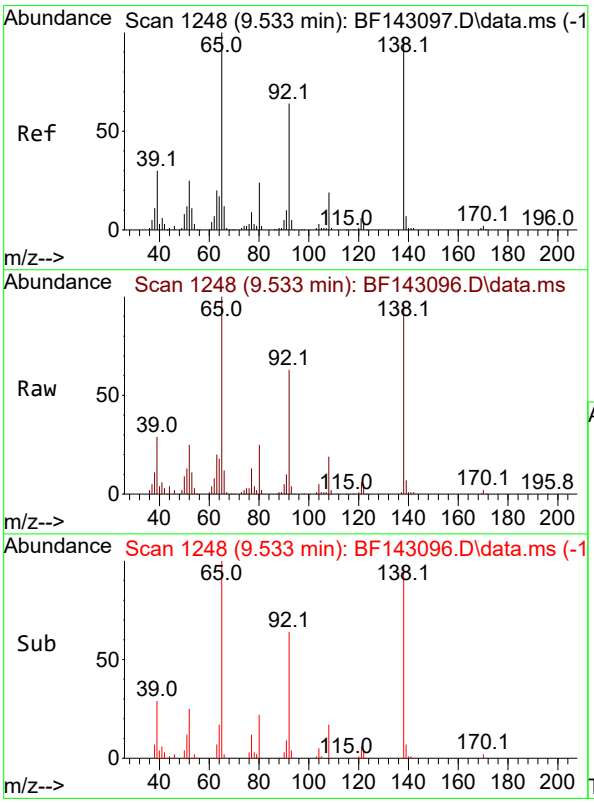
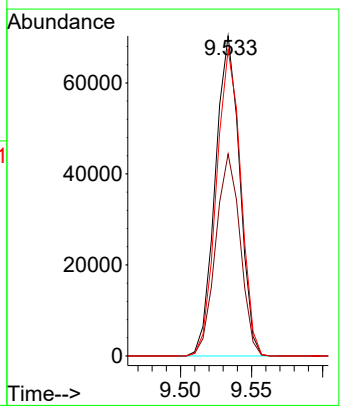
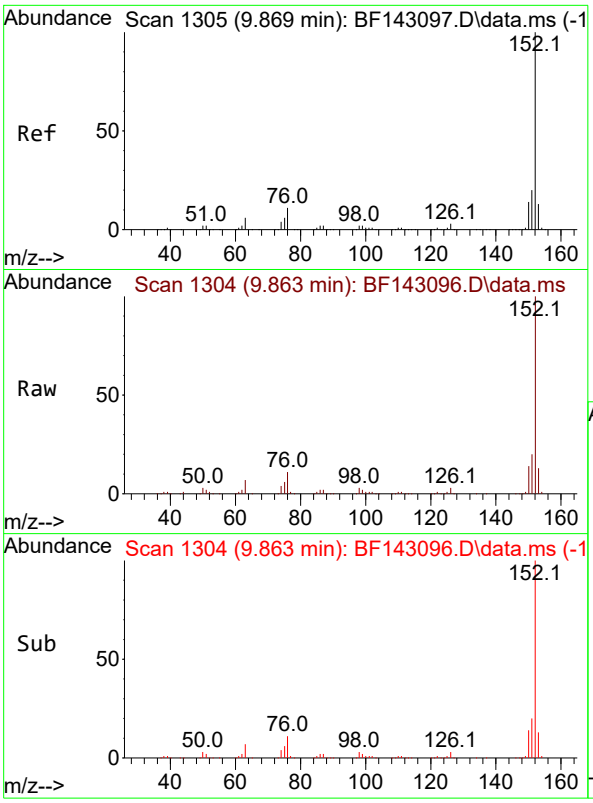



#48
2-Nitroaniline
Concen: 18.969 ng
RT: 9.533 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 65 Resp: 83805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 63.1 | 51.3 | 76.9 |
| 138 | 95.8 | 77.8 | 116.6 |

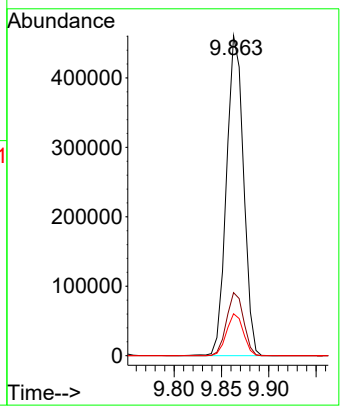





#49
Acenaphthylene
Concen: 20.837 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:152 Resp: 57626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.7 | 15.8 | 23.8 |
| 153 | 13.1 | 10.4 | 15.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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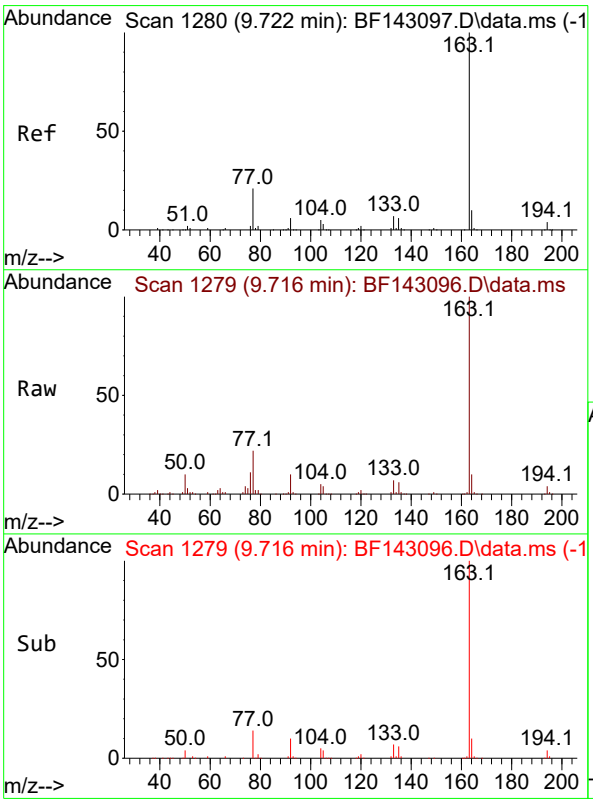
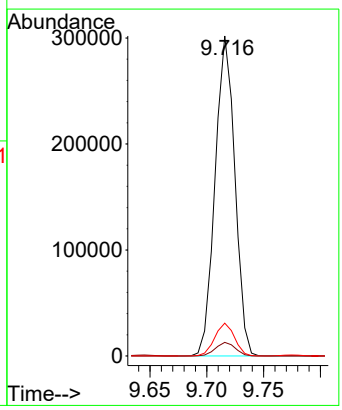
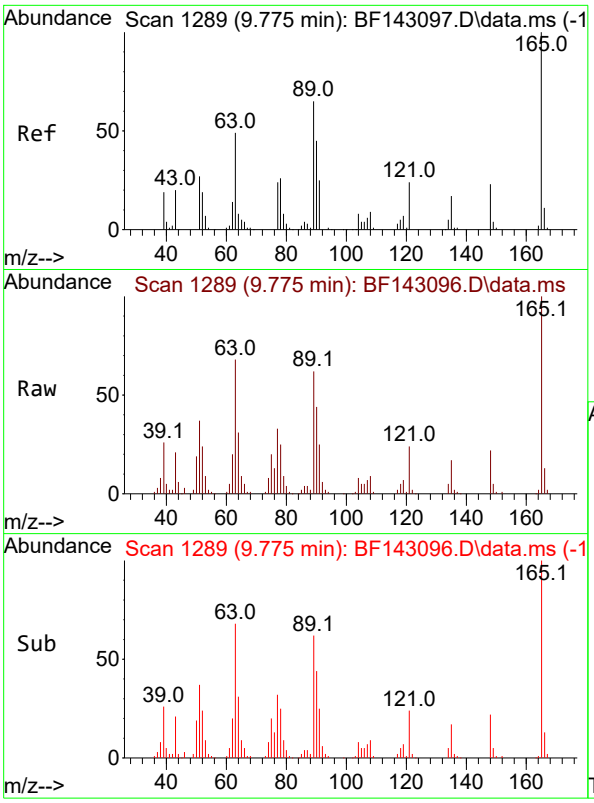



#50
Dimethylphthalate
Concen: 20.536 ng
RT: 9.716 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:163 Resp: 366019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.4 | 5.2 |
| 164 | 10.2 | 8.2 | 12.2 |

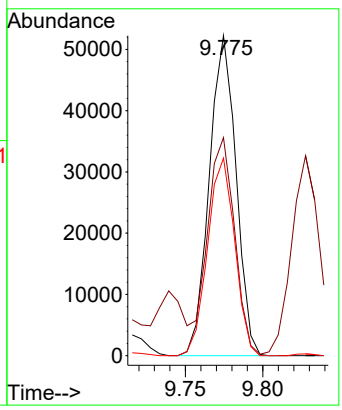





#51
2,6-Dinitrotoluene
Concen: 19.583 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:165 Resp: 6277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 68.1 | 57.4 | 86.0 |
| 89 | 61.7 | 51.8 | 77.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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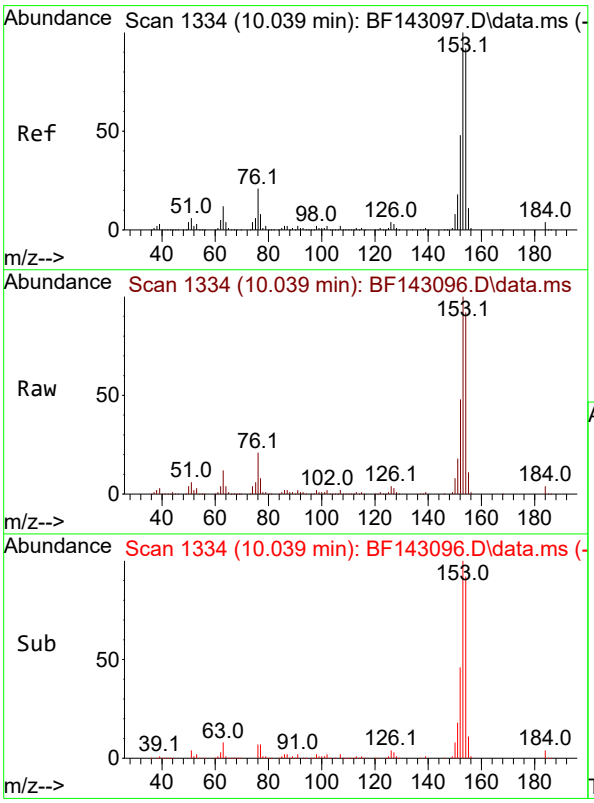
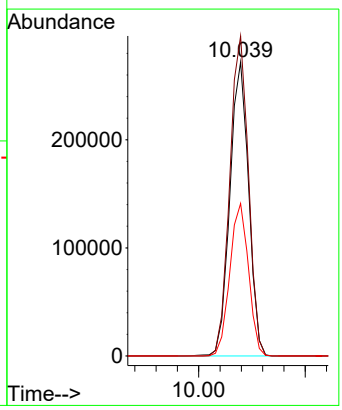
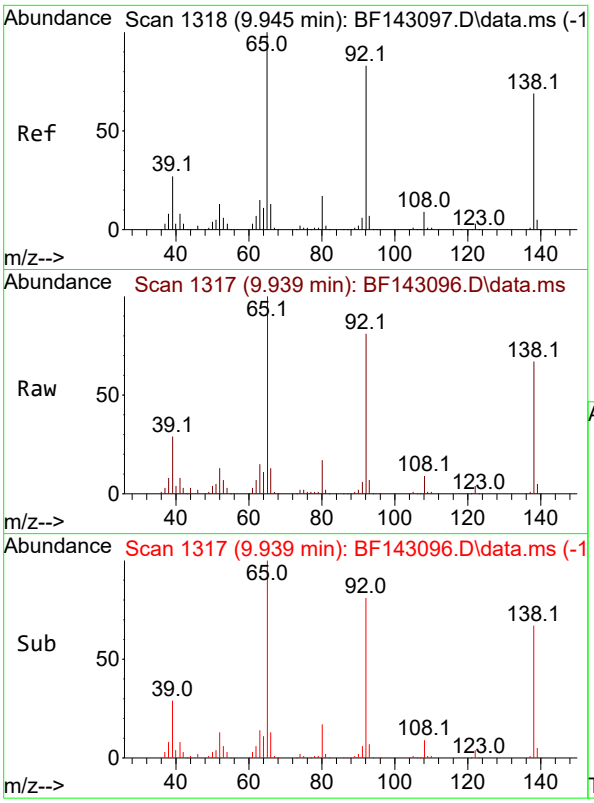



#52
Acenaphthene
Concen: 20.369 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:154 Resp: 332427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 108.9 | 86.7 | 130.1 |
| 152 | 51.9 | 41.4 | 62.2 |






#53
3-Nitroaniline
Concen: 20.797 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:138 Resp: 8009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 13.1 | 10.1 | 15.1 |
| 92 | 120.9 | 96.4 | 144.6 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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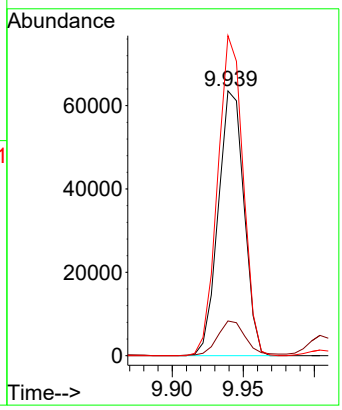
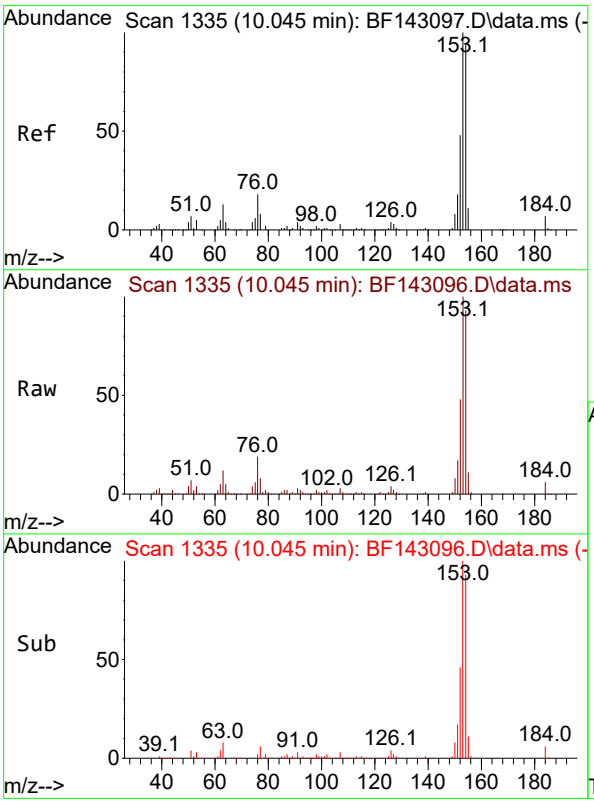
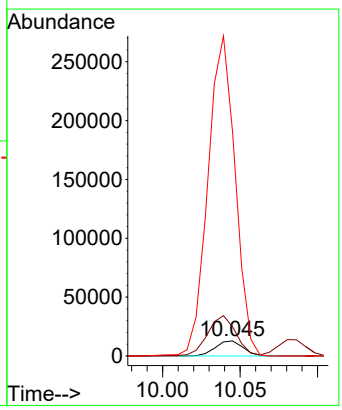


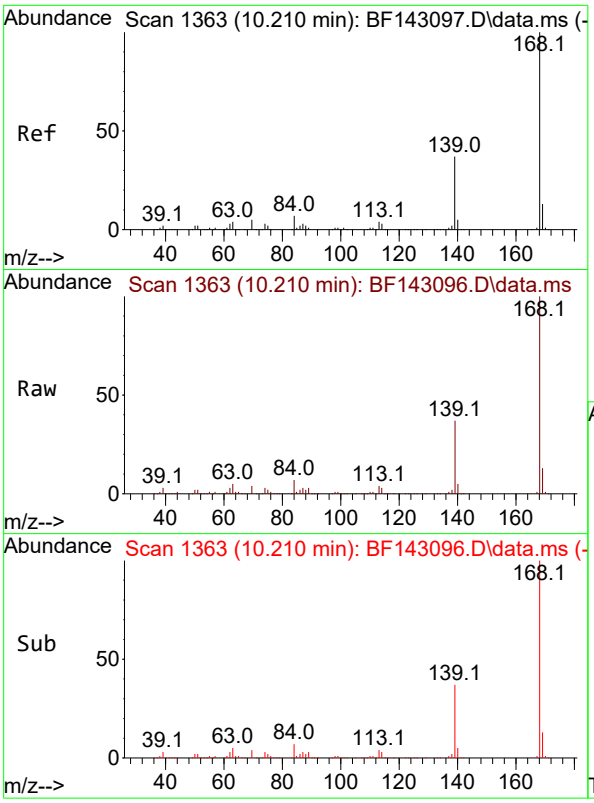




#54
2,4-Dinitrophenol
Concen: 19.749 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:184 Resp: 15826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 193.5 | 149.3 | 223.9 |
| 154 | 1488.1 | 1048.0 | 1572.0 |

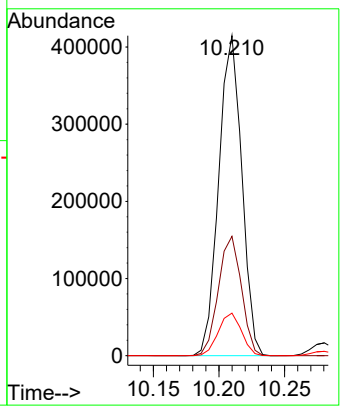





#55
Dibenzofuran
Concen: 20.792 ng
RT: 10.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:168 Resp: 50578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.3 | 29.8 | 44.6 |
| 169 | 13.3 | 10.8 | 16.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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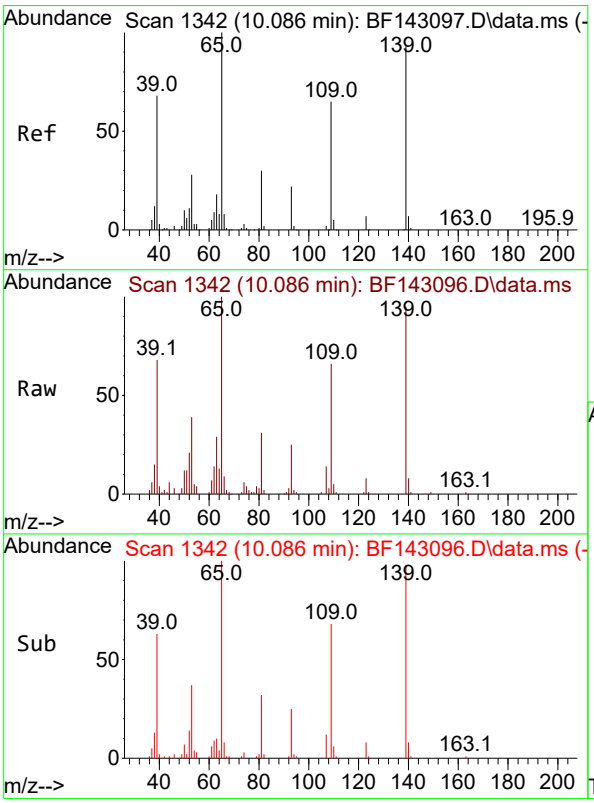
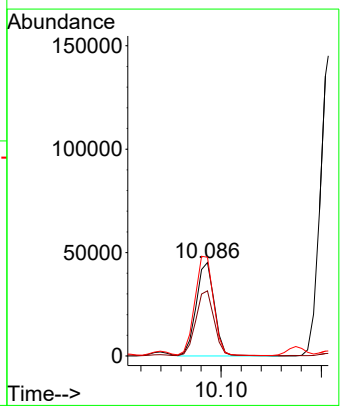
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

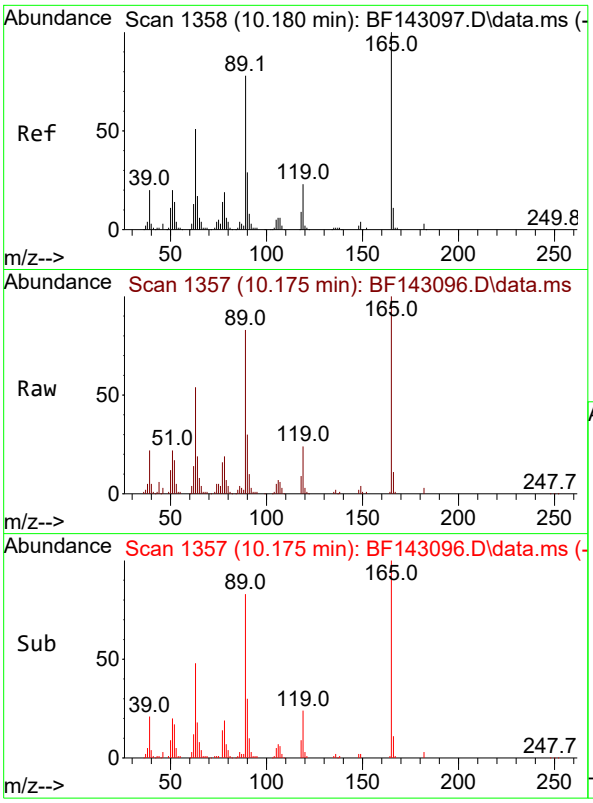



#56
4-Nitrophenol
Concen: 18.647 ng
RT: 10.086 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:139 Resp: 57072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 69.7 | 49.4 | 89.4 |
| 65 | 105.6 | 88.2 | 128.2 |

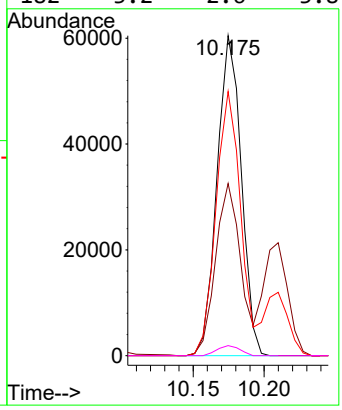





#57
2,4-Dinitrotoluene
Concen: 18.561 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:165 Resp: 7176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 53.8 | 40.6 | 61.0 |
| 89 | 82.6 | 62.3 | 93.5 |
| 182 | 3.2 | 2.6 | 3.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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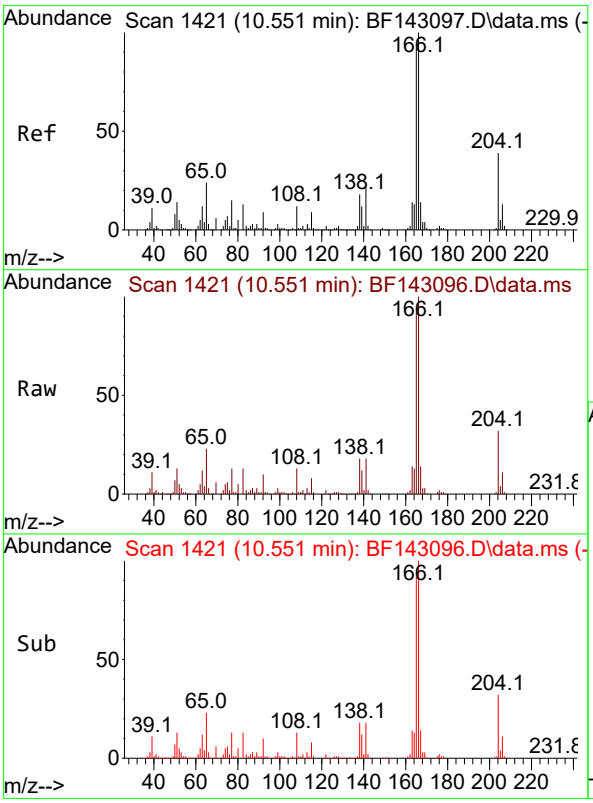
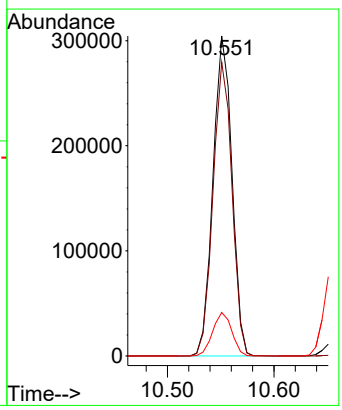
Supervised By :Jagrut Upadhyay 07/16/2025

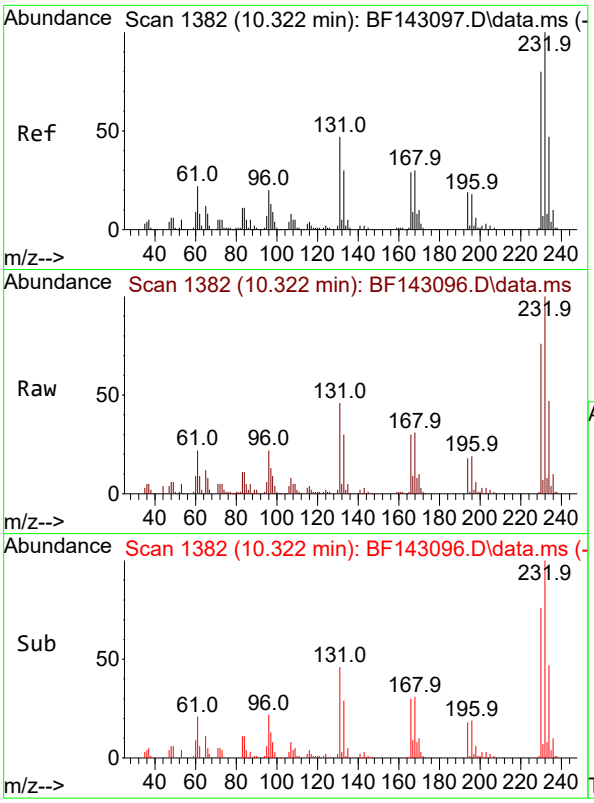



#58
Fluorene
Concen: 20.626 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:166 Resp: 376169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 91.8 | 73.7 | 110.5 |
| 167 | 13.6 | 10.9 | 16.3 |

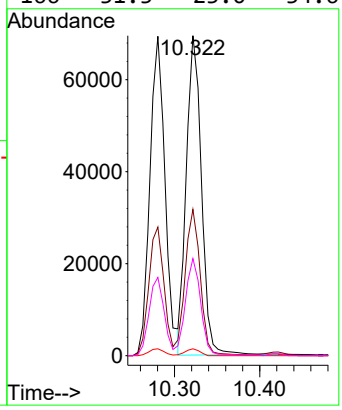





#59
2,3,4,6-Tetrachlorophenol
Concen: 20.030 ng
RT: 10.322 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:232 Resp: 8562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.3 | 36.9 | 55.3 |
| 130 | 2.1 | 1.8 | 2.8 |
| 166 | 31.3 | 23.0 | 34.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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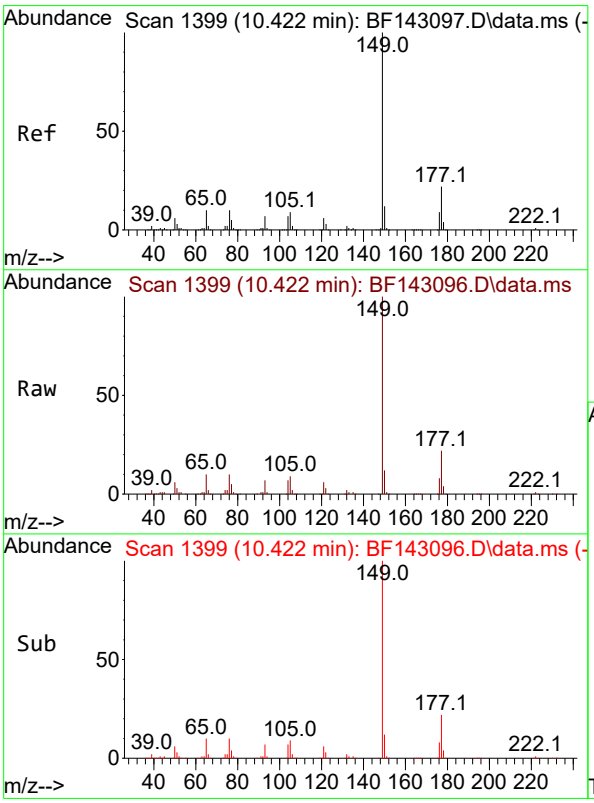
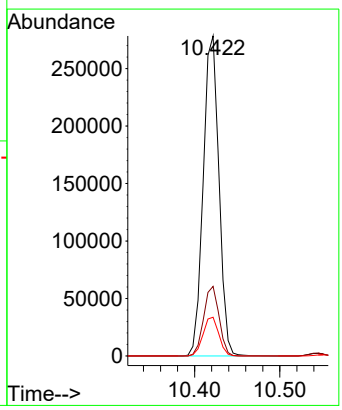
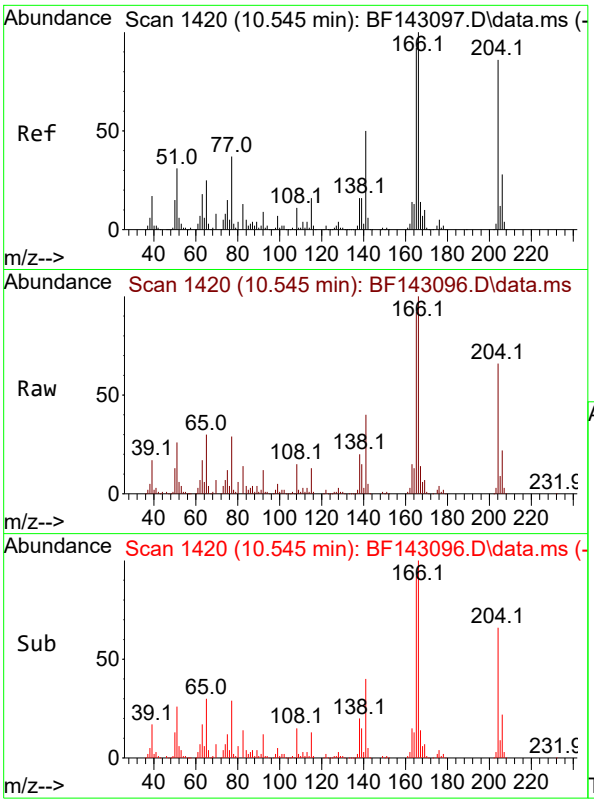



#60
Diethylphthalate
Concen: 20.710 ng
RT: 10.422 min Scan# 1399
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:149 Resp: 356111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.7 | 17.3 | 25.9 |
| 150 | 12.1 | 9.9 | 14.9 |

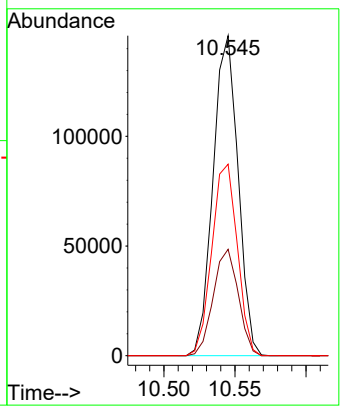





#61
4-Chlorophenyl-phenylether
Concen: 20.436 ng
RT: 10.545 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:204 Resp: 17864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.3 | 25.8 | 38.6 |
| 141 | 59.8 | 46.8 | 70.2 |




**Instrument :**
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**ClientSampleId :**
SSTDICC020

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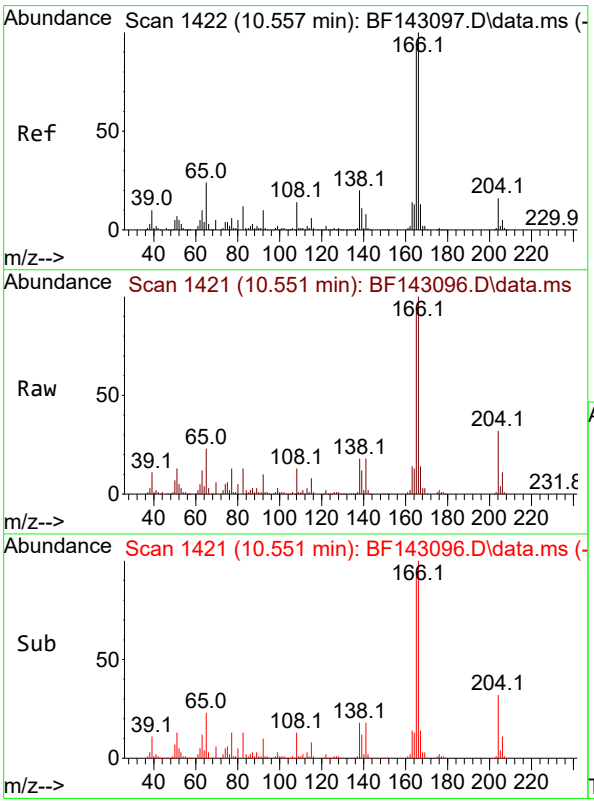
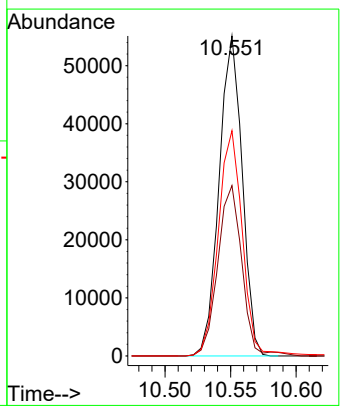
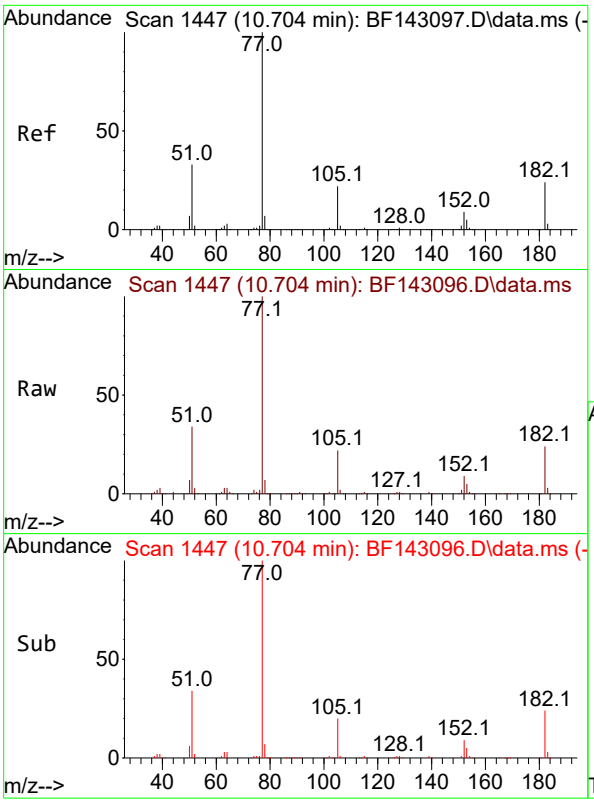



#62
4-Nitroaniline
Concen: 20.084 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:138 Resp: 67264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 53.2 | 30.4 | 70.4 |
| 108 | 70.4 | 49.5 | 89.5 |

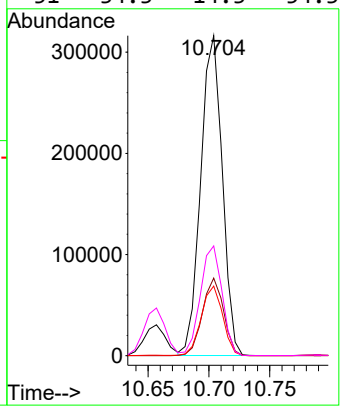





#63
Azobenzene
Concen: 20.478 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 77 Resp: 38941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 24.3 | 4.0 | 44.0 |
| 105 | 21.8 | 1.4 | 41.4 |
| 51 | 34.3 | 14.3 | 54.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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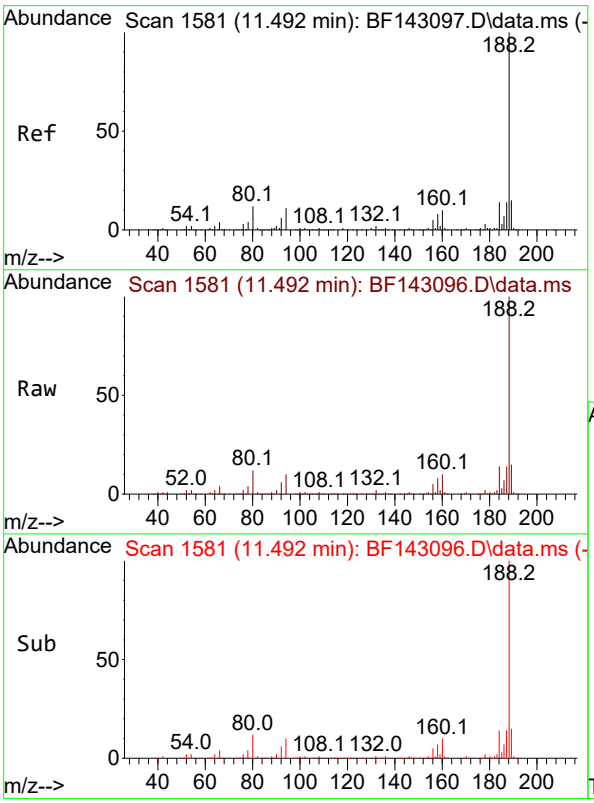
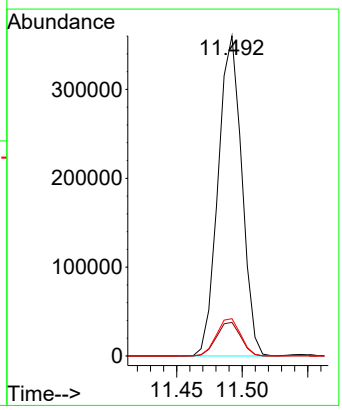
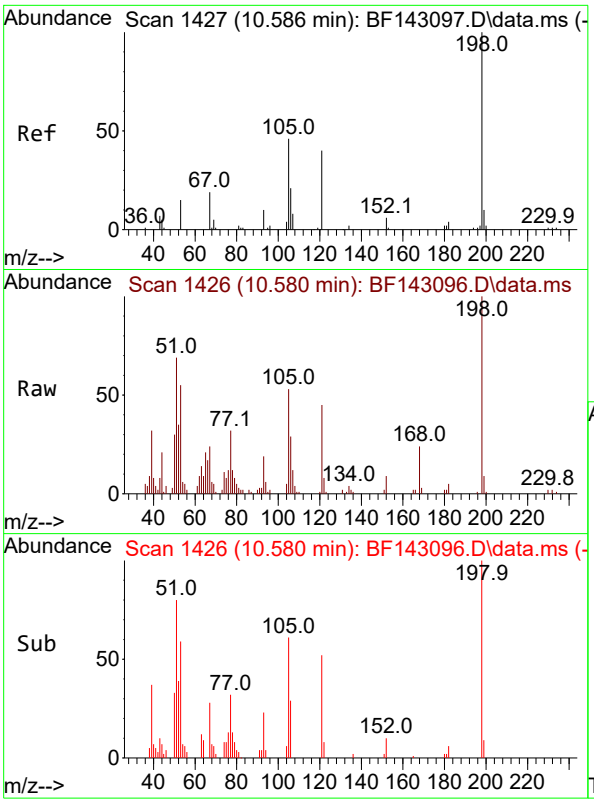



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:188 Resp: 451524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.5 | 8.6 | 13.0 |
| 80 | 11.6 | 9.3 | 13.9 |






#65
4,6-Dinitro-2-methylphenol
Concen: 19.643 ng
RT: 10.580 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:198 Resp: 2397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 69.3 | 44.6 | 84.6 |
| 105 | 52.7 | 29.3 | 69.3 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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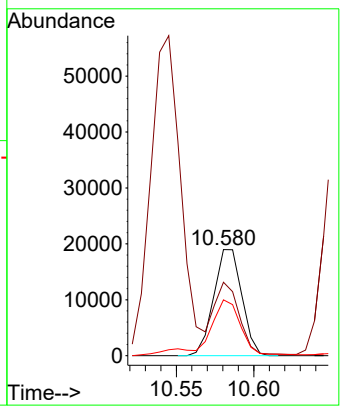
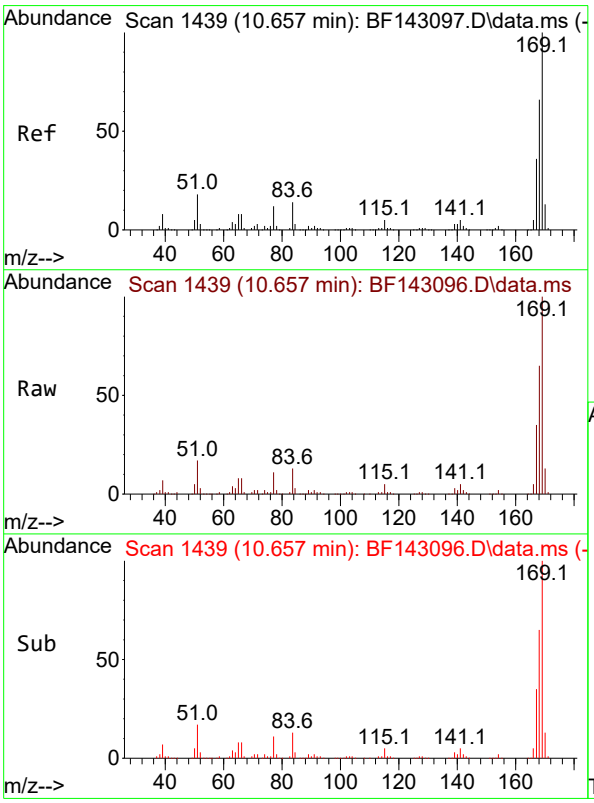
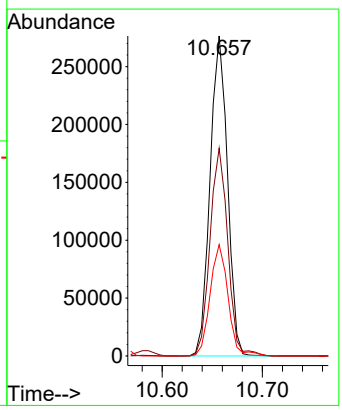


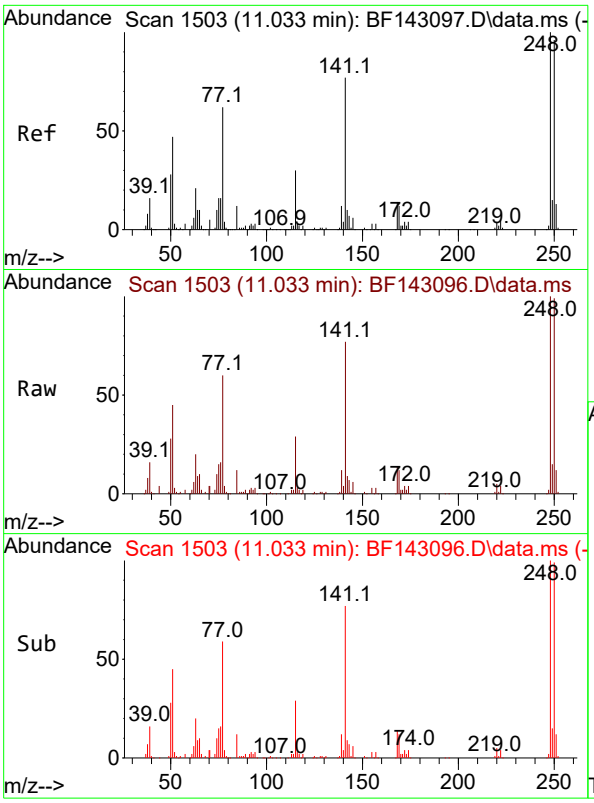




#66
n-Nitrosodiphenylamine
Concen: 20.948 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:169 Resp: 332248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 64.9 | 53.0 | 79.6 |
| 167 | 34.8 | 28.4 | 42.6 |

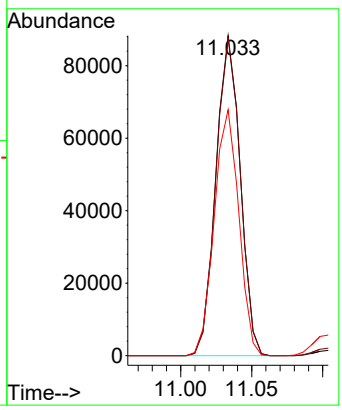





#67
4-Bromophenyl-phenylether
Concen: 20.535 ng
RT: 11.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:248 Resp: 10544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 99.2 | 76.7 | 115.1 |
| 141 | 76.9 | 61.7 | 92.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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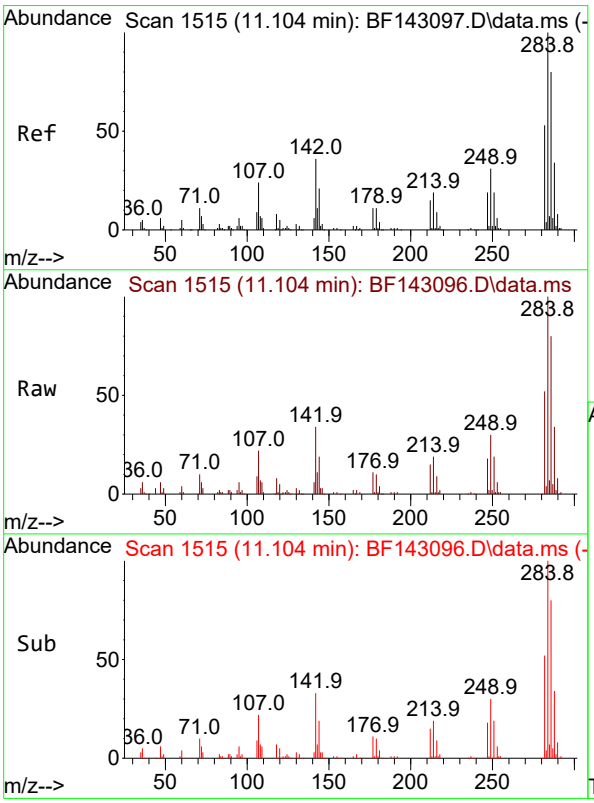
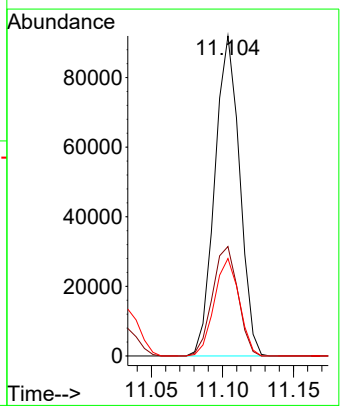
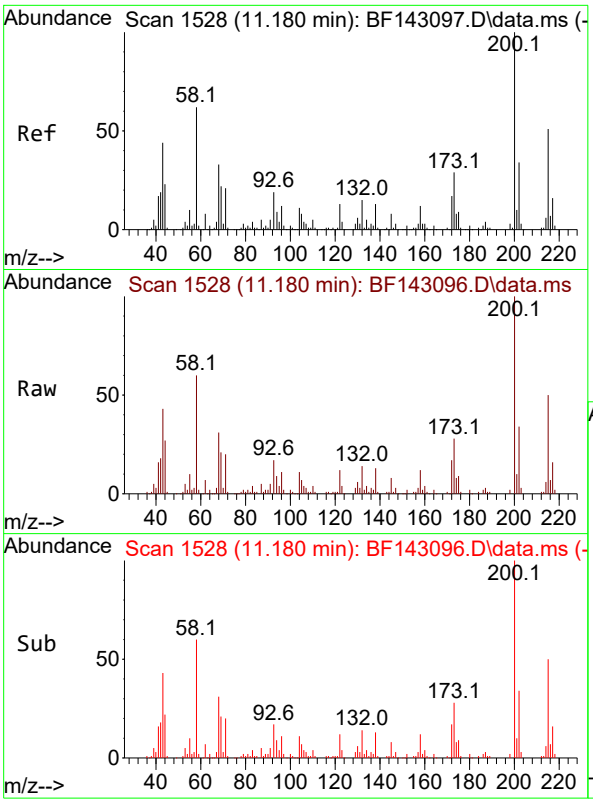



#68
Hexachlorobenzene
Concen: 20.507 ng
RT: 11.104 min Scan# 1515
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:284 Resp: 111727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.2 | 28.9 | 43.3 |
| 249 | 30.4 | 24.6 | 37.0 |

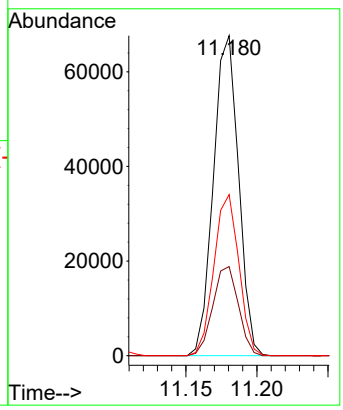





#69
Atrazine
Concen: 20.499 ng
RT: 11.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:200 Resp: 8318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.8 | 9.1 | 49.1 |
| 215 | 50.3 | 31.0 | 71.0 |




**Instrument :**
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SSTDICC020

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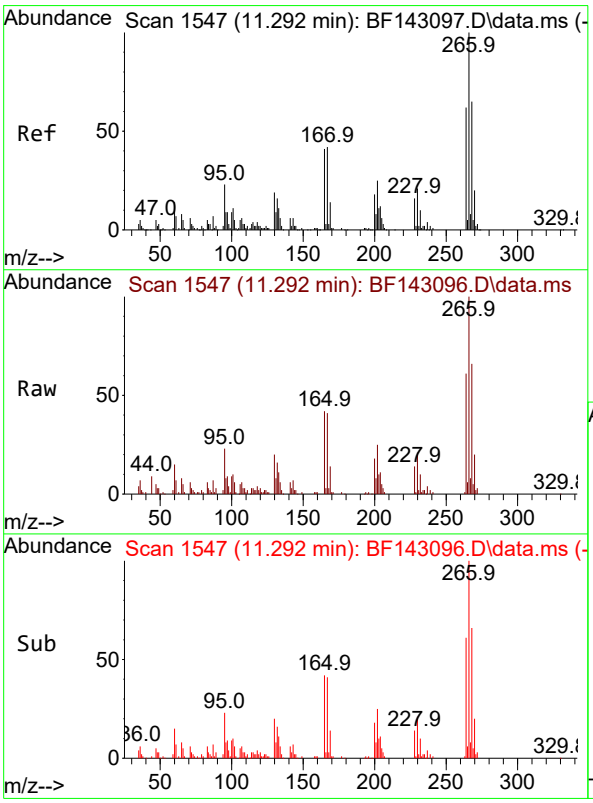
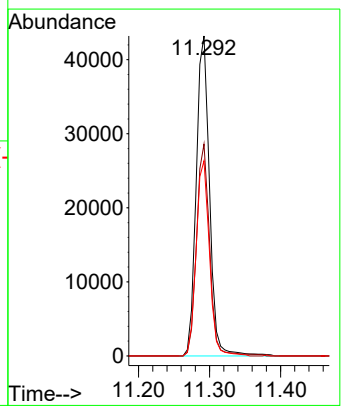
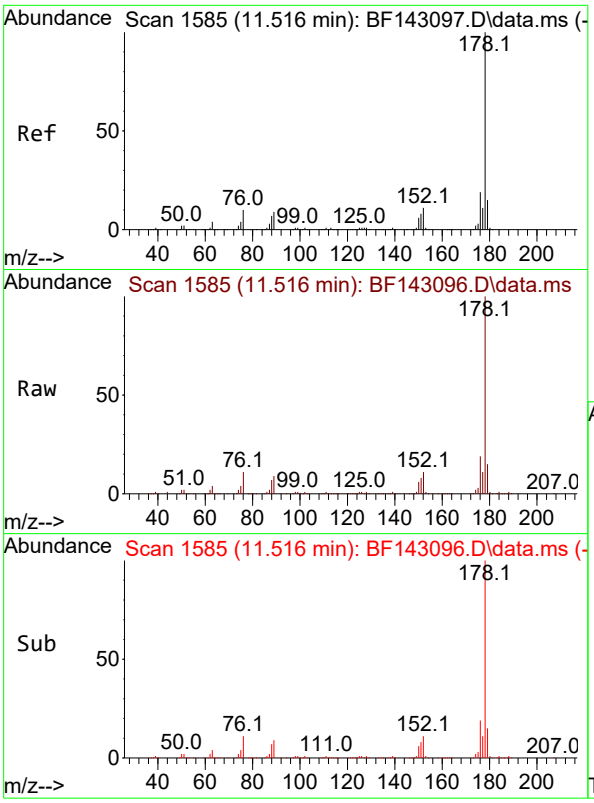



#70
Pentachlorophenol
Concen: 18.862 ng
RT: 11.292 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:266 Resp: 56380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 66.2 | 51.8 | 77.6 |
| 264 | 61.0 | 49.7 | 74.5 |

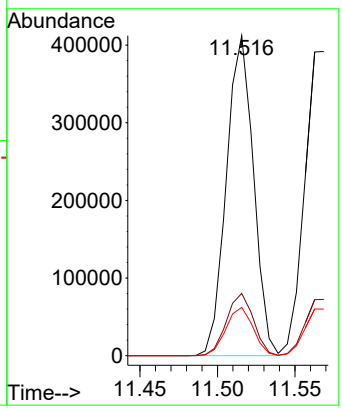





#71
Phenanthrene
Concen: 20.581 ng
RT: 11.516 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:178 Resp: 50152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 15.1 | 22.7 |
| 179 | 15.1 | 12.2 | 18.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**

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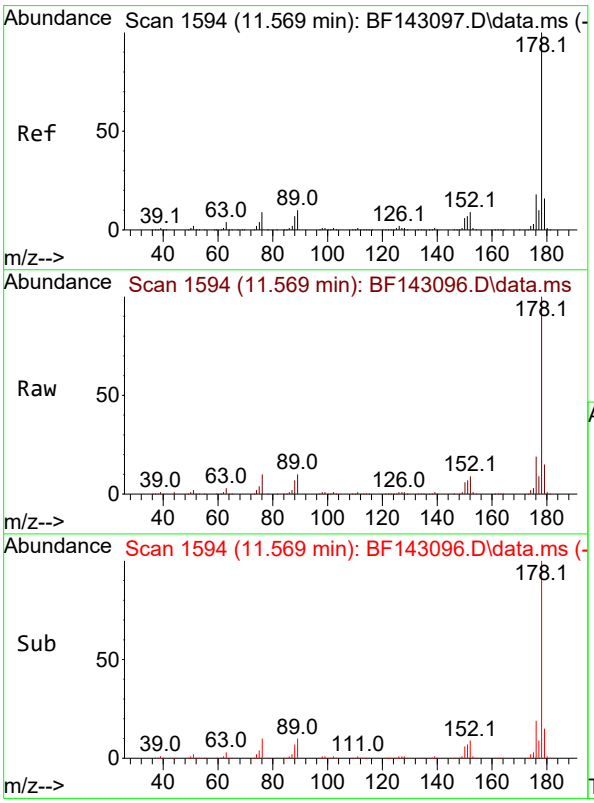
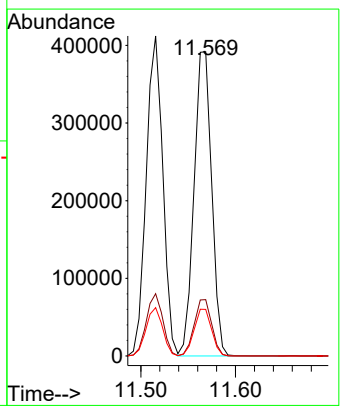
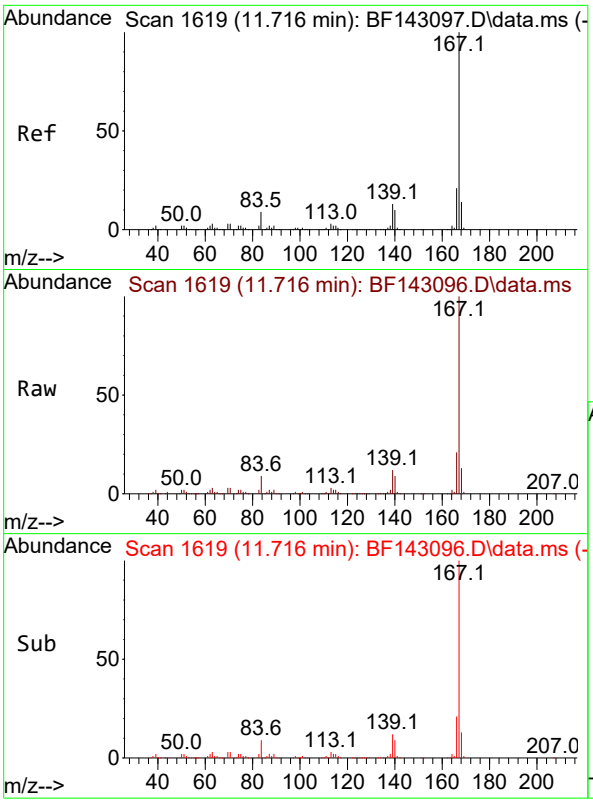



#72
Anthracene
Concen: 20.752 ng
RT: 11.569 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:178 Resp: 508525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 14.7 | 22.1 |
| 179 | 15.3 | 12.4 | 18.6 |

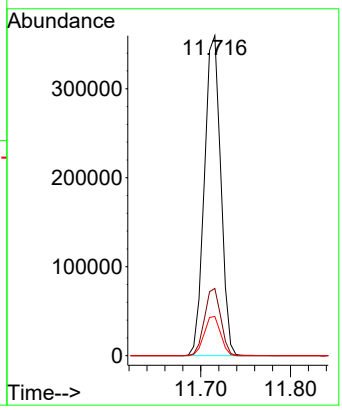





#73
Carbazole
Concen: 20.728 ng
RT: 11.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:167 Resp: 45504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.0 | 17.0 | 25.4 |
| 139 | 12.3 | 10.2 | 15.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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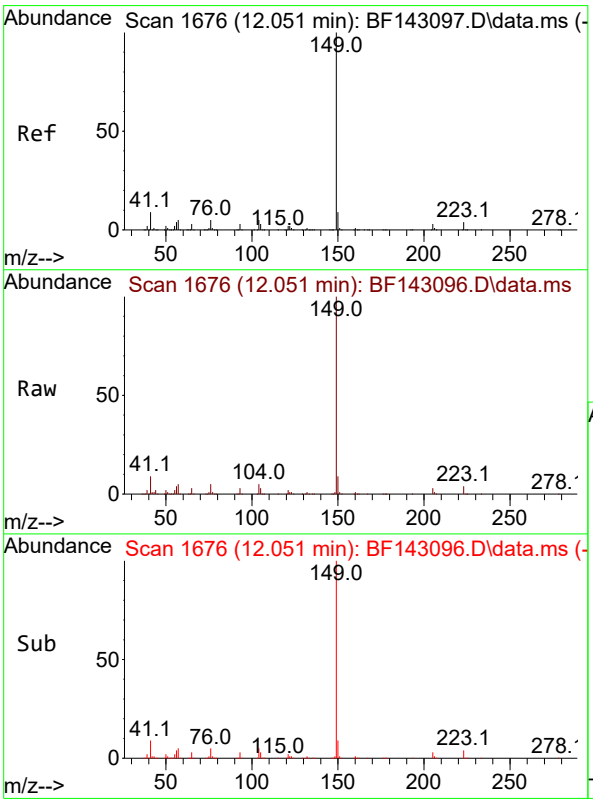
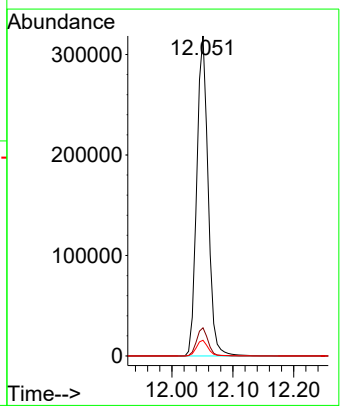
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

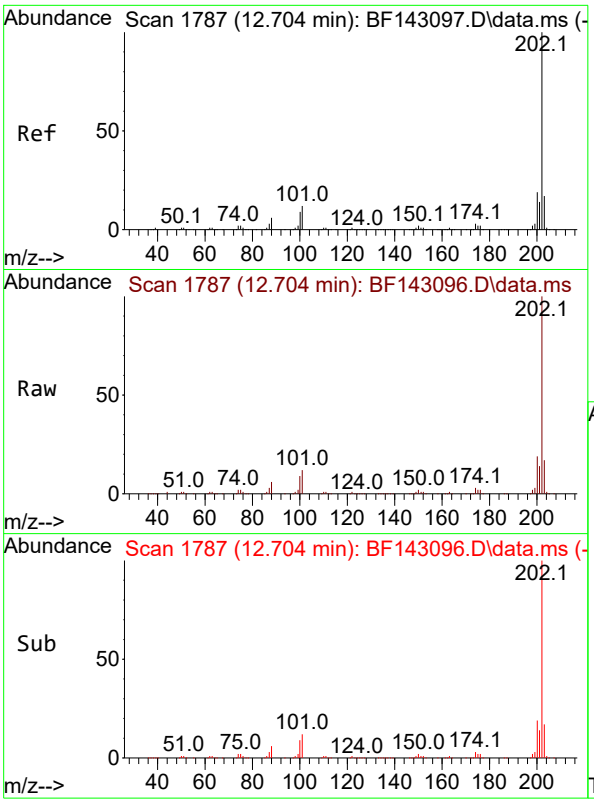



#74
Di-n-butylphthalate
Concen: 20.456 ng
RT: 12.051 min Scan# 1676
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:149 Resp: 412206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 8.8 | 7.3 | 10.9 |
| 104 | 4.9 | 3.8 | 5.8 |






#75
Fluoranthene
Concen: 20.556 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

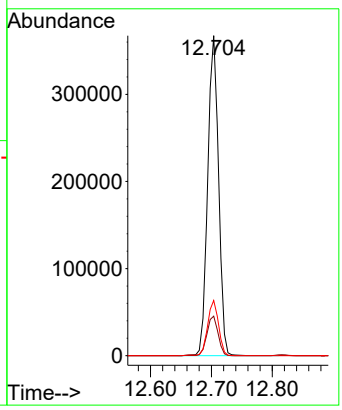
Tgt Ion:202 Resp: 45545

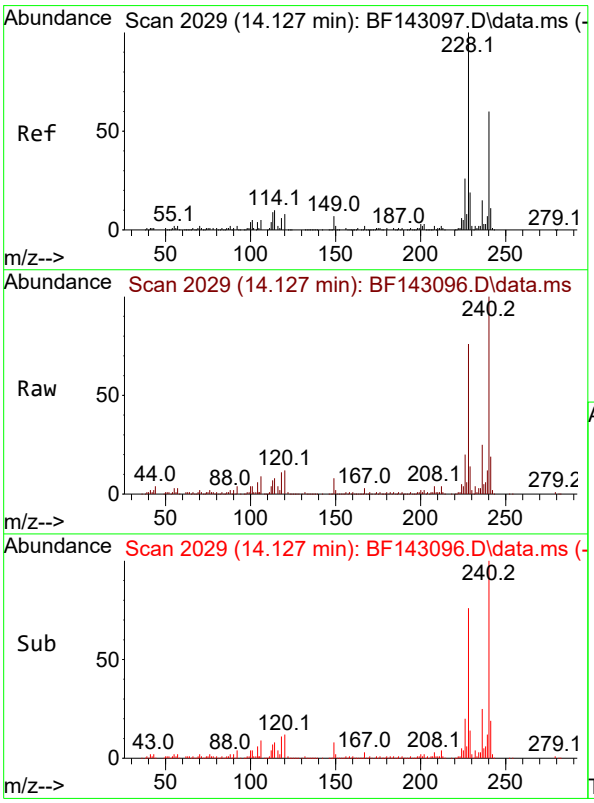
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.4 | 0.0 | 32.4 |
| 203 | 17.2 | 0.0 | 37.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

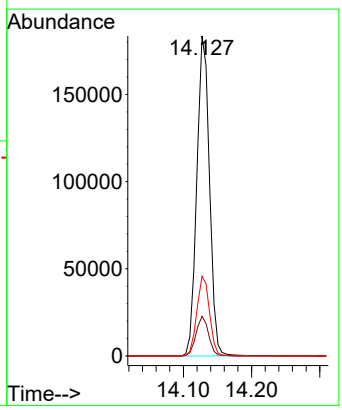


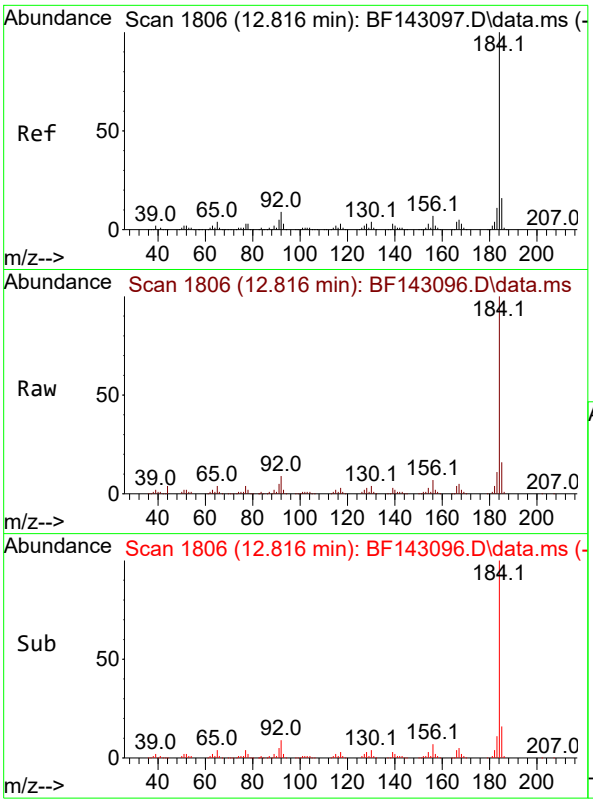




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:240 Resp: 236667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.4 | 10.0 | 15.0 |
| 236 | 24.9 | 20.0 | 30.0 |

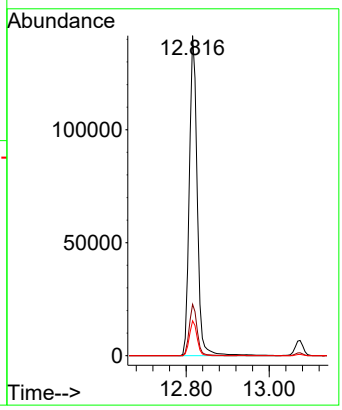





#77
Benzidine
Concen: 23.083 ng
RT: 12.816 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:184 Resp: 18611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 16.1 | 12.4 | 18.6 |
| 183 | 10.9 | 8.6 | 12.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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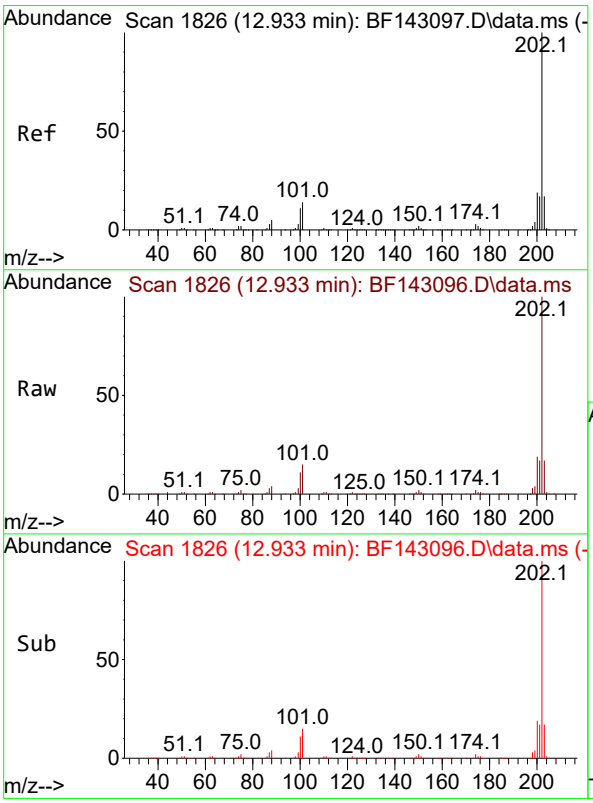
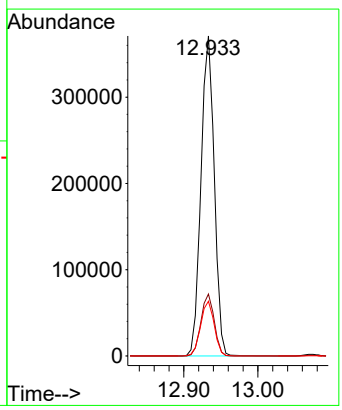
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

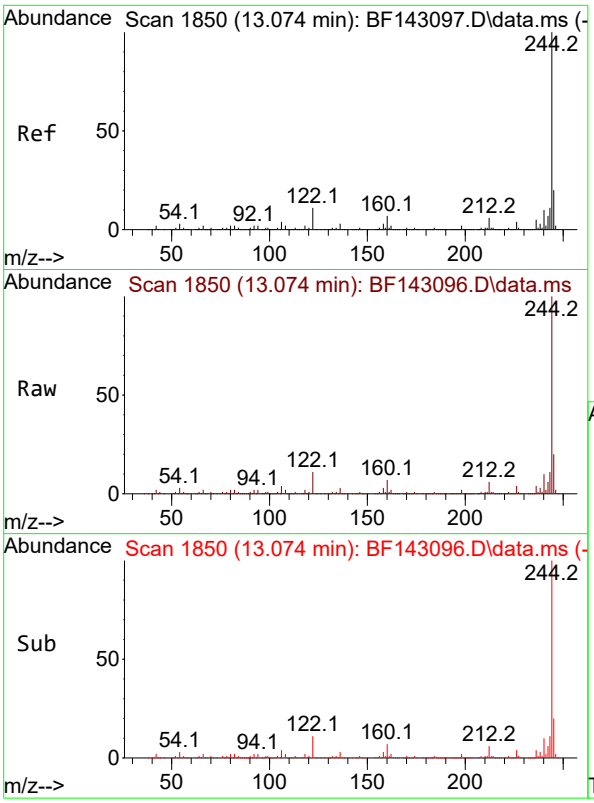



#78
Pyrene
Concen: 21.072 ng
RT: 12.933 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:202 Resp: 462715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.3 | 15.5 | 23.3 |
| 203 | 17.1 | 14.0 | 21.0 |

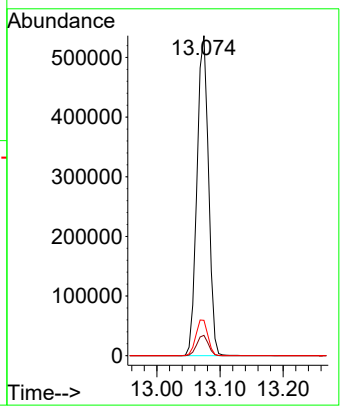





#79
Terphenyl-d14
Concen: 42.012 ng
RT: 13.074 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:244 Resp: 68017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.3 | 5.2 | 7.8 |
| 122 | 11.0 | 8.8 | 13.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
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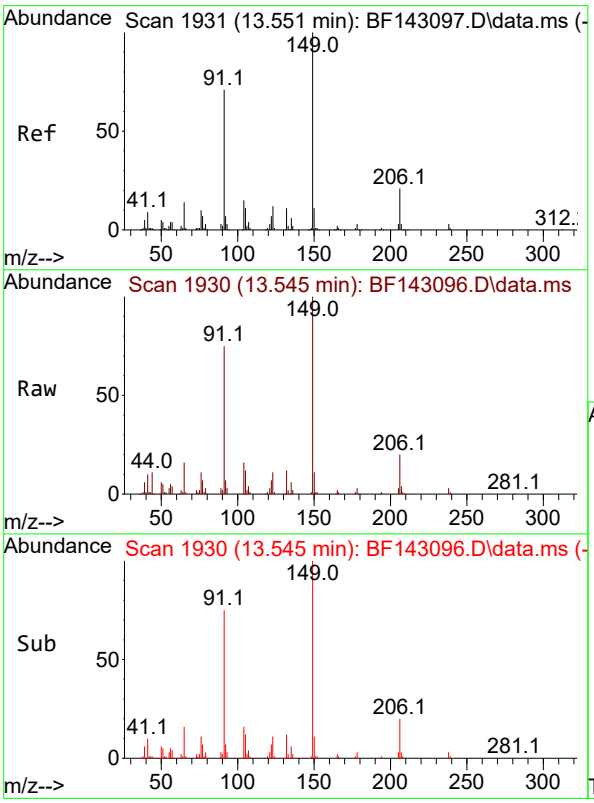
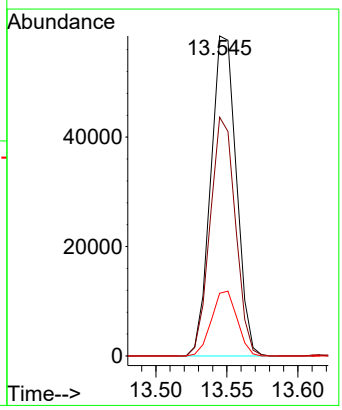
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

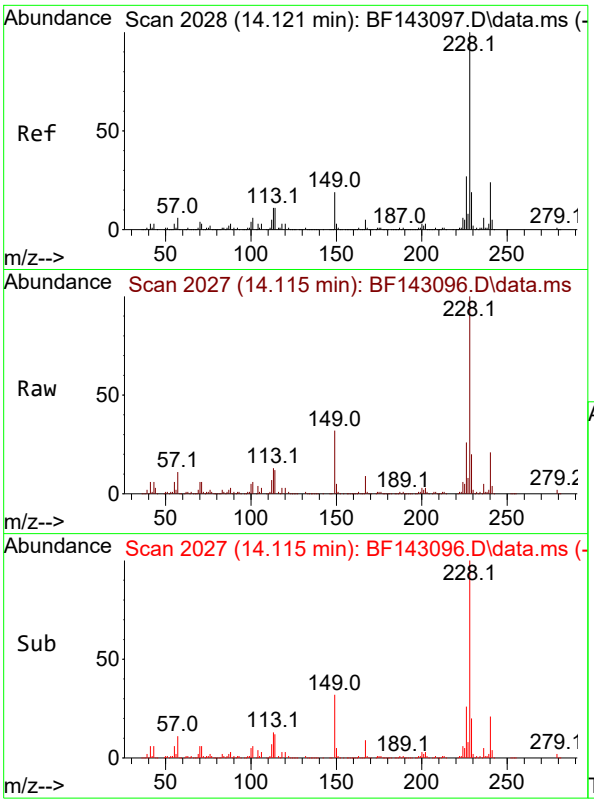



#80
Butylbenzylphthalate
Concen: 18.875 ng
RT: 13.545 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:149 Resp: 73439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 74.6 | 57.0 | 85.4 |
| 206 | 19.6 | 17.2 | 25.8 |

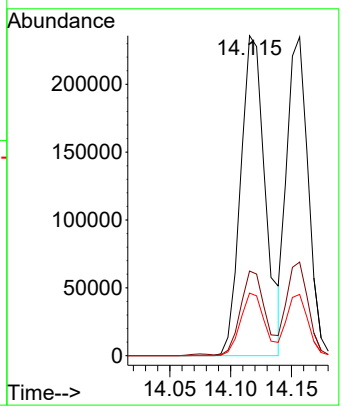





#81
Benzo(a)anthracene
Concen: 21.102 ng
RT: 14.115 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:228 Resp: 33279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.4 | 21.3 | 31.9 |
| 229 | 19.6 | 15.5 | 23.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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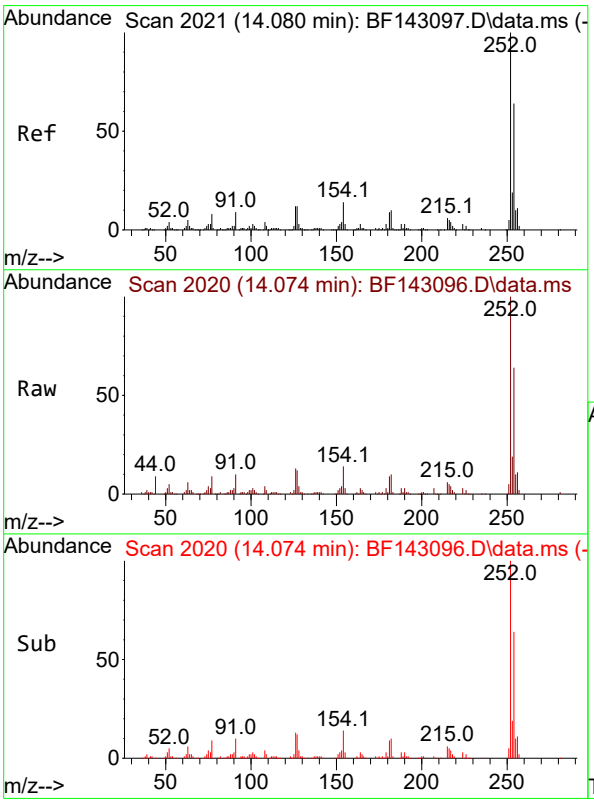
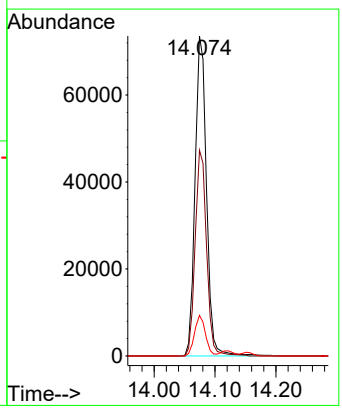
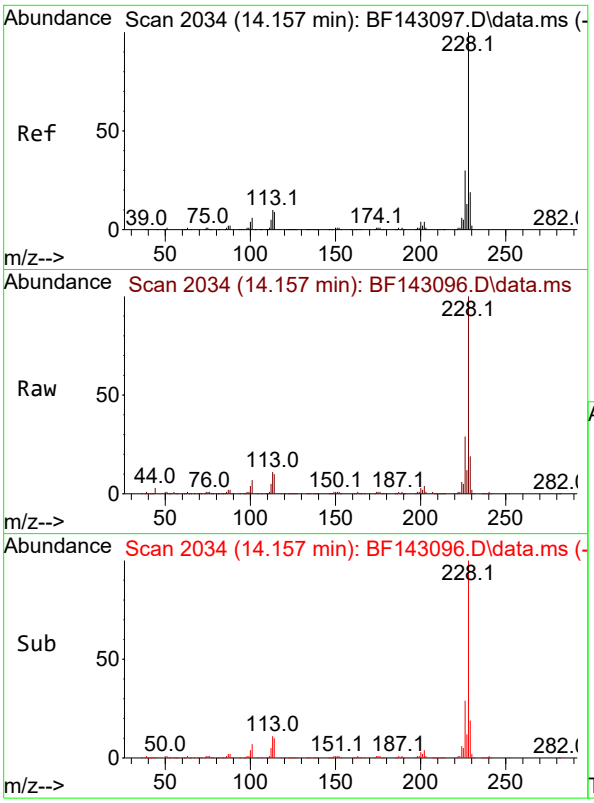



#82
3,3'-Dichlorobenzidine
Concen: 21.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:252 Resp: 96174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.3 | 51.5 | 77.3 |
| 126 | 12.7 | 9.4 | 14.0 |






#83
Chrysene
Concen: 19.732 ng
RT: 14.157 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:228 Resp: 28661(

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.3 | 23.4 | 35.2 |
| 229 | 19.2 | 15.3 | 22.9 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**

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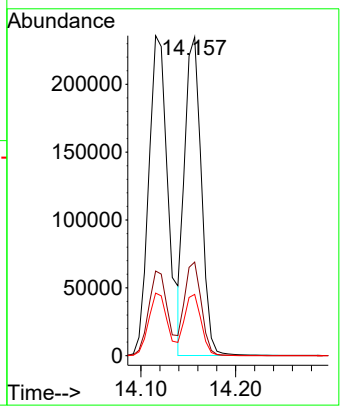
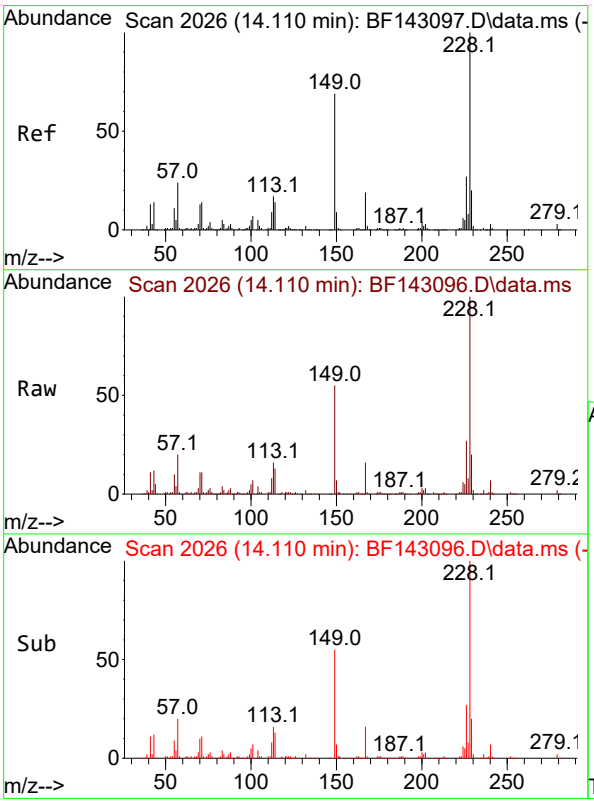
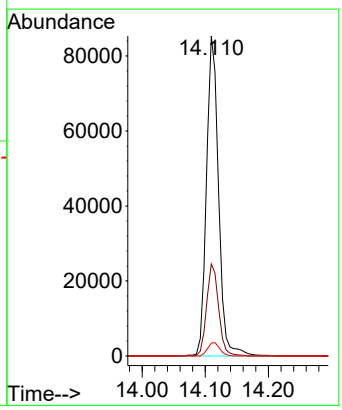


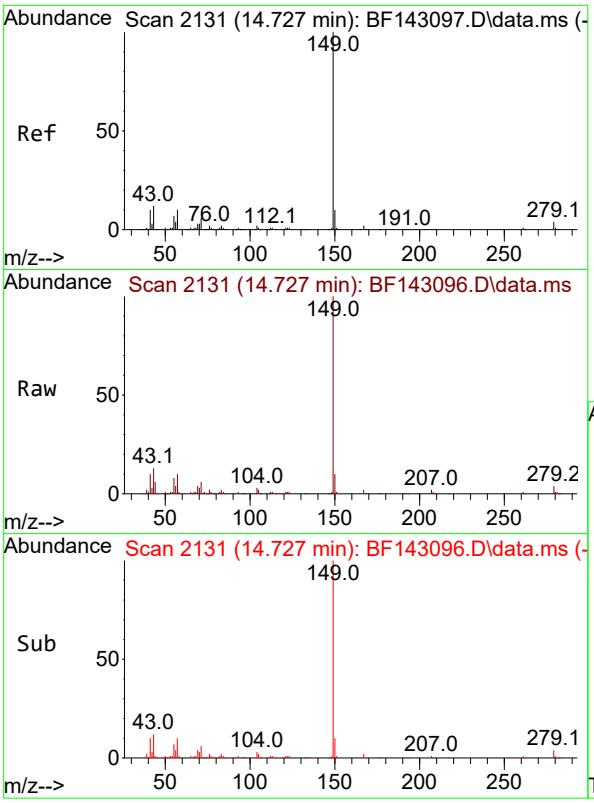




#84
Bis(2-ethylhexyl)phthalate
Concen: 19.236 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:149 Resp: 113349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.8 | 21.9 | 32.9 |
| 279 | 4.0 | 3.4 | 5.0 |

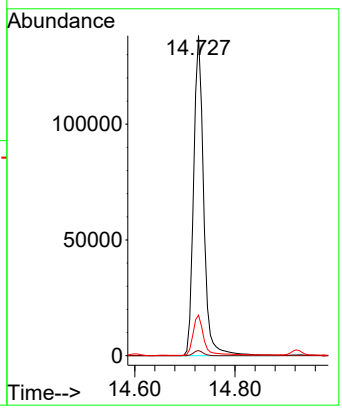





#85
Di-n-octyl phthalate
Concen: 19.817 ng
RT: 14.727 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:149 Resp: 19200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.2 | 1.8 |
| 43 | 13.7 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**

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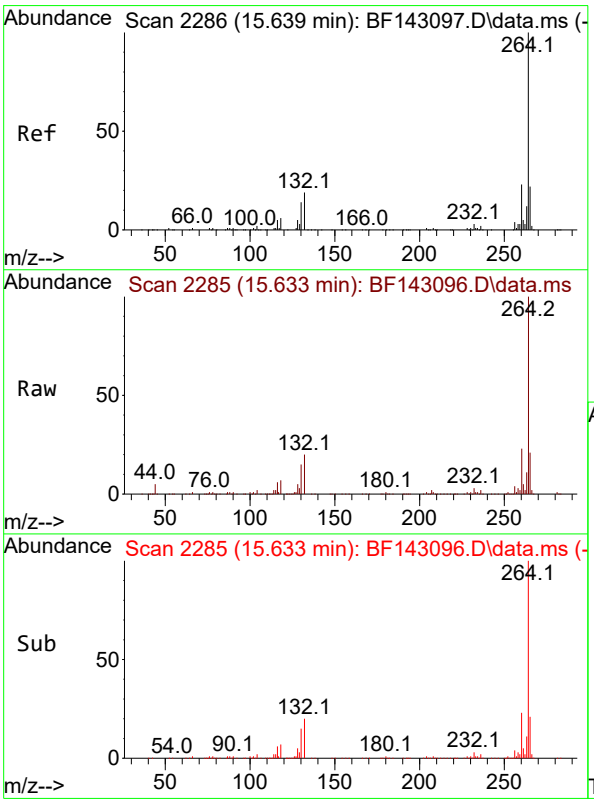
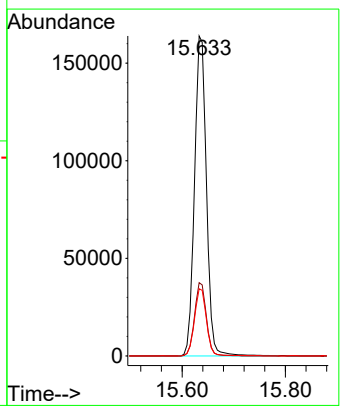
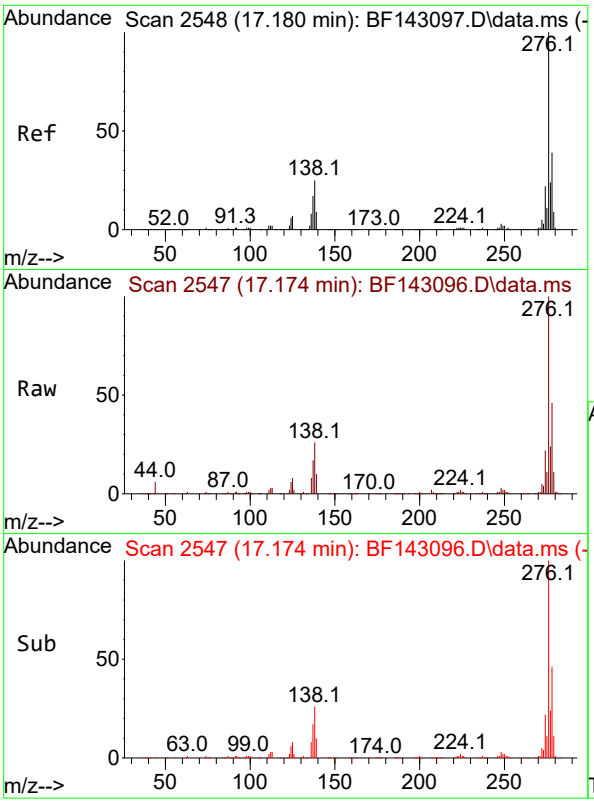



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:264 Resp: 262419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.9 | 18.5 | 27.7 |
| 265 | 21.0 | 17.5 | 26.3 |

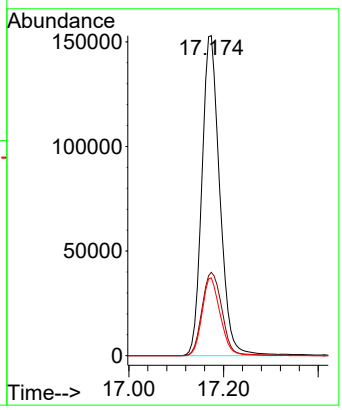





#87
Indeno(1,2,3-cd)pyrene
Concen: 20.516 ng
RT: 17.174 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:276 Resp: 40042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 29.1 | 22.6 | 34.0 |
| 277 | 24.8 | 20.2 | 30.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**

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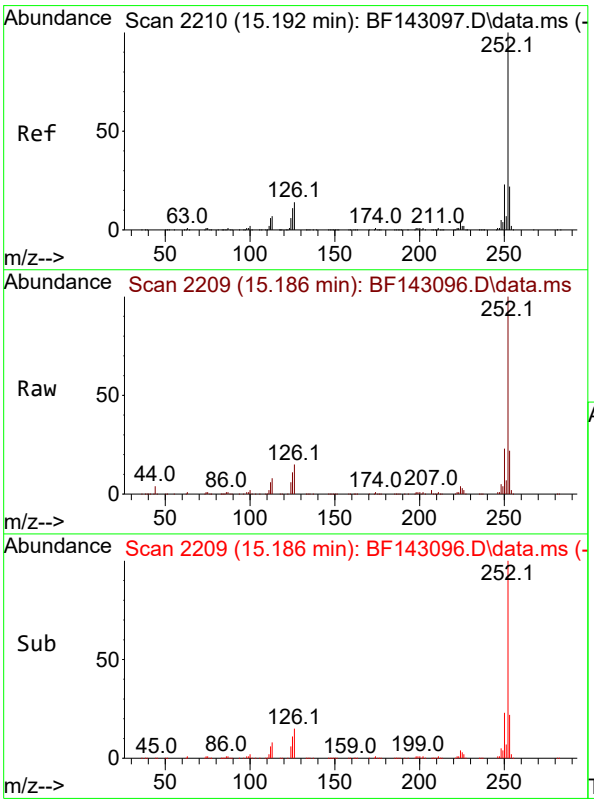
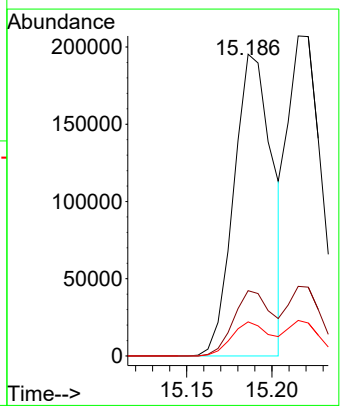
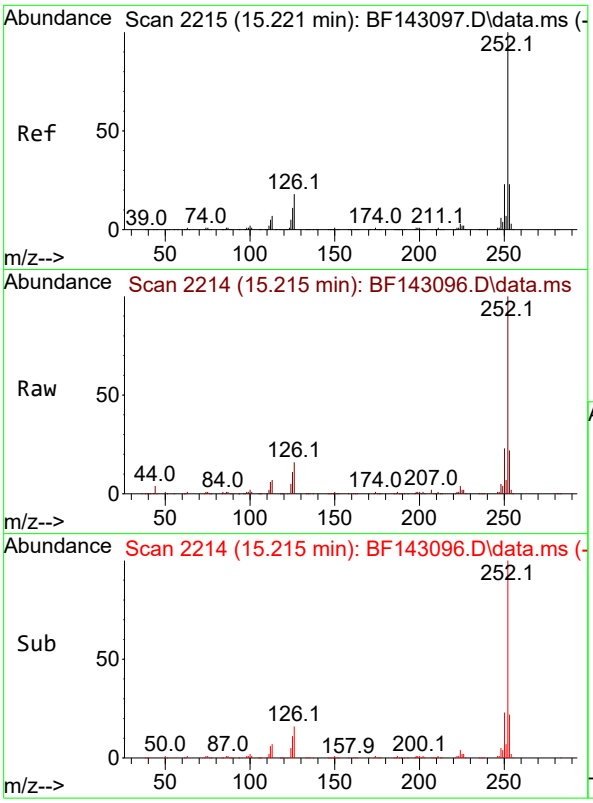



#88
Benzo(b)fluoranthene
Concen: 20.302 ng
RT: 15.186 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:252 Resp: 307312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.5 | 26.3 |
| 125 | 11.3 | 8.6 | 13.0 |

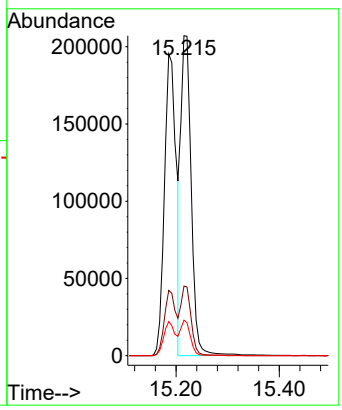





#89
Benzo(k)fluoranthene
Concen: 20.194 ng
RT: 15.215 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:252 Resp: 29161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.4 | 26.2 |
| 125 | 11.1 | 8.5 | 12.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

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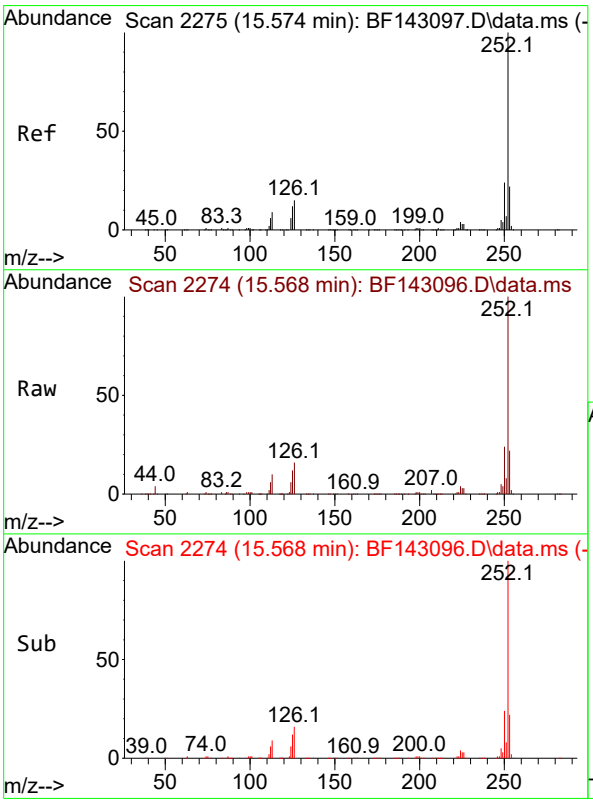
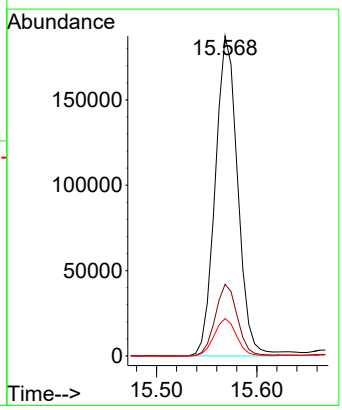
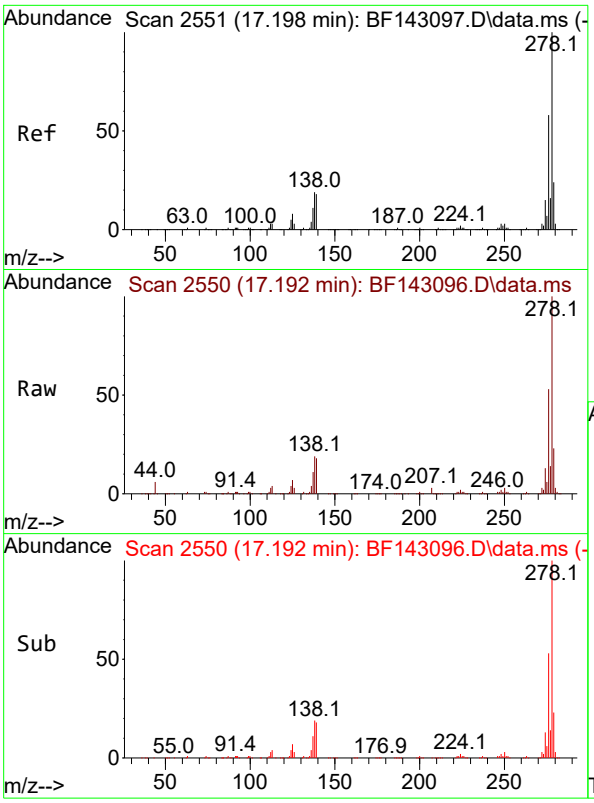



#90
Benzo(a)pyrene
Concen: 20.313 ng
RT: 15.568 min Scan# 2274
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:252 Resp: 290809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 17.5 | 26.3 |
| 125 | 11.7 | 9.4 | 14.0 |

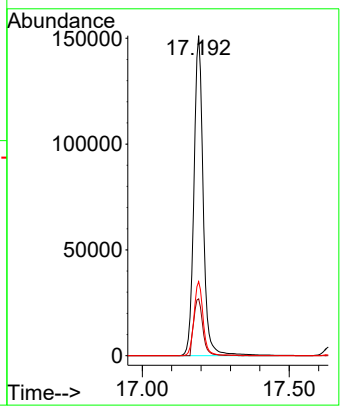





#91
Dibenzo(a,h)anthracene
Concen: 20.818 ng
RT: 17.192 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:278 Resp: 33215

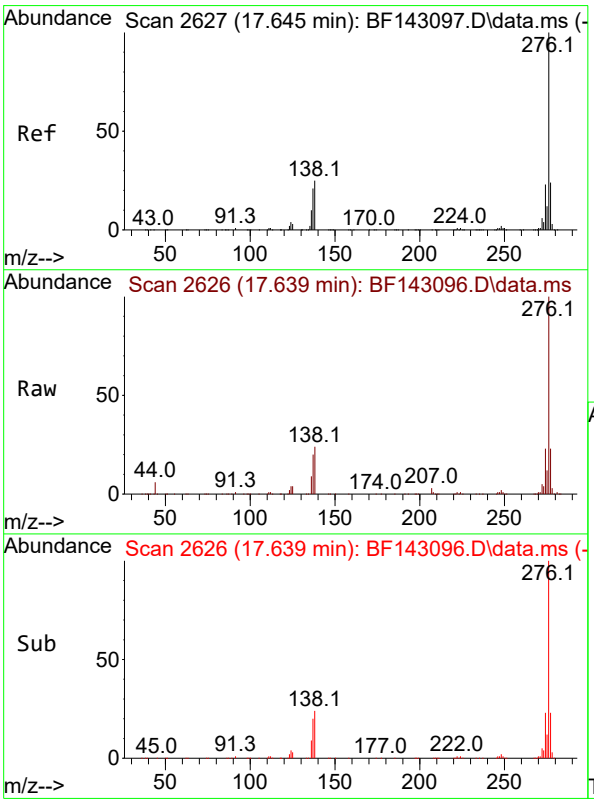
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.7 | 14.6 | 22.0 |
| 279 | 23.1 | 18.8 | 28.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
**APPROVED**

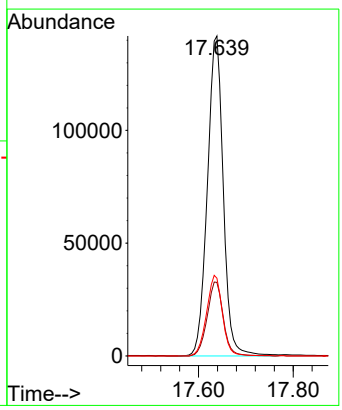
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025




#92
Benzo(g,h,i)perylene
Concen: 20.376 ng
RT: 17.639 min Scan# 2626
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:276 Resp: 331447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.0 | 19.2 | 28.8 |
| 138 | 24.3 | 19.8 | 29.6 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143097.D
Acq On : 15 Jul 2025 15:05
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 15 17:40:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.969 | 152 | 123440 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.251 | 136 | 466428 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 10.004 | 164 | 227730 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.492 | 188 | 369241 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.127 | 240 | 192349 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.639 | 264 | 226517 | 20.000 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.587 | 112 | 619840 | 79.335 | ng | 0.00 |
| 7) Phenol-d6 | 6.587 | 99 | 772641 | 78.673 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.528 | 82 | 694498m | 83.526 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.792 | 330 | 170969 | 84.198 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.328 | 172 | 1326482 | 77.428 | ng | 0.00 |
| 79) Terphenyl-d14 | 13.074 | 244 | 1033540 | 78.547 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.810 | 88 | 154739 | 39.787 | ng | 100 |
| 3) Pyridine | 3.581 | 79 | 393514 | 39.957 | ng | 100 |
| 4) n-Nitrosodimethylamine | 3.522 | 42 | 201552 | 39.500 | ng | 100 |
| 6) Aniline | 6.628 | 93 | 544405 | 39.365 | ng | 100 |
| 8) 2-Chlorophenol | 6.751 | 128 | 314192 | 40.025 | ng | 100 |
| 9) Benzaldehyde | 6.516 | 77 | 358216 | 47.869 | ng | 100 |
| 10) Phenol | 6.598 | 94 | 421819m | 39.676 | ng | |
| 11) bis(2-Chloroethyl)ether | 6.698 | 93 | 323129 | 39.260 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 6.910 | 146 | 349154 | 39.371 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 6.987 | 146 | 348706 | 39.084 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 7.140 | 146 | 336818 | 39.587 | ng | 100 |
| 15) Benzyl Alcohol | 7.098 | 79 | 288056 | 39.585 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.239 | 45 | 593735 | 39.134 | ng | 100 |
| 17) 2-Methylphenol | 7.204 | 107 | 267472 | 39.484 | ng | 100 |
| 18) Hexachloroethane | 7.487 | 117 | 116640 | 40.159 | ng | 100 |
| 19) n-Nitroso-di-n-propyla... | 7.375 | 70 | 237958 | 39.549 | ng | 100 |
| 20) 3+4-Methylphenols | 7.363 | 107 | 334719 | 40.291 | ng | 100 |
| 22) Acetophenone | 7.375 | 105 | 437447 | 38.906 | ng | 100 |
| 24) Nitrobenzene | 7.545 | 77 | 332013 | 41.364 | ng | 100 |
| 25) Isophorone | 7.787 | 82 | 632327 | 39.346 | ng | 100 |
| 26) 2-Nitrophenol | 7.863 | 139 | 112314 | 36.079 | ng | 100 |
| 27) 2,4-Dimethylphenol | 7.892 | 122 | 298241 | 39.984 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 7.992 | 93 | 381576 | 39.155 | ng | 100 |
| 29) 2,4-Dichlorophenol | 8.098 | 162 | 248676 | 40.752 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.192 | 180 | 274944 | 39.701 | ng | 100 |
| 31) Naphthalene | 8.275 | 128 | 900967 | 38.898 | ng | 100 |
| 32) Benzoic acid | 7.987 | 122 | 133968m | 37.684 | ng | |
| 33) 4-Chloroaniline | 8.310 | 127 | 371249 | 39.858 | ng | 100 |
| 34) Hexachlorobutadiene | 8.392 | 225 | 165576 | 39.978 | ng | 100 |
| 35) Caprolactam | 8.669 | 113 | 77472 | 40.657 | ng | 100 |
| 36) 4-Chloro-3-methylphenol | 8.786 | 107 | 272885 | 40.145 | ng | 100 |
| 37) 2-Methylnaphthalene | 8.963 | 142 | 540844 | 39.141 | ng | 100 |
| 38) 1-Methylnaphthalene | 9.063 | 142 | 562696 | 39.263 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.128 | 216 | 263160 | 39.653 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 9.122 | 237 | 147221 | 40.011 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 9.233 | 196 | 171419 | 41.569 | ng | 100 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143097.D
Acq On : 15 Jul 2025 15:05
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 15 17:40:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.269 | 196 | 179101 | 41.422 | ng | 100 |
| 46) 1,1'-Biphenyl | 9.428 | 154 | 713513 | 39.288 | ng | 100 |
| 47) 2-Chloronaphthalene | 9.451 | 162 | 527800 | 39.561 | ng | 100 |
| 48) 2-Nitroaniline | 9.533 | 65 | 149322 | 38.182 | ng | 100 |
| 49) Acenaphthylene | 9.869 | 152 | 892054 | 40.126 | ng | 100 |
| 50) Dimethylphthalate | 9.722 | 163 | 572658 | 39.971 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.775 | 165 | 106468 | 38.213 | ng | 100 |
| 52) Acenaphthene | 10.039 | 154 | 513370 | 39.131 | ng | 100 |
| 53) 3-Nitroaniline | 9.945 | 138 | 130953 | 42.301 | ng | 100 |
| 54) 2,4-Dinitrophenol | 10.045 | 184 | 31236 | 37.582 | ng | 100 |
| 55) Dibenzofuran | 10.210 | 168 | 772862 | 39.524 | ng | 100 |
| 56) 4-Nitrophenol | 10.086 | 139 | 101948 | 41.436 | ng | 100 |
| 57) 2,4-Dinitrotoluene | 10.180 | 165 | 134243 | 38.682 | ng | 100 |
| 58) Fluorene | 10.551 | 166 | 567511 | 38.710 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.322 | 232 | 142027 | 41.334 | ng | 100 |
| 60) Diethylphthalate | 10.422 | 149 | 557712 | 40.349 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.545 | 204 | 279817 | 39.822 | ng | 100 |
| 62) 4-Nitroaniline | 10.557 | 138 | 113355 | 42.106 | ng | 100 |
| 63) Azobenzene | 10.704 | 77 | 604710 | 39.558 | ng | 100 |
| 65) 4,6-Dinitro-2-methylph... | 10.586 | 198 | 47349 | 37.223 | ng | 100 |
| 66) n-Nitrosodiphenylamine | 10.657 | 169 | 503590 | 38.827 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 11.033 | 248 | 164133 | 39.088 | ng | 100 |
| 68) Hexachlorobenzene | 11.104 | 284 | 173911 | 39.034 | ng | 100 |
| 69) Atrazine | 11.180 | 200 | 133416 | 40.206 | ng | 100 |
| 70) Pentachlorophenol | 11.292 | 266 | 97625 | 39.938 | ng | 100 |
| 71) Phenanthrene | 11.516 | 178 | 769372 | 38.609 | ng | 100 |
| 72) Anthracene | 11.569 | 178 | 780754 | 38.961 | ng | 100 |
| 73) Carbazole | 11.716 | 167 | 692468 | 38.572 | ng | 100 |
| 74) Di-n-butylphthalate | 12.051 | 149 | 680394 | 41.288 | ng | 100 |
| 75) Fluoranthene | 12.704 | 202 | 708736 | 39.115 | ng | 100 |
| 77) Benzidine | 12.816 | 184 | 321029 | 48.989 | ng | 100 |
| 78) Pyrene | 12.933 | 202 | 708631 | 39.706 | ng | 100 |
| 80) Butylbenzylphthalate | 13.551 | 149 | 132061 | 37.625 | ng | 100 |
| 81) Benzo(a)anthracene | 14.121 | 228 | 518137 | 40.424 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 14.080 | 252 | 148294 | 39.841 | ng | 100 |
| 83) Chrysene | 14.157 | 228 | 461979 | 39.134 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.110 | 149 | 198176 | 37.454 | ng | 100 |
| 85) Di-n-octyl phthalate | 14.727 | 149 | 354747 | 36.531 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 17.180 | 276 | 689277 | 40.912 | ng | 100 |
| 88) Benzo(b)fluoranthene | 15.192 | 252 | 490240 | 37.520 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.221 | 252 | 520058 | 41.721 | ng | 100 |
| 90) Benzo(a)pyrene | 15.574 | 252 | 509307 | 41.215 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 17.198 | 278 | 561661 | 40.782 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 17.645 | 276 | 569850 | 40.584 | ng | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

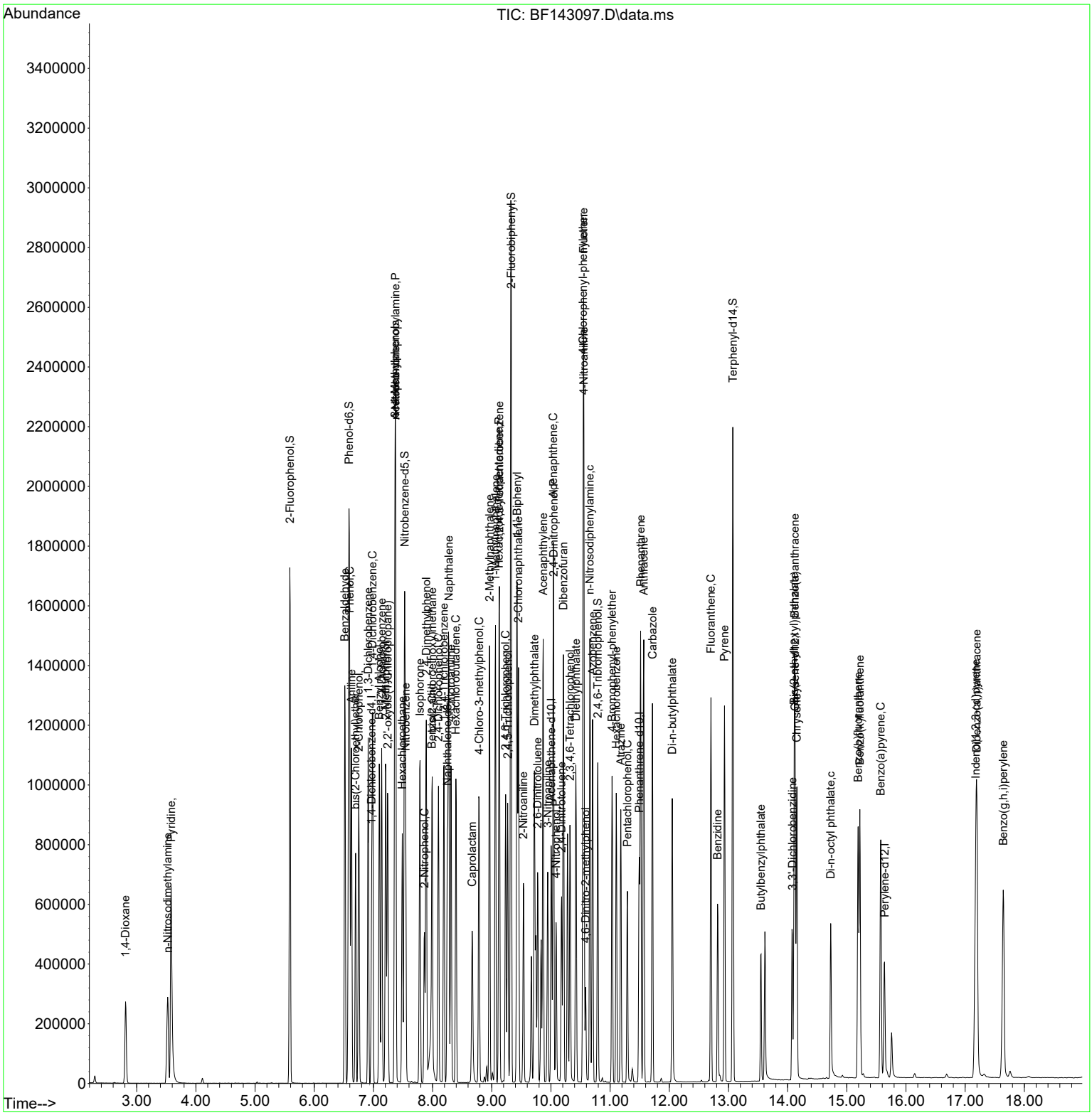
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143097.D
Acq On : 15 Jul 2025 15:05
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

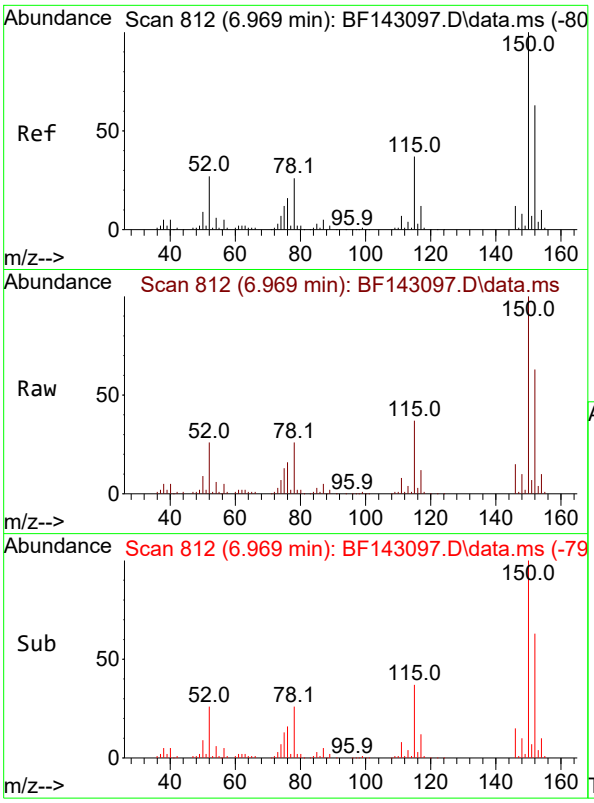
Quant Time: Jul 15 17:40:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

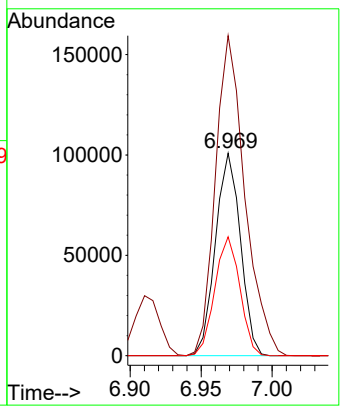





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:152 Resp: 12344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.1 | 126.5 | 189.7 |
| 115 | 58.8 | 47.0 | 70.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 07/16/2025
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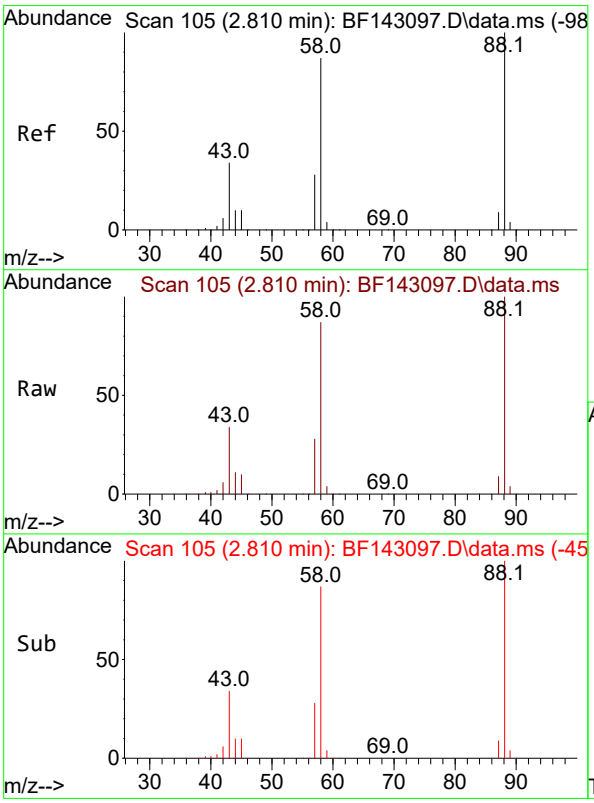
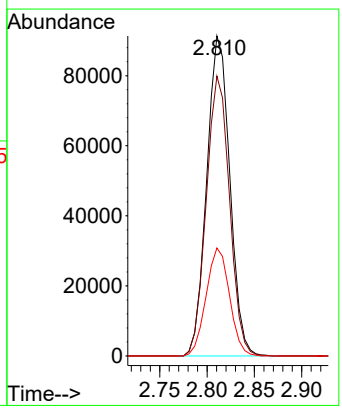
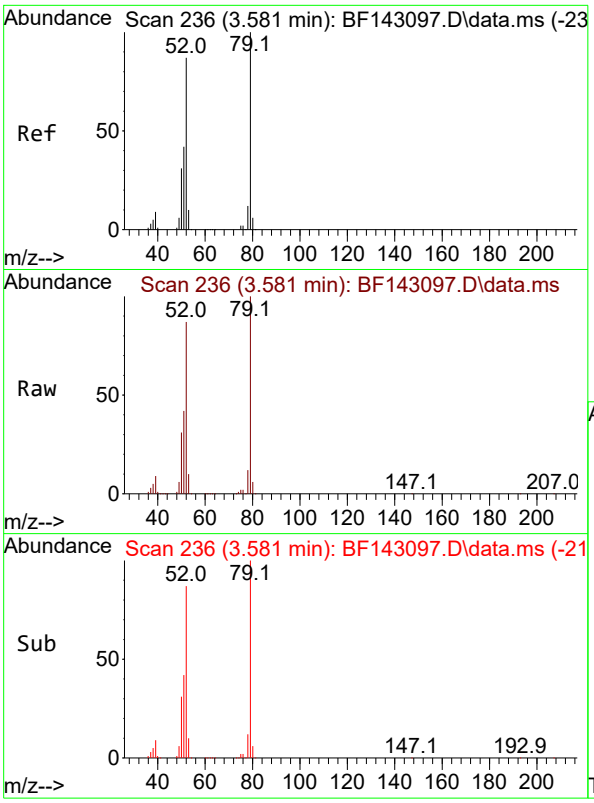



#2
1,4-Dioxane
Concen: 39.787 ng
RT: 2.810 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 88 Resp: 154739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 88.1 | 70.5 | 105.7 |
| 43 | 34.1 | 27.3 | 40.9 |

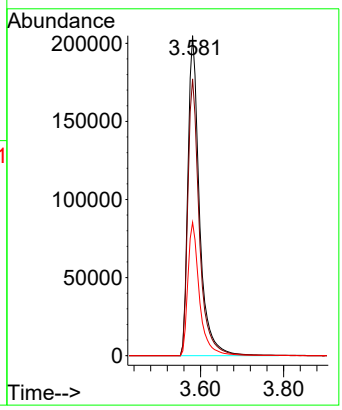





#3
Pyridine
Concen: 39.957 ng
RT: 3.581 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 79 Resp: 39351

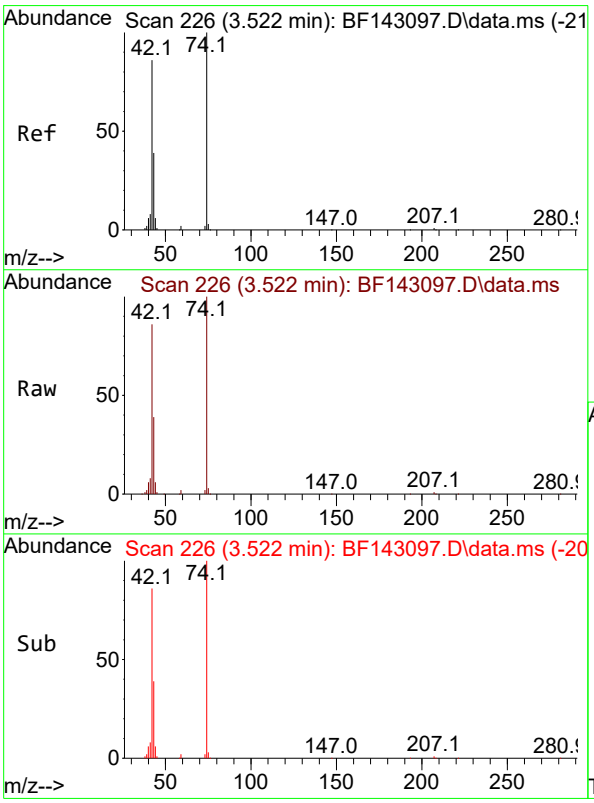
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 86.5 | 69.2 | 103.8 |
| 51 | 41.6 | 33.3 | 49.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

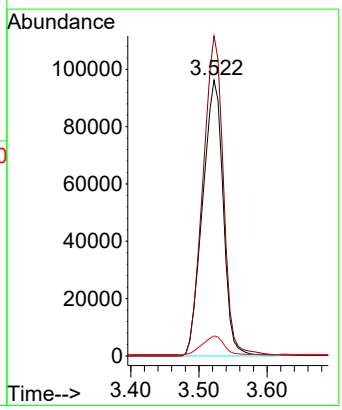
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

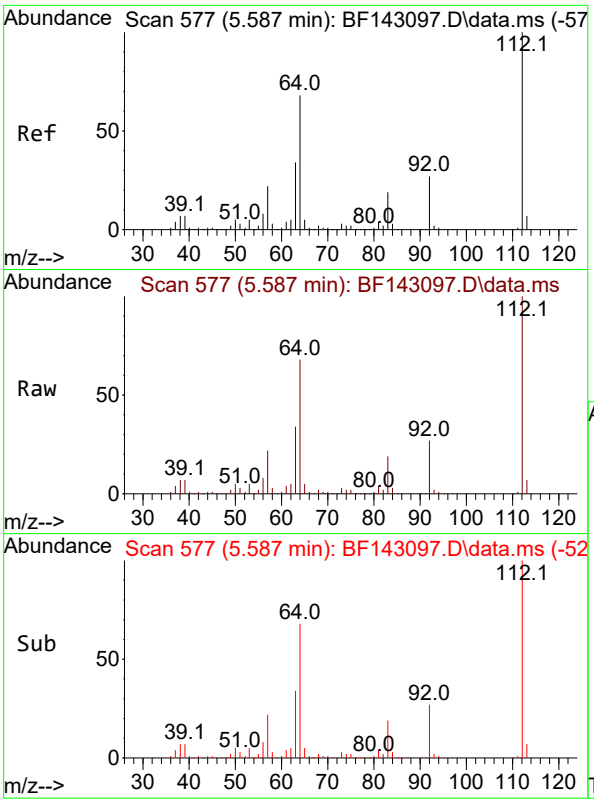



#4
n-Nitrosodimethylamine
Concen: 39.500 ng
RT: 3.522 min Scan# 226
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 42 Resp: 201552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 116.0 | 92.8 | 139.2 |
| 44 | 7.2 | 5.8 | 8.6 |






#5
2-Fluorophenol
Concen: 79.335 ng
RT: 5.587 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

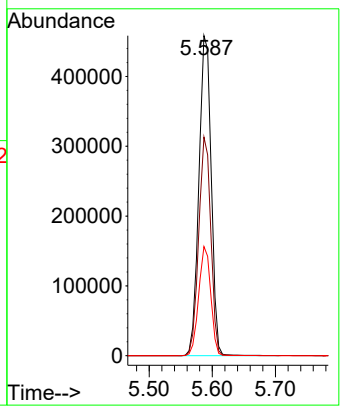
Tgt Ion:112 Resp: 61984

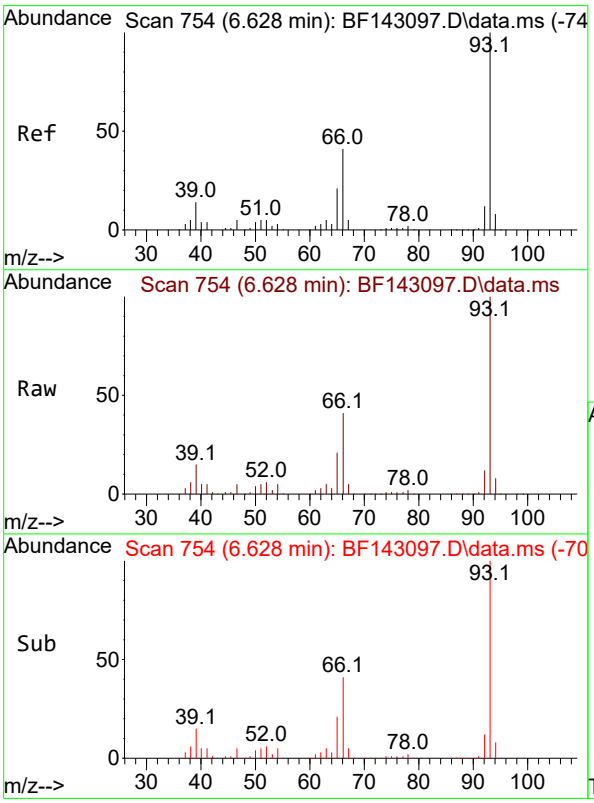
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 68.3 | 54.6 | 82.0 |
| 63 | 34.1 | 27.3 | 40.9 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

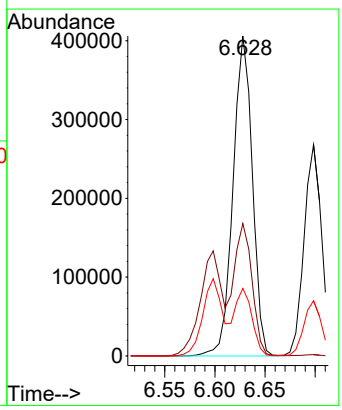


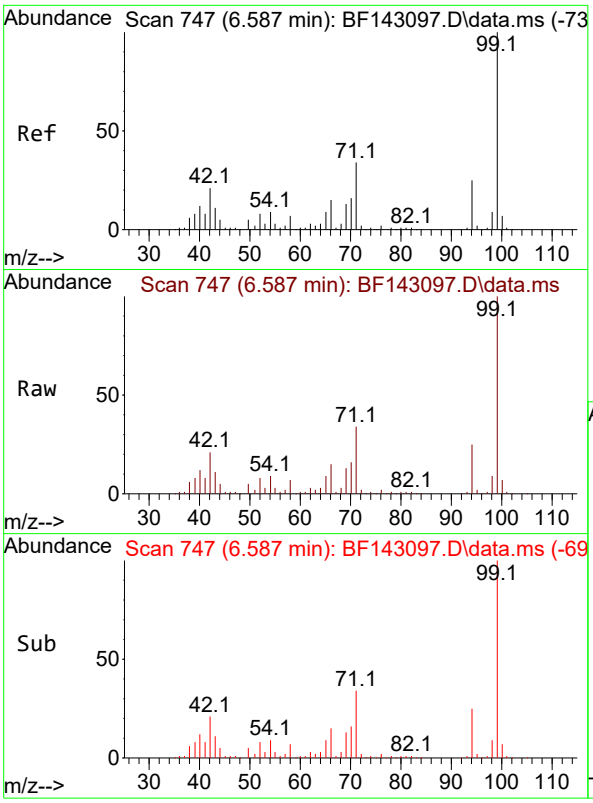




#6
Aniline
Concen: 39.365 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 93 Resp: 544405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 41.4 | 33.1 | 49.7 |
| 65 | 21.1 | 16.9 | 25.3 |






#7
Phenol-d6
Concen: 78.673 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

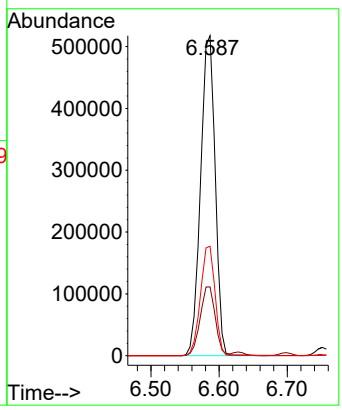
Tgt Ion: 99 Resp: 77264

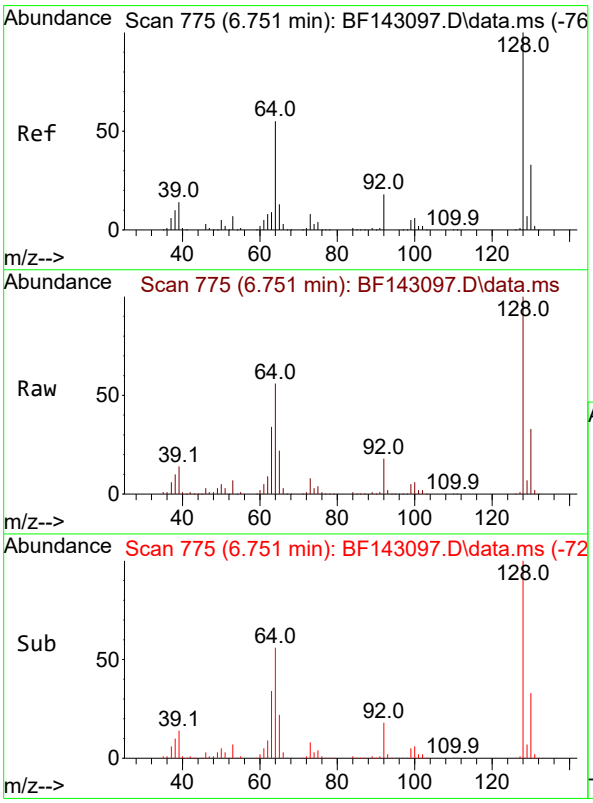
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.5 | 17.2 | 25.8 |
| 71 | 34.2 | 27.4 | 41.0 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

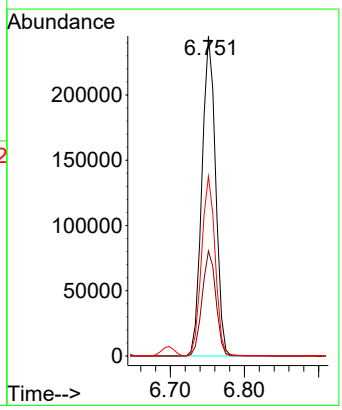


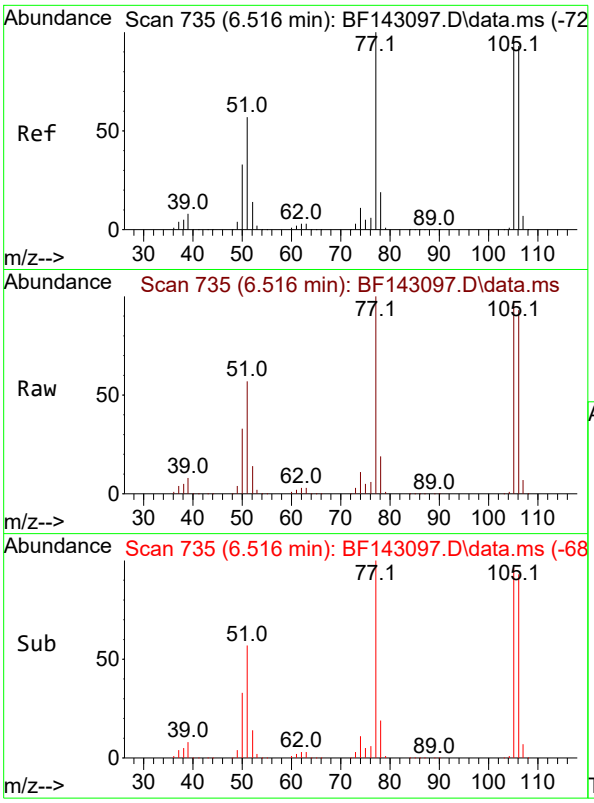




#8
2-Chlorophenol
Concen: 40.025 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:128 Resp: 314192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.8 | 12.8 | 52.8 |
| 64 | 56.1 | 36.1 | 76.1 |

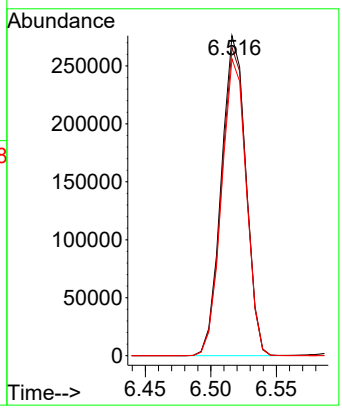





#9
Benzaldehyde
Concen: 47.869 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 77 Resp: 35821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 96.3 | 76.3 | 116.3 |
| 106 | 92.8 | 72.8 | 112.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
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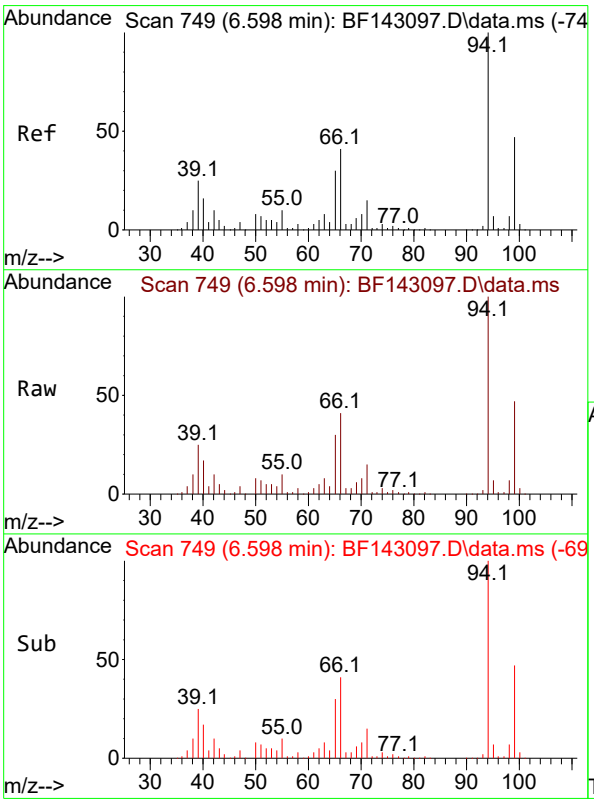
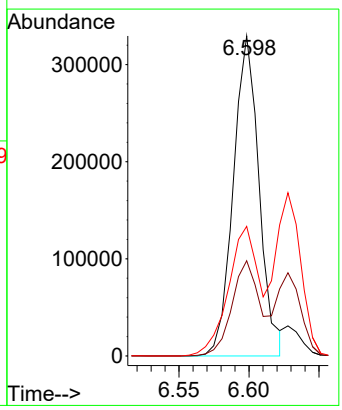
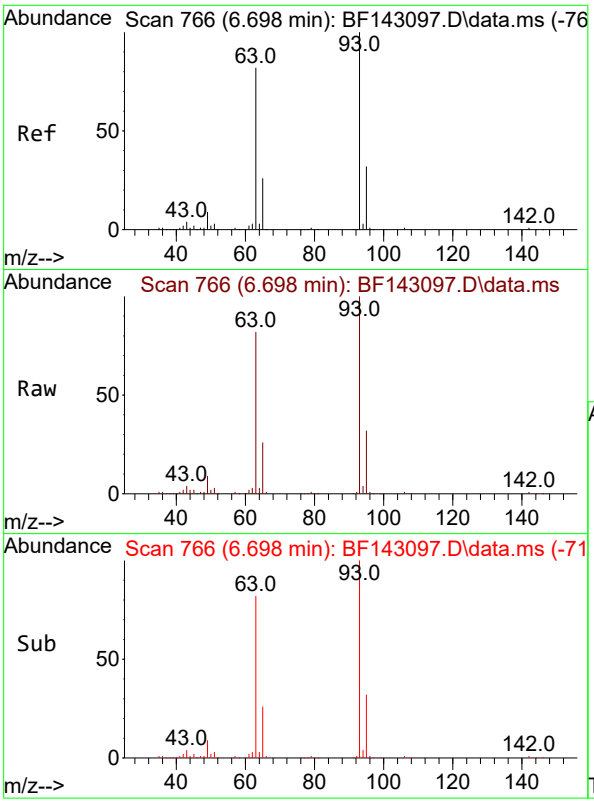



#10
Phenol
Concen: 39.676 ng m
RT: 6.598 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 94 Resp: 421819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.8 | 9.8 | 49.8 |
| 66 | 40.5 | 20.5 | 60.5 |

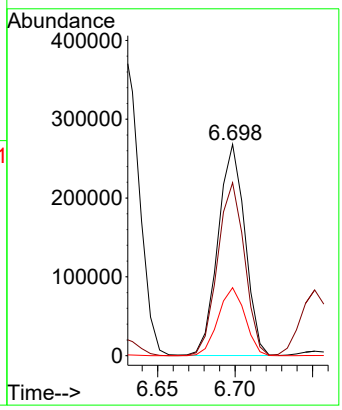





#11
bis(2-Chloroethyl)ether
Concen: 39.260 ng
RT: 6.698 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 93 Resp: 32312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 81.9 | 61.9 | 101.9 |
| 95 | 32.2 | 12.2 | 52.2 |




**Instrument :**
BNA_F
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SSTDICCC040

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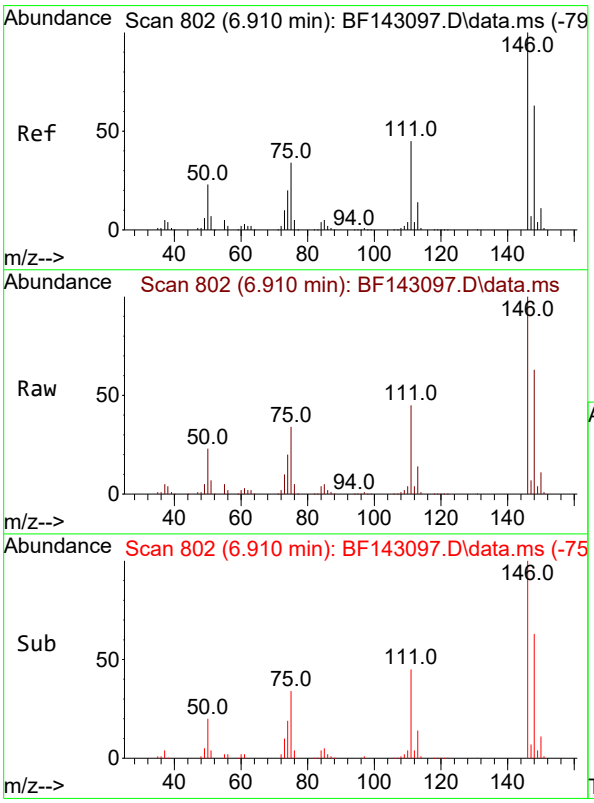
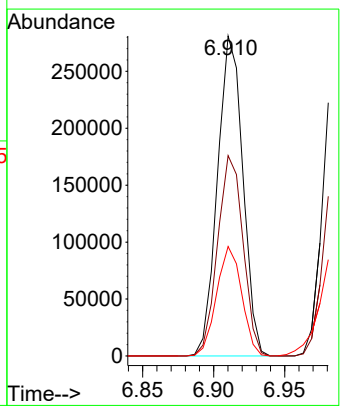
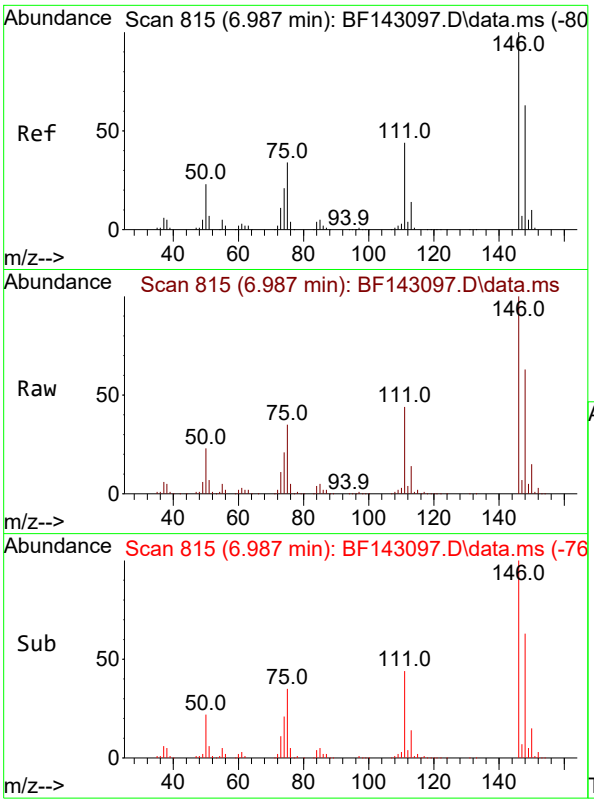



#12
1,3-Dichlorobenzene
Concen: 39.371 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:146 Resp: 349154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.6 | 50.1 | 75.1 |
| 75 | 34.2 | 27.4 | 41.0 |

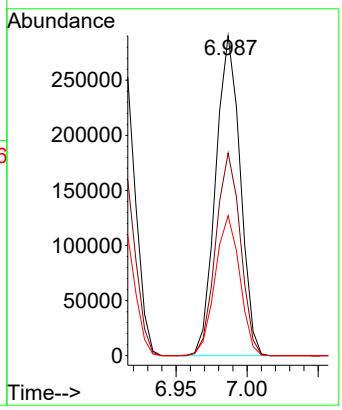





#13
1,4-Dichlorobenzene
Concen: 39.084 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:146 Resp: 34870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 50.6 | 76.0 |
| 111 | 43.8 | 35.0 | 52.6 |




**Instrument :**
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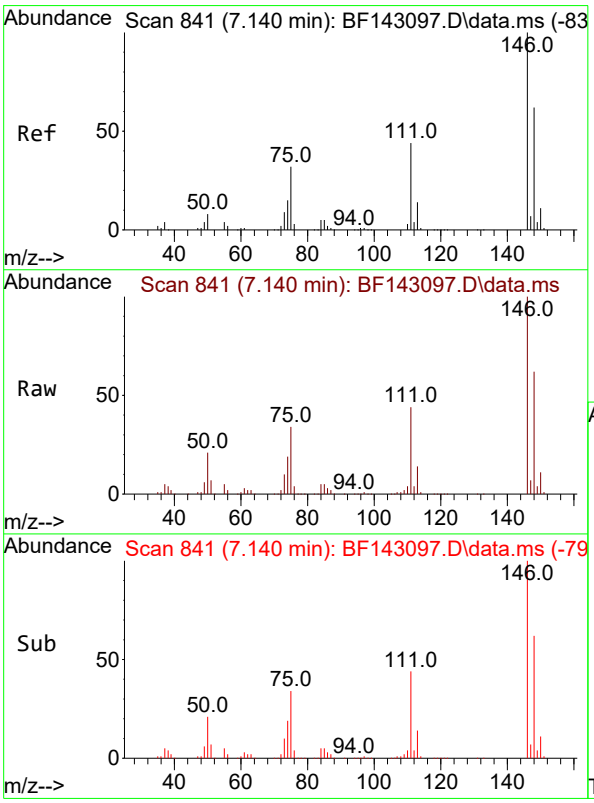
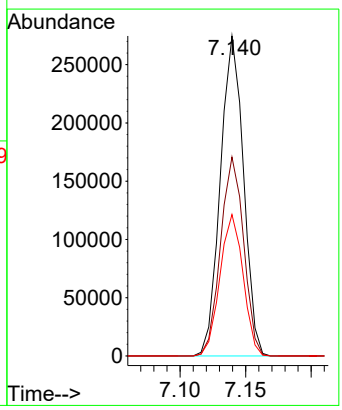
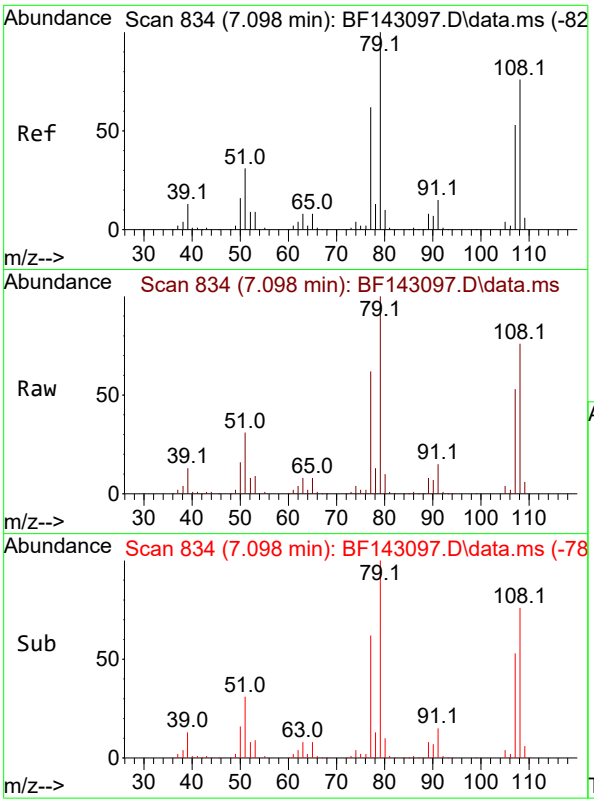



#14
1,2-Dichlorobenzene
Concen: 39.587 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:146 Resp: 336818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.2 | 49.8 | 74.6 |
| 111 | 44.2 | 35.4 | 53.0 |

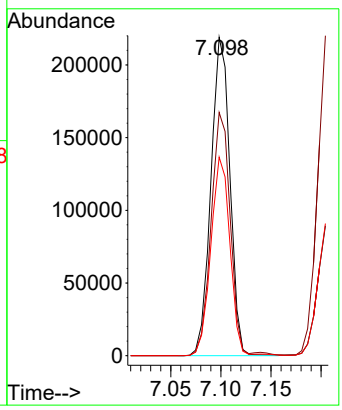





#15
Benzyl Alcohol
Concen: 39.585 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 79 Resp: 28805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.4 | 61.1 | 91.7 |
| 77 | 62.4 | 49.9 | 74.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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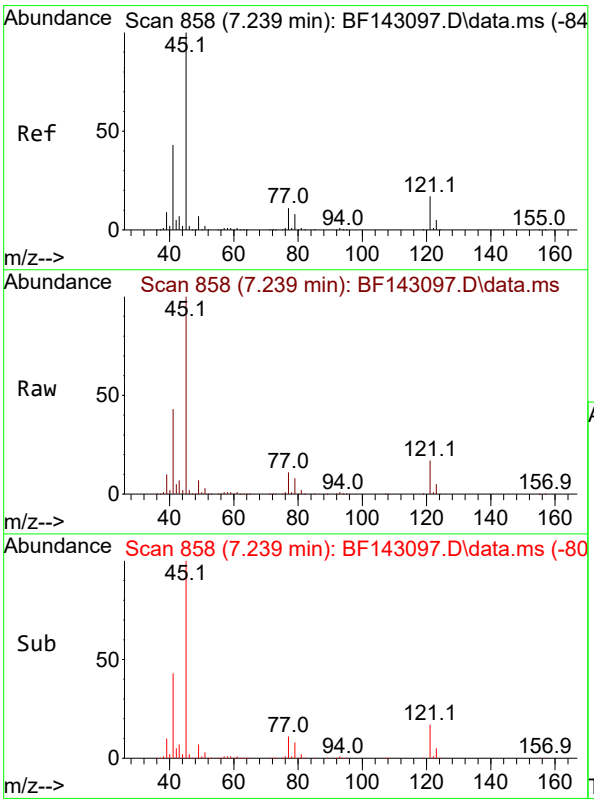
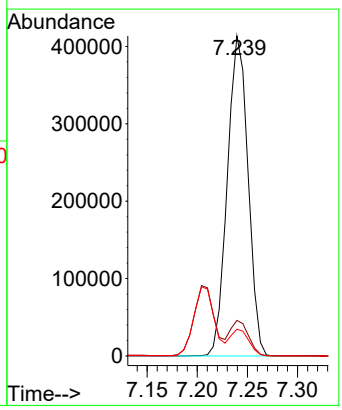
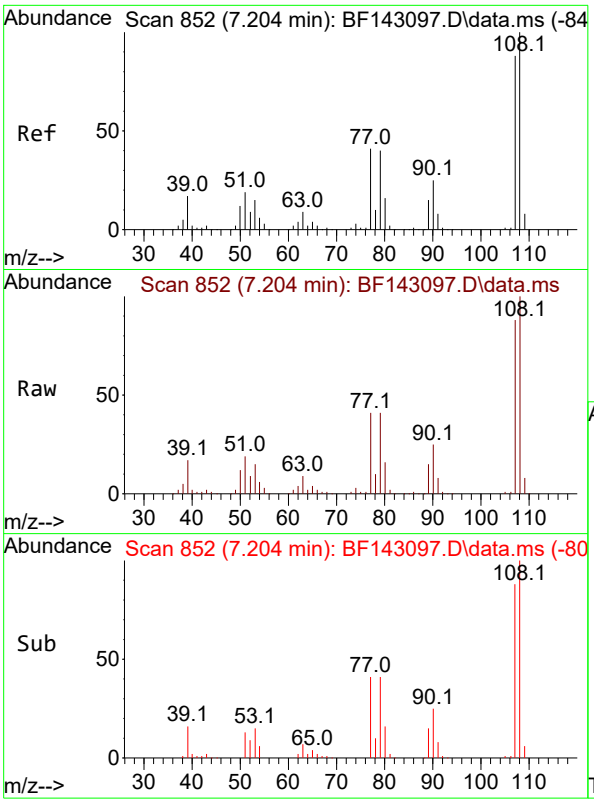



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.134 ng
RT: 7.239 min Scan# 858
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 45 Resp: 593735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 11.1 | 0.0 | 31.1 |
| 79 | 8.4 | 0.0 | 28.4 |

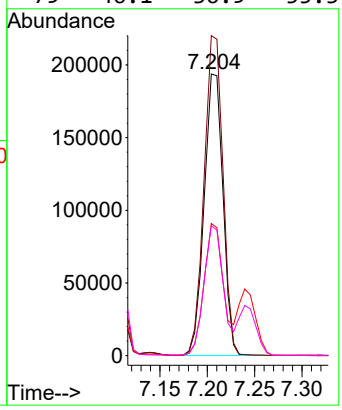





#17
2-Methylphenol
Concen: 39.484 ng
RT: 7.204 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:107 Resp: 26747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.6 | 90.9 | 136.3 |
| 77 | 46.9 | 37.5 | 56.3 |
| 79 | 46.1 | 36.9 | 55.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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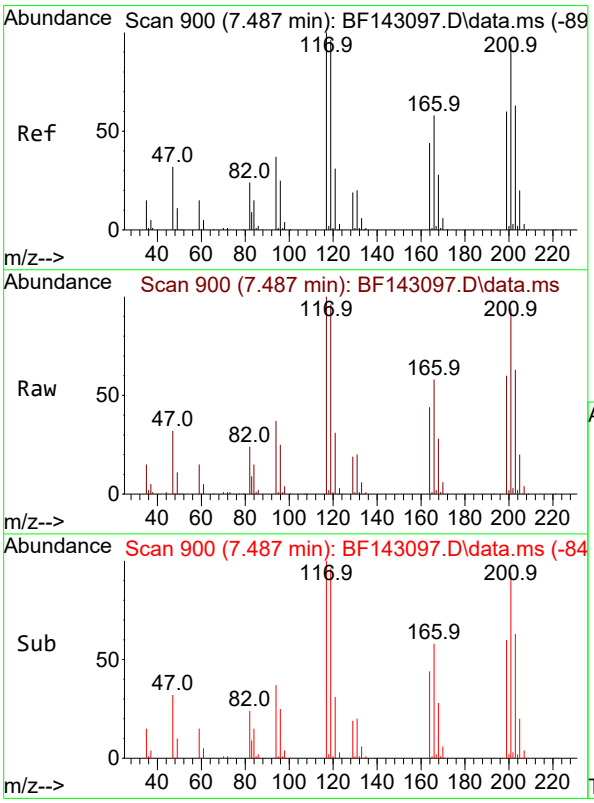
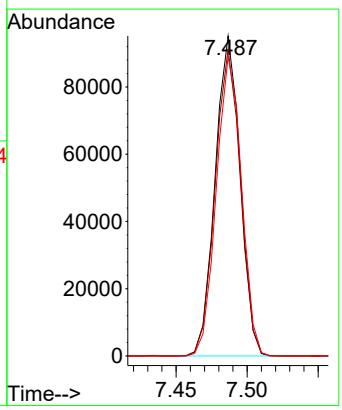
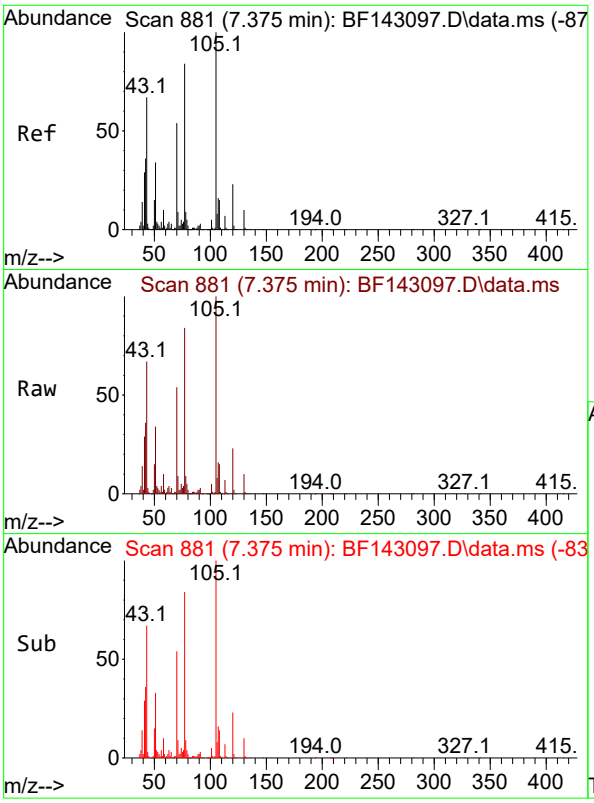



#18
Hexachloroethane
Concen: 40.159 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:117 Resp: 116640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.9 | 76.7 | 115.1 |
| 201 | 93.7 | 75.0 | 112.4 |

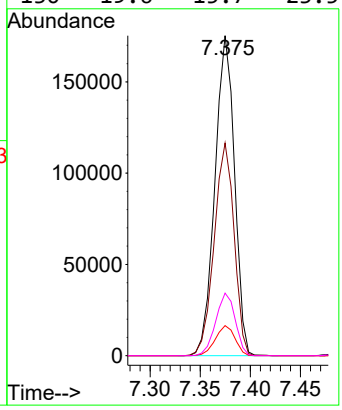





#19
n-Nitroso-di-n-propylamine
Concen: 39.549 ng
RT: 7.375 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 70 Resp: 23795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 66.5 | 53.2 | 79.8 |
| 101 | 9.4 | 7.5 | 11.3 |
| 130 | 19.6 | 15.7 | 23.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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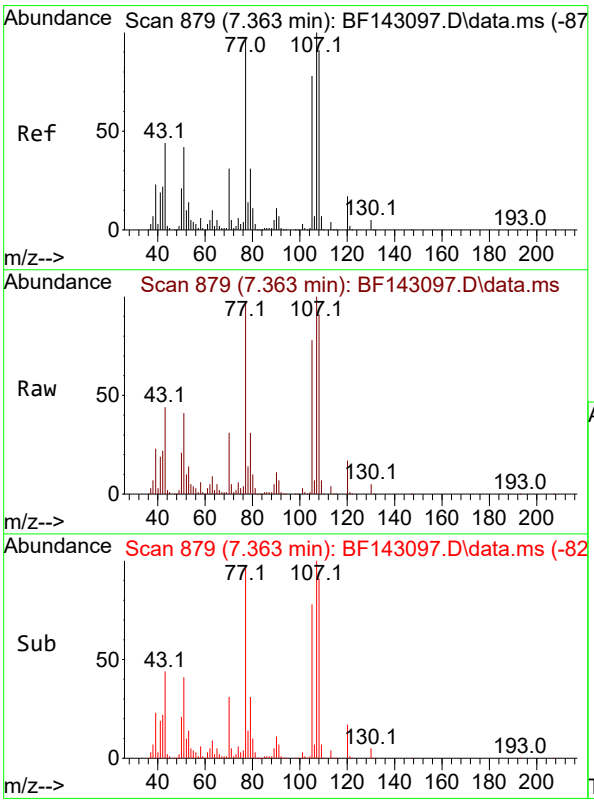
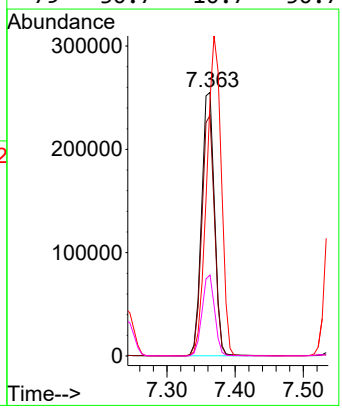
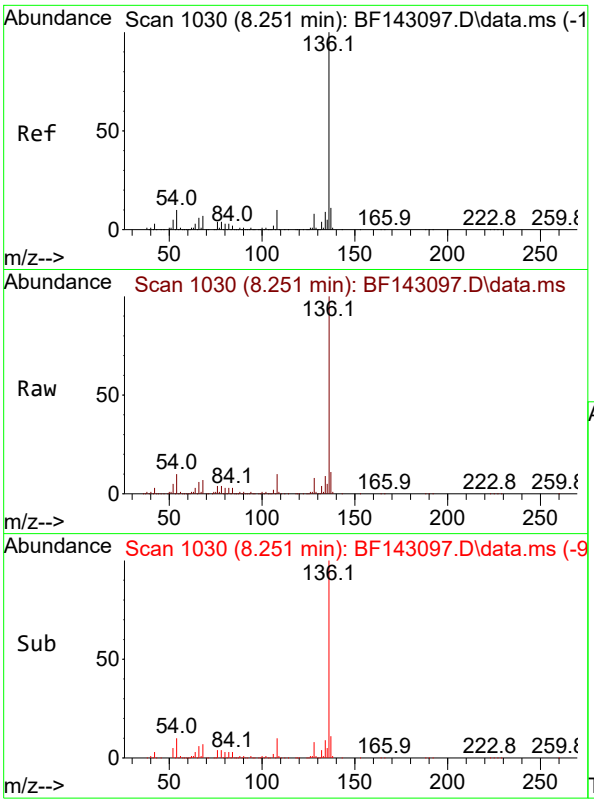



#20
3+4-Methylphenols
Concen: 40.291 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:107 Resp: 334719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.3 | 71.3 | 111.3 |
| 77 | 97.2 | 77.2 | 117.2 |
| 79 | 30.7 | 10.7 | 50.7 |

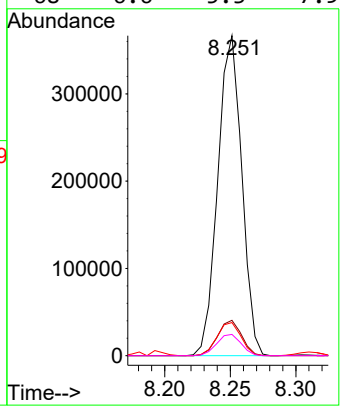





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:136 Resp: 46642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.9 | 13.3 |
| 54 | 10.4 | 8.3 | 12.5 |
| 68 | 6.6 | 5.3 | 7.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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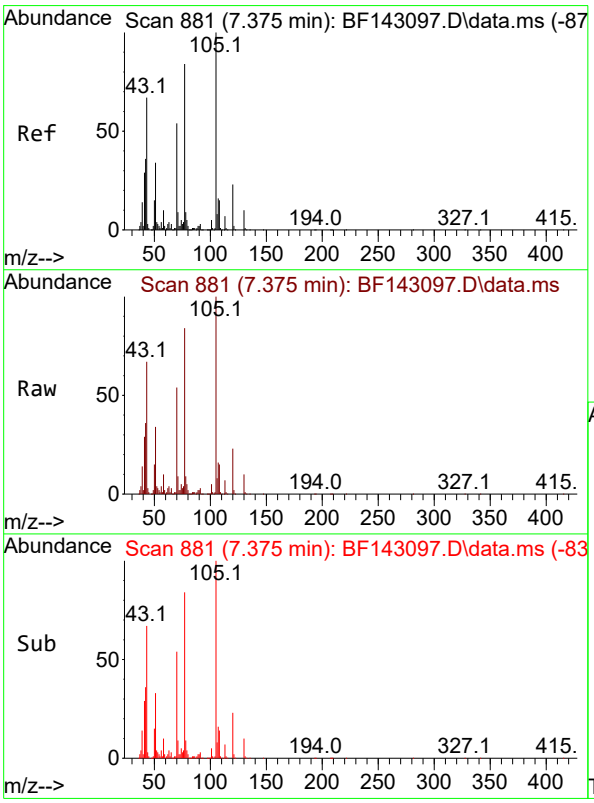
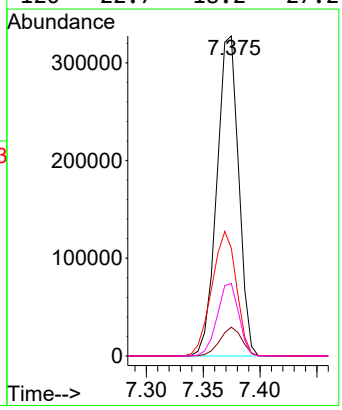
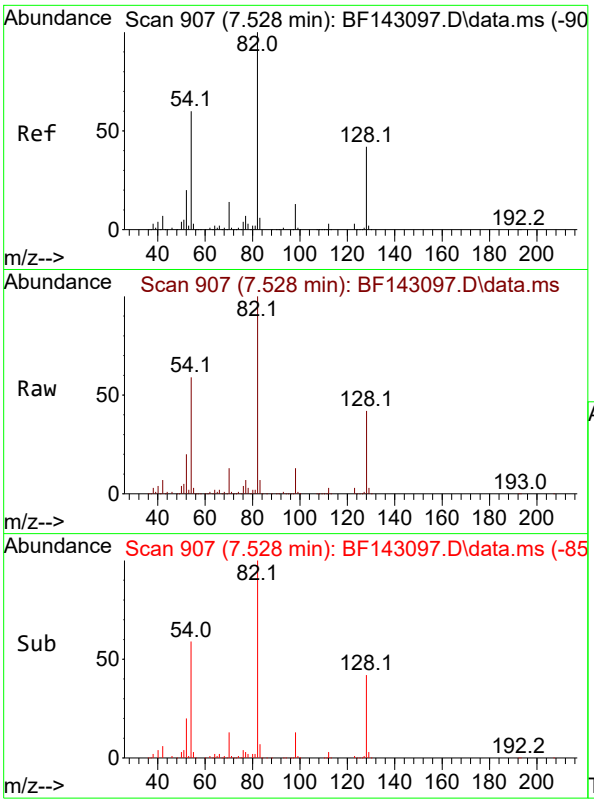



#22
Acetophenone
Concen: 38.906 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:105 Resp: 437447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 9.0 | 7.2 | 10.8 |
| 51 | 33.7 | 27.0 | 40.4 |
| 120 | 22.7 | 18.2 | 27.2 |






#23
Nitrobenzene-d5
Concen: 83.526 ng m
RT: 7.528 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 82 Resp: 69449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.6 | 33.3 | 49.9 |
| 54 | 59.3 | 47.4 | 71.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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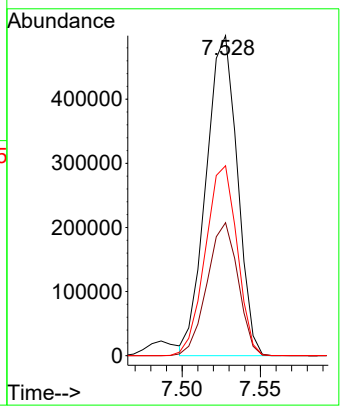
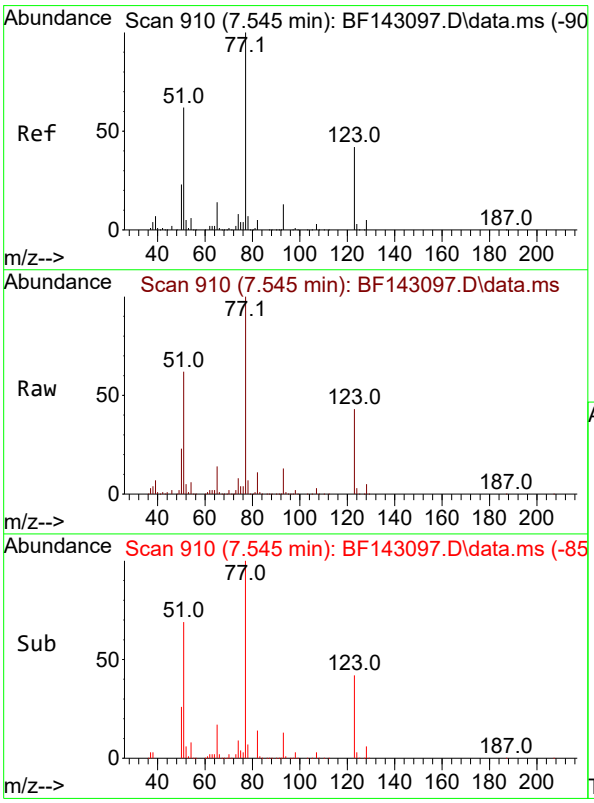
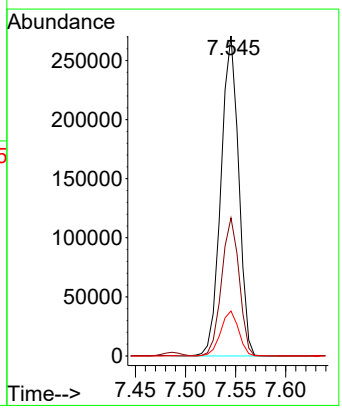


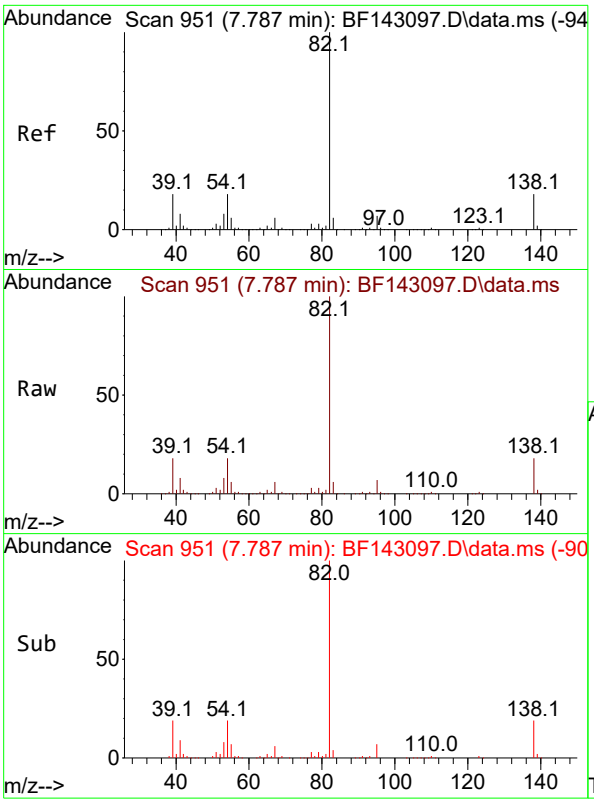




#24
Nitrobenzene
Concen: 41.364 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 77 Resp: 332013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 43.1 | 34.5 | 51.7 |
| 65 | 14.1 | 11.3 | 16.9 |






#25
Isophorone
Concen: 39.346 ng
RT: 7.787 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 82 Resp: 63232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.0 | 5.6 | 8.4 |
| 138 | 17.9 | 14.3 | 21.5 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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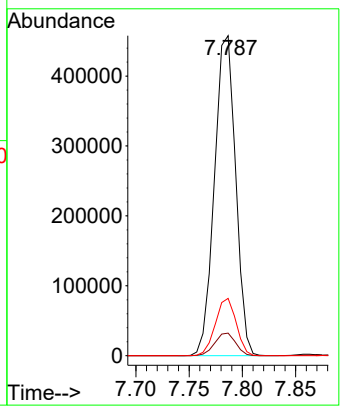
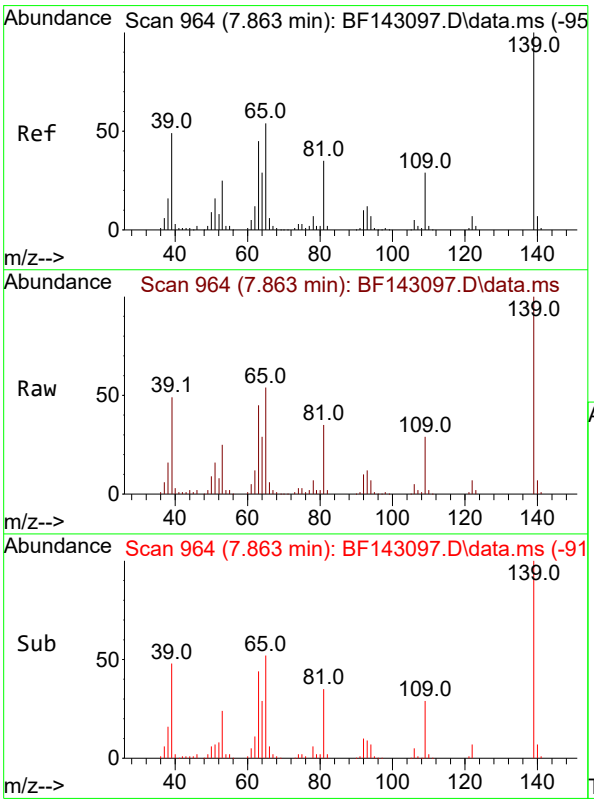
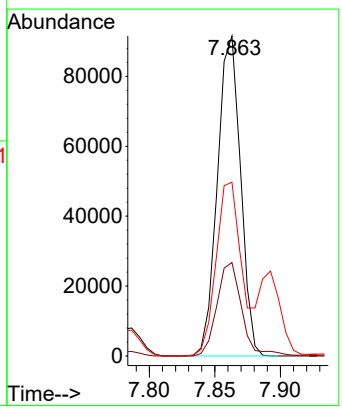


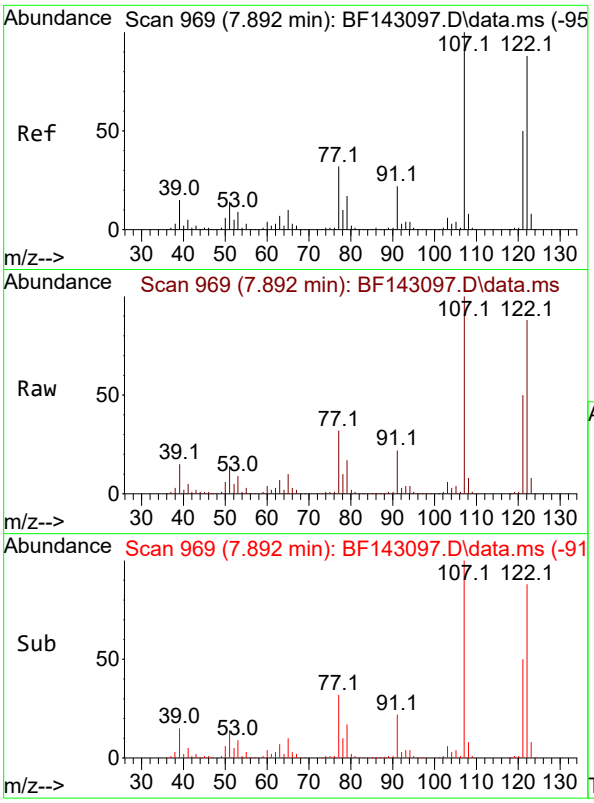




#26
2-Nitrophenol
Concen: 36.079 ng
RT: 7.863 min Scan# 964
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:139 Resp: 112314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 29.2 | 23.4 | 35.0 |
| 65 | 54.3 | 43.4 | 65.2 |

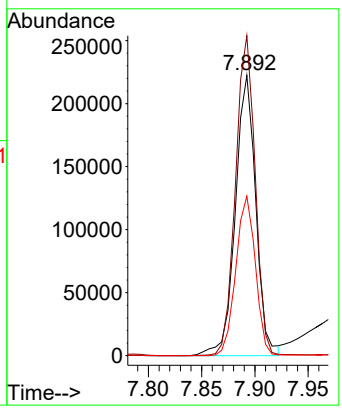





#27
2,4-Dimethylphenol
Concen: 39.984 ng
RT: 7.892 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:122 Resp: 29824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 114.1 | 91.3 | 136.9 |
| 121 | 56.9 | 45.5 | 68.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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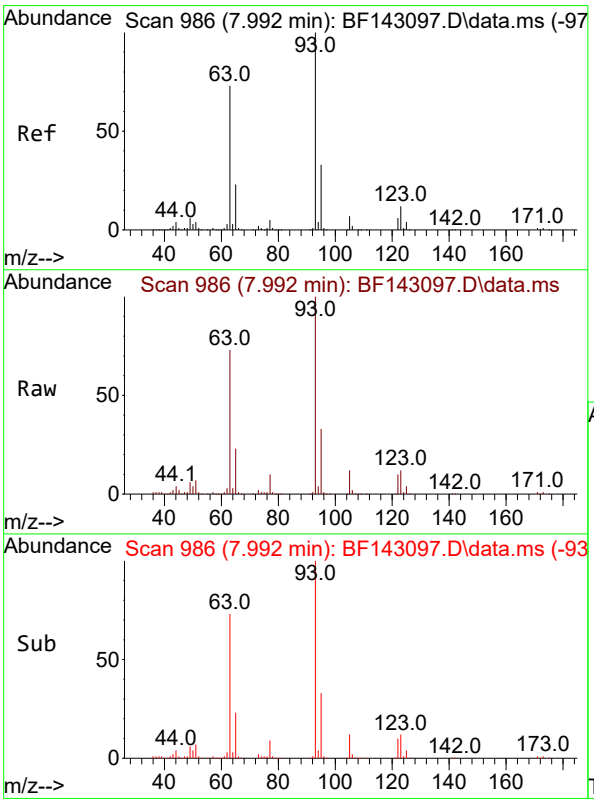
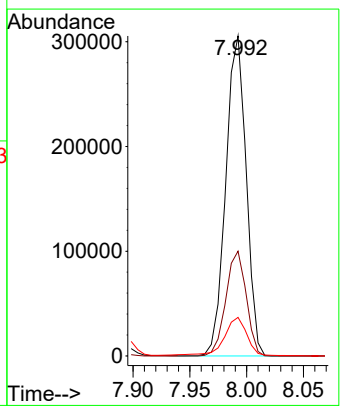
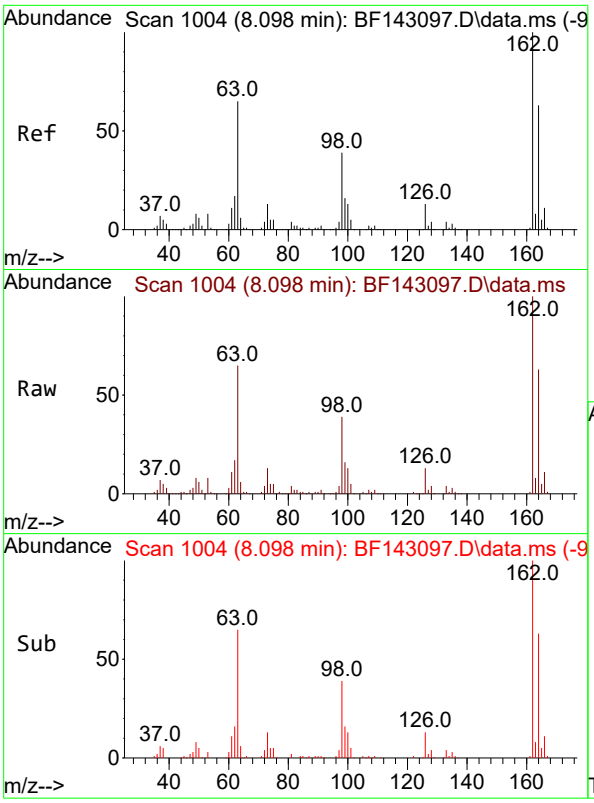



#28
bis(2-Chloroethoxy)methane
Concen: 39.155 ng
RT: 7.992 min Scan# 986
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 93 Resp: 381576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.8 | 26.2 | 39.4 |
| 123 | 12.0 | 9.6 | 14.4 |






#29
2,4-Dichlorophenol
Concen: 40.752 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:162 Resp: 24867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.1 | 43.1 | 83.1 |
| 98 | 39.2 | 19.2 | 59.2 |

**Instrument :**
BNA_F
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SSTDICCC040

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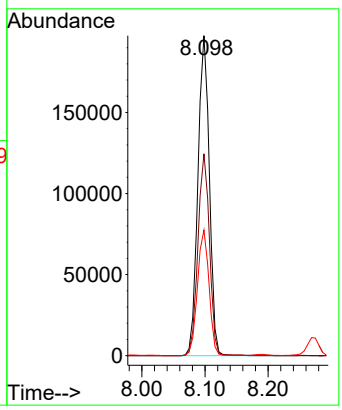
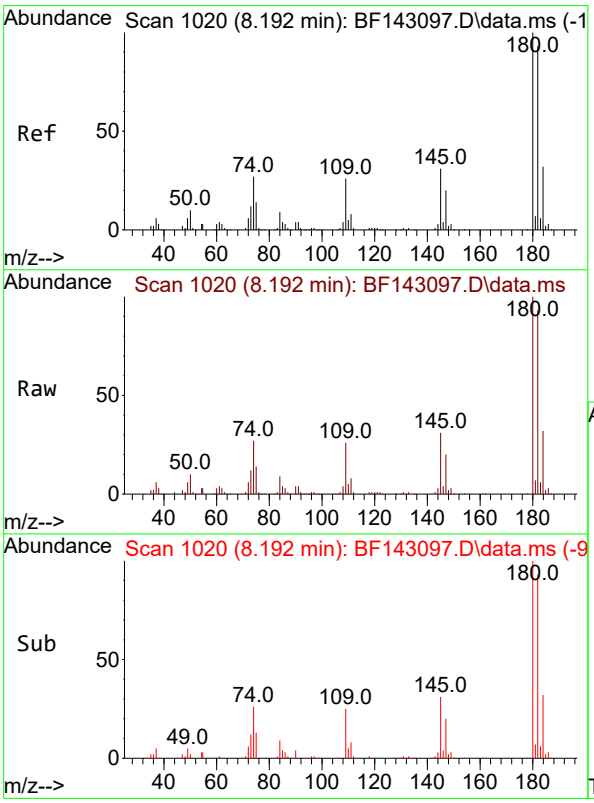
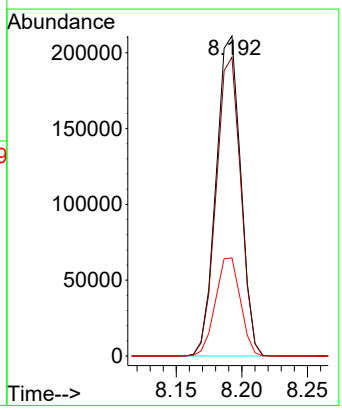


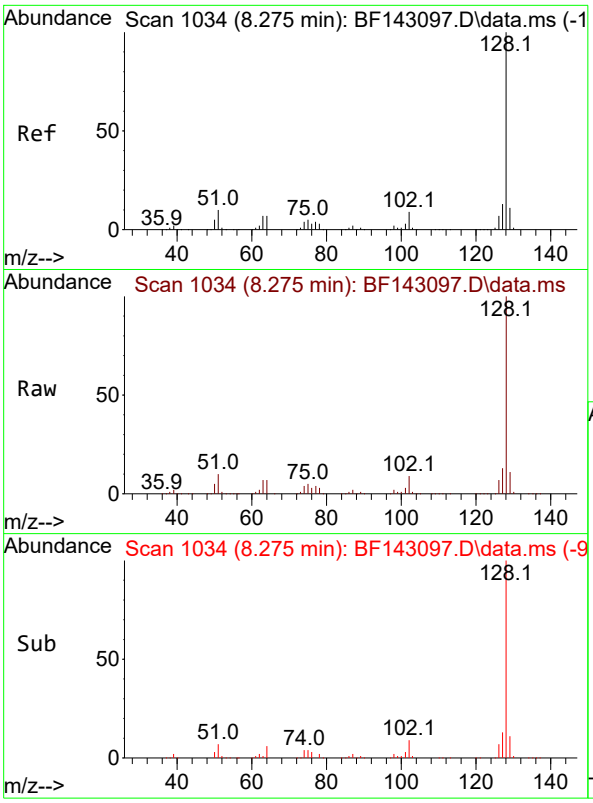




#30
1,2,4-Trichlorobenzene
Concen: 39.701 ng
RT: 8.192 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:180 Resp: 274944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.4 | 74.7 | 112.1 |
| 145 | 30.6 | 24.5 | 36.7 |

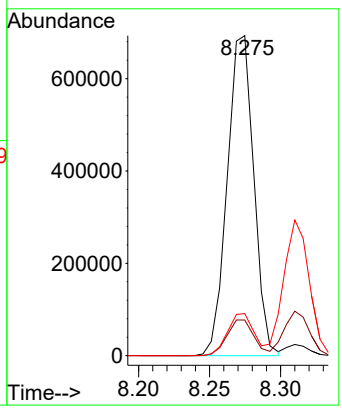





#31
Naphthalene
Concen: 38.898 ng
RT: 8.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:128 Resp: 90096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 9.0 | 13.4 |
| 127 | 13.1 | 10.5 | 15.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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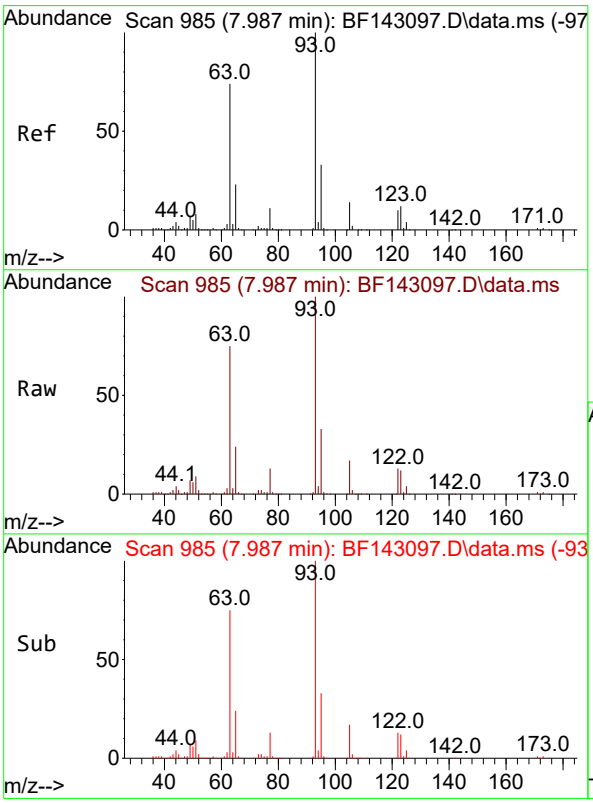
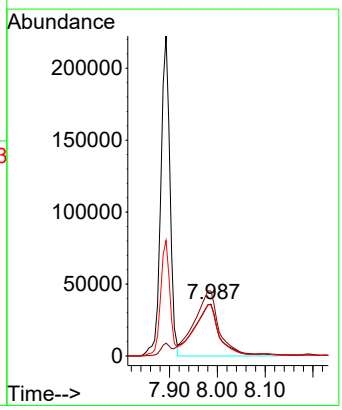
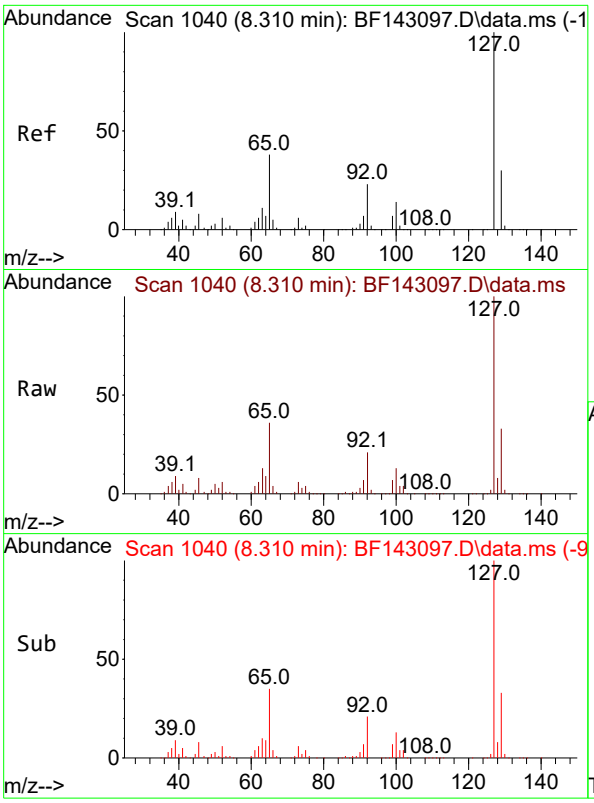



#32
Benzoic acid
Concen: 37.684 ng m
RT: 7.987 min Scan# 985
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:122 Resp: 133968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 125.4 | 105.4 | 145.4 |
| 77 | 98.6 | 78.6 | 118.6 |

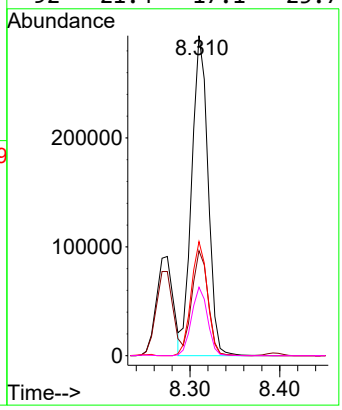





#33
4-Chloroaniline
Concen: 39.858 ng
RT: 8.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:127 Resp: 37124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.8 | 26.2 | 39.4 |
| 65 | 35.7 | 28.6 | 42.8 |
| 92 | 21.4 | 17.1 | 25.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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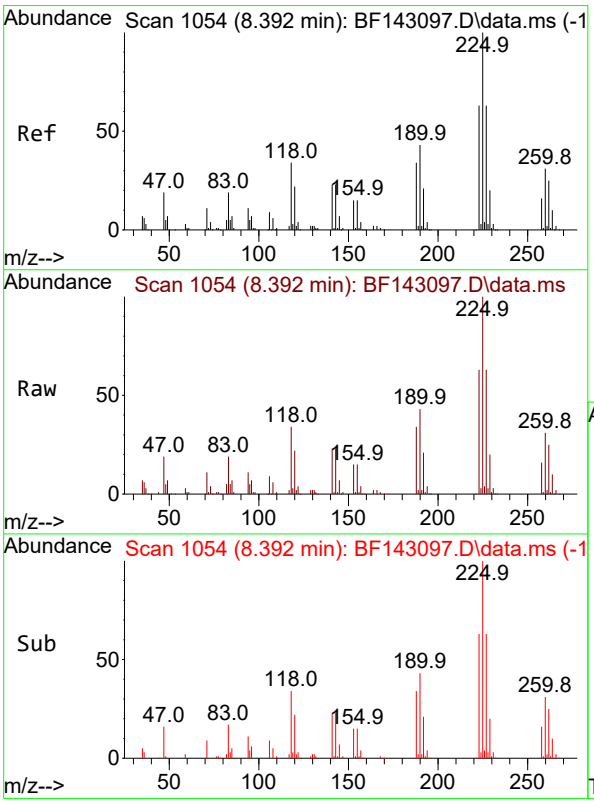
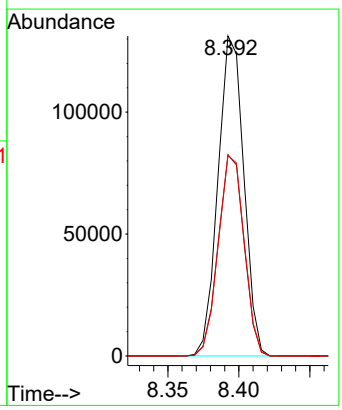
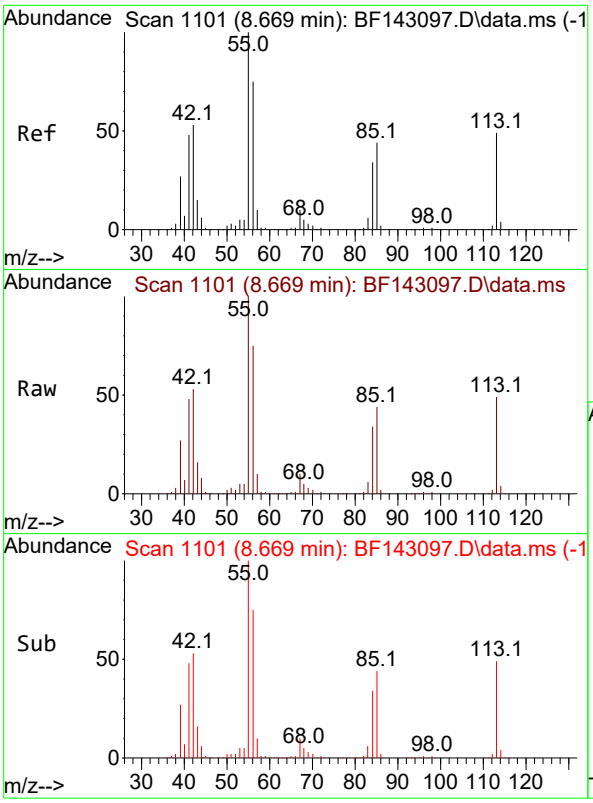



#34
Hexachlorobutadiene
Concen: 39.978 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:225 Resp: 165576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.9 | 50.3 | 75.5 |
| 227 | 62.6 | 50.1 | 75.1 |






#35
Caprolactam
Concen: 40.657 ng
RT: 8.669 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:113 Resp: 7747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 206.2 | 186.2 | 226.2 |
| 56 | 154.1 | 134.1 | 174.1 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

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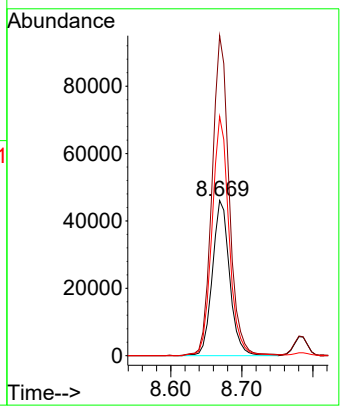
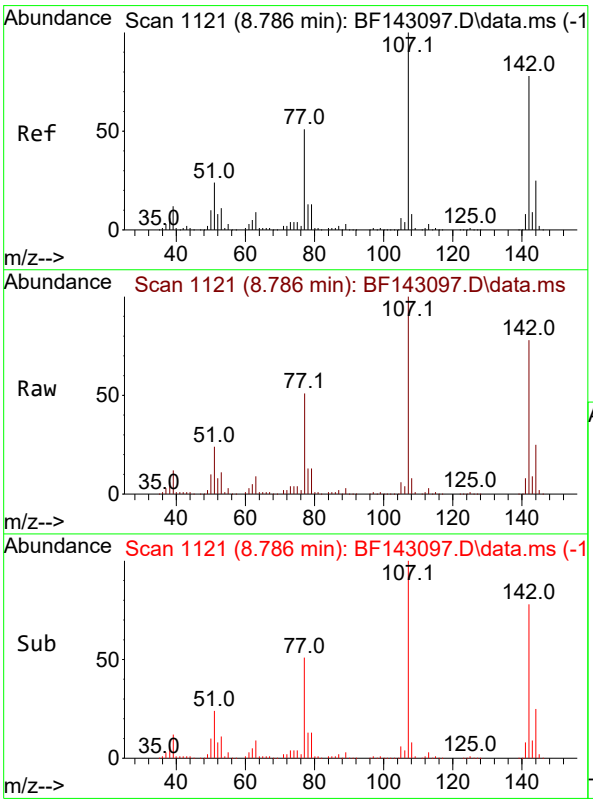
Supervised By :Jagrut Upadhyay 07/16/2025

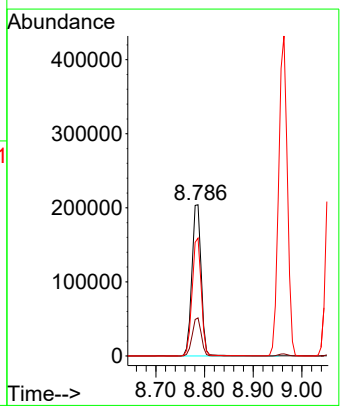


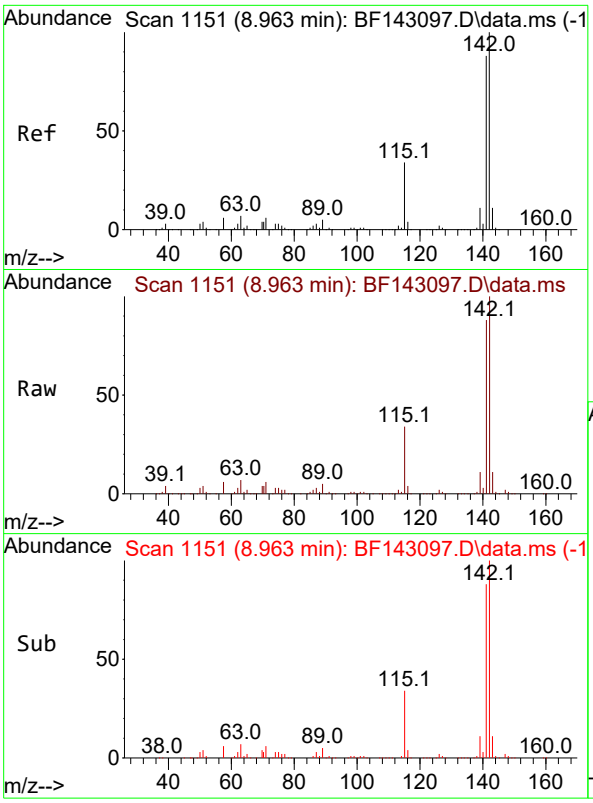




#36
4-Chloro-3-methylphenol
Concen: 40.145 ng
RT: 8.786 min Scan# 1121
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:107 Resp: 272885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.2 | 20.2 | 30.2 |
| 142 | 78.0 | 62.4 | 93.6 |






#37
2-Methylnaphthalene
Concen: 39.141 ng
RT: 8.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:142 Resp: 54084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.7 | 70.2 | 105.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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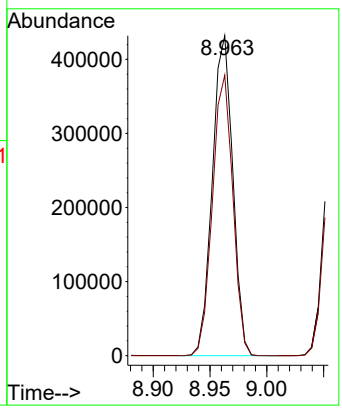
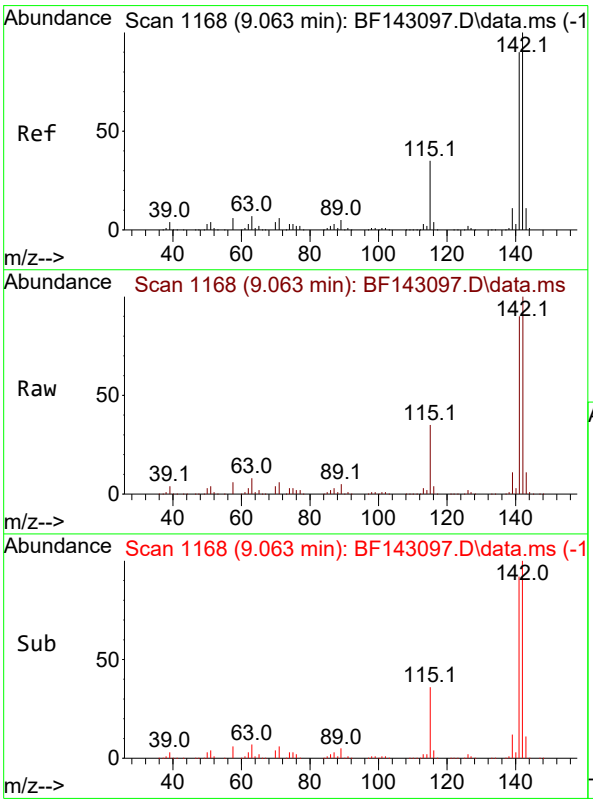
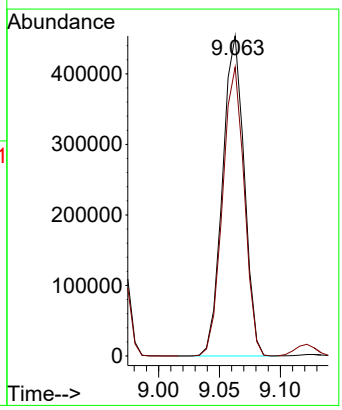


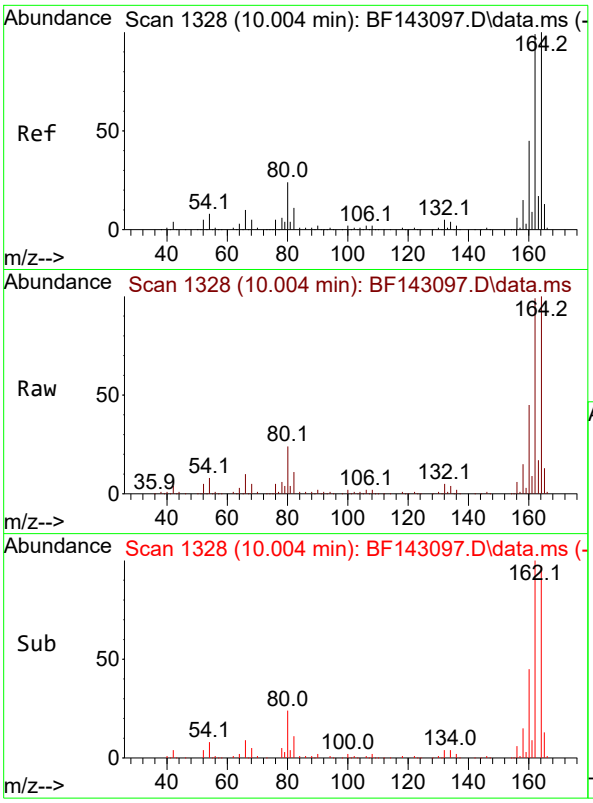




#38
1-Methylnaphthalene
Concen: 39.263 ng
RT: 9.063 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:142 Resp: 562696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.3 | 72.2 | 108.4 |






#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:164 Resp: 22773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.8 | 79.0 | 118.6 |
| 160 | 44.7 | 35.8 | 53.6 |

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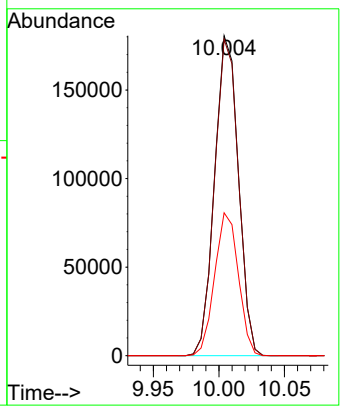
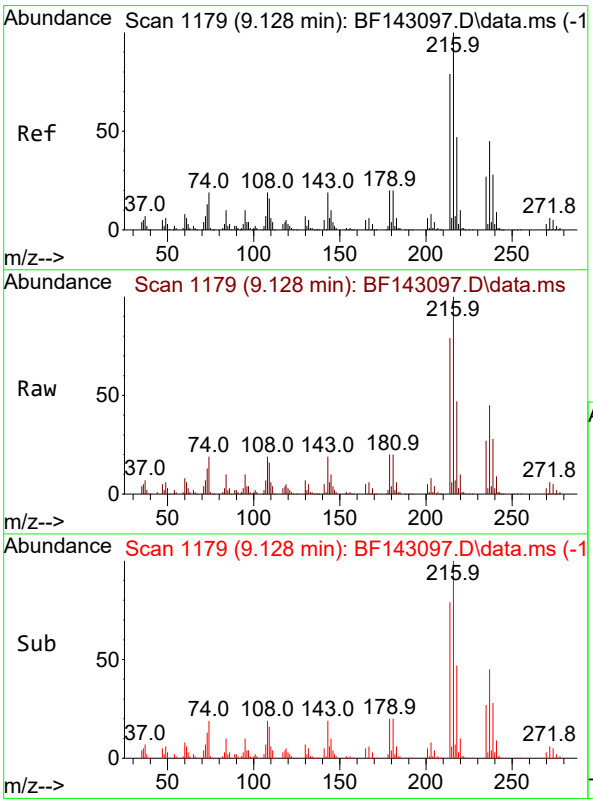
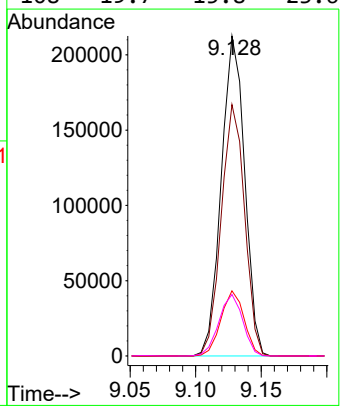


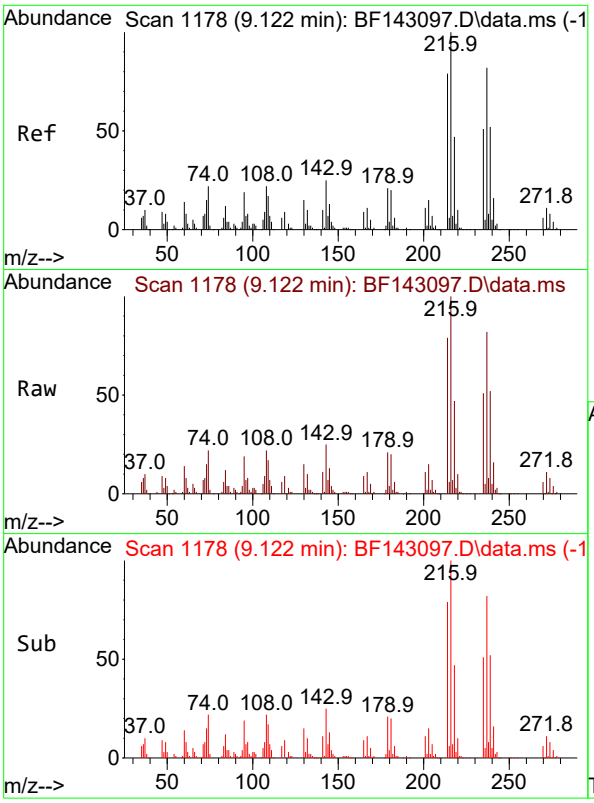




#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.653 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:216 Resp: 263160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.3 | 62.6 | 94.0 |
| 179 | 20.2 | 16.2 | 24.2 |
| 108 | 19.7 | 15.8 | 23.6 |

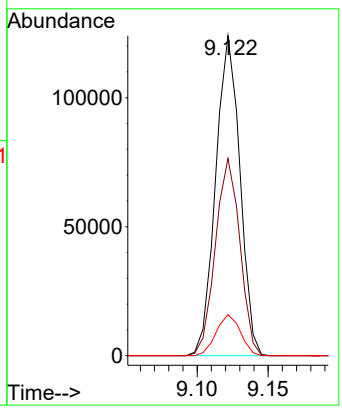





#41
Hexachlorocyclopentadiene
Concen: 40.011 ng
RT: 9.122 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:237 Resp: 14722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.6 | 41.6 | 81.6 |
| 272 | 12.9 | 0.0 | 32.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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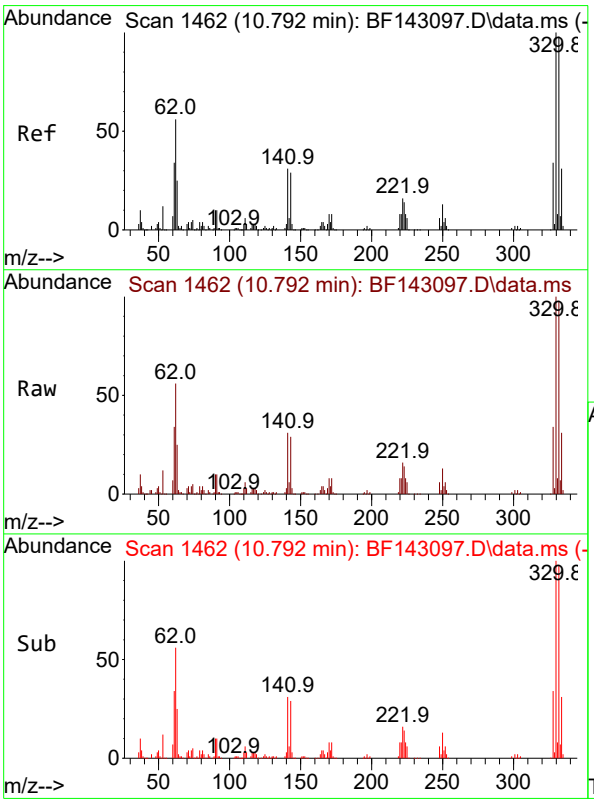
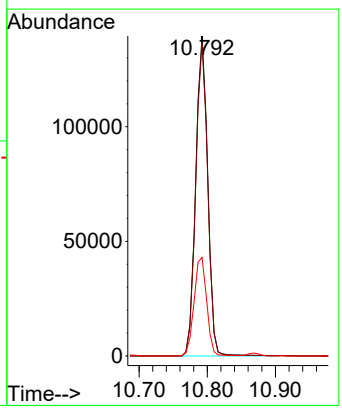
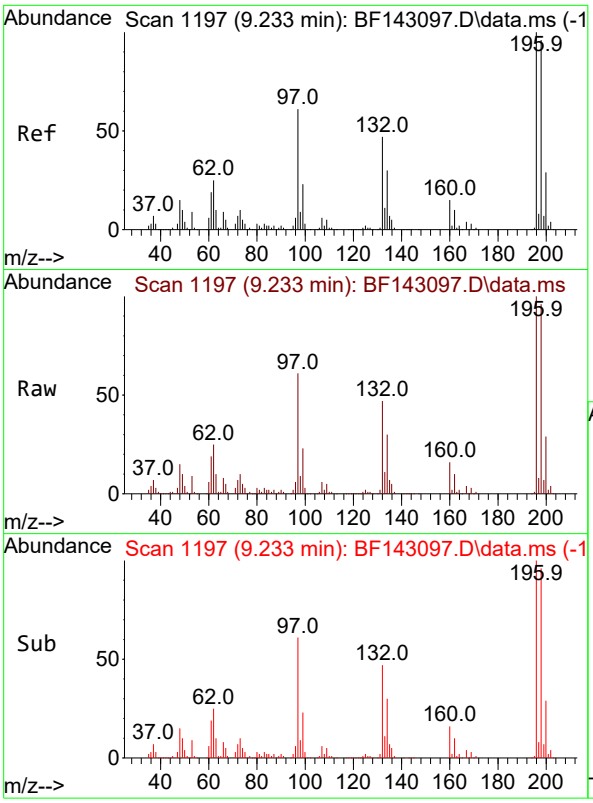



#42
2,4,6-Tribromophenol
Concen: 84.198 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:330 Resp: 170969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.4 | 77.9 | 116.9 |
| 141 | 32.4 | 25.9 | 38.9 |

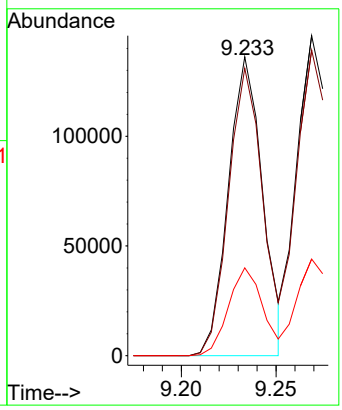





#43
2,4,6-Trichlorophenol
Concen: 41.569 ng
RT: 9.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:196 Resp: 17141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.1 | 76.9 | 115.3 |
| 200 | 29.4 | 23.5 | 35.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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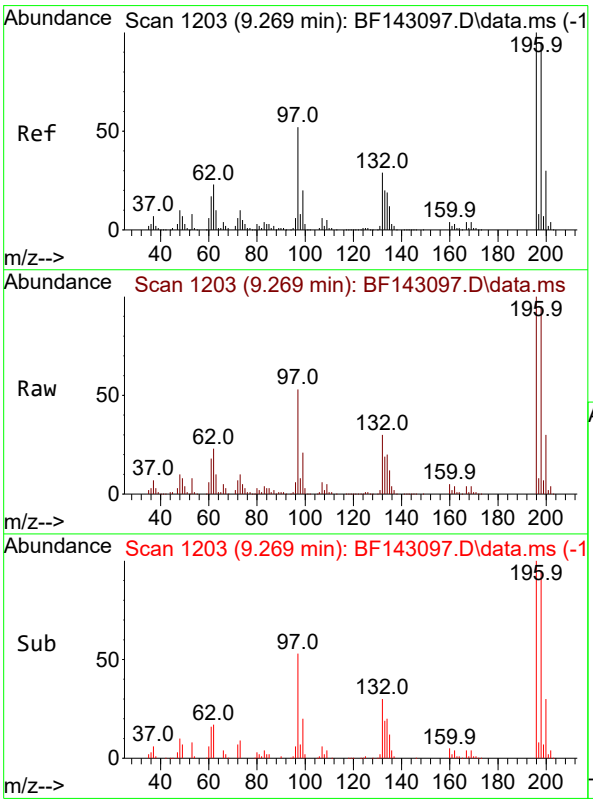
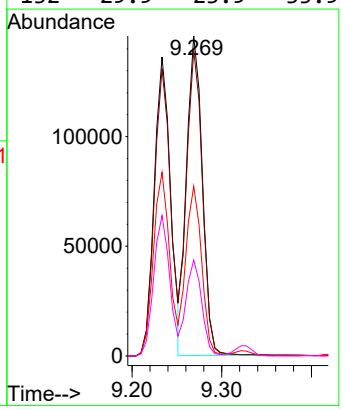
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

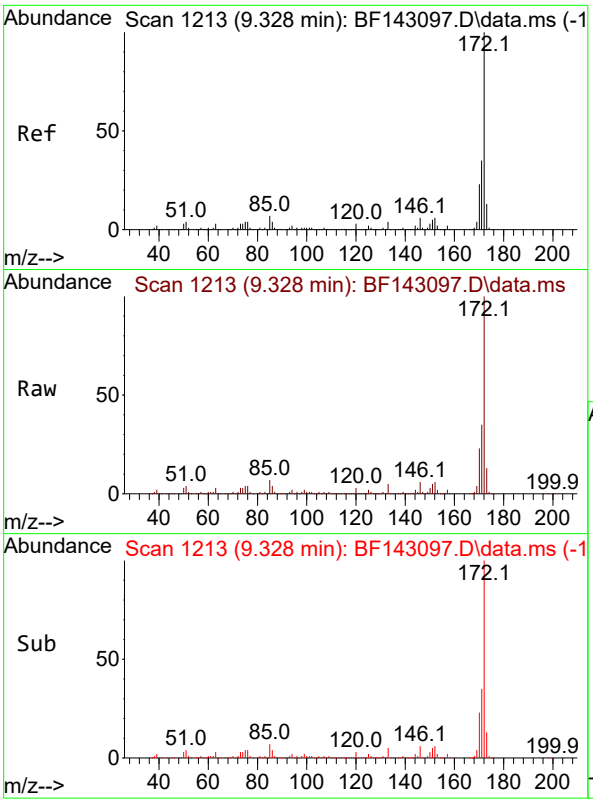



#44
2,4,5-Trichlorophenol
Concen: 41.422 ng
RT: 9.269 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:196 Resp: 179101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.5 | 76.4 | 114.6 |
| 97 | 53.0 | 42.4 | 63.6 |
| 132 | 29.9 | 23.9 | 35.9 |

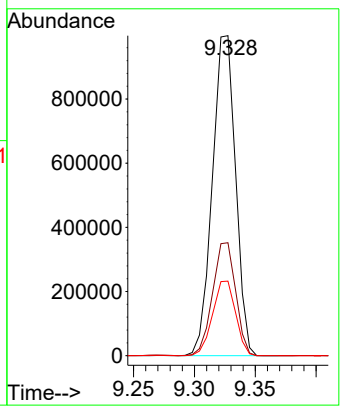





#45
2-Fluorobiphenyl
Concen: 77.428 ng
RT: 9.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:172 Resp: 132648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 28.2 | 42.4 |
| 170 | 23.3 | 18.6 | 28.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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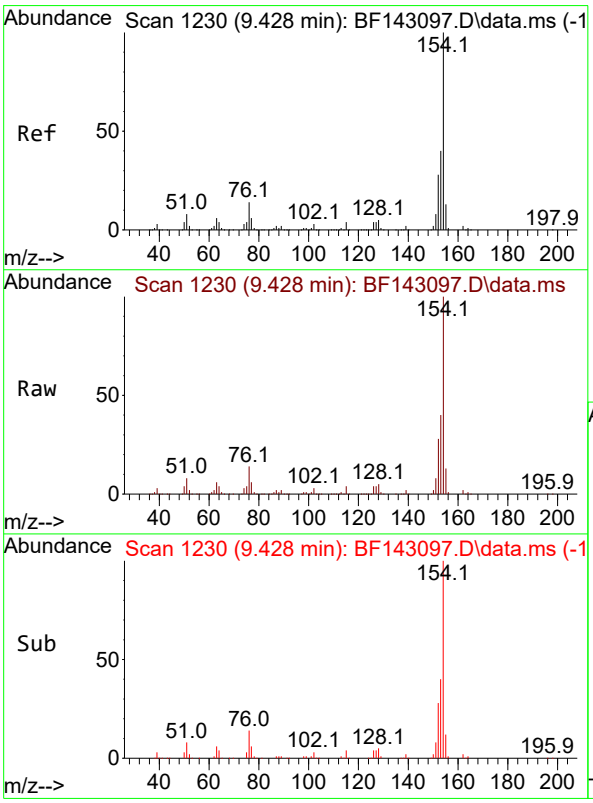
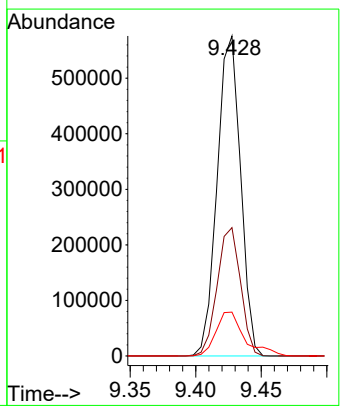
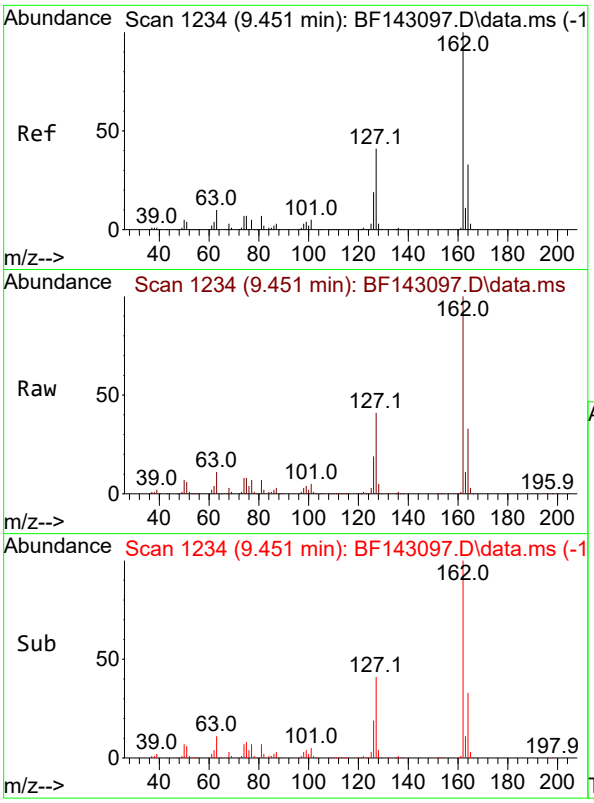



#46
1,1'-Biphenyl
Concen: 39.288 ng
RT: 9.428 min Scan# 1230
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:154 Resp: 713513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.1 | 20.1 | 60.1 |
| 76 | 13.7 | 0.0 | 33.7 |

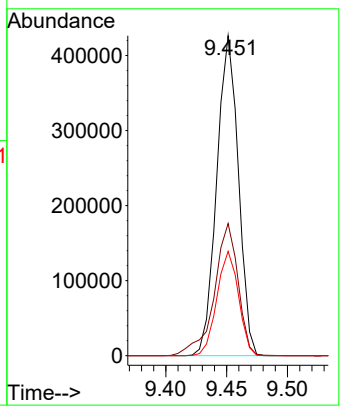





#47
2-Chloronaphthalene
Concen: 39.561 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:162 Resp: 52780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.3 | 33.0 | 49.6 |
| 164 | 32.6 | 26.1 | 39.1 |




**Instrument :**
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SSTDICCC040

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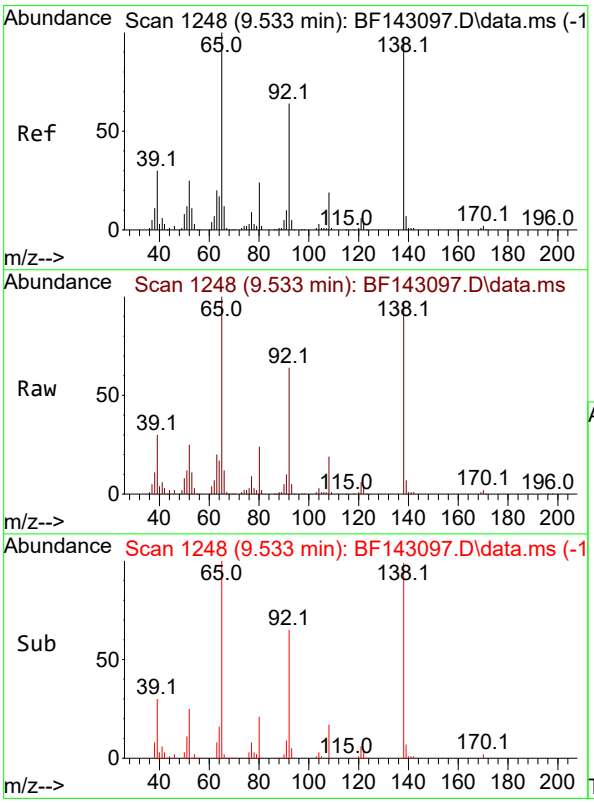
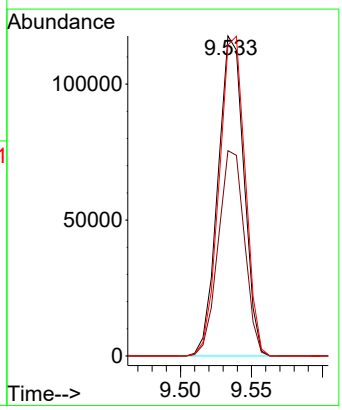
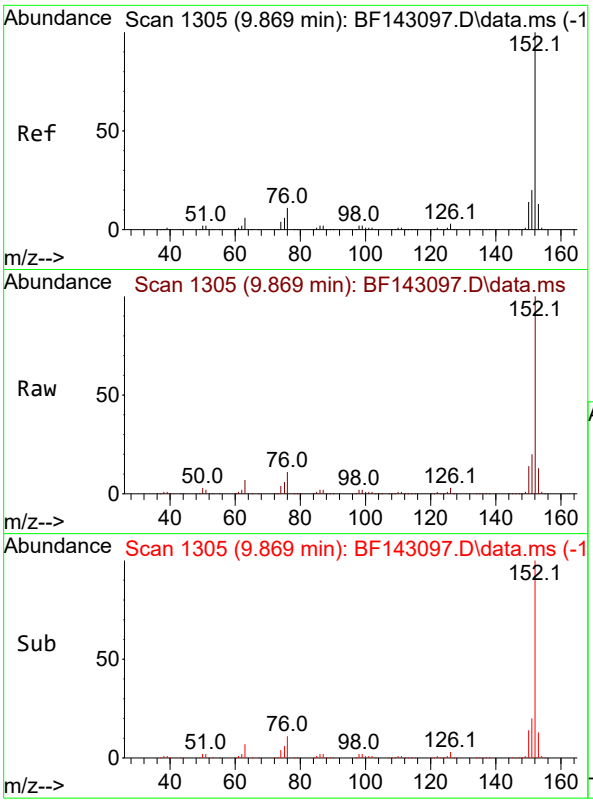



#48
2-Nitroaniline
Concen: 38.182 ng
RT: 9.533 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 65 Resp: 149322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 64.1 | 51.3 | 76.9 |
| 138 | 97.2 | 77.8 | 116.6 |

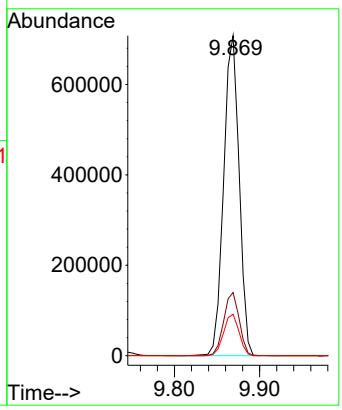





#49
Acenaphthylene
Concen: 40.126 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:152 Resp: 89205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 15.8 | 23.8 |
| 153 | 13.0 | 10.4 | 15.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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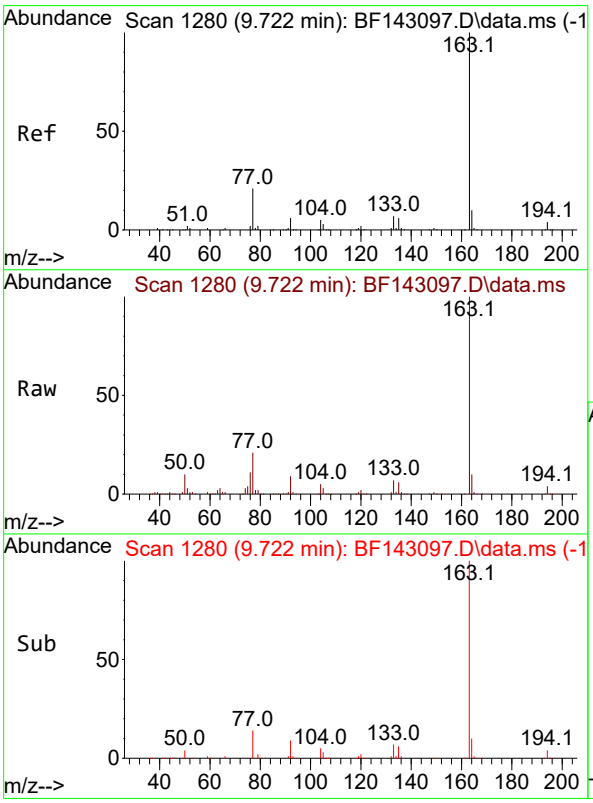
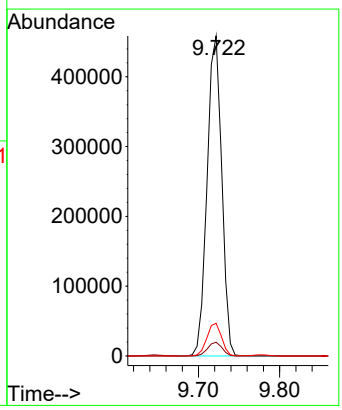
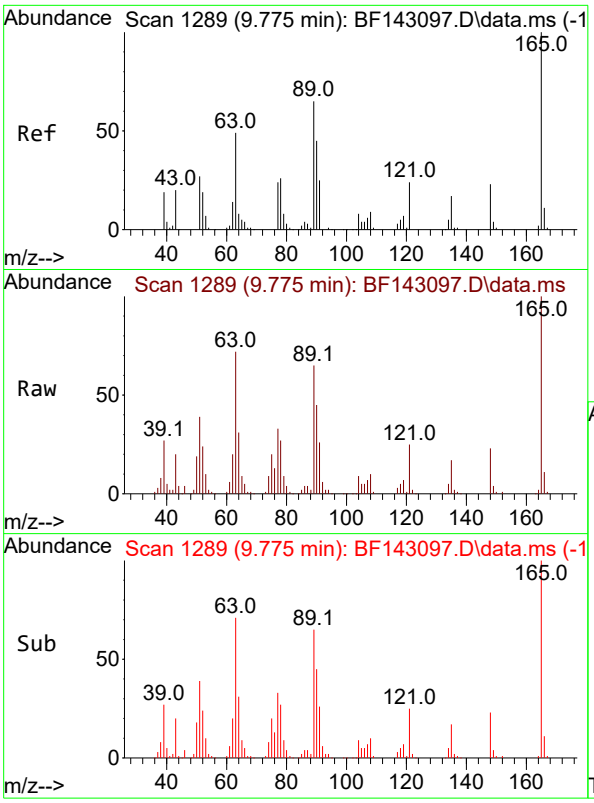



#50
Dimethylphthalate
Concen: 39.971 ng
RT: 9.722 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:163 Resp: 572658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.4 | 5.2 |
| 164 | 10.2 | 8.2 | 12.2 |






#51
2,6-Dinitrotoluene
Concen: 38.213 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:165 Resp: 10646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 71.7 | 57.4 | 86.0 |
| 89 | 64.8 | 51.8 | 77.8 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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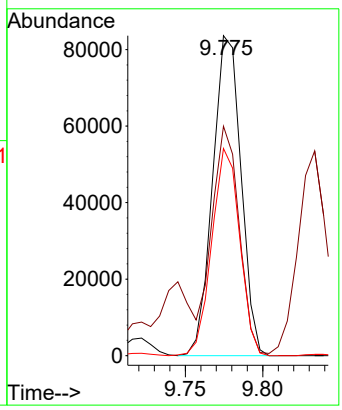
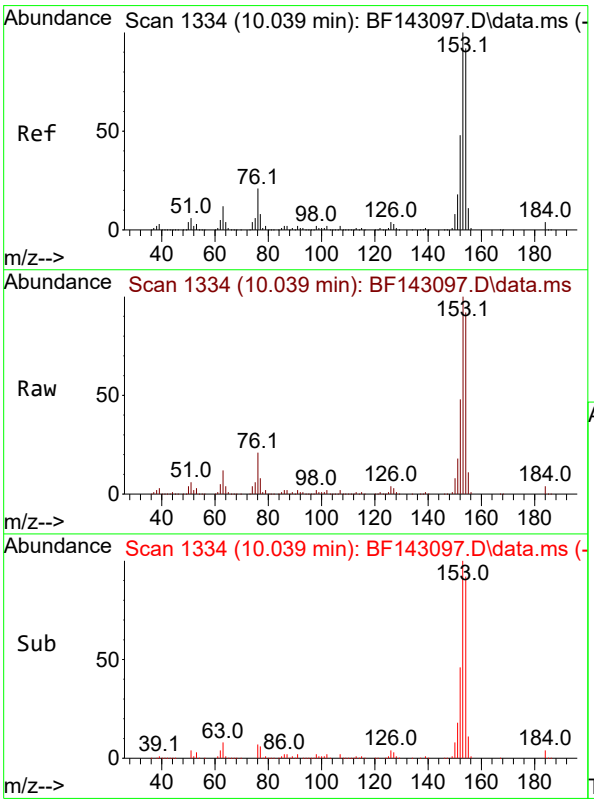
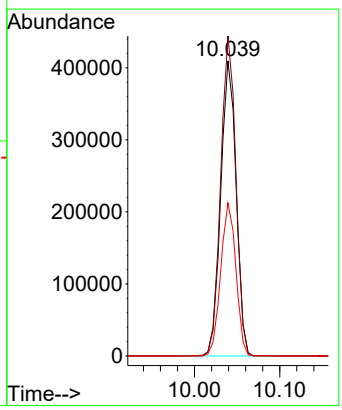


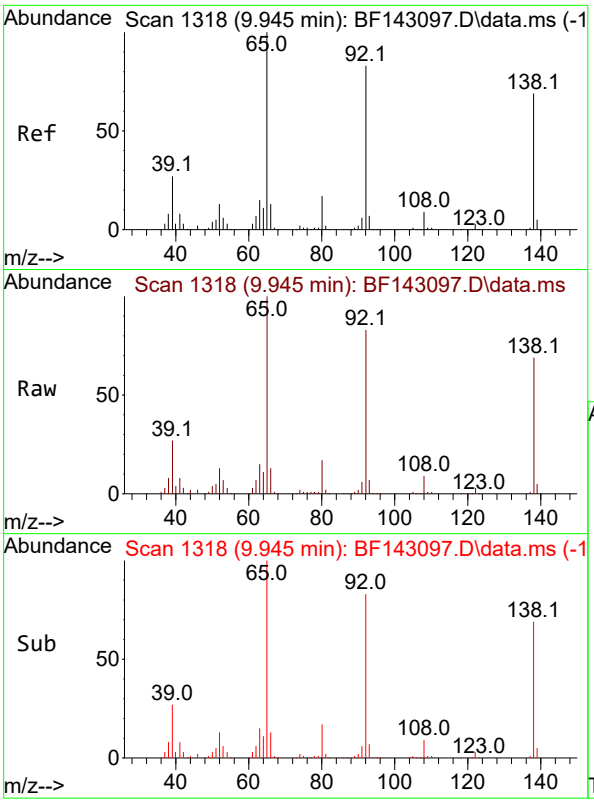




#52
Acenaphthene
Concen: 39.131 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:154 Resp: 513370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 108.4 | 86.7 | 130.1 |
| 152 | 51.8 | 41.4 | 62.2 |






#53
3-Nitroaniline
Concen: 42.301 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:138 Resp: 13095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 12.6 | 10.1 | 15.1 |
| 92 | 120.5 | 96.4 | 144.6 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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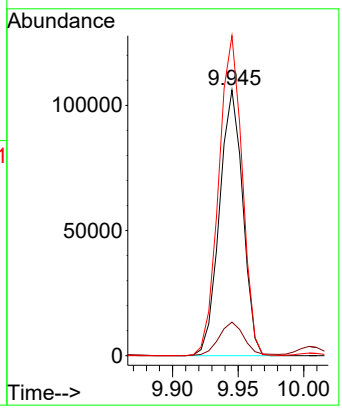
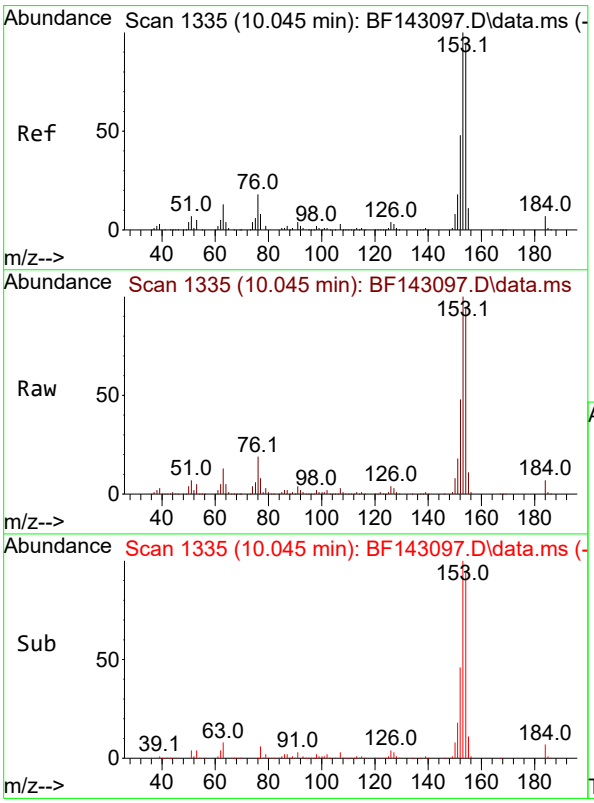
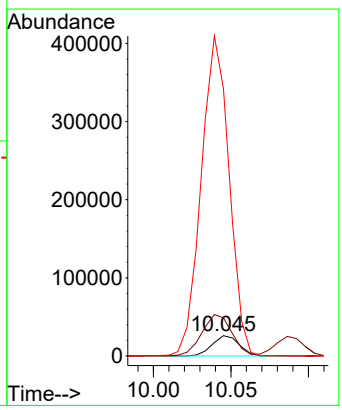


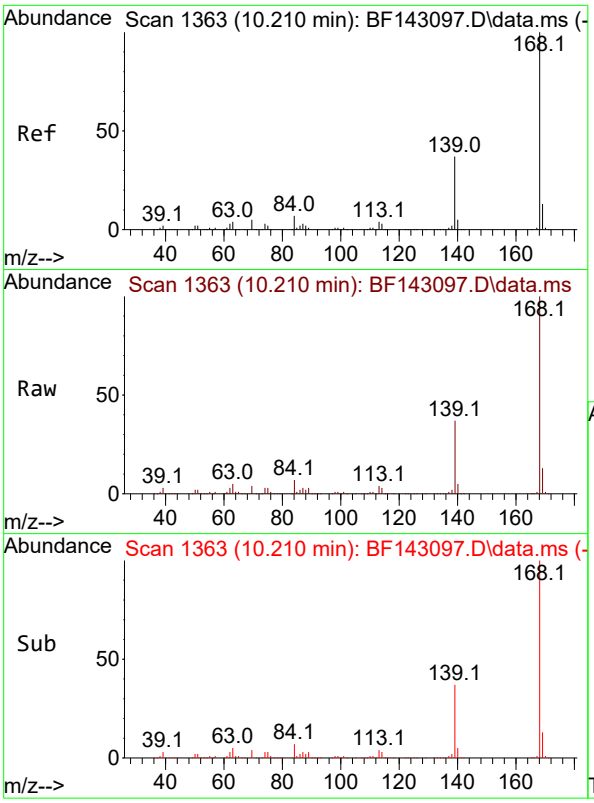




#54
2,4-Dinitrophenol
Concen: 37.582 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:184 Resp: 31236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 186.6 | 149.3 | 223.9 |
| 154 | 1310.0 | 1048.0 | 1572.0 |

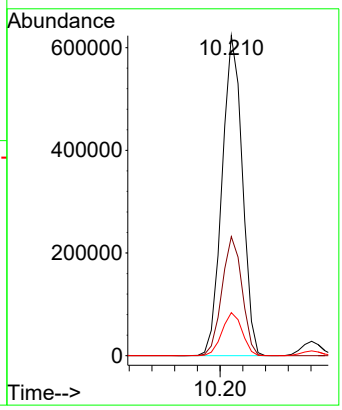





#55
Dibenzofuran
Concen: 39.524 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:168 Resp: 77286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.2 | 29.8 | 44.6 |
| 169 | 13.5 | 10.8 | 16.2 |




**Instrument :**
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SSTDICCC040

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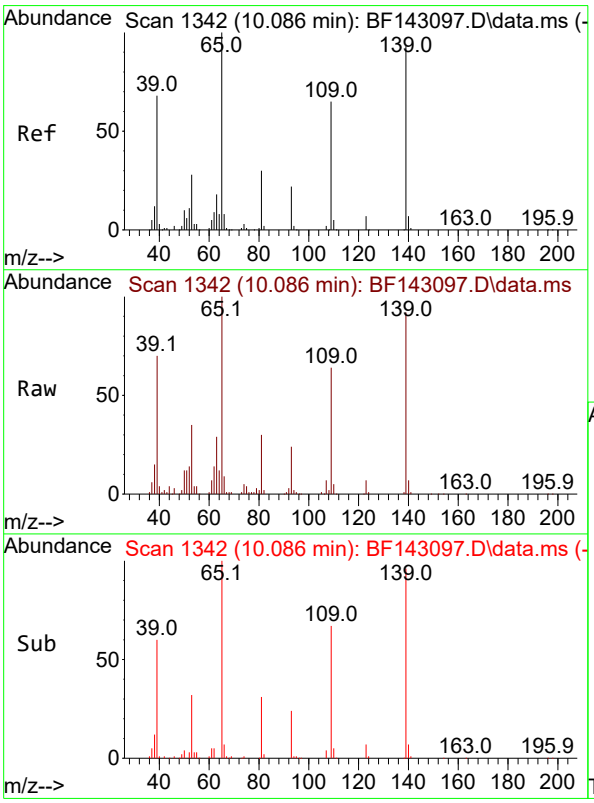
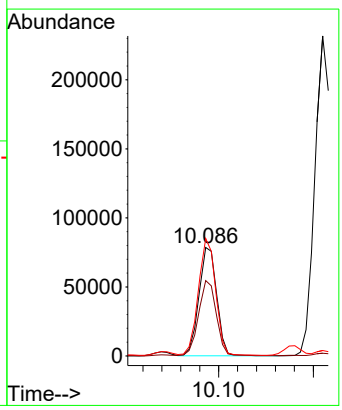
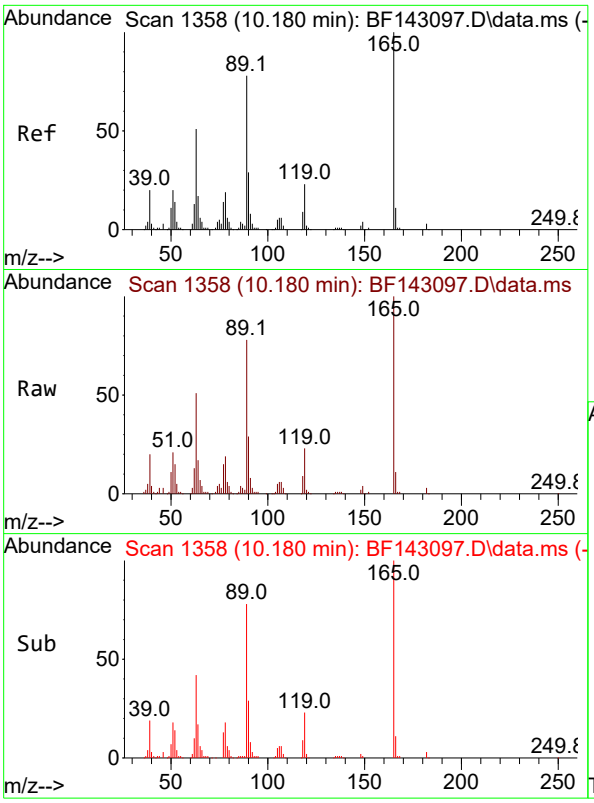



#56
4-Nitrophenol
Concen: 41.436 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:139 Resp: 101948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 69.4 | 49.4 | 89.4 |
| 65 | 108.2 | 88.2 | 128.2 |

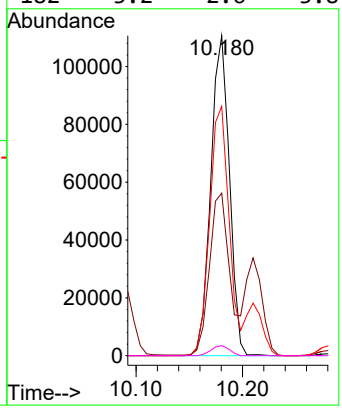





#57
2,4-Dinitrotoluene
Concen: 38.682 ng
RT: 10.180 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:165 Resp: 13424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 50.8 | 40.6 | 61.0 |
| 89 | 77.9 | 62.3 | 93.5 |
| 182 | 3.2 | 2.6 | 3.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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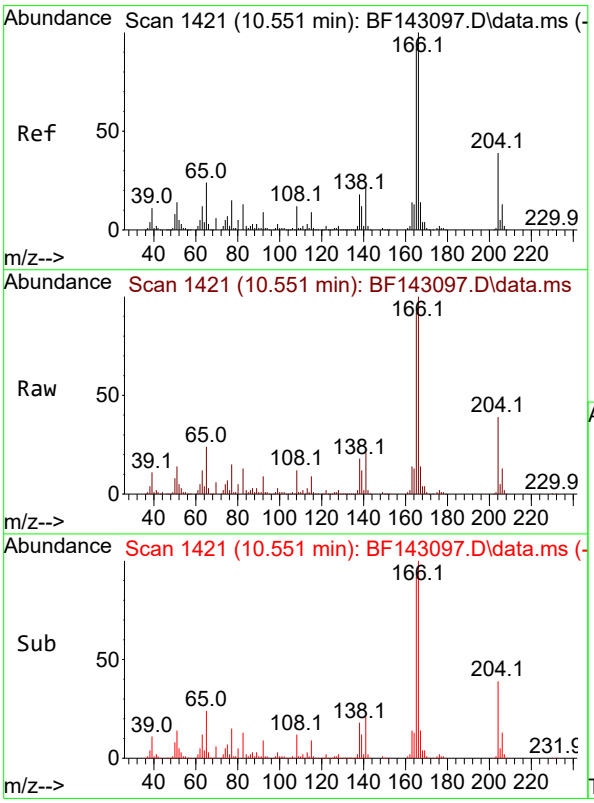
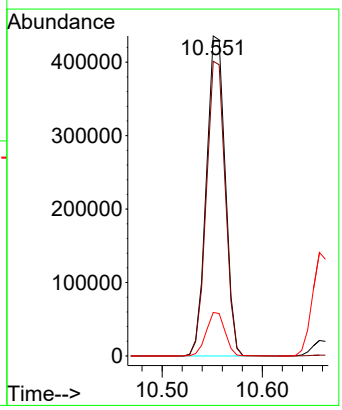
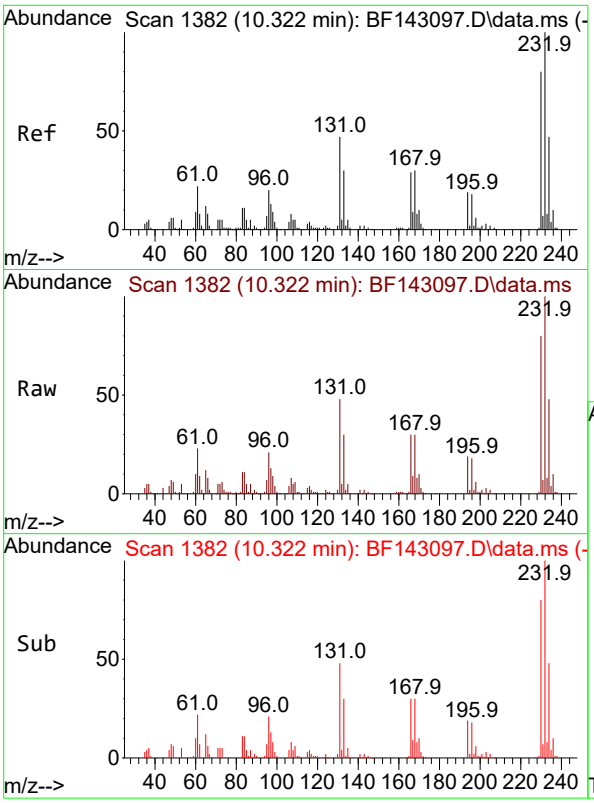



#58
Fluorene
Concen: 38.710 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:166 Resp: 567511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 92.1 | 73.7 | 110.5 |
| 167 | 13.6 | 10.9 | 16.3 |

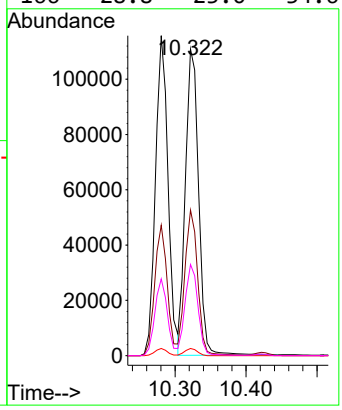





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.334 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:232 Resp: 14202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.1 | 36.9 | 55.3 |
| 130 | 2.3 | 1.8 | 2.8 |
| 166 | 28.8 | 23.0 | 34.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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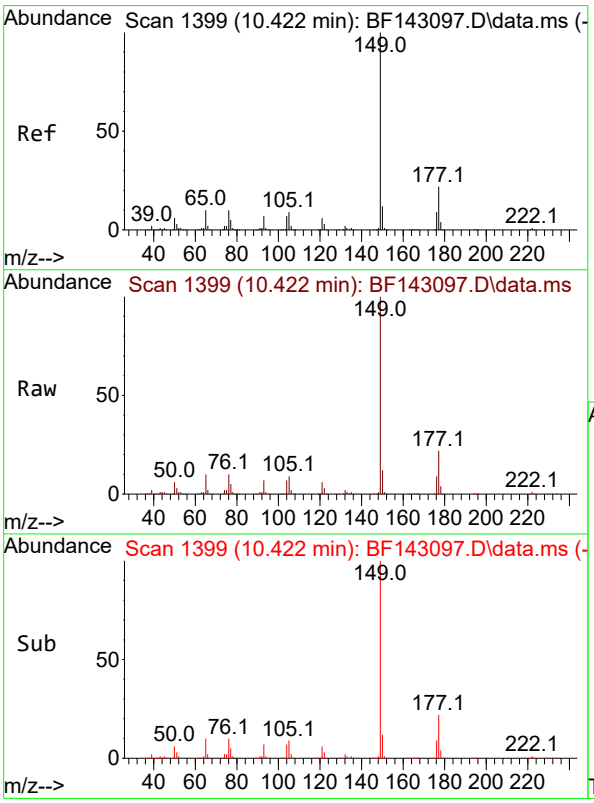
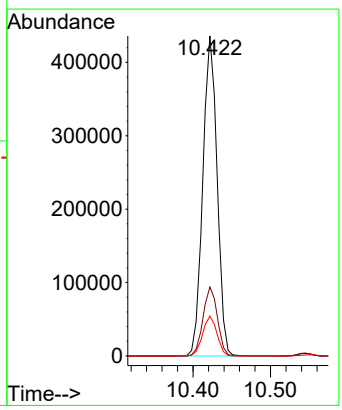
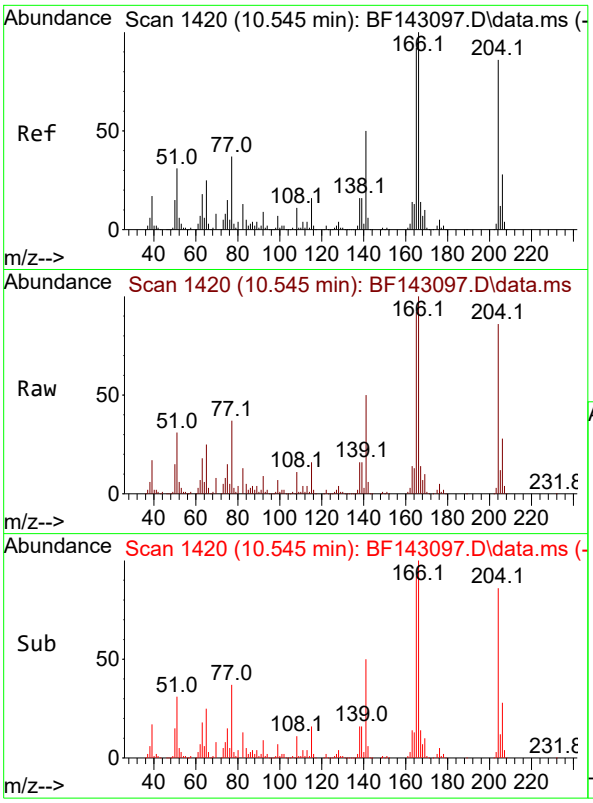



#60
Diethylphthalate
Concen: 40.349 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:149 Resp: 557712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.6 | 17.3 | 25.9 |
| 150 | 12.4 | 9.9 | 14.9 |

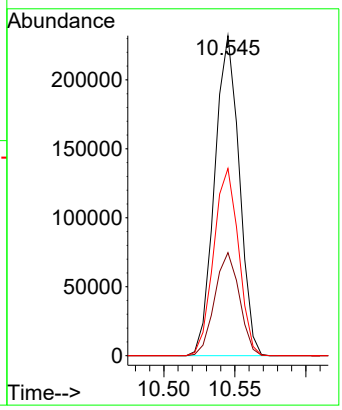





#61
4-Chlorophenyl-phenylether
Concen: 39.822 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:204 Resp: 27981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.2 | 25.8 | 38.6 |
| 141 | 58.5 | 46.8 | 70.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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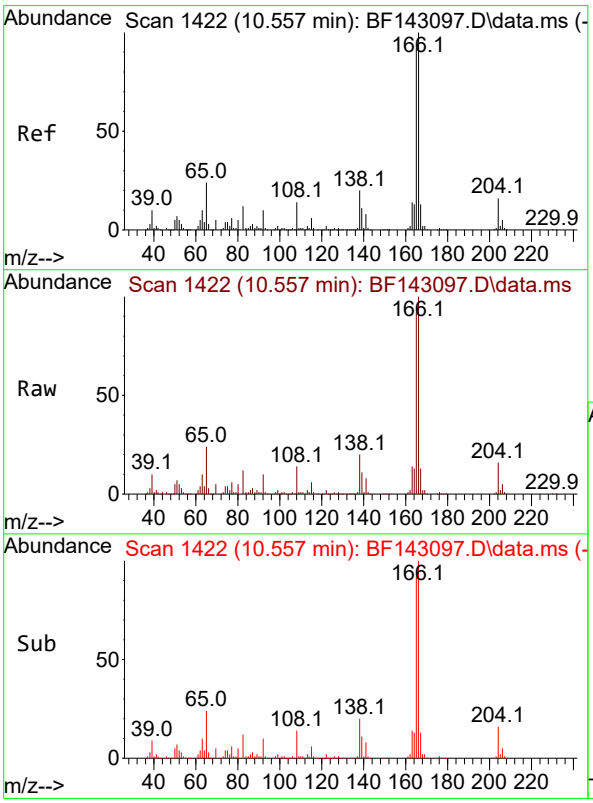
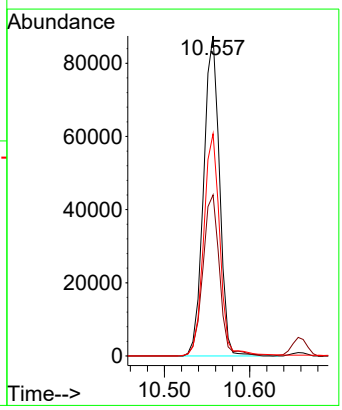
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

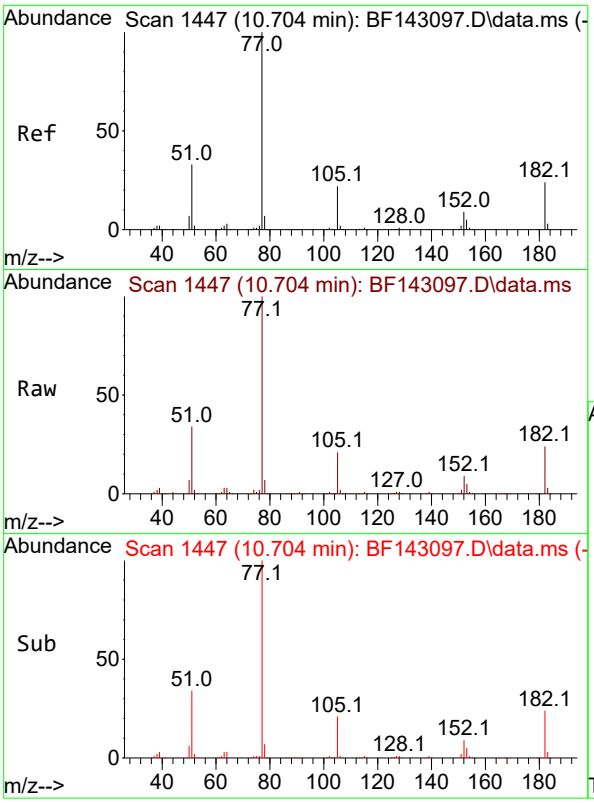



#62
4-Nitroaniline
Concen: 42.106 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:138 Resp: 113355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.4 | 30.4 | 70.4 |
| 108 | 69.5 | 49.5 | 89.5 |

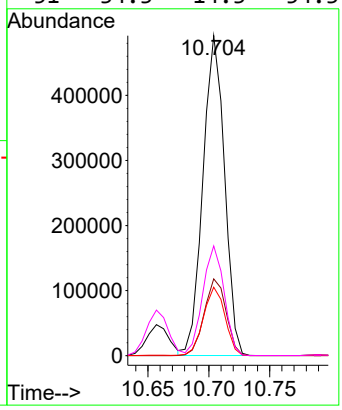





#63
Azobenzene
Concen: 39.558 ng
RT: 10.704 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 77 Resp: 60471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 24.0 | 4.0 | 44.0 |
| 105 | 21.4 | 1.4 | 41.4 |
| 51 | 34.3 | 14.3 | 54.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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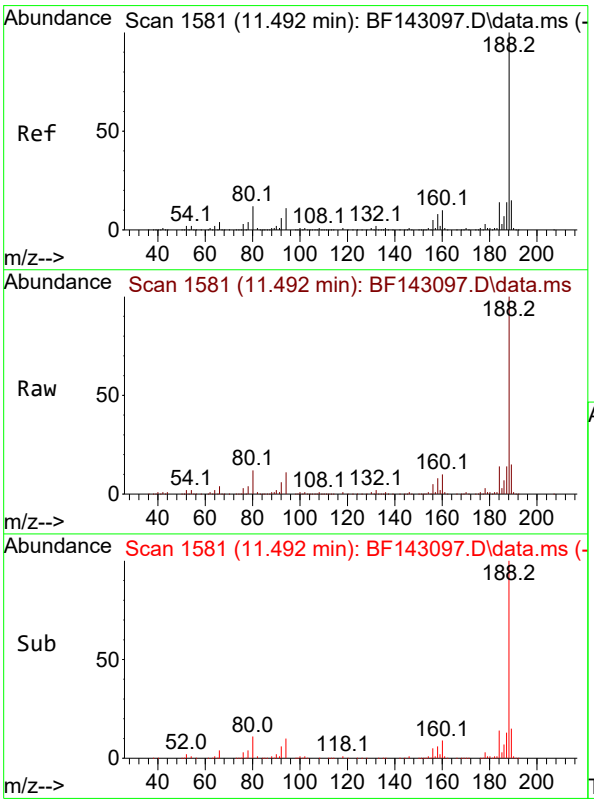
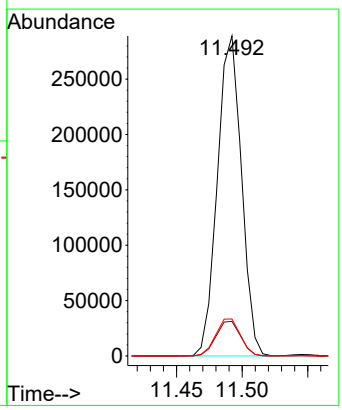
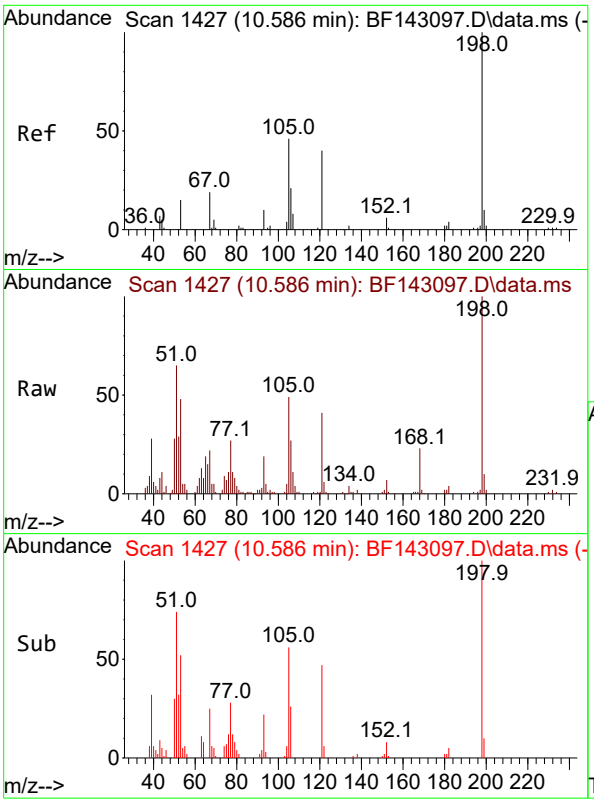



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:188 Resp: 369241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.8 | 8.6 | 13.0 |
| 80 | 11.6 | 9.3 | 13.9 |

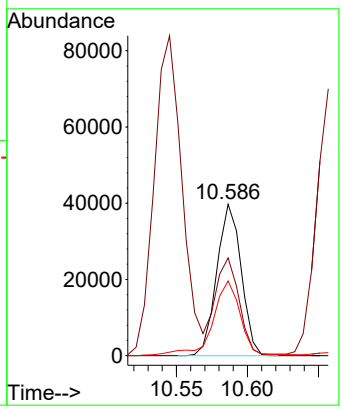





#65
4,6-Dinitro-2-methylphenol
Concen: 37.223 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:198 Resp: 4734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 64.6 | 44.6 | 84.6 |
| 105 | 49.3 | 29.3 | 69.3 |




**Instrument :**
BNA_F
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SSTDICCC040

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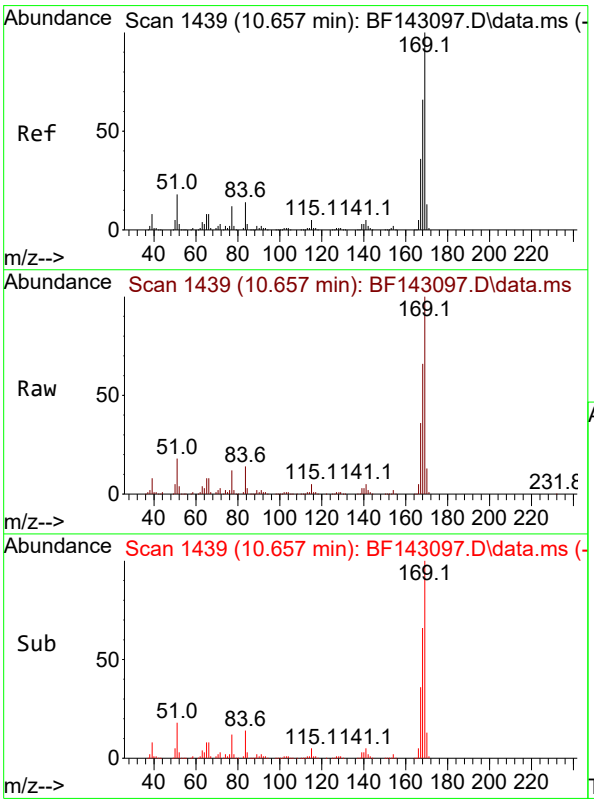
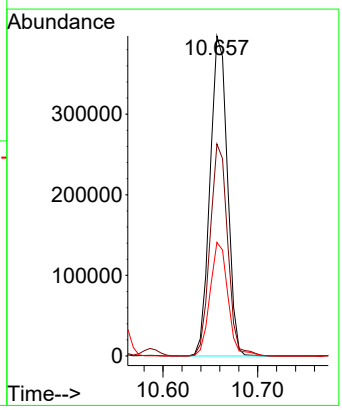
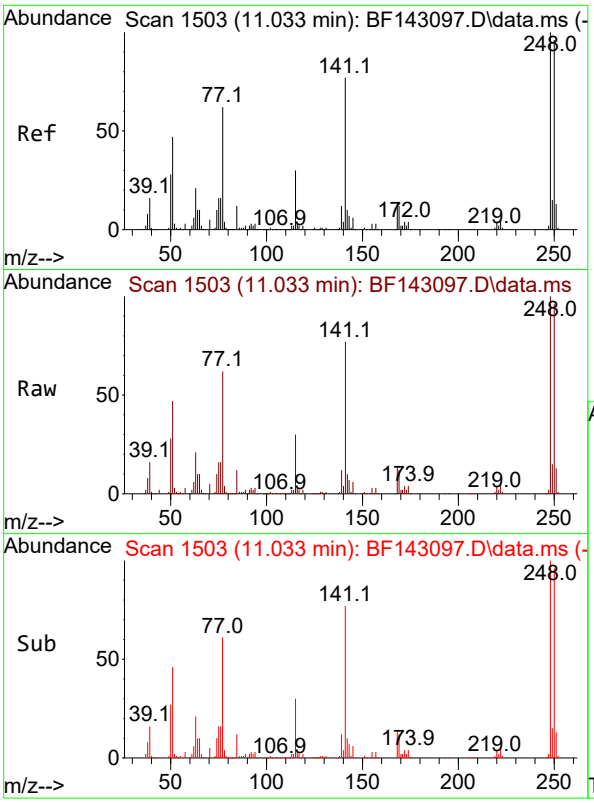



#66
n-Nitrosodiphenylamine
Concen: 38.827 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:169 Resp: 503590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.3 | 53.0 | 79.6 |
| 167 | 35.5 | 28.4 | 42.6 |

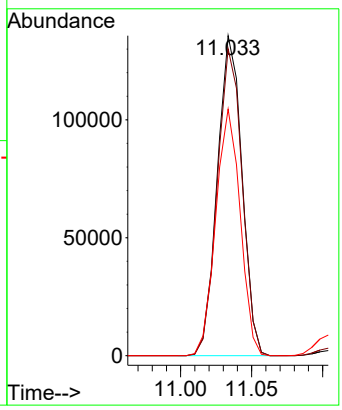





#67
4-Bromophenyl-phenylether
Concen: 39.088 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:248 Resp: 16413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 95.9 | 76.7 | 115.1 |
| 141 | 77.1 | 61.7 | 92.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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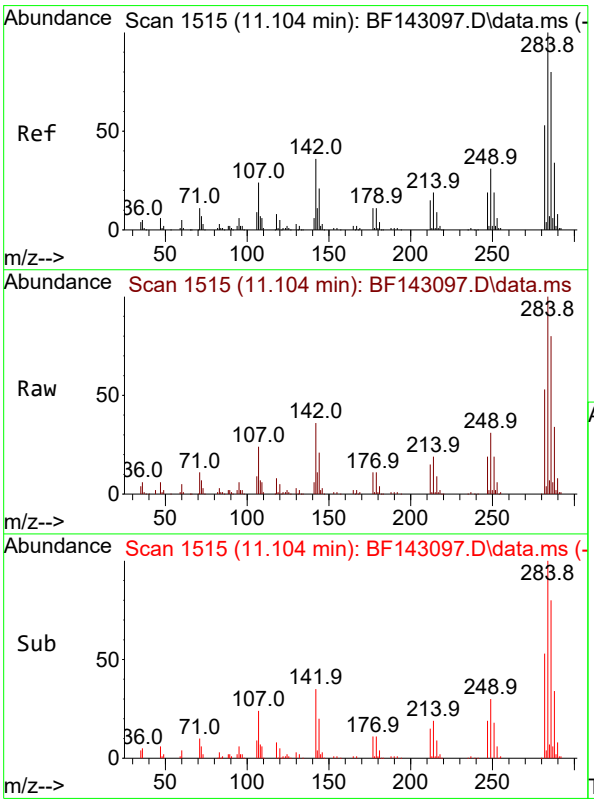
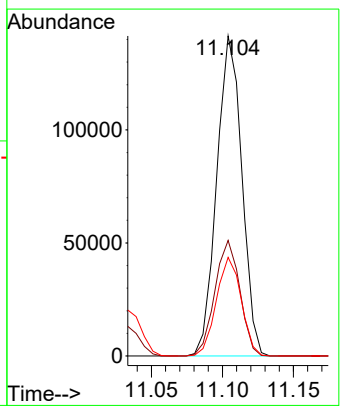
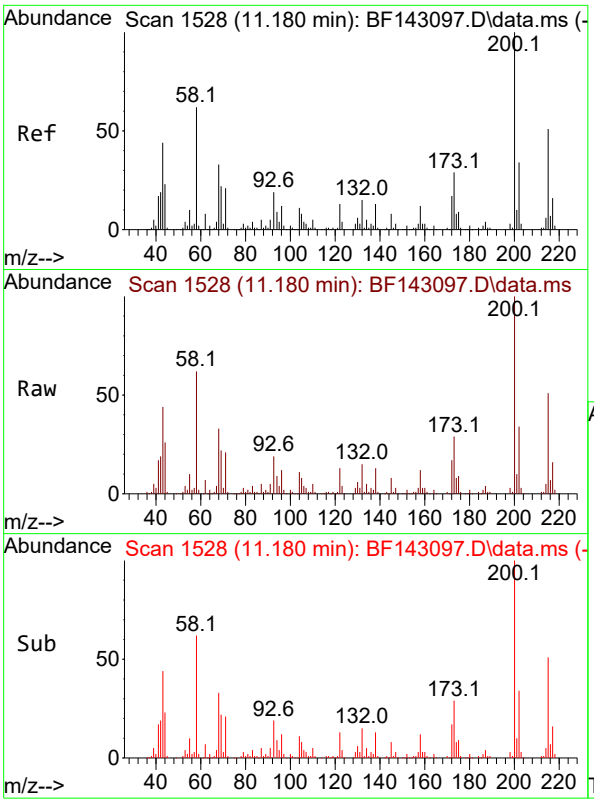



#68
Hexachlorobenzene
Concen: 39.034 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:284 Resp: 173911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 36.1 | 28.9 | 43.3 |
| 249 | 30.8 | 24.6 | 37.0 |

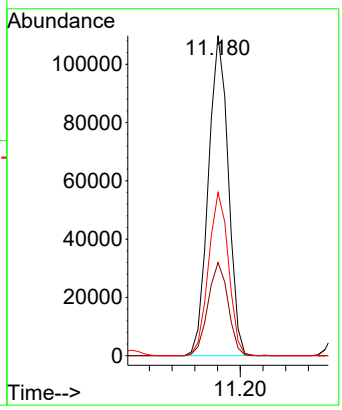





#69
Atrazine
Concen: 40.206 ng
RT: 11.180 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:200 Resp: 13341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 29.1 | 9.1 | 49.1 |
| 215 | 51.0 | 31.0 | 71.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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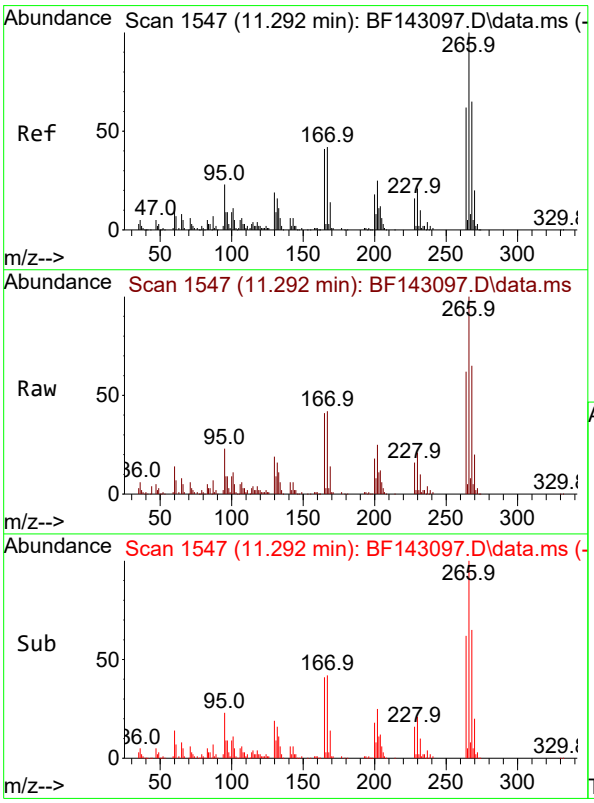
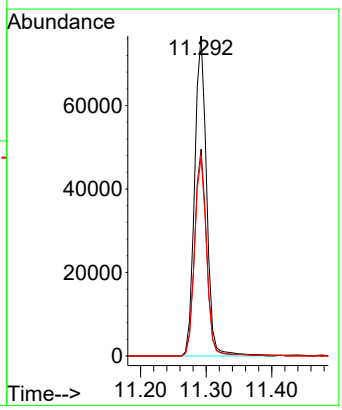
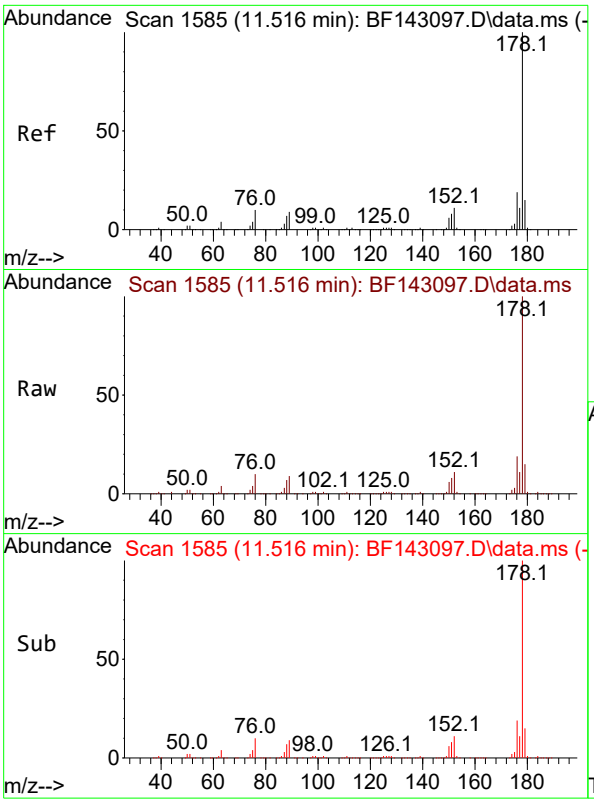



#70
Pentachlorophenol
Concen: 39.938 ng
RT: 11.292 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:266 Resp: 97625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.7 | 51.8 | 77.6 |
| 264 | 62.1 | 49.7 | 74.5 |

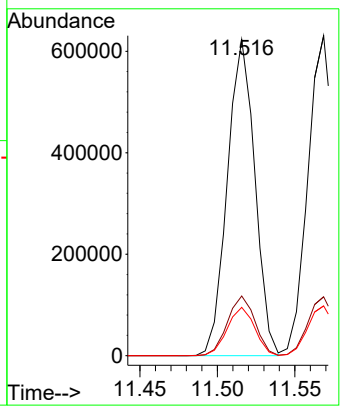





#71
Phenanthrene
Concen: 38.609 ng
RT: 11.516 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:178 Resp: 76937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 15.1 | 22.7 |
| 179 | 15.3 | 12.2 | 18.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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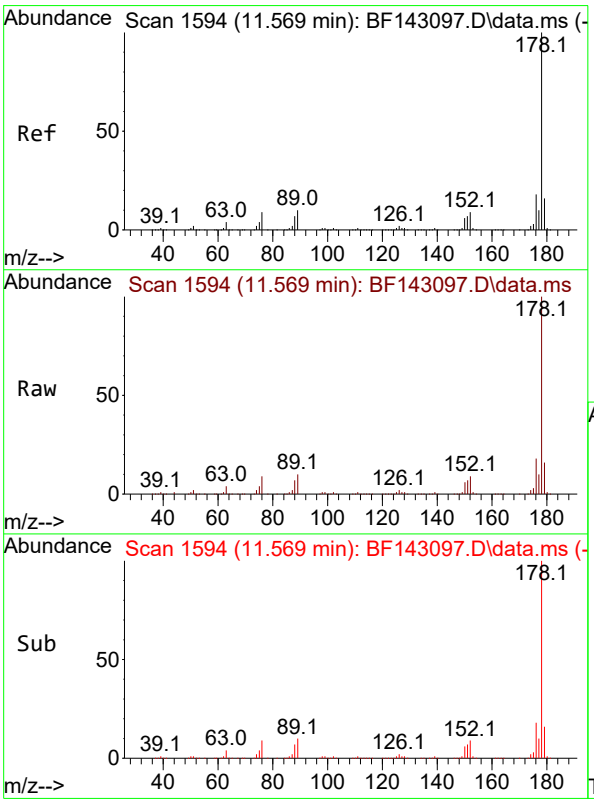
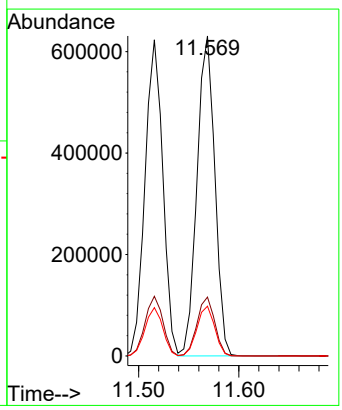
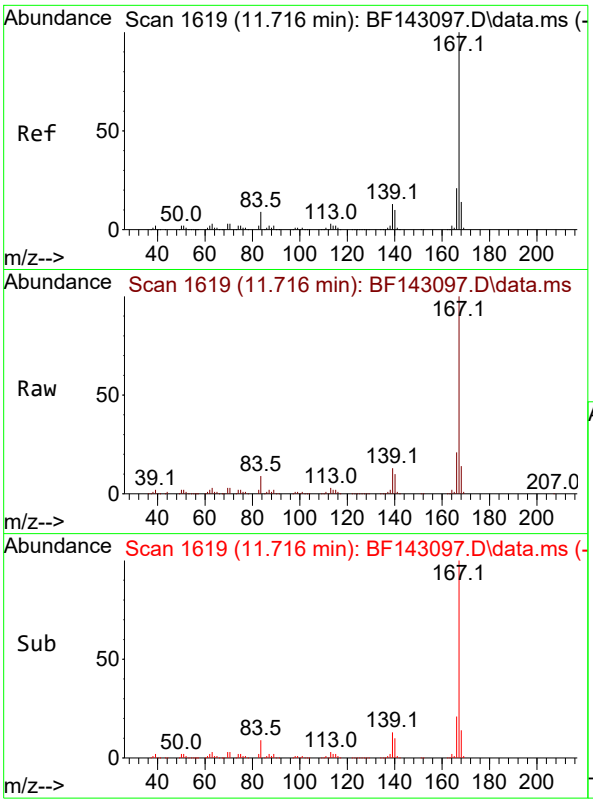



#72
Anthracene
Concen: 38.961 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:178 Resp: 780754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.4 | 14.7 | 22.1 |
| 179 | 15.5 | 12.4 | 18.6 |

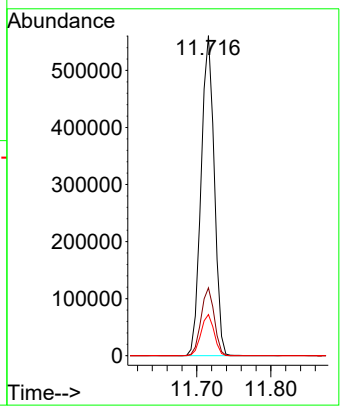





#73
Carbazole
Concen: 38.572 ng
RT: 11.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:167 Resp: 69246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.2 | 17.0 | 25.4 |
| 139 | 12.8 | 10.2 | 15.4 |




**Instrument :**
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SSTDICCC040

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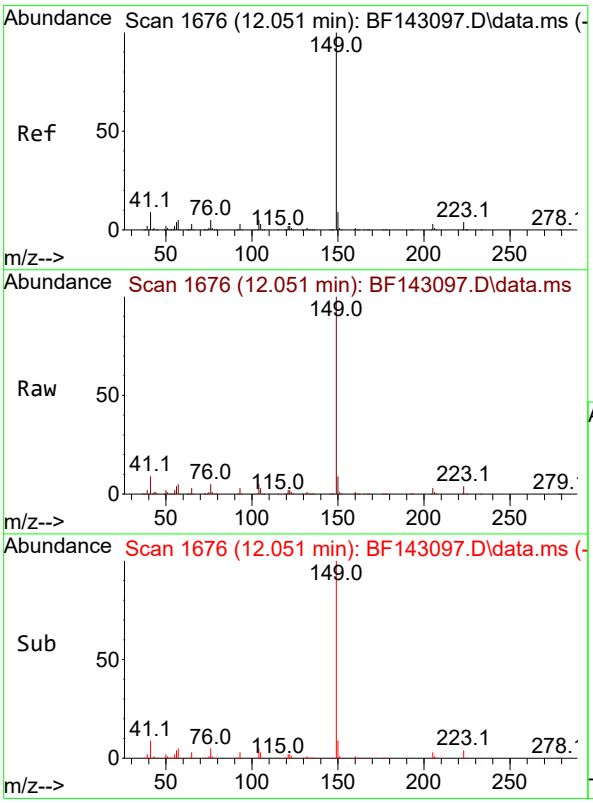
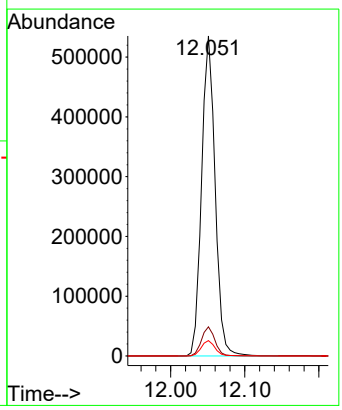
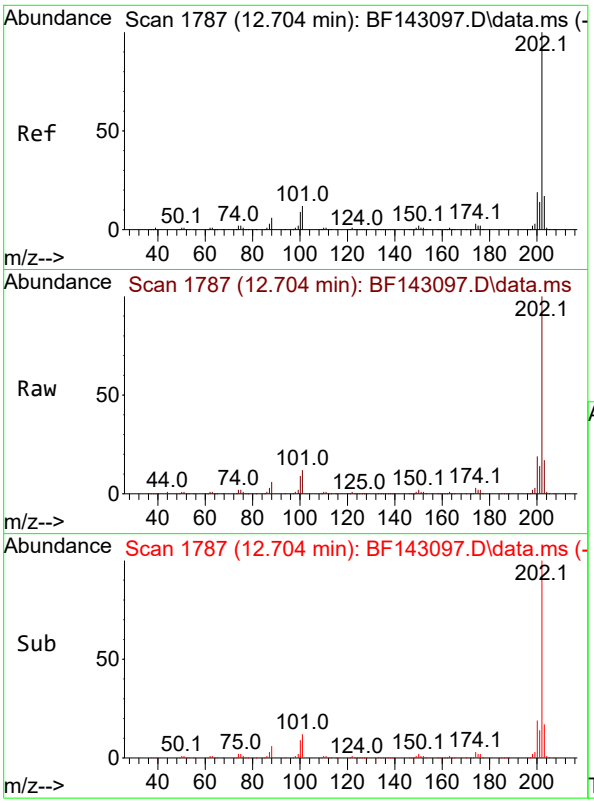



#74
Di-n-butylphthalate
Concen: 41.288 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:149 Resp: 680394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.3 | 10.9 |
| 104 | 4.8 | 3.8 | 5.8 |






#75
Fluoranthene
Concen: 39.115 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:202 Resp: 70873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.4 | 0.0 | 32.4 |
| 203 | 17.4 | 0.0 | 37.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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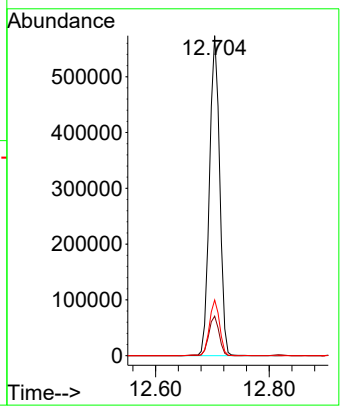
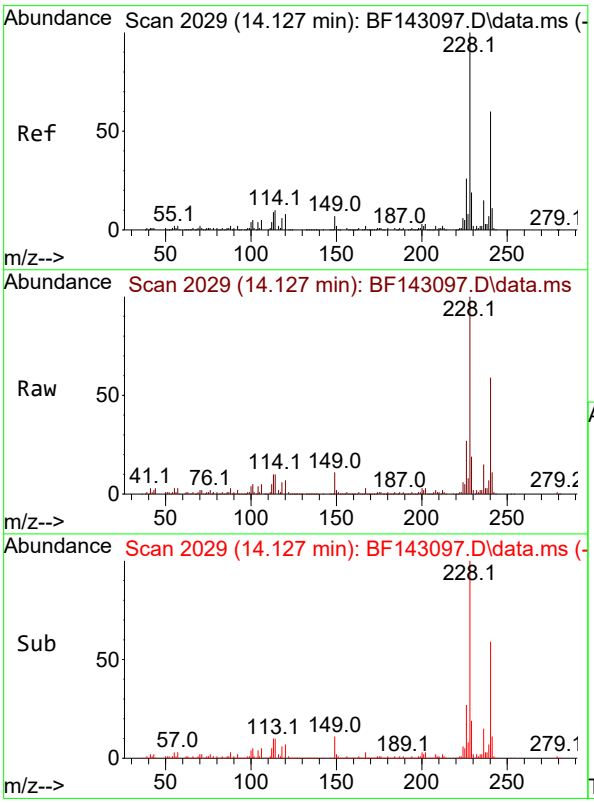
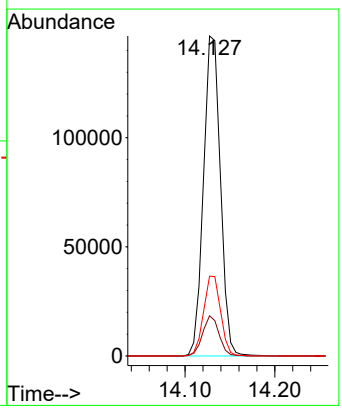


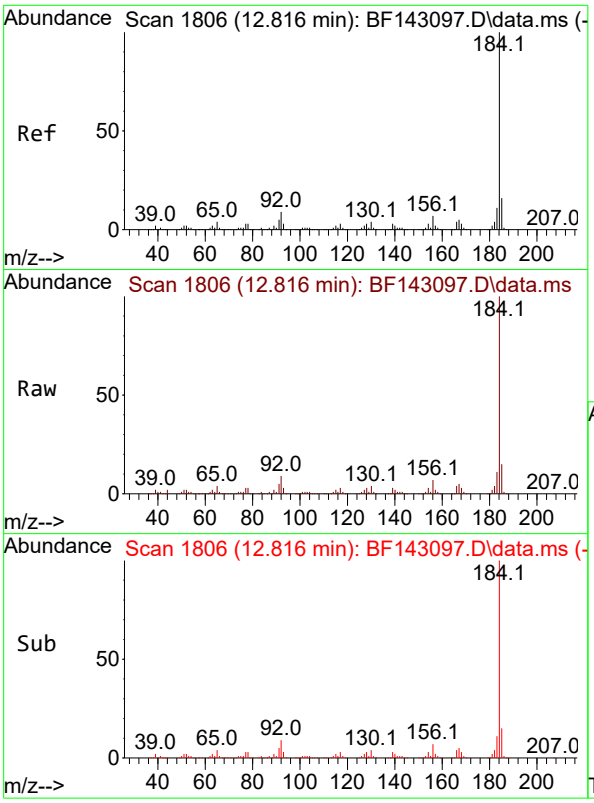




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:240 Resp: 192349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.5 | 10.0 | 15.0 |
| 236 | 25.0 | 20.0 | 30.0 |

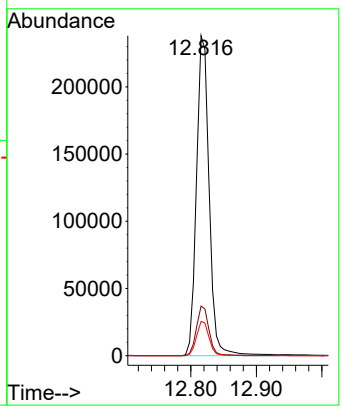





#77
Benzidine
Concen: 48.989 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:184 Resp: 32102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.5 | 12.4 | 18.6 |
| 183 | 10.7 | 8.6 | 12.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

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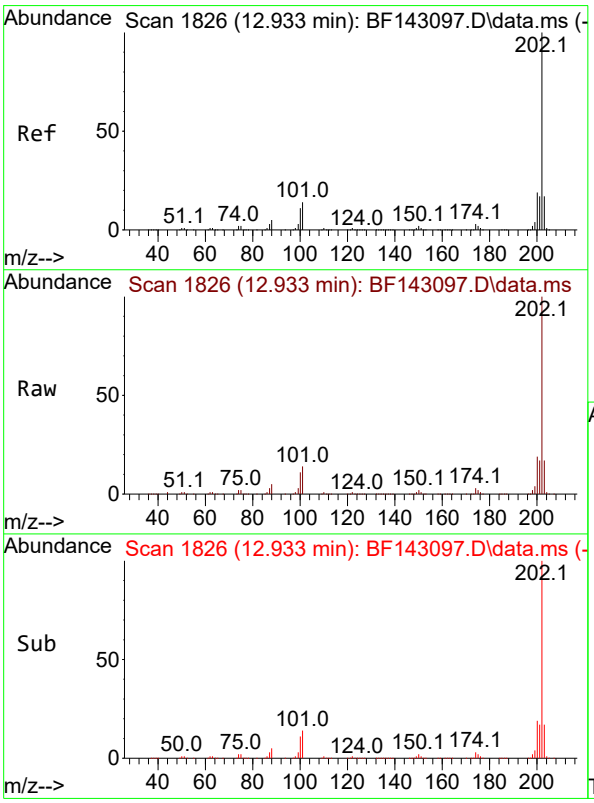
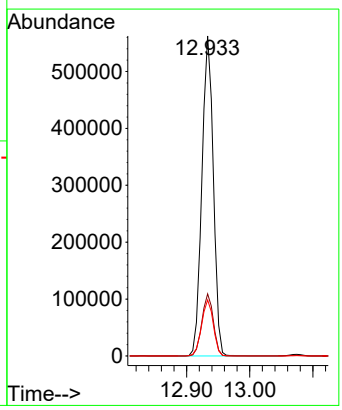
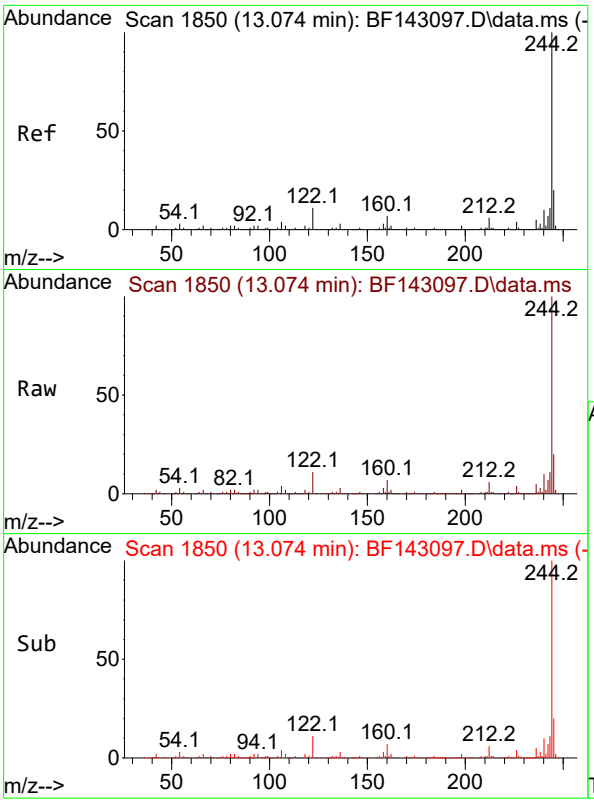



#78
Pyrene
Concen: 39.706 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:202 Resp: 708631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.4 | 15.5 | 23.3 |
| 203 | 17.5 | 14.0 | 21.0 |

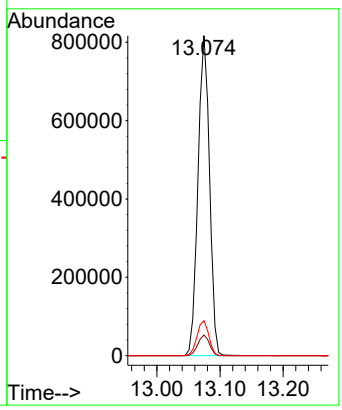





#79
Terphenyl-d14
Concen: 78.547 ng
RT: 13.074 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:244 Resp: 103354

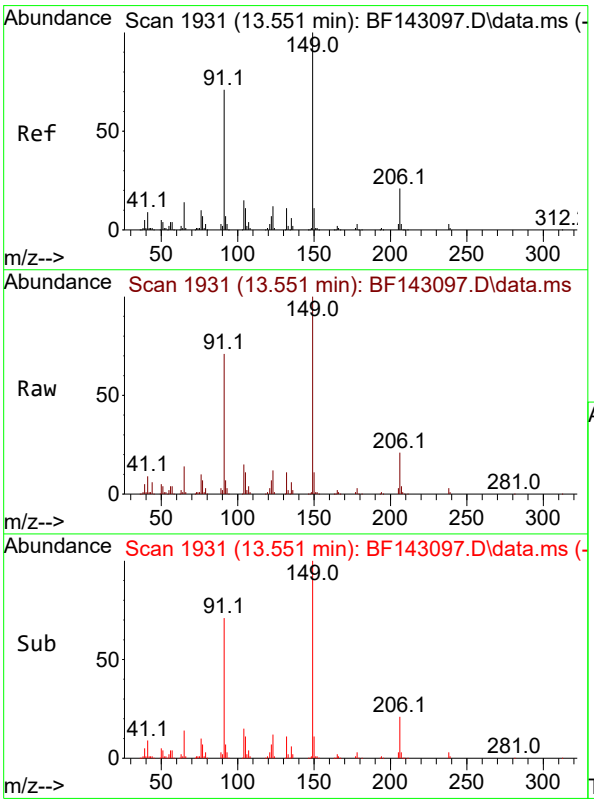
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.5 | 5.2 | 7.8 |
| 122 | 11.0 | 8.8 | 13.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

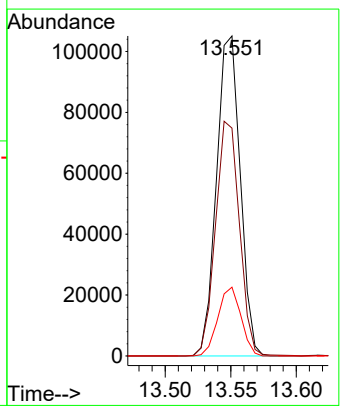
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

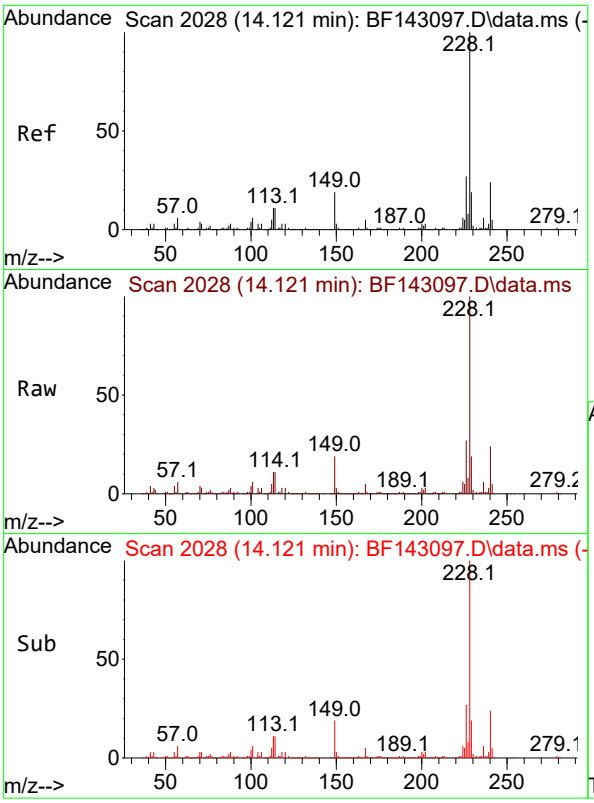



#80
Butylbenzylphthalate
Concen: 37.625 ng
RT: 13.551 min Scan# 1931
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:149 Resp: 132061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 71.2 | 57.0 | 85.4 |
| 206 | 21.5 | 17.2 | 25.8 |

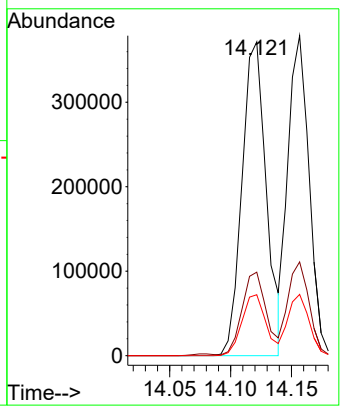





#81
Benzo(a)anthracene
Concen: 40.424 ng
RT: 14.121 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:228 Resp: 51813

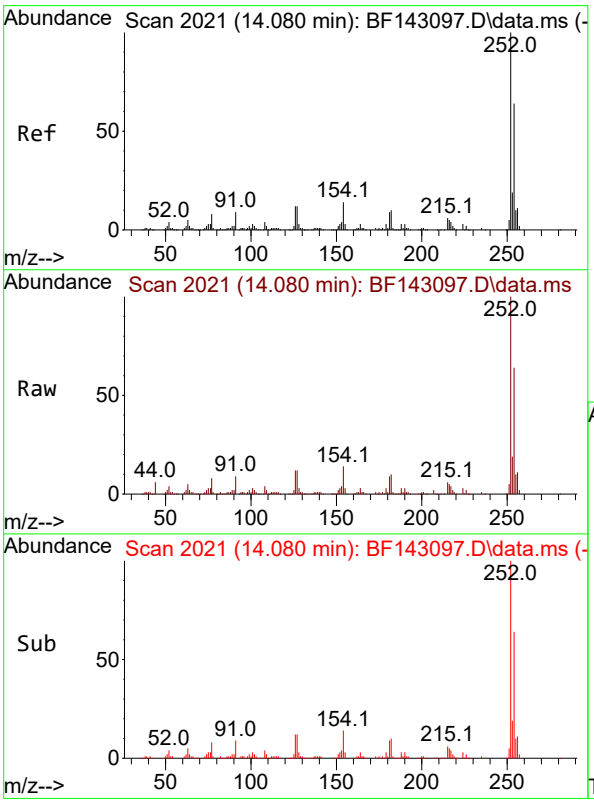
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.6 | 21.3 | 31.9 |
| 229 | 19.4 | 15.5 | 23.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

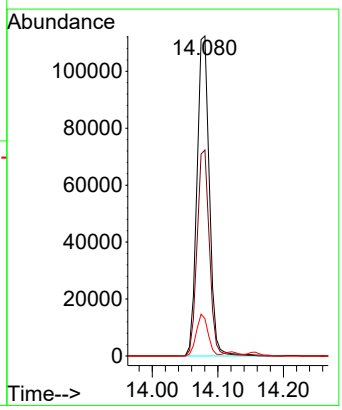
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

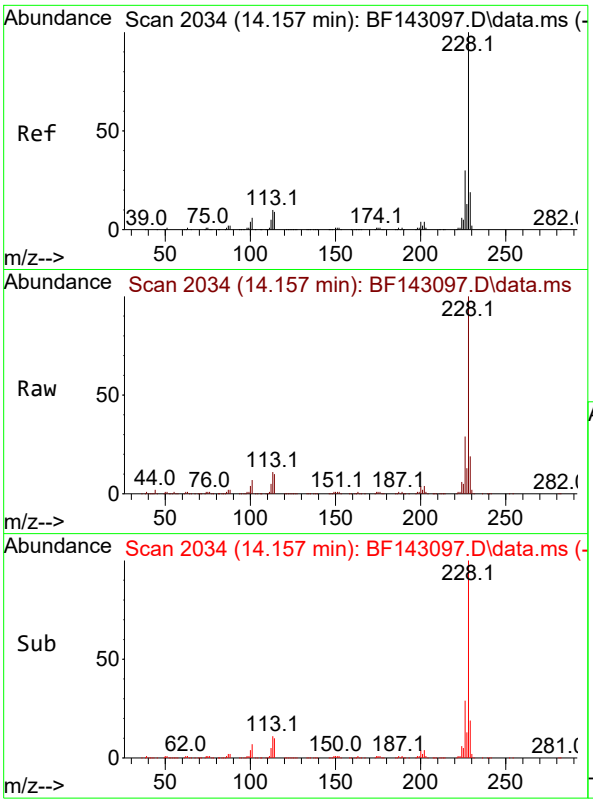



#82
3,3'-Dichlorobenzidine
Concen: 39.841 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:252 Resp: 148294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.4 | 51.5 | 77.3 |
| 126 | 11.7 | 9.4 | 14.0 |

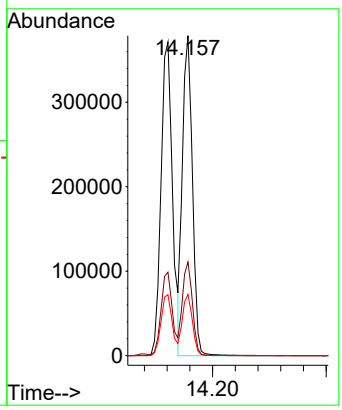





#83
Chrysene
Concen: 39.134 ng
RT: 14.157 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:228 Resp: 461979

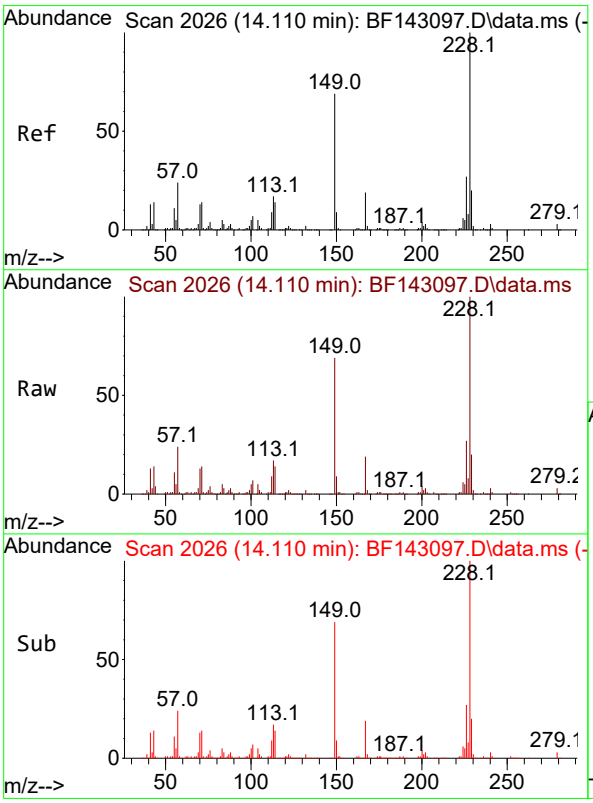
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.3 | 23.4 | 35.2 |
| 229 | 19.1 | 15.3 | 22.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

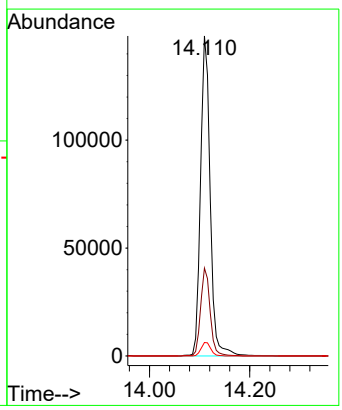
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

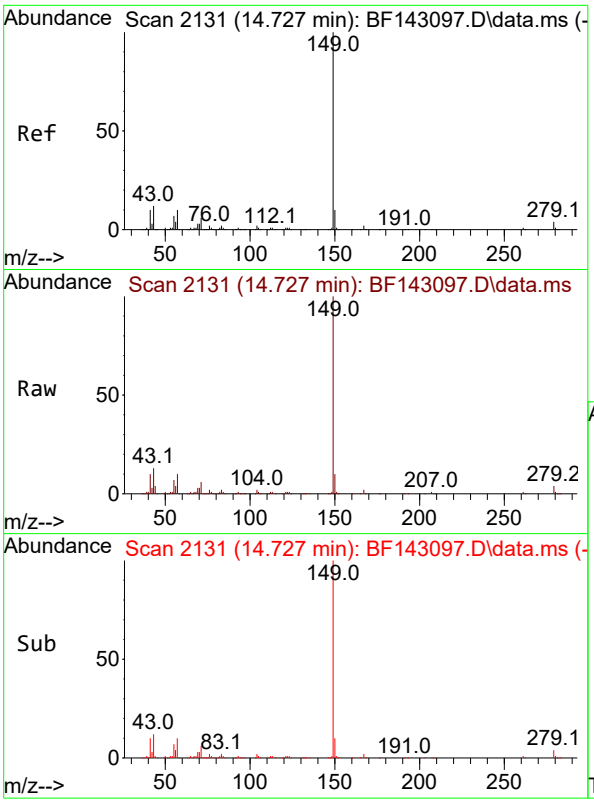



#84
Bis(2-ethylhexyl)phthalate
Concen: 37.454 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:149 Resp: 198176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.4 | 21.9 | 32.9 |
| 279 | 4.2 | 3.4 | 5.0 |

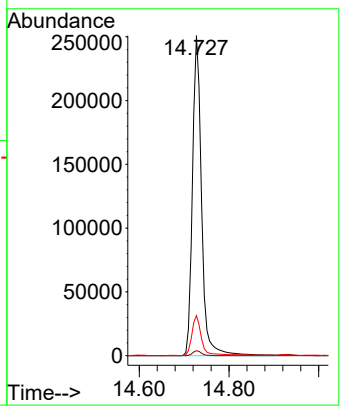





#85
Di-n-octyl phthalate
Concen: 36.531 ng
RT: 14.727 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:149 Resp: 35474

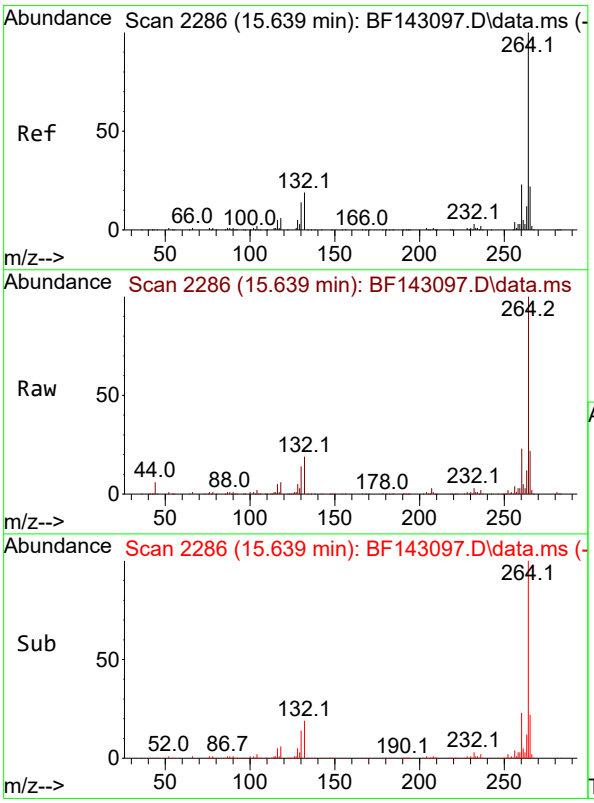
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.2 | 1.8 |
| 43 | 13.3 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

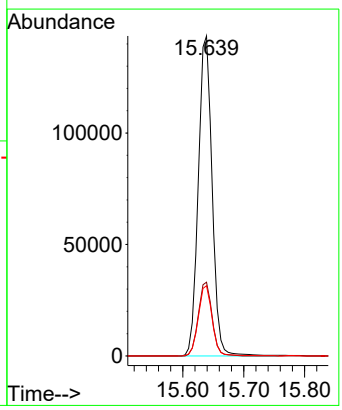
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

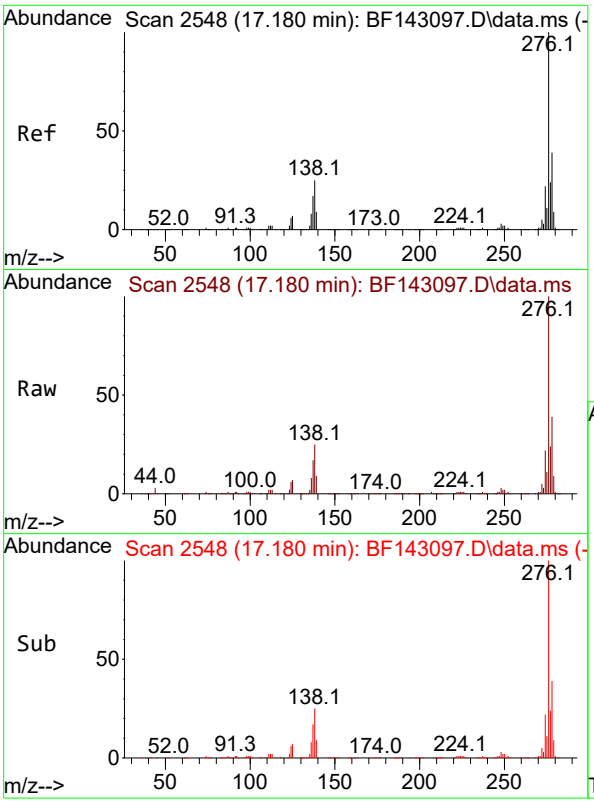



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:264 Resp: 226517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 18.5 | 27.7 |
| 265 | 21.9 | 17.5 | 26.3 |

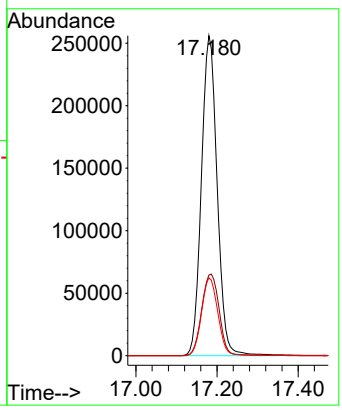





#87
Indeno(1,2,3-cd)pyrene
Concen: 40.912 ng
RT: 17.180 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:276 Resp: 68927

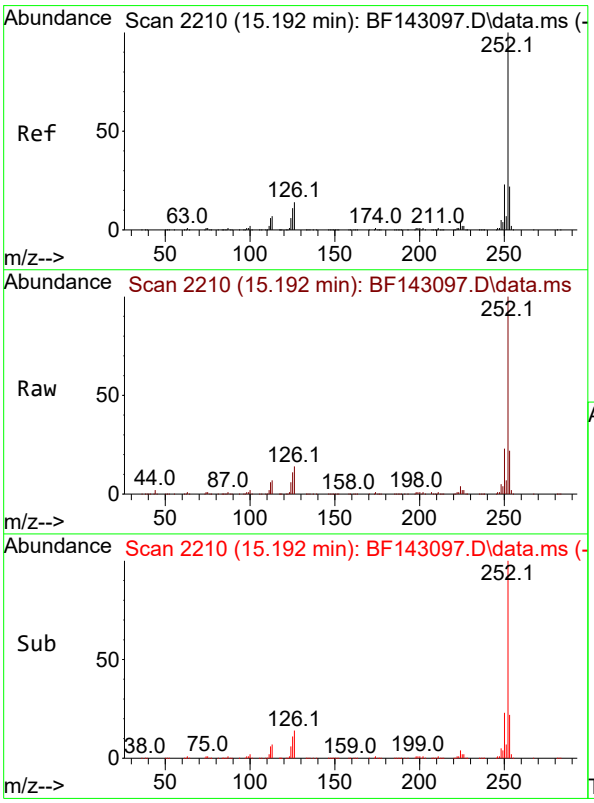
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 28.3 | 22.6 | 34.0 |
| 277 | 25.2 | 20.2 | 30.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

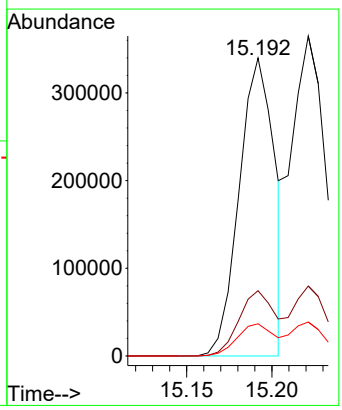
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

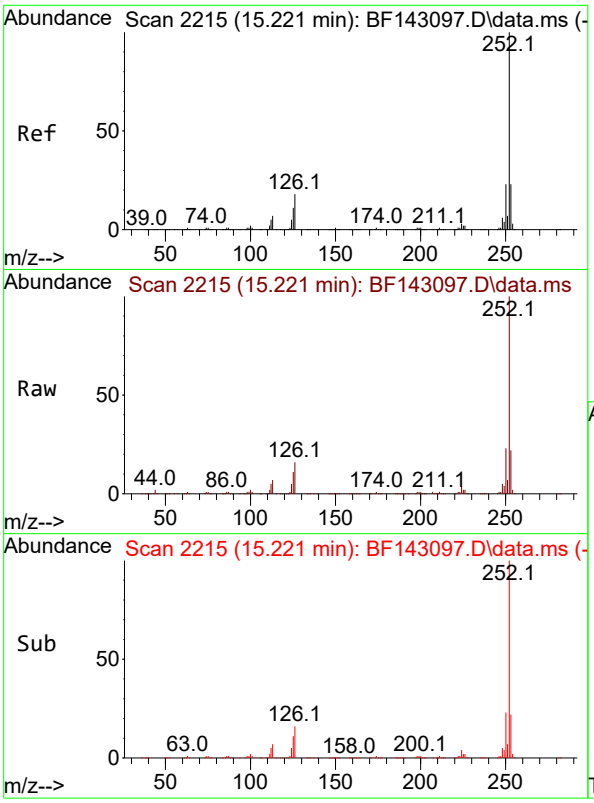



#88
Benzo(b)fluoranthene
Concen: 37.520 ng
RT: 15.192 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:252 Resp: 490240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.5 | 26.3 |
| 125 | 10.8 | 8.6 | 13.0 |

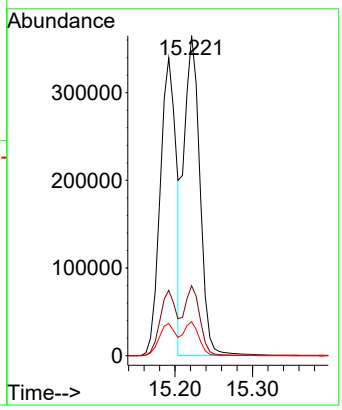





#89
Benzo(k)fluoranthene
Concen: 41.721 ng
RT: 15.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:252 Resp: 52005

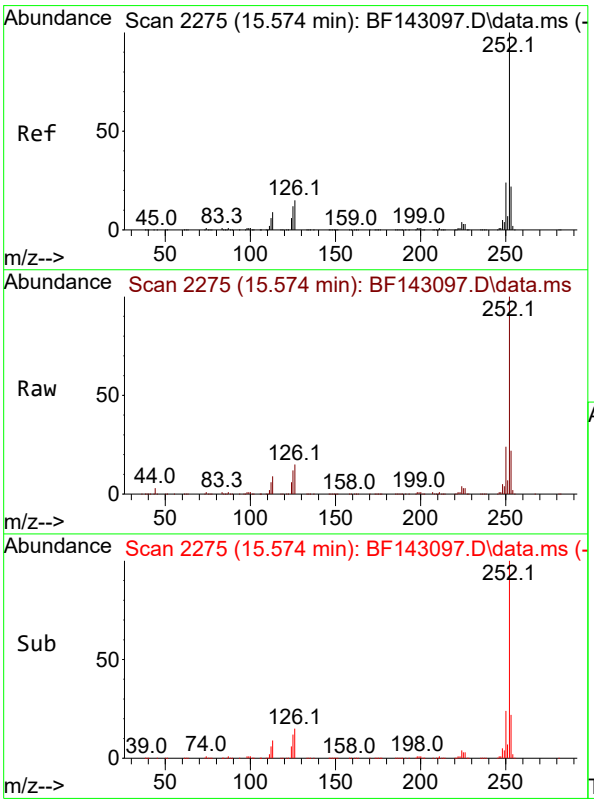
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.4 | 26.2 |
| 125 | 10.6 | 8.5 | 12.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

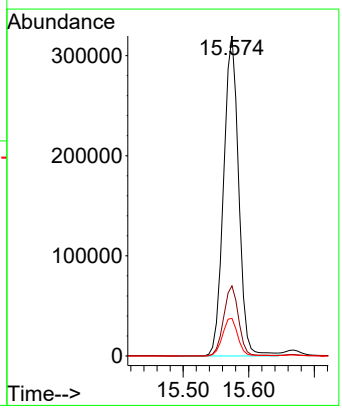
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

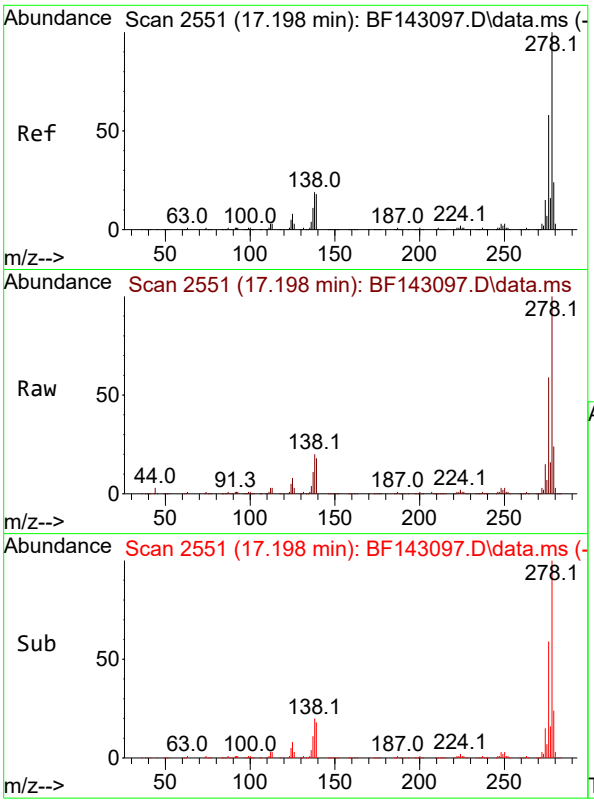



#90
Benzo(a)pyrene
Concen: 41.215 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:252 Resp: 509307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.5 | 26.3 |
| 125 | 11.7 | 9.4 | 14.0 |

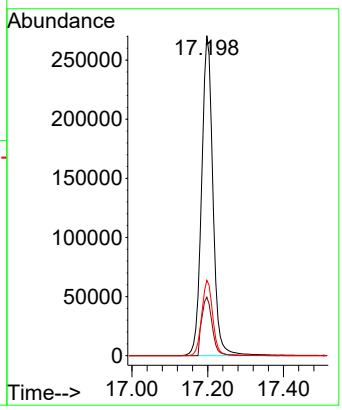





#91
Dibenzo(a,h)anthracene
Concen: 40.782 ng
RT: 17.198 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:278 Resp: 56166

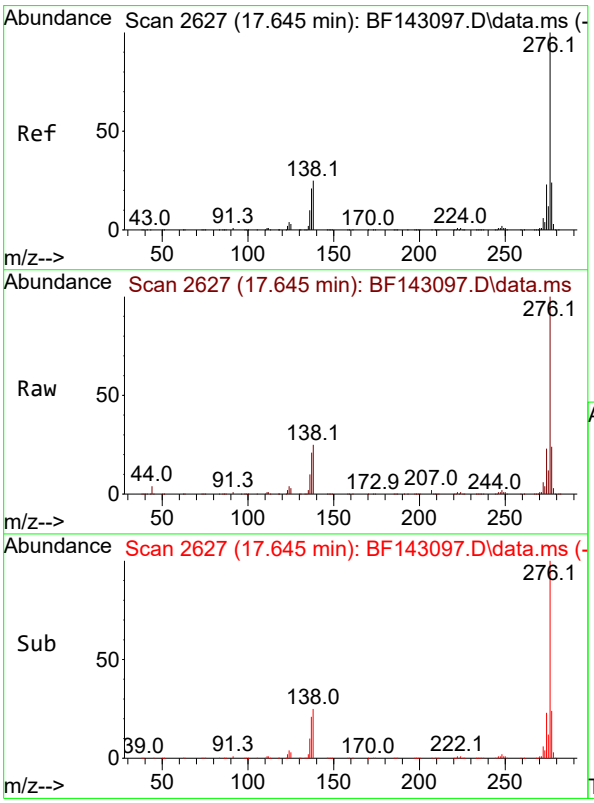
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 18.3 | 14.6 | 22.0 |
| 279 | 23.5 | 18.8 | 28.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

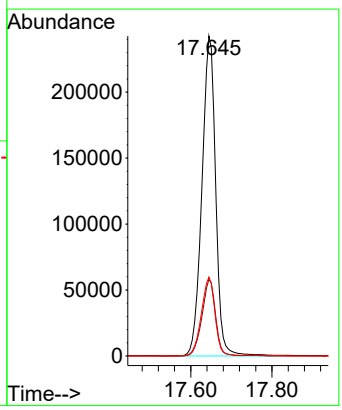
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025




#92
Benzo(g,h,i)perylene
Concen: 40.584 ng
RT: 17.645 min Scan# 2627
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:276 Resp: 569850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.0 | 19.2 | 28.8 |
| 138 | 24.7 | 19.8 | 29.6 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143098.D
Acq On : 15 Jul 2025 15:35
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 15 17:41:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.969 | 152 | 119035 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.251 | 136 | 456501 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 10.004 | 164 | 223126 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.492 | 188 | 354075 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.127 | 240 | 183692 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.633 | 264 | 221502 | 20.000 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.593 | 112 | 776953 | 103.124 | ng | 0.00 |
| 7) Phenol-d6 | 6.587 | 99 | 978105 | 103.280 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.528 | 82 | 911721 | 112.035 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.792 | 330 | 227678 | 114.439 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.328 | 172 | 1628659 | 97.028 | ng | 0.00 |
| 79) Terphenyl-d14 | 13.075 | 244 | 1271626 | 101.195 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.811 | 88 | 196652 | 52.435 | ng | 99 |
| 3) Pyridine | 3.581 | 79 | 500208 | 52.670 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.528 | 42 | 261539 | 53.153 | ng | 100 |
| 6) Aniline | 6.628 | 93 | 699680 | 52.465 | ng | 100 |
| 8) 2-Chlorophenol | 6.751 | 128 | 405741 | 53.601 | ng | 100 |
| 9) Benzaldehyde | 6.516 | 77 | 431994 | 59.864 | ng | 98 |
| 10) Phenol | 6.598 | 94 | 529842m | 51.680 | ng | |
| 11) bis(2-Chloroethyl)ether | 6.698 | 93 | 408091 | 51.417 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 6.910 | 146 | 437876 | 51.203 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.987 | 146 | 441012 | 51.260 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 7.140 | 146 | 421724 | 51.401 | ng | 98 |
| 15) Benzyl Alcohol | 7.104 | 79 | 373560 | 53.234 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.240 | 45 | 748892 | 51.187 | ng | 100 |
| 17) 2-Methylphenol | 7.210 | 107 | 342357 | 52.409 | ng | 99 |
| 18) Hexachloroethane | 7.487 | 117 | 148761 | 53.114 | ng | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.381 | 70 | 302685 | 52.169 | ng | 99 |
| 20) 3+4-Methylphenols | 7.363 | 107 | 422794 | 52.776 | ng | 93 |
| 22) Acetophenone | 7.375 | 105 | 549763 | 49.959 | ng | 97 |
| 24) Nitrobenzene | 7.545 | 77 | 439273 | 55.918 | ng | 100 |
| 25) Isophorone | 7.787 | 82 | 819274 | 52.088 | ng | 100 |
| 26) 2-Nitrophenol | 7.863 | 139 | 160386 | 50.837 | ng | 99 |
| 27) 2,4-Dimethylphenol | 7.893 | 122 | 379432 | 51.976 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 7.993 | 93 | 483608 | 50.704 | ng | 99 |
| 29) 2,4-Dichlorophenol | 8.098 | 162 | 319968 | 53.575 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.193 | 180 | 345389 | 50.958 | ng | 99 |
| 31) Naphthalene | 8.275 | 128 | 1126659 | 49.700 | ng | 100 |
| 32) Benzoic acid | 7.998 | 122 | 180966 | 49.535 | ng | 98 |
| 33) 4-Chloroaniline | 8.310 | 127 | 467074 | 51.237 | ng | 99 |
| 34) Hexachlorobutadiene | 8.392 | 225 | 207797 | 51.263 | ng | 98 |
| 35) Caprolactam | 8.681 | 113 | 99144 | 53.162 | ng | 96 |
| 36) 4-Chloro-3-methylphenol | 8.787 | 107 | 350906 | 52.746 | ng | 98 |
| 37) 2-Methylnaphthalene | 8.963 | 142 | 681726 | 50.410 | ng | 99 |
| 38) 1-Methylnaphthalene | 9.063 | 142 | 701548 | 50.016 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.128 | 216 | 335206 | 51.551 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 9.122 | 237 | 198811 | 55.147 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 9.234 | 196 | 223131 | 55.226 | ng | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143098.D
Acq On : 15 Jul 2025 15:35
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 15 17:41:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.269 | 196 | 232905 | 54.977 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.428 | 154 | 897834 | 50.458 | ng | | 100 |
| 47) 2-Chloronaphthalene | 9.451 | 162 | 666760 | 51.007 | ng | | 100 |
| 48) 2-Nitroaniline | 9.539 | 65 | 207291 | 52.775 | ng | | 98 |
| 49) Acenaphthylene | 9.869 | 152 | 1109586 | 50.940 | ng | | 99 |
| 50) Dimethylphthalate | 9.722 | 163 | 726121 | 51.728 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.781 | 165 | 146385 | 52.497 | ng | | 92 |
| 52) Acenaphthene | 10.039 | 154 | 651291 | 50.669 | ng | | 100 |
| 53) 3-Nitroaniline | 9.945 | 138 | 177602 | 58.553 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 10.051 | 184 | 47800 | 51.931 | ng | # | 1 |
| 55) Dibenzofuran | 10.210 | 168 | 964545 | 50.344 | ng | | 100 |
| 56) 4-Nitrophenol | 10.092 | 139 | 133073 | 55.203 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 10.181 | 165 | 181610 | 52.116 | ng | | 99 |
| 58) Fluorene | 10.557 | 166 | 716173 | 49.859 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.322 | 232 | 189211 | 56.202 | ng | | 98 |
| 60) Diethylphthalate | 10.422 | 149 | 702995 | 51.909 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.545 | 204 | 348876 | 50.675 | ng | | 99 |
| 62) 4-Nitroaniline | 10.557 | 138 | 150470 | 57.045 | ng | | 99 |
| 63) Azobenzene | 10.704 | 77 | 770603 | 51.451 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.592 | 198 | 70324 | 51.847 | ng | | 92 |
| 66) n-Nitrosodiphenylamine | 10.663 | 169 | 634539 | 51.019 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 11.034 | 248 | 211371 | 52.494 | ng | | 99 |
| 68) Hexachlorobenzene | 11.104 | 284 | 221245 | 51.785 | ng | | 98 |
| 69) Atrazine | 11.181 | 200 | 172972 | 54.359 | ng | | 98 |
| 70) Pentachlorophenol | 11.292 | 266 | 131545 | 56.120 | ng | | 99 |
| 71) Phenanthrene | 11.516 | 178 | 963568 | 50.425 | ng | | 100 |
| 72) Anthracene | 11.569 | 178 | 979118 | 50.953 | ng | | 99 |
| 73) Carbazole | 11.716 | 167 | 883827 | 51.340 | ng | | 100 |
| 74) Di-n-butylphthalate | 12.051 | 149 | 870362 | 55.079 | ng | | 100 |
| 75) Fluoranthene | 12.704 | 202 | 883558 | 50.852 | ng | | 100 |
| 77) Benzidine | 12.816 | 184 | 309313 | 49.425 | ng | | 99 |
| 78) Pyrene | 12.933 | 202 | 880826 | 51.681 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.545 | 149 | 176615 | 51.324 | ng | | 96 |
| 81) Benzo(a)anthracene | 14.122 | 228 | 644353 | 52.641 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.080 | 252 | 196472 | 55.273 | ng | | 100 |
| 83) Chrysene | 14.157 | 228 | 583302 | 51.740 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.110 | 149 | 265225 | 51.119 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.727 | 149 | 492840 | 50.100 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 17.180 | 276 | 896872 | 54.440 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 15.192 | 252 | 718106 | 56.204 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.221 | 252 | 602261 | 49.410 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.574 | 252 | 662193 | 54.800 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.204 | 278 | 736672 | 54.700 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.651 | 276 | 746789 | 54.390 | ng | | 98 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143098.D
Acq On : 15 Jul 2025 15:35
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 15 17:41:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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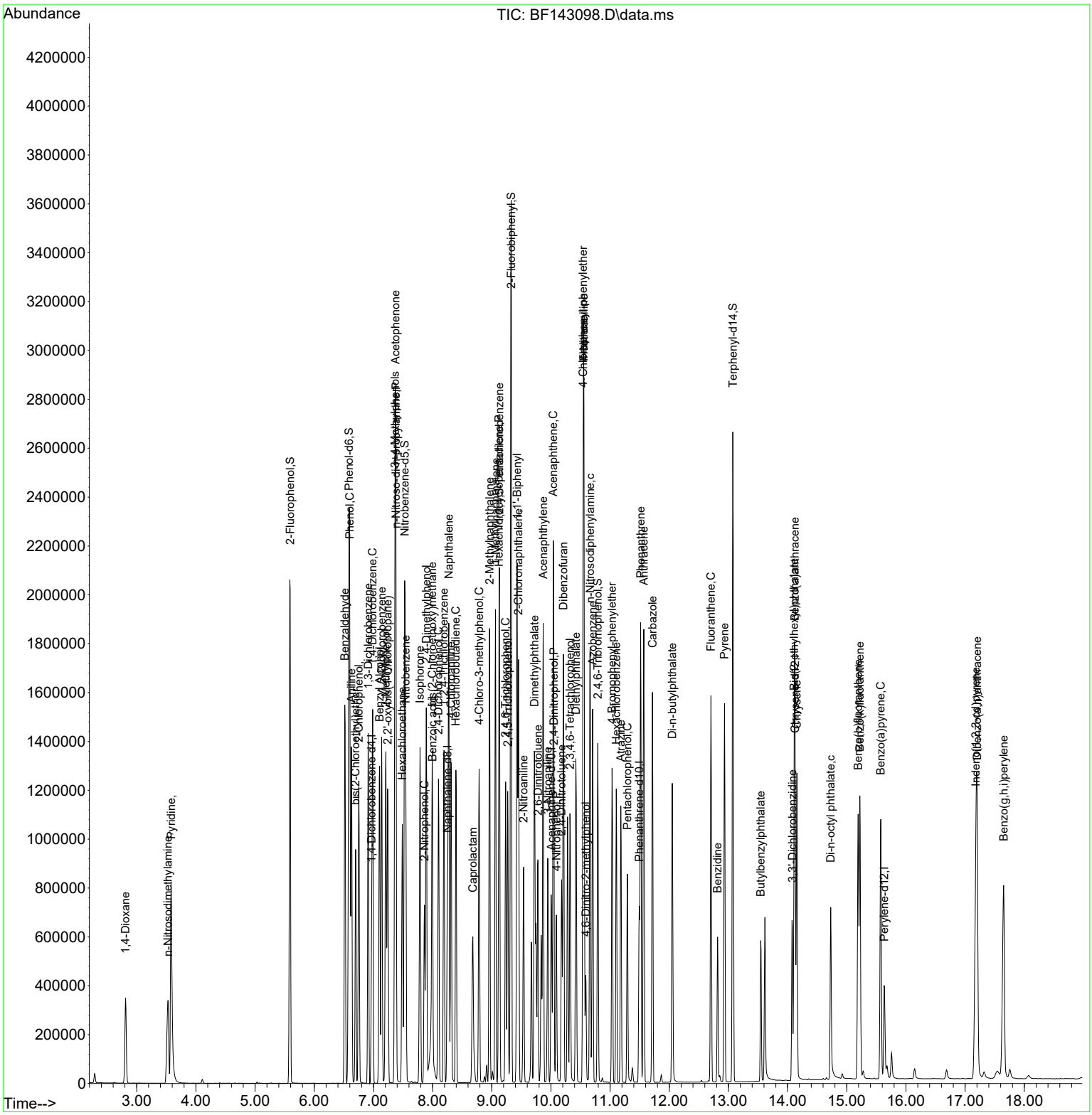
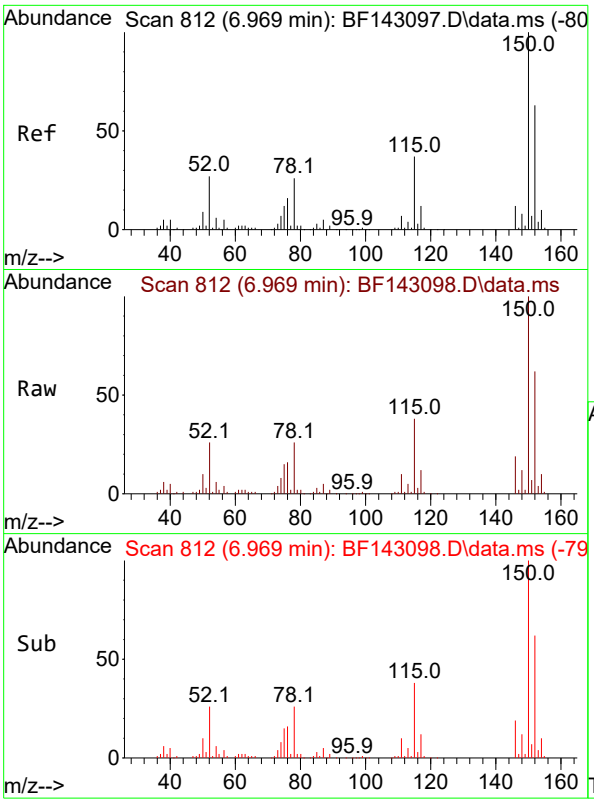
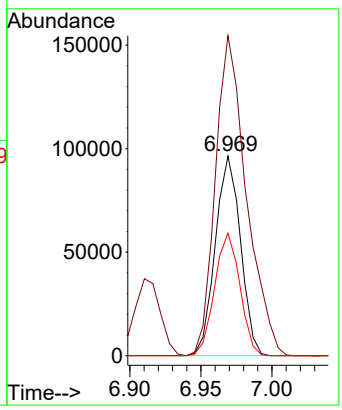





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:152 Resp: 11903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.4 | 126.5 | 189.7 |
| 115 | 61.5 | 47.0 | 70.6 |

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SSTDICC050

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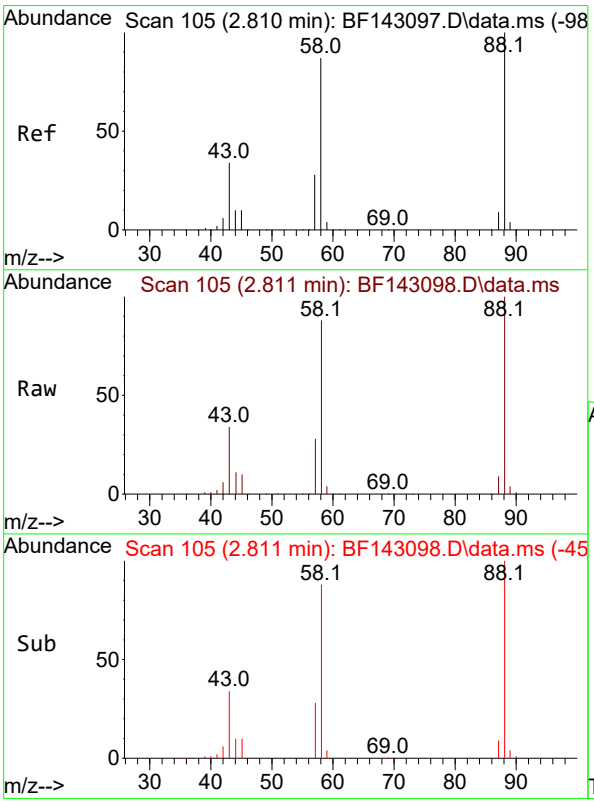
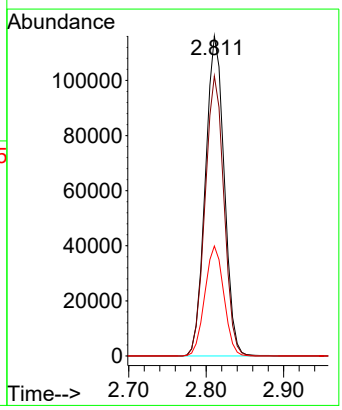
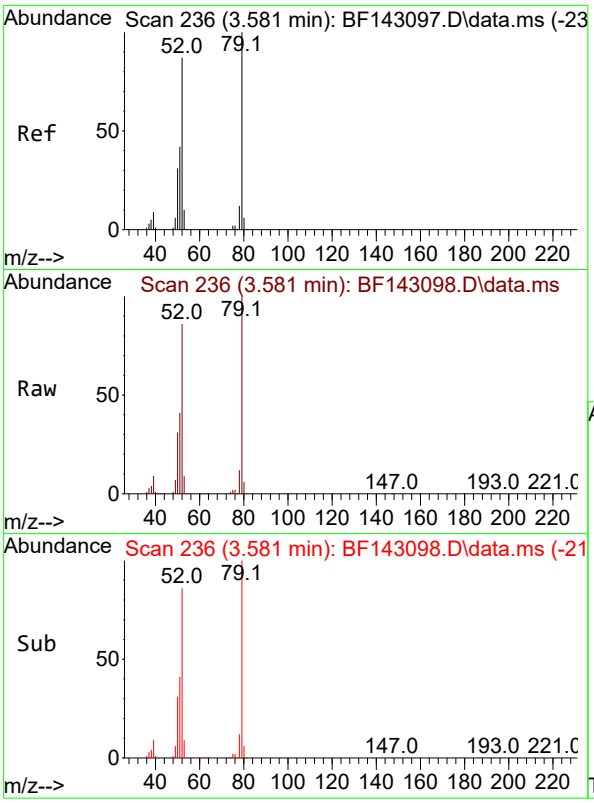



#2
1,4-Dioxane
Concen: 52.435 ng
RT: 2.811 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 88 Resp: 196652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 87.3 | 70.5 | 105.7 |
| 43 | 34.6 | 27.3 | 40.9 |

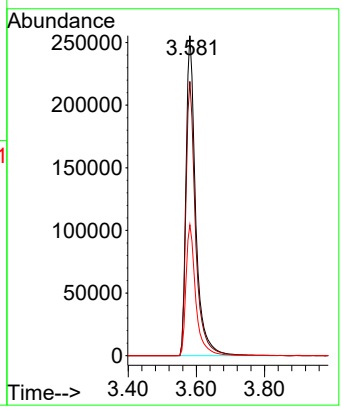





#3
Pyridine
Concen: 52.670 ng
RT: 3.581 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 79 Resp: 50020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 85.7 | 69.2 | 103.8 |
| 51 | 40.9 | 33.3 | 49.9 |

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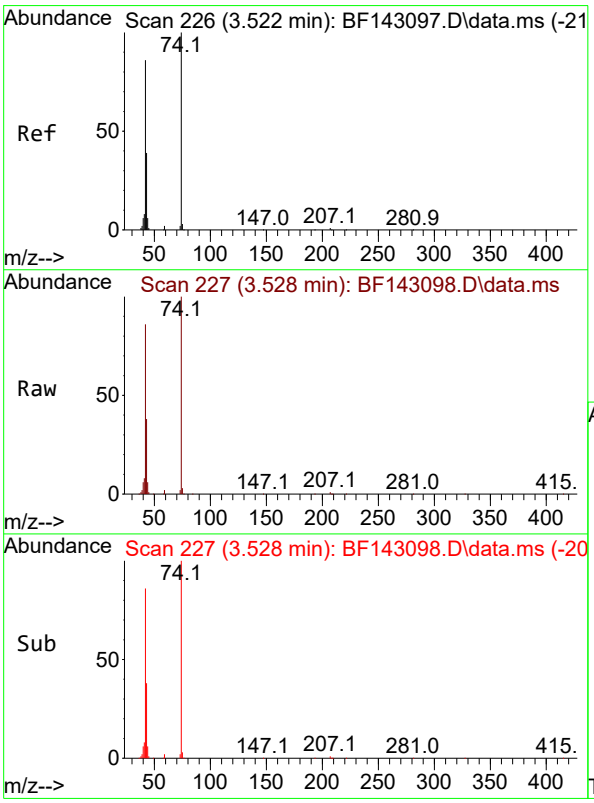
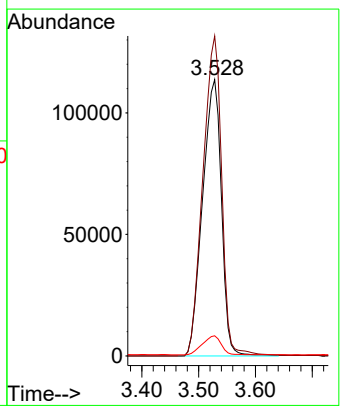
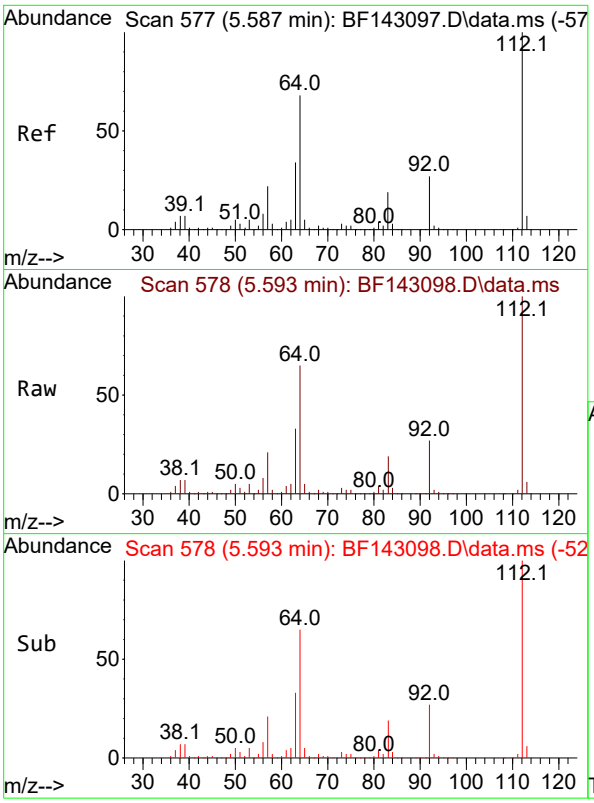



#4
n-Nitrosodimethylamine
Concen: 53.153 ng
RT: 3.528 min Scan# 227
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 42 Resp: 261539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 115.8 | 92.8 | 139.2 |
| 44 | 7.3 | 5.8 | 8.6 |

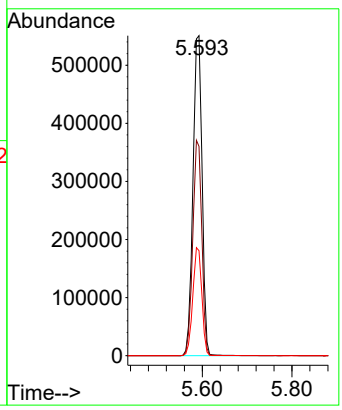





#5
2-Fluorophenol
Concen: 103.124 ng
RT: 5.593 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:112 Resp: 77695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 65.4 | 54.6 | 82.0 |
| 63 | 32.8 | 27.3 | 40.9 |




**Instrument :**
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**Manual Integrations**
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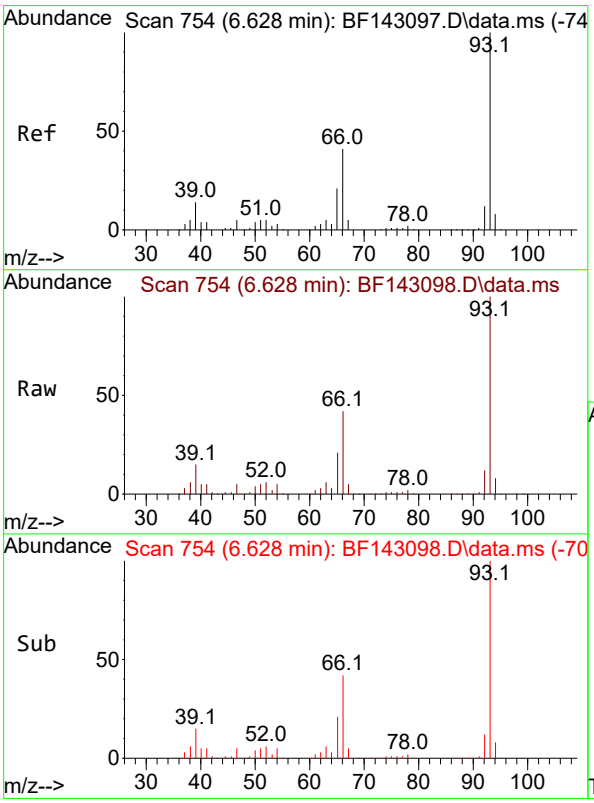
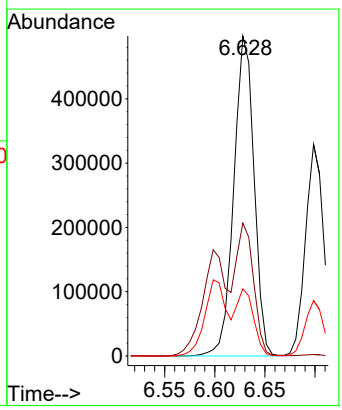
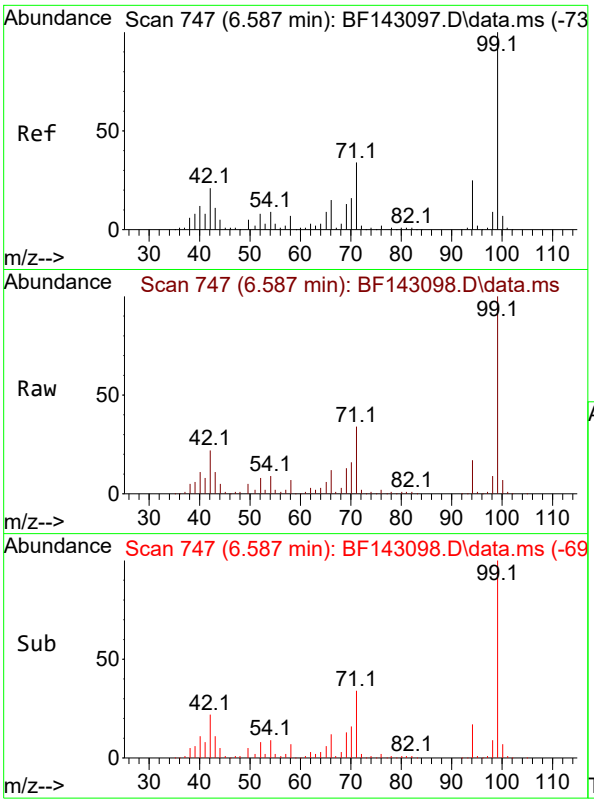



#6
Aniline
Concen: 52.465 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 93 Resp: 699680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 41.5 | 33.1 | 49.7 |
| 65 | 21.0 | 16.9 | 25.3 |

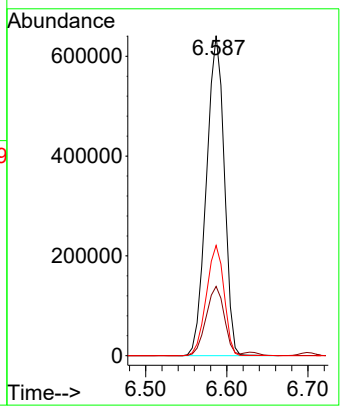





#7
Phenol-d6
Concen: 103.280 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 99 Resp: 97810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.7 | 17.2 | 25.8 |
| 71 | 34.4 | 27.4 | 41.0 |

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BNA_F
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SSTDICC050

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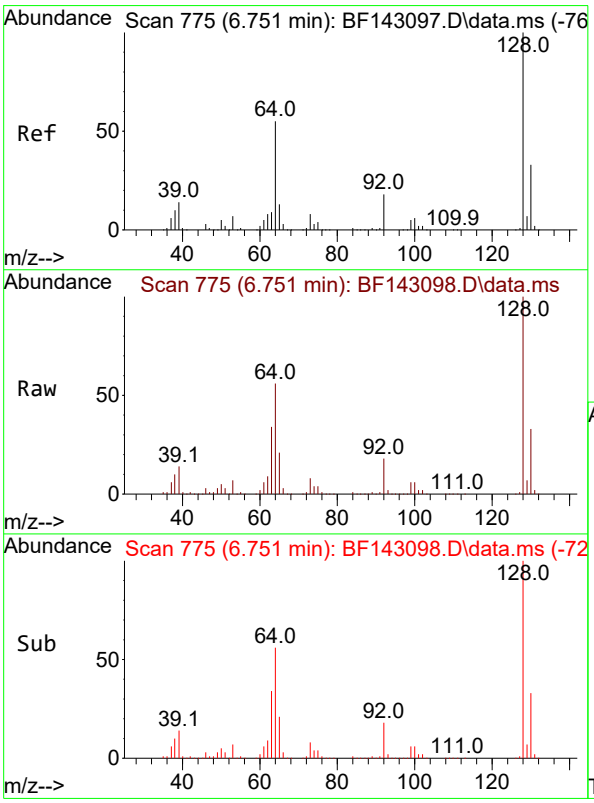
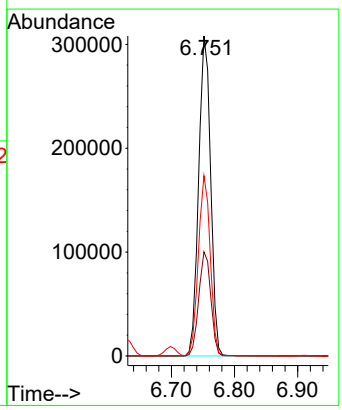
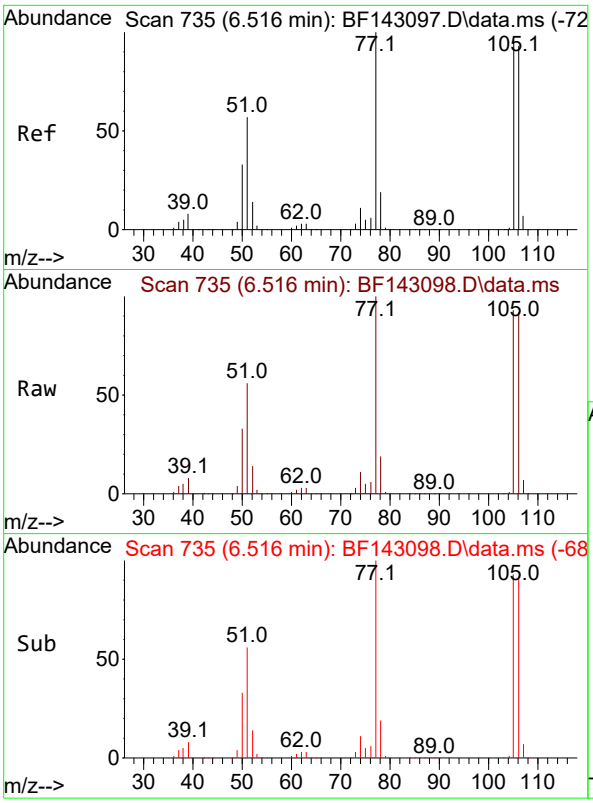



#8
2-Chlorophenol
Concen: 53.601 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:128 Resp: 405741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.5 | 12.8 | 52.8 |
| 64 | 56.3 | 36.1 | 76.1 |

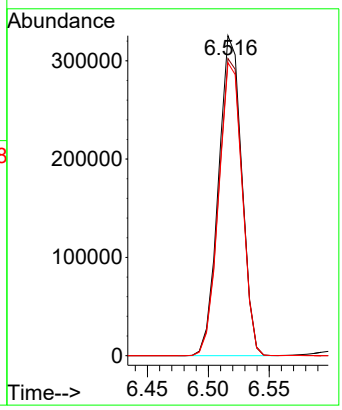





#9
Benzaldehyde
Concen: 59.864 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 77 Resp: 43199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 92.9 | 76.3 | 116.3 |
| 106 | 91.5 | 72.8 | 112.8 |

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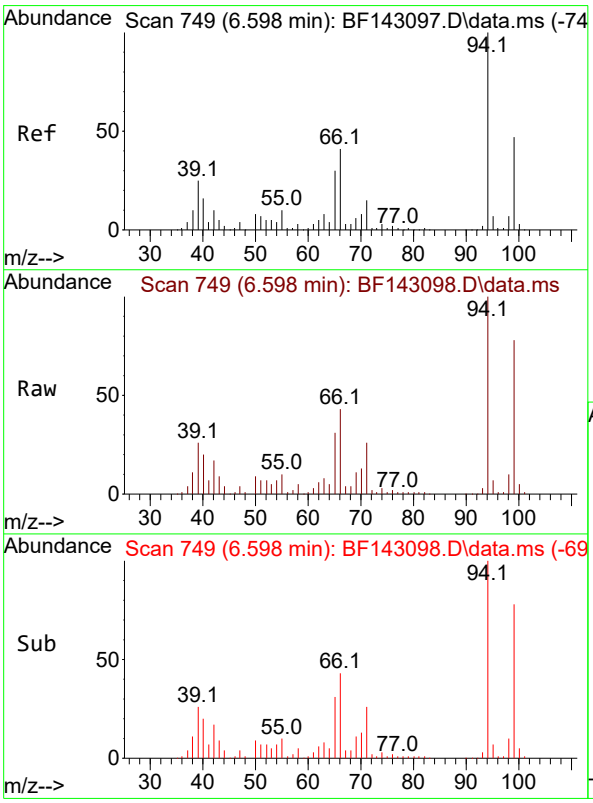
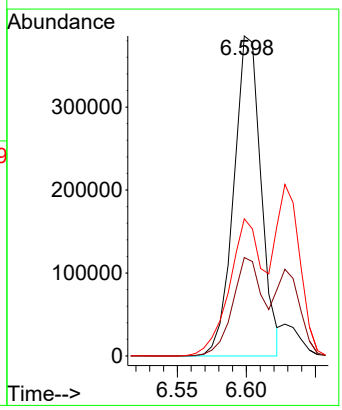
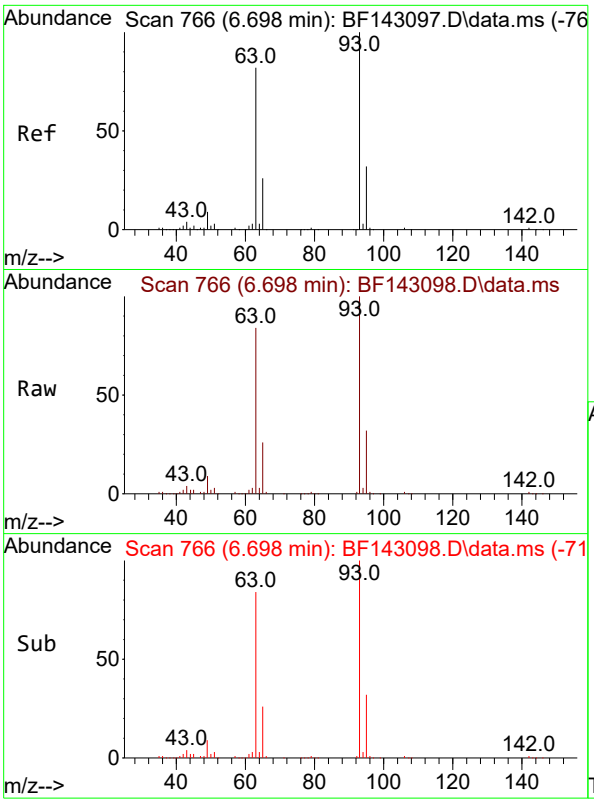



#10
Phenol
Concen: 51.680 ng m
RT: 6.598 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 94 Resp: 529842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 30.7 | 9.8 | 49.8 |
| 66 | 42.9 | 20.5 | 60.5 |

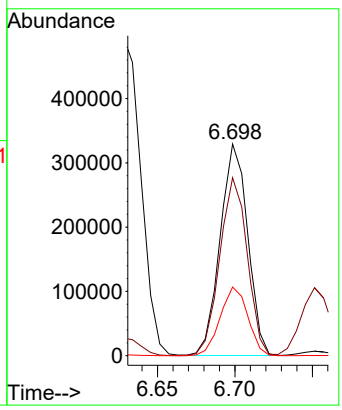





#11
bis(2-Chloroethyl)ether
Concen: 51.417 ng
RT: 6.698 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 93 Resp: 40809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 84.0 | 61.9 | 101.9 |
| 95 | 32.4 | 12.2 | 52.2 |

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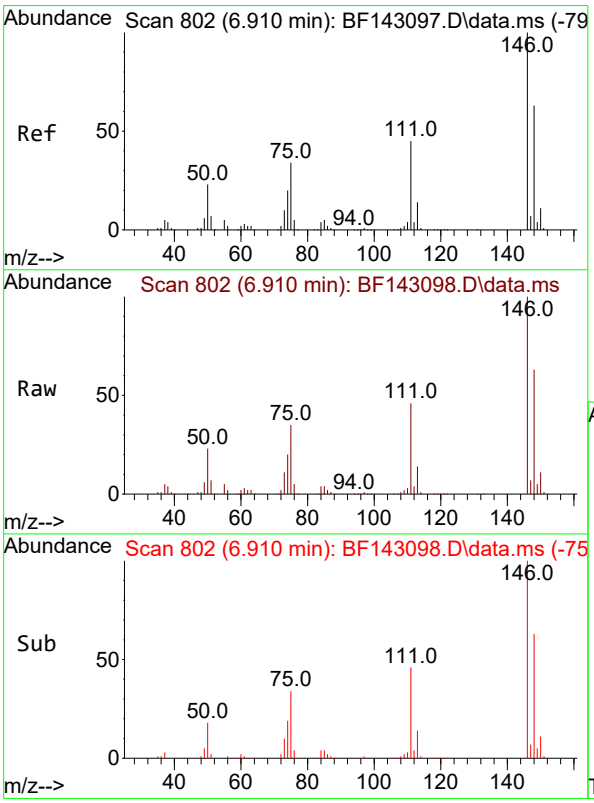
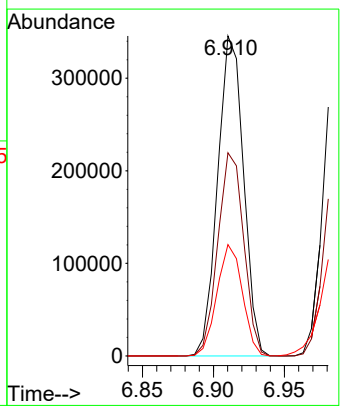
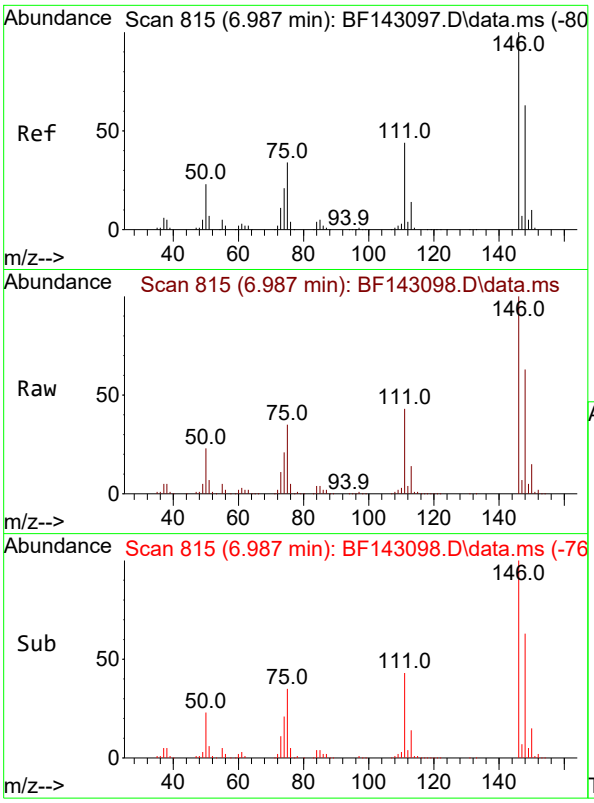



#12
1,3-Dichlorobenzene
Concen: 51.203 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:146 Resp: 437876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.5 | 50.1 | 75.1 |
| 75 | 34.8 | 27.4 | 41.0 |

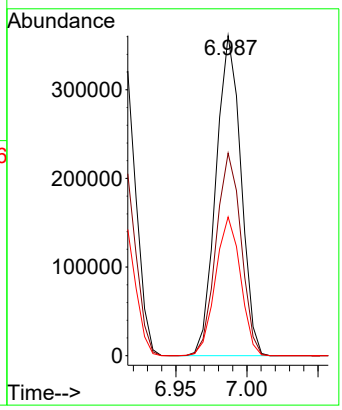





#13
1,4-Dichlorobenzene
Concen: 51.260 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:146 Resp: 44101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 50.6 | 76.0 |
| 111 | 43.3 | 35.0 | 52.6 |

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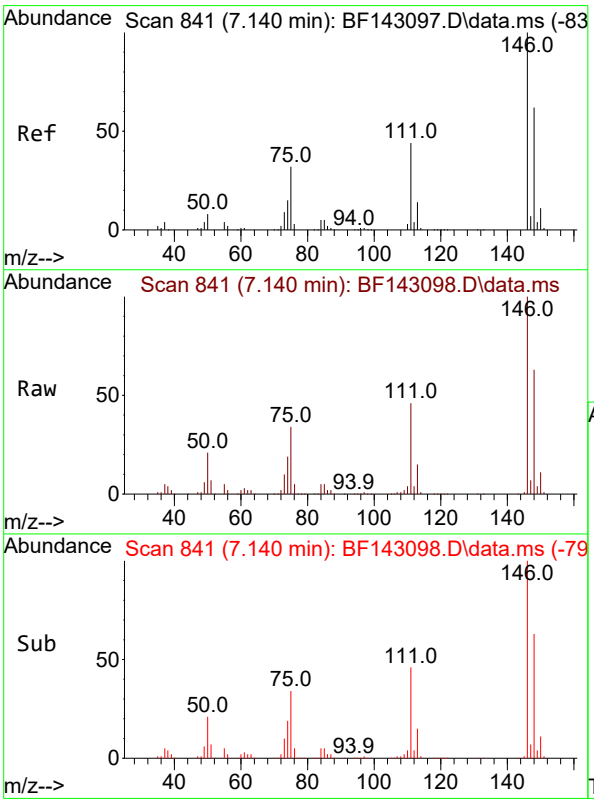
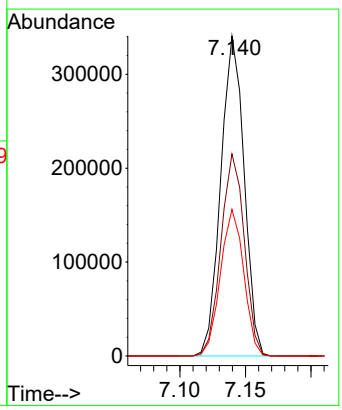
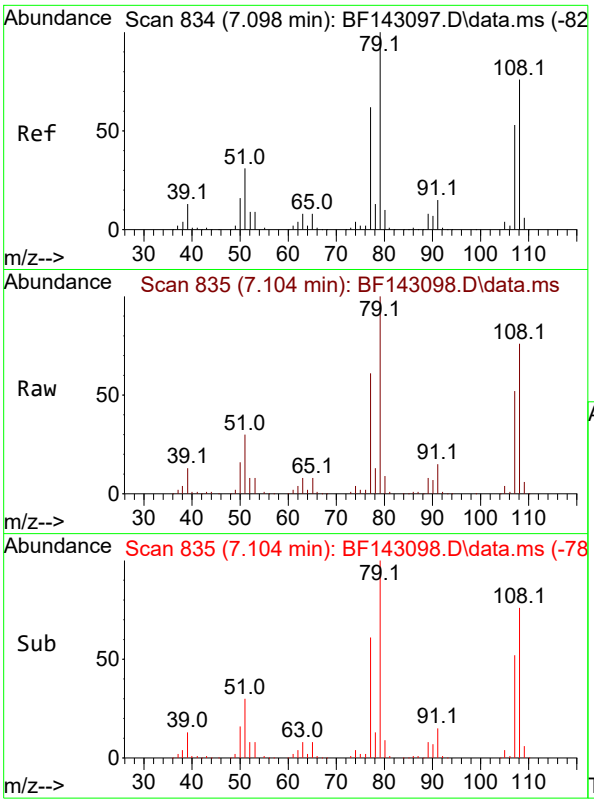



#14
1,2-Dichlorobenzene
Concen: 51.401 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:146 Resp: 421724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.1 | 49.8 | 74.6 |
| 111 | 45.8 | 35.4 | 53.0 |

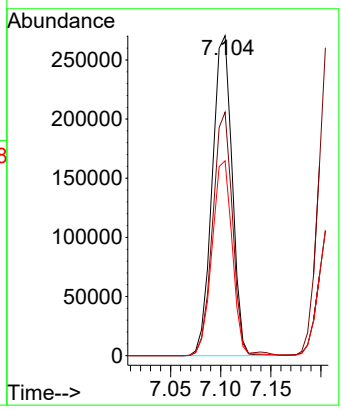





#15
Benzyl Alcohol
Concen: 53.234 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 79 Resp: 37356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.1 | 61.1 | 91.7 |
| 77 | 60.9 | 49.9 | 74.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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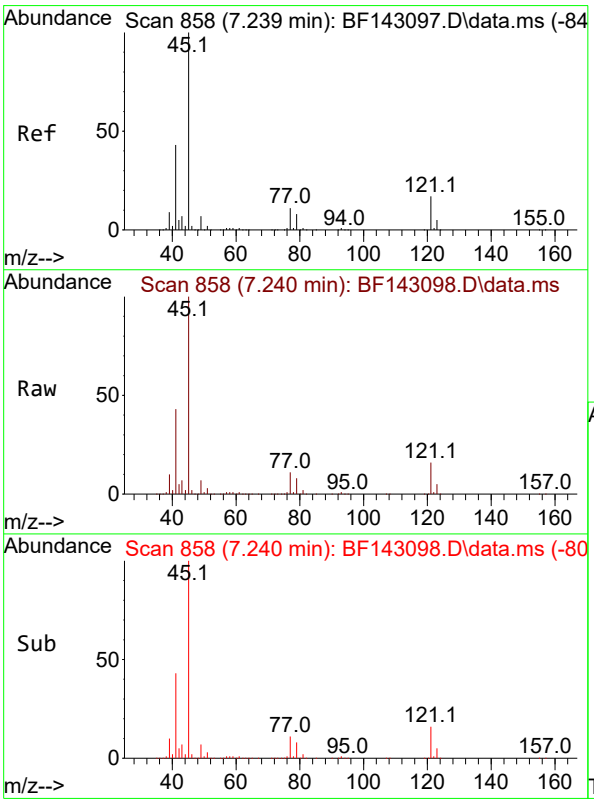
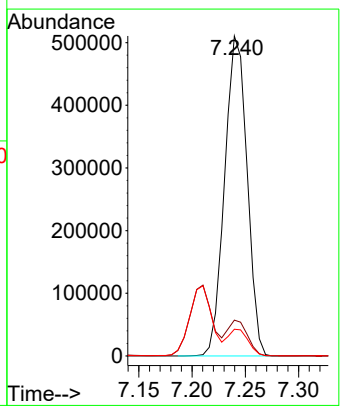
Supervised By :Jagrut Upadhyay 07/16/2025

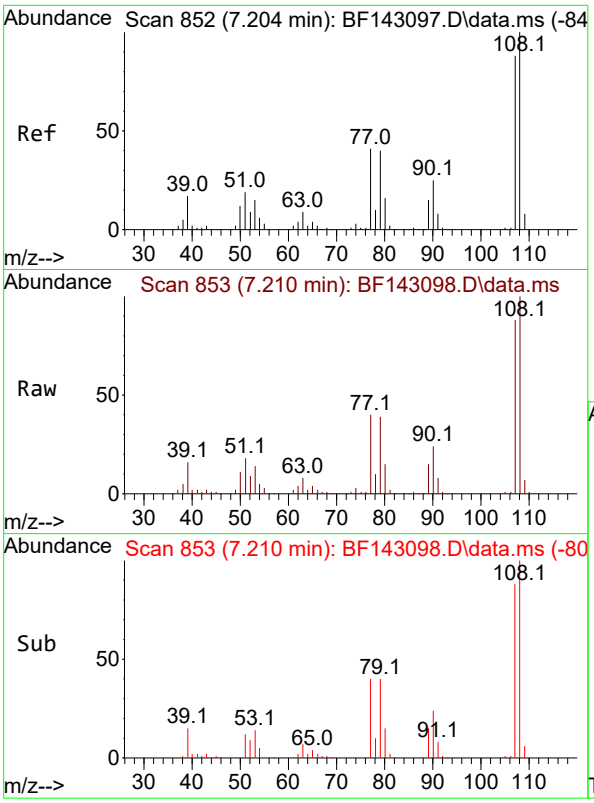



#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.187 ng
RT: 7.240 min Scan# 858
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 45 Resp: 748892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 11.2 | 0.0 | 31.1 |
| 79 | 8.4 | 0.0 | 28.4 |

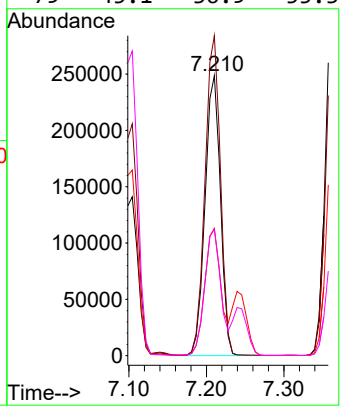





#17
2-Methylphenol
Concen: 52.409 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:107 Resp: 34235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.3 | 90.9 | 136.3 |
| 77 | 45.5 | 37.5 | 56.3 |
| 79 | 45.1 | 36.9 | 55.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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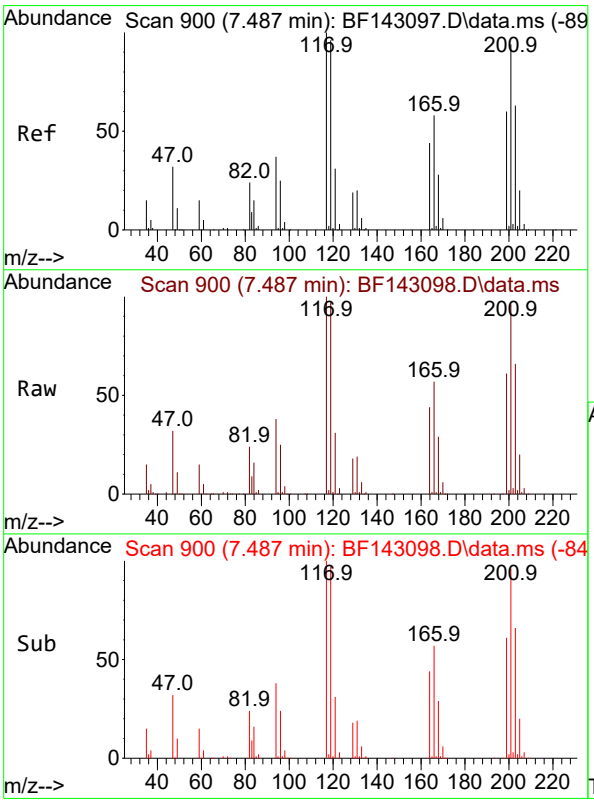
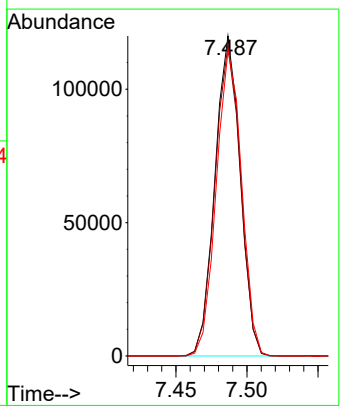
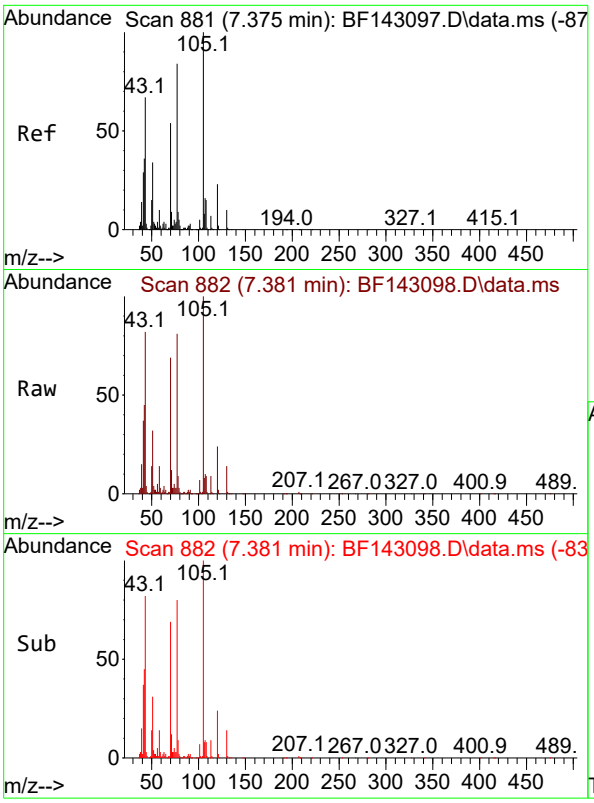



#18
Hexachloroethane
Concen: 53.114 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:117 Resp: 148761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.2 | 76.7 | 115.1 |
| 201 | 95.5 | 75.0 | 112.4 |

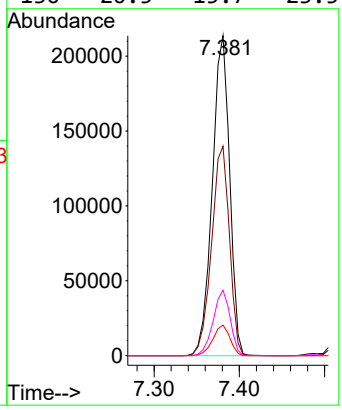





#19
n-Nitroso-di-n-propylamine
Concen: 52.169 ng
RT: 7.381 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 70 Resp: 30268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 65.5 | 53.2 | 79.8 |
| 101 | 9.6 | 7.5 | 11.3 |
| 130 | 20.5 | 15.7 | 23.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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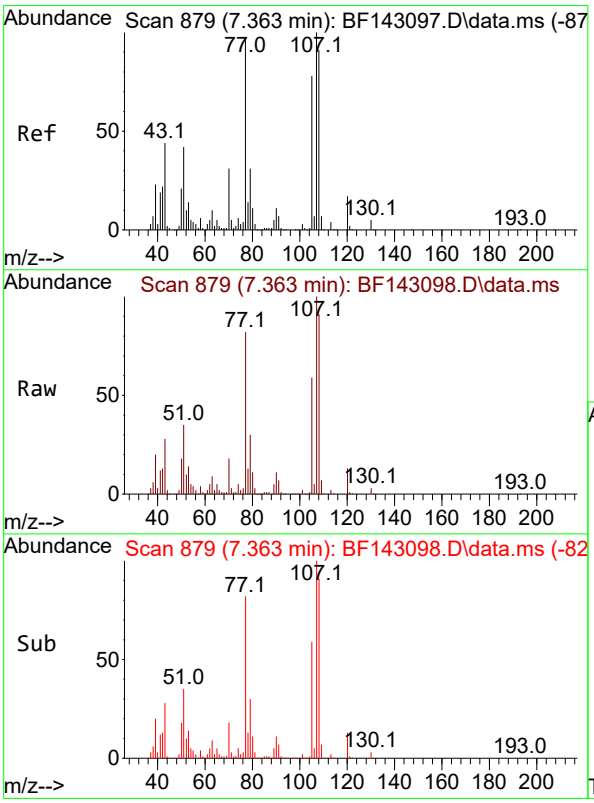
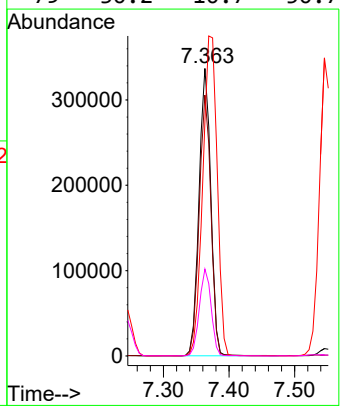
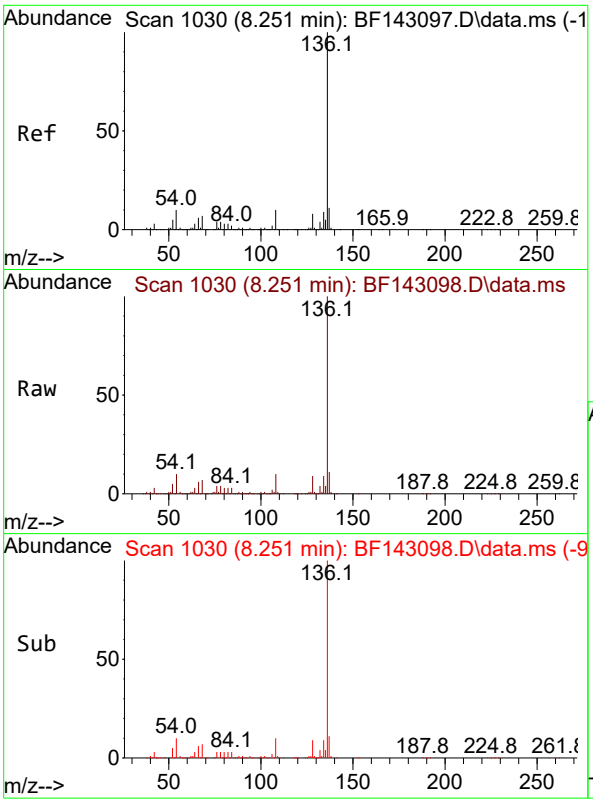



#20
3+4-Methylphenols
Concen: 52.776 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:107 Resp: 422794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.7 | 71.3 | 111.3 |
| 77 | 81.5 | 77.2 | 117.2 |
| 79 | 30.2 | 10.7 | 50.7 |

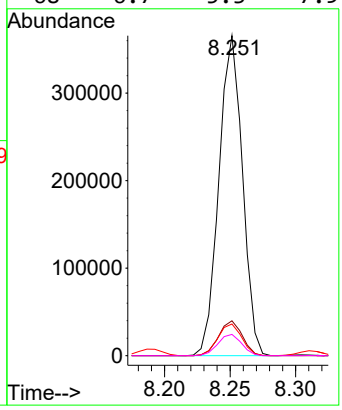





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:136 Resp: 45650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.9 | 13.3 |
| 54 | 9.9 | 8.3 | 12.5 |
| 68 | 6.7 | 5.3 | 7.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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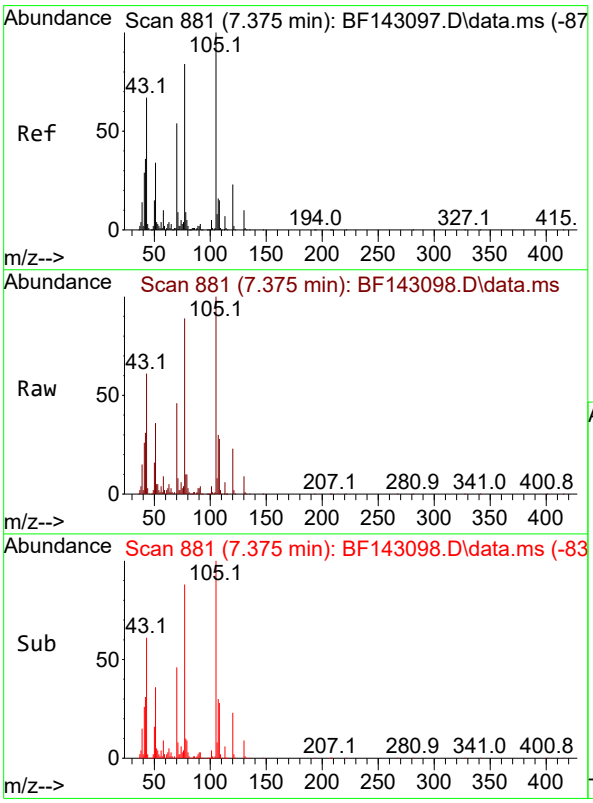
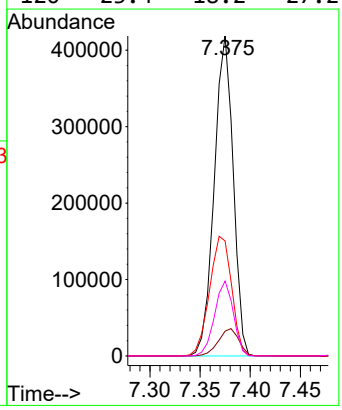
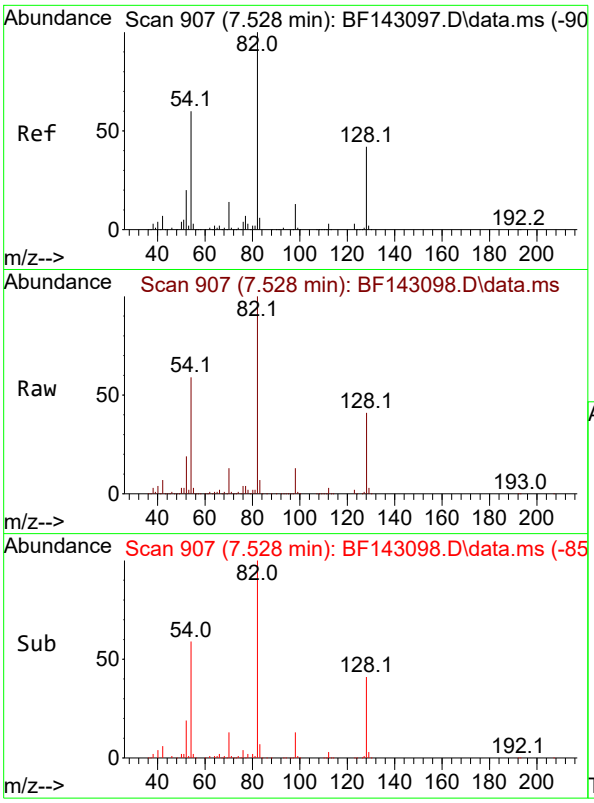



#22
Acetophenone
Concen: 49.959 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:105 Resp: 549763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.8 | 7.2 | 10.8 |
| 51 | 36.0 | 27.0 | 40.4 |
| 120 | 23.4 | 18.2 | 27.2 |

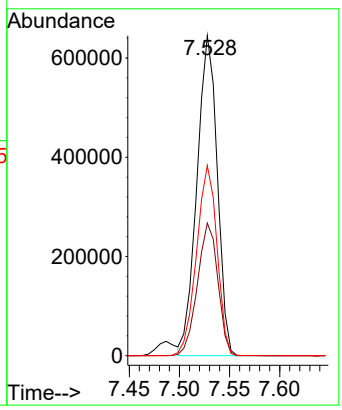





#23
Nitrobenzene-d5
Concen: 112.035 ng
RT: 7.528 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 82 Resp: 91172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.4 | 33.3 | 49.9 |
| 54 | 59.4 | 47.4 | 71.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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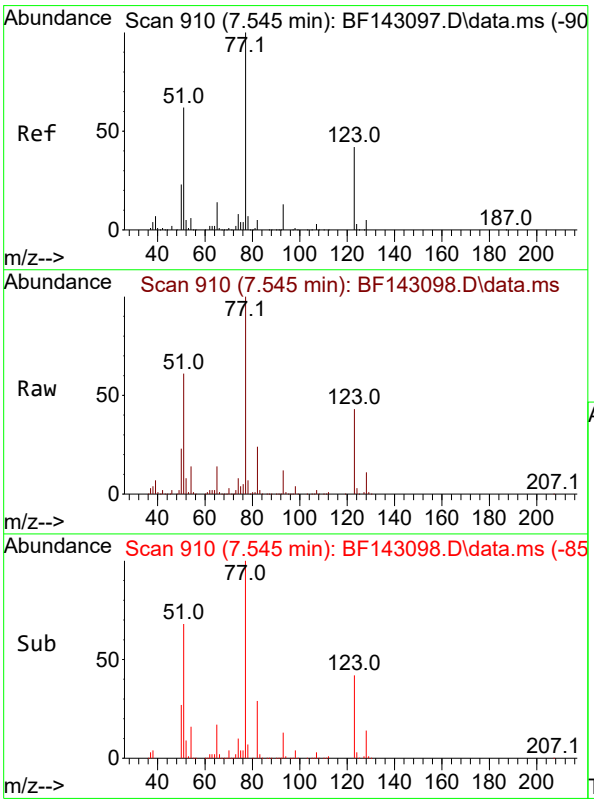
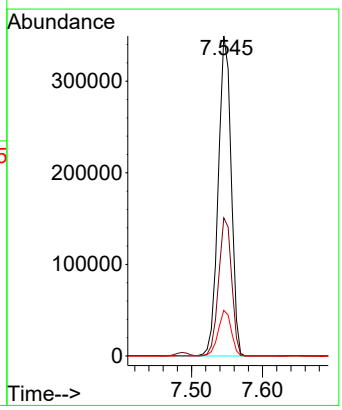
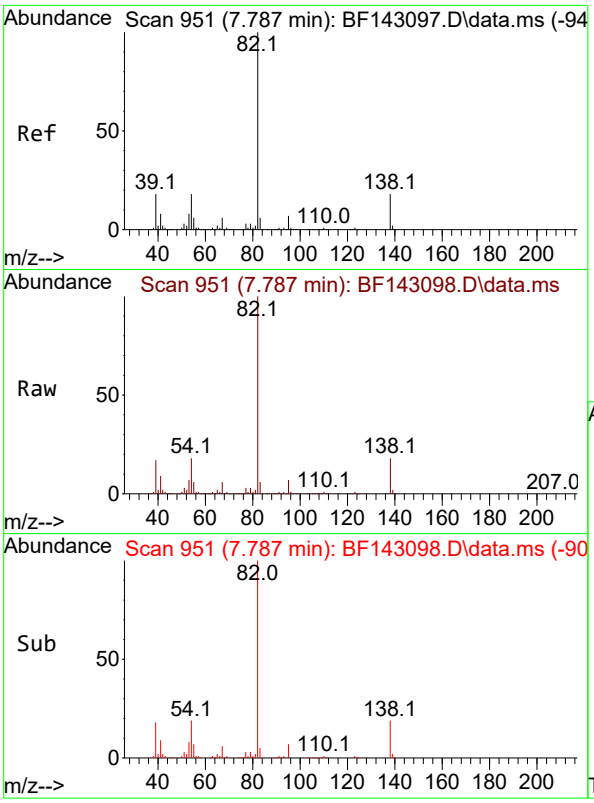



#24
Nitrobenzene
Concen: 55.918 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 77 Resp: 439273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 43.2 | 34.5 | 51.7 |
| 65 | 14.3 | 11.3 | 16.9 |

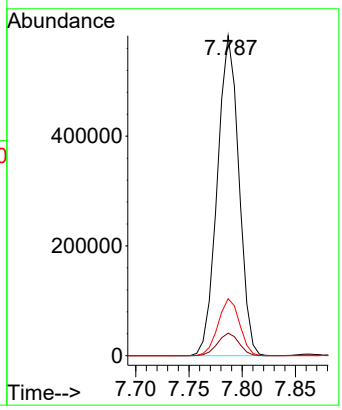





#25
Isophorone
Concen: 52.088 ng
RT: 7.787 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 82 Resp: 81927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.0 | 5.6 | 8.4 |
| 138 | 17.8 | 14.3 | 21.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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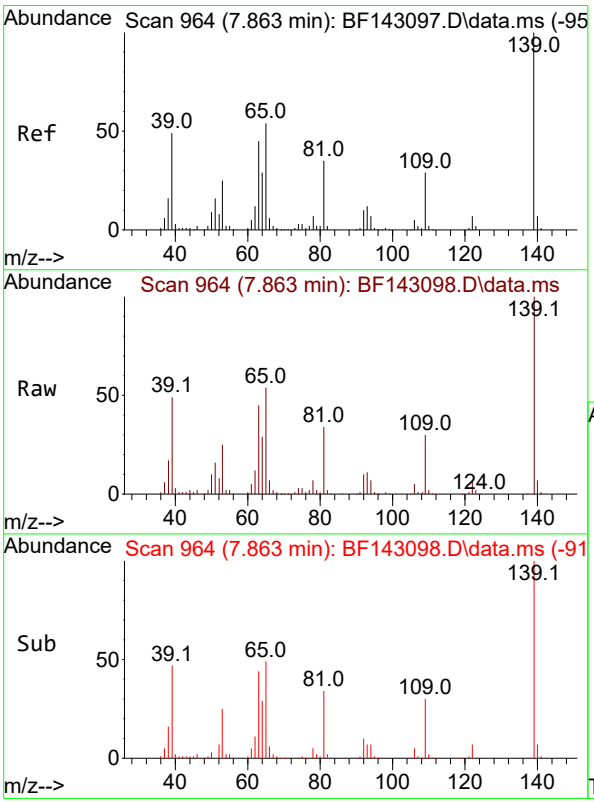
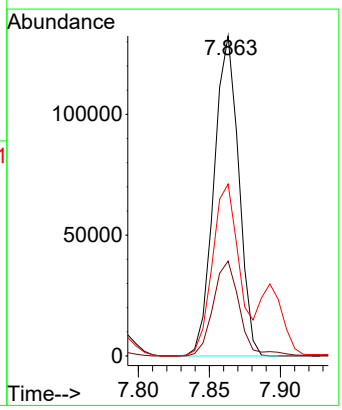
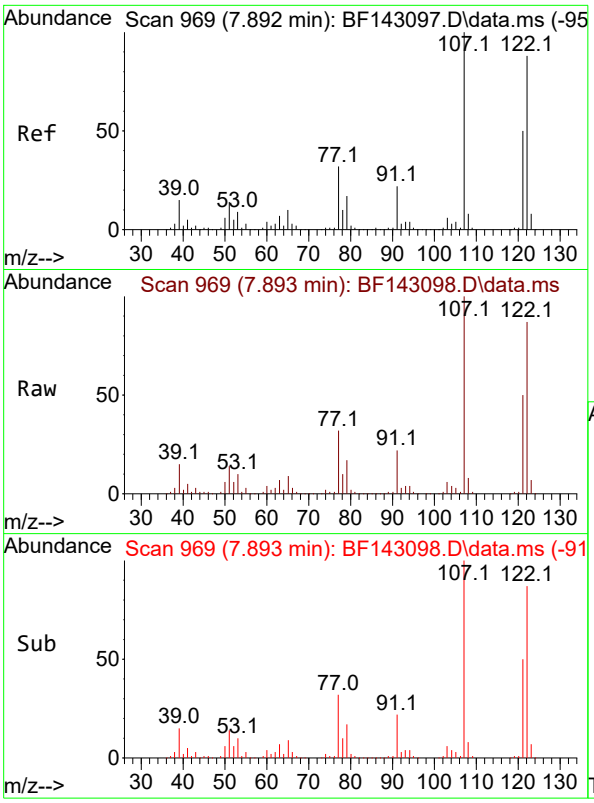



#26
2-Nitrophenol
Concen: 50.837 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:139 Resp: 160386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 29.7 | 23.4 | 35.0 |
| 65 | 53.7 | 43.4 | 65.2 |

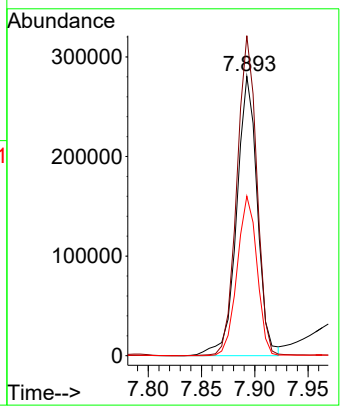





#27
2,4-Dimethylphenol
Concen: 51.976 ng
RT: 7.893 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:122 Resp: 37943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 114.5 | 91.3 | 136.9 |
| 121 | 57.1 | 45.5 | 68.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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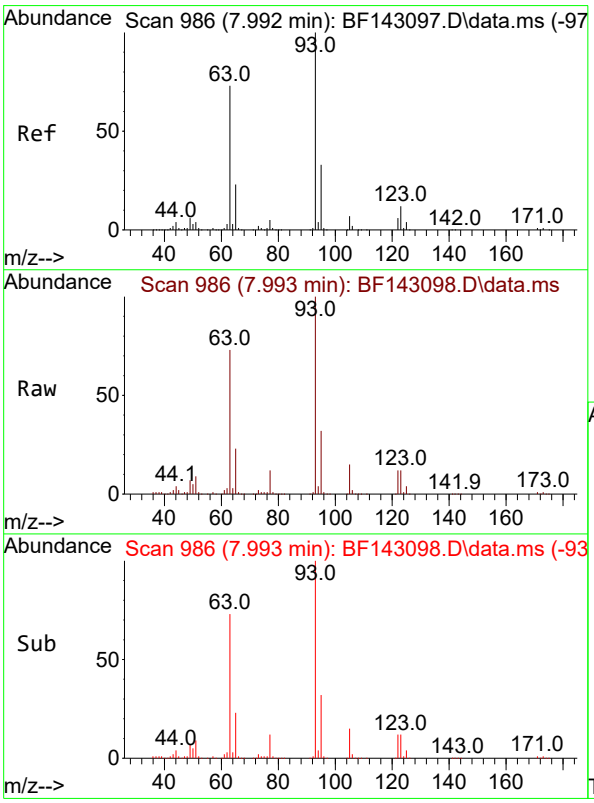
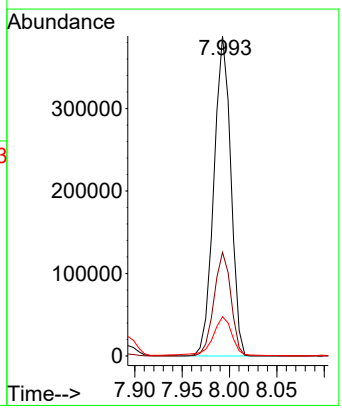
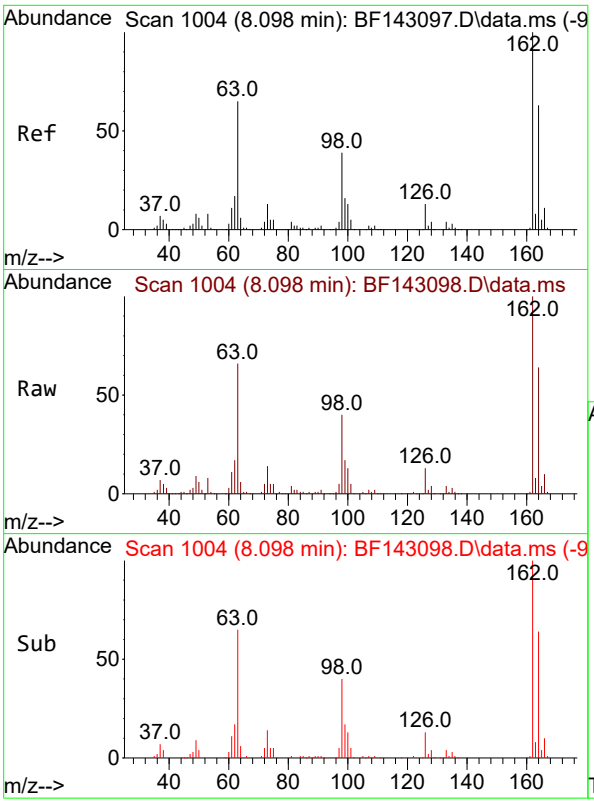



#28
bis(2-Chloroethoxy)methane
Concen: 50.704 ng
RT: 7.993 min Scan# 986
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 93 Resp: 483608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.4 | 26.2 | 39.4 |
| 123 | 12.2 | 9.6 | 14.4 |






#29
2,4-Dichlorophenol
Concen: 53.575 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:162 Resp: 31996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.7 | 43.1 | 83.1 |
| 98 | 40.4 | 19.2 | 59.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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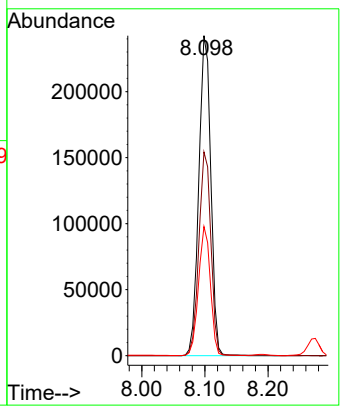
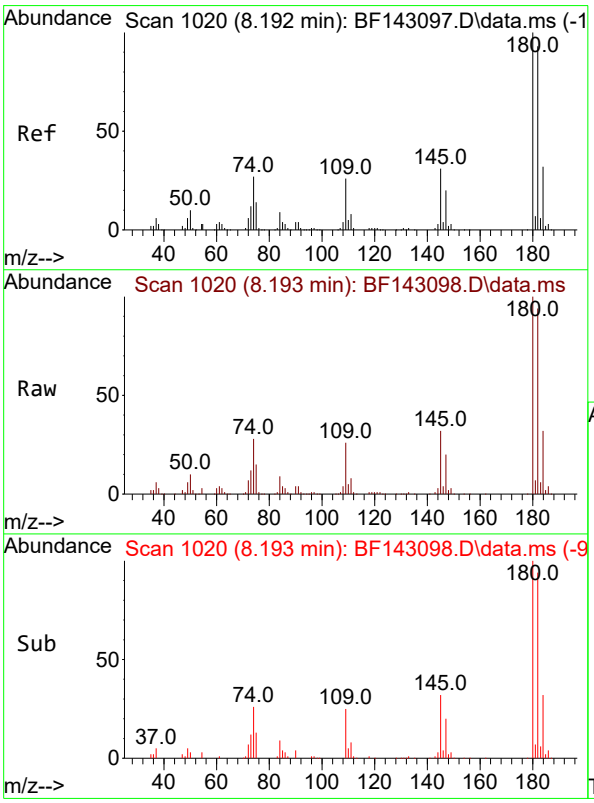
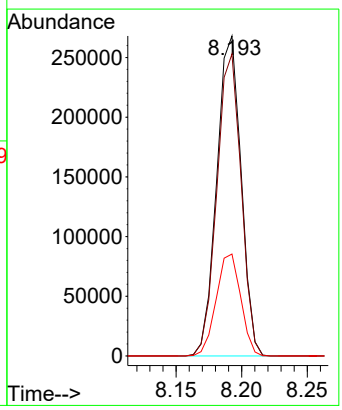


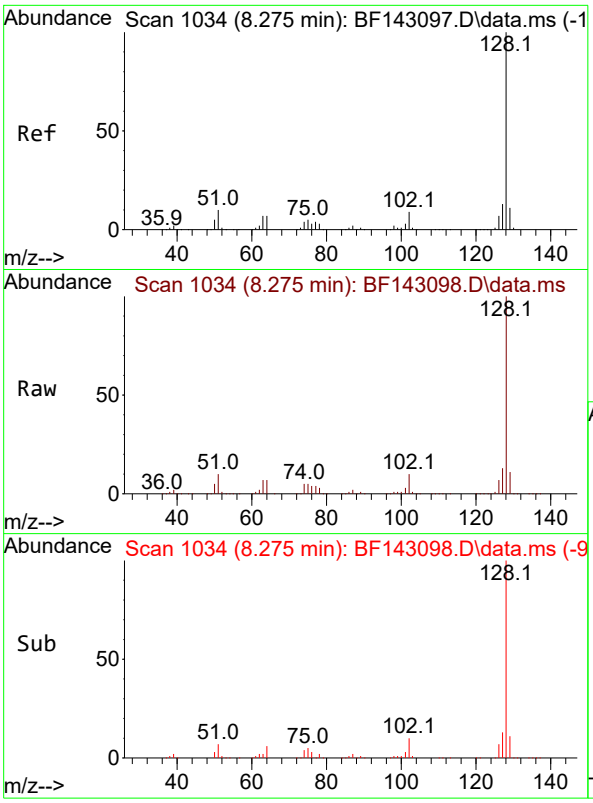




#30
1,2,4-Trichlorobenzene
Concen: 50.958 ng
RT: 8.193 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:180 Resp: 345389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.3 | 74.7 | 112.1 |
| 145 | 31.8 | 24.5 | 36.7 |






#31
Naphthalene
Concen: 49.700 ng
RT: 8.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:128 Resp: 112665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 9.0 | 13.4 |
| 127 | 13.3 | 10.5 | 15.7 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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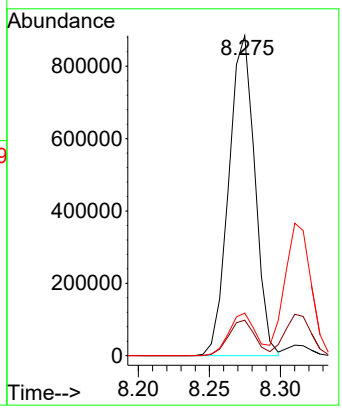
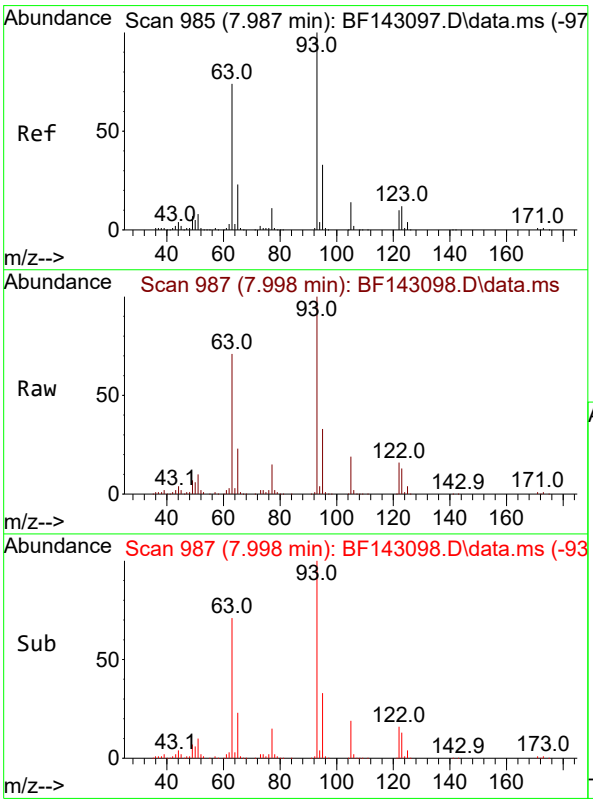
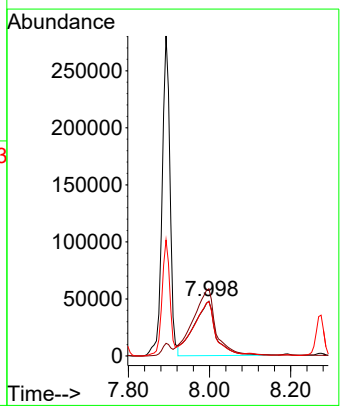


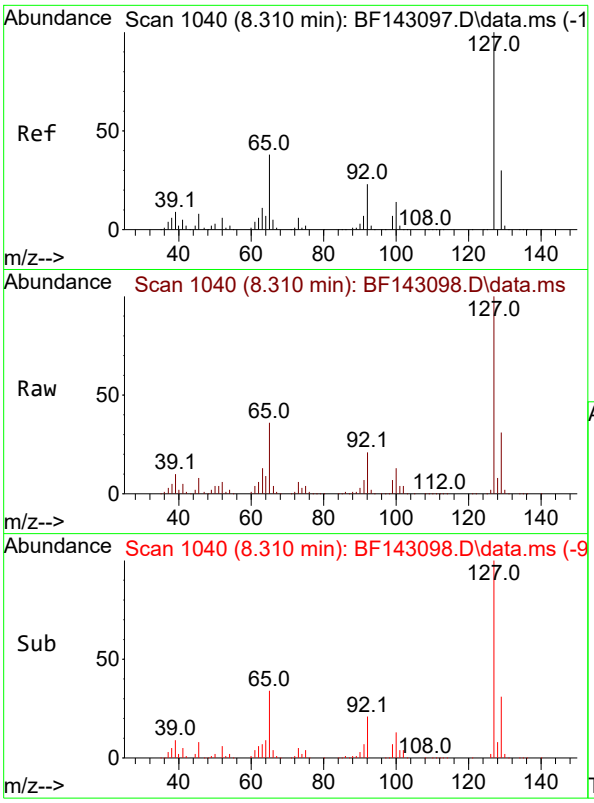




#32
Benzoic acid
Concen: 49.535 ng
RT: 7.998 min Scan# 987
Delta R.T. 0.011 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:122 Resp: 180966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 122.8 | 105.4 | 145.4 |
| 77 | 99.4 | 78.6 | 118.6 |

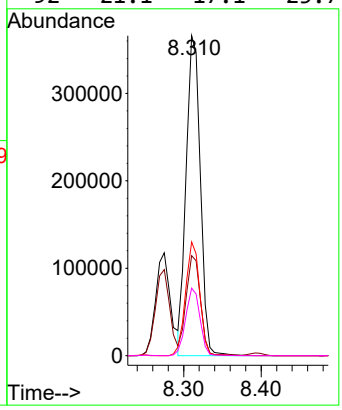





#33
4-Chloroaniline
Concen: 51.237 ng
RT: 8.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:127 Resp: 46707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.3 | 26.2 | 39.4 |
| 65 | 35.6 | 28.6 | 42.8 |
| 92 | 21.1 | 17.1 | 25.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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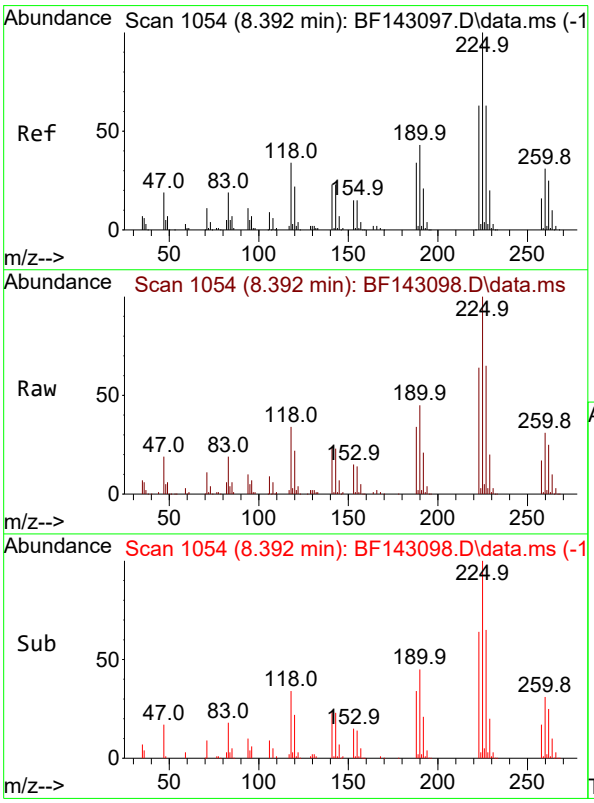
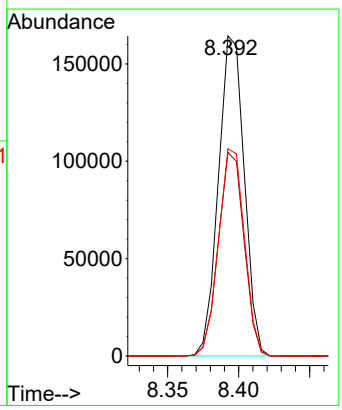
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

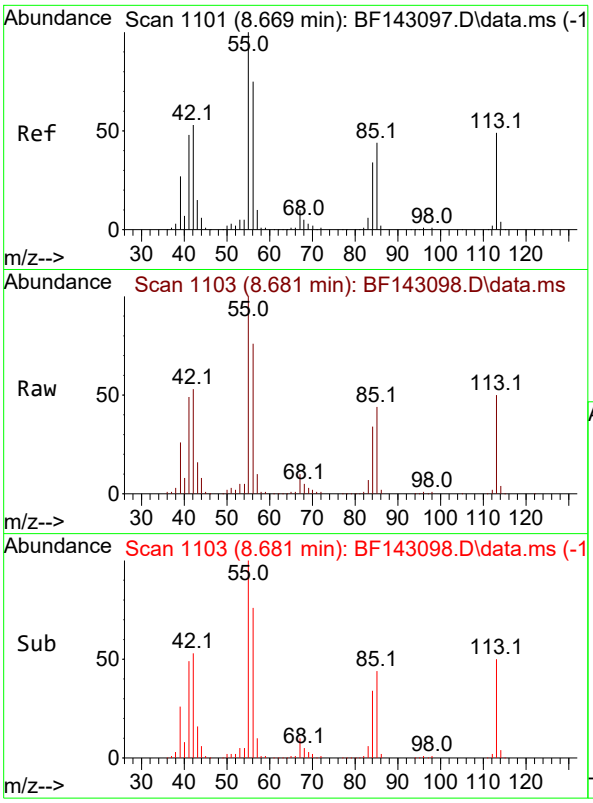



#34
Hexachlorobutadiene
Concen: 51.263 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:225 Resp: 207797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.6 | 50.3 | 75.5 |
| 227 | 64.7 | 50.1 | 75.1 |

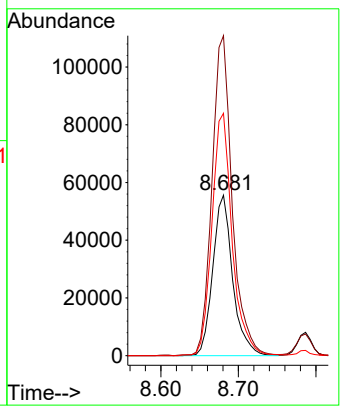





#35
Caprolactam
Concen: 53.162 ng
RT: 8.681 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:113 Resp: 9914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 199.4 | 186.2 | 226.2 |
| 56 | 151.0 | 134.1 | 174.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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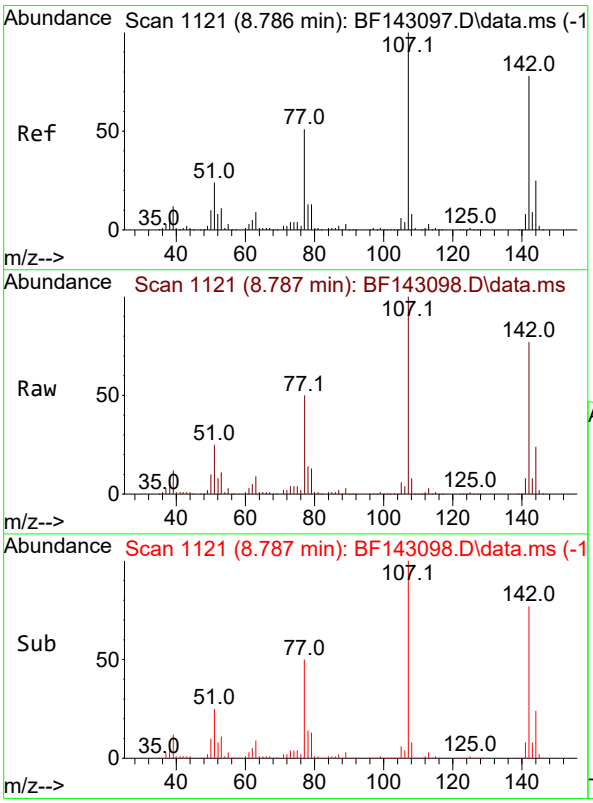
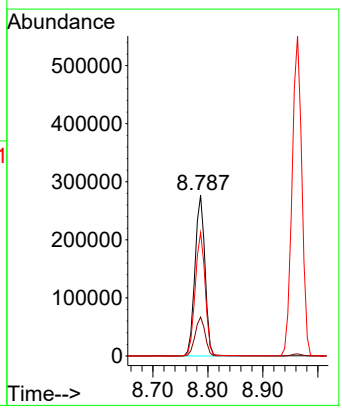
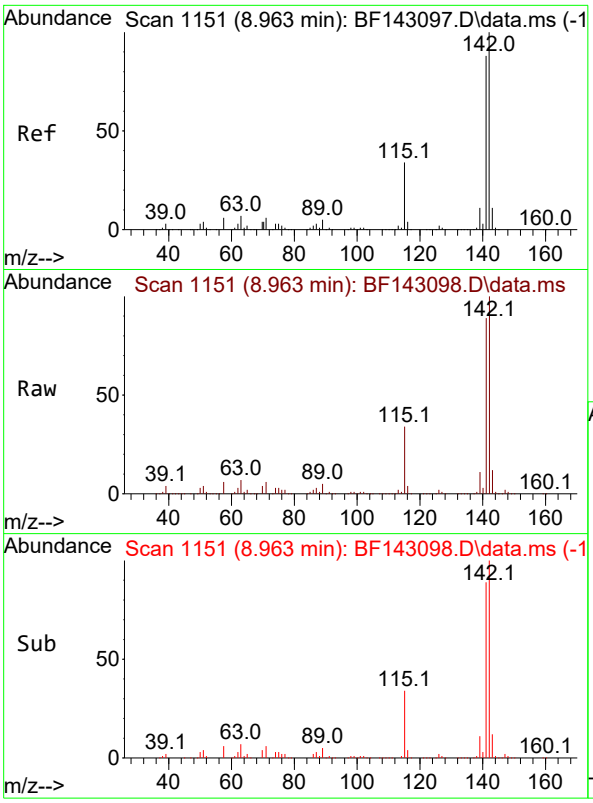



#36
4-Chloro-3-methylphenol
Concen: 52.746 ng
RT: 8.787 min Scan# 1121
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:107 Resp: 350906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.2 | 20.2 | 30.2 |
| 142 | 76.8 | 62.4 | 93.6 |

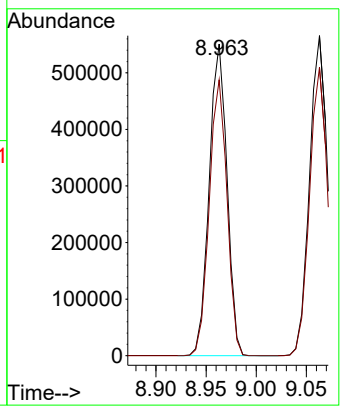





#37
2-Methylnaphthalene
Concen: 50.410 ng
RT: 8.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:142 Resp: 68172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.5 | 70.2 | 105.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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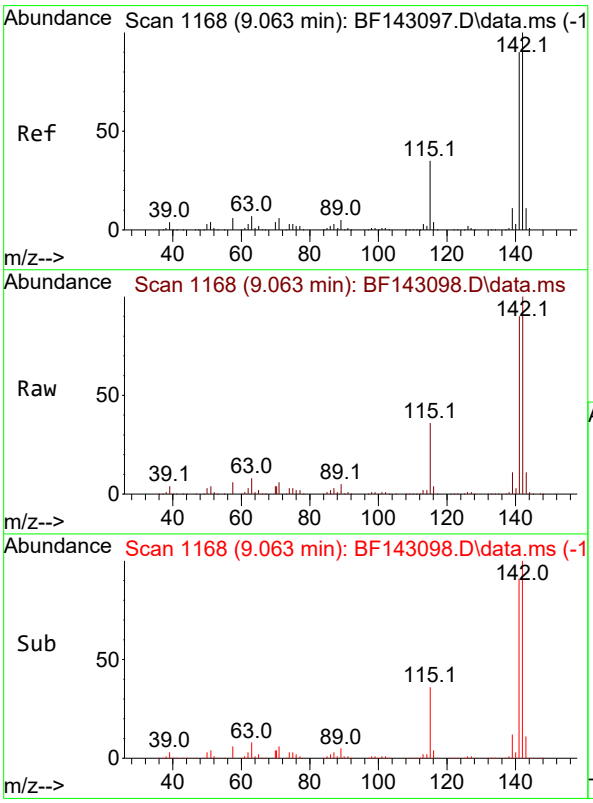
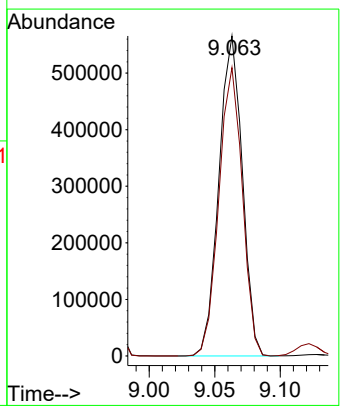
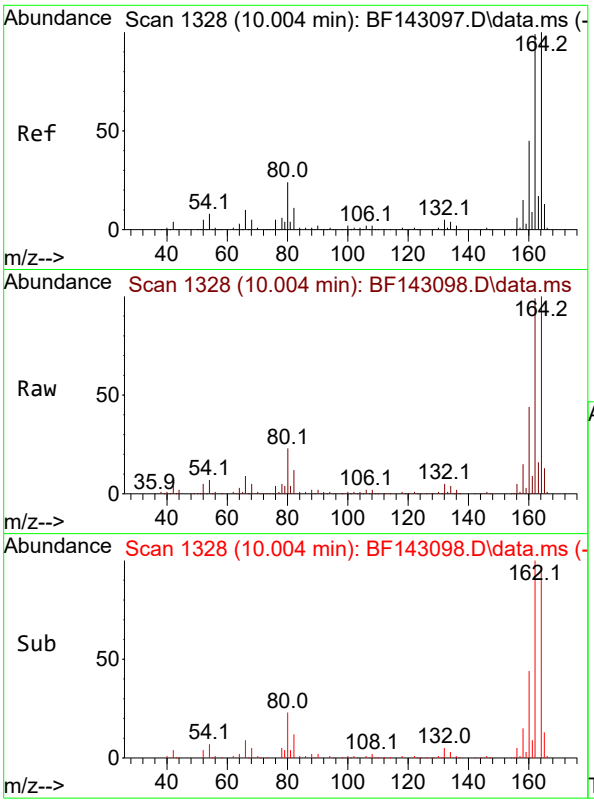



#38
1-Methylnaphthalene
Concen: 50.016 ng
RT: 9.063 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:142 Resp: 701548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.1 | 72.2 | 108.4 |

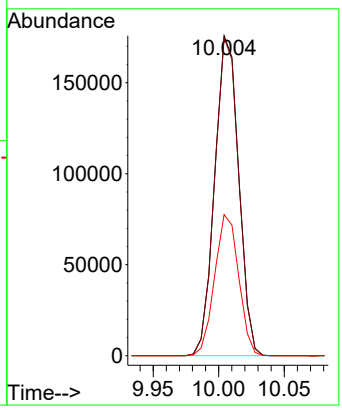





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:164 Resp: 22312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.3 | 79.0 | 118.6 |
| 160 | 44.1 | 35.8 | 53.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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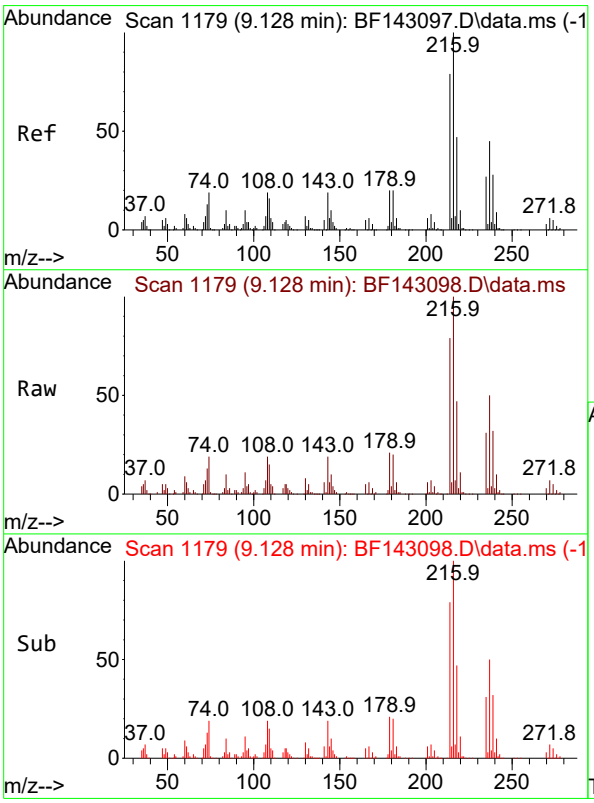
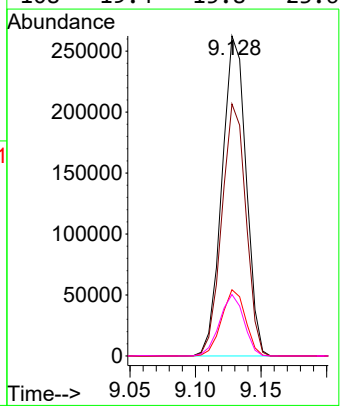
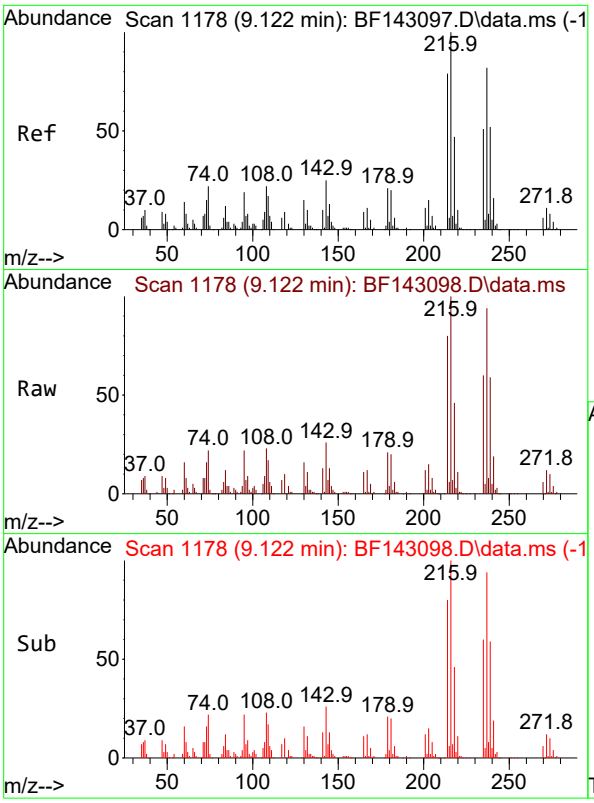



#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.551 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:216 Resp: 335206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.5 | 62.6 | 94.0 |
| 179 | 20.5 | 16.2 | 24.2 |
| 108 | 19.4 | 15.8 | 23.6 |






#41
Hexachlorocyclopentadiene
Concen: 55.147 ng
RT: 9.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:237 Resp: 19881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.4 | 41.6 | 81.6 |
| 272 | 13.1 | 0.0 | 32.9 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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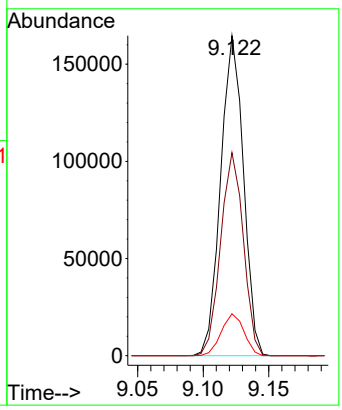
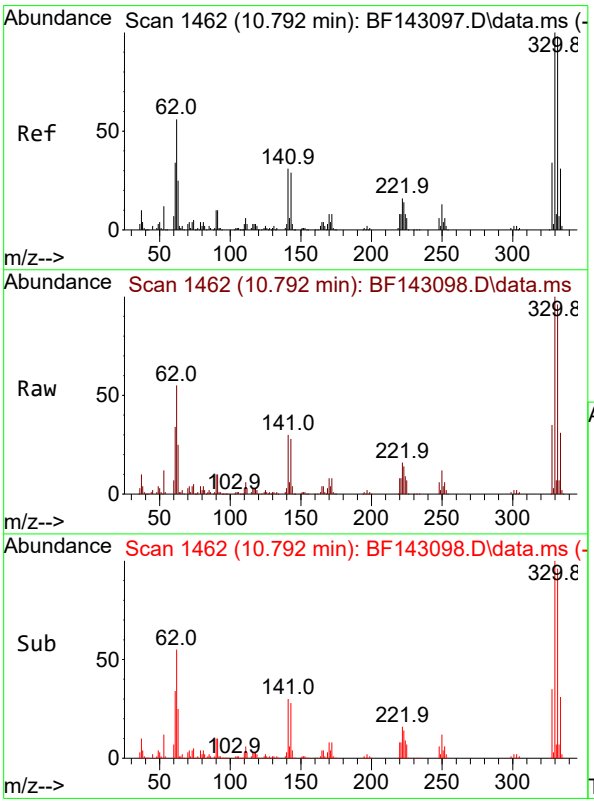
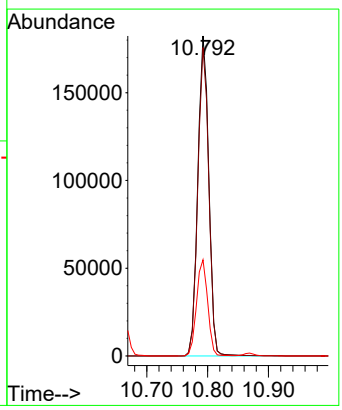


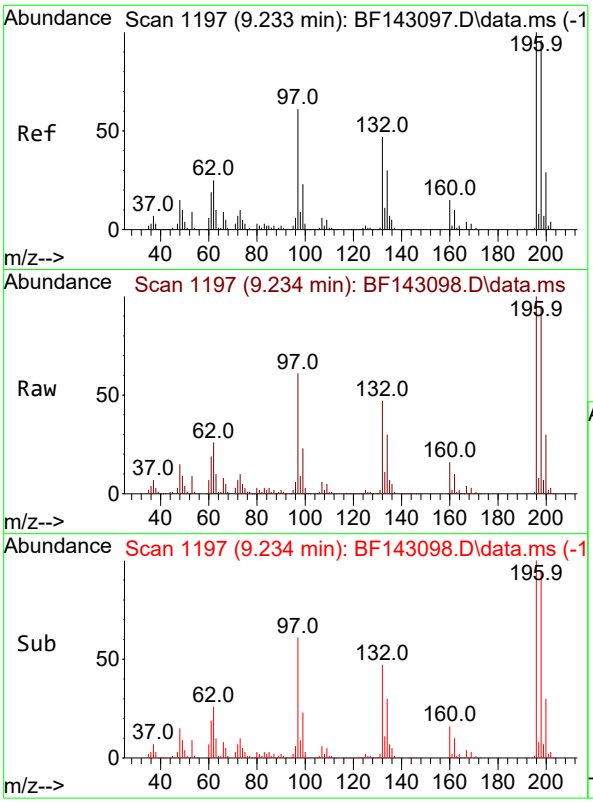




#42
2,4,6-Tribromophenol
Concen: 114.439 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:330 Resp: 227678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.3 | 77.9 | 116.9 |
| 141 | 30.5 | 25.9 | 38.9 |

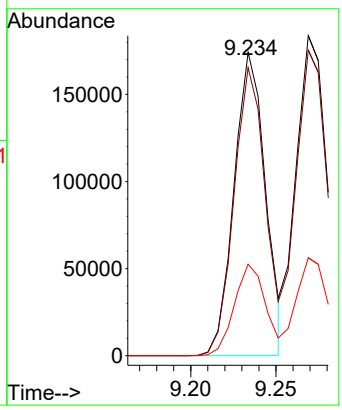





#43
2,4,6-Trichlorophenol
Concen: 55.226 ng
RT: 9.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:196 Resp: 22313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.9 | 76.9 | 115.3 |
| 200 | 30.2 | 23.5 | 35.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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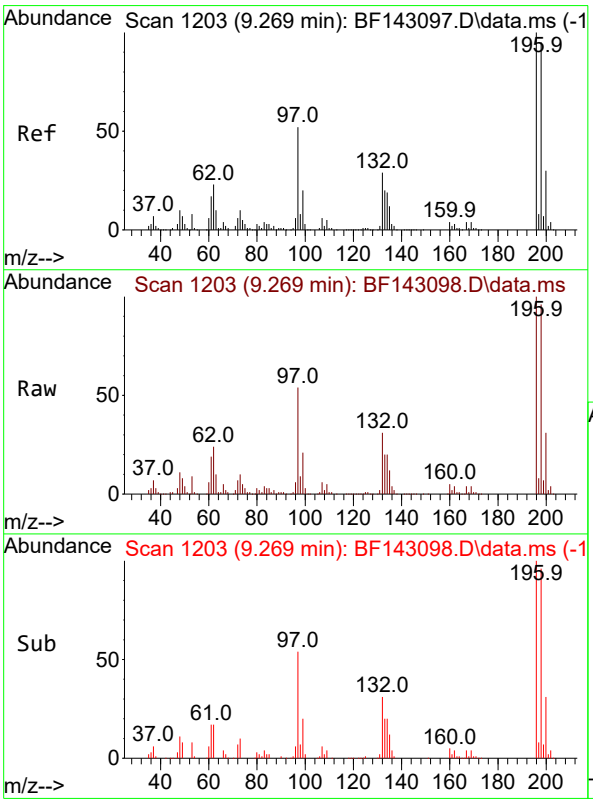
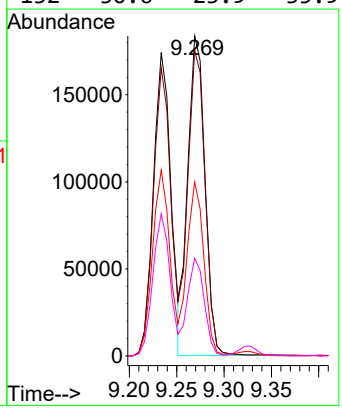
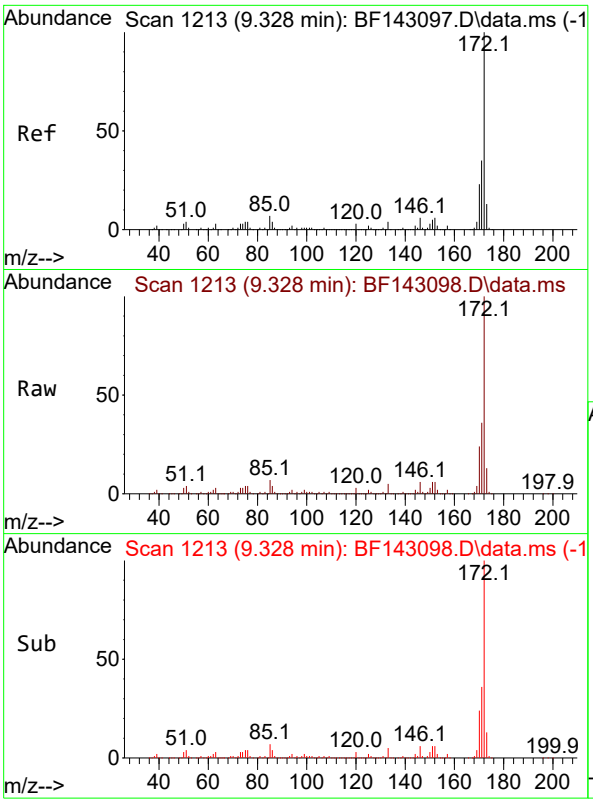



#44
2,4,5-Trichlorophenol
Concen: 54.977 ng
RT: 9.269 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:196 Resp: 232905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.5 | 76.4 | 114.6 |
| 97 | 54.3 | 42.4 | 63.6 |
| 132 | 30.6 | 23.9 | 35.9 |

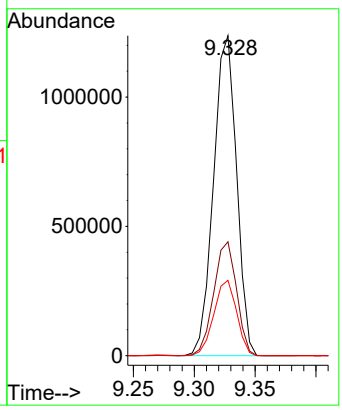





#45
2-Fluorobiphenyl
Concen: 97.028 ng
RT: 9.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:172 Resp: 162865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.6 | 28.2 | 42.4 |
| 170 | 23.6 | 18.6 | 28.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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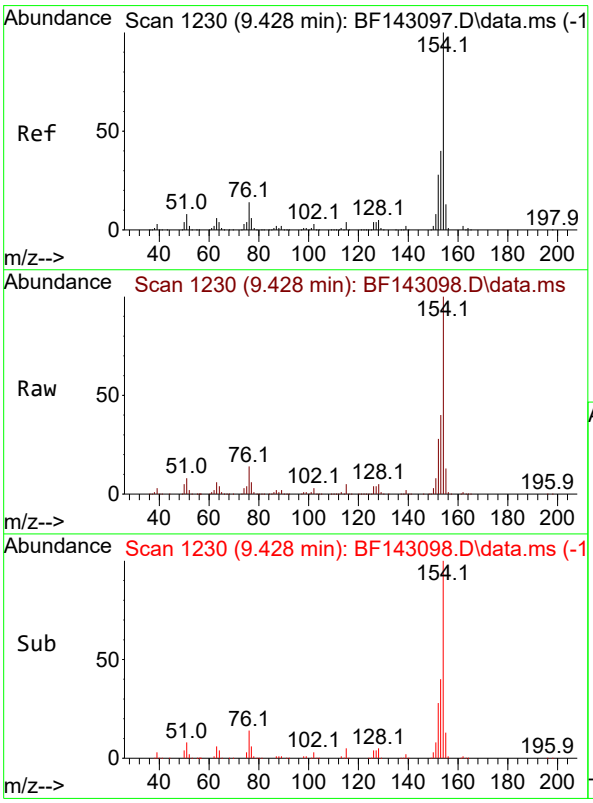
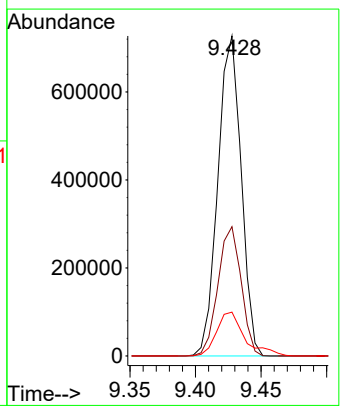
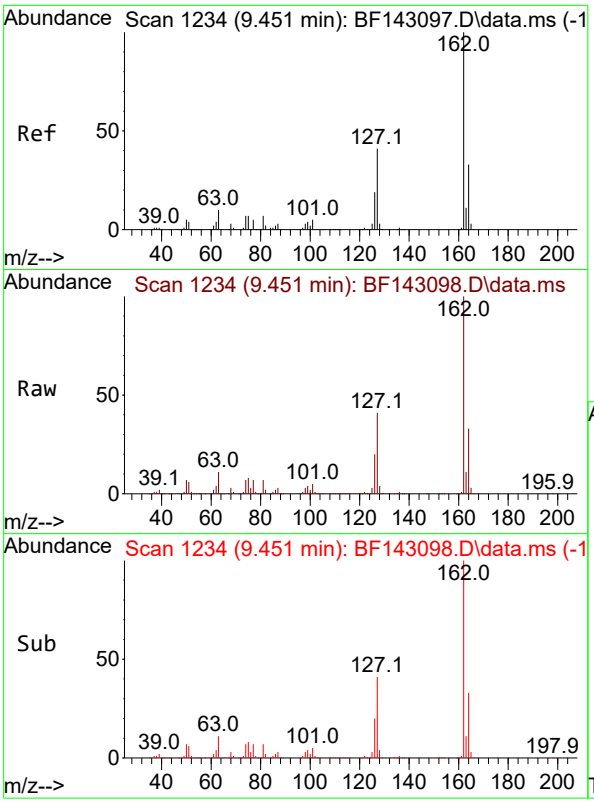



#46
1,1'-Biphenyl
Concen: 50.458 ng
RT: 9.428 min Scan# 1230
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:154 Resp: 897834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.4 | 20.1 | 60.1 |
| 76 | 13.7 | 0.0 | 33.7 |

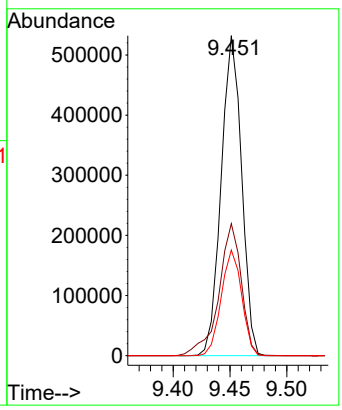





#47
2-Chloronaphthalene
Concen: 51.007 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:162 Resp: 66676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.2 | 33.0 | 49.6 |
| 164 | 33.0 | 26.1 | 39.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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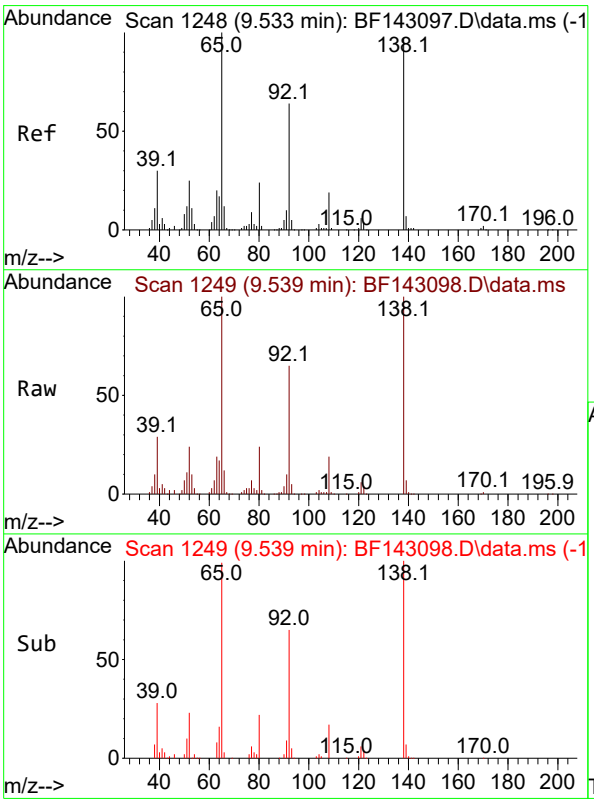
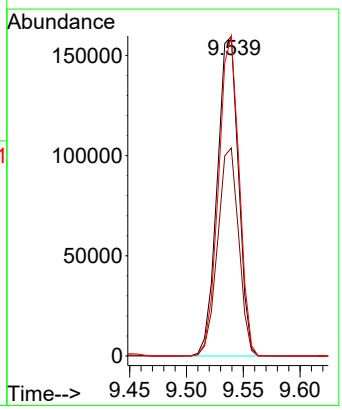
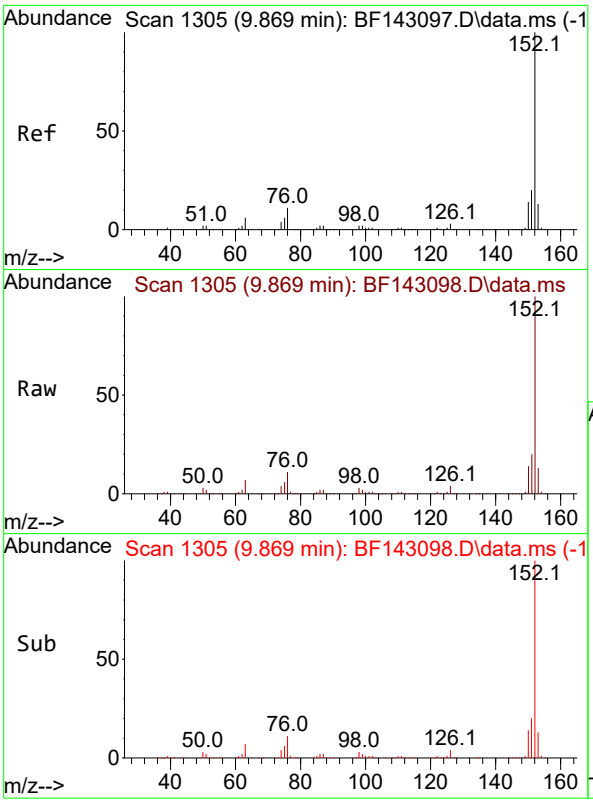



#48
2-Nitroaniline
Concen: 52.775 ng
RT: 9.539 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 65 Resp: 207291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 65.1 | 51.3 | 76.9 |
| 138 | 100.2 | 77.8 | 116.6 |

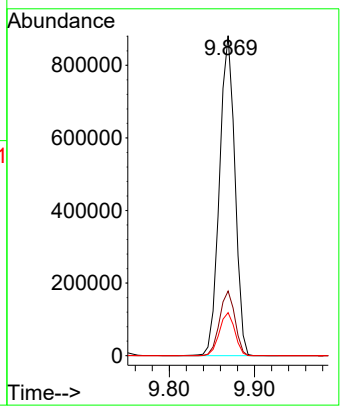





#49
Acenaphthylene
Concen: 50.940 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:152 Resp: 110958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.2 | 15.8 | 23.8 |
| 153 | 13.4 | 10.4 | 15.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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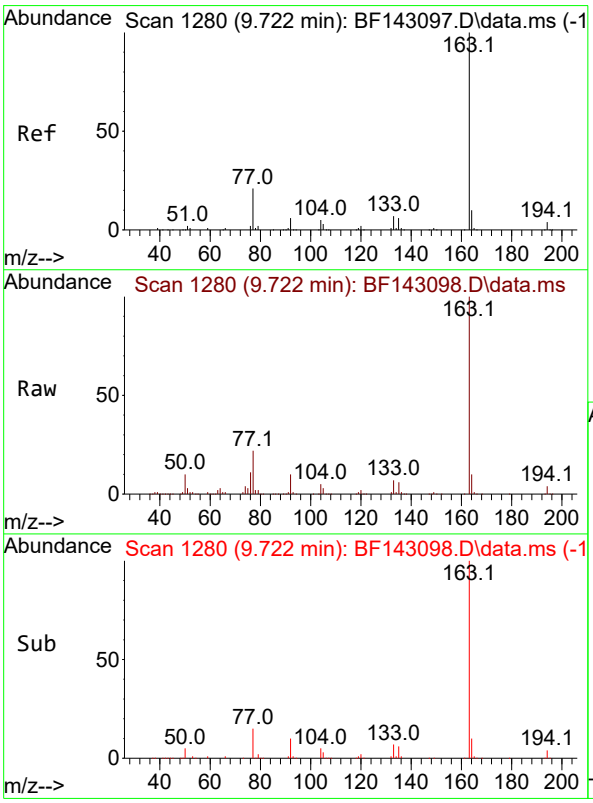
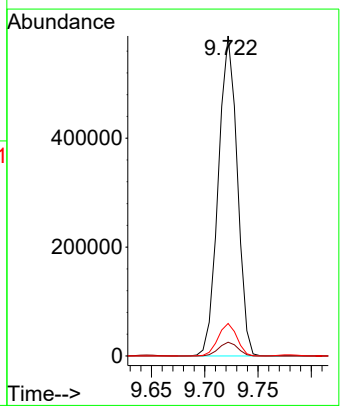
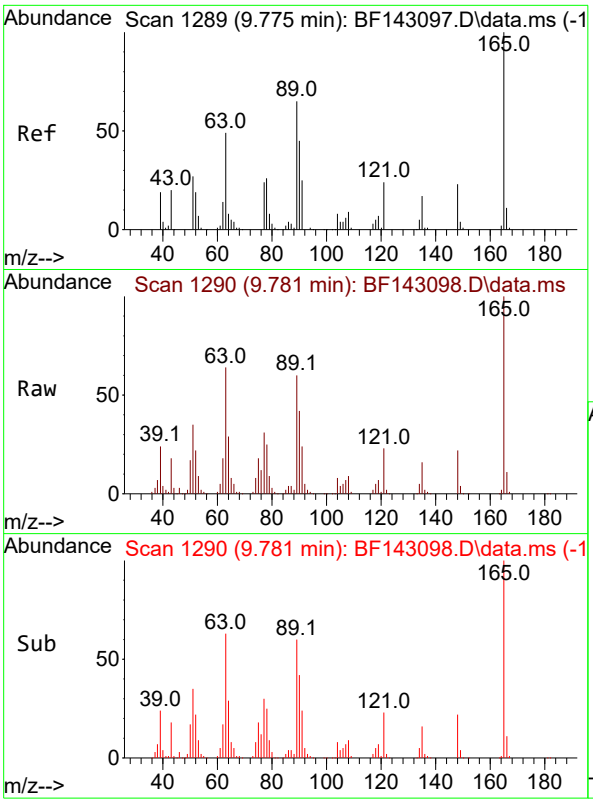



#50
Dimethylphthalate
Concen: 51.728 ng
RT: 9.722 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:163 Resp: 726121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.4 | 5.2 |
| 164 | 10.1 | 8.2 | 12.2 |

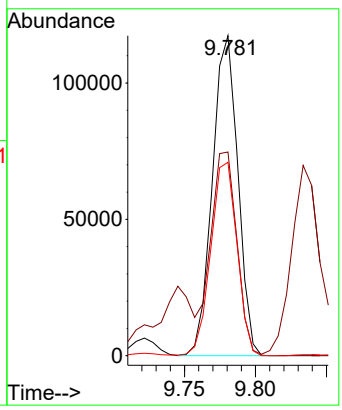





#51
2,6-Dinitrotoluene
Concen: 52.497 ng
RT: 9.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:165 Resp: 14638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 63.7 | 57.4 | 86.0 |
| 89 | 60.4 | 51.8 | 77.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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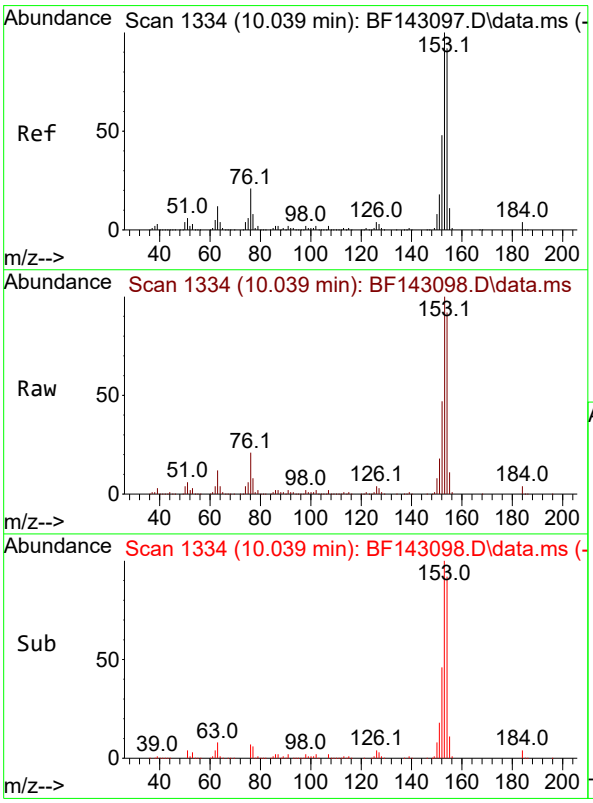
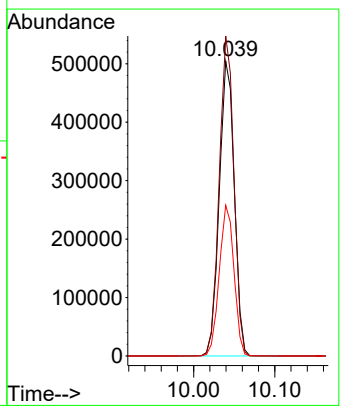
Supervised By :Jagrut Upadhyay 07/16/2025

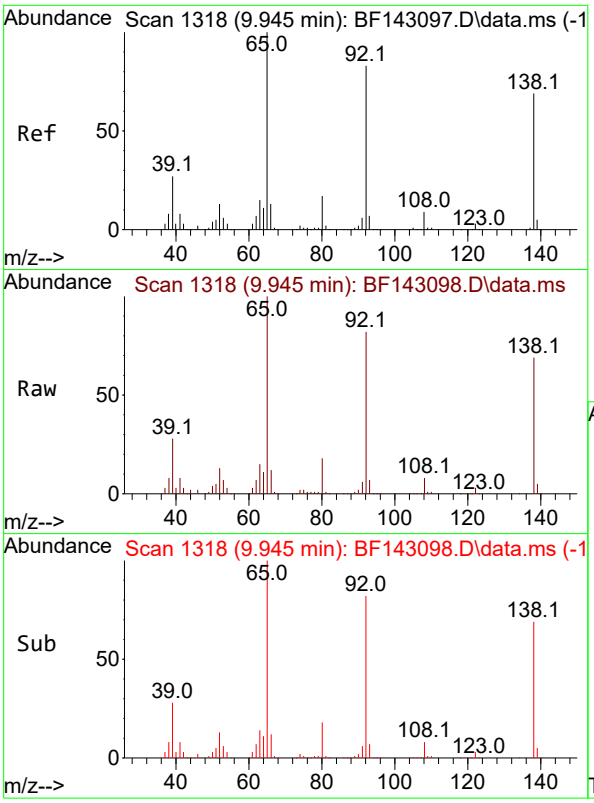



#52
Acenaphthene
Concen: 50.669 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:154 Resp: 651291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 108.6 | 86.7 | 130.1 |
| 152 | 51.1 | 41.4 | 62.2 |






#53
3-Nitroaniline
Concen: 58.553 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:138 Resp: 17760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 12.1 | 10.1 | 15.1 |
| 92 | 119.6 | 96.4 | 144.6 |

**Instrument :**
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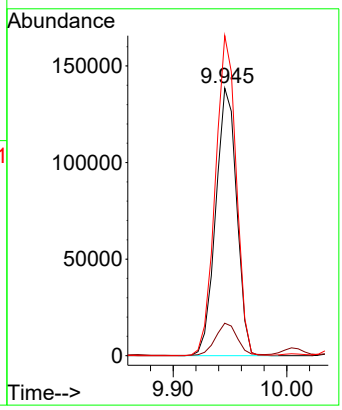
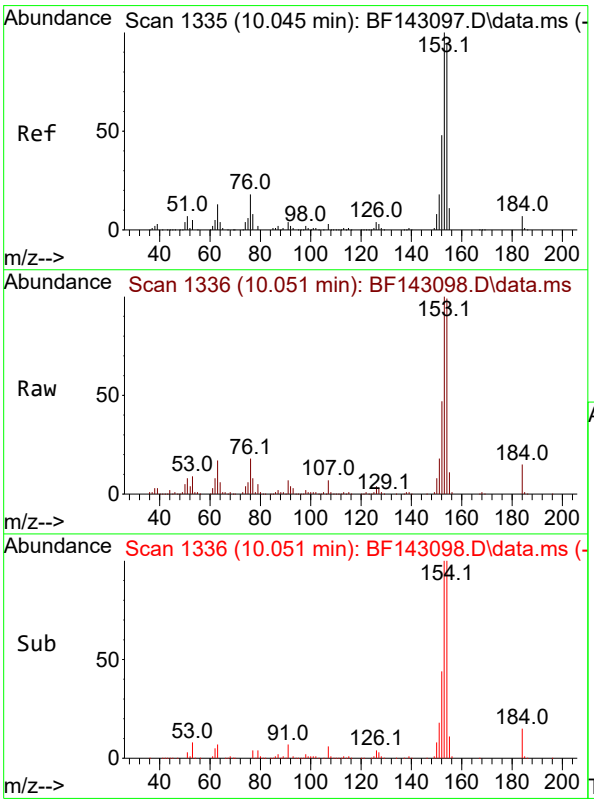
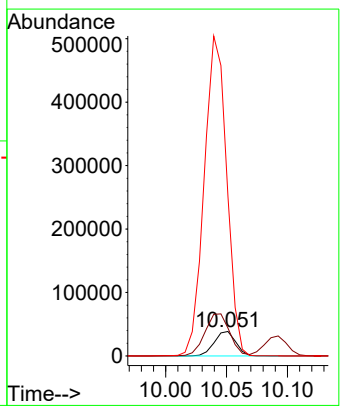


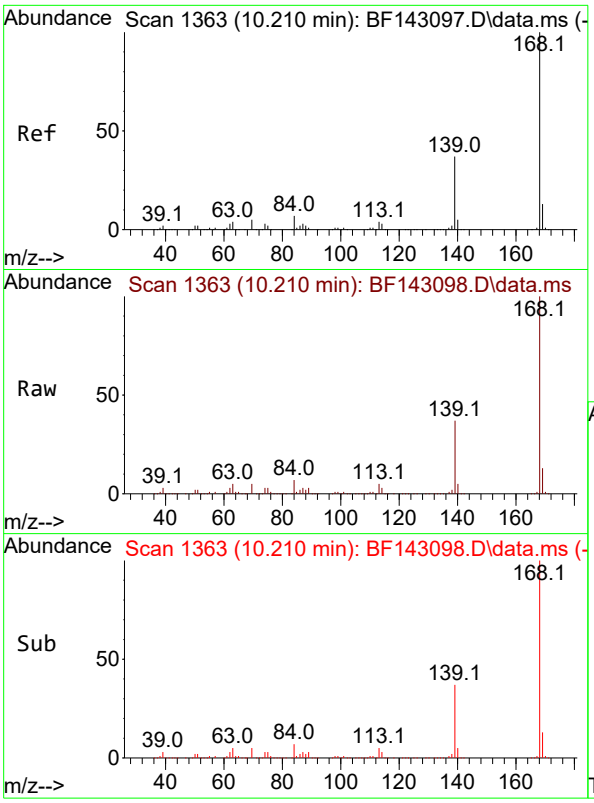




#54
2,4-Dinitrophenol
Concen: 51.931 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:184 Resp: 47800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 113.4 | 149.3 | 223.9# |
| 154 | 651.1 | 1048.0 | 1572.0# |

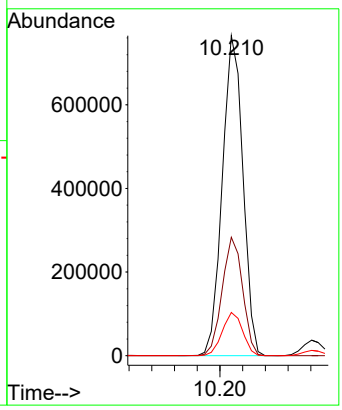





#55
Dibenzofuran
Concen: 50.344 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:168 Resp: 96454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.0 | 29.8 | 44.6 |
| 169 | 13.5 | 10.8 | 16.2 |

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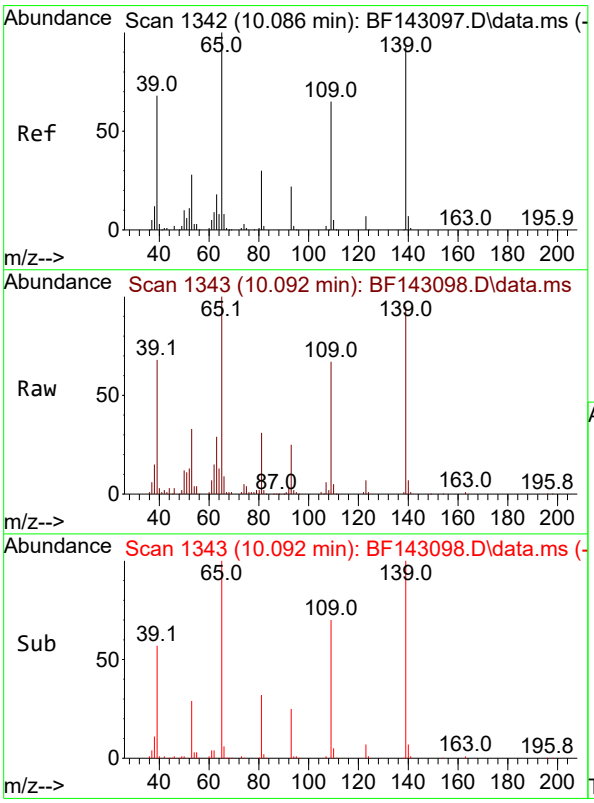
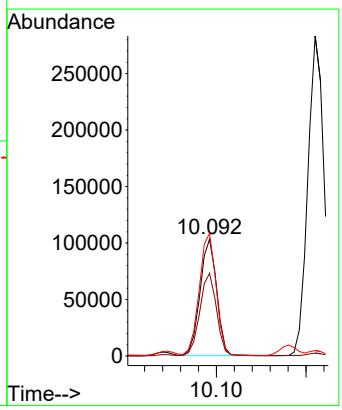
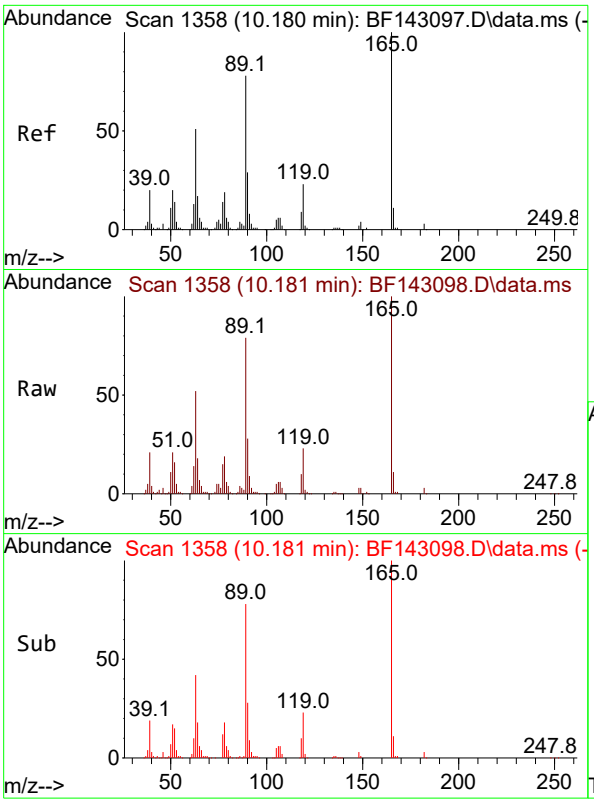



#56
4-Nitrophenol
Concen: 55.203 ng
RT: 10.092 min Scan# 1343
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:139 Resp: 133073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 70.9 | 49.4 | 89.4 |
| 65 | 105.2 | 88.2 | 128.2 |

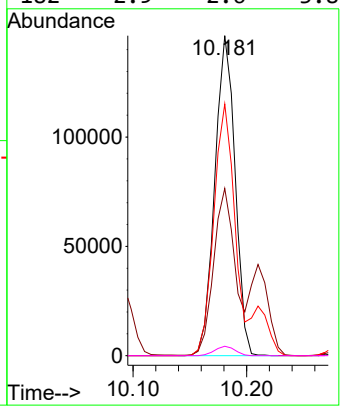





#57
2,4-Dinitrotoluene
Concen: 52.116 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:165 Resp: 18161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 52.2 | 40.6 | 61.0 |
| 89 | 78.6 | 62.3 | 93.5 |
| 182 | 2.9 | 2.6 | 3.8 |




**Instrument :**
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SSTDICC050

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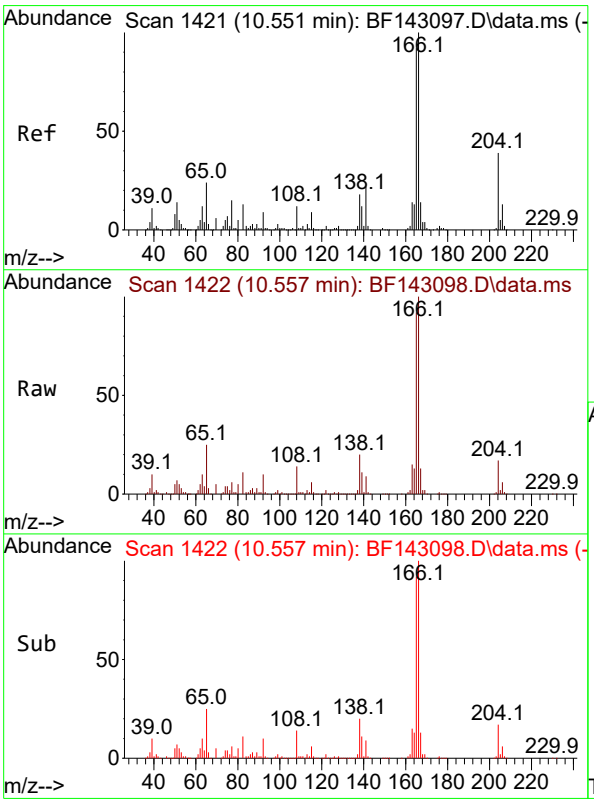
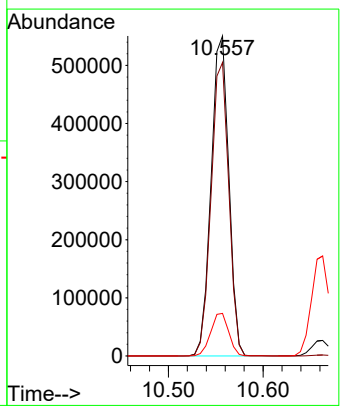
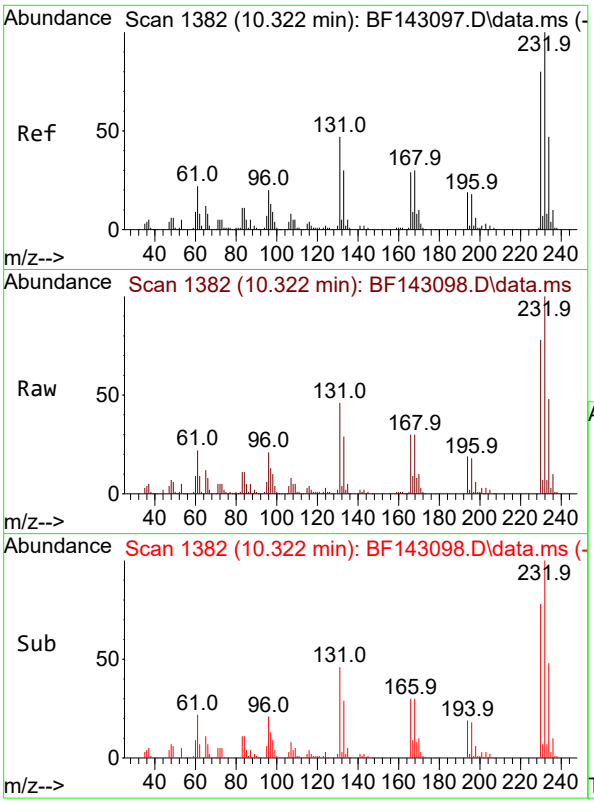



#58
Fluorene
Concen: 49.859 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:166 Resp: 716173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 91.7 | 73.7 | 110.5 |
| 167 | 13.3 | 10.9 | 16.3 |

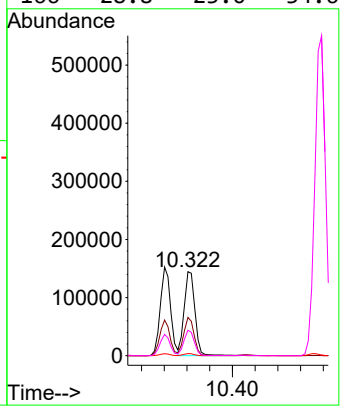





#59
2,3,4,6-Tetrachlorophenol
Concen: 56.202 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:232 Resp: 18921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 43.8 | 36.9 | 55.3 |
| 130 | 2.3 | 1.8 | 2.8 |
| 166 | 28.8 | 23.0 | 34.6 |




**Instrument :**
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**ClientSampleId :**
SSTDICC050

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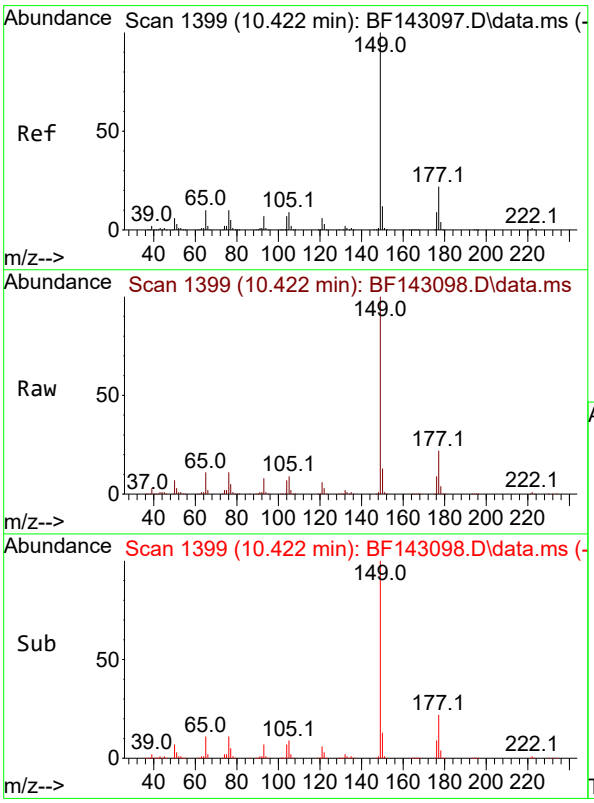
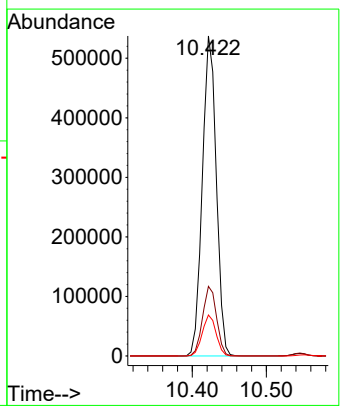
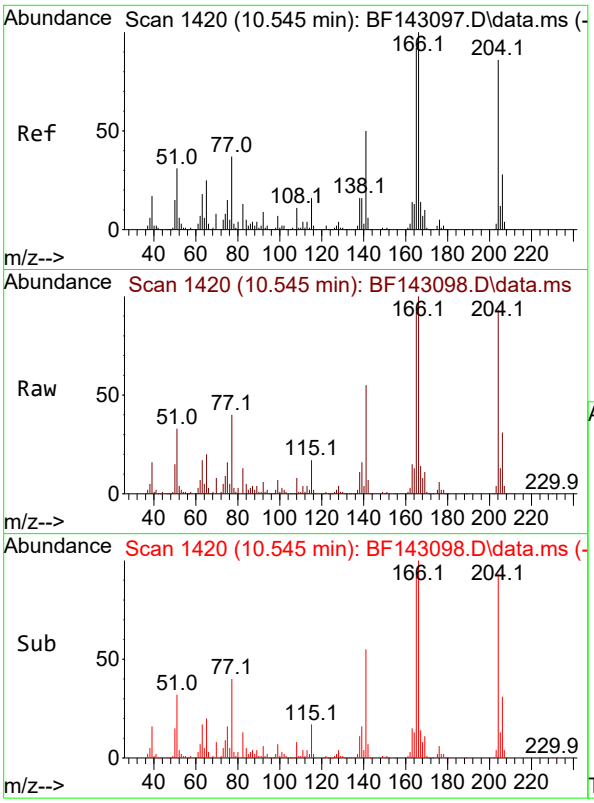



#60
Diethylphthalate
Concen: 51.909 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:149 Resp: 702995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.7 | 17.3 | 25.9 |
| 150 | 12.8 | 9.9 | 14.9 |

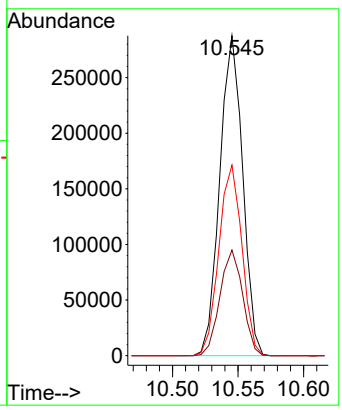





#61
4-Chlorophenyl-phenylether
Concen: 50.675 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:204 Resp: 34887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.0 | 25.8 | 38.6 |
| 141 | 59.6 | 46.8 | 70.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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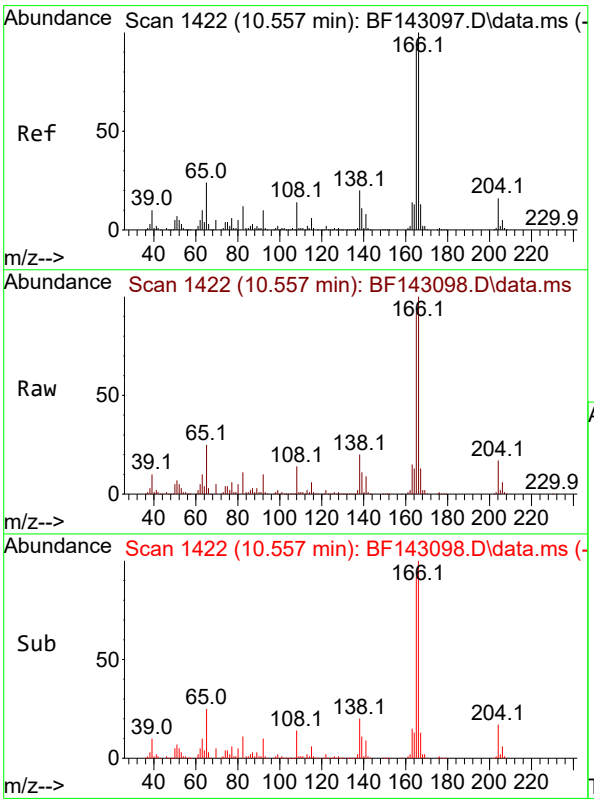
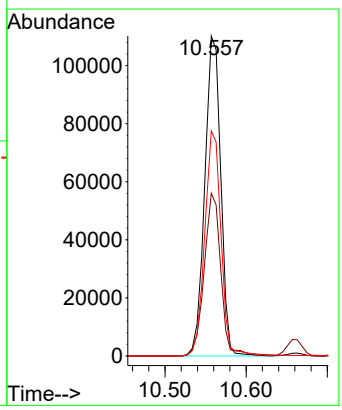
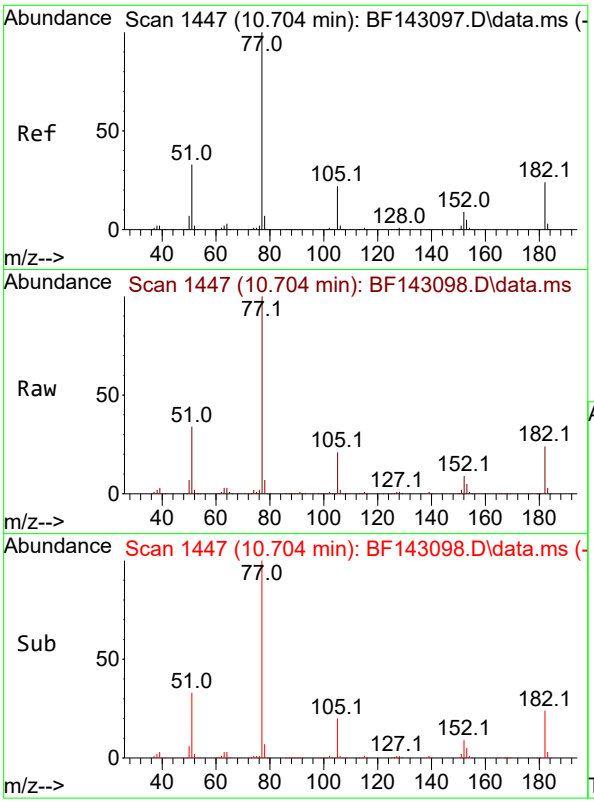



#62
4-Nitroaniline
Concen: 57.045 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:138 Resp: 150470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.9 | 30.4 | 70.4 |
| 108 | 70.3 | 49.5 | 89.5 |

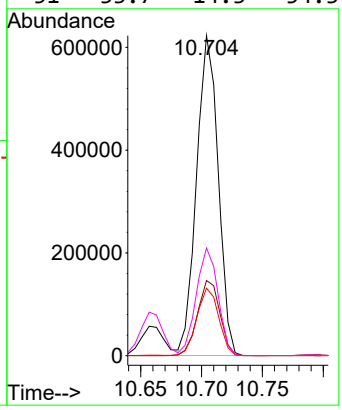





#63
Azobenzene
Concen: 51.451 ng
RT: 10.704 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 77 Resp: 77060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 23.5 | 4.0 | 44.0 |
| 105 | 21.1 | 1.4 | 41.4 |
| 51 | 33.7 | 14.3 | 54.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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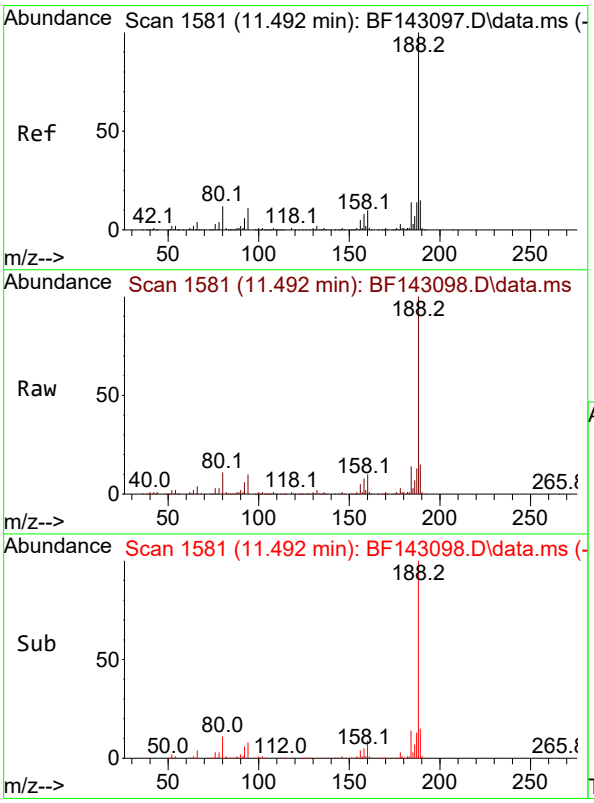
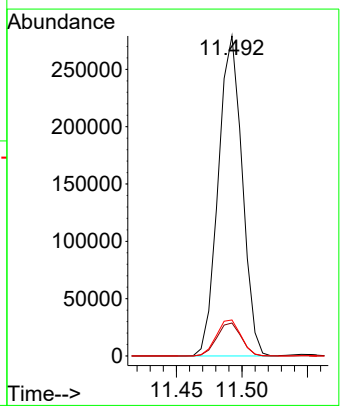
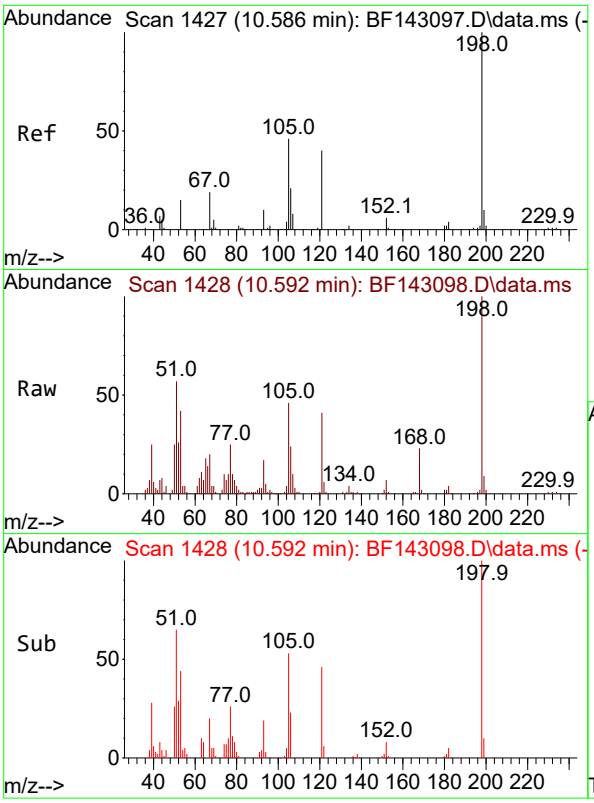



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:188 Resp: 354075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.3 | 8.6 | 13.0 |
| 80 | 11.3 | 9.3 | 13.9 |






#65
4,6-Dinitro-2-methylphenol
Concen: 51.847 ng
RT: 10.592 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:198 Resp: 7032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 56.6 | 44.6 | 84.6 |
| 105 | 46.4 | 29.3 | 69.3 |

**Instrument :**
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**ClientSampleId :**
SSTDICC050

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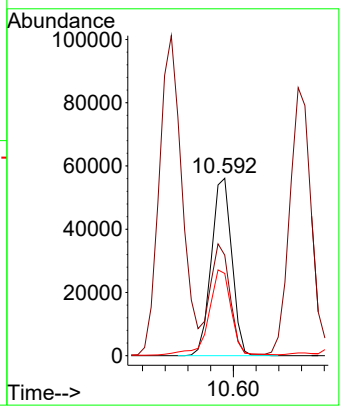
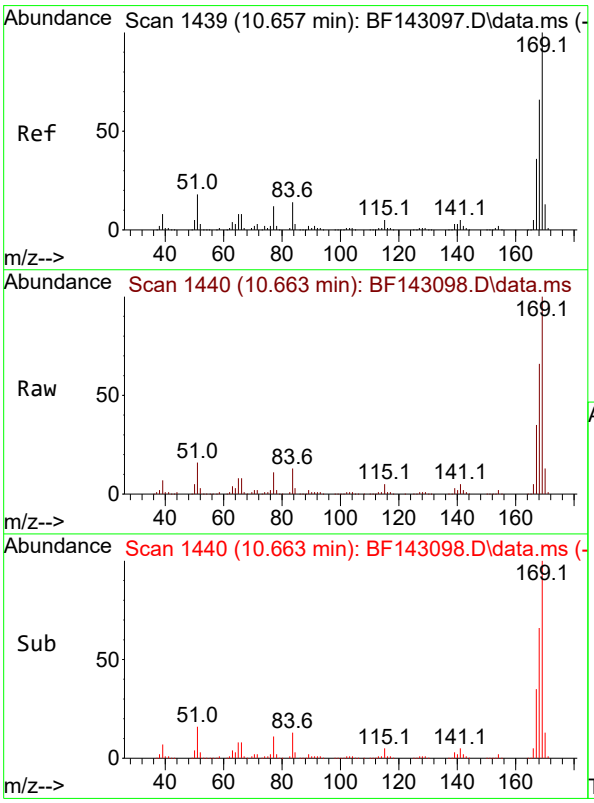
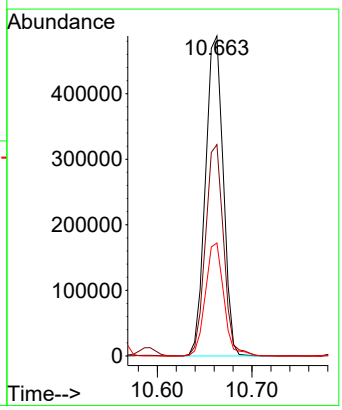


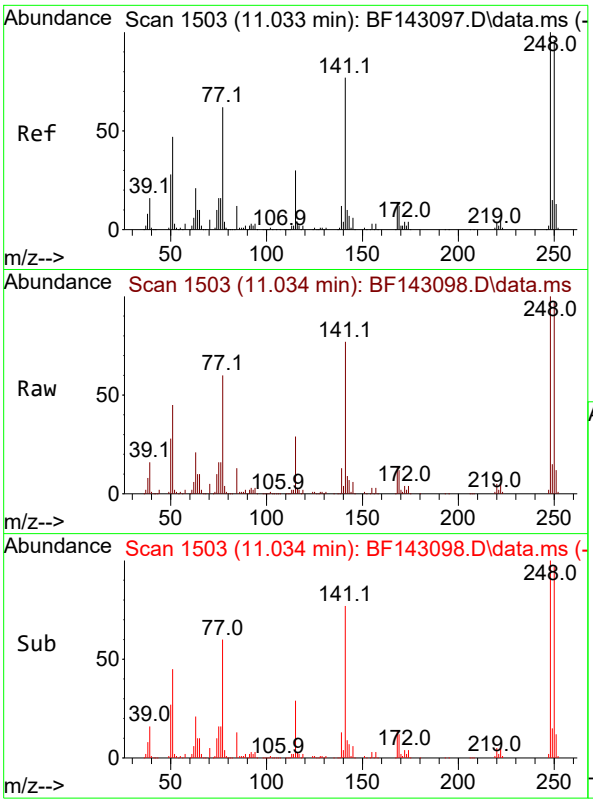




#66
n-Nitrosodiphenylamine
Concen: 51.019 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:169 Resp: 634539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.1 | 53.0 | 79.6 |
| 167 | 35.3 | 28.4 | 42.6 |

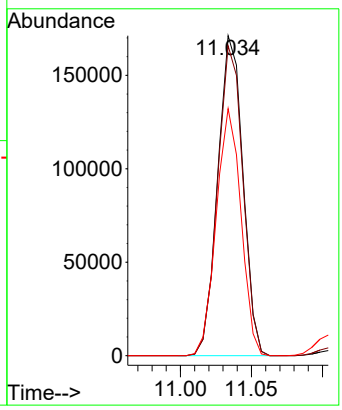





#67
4-Bromophenyl-phenylether
Concen: 52.494 ng
RT: 11.034 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:248 Resp: 21137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.9 | 76.7 | 115.1 |
| 141 | 77.2 | 61.7 | 92.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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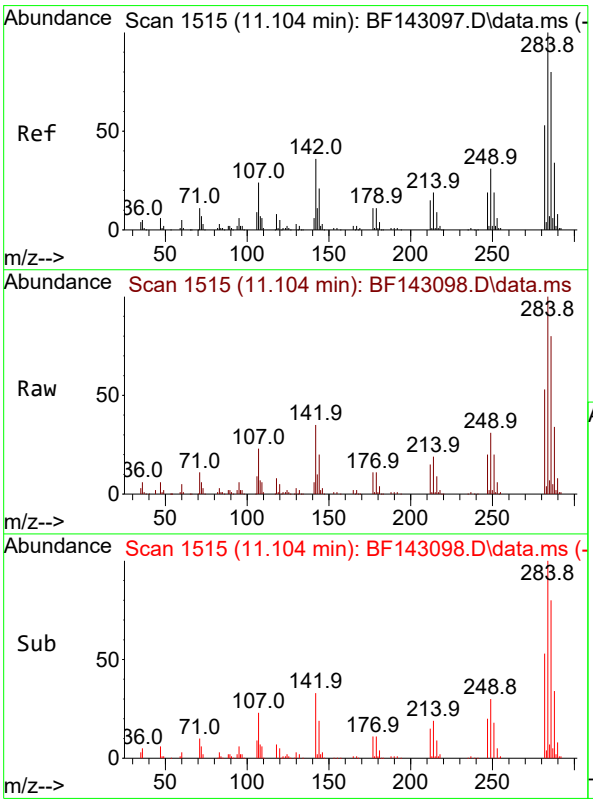
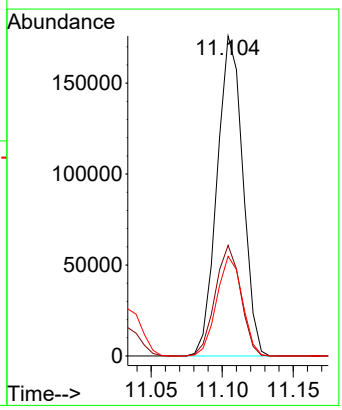
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

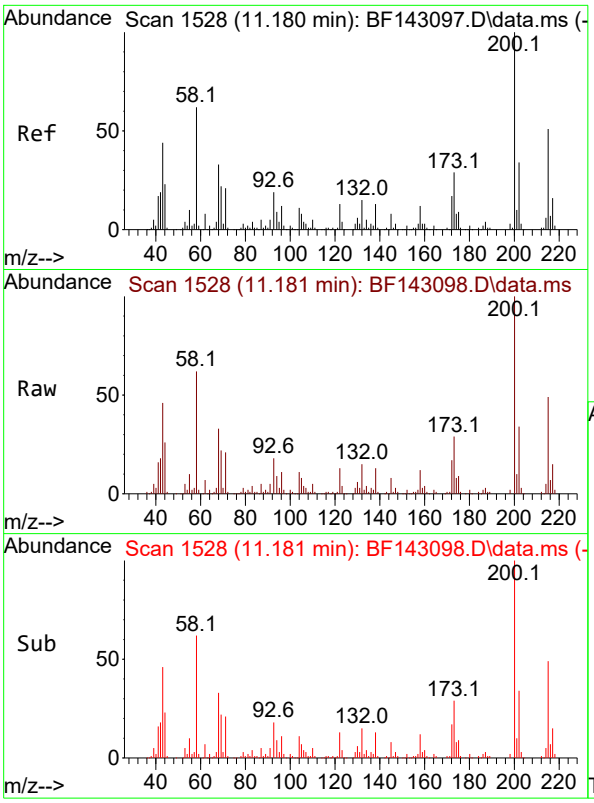



#68
Hexachlorobenzene
Concen: 51.785 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:284 Resp: 221245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.5 | 28.9 | 43.3 |
| 249 | 31.1 | 24.6 | 37.0 |

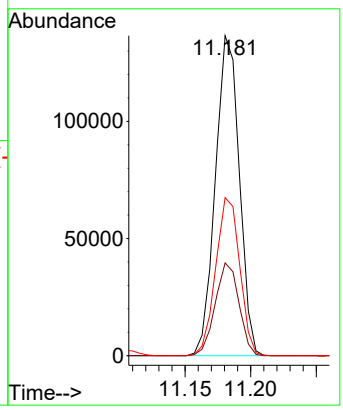





#69
Atrazine
Concen: 54.359 ng
RT: 11.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:200 Resp: 17297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 29.0 | 9.1 | 49.1 |
| 215 | 49.4 | 31.0 | 71.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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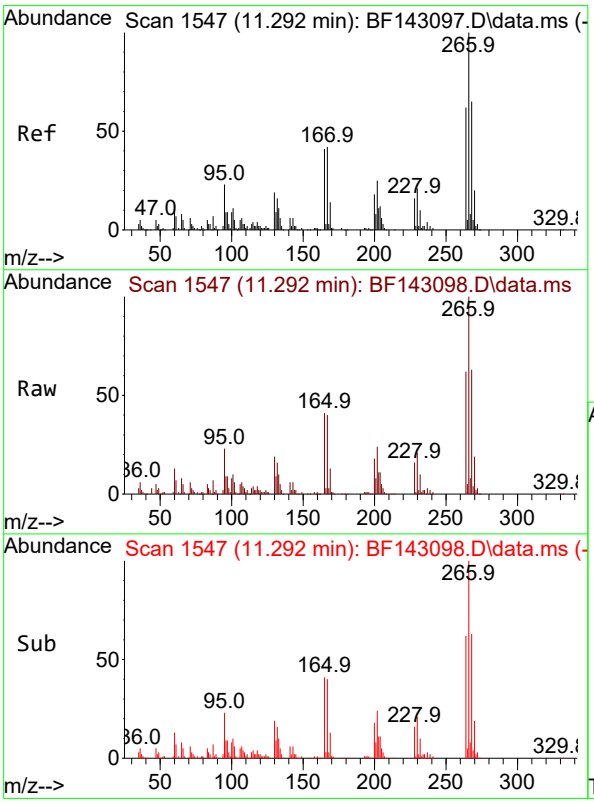
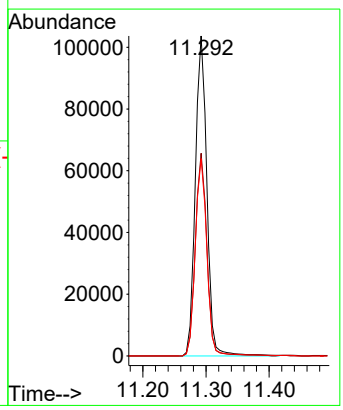
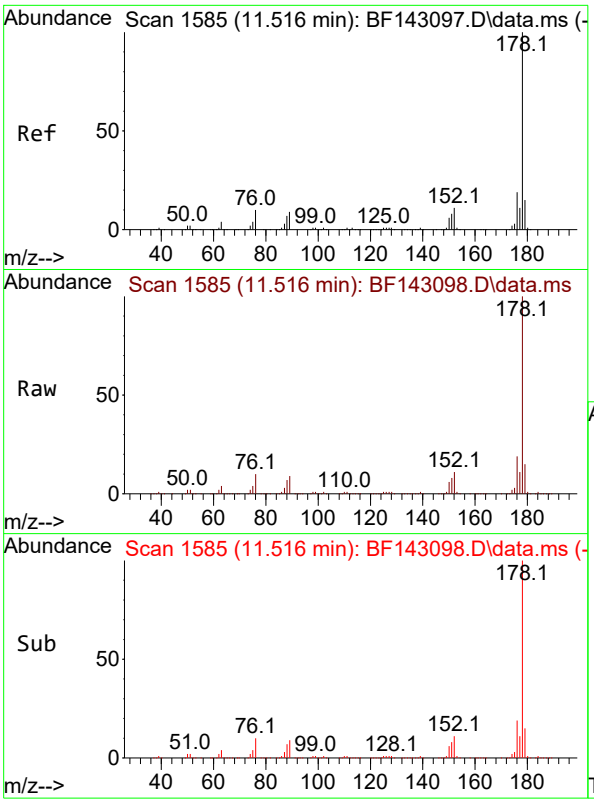



#70
Pentachlorophenol
Concen: 56.120 ng
RT: 11.292 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:266 Resp: 131545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.3 | 51.8 | 77.6 |
| 264 | 61.7 | 49.7 | 74.5 |

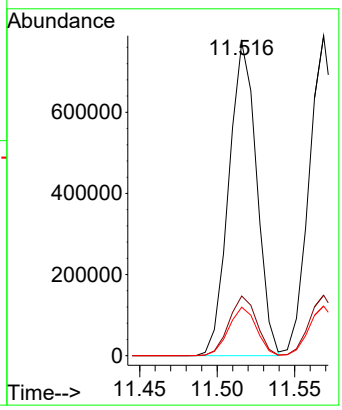





#71
Phenanthrene
Concen: 50.425 ng
RT: 11.516 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:178 Resp: 96356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 15.1 | 22.7 |
| 179 | 15.5 | 12.2 | 18.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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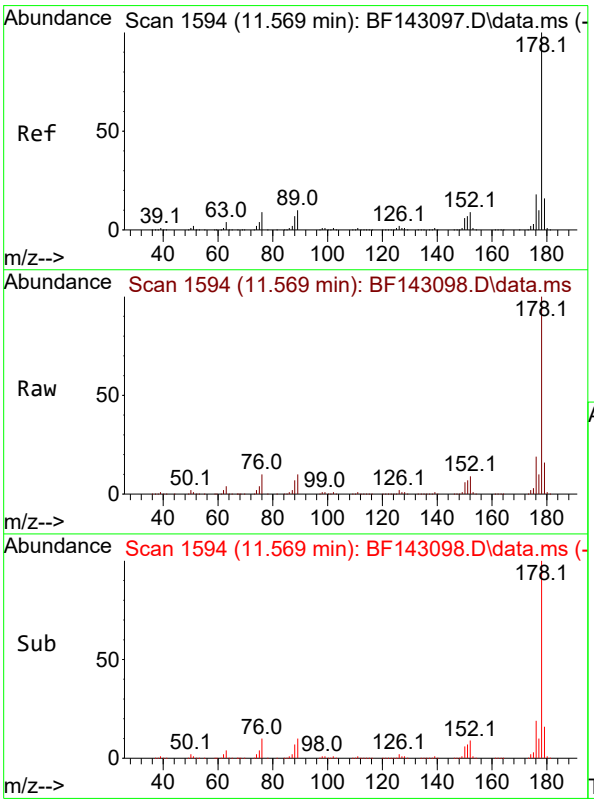
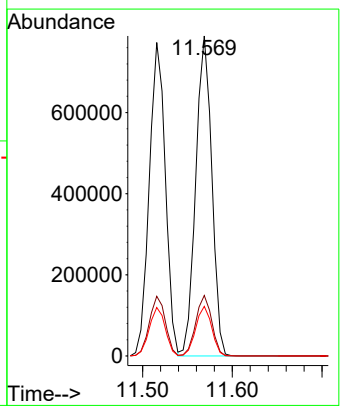
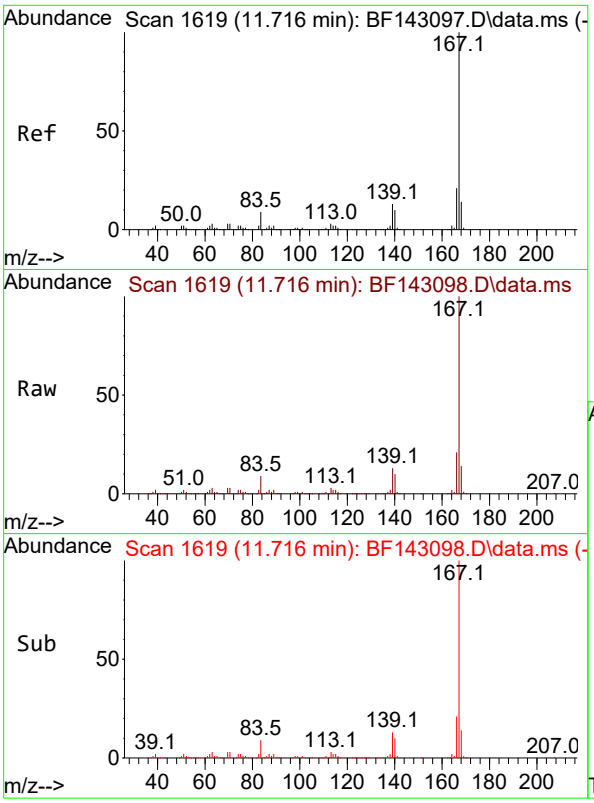



#72
Anthracene
Concen: 50.953 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:178 Resp: 979118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 14.7 | 22.1 |
| 179 | 15.5 | 12.4 | 18.6 |

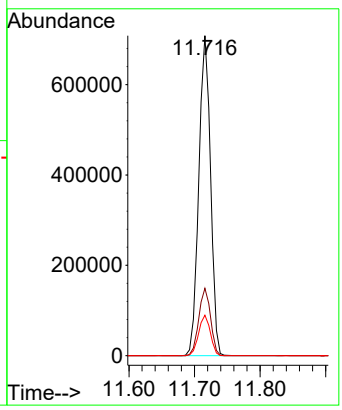





#73
Carbazole
Concen: 51.340 ng
RT: 11.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:167 Resp: 88382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.0 | 17.0 | 25.4 |
| 139 | 12.7 | 10.2 | 15.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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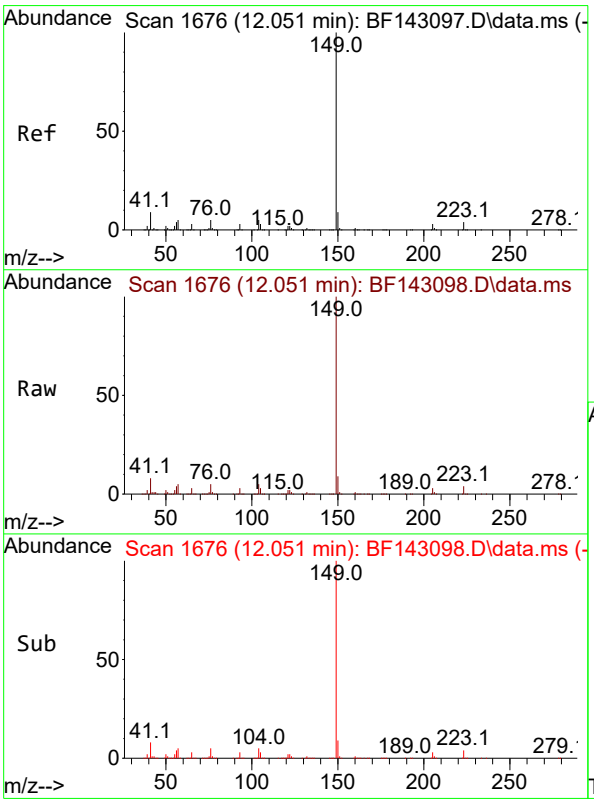
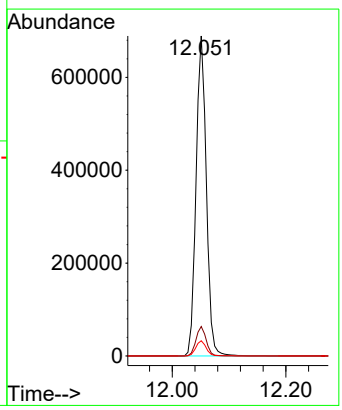
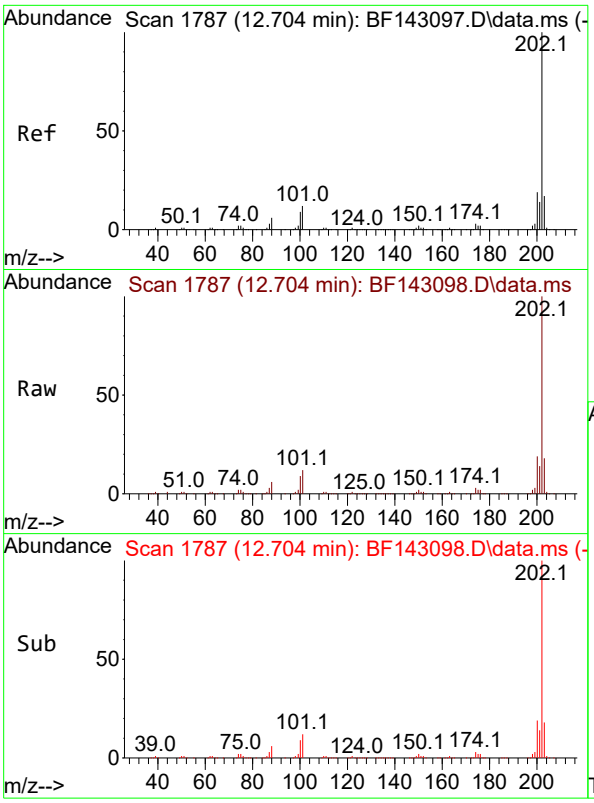



#74
Di-n-butylphthalate
Concen: 55.079 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:149 Resp: 870362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.3 | 10.9 |
| 104 | 4.8 | 3.8 | 5.8 |






#75
Fluoranthene
Concen: 50.852 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:202 Resp: 88355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.2 | 0.0 | 32.4 |
| 203 | 17.5 | 0.0 | 37.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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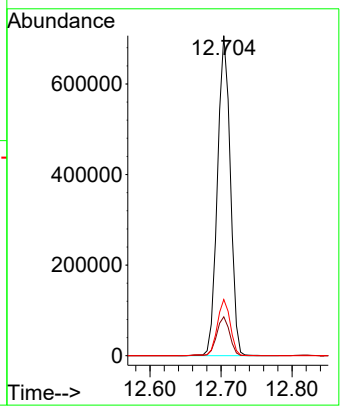
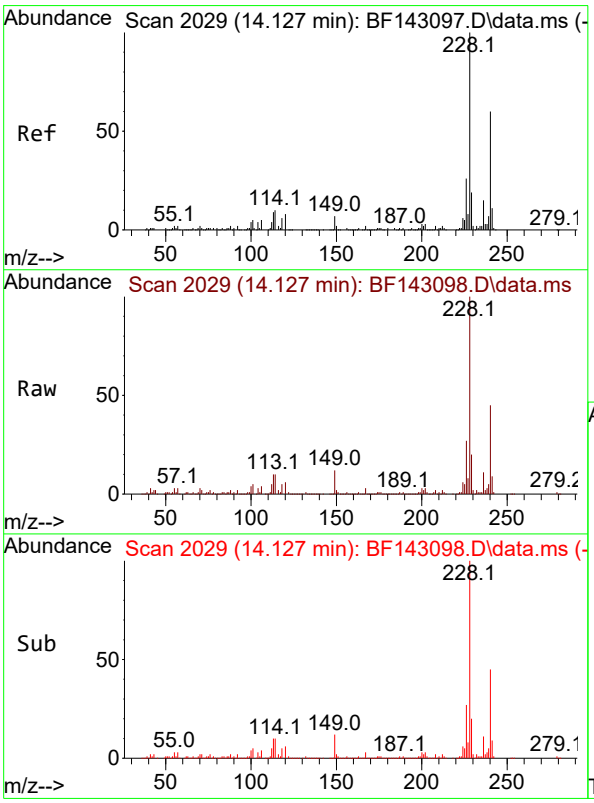
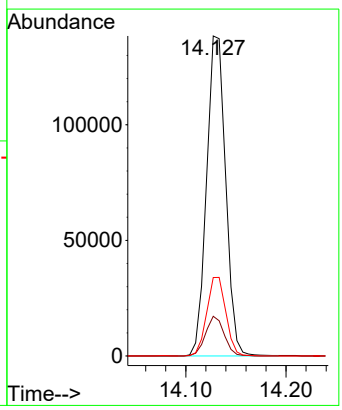


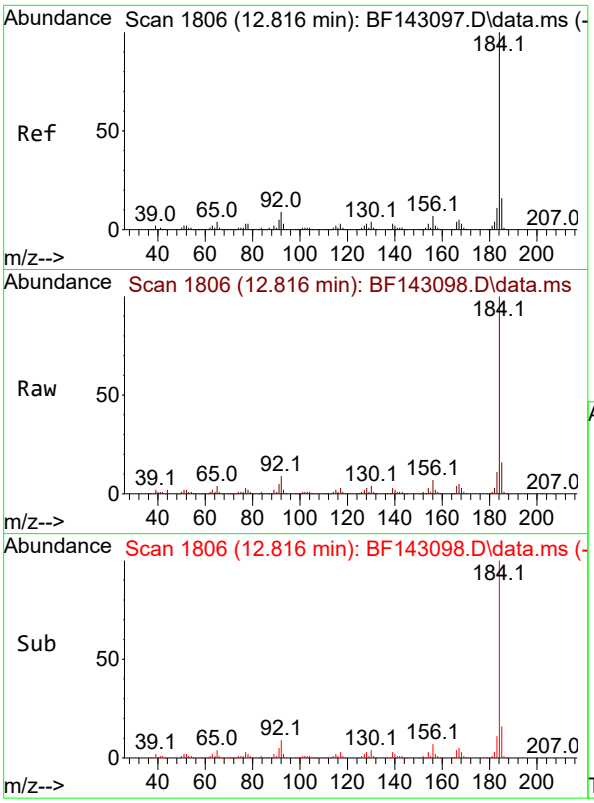




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:240 Resp: 183692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.4 | 10.0 | 15.0 |
| 236 | 24.5 | 20.0 | 30.0 |

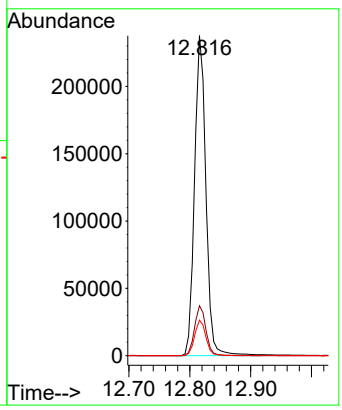





#77
Benzidine
Concen: 49.425 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:184 Resp: 30931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.6 | 12.4 | 18.6 |
| 183 | 11.1 | 8.6 | 12.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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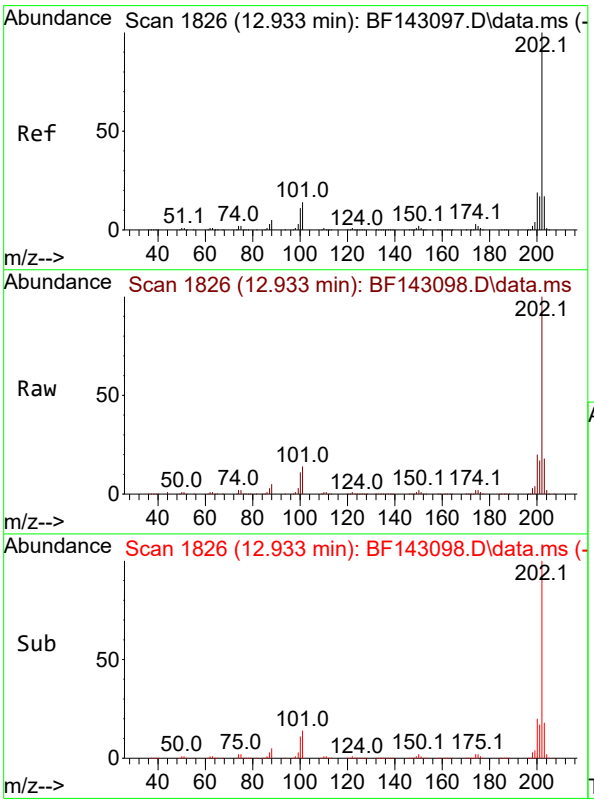
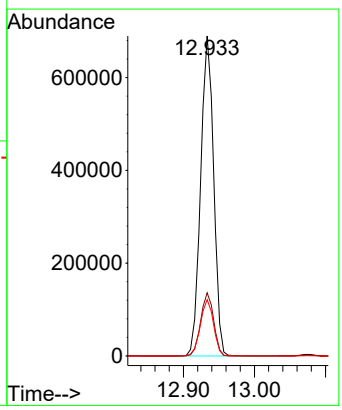
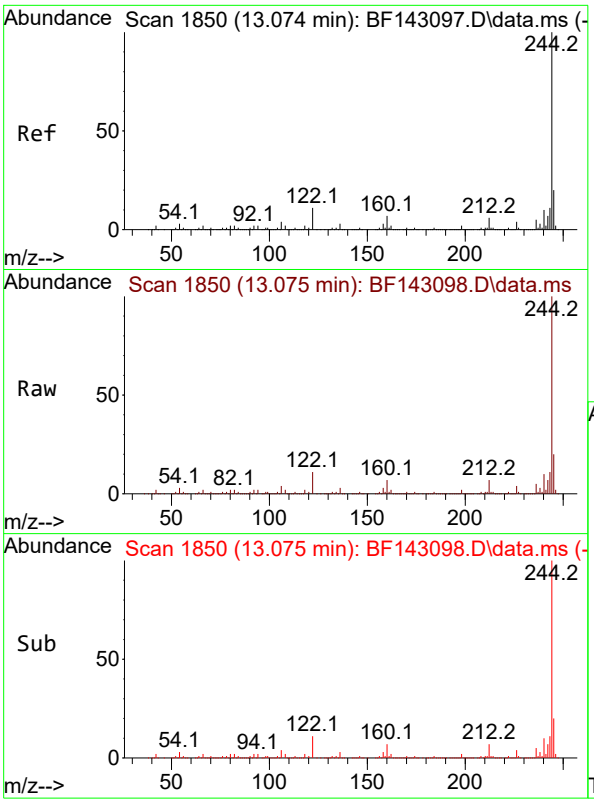



#78
Pyrene
Concen: 51.681 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:202 Resp: 880826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.8 | 15.5 | 23.3 |
| 203 | 17.6 | 14.0 | 21.0 |

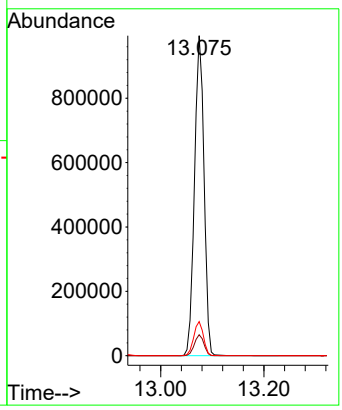





#79
Terphenyl-d14
Concen: 101.195 ng
RT: 13.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:244 Resp: 127162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 5.2 | 7.8 |
| 122 | 10.7 | 8.8 | 13.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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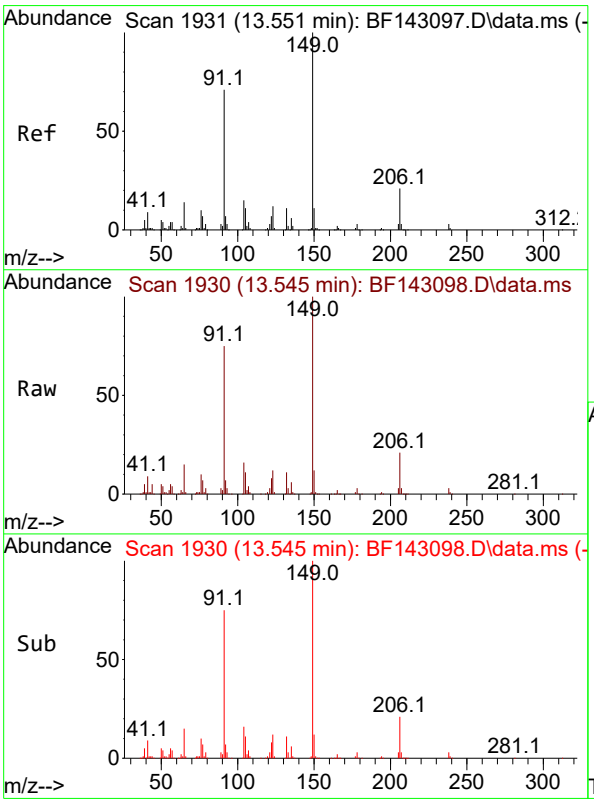
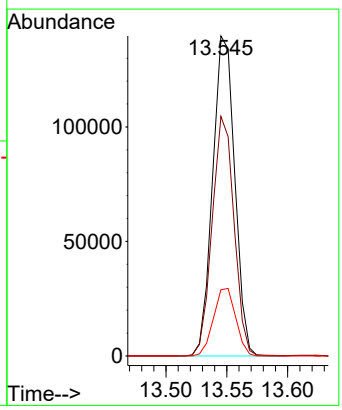
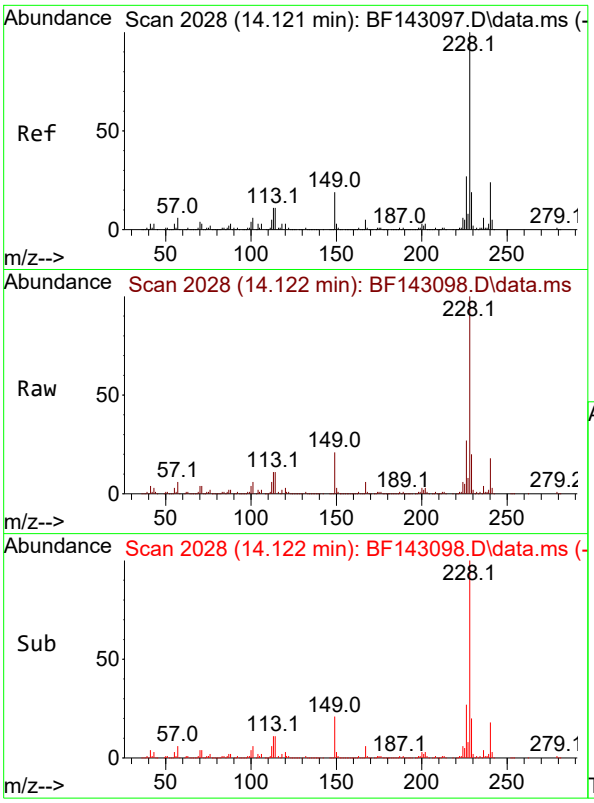



#80
Butylbenzylphthalate
Concen: 51.324 ng
RT: 13.545 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:149 Resp: 176615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 74.8 | 57.0 | 85.4 |
| 206 | 20.7 | 17.2 | 25.8 |

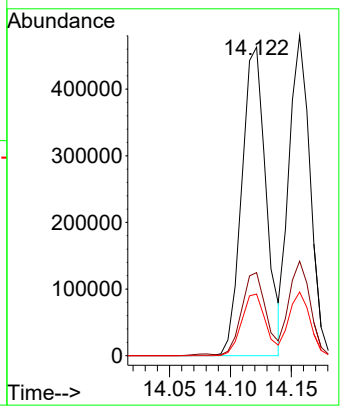





#81
Benzo(a)anthracene
Concen: 52.641 ng
RT: 14.122 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:228 Resp: 64435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.9 | 21.3 | 31.9 |
| 229 | 20.0 | 15.5 | 23.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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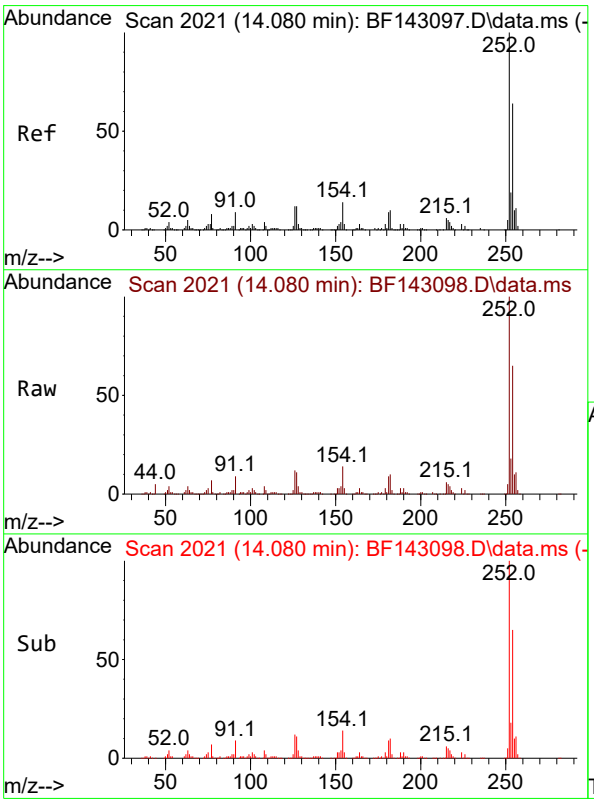
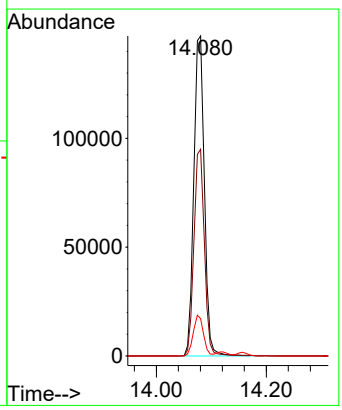
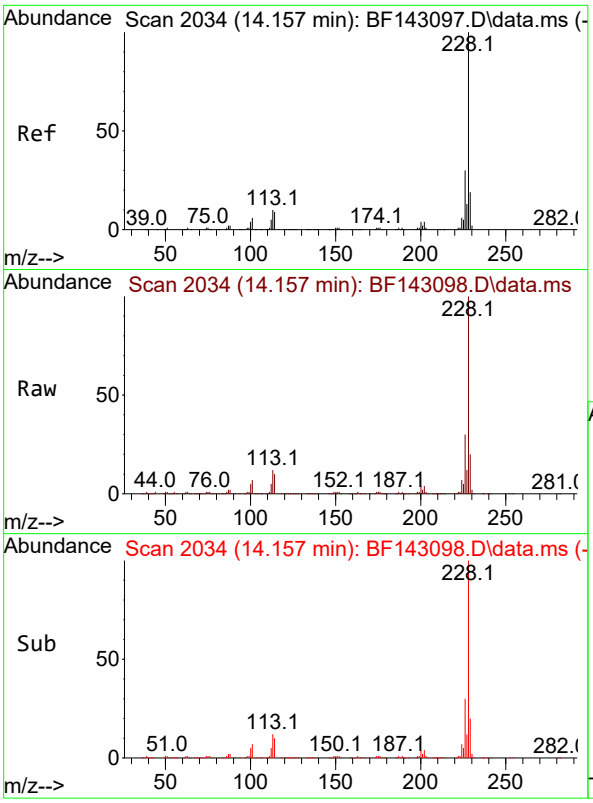



#82
3,3'-Dichlorobenzidine
Concen: 55.273 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:252 Resp: 196472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.6 | 51.5 | 77.3 |
| 126 | 11.7 | 9.4 | 14.0 |

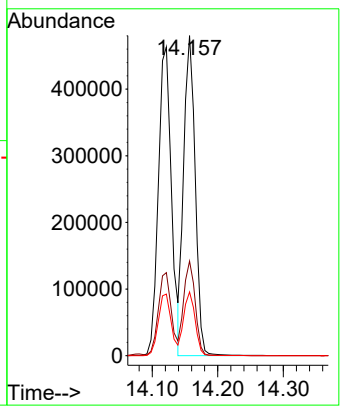





#83
Chrysene
Concen: 51.740 ng
RT: 14.157 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:228 Resp: 58330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.5 | 23.4 | 35.2 |
| 229 | 19.9 | 15.3 | 22.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

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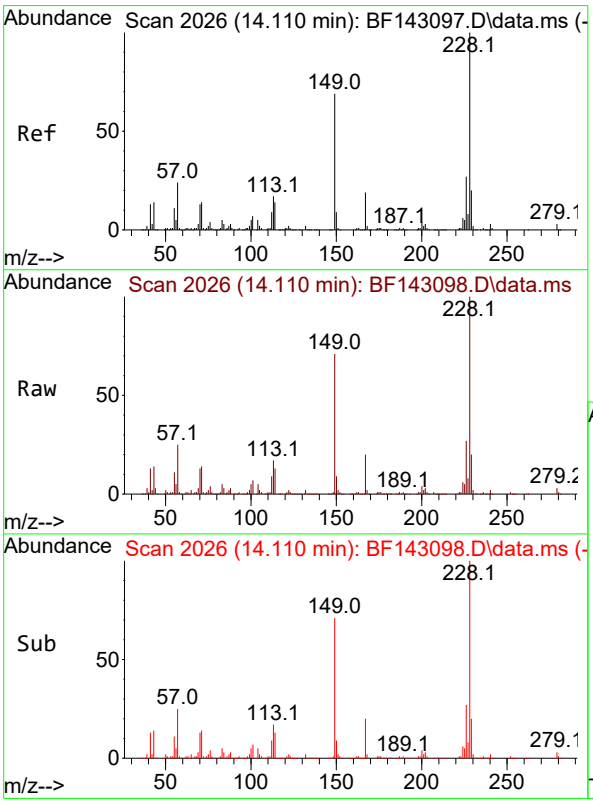
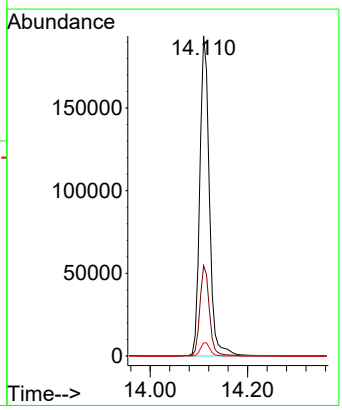
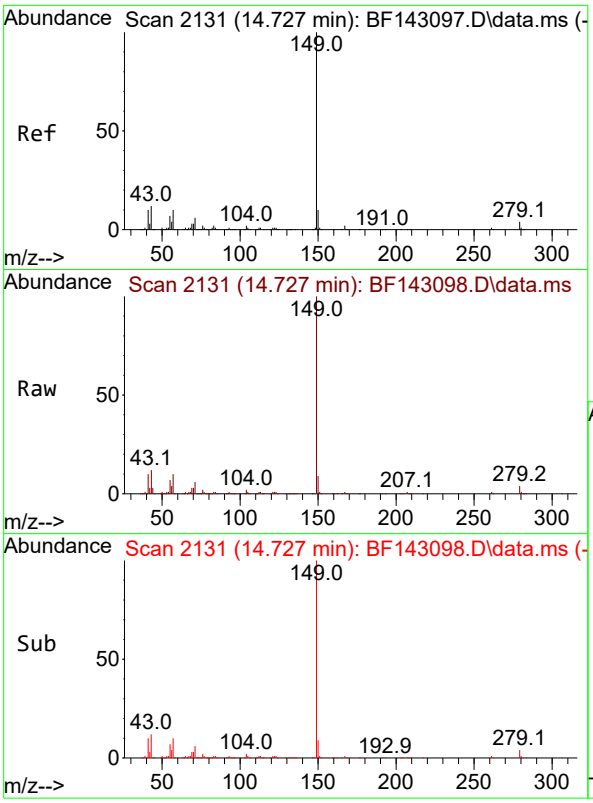



#84
Bis(2-ethylhexyl)phthalate
Concen: 51.119 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:149 Resp: 265225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.2 | 21.9 | 32.9 |
| 279 | 4.1 | 3.4 | 5.0 |

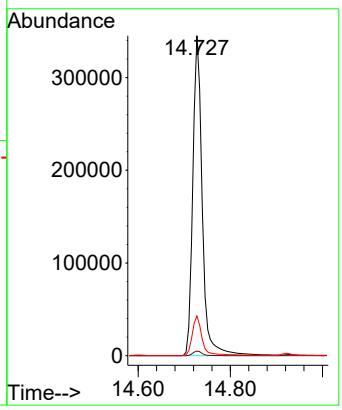





#85
Di-n-octyl phthalate
Concen: 50.100 ng
RT: 14.727 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:149 Resp: 49284

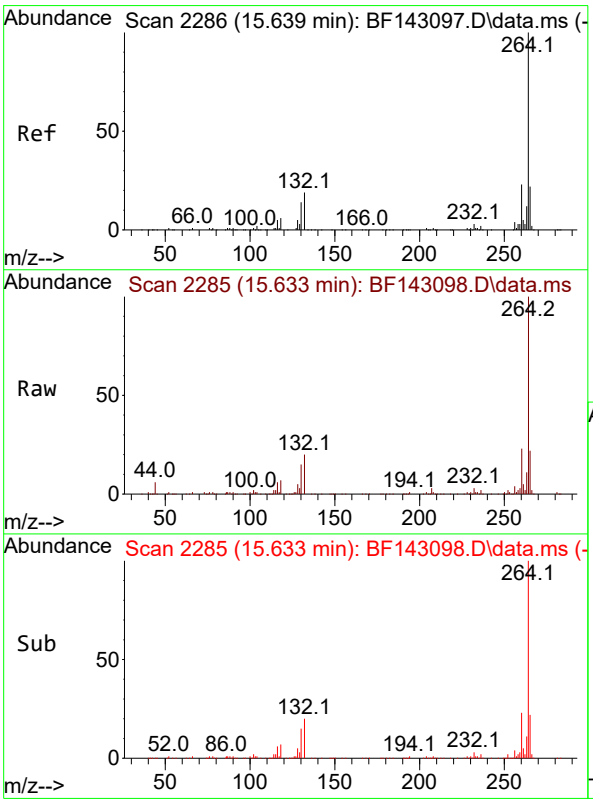
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.4 | 1.2 | 1.8 |
| 43 | 13.0 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations APPROVED**

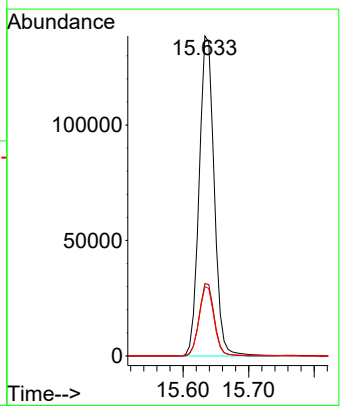
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

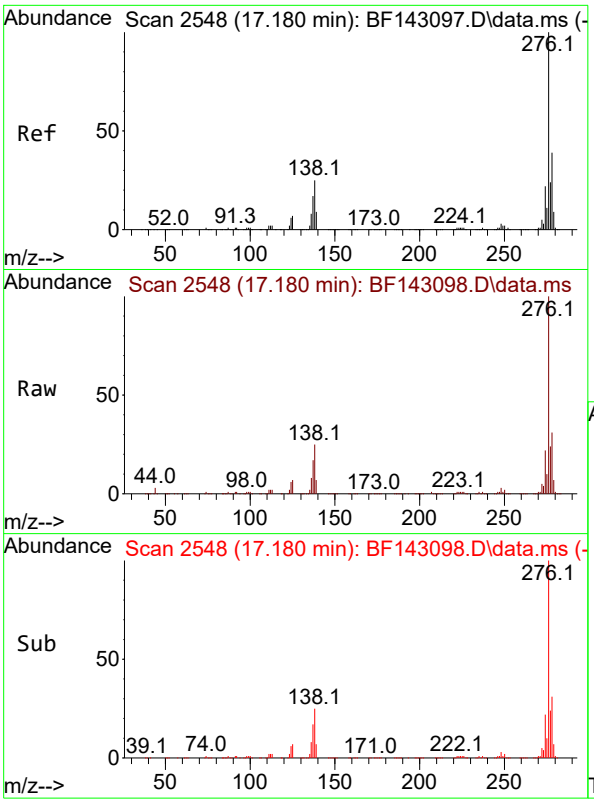



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:264 Resp: 221502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.6 | 18.5 | 27.7 |
| 265 | 21.7 | 17.5 | 26.3 |

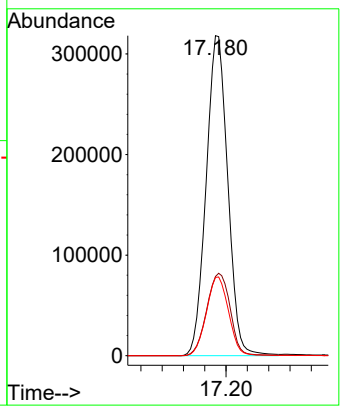





#87
Indeno(1,2,3-cd)pyrene
Concen: 54.440 ng
RT: 17.180 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:276 Resp: 89687

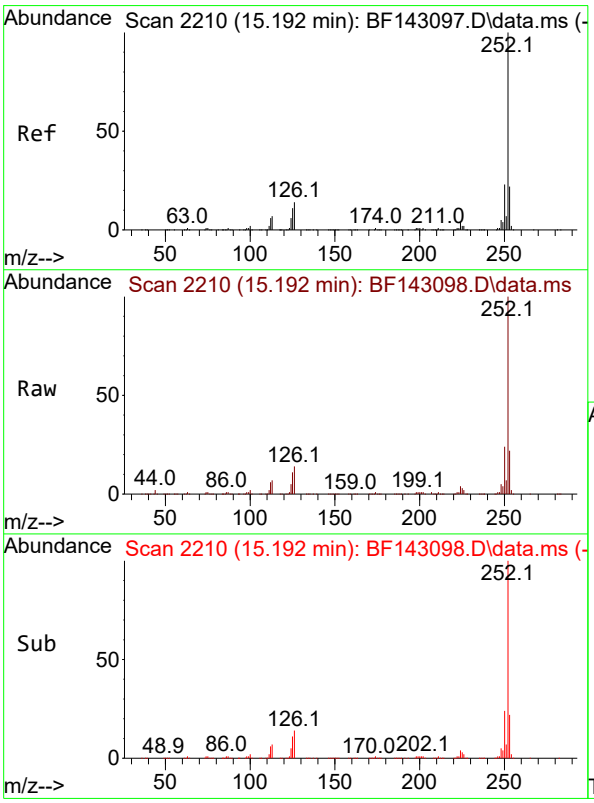
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 28.1 | 22.6 | 34.0 |
| 277 | 25.4 | 20.2 | 30.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations APPROVED**

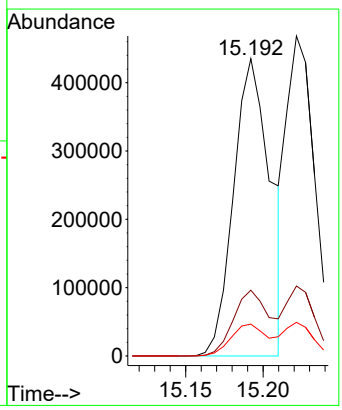
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

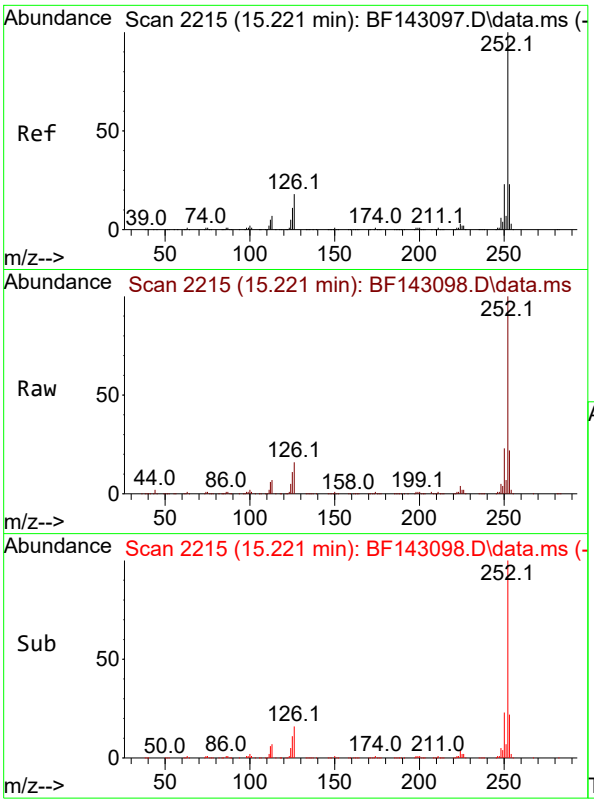



#88
Benzo(b)fluoranthene
Concen: 56.204 ng
RT: 15.192 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:252 Resp: 718106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.5 | 26.3 |
| 125 | 10.7 | 8.6 | 13.0 |

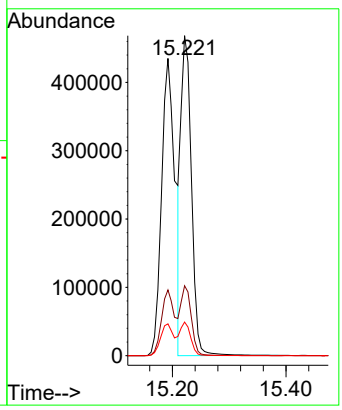





#89
Benzo(k)fluoranthene
Concen: 49.410 ng
RT: 15.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:252 Resp: 60226

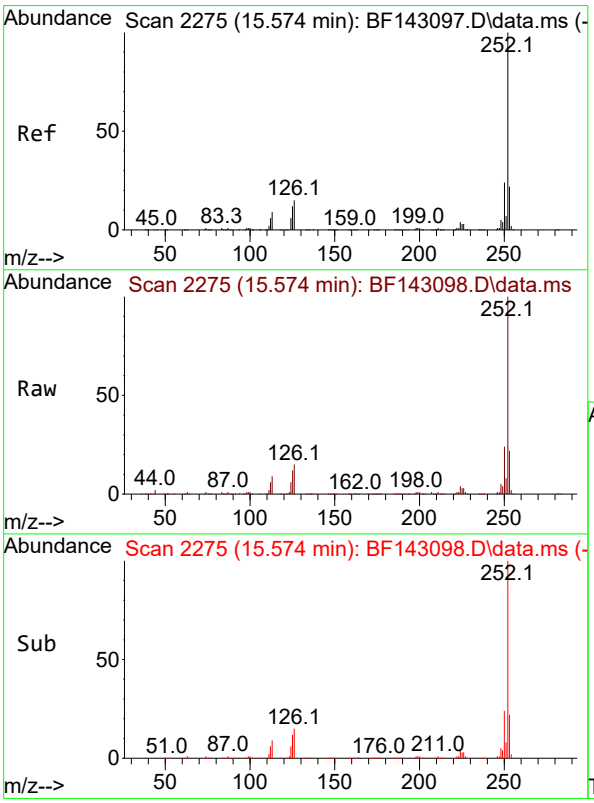
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.4 | 26.2 |
| 125 | 10.5 | 8.5 | 12.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations APPROVED**

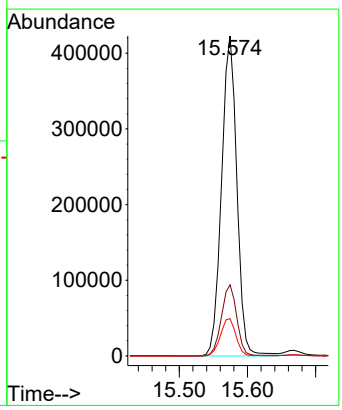
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

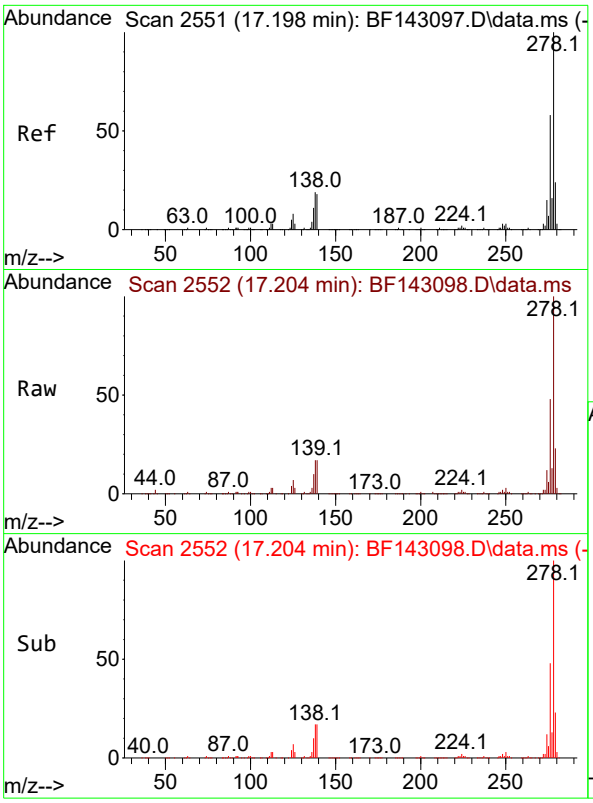



#90
Benzo(a)pyrene
Concen: 54.800 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:252 Resp: 662193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.5 | 26.3 |
| 125 | 11.6 | 9.4 | 14.0 |

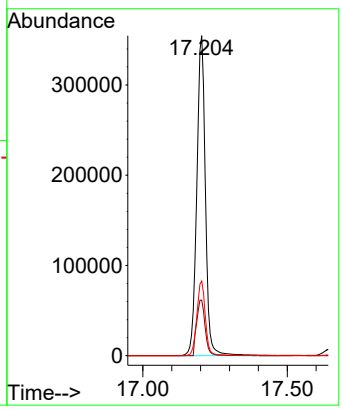





#91
Dibenzo(a,h)anthracene
Concen: 54.700 ng
RT: 17.204 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:278 Resp: 73667

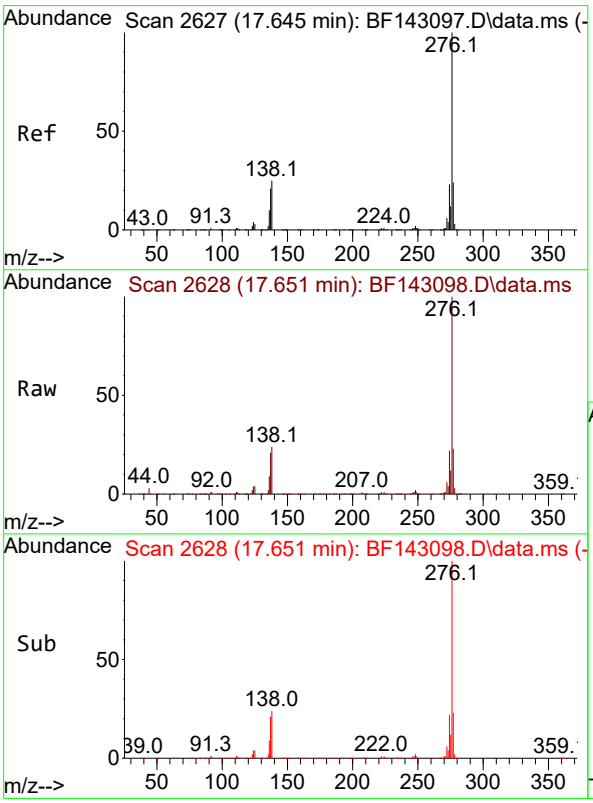
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.4 | 14.6 | 22.0 |
| 279 | 23.3 | 18.8 | 28.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

**Manual Integrations APPROVED**

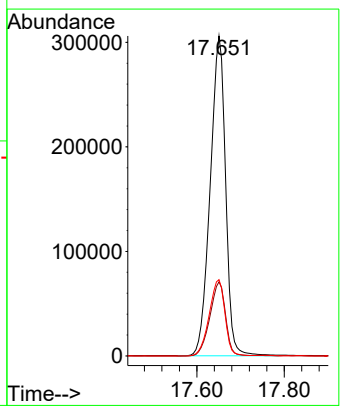
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025




#92
Benzo(g,h,i)perylene
Concen: 54.390 ng
RT: 17.651 min Scan# 2628
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:276 Resp: 746789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.2 | 19.2 | 28.8 |
| 138 | 23.8 | 19.8 | 29.6 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143099.D
Acq On : 15 Jul 2025 16:05
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 15 17:41:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.969 | 152 | 133949 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.251 | 136 | 501735 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 10.010 | 164 | 246002 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.492 | 188 | 380313 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.133 | 240 | 205942 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.639 | 264 | 260121 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.593 | 112 | 990040 | 116.776 | ng | | 0.00 |
| 7) Phenol-d6 | 6.593 | 99 | 1243617 | 116.695 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.534 | 82 | 1172838 | 131.129 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.798 | 330 | 286830 | 130.765 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.328 | 172 | 1999612 | 108.050 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.075 | 244 | 1539271 | 109.260 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.810 | 88 | 251636 | 59.625 | ng | | 100 |
| 3) Pyridine | 3.587 | 79 | 647877 | 60.624 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.534 | 42 | 337438 | 60.943 | ng | | 100 |
| 6) Aniline | 6.634 | 93 | 882633 | 58.815 | ng | | 100 |
| 8) 2-Chlorophenol | 6.757 | 128 | 516965 | 60.690 | ng | | 98 |
| 9) Benzaldehyde | 6.522 | 77 | 467499 | 57.571 | ng | | 99 |
| 10) Phenol | 6.604 | 94 | 680847m | 59.015 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.704 | 93 | 518695 | 58.076 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.916 | 146 | 557813 | 57.965 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.987 | 146 | 556805 | 57.513 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.140 | 146 | 530965 | 57.510 | ng | | 98 |
| 15) Benzyl Alcohol | 7.104 | 79 | 477773 | 60.505 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.245 | 45 | 941009 | 57.157 | ng | | 99 |
| 17) 2-Methylphenol | 7.210 | 107 | 432787 | 58.876 | ng | | 99 |
| 18) Hexachloroethane | 7.487 | 117 | 191457 | 60.747 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.387 | 70 | 379882 | 58.184 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.369 | 107 | 519658 | 57.645 | ng | | 98 |
| 22) Acetophenone | 7.375 | 105 | 679007 | 56.141 | ng | # | 92 |
| 24) Nitrobenzene | 7.551 | 77 | 550668 | 63.778 | ng | | 99 |
| 25) Isophorone | 7.793 | 82 | 1033650 | 59.793 | ng | | 100 |
| 26) 2-Nitrophenol | 7.863 | 139 | 219665 | 62.382 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.898 | 122 | 474411 | 59.127 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.992 | 93 | 608314 | 58.029 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.104 | 162 | 408655 | 62.256 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.192 | 180 | 431427 | 57.913 | ng | | 98 |
| 31) Naphthalene | 8.275 | 128 | 1410509 | 56.612 | ng | | 100 |
| 32) Benzoic acid | 8.010 | 122 | 256755m | 62.050 | ng | | |
| 33) 4-Chloroaniline | 8.316 | 127 | 574196 | 57.309 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.398 | 225 | 265081 | 59.499 | ng | | 99 |
| 35) Caprolactam | 8.687 | 113 | 129583 | 63.219 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 8.792 | 107 | 440907 | 60.299 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.963 | 142 | 846190 | 56.930 | ng | | 100 |
| 38) 1-Methylnaphthalene | 9.063 | 142 | 869460 | 56.399 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.134 | 216 | 414099 | 57.762 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.122 | 237 | 262731 | 66.101 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.239 | 196 | 290245 | 65.157 | ng | | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143099.D
Acq On : 15 Jul 2025 16:05
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:41:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.275 | 196 | 277922 | 59.502 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.428 | 154 | 1103990 | 56.274 | ng | | 100 |
| 47) 2-Chloronaphthalene | 9.451 | 162 | 826528 | 57.350 | ng | | 98 |
| 48) 2-Nitroaniline | 9.539 | 65 | 267636 | 61.259 | ng | | 98 |
| 49) Acenaphthylene | 9.869 | 152 | 1378196 | 57.388 | ng | | 100 |
| 50) Dimethylphthalate | 9.728 | 163 | 899456 | 58.118 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.781 | 165 | 193185 | 62.287 | ng | | 93 |
| 52) Acenaphthene | 10.045 | 154 | 802583 | 56.633 | ng | | 99 |
| 53) 3-Nitroaniline | 9.951 | 138 | 230773 | 69.008 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 10.051 | 184 | 66479 | 61.314 | ng | # | 4 |
| 55) Dibenzofuran | 10.216 | 168 | 1184002 | 56.052 | ng | | 100 |
| 56) 4-Nitrophenol | 10.098 | 139 | 174657 | 65.716 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 10.186 | 165 | 235488 | 60.695 | ng | | 99 |
| 58) Fluorene | 10.557 | 166 | 875218 | 55.265 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.328 | 232 | 238428 | 64.235 | ng | | 98 |
| 60) Diethylphthalate | 10.428 | 149 | 876047 | 58.672 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.545 | 204 | 432659 | 57.000 | ng | | 99 |
| 62) 4-Nitroaniline | 10.563 | 138 | 194271 | 66.802 | ng | | 97 |
| 63) Azobenzene | 10.704 | 77 | 946204 | 57.300 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.592 | 198 | 96305 | 62.285 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 10.663 | 169 | 781087 | 58.469 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 11.039 | 248 | 260491 | 60.229 | ng | | 96 |
| 68) Hexachlorobenzene | 11.110 | 284 | 273112 | 59.515 | ng | | 95 |
| 69) Atrazine | 11.186 | 200 | 211351 | 61.838 | ng | | 99 |
| 70) Pentachlorophenol | 11.292 | 266 | 165676 | 65.805 | ng | | 99 |
| 71) Phenanthrene | 11.516 | 178 | 1165047 | 56.762 | ng | | 99 |
| 72) Anthracene | 11.569 | 178 | 1188635 | 57.589 | ng | | 100 |
| 73) Carbazole | 11.716 | 167 | 1057291 | 57.179 | ng | | 100 |
| 74) Di-n-butylphthalate | 12.051 | 149 | 1074246 | 63.291 | ng | | 100 |
| 75) Fluoranthene | 12.704 | 202 | 1069898 | 57.328 | ng | | 100 |
| 77) Benzidine | 12.816 | 184 | 380587 | 54.244 | ng | | 100 |
| 78) Pyrene | 12.933 | 202 | 1060216 | 55.485 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.551 | 149 | 243805 | 62.406 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.122 | 228 | 819246 | 59.697 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.080 | 252 | 254086 | 63.758 | ng | | 99 |
| 83) Chrysene | 14.157 | 228 | 758916 | 60.044 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.110 | 149 | 364902 | 61.957 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.727 | 149 | 688940 | 60.817 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.192 | 276 | 1185702 | 61.286 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.192 | 252 | 924866 | 61.640 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.227 | 252 | 827274 | 57.794 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.574 | 252 | 876856 | 61.791 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 17.210 | 278 | 953666 | 60.300 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.657 | 276 | 982960 | 60.962 | ng | | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

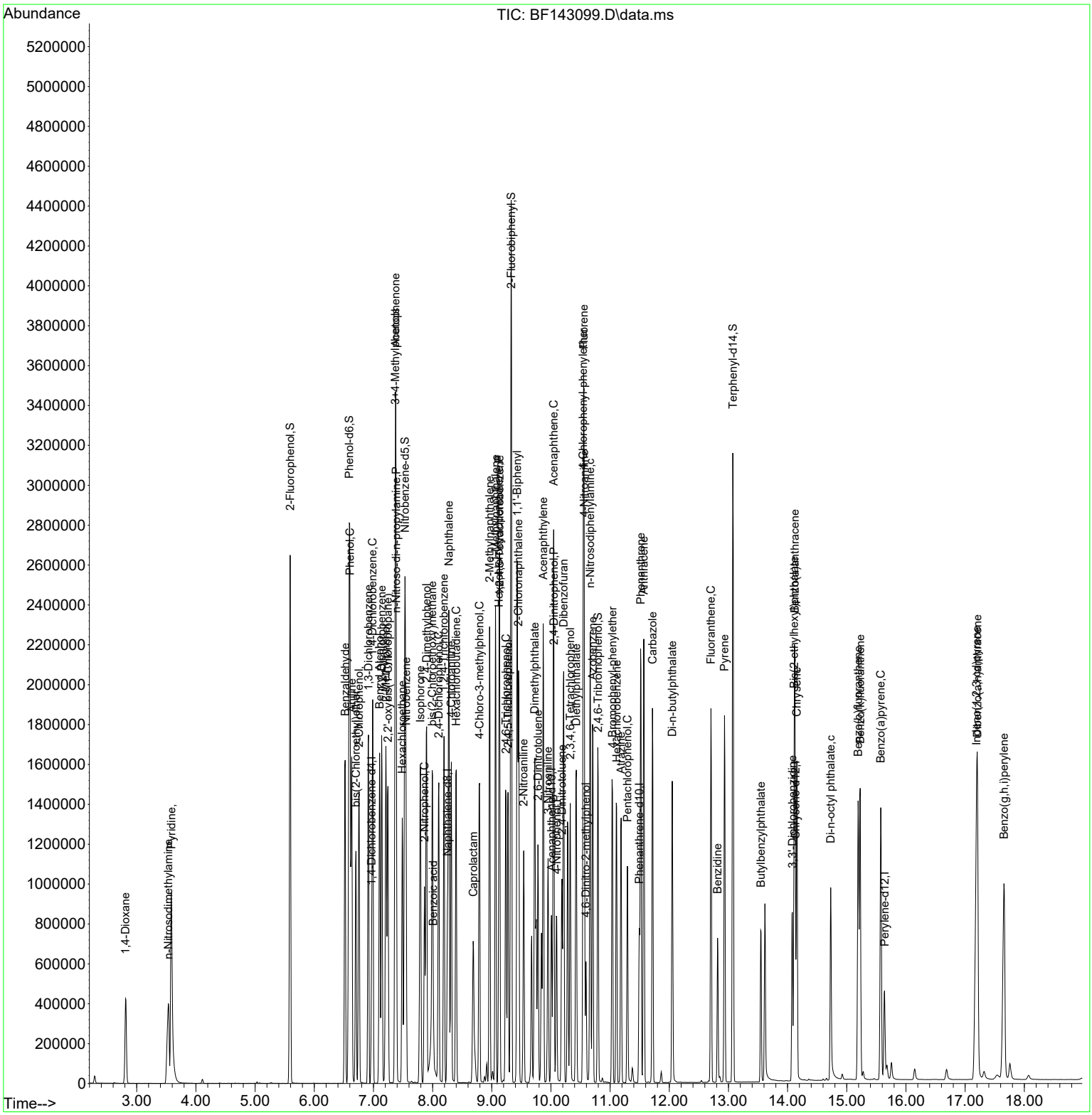
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143099.D
Acq On : 15 Jul 2025 16:05
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

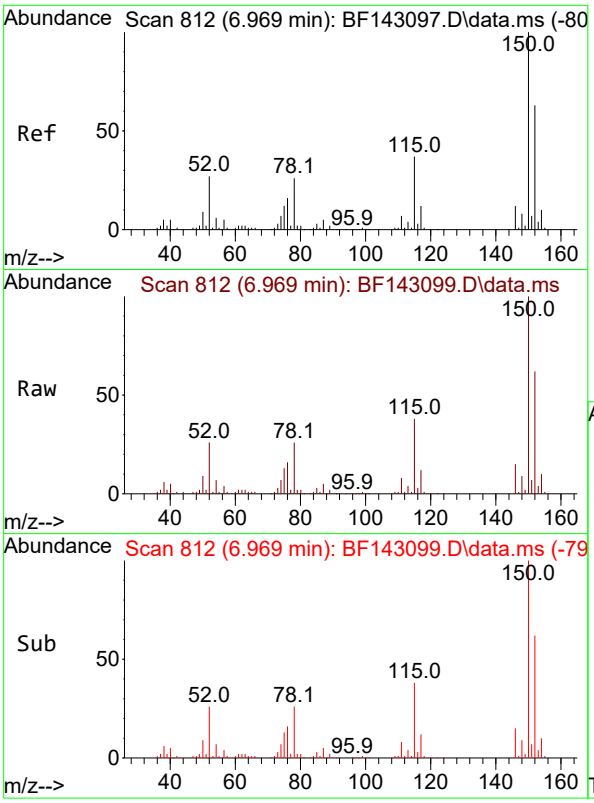
Quant Time: Jul 15 17:41:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

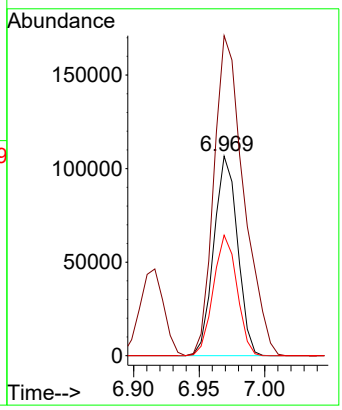





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:152 Resp: 13394

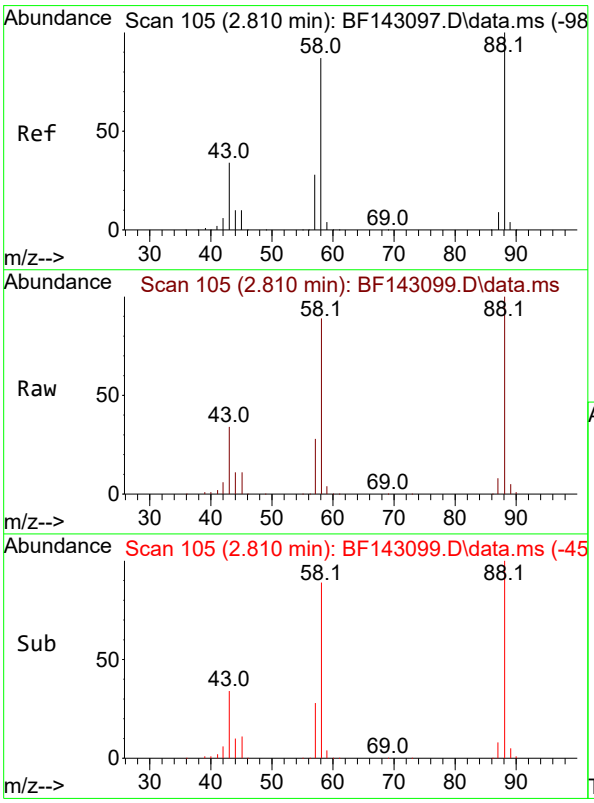
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.4 | 126.5 | 189.7 |
| 115 | 60.4 | 47.0 | 70.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

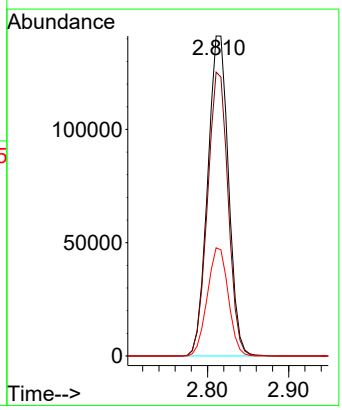
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

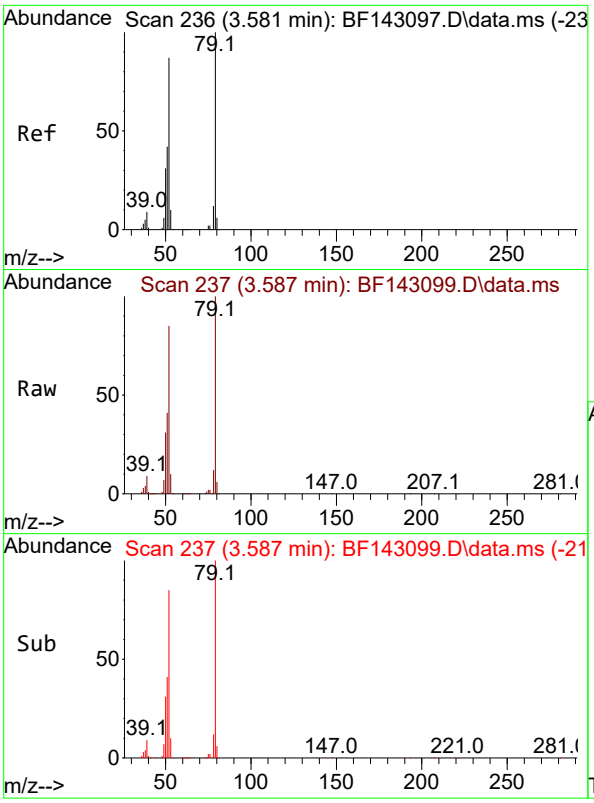



#2
1,4-Dioxane
Concen: 59.625 ng
RT: 2.810 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 88 Resp: 251636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 87.7 | 70.5 | 105.7 |
| 43 | 34.0 | 27.3 | 40.9 |

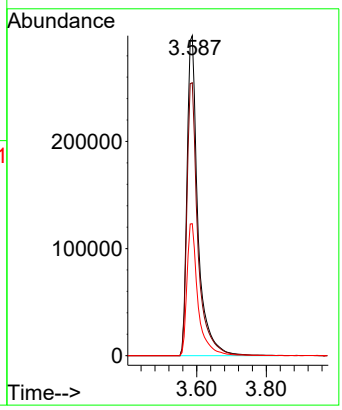





#3
Pyridine
Concen: 60.624 ng
RT: 3.587 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 79 Resp: 64787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 85.3 | 69.2 | 103.8 |
| 51 | 41.3 | 33.3 | 49.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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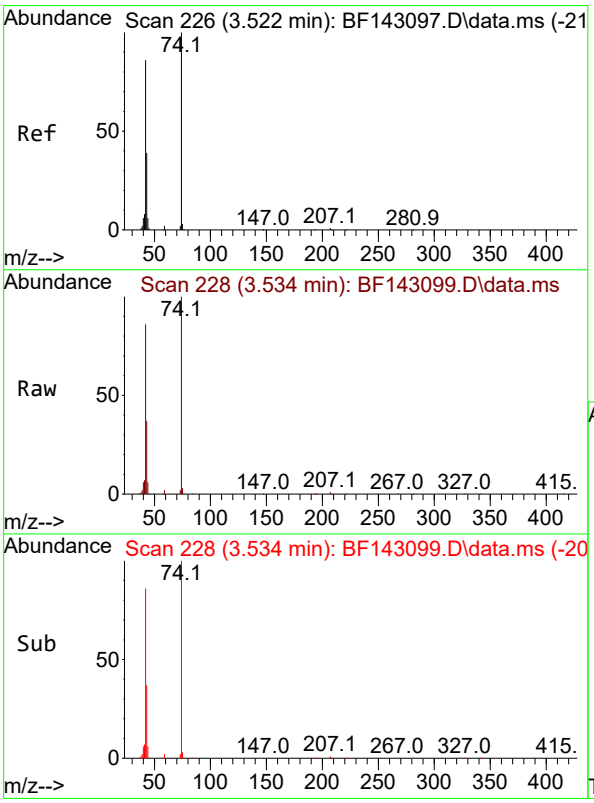
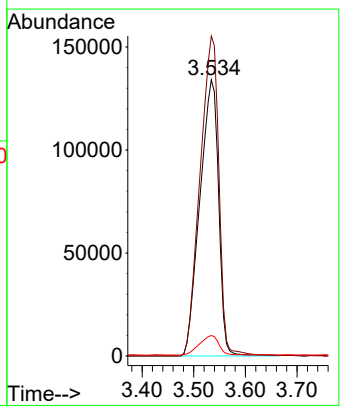
Supervised By :Jagrut Upadhyay 07/16/2025

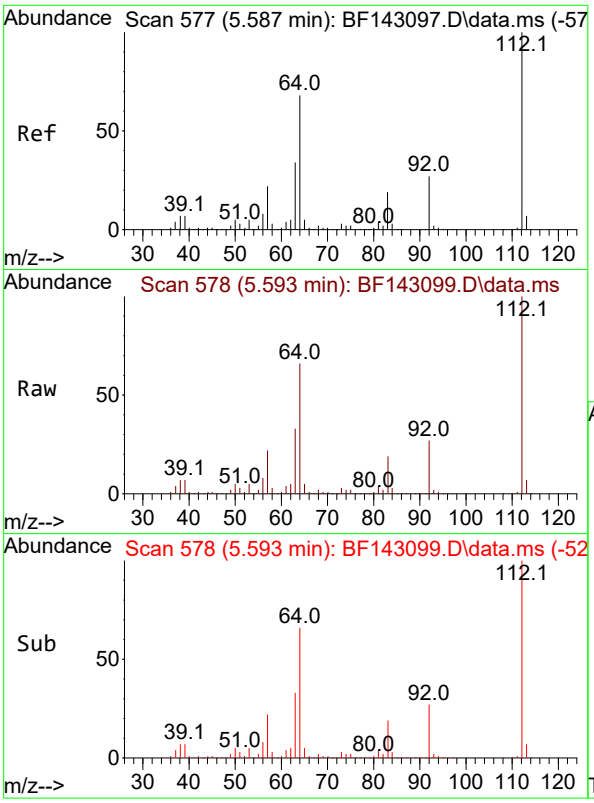



#4
n-Nitrosodimethylamine
Concen: 60.943 ng
RT: 3.534 min Scan# 228
Delta R.T. 0.012 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 42 Resp: 337438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 115.8 | 92.8 | 139.2 |
| 44 | 7.4 | 5.8 | 8.6 |

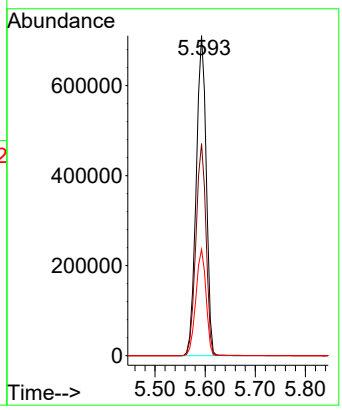





#5
2-Fluorophenol
Concen: 116.776 ng
RT: 5.593 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:112 Resp: 99004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 66.2 | 54.6 | 82.0 |
| 63 | 33.2 | 27.3 | 40.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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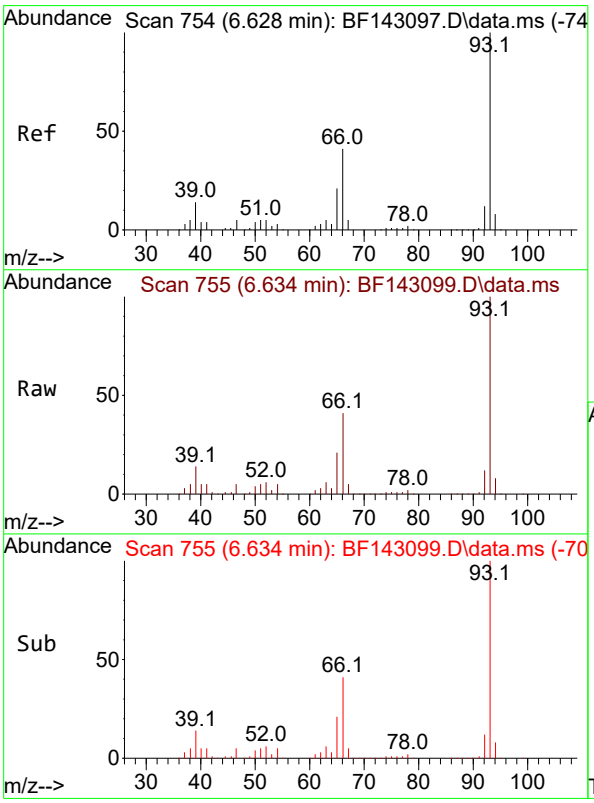
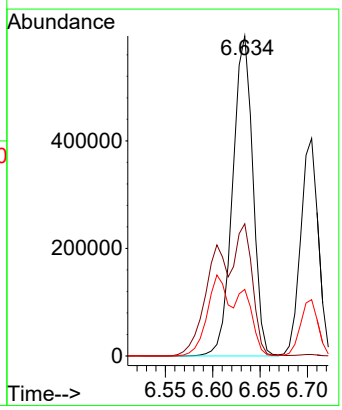
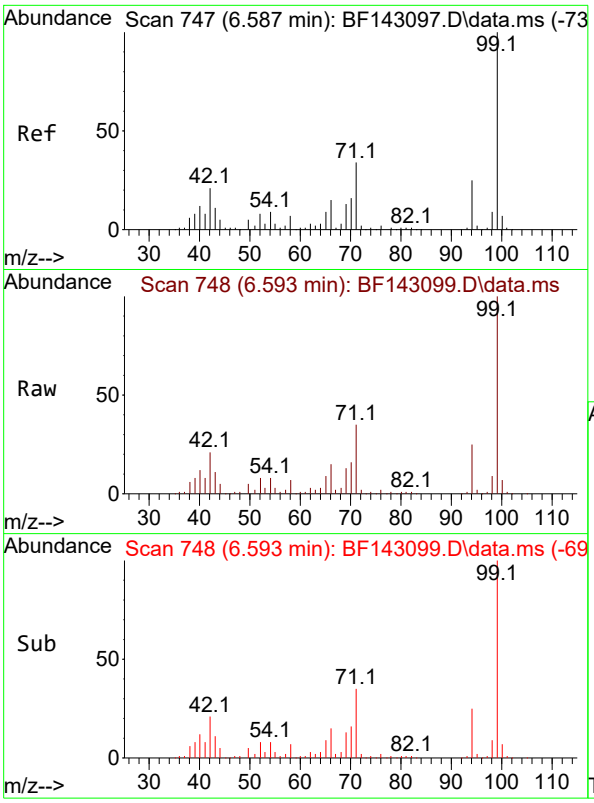



#6
Aniline
Concen: 58.815 ng
RT: 6.634 min Scan# 755
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 93 Resp: 882633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 41.3 | 33.1 | 49.7 |
| 65 | 20.8 | 16.9 | 25.3 |

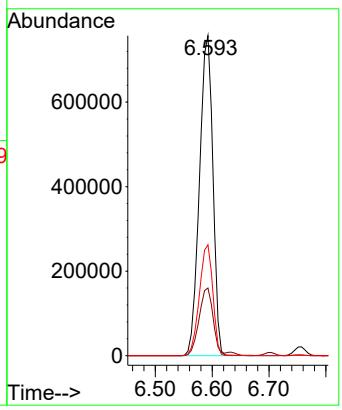





#7
Phenol-d6
Concen: 116.695 ng
RT: 6.593 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 99 Resp: 124361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.2 | 17.2 | 25.8 |
| 71 | 34.7 | 27.4 | 41.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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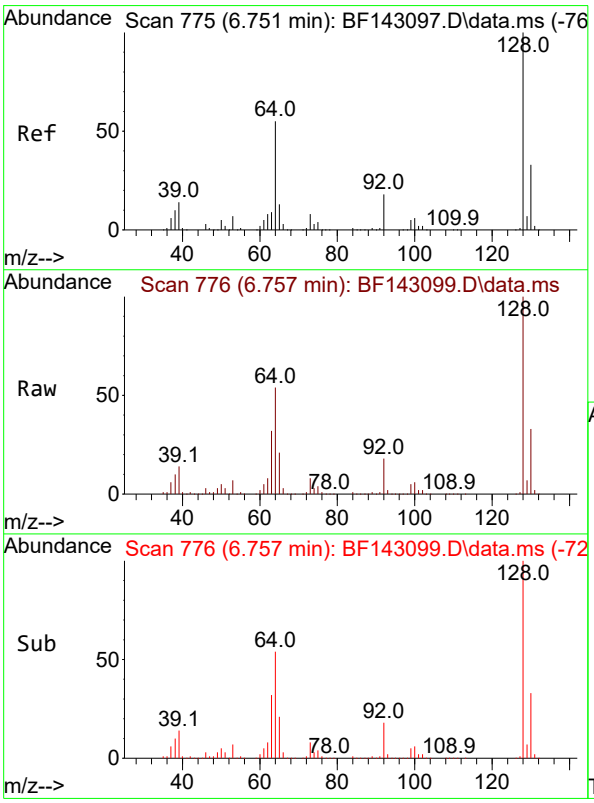
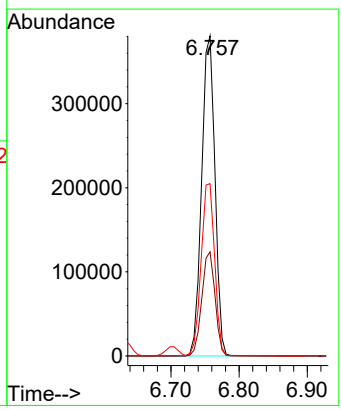
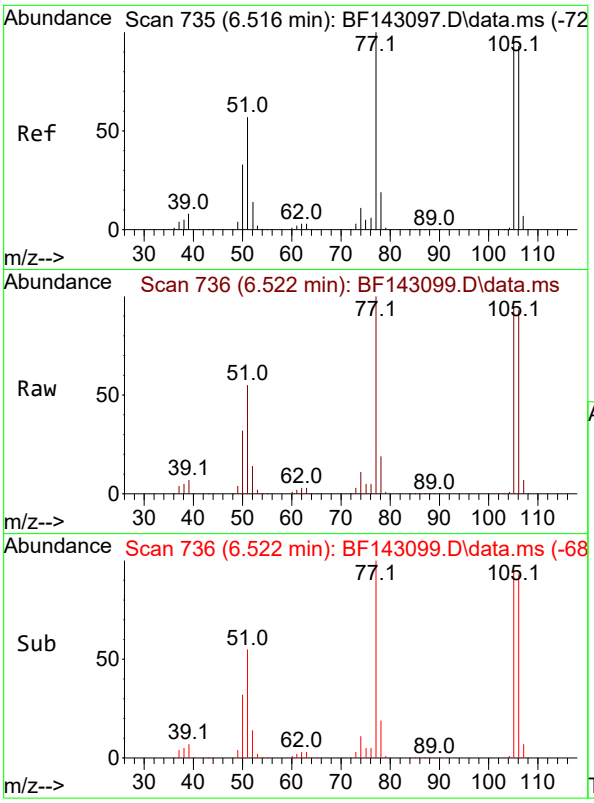



#8
2-Chlorophenol
Concen: 60.690 ng
RT: 6.757 min Scan# 776
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:128 Resp: 516965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.5 | 12.8 | 52.8 |
| 64 | 53.9 | 36.1 | 76.1 |

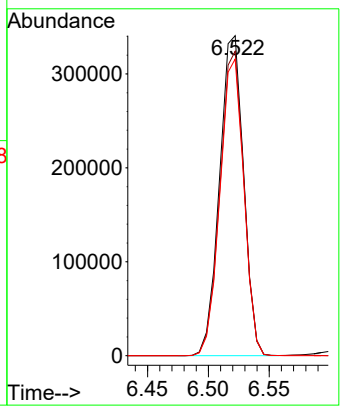





#9
Benzaldehyde
Concen: 57.571 ng
RT: 6.522 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 77 Resp: 46749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 95.1 | 76.3 | 116.3 |
| 106 | 92.7 | 72.8 | 112.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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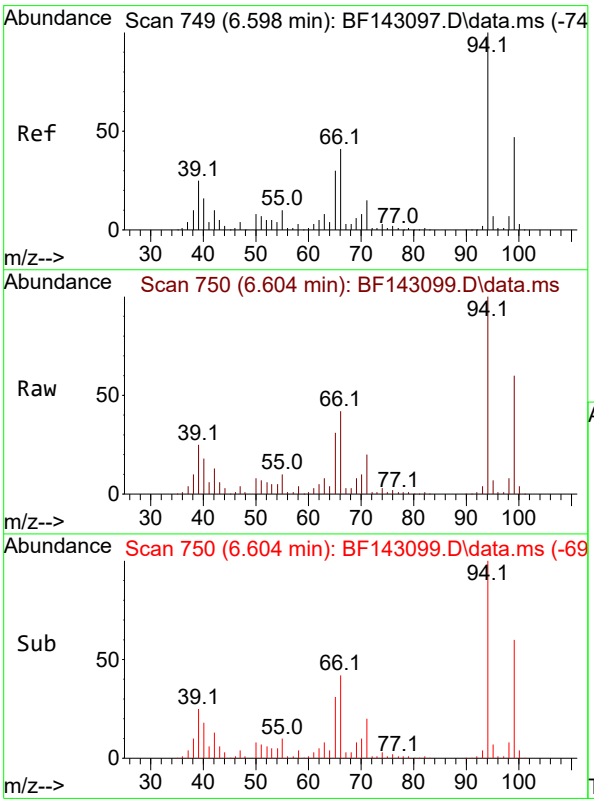
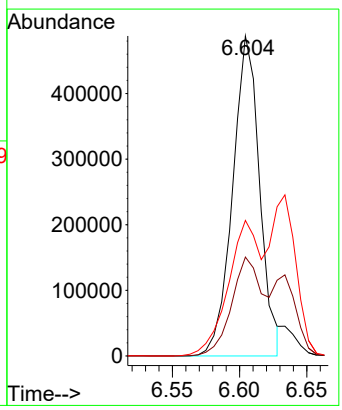
Supervised By :Jagrut Upadhyay 07/16/2025

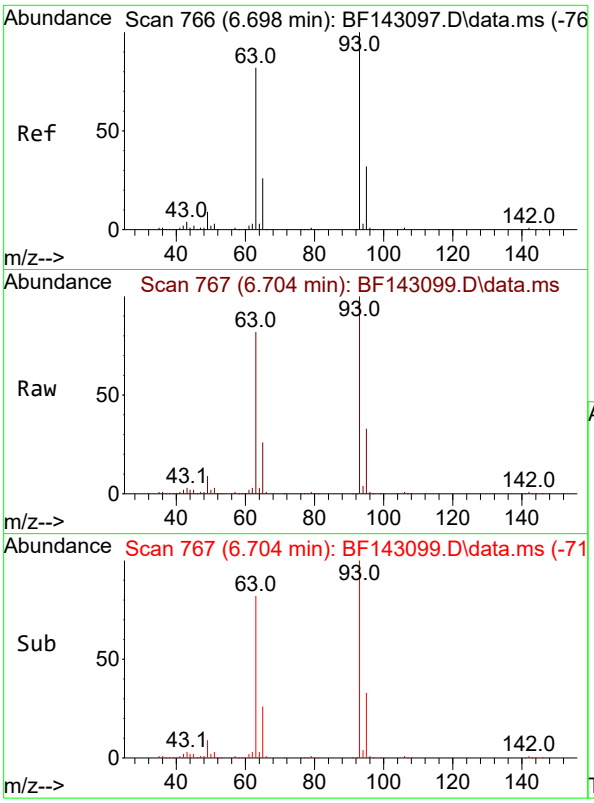



#10
Phenol
Concen: 59.015 ng m
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 94 Resp: 680847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 30.9 | 9.8 | 49.8 |
| 66 | 42.4 | 20.5 | 60.5 |






#11
bis(2-Chloroethyl)ether
Concen: 58.076 ng
RT: 6.704 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 93 Resp: 51869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 82.4 | 61.9 | 101.9 |
| 95 | 32.6 | 12.2 | 52.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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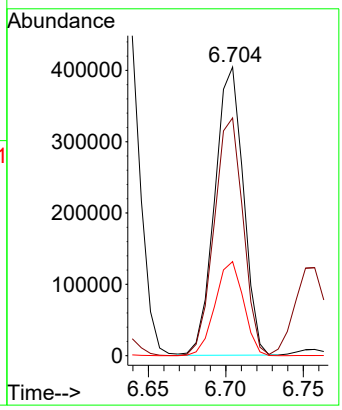
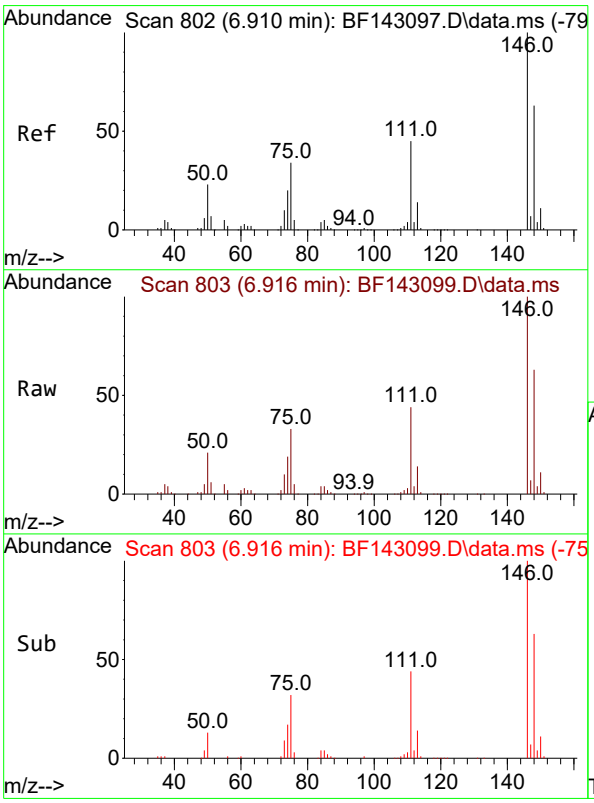
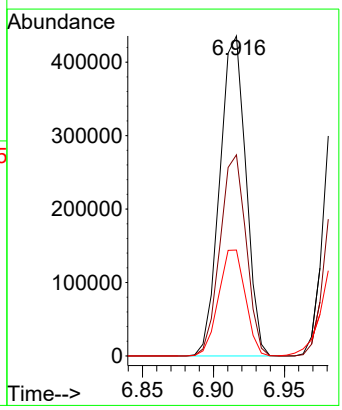


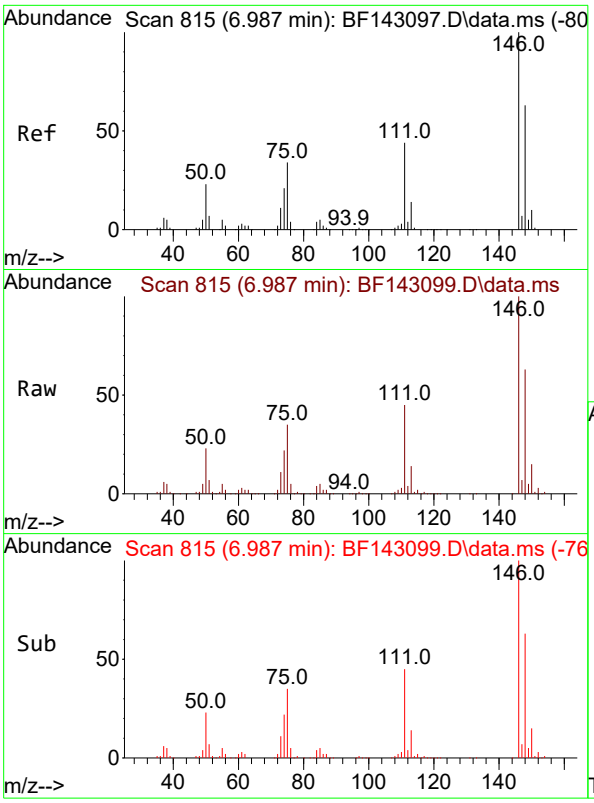




#12
1,3-Dichlorobenzene
Concen: 57.965 ng
RT: 6.916 min Scan# 803
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:146 Resp: 557813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.8 | 50.1 | 75.1 |
| 75 | 33.1 | 27.4 | 41.0 |

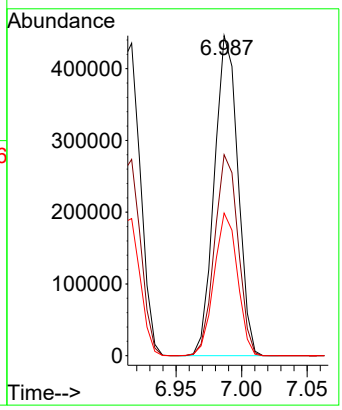





#13
1,4-Dichlorobenzene
Concen: 57.513 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:146 Resp: 55680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.8 | 50.6 | 76.0 |
| 111 | 44.6 | 35.0 | 52.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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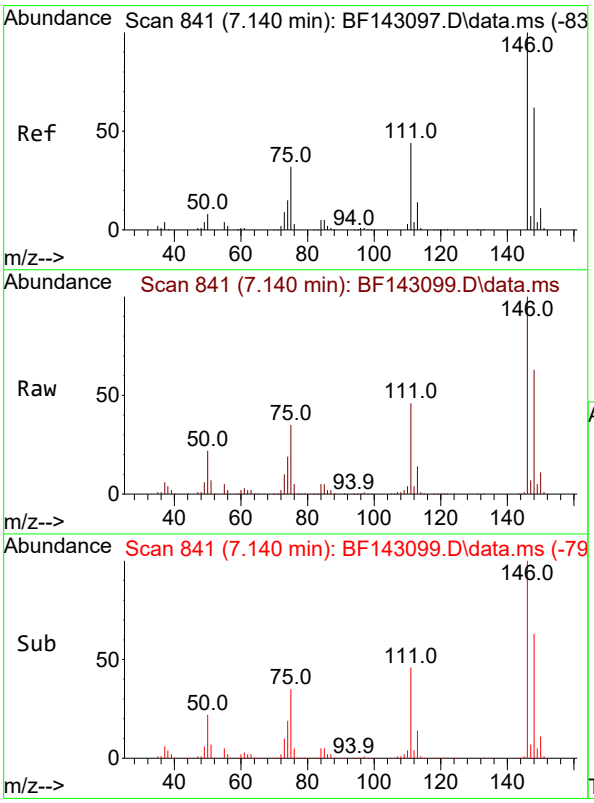
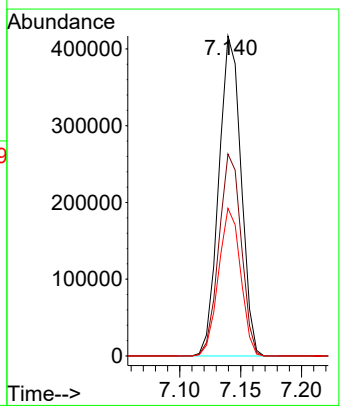
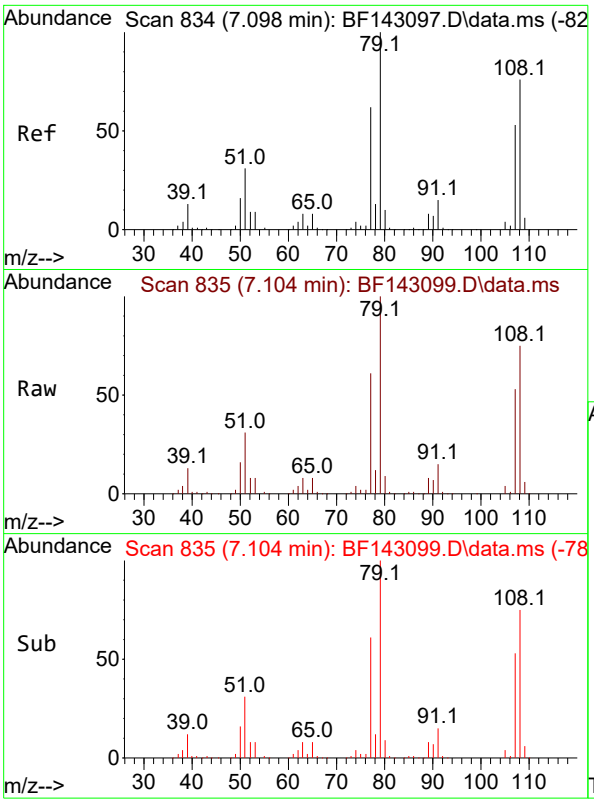



#14
1,2-Dichlorobenzene
Concen: 57.510 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:146 Resp: 530965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.1 | 49.8 | 74.6 |
| 111 | 46.1 | 35.4 | 53.0 |

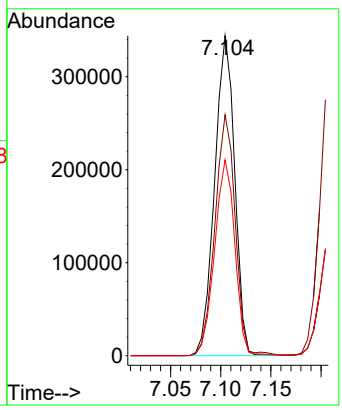





#15
Benzyl Alcohol
Concen: 60.505 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 79 Resp: 47777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 75.3 | 61.1 | 91.7 |
| 77 | 61.2 | 49.9 | 74.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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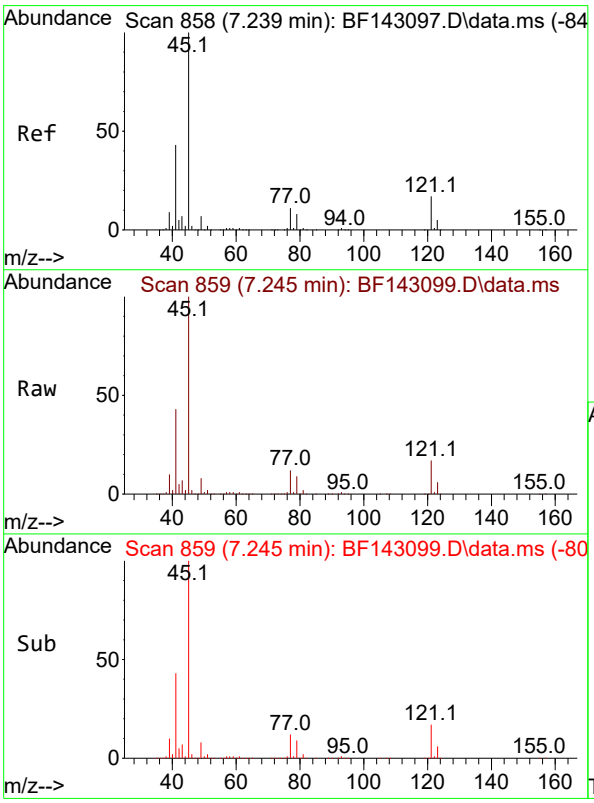
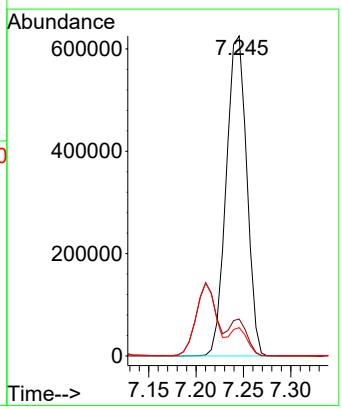
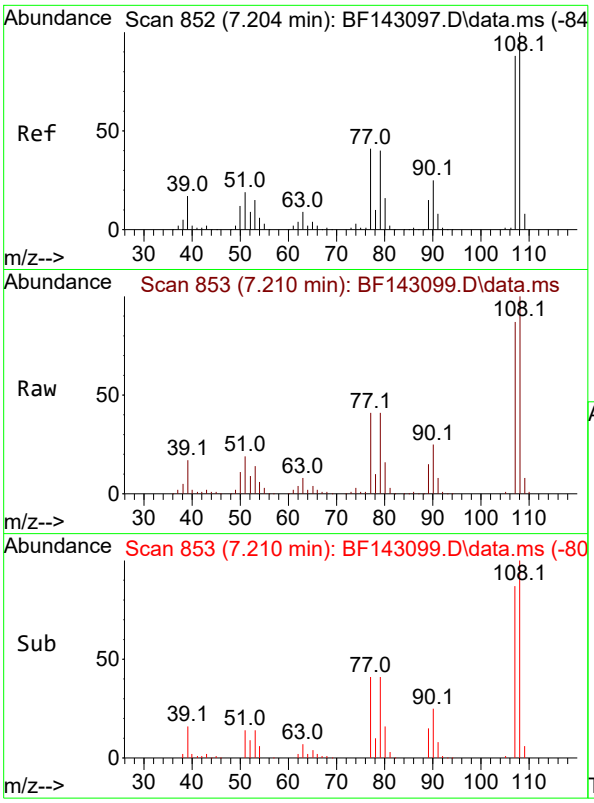



#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.157 ng
RT: 7.245 min Scan# 859
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 45 Resp: 941009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 11.5 | 0.0 | 31.1 |
| 79 | 8.9 | 0.0 | 28.4 |

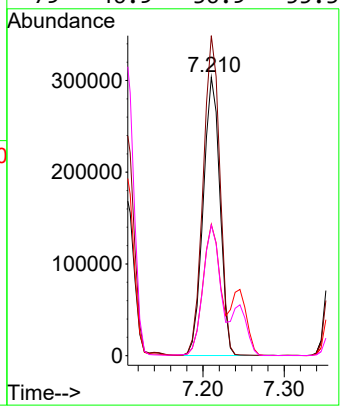





#17
2-Methylphenol
Concen: 58.876 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:107 Resp: 43278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.9 | 90.9 | 136.3 |
| 77 | 47.2 | 37.5 | 56.3 |
| 79 | 46.9 | 36.9 | 55.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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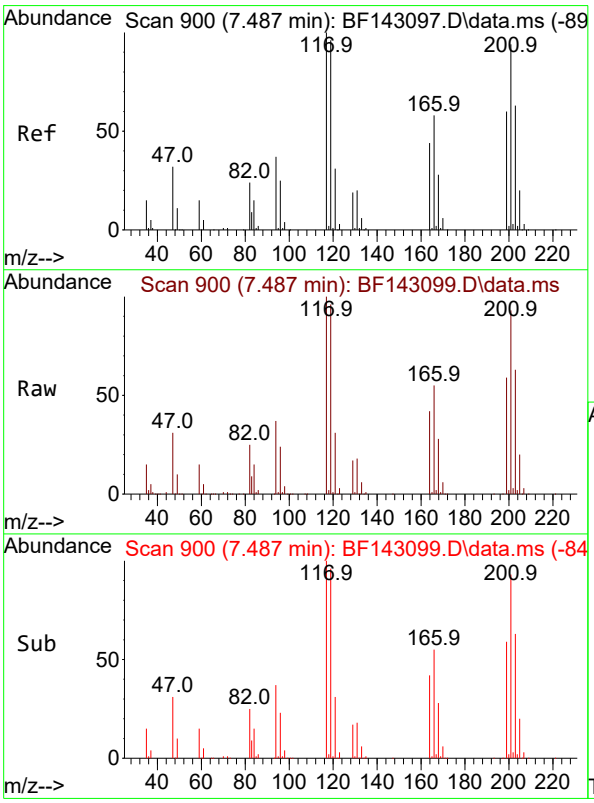
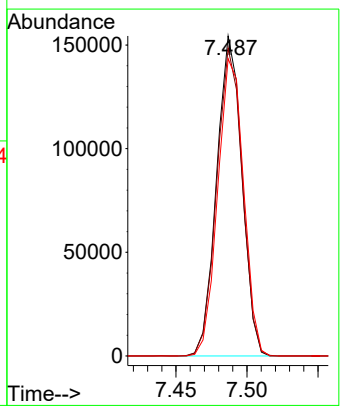
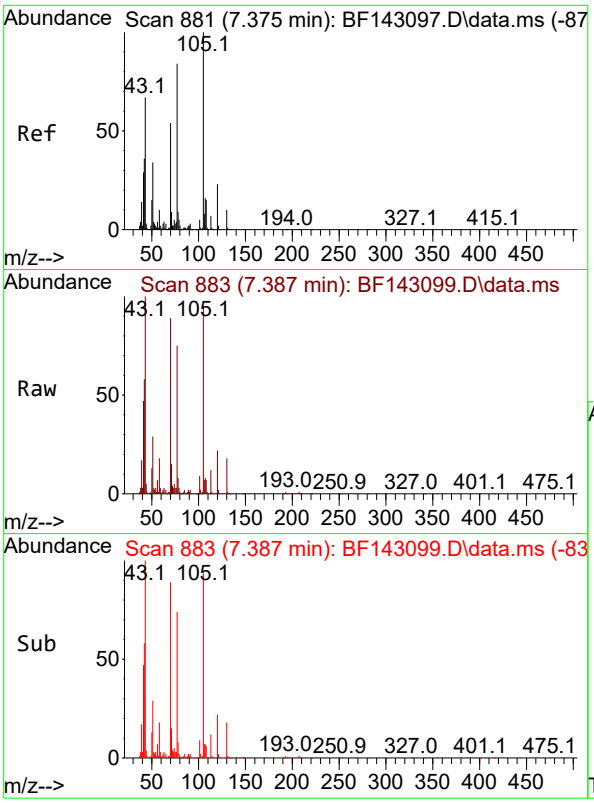



#18
Hexachloroethane
Concen: 60.747 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:117 Resp: 191457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.2 | 76.7 | 115.1 |
| 201 | 92.9 | 75.0 | 112.4 |

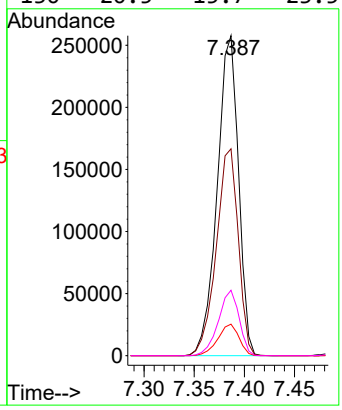





#19
n-Nitroso-di-n-propylamine
Concen: 58.184 ng
RT: 7.387 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 70 Resp: 37988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 64.6 | 53.2 | 79.8 |
| 101 | 9.9 | 7.5 | 11.3 |
| 130 | 20.5 | 15.7 | 23.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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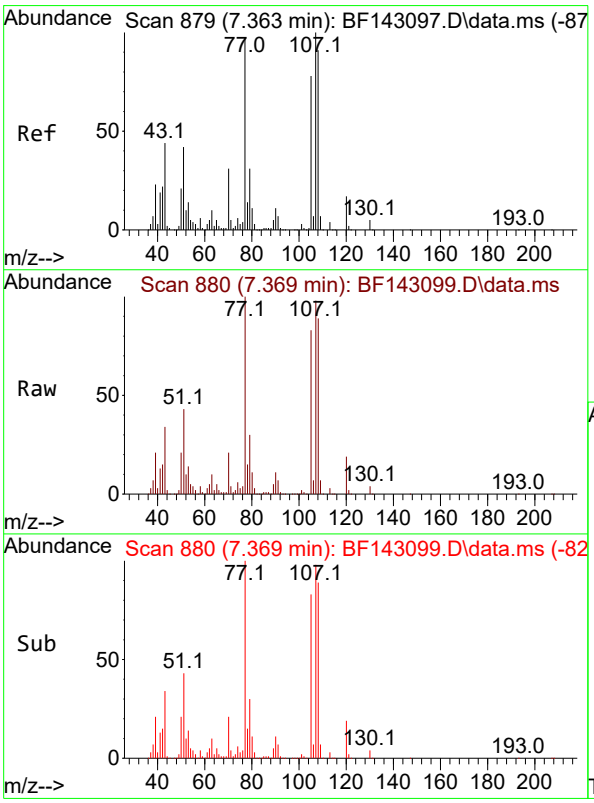
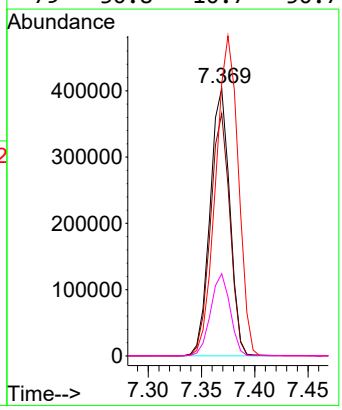
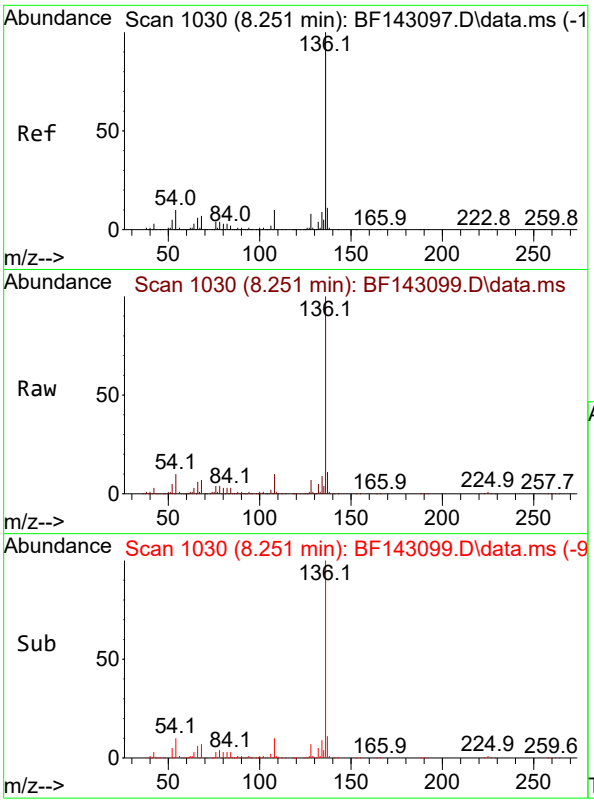



#20
3+4-Methylphenols
Concen: 57.645 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:107 Resp: 519658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.6 | 71.3 | 111.3 |
| 77 | 101.8 | 77.2 | 117.2 |
| 79 | 30.8 | 10.7 | 50.7 |

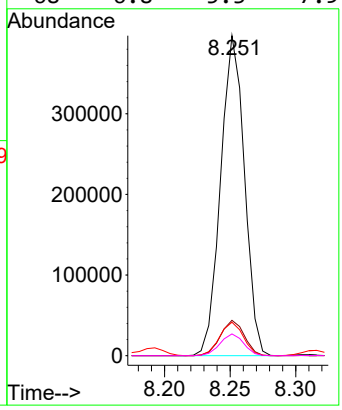





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:136 Resp: 50173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.9 | 13.3 |
| 54 | 10.4 | 8.3 | 12.5 |
| 68 | 6.8 | 5.3 | 7.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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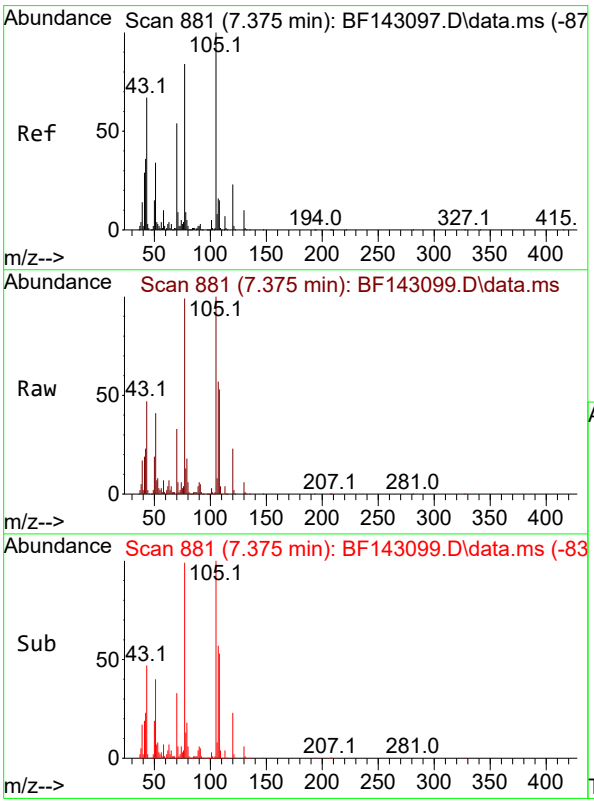
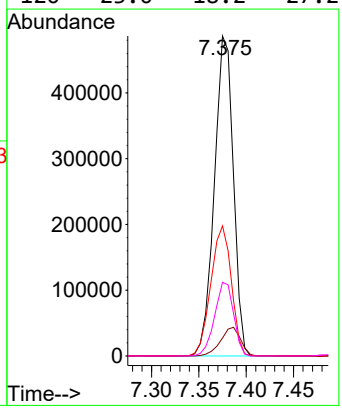
Supervised By :Jagrut Upadhyay 07/16/2025

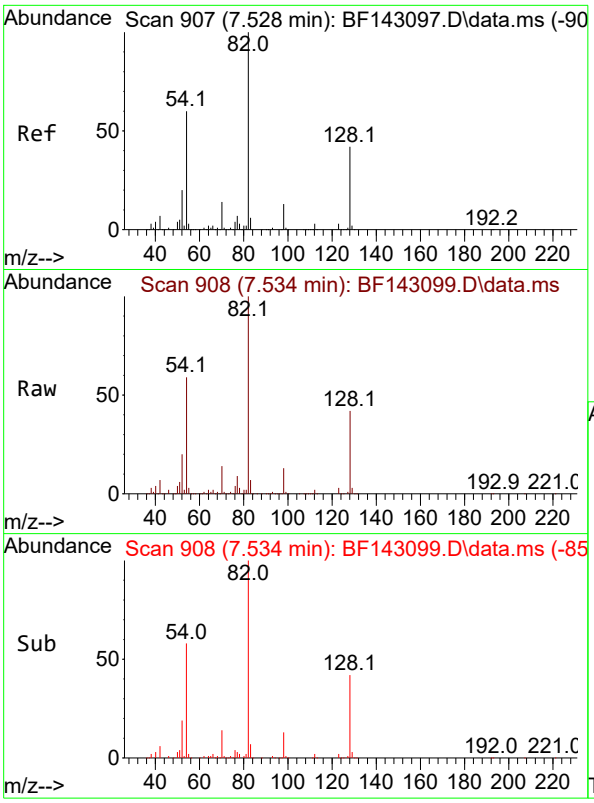



#22
Acetophenone
Concen: 56.141 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:105 Resp: 679007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 5.6 | 7.2 | 10.8# |
| 51 | 40.7 | 27.0 | 40.4# |
| 120 | 23.0 | 18.2 | 27.2 |

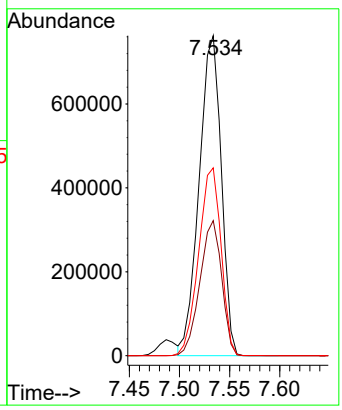





#23
Nitrobenzene-d5
Concen: 131.129 ng
RT: 7.534 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 82 Resp: 117283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.2 | 33.3 | 49.9 |
| 54 | 58.7 | 47.4 | 71.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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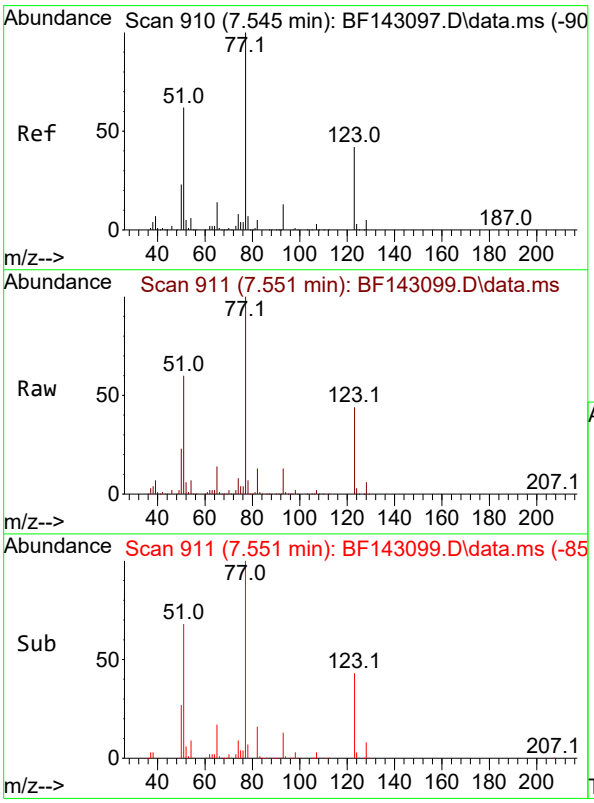
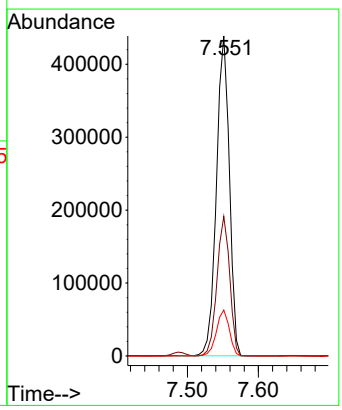
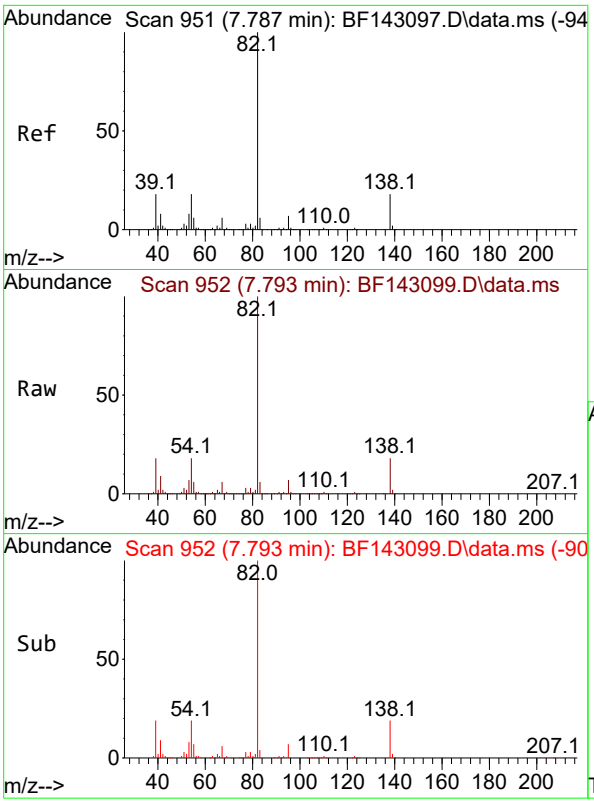



#24
Nitrobenzene
Concen: 63.778 ng
RT: 7.551 min Scan# 911
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 77 Resp: 550668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 43.6 | 34.5 | 51.7 |
| 65 | 14.3 | 11.3 | 16.9 |

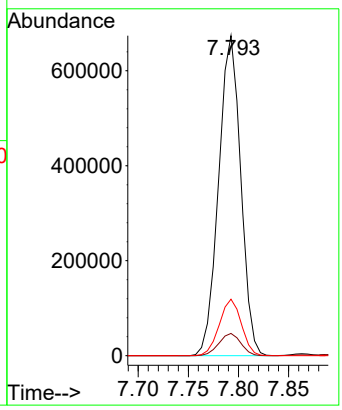





#25
Isophorone
Concen: 59.793 ng
RT: 7.793 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 82 Resp: 103365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.0 | 5.6 | 8.4 |
| 138 | 17.6 | 14.3 | 21.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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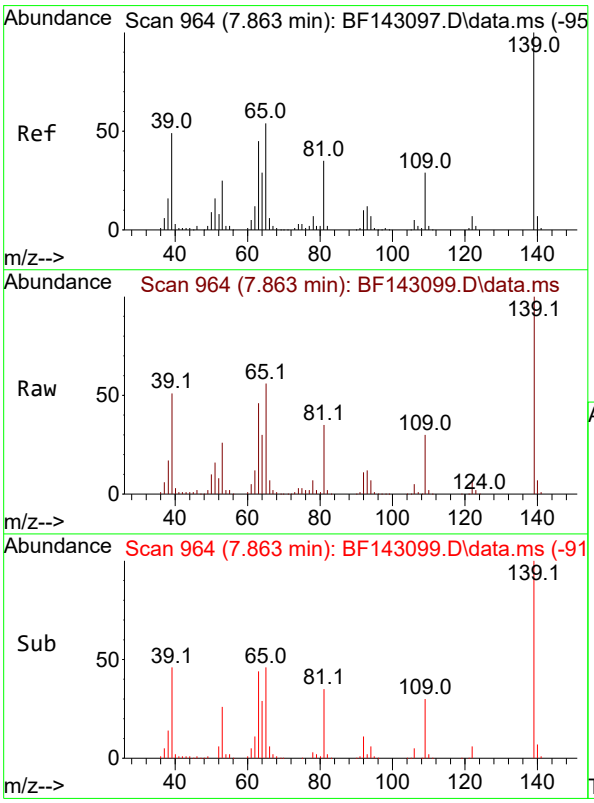
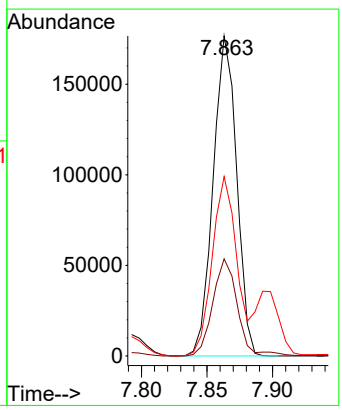
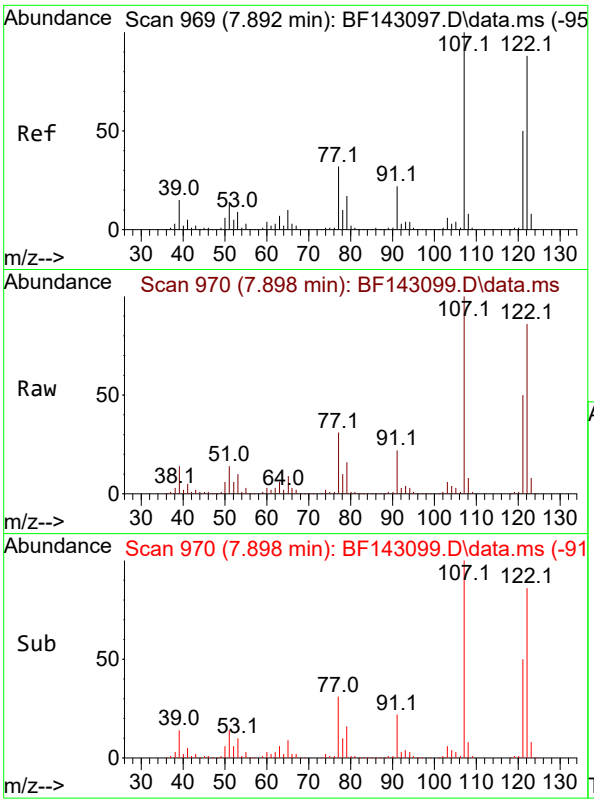



#26
2-Nitrophenol
Concen: 62.382 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:139 Resp: 219665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 30.4 | 23.4 | 35.0 |
| 65 | 56.1 | 43.4 | 65.2 |

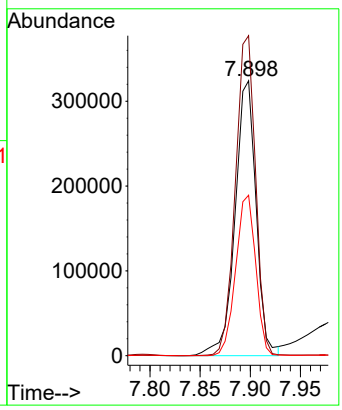





#27
2,4-Dimethylphenol
Concen: 59.127 ng
RT: 7.898 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:122 Resp: 47441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 116.4 | 91.3 | 136.9 |
| 121 | 58.4 | 45.5 | 68.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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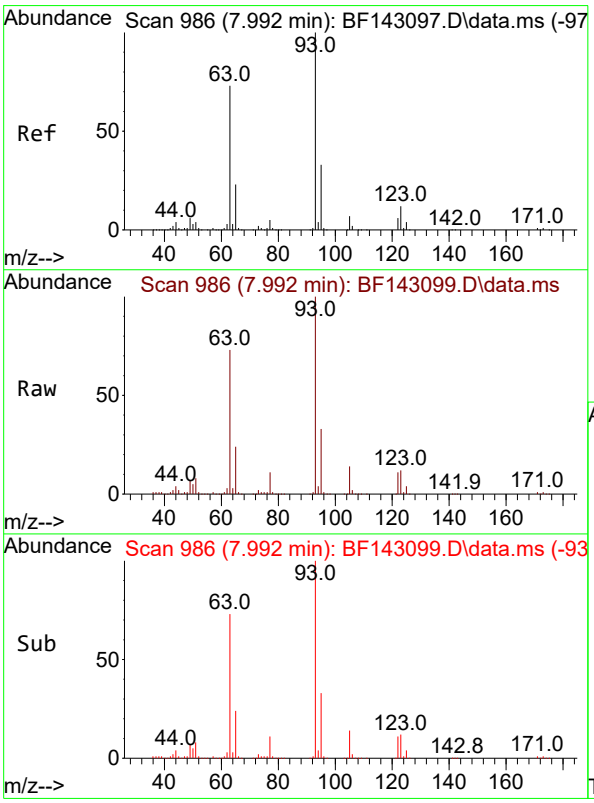
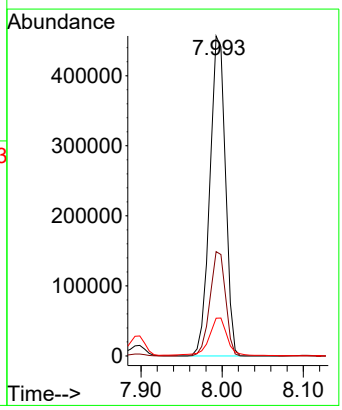
Supervised By :Jagrut Upadhyay 07/16/2025

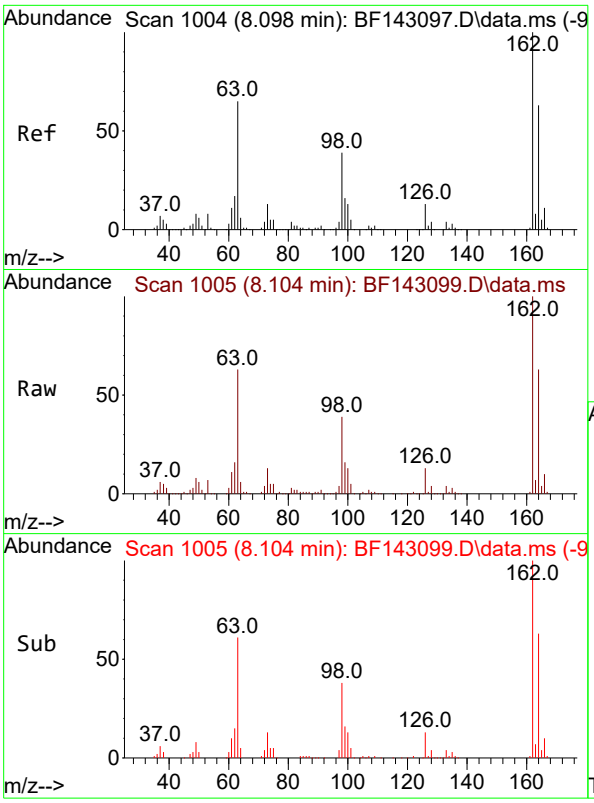



#28
bis(2-Chloroethoxy)methane
Concen: 58.029 ng
RT: 7.992 min Scan# 986
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 93 Resp: 608314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.6 | 26.2 | 39.4 |
| 123 | 11.8 | 9.6 | 14.4 |

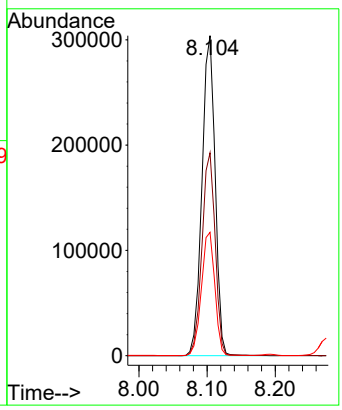





#29
2,4-Dichlorophenol
Concen: 62.256 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:162 Resp: 40865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.4 | 43.1 | 83.1 |
| 98 | 38.5 | 19.2 | 59.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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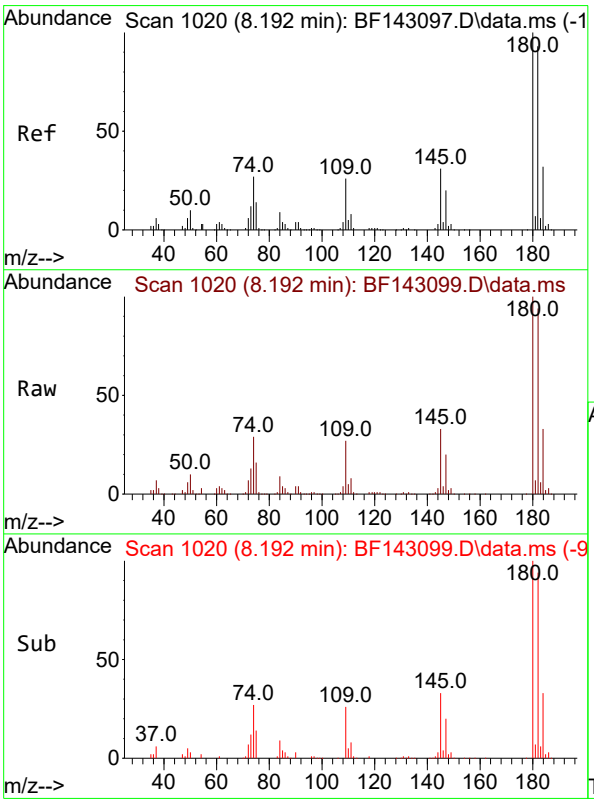
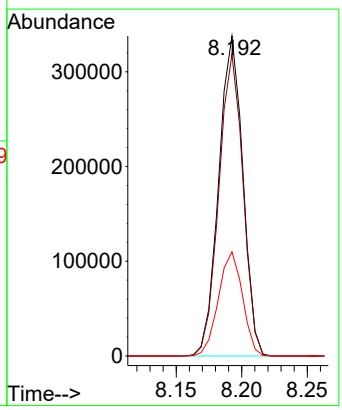
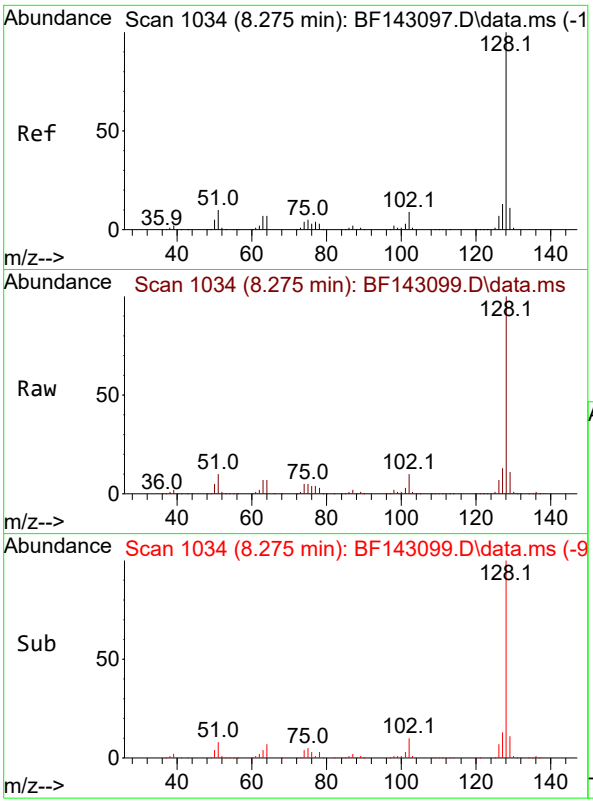



#30
1,2,4-Trichlorobenzene
Concen: 57.913 ng
RT: 8.192 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:180 Resp: 431427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.3 | 74.7 | 112.1 |
| 145 | 32.6 | 24.5 | 36.7 |

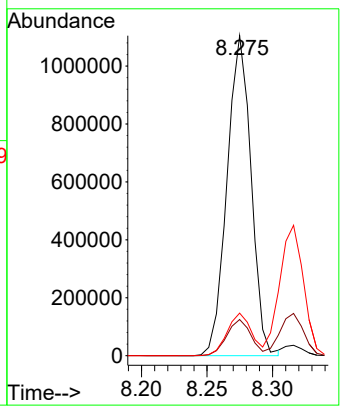





#31
Naphthalene
Concen: 56.612 ng
RT: 8.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:128 Resp: 141050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 9.0 | 13.4 |
| 127 | 13.3 | 10.5 | 15.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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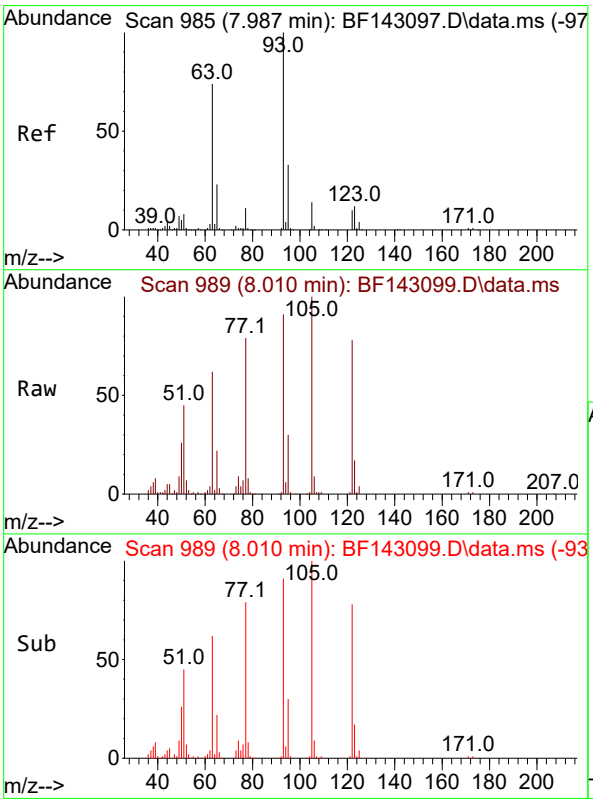
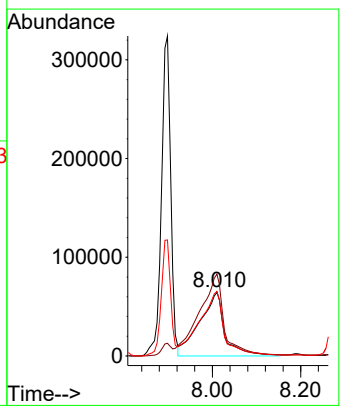
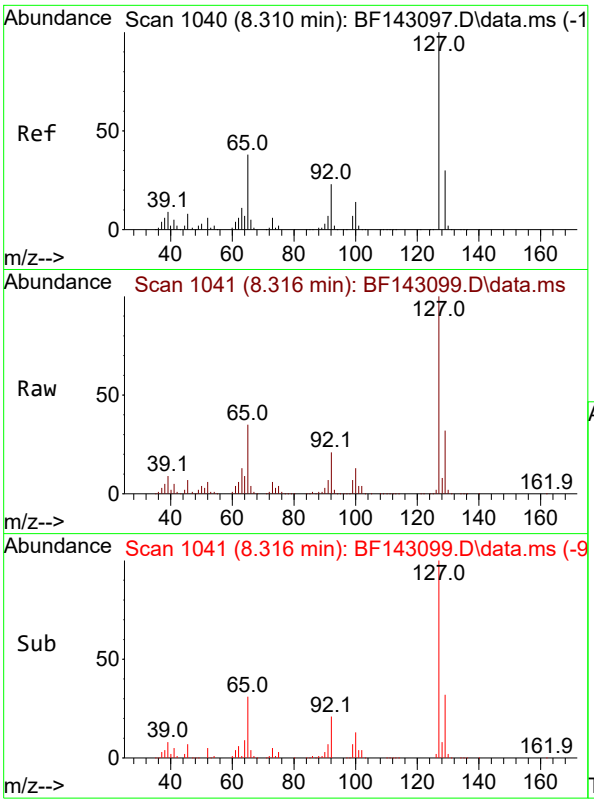



#32
Benzoic acid
Concen: 62.050 ng m
RT: 8.010 min Scan# 989
Delta R.T. 0.023 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:122 Resp: 256755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 128.8 | 105.4 | 145.4 |
| 77 | 101.6 | 78.6 | 118.6 |

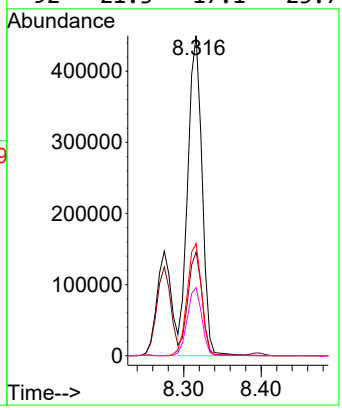





#33
4-Chloroaniline
Concen: 57.309 ng
RT: 8.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:127 Resp: 57419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.4 | 26.2 | 39.4 |
| 65 | 35.1 | 28.6 | 42.8 |
| 92 | 21.3 | 17.1 | 25.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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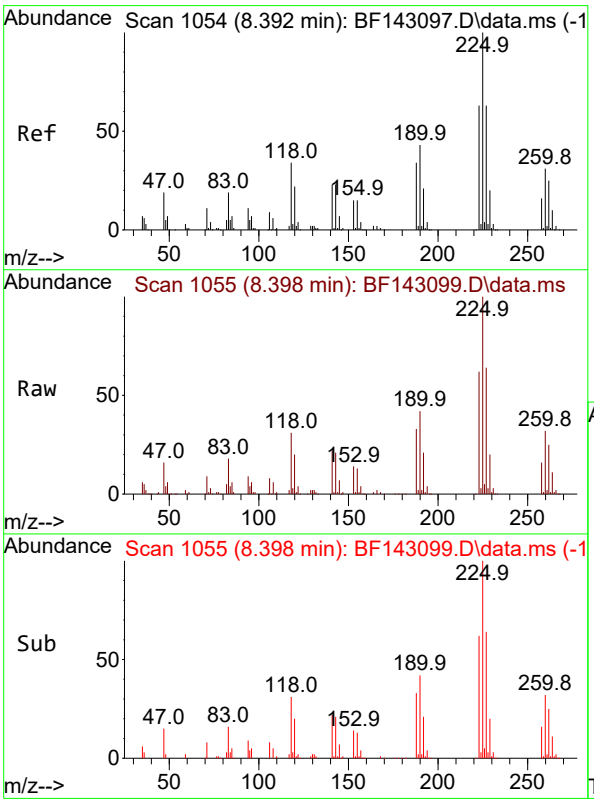
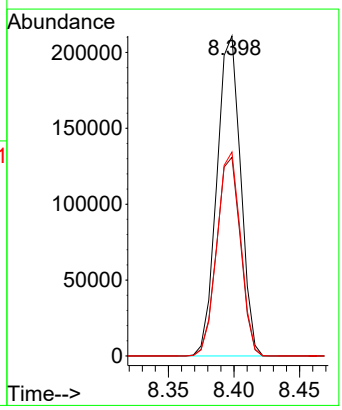
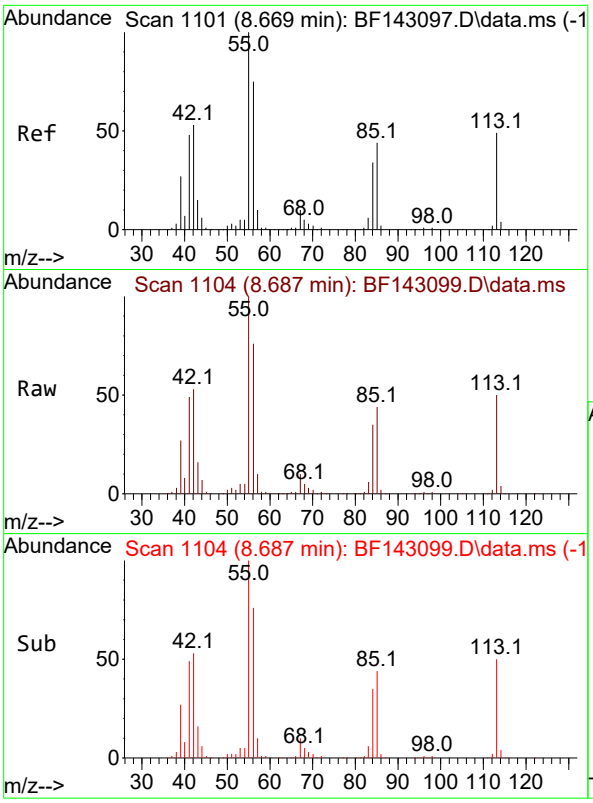



#34
Hexachlorobutadiene
Concen: 59.499 ng
RT: 8.398 min Scan# 1055
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:225 Resp: 265081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.1 | 50.3 | 75.5 |
| 227 | 63.7 | 50.1 | 75.1 |

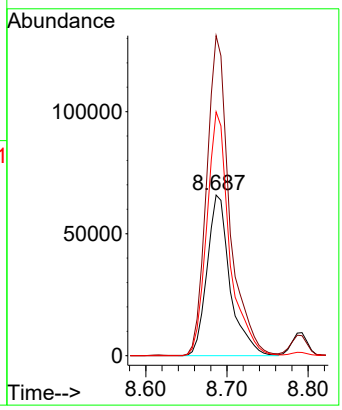





#35
Caprolactam
Concen: 63.219 ng
RT: 8.687 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:113 Resp: 12958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 199.1 | 186.2 | 226.2 |
| 56 | 151.7 | 134.1 | 174.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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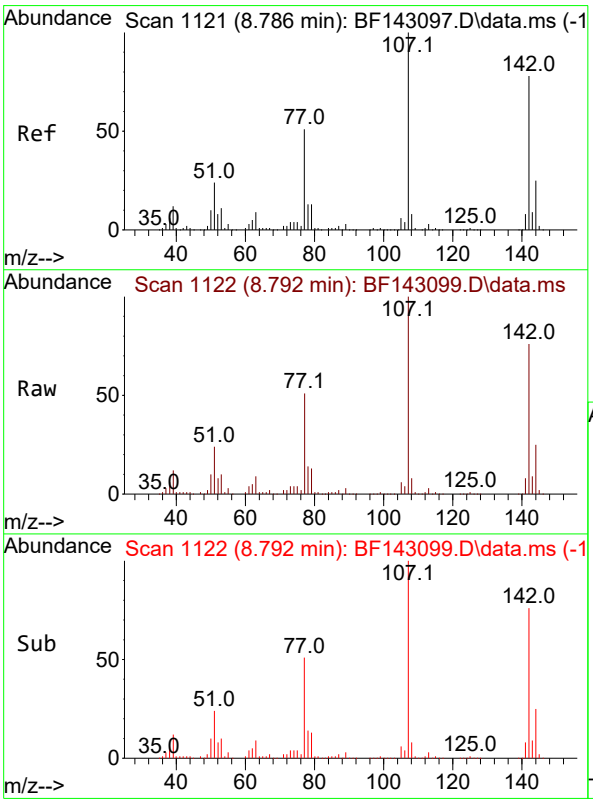
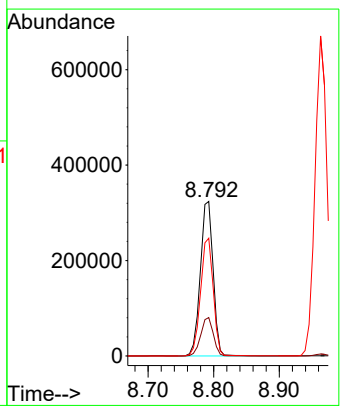
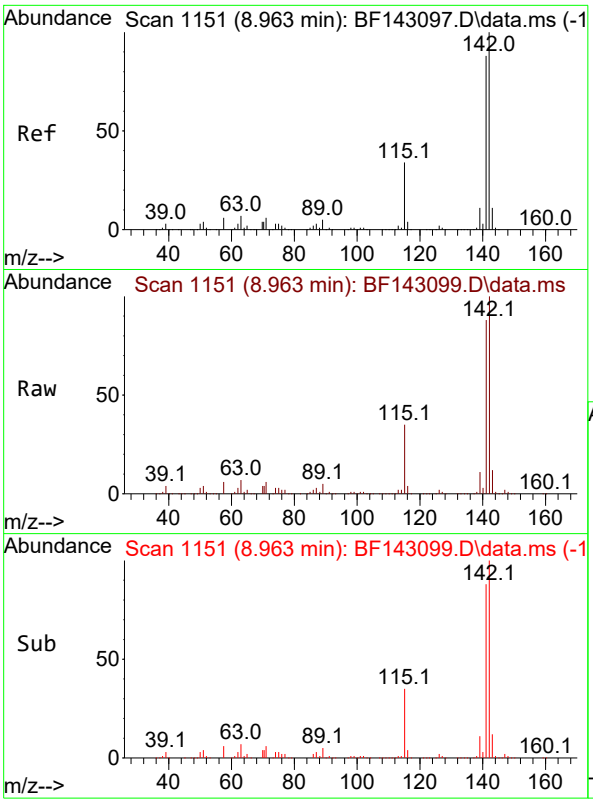



#36
4-Chloro-3-methylphenol
Concen: 60.299 ng
RT: 8.792 min Scan# 1122
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:107 Resp: 440907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.9 | 20.2 | 30.2 |
| 142 | 76.3 | 62.4 | 93.6 |






#37
2-Methylnaphthalene
Concen: 56.930 ng
RT: 8.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:142 Resp: 84619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.5 | 70.2 | 105.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations APPROVED**

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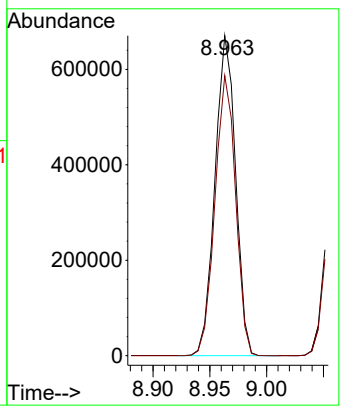
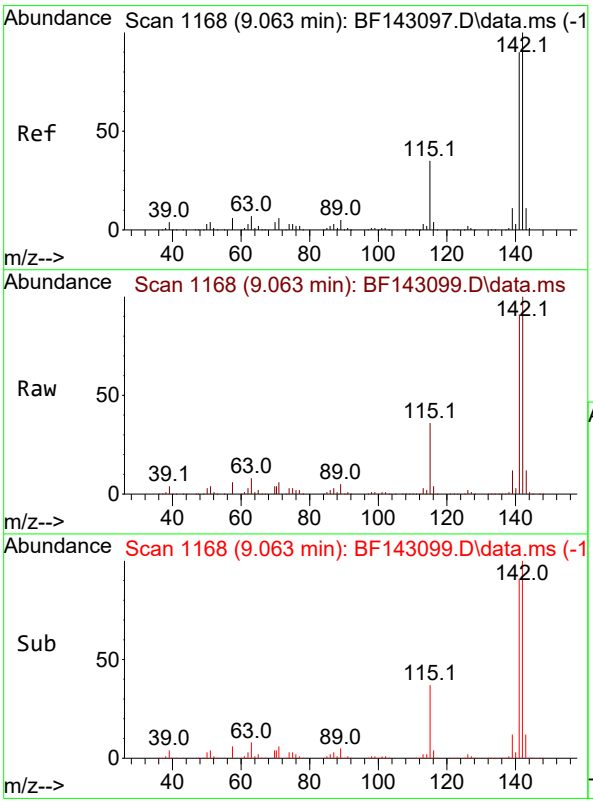
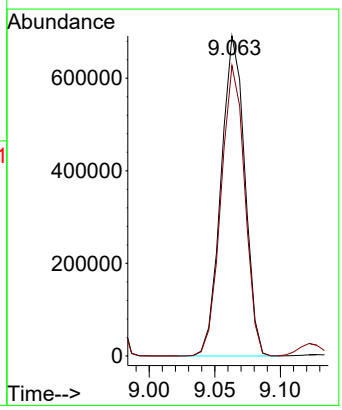


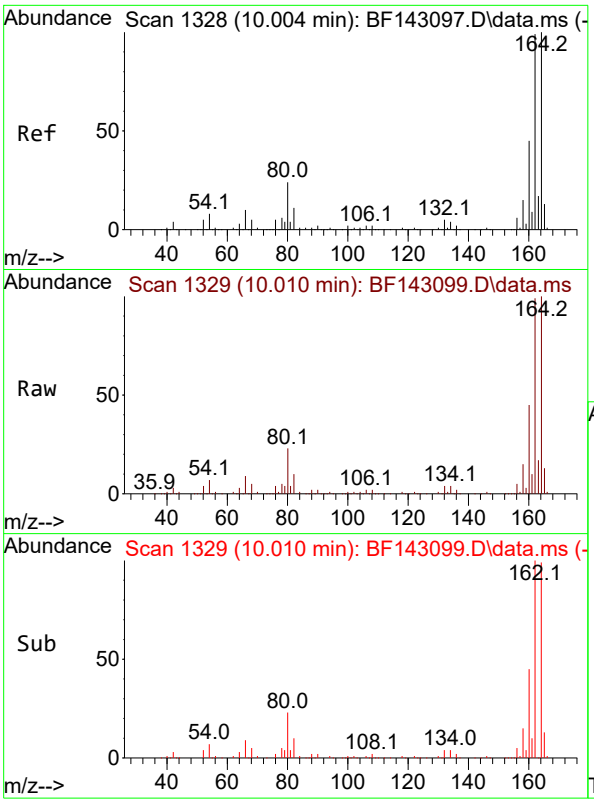




#38
1-Methylnaphthalene
Concen: 56.399 ng
RT: 9.063 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:142 Resp: 869460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.7 | 72.2 | 108.4 |






#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.010 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:164 Resp: 24600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.6 | 79.0 | 118.6 |
| 160 | 44.5 | 35.8 | 53.6 |

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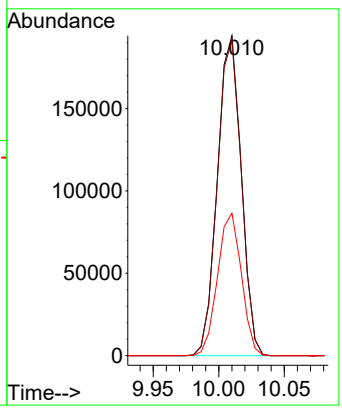
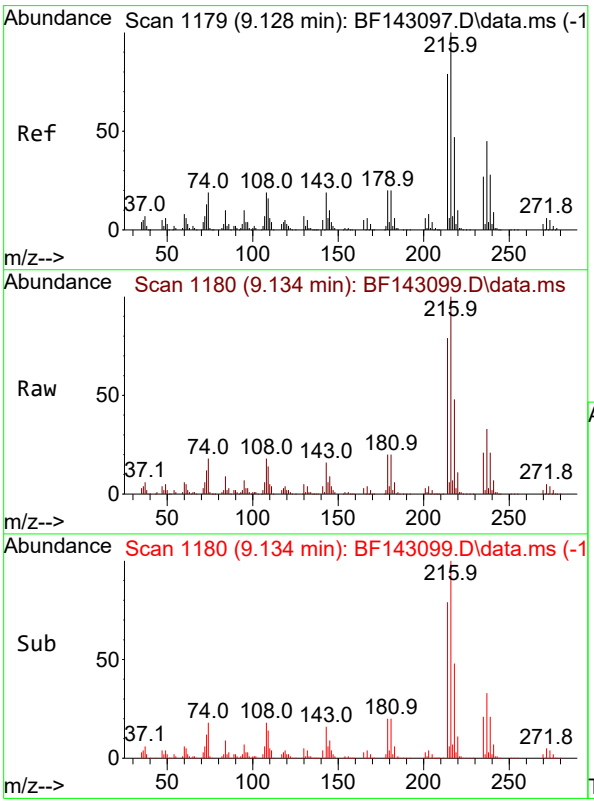
Supervised By :Jagrut Upadhyay 07/16/2025

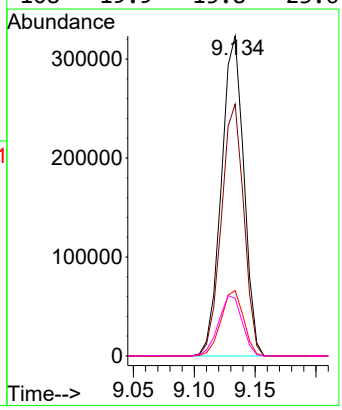


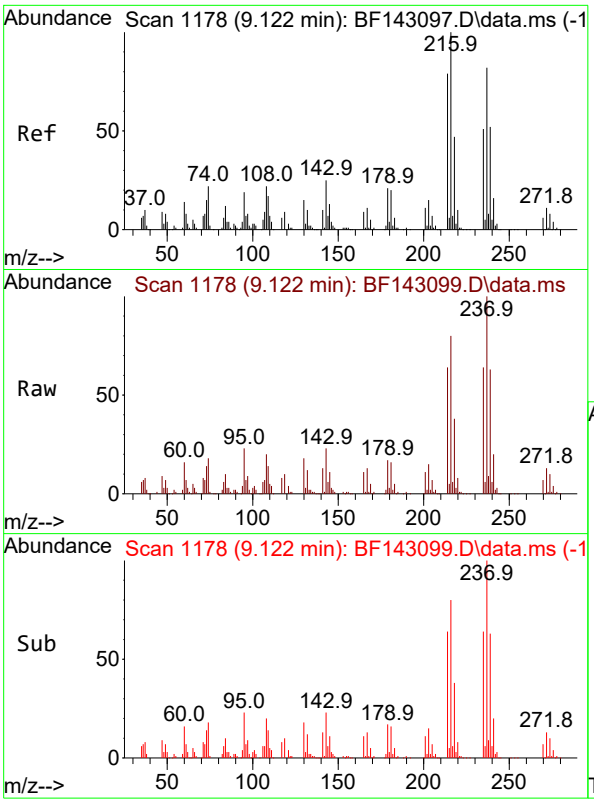




#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.762 ng
RT: 9.134 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:216 Resp: 414099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.8 | 62.6 | 94.0 |
| 179 | 20.6 | 16.2 | 24.2 |
| 108 | 19.9 | 15.8 | 23.6 |

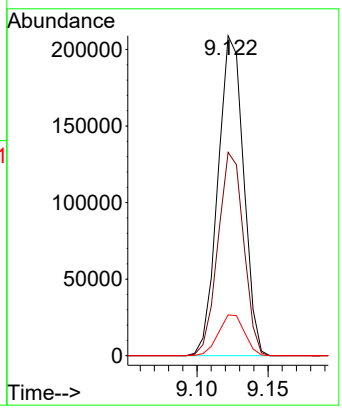





#41
Hexachlorocyclopentadiene
Concen: 66.101 ng
RT: 9.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:237 Resp: 26273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.5 | 41.6 | 81.6 |
| 272 | 12.8 | 0.0 | 32.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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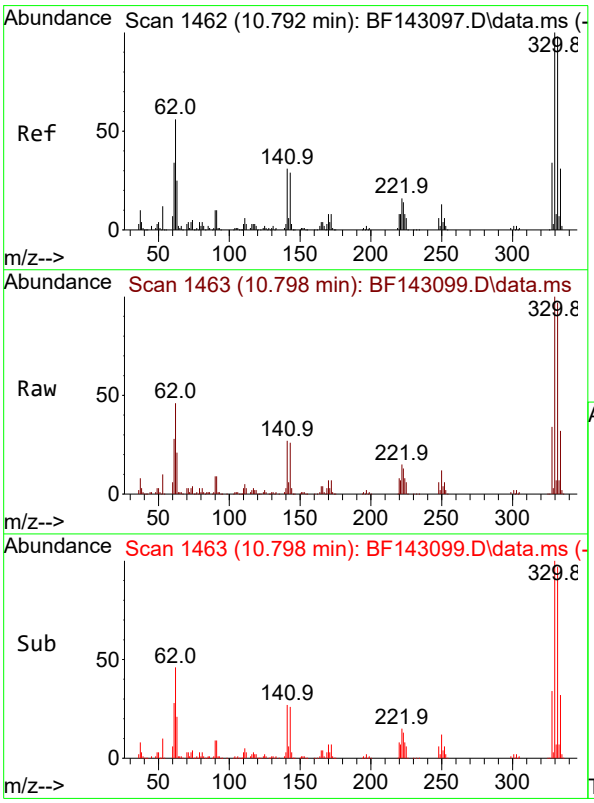
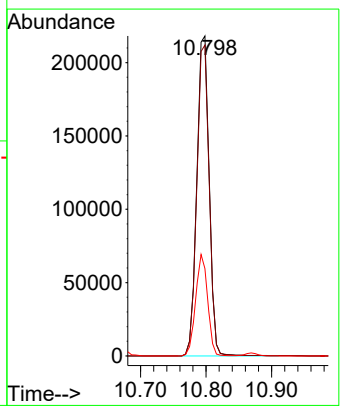
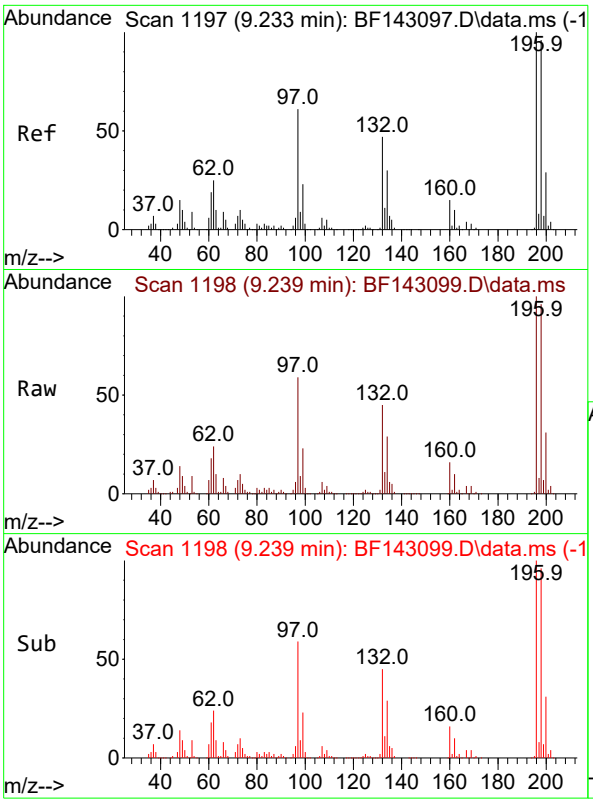



#42
2,4,6-Tribromophenol
Concen: 130.765 ng
RT: 10.798 min Scan# 1463
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:330 Resp: 286830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.0 | 77.9 | 116.9 |
| 141 | 30.8 | 25.9 | 38.9 |

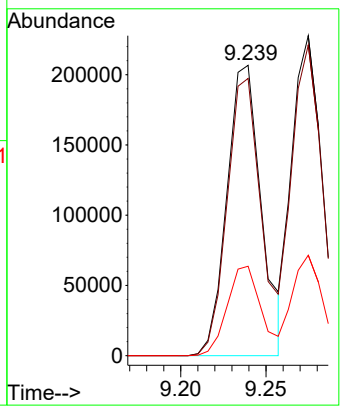





#43
2,4,6-Trichlorophenol
Concen: 65.157 ng
RT: 9.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:196 Resp: 29024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.5 | 76.9 | 115.3 |
| 200 | 30.8 | 23.5 | 35.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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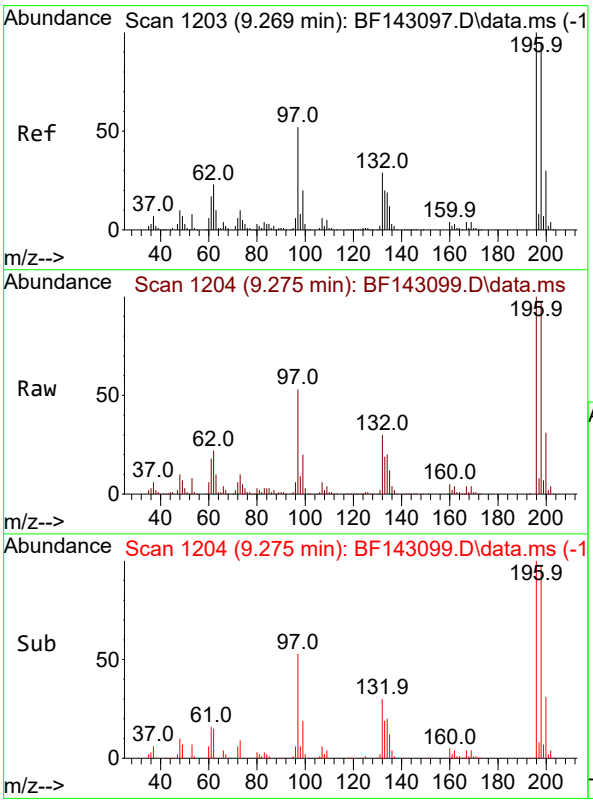
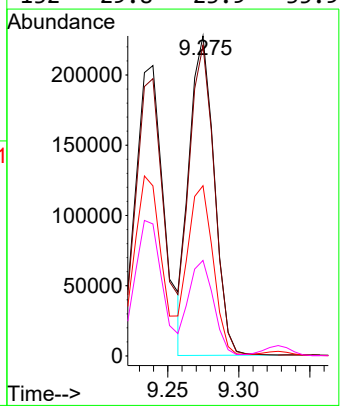
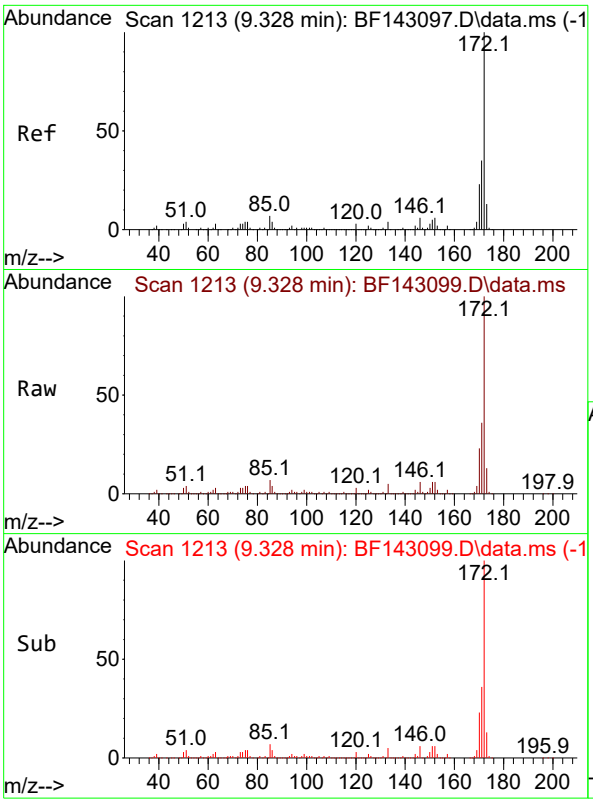



#44
2,4,5-Trichlorophenol
Concen: 59.502 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:196 Resp: 277922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 97.1 | 76.4 | 114.6 |
| 97 | 53.2 | 42.4 | 63.6 |
| 132 | 29.8 | 23.9 | 35.9 |

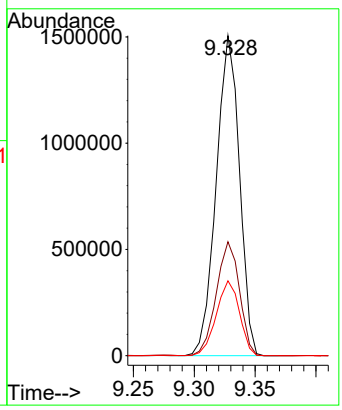





#45
2-Fluorobiphenyl
Concen: 108.050 ng
RT: 9.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:172 Resp: 199961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.6 | 28.2 | 42.4 |
| 170 | 23.4 | 18.6 | 28.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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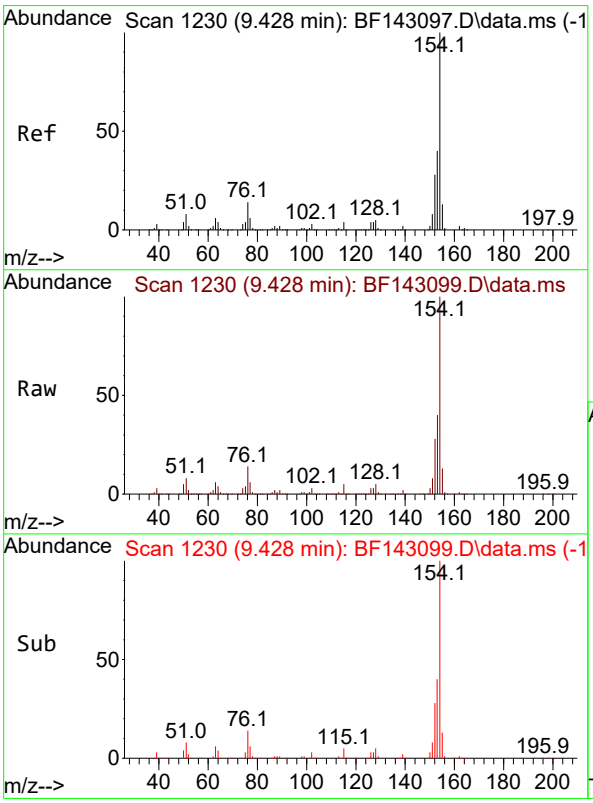
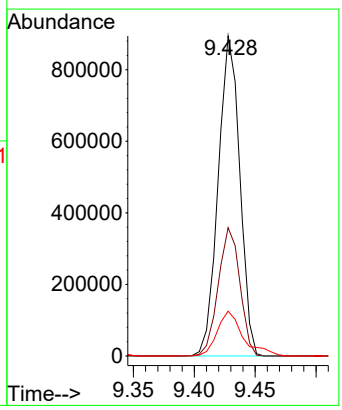
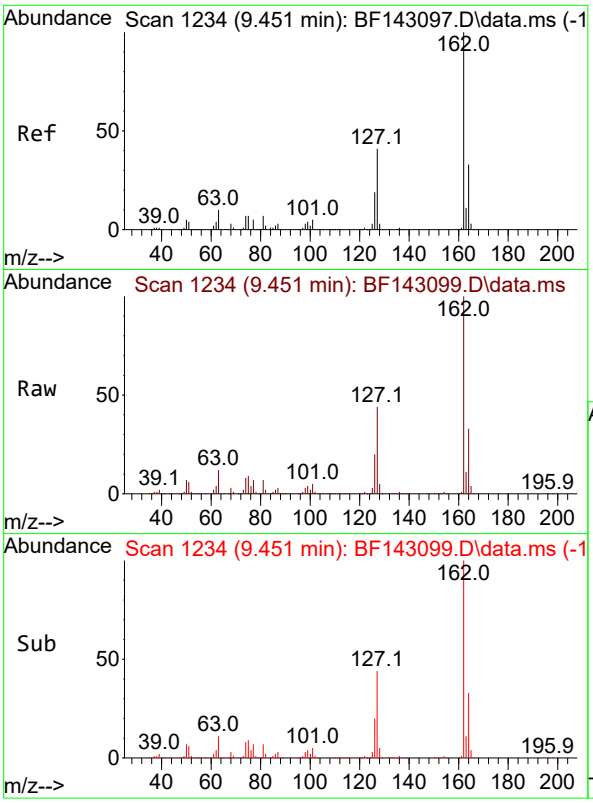



#46
1,1'-Biphenyl
Concen: 56.274 ng
RT: 9.428 min Scan# 1230
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:154 Resp: 1103990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.1 | 20.1 | 60.1 |
| 76 | 14.0 | 0.0 | 33.7 |

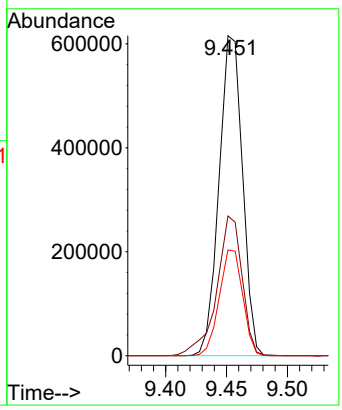





#47
2-Chloronaphthalene
Concen: 57.350 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:162 Resp: 82652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.7 | 33.0 | 49.6 |
| 164 | 33.0 | 26.1 | 39.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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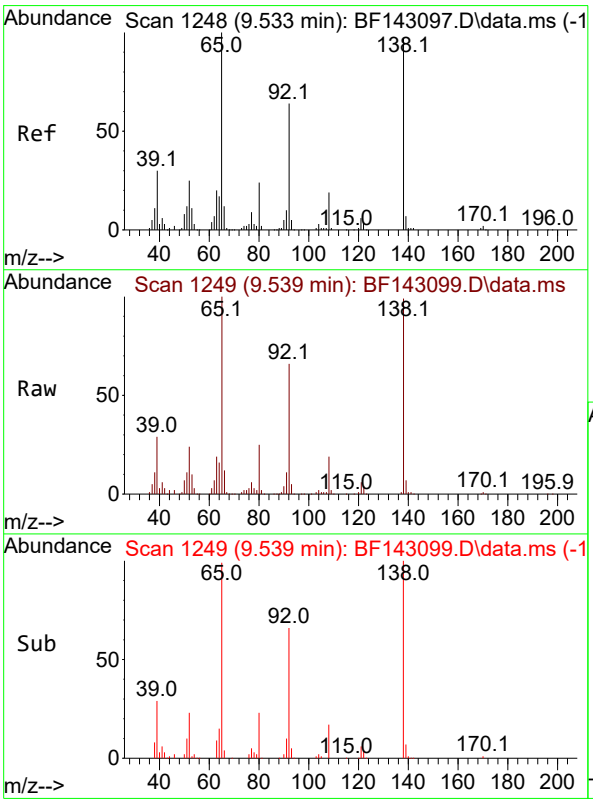
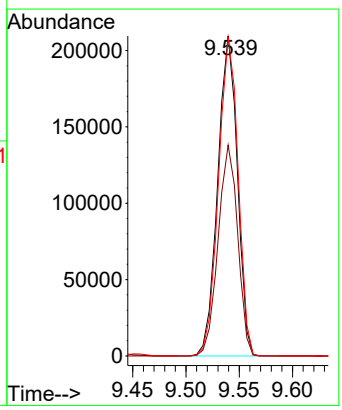
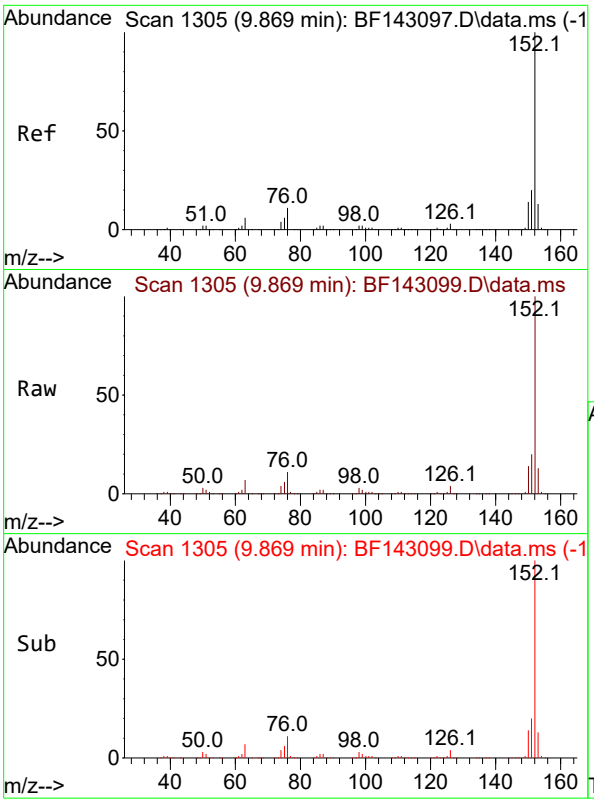



#48
2-Nitroaniline
Concen: 61.259 ng
RT: 9.539 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 65 Resp: 267636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 65.9 | 51.3 | 76.9 |
| 138 | 99.5 | 77.8 | 116.6 |

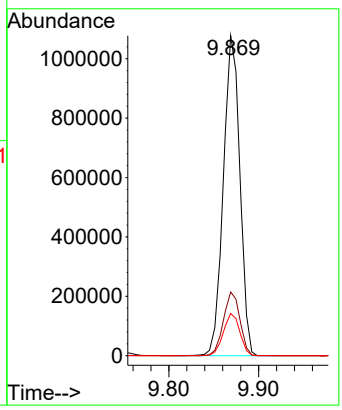





#49
Acenaphthylene
Concen: 57.388 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:152 Resp: 137819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.9 | 15.8 | 23.8 |
| 153 | 13.2 | 10.4 | 15.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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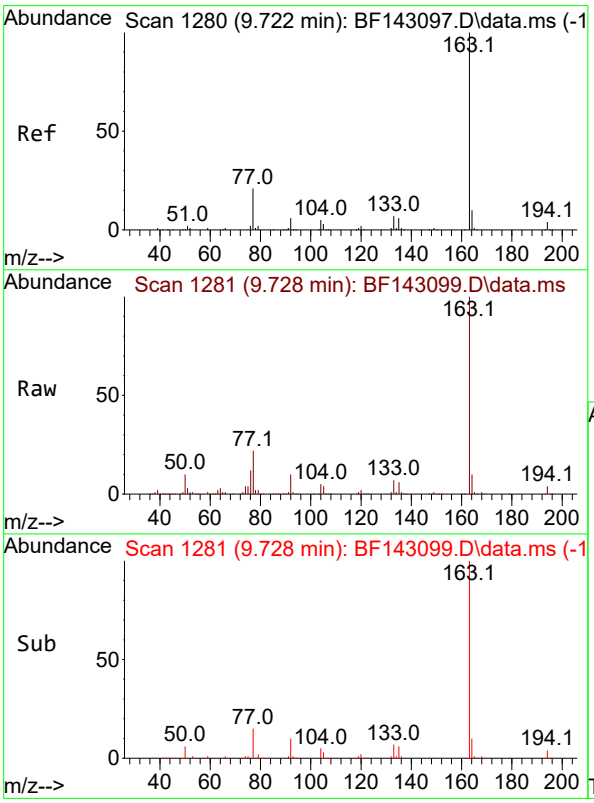
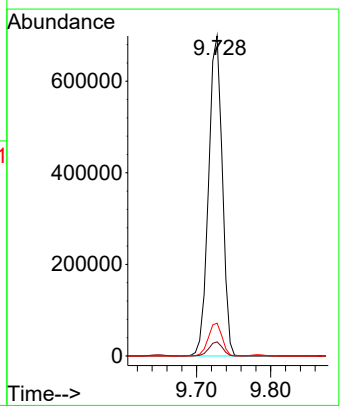
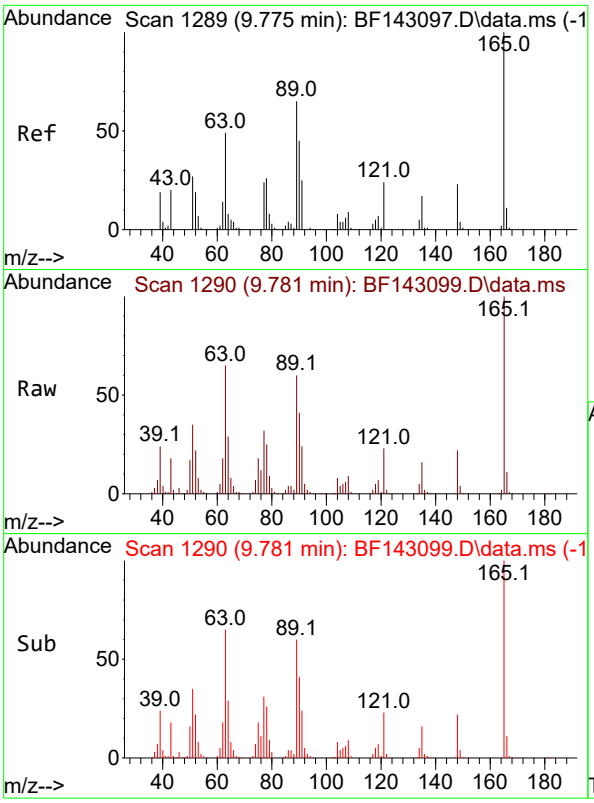



#50
Dimethylphthalate
Concen: 58.118 ng
RT: 9.728 min Scan# 1281
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:163 Resp: 899456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.4 | 3.4 | 5.2 |
| 164 | 10.3 | 8.2 | 12.2 |






#51
2,6-Dinitrotoluene
Concen: 62.287 ng
RT: 9.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:165 Resp: 19318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 65.2 | 57.4 | 86.0 |
| 89 | 59.9 | 51.8 | 77.8 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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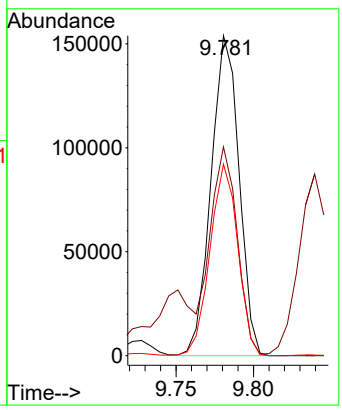
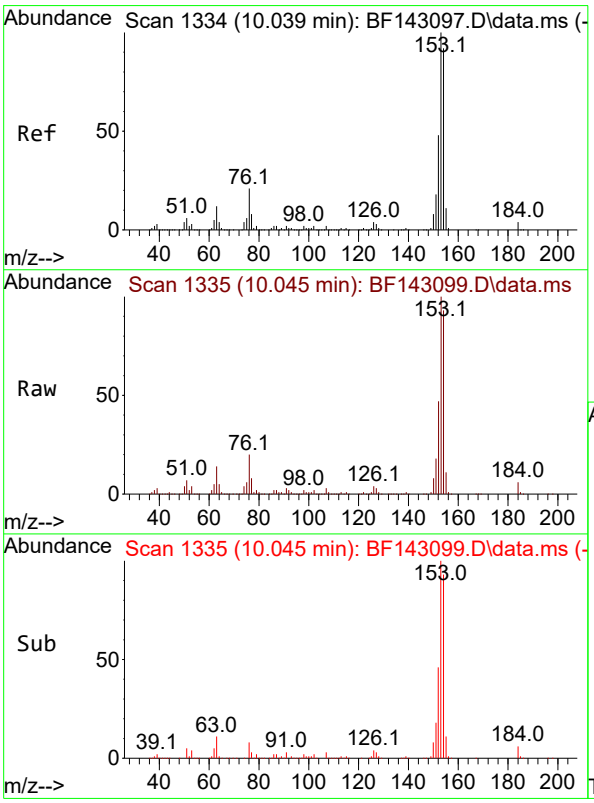
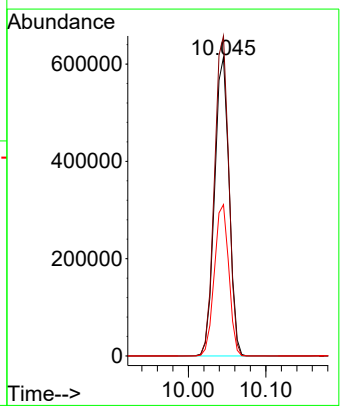


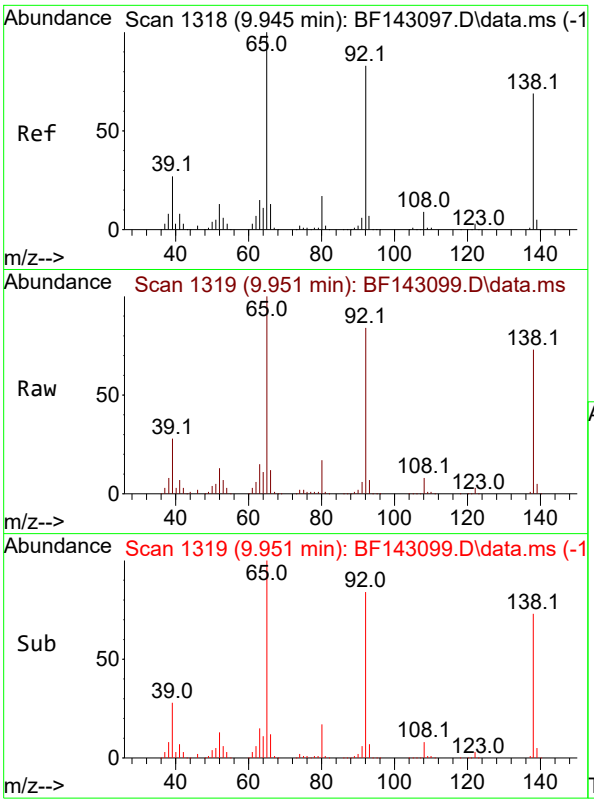




#52
Acenaphthene
Concen: 56.633 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:154 Resp: 802583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 107.1 | 86.7 | 130.1 |
| 152 | 50.6 | 41.4 | 62.2 |

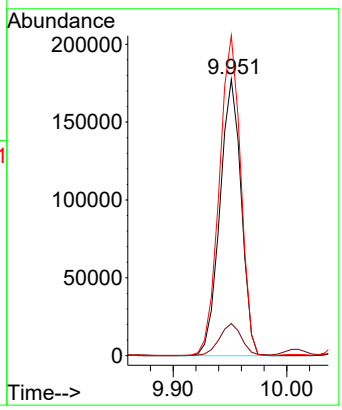





#53
3-Nitroaniline
Concen: 69.008 ng
RT: 9.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:138 Resp: 23077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.6 | 10.1 | 15.1 |
| 92 | 115.8 | 96.4 | 144.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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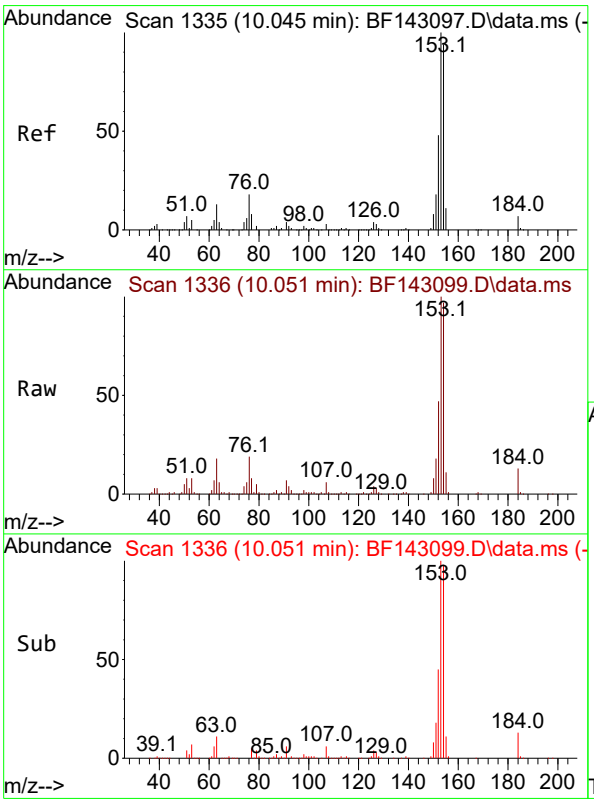
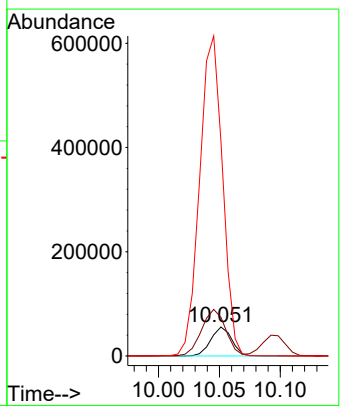
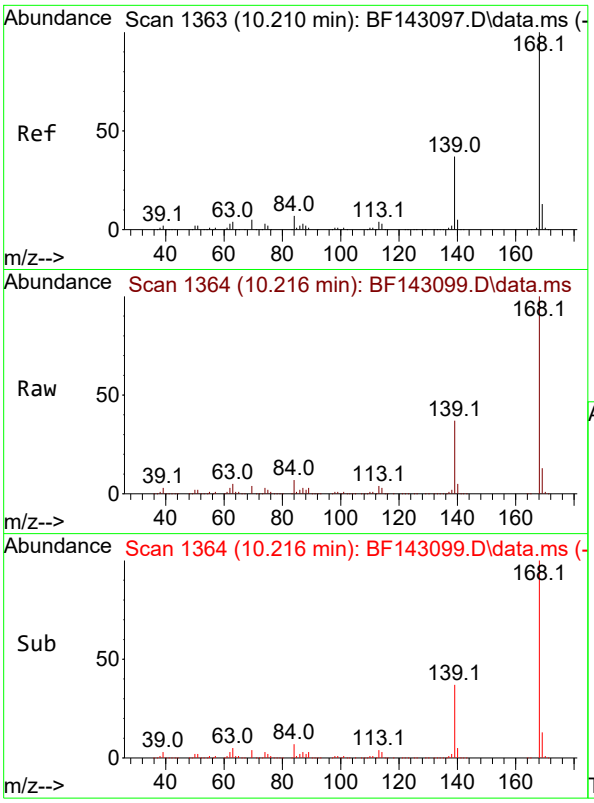



#54
2,4-Dinitrophenol
Concen: 61.314 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:184 Resp: 66479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 133.6 | 149.3 | 223.9# |
| 154 | 743.3 | 1048.0 | 1572.0# |

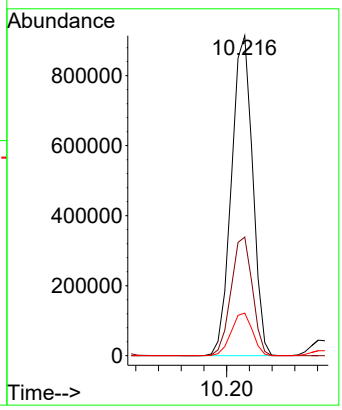





#55
Dibenzofuran
Concen: 56.052 ng
RT: 10.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:168 Resp: 118400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.1 | 29.8 | 44.6 |
| 169 | 13.3 | 10.8 | 16.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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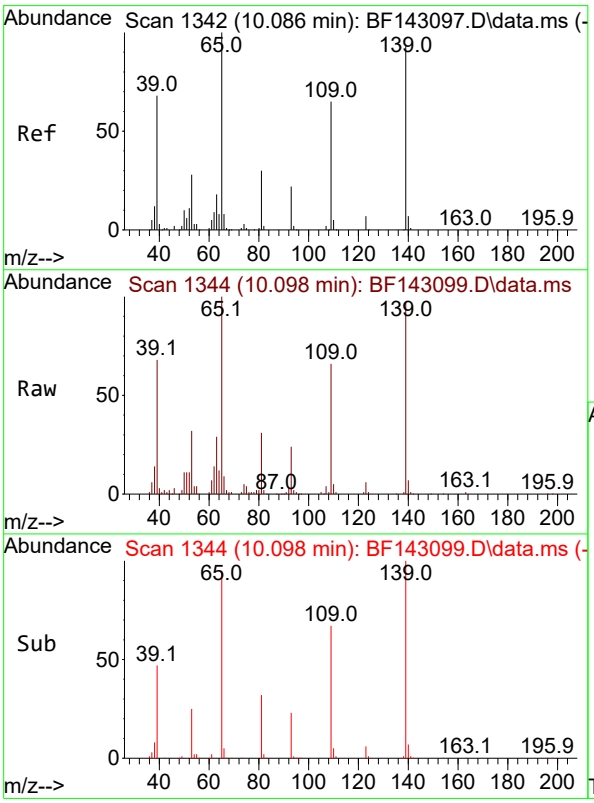
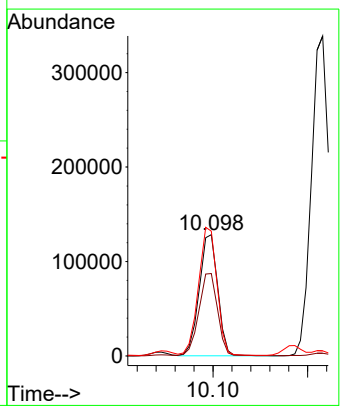
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

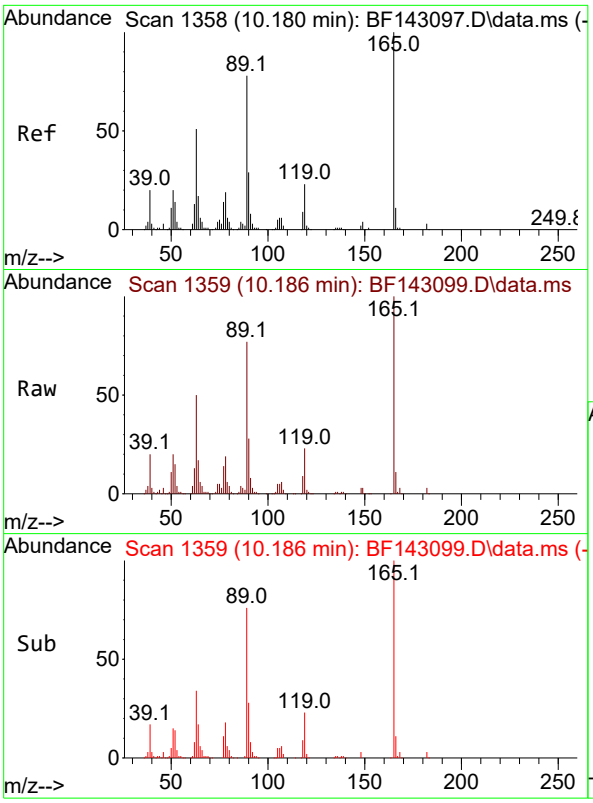



#56
4-Nitrophenol
Concen: 65.716 ng
RT: 10.098 min Scan# 1344
Delta R.T. 0.012 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:139 Resp: 174657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 67.9 | 49.4 | 89.4 |
| 65 | 102.8 | 88.2 | 128.2 |

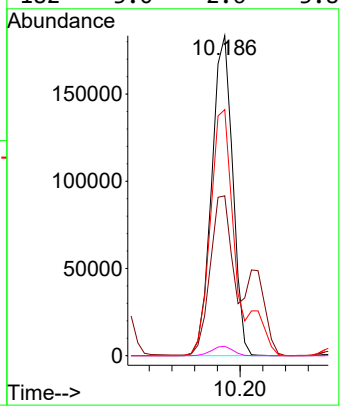





#57
2,4-Dinitrotoluene
Concen: 60.695 ng
RT: 10.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:165 Resp: 23548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 49.9 | 40.6 | 61.0 |
| 89 | 76.9 | 62.3 | 93.5 |
| 182 | 3.0 | 2.6 | 3.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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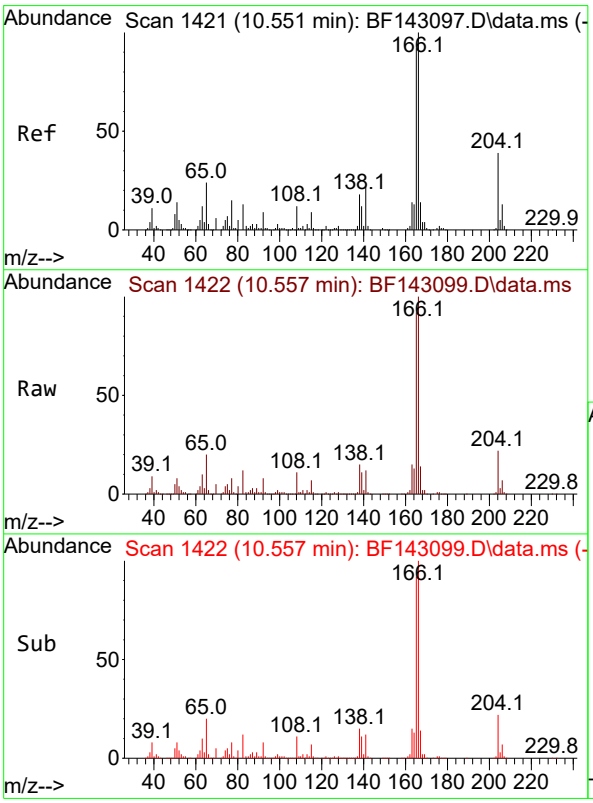
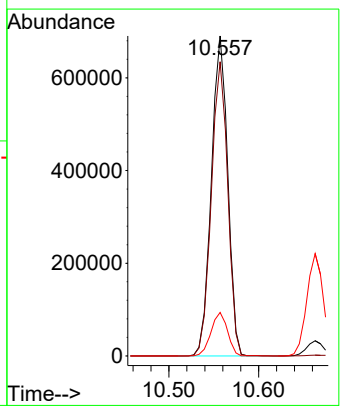
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

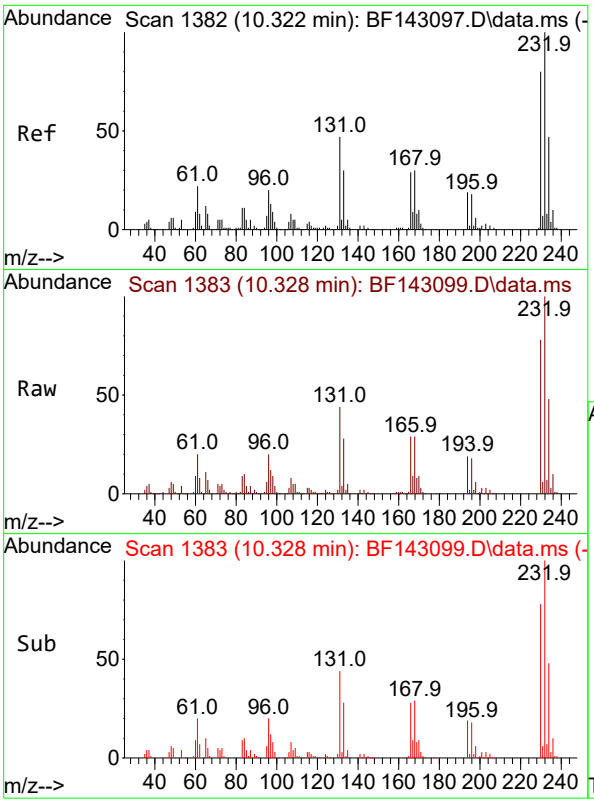



#58
Fluorene
Concen: 55.265 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:166 Resp: 875218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 91.9 | 73.7 | 110.5 |
| 167 | 13.6 | 10.9 | 16.3 |

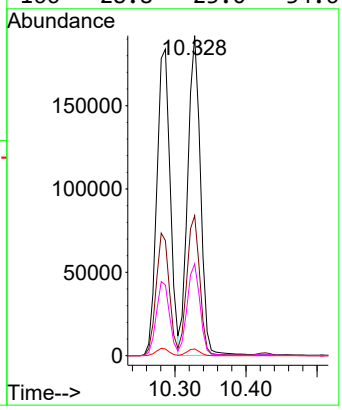





#59
2,3,4,6-Tetrachlorophenol
Concen: 64.235 ng
RT: 10.328 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:232 Resp: 23842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 43.9 | 36.9 | 55.3 |
| 130 | 2.1 | 1.8 | 2.8 |
| 166 | 28.8 | 23.0 | 34.6 |




**Instrument :**
BNA_F
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SSTDICC060

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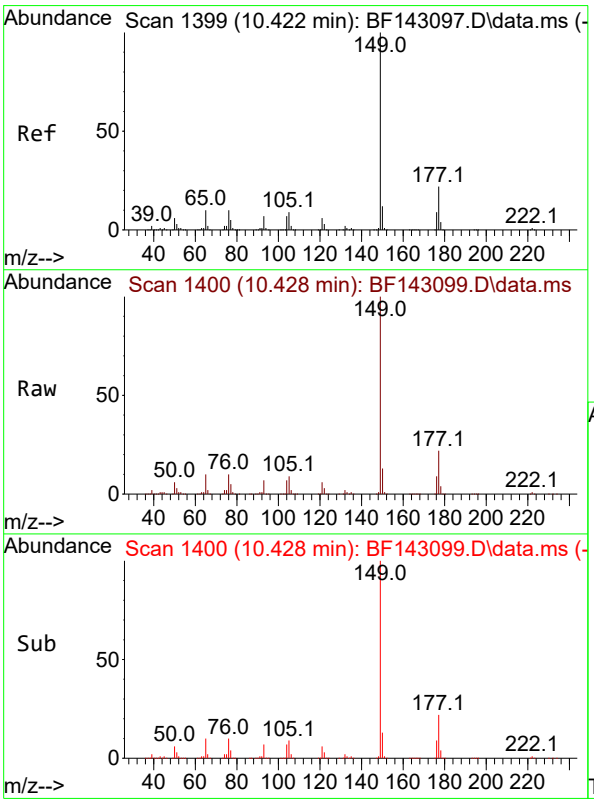
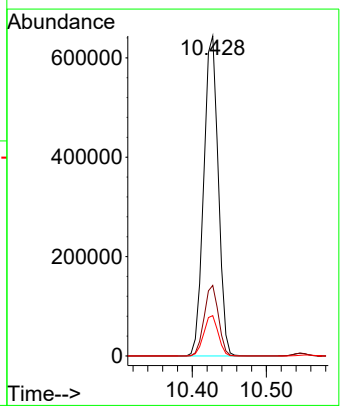
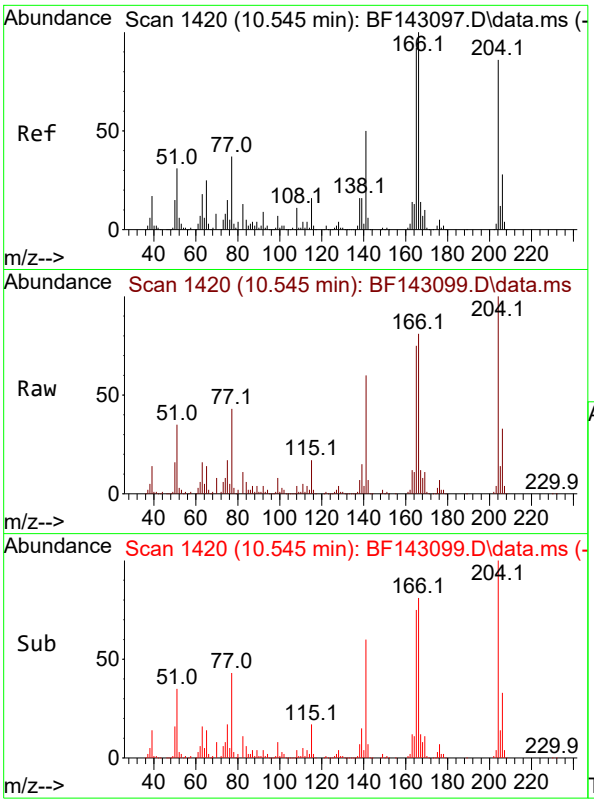



#60
Diethylphthalate
Concen: 58.672 ng
RT: 10.428 min Scan# 1400
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:149 Resp: 876047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.1 | 17.3 | 25.9 |
| 150 | 12.6 | 9.9 | 14.9 |






#61
4-Chlorophenyl-phenylether
Concen: 57.000 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:204 Resp: 43265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.5 | 25.8 | 38.6 |
| 141 | 59.9 | 46.8 | 70.2 |

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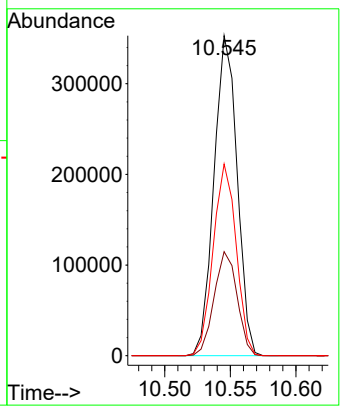
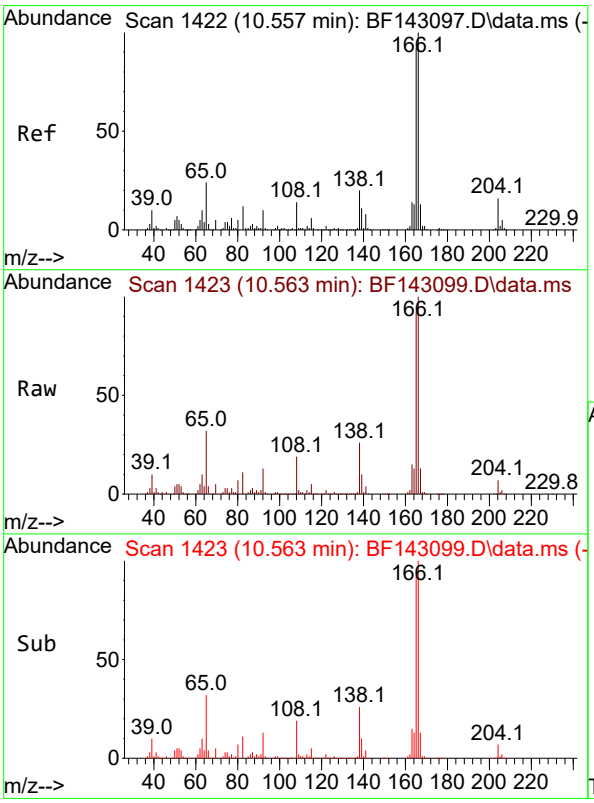
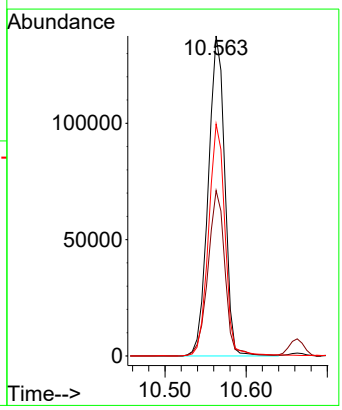


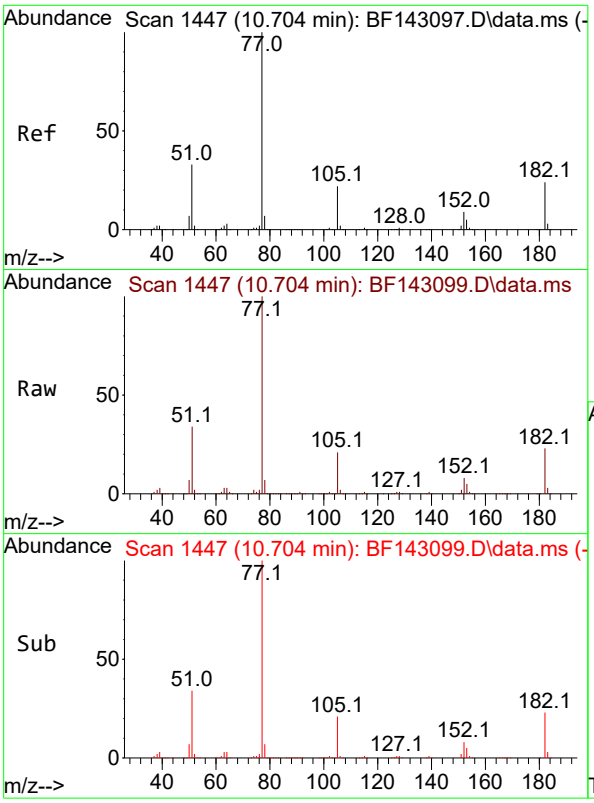




#62
4-Nitroaniline
Concen: 66.802 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:138 Resp: 194271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 51.7 | 30.4 | 70.4 |
| 108 | 72.5 | 49.5 | 89.5 |

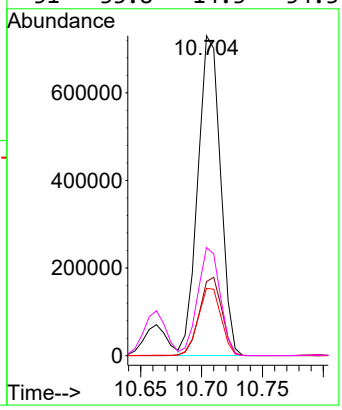





#63
Azobenzene
Concen: 57.300 ng
RT: 10.704 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 77 Resp: 94620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 23.2 | 4.0 | 44.0 |
| 105 | 21.1 | 1.4 | 41.4 |
| 51 | 33.8 | 14.3 | 54.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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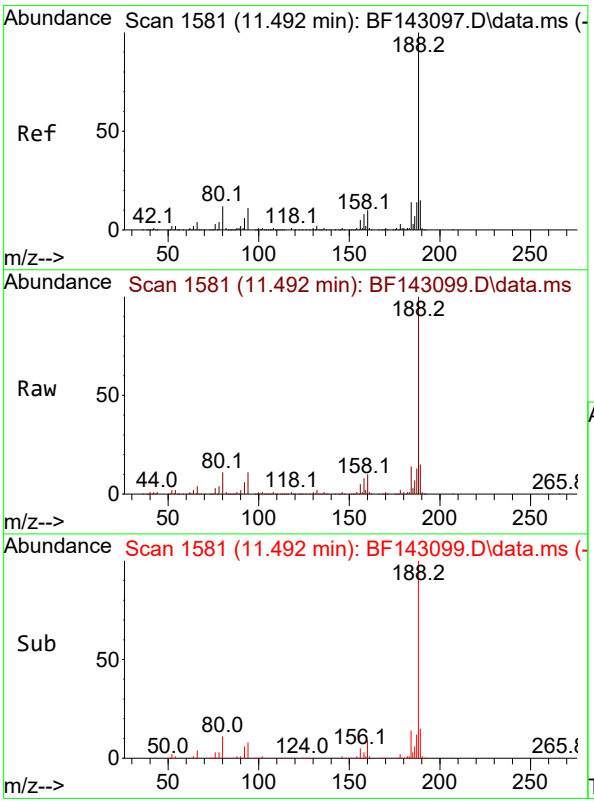
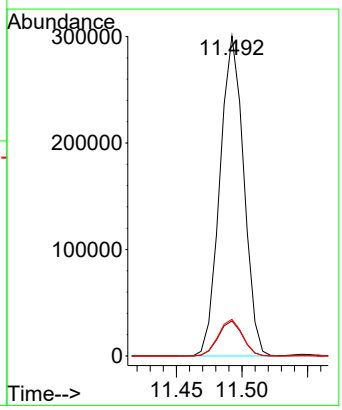
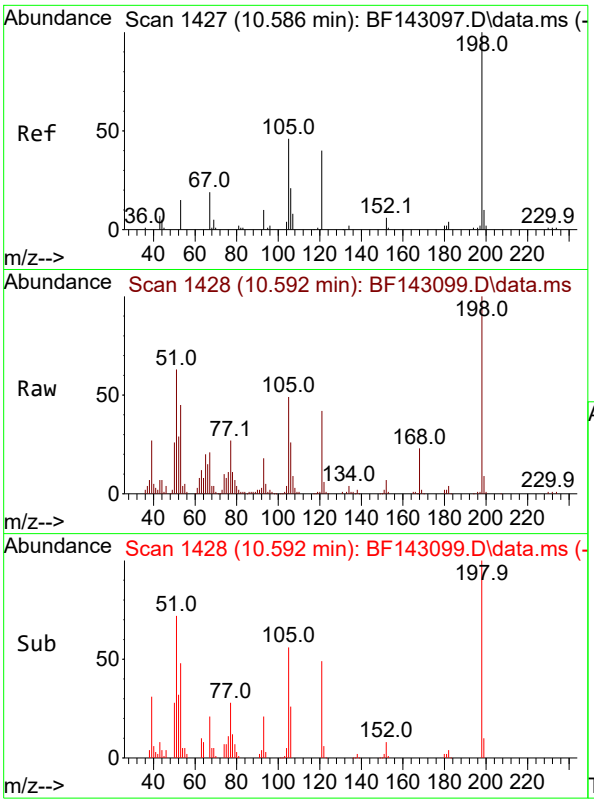



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:188 Resp: 380313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.9 | 8.6 | 13.0 |
| 80 | 11.4 | 9.3 | 13.9 |






#65
4,6-Dinitro-2-methylphenol
Concen: 62.285 ng
RT: 10.592 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:198 Resp: 9630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 62.6 | 44.6 | 84.6 |
| 105 | 48.6 | 29.3 | 69.3 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations APPROVED**

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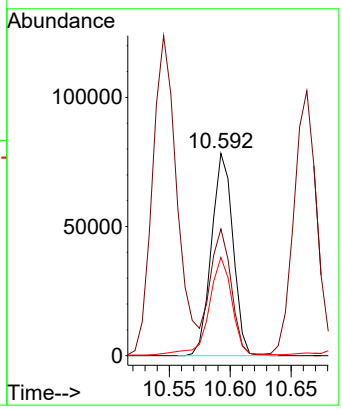
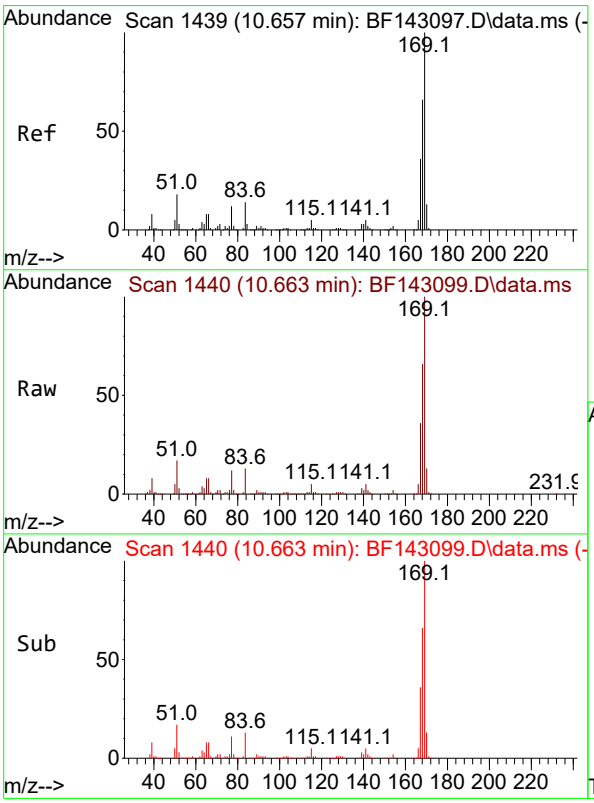
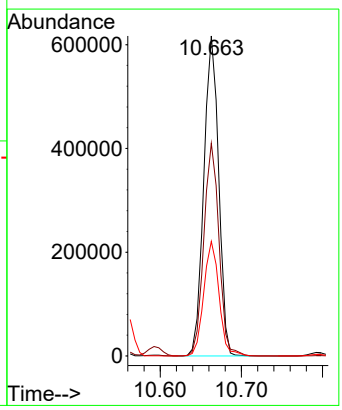


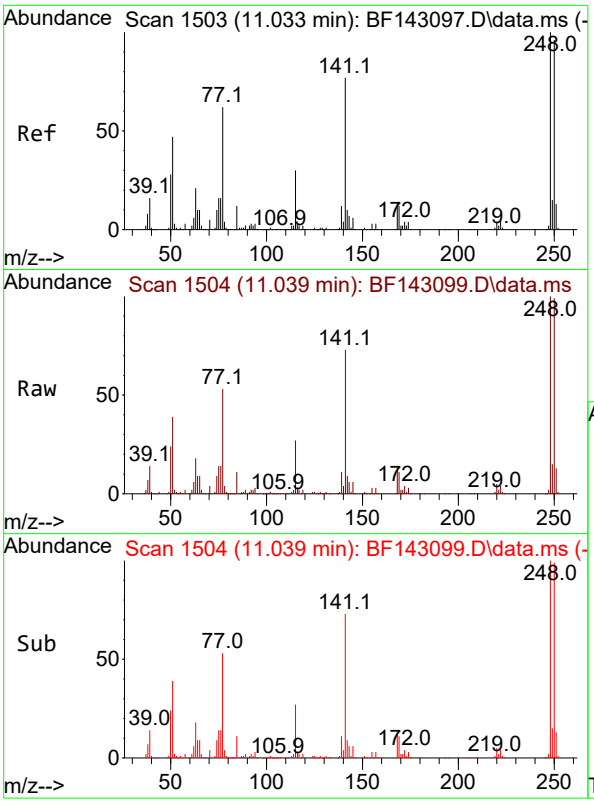




#66
n-Nitrosodiphenylamine
Concen: 58.469 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:169 Resp: 781087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.5 | 53.0 | 79.6 |
| 167 | 35.8 | 28.4 | 42.6 |

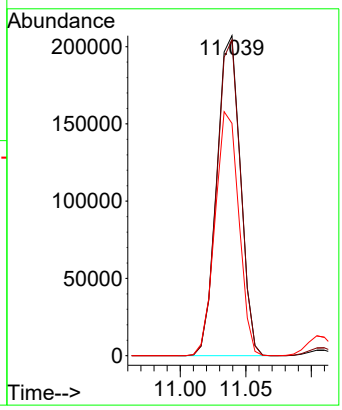





#67
4-Bromophenyl-phenylether
Concen: 60.229 ng
RT: 11.039 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:248 Resp: 26049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.7 | 76.7 | 115.1 |
| 141 | 72.6 | 61.7 | 92.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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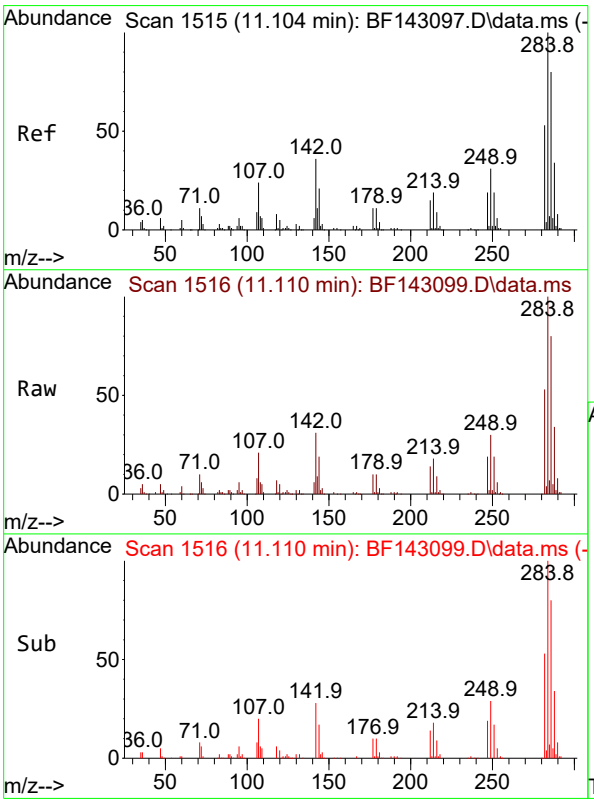
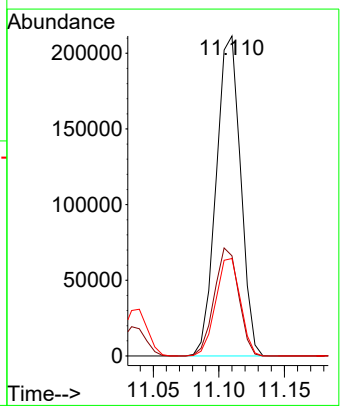
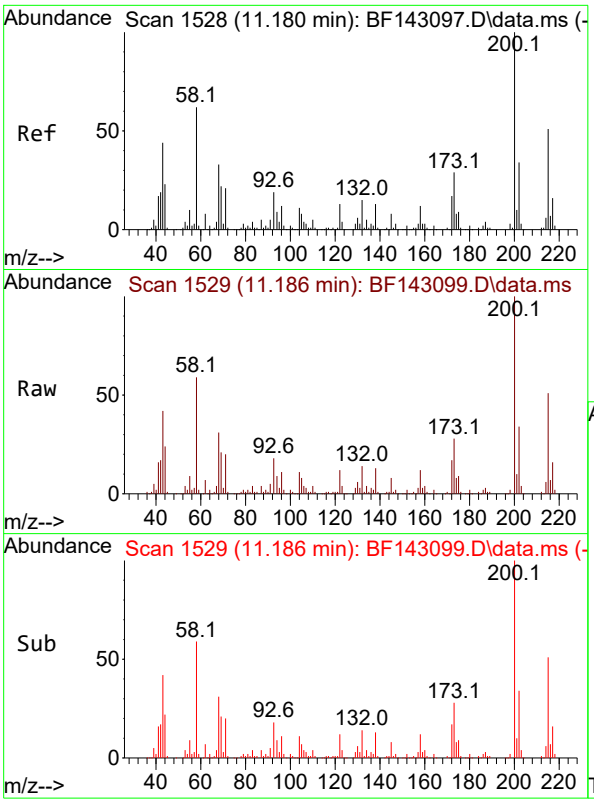



#68
Hexachlorobenzene
Concen: 59.515 ng
RT: 11.110 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:284 Resp: 273112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.3 | 28.9 | 43.3 |
| 249 | 30.5 | 24.6 | 37.0 |

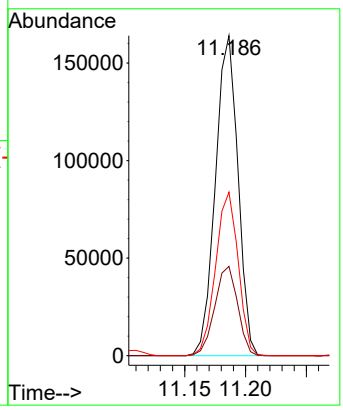





#69
Atrazine
Concen: 61.838 ng
RT: 11.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:200 Resp: 21135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.9 | 9.1 | 49.1 |
| 215 | 51.1 | 31.0 | 71.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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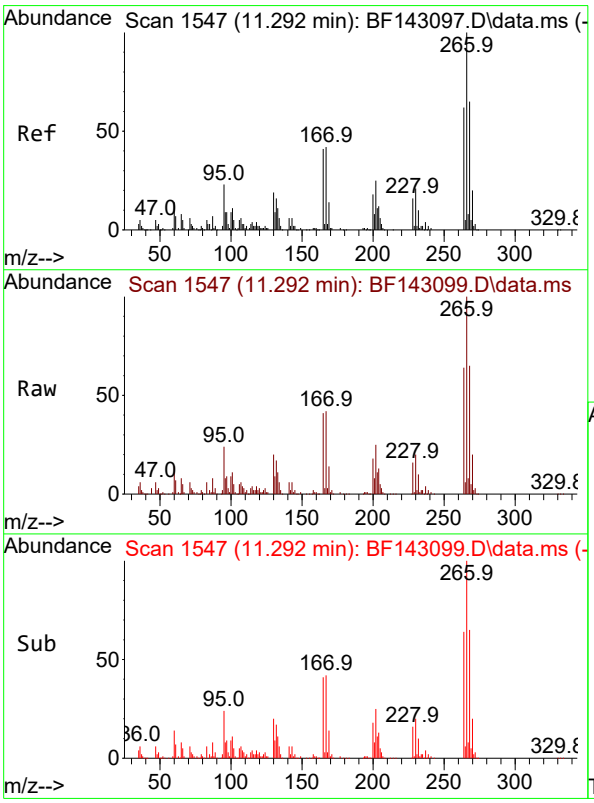
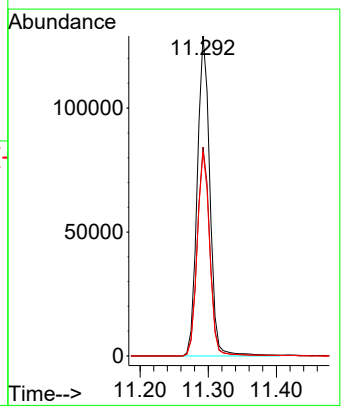
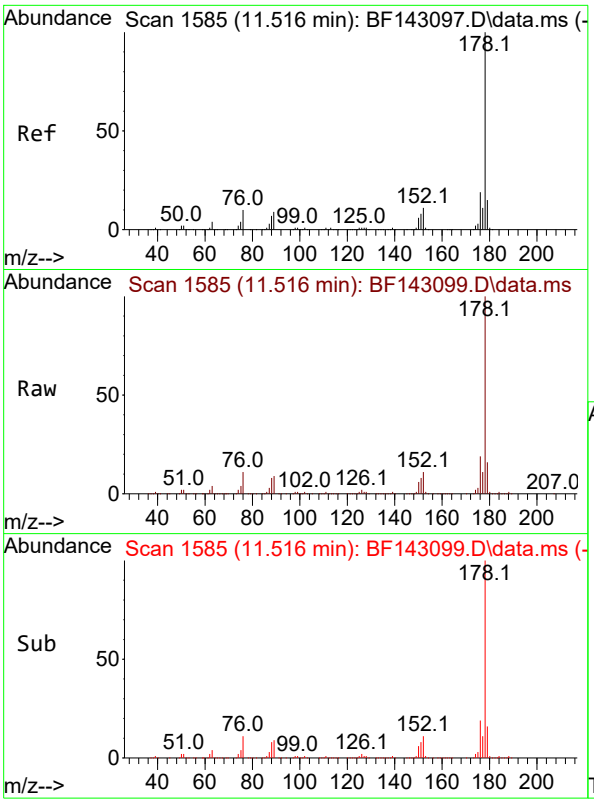



#70
Pentachlorophenol
Concen: 65.805 ng
RT: 11.292 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:266 Resp: 165676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 65.2 | 51.8 | 77.6 |
| 264 | 63.7 | 49.7 | 74.5 |

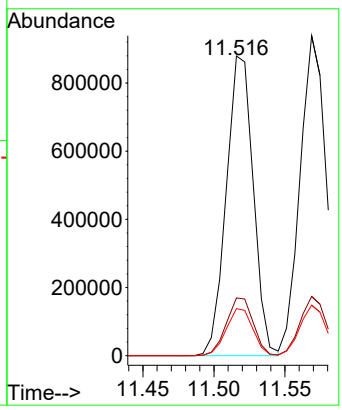





#71
Phenanthrene
Concen: 56.762 ng
RT: 11.516 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:178 Resp: 116504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.1 | 22.7 |
| 179 | 15.7 | 12.2 | 18.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations APPROVED**

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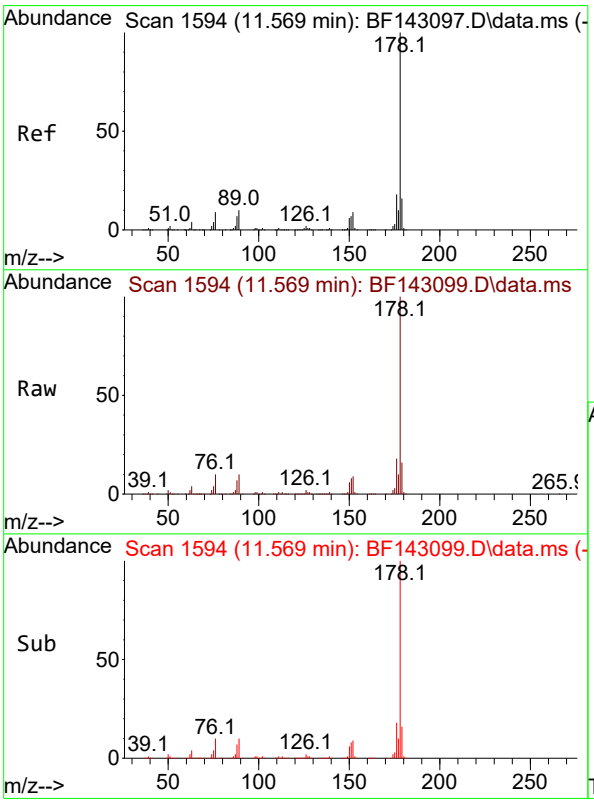
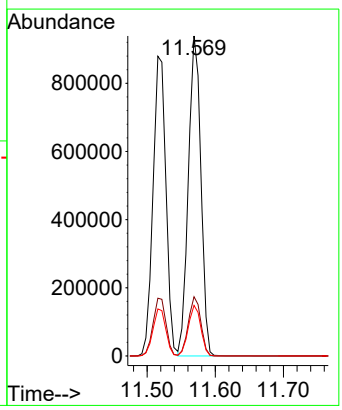
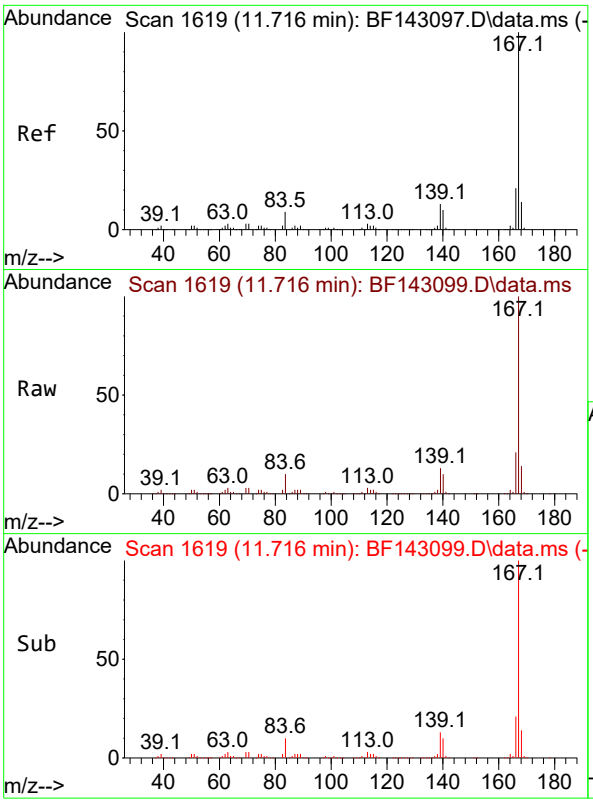



#72
Anthracene
Concen: 57.589 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:178 Resp: 1188635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 14.7 | 22.1 |
| 179 | 15.8 | 12.4 | 18.6 |

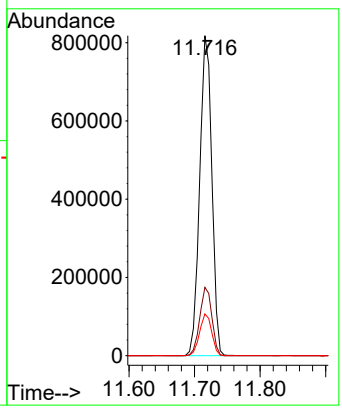





#73
Carbazole
Concen: 57.179 ng
RT: 11.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:167 Resp: 105729

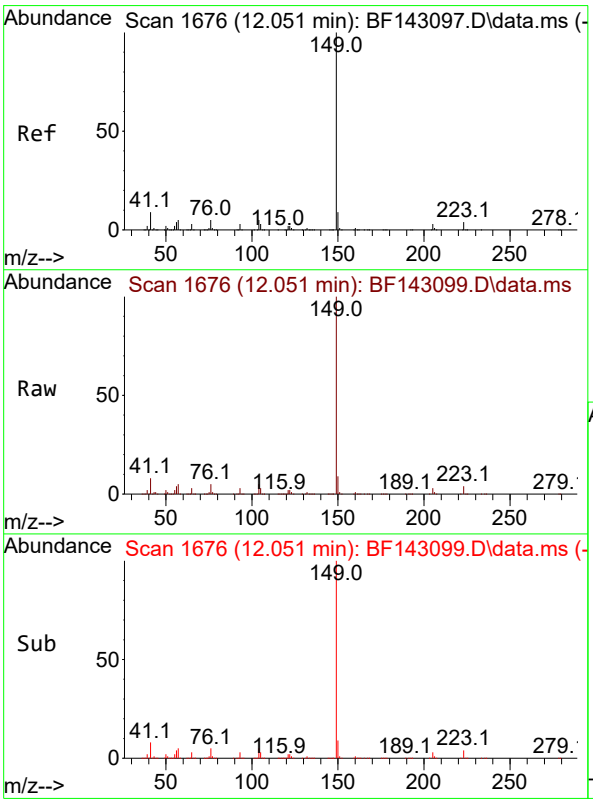
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.4 | 17.0 | 25.4 |
| 139 | 13.1 | 10.2 | 15.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
**APPROVED**

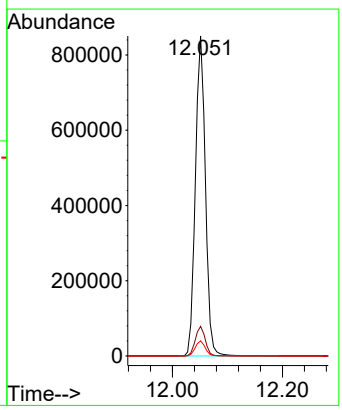
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

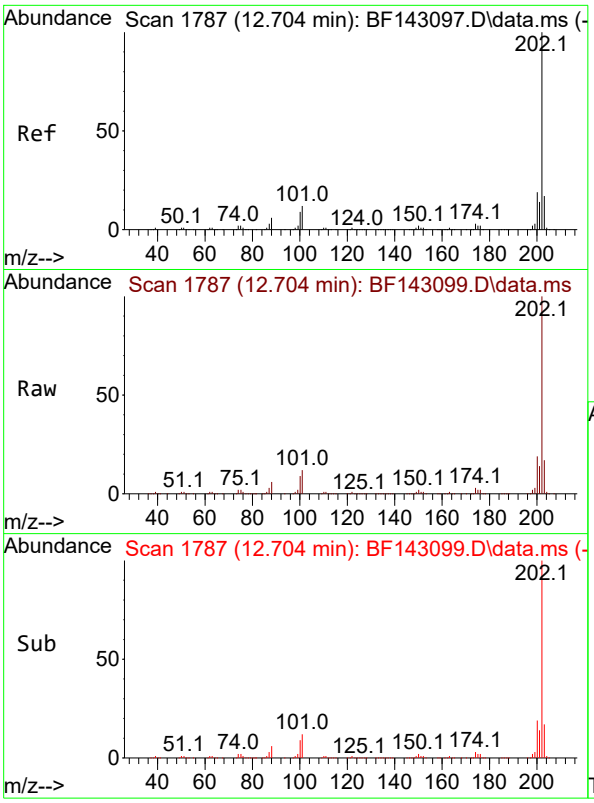



#74
Di-n-butylphthalate
Concen: 63.291 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:149 Resp: 1074246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.3 | 10.9 |
| 104 | 4.7 | 3.8 | 5.8 |

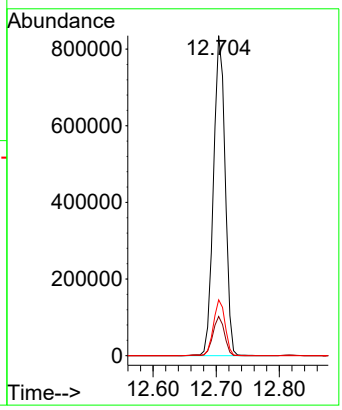





#75
Fluoranthene
Concen: 57.328 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:202 Resp: 106989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.2 | 0.0 | 32.4 |
| 203 | 17.4 | 0.0 | 37.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations APPROVED**

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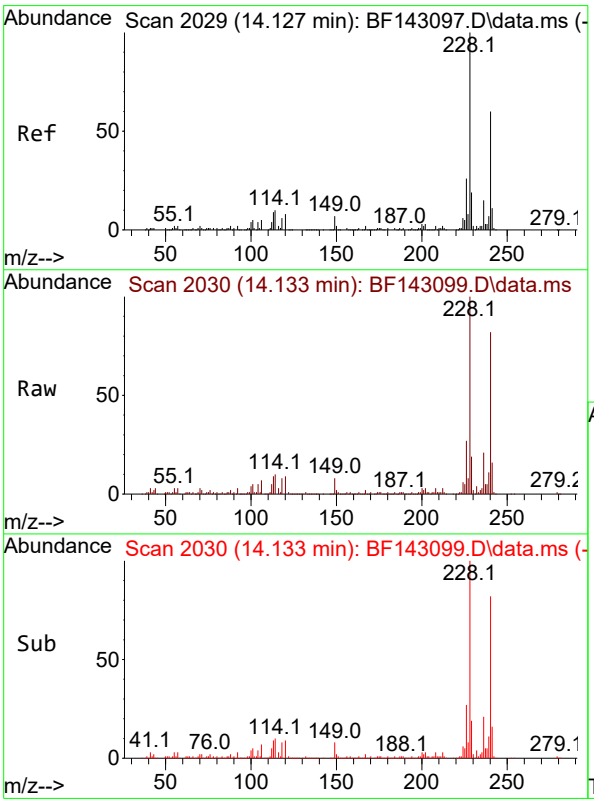
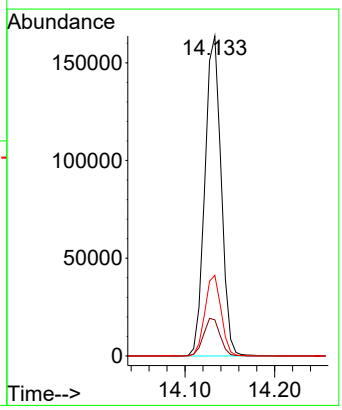
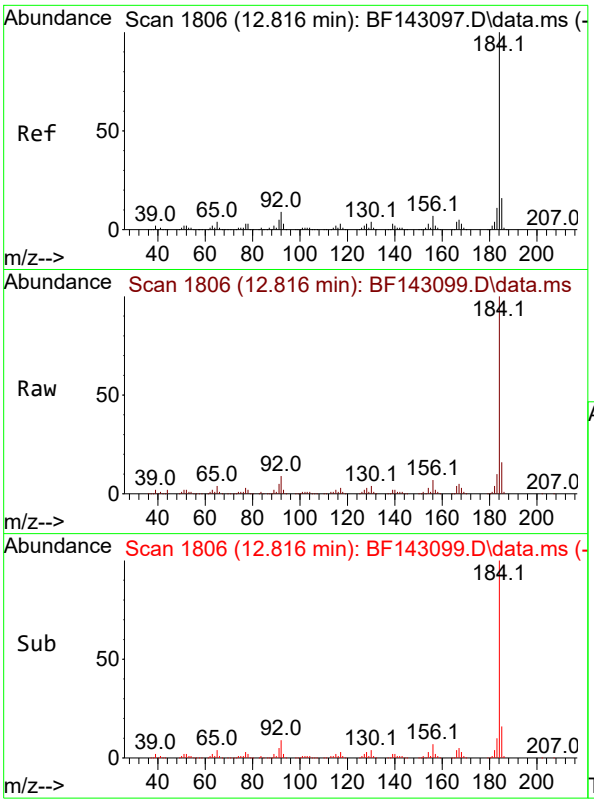



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:240 Resp: 205942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.3 | 10.0 | 15.0 |
| 236 | 25.2 | 20.0 | 30.0 |

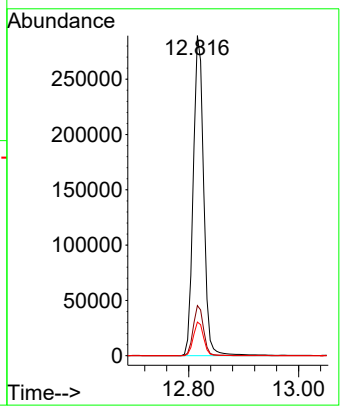





#77
Benzidine
Concen: 54.244 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:184 Resp: 38058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.6 | 12.4 | 18.6 |
| 183 | 10.5 | 8.6 | 12.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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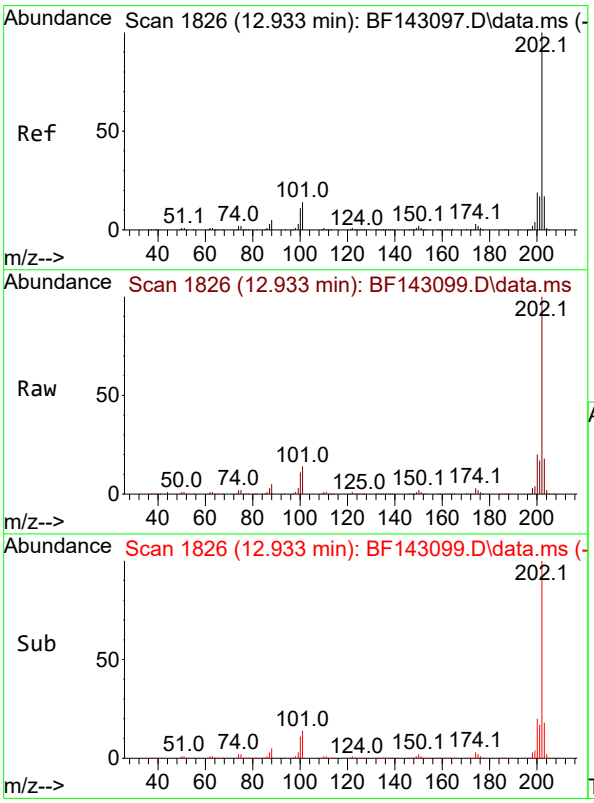
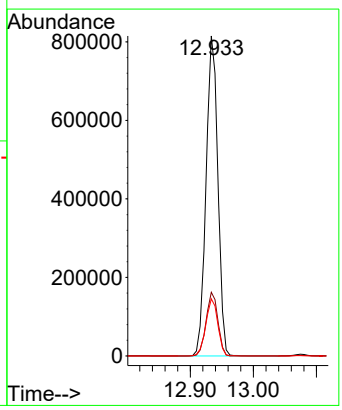
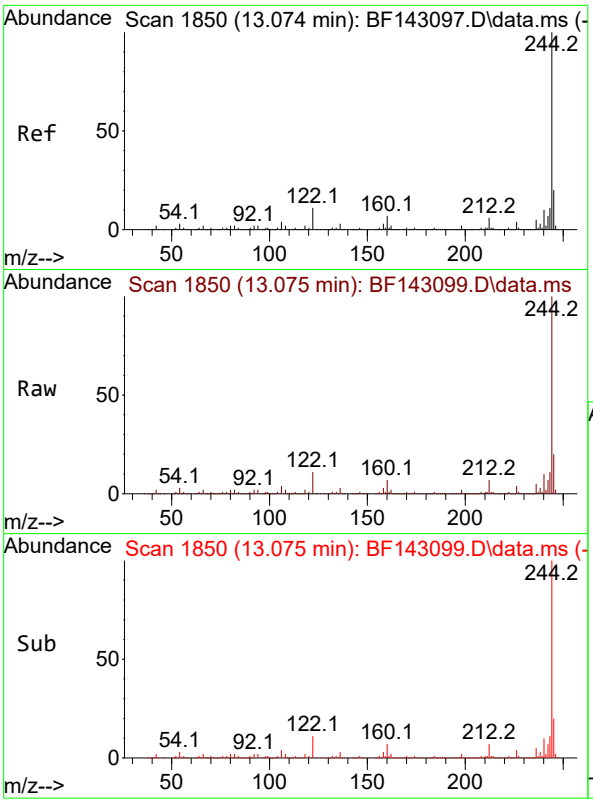



#78
Pyrene
Concen: 55.485 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:202 Resp: 1060216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.9 | 15.5 | 23.3 |
| 203 | 17.8 | 14.0 | 21.0 |

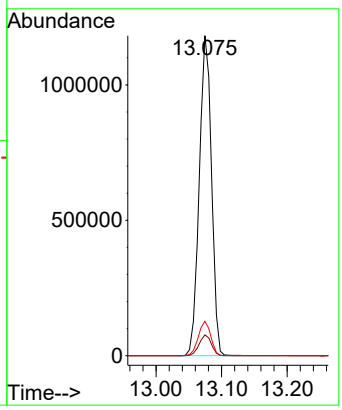





#79
Terphenyl-d14
Concen: 109.260 ng
RT: 13.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:244 Resp: 153927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.5 | 5.2 | 7.8 |
| 122 | 10.7 | 8.8 | 13.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations**
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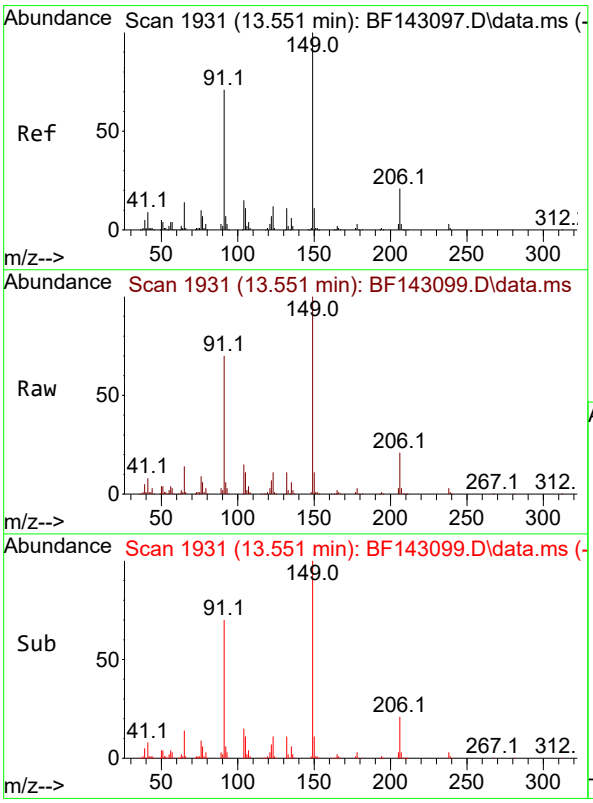
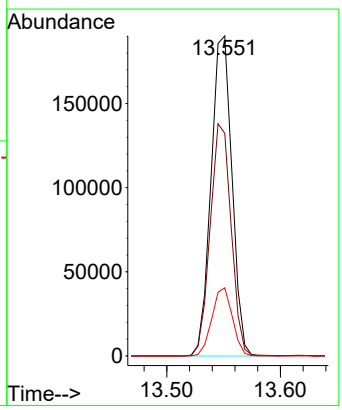
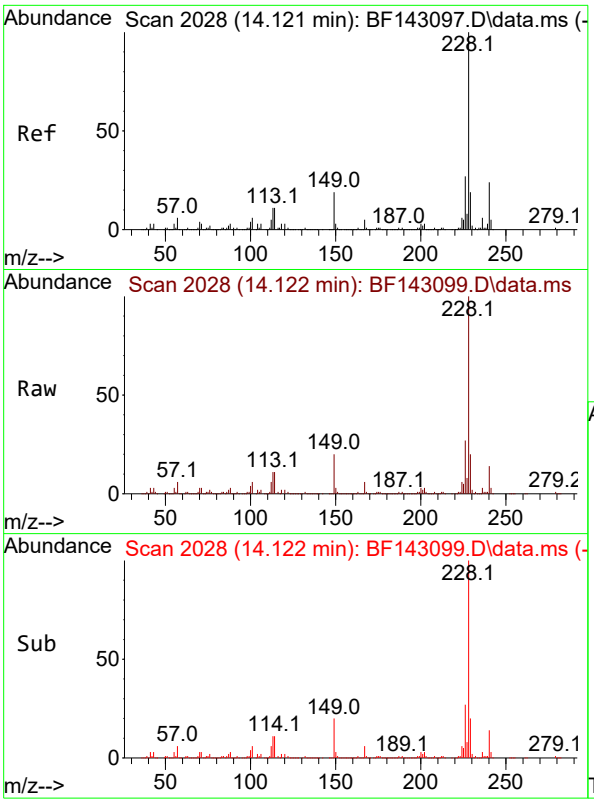



#80
Butylbenzylphthalate
Concen: 62.406 ng
RT: 13.551 min Scan# 1931
Delta R.T. -0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:149 Resp: 243805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 69.6 | 57.0 | 85.4 |
| 206 | 21.3 | 17.2 | 25.8 |

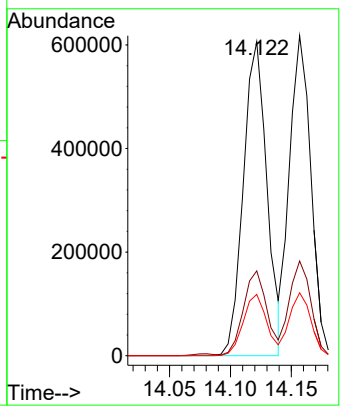





#81
Benzo(a)anthracene
Concen: 59.697 ng
RT: 14.122 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:228 Resp: 81924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.0 | 21.3 | 31.9 |
| 229 | 19.5 | 15.5 | 23.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations APPROVED**

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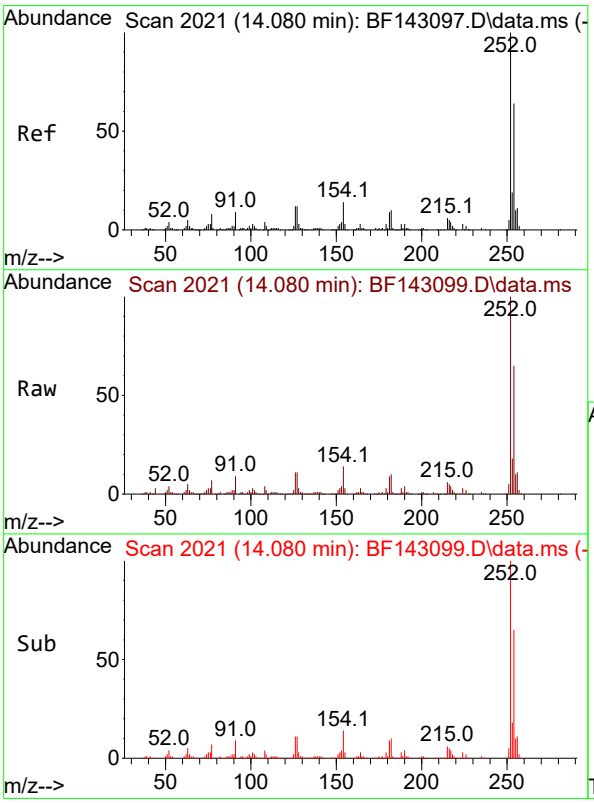
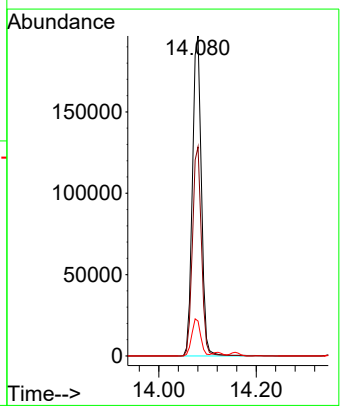
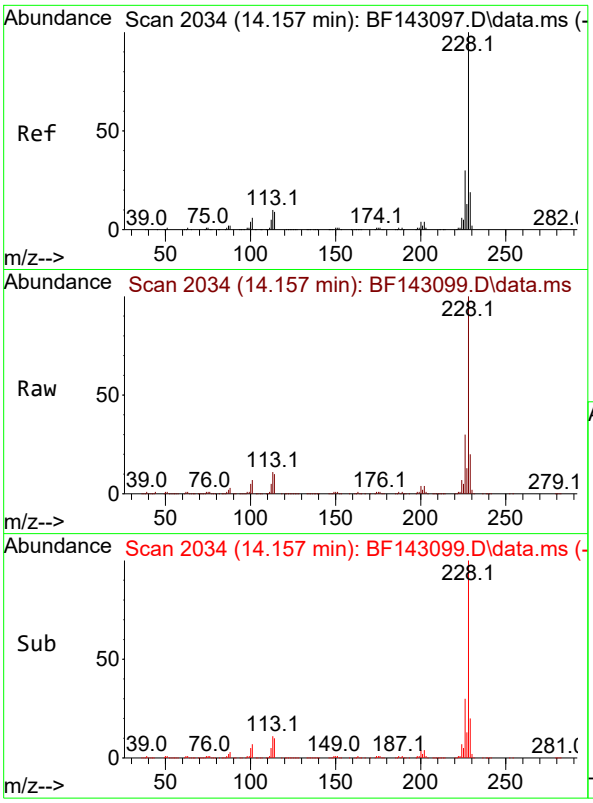



#82
3,3'-Dichlorobenzidine
Concen: 63.758 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:252 Resp: 254086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.3 | 51.5 | 77.3 |
| 126 | 10.9 | 9.4 | 14.0 |

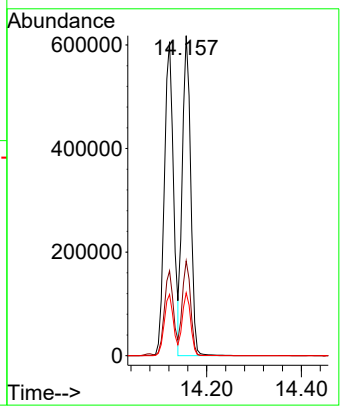





#83
Chrysene
Concen: 60.044 ng
RT: 14.157 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:228 Resp: 75891(

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.6 | 23.4 | 35.2 |
| 229 | 19.7 | 15.3 | 22.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations APPROVED**

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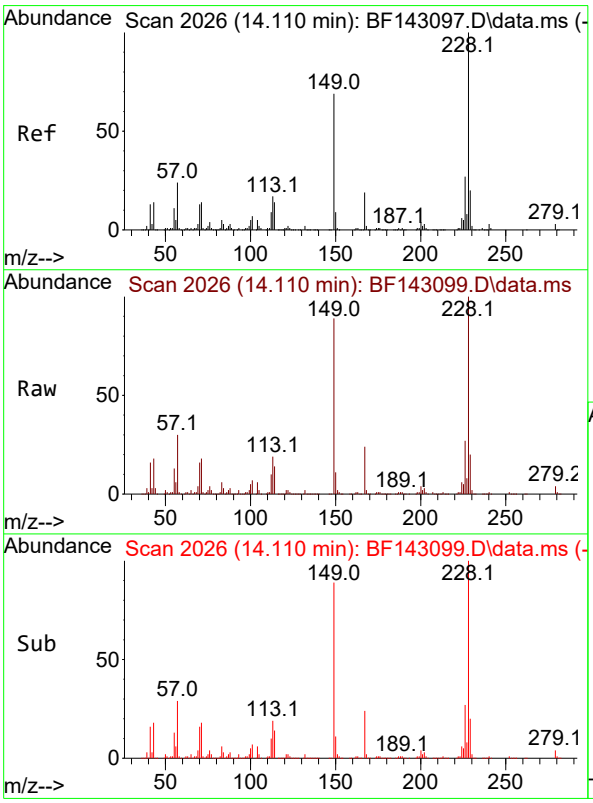
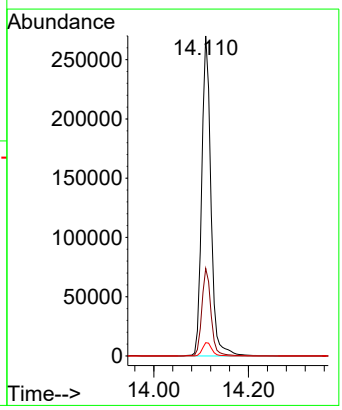
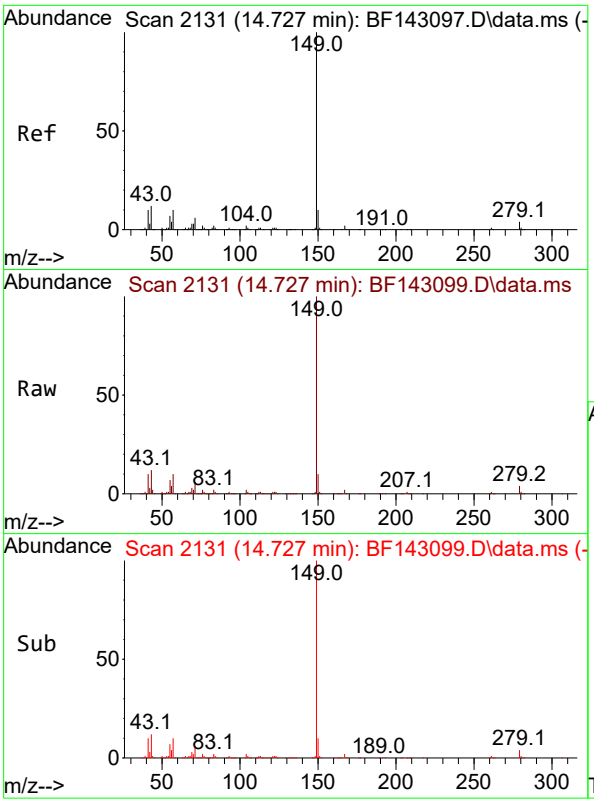



#84
Bis(2-ethylhexyl)phthalate
Concen: 61.957 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:149 Resp: 364902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.4 | 21.9 | 32.9 |
| 279 | 4.2 | 3.4 | 5.0 |






#85
Di-n-octyl phthalate
Concen: 60.817 ng
RT: 14.727 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:149 Resp: 68894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.2 | 1.8 |
| 43 | 12.4 | 10.6 | 16.0 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

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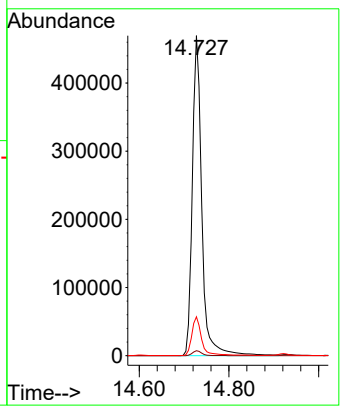
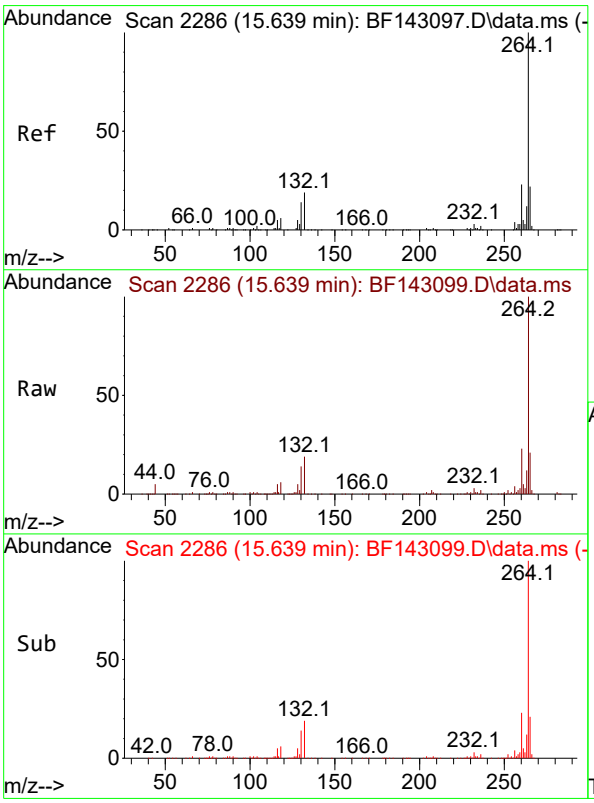
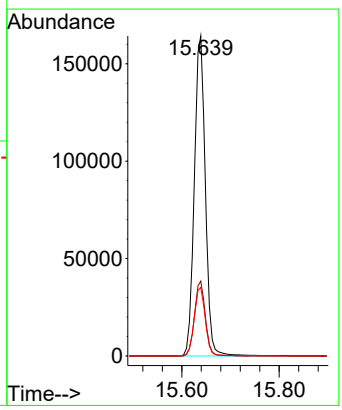


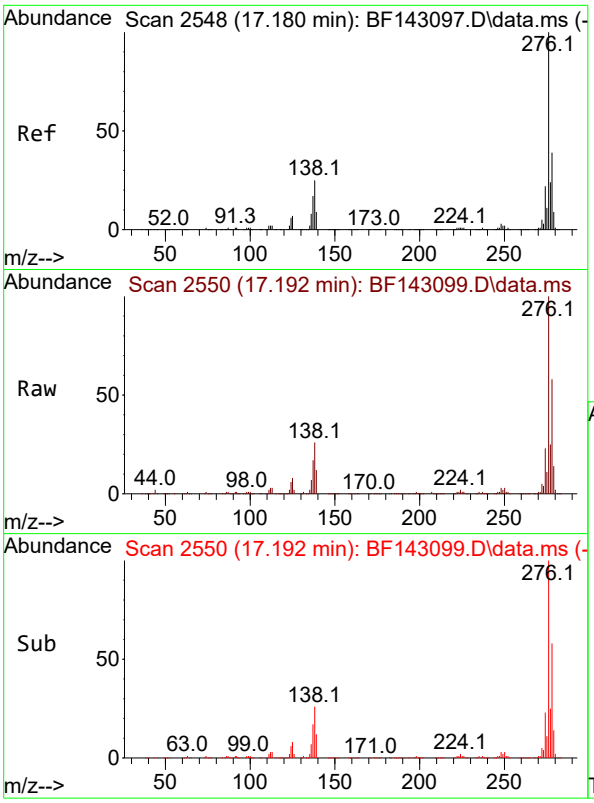




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:264 Resp: 260121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 18.5 | 27.7 |
| 265 | 21.4 | 17.5 | 26.3 |






#87
Indeno(1,2,3-cd)pyrene
Concen: 61.286 ng
RT: 17.192 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:276 Resp: 118570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.6 | 22.6 | 34.0 |
| 277 | 25.4 | 20.2 | 30.2 |

**Manual Integrations**
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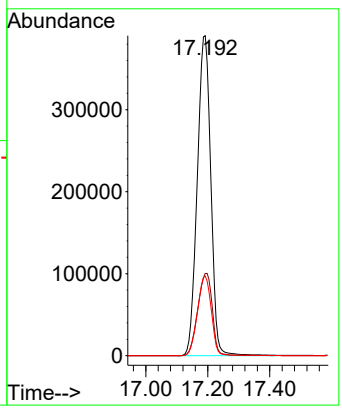
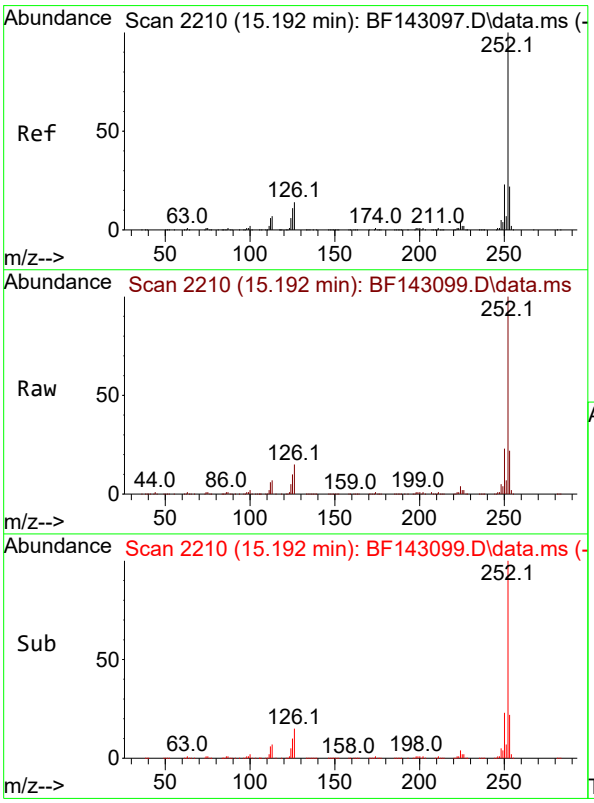
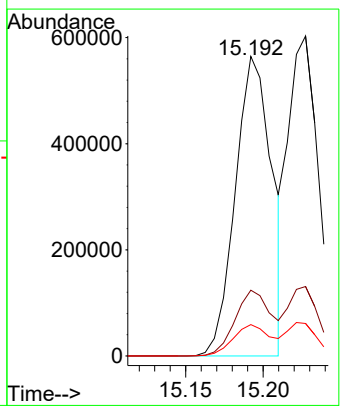


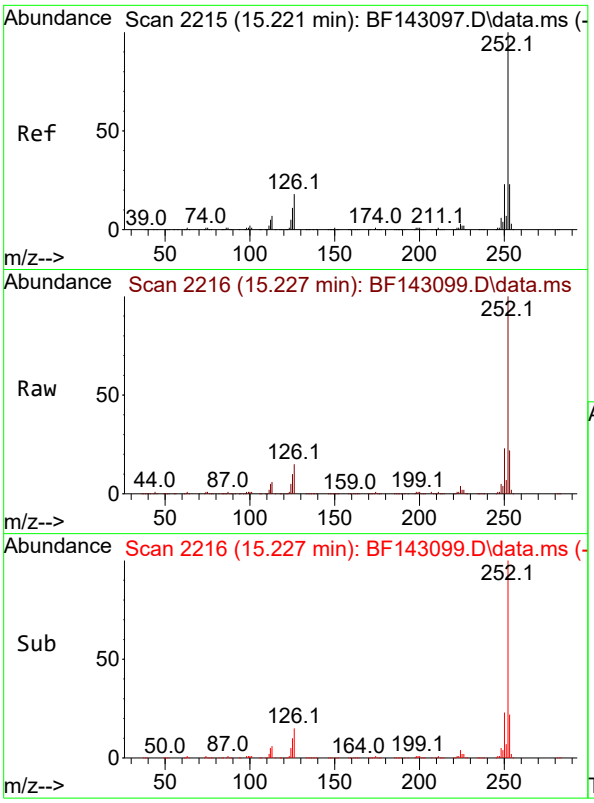




#88
Benzo(b)fluoranthene
Concen: 61.640 ng
RT: 15.192 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:252 Resp: 924866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.5 | 26.3 |
| 125 | 10.5 | 8.6 | 13.0 |

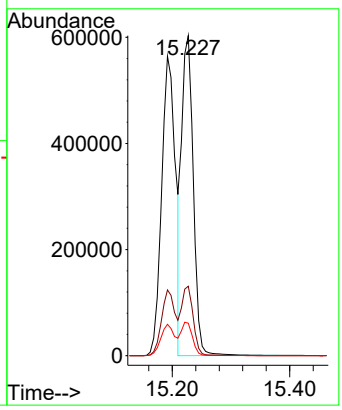





#89
Benzo(k)fluoranthene
Concen: 57.794 ng
RT: 15.227 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:252 Resp: 82727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.4 | 26.2 |
| 125 | 10.2 | 8.5 | 12.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations APPROVED**

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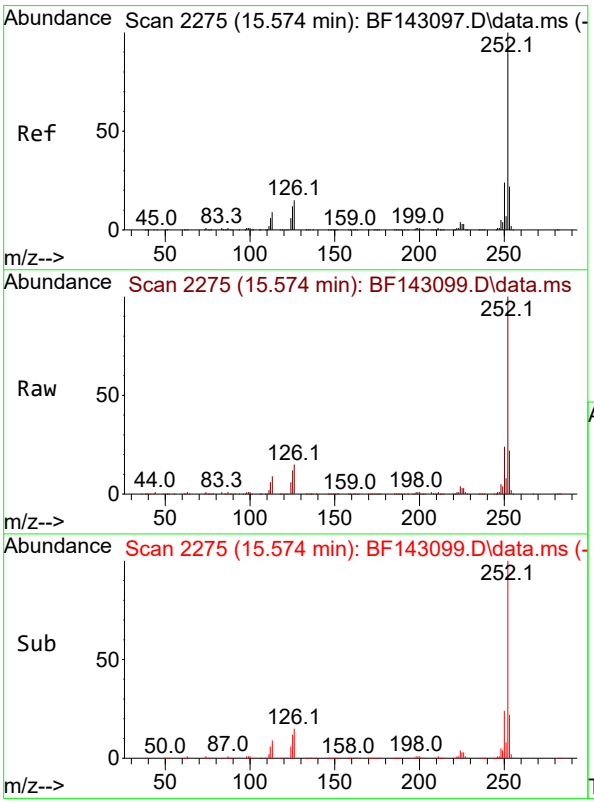
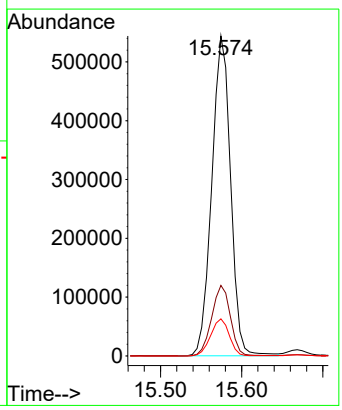
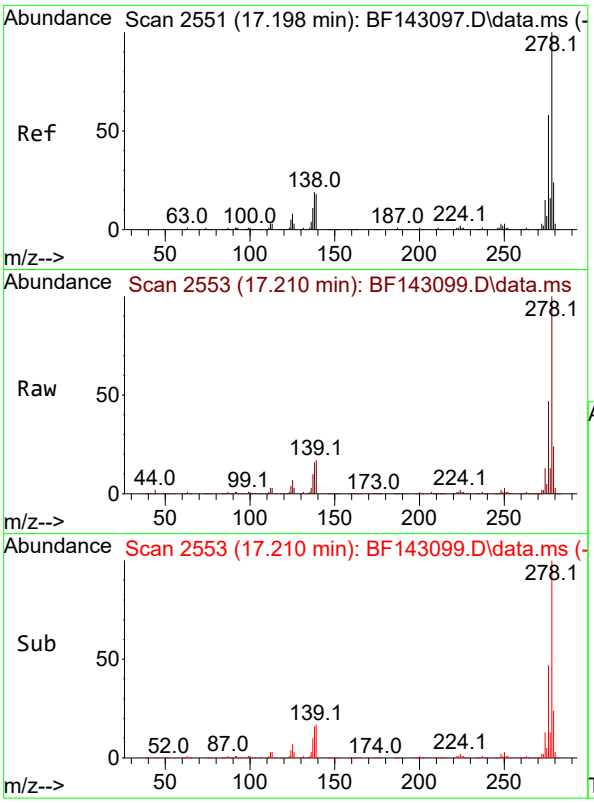



#90
Benzo(a)pyrene
Concen: 61.791 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:252 Resp: 876856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.5 | 26.3 |
| 125 | 11.6 | 9.4 | 14.0 |

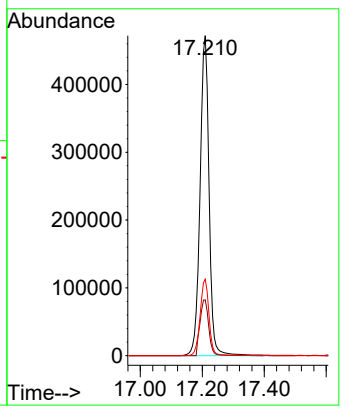





#91
Dibenzo(a,h)anthracene
Concen: 60.300 ng
RT: 17.210 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:278 Resp: 95366

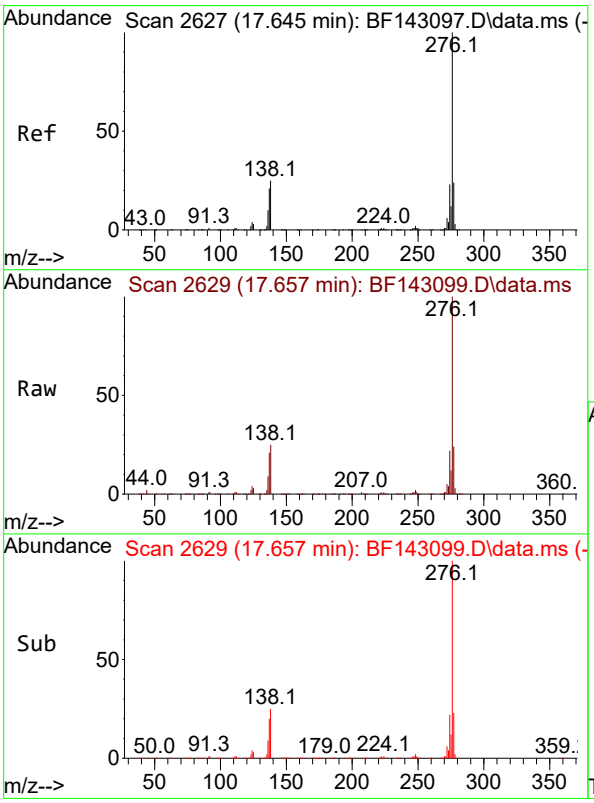
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.4 | 14.6 | 22.0 |
| 279 | 23.9 | 18.8 | 28.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations APPROVED**

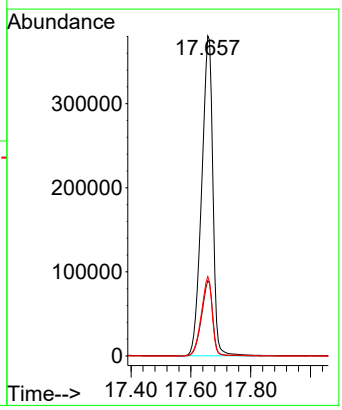
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025




#92
Benzo(g,h,i)perylene
Concen: 60.962 ng
RT: 17.657 min Scan# 2629
Delta R.T. 0.012 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:276 Resp: 982960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.5 | 19.2 | 28.8 |
| 138 | 24.8 | 19.8 | 29.6 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143100.D
Acq On : 15 Jul 2025 16:35
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 15 17:42:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.969 | 152 | 129576 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.251 | 136 | 487361 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 10.010 | 164 | 236260 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.492 | 188 | 362117 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.133 | 240 | 196411 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.639 | 264 | 256691 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.593 | 112 | 1189824 | 145.077 | ng | | 0.00 |
| 7) Phenol-d6 | 6.593 | 99 | 1493965 | 144.917 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.534 | 82 | 1441614 | 165.933 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.798 | 330 | 355830 | 168.911 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.328 | 172 | 2339151 | 131.609 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.075 | 244 | 1779829 | 132.466 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.805 | 88 | 303852 | 74.427 | ng | | 100 |
| 3) Pyridine | 3.581 | 79 | 787323 | 76.158 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.534 | 42 | 421072 | 78.614 | ng | | 100 |
| 6) Aniline | 6.634 | 93 | 1072162 | 73.855 | ng | | 100 |
| 8) 2-Chlorophenol | 6.757 | 128 | 628294 | 76.249 | ng | | 99 |
| 9) Benzaldehyde | 6.522 | 77 | 447861 | 57.014 | ng | | 99 |
| 10) Phenol | 6.610 | 94 | 820918m | 73.558 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.704 | 93 | 626821 | 72.551 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.916 | 146 | 666489 | 71.595 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 6.987 | 146 | 669586 | 71.496 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.145 | 146 | 643168 | 72.014 | ng | | 99 |
| 15) Benzyl Alcohol | 7.104 | 79 | 586953 | 76.840 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.245 | 45 | 1125357 | 70.661 | ng | | 98 |
| 17) 2-Methylphenol | 7.216 | 107 | 536428 | 75.438 | ng | | 99 |
| 18) Hexachloroethane | 7.487 | 117 | 235713 | 77.313 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.393 | 70 | 464705 | 73.578 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.369 | 107 | 616275 | 70.670 | ng | | 95 |
| 22) Acetophenone | 7.381 | 105 | 817243 | 69.563 | ng | # | 95 |
| 24) Nitrobenzene | 7.551 | 77 | 676569 | 80.671 | ng | | 99 |
| 25) Isophorone | 7.798 | 82 | 1269015 | 75.573 | ng | | 100 |
| 26) 2-Nitrophenol | 7.863 | 139 | 287169 | 82.598 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.898 | 122 | 582059 | 74.683 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 7.998 | 93 | 731977 | 71.885 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.104 | 162 | 496027 | 77.795 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.192 | 180 | 520808 | 71.974 | ng | | 98 |
| 31) Naphthalene | 8.275 | 128 | 1711163 | 70.704 | ng | | 100 |
| 32) Benzoic acid | 8.022 | 122 | 336178 | 81.374 | ng | | 99 |
| 33) 4-Chloroaniline | 8.316 | 127 | 688999 | 70.795 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.398 | 225 | 318274 | 73.546 | ng | | 98 |
| 35) Caprolactam | 8.698 | 113 | 161466 | 81.097 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 8.792 | 107 | 539340 | 75.937 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.963 | 142 | 1021312 | 70.738 | ng | | 99 |
| 38) 1-Methylnaphthalene | 9.063 | 142 | 1047560 | 69.955 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.134 | 216 | 493246 | 71.639 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.128 | 237 | 324865 | 85.103 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.239 | 196 | 355839 | 83.176 | ng | | 98 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143100.D
Acq On : 15 Jul 2025 16:35
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 15 17:42:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.275 | 196 | 357298 | 79.651 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.428 | 154 | 1307947 | 69.419 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.457 | 162 | 990436 | 71.557 | ng | | 99 |
| 48) 2-Nitroaniline | 9.539 | 65 | 335875 | 79.074 | ng | | 99 |
| 49) Acenaphthylene | 9.875 | 152 | 1650097 | 71.544 | ng | | 99 |
| 50) Dimethylphthalate | 9.728 | 163 | 1104756 | 74.327 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.787 | 165 | 233478 | 77.660 | ng | | 91 |
| 52) Acenaphthene | 10.045 | 154 | 975285 | 71.657 | ng | | 99 |
| 53) 3-Nitroaniline | 9.951 | 138 | 279161 | 86.920 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 10.057 | 184 | 91751 | 79.064 | ng | # | 1 |
| 55) Dibenzofuran | 10.216 | 168 | 1432458 | 70.610 | ng | | 100 |
| 56) 4-Nitrophenol | 10.098 | 139 | 219224 | 85.886 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 10.186 | 165 | 302558 | 80.048 | ng | | 99 |
| 58) Fluorene | 10.557 | 166 | 1043990 | 68.640 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.328 | 232 | 291933 | 81.893 | ng | | 99 |
| 60) Diethylphthalate | 10.428 | 149 | 1067815 | 74.464 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.545 | 204 | 524910 | 72.005 | ng | | 98 |
| 62) 4-Nitroaniline | 10.569 | 138 | 244461 | 87.527 | ng | | 97 |
| 63) Azobenzene | 10.710 | 77 | 1141613 | 71.985 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.598 | 198 | 125251 | 78.600 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 10.663 | 169 | 947890 | 74.520 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 11.039 | 248 | 316619 | 76.885 | ng | | 97 |
| 68) Hexachlorobenzene | 11.110 | 284 | 333899 | 76.417 | ng | | 96 |
| 69) Atrazine | 11.186 | 200 | 266668 | 81.943 | ng | | 97 |
| 70) Pentachlorophenol | 11.292 | 266 | 210729 | 87.905 | ng | | 99 |
| 71) Phenanthrene | 11.522 | 178 | 1401500 | 71.714 | ng | | 99 |
| 72) Anthracene | 11.569 | 178 | 1423259 | 72.421 | ng | | 99 |
| 73) Carbazole | 11.716 | 167 | 1264053 | 71.796 | ng | | 100 |
| 74) Di-n-butylphthalate | 12.051 | 149 | 1299711 | 80.422 | ng | | 100 |
| 75) Fluoranthene | 12.704 | 202 | 1258479 | 70.821 | ng | | 99 |
| 77) Benzidine | 12.816 | 184 | 403599 | 60.315 | ng | | 99 |
| 78) Pyrene | 12.933 | 202 | 1244953 | 68.315 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.551 | 149 | 301525 | 79.914 | ng | | 99 |
| 81) Benzo(a)anthracene | 14.122 | 228 | 979909 | 74.870 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.080 | 252 | 296061 | 77.896 | ng | | 99 |
| 83) Chrysene | 14.157 | 228 | 913035 | 75.743 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 14.110 | 149 | 458210 | 80.495 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.727 | 149 | 916748 | 82.209 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.192 | 276 | 1509813 | 79.082 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.198 | 252 | 1115815 | 75.360 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.227 | 252 | 1083939 | 76.736 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.580 | 252 | 1107280 | 79.071 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.215 | 278 | 1209971 | 77.528 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.668 | 276 | 1246206 | 78.321 | ng | | 98 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

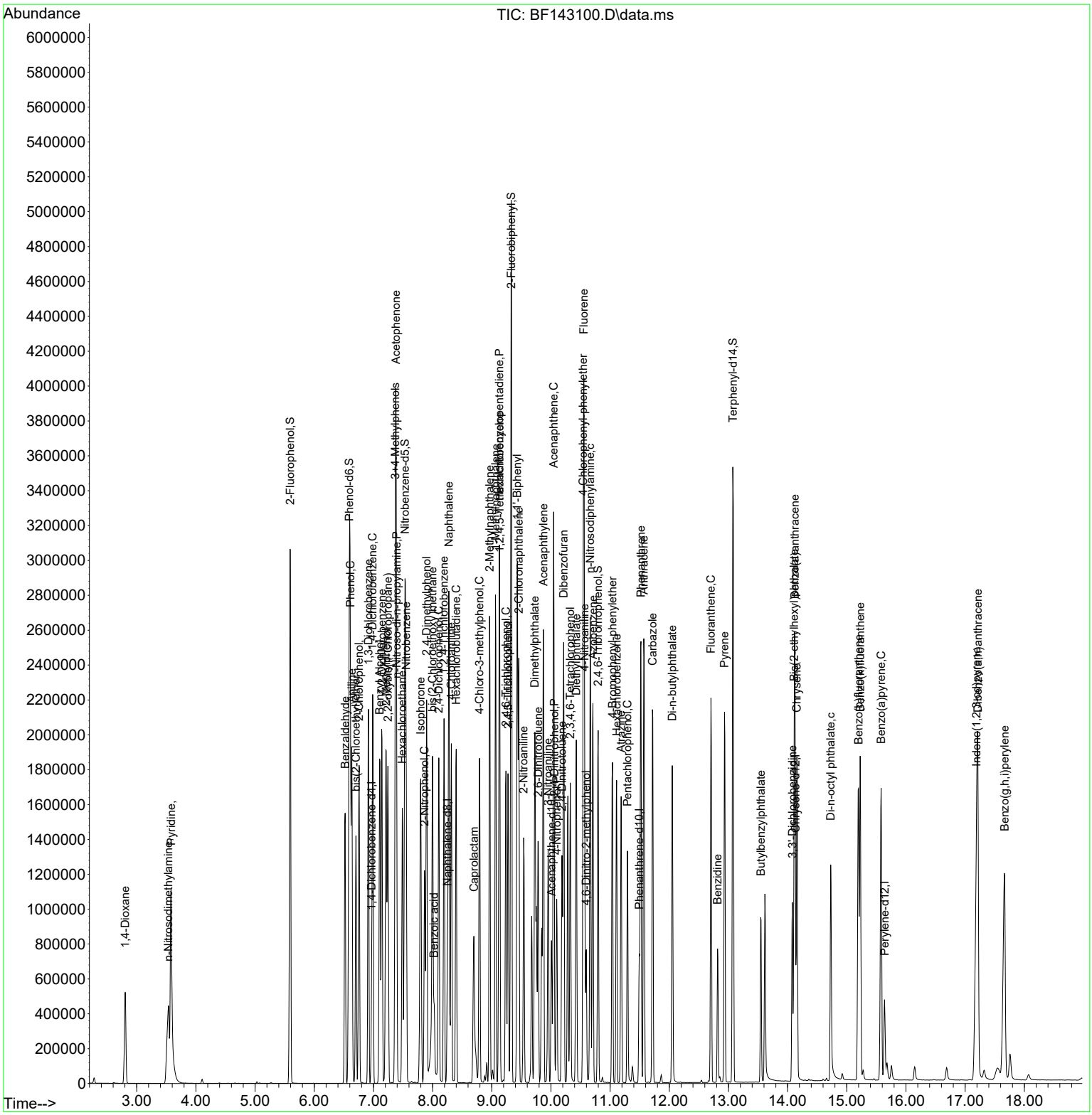
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143100.D
Acq On : 15 Jul 2025 16:35
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

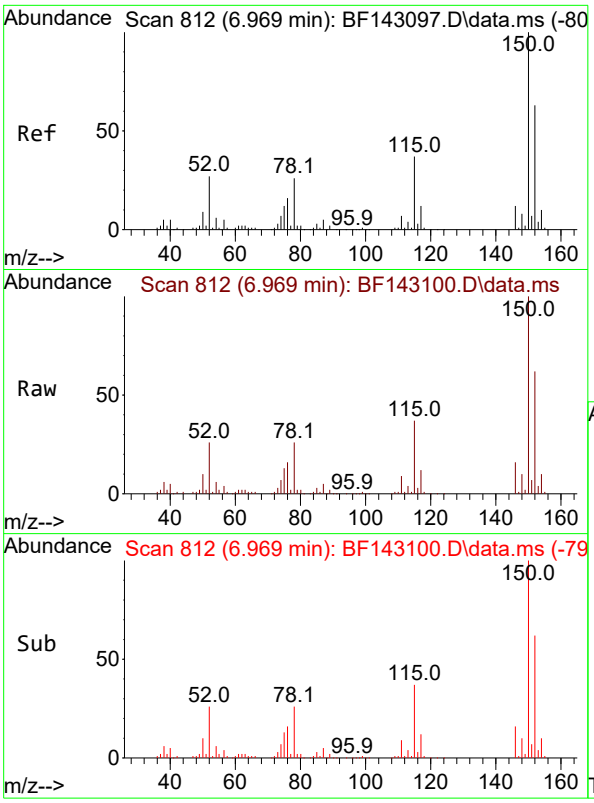
Quant Time: Jul 15 17:42:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

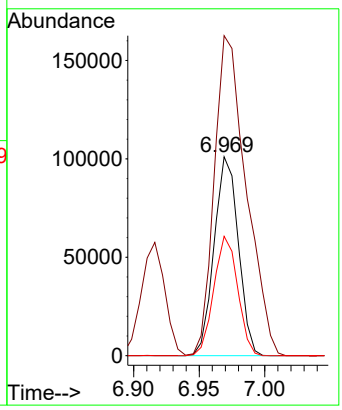





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:152 Resp: 12957

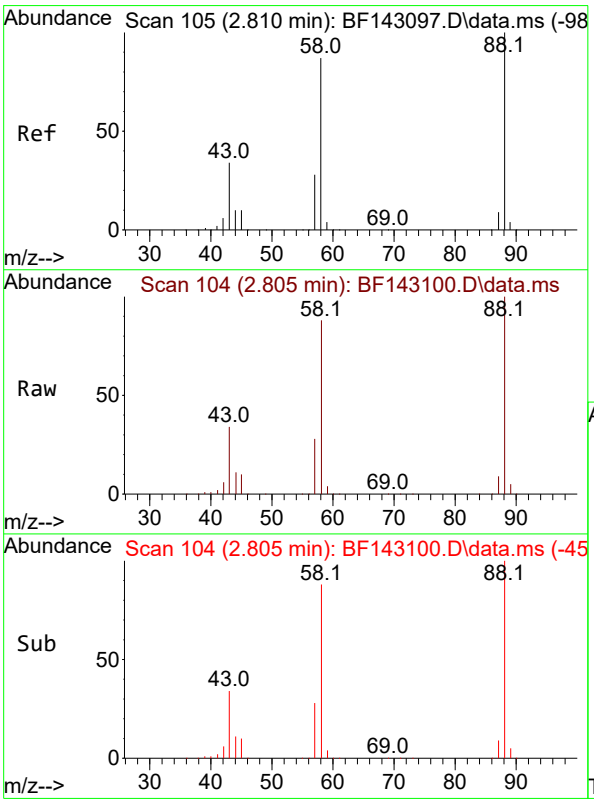
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.9 | 126.5 | 189.7 |
| 115 | 60.0 | 47.0 | 70.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

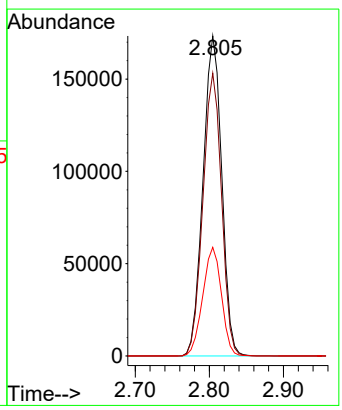
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

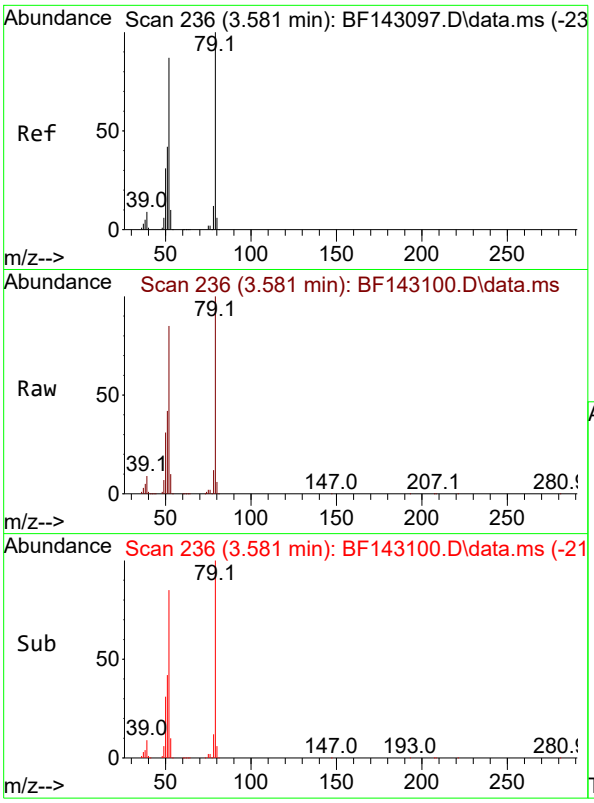



#2
1,4-Dioxane
Concen: 74.427 ng
RT: 2.805 min Scan# 104
Delta R.T. -0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 88 Resp: 303852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 87.8 | 70.5 | 105.7 |
| 43 | 33.9 | 27.3 | 40.9 |

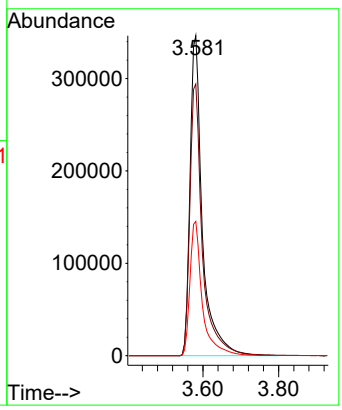





#3
Pyridine
Concen: 76.158 ng
RT: 3.581 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 79 Resp: 78732

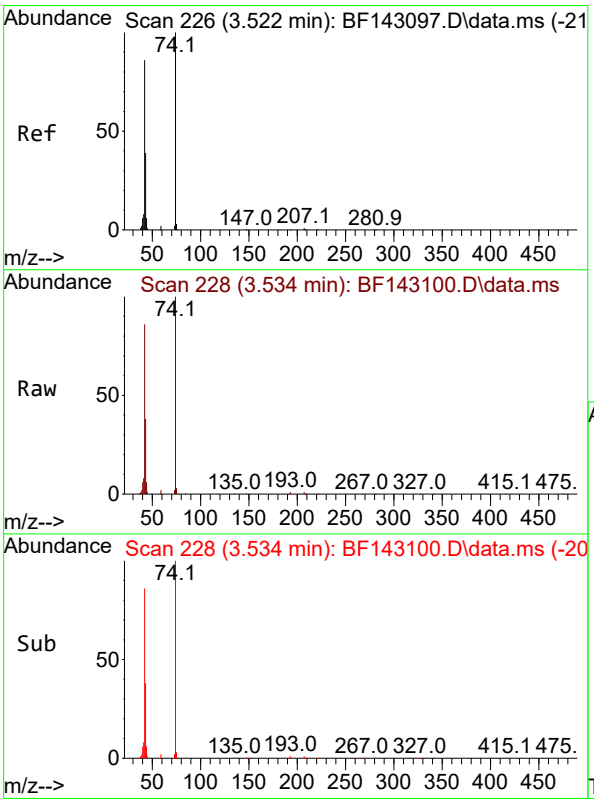
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 84.9 | 69.2 | 103.8 |
| 51 | 42.0 | 33.3 | 49.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

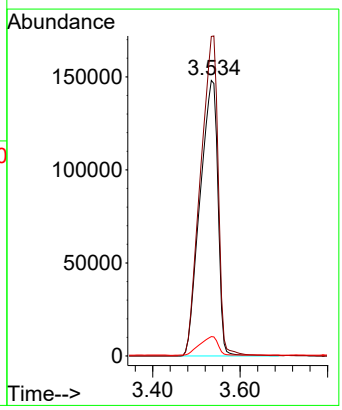
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

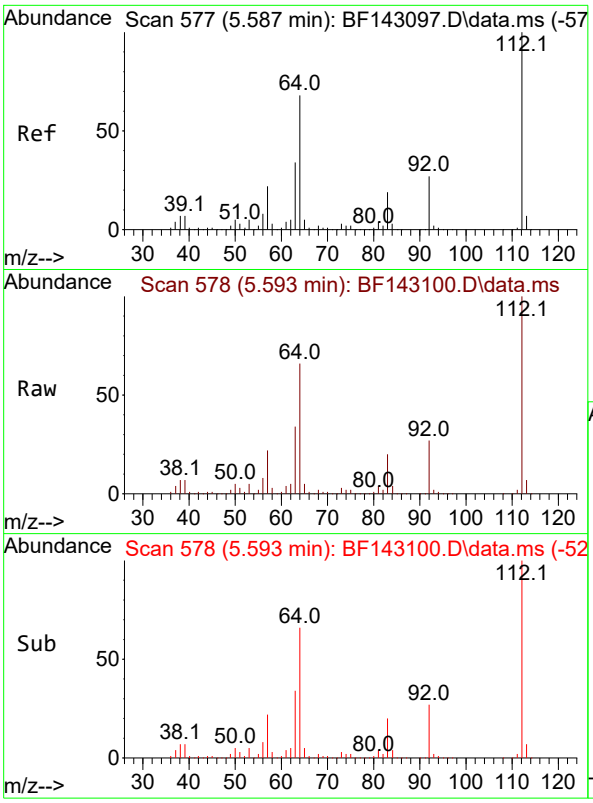



#4
n-Nitrosodimethylamine
Concen: 78.614 ng
RT: 3.534 min Scan# 228
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 42 Resp: 421072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 115.9 | 92.8 | 139.2 |
| 44 | 7.0 | 5.8 | 8.6 |

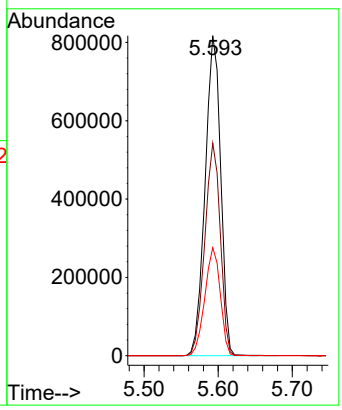





#5
2-Fluorophenol
Concen: 145.077 ng
RT: 5.593 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:112 Resp: 118982

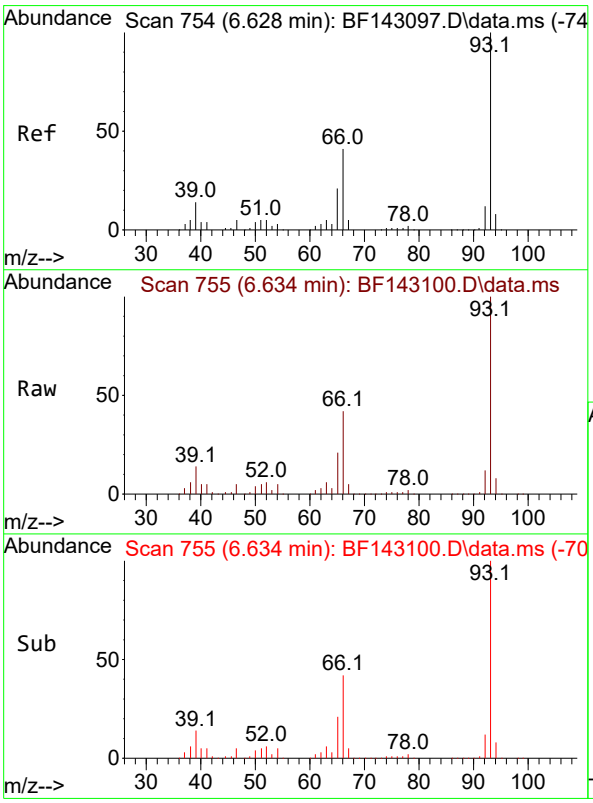
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 66.4 | 54.6 | 82.0 |
| 63 | 33.7 | 27.3 | 40.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

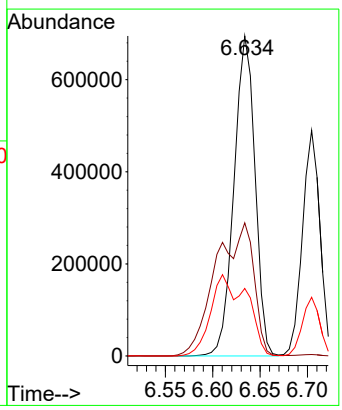
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

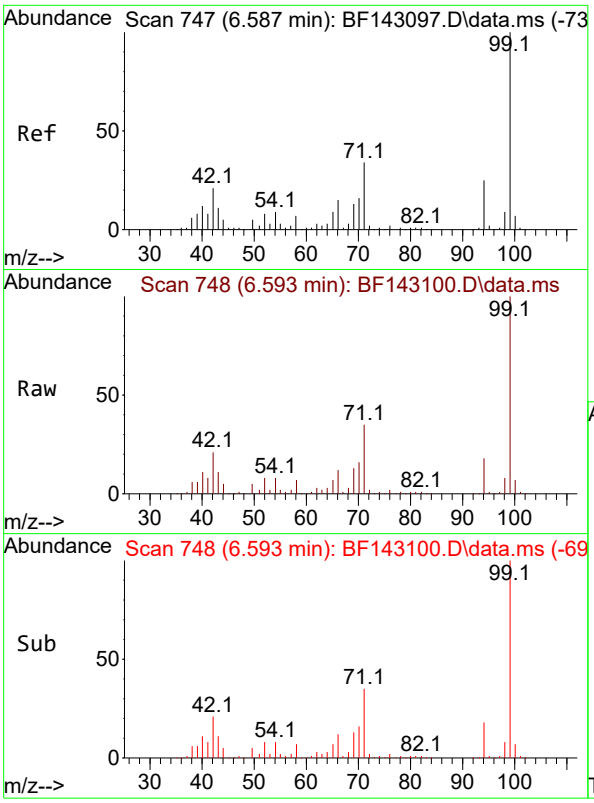



#6
Aniline
Concen: 73.855 ng
RT: 6.634 min Scan# 755
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 93 Resp: 1072162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 41.6 | 33.1 | 49.7 |
| 65 | 21.1 | 16.9 | 25.3 |

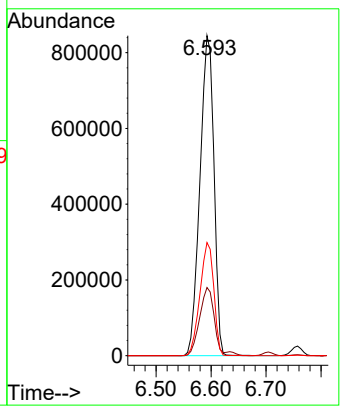





#7
Phenol-d6
Concen: 144.917 ng
RT: 6.593 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 99 Resp: 149396

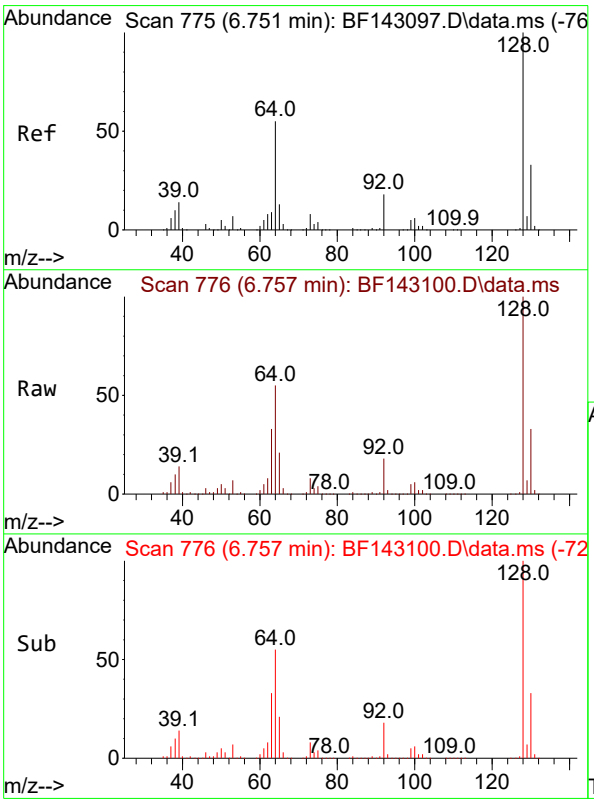
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.3 | 17.2 | 25.8 |
| 71 | 35.4 | 27.4 | 41.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

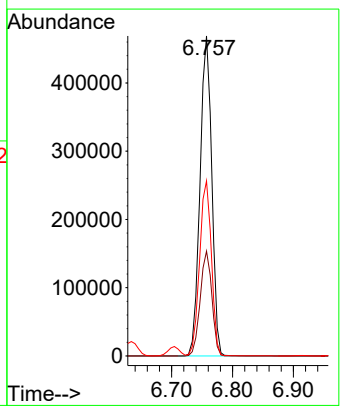
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

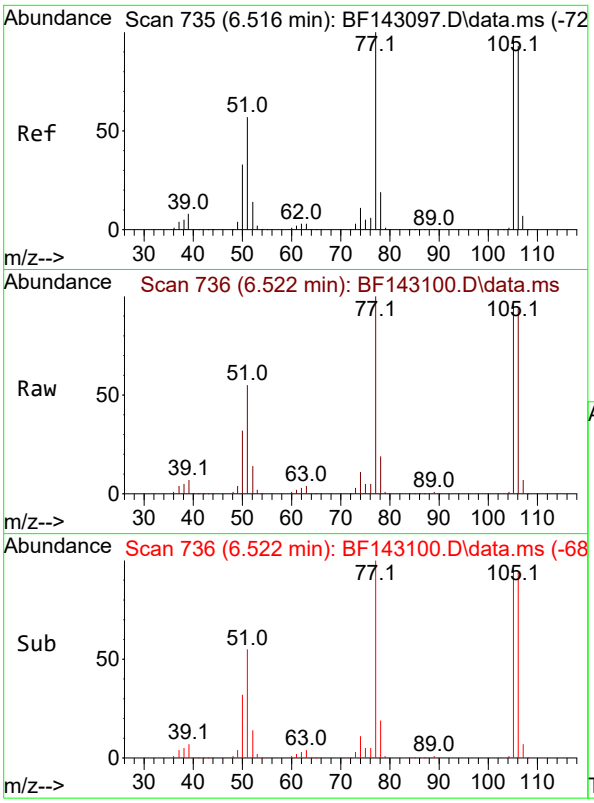



#8
2-Chlorophenol
Concen: 76.249 ng
RT: 6.757 min Scan# 776
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:128 Resp: 628294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.7 | 12.8 | 52.8 |
| 64 | 54.7 | 36.1 | 76.1 |

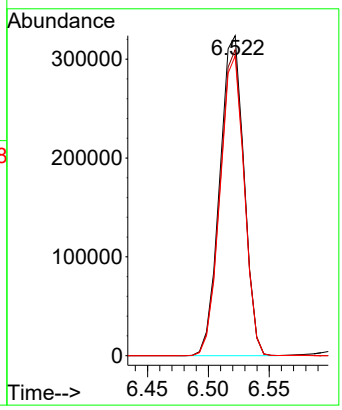





#9
Benzaldehyde
Concen: 57.014 ng
RT: 6.522 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 77 Resp: 44786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 95.6 | 76.3 | 116.3 |
| 106 | 93.6 | 72.8 | 112.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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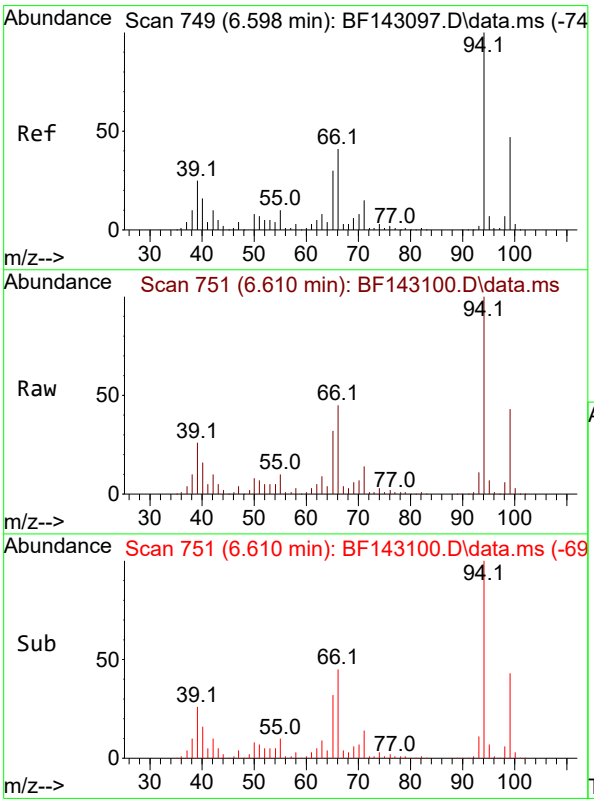
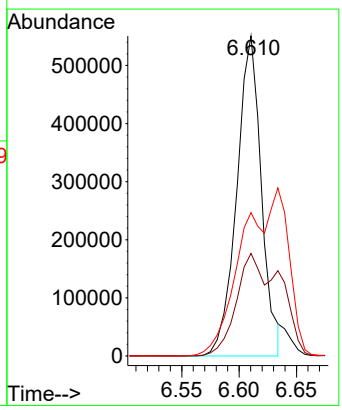
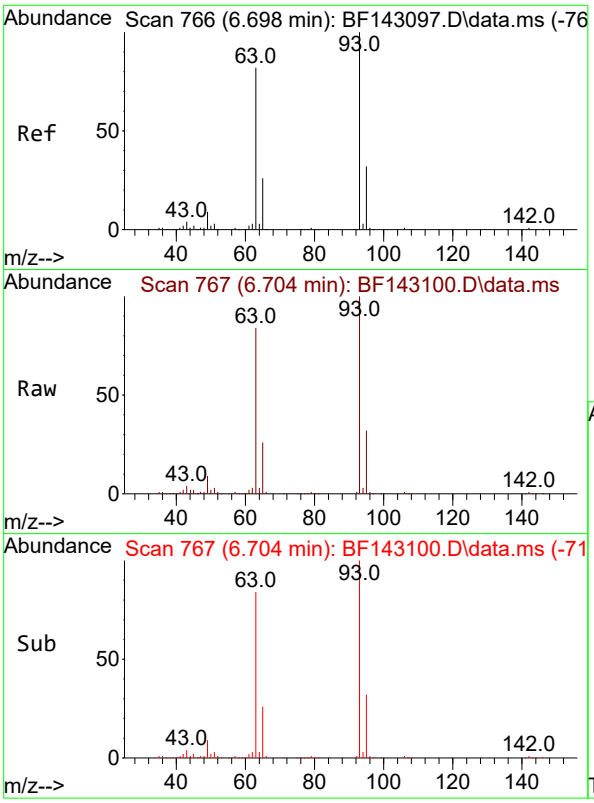



#10
Phenol
Concen: 73.558 ng m
RT: 6.610 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 94 Resp: 820918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 32.1 | 9.8 | 49.8 |
| 66 | 44.8 | 20.5 | 60.5 |

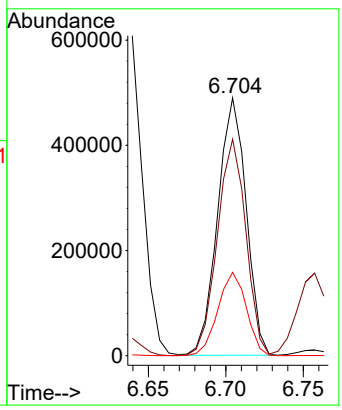





#11
bis(2-Chloroethyl)ether
Concen: 72.551 ng
RT: 6.704 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 93 Resp: 62682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 84.0 | 61.9 | 101.9 |
| 95 | 32.3 | 12.2 | 52.2 |




**Instrument :**
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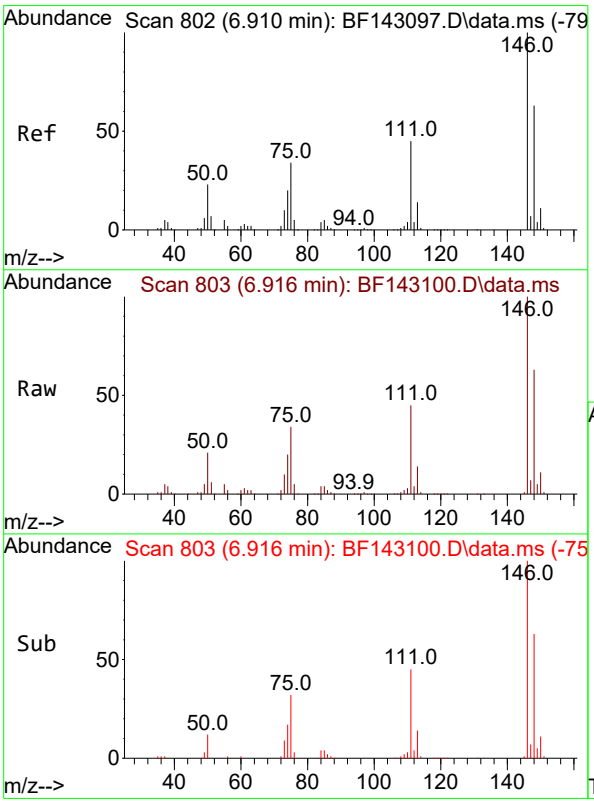
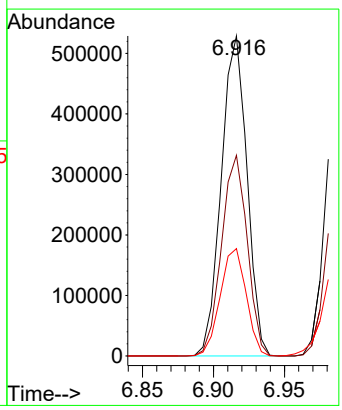
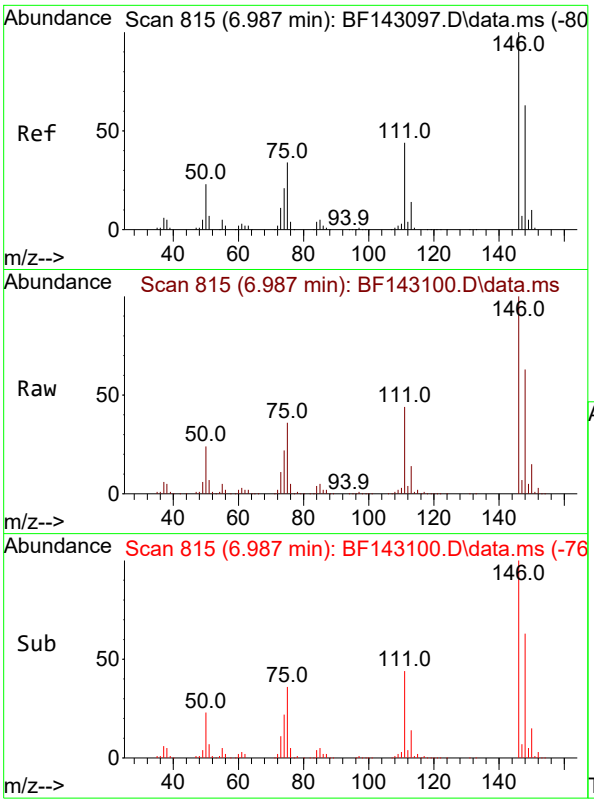



#12
1,3-Dichlorobenzene
Concen: 71.595 ng
RT: 6.916 min Scan# 803
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:146 Resp: 666489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.7 | 50.1 | 75.1 |
| 75 | 33.5 | 27.4 | 41.0 |

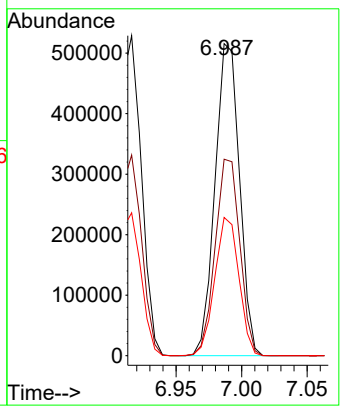





#13
1,4-Dichlorobenzene
Concen: 71.496 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:146 Resp: 66958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.0 | 50.6 | 76.0 |
| 111 | 44.3 | 35.0 | 52.6 |




**Instrument :**
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**ClientSampleId :**
SSTDICC080

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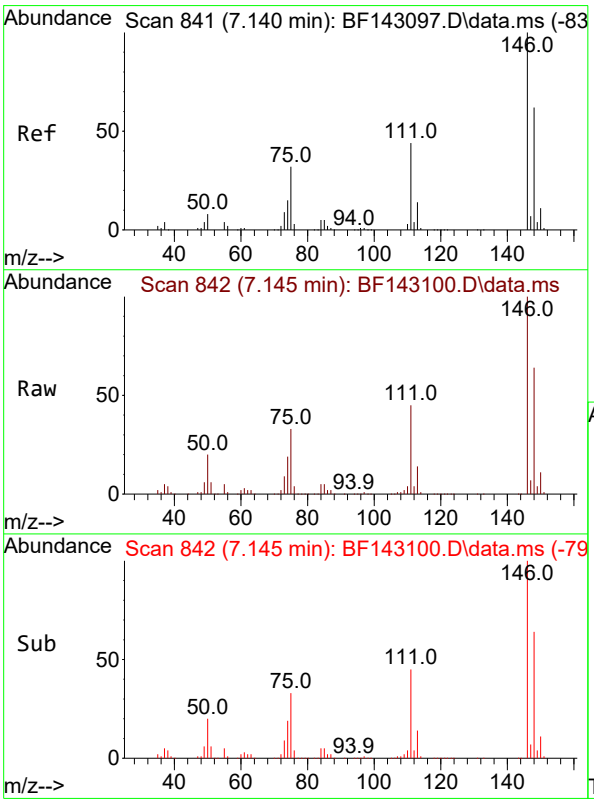
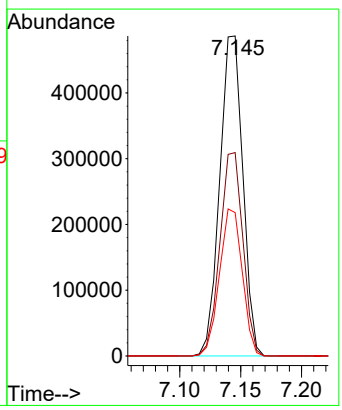
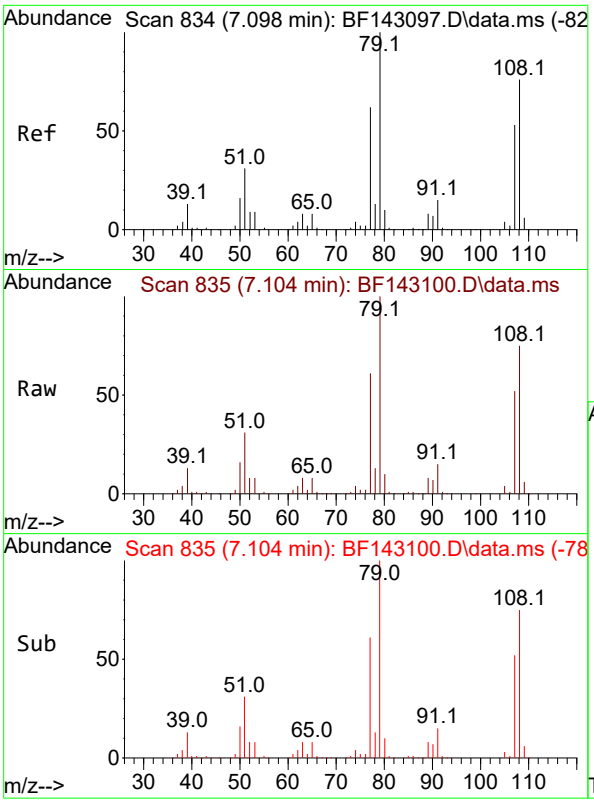



#14
1,2-Dichlorobenzene
Concen: 72.014 ng
RT: 7.145 min Scan# 842
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:146 Resp: 643168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.6 | 49.8 | 74.6 |
| 111 | 44.8 | 35.4 | 53.0 |

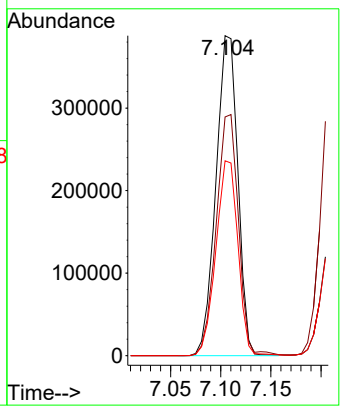





#15
Benzyl Alcohol
Concen: 76.840 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 79 Resp: 58695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 74.6 | 61.1 | 91.7 |
| 77 | 60.9 | 49.9 | 74.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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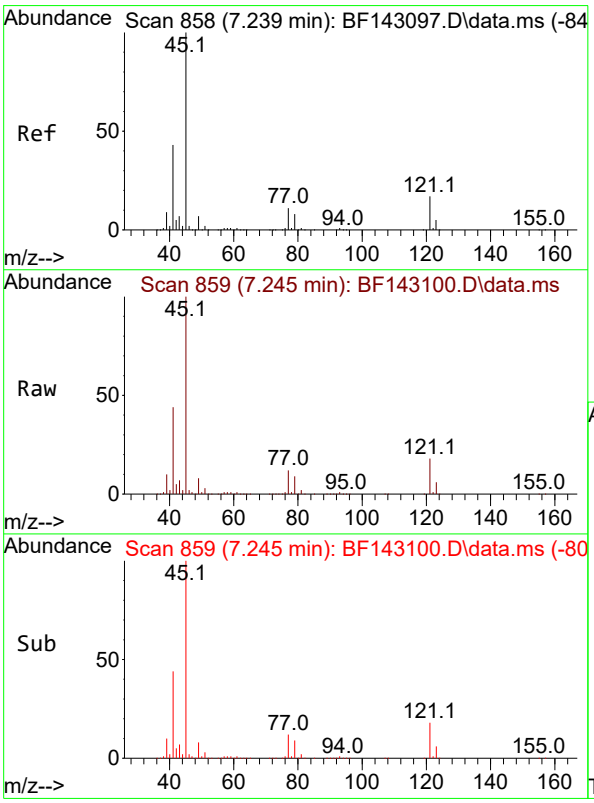
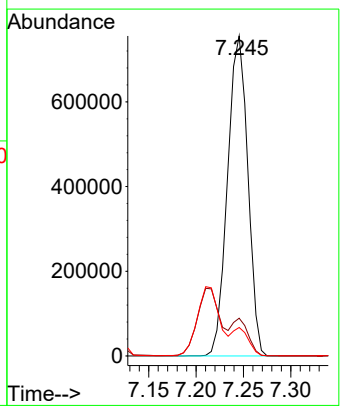
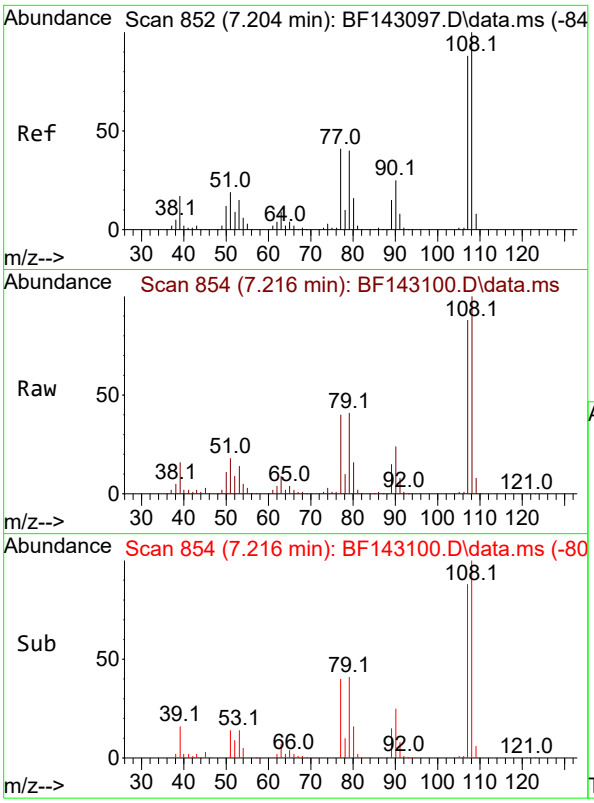



#16
2,2'-oxybis(1-Chloropropane)
Concen: 70.661 ng
RT: 7.245 min Scan# 859
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 45 Resp: 1125357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 11.8 | 0.0 | 31.1 |
| 79 | 8.9 | 0.0 | 28.4 |

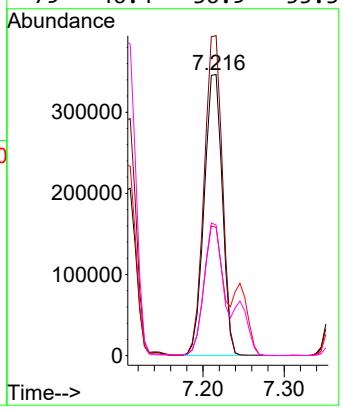





#17
2-Methylphenol
Concen: 75.438 ng
RT: 7.216 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:107 Resp: 53642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.8 | 90.9 | 136.3 |
| 77 | 45.6 | 37.5 | 56.3 |
| 79 | 46.4 | 36.9 | 55.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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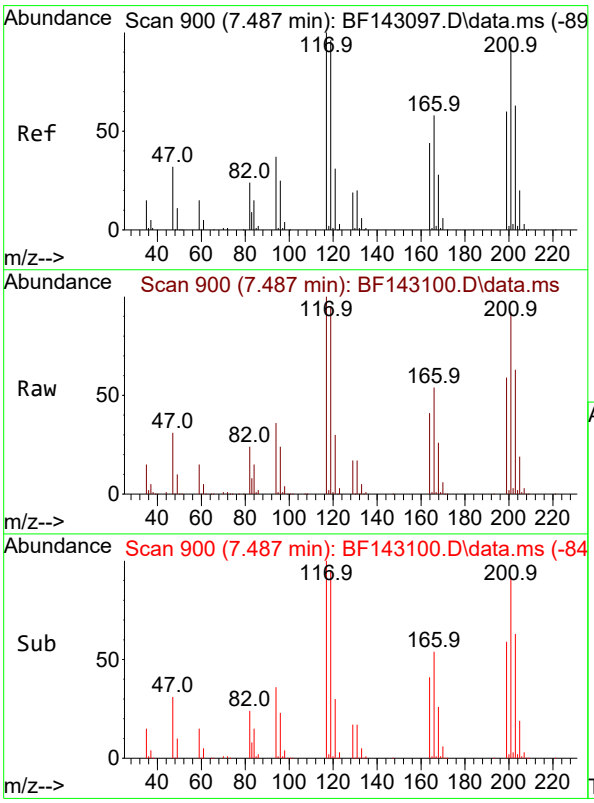
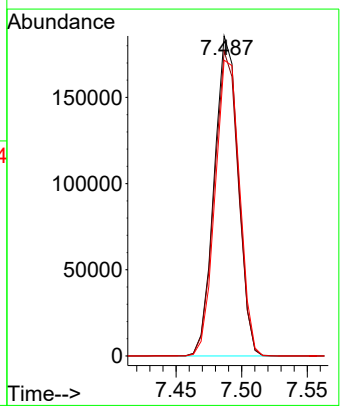
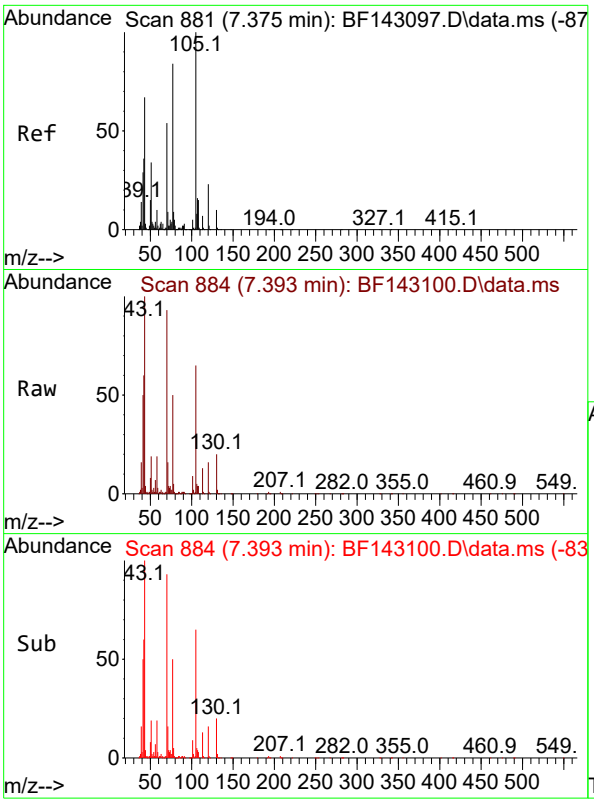



#18
Hexachloroethane
Concen: 77.313 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:117 Resp: 235713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.2 | 76.7 | 115.1 |
| 201 | 92.5 | 75.0 | 112.4 |

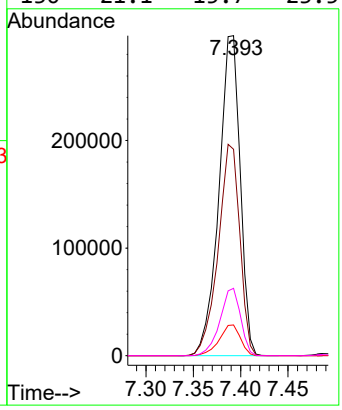





#19
n-Nitroso-di-n-propylamine
Concen: 73.578 ng
RT: 7.393 min Scan# 8
Delta R.T. 0.018 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 70 Resp: 46470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 64.5 | 53.2 | 79.8 |
| 101 | 9.6 | 7.5 | 11.3 |
| 130 | 21.1 | 15.7 | 23.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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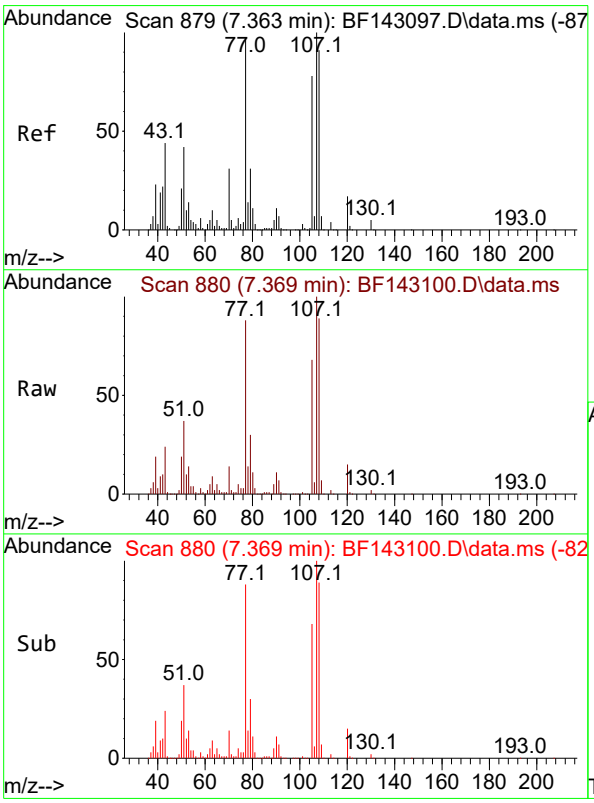
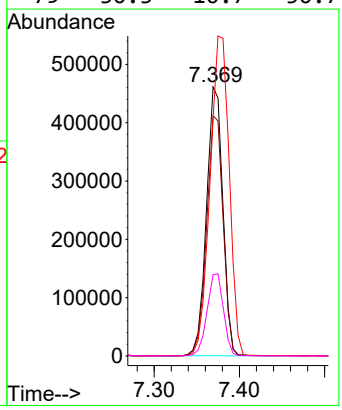
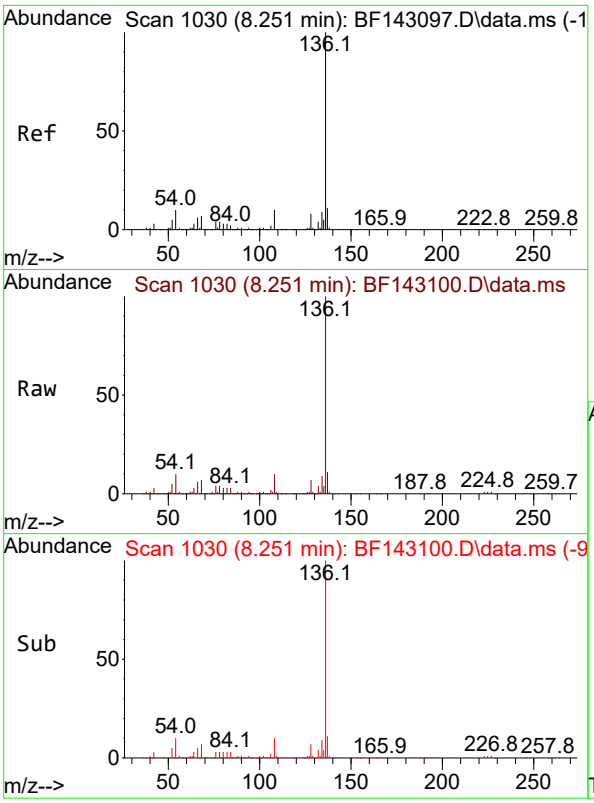



#20
3+4-Methylphenols
Concen: 70.670 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:107 Resp: 616275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.3 | 71.3 | 111.3 |
| 77 | 88.3 | 77.2 | 117.2 |
| 79 | 30.3 | 10.7 | 50.7 |

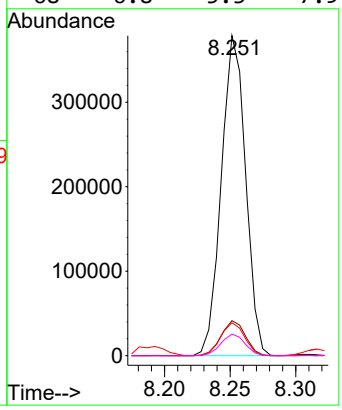





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:136 Resp: 48736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.9 | 13.3 |
| 54 | 10.3 | 8.3 | 12.5 |
| 68 | 6.8 | 5.3 | 7.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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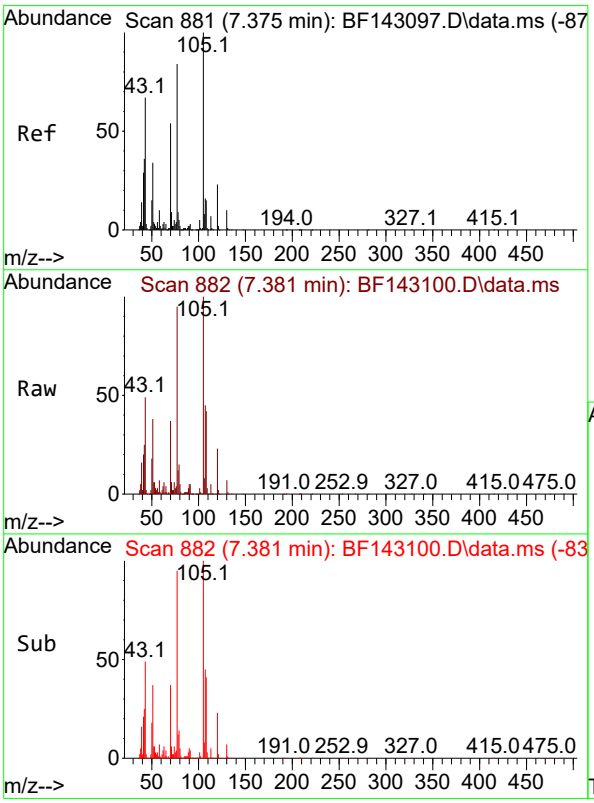
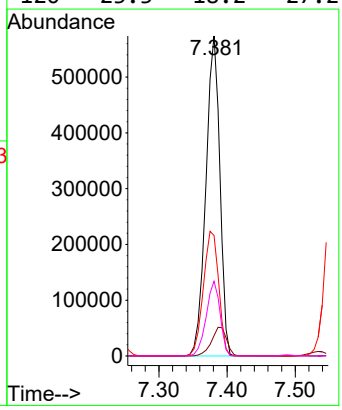
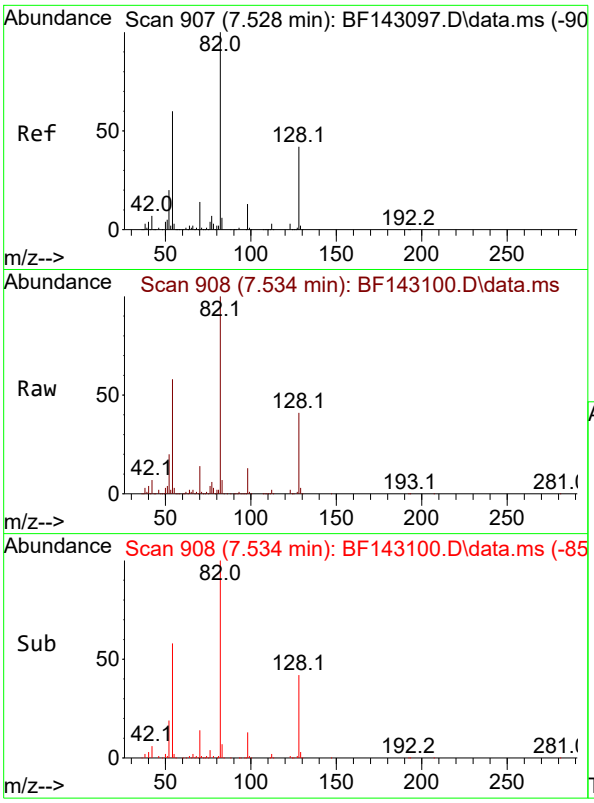



#22
Acetophenone
Concen: 69.563 ng
RT: 7.381 min Scan# 882
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:105 Resp: 817243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.4 | 7.2 | 10.8# |
| 51 | 37.7 | 27.0 | 40.4 |
| 120 | 23.3 | 18.2 | 27.2 |

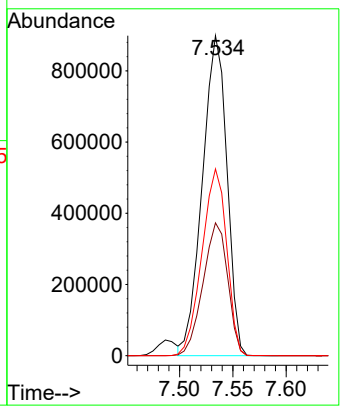





#23
Nitrobenzene-d5
Concen: 165.933 ng
RT: 7.534 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 82 Resp: 144161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.5 | 33.3 | 49.9 |
| 54 | 58.4 | 47.4 | 71.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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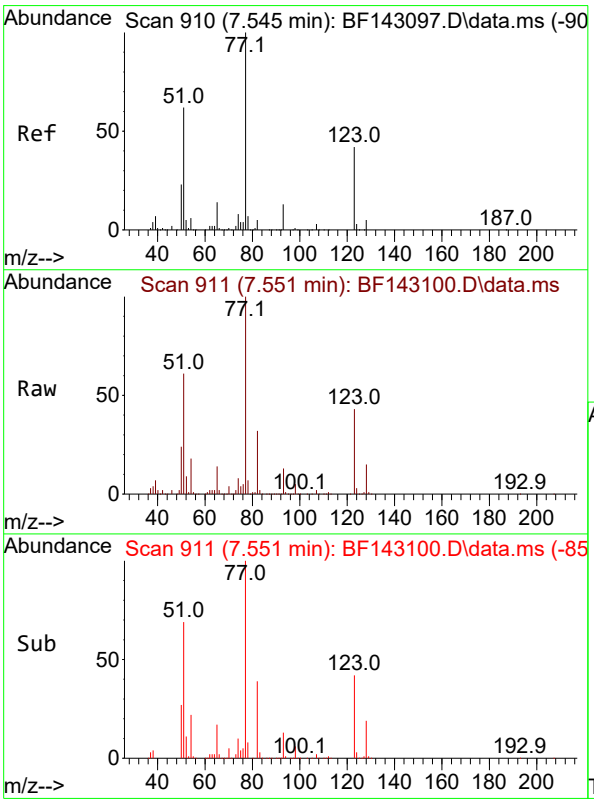
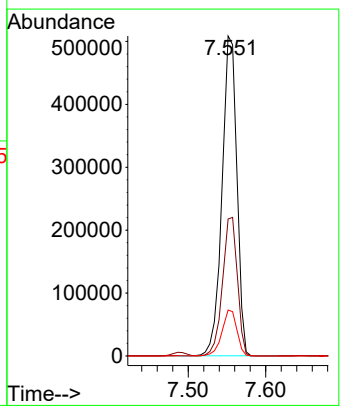
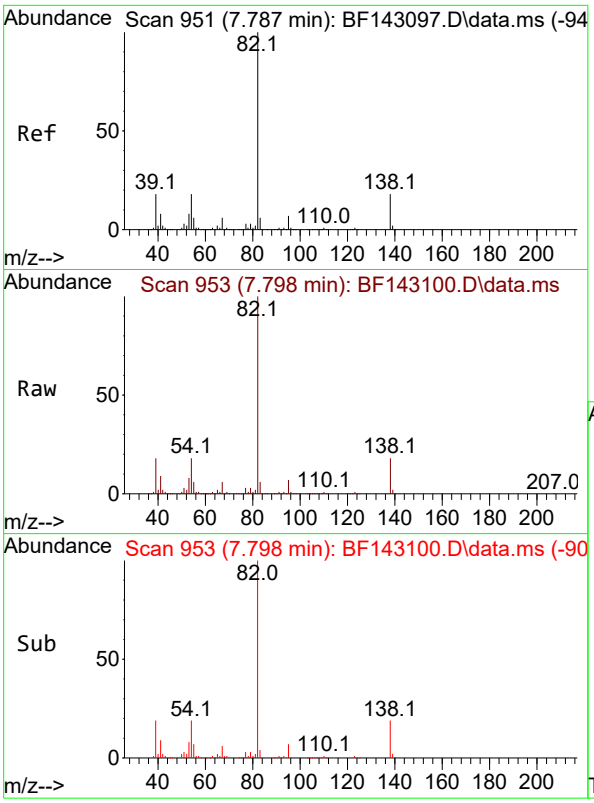



#24
Nitrobenzene
Concen: 80.671 ng
RT: 7.551 min Scan# 911
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 77 Resp: 676569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 42.8 | 34.5 | 51.7 |
| 65 | 14.3 | 11.3 | 16.9 |

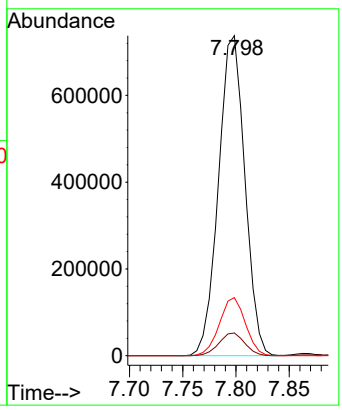





#25
Isophorone
Concen: 75.573 ng
RT: 7.798 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 82 Resp: 126901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.1 | 5.6 | 8.4 |
| 138 | 18.2 | 14.3 | 21.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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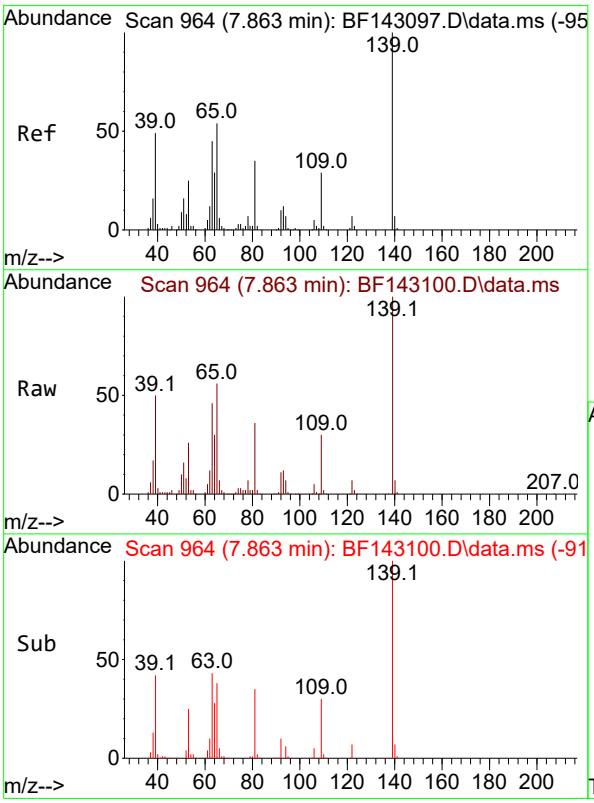
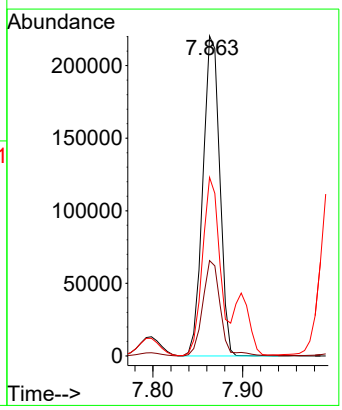
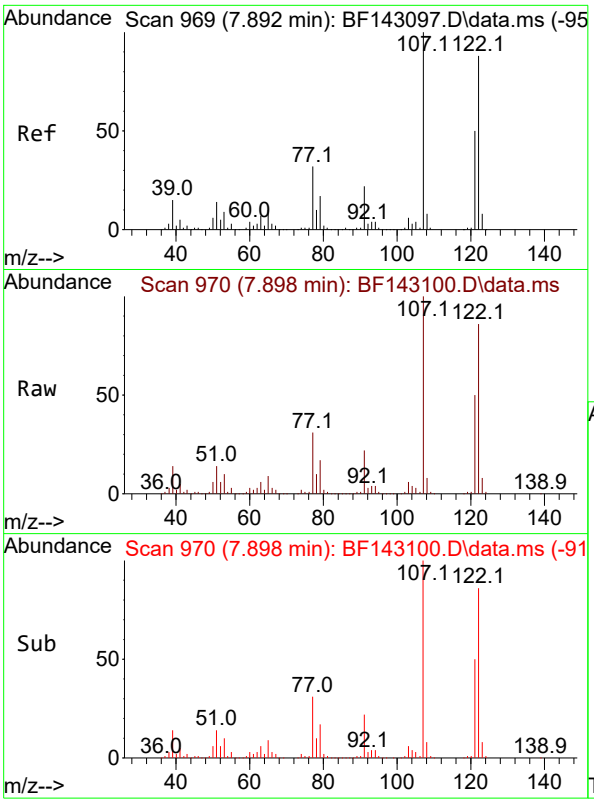



#26
2-Nitrophenol
Concen: 82.598 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:139 Resp: 287169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 29.8 | 23.4 | 35.0 |
| 65 | 55.8 | 43.4 | 65.2 |

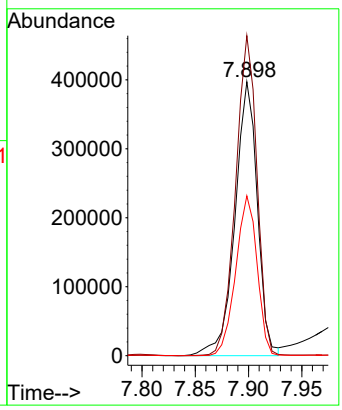





#27
2,4-Dimethylphenol
Concen: 74.683 ng
RT: 7.898 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:122 Resp: 58205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 116.8 | 91.3 | 136.9 |
| 121 | 58.4 | 45.5 | 68.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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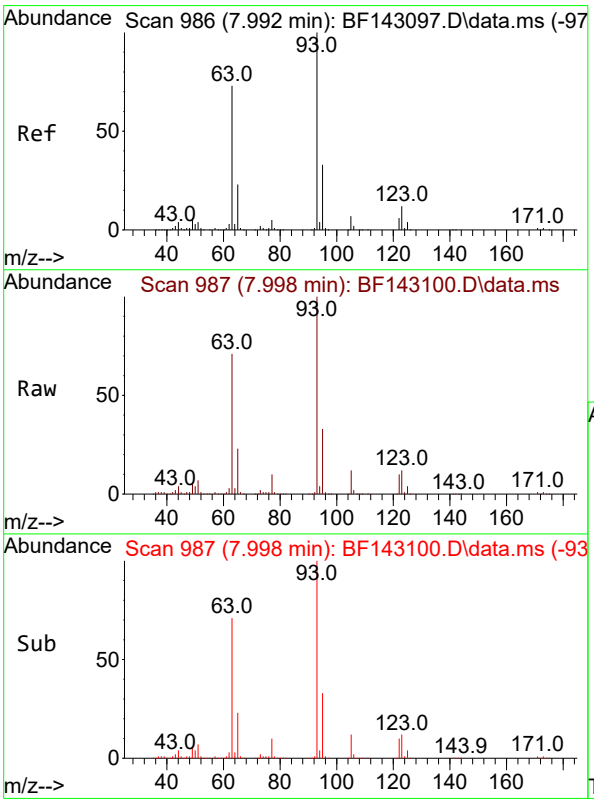
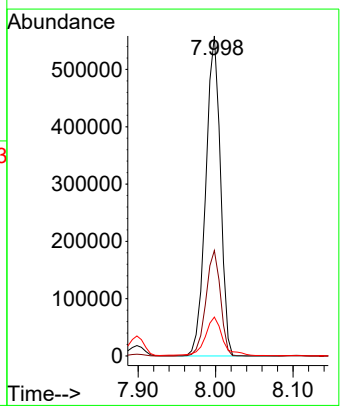
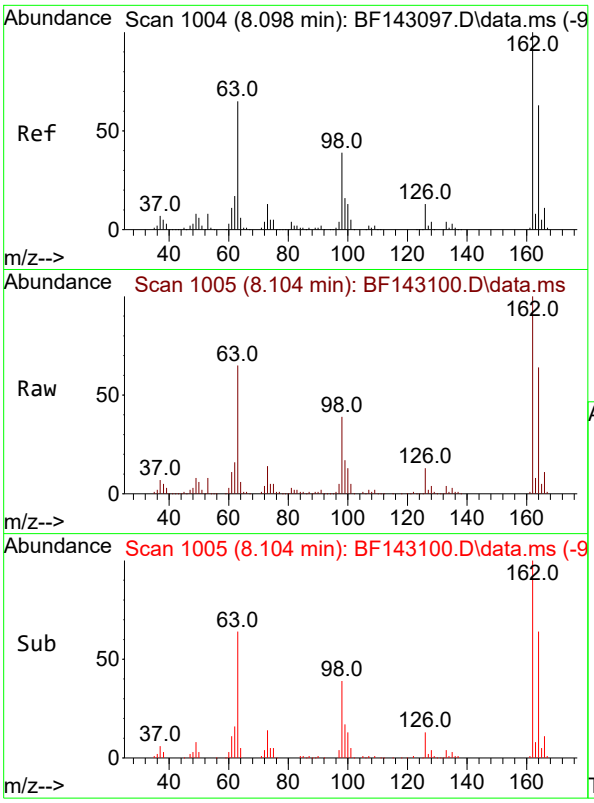



#28
bis(2-Chloroethoxy)methane
Concen: 71.885 ng
RT: 7.998 min Scan# 987
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 93 Resp: 731977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.0 | 26.2 | 39.4 |
| 123 | 12.1 | 9.6 | 14.4 |

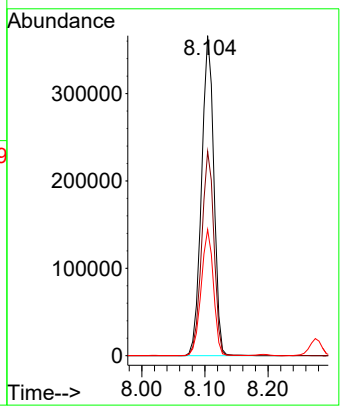





#29
2,4-Dichlorophenol
Concen: 77.795 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:162 Resp: 49602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.9 | 43.1 | 83.1 |
| 98 | 39.4 | 19.2 | 59.2 |




**Instrument :**
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SSTDICC080

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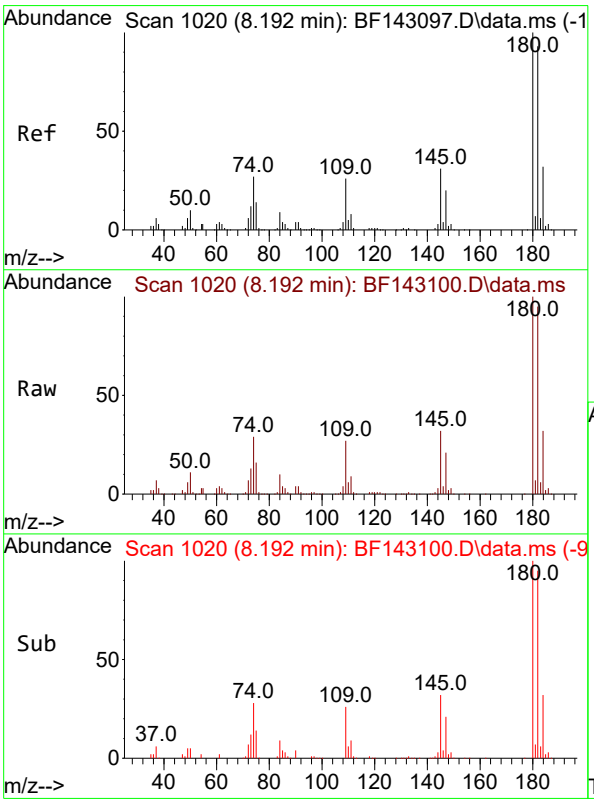
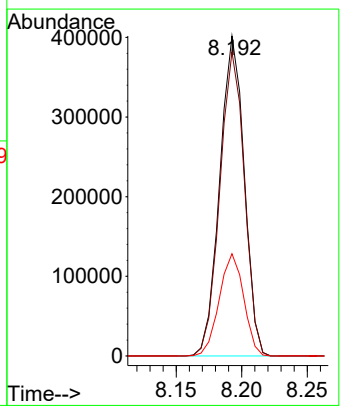
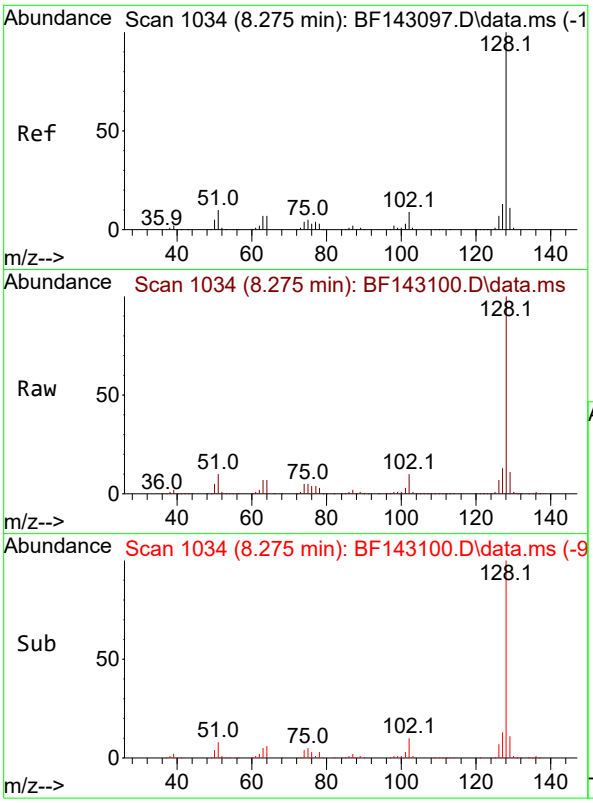



#30
1,2,4-Trichlorobenzene
Concen: 71.974 ng
RT: 8.192 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:180 Resp: 520808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.0 | 74.7 | 112.1 |
| 145 | 32.0 | 24.5 | 36.7 |

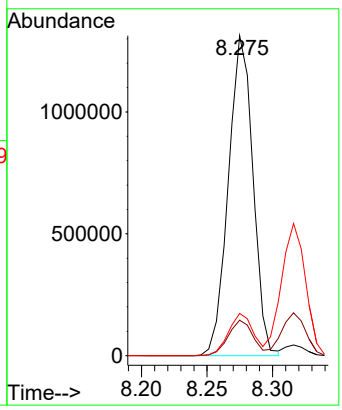





#31
Naphthalene
Concen: 70.704 ng
RT: 8.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:128 Resp: 171116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 9.0 | 13.4 |
| 127 | 13.2 | 10.5 | 15.7 |




**Instrument :**
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**ClientSampleId :**
SSTDICC080

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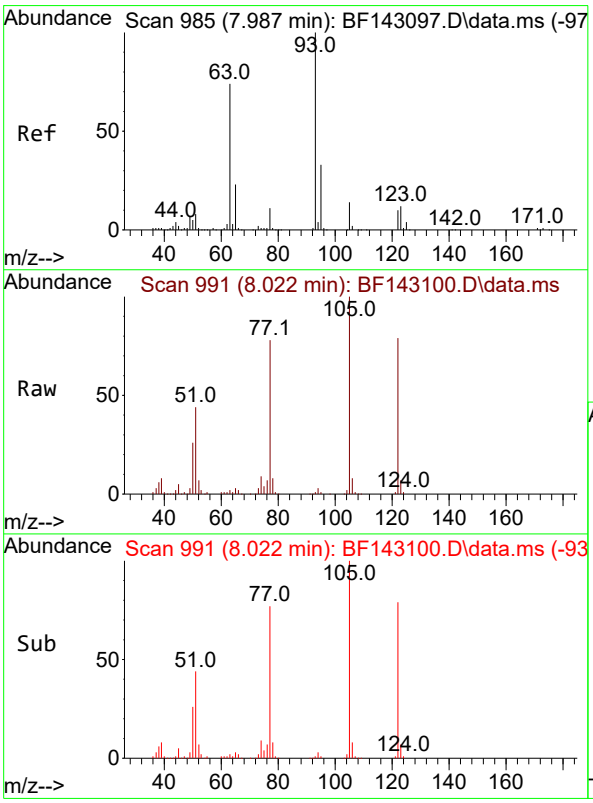
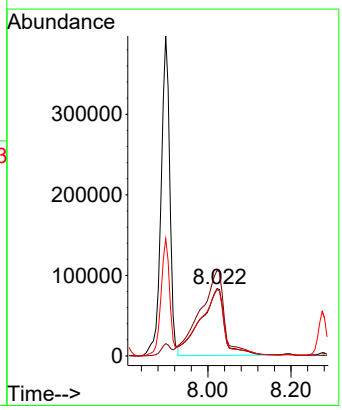
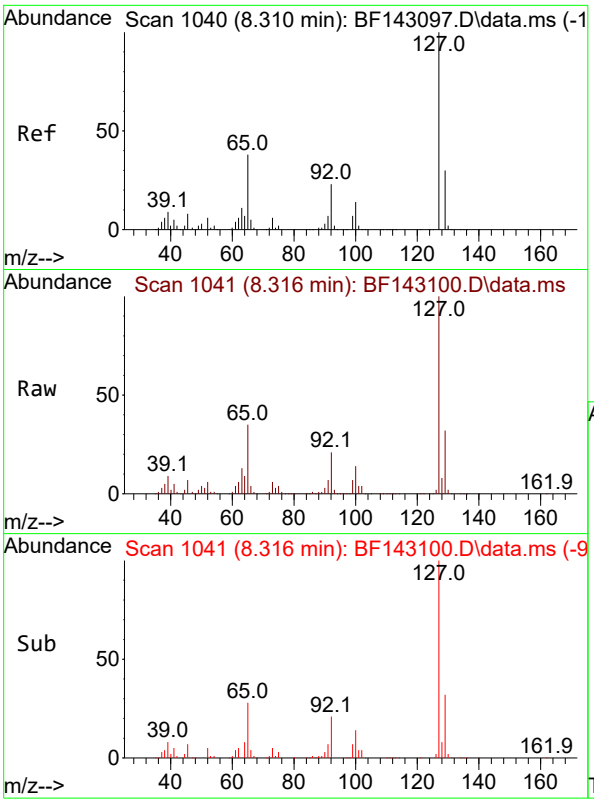



#32
Benzoic acid
Concen: 81.374 ng
RT: 8.022 min Scan# 991
Delta R.T. 0.035 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:122 Resp: 336178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 127.0 | 105.4 | 145.4 |
| 77 | 98.6 | 78.6 | 118.6 |

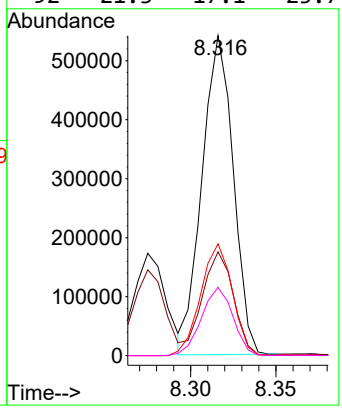





#33
4-Chloroaniline
Concen: 70.795 ng
RT: 8.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:127 Resp: 68899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.5 | 26.2 | 39.4 |
| 65 | 35.0 | 28.6 | 42.8 |
| 92 | 21.3 | 17.1 | 25.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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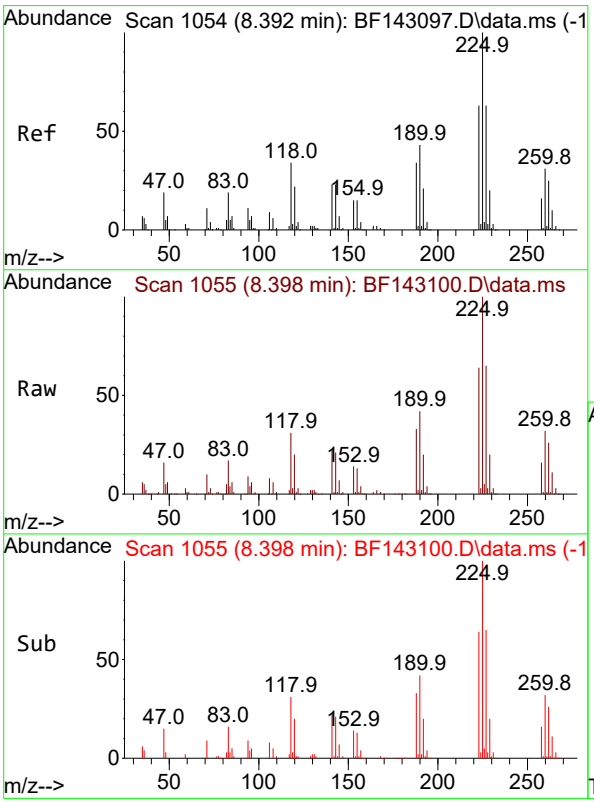
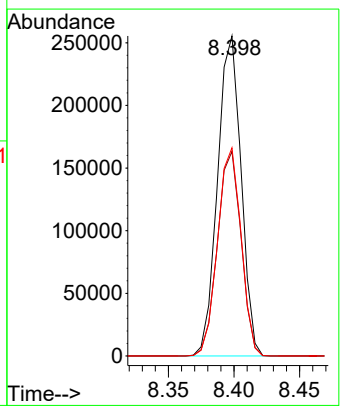
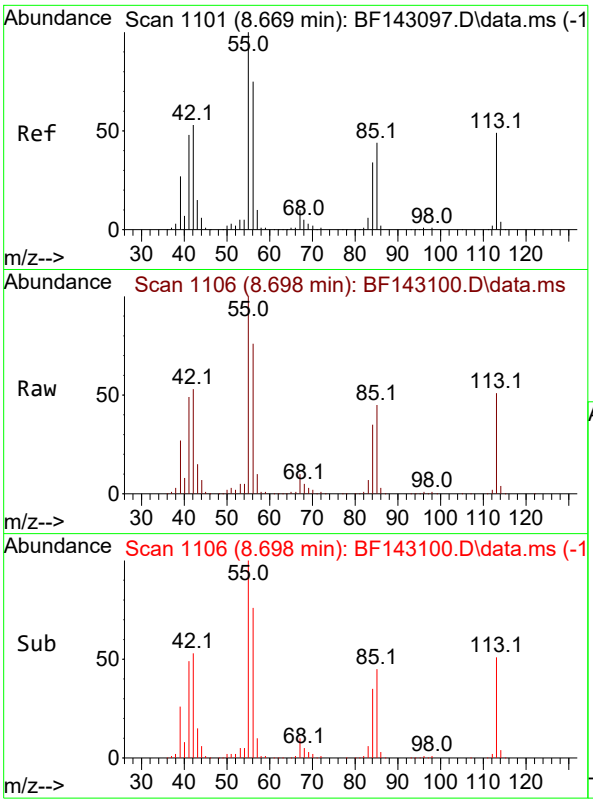



#34
Hexachlorobutadiene
Concen: 73.546 ng
RT: 8.398 min Scan# 1055
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:225 Resp: 318274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.9 | 50.3 | 75.5 |
| 227 | 65.0 | 50.1 | 75.1 |

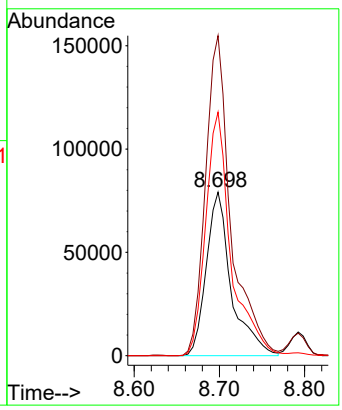





#35
Caprolactam
Concen: 81.097 ng
RT: 8.698 min Scan# 1
Delta R.T. 0.030 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:113 Resp: 16146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 195.6 | 186.2 | 226.2 |
| 56 | 148.8 | 134.1 | 174.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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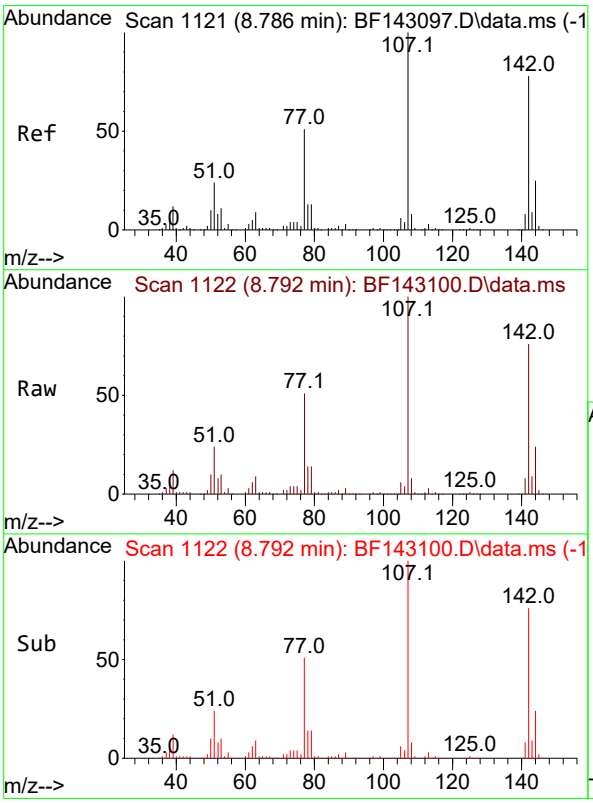
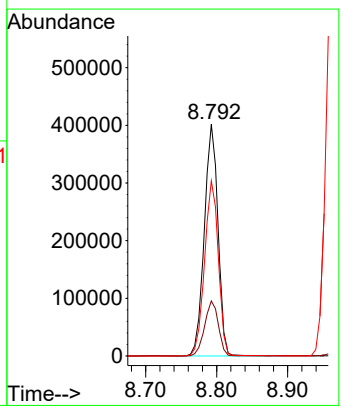
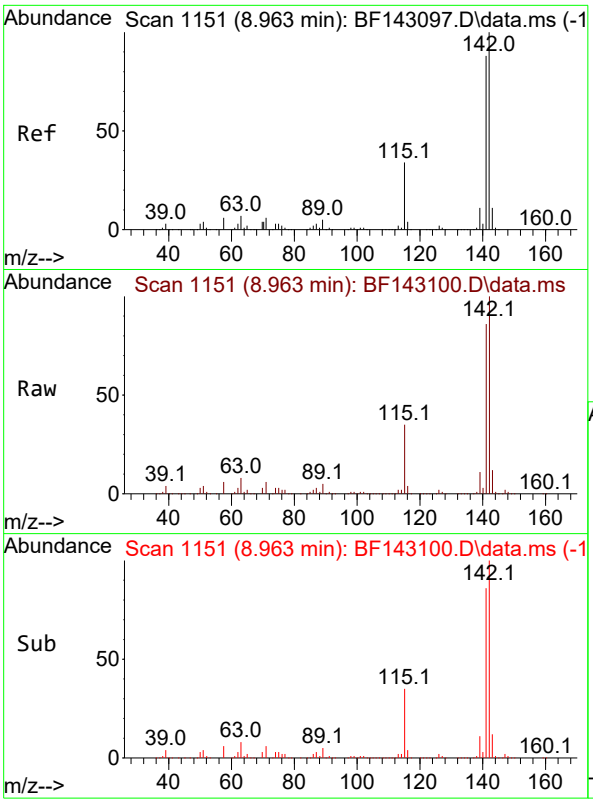



#36
4-Chloro-3-methylphenol
Concen: 75.937 ng
RT: 8.792 min Scan# 1122
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:107 Resp: 539340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 23.8 | 20.2 | 30.2 |
| 142 | 75.5 | 62.4 | 93.6 |






#37
2-Methylnaphthalene
Concen: 70.738 ng
RT: 8.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:142 Resp: 102131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 86.4 | 70.2 | 105.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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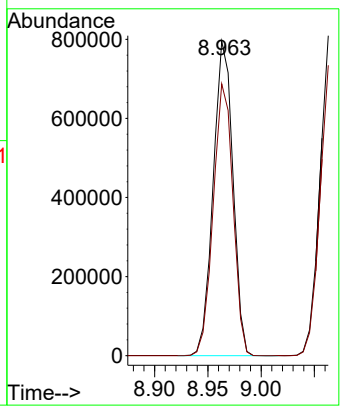
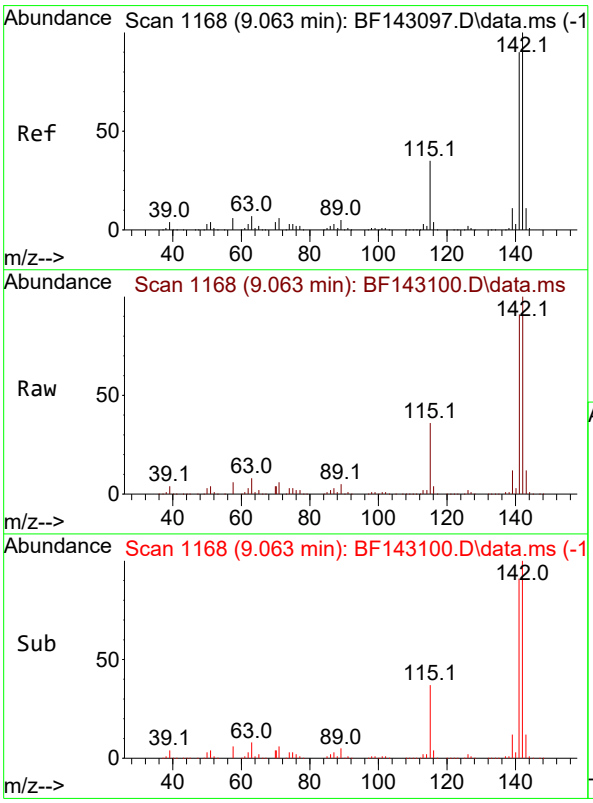
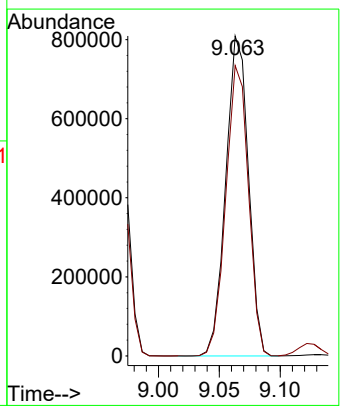


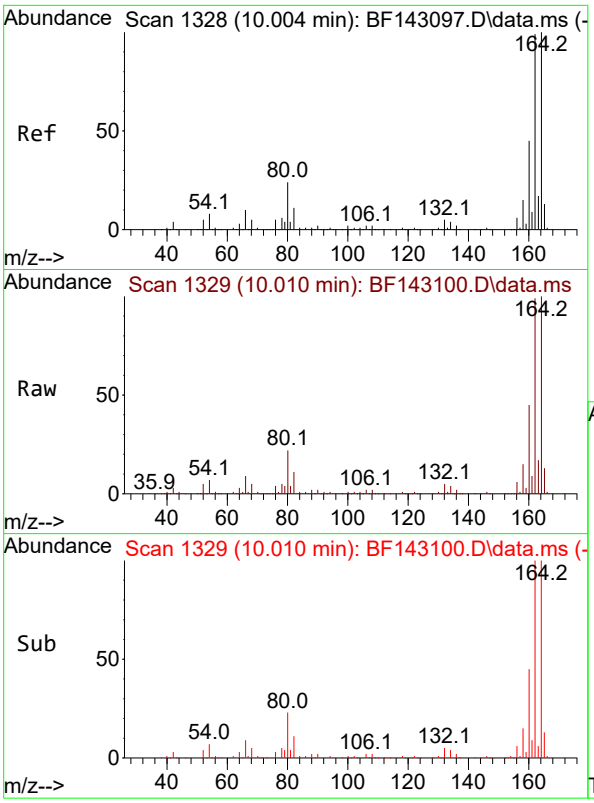




#38
1-Methylnaphthalene
Concen: 69.955 ng
RT: 9.063 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:142 Resp: 1047560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.7 | 72.2 | 108.4 |

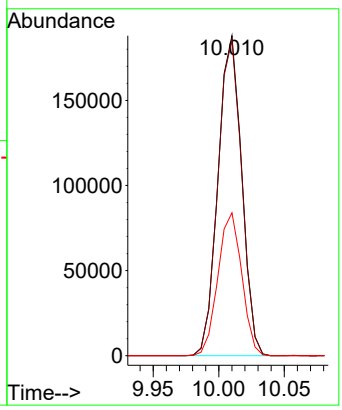





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.010 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:164 Resp: 23626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.7 | 79.0 | 118.6 |
| 160 | 44.7 | 35.8 | 53.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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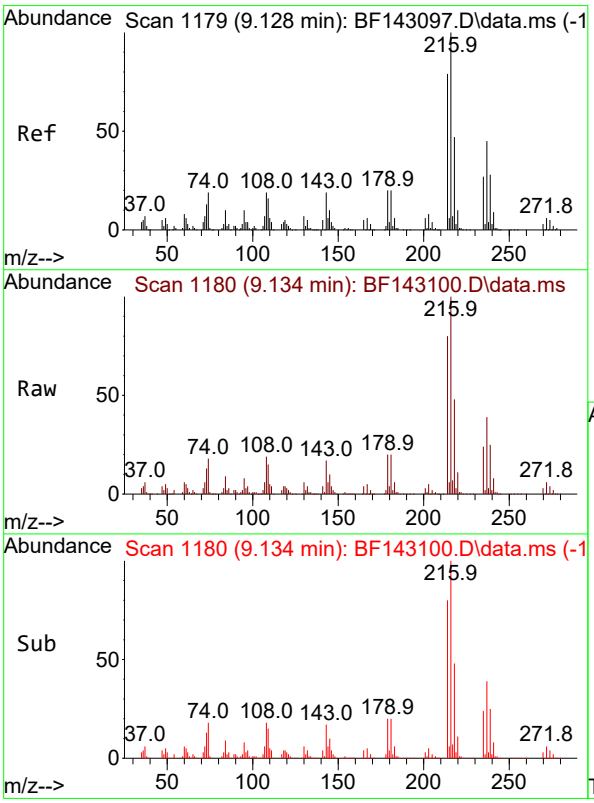
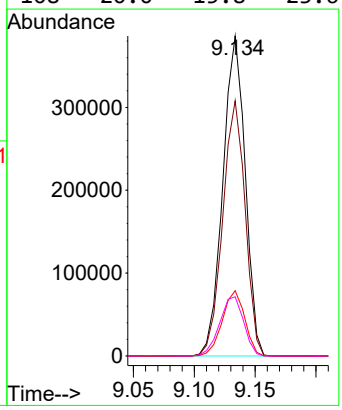
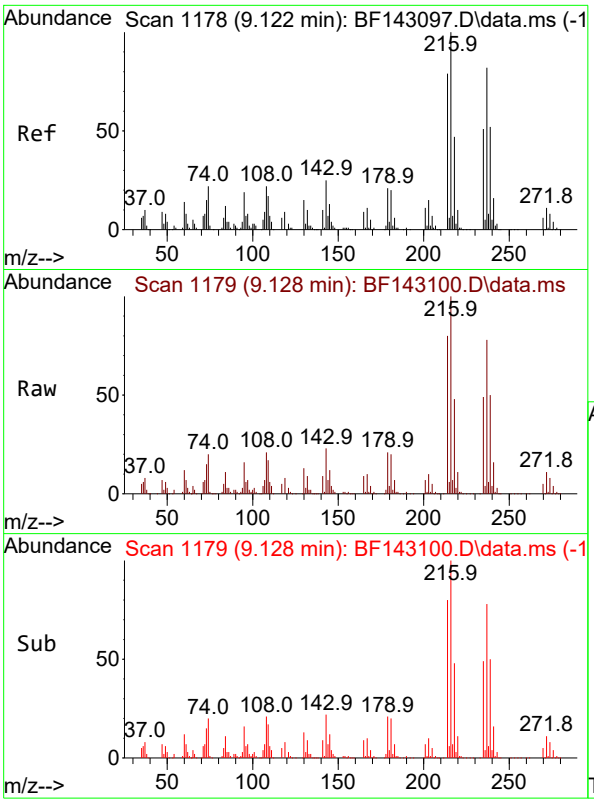



#40
1,2,4,5-Tetrachlorobenzene
Concen: 71.639 ng
RT: 9.134 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:216 Resp: 493246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.8 | 62.6 | 94.0 |
| 179 | 20.5 | 16.2 | 24.2 |
| 108 | 20.0 | 15.8 | 23.6 |






#41
Hexachlorocyclopentadiene
Concen: 85.103 ng
RT: 9.128 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:237 Resp: 32486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.7 | 41.6 | 81.6 |
| 272 | 13.8 | 0.0 | 32.9 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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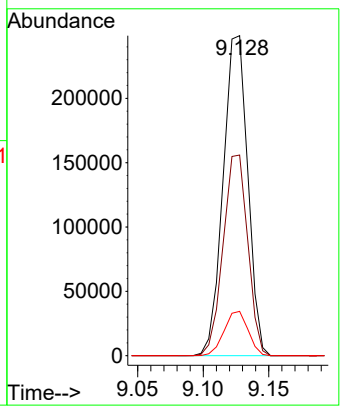
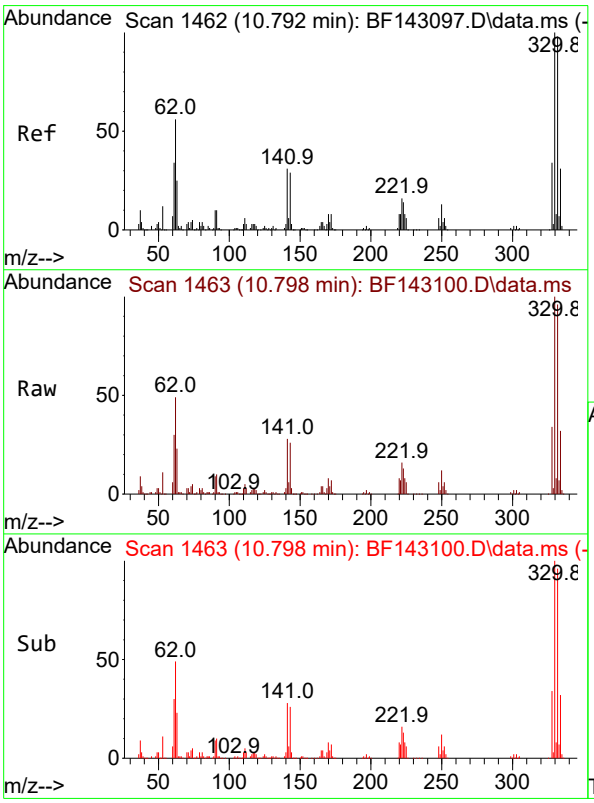
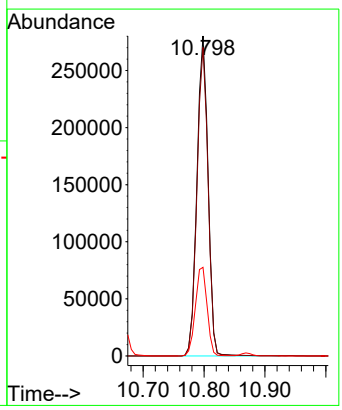


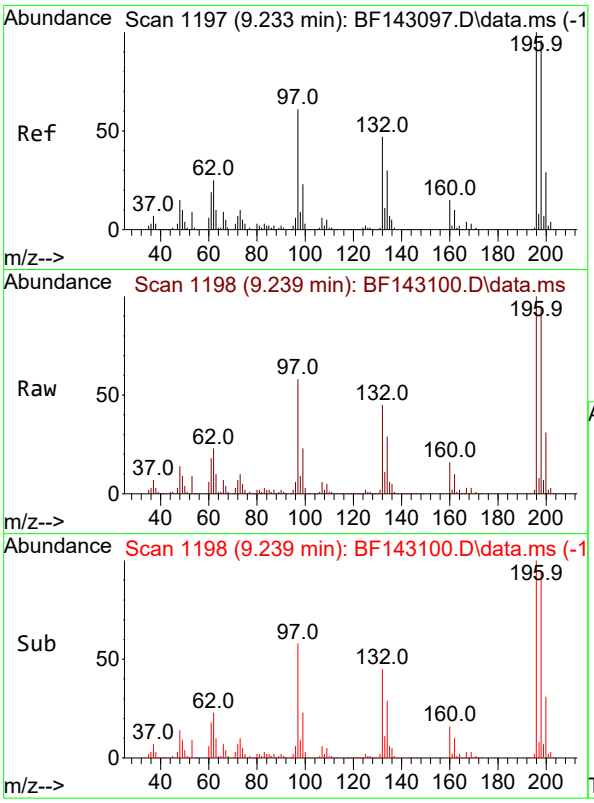




#42
2,4,6-Tribromophenol
Concen: 168.911 ng
RT: 10.798 min Scan# 1463
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:330 Resp: 355830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.3 | 77.9 | 116.9 |
| 141 | 29.2 | 25.9 | 38.9 |

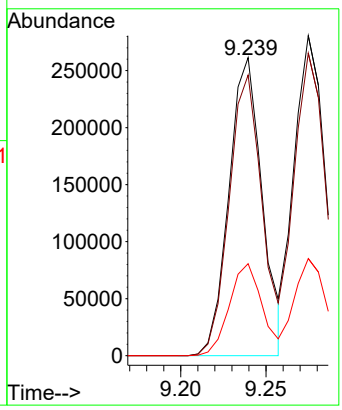





#43
2,4,6-Trichlorophenol
Concen: 83.176 ng
RT: 9.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:196 Resp: 35583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.1 | 76.9 | 115.3 |
| 200 | 30.9 | 23.5 | 35.3 |




**Instrument :**
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**ClientSampleId :**
SSTDICC080

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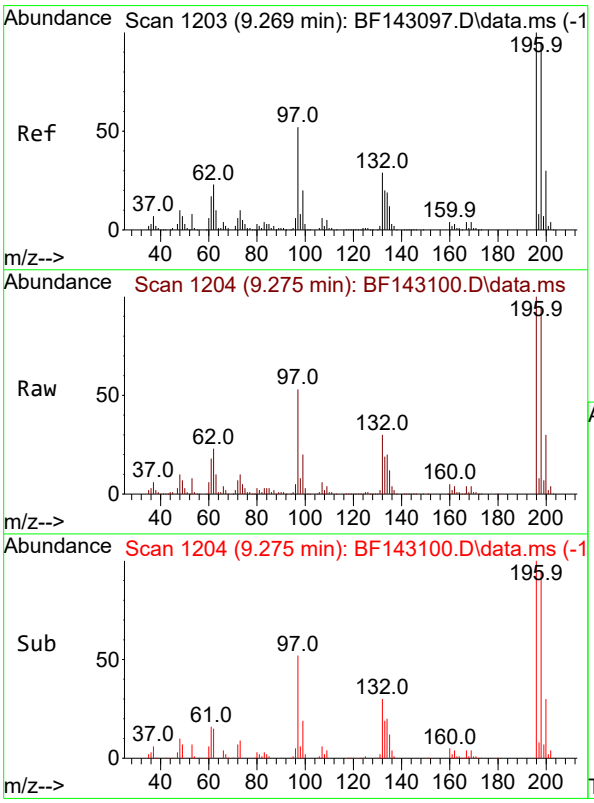
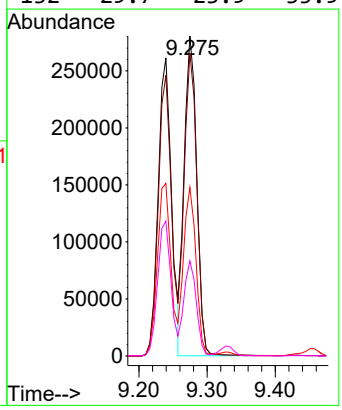
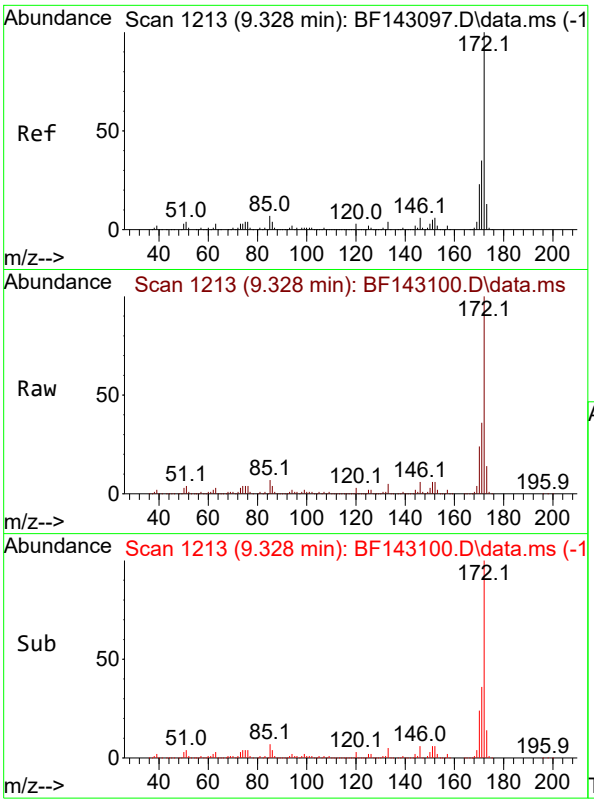



#44
2,4,5-Trichlorophenol
Concen: 79.651 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:196 Resp: 357298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.5 | 76.4 | 114.6 |
| 97 | 52.7 | 42.4 | 63.6 |
| 132 | 29.7 | 23.9 | 35.9 |

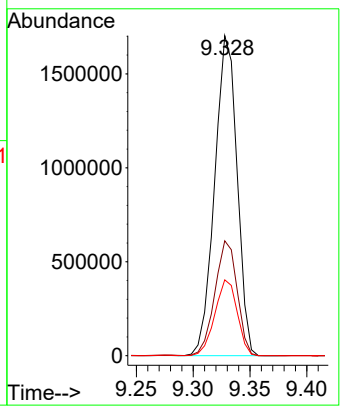





#45
2-Fluorobiphenyl
Concen: 131.609 ng
RT: 9.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:172 Resp: 233915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.9 | 28.2 | 42.4 |
| 170 | 23.7 | 18.6 | 28.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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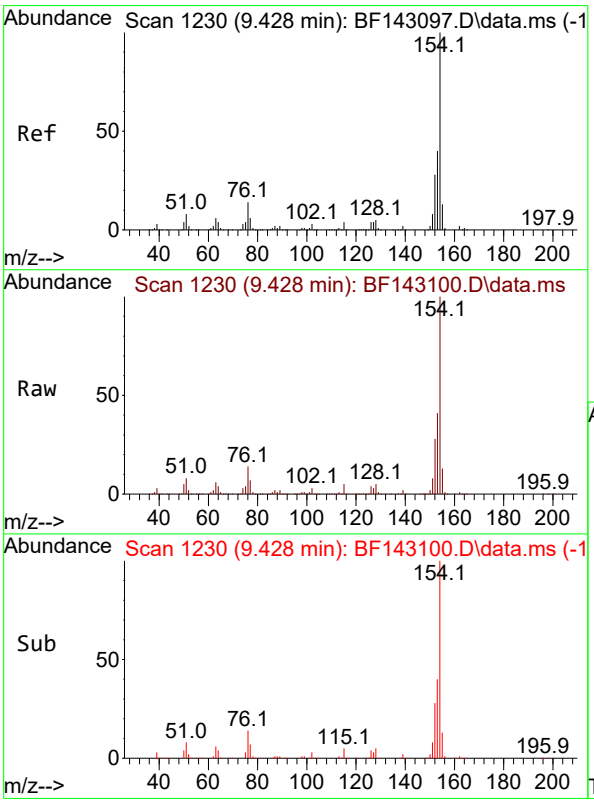
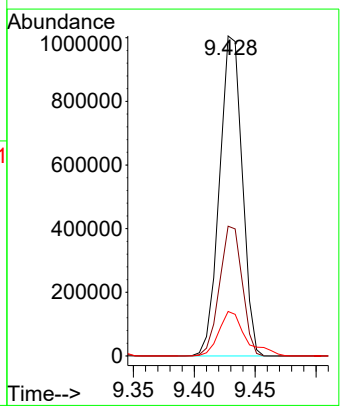
Supervised By :Jagrut Upadhyay 07/16/2025

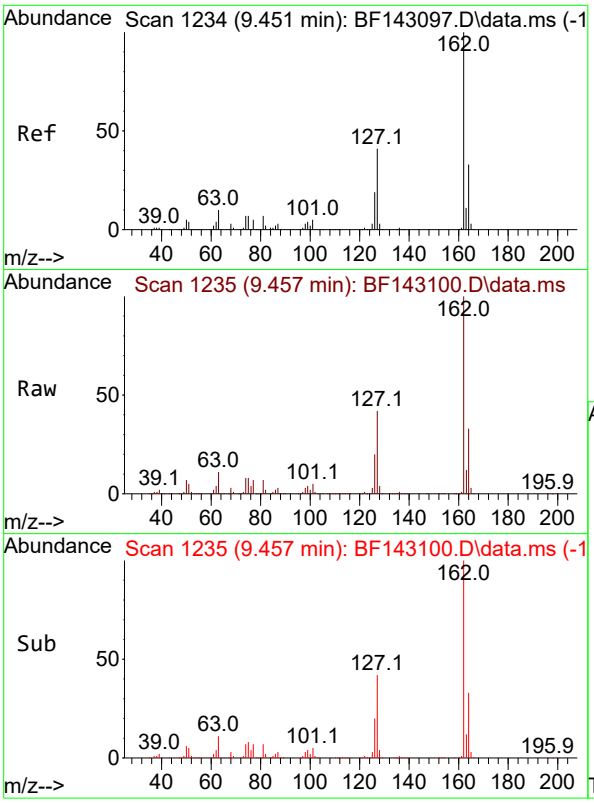



#46
1,1'-Biphenyl
Concen: 69.419 ng
RT: 9.428 min Scan# 1230
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:154 Resp: 1307947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.6 | 20.1 | 60.1 |
| 76 | 13.9 | 0.0 | 33.7 |

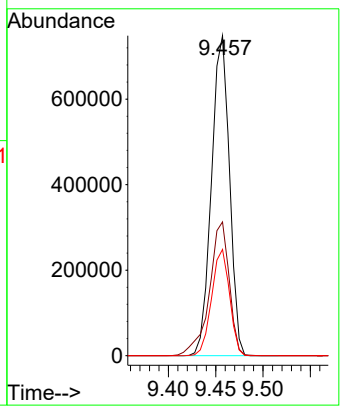





#47
2-Chloronaphthalene
Concen: 71.557 ng
RT: 9.457 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:162 Resp: 99043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.8 | 33.0 | 49.6 |
| 164 | 33.2 | 26.1 | 39.1 |




**Instrument :**
BNA_F
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SSTDICC080

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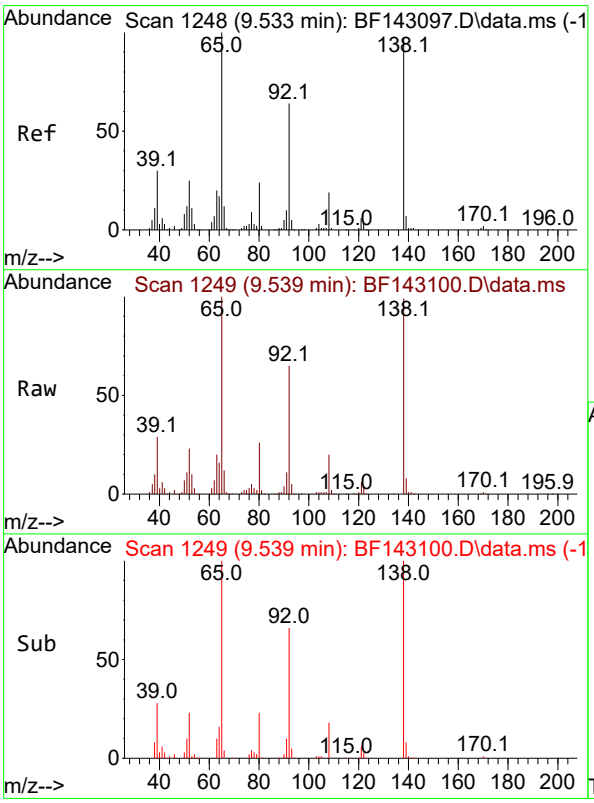
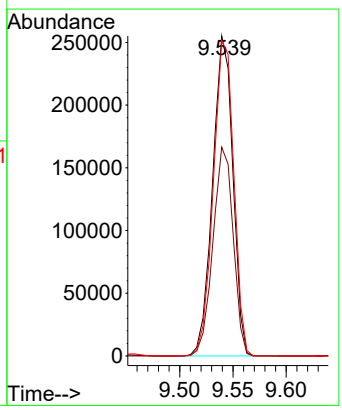
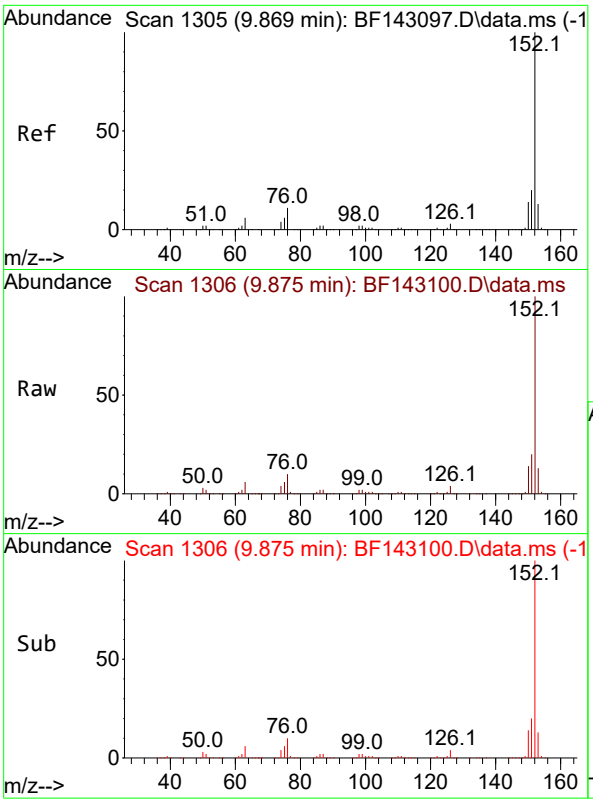



#48
2-Nitroaniline
Concen: 79.074 ng
RT: 9.539 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 65 Resp: 335875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 65.2 | 51.3 | 76.9 |
| 138 | 98.6 | 77.8 | 116.6 |

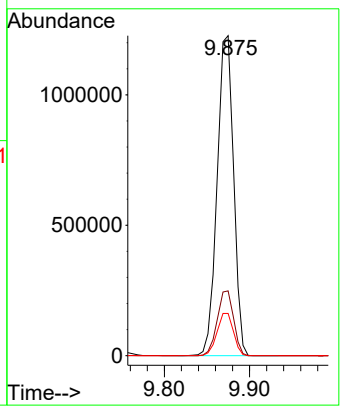





#49
Acenaphthylene
Concen: 71.544 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:152 Resp: 165097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.2 | 15.8 | 23.8 |
| 153 | 13.2 | 10.4 | 15.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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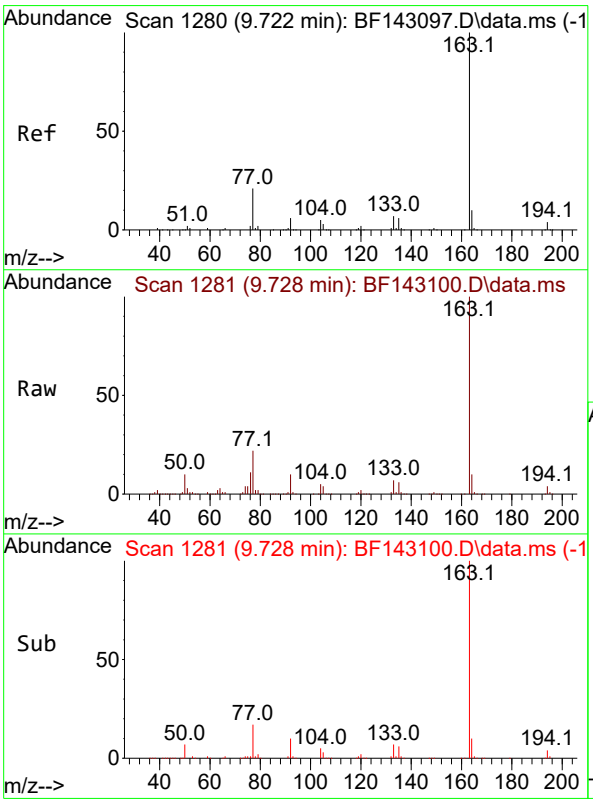
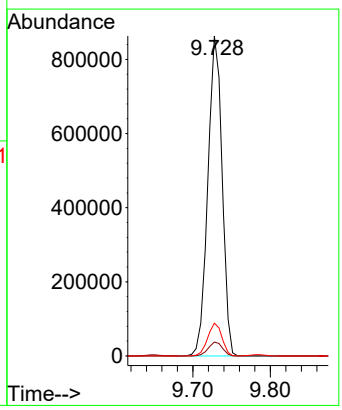
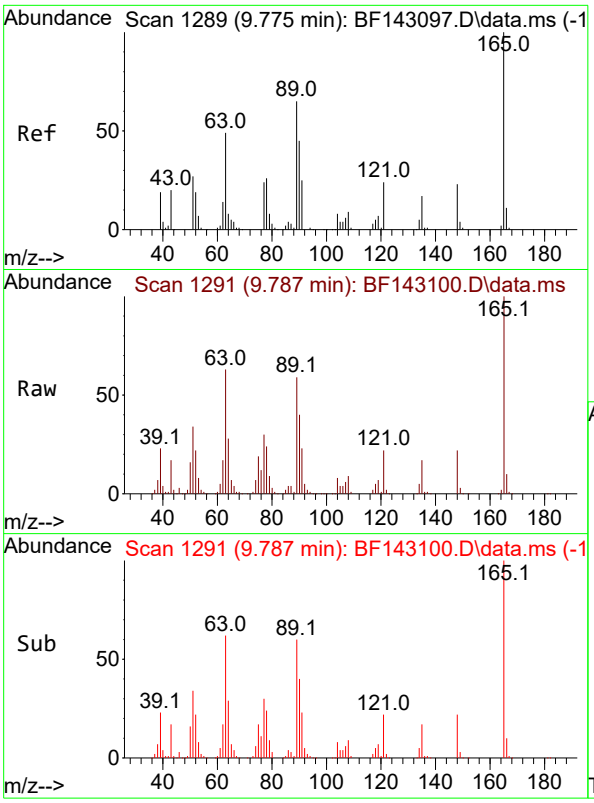



#50
Dimethylphthalate
Concen: 74.327 ng
RT: 9.728 min Scan# 1281
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:163 Resp: 1104756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.4 | 3.4 | 5.2 |
| 164 | 10.3 | 8.2 | 12.2 |

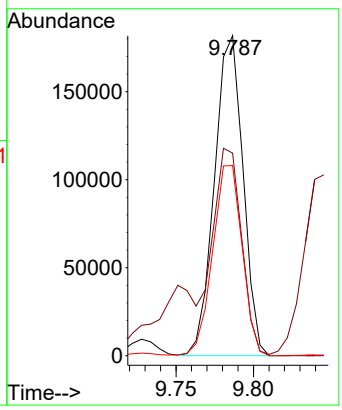





#51
2,6-Dinitrotoluene
Concen: 77.660 ng
RT: 9.787 min Scan# 1
Delta R.T. 0.011 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:165 Resp: 23347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 63.3 | 57.4 | 86.0 |
| 89 | 59.4 | 51.8 | 77.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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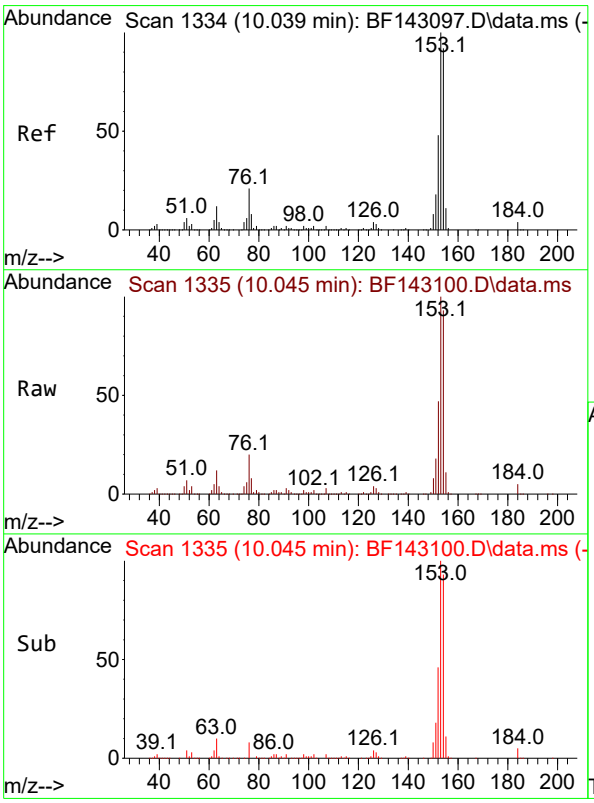
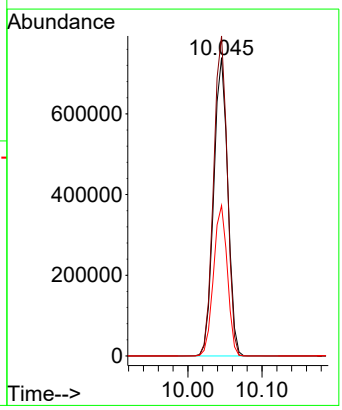
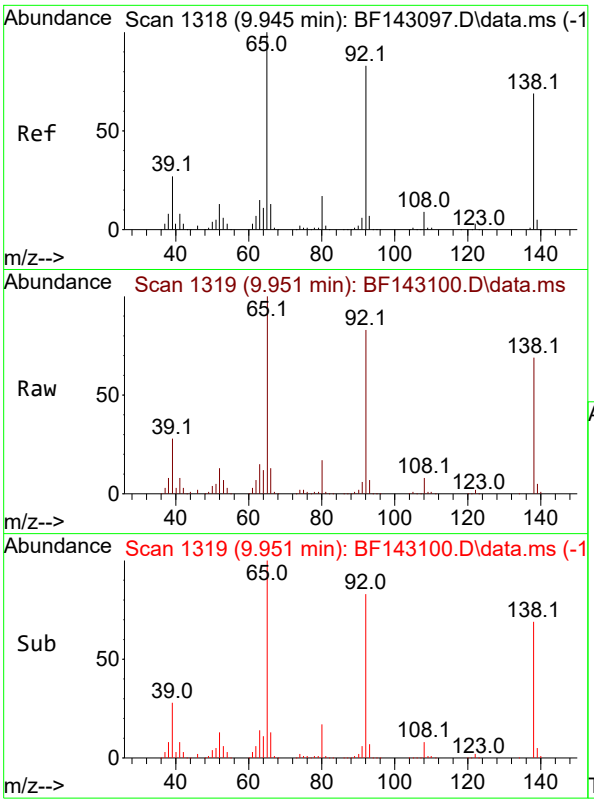



#52
Acenaphthene
Concen: 71.657 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:154 Resp: 975285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 107.3 | 86.7 | 130.1 |
| 152 | 50.5 | 41.4 | 62.2 |

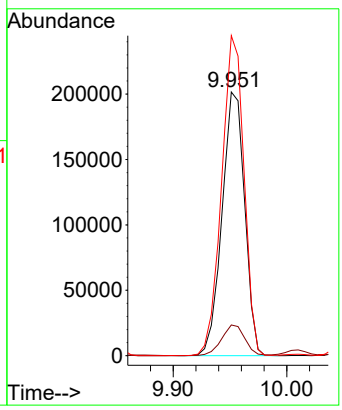





#53
3-Nitroaniline
Concen: 86.920 ng
RT: 9.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:138 Resp: 27916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.6 | 10.1 | 15.1 |
| 92 | 121.4 | 96.4 | 144.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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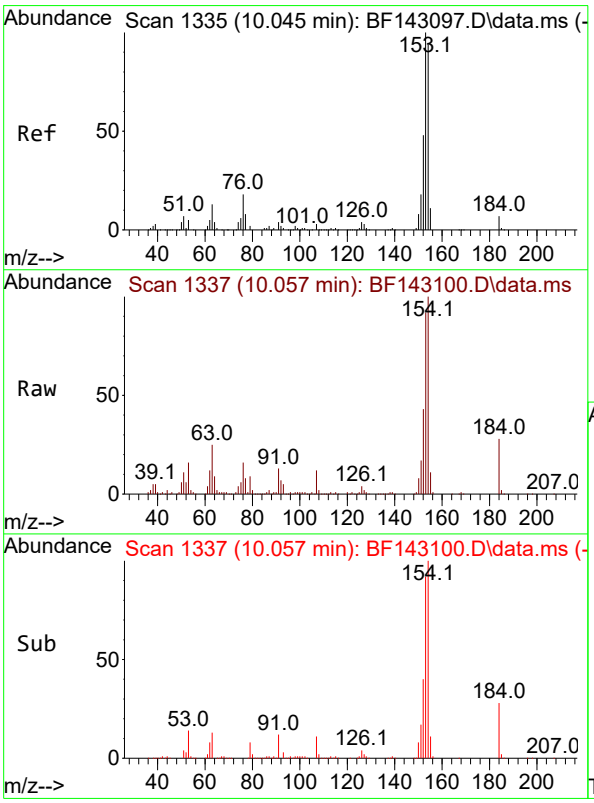
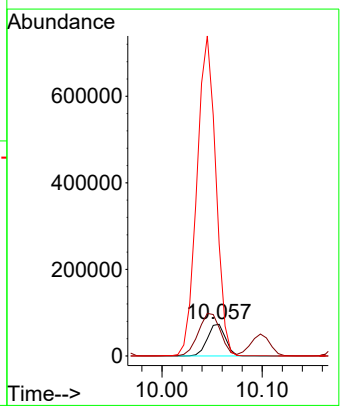
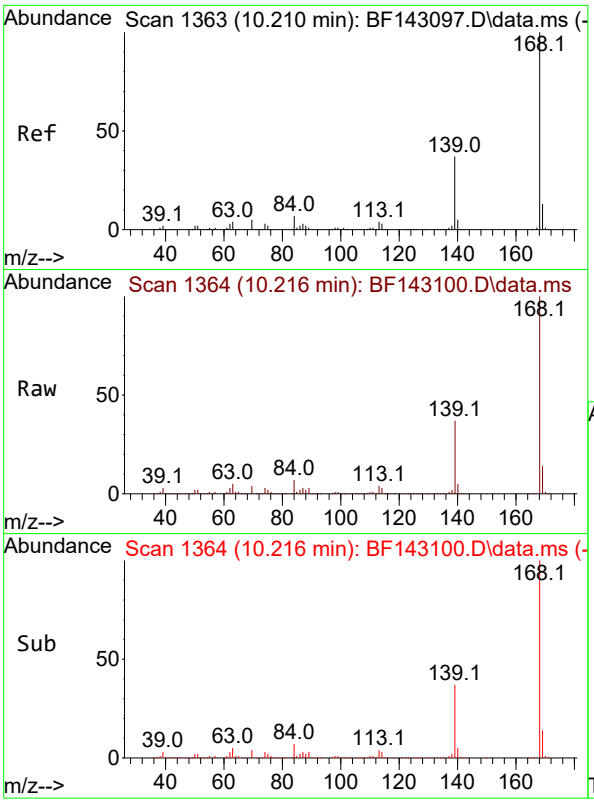



#54
2,4-Dinitrophenol
Concen: 79.064 ng
RT: 10.057 min Scan# 1337
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:184 Resp: 91751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 89.3 | 149.3 | 223.9# |
| 154 | 352.7 | 1048.0 | 1572.0# |

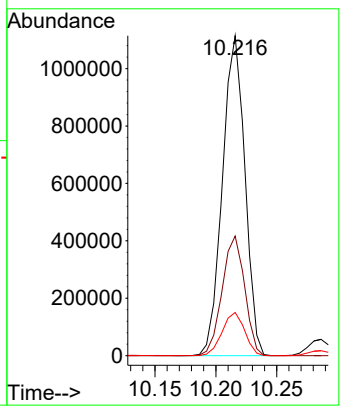





#55
Dibenzofuran
Concen: 70.610 ng
RT: 10.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:168 Resp: 143245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.4 | 29.8 | 44.6 |
| 169 | 13.5 | 10.8 | 16.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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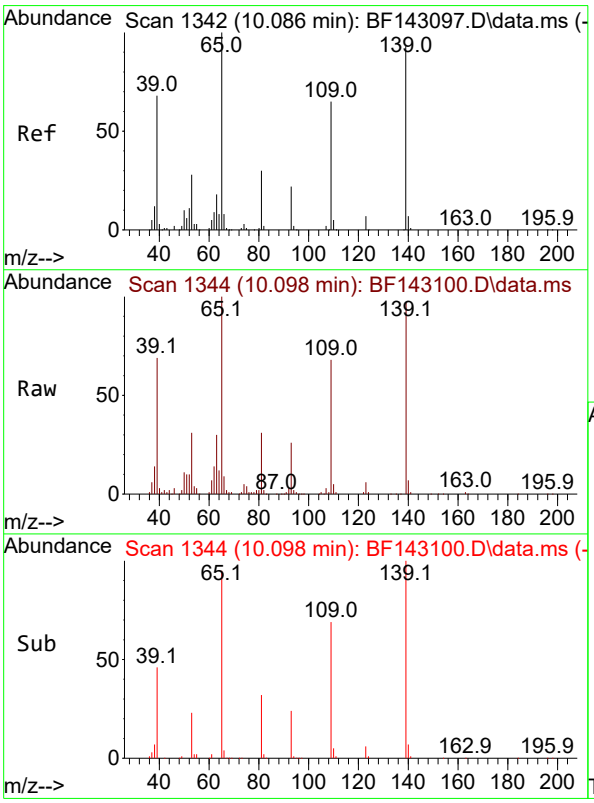
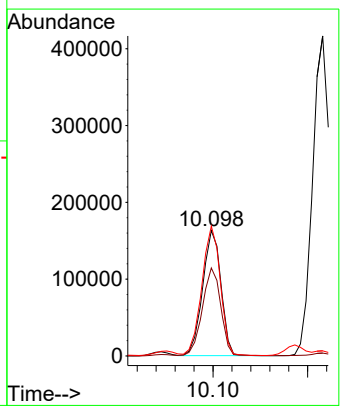
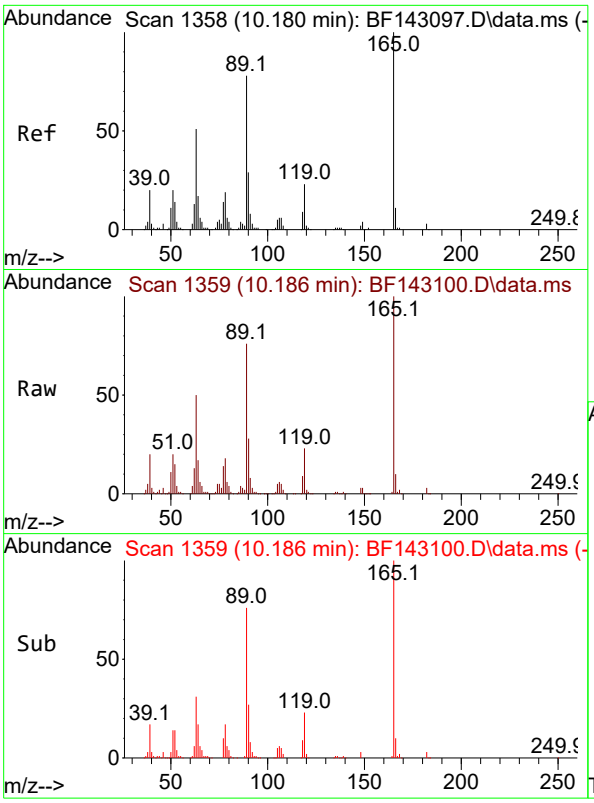



#56
4-Nitrophenol
Concen: 85.886 ng
RT: 10.098 min Scan# 1344
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:139 Resp: 219224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 70.2 | 49.4 | 89.4 |
| 65 | 103.6 | 88.2 | 128.2 |

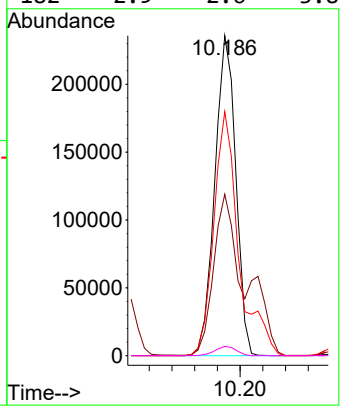





#57
2,4-Dinitrotoluene
Concen: 80.048 ng
RT: 10.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:165 Resp: 30255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 50.4 | 40.6 | 61.0 |
| 89 | 76.3 | 62.3 | 93.5 |
| 182 | 2.9 | 2.6 | 3.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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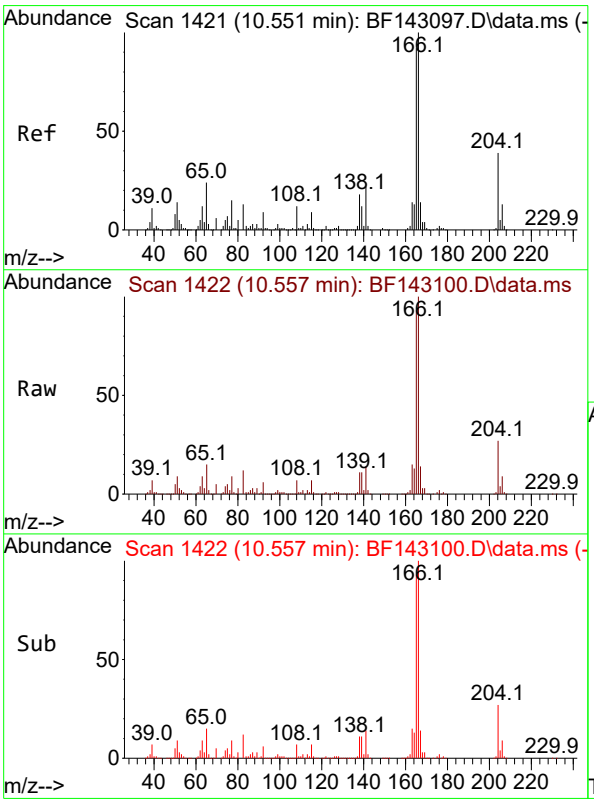
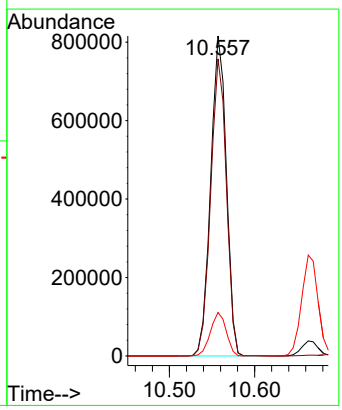
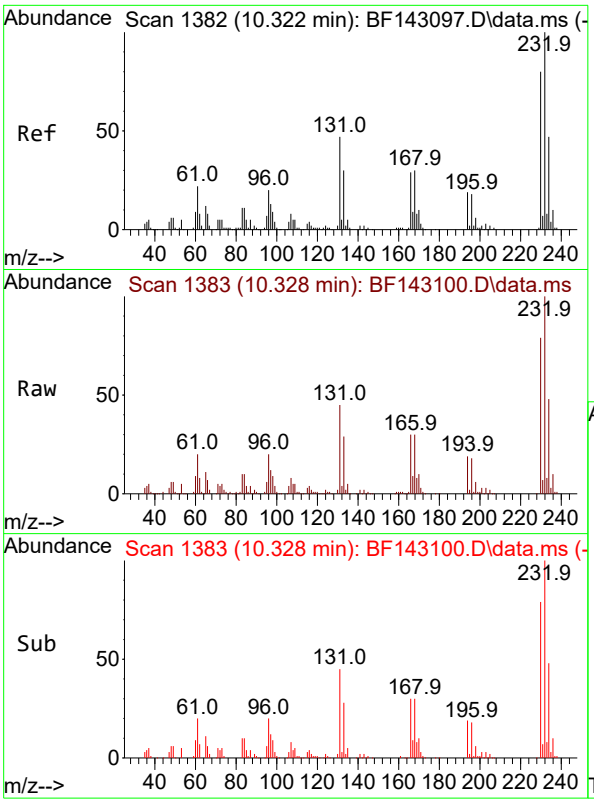



#58
Fluorene
Concen: 68.640 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:166 Resp: 1043990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 92.9 | 73.7 | 110.5 |
| 167 | 13.6 | 10.9 | 16.3 |

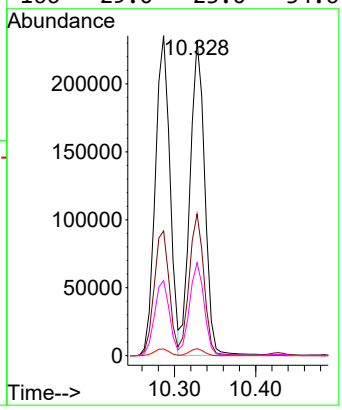





#59
2,3,4,6-Tetrachlorophenol
Concen: 81.893 ng
RT: 10.328 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:232 Resp: 29193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 44.7 | 36.9 | 55.3 |
| 130 | 2.2 | 1.8 | 2.8 |
| 166 | 29.0 | 23.0 | 34.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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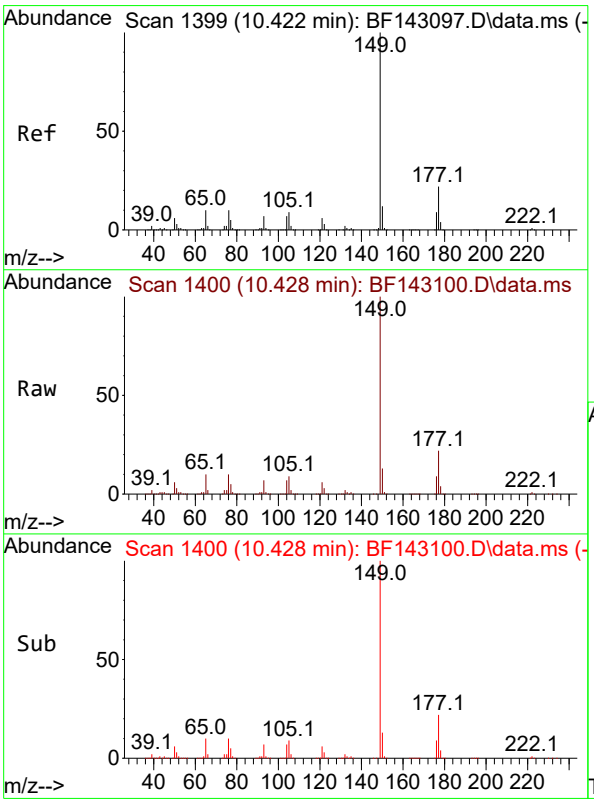
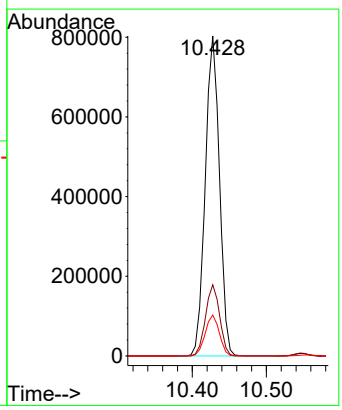
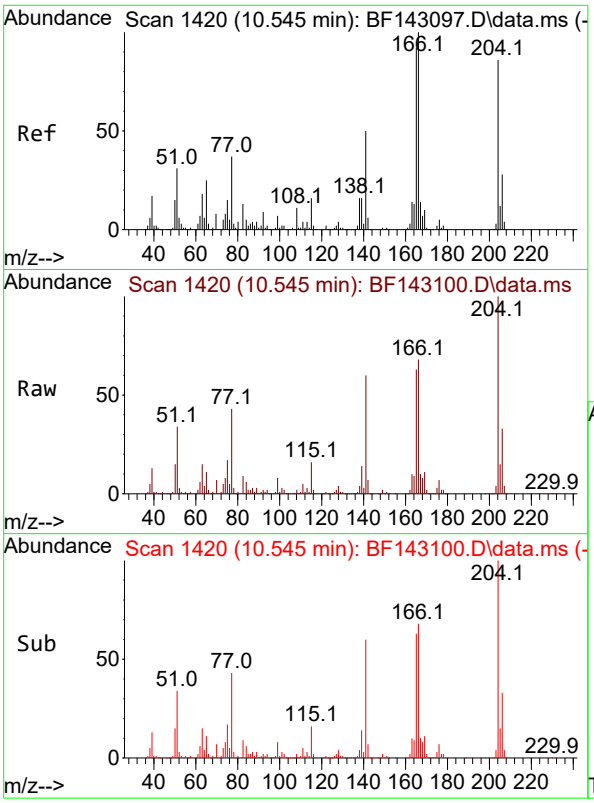



#60
Diethylphthalate
Concen: 74.464 ng
RT: 10.428 min Scan# 1400
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:149 Resp: 1067815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.2 | 17.3 | 25.9 |
| 150 | 12.8 | 9.9 | 14.9 |

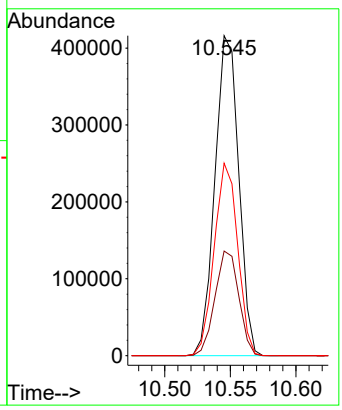





#61
4-Chlorophenyl-phenylether
Concen: 72.005 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:204 Resp: 52491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.7 | 25.8 | 38.6 |
| 141 | 60.2 | 46.8 | 70.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
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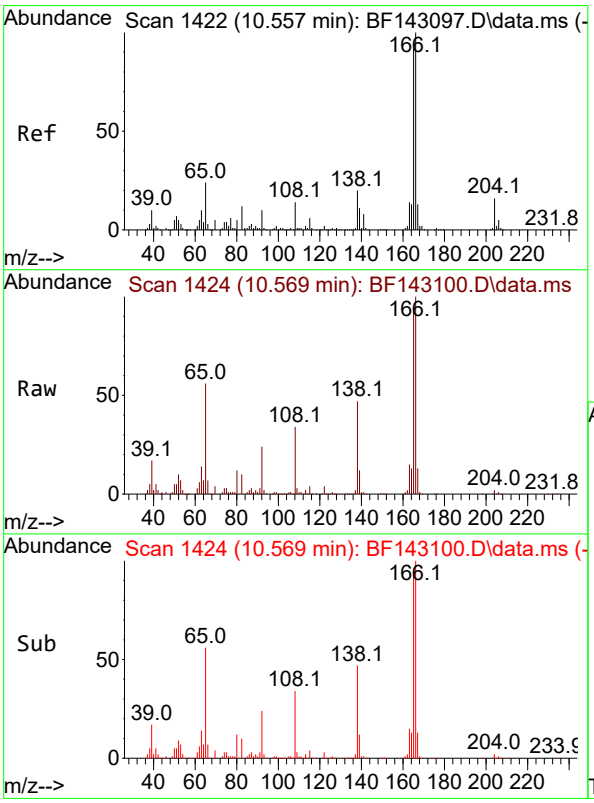
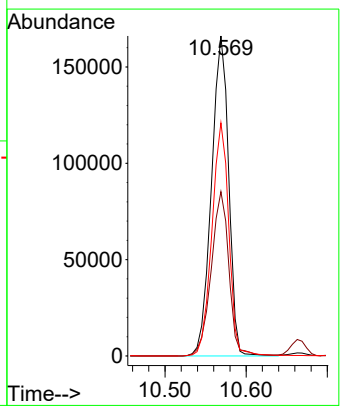
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

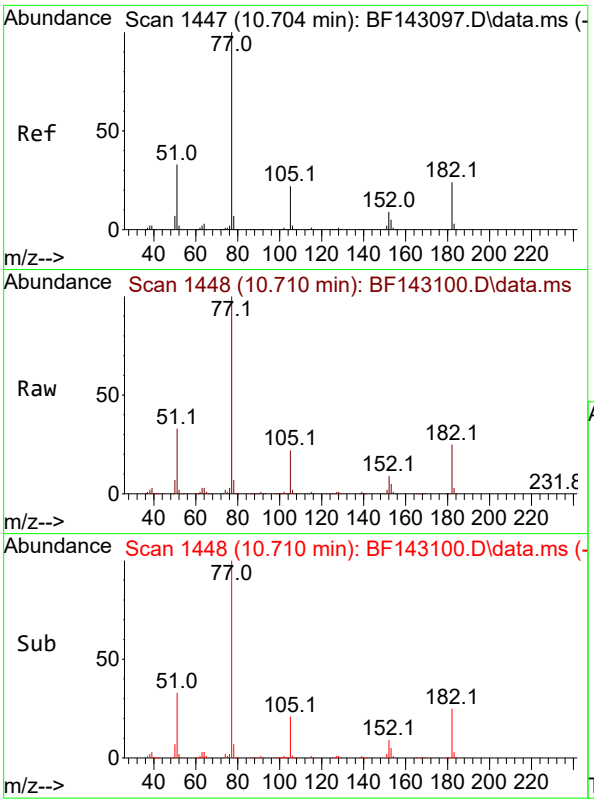



#62
4-Nitroaniline
Concen: 87.527 ng
RT: 10.569 min Scan# 1424
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:138 Resp: 244461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 51.4 | 30.4 | 70.4 |
| 108 | 72.9 | 49.5 | 89.5 |






#63
Azobenzene
Concen: 71.985 ng
RT: 10.710 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

Tgt Ion: 77 Resp: 114161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.4 | 4.0 | 44.0 |
| 105 | 21.7 | 1.4 | 41.4 |
| 51 | 33.3 | 14.3 | 54.3 |

**Manual Integrations**
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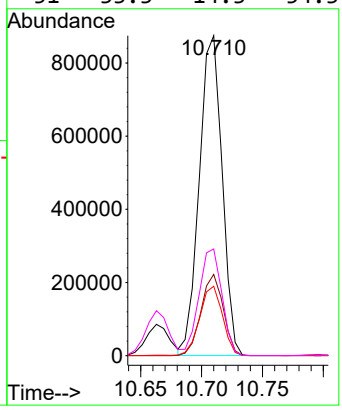
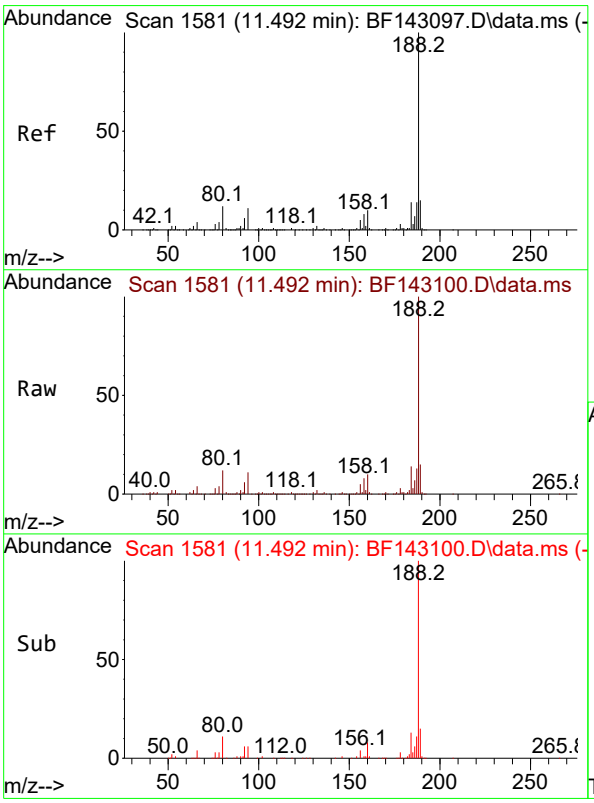
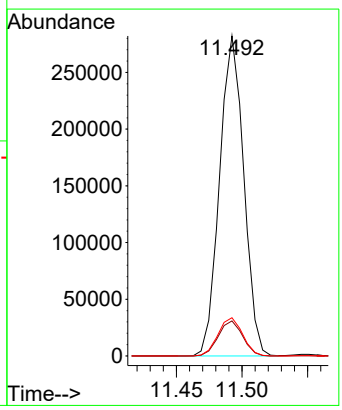


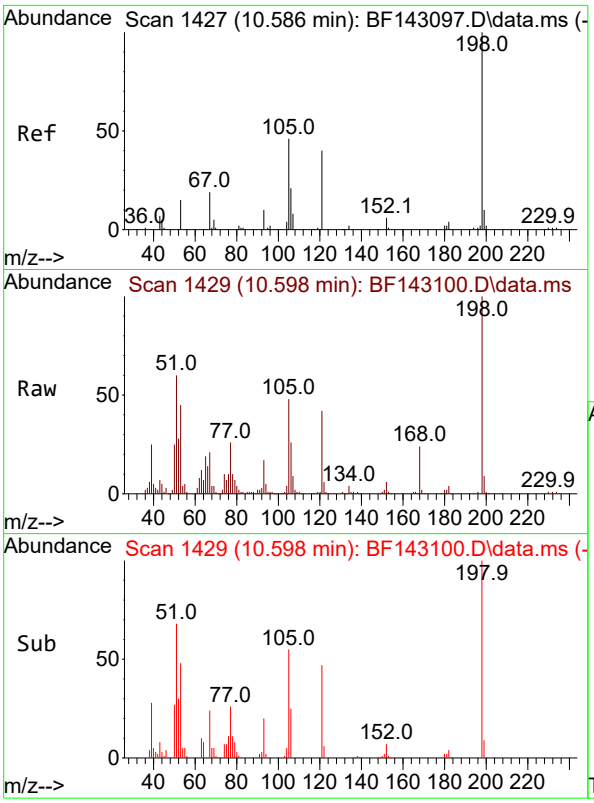




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:188 Resp: 362117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.0 | 8.6 | 13.0 |
| 80 | 12.0 | 9.3 | 13.9 |

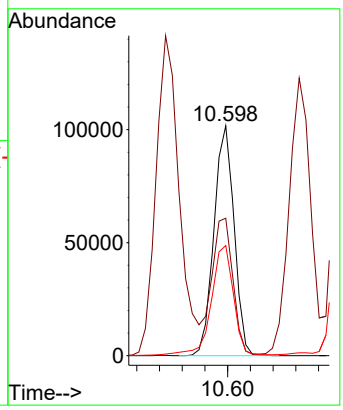





#65
4,6-Dinitro-2-methylphenol
Concen: 78.600 ng
RT: 10.598 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:198 Resp: 12525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 59.8 | 44.6 | 84.6 |
| 105 | 47.9 | 29.3 | 69.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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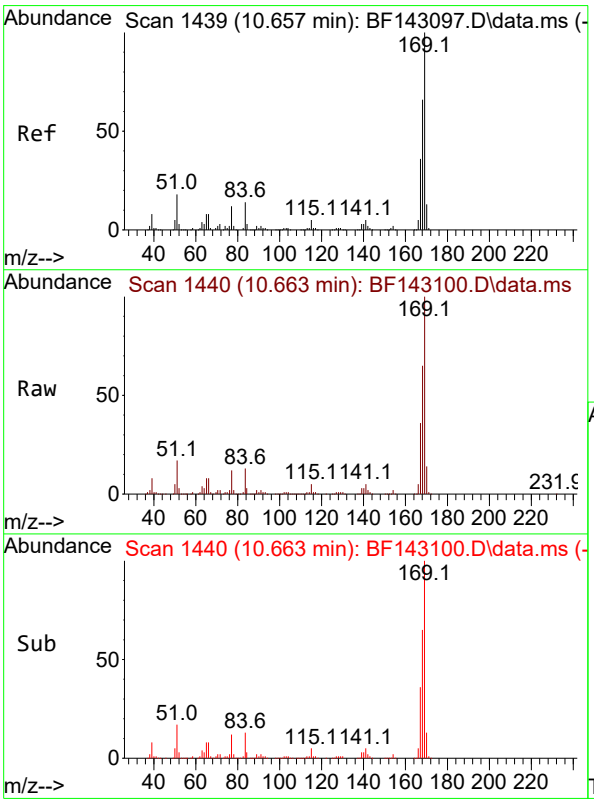
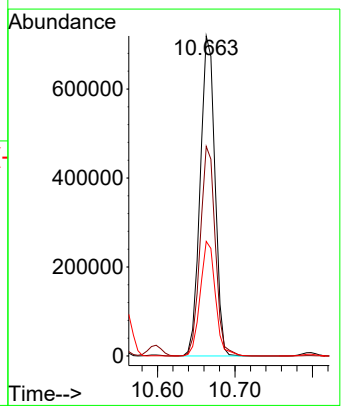
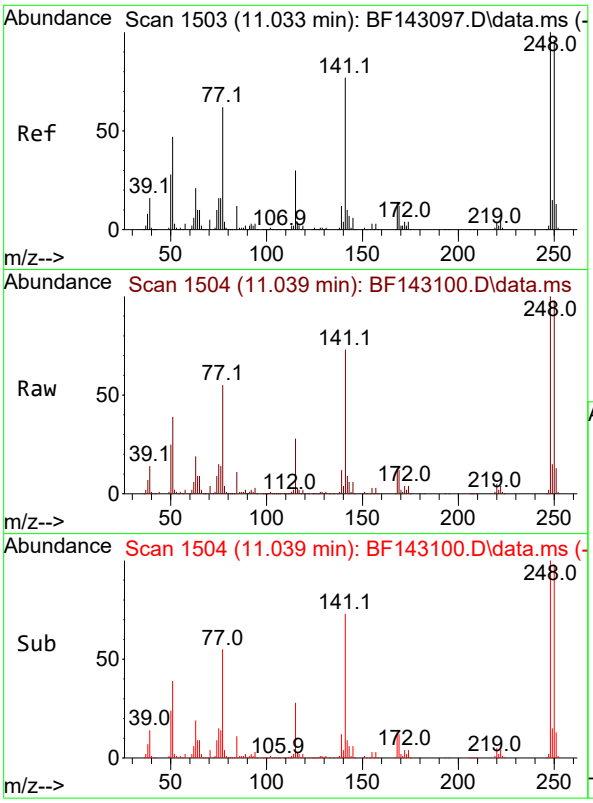



#66
n-Nitrosodiphenylamine
Concen: 74.520 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:169 Resp: 947890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.5 | 53.0 | 79.6 |
| 167 | 35.8 | 28.4 | 42.6 |

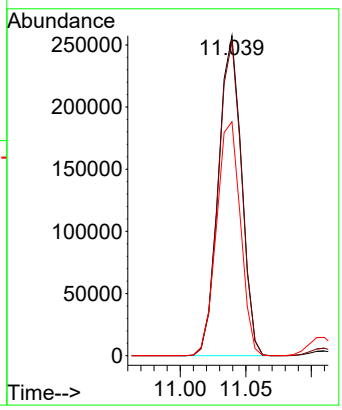





#67
4-Bromophenyl-phenylether
Concen: 76.885 ng
RT: 11.039 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:248 Resp: 31661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.3 | 76.7 | 115.1 |
| 141 | 73.1 | 61.7 | 92.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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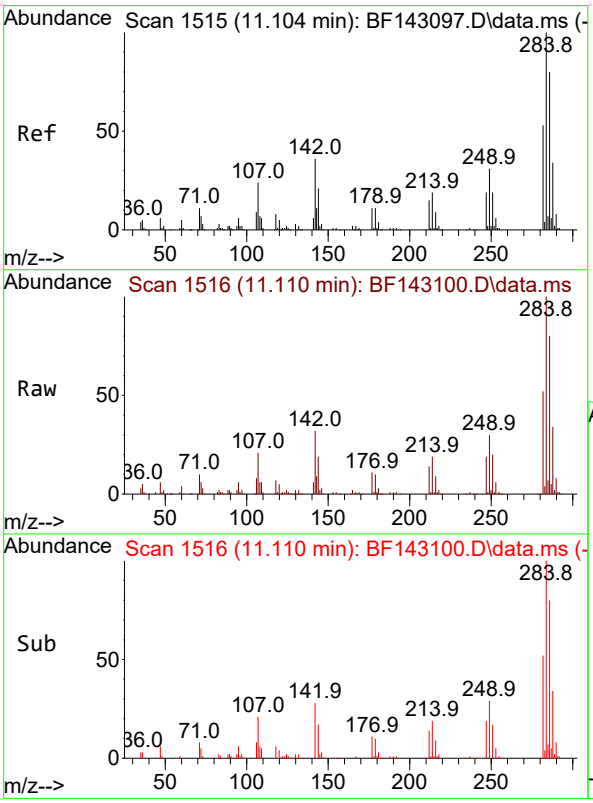
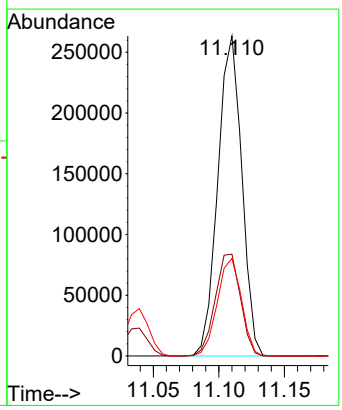
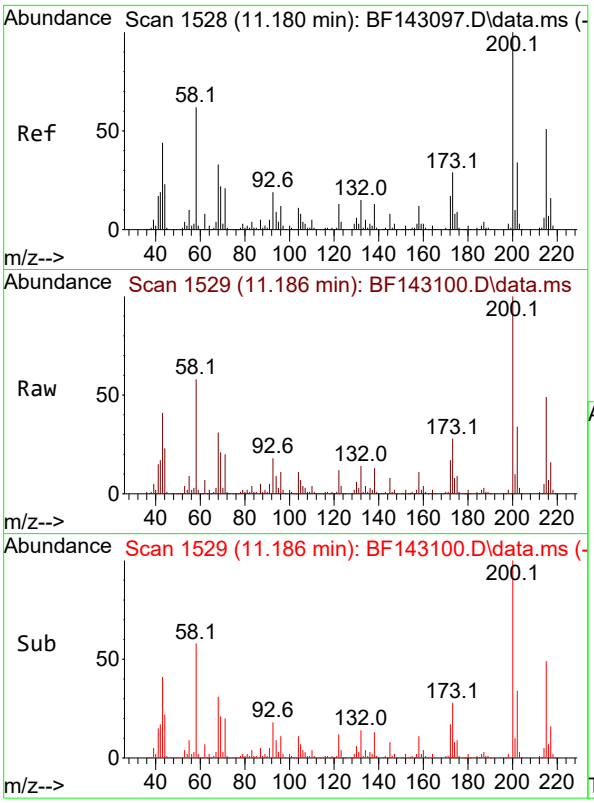



#68
Hexachlorobenzene
Concen: 76.417 ng
RT: 11.110 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:284 Resp: 333899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.8 | 28.9 | 43.3 |
| 249 | 30.5 | 24.6 | 37.0 |

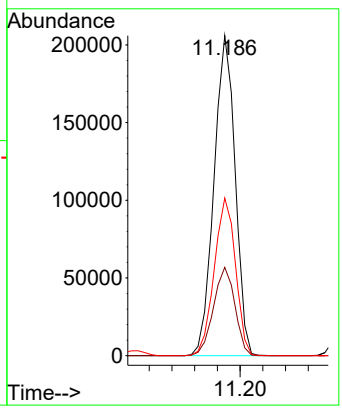





#69
Atrazine
Concen: 81.943 ng
RT: 11.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:200 Resp: 26666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.6 | 9.1 | 49.1 |
| 215 | 49.2 | 31.0 | 71.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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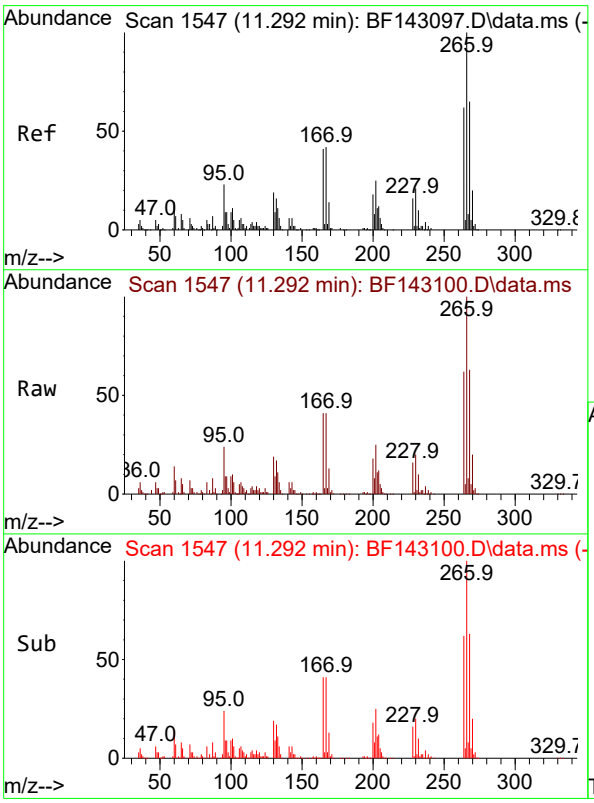
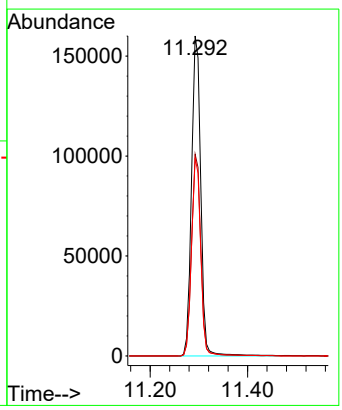
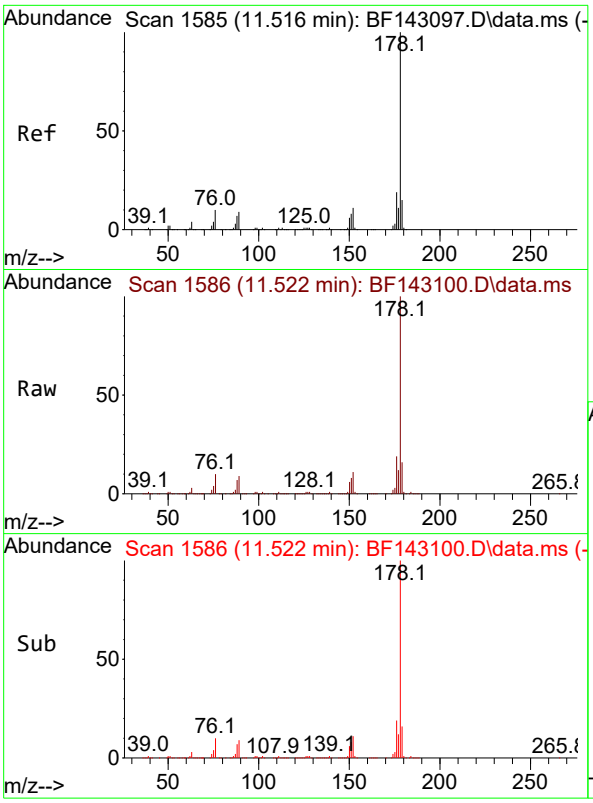



#70
Pentachlorophenol
Concen: 87.905 ng
RT: 11.292 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:266 Resp: 210729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.0 | 51.8 | 77.6 |
| 264 | 61.8 | 49.7 | 74.5 |

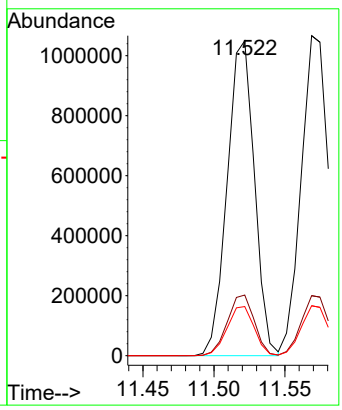





#71
Phenanthrene
Concen: 71.714 ng
RT: 11.522 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:178 Resp: 140150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.1 | 22.7 |
| 179 | 15.6 | 12.2 | 18.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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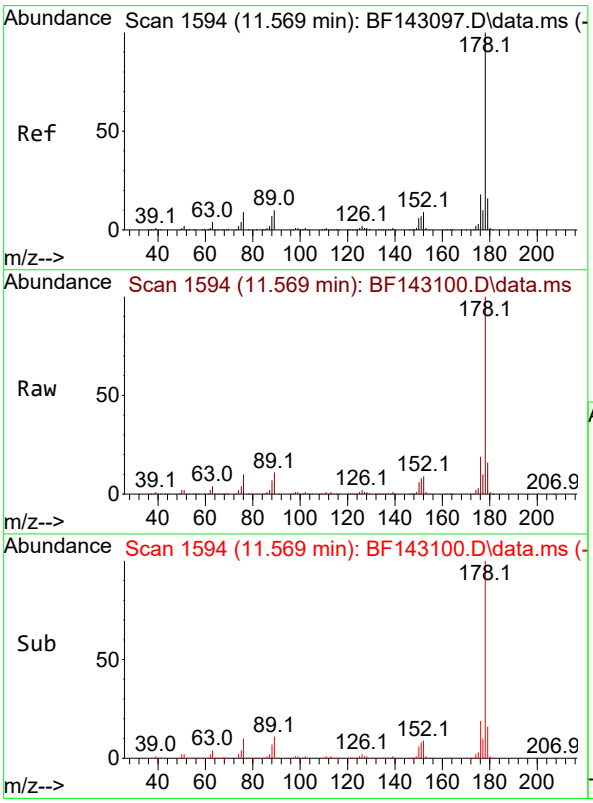
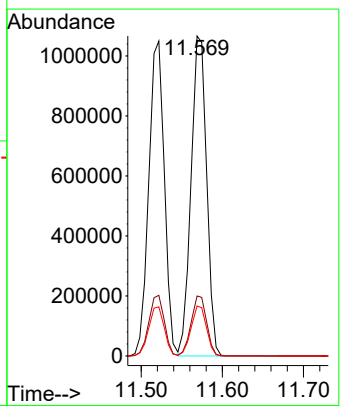
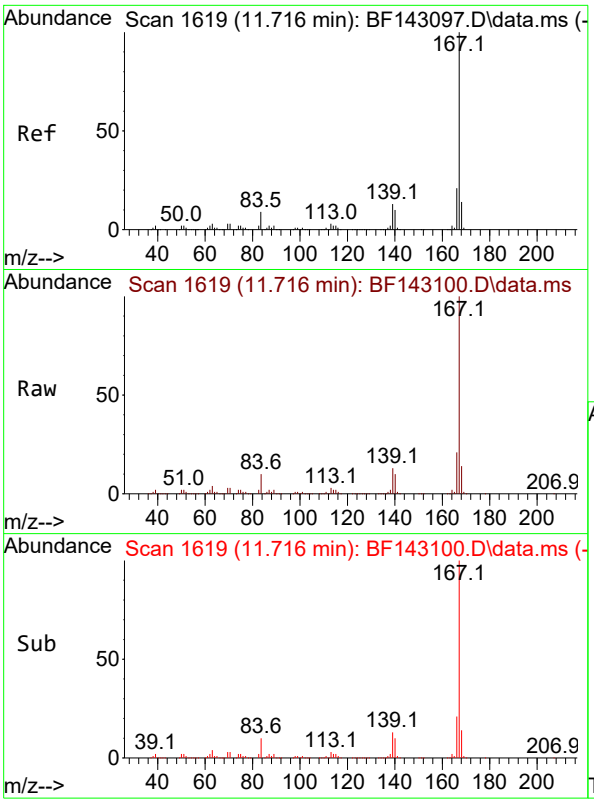



#72
Anthracene
Concen: 72.421 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:178 Resp: 1423259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 14.7 | 22.1 |
| 179 | 15.6 | 12.4 | 18.6 |

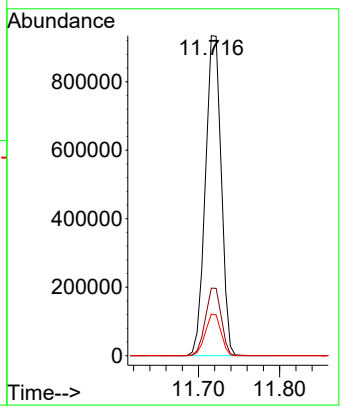





#73
Carbazole
Concen: 71.796 ng
RT: 11.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:167 Resp: 126405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.1 | 17.0 | 25.4 |
| 139 | 13.0 | 10.2 | 15.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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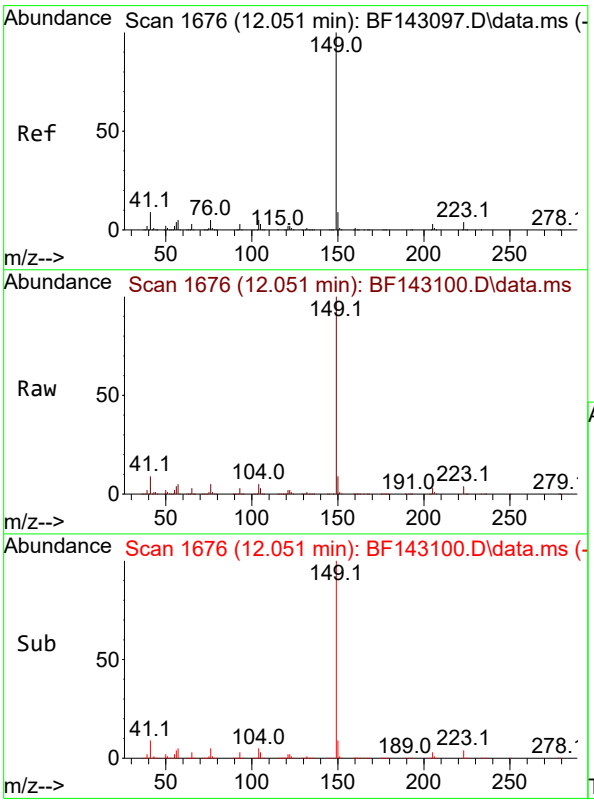
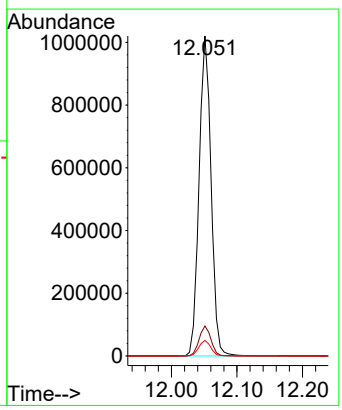
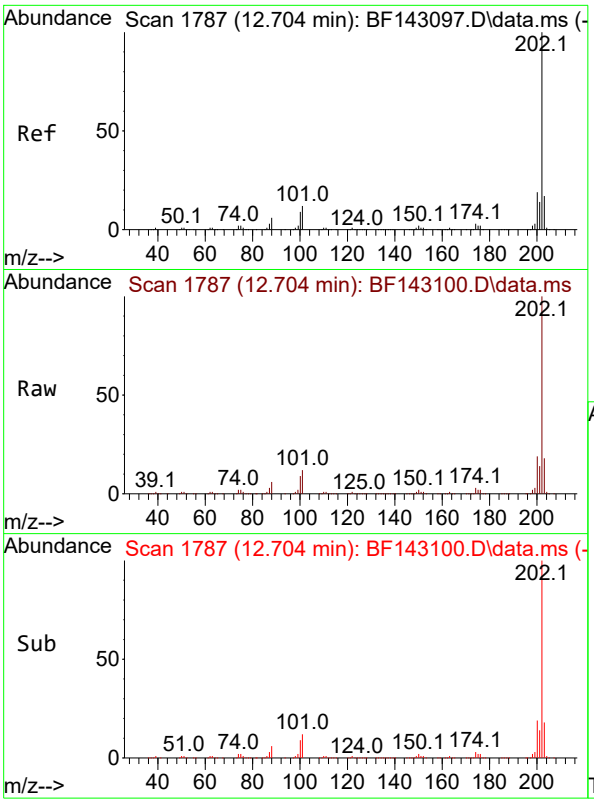



#74
Di-n-butylphthalate
Concen: 80.422 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:149 Resp: 1299711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.3 | 10.9 |
| 104 | 4.8 | 3.8 | 5.8 |






#75
Fluoranthene
Concen: 70.821 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:202 Resp: 125847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.1 | 0.0 | 32.4 |
| 203 | 17.9 | 0.0 | 37.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

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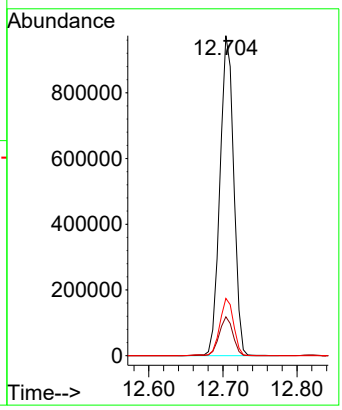
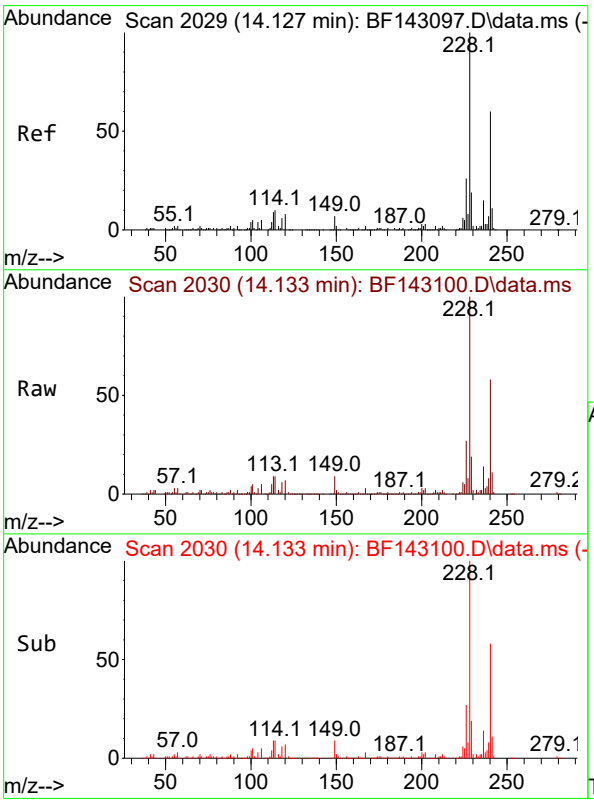
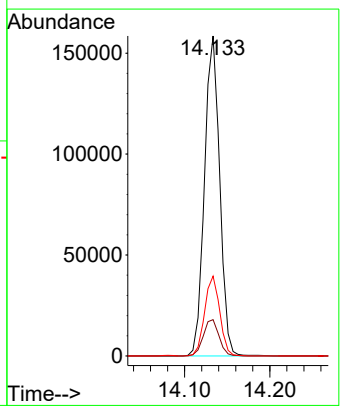


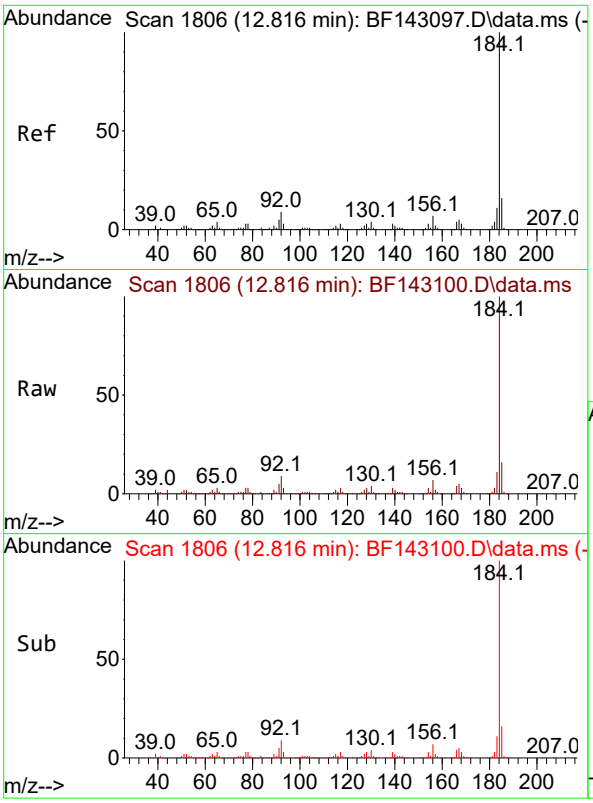




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:240 Resp: 196411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.3 | 10.0 | 15.0 |
| 236 | 25.0 | 20.0 | 30.0 |

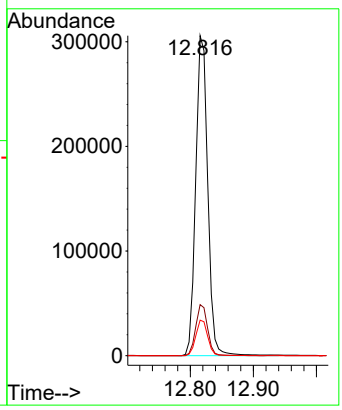





#77
Benzidine
Concen: 60.315 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:184 Resp: 40359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.9 | 12.4 | 18.6 |
| 183 | 11.1 | 8.6 | 12.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

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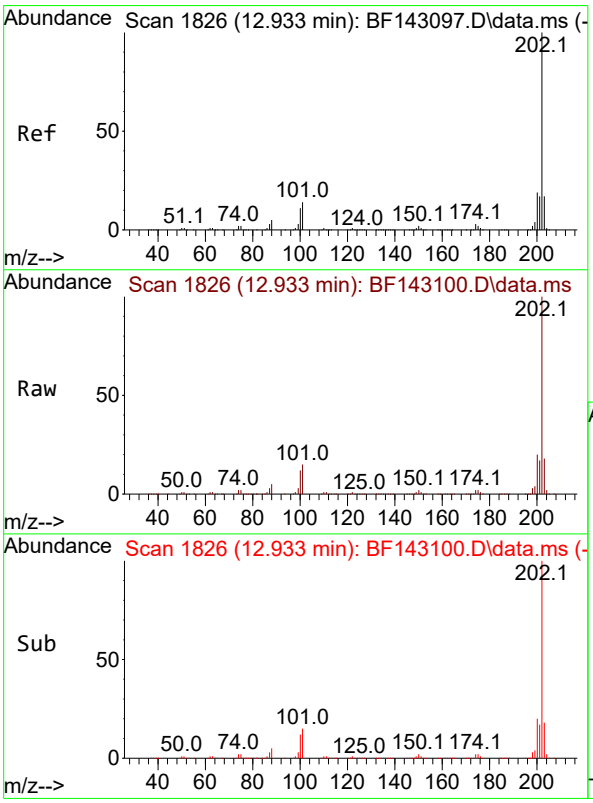
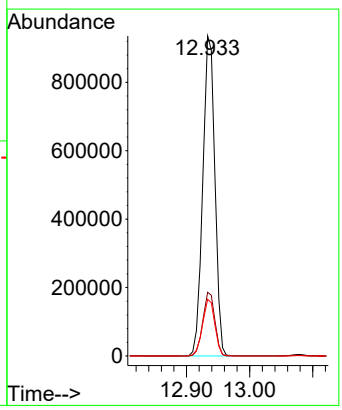
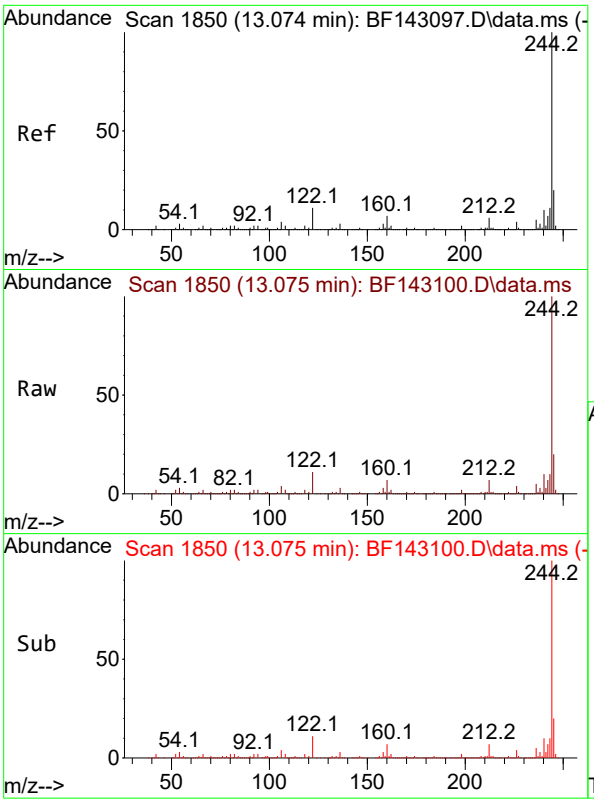



#78
Pyrene
Concen: 68.315 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:202 Resp: 1244953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.9 | 15.5 | 23.3 |
| 203 | 17.7 | 14.0 | 21.0 |

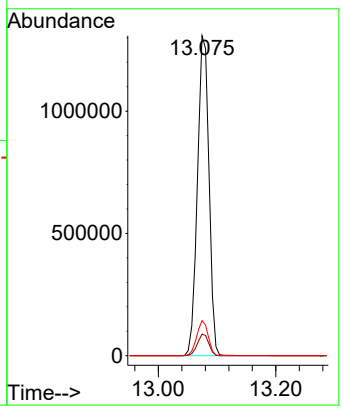





#79
Terphenyl-d14
Concen: 132.466 ng
RT: 13.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:244 Resp: 177982

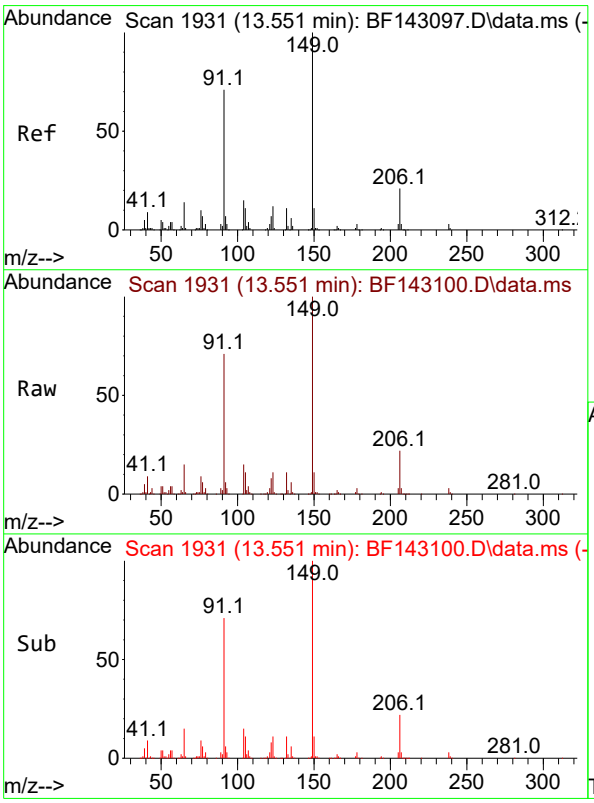
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.2 | 7.8 |
| 122 | 11.0 | 8.8 | 13.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

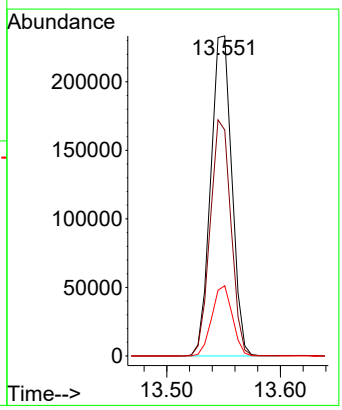
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

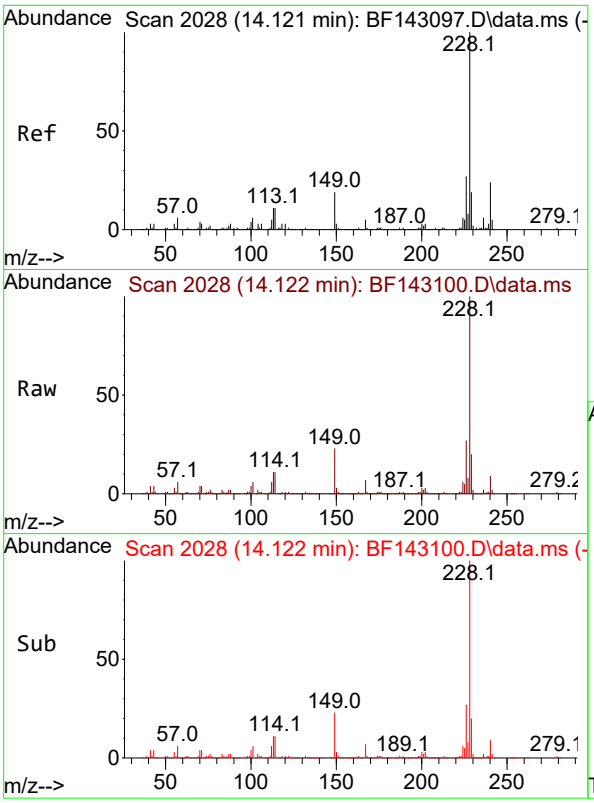



#80
Butylbenzylphthalate
Concen: 79.914 ng
RT: 13.551 min Scan# 1931
Delta R.T. -0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:149 Resp: 301525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 70.6 | 57.0 | 85.4 |
| 206 | 21.9 | 17.2 | 25.8 |

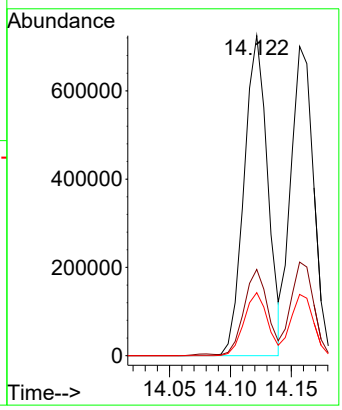





#81
Benzo(a)anthracene
Concen: 74.870 ng
RT: 14.122 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:228 Resp: 97990

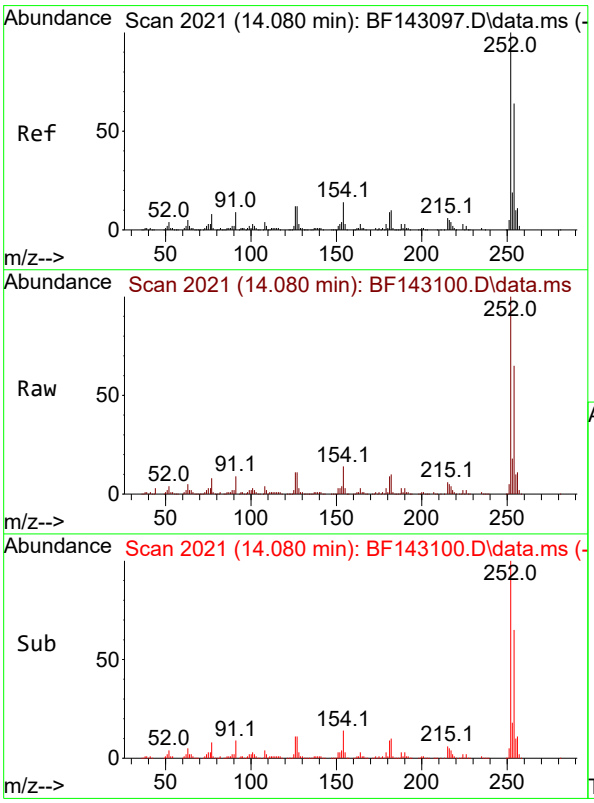
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.0 | 21.3 | 31.9 |
| 229 | 19.7 | 15.5 | 23.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

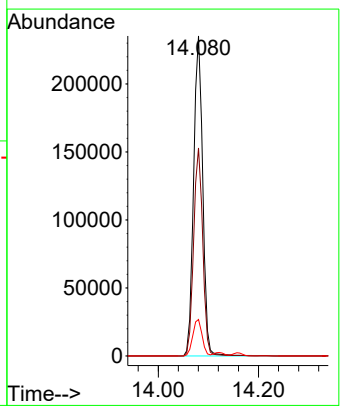
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

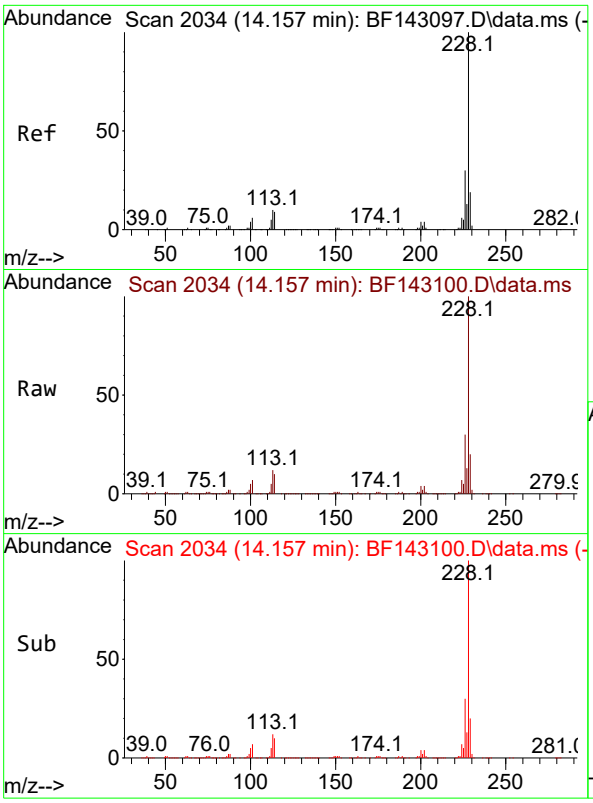



#82
3,3'-Dichlorobenzidine
Concen: 77.896 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:252 Resp: 296061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.0 | 51.5 | 77.3 |
| 126 | 11.4 | 9.4 | 14.0 |

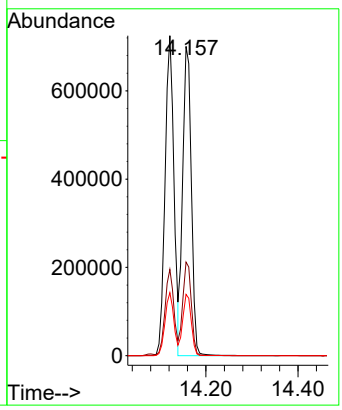





#83
Chrysene
Concen: 75.743 ng
RT: 14.157 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:228 Resp: 91303

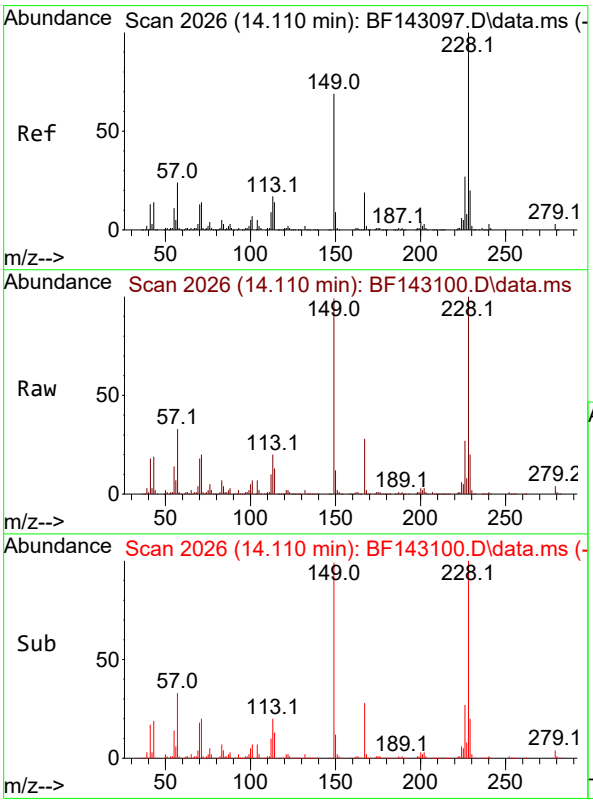
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 23.4 | 35.2 |
| 229 | 19.8 | 15.3 | 22.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

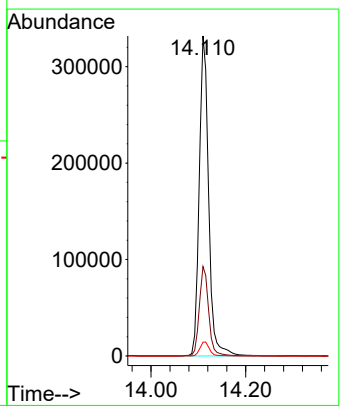
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

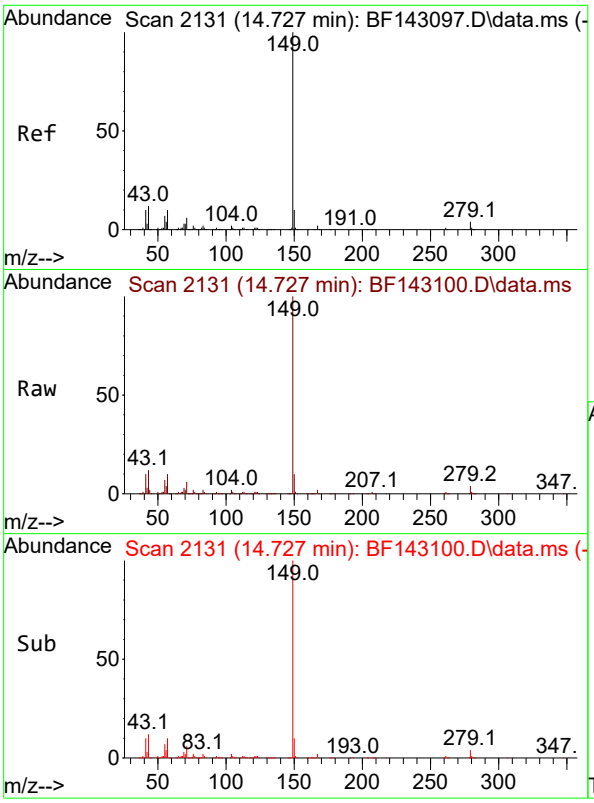



#84
Bis(2-ethylhexyl)phthalate
Concen: 80.495 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:149 Resp: 458210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.9 | 21.9 | 32.9 |
| 279 | 4.3 | 3.4 | 5.0 |

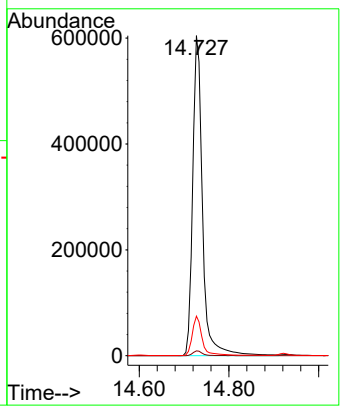





#85
Di-n-octyl phthalate
Concen: 82.209 ng
RT: 14.727 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:149 Resp: 91674

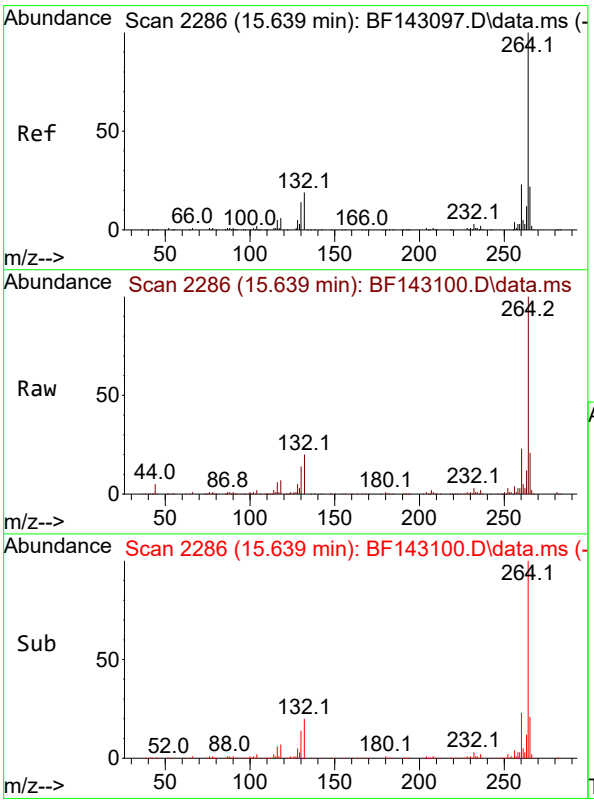
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.2 | 1.8 |
| 43 | 12.3 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

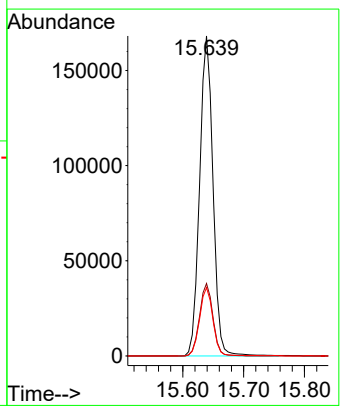
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

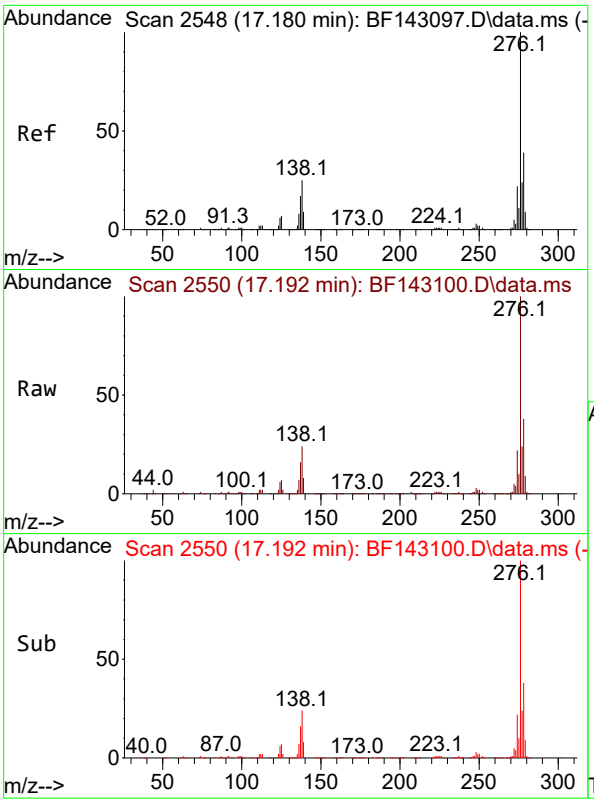



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:264 Resp: 256691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.6 | 18.5 | 27.7 |
| 265 | 21.4 | 17.5 | 26.3 |

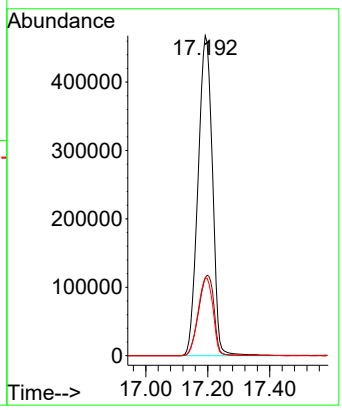





#87
Indeno(1,2,3-cd)pyrene
Concen: 79.082 ng
RT: 17.192 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:276 Resp: 150981

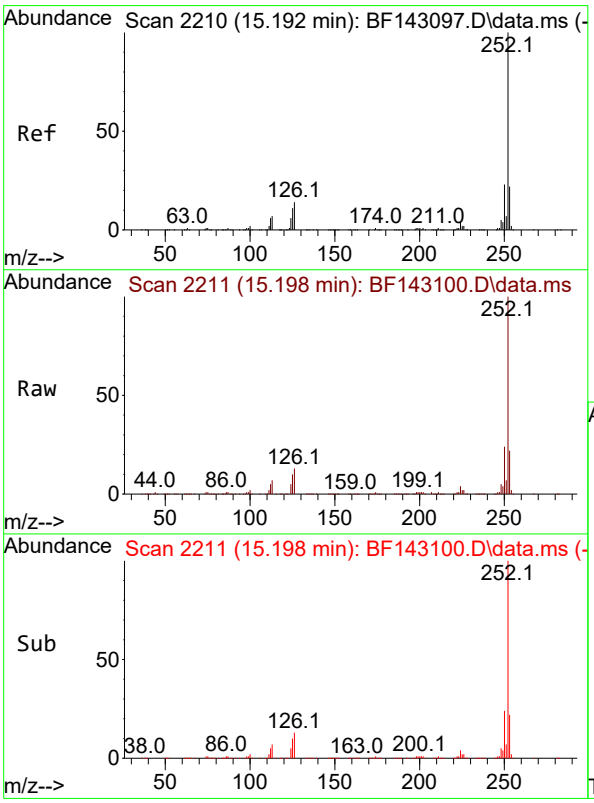
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.8 | 22.6 | 34.0 |
| 277 | 25.3 | 20.2 | 30.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

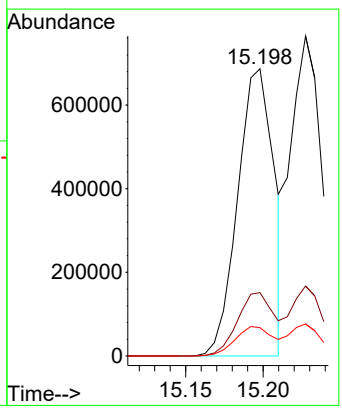
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

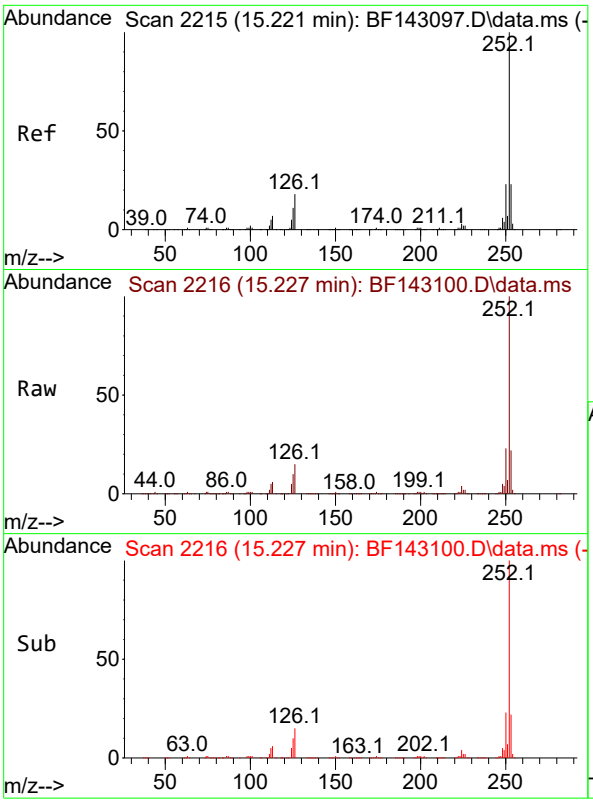



#88
Benzo(b)fluoranthene
Concen: 75.360 ng
RT: 15.198 min Scan# 2211
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:252 Resp: 1115815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.5 | 26.3 |
| 125 | 9.8 | 8.6 | 13.0 |

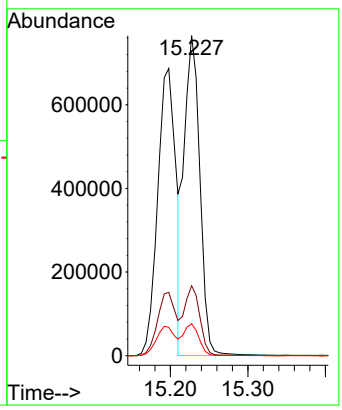





#89
Benzo(k)fluoranthene
Concen: 76.736 ng
RT: 15.227 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:252 Resp: 108393

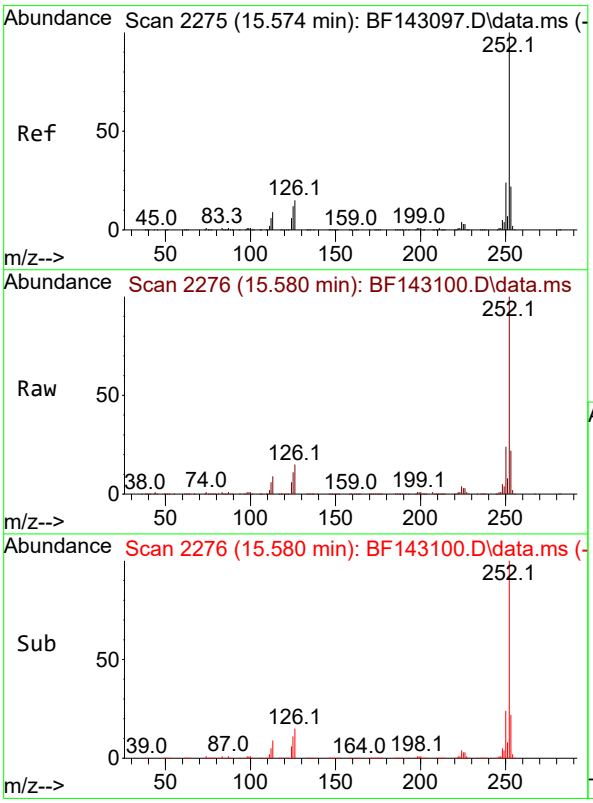
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.4 | 26.2 |
| 125 | 10.0 | 8.5 | 12.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

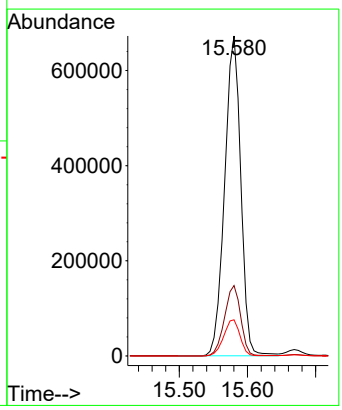
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

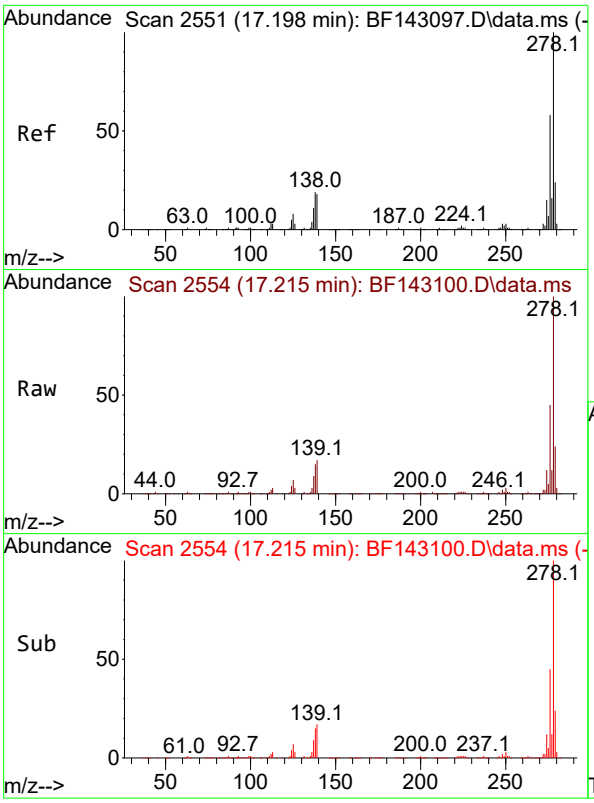



#90
Benzo(a)pyrene
Concen: 79.071 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:252 Resp: 1107280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.5 | 26.3 |
| 125 | 11.3 | 9.4 | 14.0 |

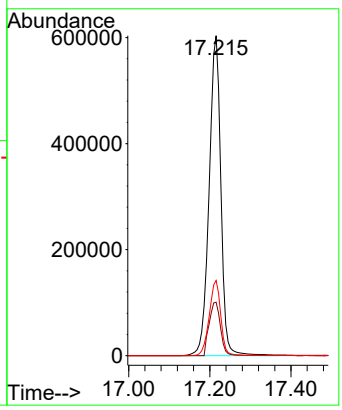





#91
Dibenzo(a,h)anthracene
Concen: 77.528 ng
RT: 17.215 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:278 Resp: 120997

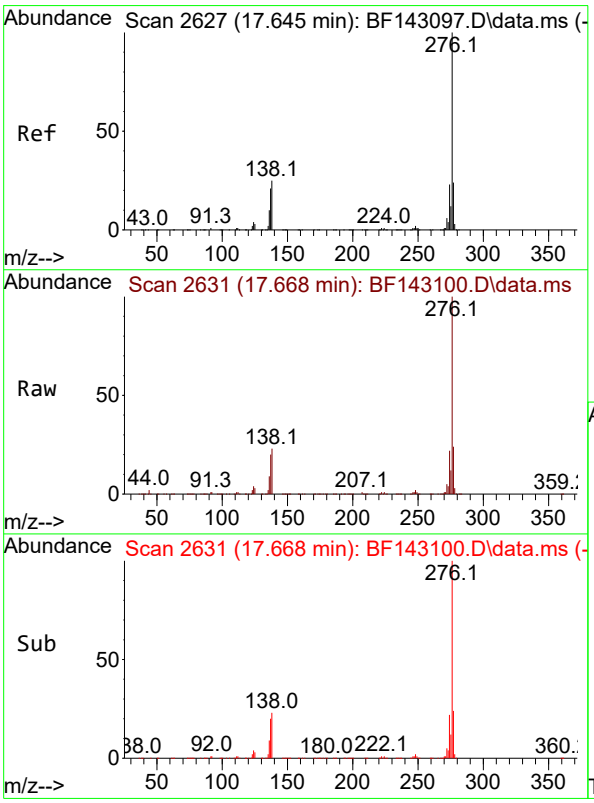
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.7 | 14.6 | 22.0 |
| 279 | 23.5 | 18.8 | 28.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

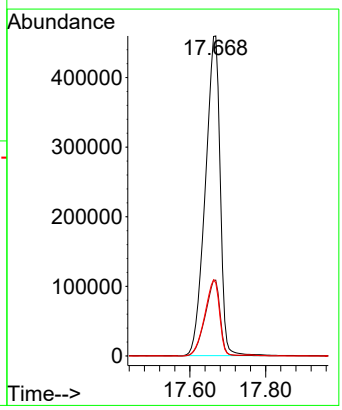
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025




#92
Benzo(g,h,i)perylene
Concen: 78.321 ng
RT: 17.668 min Scan# 2631
Delta R.T. 0.024 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:276 Resp: 1246206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 19.2 | 28.8 |
| 138 | 22.8 | 19.8 | 29.6 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.969 | 152 | 130235 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.251 | 136 | 496378 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 10.004 | 164 | 248221 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.492 | 188 | 398969 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.133 | 240 | 215152 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.639 | 264 | 235493 | 20.000 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.587 | 112 | 649544 | 78.799 | ng | 0.00 |
| 7) Phenol-d6 | 6.587 | 99 | 814393 | 78.598 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.528 | 82 | 692735m | 78.289 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.792 | 330 | 190277 | 85.971 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.328 | 172 | 1290148 | 69.090 | ng | 0.00 |
| 79) Terphenyl-d14 | 13.074 | 244 | 1064372 | 72.317 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.810 | 88 | 156917 | 38.242 | ng | 99 |
| 3) Pyridine | 3.581 | 79 | 426106 | 41.009 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.522 | 42 | 223240 | 41.468 | ng | 98 |
| 6) Aniline | 6.628 | 93 | 598787 | 41.038 | ng | 100 |
| 8) 2-Chlorophenol | 6.751 | 128 | 351129 | 42.397 | ng | 99 |
| 9) Benzaldehyde | 6.516 | 77 | 293033 | 37.115 | ng | 99 |
| 10) Phenol | 6.598 | 94 | 467536m | 41.681 | ng | |
| 11) bis(2-Chloroethyl)ether | 6.698 | 93 | 354713 | 40.848 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.910 | 146 | 380756 | 40.694 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 6.987 | 146 | 381590 | 40.539 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 7.139 | 146 | 366082 | 40.782 | ng | 99 |
| 15) Benzyl Alcohol | 7.098 | 79 | 325035 | 42.336 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.239 | 45 | 644651 | 40.273 | ng | 100 |
| 17) 2-Methylphenol | 7.204 | 107 | 296835 | 41.532 | ng | 99 |
| 18) Hexachloroethane | 7.486 | 117 | 132499 | 43.239 | ng | 100 |
| 19) n-Nitroso-di-n-propyla... | 7.375 | 70 | 266499 | 41.982 | ng | 100 |
| 20) 3+4-Methylphenols | 7.363 | 107 | 368618 | 42.057 | ng | 99 |
| 22) Acetophenone | 7.375 | 105 | 482823 | 40.351 | ng | 99 |
| 24) Nitrobenzene | 7.545 | 77 | 381374 | 44.647 | ng | 99 |
| 25) Isophorone | 7.786 | 82 | 704424 | 41.188 | ng | 100 |
| 26) 2-Nitrophenol | 7.863 | 139 | 150156 | 44.317 | ng | 100 |
| 27) 2,4-Dimethylphenol | 7.892 | 122 | 333899 | 42.064 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 7.992 | 93 | 423022 | 40.789 | ng | 100 |
| 29) 2,4-Dichlorophenol | 8.098 | 162 | 283011 | 43.580 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.192 | 180 | 303602 | 41.194 | ng | 99 |
| 31) Naphthalene | 8.275 | 128 | 999363 | 40.543 | ng | 99 |
| 32) Benzoic acid | 7.986 | 122 | 169020m | 43.449 | ng | |
| 33) 4-Chloroaniline | 8.310 | 127 | 408741 | 41.236 | ng | 99 |
| 34) Hexachlorobutadiene | 8.392 | 225 | 182140 | 41.324 | ng | 99 |
| 35) Caprolactam | 8.675 | 113 | 88286 | 43.536 | ng | 95 |
| 36) 4-Chloro-3-methylphenol | 8.786 | 107 | 306624 | 42.387 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.963 | 142 | 597819 | 40.654 | ng | 100 |
| 38) 1-Methylnaphthalene | 9.063 | 142 | 624130 | 40.922 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.128 | 216 | 293187 | 40.531 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 9.122 | 237 | 180819 | 45.086 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 9.233 | 196 | 197565 | 43.955 | ng | 98 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.269 | 196 | 202658 | 43.001 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.428 | 154 | 799467 | 40.387 | ng | | 100 |
| 47) 2-Chloronaphthalene | 9.451 | 162 | 584687 | 40.207 | ng | | 100 |
| 48) 2-Nitroaniline | 9.539 | 65 | 185847 | 43.148 | ng | | 96 |
| 49) Acenaphthylene | 9.869 | 152 | 987106 | 40.736 | ng | | 99 |
| 50) Dimethylphthalate | 9.722 | 163 | 644618 | 41.279 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.780 | 165 | 132241 | 43.156 | ng | | 92 |
| 52) Acenaphthene | 10.039 | 154 | 571724 | 39.982 | ng | | 99 |
| 53) 3-Nitroaniline | 9.945 | 138 | 160978 | 47.707 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 10.051 | 184 | 46465 | 47.113 | ng | # | 1 |
| 55) Dibenzofuran | 10.210 | 168 | 858944 | 40.300 | ng | | 100 |
| 56) 4-Nitrophenol | 10.092 | 139 | 122610 | 45.720 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 10.180 | 165 | 168227 | 43.964 | ng | | 99 |
| 58) Fluorene | 10.557 | 166 | 634897 | 39.732 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.327 | 232 | 168172 | 44.902 | ng | | 98 |
| 60) Diethylphthalate | 10.422 | 149 | 637247 | 42.297 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.545 | 204 | 313111 | 40.882 | ng | | 98 |
| 62) 4-Nitroaniline | 10.557 | 138 | 139342 | 47.486 | ng | | 98 |
| 63) Azobenzene | 10.704 | 77 | 680354 | 40.833 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.586 | 198 | 65266 | 44.754 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 10.663 | 169 | 563086 | 40.179 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 11.033 | 248 | 189573 | 41.782 | ng | | 100 |
| 68) Hexachlorobenzene | 11.104 | 284 | 196969 | 40.915 | ng | | 99 |
| 69) Atrazine | 11.180 | 200 | 158741 | 44.273 | ng | | 98 |
| 70) Pentachlorophenol | 11.292 | 266 | 118797 | 44.978 | ng | | 99 |
| 71) Phenanthrene | 11.516 | 178 | 871369 | 40.469 | ng | | 100 |
| 72) Anthracene | 11.569 | 178 | 887738 | 40.999 | ng | | 100 |
| 73) Carbazole | 11.716 | 167 | 791886 | 40.823 | ng | | 99 |
| 74) Di-n-butylphthalate | 12.051 | 149 | 820833 | 46.099 | ng | | 100 |
| 75) Fluoranthene | 12.704 | 202 | 824497 | 42.113 | ng | | 100 |
| 77) Benzidine | 12.816 | 184 | 350573 | 47.827 | ng | | 98 |
| 78) Pyrene | 12.933 | 202 | 820201 | 41.087 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.551 | 149 | 172390 | 43.340 | ng | | 100 |
| 81) Benzo(a)anthracene | 14.121 | 228 | 583794 | 40.719 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 14.080 | 252 | 183371 | 44.044 | ng | | 99 |
| 83) Chrysene | 14.157 | 228 | 530018 | 40.139 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 14.110 | 149 | 239329 | 40.166 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.727 | 149 | 424959 | 38.648 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 17.186 | 276 | 744447 | 42.503 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 15.192 | 252 | 594727 | 43.782 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.221 | 252 | 513977 | 39.662 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.574 | 252 | 548875 | 42.724 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.203 | 278 | 611881 | 42.735 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.651 | 276 | 632939 | 43.359 | ng | | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

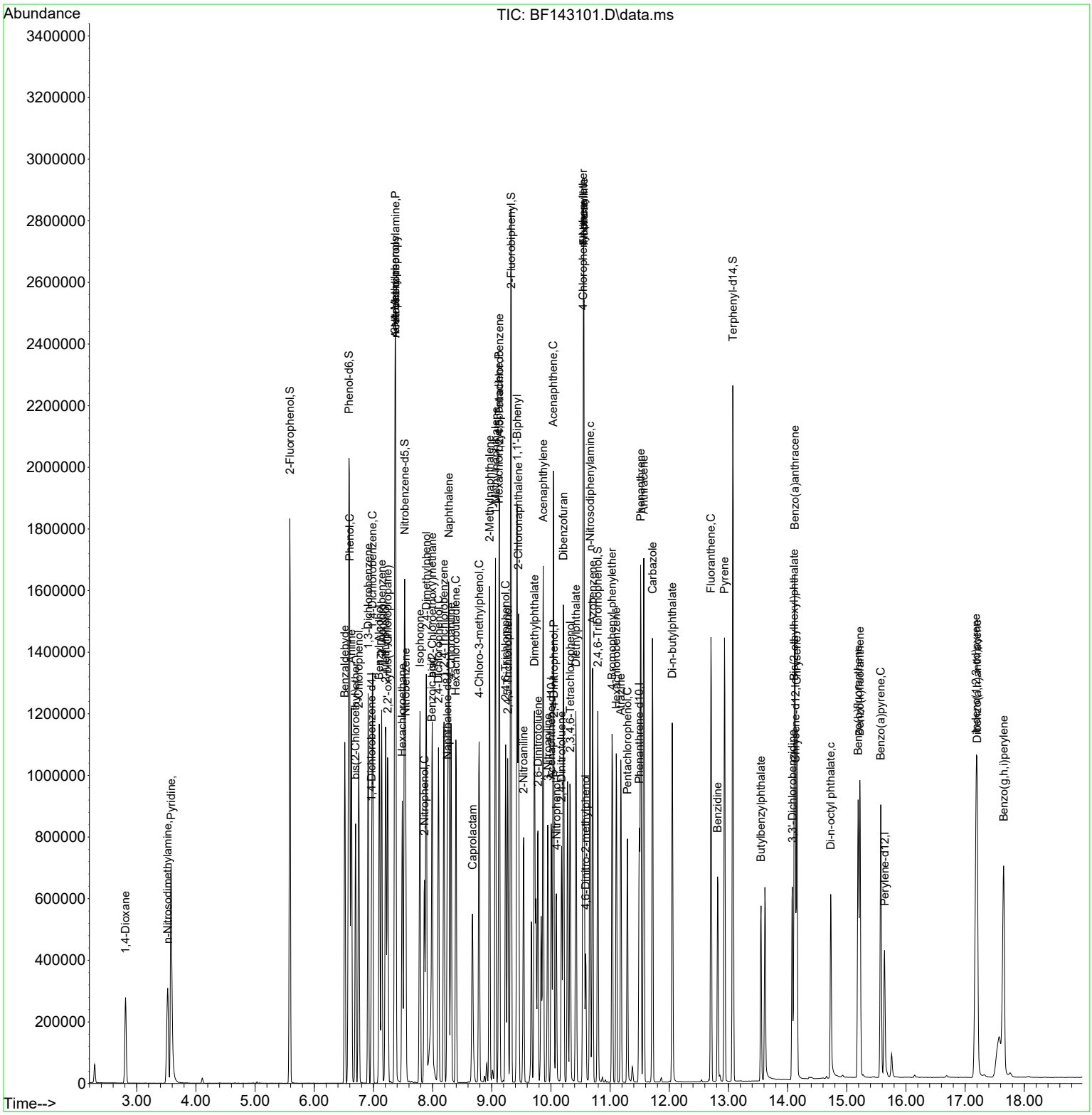
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

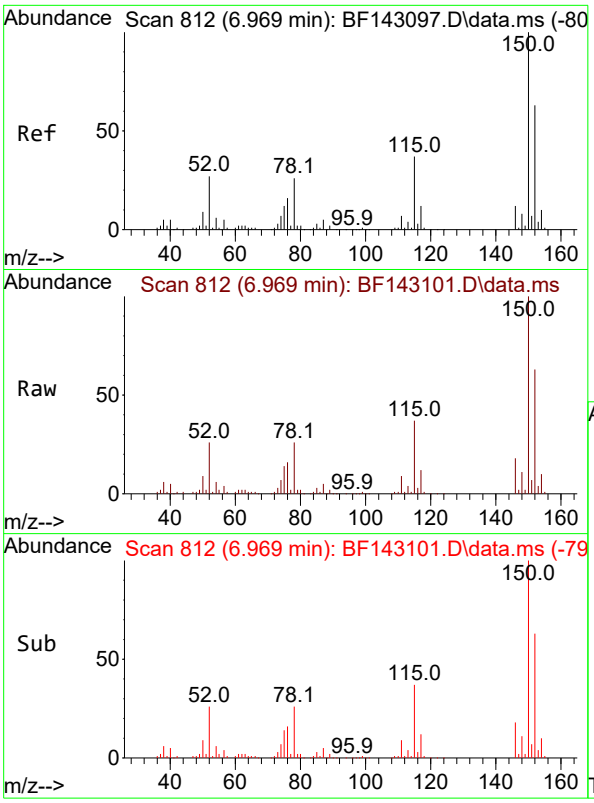
Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

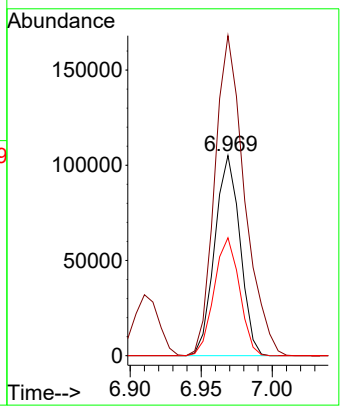





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:152 Resp: 13023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.9 | 126.5 | 189.7 |
| 115 | 58.9 | 47.0 | 70.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

**Manual Integrations**
**APPROVED**

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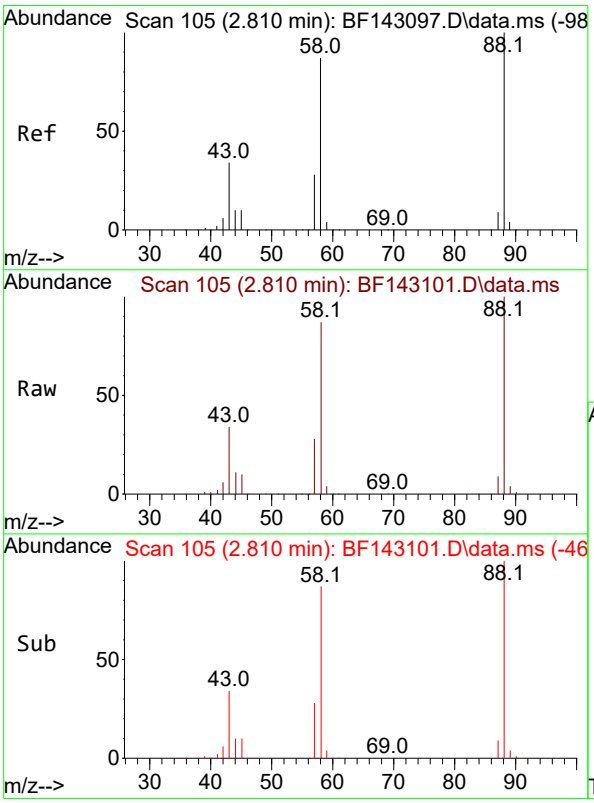
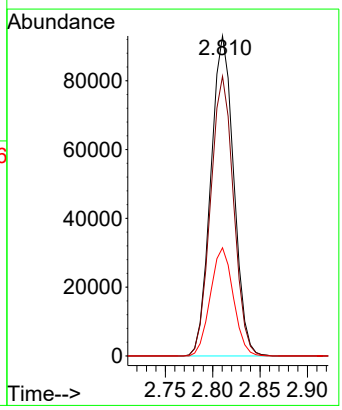
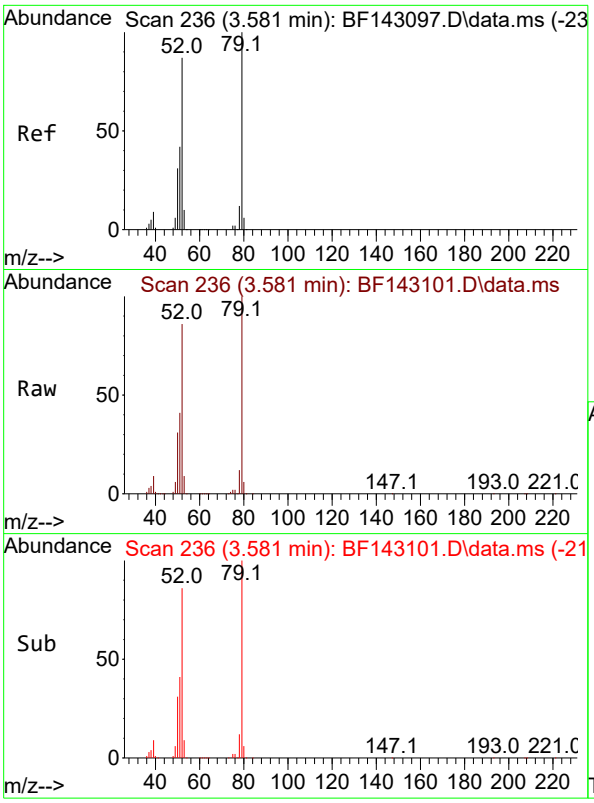



#2
1,4-Dioxane
Concen: 38.242 ng
RT: 2.810 min Scan# 105
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 88 Resp: 156917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 87.3 | 70.5 | 105.7 |
| 43 | 33.7 | 27.3 | 40.9 |

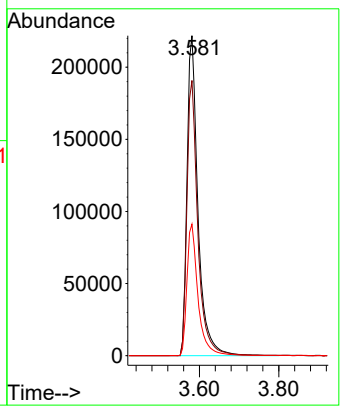





#3
Pyridine
Concen: 41.009 ng
RT: 3.581 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 79 Resp: 42610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 86.0 | 69.2 | 103.8 |
| 51 | 41.1 | 33.3 | 49.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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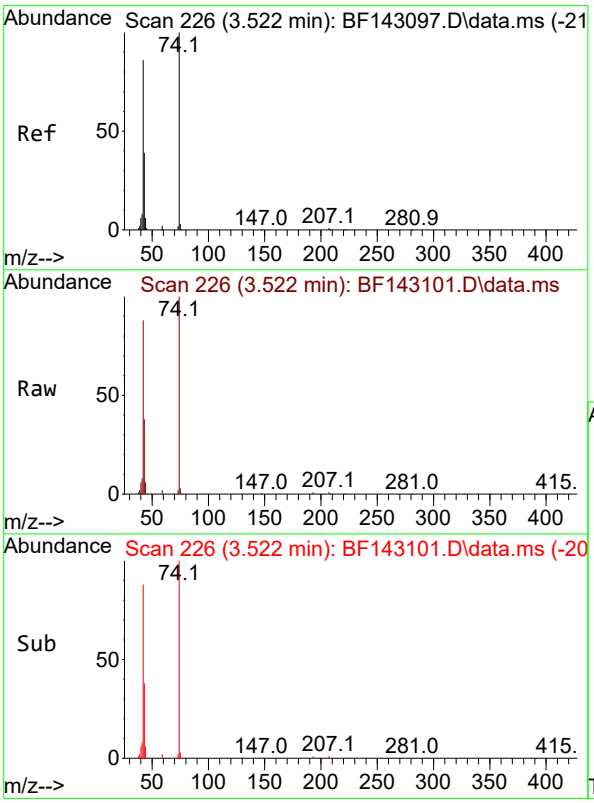
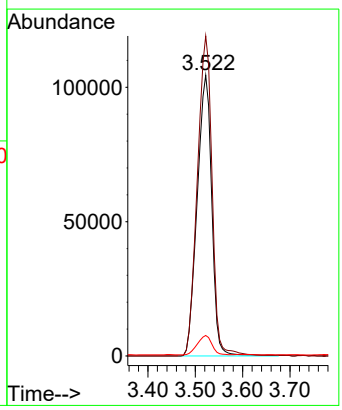
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

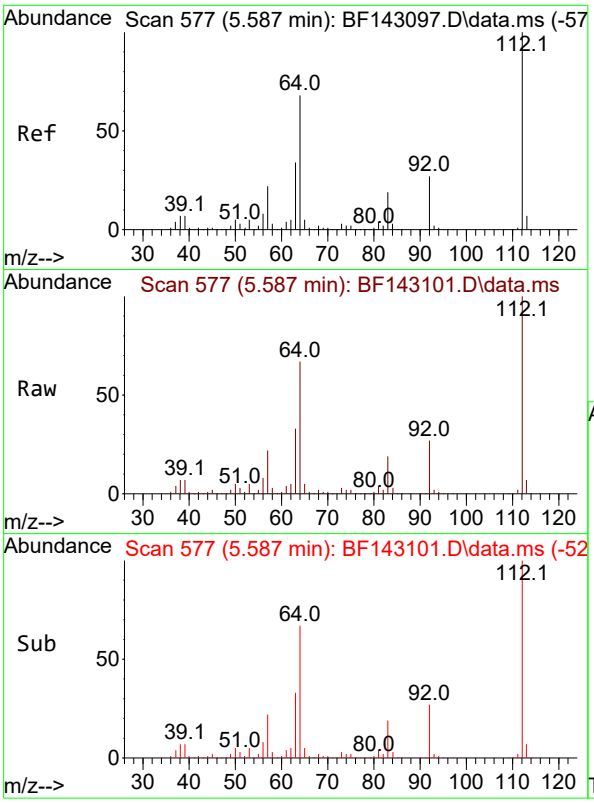



#4
n-Nitrosodimethylamine
Concen: 41.468 ng
RT: 3.522 min Scan# 226
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 42 Resp: 223240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 114.0 | 92.8 | 139.2 |
| 44 | 7.3 | 5.8 | 8.6 |

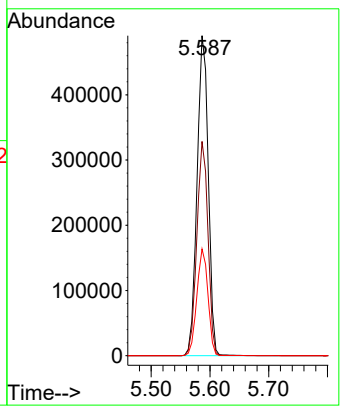





#5
2-Fluorophenol
Concen: 78.799 ng
RT: 5.587 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:112 Resp: 64954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 67.0 | 54.6 | 82.0 |
| 63 | 33.4 | 27.3 | 40.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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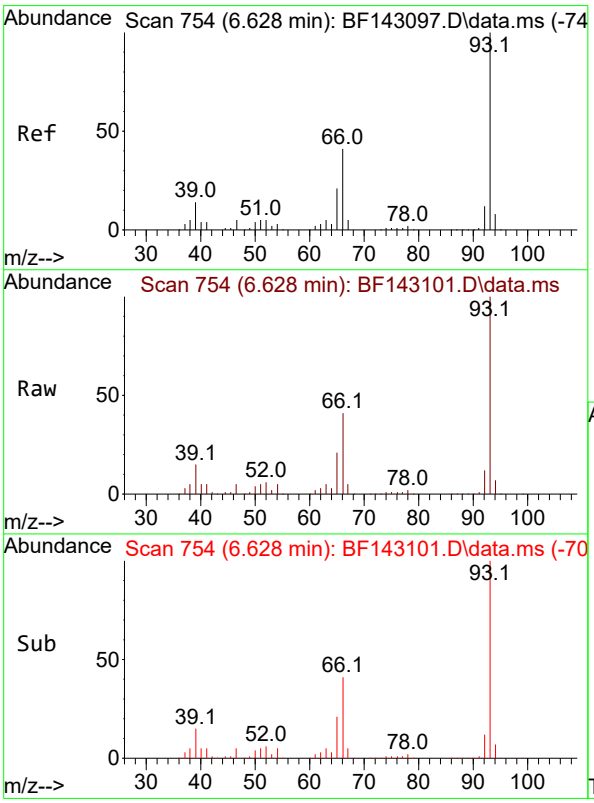
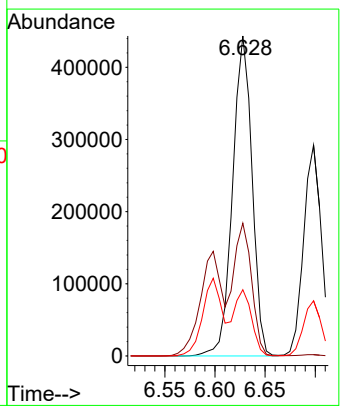
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

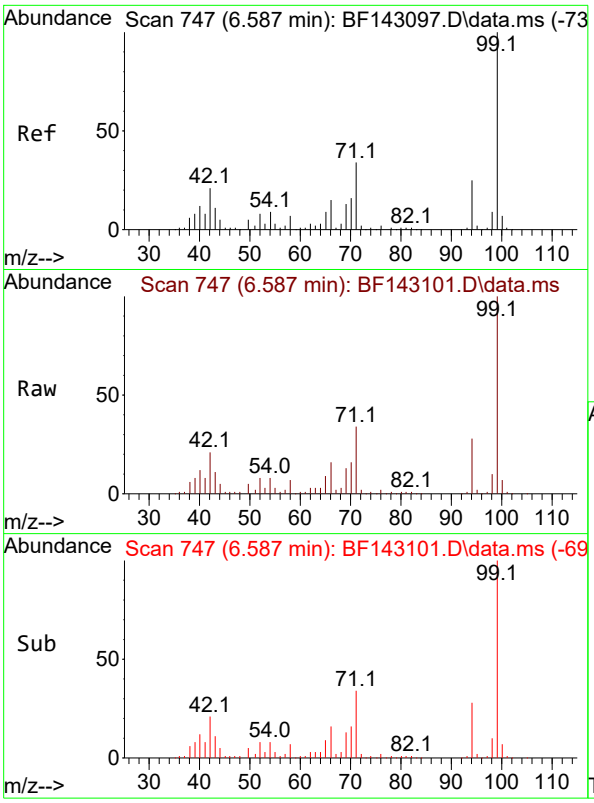



#6
Aniline
Concen: 41.038 ng
RT: 6.628 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 93 Resp: 598787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 41.5 | 33.1 | 49.7 |
| 65 | 20.7 | 16.9 | 25.3 |

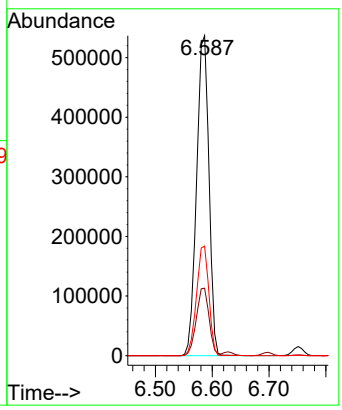





#7
Phenol-d6
Concen: 78.598 ng
RT: 6.587 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 99 Resp: 81439

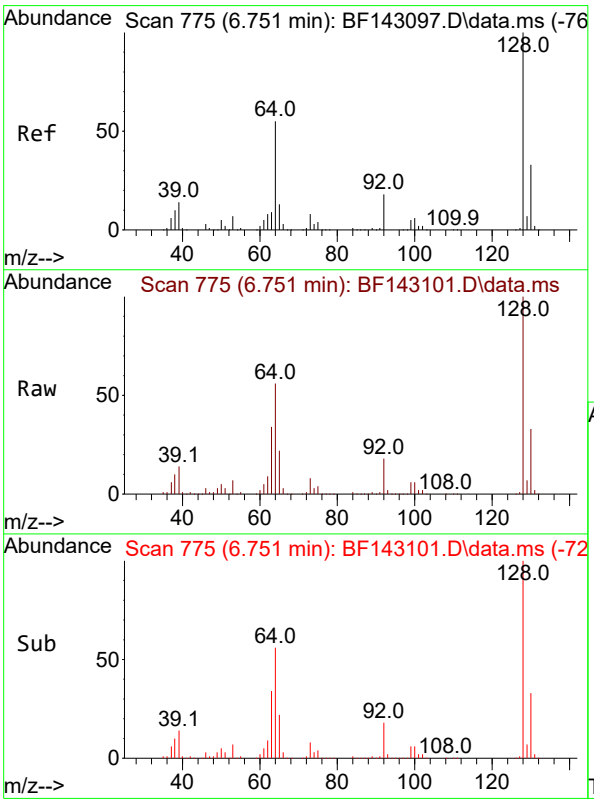
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.1 | 17.2 | 25.8 |
| 71 | 34.2 | 27.4 | 41.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

**Manual Integrations APPROVED**

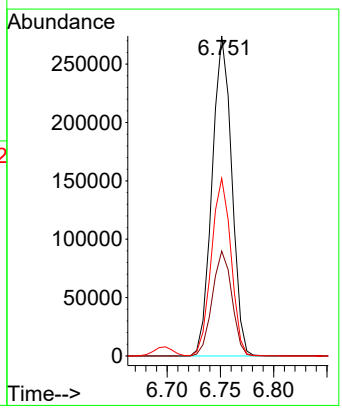
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

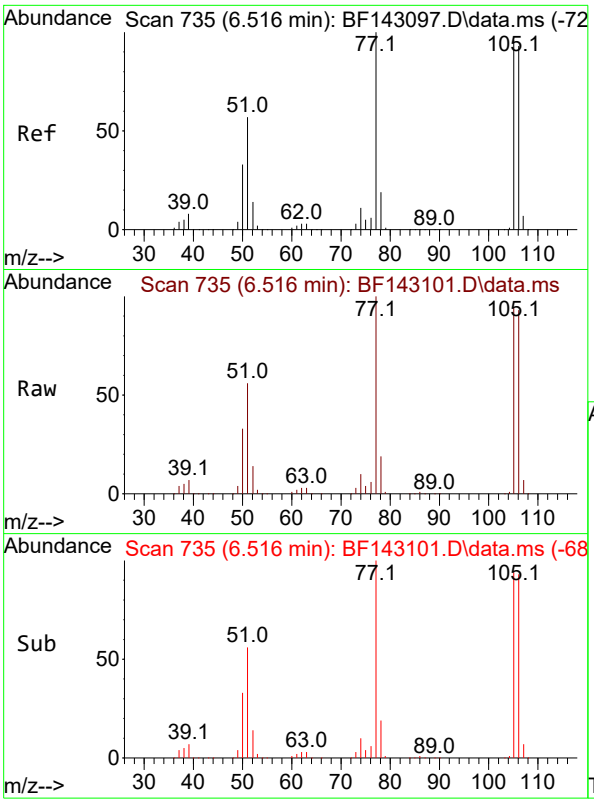



#8
2-Chlorophenol
Concen: 42.397 ng
RT: 6.751 min Scan# 775
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:128 Resp: 351129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.8 | 12.8 | 52.8 |
| 64 | 55.5 | 36.1 | 76.1 |

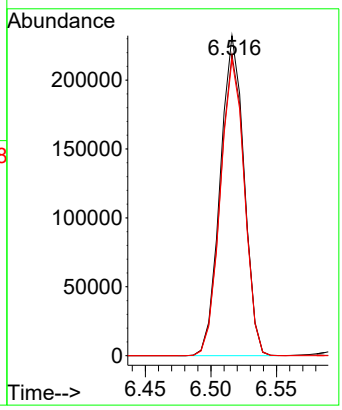





#9
Benzaldehyde
Concen: 37.115 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 77 Resp: 29303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 94.0 | 76.3 | 116.3 |
| 106 | 92.5 | 72.8 | 112.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

**Manual Integrations APPROVED**

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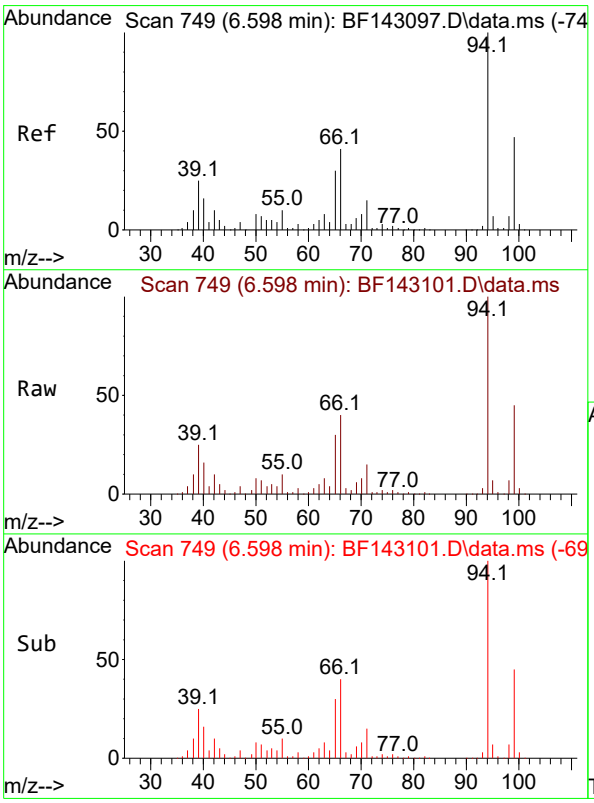
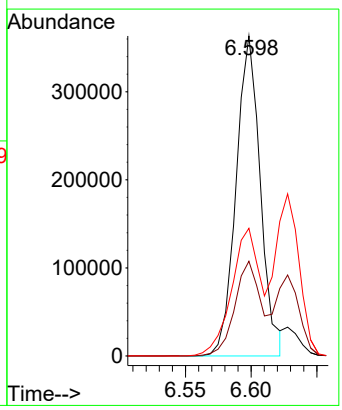
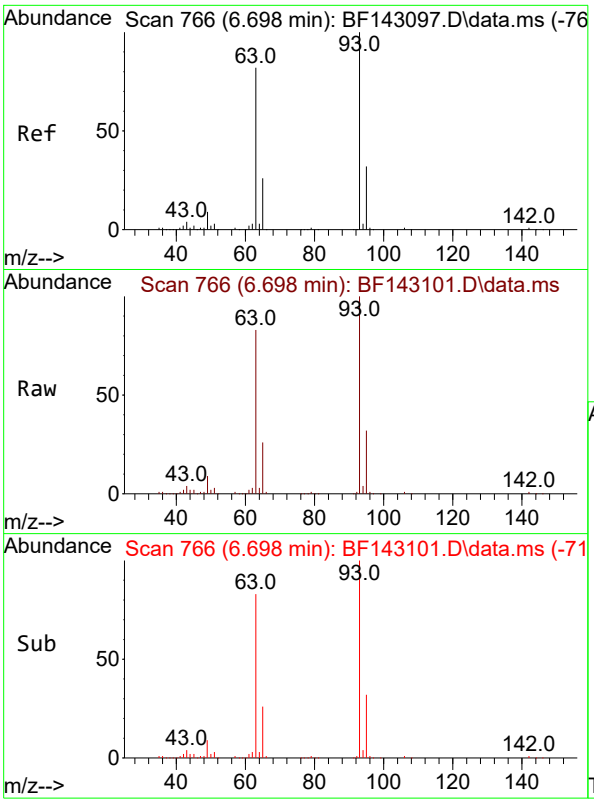



#10
Phenol
Concen: 41.681 ng m
RT: 6.598 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 94 Resp: 467536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.6 | 9.8 | 49.8 |
| 66 | 39.9 | 20.5 | 60.5 |

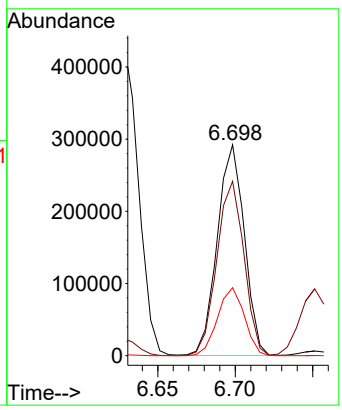





#11
bis(2-Chloroethyl)ether
Concen: 40.848 ng
RT: 6.698 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 93 Resp: 35471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 82.7 | 61.9 | 101.9 |
| 95 | 32.3 | 12.2 | 52.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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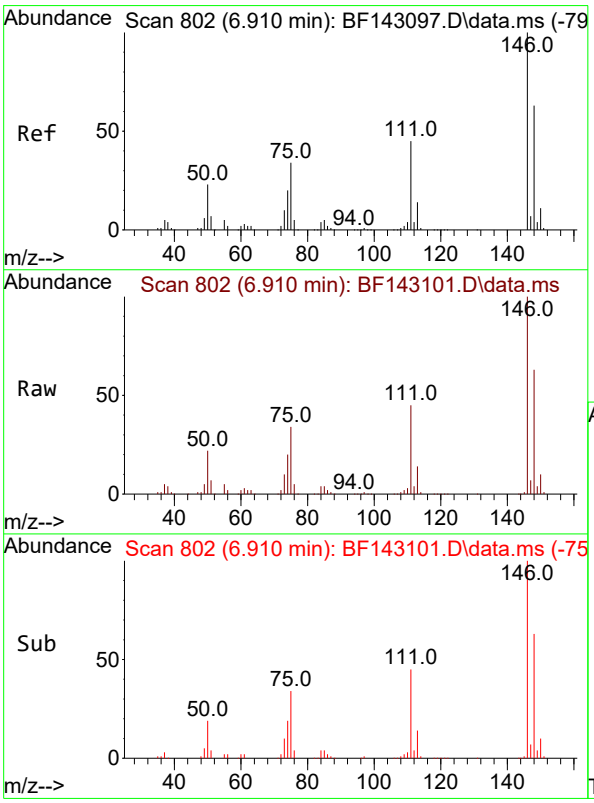
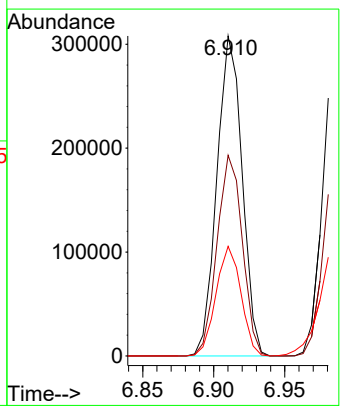
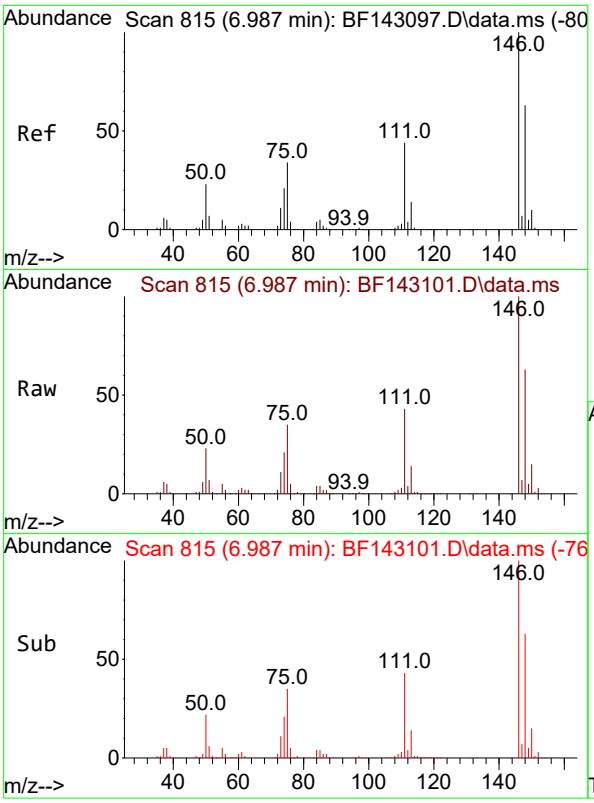



#12
1,3-Dichlorobenzene
Concen: 40.694 ng
RT: 6.910 min Scan# 802
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:146 Resp: 380756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.7 | 50.1 | 75.1 |
| 75 | 34.2 | 27.4 | 41.0 |

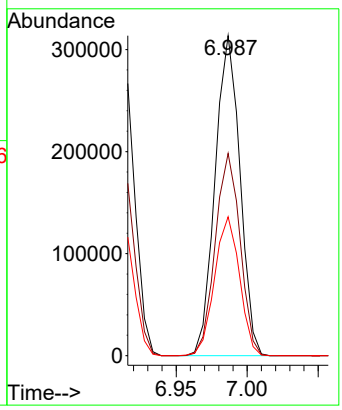





#13
1,4-Dichlorobenzene
Concen: 40.539 ng
RT: 6.987 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:146 Resp: 38159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.2 | 50.6 | 76.0 |
| 111 | 43.4 | 35.0 | 52.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

**Manual Integrations APPROVED**

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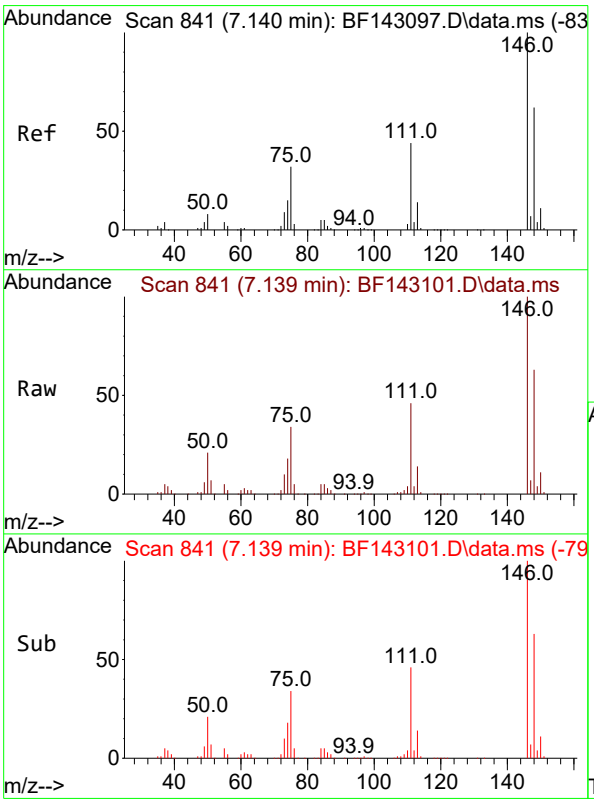
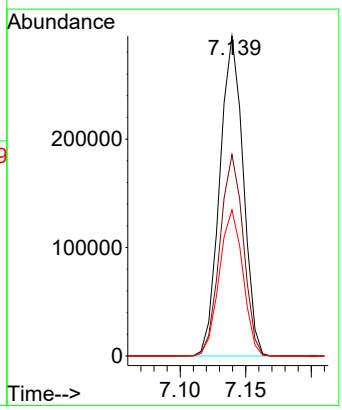
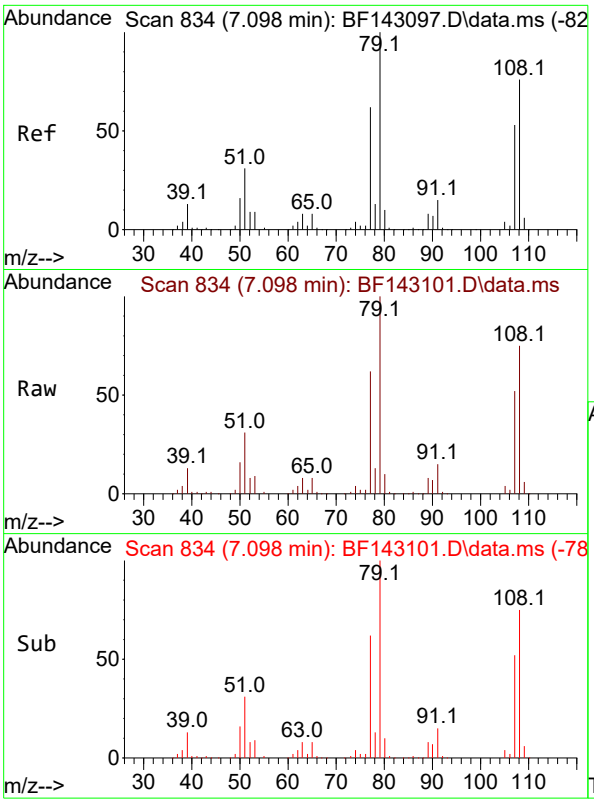



#14
1,2-Dichlorobenzene
Concen: 40.782 ng
RT: 7.139 min Scan# 841
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:146 Resp: 366082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.9 | 49.8 | 74.6 |
| 111 | 45.7 | 35.4 | 53.0 |

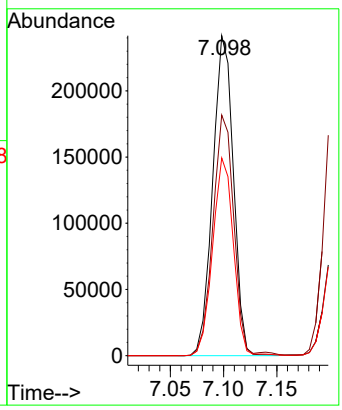





#15
Benzyl Alcohol
Concen: 42.336 ng
RT: 7.098 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 79 Resp: 32503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 75.2 | 61.1 | 91.7 |
| 77 | 61.8 | 49.9 | 74.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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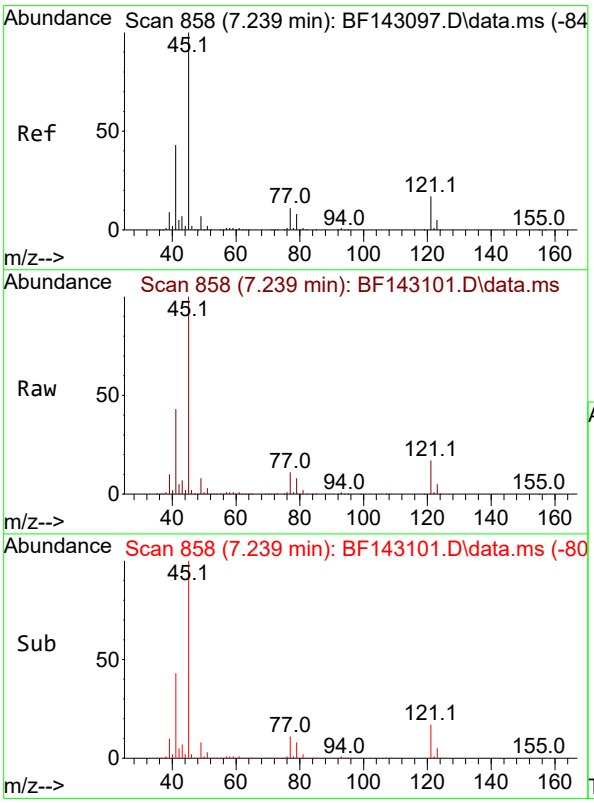
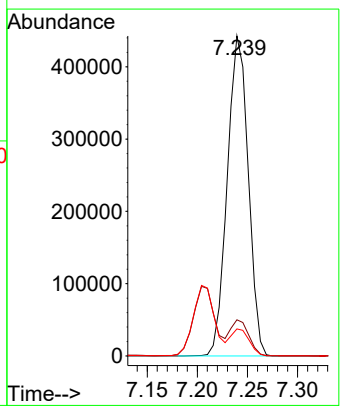
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

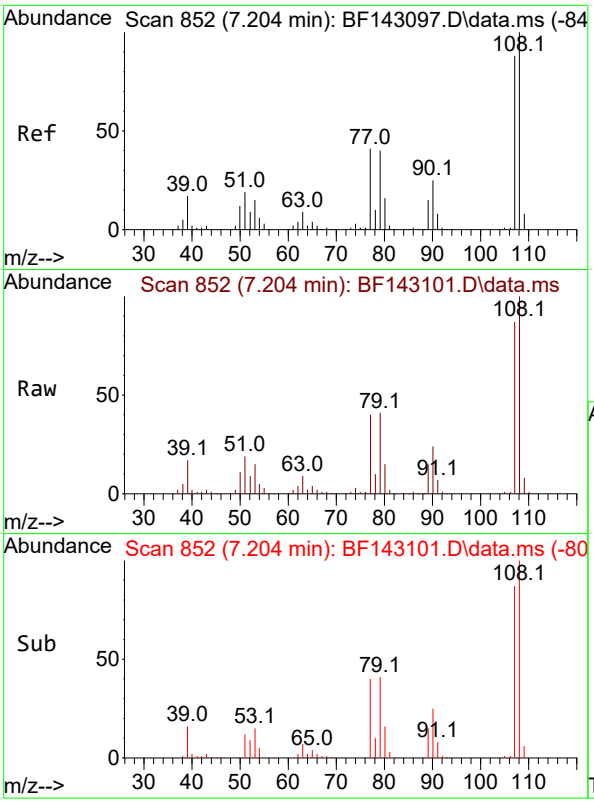



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.273 ng
RT: 7.239 min Scan# 858
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 45 Resp: 644651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 11.3 | 0.0 | 31.1 |
| 79 | 8.4 | 0.0 | 28.4 |

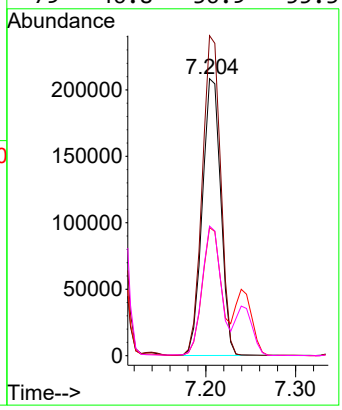





#17
2-Methylphenol
Concen: 41.532 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:107 Resp: 29683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 115.5 | 90.9 | 136.3 |
| 77 | 46.3 | 37.5 | 56.3 |
| 79 | 46.8 | 36.9 | 55.3 |




**Instrument :**
BNA_F
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ICVBF071525

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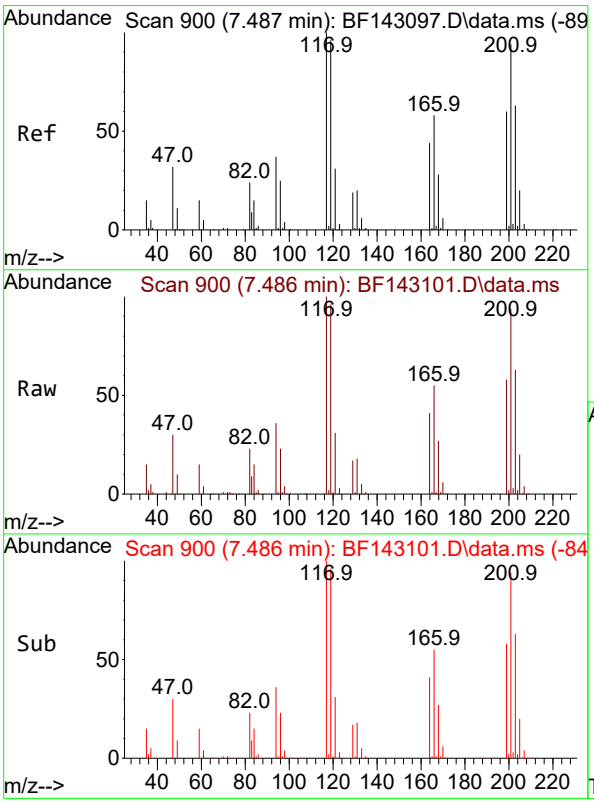
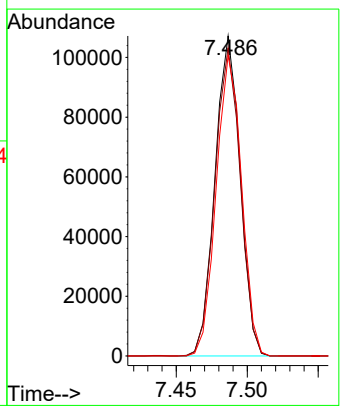
Supervised By :Jagrut Upadhyay 07/16/2025

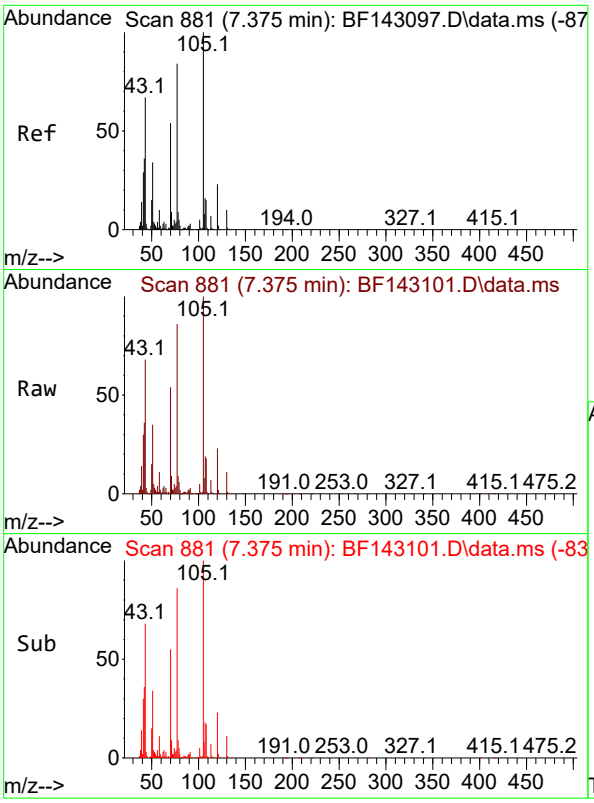



#18
Hexachloroethane
Concen: 43.239 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:117 Resp: 132499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.3 | 76.7 | 115.1 |
| 201 | 93.9 | 75.0 | 112.4 |

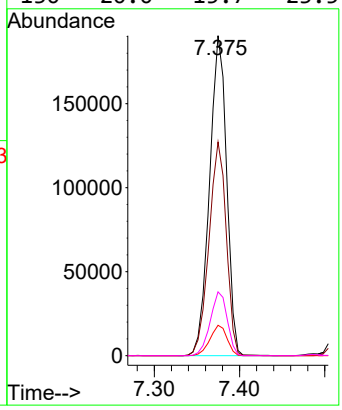





#19
n-Nitroso-di-n-propylamine
Concen: 41.982 ng
RT: 7.375 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 70 Resp: 26649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 66.7 | 53.2 | 79.8 |
| 101 | 9.5 | 7.5 | 11.3 |
| 130 | 20.0 | 15.7 | 23.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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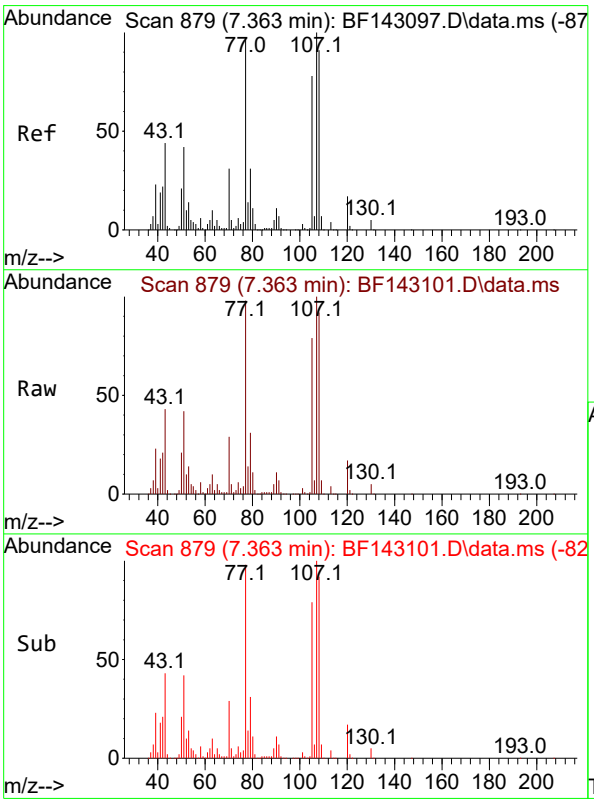
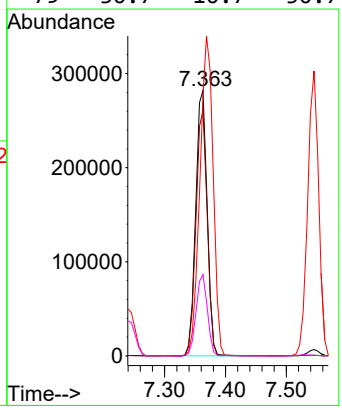
Supervised By :Jagrut Upadhyay 07/16/2025

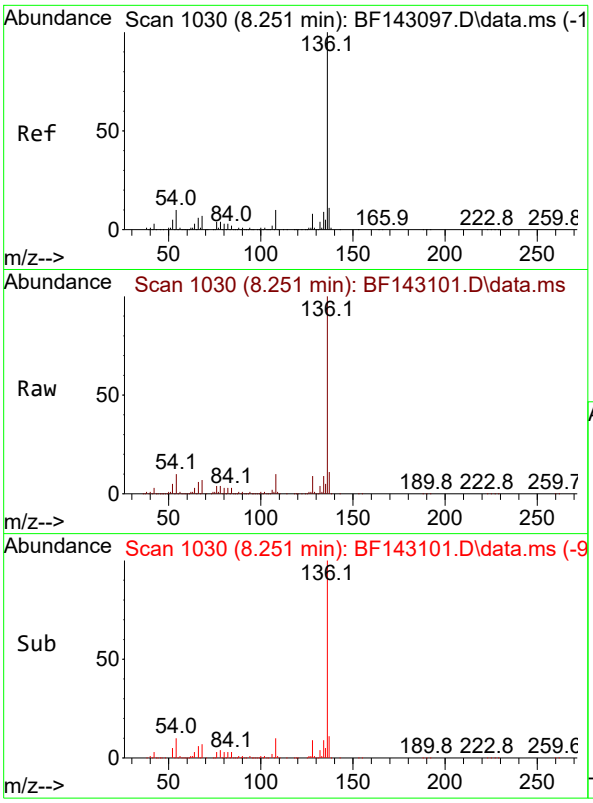



#20
3+4-Methylphenols
Concen: 42.057 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:107 Resp: 368618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 92.5 | 71.3 | 111.3 |
| 77 | 98.3 | 77.2 | 117.2 |
| 79 | 30.7 | 10.7 | 50.7 |

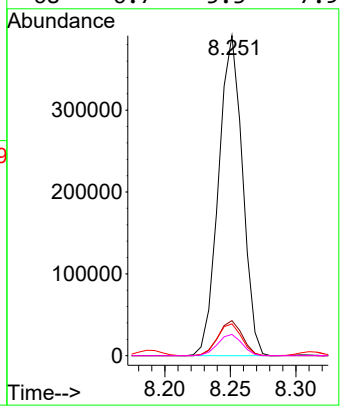





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:136 Resp: 49637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.9 | 13.3 |
| 54 | 9.9 | 8.3 | 12.5 |
| 68 | 6.7 | 5.3 | 7.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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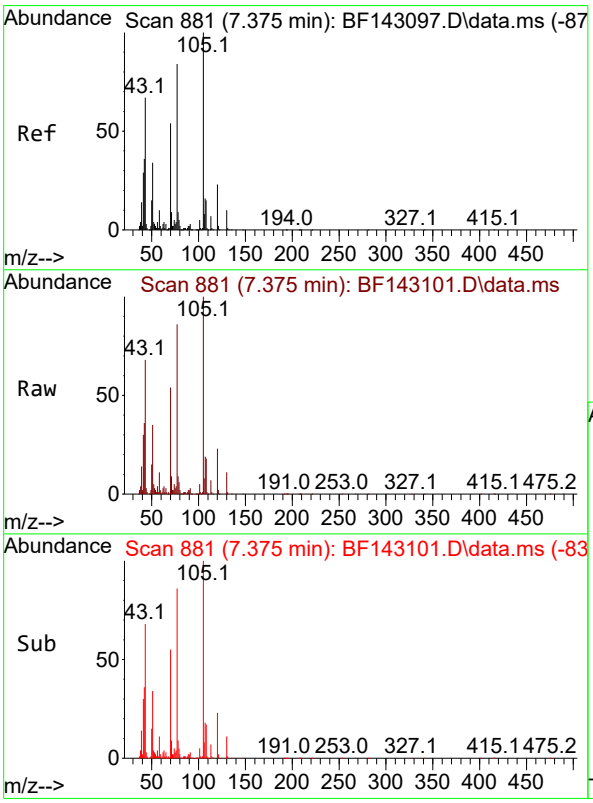
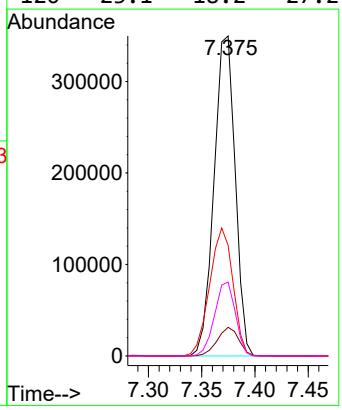
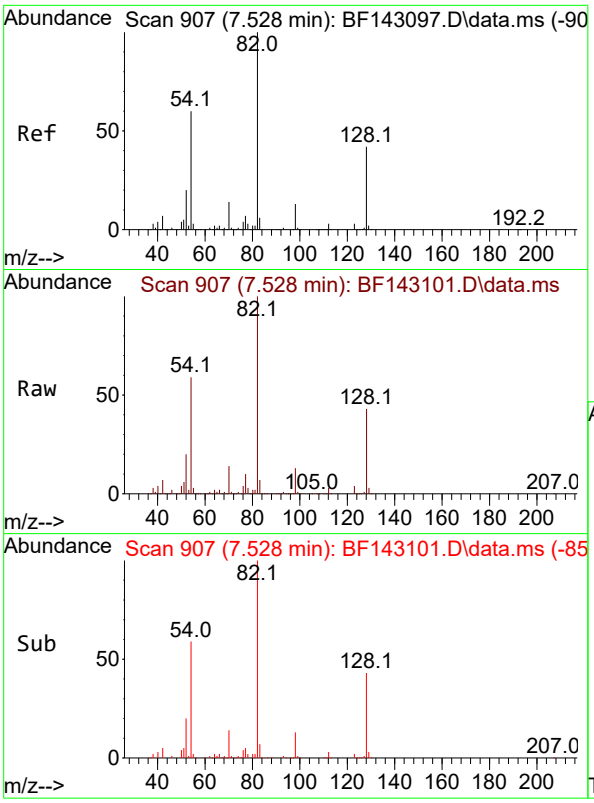



#22
Acetophenone
Concen: 40.351 ng
RT: 7.375 min Scan# 881
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:105 Resp: 482823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 9.0 | 7.2 | 10.8 |
| 51 | 34.6 | 27.0 | 40.4 |
| 120 | 23.1 | 18.2 | 27.2 |

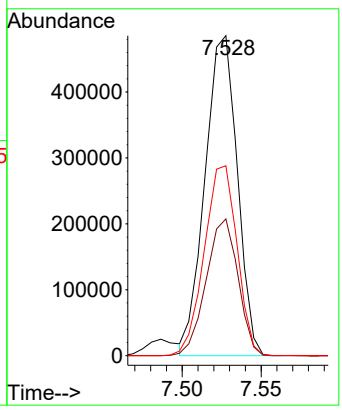





#23
Nitrobenzene-d5
Concen: 78.289 ng m
RT: 7.528 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 82 Resp: 69273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.8 | 33.3 | 49.9 |
| 54 | 59.4 | 47.4 | 71.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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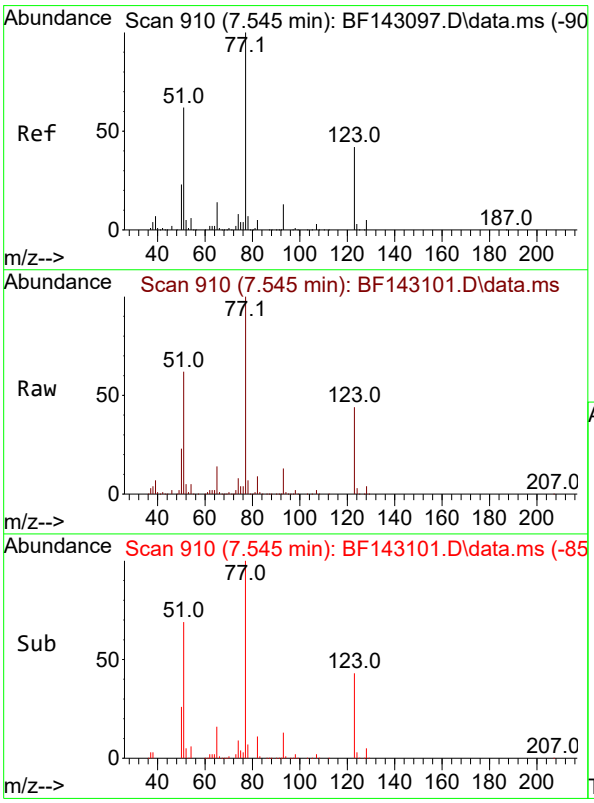
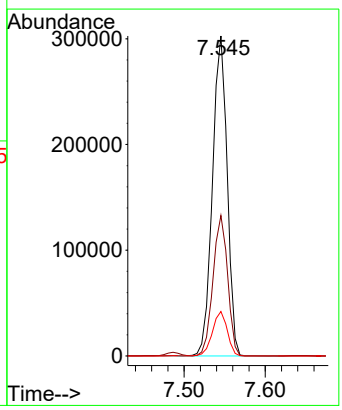
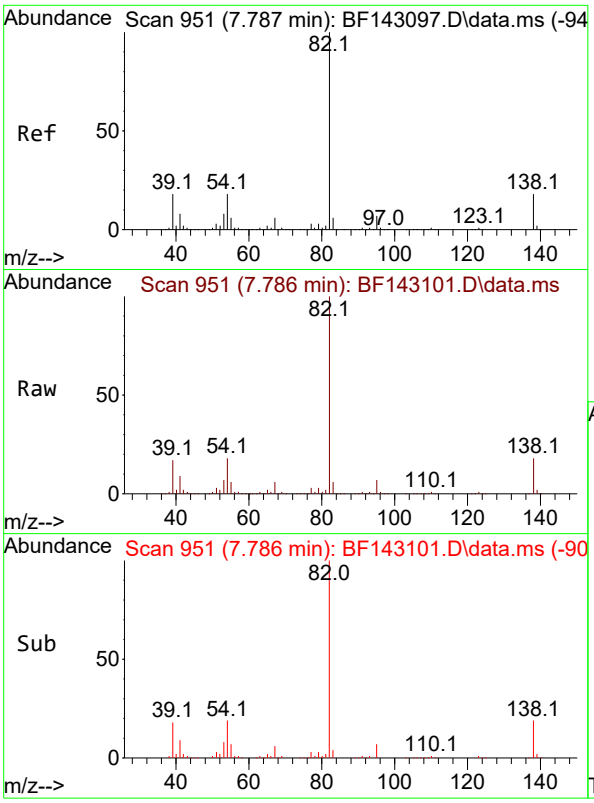



#24
Nitrobenzene
Concen: 44.647 ng
RT: 7.545 min Scan# 910
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 77 Resp: 381374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 43.9 | 34.5 | 51.7 |
| 65 | 13.9 | 11.3 | 16.9 |

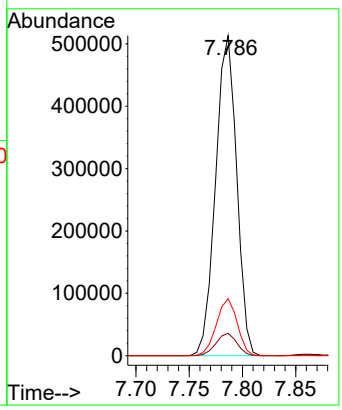





#25
Isophorone
Concen: 41.188 ng
RT: 7.786 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 82 Resp: 70442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.0 | 5.6 | 8.4 |
| 138 | 17.8 | 14.3 | 21.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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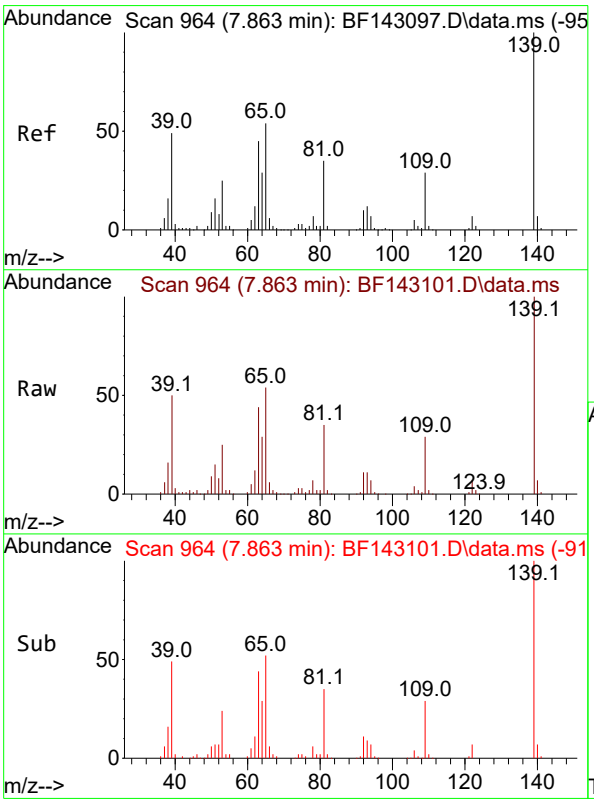
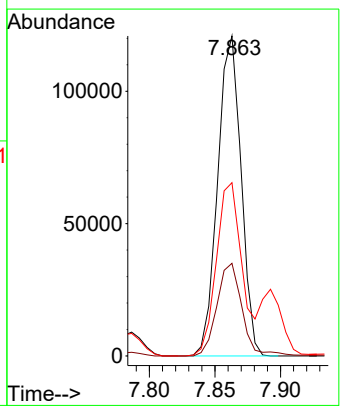
Supervised By :Jagrut Upadhyay 07/16/2025

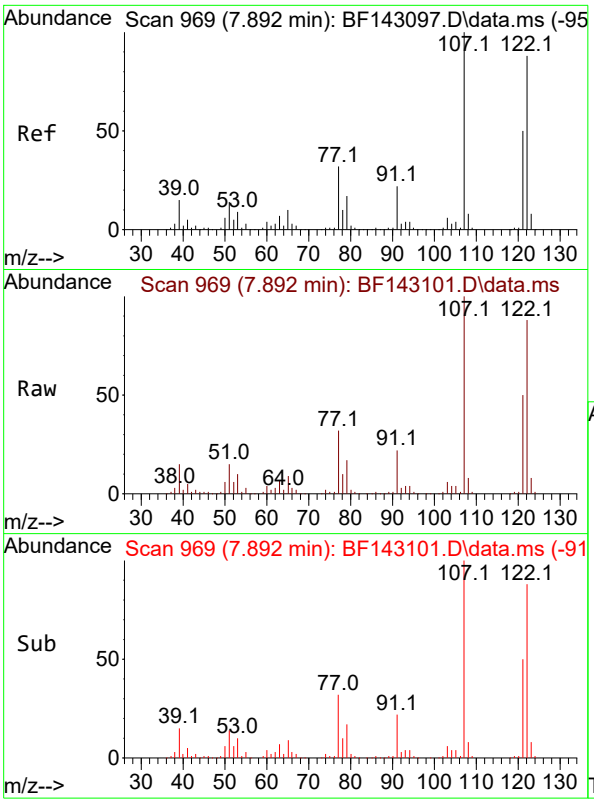



#26
2-Nitrophenol
Concen: 44.317 ng
RT: 7.863 min Scan# 964
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:139 Resp: 150156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 29.0 | 23.4 | 35.0 |
| 65 | 54.1 | 43.4 | 65.2 |

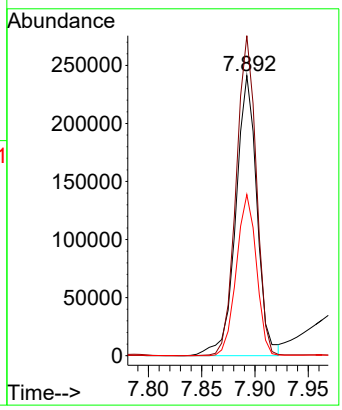





#27
2,4-Dimethylphenol
Concen: 42.064 ng
RT: 7.892 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:122 Resp: 33389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 114.2 | 91.3 | 136.9 |
| 121 | 57.5 | 45.5 | 68.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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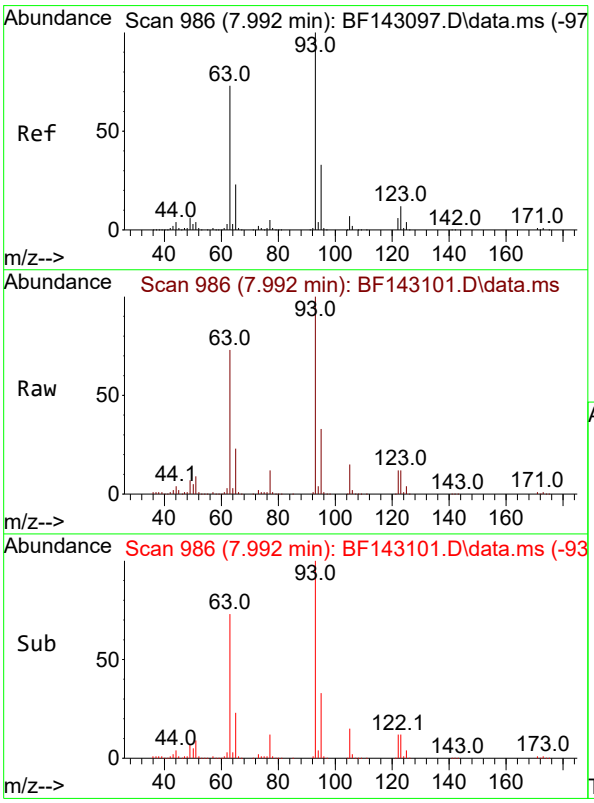
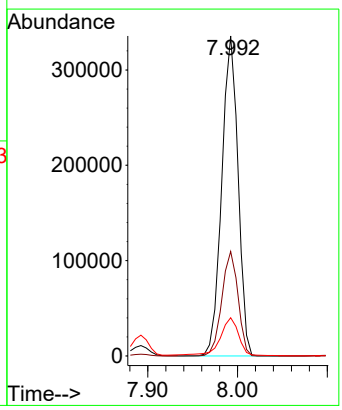
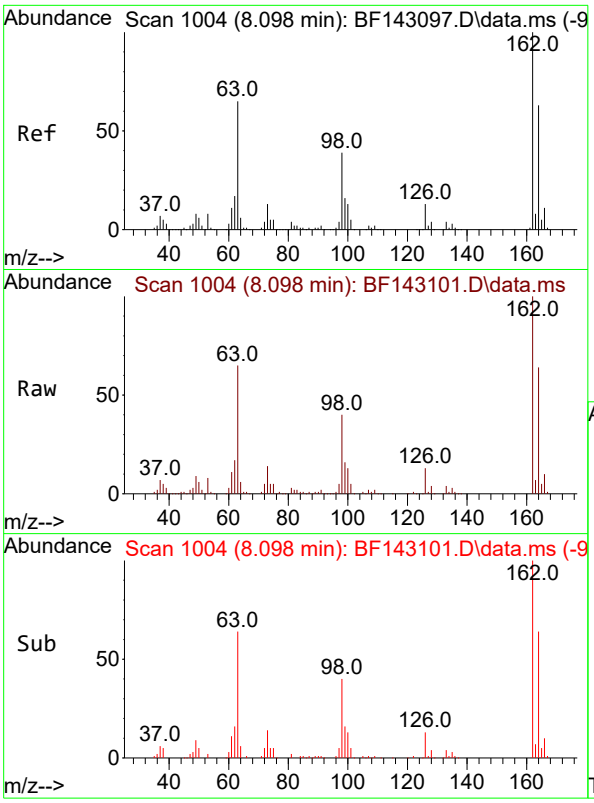



#28
bis(2-Chloroethoxy)methane
Concen: 40.789 ng
RT: 7.992 min Scan# 986
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 93 Resp: 423022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.6 | 26.2 | 39.4 |
| 123 | 11.9 | 9.6 | 14.4 |

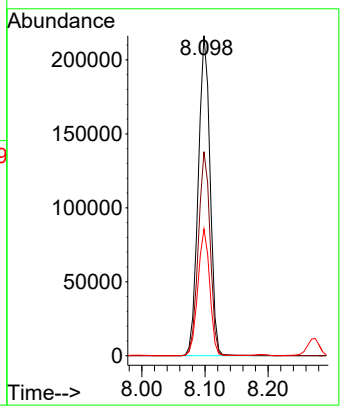





#29
2,4-Dichlorophenol
Concen: 43.580 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:162 Resp: 28301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.7 | 43.1 | 83.1 |
| 98 | 39.6 | 19.2 | 59.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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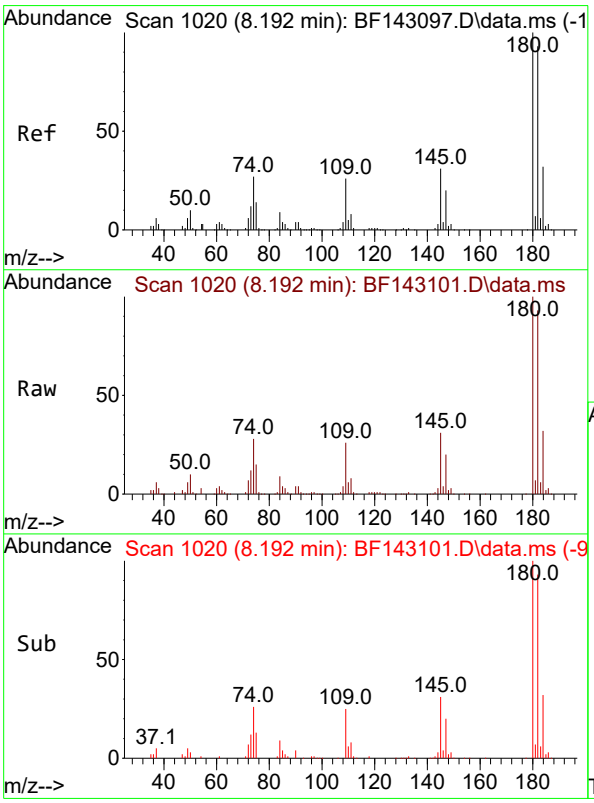
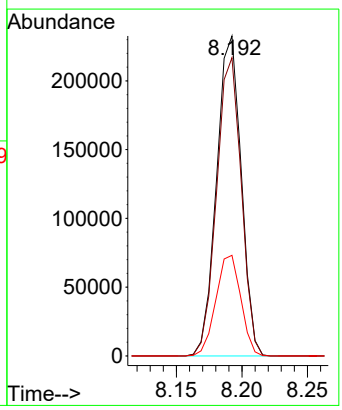
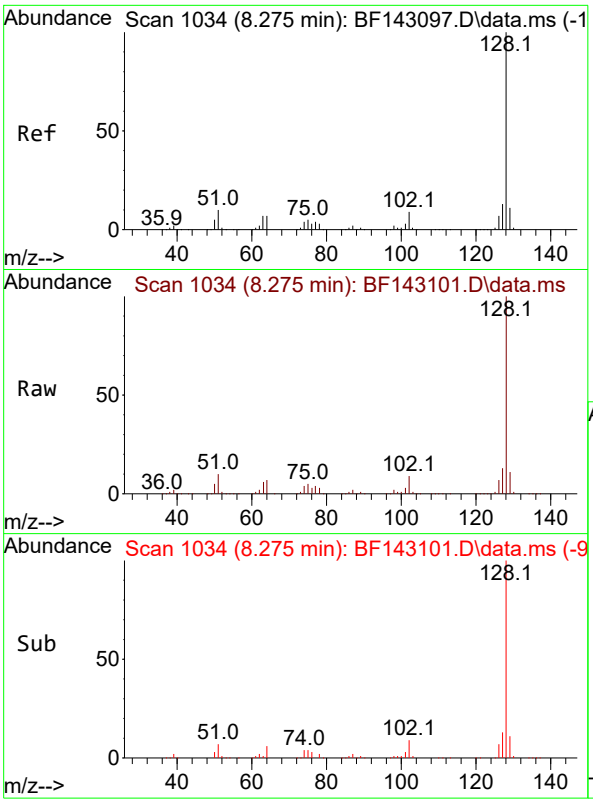



#30
1,2,4-Trichlorobenzene
Concen: 41.194 ng
RT: 8.192 min Scan# 1020
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:180 Resp: 303602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.2 | 74.7 | 112.1 |
| 145 | 31.4 | 24.5 | 36.7 |

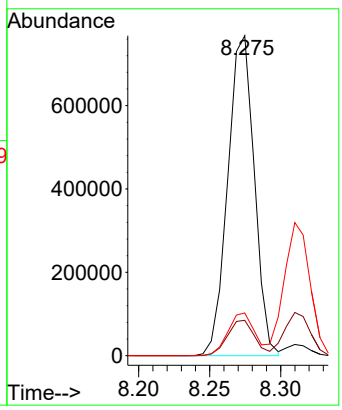





#31
Naphthalene
Concen: 40.543 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:128 Resp: 99936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 9.0 | 13.4 |
| 127 | 13.3 | 10.5 | 15.7 |




**Instrument :**
BNA_F
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ICVBF071525

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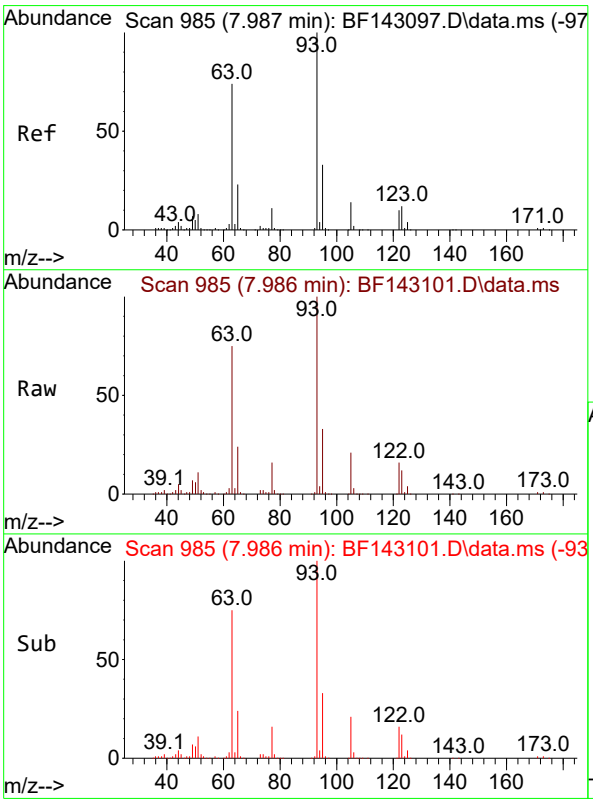
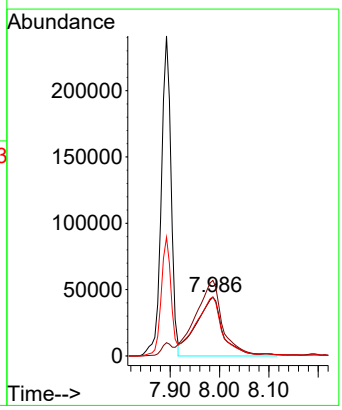
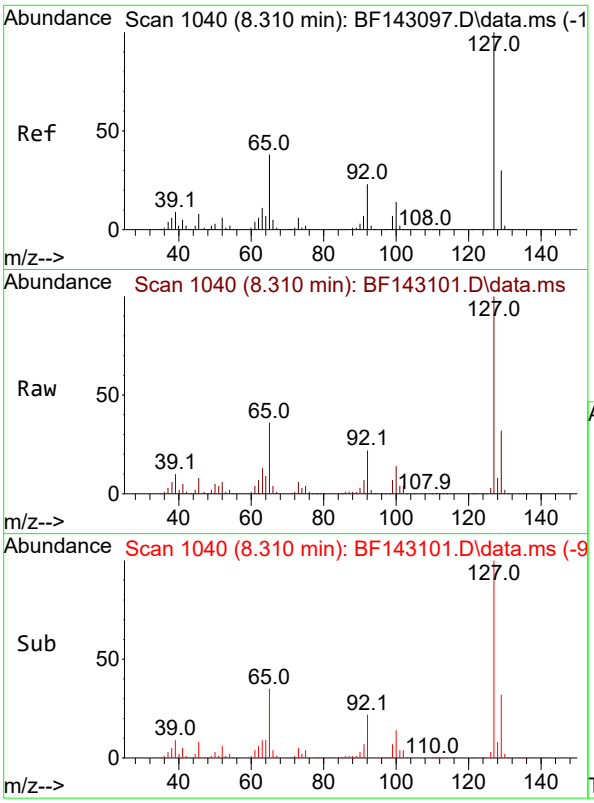



#32
Benzoic acid
Concen: 43.449 ng m
RT: 7.986 min Scan# 985
Delta R.T. -0.001 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:122 Resp: 169020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 128.4 | 105.4 | 145.4 |
| 77 | 100.3 | 78.6 | 118.6 |

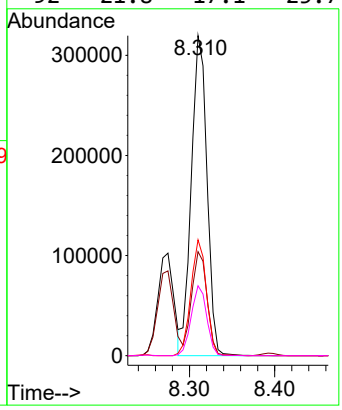





#33
4-Chloroaniline
Concen: 41.236 ng
RT: 8.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:127 Resp: 40874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.5 | 26.2 | 39.4 |
| 65 | 36.2 | 28.6 | 42.8 |
| 92 | 21.8 | 17.1 | 25.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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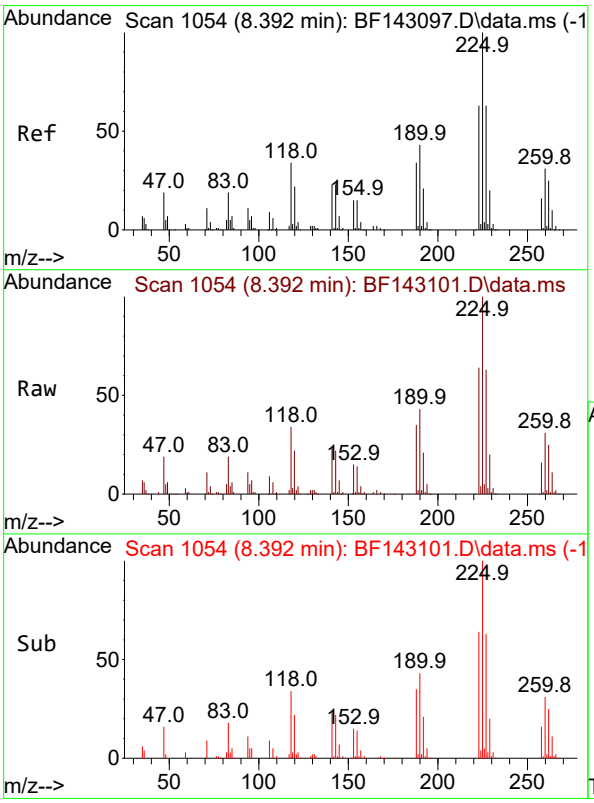
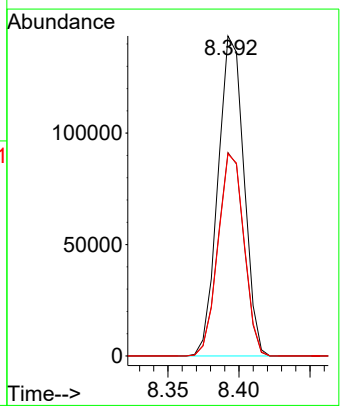
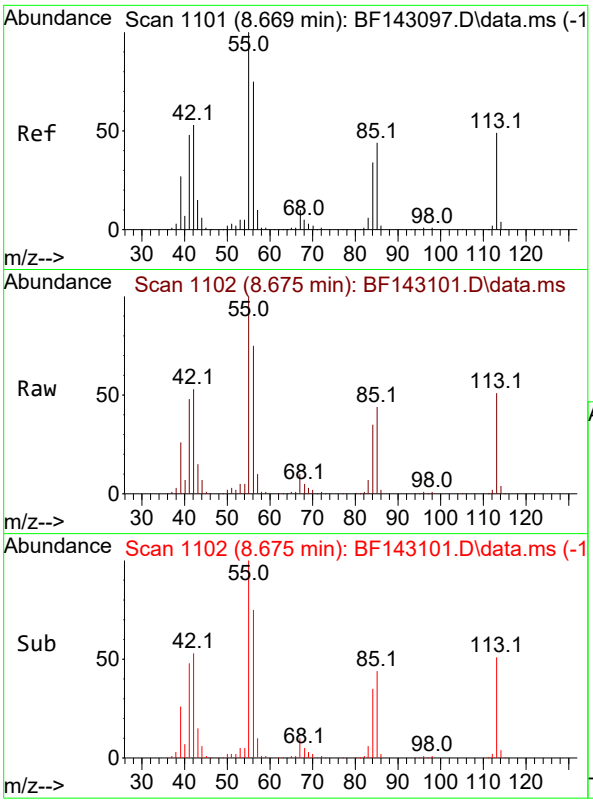



#34
Hexachlorobutadiene
Concen: 41.324 ng
RT: 8.392 min Scan# 1054
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:225 Resp: 182140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.6 | 50.3 | 75.5 |
| 227 | 63.1 | 50.1 | 75.1 |

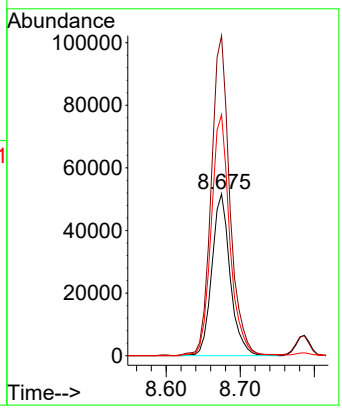





#35
Caprolactam
Concen: 43.536 ng
RT: 8.675 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:113 Resp: 8828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 197.8 | 186.2 | 226.2 |
| 56 | 148.9 | 134.1 | 174.1 |




**Instrument :**
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**ClientSampleId :**
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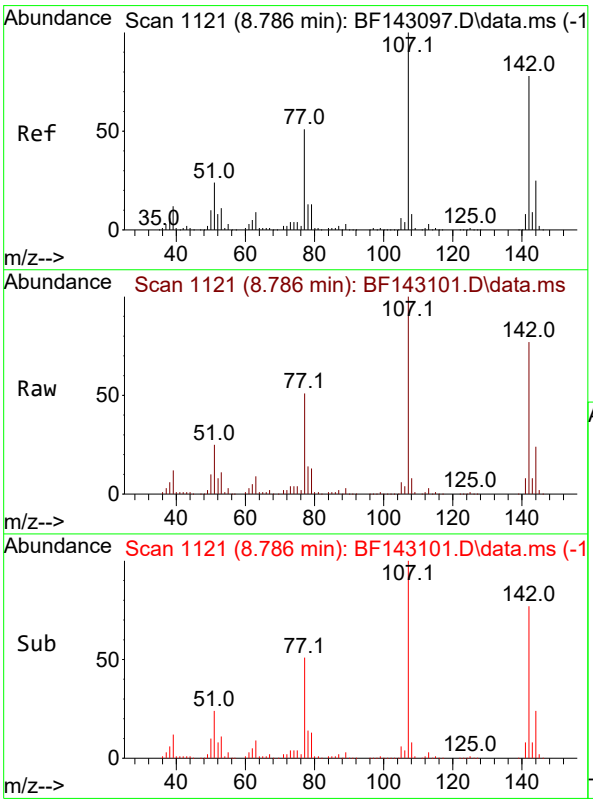
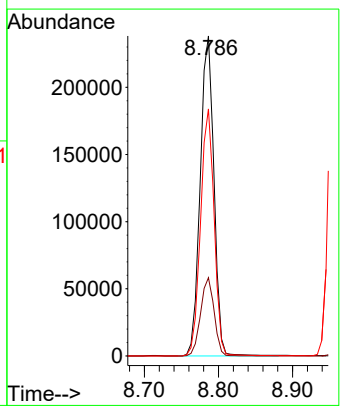
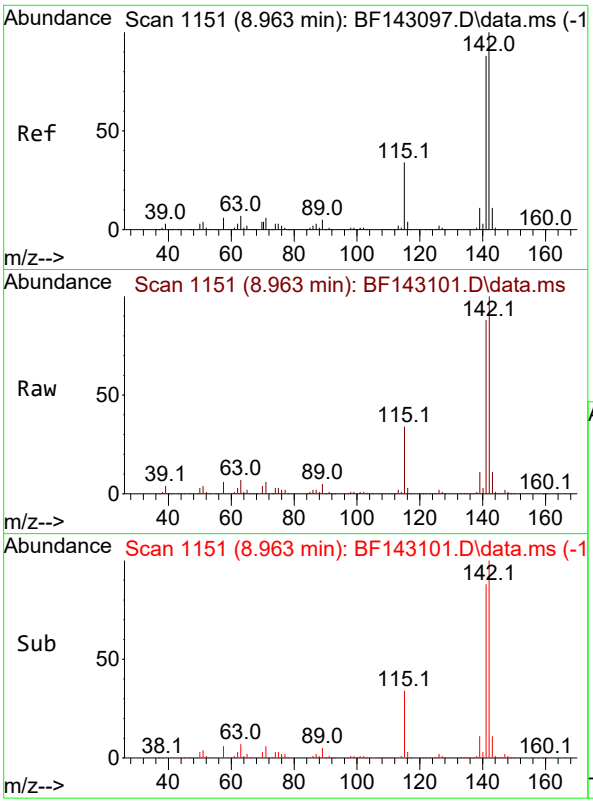



#36
4-Chloro-3-methylphenol
Concen: 42.387 ng
RT: 8.786 min Scan# 1121
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:107 Resp: 306624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.4 | 20.2 | 30.2 |
| 142 | 77.2 | 62.4 | 93.6 |

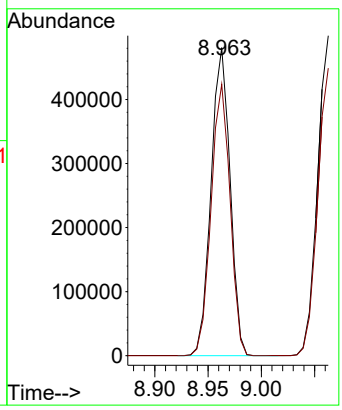





#37
2-Methylnaphthalene
Concen: 40.654 ng
RT: 8.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:142 Resp: 59781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.1 | 70.2 | 105.2 |




**Instrument :**
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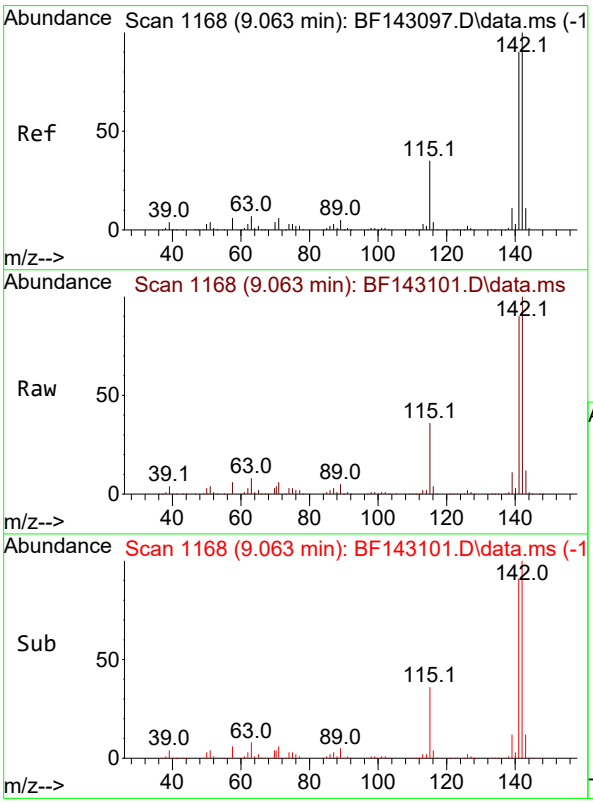
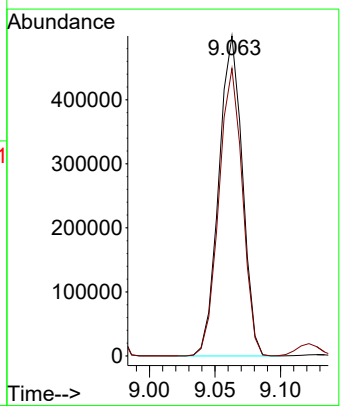
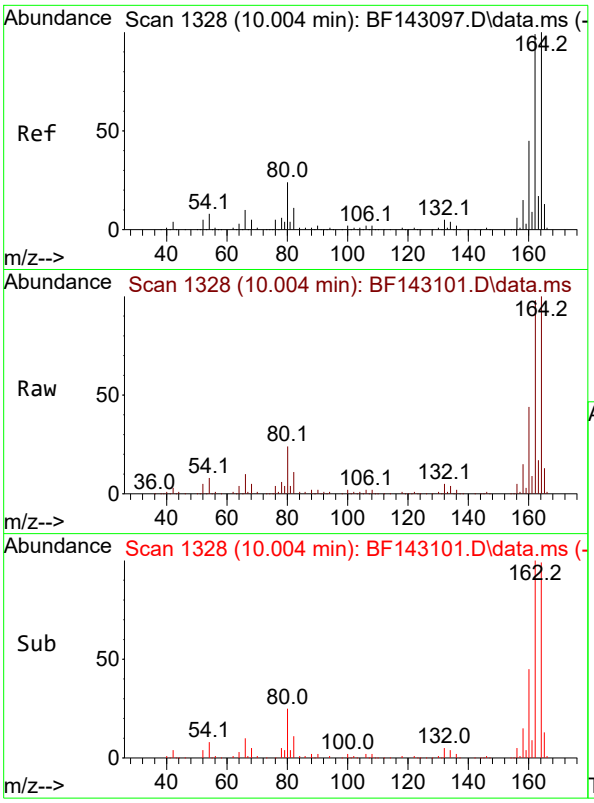



#38
1-Methylnaphthalene
Concen: 40.922 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:142 Resp: 624130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.9 | 72.2 | 108.4 |

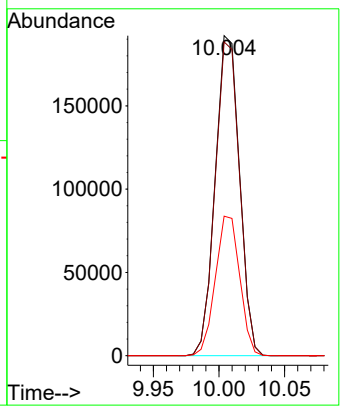





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:164 Resp: 24822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.1 | 79.0 | 118.6 |
| 160 | 43.6 | 35.8 | 53.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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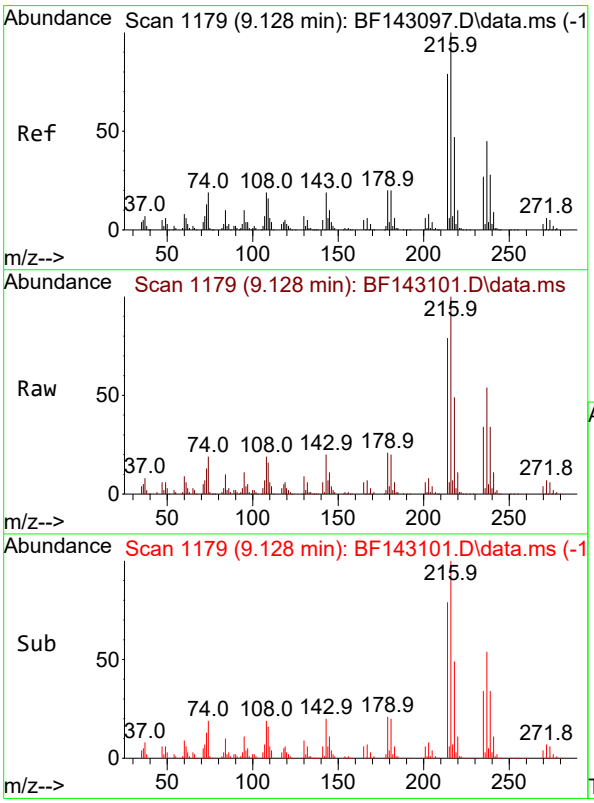
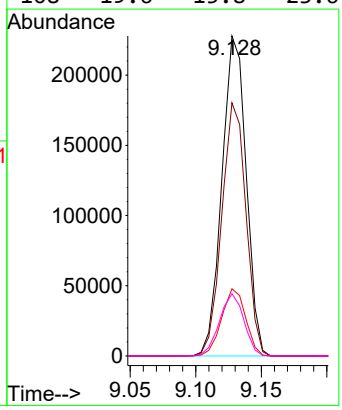
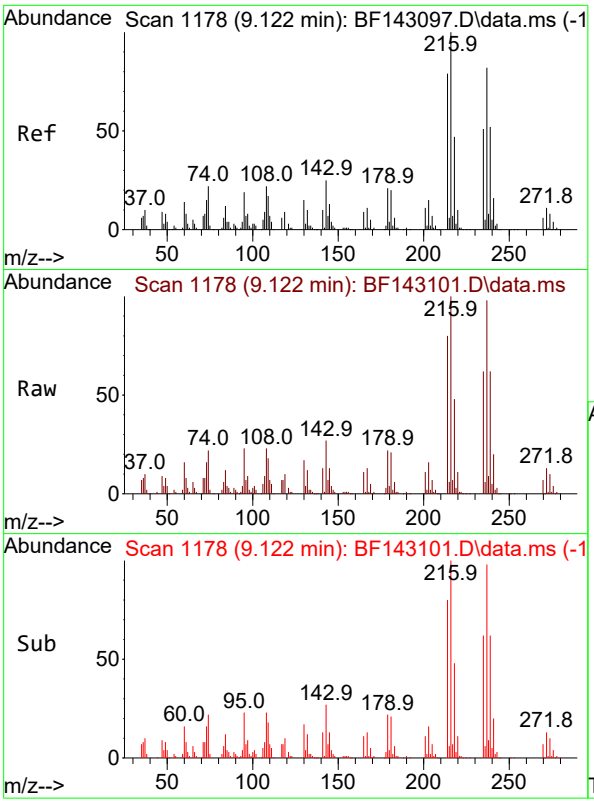



#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.531 ng
RT: 9.128 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:216 Resp: 293187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.6 | 62.6 | 94.0 |
| 179 | 20.8 | 16.2 | 24.2 |
| 108 | 19.6 | 15.8 | 23.6 |






#41
Hexachlorocyclopentadiene
Concen: 45.086 ng
RT: 9.122 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:237 Resp: 18081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.5 | 41.6 | 81.6 |
| 272 | 13.0 | 0.0 | 32.9 |

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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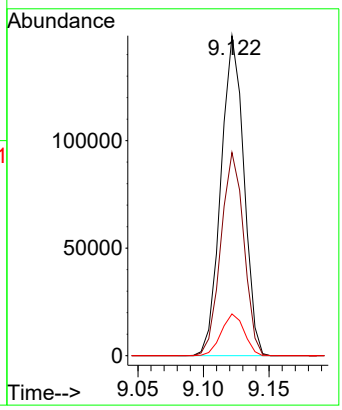
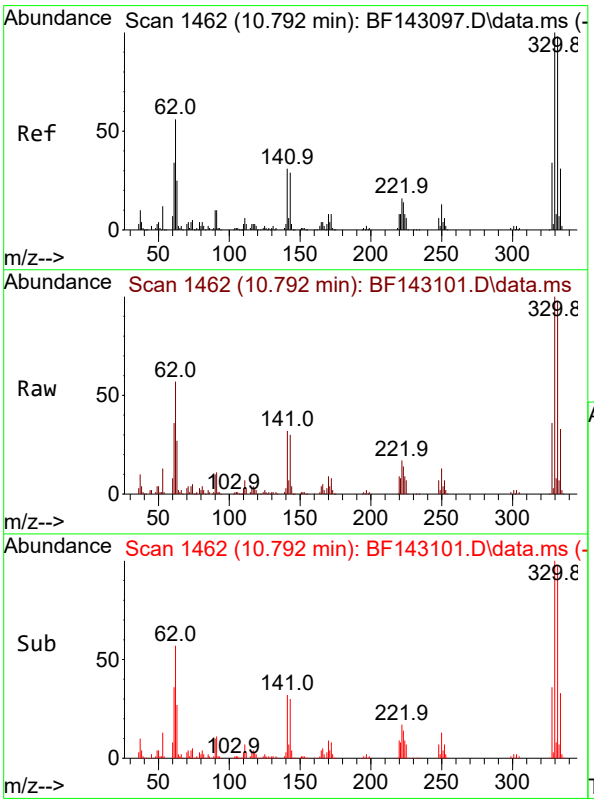
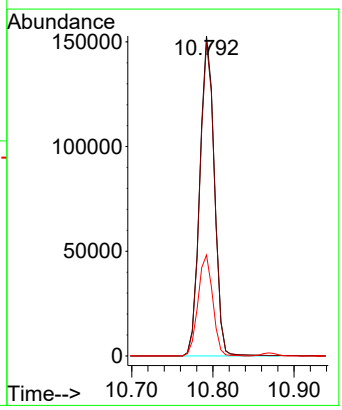


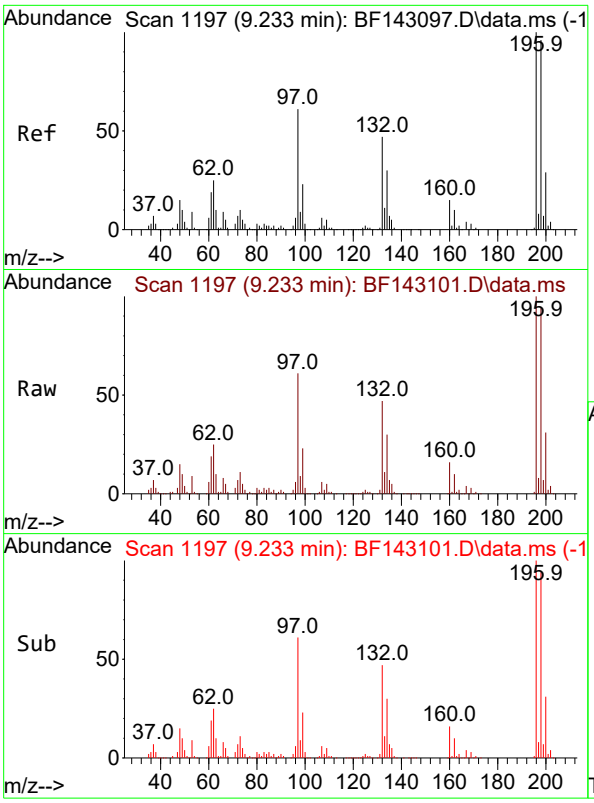




#42
2,4,6-Tribromophenol
Concen: 85.971 ng
RT: 10.792 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:330 Resp: 190277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.2 | 77.9 | 116.9 |
| 141 | 31.8 | 25.9 | 38.9 |

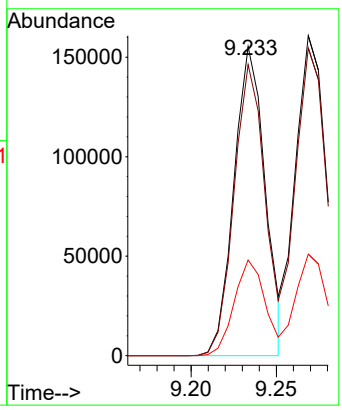





#43
2,4,6-Trichlorophenol
Concen: 43.955 ng
RT: 9.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:196 Resp: 19756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.2 | 76.9 | 115.3 |
| 200 | 30.9 | 23.5 | 35.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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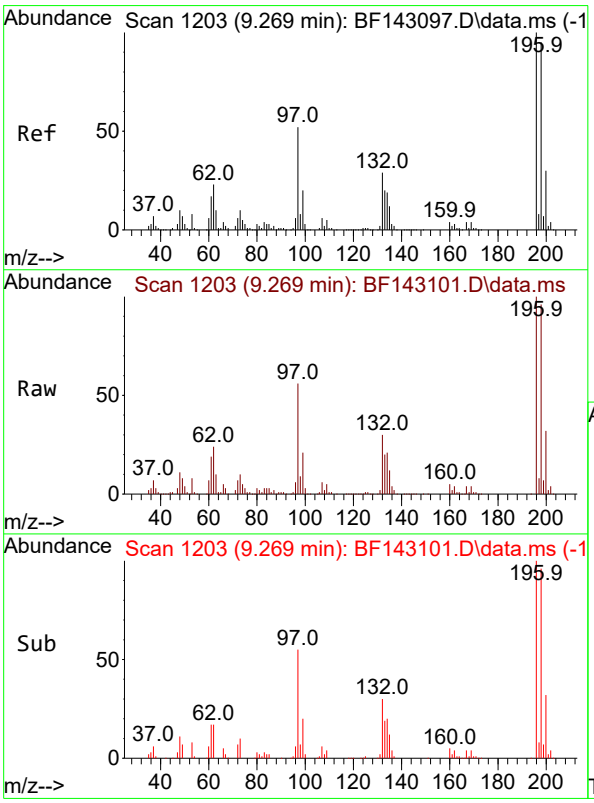
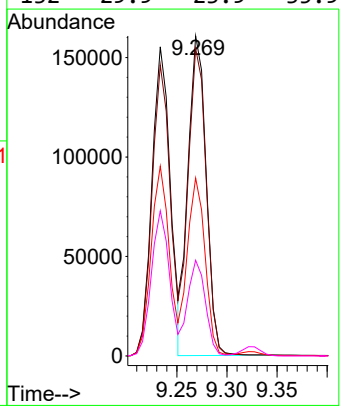
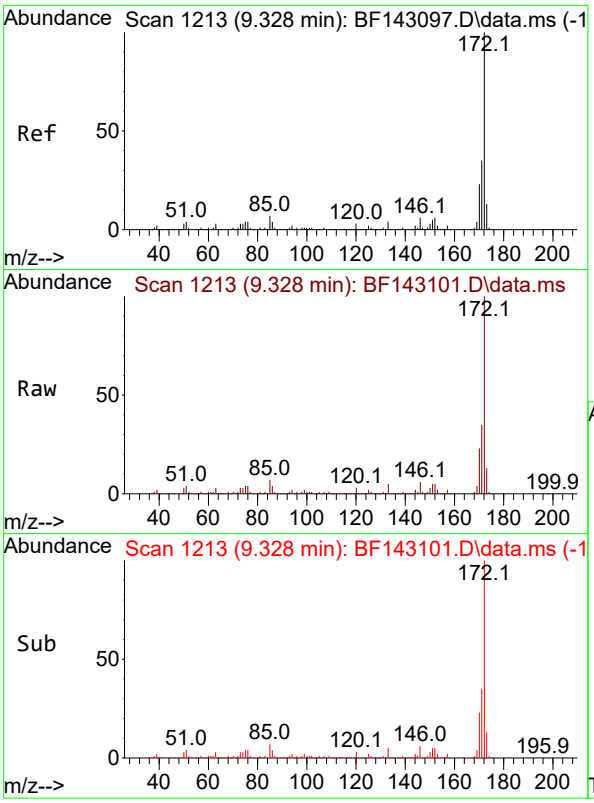



#44
2,4,5-Trichlorophenol
Concen: 43.001 ng
RT: 9.269 min Scan# 1203
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:196 Resp: 202658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.1 | 76.4 | 114.6 |
| 97 | 55.6 | 42.4 | 63.6 |
| 132 | 29.9 | 23.9 | 35.9 |

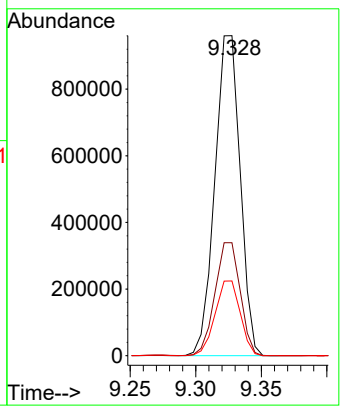





#45
2-Fluorobiphenyl
Concen: 69.090 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:172 Resp: 129014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 28.2 | 42.4 |
| 170 | 23.4 | 18.6 | 28.0 |




**Instrument :**
BNA_F
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ICVBF071525

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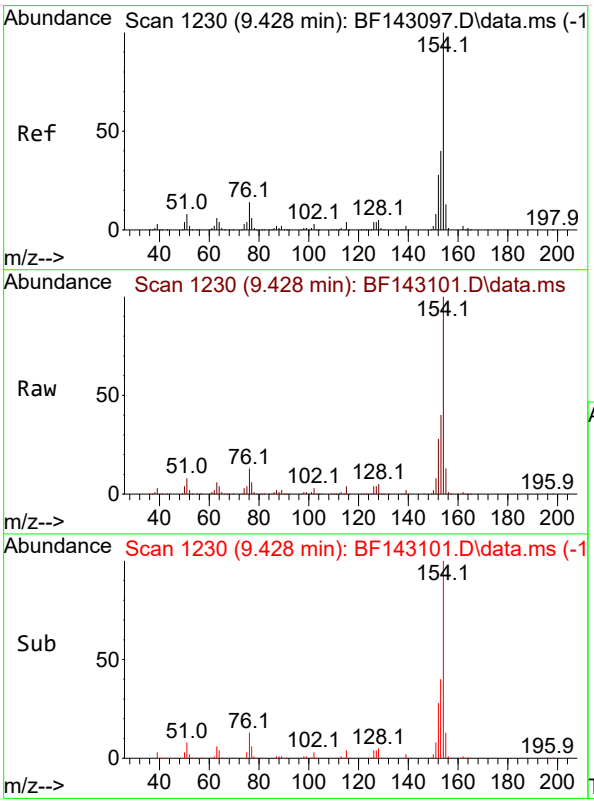
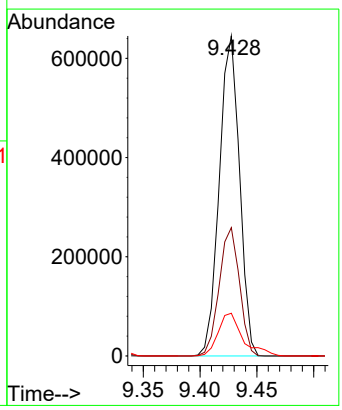
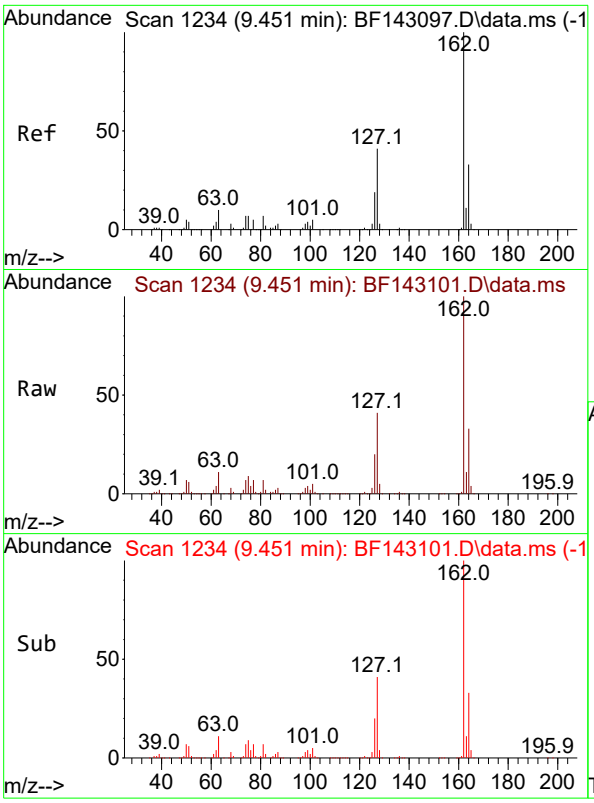



#46
1,1'-Biphenyl
Concen: 40.387 ng
RT: 9.428 min Scan# 1230
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:154 Resp: 799467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.1 | 20.1 | 60.1 |
| 76 | 13.4 | 0.0 | 33.7 |

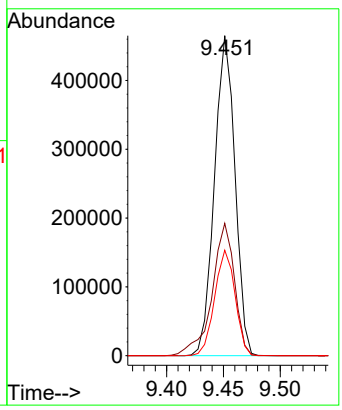





#47
2-Chloronaphthalene
Concen: 40.207 ng
RT: 9.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:162 Resp: 58468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.3 | 33.0 | 49.6 |
| 164 | 33.0 | 26.1 | 39.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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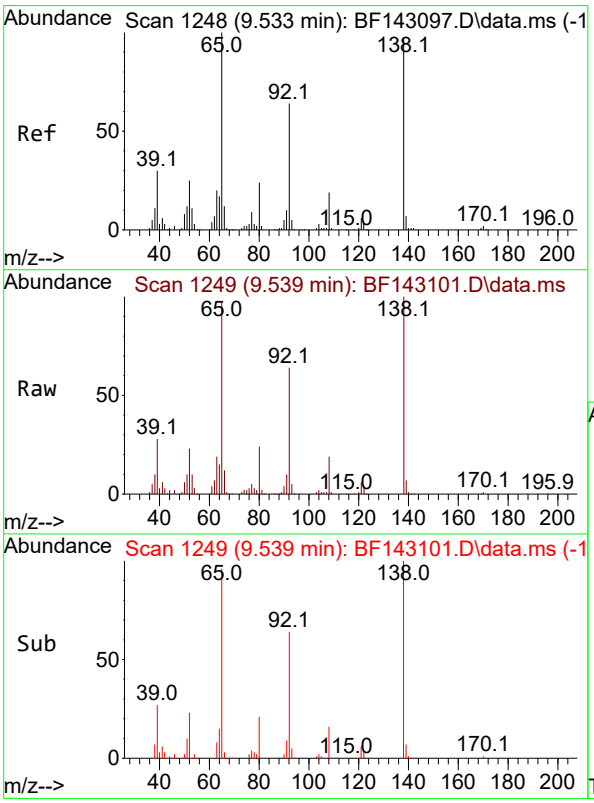
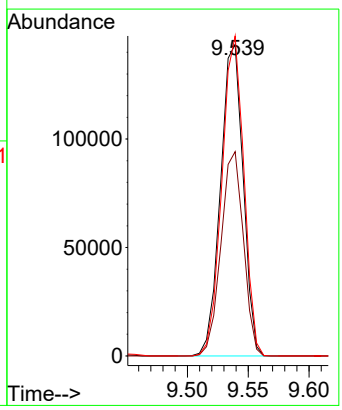
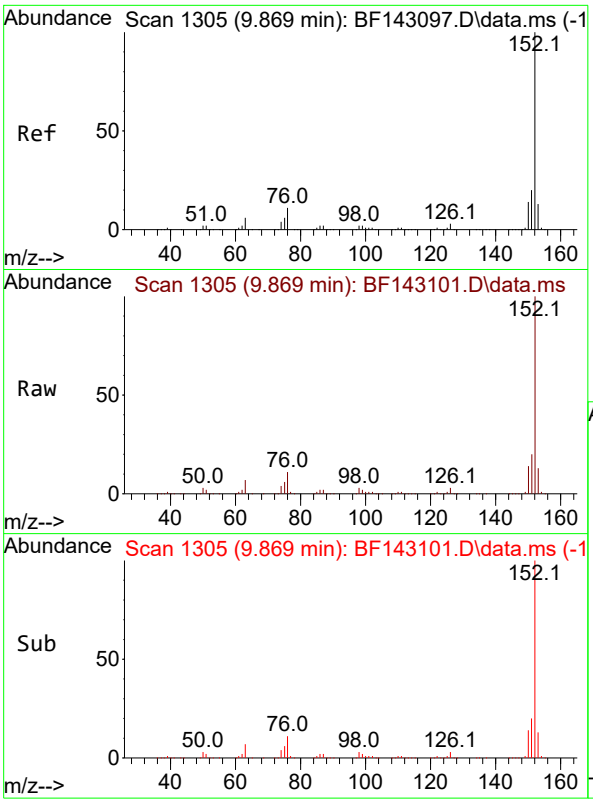



#48
2-Nitroaniline
Concen: 43.148 ng
RT: 9.539 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 65 Resp: 185847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 65.6 | 51.3 | 76.9 |
| 138 | 102.7 | 77.8 | 116.6 |

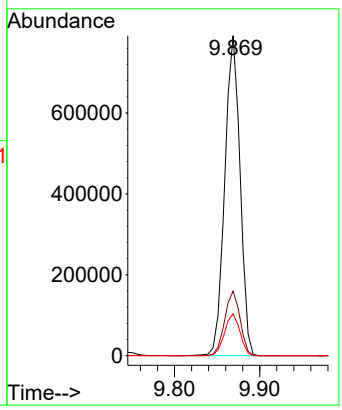





#49
Acenaphthylene
Concen: 40.736 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:152 Resp: 98710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.2 | 15.8 | 23.8 |
| 153 | 13.1 | 10.4 | 15.6 |




**Instrument :**
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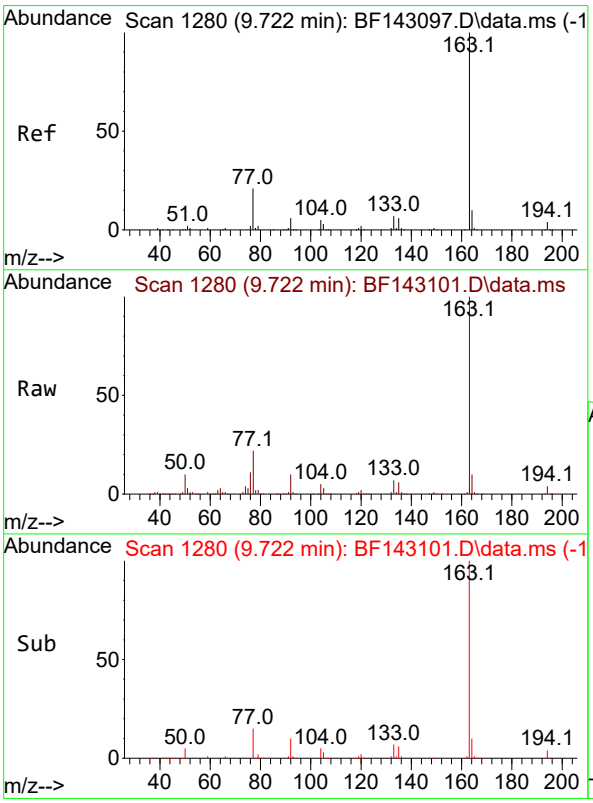
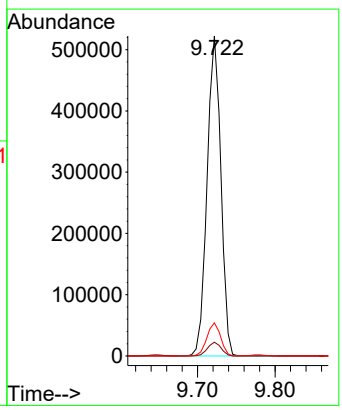
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

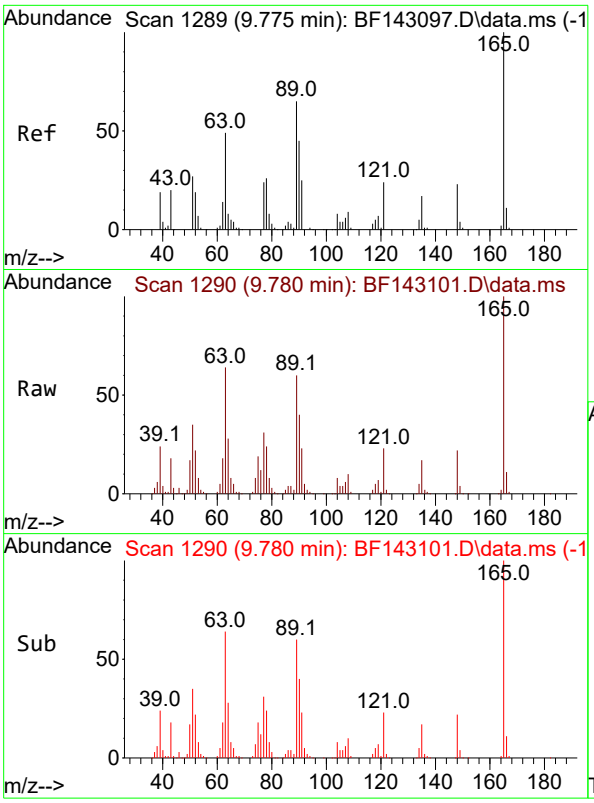



#50
Dimethylphthalate
Concen: 41.279 ng
RT: 9.722 min Scan# 1280
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:163 Resp: 644618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.4 | 5.2 |
| 164 | 10.3 | 8.2 | 12.2 |

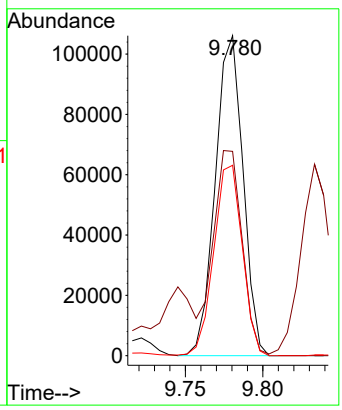





#51
2,6-Dinitrotoluene
Concen: 43.156 ng
RT: 9.780 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:165 Resp: 13224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 63.9 | 57.4 | 86.0 |
| 89 | 59.5 | 51.8 | 77.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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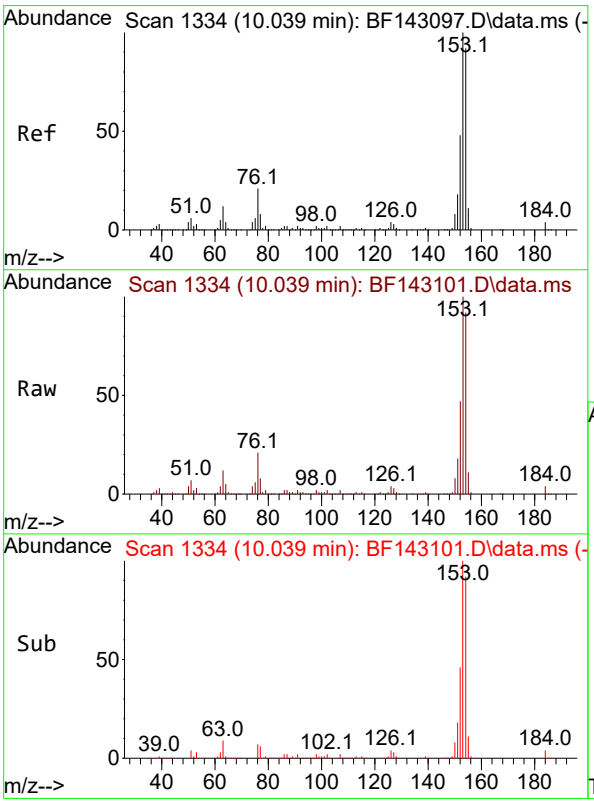
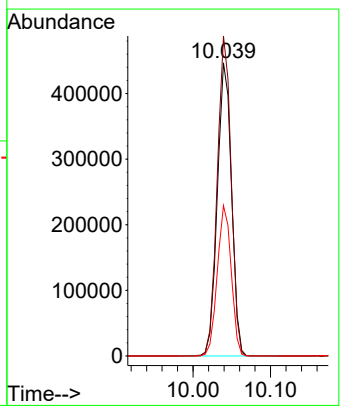
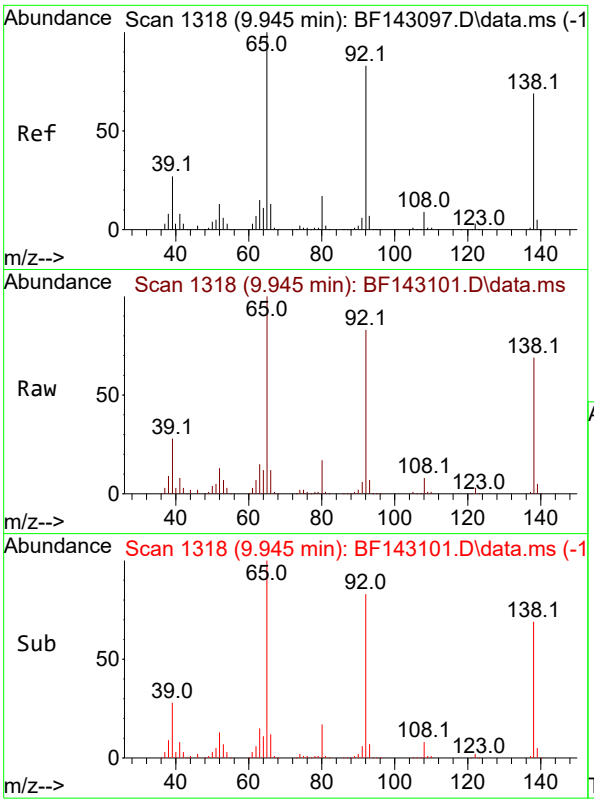



#52
Acenaphthene
Concen: 39.982 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:154 Resp: 571724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 109.2 | 86.7 | 130.1 |
| 152 | 51.3 | 41.4 | 62.2 |






#53
3-Nitroaniline
Concen: 47.707 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:138 Resp: 16097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.7 | 10.1 | 15.1 |
| 92 | 119.9 | 96.4 | 144.6 |

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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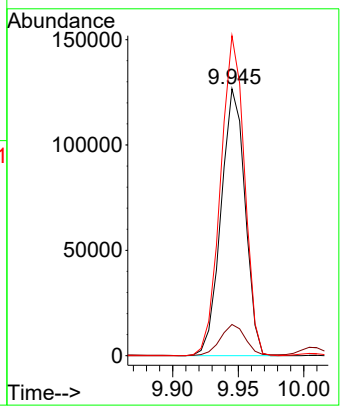
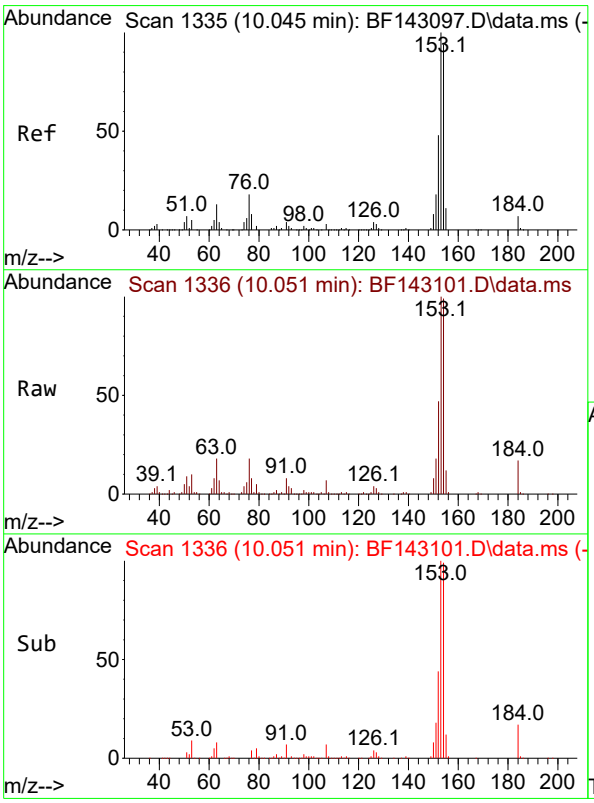
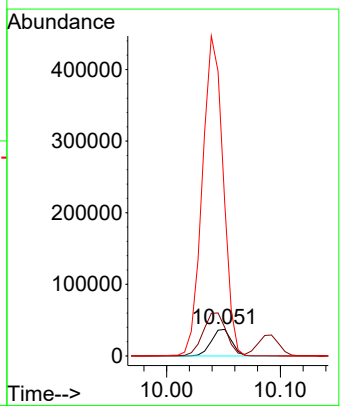


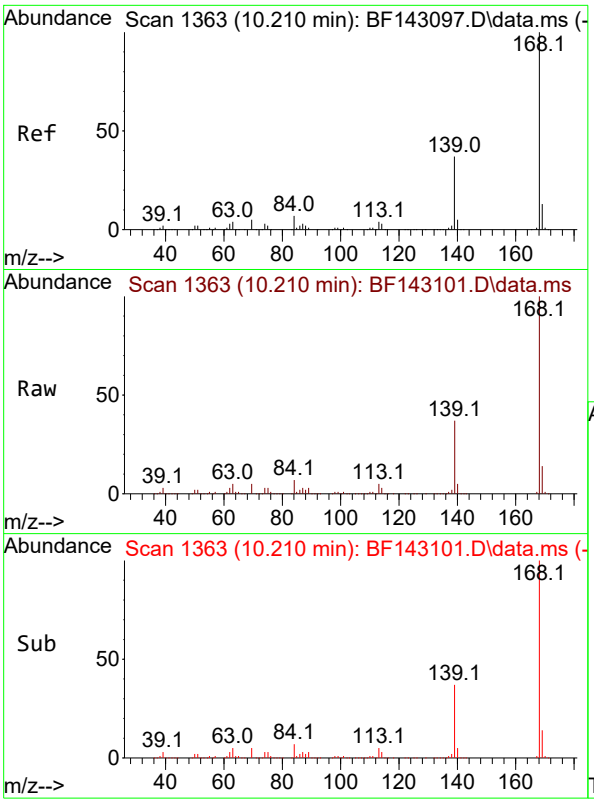




#54
2,4-Dinitrophenol
Concen: 47.113 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:184 Resp: 46465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 106.9 | 149.3 | 223.9# |
| 154 | 573.8 | 1048.0 | 1572.0# |

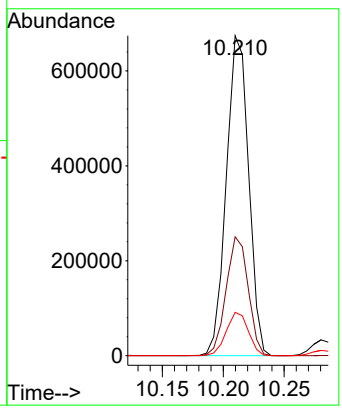





#55
Dibenzofuran
Concen: 40.300 ng
RT: 10.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:168 Resp: 85894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.2 | 29.8 | 44.6 |
| 169 | 13.5 | 10.8 | 16.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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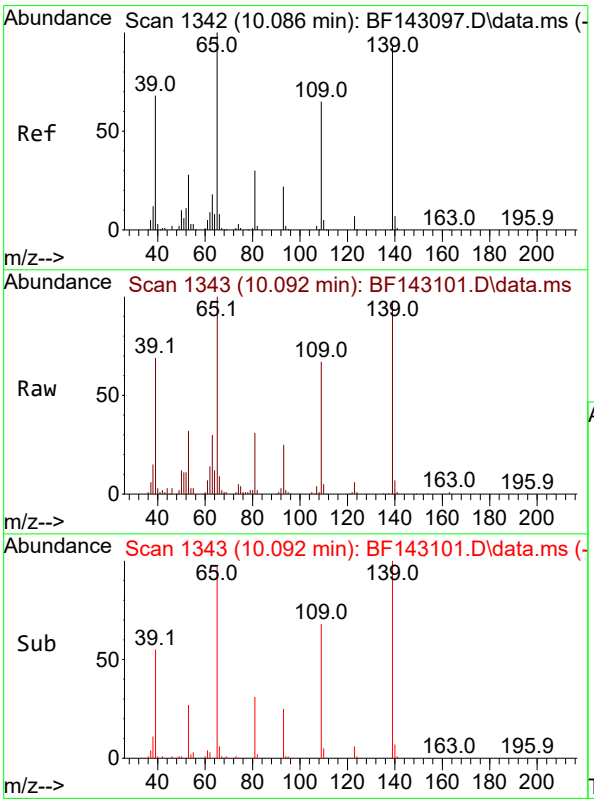
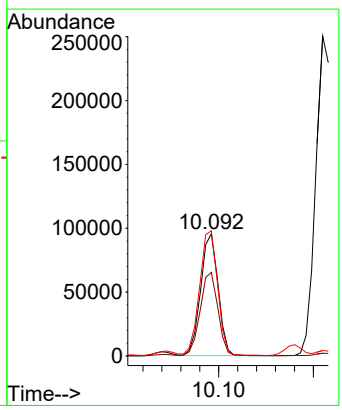
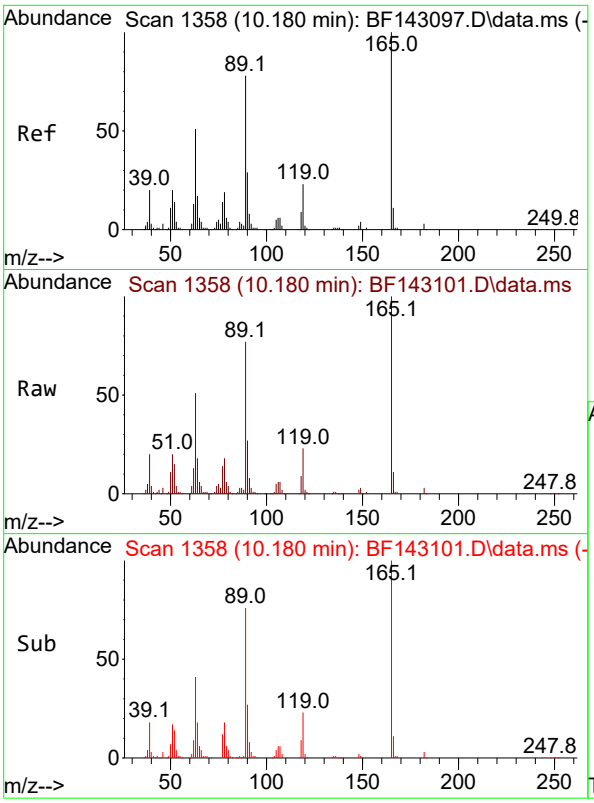



#56
4-Nitrophenol
Concen: 45.720 ng
RT: 10.092 min Scan# 1343
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:139 Resp: 122610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 68.4 | 49.4 | 89.4 |
| 65 | 102.5 | 88.2 | 128.2 |

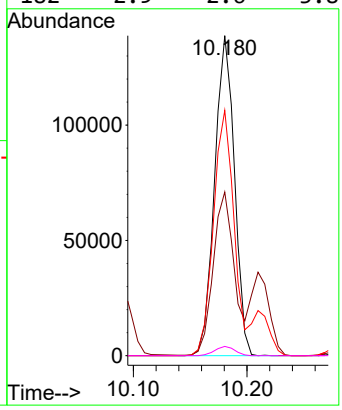





#57
2,4-Dinitrotoluene
Concen: 43.964 ng
RT: 10.180 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:165 Resp: 16822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 51.2 | 40.6 | 61.0 |
| 89 | 76.6 | 62.3 | 93.5 |
| 182 | 2.9 | 2.6 | 3.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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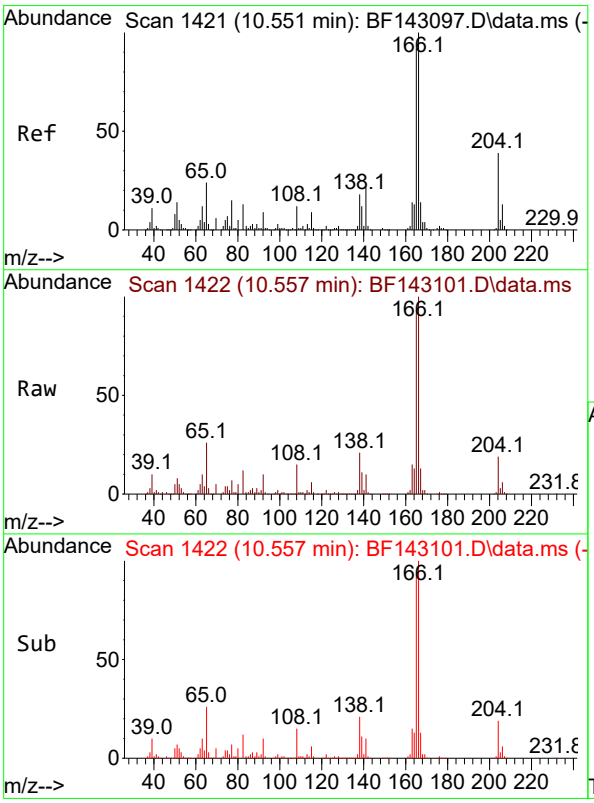
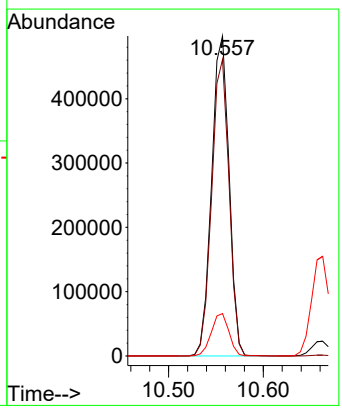
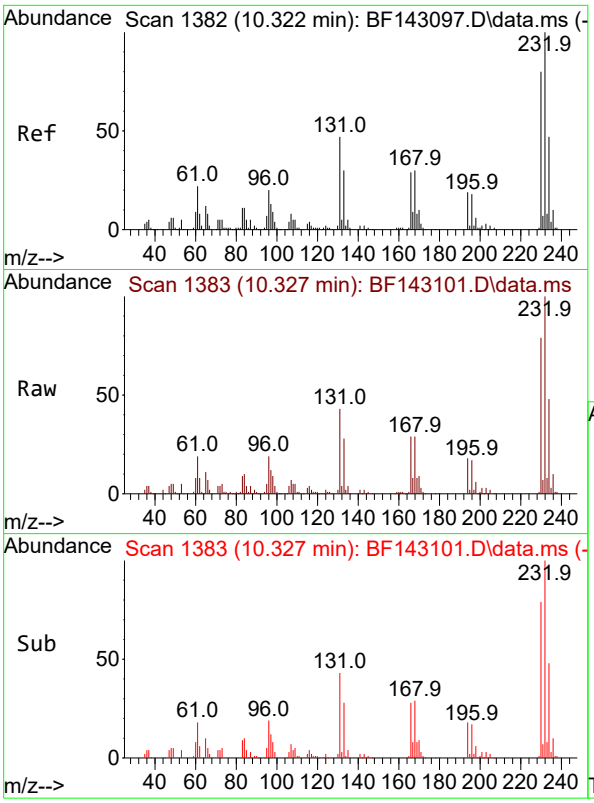



#58
Fluorene
Concen: 39.732 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:166 Resp: 634897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 92.6 | 73.7 | 110.5 |
| 167 | 13.3 | 10.9 | 16.3 |

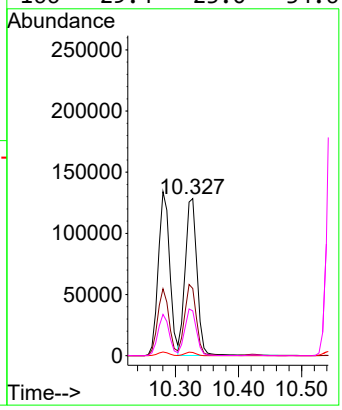





#59
2,3,4,6-Tetrachlorophenol
Concen: 44.902 ng
RT: 10.327 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:232 Resp: 16817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 44.4 | 36.9 | 55.3 |
| 130 | 2.1 | 1.8 | 2.8 |
| 166 | 29.4 | 23.0 | 34.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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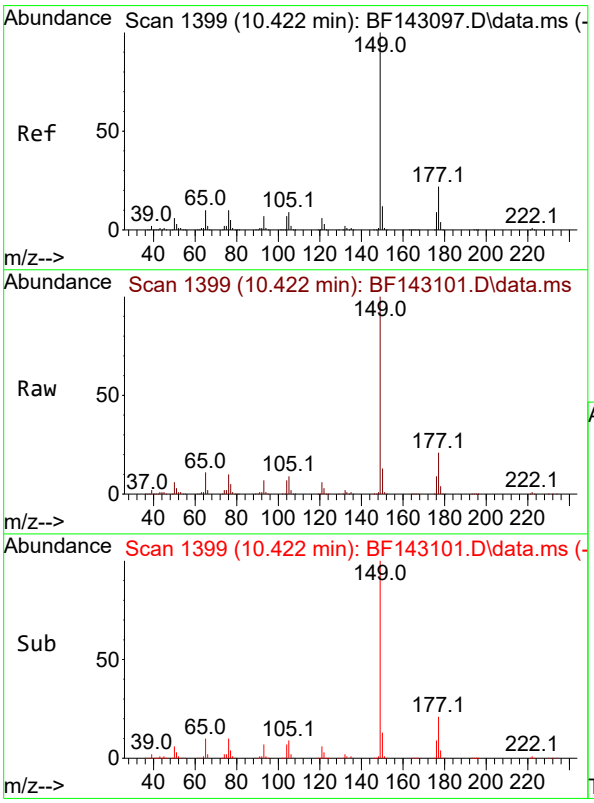
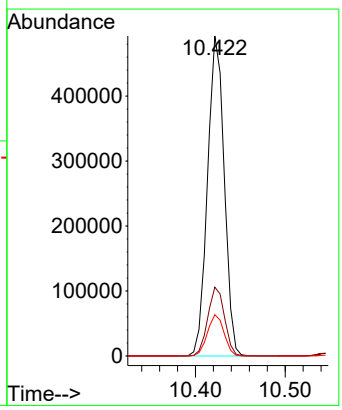
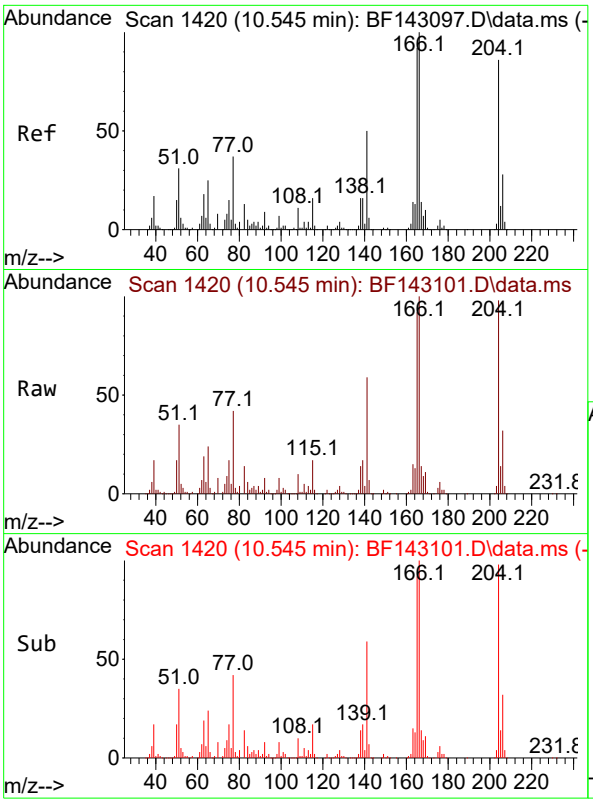



#60
Diethylphthalate
Concen: 42.297 ng
RT: 10.422 min Scan# 1399
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:149 Resp: 637247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.5 | 17.3 | 25.9 |
| 150 | 12.9 | 9.9 | 14.9 |

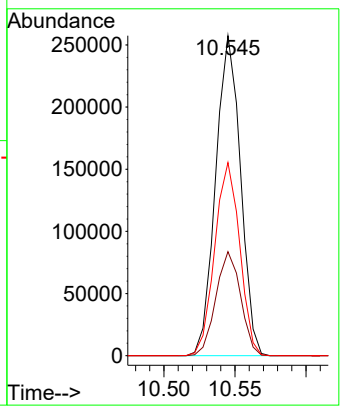





#61
4-Chlorophenyl-phenylether
Concen: 40.882 ng
RT: 10.545 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:204 Resp: 31311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.5 | 25.8 | 38.6 |
| 141 | 60.4 | 46.8 | 70.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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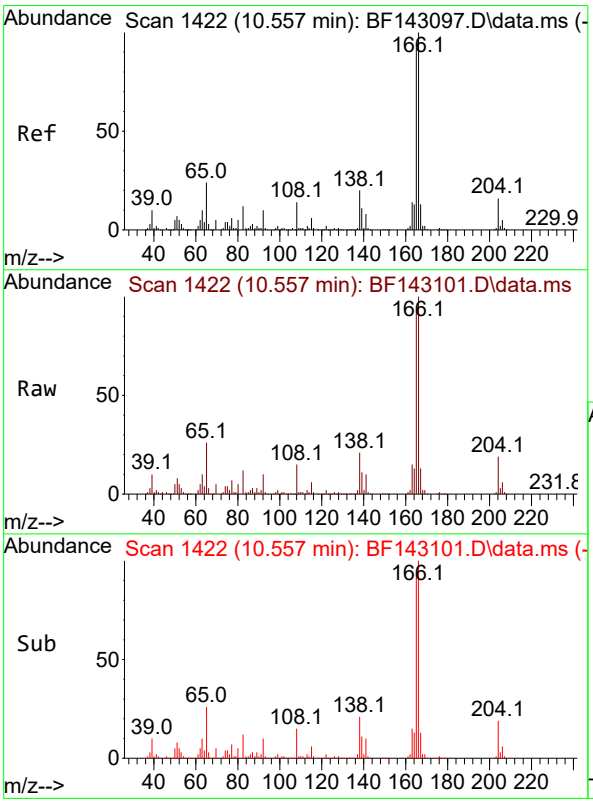
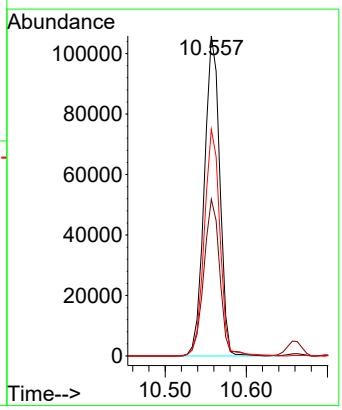
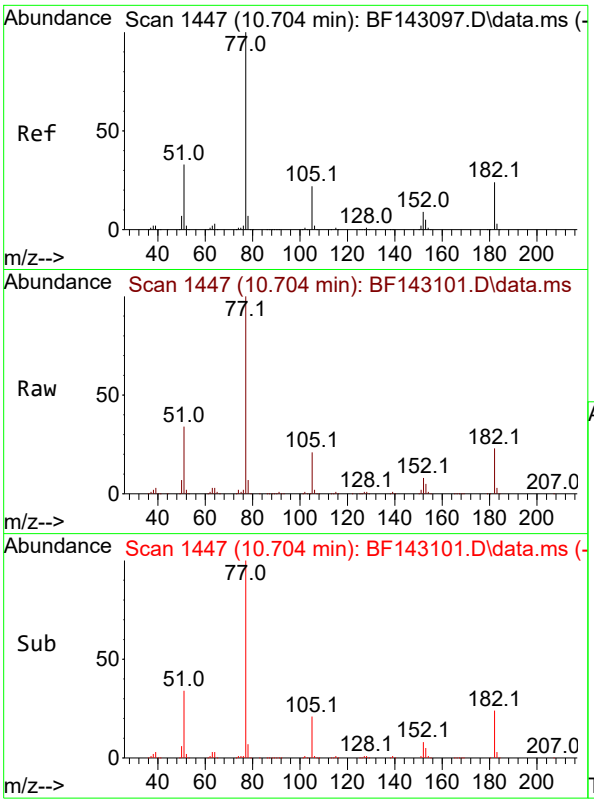



#62
4-Nitroaniline
Concen: 47.486 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:138 Resp: 139342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.0 | 30.4 | 70.4 |
| 108 | 70.8 | 49.5 | 89.5 |

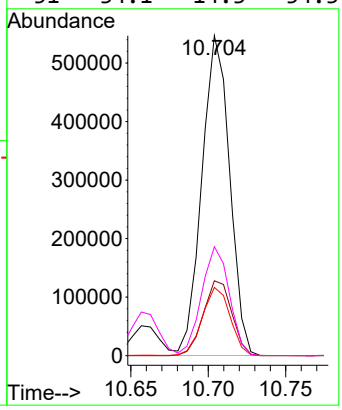





#63
Azobenzene
Concen: 40.833 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 77 Resp: 68035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 23.4 | 4.0 | 44.0 |
| 105 | 21.3 | 1.4 | 41.4 |
| 51 | 34.1 | 14.3 | 54.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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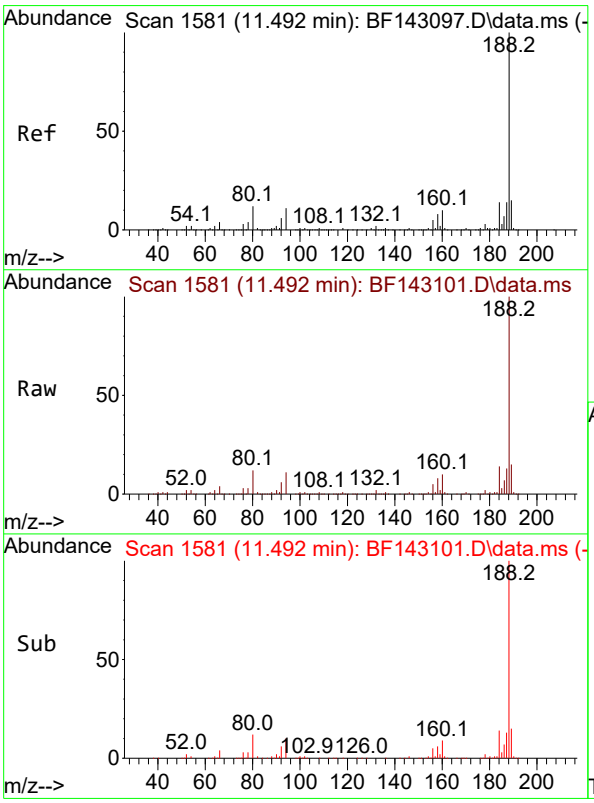
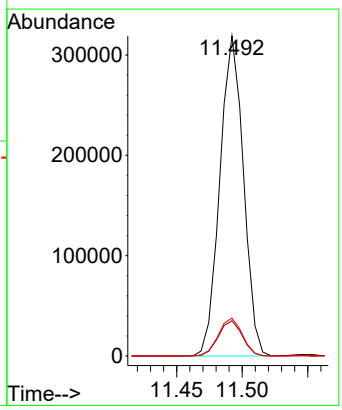
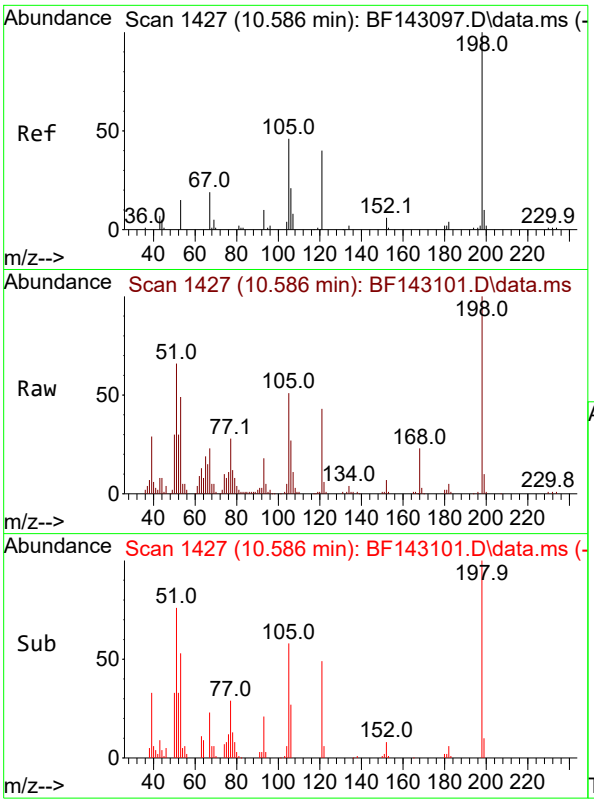



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:188 Resp: 398969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.0 | 8.6 | 13.0 |
| 80 | 11.9 | 9.3 | 13.9 |

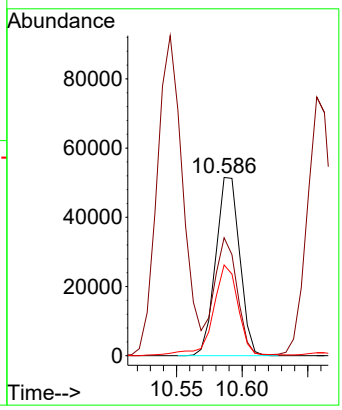





#65
4,6-Dinitro-2-methylphenol
Concen: 44.754 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:198 Resp: 6526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 66.2 | 44.6 | 84.6 |
| 105 | 50.9 | 29.3 | 69.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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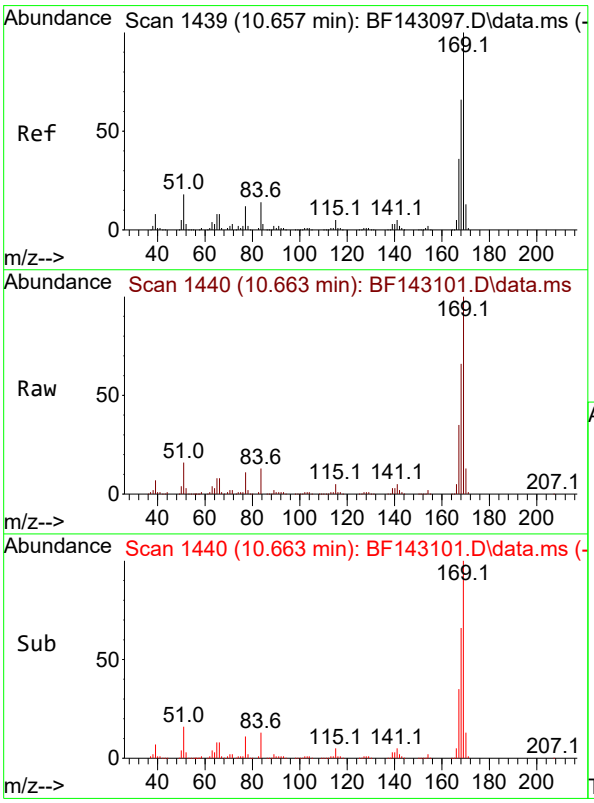
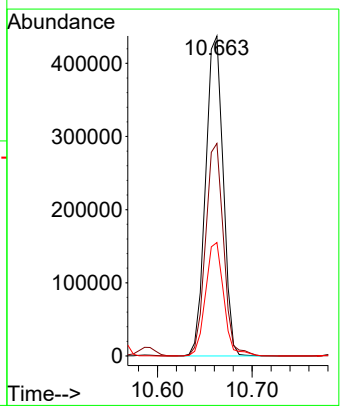
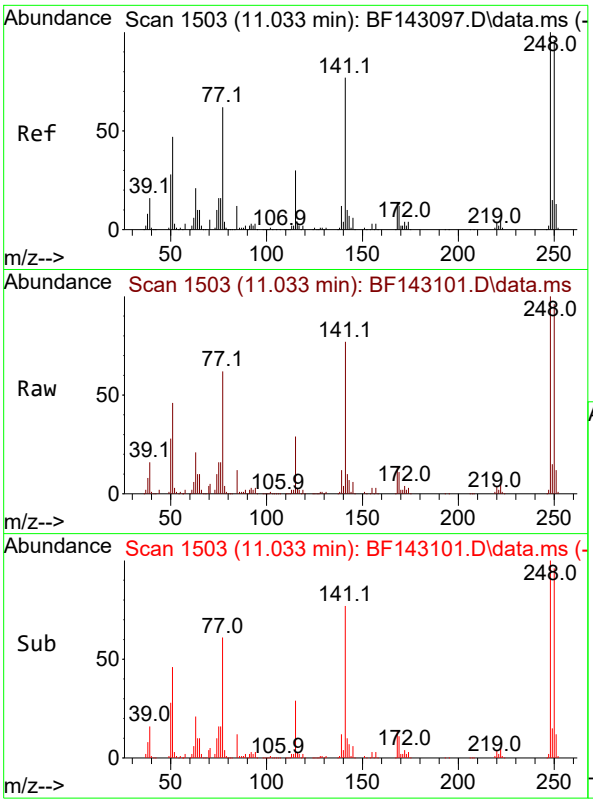



#66
n-Nitrosodiphenylamine
Concen: 40.179 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:169 Resp: 563086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.4 | 53.0 | 79.6 |
| 167 | 35.5 | 28.4 | 42.6 |

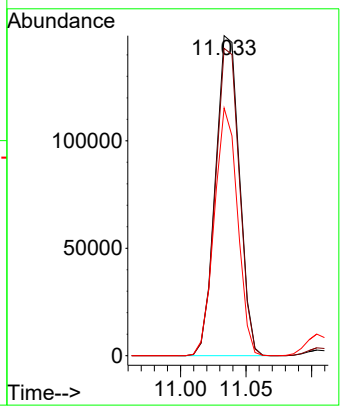





#67
4-Bromophenyl-phenylether
Concen: 41.782 ng
RT: 11.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:248 Resp: 18957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.0 | 76.7 | 115.1 |
| 141 | 77.4 | 61.7 | 92.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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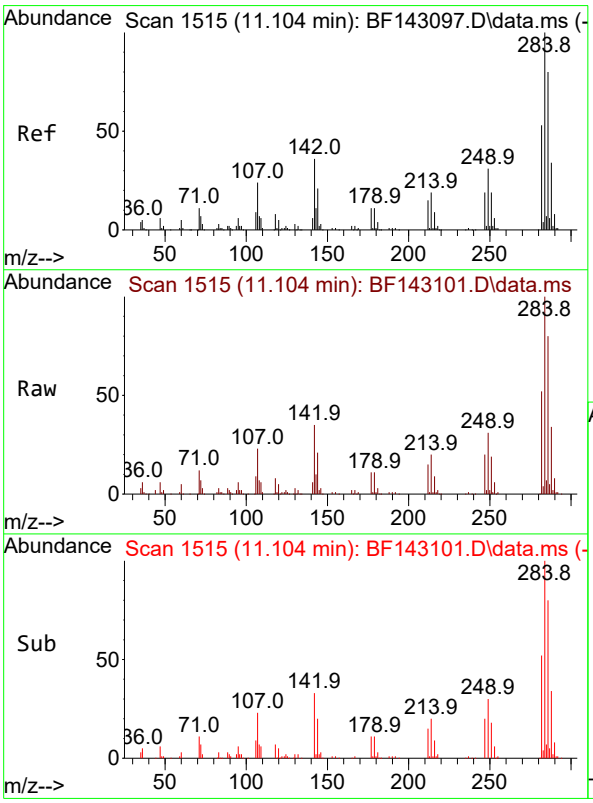
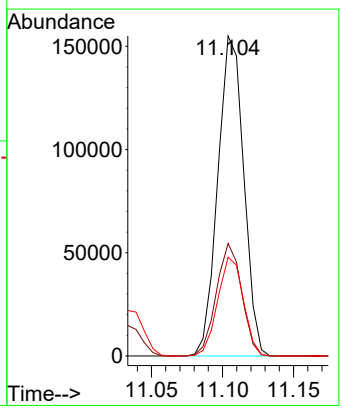
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

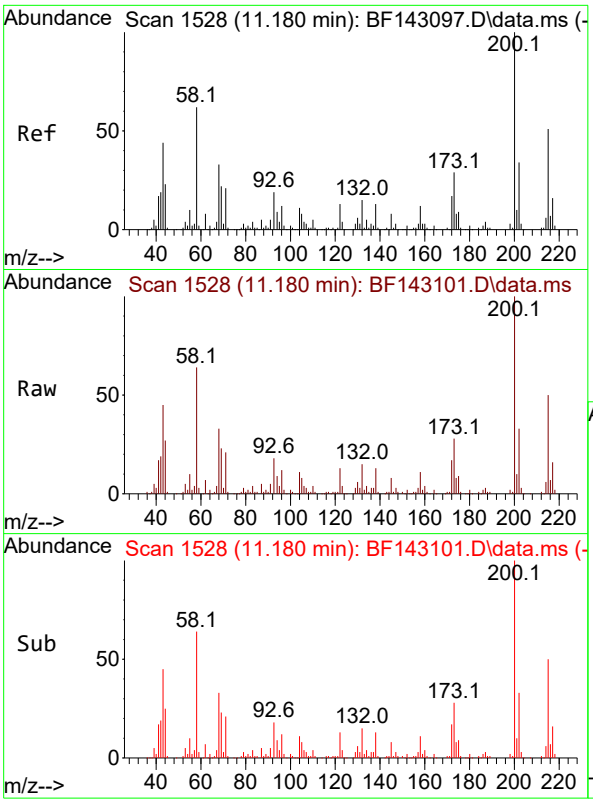



#68
Hexachlorobenzene
Concen: 40.915 ng
RT: 11.104 min Scan# 1515
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:284 Resp: 196969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 35.1 | 28.9 | 43.3 |
| 249 | 30.9 | 24.6 | 37.0 |

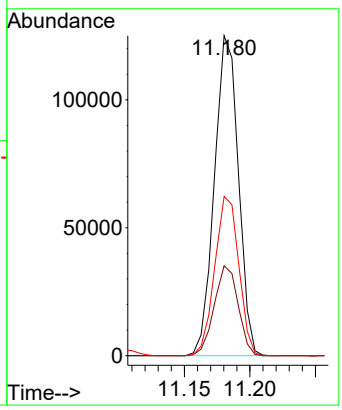





#69
Atrazine
Concen: 44.273 ng
RT: 11.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:200 Resp: 15874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 28.1 | 9.1 | 49.1 |
| 215 | 49.8 | 31.0 | 71.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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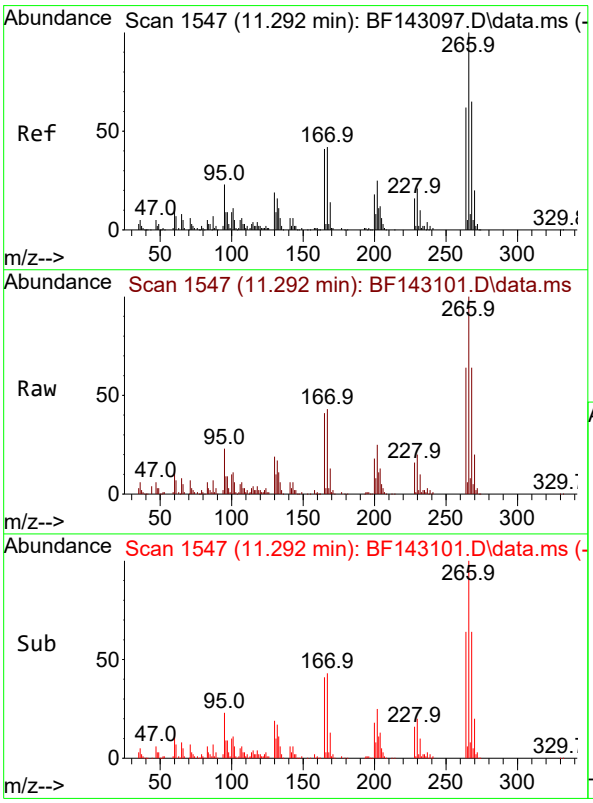
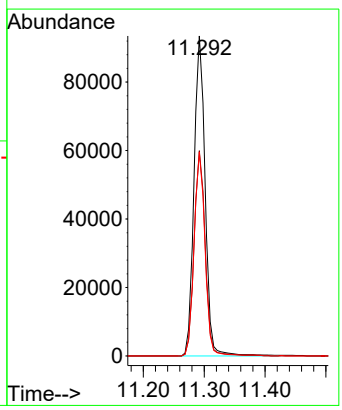
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

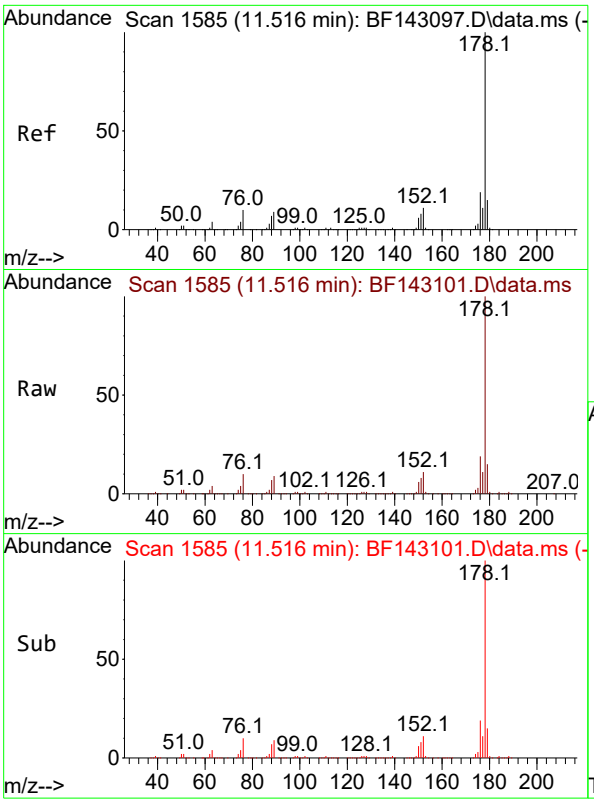



#70
Pentachlorophenol
Concen: 44.978 ng
RT: 11.292 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:266 Resp: 118797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.1 | 51.8 | 77.6 |
| 264 | 63.7 | 49.7 | 74.5 |

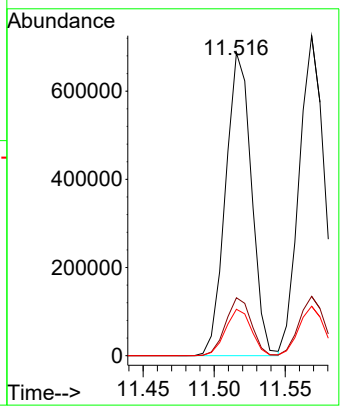





#71
Phenanthrene
Concen: 40.469 ng
RT: 11.516 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:178 Resp: 87136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 15.1 | 22.7 |
| 179 | 15.3 | 12.2 | 18.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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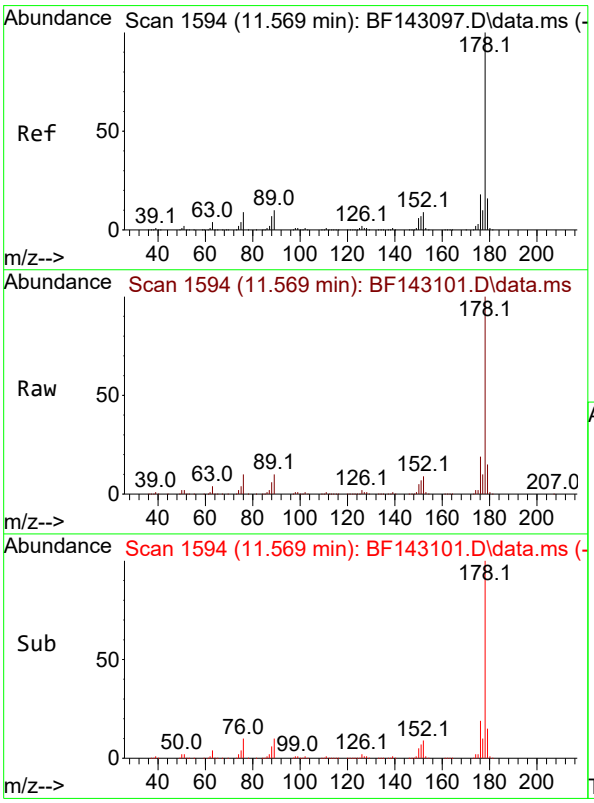
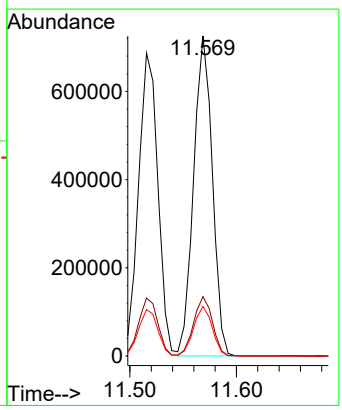
Supervised By :Jagrut Upadhyay 07/16/2025

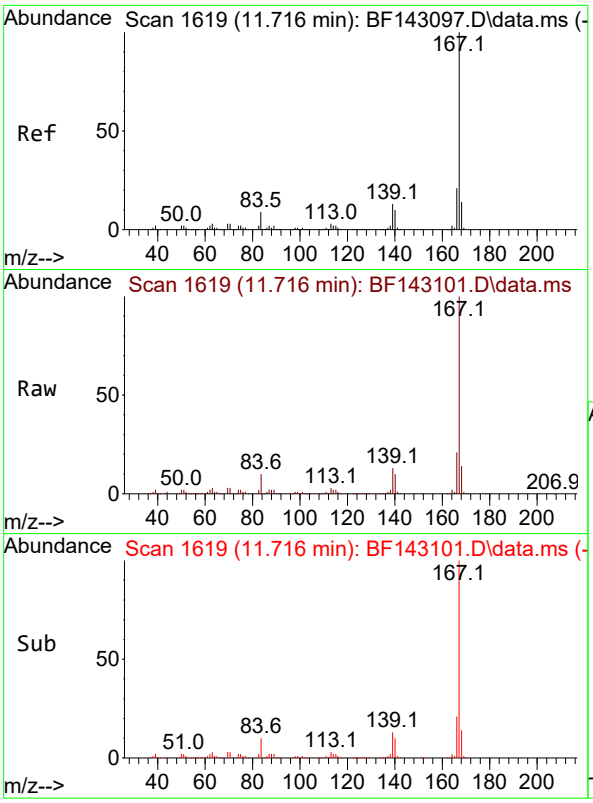



#72
Anthracene
Concen: 40.999 ng
RT: 11.569 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:178 Resp: 887738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 14.7 | 22.1 |
| 179 | 15.5 | 12.4 | 18.6 |

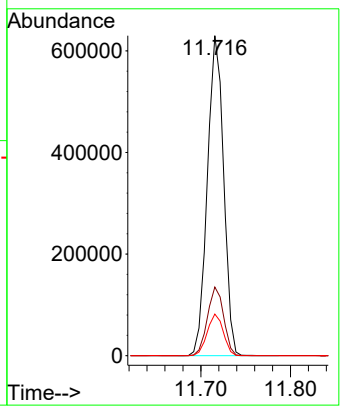





#73
Carbazole
Concen: 40.823 ng
RT: 11.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:167 Resp: 79188

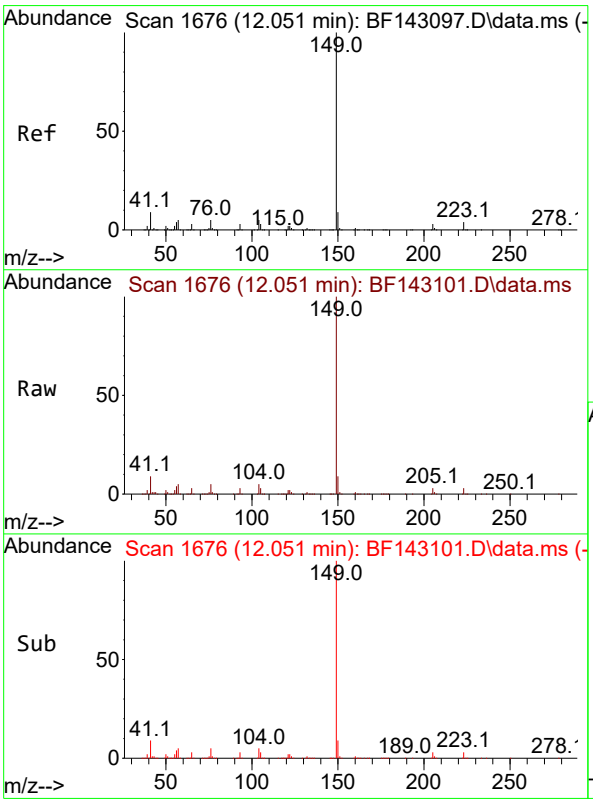
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.4 | 17.0 | 25.4 |
| 139 | 13.0 | 10.2 | 15.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

**Manual Integrations APPROVED**

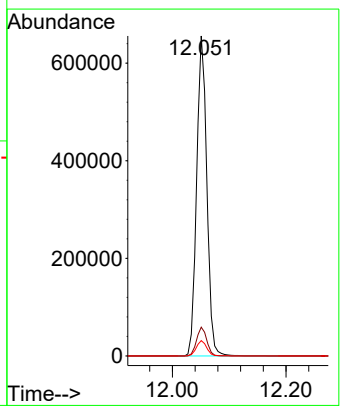
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

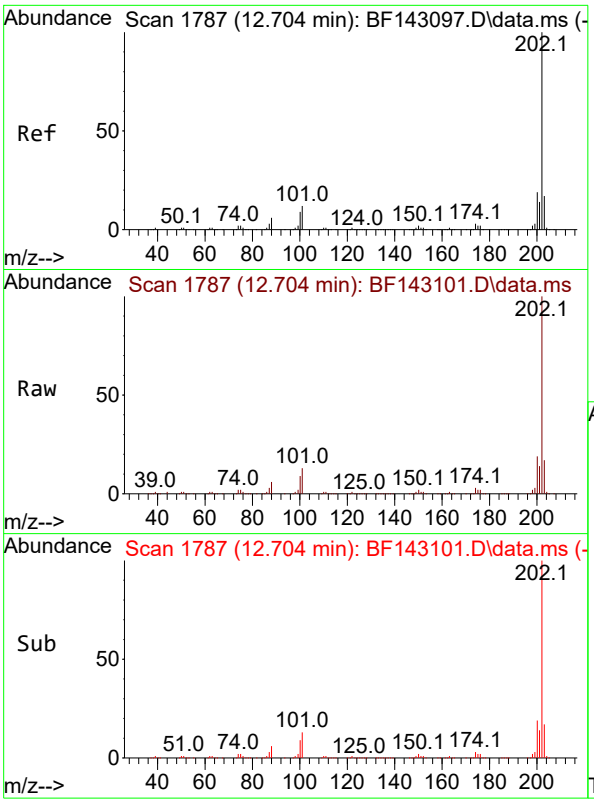



#74
Di-n-butylphthalate
Concen: 46.099 ng
RT: 12.051 min Scan# 1676
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:149 Resp: 820833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.0 | 7.3 | 10.9 |
| 104 | 4.8 | 3.8 | 5.8 |

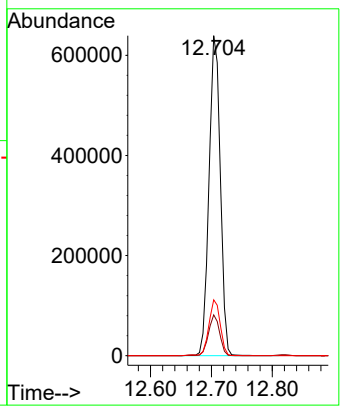





#75
Fluoranthene
Concen: 42.113 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:202 Resp: 82449

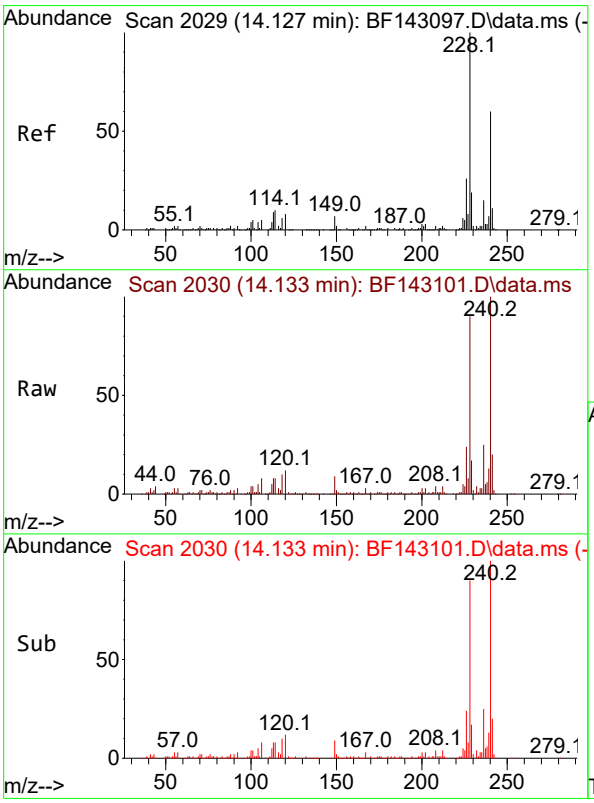
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.7 | 0.0 | 32.4 |
| 203 | 17.5 | 0.0 | 37.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

**Manual Integrations APPROVED**

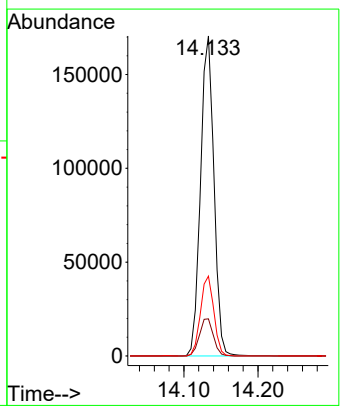
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

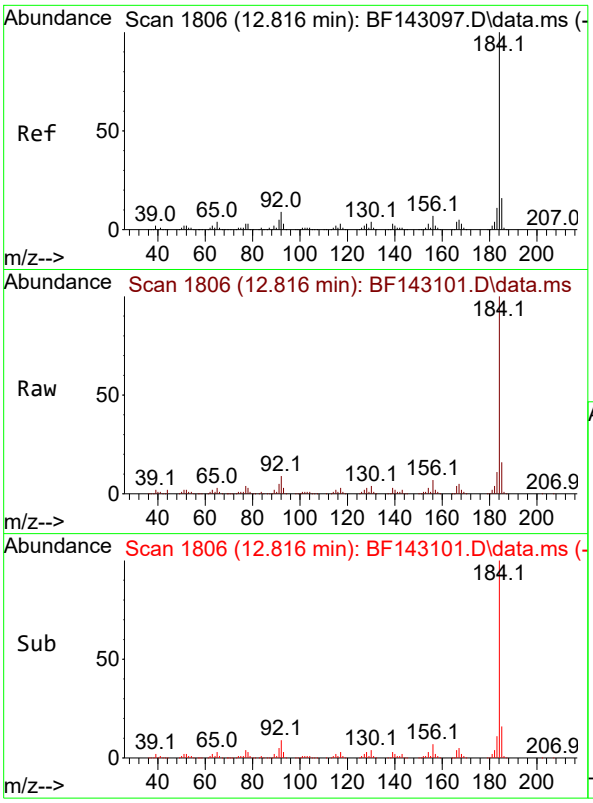



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:240 Resp: 215152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.6 | 10.0 | 15.0 |
| 236 | 24.9 | 20.0 | 30.0 |

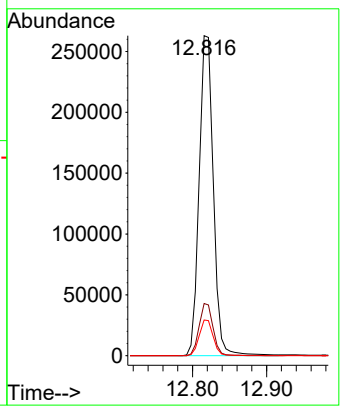





#77
Benzidine
Concen: 47.827 ng
RT: 12.816 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:184 Resp: 35057

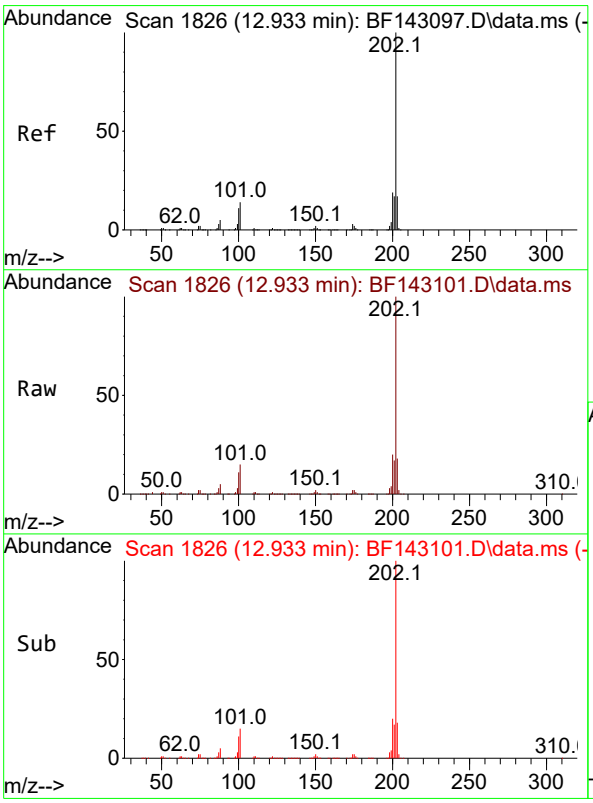
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 16.3 | 12.4 | 18.6 |
| 183 | 11.1 | 8.6 | 12.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

**Manual Integrations APPROVED**

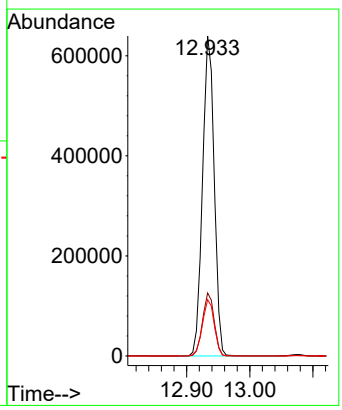
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

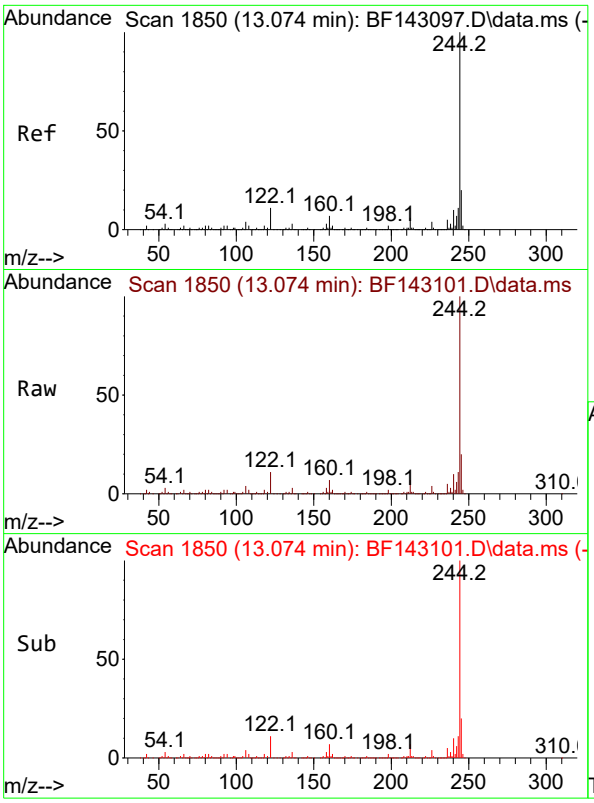



#78
Pyrene
Concen: 41.087 ng
RT: 12.933 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:202 Resp: 820201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.7 | 15.5 | 23.3 |
| 203 | 17.6 | 14.0 | 21.0 |

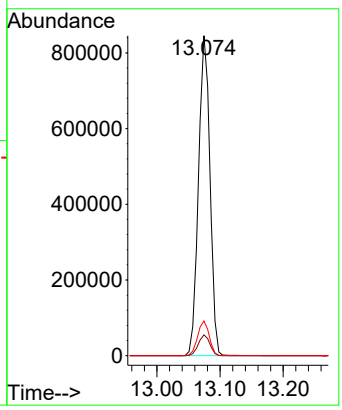





#79
Terphenyl-d14
Concen: 72.317 ng
RT: 13.074 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:244 Resp: 106437

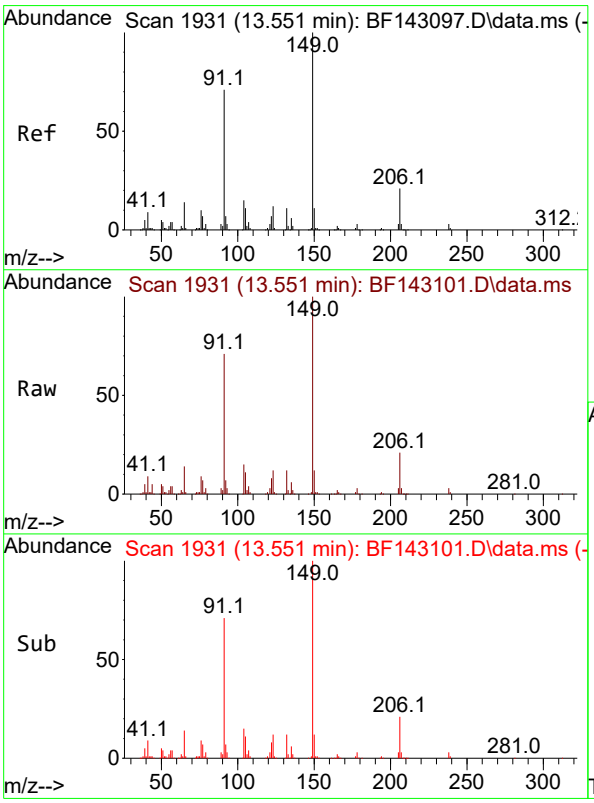
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.5 | 5.2 | 7.8 |
| 122 | 10.9 | 8.8 | 13.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

**Manual Integrations APPROVED**

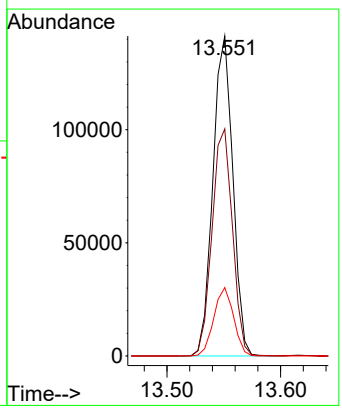
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

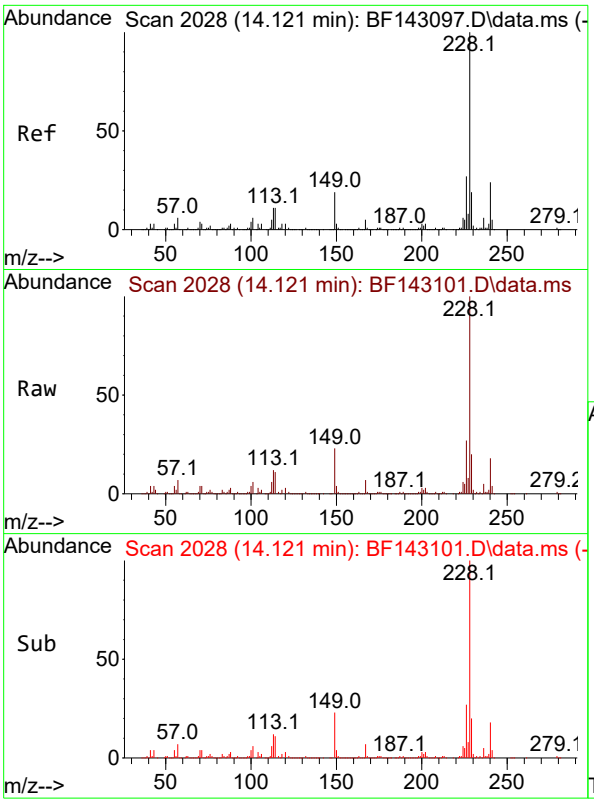



#80
Butylbenzylphthalate
Concen: 43.340 ng
RT: 13.551 min Scan# 1931
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:149 Resp: 172390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 71.0 | 57.0 | 85.4 |
| 206 | 21.3 | 17.2 | 25.8 |

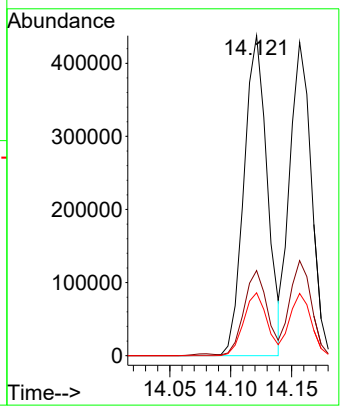





#81
Benzo(a)anthracene
Concen: 40.719 ng
RT: 14.121 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:228 Resp: 58379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.6 | 21.3 | 31.9 |
| 229 | 19.6 | 15.5 | 23.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

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Reviewed By :Rahul Chavli 07/16/2025
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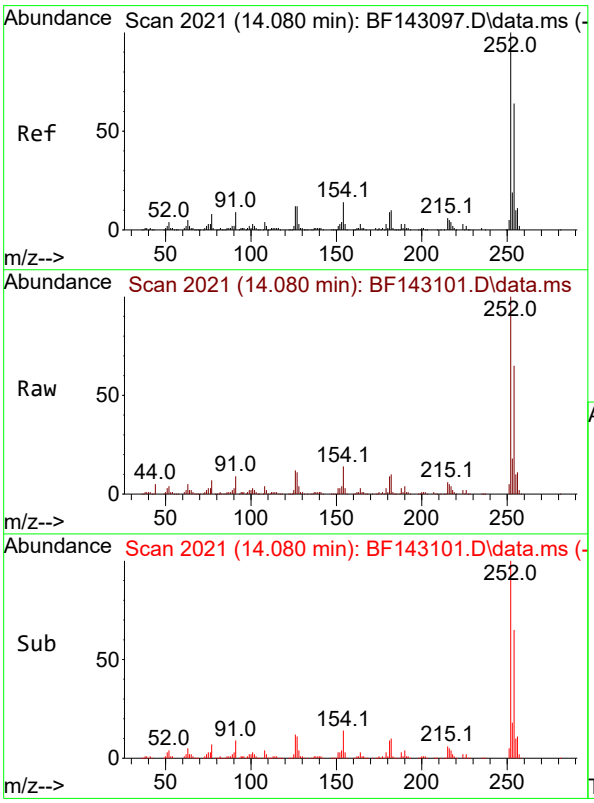
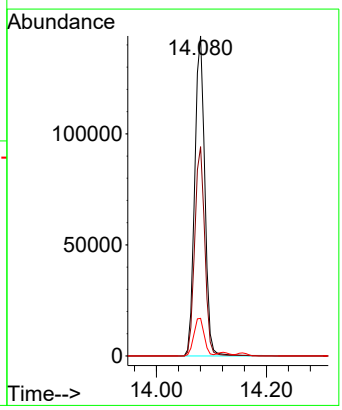
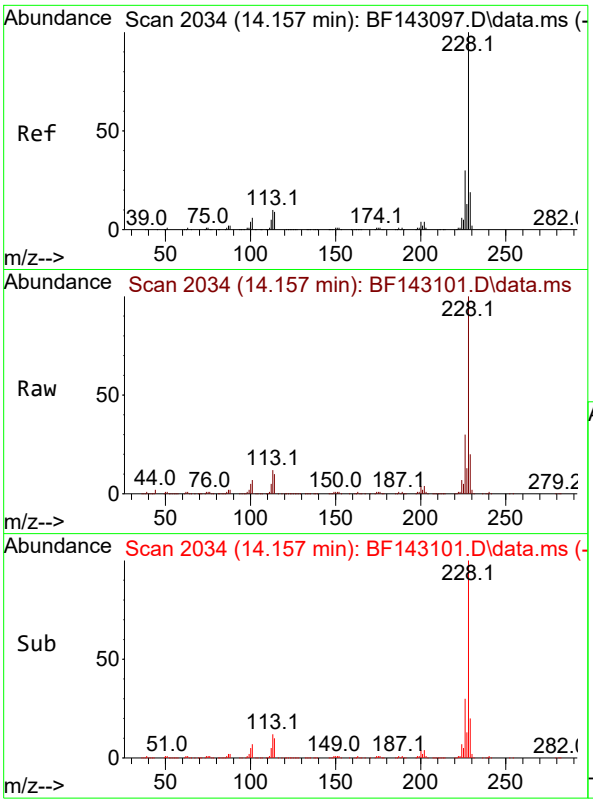



#82
3,3'-Dichlorobenzidine
Concen: 44.044 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:252 Resp: 183371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.4 | 51.5 | 77.3 |
| 126 | 11.7 | 9.4 | 14.0 |

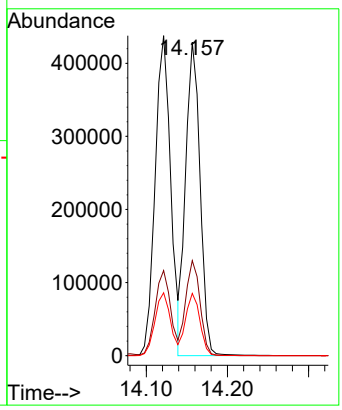





#83
Chrysene
Concen: 40.139 ng
RT: 14.157 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:228 Resp: 530018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 23.4 | 35.2 |
| 229 | 19.8 | 15.3 | 22.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

**Manual Integrations APPROVED**

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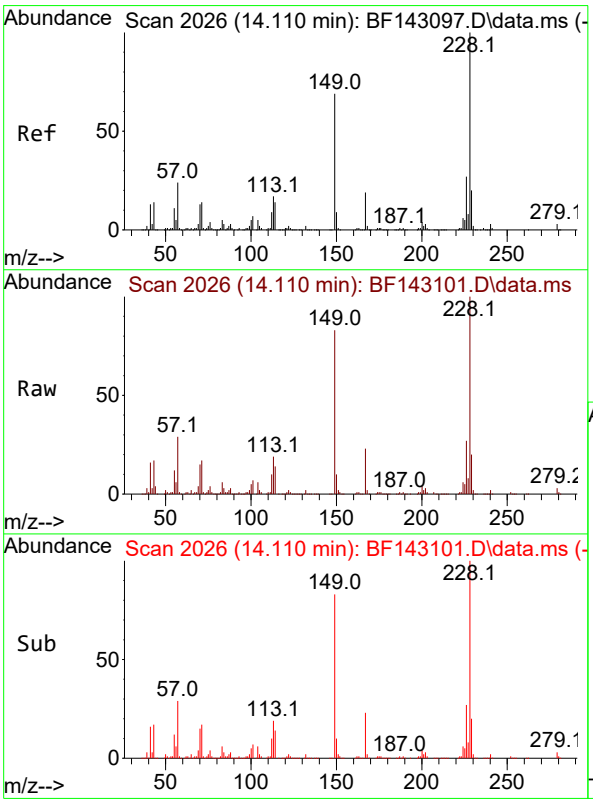
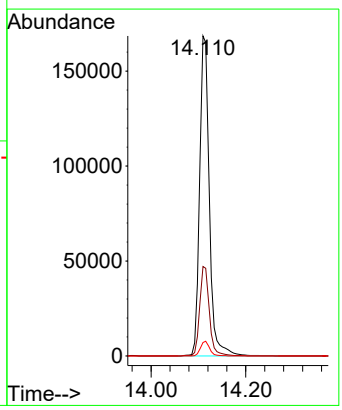
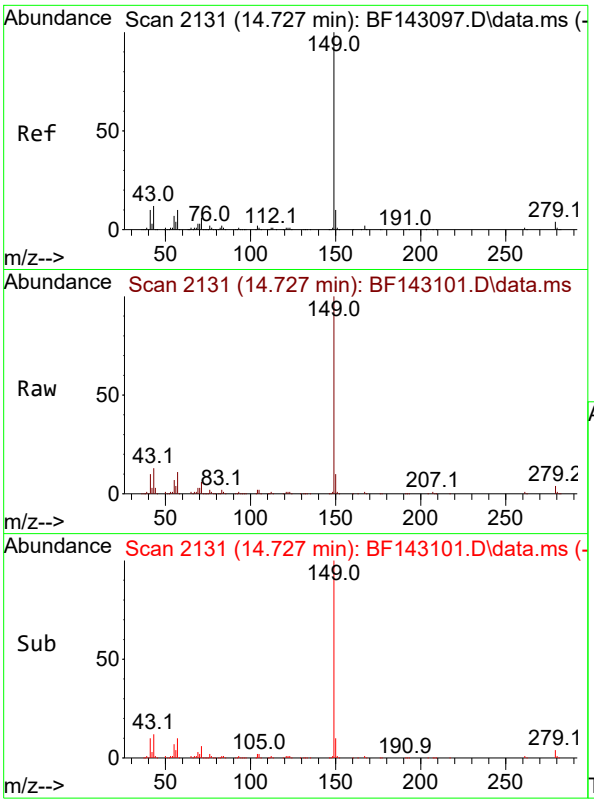



#84
Bis(2-ethylhexyl)phthalate
Concen: 40.166 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:149 Resp: 239329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.9 | 21.9 | 32.9 |
| 279 | 4.2 | 3.4 | 5.0 |

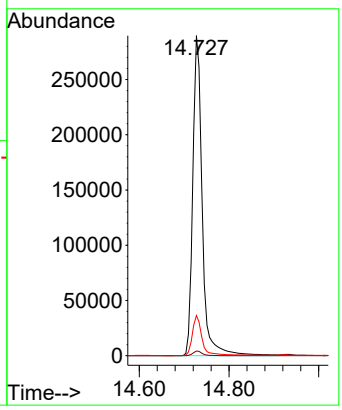





#85
Di-n-octyl phthalate
Concen: 38.648 ng
RT: 14.727 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:149 Resp: 42495

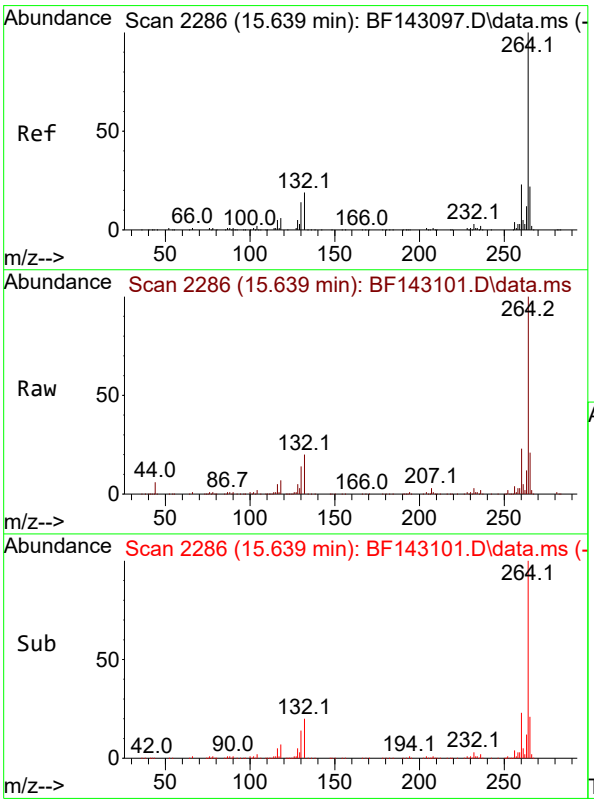
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.4 | 1.2 | 1.8 |
| 43 | 13.5 | 10.6 | 16.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

**Manual Integrations APPROVED**

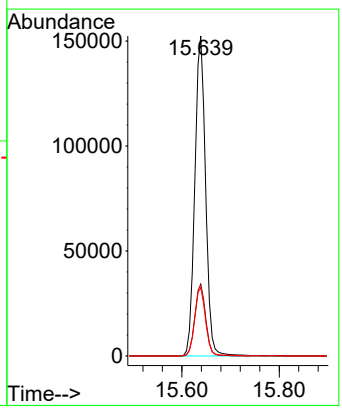
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

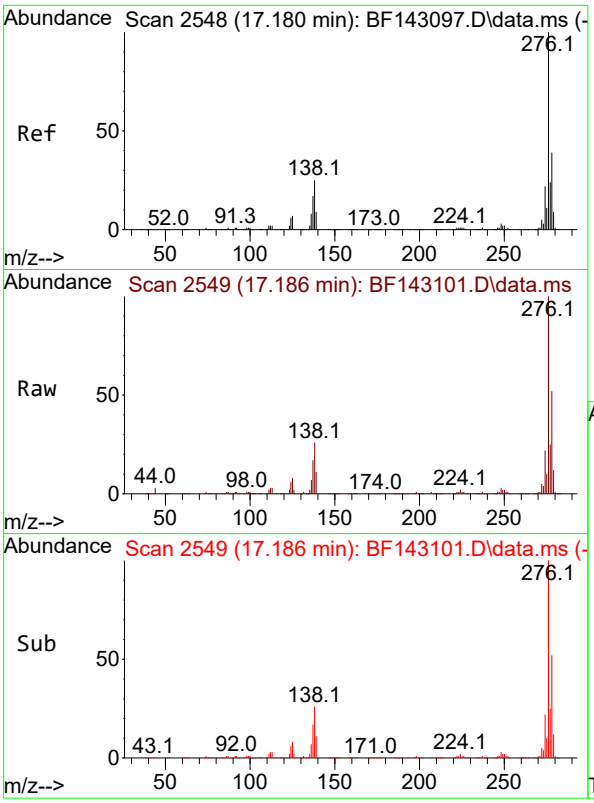



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:264 Resp: 235493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.5 | 18.5 | 27.7 |
| 265 | 21.3 | 17.5 | 26.3 |

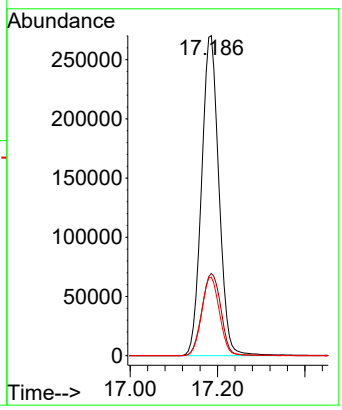





#87
Indeno(1,2,3-cd)pyrene
Concen: 42.503 ng
RT: 17.186 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:276 Resp: 74444

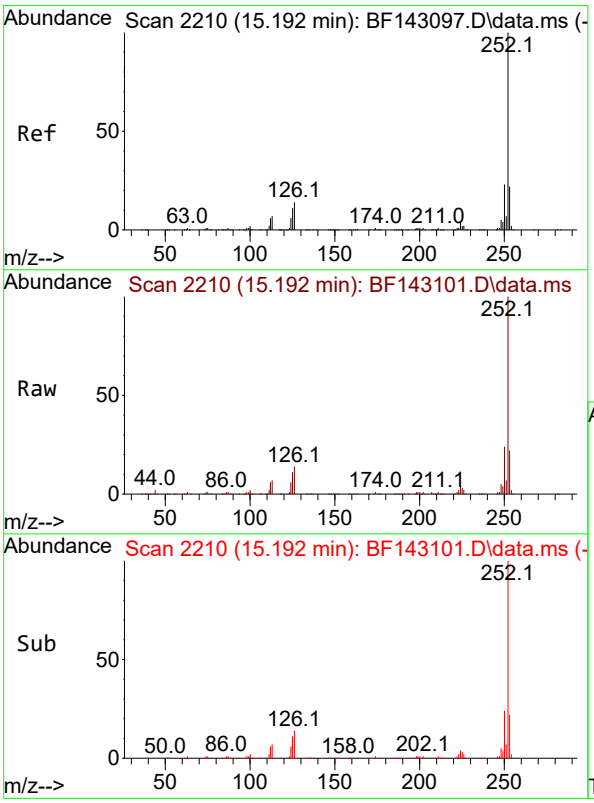
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 28.1 | 22.6 | 34.0 |
| 277 | 25.4 | 20.2 | 30.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

**Manual Integrations APPROVED**

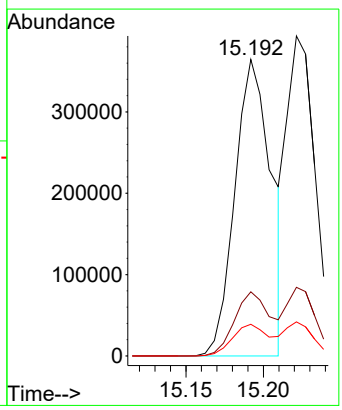
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

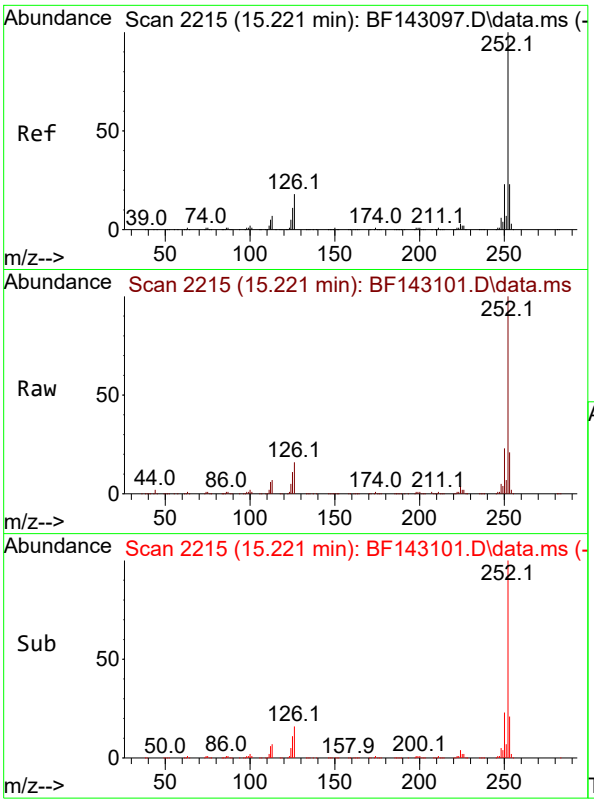



#88
Benzo(b)fluoranthene
Concen: 43.782 ng
RT: 15.192 min Scan# 2210
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:252 Resp: 594727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.5 | 26.3 |
| 125 | 10.7 | 8.6 | 13.0 |

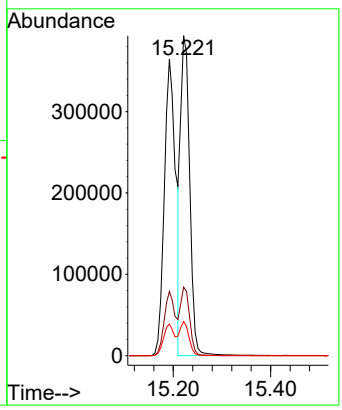





#89
Benzo(k)fluoranthene
Concen: 39.662 ng
RT: 15.221 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:252 Resp: 51397

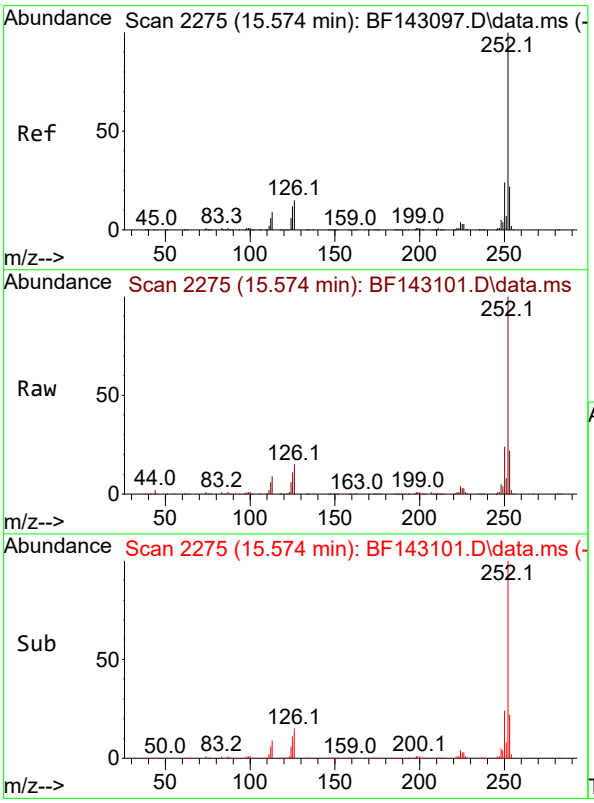
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.4 | 26.2 |
| 125 | 10.7 | 8.5 | 12.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

**Manual Integrations APPROVED**

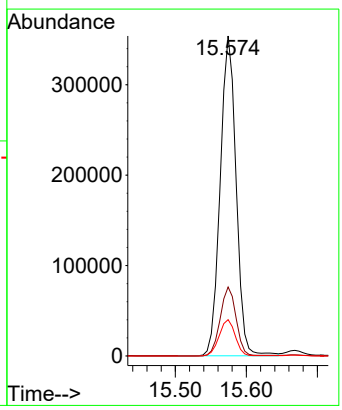
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

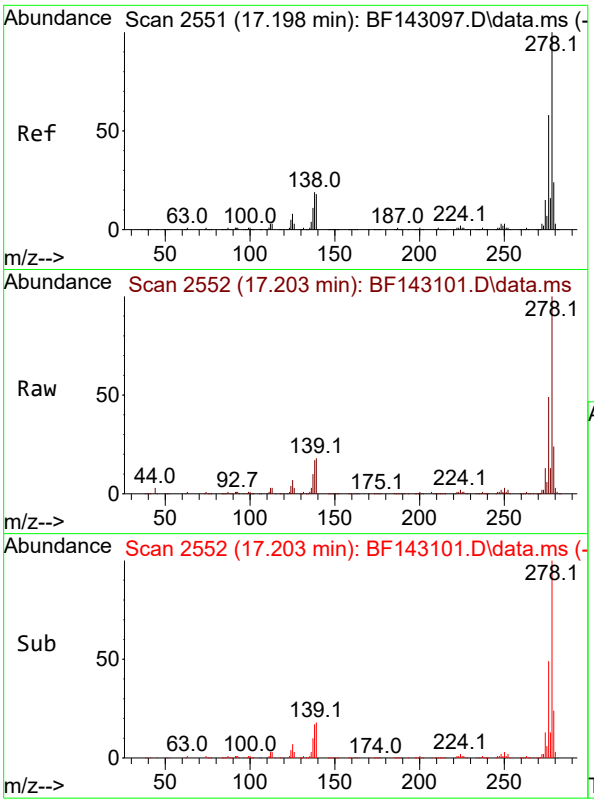



#90
Benzo(a)pyrene
Concen: 42.724 ng
RT: 15.574 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:252 Resp: 548875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.5 | 26.3 |
| 125 | 11.4 | 9.4 | 14.0 |

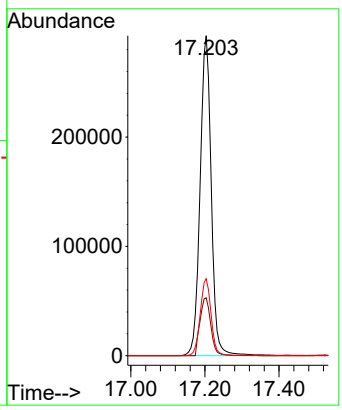





#91
Dibenzo(a,h)anthracene
Concen: 42.735 ng
RT: 17.203 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:278 Resp: 61188

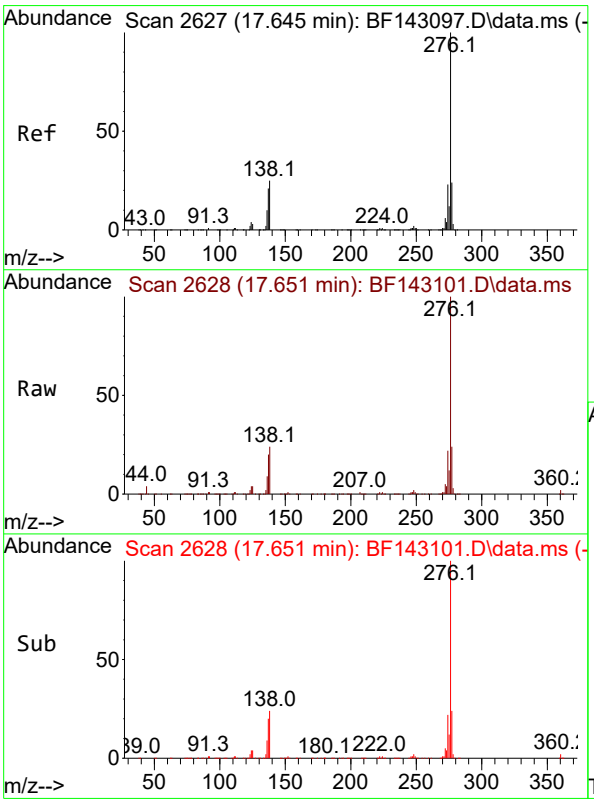
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 18.1 | 14.6 | 22.0 |
| 279 | 24.1 | 18.8 | 28.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

**Manual Integrations**
**APPROVED**

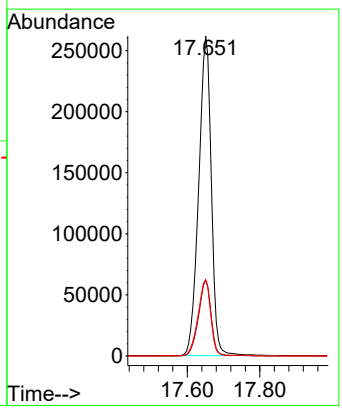
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025




#92
Benzo(g,h,i)perylene
Concen: 43.359 ng
RT: 17.651 min Scan# 2628
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:276 Resp: 632939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 19.2 | 28.8 |
| 138 | 23.9 | 19.8 | 29.6 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 2 | | 1,4-Dioxane | 0.630 | 0.602 | 4.4 | 101 | 0.00 |
| 3 | | Pyridine | 1.596 | 1.636 | -2.5 | 108 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.827 | 0.857 | -3.6 | 111 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.266 | 1.247 | 1.5 | 105 | 0.00 |
| 6 | | Aniline | 2.241 | 2.299 | -2.6 | 110 | 0.00 |
| 7 | S | Phenol-d6 | 1.591 | 1.563 | 1.8 | 105 | 0.00 |
| 8 | | 2-Chlorophenol | 1.272 | 1.348 | -6.0 | 112 | 0.00 |
| 9 | | Benzaldehyde | 1.212 | 1.125 | 7.2 | 82 | 0.00 |
| 10 | C | Phenol | 1.723 | 1.795 | -4.2 | 111 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.334 | 1.362 | -2.1 | 110 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.437 | 1.462 | -1.7 | 109 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.446 | 1.465 | -1.3 | 109 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.379 | 1.405 | -1.9 | 109 | 0.00 |
| 15 | | Benzyl Alcohol | 1.179 | 1.248 | -5.9 | 113 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.458 | 2.475 | -0.7 | 109 | 0.00 |
| 17 | | 2-Methylphenol | 1.098 | 1.140 | -3.8 | 111 | 0.00 |
| 18 | | Hexachloroethane | 0.471 | 0.509 | -8.1 | 114 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.975 | 1.023 | -4.9 | 112 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.346 | 1.415 | -5.1 | 110 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 22 | | Acetophenone | 0.482 | 0.486 | -0.8 | 110 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.357 | 0.349 | 2.2 | 100 | 0.00 |
| 24 | | Nitrobenzene | 0.344 | 0.384 | -11.6 | 115 | 0.00 |
| 25 | | Isophorone | 0.689 | 0.710 | -3.0 | 111 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.114 | 0.151 | -32.5# | 134 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.320 | 0.336 | -5.0 | 112 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.418 | 0.426 | -1.9 | 111 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.262 | 0.285 | -8.8 | 114 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.297 | 0.306 | -3.0 | 110 | 0.00 |
| 31 | | Naphthalene | 0.993 | 1.007 | -1.4 | 111 | 0.00 |
| 32 | | Benzoic acid | 0.139 | 0.170 | -22.3 | 126 | 0.00 |
| 33 | | 4-Chloroaniline | 0.399 | 0.412 | -3.3 | 110 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.178 | 0.183 | -2.8 | 110 | 0.00 |
| 35 | | Caprolactam | 0.082 | 0.089 | -8.5 | 114 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.291 | 0.309 | -6.2 | 112 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.592 | 0.602 | -1.7 | 111 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.615 | 0.629 | -2.3 | 111 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.583 | 0.591 | -1.4 | 111 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.323 | 0.364 | -12.7 | 123 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.178 | 0.192 | -7.9 | 111 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.362 | 0.398 | -9.9 | 115 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.380 | 0.408 | -7.4 | 113 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.505 | 1.299 | 13.7 | 97 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.595 | 1.610 | -0.9 | 112 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.172 | 1.178 | -0.5 | 111 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.303 | 0.374 | -23.4 | 124 | 0.00 |
| 49 | | Acenaphthylene | 1.952 | 1.988 | -1.8 | 111 | 0.00 |
| 50 | | Dimethylphthalate | 1.258 | 1.298 | -3.2 | 113 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.219 | 0.266 | -21.5 | 124 | 0.00 |
| 52 | C | Acenaphthene | 1.152 | 1.152 | 0.0 | 111 | 0.00 |
| 53 | | 3-Nitroaniline | 0.272 | 0.324 | -19.1 | 123 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.073 | 0.094 | -28.8# | 149 | 0.00 |
| 55 | | Dibenzofuran | 1.717 | 1.730 | -0.8 | 111 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.216 | 0.247 | -14.4 | 120 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.265 | 0.339 | -27.9# | 125 | 0.00 |
| 58 | | Fluorene | 1.288 | 1.279 | 0.7 | 112 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.302 | 0.339 | -12.3 | 118 | 0.00 |
| 60 | | Diethylphthalate | 1.214 | 1.284 | -5.8 | 114 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.617 | 0.631 | -2.3 | 112 | 0.00 |
| 62 | | 4-Nitroaniline | 0.236 | 0.281 | -19.1 | 123 | 0.00 |
| 63 | | Azobenzene | 1.343 | 1.370 | -2.0 | 113 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.067 | 0.082 | -22.4 | 138 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.703 | 0.706 | -0.4 | 112 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.227 | 0.238 | -4.8 | 115 | 0.00 |
| 68 | | Hexachlorobenzene | 0.241 | 0.247 | -2.5 | 113 | 0.00 |
| 69 | | Atrazine | 0.180 | 0.199 | -10.6 | 119 | 0.00 |
| 70 | C | Pentachlorophenol | 0.132 | 0.149 | -12.9 | 122 | 0.00 |
| 71 | | Phenanthrene | 1.079 | 1.092 | -1.2 | 113 | 0.00 |
| 72 | | Anthracene | 1.085 | 1.113 | -2.6 | 114 | 0.00 |
| 73 | | Carbazole | 0.972 | 0.992 | -2.1 | 114 | 0.00 |
| 74 | | Di-n-butylphthalate | 0.893 | 1.029 | -15.2 | 121 | 0.00 |
| 75 | C | Fluoranthene | 0.981 | 1.033 | -5.3 | 116 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 112 | 0.00 |
| 77 | | Benzidine | 0.681 | 0.815 | -19.7 | 109 | 0.00 |
| 78 | | Pyrene | 1.856 | 1.906 | -2.7 | 116 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.368 | 1.237 | 9.6 | 103 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.318 | 0.401 | -26.1# | 131 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.333 | 1.357 | -1.8 | 113 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.387 | 0.426 | -10.1 | 124 | 0.00 |
| 83 | | Chrysene | 1.227 | 1.232 | -0.4 | 115 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.480 | 0.556 | -15.8 | 121 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 0.927 | 0.988 | -6.6 | 120 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.488 | 1.581 | -6.2 | 108 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.154 | 1.263 | -9.4 | 121 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.101 | 1.091 | 0.9 | 99 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.091 | 1.165 | -6.8 | 108 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.216 | 1.299 | -6.8 | 109 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.240 | 1.344 | -8.4 | 111 | 0.00 |

# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev Area% | Dev(min) |
|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 106 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 38.242 | 4.4 | 101 | 0.00 |
| 3 | | Pyridine | 40.000 | 41.009 | -2.5 | 108 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.468 | -3.7 | 111 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 78.799 | 1.5 | 105 | 0.00 |
| 6 | | Aniline | 40.000 | 41.038 | -2.6 | 110 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 78.598 | 1.8 | 105 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 42.397 | -6.0 | 112 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 37.115 | 7.2 | 82 | 0.00 |
| 10 | C | Phenol | 40.000 | 41.681 | -4.2 | 111 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.848 | -2.1 | 110 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.694 | -1.7 | 109 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.539 | -1.3 | 109 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.782 | -2.0 | 109 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 42.336 | -5.8 | 113 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.273 | -0.7 | 109 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 41.532 | -3.8 | 111 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 43.239 | -8.1 | 114 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 41.982 | -5.0 | 112 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 42.057 | -5.1 | 110 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 106 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.351 | -0.9 | 110 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 78.289 | 2.1 | 100 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 44.647 | -11.6 | 115 | 0.00 |
| 25 | | Isophorone | 40.000 | 41.188 | -3.0 | 111 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 44.317 | -10.8 | 134 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 42.064 | -5.2 | 112 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.789 | -2.0 | 111 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 43.580 | -8.9 | 114 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.194 | -3.0 | 110 | 0.00 |
| 31 | | Naphthalene | 40.000 | 40.543 | -1.4 | 111 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 43.449 | -8.6 | 126 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 41.236 | -3.1 | 110 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.324 | -3.3 | 110 | 0.00 |
| 35 | | Caprolactam | 40.000 | 43.536 | -8.8 | 114 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 42.387 | -6.0 | 112 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.654 | -1.6 | 111 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 40.922 | -2.3 | 111 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 109 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.531 | -1.3 | 111 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 45.086 | -12.7 | 123 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 85.971 | -7.5 | 111 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 43.955 | -9.9 | 115 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 43.001 | -7.5 | 113 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 69.090 | 13.6 | 97 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 40.387 | -1.0 | 112 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 40.207 | -0.5 | 111 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 43.148 | -7.9 | 124 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 40.736 | -1.8 | 111 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 41.279 | -3.2 | 113 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 43.156 | -7.9 | 124 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 39.982 | 0.0 | 111 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 47.707 | -19.3 | 123 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 47.113 | -17.8 | 149 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 40.300 | -0.7 | 111 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 45.720 | -14.3 | 120 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 43.964 | -9.9 | 125 | 0.00 |
| 58 | | Fluorene | 40.000 | 39.732 | 0.7 | 112 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 44.902 | -12.3 | 118 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 42.297 | -5.7 | 114 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 40.882 | -2.2 | 112 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 47.486 | -18.7 | 123 | 0.00 |
| 63 | | Azobenzene | 40.000 | 40.833 | -2.1 | 113 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 108 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 44.754 | -11.9 | 138 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 40.179 | -0.4 | 112 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 41.782 | -4.5 | 115 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 40.915 | -2.3 | 113 | 0.00 |
| 69 | | Atrazine | 40.000 | 44.273 | -10.7 | 119 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 44.978 | -12.4 | 122 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 40.469 | -1.2 | 113 | 0.00 |
| 72 | | Anthracene | 40.000 | 40.999 | -2.5 | 114 | 0.00 |
| 73 | | Carbazole | 40.000 | 40.823 | -2.1 | 114 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 46.099 | -15.2 | 121 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 42.113 | -5.3 | 116 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 112 | 0.00 |
| 77 | | Benzidine | 40.000 | 47.827 | -19.6 | 109 | 0.00 |
| 78 | | Pyrene | 40.000 | 41.087 | -2.7 | 116 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 72.317 | 9.6 | 103 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 43.340 | -8.4 | 131 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 40.719 | -1.8 | 113 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 44.044 | -10.1 | 124 | 0.00 |
| 83 | | Chrysene | 40.000 | 40.139 | -0.3 | 115 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.166 | -0.4 | 121 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 38.648 | 3.4 | 120 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 42.503 | -6.3 | 108 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 43.782 | -9.5 | 121 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 39.662 | 0.8 | 99 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 42.724 | -6.8 | 108 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 42.735 | -6.8 | 109 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 43.359 | -8.4 | 111 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF071525

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM070925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 08 18:32:25 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BM050377.D 5 =BM050378.D 10 =BM050379.D 20 =BM050380.D 40 =BM050381.D 50 =BM050382.D 60 =BM050383.D 80 =BM0503
84.D

| | | Compound | 2.5 | 5 | 10 | 20 | 40 | 50 | 60 | 80 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzen... | ---------- | ISTD | ---------- | | | | | | | |
| 2) | | 1,4-Dioxane | | 0.504 | 0.466 | 0.482 | 0.460 | 0.501 | 0.474 | 0.457 | 0.478 | 3.99 |
| 3) | | Pyridine | | 1.249 | 1.197 | 1.256 | 1.228 | 1.336 | 1.279 | 1.236 | 1.254 | 3.52 |
| 4) | | n-Nitrosodimet... | | | 0.562 | 0.595 | 0.572 | 0.620 | 0.595 | 0.565 | 0.585 | 3.88 |
| 5) | S | 2-Fluorophenol | | 1.126 | 1.079 | 1.149 | 1.152 | 1.258 | 1.202 | 1.168 | 1.162 | 4.89 |
| 6) | | Aniline | | 1.784 | 1.702 | 1.844 | 1.878 | 2.042 | 1.987 | 1.921 | 1.880 | 6.20 |
| 7) | S | Phenol-d6 | | 1.367 | 1.327 | 1.441 | 1.466 | 1.607 | 1.547 | 1.498 | 1.465 | 6.67 |
| 8) | | 2-Chlorophenol | | 1.135 | 1.105 | 1.219 | 1.217 | 1.341 | 1.301 | 1.258 | 1.225 | 6.89 |
| 9) | | Benzaldehyde | | | 0.944 | 0.985 | 0.897 | 0.837 | 0.694 | | 0.871 | 13.03 |
| 10) | C | Phenol | | 1.460 | 1.412 | 1.516 | 1.508 | 1.666 | 1.598 | 1.535 | 1.528 | 5.51 |
| 11) | | bis(2-Chloroet... | | 1.202 | 1.134 | 1.223 | 1.196 | 1.324 | 1.268 | 1.218 | 1.223 | 4.88 |
| 12) | | 1,3-Dichlorobe... | | 1.504 | 1.425 | 1.496 | 1.448 | 1.580 | 1.511 | 1.465 | 1.490 | 3.40 |
| 13) | C | 1,4-Dichlorobe... | | 1.553 | 1.459 | 1.536 | 1.465 | 1.610 | 1.538 | 1.487 | 1.521 | 3.57 |
| 14) | | 1,2-Dichlorobe... | | 1.481 | 1.395 | 1.454 | 1.410 | 1.541 | 1.485 | 1.428 | 1.456 | 3.48 |
| 15) | | Benzyl Alcohol | | | 0.907 | 0.995 | 1.022 | 1.125 | 1.090 | 1.052 | 1.032 | 7.45 |
| 16) | | 2,2'-oxybis(1-... | | 1.835 | 1.741 | 1.818 | 1.752 | 1.907 | 1.821 | 1.741 | 1.802 | 3.41 |
| 17) | | 2-Methylphenol | | 0.922 | 0.898 | 0.980 | 0.990 | 1.089 | 1.048 | 1.008 | 0.991 | 6.71 |
| 18) | | Hexachloroethane | | 0.518 | 0.501 | 0.532 | 0.520 | 0.574 | 0.556 | 0.543 | 0.535 | 4.66 |
| 19) | P | n-Nitroso-di-n... | 0.790 | 0.805 | 0.808 | 0.888 | 0.911 | 1.005 | 0.968 | 0.924 | 0.887 | 9.01 |
| 20) | | 3+4-Methylphenols | | | 1.170 | 1.296 | 1.325 | 1.458 | 1.393 | 1.338 | 1.330 | 7.29 |
| 21) | I | Naphthalene-d8 | ---------- | ISTD | ---------- | | | | | | | |
| 22) | | Acetophenone | | 0.493 | 0.479 | 0.501 | 0.491 | 0.534 | 0.513 | 0.489 | 0.500 | 3.69 |
| 23) | S | Nitrobenzene-d5 | | 0.362 | 0.355 | 0.390 | 0.392 | 0.429 | 0.415 | 0.400 | 0.392 | 6.77 |
| 24) | | Nitrobenzene | | 0.333 | 0.329 | 0.353 | 0.345 | 0.377 | 0.362 | 0.349 | 0.350 | 4.73 |
| 25) | | Isophorone | | 0.571 | 0.574 | 0.634 | 0.640 | 0.702 | 0.679 | 0.652 | 0.636 | 7.73 |
| 26) | C | 2-Nitrophenol | | 0.107 | 0.112 | 0.132 | 0.147 | 0.167 | 0.167 | 0.167 | 0.143 | 18.26 |
| 27) | | 2,4-Dimethylph... | | 0.295 | 0.275 | 0.301 | 0.299 | 0.329 | 0.317 | 0.308 | 0.303 | 5.63 |
| 28) | | bis(2-Chloroet... | | 0.407 | 0.395 | 0.422 | 0.417 | 0.454 | 0.436 | 0.420 | 0.422 | 4.61 |
| 29) | C | 2,4-Dichloroph... | | 0.277 | 0.279 | 0.311 | 0.312 | 0.344 | 0.334 | 0.325 | 0.312 | 8.26 |
| 30) | | 1,2,4-Trichlor... | | 0.370 | 0.349 | 0.369 | 0.362 | 0.397 | 0.385 | 0.378 | 0.373 | 4.21 |
| 31) | | Naphthalene | | 1.033 | 0.975 | 1.024 | 0.988 | 1.071 | 1.029 | 0.992 | 1.016 | 3.26 |
| 32) | | Benzoic acid | | | 0.100 | 0.139 | 0.164 | 0.195 | 0.194 | 0.199 | 0.165 | 23.89 |
| 33) | | 4-Chloroaniline | | 0.398 | 0.397 | 0.427 | 0.429 | 0.465 | 0.453 | 0.437 | 0.429 | 6.00 |
| 34) | C | Hexachlorobuta... | | 0.222 | 0.209 | 0.222 | 0.221 | 0.244 | 0.239 | 0.235 | 0.228 | 5.37 |
| 35) | | Caprolactam | | | 0.064 | 0.081 | 0.087 | 0.096 | 0.093 | 0.090 | 0.085 | 13.87 |
| 36) | C | 4-Chloro-3-met... | | 0.258 | 0.256 | 0.288 | 0.295 | 0.326 | 0.313 | 0.302 | 0.291 | 9.10 |
| 37) | | 2-Methylnaphth... | | 0.611 | 0.595 | 0.638 | 0.635 | 0.693 | 0.671 | 0.647 | 0.641 | 5.19 |
| 38) | | 1-Methylnaphth... | | 0.651 | 0.629 | 0.674 | 0.673 | 0.736 | 0.707 | 0.681 | 0.679 | 5.17 |

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM070925.M

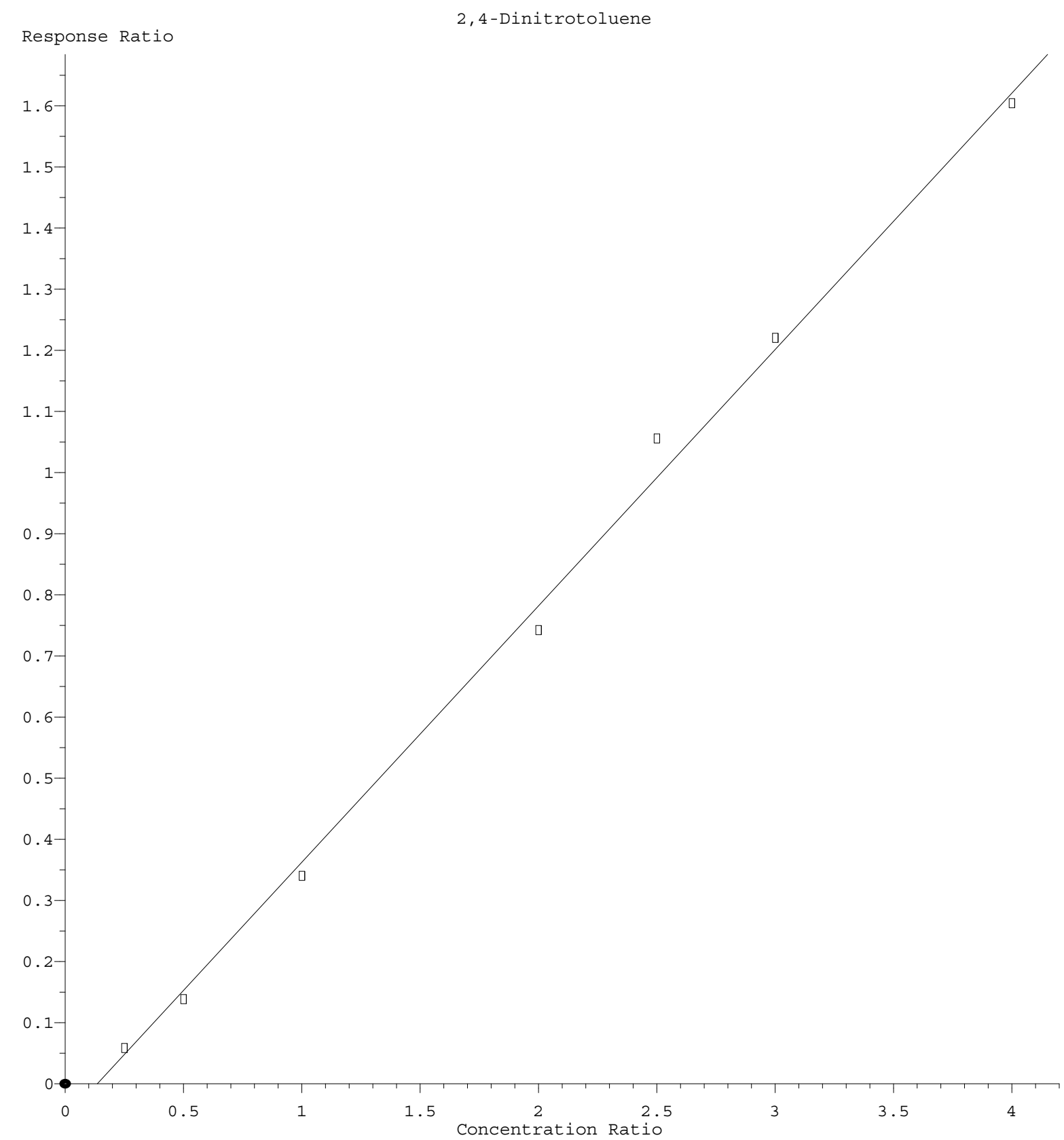
| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 39) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | | |
| 40) | | 1,2,4,5-Tetrac... | 0.590 | 0.569 | 0.611 | 0.622 | 0.700 | 0.683 | 0.677 | 0.636 | 7.93 |
| 41) | P | Hexachlorocycl... | | 0.320 | 0.361 | 0.396 | 0.450 | 0.454 | 0.459 | 0.407 | 14.08 |
| 42) | S | 2,4,6-Tribromo... | 0.182 | 0.195 | 0.230 | 0.248 | 0.285 | 0.280 | 0.280 | 0.243 | 17.40 |
| 43) | C | 2,4,6-Trichlor... | 0.330 | 0.335 | 0.377 | 0.394 | 0.443 | 0.434 | 0.427 | 0.391 | 11.81 |
| 44) | | 2,4,5-Trichlor... | 0.359 | 0.376 | 0.415 | 0.430 | 0.484 | 0.470 | 0.460 | 0.428 | 11.13 |
| 45) | S | 2-Fluorobiphenyl | 1.572 | 1.538 | 1.611 | 1.592 | 1.753 | 1.697 | 1.575 | 1.620 | 4.74 |
| 46) | | 1,1'-Biphenyl | 1.464 | 1.419 | 1.479 | 1.441 | 1.586 | 1.527 | 1.471 | 1.484 | 3.79 |
| 47) | | 2-Chloronaphth... | 1.164 | 1.126 | 1.187 | 1.150 | 1.267 | 1.217 | 1.171 | 1.183 | 3.93 |
| 48) | | 2-Nitroaniline | 0.197 | 0.211 | 0.253 | 0.278 | 0.312 | 0.302 | 0.295 | 0.264 | 17.17 |
| 49) | | Acenaphthylene | 1.645 | 1.658 | 1.795 | 1.775 | 1.956 | 1.875 | 1.811 | 1.788 | 6.21 |
| 50) | | Dimethylphthalate | 1.323 | 1.285 | 1.368 | 1.351 | 1.506 | 1.432 | 1.373 | 1.377 | 5.29 |
| 51) | | 2,6-Dinitrotol... | 0.196 | 0.224 | 0.263 | 0.273 | 0.308 | 0.297 | 0.289 | 0.264 | 15.41 |
| 52) | C | Acenaphthene | 1.086 | 1.050 | 1.126 | 1.111 | 1.231 | 1.196 | 1.158 | 1.137 | 5.51 |
| 53) | | 3-Nitroaniline | 0.204 | 0.231 | 0.278 | 0.294 | 0.330 | 0.319 | 0.311 | 0.281 | 16.81 |
| 54) | P | 2,4-Dinitrophenol | | 0.074 | 0.097 | 0.117 | 0.140 | 0.147 | 0.150 | 0.121 | 25.40 |
| 55) | | Dibenzofuran | 1.747 | 1.674 | 1.756 | 1.709 | 1.880 | 1.784 | 1.711 | 1.751 | 3.84 |
| 56) | P | 4-Nitrophenol | | 0.182 | 0.225 | 0.245 | 0.276 | 0.265 | 0.258 | 0.242 | 14.15 |
| 57) | | 2,4-Dinitrotol... | 0.234 | 0.277 | 0.340 | 0.371 | 0.422 | 0.407 | 0.401 | 0.350 | 20.31 |
| 58) | | Fluorene | 1.348 | 1.328 | 1.428 | 1.419 | 1.582 | 1.522 | 1.470 | 1.443 | 6.29 |
| 59) | | 2,3,4,6-Tetrac... | 0.299 | 0.306 | 0.355 | 0.365 | 0.405 | 0.397 | 0.392 | 0.360 | 11.92 |
| 60) | | Diethylphthalate | 1.217 | 1.210 | 1.319 | 1.309 | 1.454 | 1.379 | 1.320 | 1.315 | 6.51 |
| 61) | | 4-Chlorophenyl... | 0.687 | 0.673 | 0.733 | 0.747 | 0.839 | 0.811 | 0.790 | 0.754 | 8.28 |
| 62) | | 4-Nitroaniline | 0.192 | 0.228 | 0.284 | 0.311 | 0.350 | 0.331 | 0.320 | 0.288 | 20.10 |
| 63) | | Azobenzene | 1.085 | 1.116 | 1.234 | 1.208 | 1.335 | 1.272 | 1.204 | 1.208 | 7.15 |
| 64) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | | |
| 65) | | 4,6-Dinitro-2-... | | 0.057 | 0.077 | 0.094 | 0.109 | 0.113 | 0.117 | 0.095 | 24.90 |
| 66) | c | n-Nitrosodiphe... | 0.572 | 0.577 | 0.620 | 0.623 | 0.678 | 0.658 | 0.654 | 0.626 | 6.49 |
| 67) | | 4-Bromophenyl-... | 0.196 | 0.194 | 0.211 | 0.218 | 0.242 | 0.240 | 0.241 | 0.220 | 9.61 |
| 68) | | Hexachlorobenzene | 0.239 | 0.233 | 0.253 | 0.256 | 0.283 | 0.279 | 0.278 | 0.260 | 7.78 |
| 69) | | Atrazine | 0.166 | 0.175 | 0.199 | 0.211 | 0.232 | 0.228 | 0.227 | 0.206 | 12.95 |
| 70) | C | Pentachlorophenol | | 0.122 | 0.145 | 0.161 | 0.181 | 0.180 | 0.183 | 0.162 | 15.23 |
| 71) | | Phenanthrene | 1.119 | 1.070 | 1.119 | 1.101 | 1.206 | 1.163 | 1.143 | 1.132 | 3.91 |
| 72) | | Anthracene | 1.028 | 1.017 | 1.109 | 1.117 | 1.233 | 1.204 | 1.179 | 1.127 | 7.44 |
| 73) | | Carbazole | 0.939 | 0.944 | 1.009 | 1.010 | 1.108 | 1.073 | 1.052 | 1.019 | 6.23 |
| 74) | | Di-n-butylphth... | 0.954 | 0.961 | 1.091 | 1.140 | 1.252 | 1.216 | 1.196 | 1.116 | 10.76 |
| 75) | C | Fluoranthene | 1.088 | 1.079 | 1.182 | 1.233 | 1.366 | 1.339 | 1.327 | 1.230 | 9.67 |
| 76) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | | |
| 77) | | Benzidine | | 0.370 | 0.521 | 0.553 | 0.601 | 0.552 | 0.464 | 0.510 | 16.08 |
| 78) | | Pyrene | 1.198 | 1.177 | 1.260 | 1.260 | 1.388 | 1.366 | 1.316 | 1.281 | 6.26 |
| 79) | S | Terphenyl-d14 | 1.095 | 1.110 | 1.225 | 1.258 | 1.298 | 1.094 | 0.878 | 1.137 | 12.43 |
| 80) | | Butylbenzylpht... | 0.317 | 0.334 | 0.401 | 0.441 | 0.492 | 0.491 | 0.479 | 0.422 | 17.39 |
| 81) | | Benzo(a)anthra... | 1.204 | 1.202 | 1.282 | 1.282 | 1.428 | 1.379 | 1.345 | 1.303 | 6.57 |
| 82) | | 3,3'-Dichlorob... | | 0.351 | 0.406 | 0.429 | 0.498 | 0.487 | 0.465 | 0.439 | 12.66 |
| 83) | | Chrysene | 1.162 | 1.153 | 1.200 | 1.209 | 1.327 | 1.303 | 1.249 | 1.229 | 5.45 |
| 84) | | Bis(2-ethylhex... | 0.499 | 0.546 | 0.658 | 0.705 | 0.780 | 0.763 | 0.742 | 0.670 | 16.33 |
| 85) | c | Di-n-octyl pht... | | 0.742 | 0.931 | 1.058 | 1.193 | 1.194 | 1.183 | 1.050 | 17.44 |

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM070925.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 86) | I | Perylene-d12 | ----------ISTD---------- | | | | | | | |
| 87) | | Indeno(1,2,3-c... | 1.208 | 1.238 | 1.374 | 1.415 | 1.603 | 1.564 | 1.551 | 1.422 | 11.17 |
| 88) | | Benzo(b)fluora... | 1.090 | 1.075 | 1.177 | 1.230 | 1.368 | 1.344 | 1.327 | 1.230 | 9.83 |
| 89) | | Benzo(k)fluora... | 1.105 | 1.138 | 1.247 | 1.263 | 1.444 | 1.387 | 1.350 | 1.276 | 9.86 |
| 90) | C | Benzo(a)pyrene | 0.962 | 0.985 | 1.099 | 1.156 | 1.314 | 1.281 | 1.264 | 1.152 | 12.41 |
| 91) | | Dibenzo(a,h)an... | 1.022 | 1.035 | 1.159 | 1.193 | 1.352 | 1.320 | 1.301 | 1.198 | 11.23 |
| 92) | | Benzo(g,h,i)pe... | 0.992 | 1.001 | 1.097 | 1.121 | 1.263 | 1.232 | 1.216 | 1.132 | 9.73 |

(#) = Out of Range




Response = 4.196e-001 * Amt - 5.715e-002
Coef of Det (r^2) = 0.996987  Curve Fit: wlr(1/a)
Method: Q2502-TCLP BNA\svoasrv\HPCHEM1\BNA M\Methods\8270-BM070925.M
Calibration Table Last Updated: Tue Jul 08 18:32:25 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050377.D
Acq On : 08 Jul 2025 12:39
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Quant Time: Jul 08 18:19:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

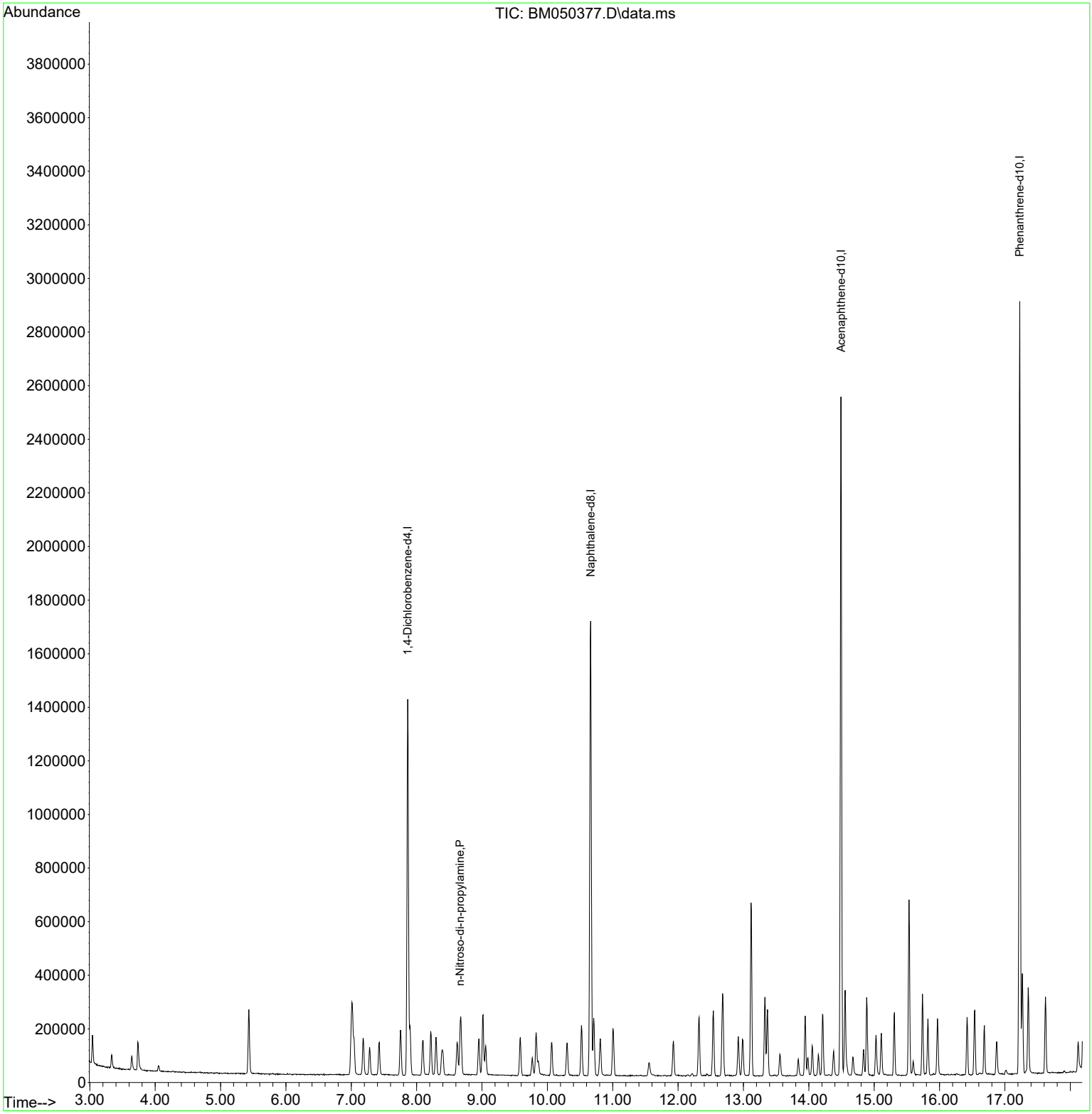
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.863 | 152 | 378493 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.663 | 136 | 1426576 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.492 | 164 | 874661 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.227 | 188 | 1666049 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.450 | 240 | 1594000 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.491 | 264 | 1645810 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 0.000 | 112 | 0d | 0.000 | ng | |
| 7) Phenol-d6 | 0.000 | 99 | 0d | 0.000 | ng | |
| 23) Nitrobenzene-d5 | 0.000 | 82 | 0d | 0.000 | ng | |
| 42) 2,4,6-Tribromophenol | 0.000 | 330 | 0d | 0.000 | ng | |
| 45) 2-Fluorobiphenyl | 0.000 | 172 | 0d | 0.000 | ng | |
| 79) Terphenyl-d14 | 0.000 | 244 | 0d | 0.000 | ng | |
| Target Compounds | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propyla... | 8.663 | 70 | 37375 | 2.226 | ng | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050377.D
Acq On : 08 Jul 2025 12:39
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

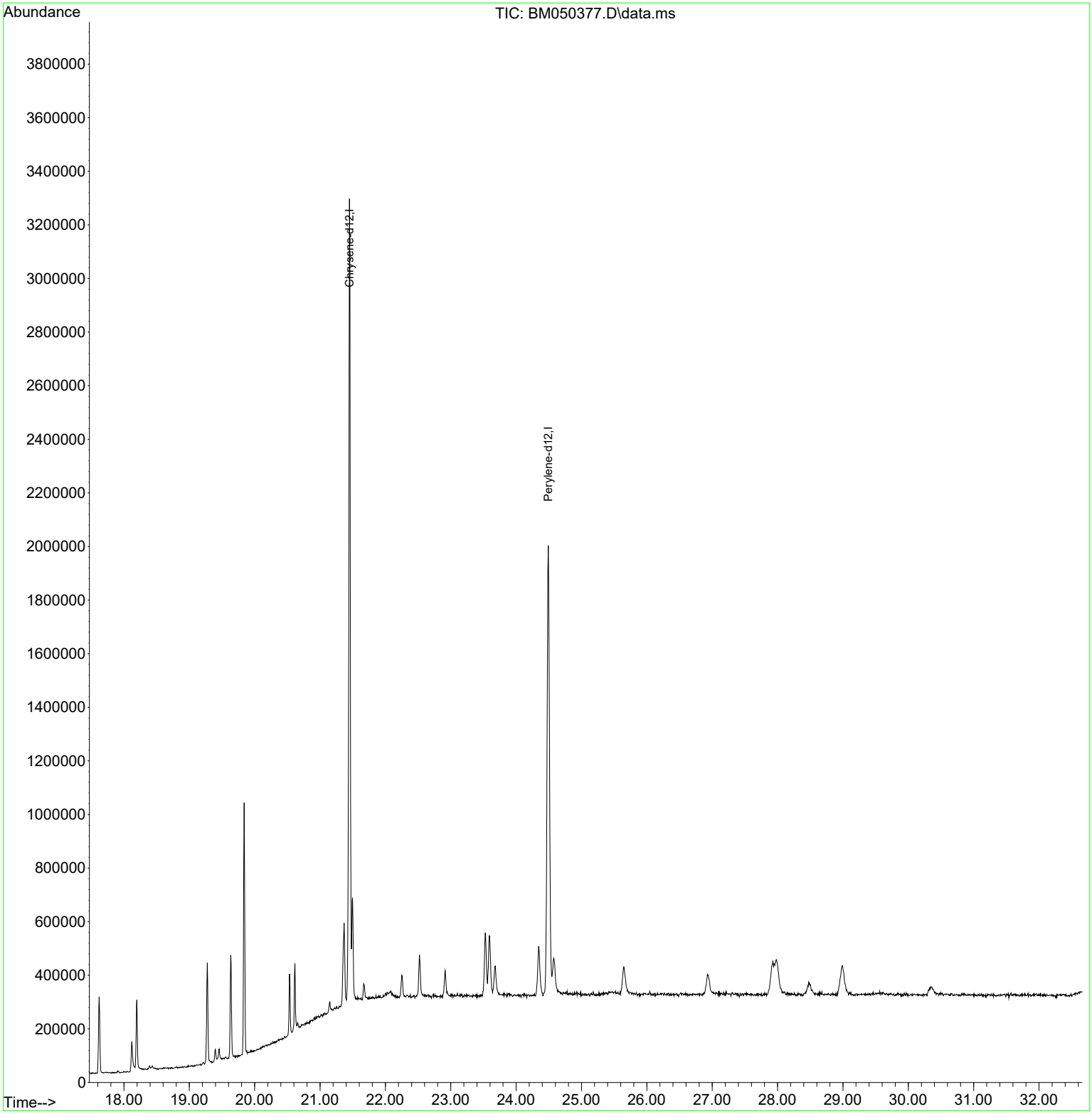
Quant Time: Jul 08 18:19:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

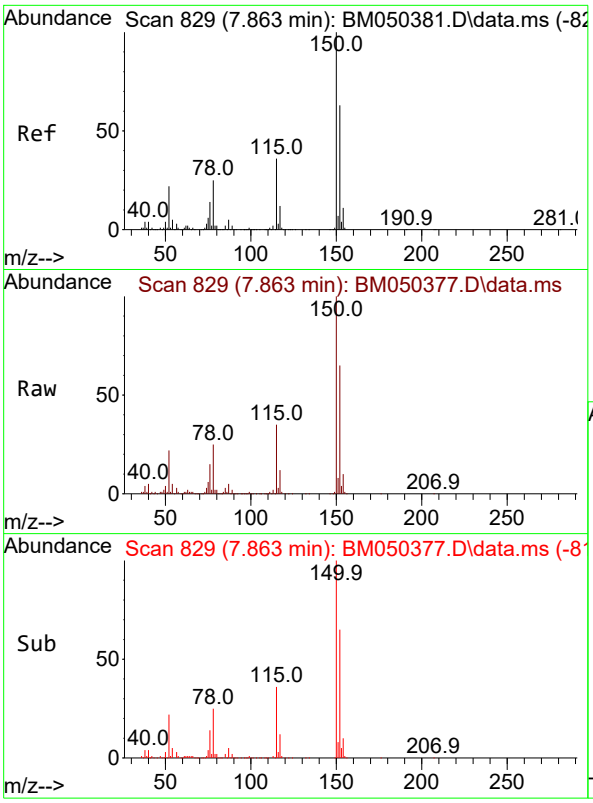


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050377.D
Acq On : 08 Jul 2025 12:39
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Quant Time: Jul 08 18:19:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration



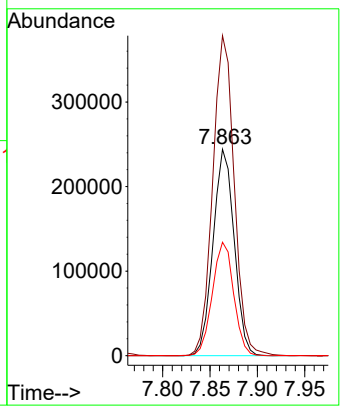


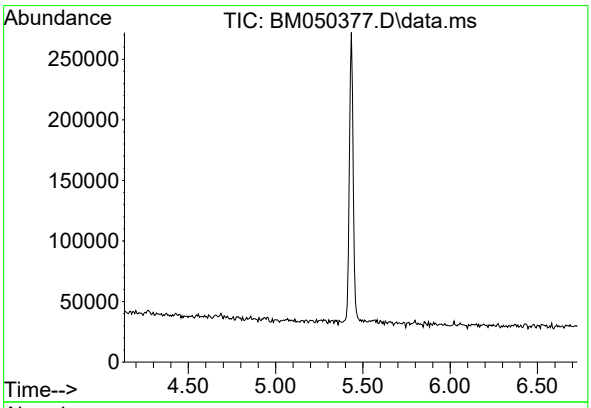

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050377.D
Acq: 08 Jul 2025 12:39

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Tgt Ion:152 Resp: 378493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.0 | 126.2 | 189.4 |
| 115 | 55.0 | 45.8 | 68.8 |



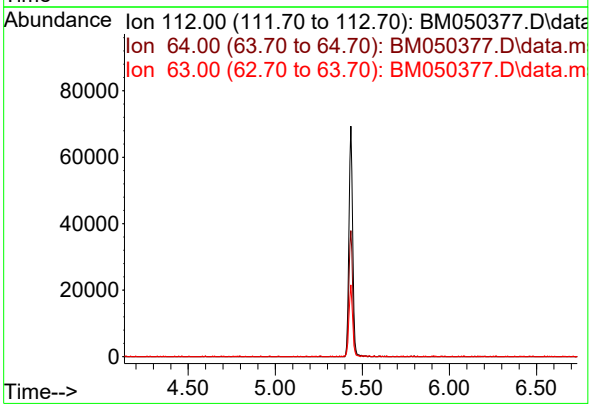



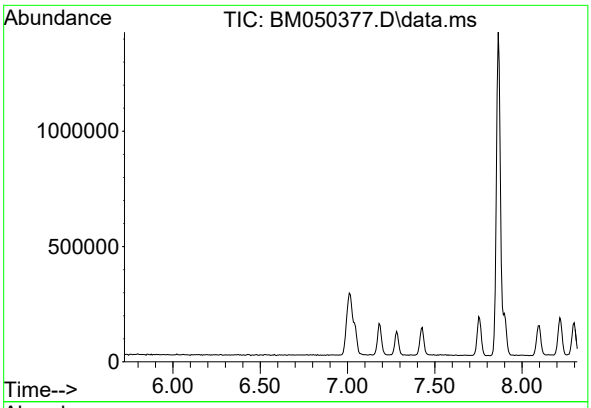

#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.43 min

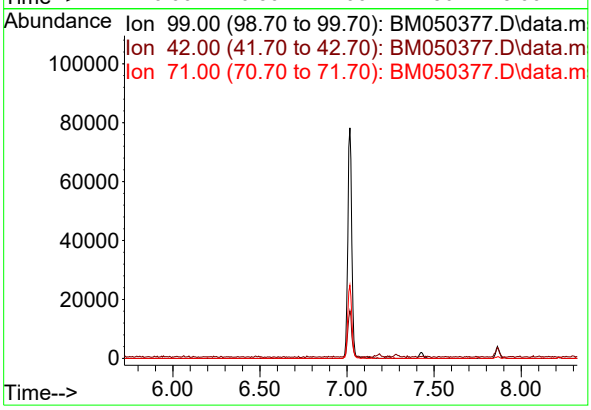
Lab File: BM050377.D
Acq: 08 Jul 2025 12:39

Tgt Ion: 112

| Sig | Exp Ratio |
|---|---|
| 112 | 100 |
| 64 | 56.9 |
| 63 | 30.3 |





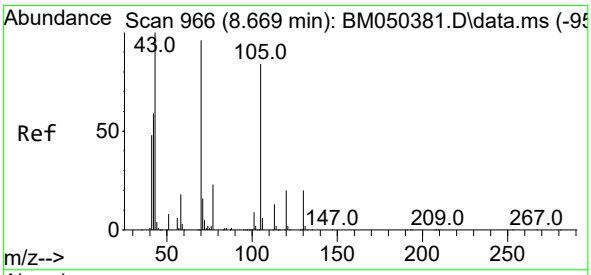

#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 7.02 min

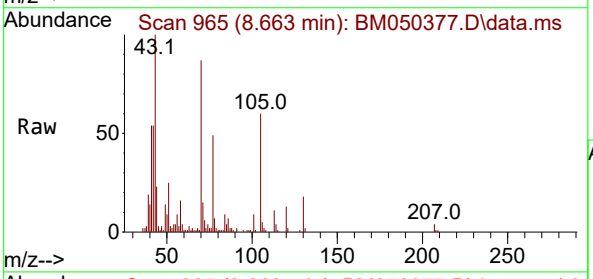
Lab File: BM050377.D
Acq: 08 Jul 2025 12:39

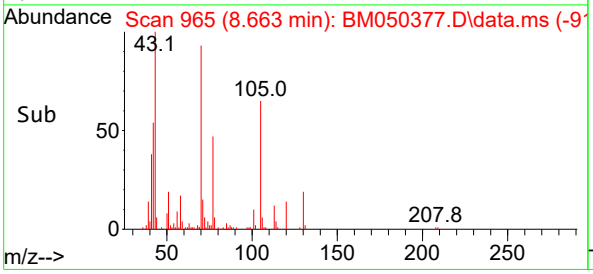
**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Tgt Ion: 99

| Sig | Exp Ratio |
|---|---|
| 99 | 100 |
| 42 | 18.8 |
| 71 | 32.4 |



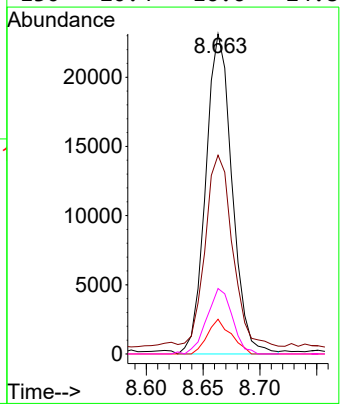



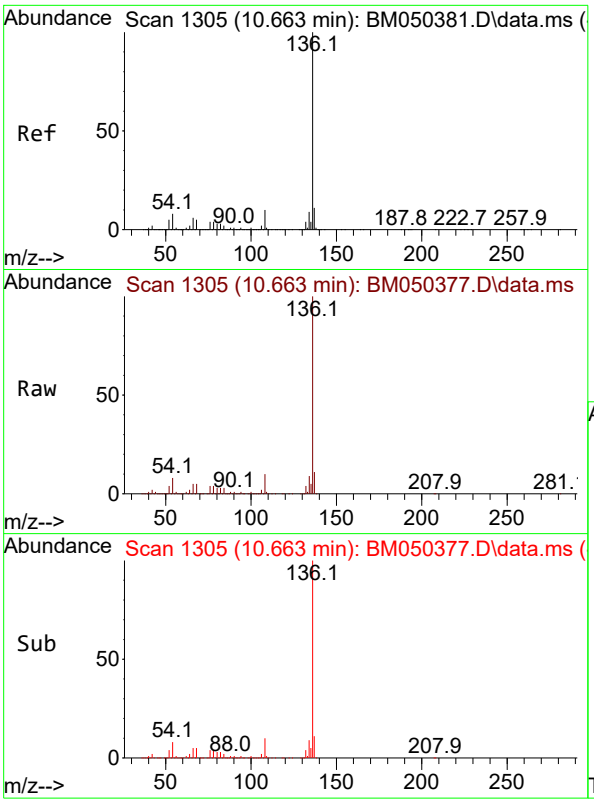




#19
n-Nitroso-di-n-propylamine
Concen: 2.226 ng
RT: 8.663 min Scan# 965
Delta R.T. -0.006 min
Lab File: BM050377.D
Acq: 08 Jul 2025 12:39

Tgt Ion: 70 Resp: 37375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 62.1 | 49.7 | 74.5 |
| 101 | 10.8 | 7.7 | 11.5 |
| 130 | 20.4 | 16.6 | 24.8 |



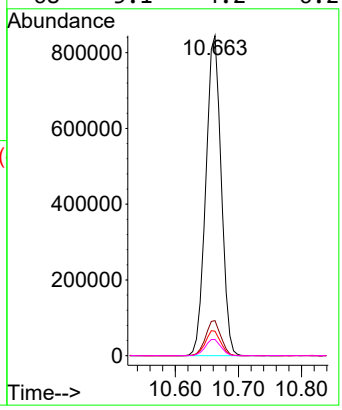


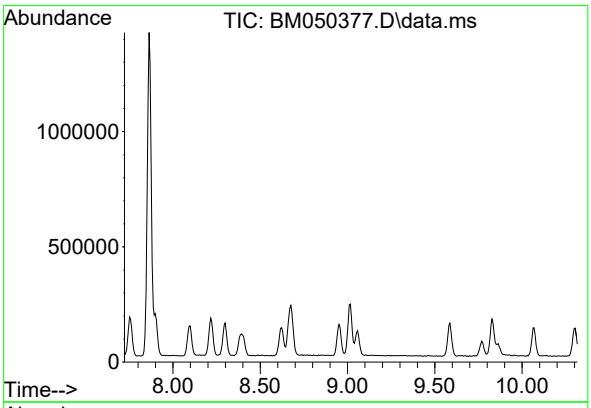

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050377.D
Acq: 08 Jul 2025 12:39

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Tgt Ion:136 Resp: 1426576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.8 | 13.2 |
| 54 | 7.7 | 6.3 | 9.5 |
| 68 | 5.1 | 4.2 | 6.2 |



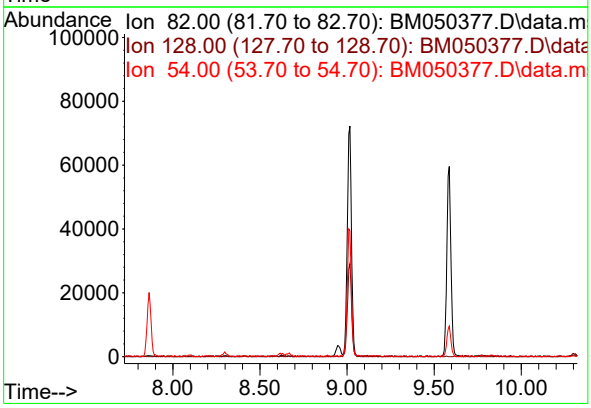



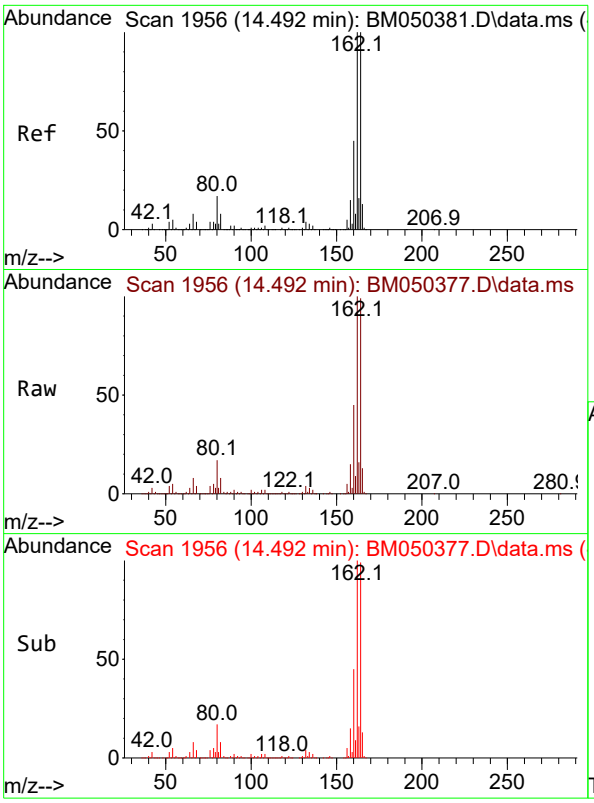

#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 9.02 min

Lab File: BM050377.D
Acq: 08 Jul 2025 12:39

Tgt Ion: 82

| Sig | Exp Ratio |
|---|---|
| 82 | 100 |
| 128 | 44.0 |
| 54 | 51.9 |



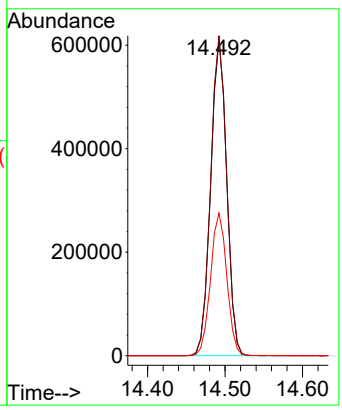


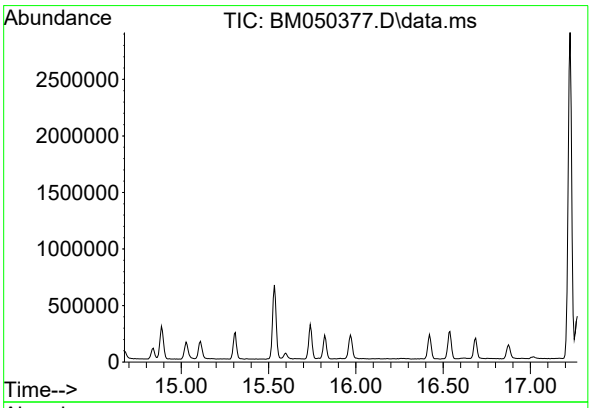

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050377.D
Acq: 08 Jul 2025 12:39

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Tgt Ion:164 Resp: 874661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.5 | 79.9 | 119.9 |
| 160 | 45.2 | 36.2 | 54.4 |



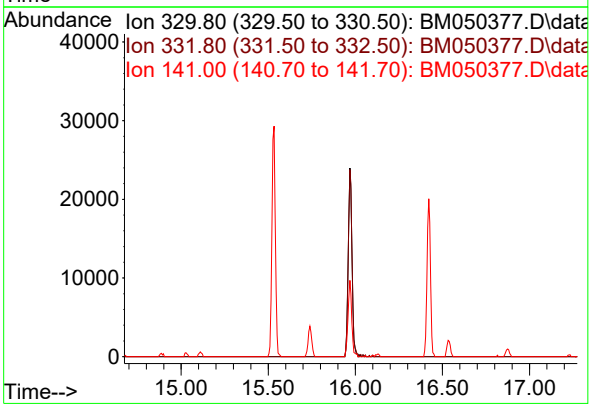



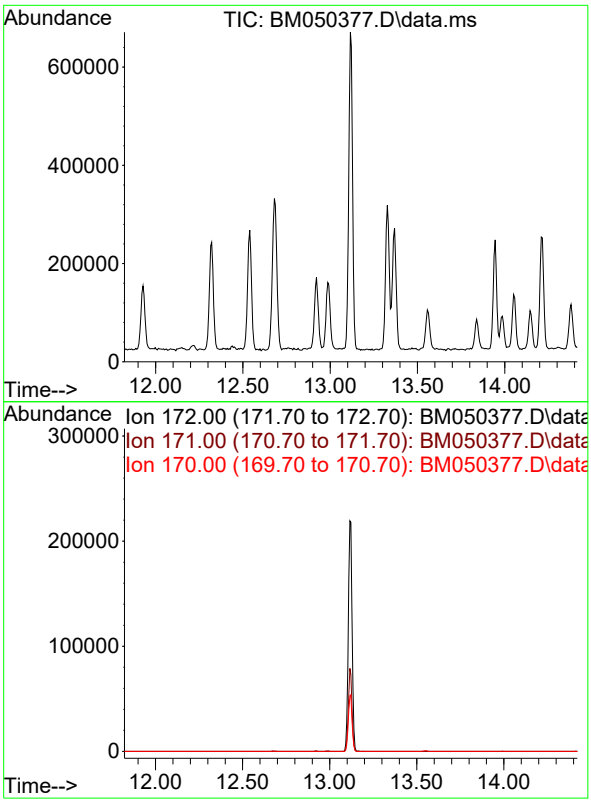

#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.97 min

Lab File: BM050377.D
Acq: 08 Jul 2025 12:39

Tgt Ion: 330

| Sig | Exp Ratio |
|---|---|
| 330 | 100 |
| 332 | 96.1 |
| 141 | 34.2 |





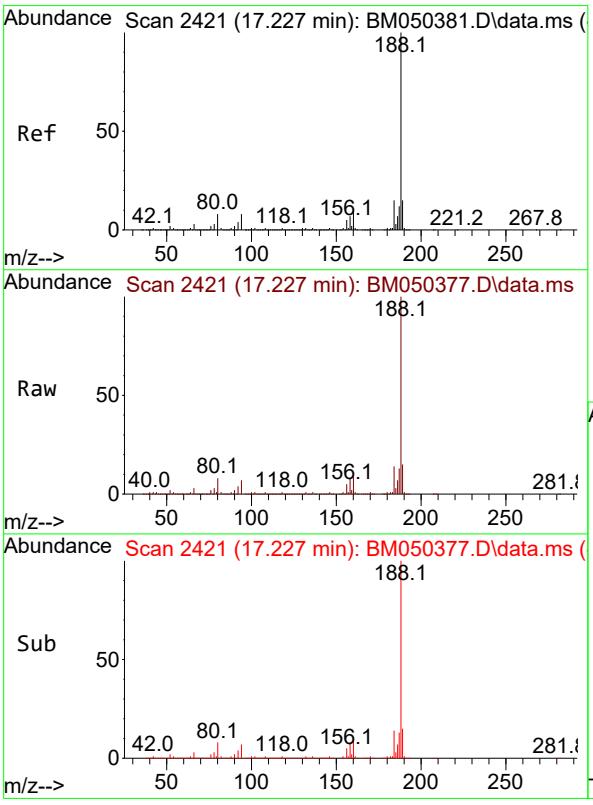

#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.12 min

Lab File: BM050377.D
Acq: 08 Jul 2025 12:39

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Tgt Ion: 172

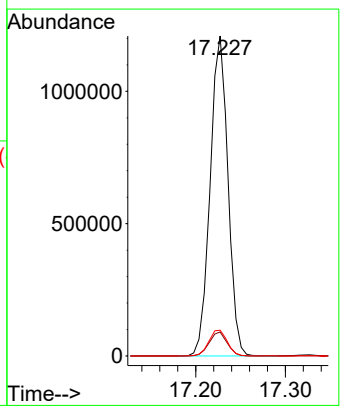
| Sig | Exp Ratio |
|---|---|
| 172 | 100 |
| 171 | 34.6 |
| 170 | 23.5 |

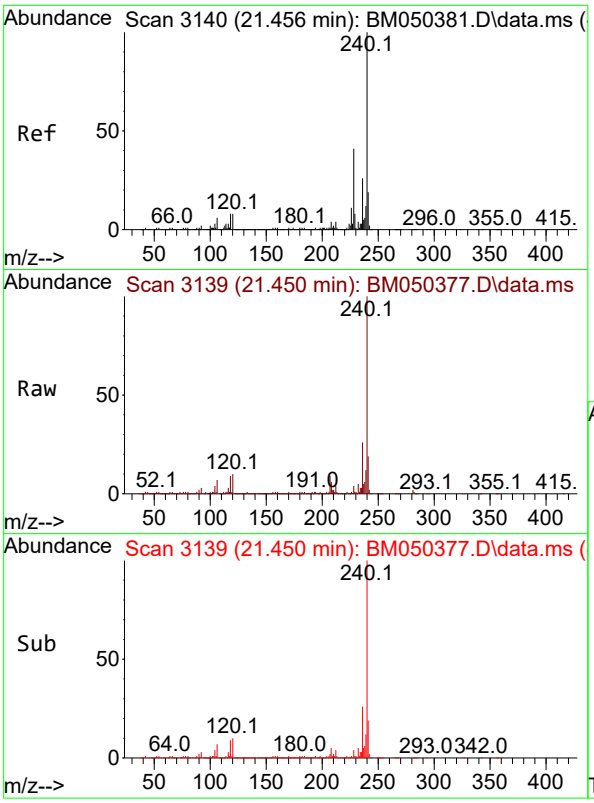



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2421
Delta R.T. 0.000 min
Lab File: BM050377.D
Acq: 08 Jul 2025 12:39

Tgt Ion:188 Resp: 1666049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.5 | 6.0 | 9.0 |
| 80 | 8.0 | 6.5 | 9.7 |



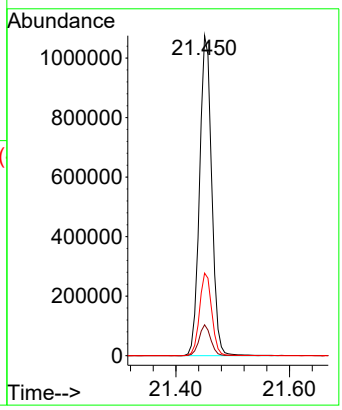


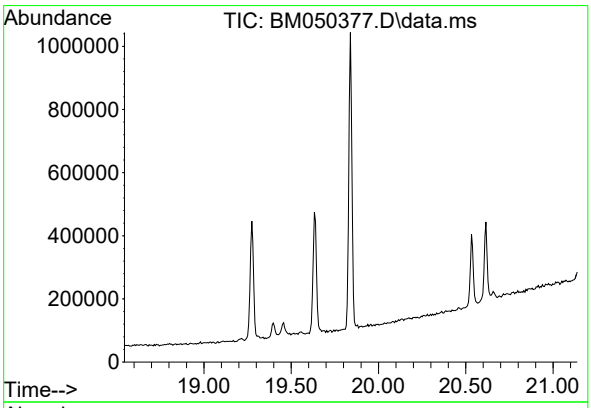

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.450 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050377.D
Acq: 08 Jul 2025 12:39

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Tgt Ion:240 Resp: 1594000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.6 | 6.7 | 10.1 |
| 236 | 25.8 | 20.7 | 31.1 |



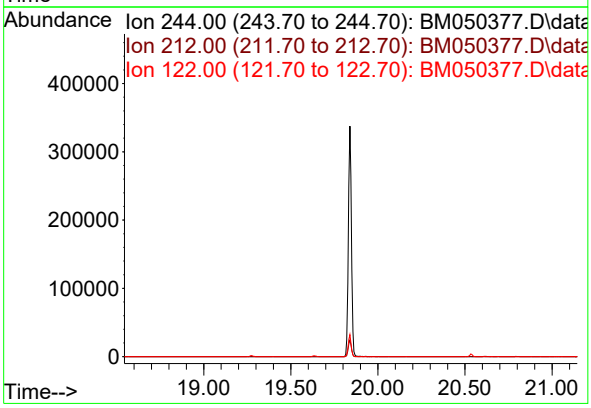



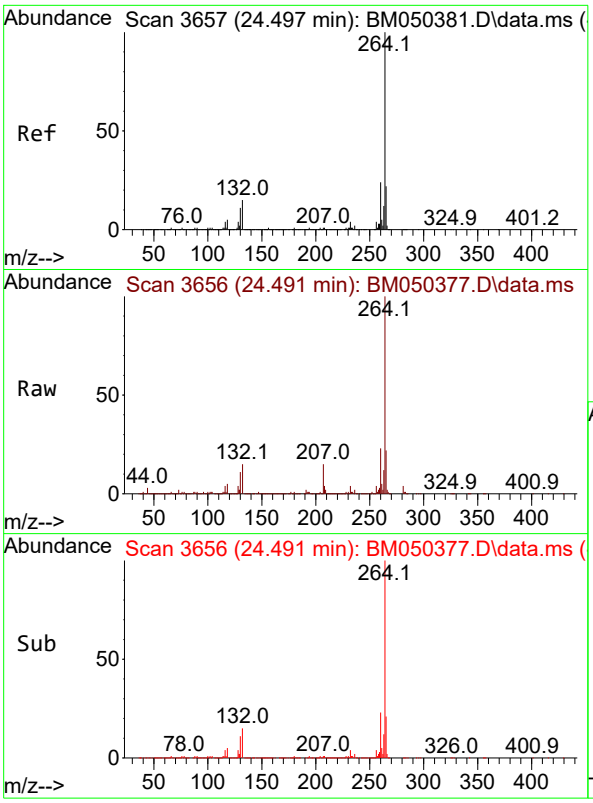

#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.84 min

Lab File: BM050377.D
Acq: 08 Jul 2025 12:39

Tgt Ion: 244

| Sig | Exp Ratio |
|---|---|
| 244 | 100 |
| 212 | 7.1 |
| 122 | 7.7 |



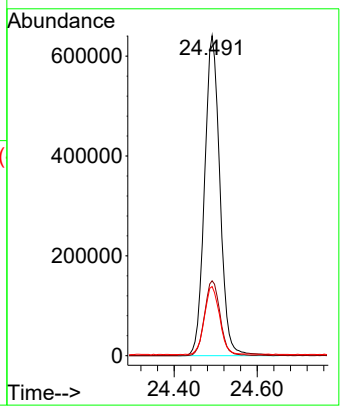



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.491 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050377.D
Acq: 08 Jul 2025 12:39

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Tgt Ion:264 Resp: 1645810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 19.2 | 28.8 |
| 265 | 21.6 | 17.8 | 26.6 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050378.D
Acq On : 08 Jul 2025 13:19
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Quant Time: Jul 08 18:19:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.869 | 152 | 332042 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.663 | 136 | 1221582 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.492 | 164 | 768894 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.227 | 188 | 1453955 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.450 | 240 | 1431554 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.491 | 264 | 1410719 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.434 | 112 | 186878 | 9.688 | ng | | 0.00 |
| 7) Phenol-d6 | 7.016 | 99 | 226950 | 9.333 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.016 | 82 | 221107 | 9.234 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.968 | 330 | 69925 | 7.485 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.116 | 172 | 604282 | 9.705 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.839 | 244 | 783562 | 9.630 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.334 | 88 | 41862 | 5.278 | ng | | 99 |
| 3) Pyridine | 3.734 | 79 | 103718 | 4.981 | ng | | 94 |
| 6) Aniline | 7.187 | 93 | 148080 | 4.745 | ng | | 99 |
| 8) 2-Chlorophenol | 7.428 | 128 | 94226 | 4.632 | ng | | 98 |
| 10) Phenol | 7.045 | 94 | 121196 | 4.778 | ng | | 100 |
| 11) bis(2-Chloroethyl)ether | 7.281 | 93 | 99772 | 4.912 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.757 | 146 | 124875 | 5.049 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.898 | 146 | 128887 | 5.103 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.216 | 146 | 122972 | 5.086 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.392 | 45 | 152357 | 5.092 | ng | | 99 |
| 17) 2-Methylphenol | 8.298 | 107 | 76571 | 4.655 | ng | | 97 |
| 18) Hexachloroethane | 8.951 | 117 | 42990 | 4.840 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.663 | 70 | 66842 | 4.537 | ng | | 96 |
| 22) Acetophenone | 8.681 | 105 | 150473 | 4.927 | ng | # | 98 |
| 24) Nitrobenzene | 9.057 | 77 | 101661 | 4.758 | ng | | 97 |
| 25) Isophorone | 9.586 | 82 | 174388 | 4.488 | ng | | 99 |
| 26) 2-Nitrophenol | 9.769 | 139 | 32805 | 3.767 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 9.828 | 122 | 90013 | 4.858 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 10.069 | 93 | 124150 | 4.822 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.304 | 162 | 84485 | 4.438 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.522 | 180 | 112916 | 4.958 | ng | | 98 |
| 31) Naphthalene | 10.710 | 128 | 315550 | 5.086 | ng | | 99 |
| 33) 4-Chloroaniline | 10.810 | 127 | 121575 | 4.635 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.010 | 225 | 67689 | 4.870 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 11.927 | 107 | 78716 | 4.428 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.322 | 142 | 186482 | 4.760 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.539 | 142 | 198866 | 4.796 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.686 | 216 | 113496 | 4.642 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.922 | 196 | 63524 | 4.221 | ng | | 100 |
| 44) 2,4,5-Trichlorophenol | 12.992 | 196 | 68958 | 4.195 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.327 | 154 | 281496 | 4.934 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.369 | 162 | 223672 | 4.918 | ng | | 99 |
| 48) 2-Nitroaniline | 13.563 | 65 | 37953 | 3.738 | ng | | 97 |
| 49) Acenaphthylene | 14.216 | 152 | 316292 | 4.601 | ng | | 98 |
| 50) Dimethylphthalate | 13.945 | 163 | 254362 | 4.805 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.057 | 165 | 37711 | 3.710 | ng | | 88 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050378.D
Acq On : 08 Jul 2025 13:19
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Quant Time: Jul 08 18:19:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

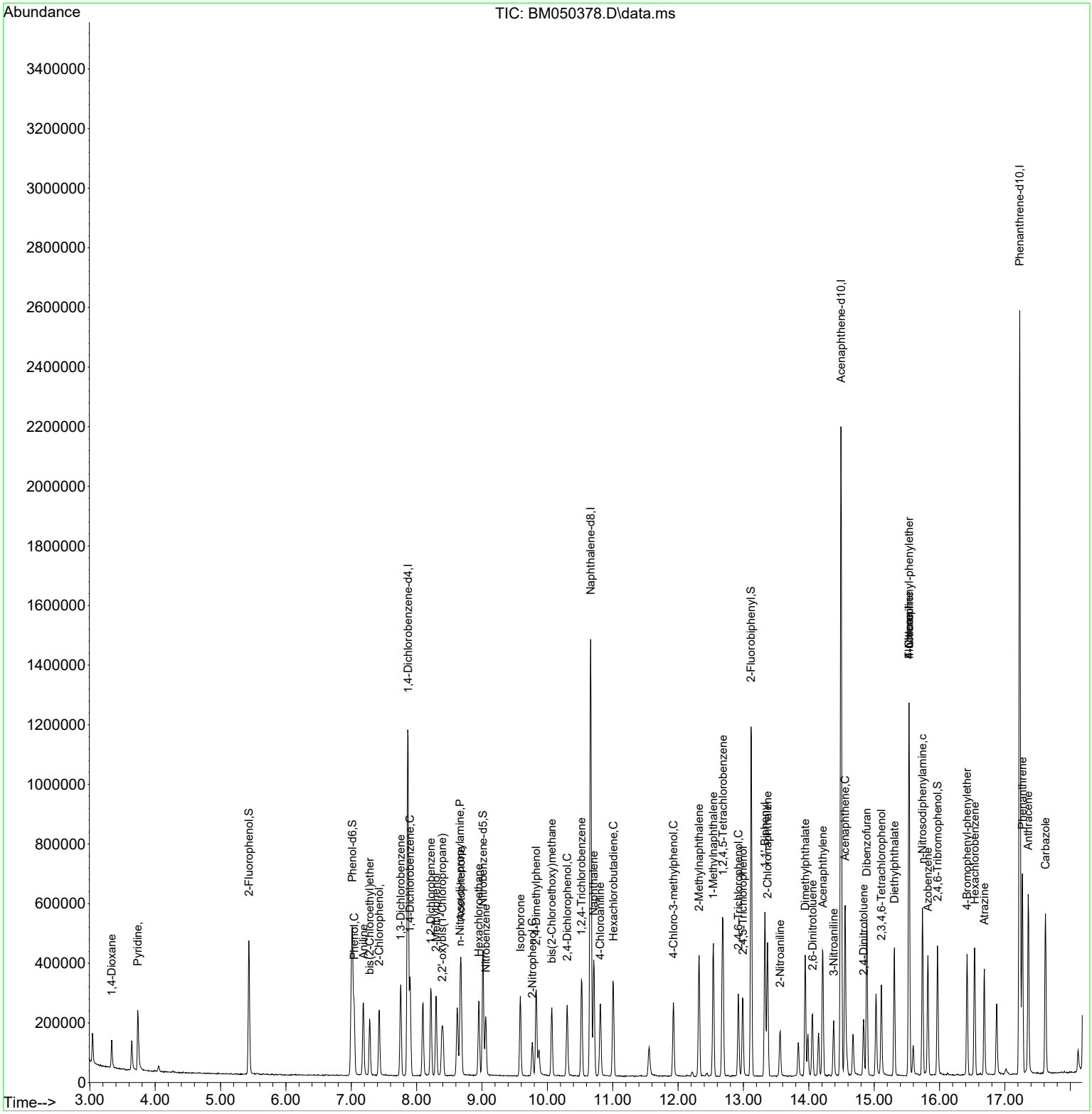
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 52) Acenaphthene | 14.557 | 154 | 208840 | 4.779 | ng | | 97 |
| 53) 3-Nitroaniline | 14.380 | 138 | 39220 | 3.628 | ng | # | 85 |
| 55) Dibenzofuran | 14.886 | 168 | 335867 | 4.988 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 14.839 | 165 | 44983 | 5.513 | ng | # | 87 |
| 58) Fluorene | 15.533 | 166 | 259083 | 4.671 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.110 | 232 | 57532 | 4.158 | ng | | 95 |
| 60) Diethylphthalate | 15.310 | 149 | 233863 | 4.625 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.533 | 204 | 132153 | 4.557 | ng | | 94 |
| 62) 4-Nitroaniline | 15.533 | 138 | 36922 | 5.398 | ng | | 80 |
| 63) Azobenzene | 15.821 | 77 | 208493 | 4.490 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.739 | 169 | 207747 | 4.566 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.421 | 248 | 71279 | 4.450 | ng | | 92 |
| 68) Hexachlorobenzene | 16.539 | 284 | 86781 | 4.587 | ng | | 99 |
| 69) Atrazine | 16.686 | 200 | 60444 | 4.046 | ng | | 97 |
| 71) Phenanthrene | 17.268 | 178 | 406647 | 4.943 | ng | | 99 |
| 72) Anthracene | 17.357 | 178 | 373674 | 4.563 | ng | | 99 |
| 73) Carbazole | 17.621 | 167 | 341196 | 4.605 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.198 | 149 | 346654 | 4.274 | ng | | 99 |
| 75) Fluoranthene | 19.274 | 202 | 395390 | 4.421 | ng | | 98 |
| 78) Pyrene | 19.633 | 202 | 428758 | 4.676 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.533 | 149 | 113580 | 3.757 | ng | | 94 |
| 81) Benzo(a)anthracene | 21.433 | 228 | 430980 | 4.620 | ng | | 100 |
| 83) Chrysene | 21.497 | 228 | 415885 | 4.727 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 21.368 | 149 | 178701 | 3.724 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 27.921 | 276 | 426152 | 4.249 | ng | | 95 |
| 88) Benzo(b)fluoranthene | 23.527 | 252 | 384470 | 4.431 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 23.591 | 252 | 389878 | 4.330 | ng | # | 97 |
| 90) Benzo(a)pyrene | 24.344 | 252 | 339308 | 4.177 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 27.991 | 278 | 360576 | 4.269 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 28.985 | 276 | 349804 | 4.382 | ng | | 97 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050378.D
Acq On : 08 Jul 2025 13:19
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

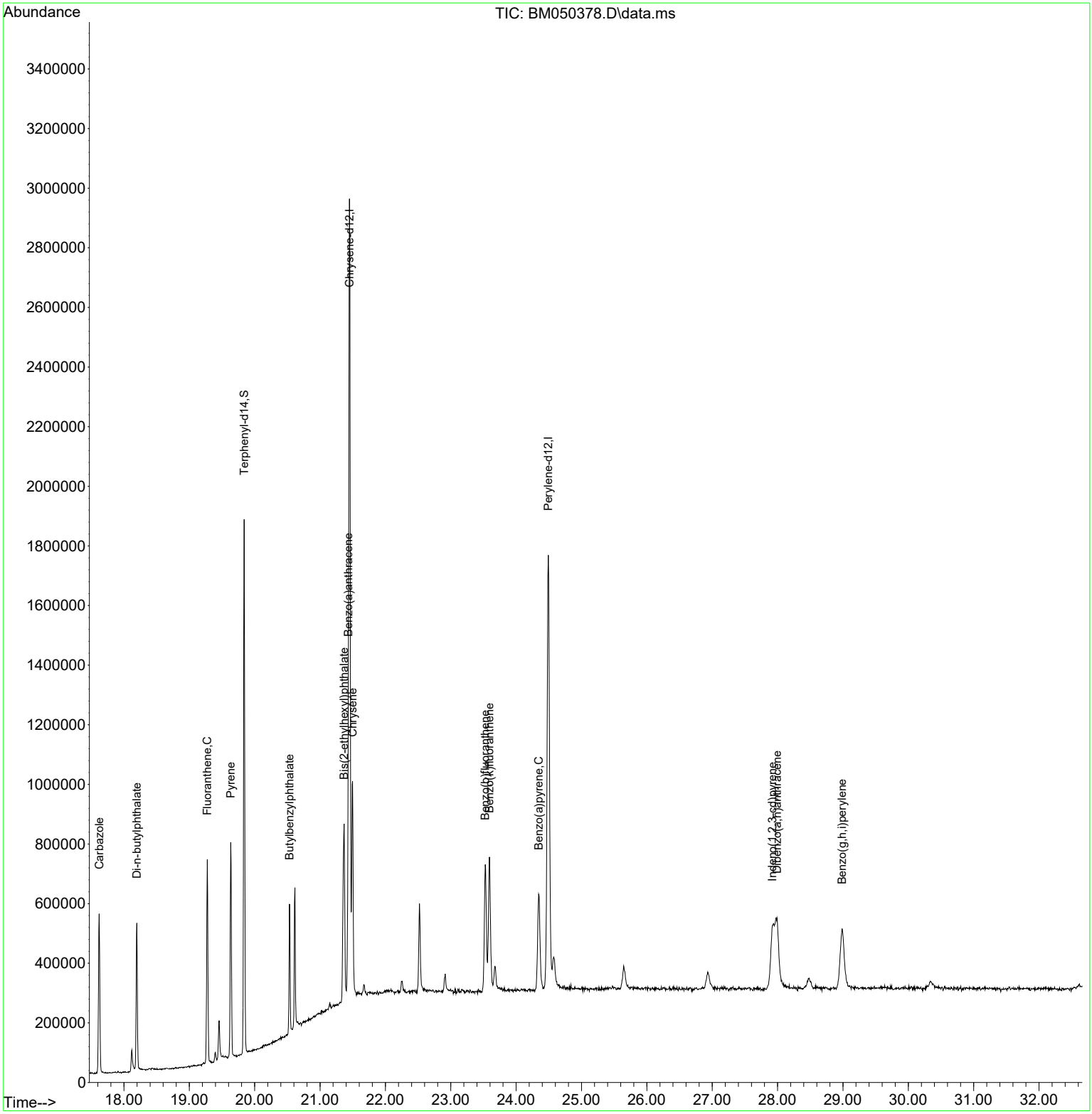
Quant Time: Jul 08 18:19:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

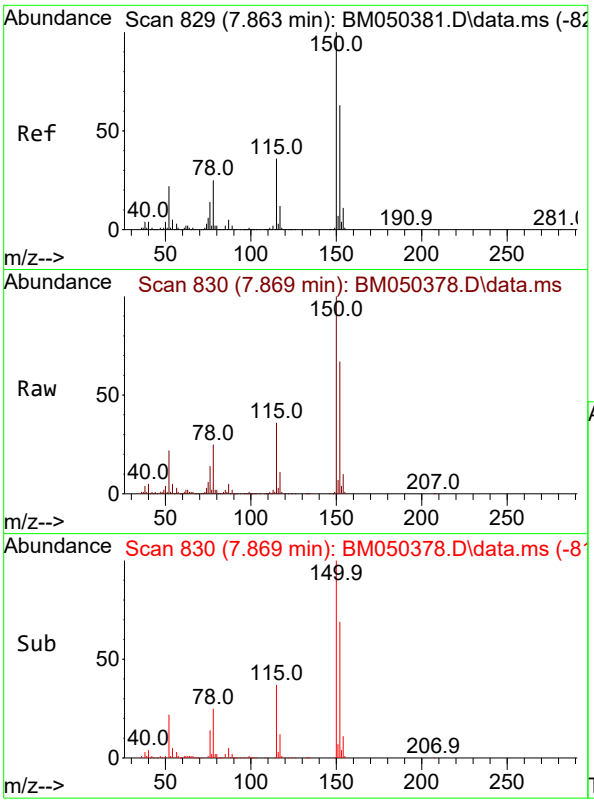


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050378.D
Acq On : 08 Jul 2025 13:19
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Quant Time: Jul 08 18:19:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration



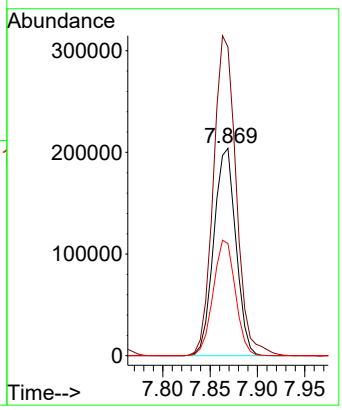


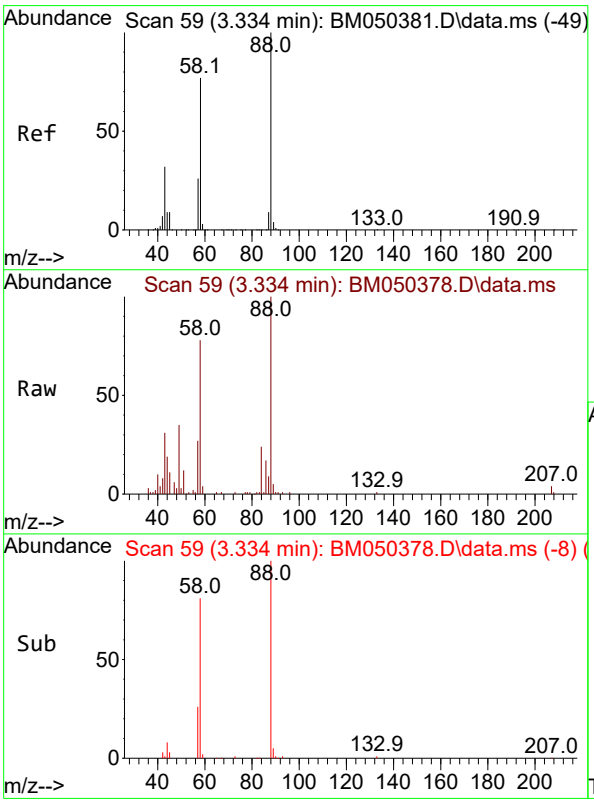

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.869 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:152 Resp: 332042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 148.8 | 126.2 | 189.4 |
| 115 | 54.1 | 45.8 | 68.8 |

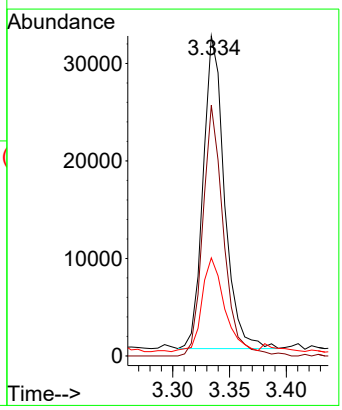


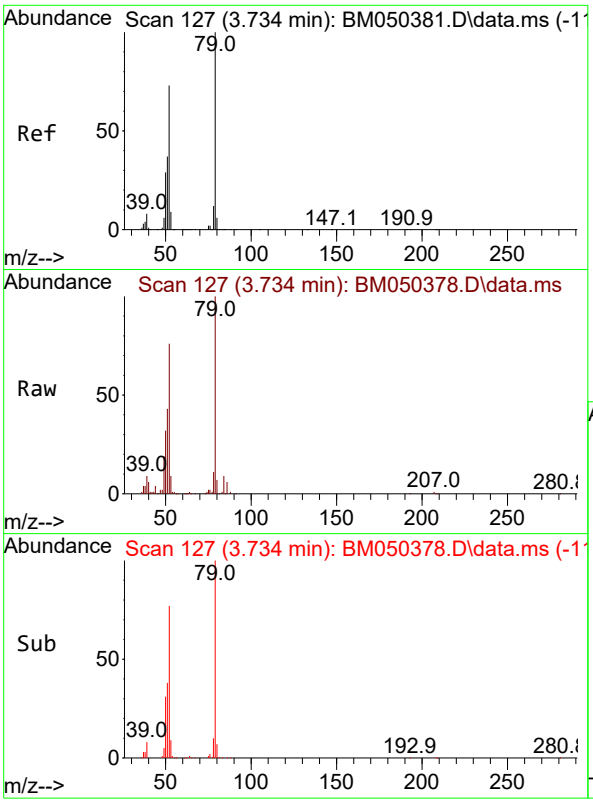




#2
1,4-Dioxane
Concen: 5.278 ng
RT: 3.334 min Scan# 59
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion: 88 Resp: 41862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 77.6 | 61.0 | 91.6 |
| 43 | 31.5 | 24.6 | 37.0 |



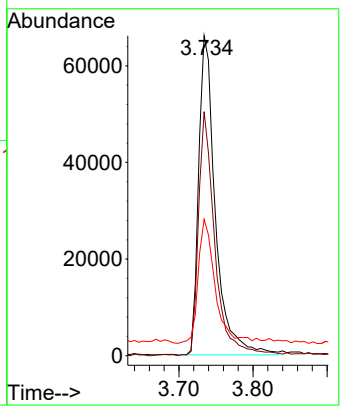


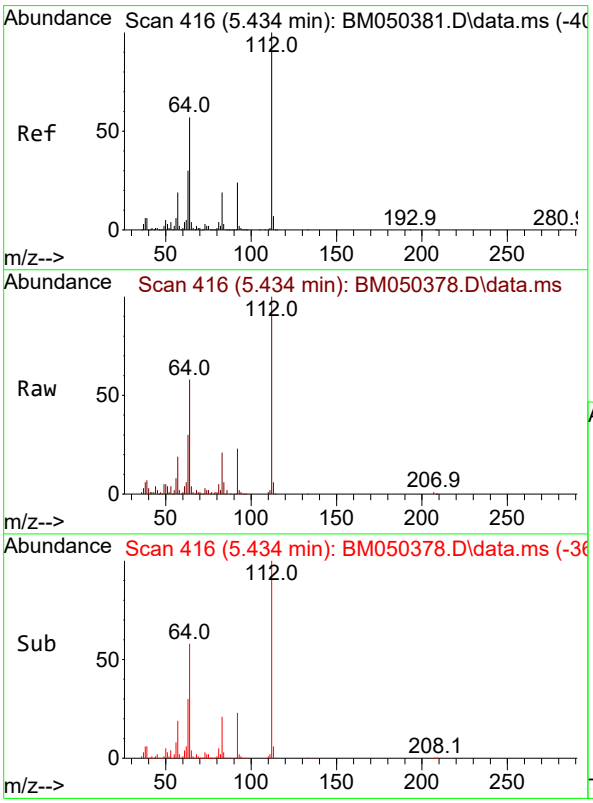

#3
Pyridine
Concen: 4.981 ng
RT: 3.734 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion: 79 Resp: 103718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 76.3 | 58.3 | 87.5 |
| 51 | 42.6 | 29.6 | 44.4 |

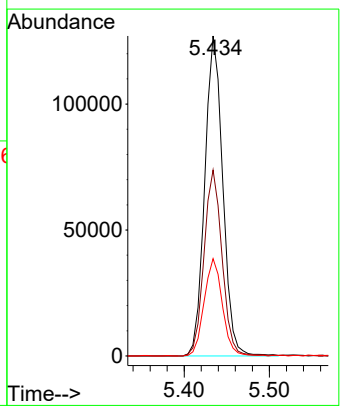


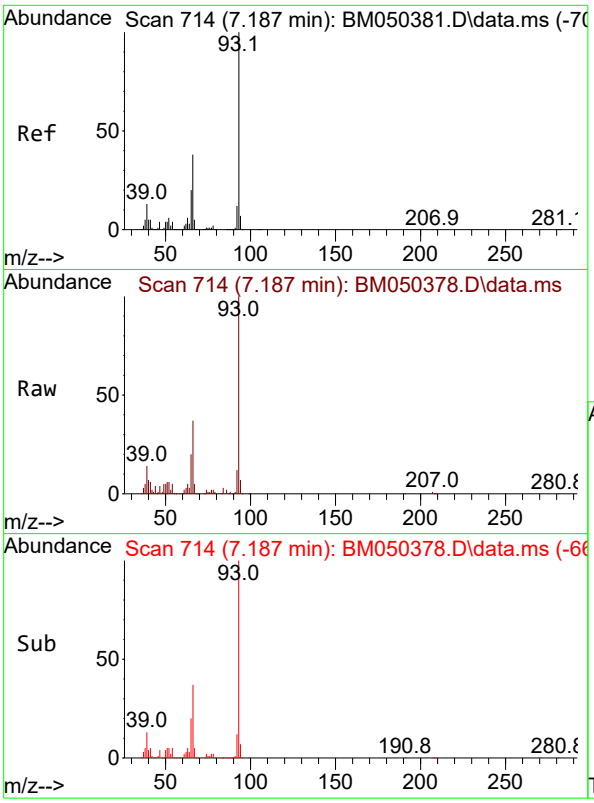




#5
2-Fluorophenol
Concen: 9.688 ng
RT: 5.434 min Scan# 416
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:112 Resp: 186878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.1 | 45.5 | 68.3 |
| 63 | 30.4 | 24.2 | 36.4 |



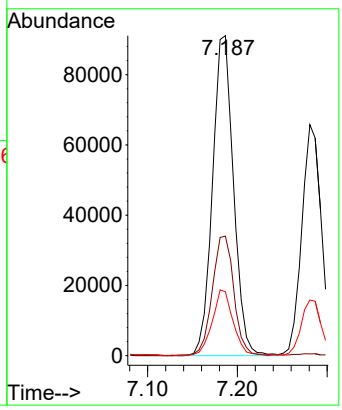


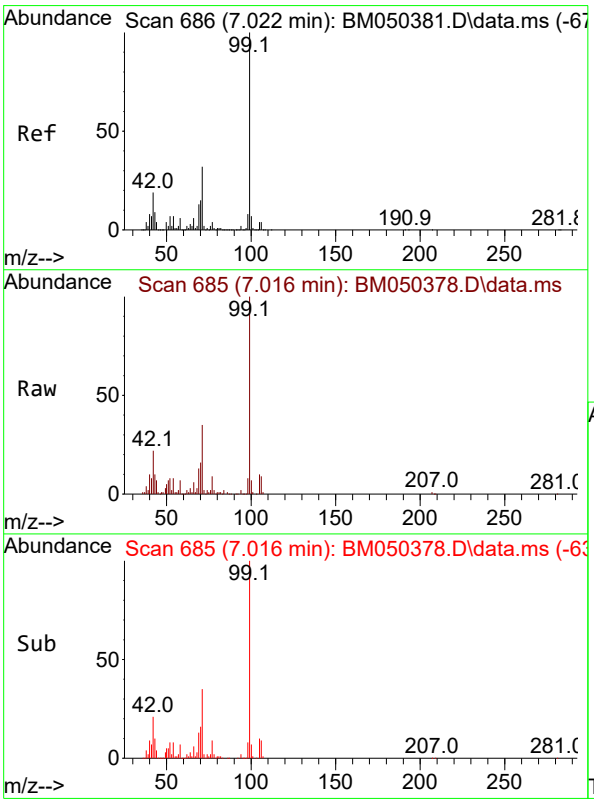

#6
Aniline
Concen: 4.745 ng
RT: 7.187 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion: 93 Resp: 148080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 37.4 | 30.5 | 45.7 |
| 65 | 20.0 | 15.9 | 23.9 |

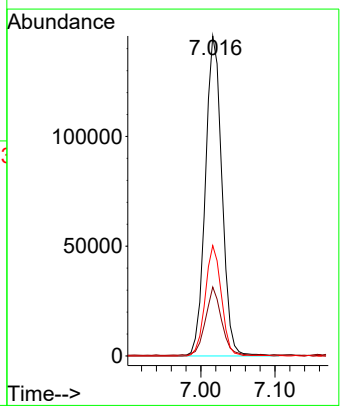


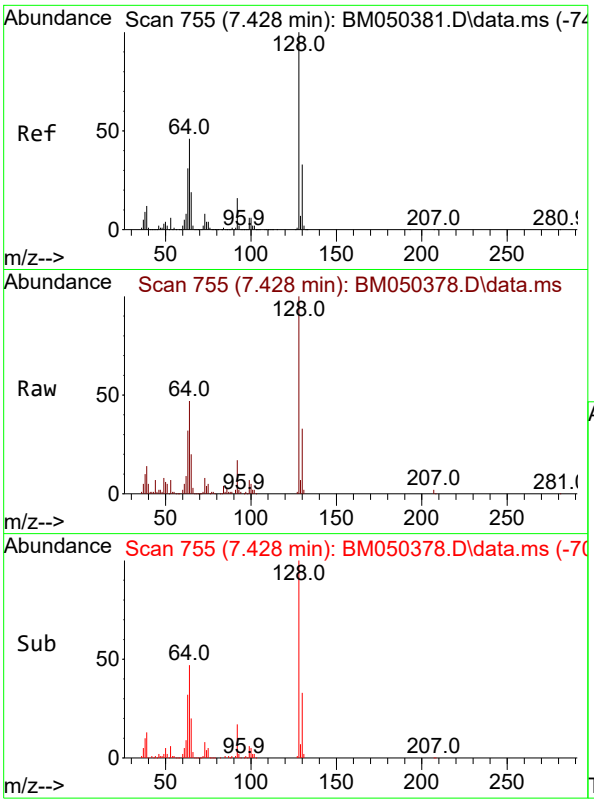




#7
Phenol-d6
Concen: 9.333 ng
RT: 7.016 min Scan# 685
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion: 99 Resp: 226950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.6 | 15.0 | 22.6 |
| 71 | 34.5 | 25.9 | 38.9 |



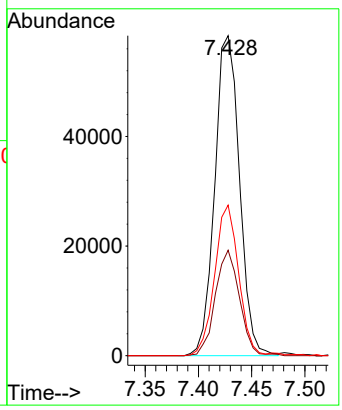


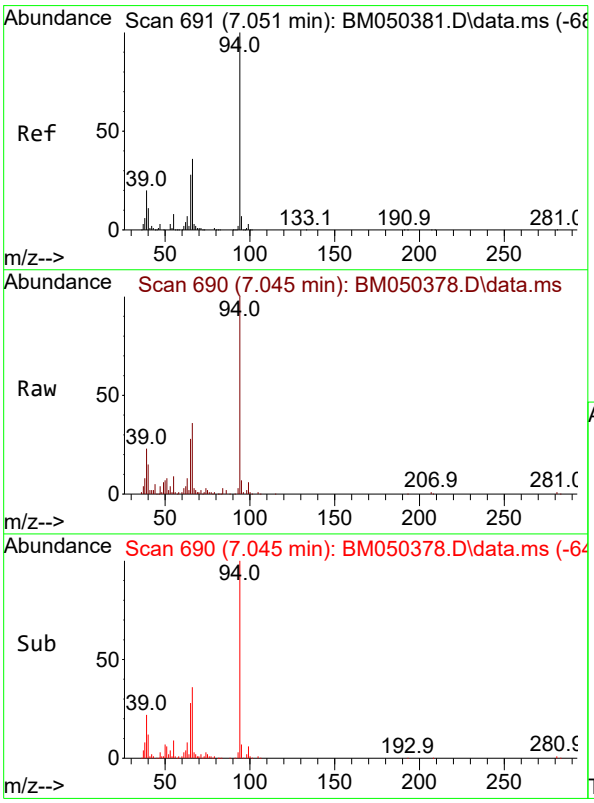

#8
2-Chlorophenol
Concen: 4.632 ng
RT: 7.428 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:128 Resp: 94226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.0 | 13.3 | 53.3 |
| 64 | 47.1 | 25.6 | 65.6 |

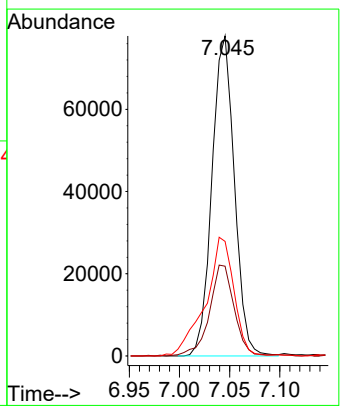


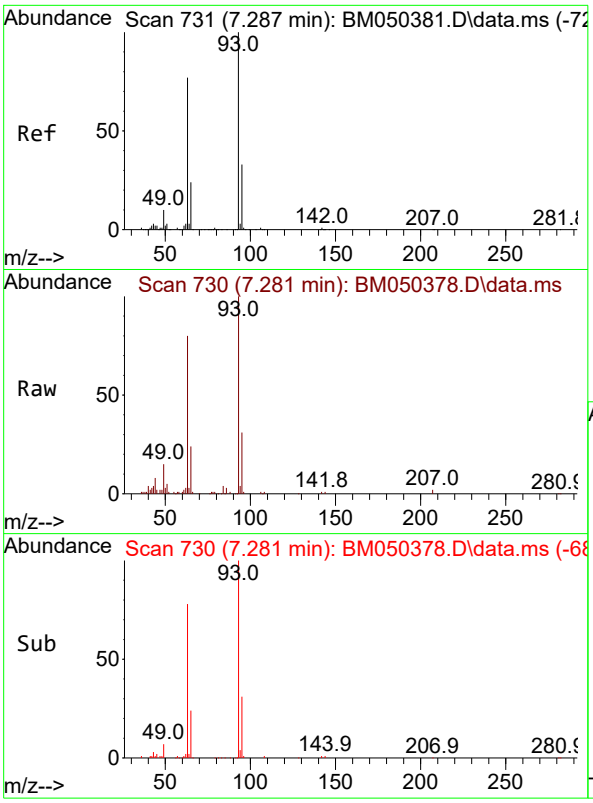




#10
Phenol
Concen: 4.778 ng
RT: 7.045 min Scan# 690
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion: 94 Resp: 121196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.0 | 8.1 | 48.1 |
| 66 | 35.8 | 15.8 | 55.8 |



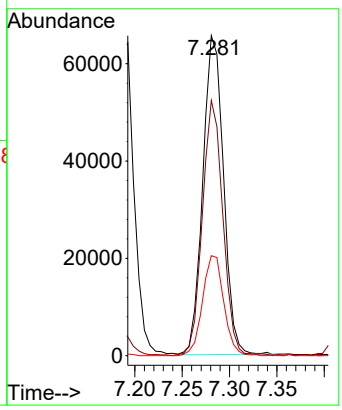


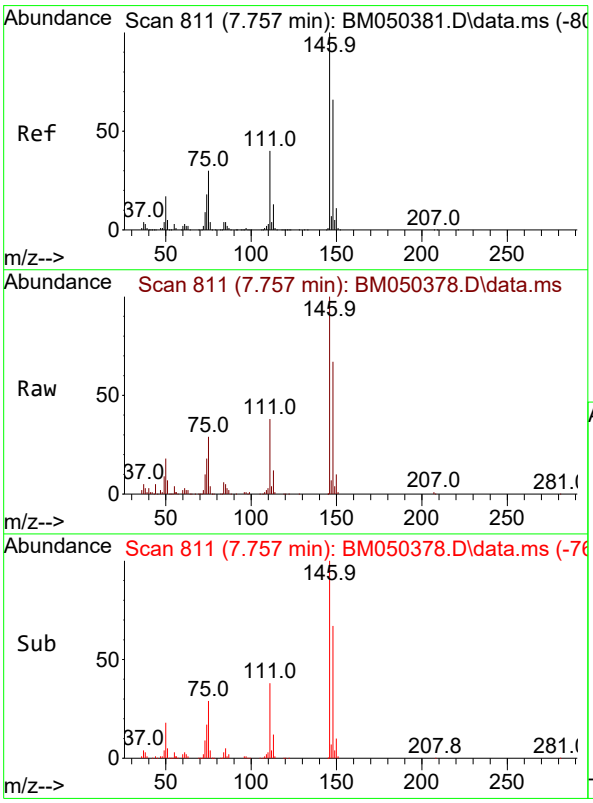

#11
bis(2-Chloroethyl)ether
Concen: 4.912 ng
RT: 7.281 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion: 93 Resp: 99772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 79.7 | 56.9 | 96.9 |
| 95 | 31.2 | 12.6 | 52.6 |

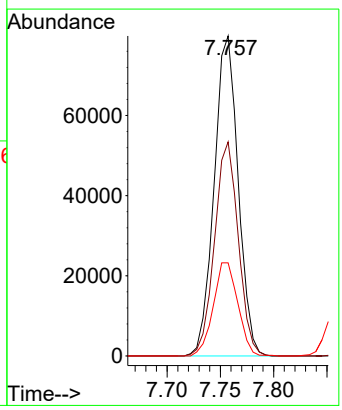


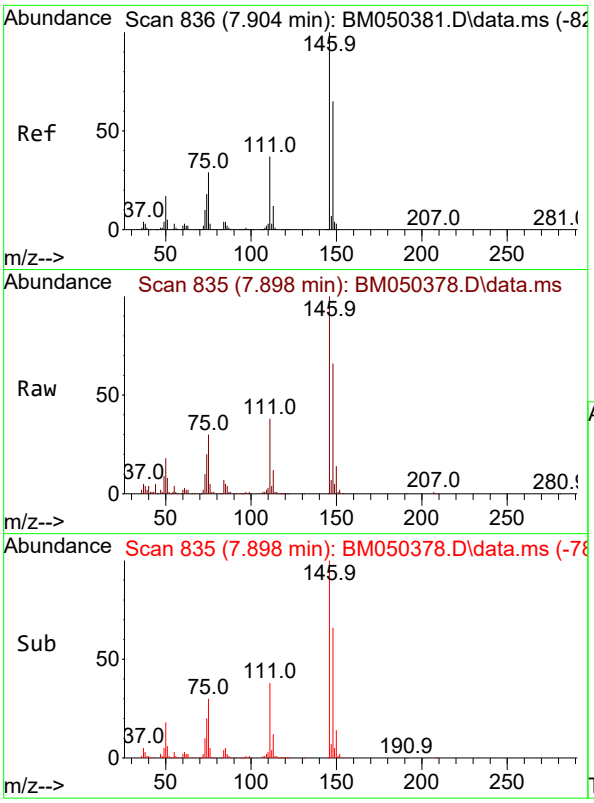




#12
1,3-Dichlorobenzene
Concen: 5.049 ng
RT: 7.757 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:146 Resp: 124875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 66.9 | 53.2 | 79.8 |
| 75 | 29.1 | 23.9 | 35.9 |



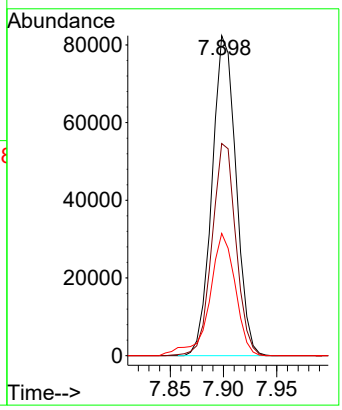


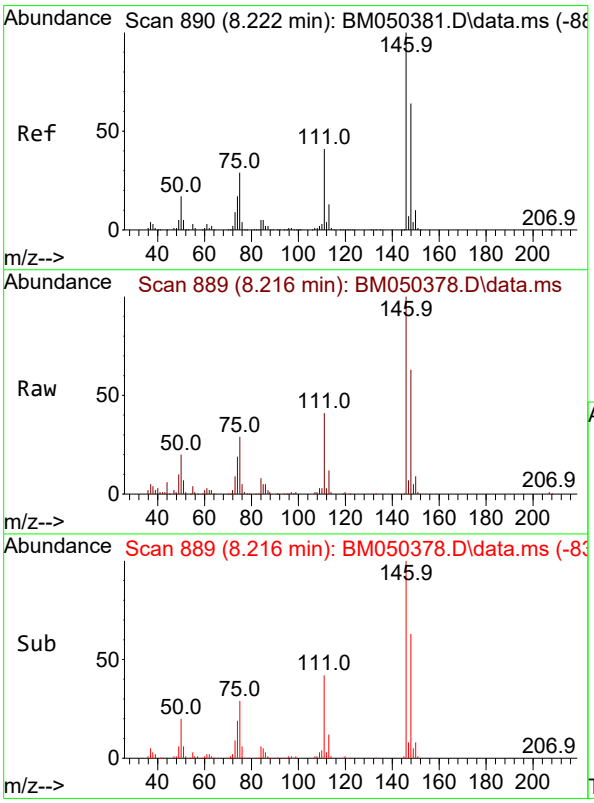

#13
1,4-Dichlorobenzene
Concen: 5.103 ng
RT: 7.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:146 Resp: 128887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 66.3 | 51.9 | 77.9 |
| 111 | 38.2 | 30.0 | 45.0 |

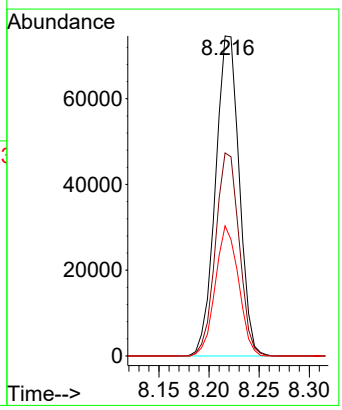


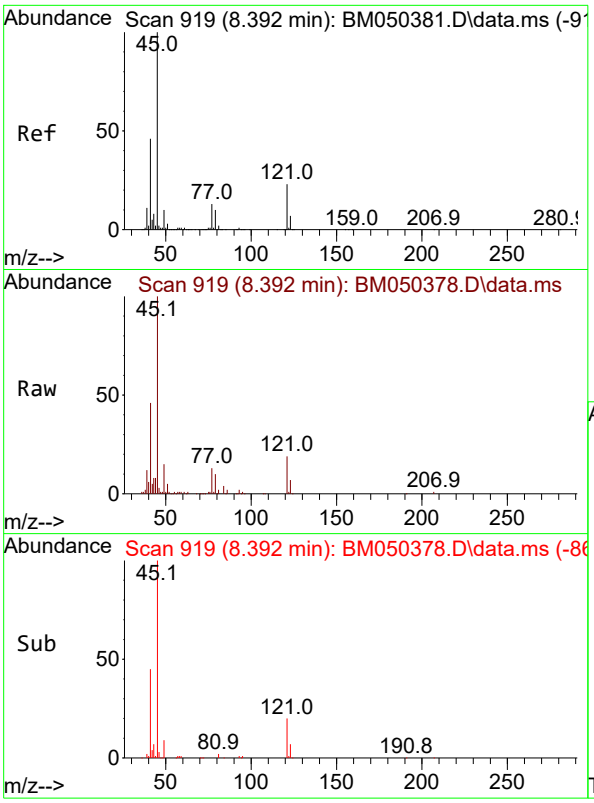




#14
1,2-Dichlorobenzene
Concen: 5.086 ng
RT: 8.216 min Scan# 889
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:146 Resp: 122972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.5 | 51.5 | 77.3 |
| 111 | 40.7 | 32.6 | 49.0 |



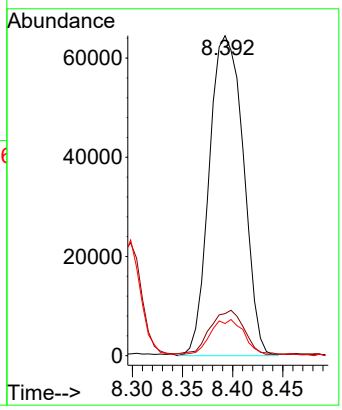


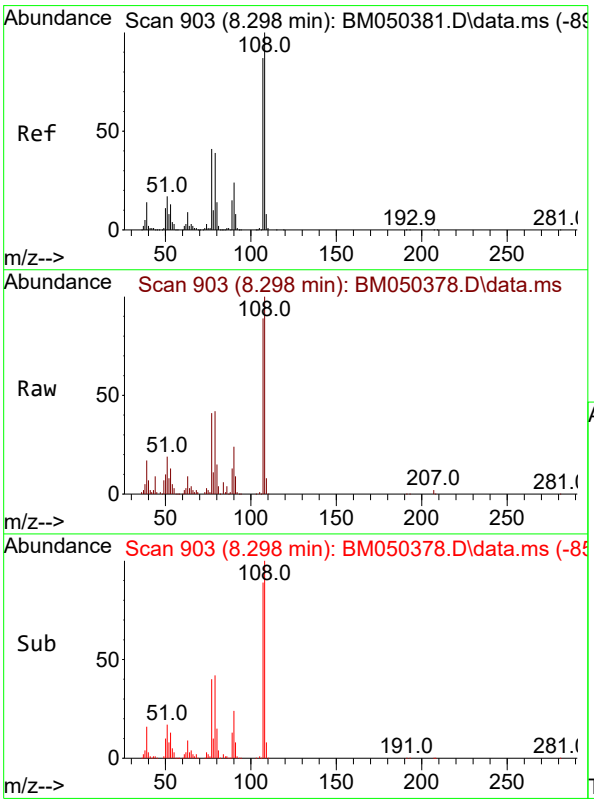

#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.092 ng
RT: 8.392 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion: 45 Resp: 152357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 13.1 | 0.0 | 33.5 |
| 79 | 10.1 | 0.0 | 30.3 |

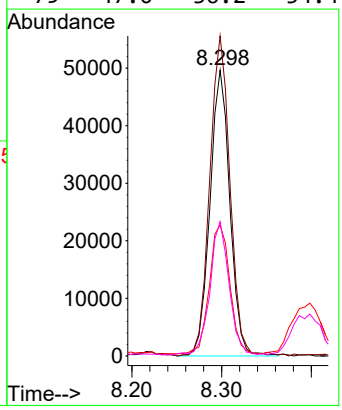


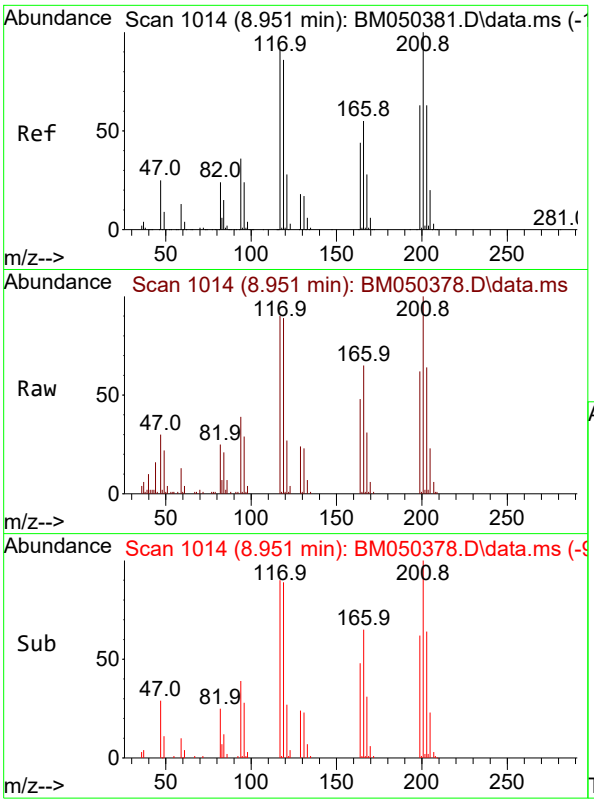




#17
2-Methylphenol
Concen: 4.655 ng
RT: 8.298 min Scan# 903
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:107 Resp: 76571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.0 | 92.1 | 138.1 |
| 77 | 45.8 | 38.2 | 57.4 |
| 79 | 47.0 | 36.2 | 54.4 |



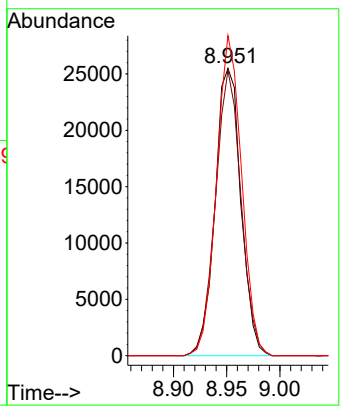


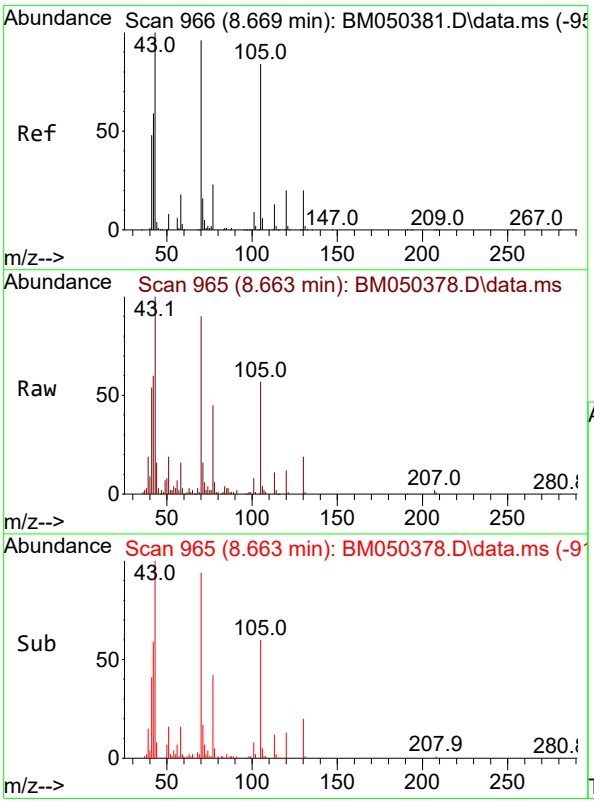

#18
Hexachloroethane
Concen: 4.840 ng
RT: 8.951 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:117 Resp: 42990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 99.2 | 75.6 | 113.4 |
| 201 | 111.4 | 87.9 | 131.9 |

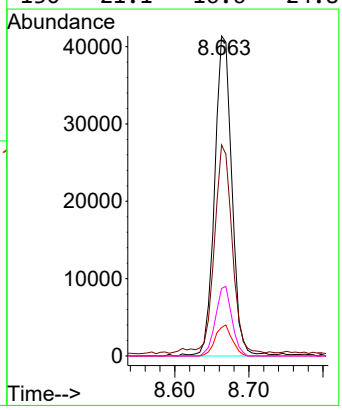


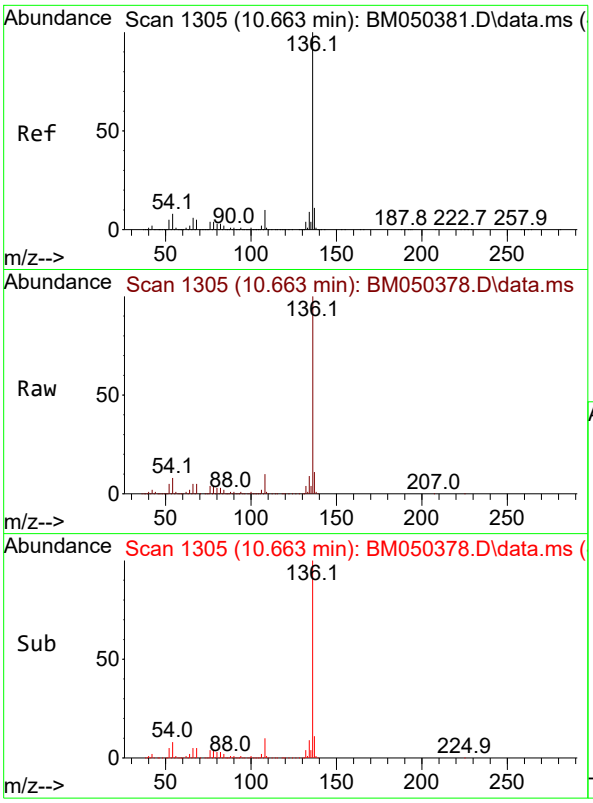




#19
n-Nitroso-di-n-propylamine
Concen: 4.537 ng
RT: 8.663 min Scan# 965
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion: 70 Resp: 66842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 66.0 | 49.7 | 74.5 |
| 101 | 8.9 | 7.7 | 11.5 |
| 130 | 21.1 | 16.6 | 24.8 |



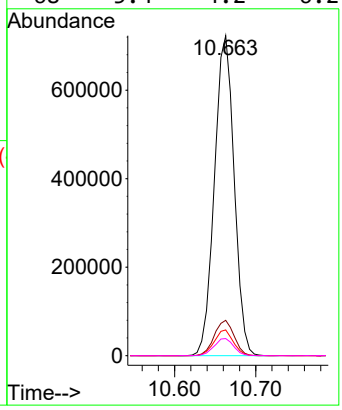


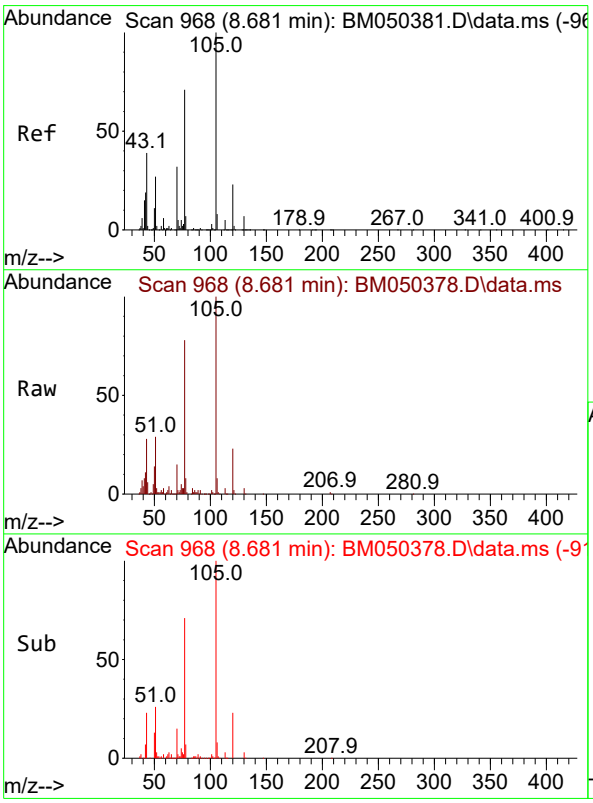

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:136 Resp: 1221582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.8 | 13.2 |
| 54 | 8.0 | 6.3 | 9.5 |
| 68 | 5.4 | 4.2 | 6.2 |

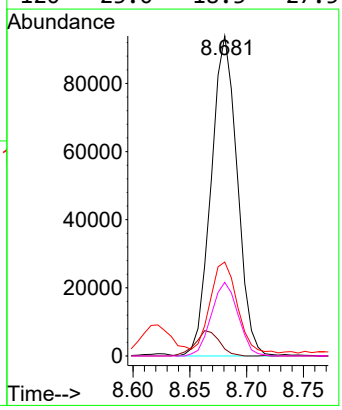


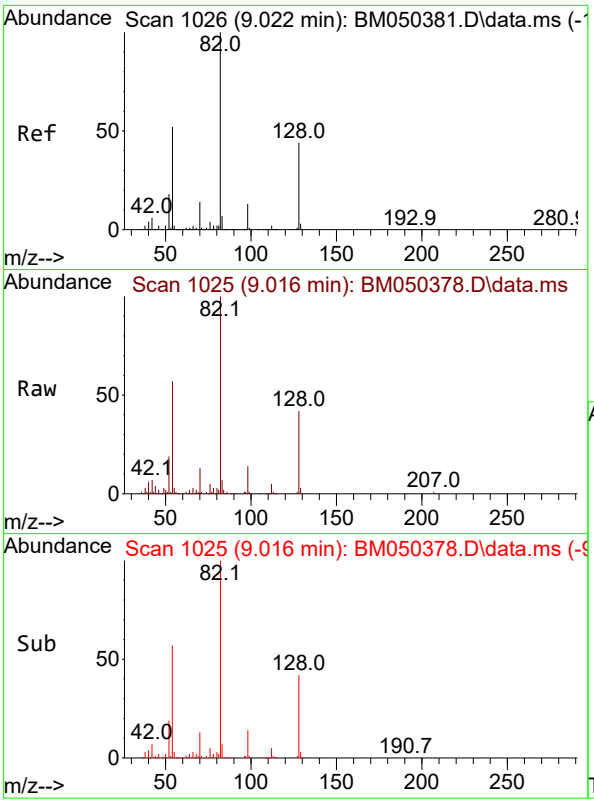




#22
Acetophenone
Concen: 4.927 ng
RT: 8.681 min Scan# 968
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:105 Resp: 150473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 2.2 | 4.4 | 6.6# |
| 51 | 29.3 | 23.0 | 34.6 |
| 120 | 23.0 | 18.3 | 27.5 |



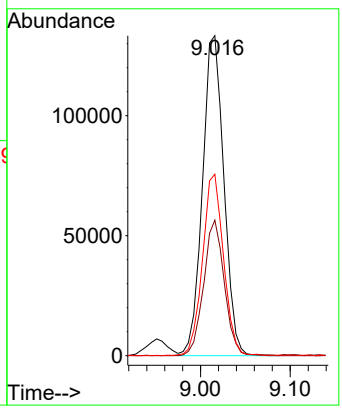


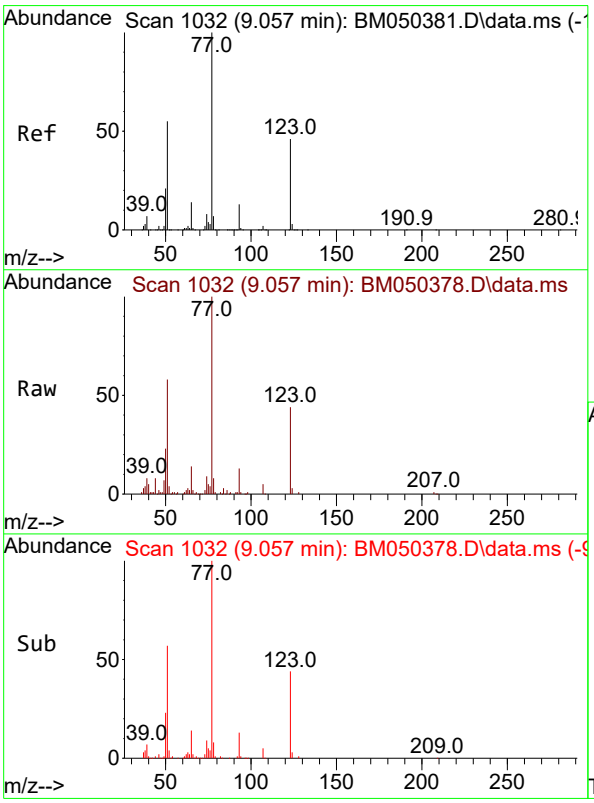

#23
Nitrobenzene-d5
Concen: 9.234 ng
RT: 9.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion: 82 Resp: 221107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.3 | 35.2 | 52.8 |
| 54 | 56.7 | 41.5 | 62.3 |

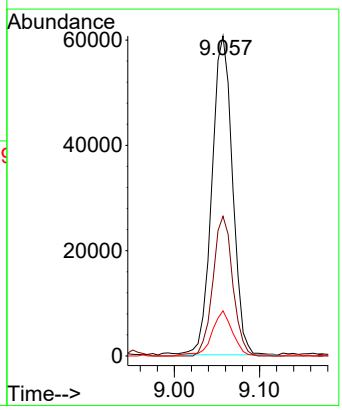


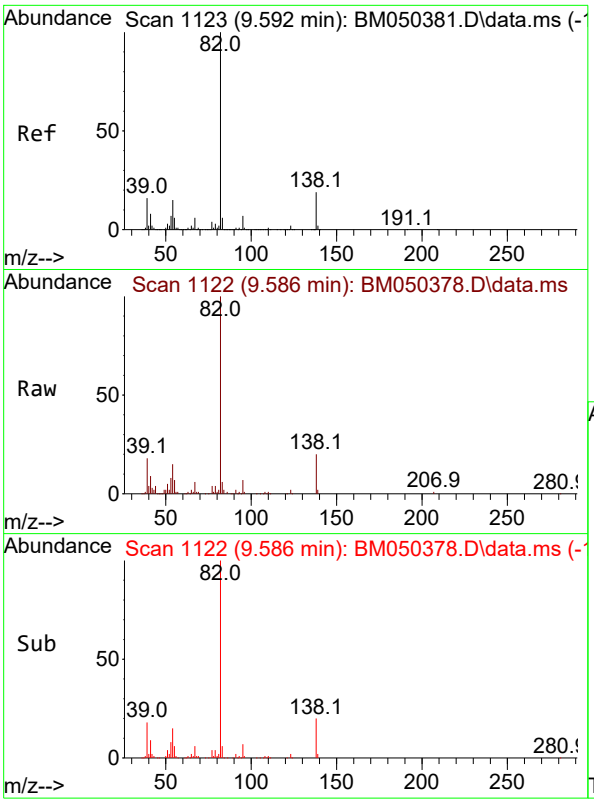




#24
Nitrobenzene
Concen: 4.758 ng
RT: 9.057 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion: 77 Resp: 101661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 43.7 | 37.0 | 55.6 |
| 65 | 14.1 | 11.0 | 16.4 |



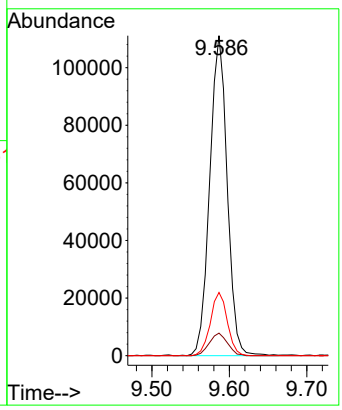


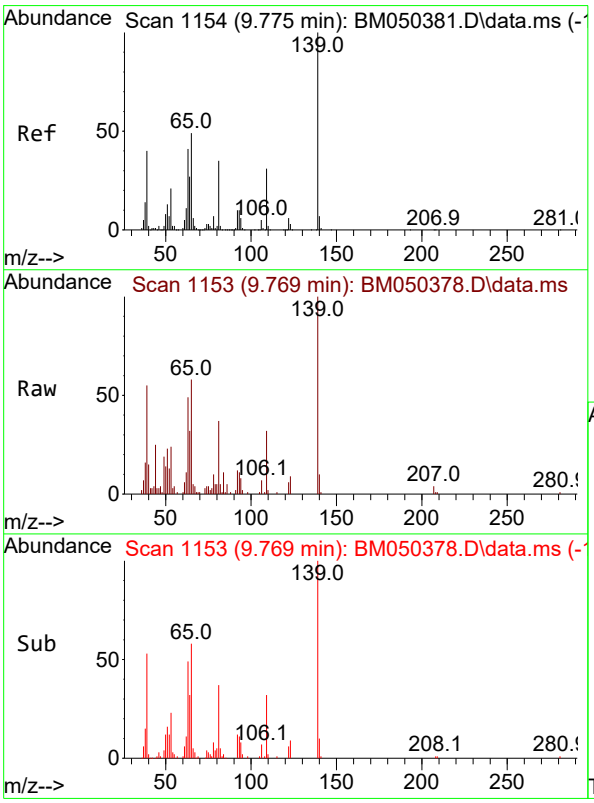

#25
Isophorone
Concen: 4.488 ng
RT: 9.586 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion: 82 Resp: 174388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.0 | 5.6 | 8.4 |
| 138 | 19.7 | 15.3 | 22.9 |

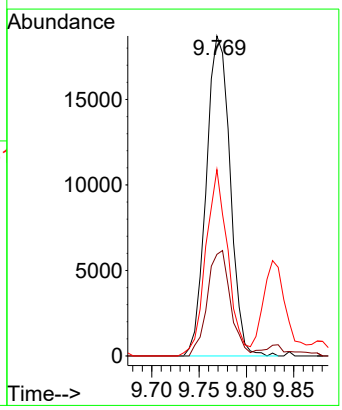


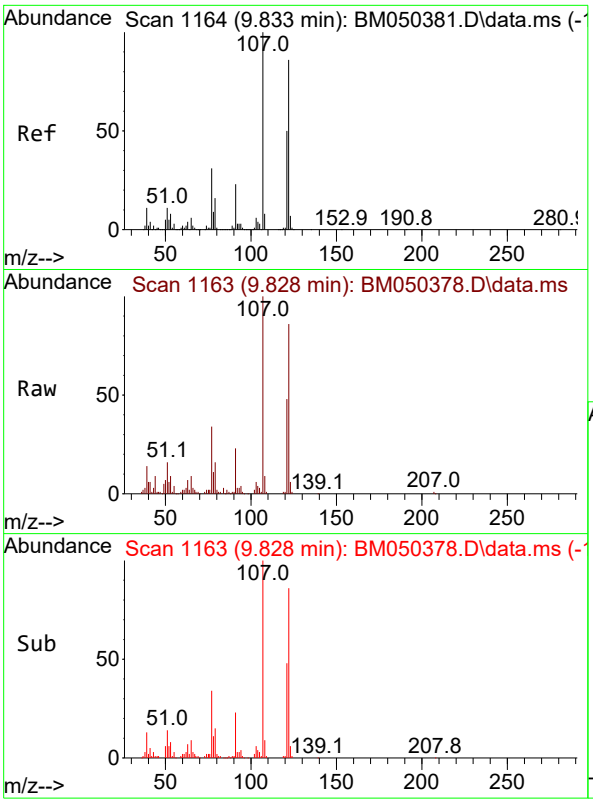




#26
2-Nitrophenol
Concen: 3.767 ng
RT: 9.769 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:139 Resp: 32805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 31.8 | 24.6 | 36.8 |
| 65 | 58.3 | 39.2 | 58.8 |



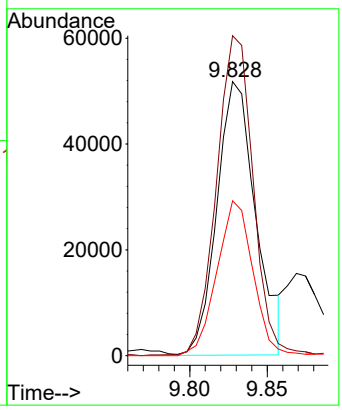


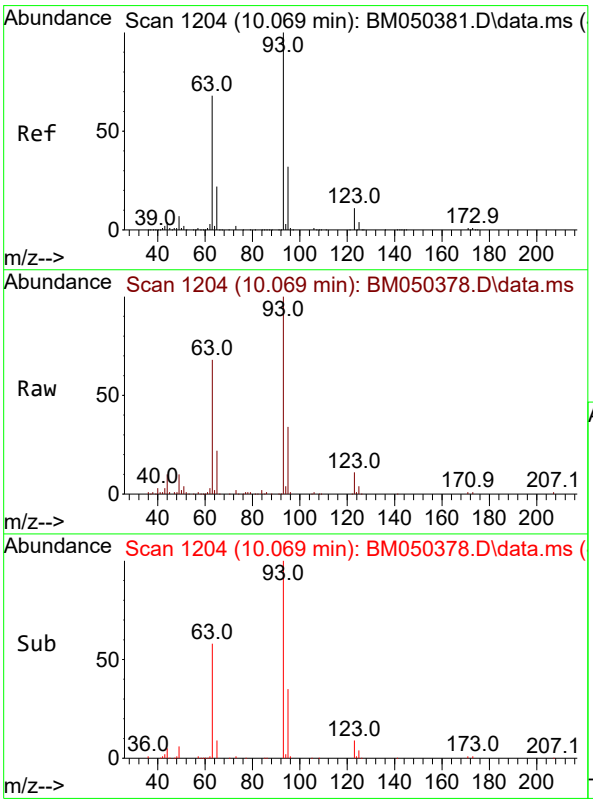

#27
2,4-Dimethylphenol
Concen: 4.858 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:122 Resp: 90013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 116.8 | 93.0 | 139.6 |
| 121 | 56.5 | 46.1 | 69.1 |

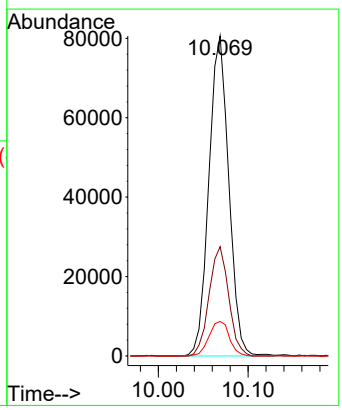


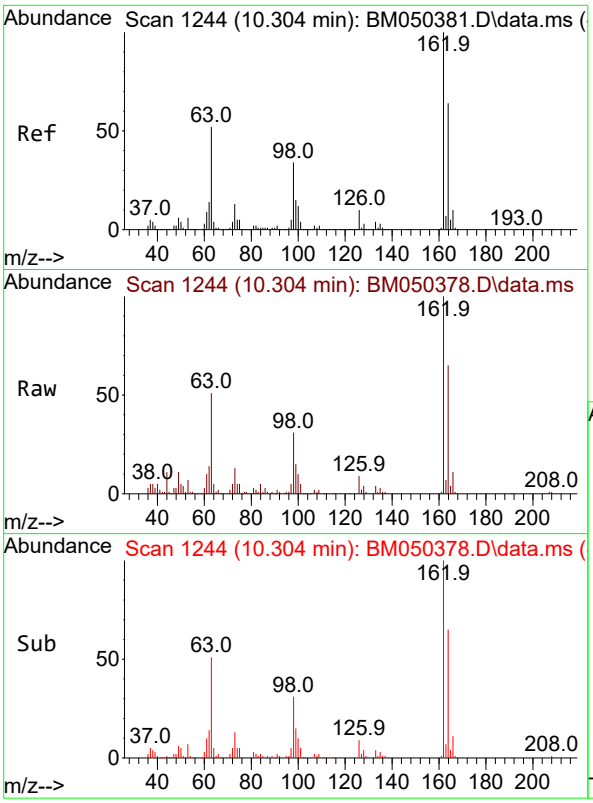




#28
bis(2-Chloroethoxy)methane
Concen: 4.822 ng
RT: 10.069 min Scan# 1204
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion: 93 Resp: 124150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 34.1 | 25.8 | 38.6 |
| 123 | 10.8 | 9.1 | 13.7 |



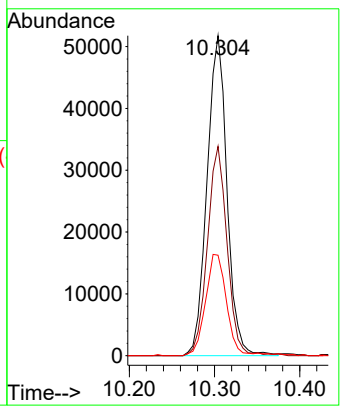


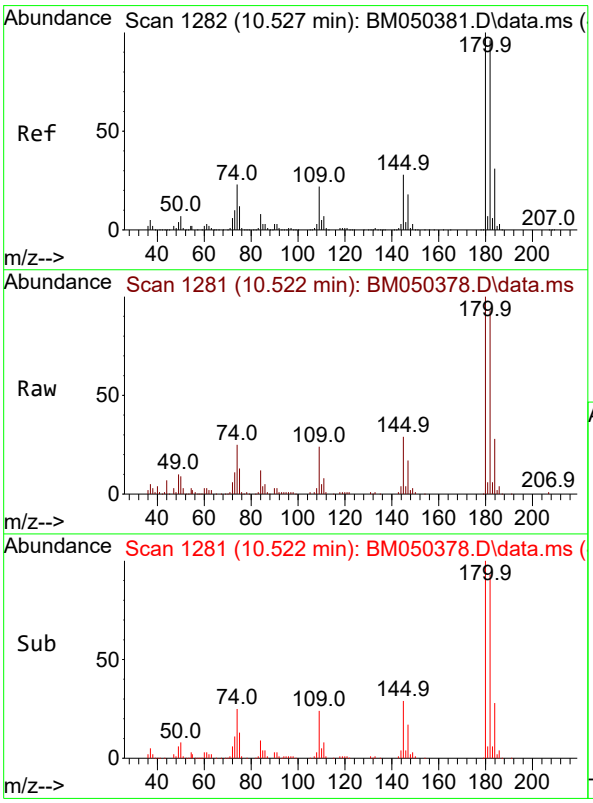

#29
2,4-Dichlorophenol
Concen: 4.438 ng
RT: 10.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:162 Resp: 84485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 65.4 | 43.7 | 83.7 |
| 98 | 31.4 | 13.7 | 53.7 |

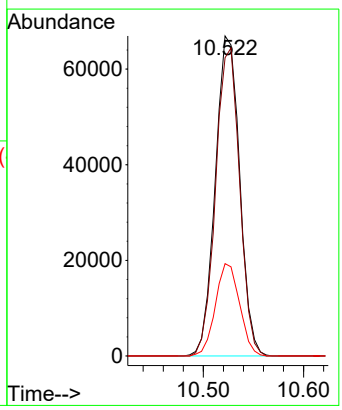


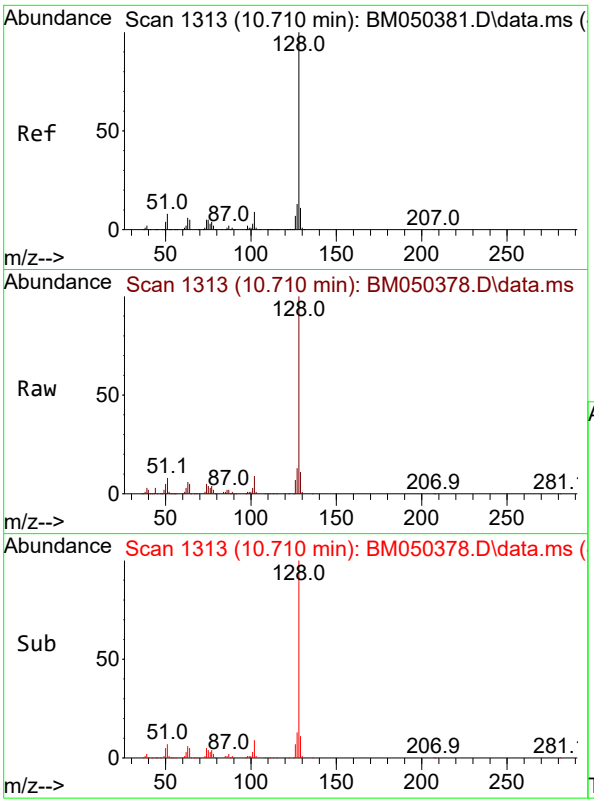




#30
1,2,4-Trichlorobenzene
Concen: 4.958 ng
RT: 10.522 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:180 Resp: 112916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.2 | 76.8 | 115.2 |
| 145 | 28.8 | 22.6 | 33.8 |



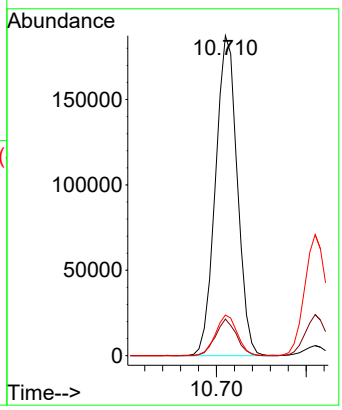


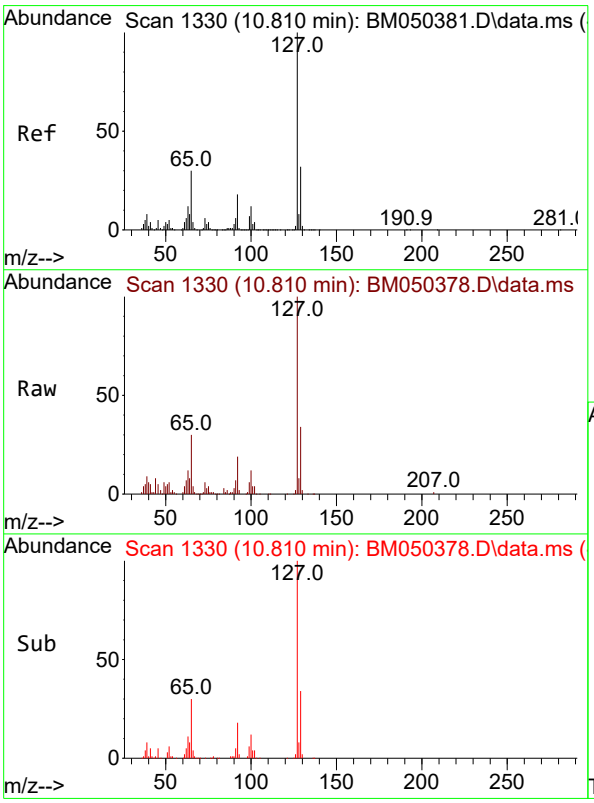

#31
Naphthalene
Concen: 5.086 ng
RT: 10.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:128 Resp: 315550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.5 | 8.8 | 13.2 |
| 127 | 12.7 | 10.4 | 15.6 |

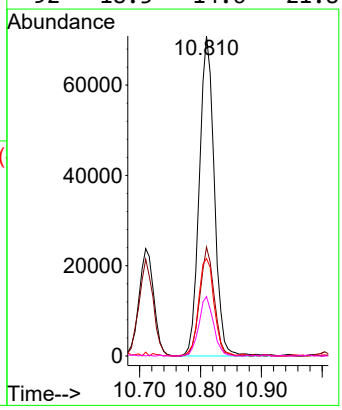


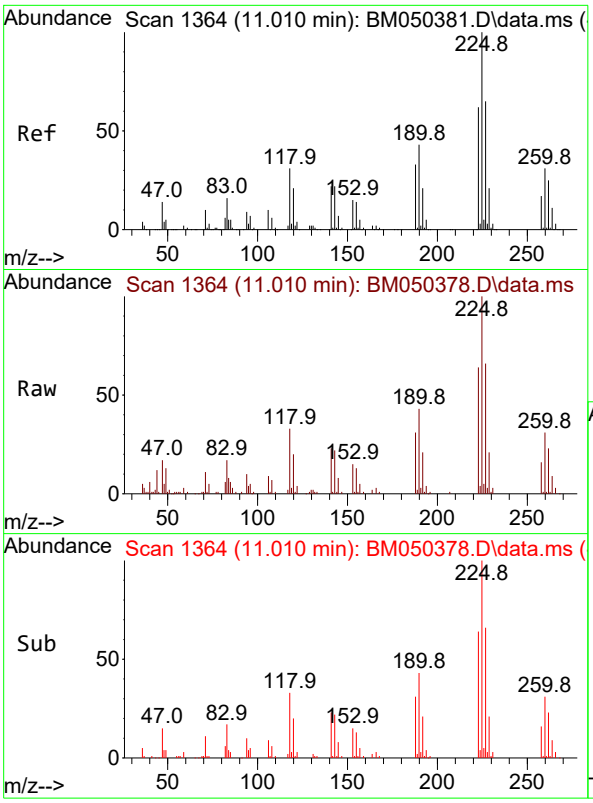




#33
4-Chloroaniline
Concen: 4.635 ng
RT: 10.810 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:127 Resp: 121575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 34.0 | 25.5 | 38.3 |
| 65 | 30.4 | 23.9 | 35.9 |
| 92 | 18.5 | 14.6 | 21.8 |



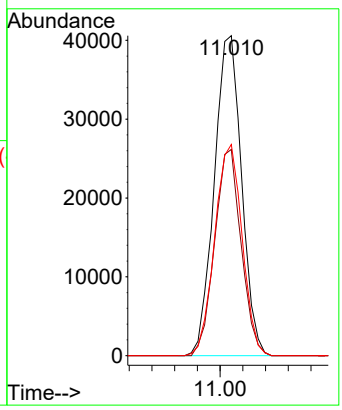


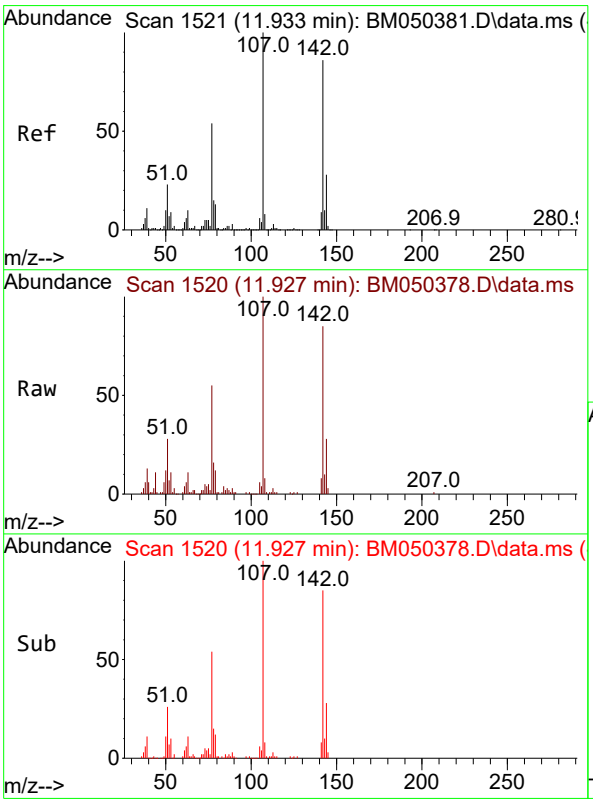

#34
Hexachlorobutadiene
Concen: 4.870 ng
RT: 11.010 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:225 Resp: 67689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.5 | 49.7 | 74.5 |
| 227 | 66.0 | 52.1 | 78.1 |

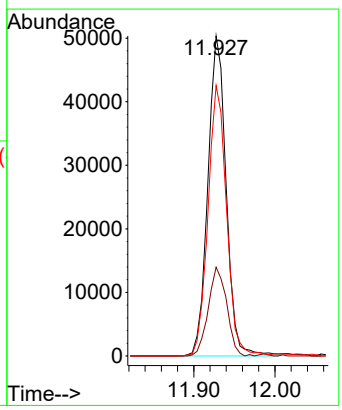


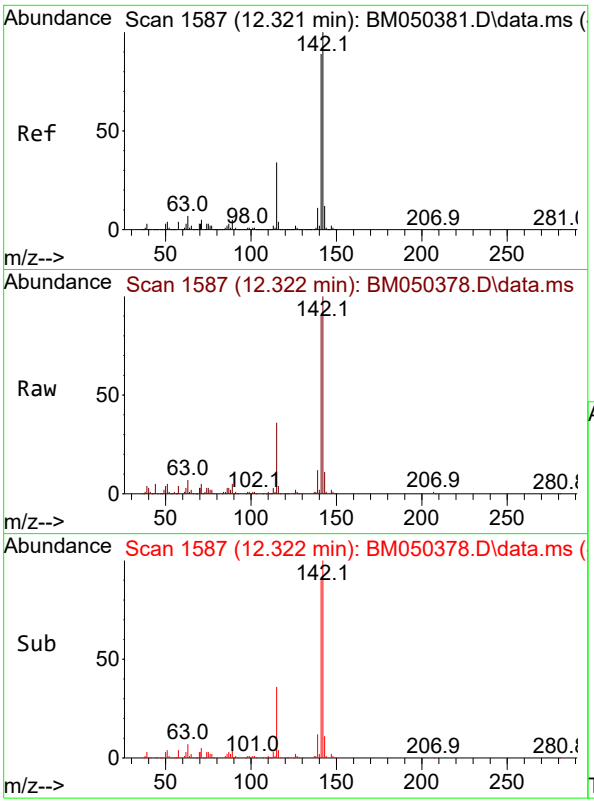




#36
4-Chloro-3-methylphenol
Concen: 4.428 ng
RT: 11.927 min Scan# 1520
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:107 Resp: 78716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 27.7 | 22.2 | 33.4 |
| 142 | 84.5 | 68.7 | 103.1 |



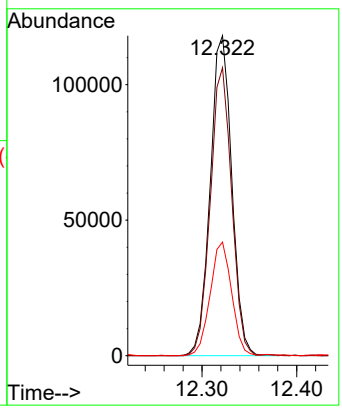


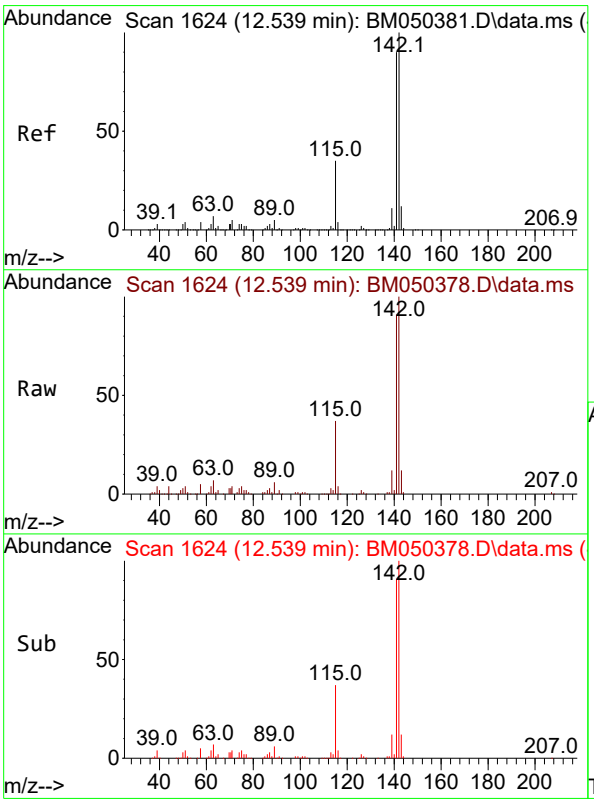

#37
2-Methylnaphthalene
Concen: 4.760 ng
RT: 12.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:142 Resp: 186482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.0 | 70.8 | 106.2 |
| 115 | 35.5 | 27.0 | 40.4 |

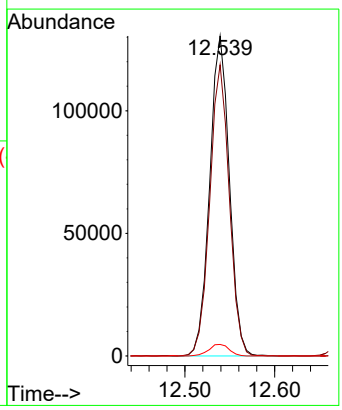


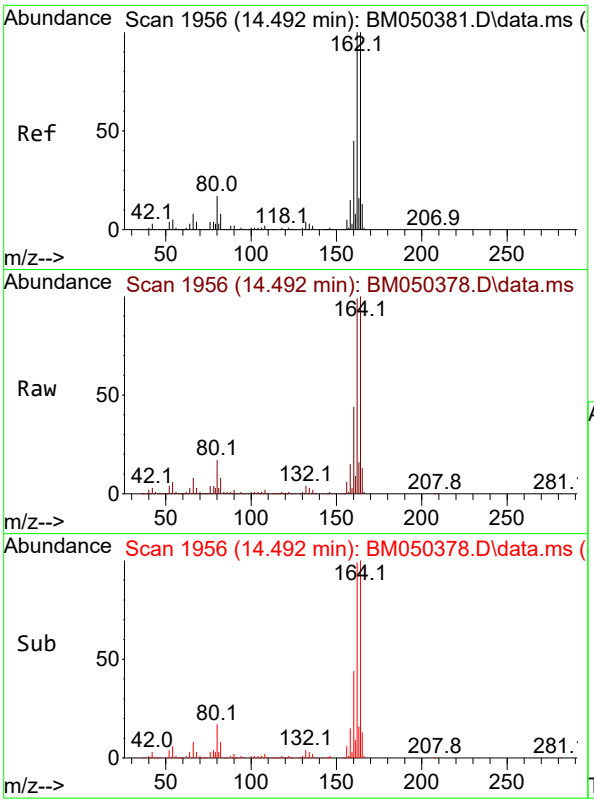




#38
1-Methylnaphthalene
Concen: 4.796 ng
RT: 12.539 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:142 Resp: 198866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.0 | 71.9 | 107.9 |
| 116 | 3.6 | 3.0 | 4.6 |



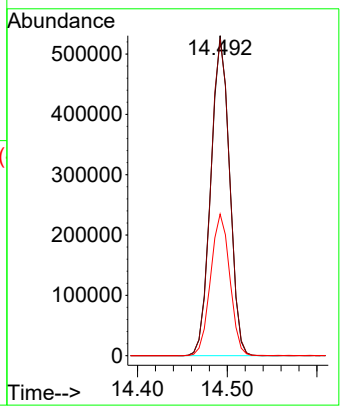


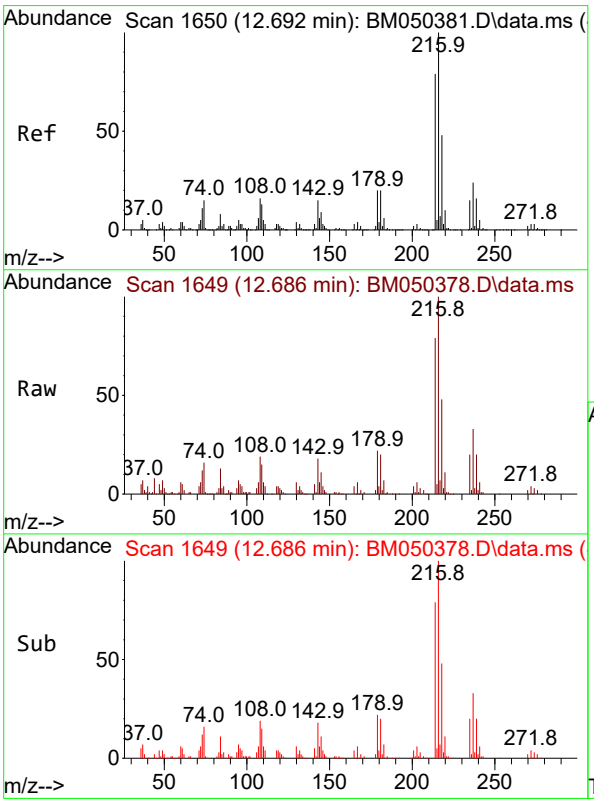

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:164 Resp: 768894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.7 | 79.9 | 119.9 |
| 160 | 44.3 | 36.2 | 54.4 |

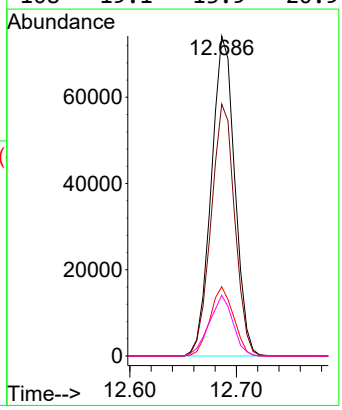


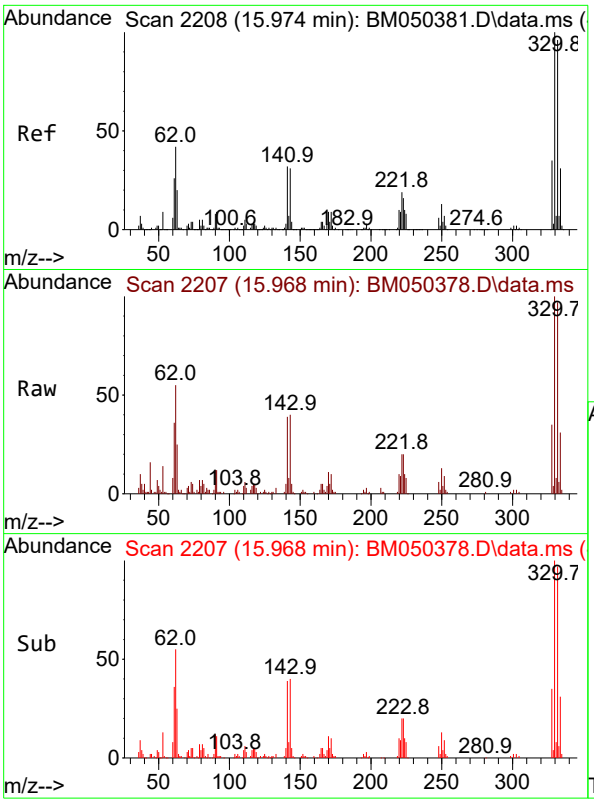




#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.642 ng
RT: 12.686 min Scan# 1649
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:216 Resp: 113496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.3 | 63.3 | 94.9 |
| 179 | 21.7 | 16.4 | 24.6 |
| 108 | 19.1 | 13.9 | 20.9 |



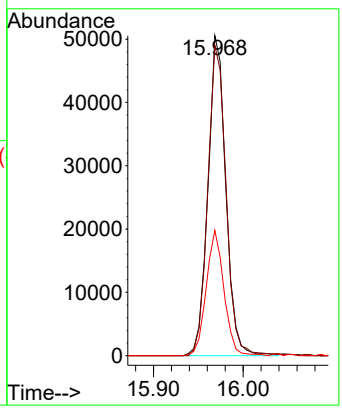


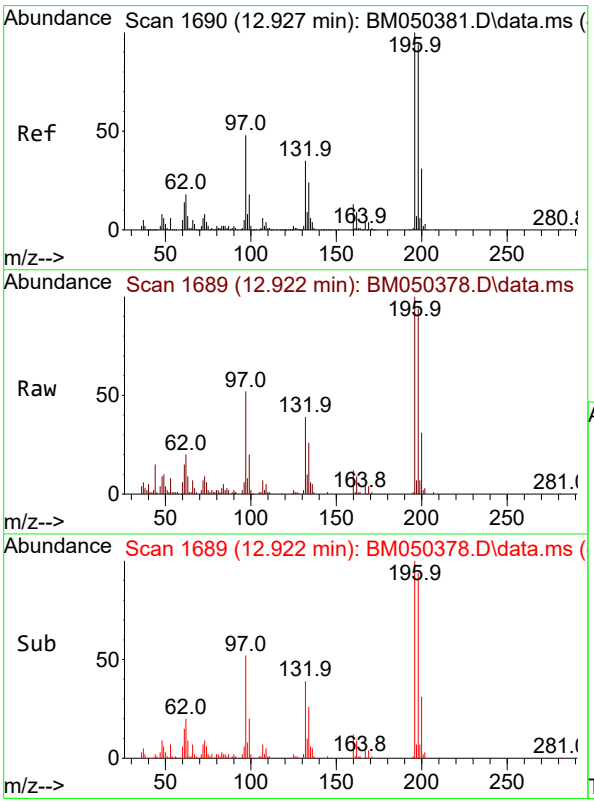

#42
2,4,6-Tribromophenol
Concen: 7.485 ng
RT: 15.968 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:330 Resp: 69925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 99.4 | 76.9 | 115.3 |
| 141 | 38.9 | 27.4 | 41.0 |

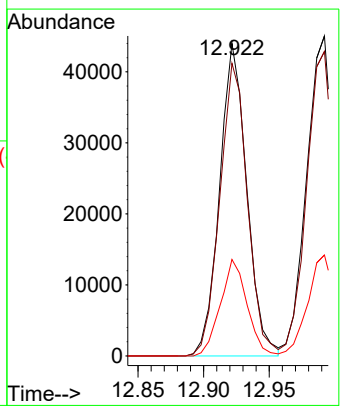


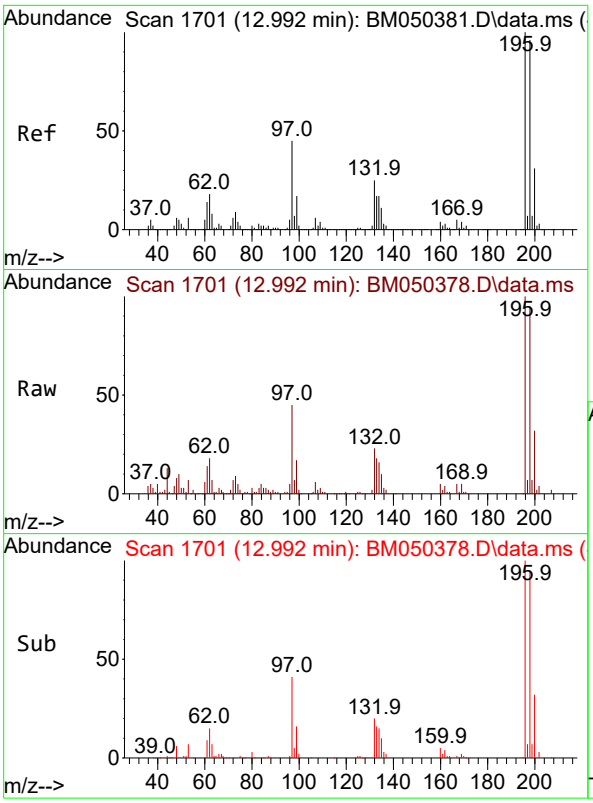




#43
2,4,6-Trichlorophenol
Concen: 4.221 ng
RT: 12.922 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:196 Resp: 63524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 93.6 | 75.1 | 112.7 |
| 200 | 30.8 | 24.6 | 37.0 |



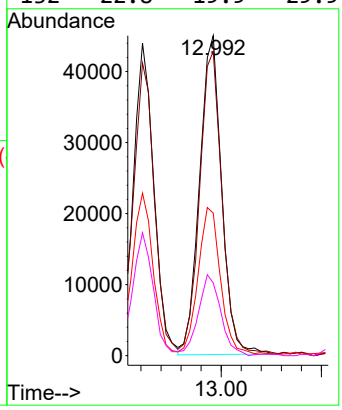


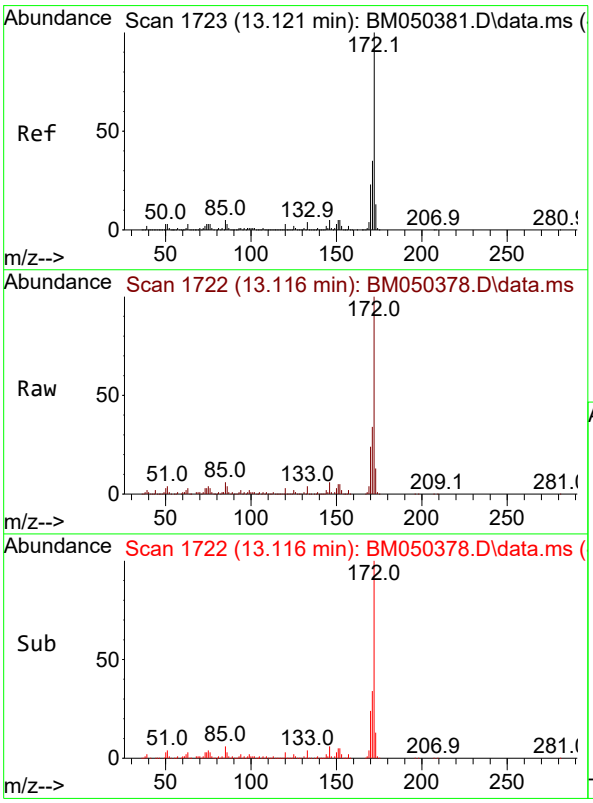

#44
2,4,5-Trichlorophenol
Concen: 4.195 ng
RT: 12.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:196 Resp: 68958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.2 | 77.2 | 115.8 |
| 97 | 44.6 | 36.2 | 54.4 |
| 132 | 22.8 | 19.9 | 29.9 |

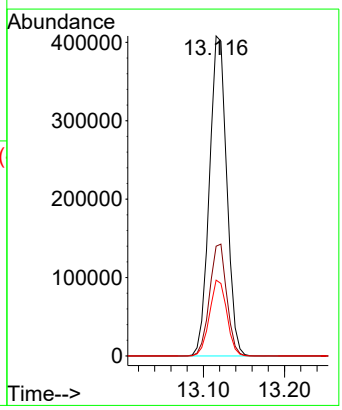


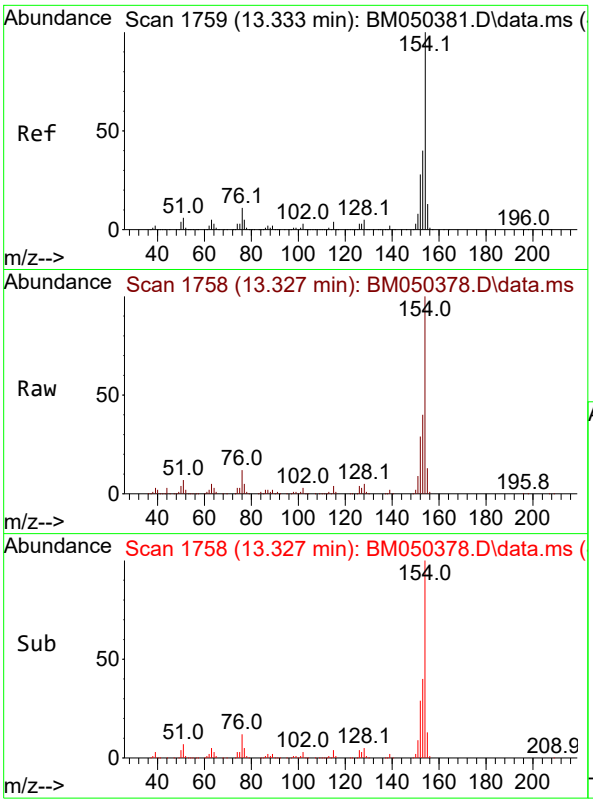




#45
2-Fluorobiphenyl
Concen: 9.705 ng
RT: 13.116 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:172 Resp: 604282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.3 | 27.7 | 41.5 |
| 170 | 23.7 | 18.8 | 28.2 |



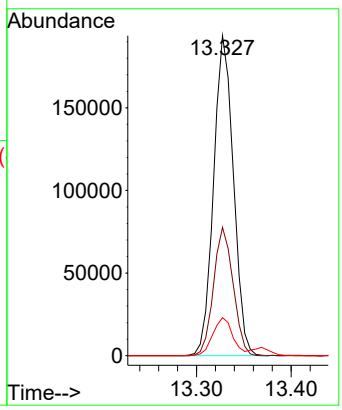


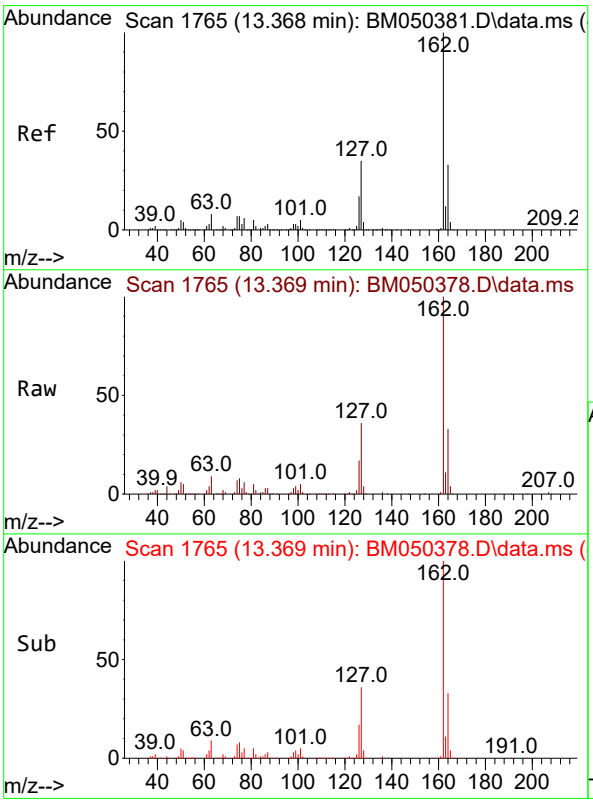

#46
1,1'-Biphenyl
Concen: 4.934 ng
RT: 13.327 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:154 Resp: 281496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.1 | 19.7 | 59.7 |
| 76 | 11.9 | 0.0 | 30.9 |

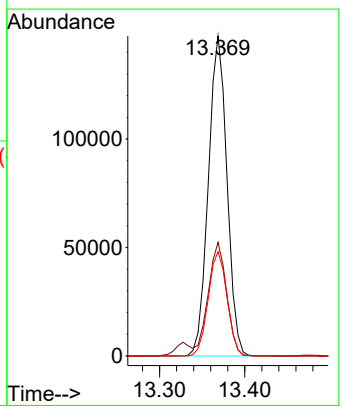


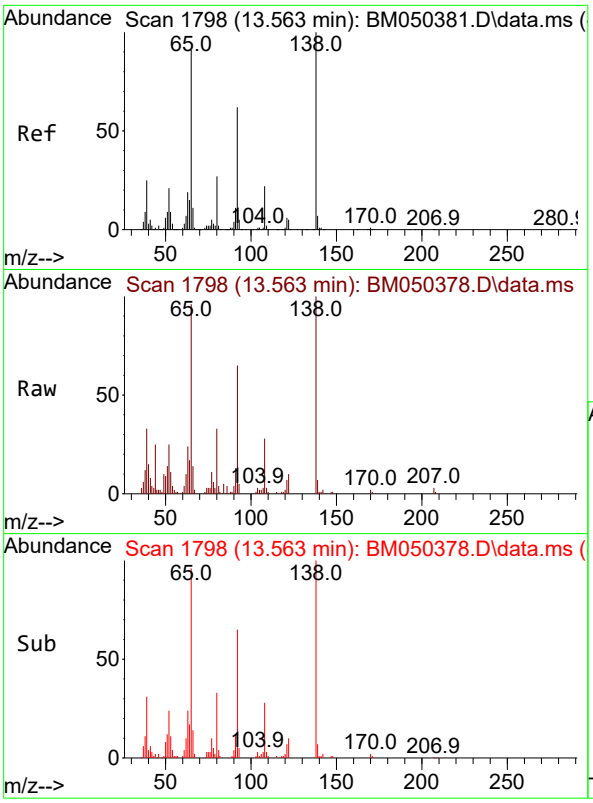




#47
2-Chloronaphthalene
Concen: 4.918 ng
RT: 13.369 min Scan# 1765
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:162 Resp: 223672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 35.5 | 28.3 | 42.5 |
| 164 | 32.6 | 26.6 | 40.0 |



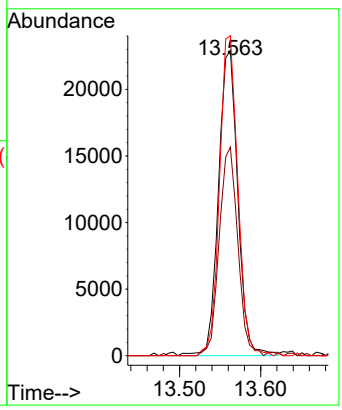


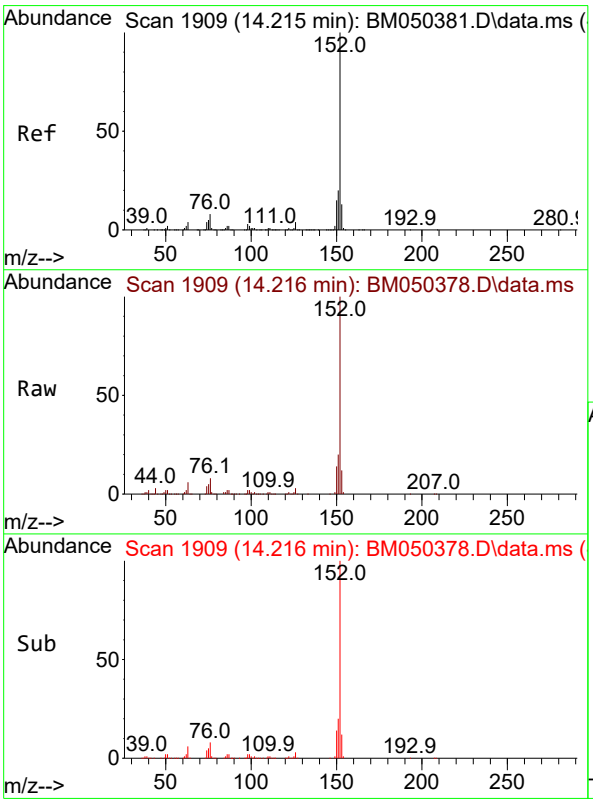

#48
2-Nitroaniline
Concen: 3.738 ng
RT: 13.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion: 65 Resp: 37953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 68.3 | 54.3 | 81.5 |
| 138 | 104.7 | 87.8 | 131.6 |

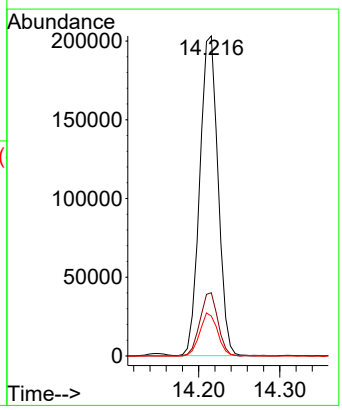


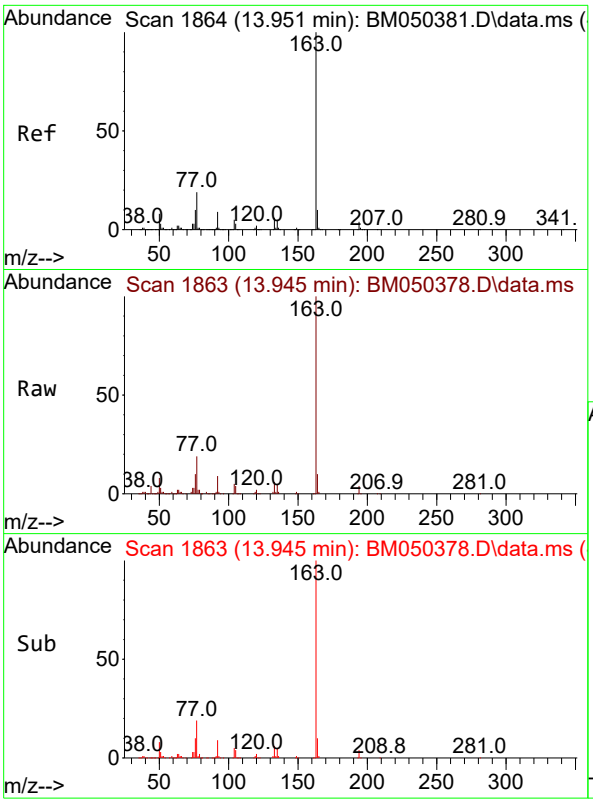




#49
Acenaphthylene
Concen: 4.601 ng
RT: 14.216 min Scan# 1909
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:152 Resp: 316292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.7 | 16.3 | 24.5 |
| 153 | 12.4 | 10.6 | 15.8 |



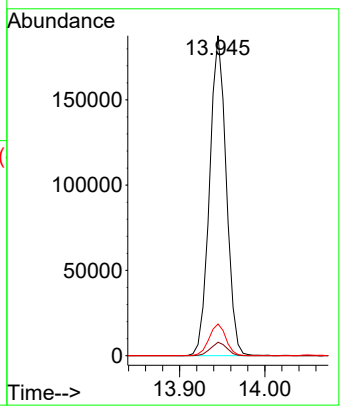


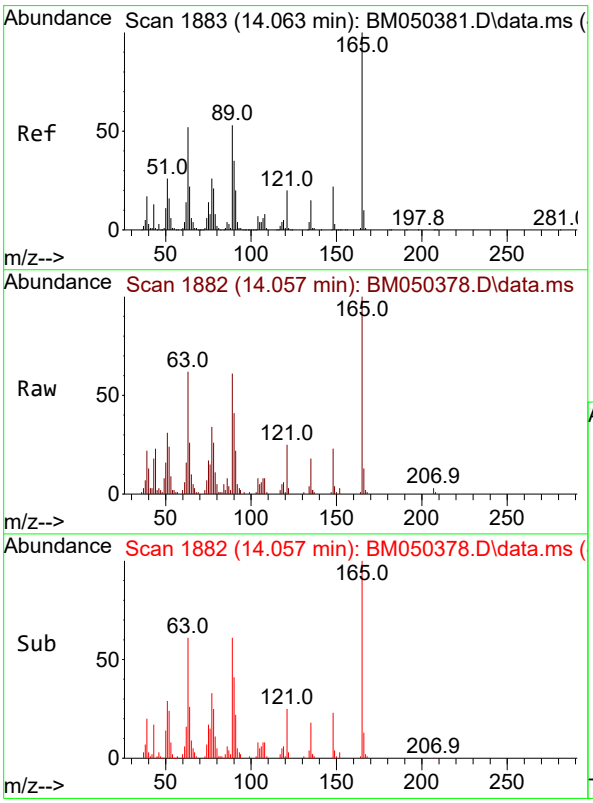

#50
Dimethylphthalate
Concen: 4.805 ng
RT: 13.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:163 Resp: 254362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.4 | 5.2 |
| 164 | 9.9 | 8.2 | 12.2 |

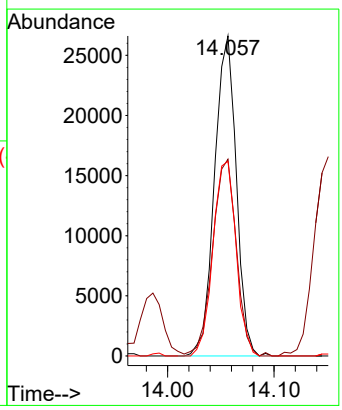


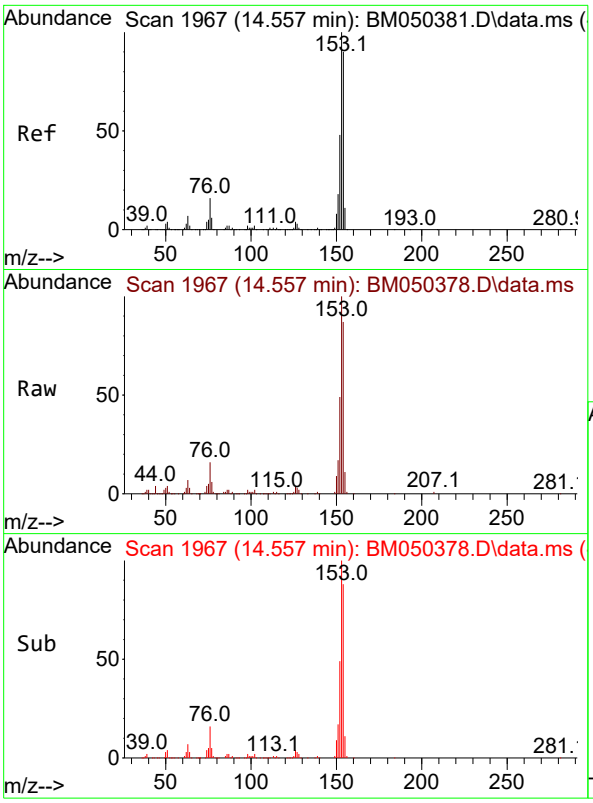




#51
2,6-Dinitrotoluene
Concen: 3.710 ng
RT: 14.057 min Scan# 1882
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:165 Resp: 37711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 61.5 | 42.4 | 63.6 |
| 89 | 60.8 | 42.2 | 63.2 |



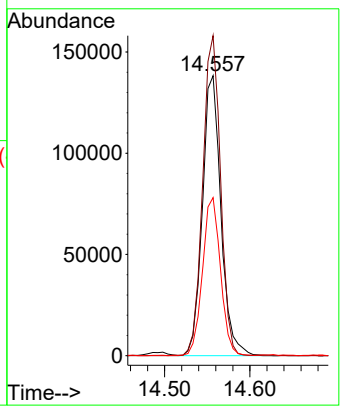


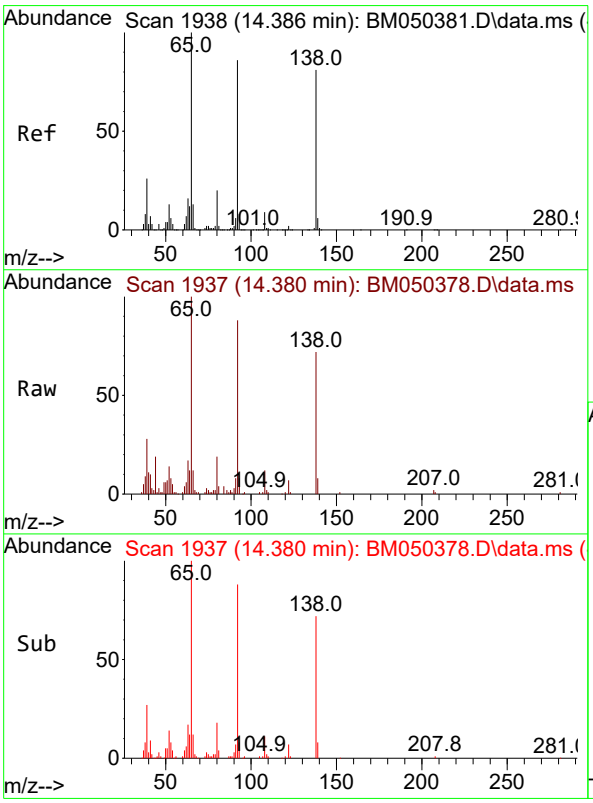

#52
Acenaphthene
Concen: 4.779 ng
RT: 14.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:154 Resp: 208840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 114.3 | 89.2 | 133.8 |
| 152 | 56.4 | 42.6 | 64.0 |

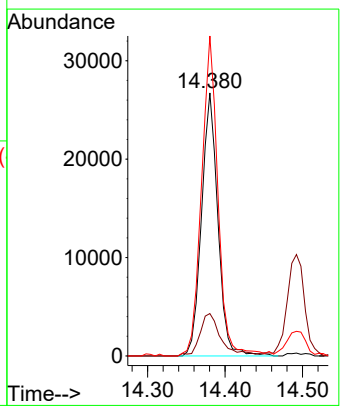


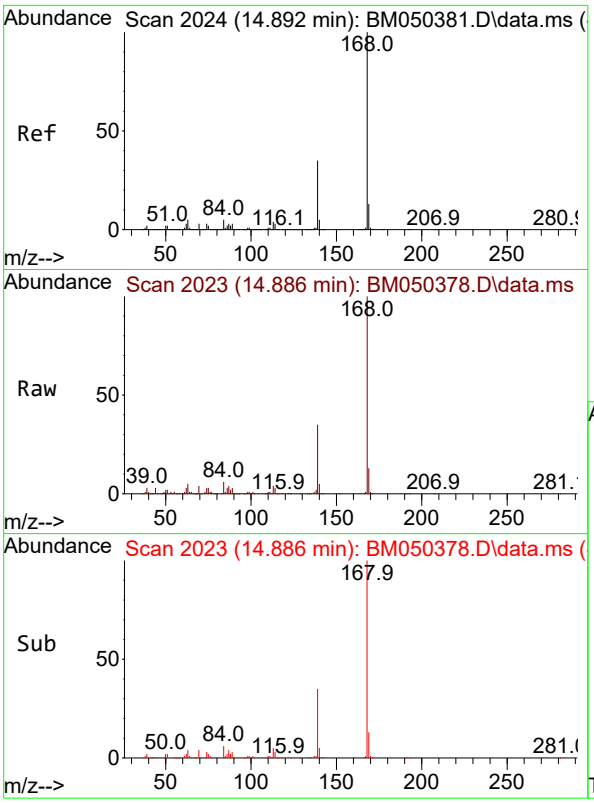




#53
3-Nitroaniline
Concen: 3.628 ng
RT: 14.380 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:138 Resp: 39220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 16.1 | 8.8 | 13.2# |
| 92 | 121.7 | 85.0 | 127.6 |



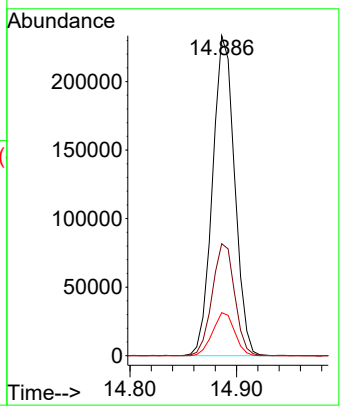


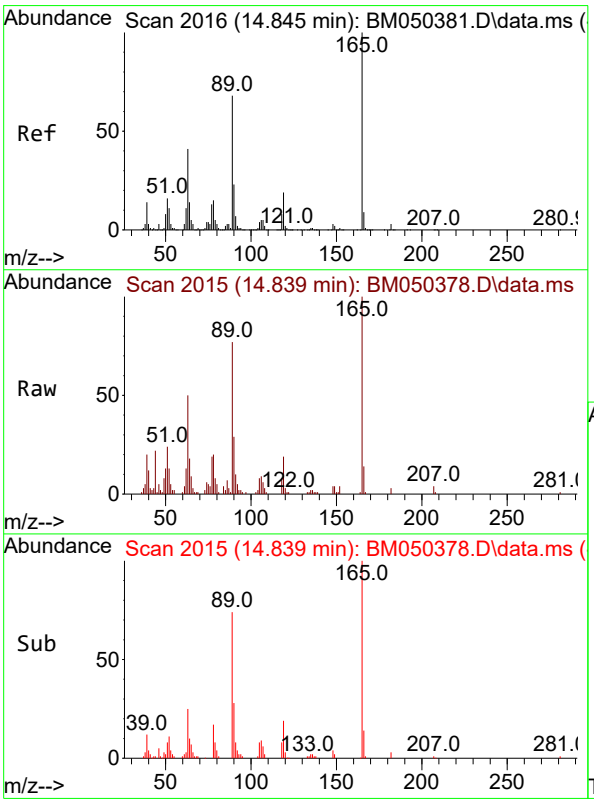

#55
Dibenzofuran
Concen: 4.988 ng
RT: 14.886 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:168 Resp: 335867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 35.0 | 27.7 | 41.5 |
| 169 | 13.4 | 10.7 | 16.1 |

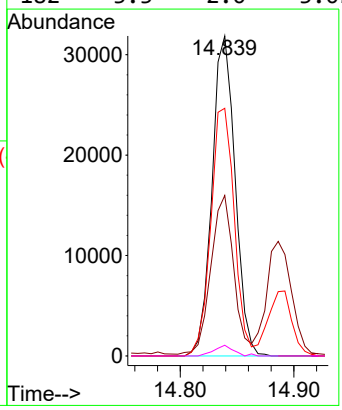


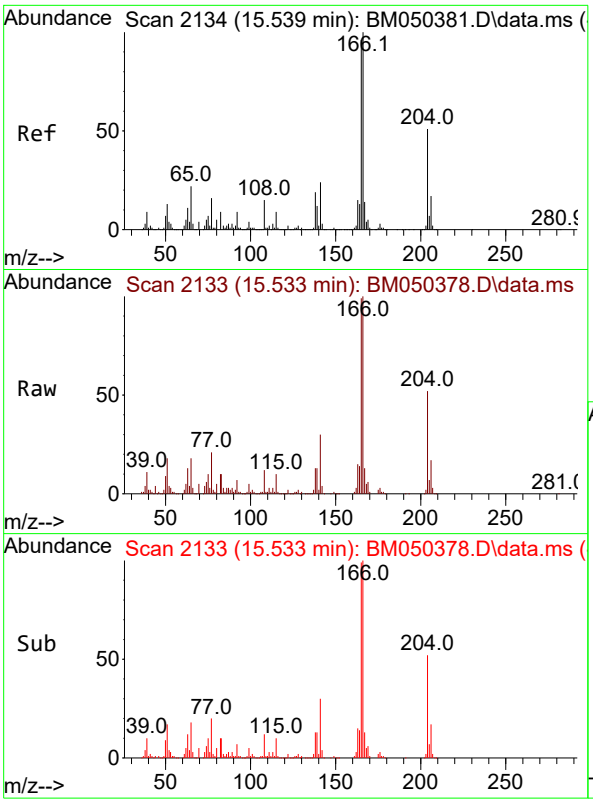




#57
2,4-Dinitrotoluene
Concen: 5.513 ng
RT: 14.839 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:165 Resp: 44983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 50.1 | 32.5 | 48.7# |
| 89 | 77.4 | 54.0 | 81.0 |
| 182 | 3.3 | 2.0 | 3.0# |



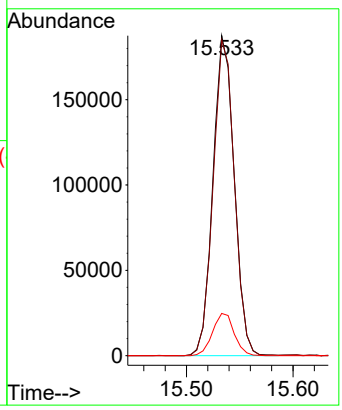


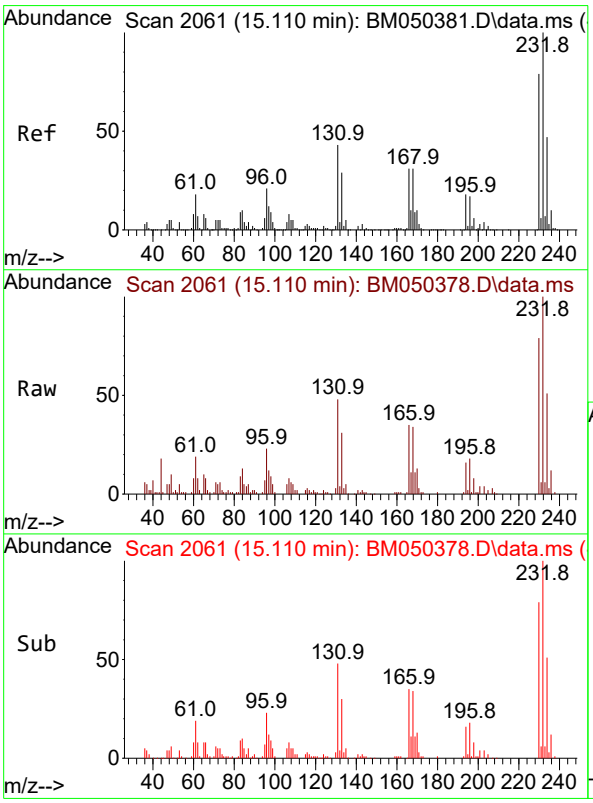

#58
Fluorene
Concen: 4.671 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:166 Resp: 259083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.7 | 77.0 | 115.6 |
| 167 | 13.2 | 10.9 | 16.3 |

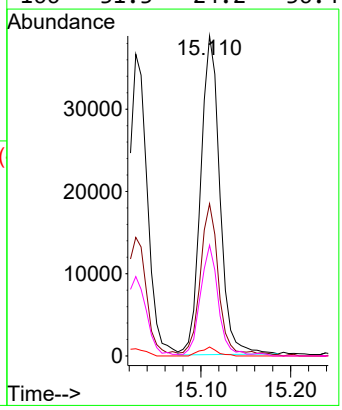


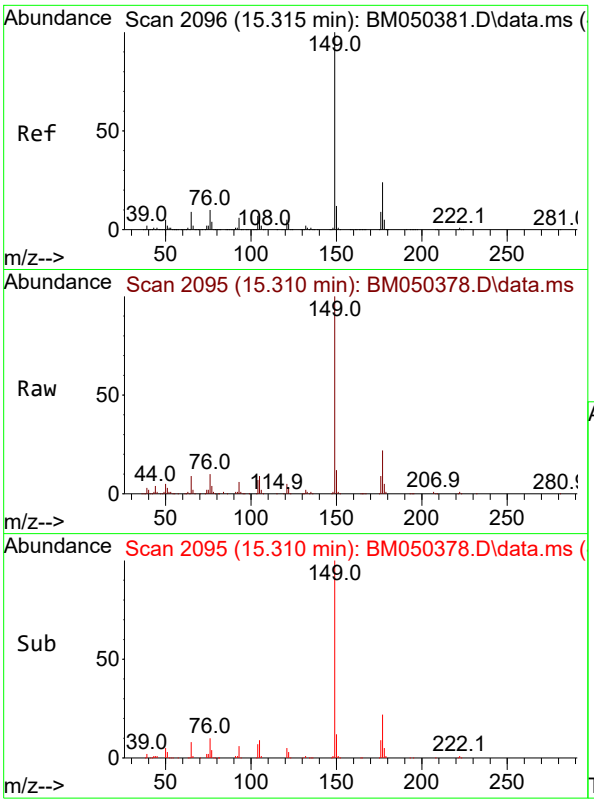




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.158 ng
RT: 15.110 min Scan# 2061
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:232 Resp: 57532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.5 | 33.4 | 50.0 |
| 130 | 2.5 | 1.8 | 2.6 |
| 166 | 31.3 | 24.2 | 36.4 |



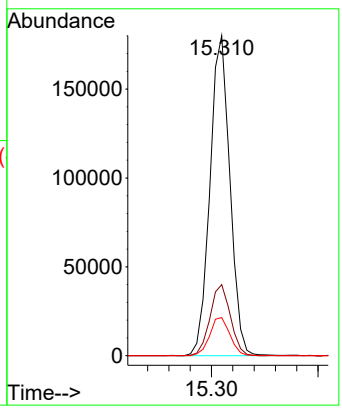


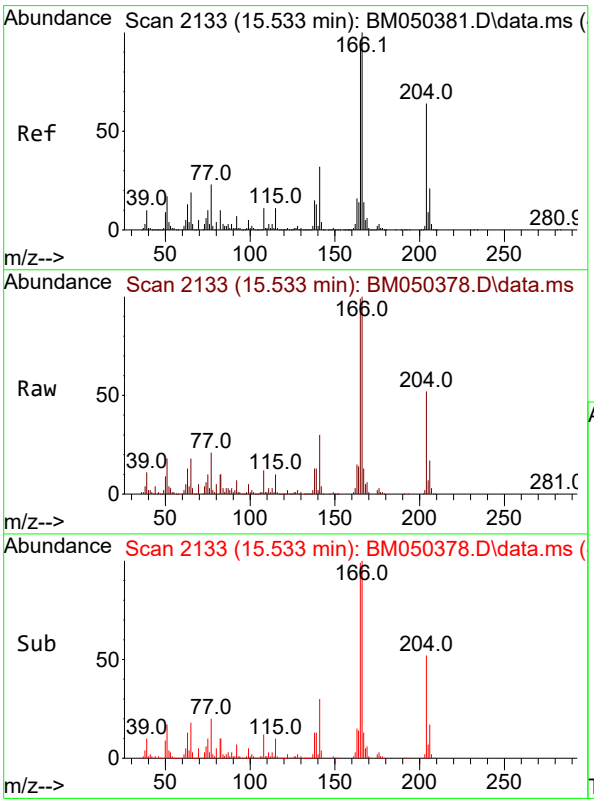

#60
Diethylphthalate
Concen: 4.625 ng
RT: 15.310 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:149 Resp: 233863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.2 | 18.8 | 28.2 |
| 150 | 11.9 | 9.8 | 14.8 |

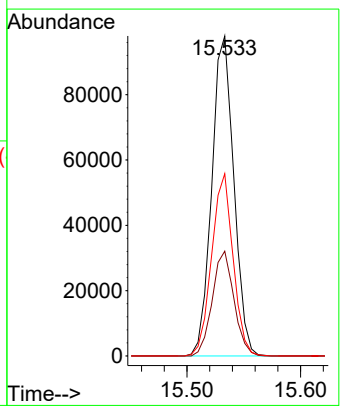


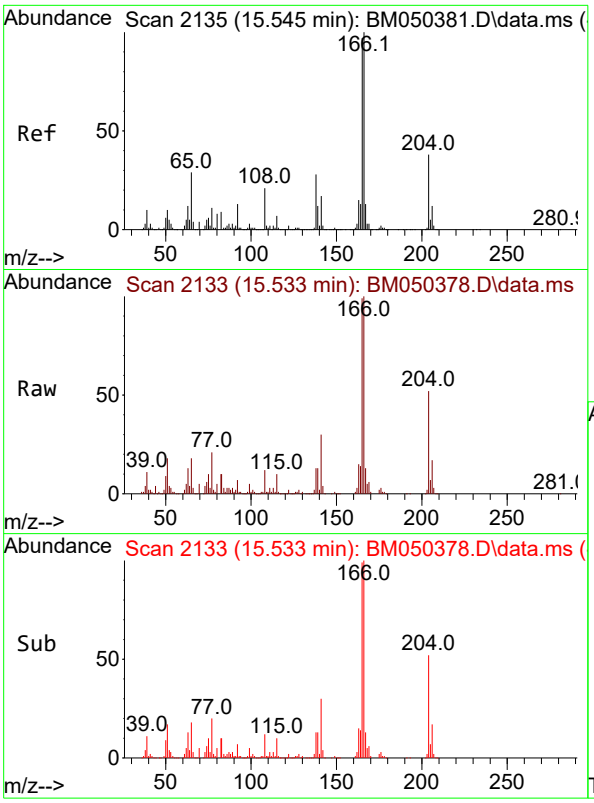




#61
4-Chlorophenyl-phenylether
Concen: 4.557 ng
RT: 15.533 min Scan# 2133
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:204 Resp: 132153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.7 | 26.6 | 39.8 |
| 141 | 57.0 | 39.9 | 59.9 |



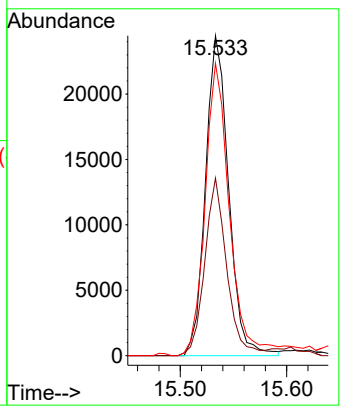


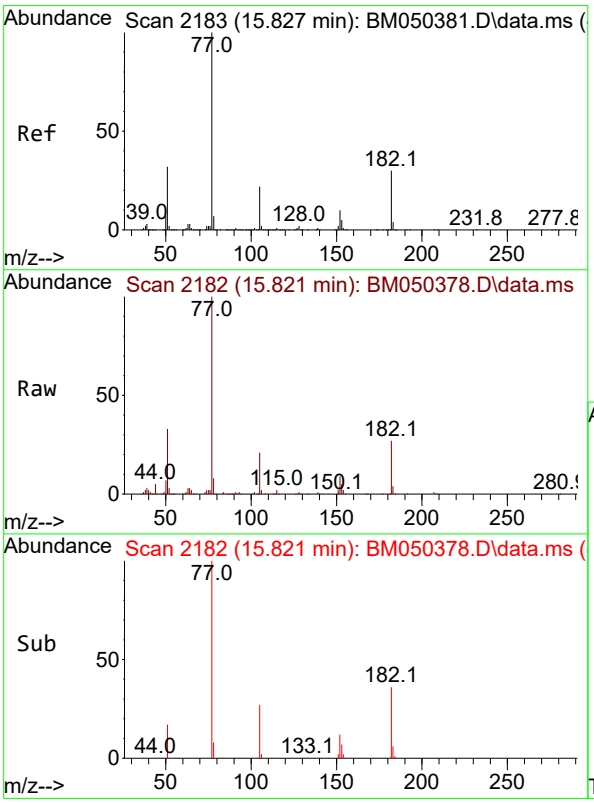

#62
4-Nitroaniline
Concen: 5.398 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:138 Resp: 36922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 55.5 | 24.5 | 64.5 |
| 108 | 91.3 | 52.5 | 92.5 |

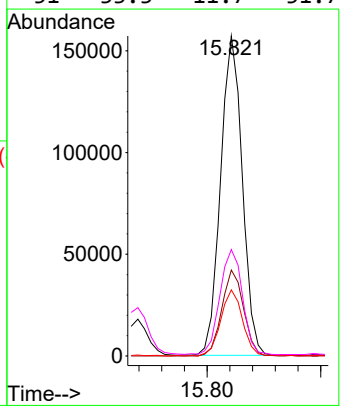


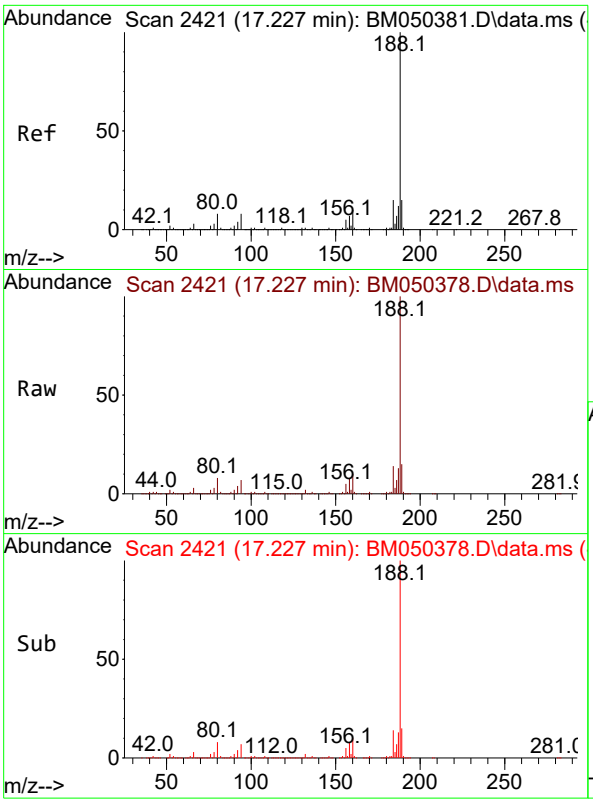




#63
Azobenzene
Concen: 4.490 ng
RT: 15.821 min Scan# 2182
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion: 77 Resp: 208493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.8 | 10.0 | 50.0 |
| 105 | 20.6 | 2.0 | 42.0 |
| 51 | 33.3 | 11.7 | 51.7 |



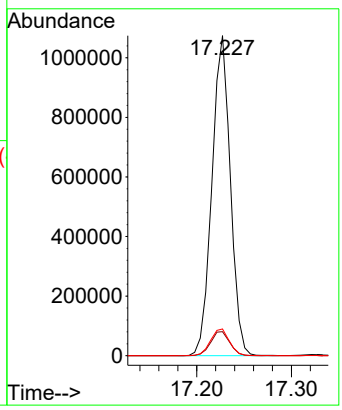


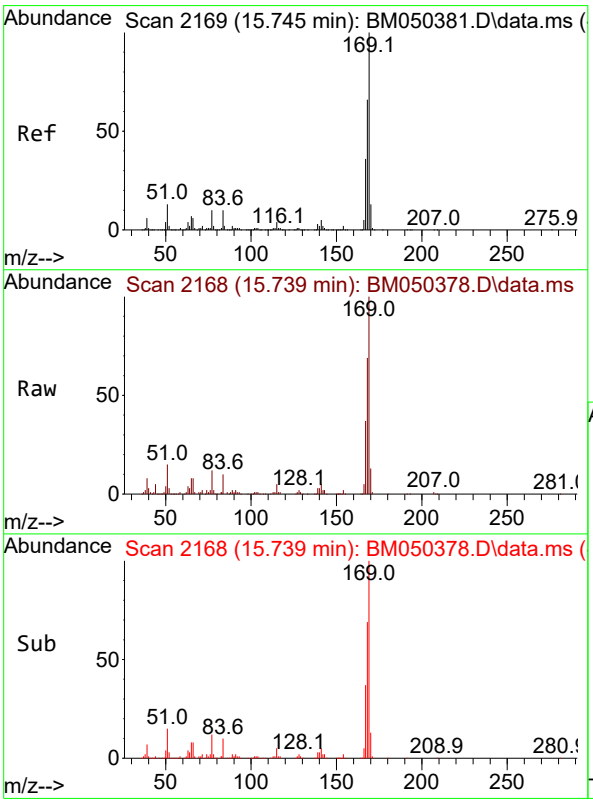

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:188 Resp: 1453955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.5 | 6.0 | 9.0 |
| 80 | 8.3 | 6.5 | 9.7 |

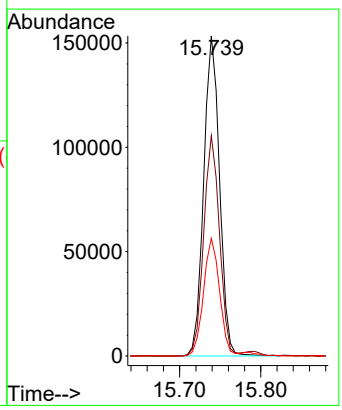


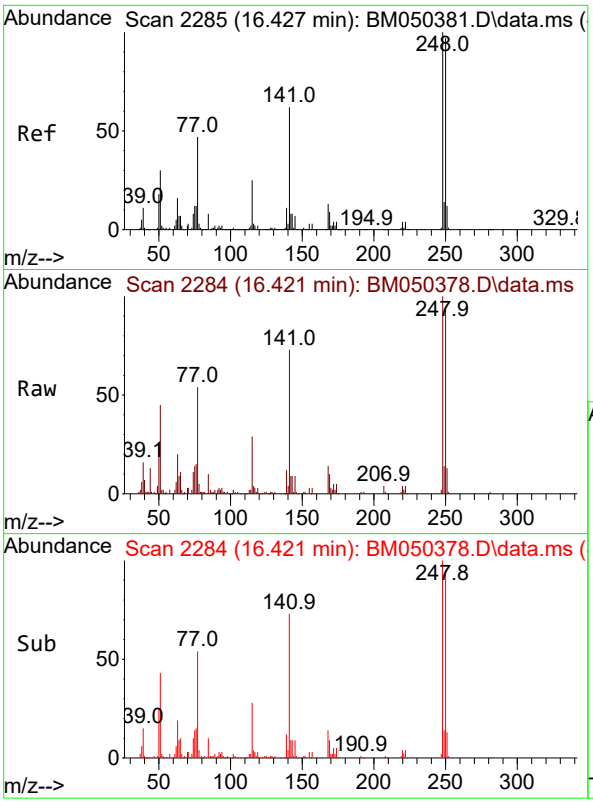




#66
n-Nitrosodiphenylamine
Concen: 4.566 ng
RT: 15.739 min Scan# 2168
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:169 Resp: 207747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 68.9 | 53.2 | 79.8 |
| 167 | 36.8 | 28.7 | 43.1 |



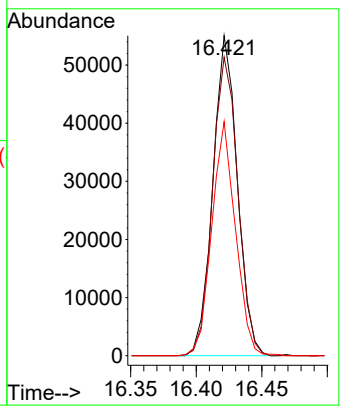


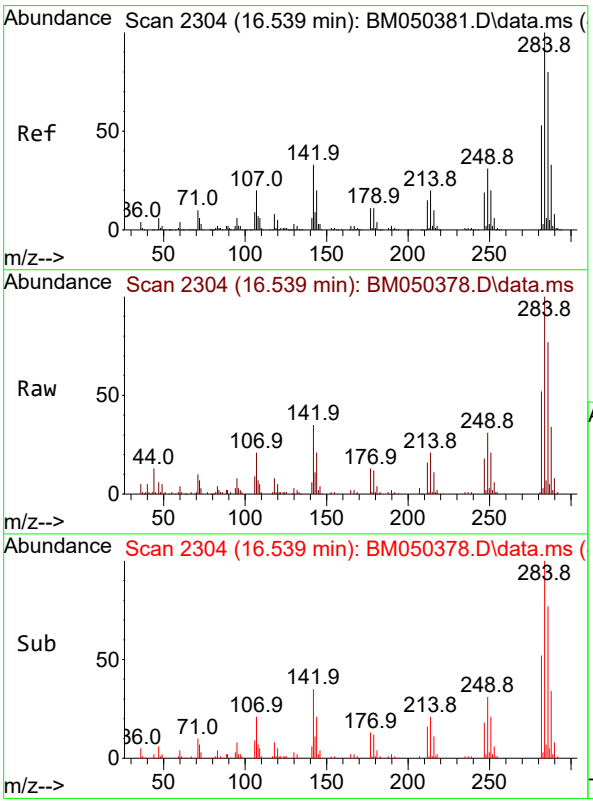

#67
4-Bromophenyl-phenylether
Concen: 4.450 ng
RT: 16.421 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:248 Resp: 71279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 93.3 | 77.9 | 116.9 |
| 141 | 73.2 | 49.7 | 74.5 |

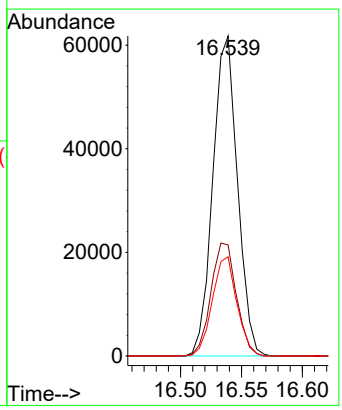


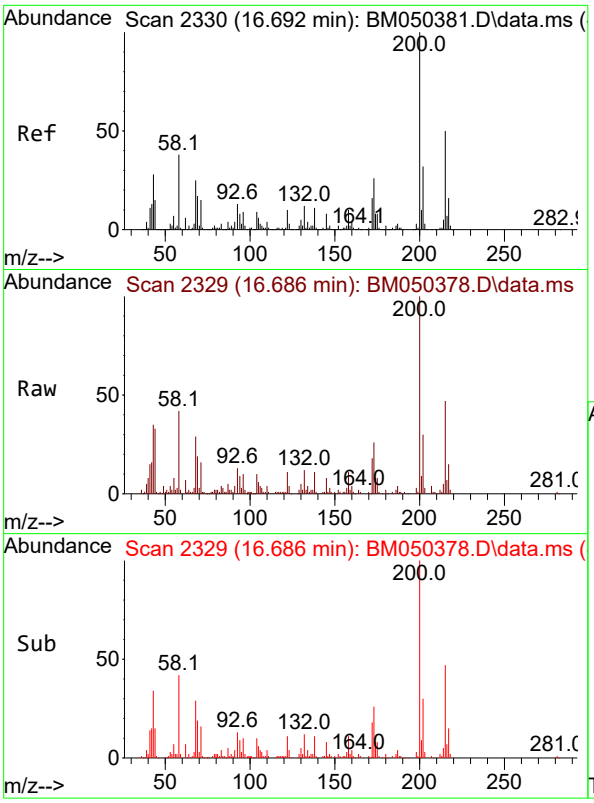




#68
Hexachlorobenzene
Concen: 4.587 ng
RT: 16.539 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:284 Resp: 86781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.7 | 26.8 | 40.2 |
| 249 | 31.0 | 24.5 | 36.7 |



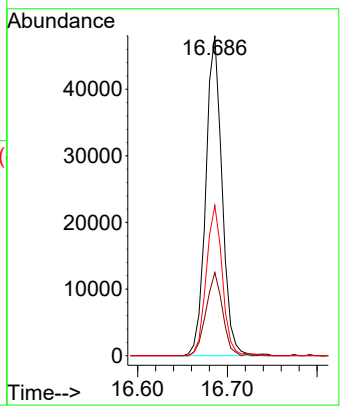


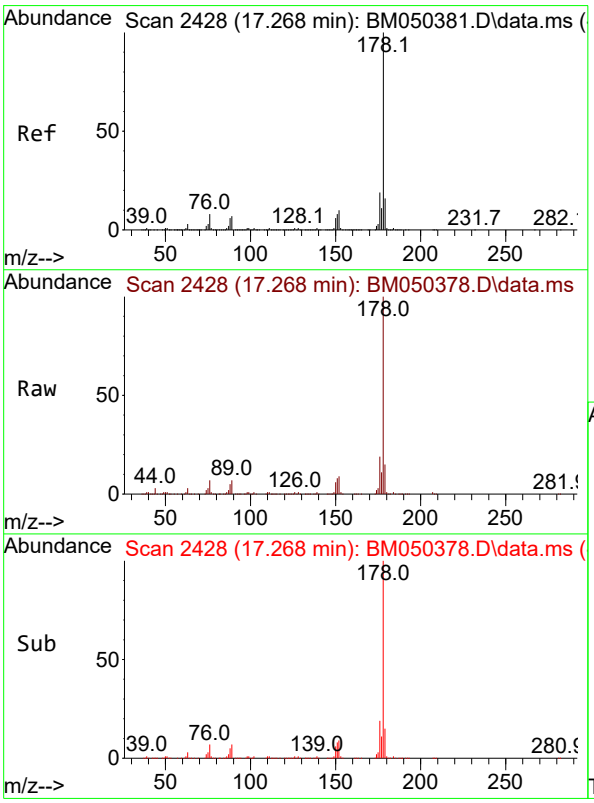

#69
Atrazine
Concen: 4.046 ng
RT: 16.686 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:200 Resp: 60444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.0 | 5.6 | 45.6 |
| 215 | 47.0 | 29.6 | 69.6 |

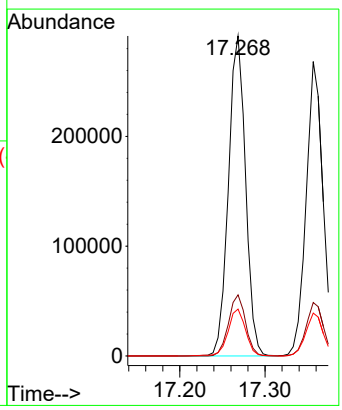


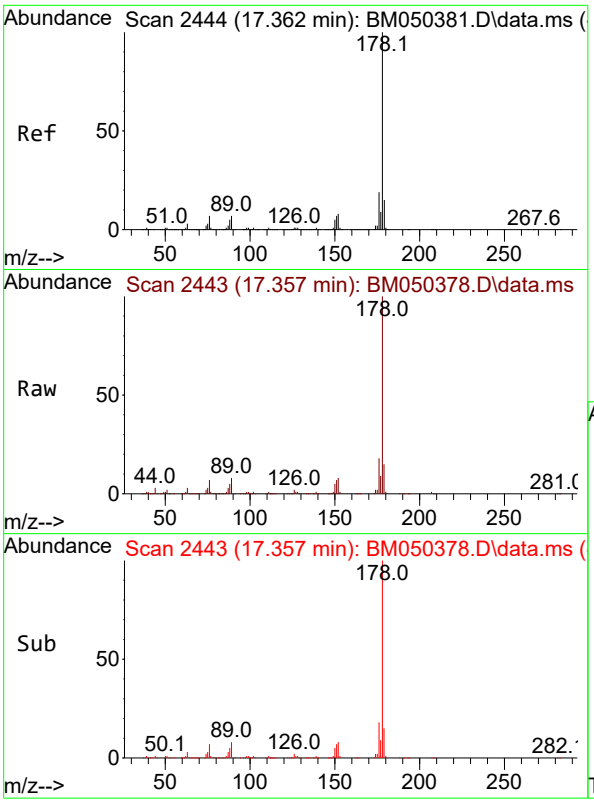




#71
Phenanthrene
Concen: 4.943 ng
RT: 17.268 min Scan# 2428
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:178 Resp: 406647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 15.4 | 23.0 |
| 179 | 14.7 | 12.5 | 18.7 |



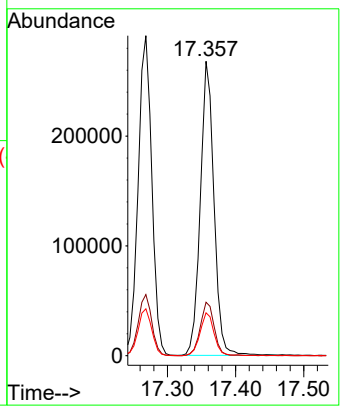


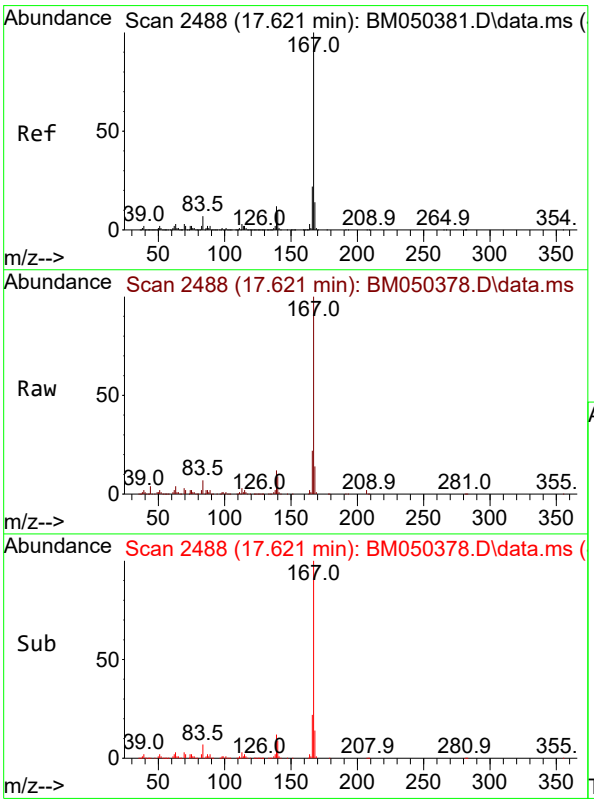

#72
Anthracene
Concen: 4.563 ng
RT: 17.357 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:178 Resp: 373674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.2 | 14.9 | 22.3 |
| 179 | 14.6 | 12.2 | 18.4 |

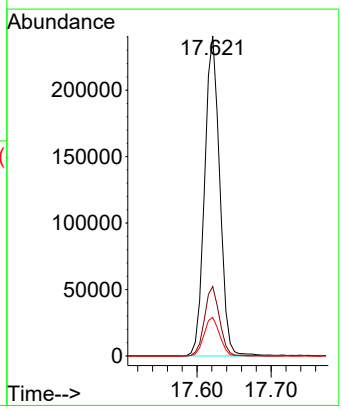


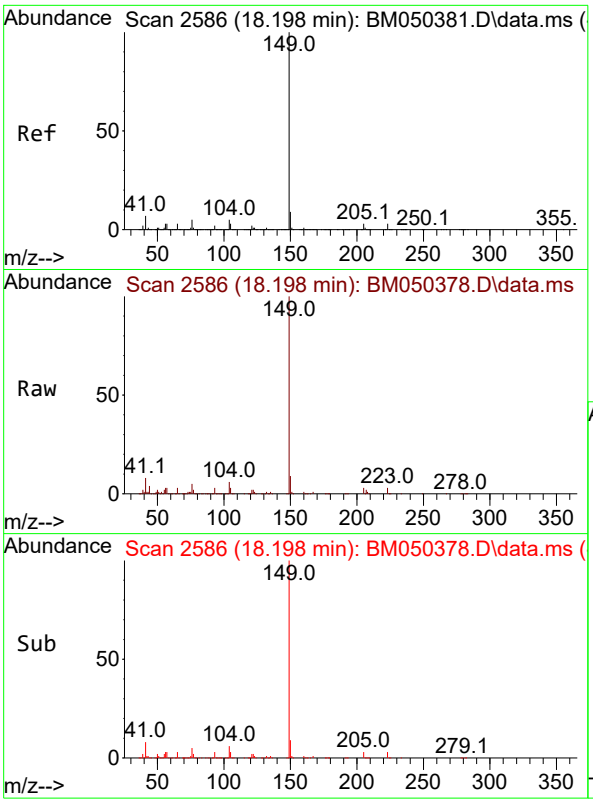




#73
Carbazole
Concen: 4.605 ng
RT: 17.621 min Scan# 2488
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:167 Resp: 341196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.7 | 17.2 | 25.8 |
| 139 | 12.1 | 9.9 | 14.9 |



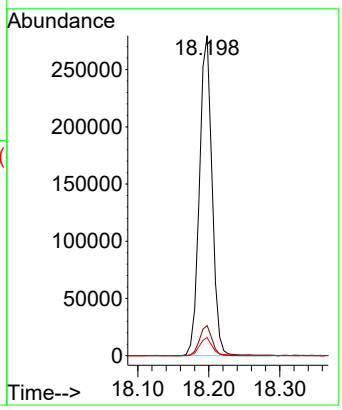


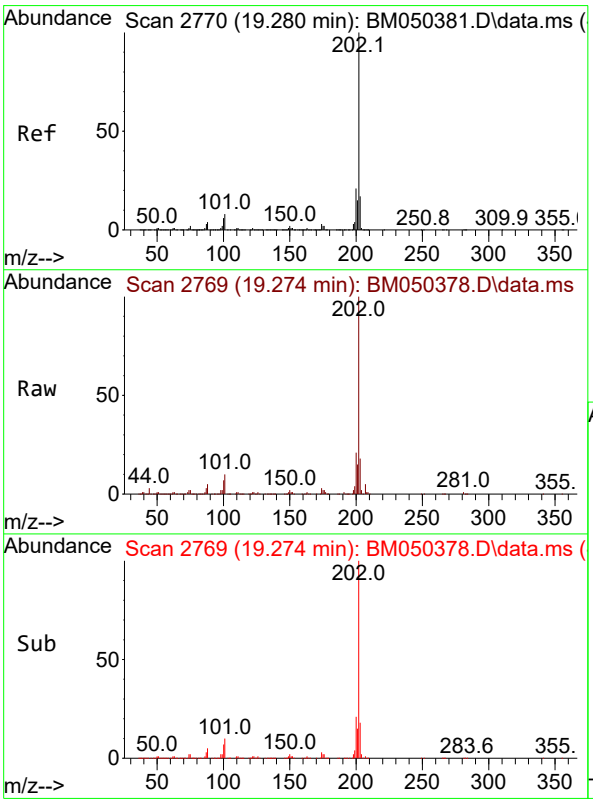

#74
Di-n-butylphthalate
Concen: 4.274 ng
RT: 18.198 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:149 Resp: 346654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.4 | 7.3 | 10.9 |
| 104 | 5.7 | 3.9 | 5.9 |

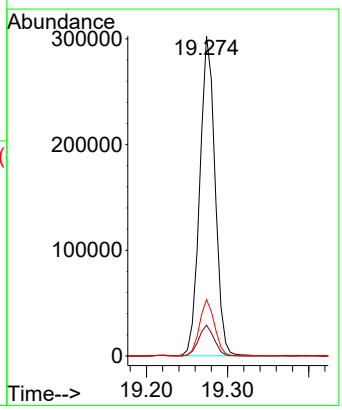


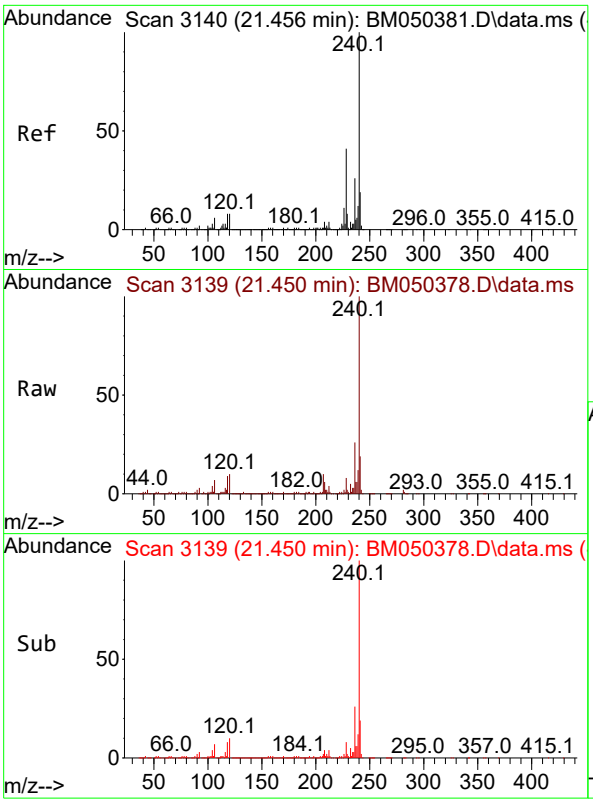




#75
Fluoranthene
Concen: 4.421 ng
RT: 19.274 min Scan# 2769
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:202 Resp: 395390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.6 | 0.0 | 28.3 |
| 203 | 17.6 | 0.0 | 37.2 |



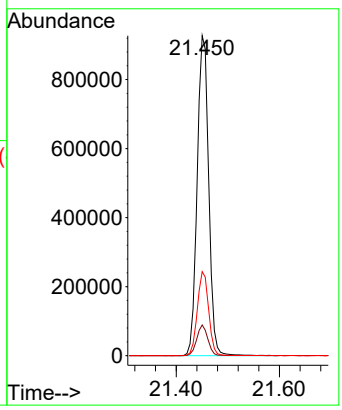


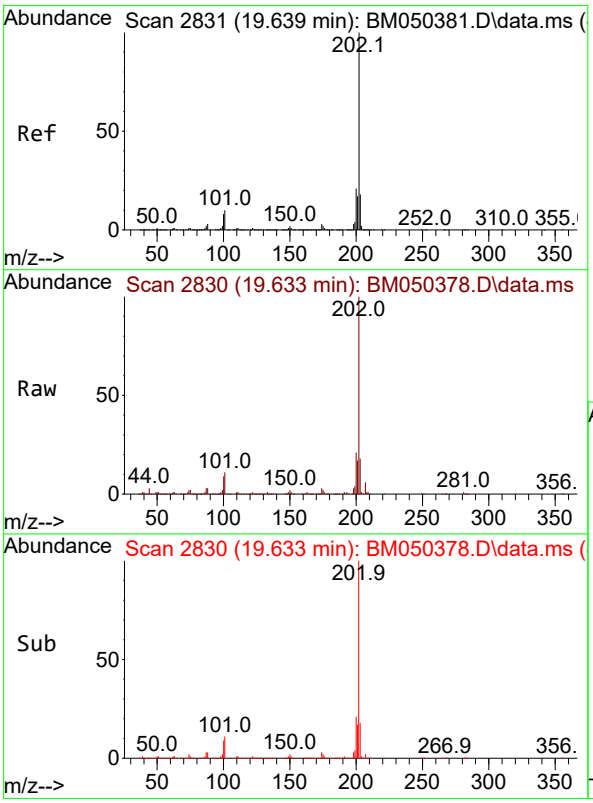

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.450 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:240 Resp: 1431554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.6 | 6.7 | 10.1 |
| 236 | 26.3 | 20.7 | 31.1 |

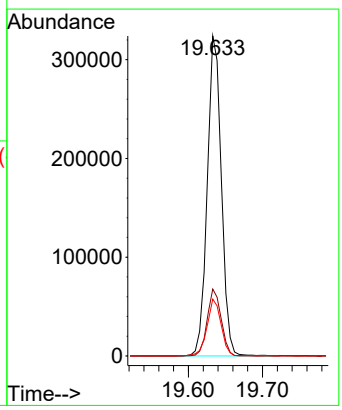


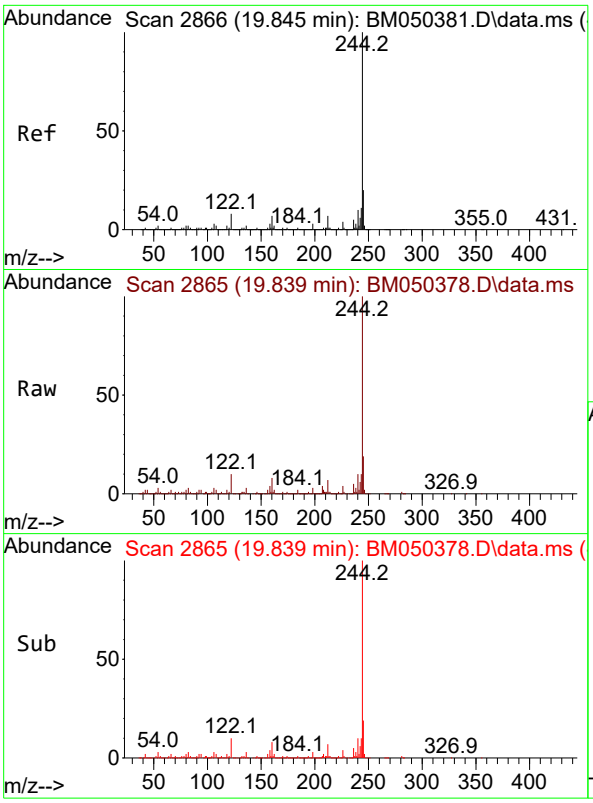




#78
Pyrene
Concen: 4.676 ng
RT: 19.633 min Scan# 2830
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:202 Resp: 428758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.9 | 16.9 | 25.3 |
| 203 | 17.7 | 14.1 | 21.1 |



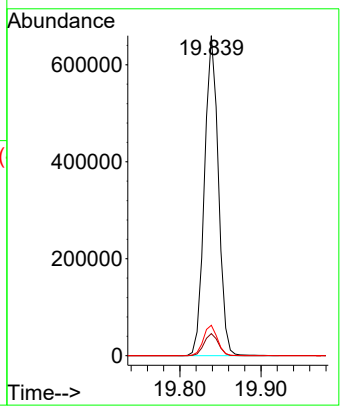


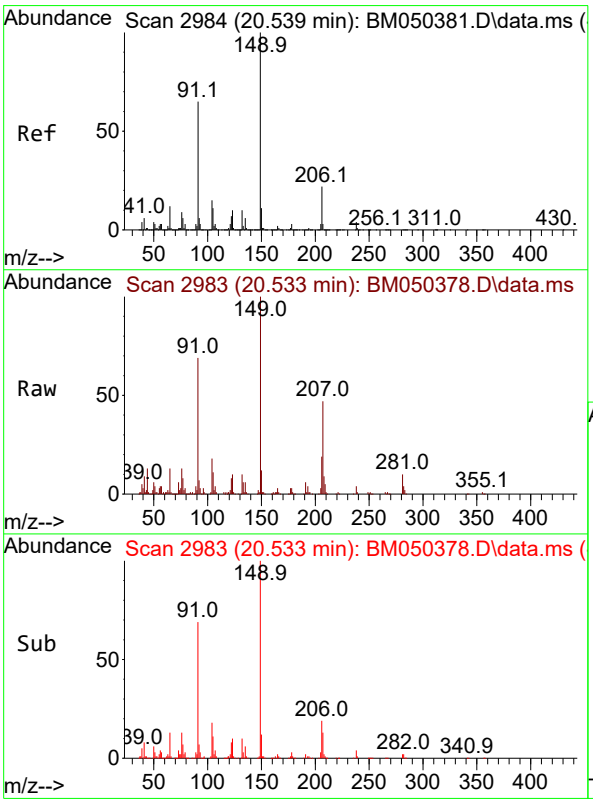

#79
Terphenyl-d14
Concen: 9.630 ng
RT: 19.839 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:244 Resp: 783562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.7 | 8.5 |
| 122 | 9.5 | 6.2 | 9.2# |

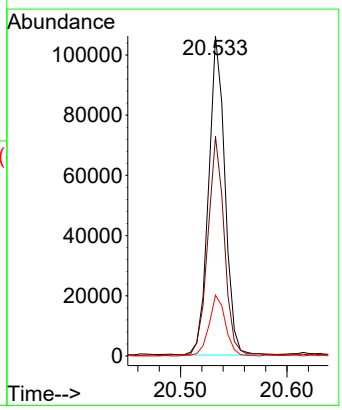


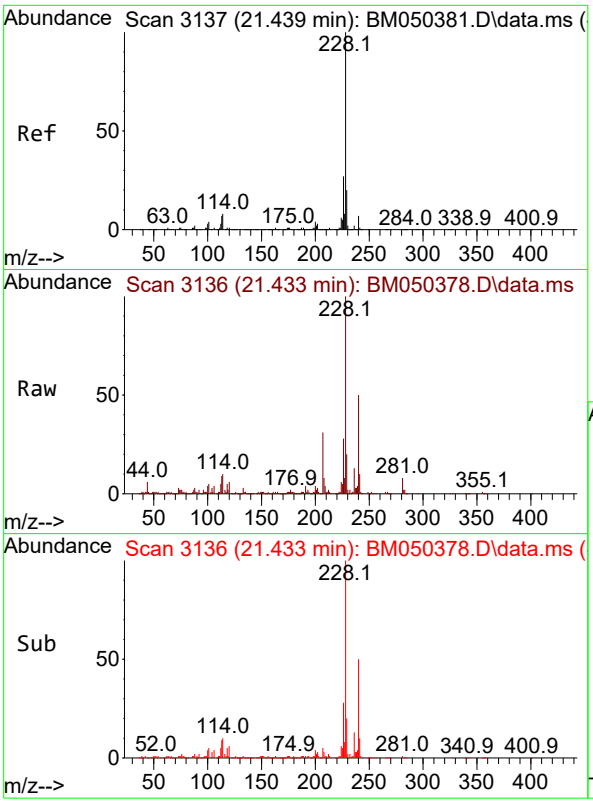




#80
Butylbenzylphthalate
Concen: 3.757 ng
RT: 20.533 min Scan# 2983
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:149 Resp: 113580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 68.6 | 51.6 | 77.4 |
| 206 | 19.0 | 17.8 | 26.8 |



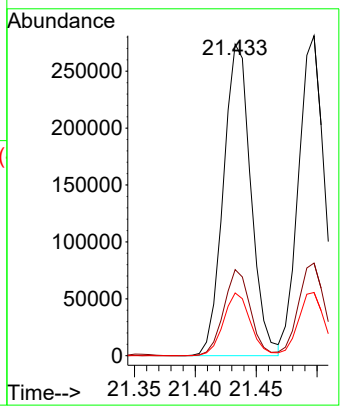


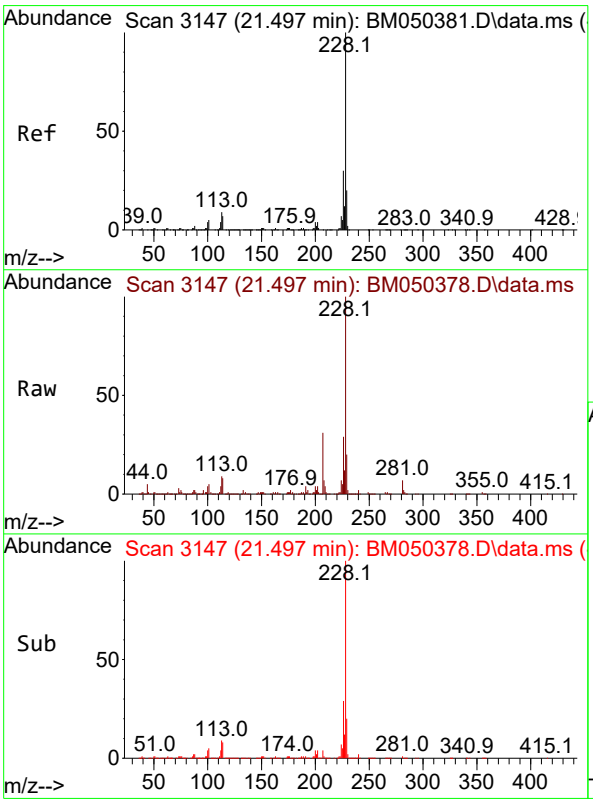

#81
Benzo(a)anthracene
Concen: 4.620 ng
RT: 21.433 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:228 Resp: 430980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.6 | 21.8 | 32.8 |
| 229 | 20.1 | 16.0 | 24.0 |

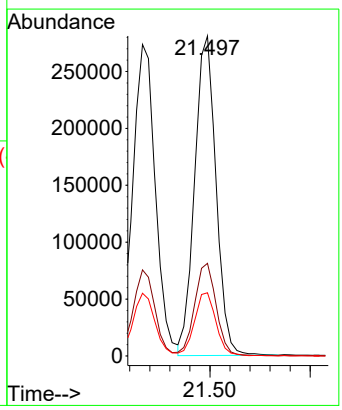


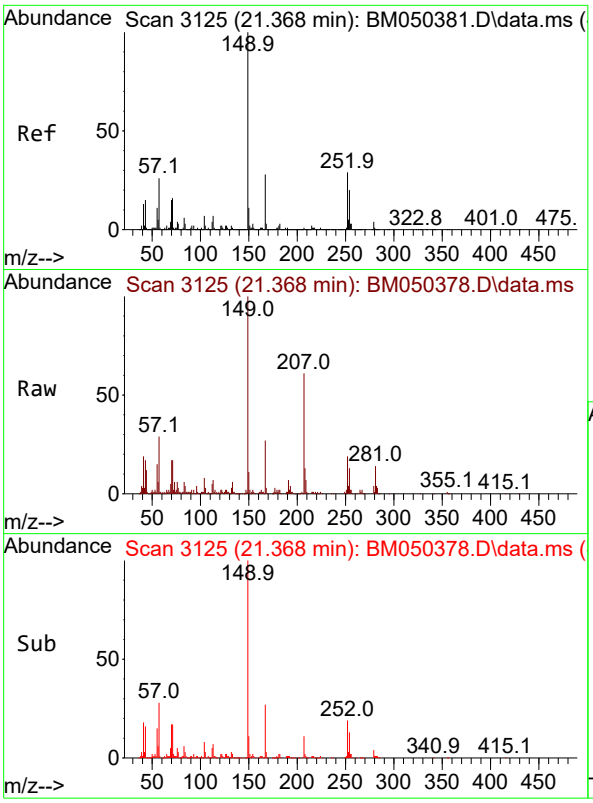




#83
Chrysene
Concen: 4.727 ng
RT: 21.497 min Scan# 3147
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:228 Resp: 415885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.0 | 24.2 | 36.4 |
| 229 | 19.8 | 15.8 | 23.6 |



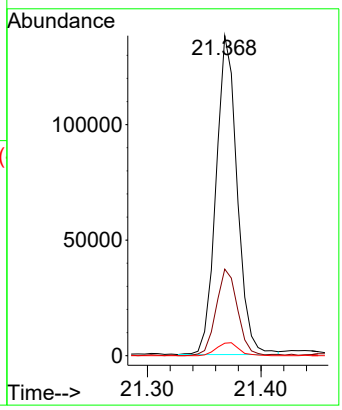


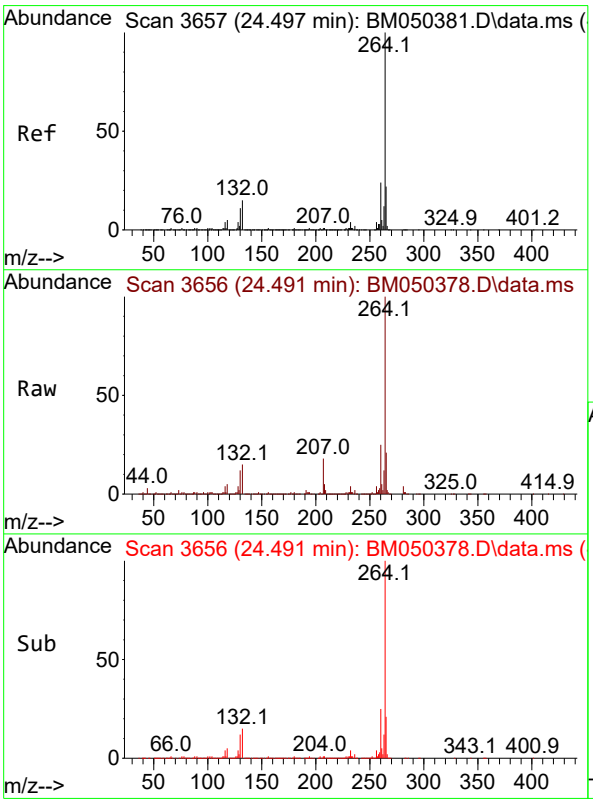

#84
Bis(2-ethylhexyl)phthalate
Concen: 3.724 ng
RT: 21.368 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:149 Resp: 178701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.1 | 22.7 | 34.1 |
| 279 | 3.9 | 3.5 | 5.3 |

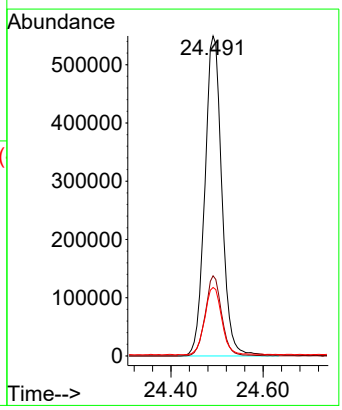


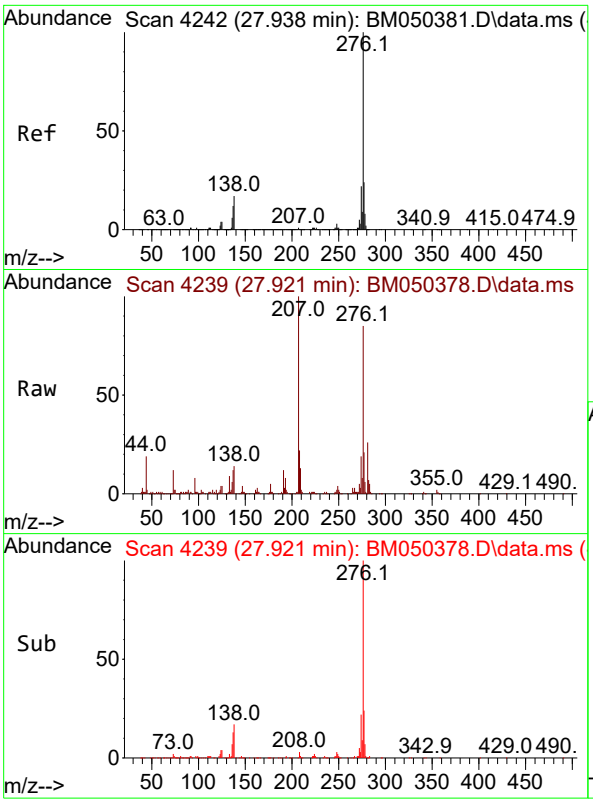




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.491 min Scan# 3656
Delta R.T. -0.006 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:264 Resp: 1410719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.0 | 19.2 | 28.8 |
| 265 | 21.4 | 17.8 | 26.6 |



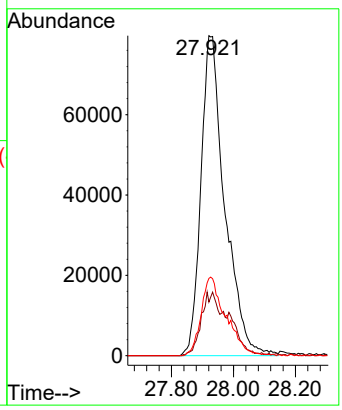


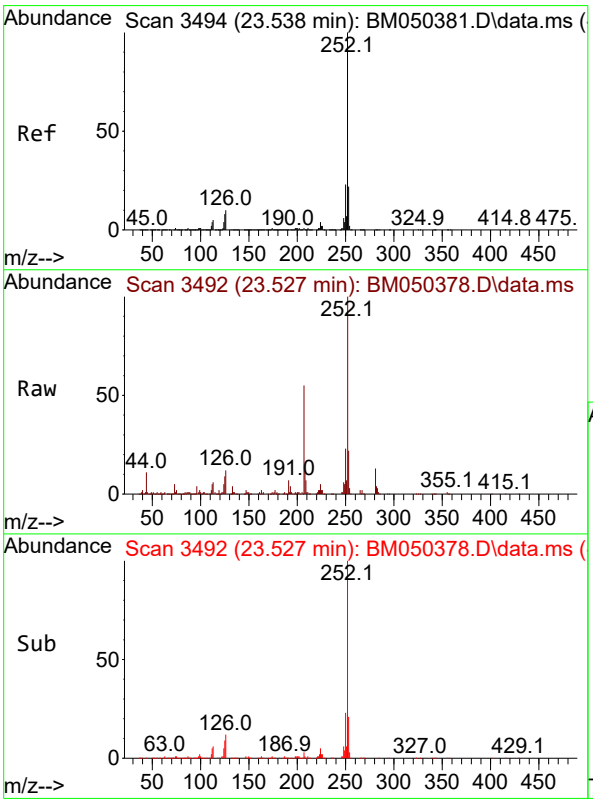

#87
Indeno(1,2,3-cd)pyrene
Concen: 4.249 ng
RT: 27.921 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:276 Resp: 426152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 17.1 | 17.0 | 25.6 |
| 277 | 25.5 | 20.0 | 30.0 |

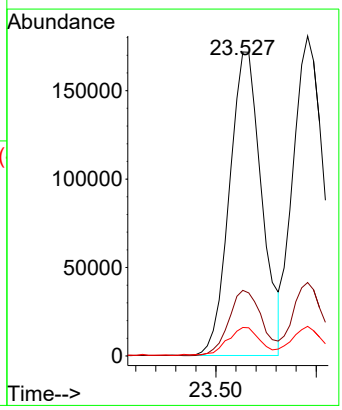


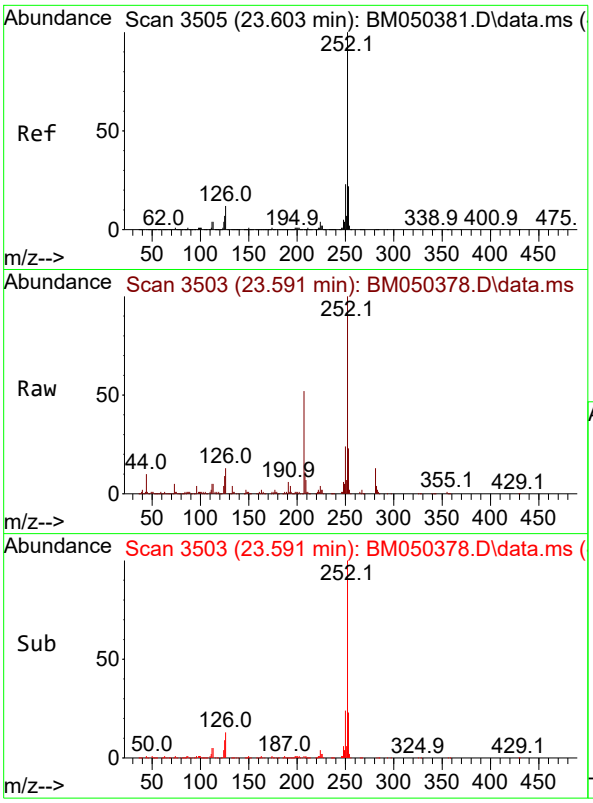




#88
Benzo(b)fluoranthene
Concen: 4.431 ng
RT: 23.527 min Scan# 3492
Delta R.T. -0.012 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:252 Resp: 384470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.8 | 26.6 |
| 125 | 9.4 | 6.3 | 9.5 |



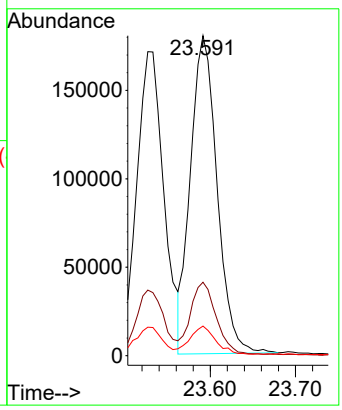


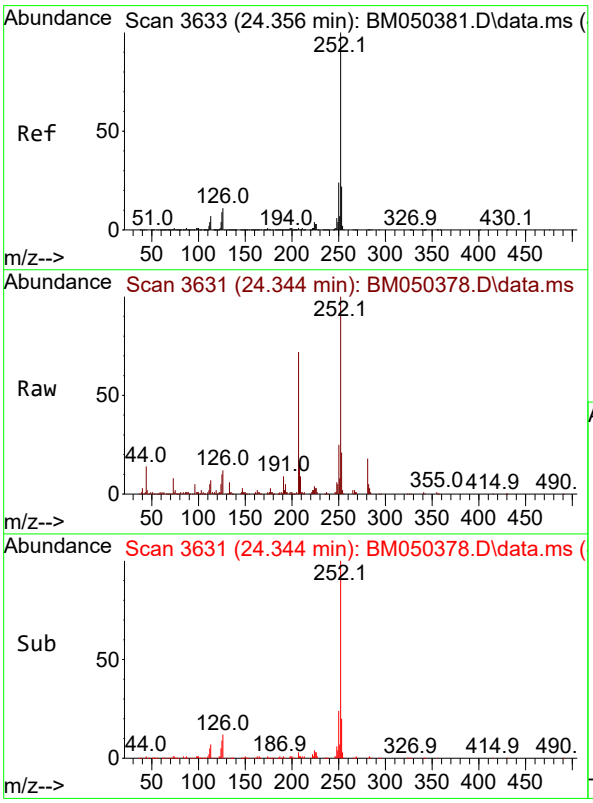

#89
Benzo(k)fluoranthene
Concen: 4.330 ng
RT: 23.591 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:252 Resp: 389878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 17.6 | 26.4 |
| 125 | 9.3 | 6.2 | 9.2# |

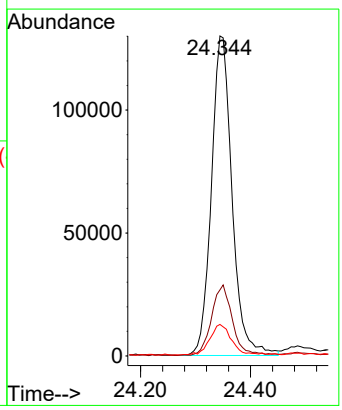


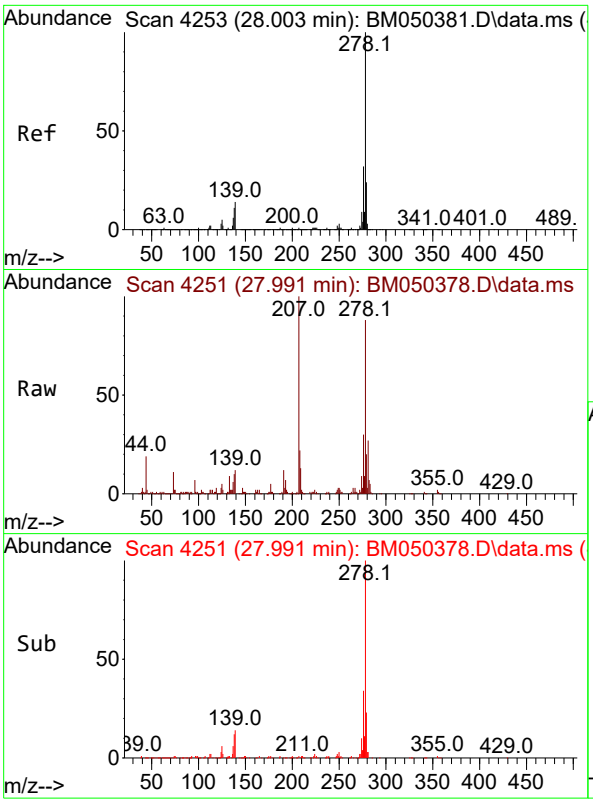




#90
Benzo(a)pyrene
Concen: 4.177 ng
RT: 24.344 min Scan# 3631
Delta R.T. -0.012 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:252 Resp: 339308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 20.7 | 17.8 | 26.6 |
| 125 | 9.9 | 7.0 | 10.4 |



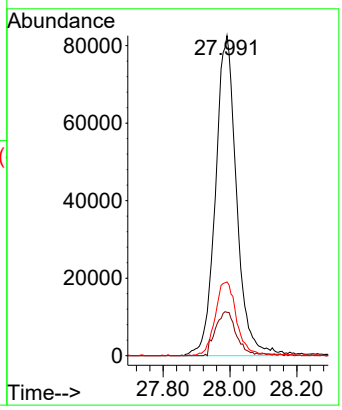


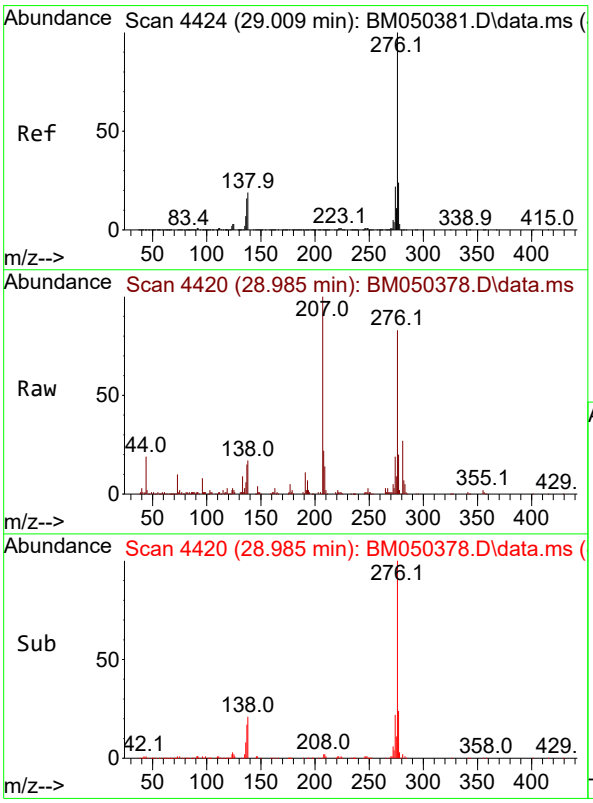

#91
Dibenzo(a,h)anthracene
Concen: 4.269 ng
RT: 27.991 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

Tgt Ion:278 Resp: 360576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.5 | 10.8 | 16.2 |
| 279 | 23.1 | 19.4 | 29.0 |

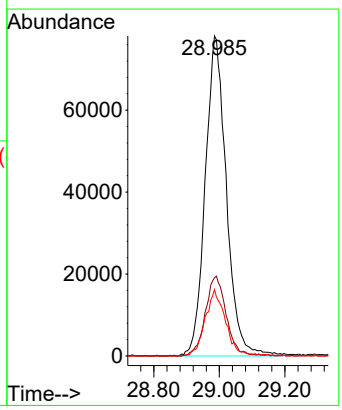



#92
Benzo(g,h,i)perylene
Concen: 4.382 ng
RT: 28.985 min Scan# 4420
Delta R.T. -0.023 min
Lab File: BM050378.D
Acq: 08 Jul 2025 13:19

Tgt Ion:276 Resp: 349804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.4 | 19.1 | 28.7 |
| 138 | 20.8 | 14.9 | 22.3 |



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050379.D
Acq On : 08 Jul 2025 14:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 08 18:20:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.863 | 152 | 361961 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.663 | 136 | 1342132 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.492 | 164 | 846249 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.227 | 188 | 1580349 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.450 | 240 | 1564213 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.491 | 264 | 1552476 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.434 | 112 | 390415 | 18.566 | ng | | 0.00 |
| 7) Phenol-d6 | 7.016 | 99 | 480384 | 18.122 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.016 | 82 | 476926 | 18.129 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.968 | 330 | 165401 | 16.086 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.121 | 172 | 1301714 | 18.996 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.839 | 244 | 1735885 | 19.526 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.334 | 88 | 84322 | 9.752 | ng | | 97 |
| 3) Pyridine | 3.734 | 79 | 216596 | 9.541 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.640 | 42 | 101622 | 9.602 | ng | # | 92 |
| 6) Aniline | 7.187 | 93 | 308012 | 9.054 | ng | | 99 |
| 8) 2-Chlorophenol | 7.428 | 128 | 200037 | 9.022 | ng | | 99 |
| 9) Benzaldehyde | 6.998 | 77 | 170875m | 10.835 | ng | | |
| 10) Phenol | 7.045 | 94 | 255531 | 9.242 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.281 | 93 | 205153 | 9.265 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.757 | 146 | 257848 | 9.564 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.898 | 146 | 264062 | 9.592 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.222 | 146 | 252415 | 9.577 | ng | | 96 |
| 15) Benzyl Alcohol | 8.098 | 79 | 164181 | 8.790 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.392 | 45 | 315036 | 9.659 | ng | | 100 |
| 17) 2-Methylphenol | 8.298 | 107 | 162594 | 9.067 | ng | | 96 |
| 18) Hexachloroethane | 8.951 | 117 | 90719 | 9.370 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 8.669 | 70 | 146225 | 9.106 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.622 | 107 | 211795 | 8.798 | ng | | 99 |
| 22) Acetophenone | 8.681 | 105 | 321333 | 9.576 | ng | # | 98 |
| 24) Nitrobenzene | 9.057 | 77 | 220849 | 9.408 | ng | | 98 |
| 25) Isophorone | 9.586 | 82 | 385498 | 9.031 | ng | | 98 |
| 26) 2-Nitrophenol | 9.769 | 139 | 74836 | 7.822 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 9.828 | 122 | 184710 | 9.073 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 10.069 | 93 | 264798 | 9.361 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.304 | 162 | 187427 | 8.961 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.528 | 180 | 234305 | 9.364 | ng | | 97 |
| 31) Naphthalene | 10.710 | 128 | 653977 | 9.593 | ng | | 99 |
| 32) Benzoic acid | 9.886 | 122 | 67388 | 10.696 | ng | | 97 |
| 33) 4-Chloroaniline | 10.810 | 127 | 266307 | 9.240 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.004 | 225 | 140567 | 9.205 | ng | | 94 |
| 35) Caprolactam | 11.557 | 113 | 42675 | 7.474 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 11.927 | 107 | 171511 | 8.781 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.322 | 142 | 399569 | 9.283 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.539 | 142 | 422148 | 9.267 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.686 | 216 | 240904 | 8.952 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.680 | 237 | 135571 | 7.881 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 12.922 | 196 | 141791 | 8.560 | ng | | 97 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050379.D
Acq On : 08 Jul 2025 14:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 08 18:20:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.992 | 196 | 159049 | 8.792 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.327 | 154 | 600373 | 9.562 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.369 | 162 | 476534 | 9.519 | ng | | 99 |
| 48) 2-Nitroaniline | 13.563 | 65 | 89190 | 7.982 | ng | | 96 |
| 49) Acenaphthylene | 14.216 | 152 | 701534 | 9.273 | ng | | 99 |
| 50) Dimethylphthalate | 13.945 | 163 | 543665 | 9.331 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.057 | 165 | 94728 | 8.468 | ng | | 94 |
| 52) Acenaphthene | 14.557 | 154 | 444228 | 9.236 | ng | | 95 |
| 53) 3-Nitroaniline | 14.380 | 138 | 97828 | 8.223 | ng | # | 93 |
| 54) 2,4-Dinitrophenol | 14.586 | 184 | 31123 | 11.045 | ng | | 99 |
| 55) Dibenzofuran | 14.892 | 168 | 708153 | 9.555 | ng | | 98 |
| 56) 4-Nitrophenol | 14.680 | 139 | 76886 | 7.515 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 14.839 | 165 | 117194 | 9.325 | ng | | 92 |
| 58) Fluorene | 15.539 | 166 | 562098 | 9.208 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.110 | 232 | 129591 | 8.509 | ng | | 97 |
| 60) Diethylphthalate | 15.310 | 149 | 512043 | 9.200 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.533 | 204 | 284655 | 8.918 | ng | | 96 |
| 62) 4-Nitroaniline | 15.539 | 138 | 96460 | 9.259 | ng | | 90 |
| 63) Azobenzene | 15.821 | 77 | 472164 | 9.239 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylph... | 15.598 | 198 | 45307 | 10.934 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.739 | 169 | 455683 | 9.215 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.421 | 248 | 153426 | 8.812 | ng | | 94 |
| 68) Hexachlorobenzene | 16.539 | 284 | 184262 | 8.960 | ng | | 97 |
| 69) Atrazine | 16.686 | 200 | 137949 | 8.495 | ng | | 98 |
| 70) Pentachlorophenol | 16.874 | 266 | 96207 | 7.515 | ng | | 99 |
| 71) Phenanthrene | 17.268 | 178 | 845393 | 9.454 | ng | | 99 |
| 72) Anthracene | 17.357 | 178 | 803377 | 9.025 | ng | | 99 |
| 73) Carbazole | 17.621 | 167 | 746026 | 9.263 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.198 | 149 | 759019 | 8.610 | ng | | 99 |
| 75) Fluoranthene | 19.274 | 202 | 852385 | 8.768 | ng | | 98 |
| 77) Benzidine | 19.456 | 184 | 289481 | 7.256 | ng | | 99 |
| 78) Pyrene | 19.633 | 202 | 920751 | 9.191 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.533 | 149 | 261606 | 7.920 | ng | | 95 |
| 81) Benzo(a)anthracene | 21.433 | 228 | 940127 | 9.224 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.356 | 252 | 274551 | 7.988 | ng | | 100 |
| 83) Chrysene | 21.497 | 228 | 902126 | 9.384 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.374 | 149 | 426642 | 8.136 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.521 | 149 | 580634 | 7.070 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 27.921 | 276 | 960927 | 8.706 | ng | # | 94 |
| 88) Benzo(b)fluoranthene | 23.533 | 252 | 834603 | 8.740 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.591 | 252 | 883703 | 8.919 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.344 | 252 | 764280 | 8.550 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 27.985 | 278 | 803056 | 8.639 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 28.997 | 276 | 776700 | 8.841 | ng | | 99 |

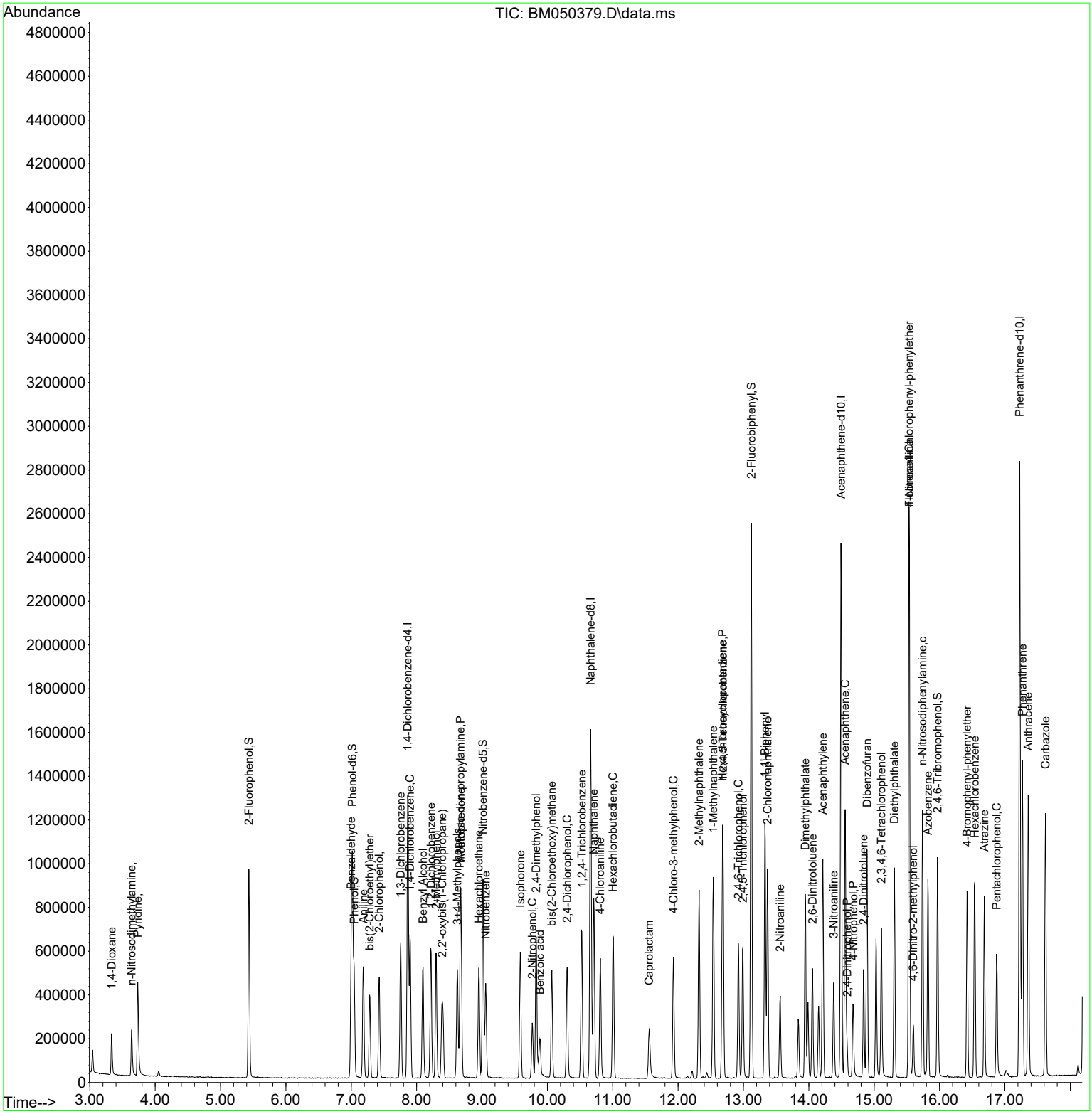
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050379.D
Acq On : 08 Jul 2025 14:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 08 18:20:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

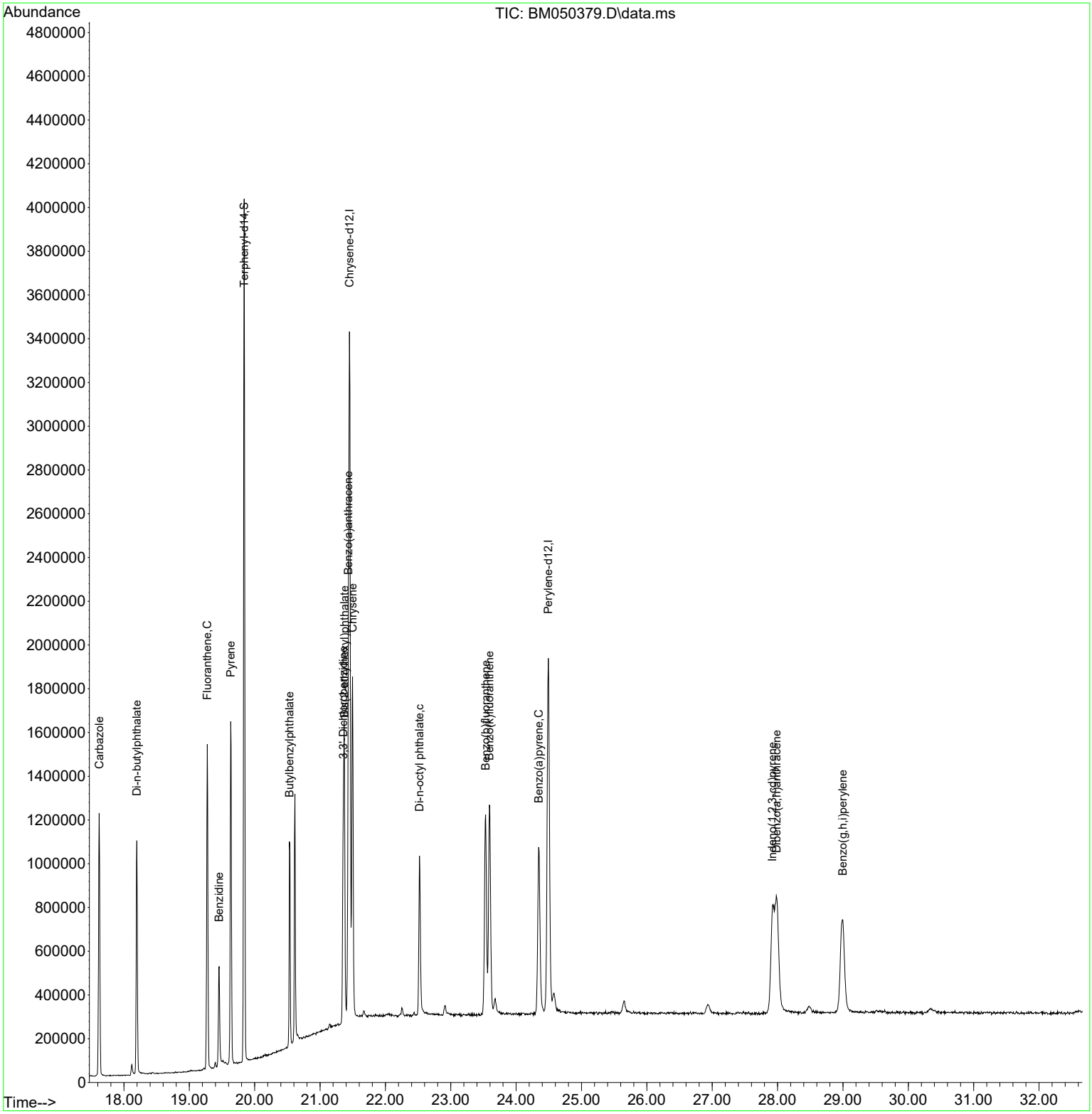


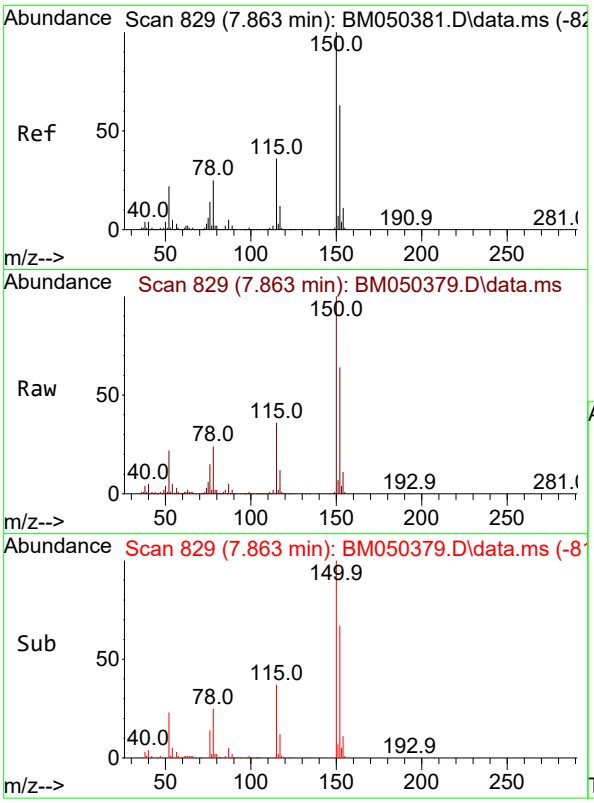
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050379.D
Acq On : 08 Jul 2025 14:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 08 18:20:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

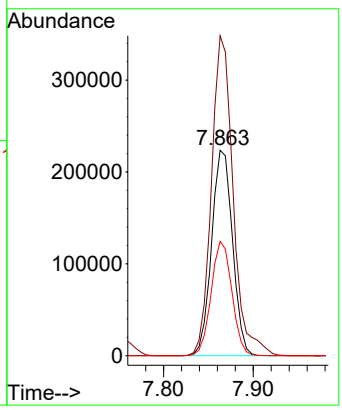





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:152 Resp: 36196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.7 | 126.2 | 189.4 |
| 115 | 55.6 | 45.8 | 68.8 |

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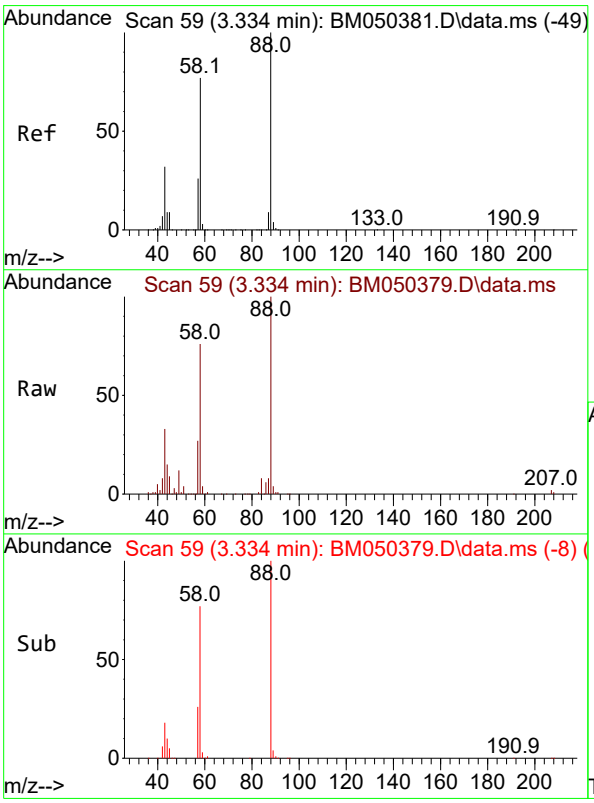
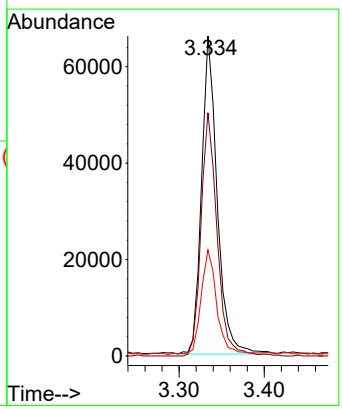
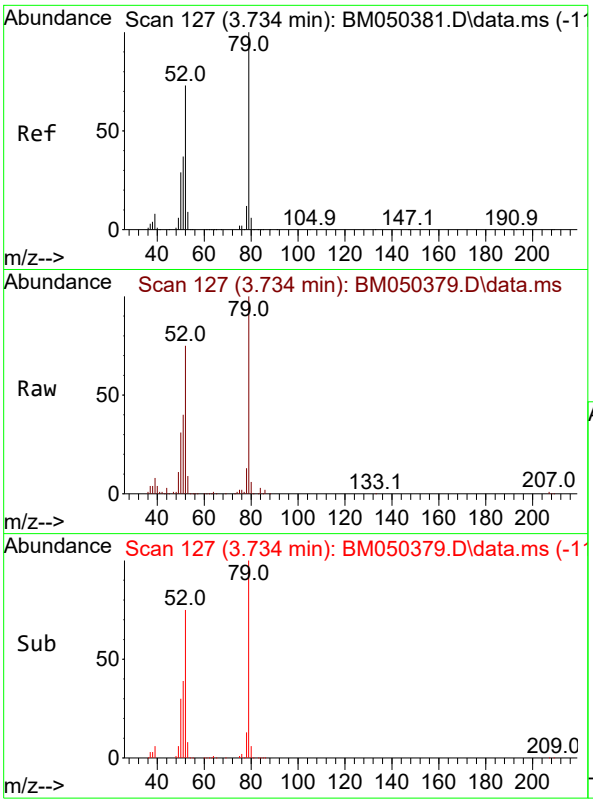



#2
1,4-Dioxane
Concen: 9.752 ng
RT: 3.334 min Scan# 59
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion: 88 Resp: 84322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 78.0 | 61.0 | 91.6 |
| 43 | 33.0 | 24.6 | 37.0 |

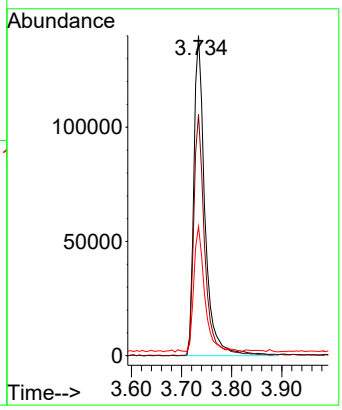





#3
Pyridine
Concen: 9.541 ng
RT: 3.734 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion: 79 Resp: 21659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 75.4 | 58.3 | 87.5 |
| 51 | 40.4 | 29.6 | 44.4 |




**Instrument :**
BNA_M
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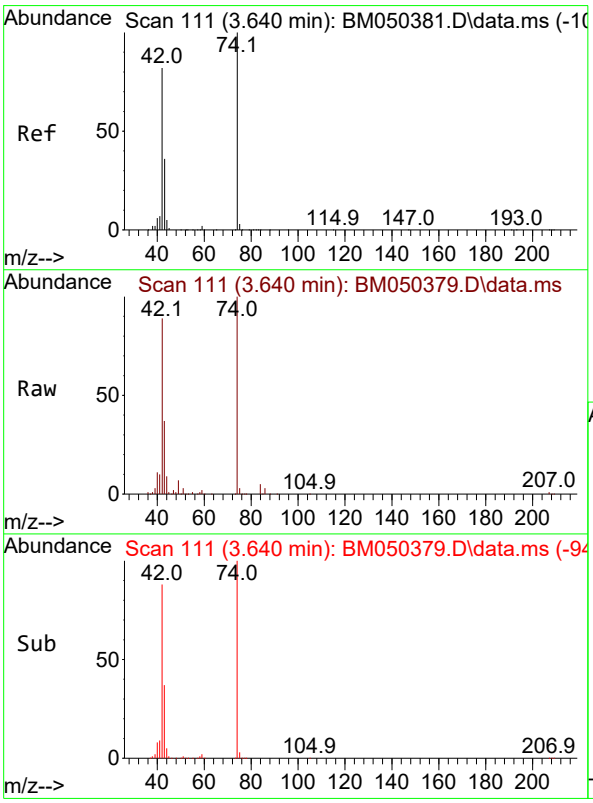
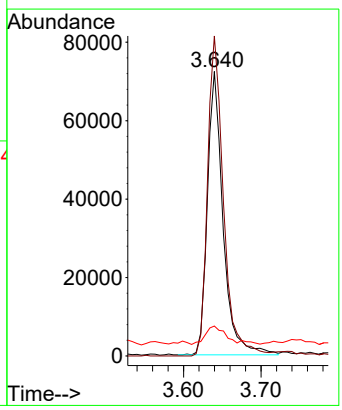
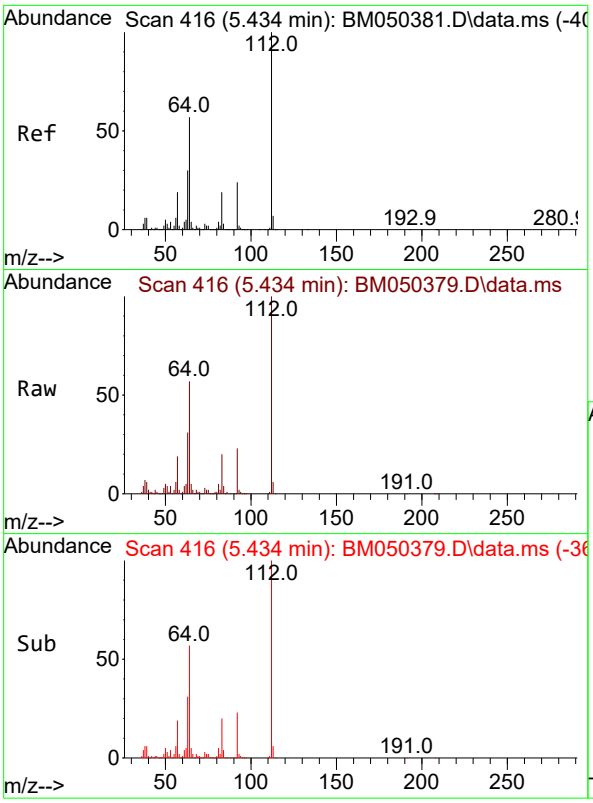



#4
n-Nitrosodimethylamine
Concen: 9.602 ng
RT: 3.640 min Scan# 111
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion: 42 Resp: 101622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 112.5 | 97.5 | 146.3 |
| 44 | 10.5 | 5.7 | 8.5# |

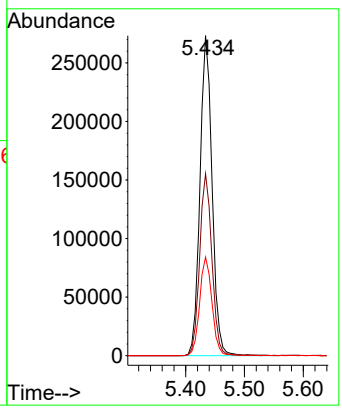





#5
2-Fluorophenol
Concen: 18.566 ng
RT: 5.434 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:112 Resp: 39041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.9 | 45.5 | 68.3 |
| 63 | 30.8 | 24.2 | 36.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

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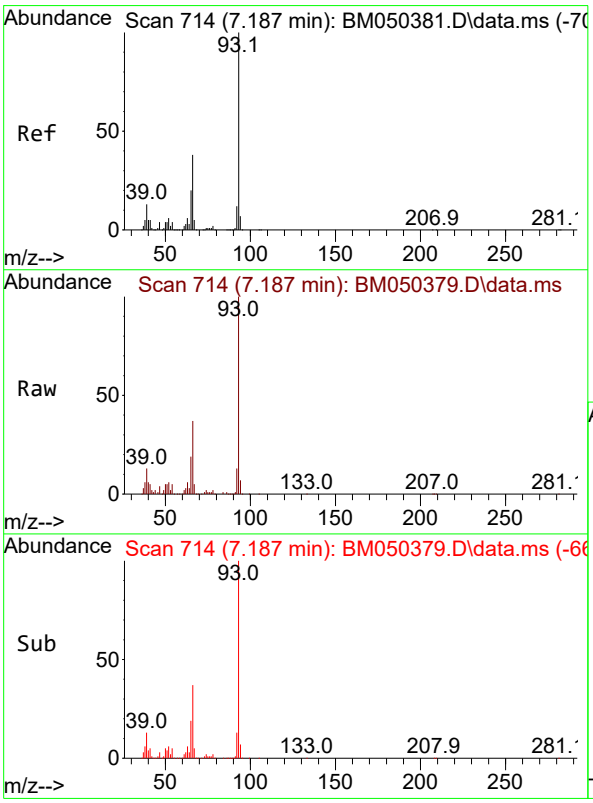
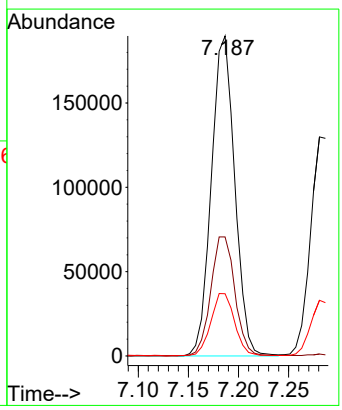
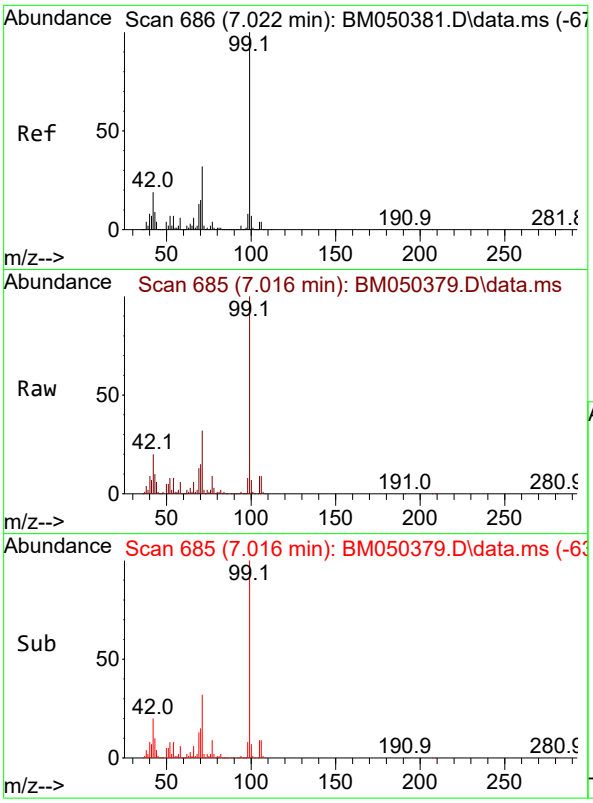



#6
Aniline
Concen: 9.054 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion: 93 Resp: 308012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 37.2 | 30.5 | 45.7 |
| 65 | 19.5 | 15.9 | 23.9 |

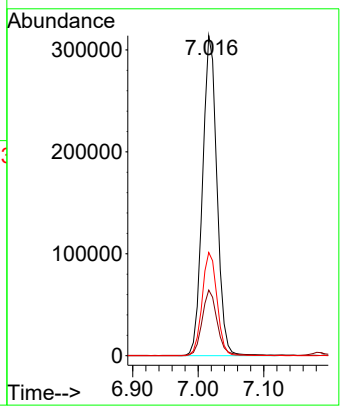





#7
Phenol-d6
Concen: 18.122 ng
RT: 7.016 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion: 99 Resp: 48038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.5 | 15.0 | 22.6 |
| 71 | 32.2 | 25.9 | 38.9 |




**Instrument :**
BNA_M
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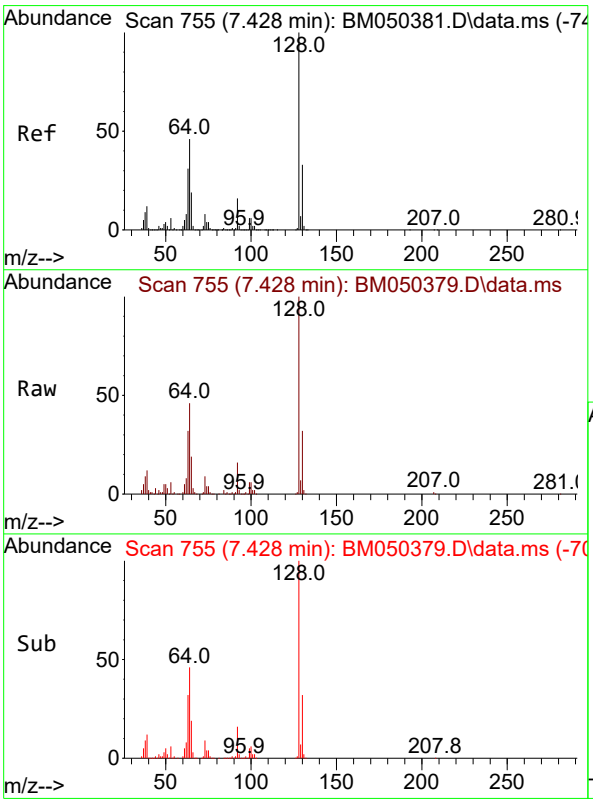
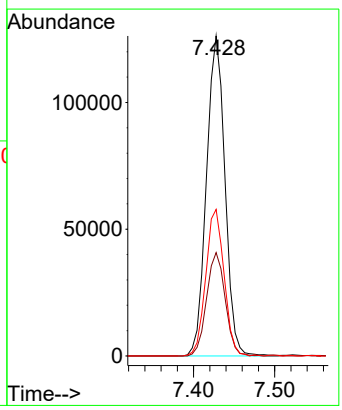
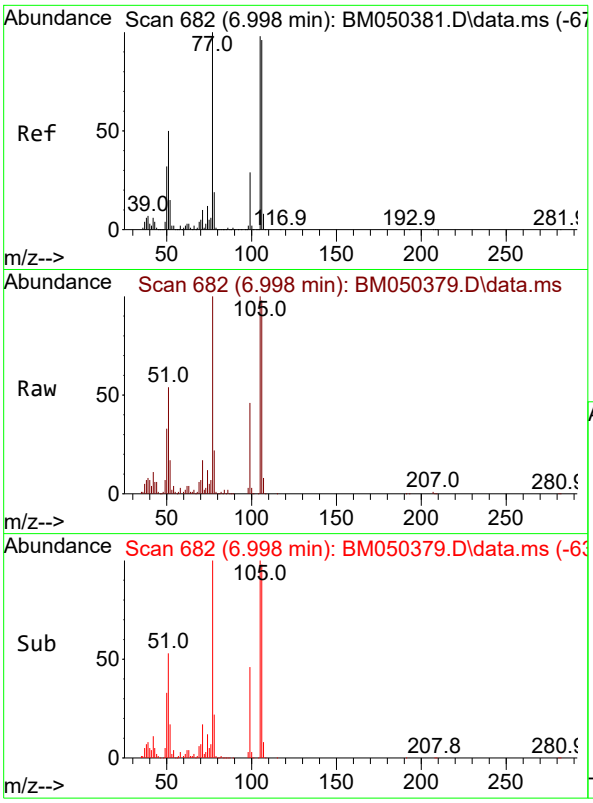



#8
2-Chlorophenol
Concen: 9.022 ng
RT: 7.428 min Scan# 755
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:128 Resp: 200037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.3 | 13.3 | 53.3 |
| 64 | 45.8 | 25.6 | 65.6 |

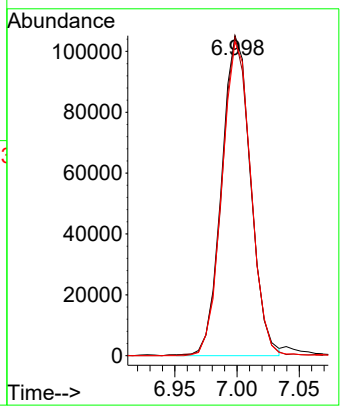





#9
Benzaldehyde
Concen: 10.835 ng m
RT: 6.998 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion: 77 Resp: 17087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.7 | 78.4 | 118.4 |
| 106 | 98.0 | 76.3 | 116.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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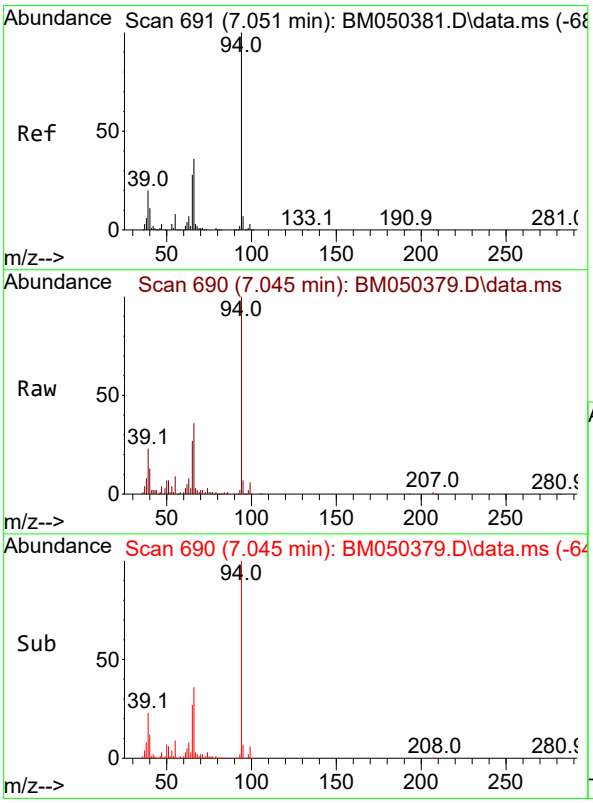
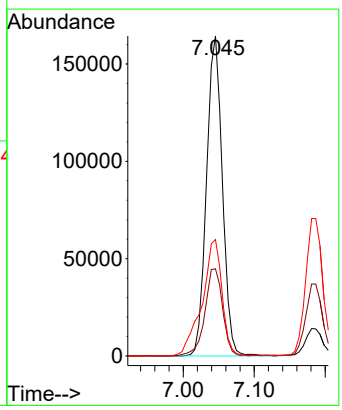
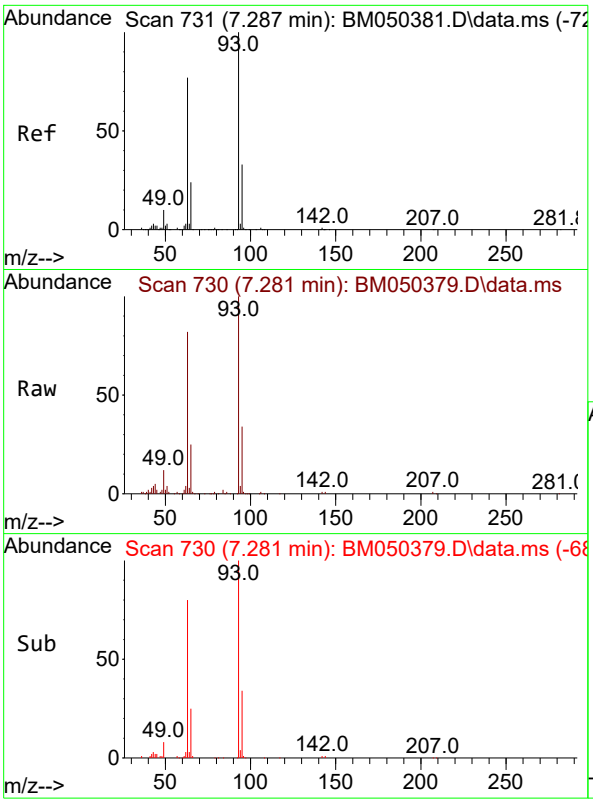



#10
Phenol
Concen: 9.242 ng
RT: 7.045 min Scan# 690
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion: 94 Resp: 255531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 27.3 | 8.1 | 48.1 |
| 66 | 36.4 | 15.8 | 55.8 |

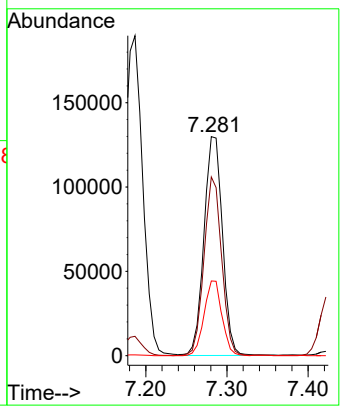





#11
bis(2-Chloroethyl)ether
Concen: 9.265 ng
RT: 7.281 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion: 93 Resp: 20515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 81.6 | 56.9 | 96.9 |
| 95 | 34.1 | 12.6 | 52.6 |

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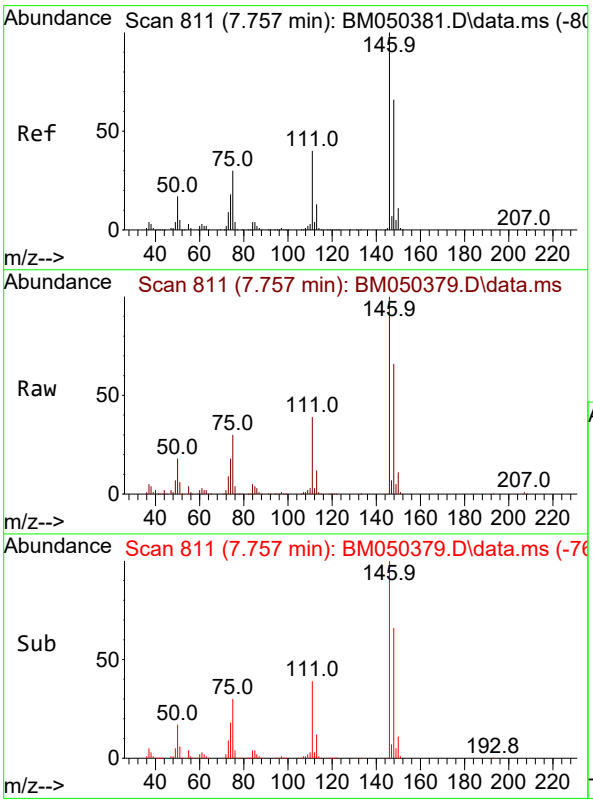
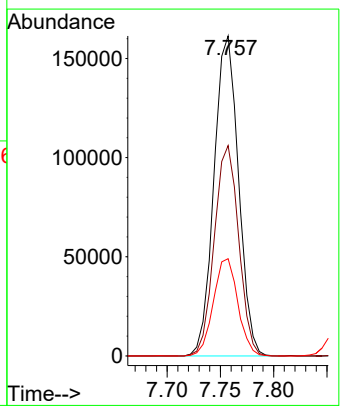
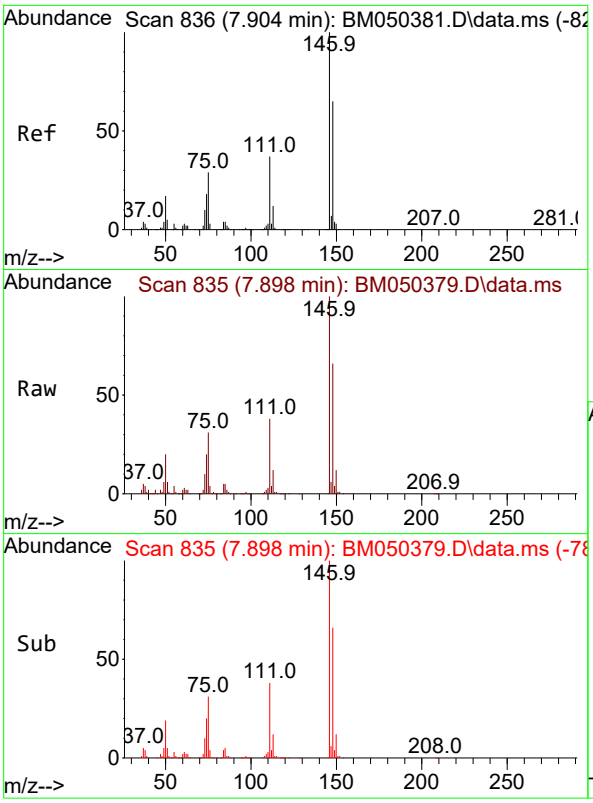



#12
1,3-Dichlorobenzene
Concen: 9.564 ng
RT: 7.757 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:146 Resp: 257848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.7 | 53.2 | 79.8 |
| 75 | 30.4 | 23.9 | 35.9 |

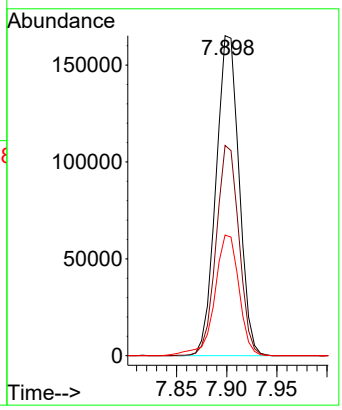





#13
1,4-Dichlorobenzene
Concen: 9.592 ng
RT: 7.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:146 Resp: 26406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.7 | 51.9 | 77.9 |
| 111 | 37.7 | 30.0 | 45.0 |

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BNA_M
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SSTDICC010

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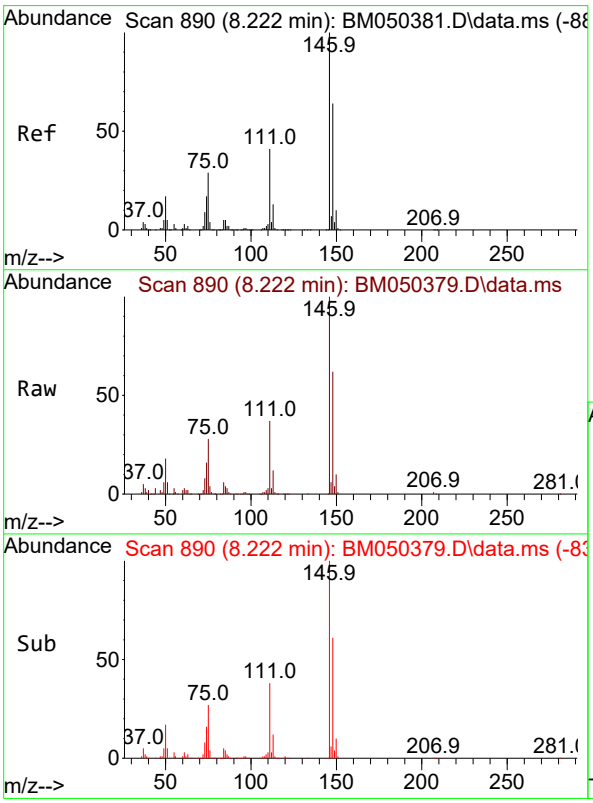
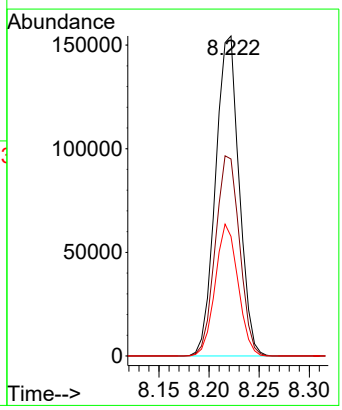
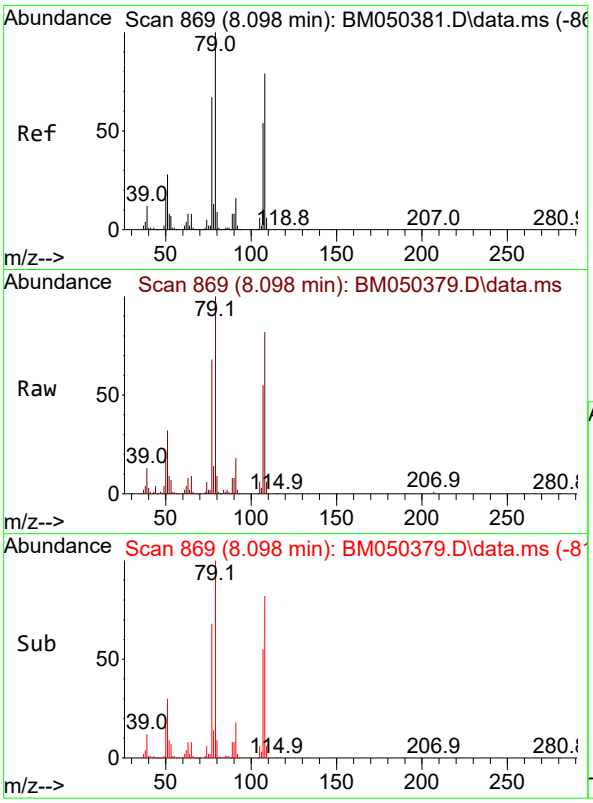



#14
1,2-Dichlorobenzene
Concen: 9.577 ng
RT: 8.222 min Scan# 890
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:146 Resp: 252415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 61.5 | 51.5 | 77.3 |
| 111 | 37.4 | 32.6 | 49.0 |

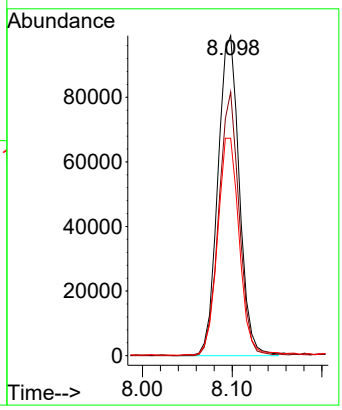





#15
Benzyl Alcohol
Concen: 8.790 ng
RT: 8.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion: 79 Resp: 16418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 82.4 | 63.0 | 94.4 |
| 77 | 67.9 | 53.4 | 80.0 |

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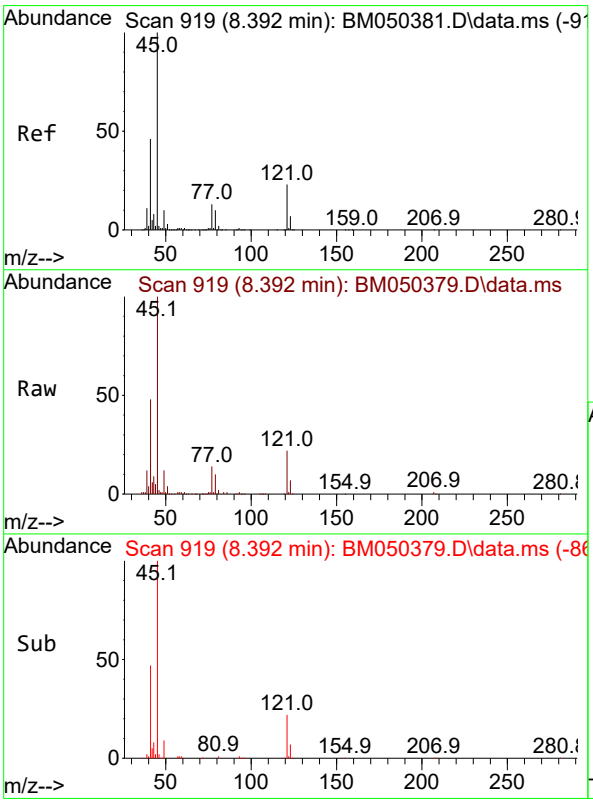
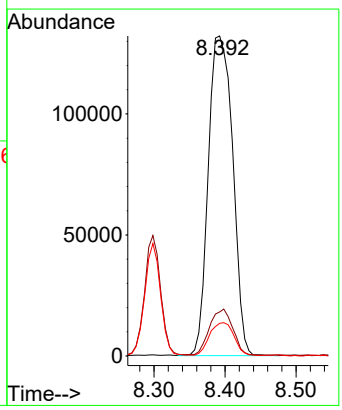
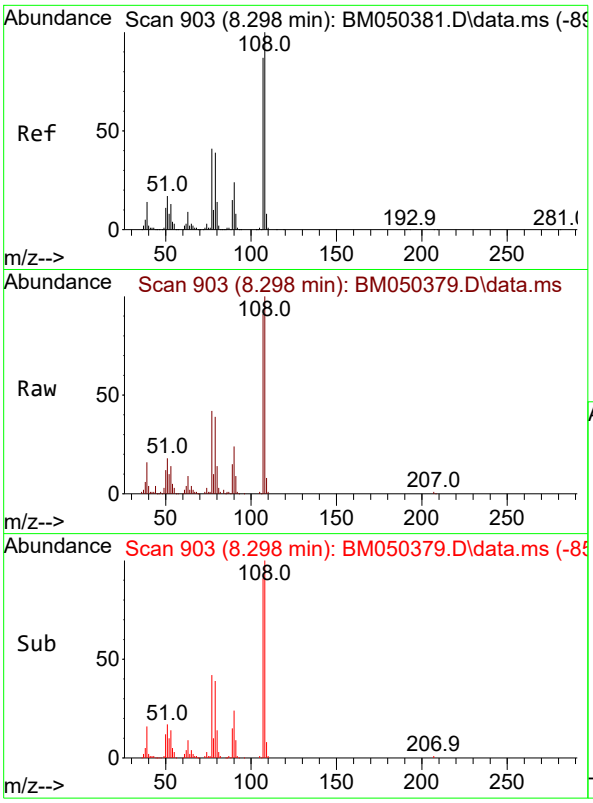



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.659 ng
RT: 8.392 min Scan# 919
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion: 45 Resp: 315036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 13.7 | 0.0 | 33.5 |
| 79 | 10.2 | 0.0 | 30.3 |

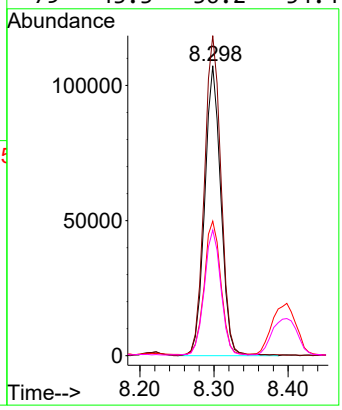





#17
2-Methylphenol
Concen: 9.067 ng
RT: 8.298 min Scan# 9(
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:107 Resp: 16259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 110.4 | 92.1 | 138.1 |
| 77 | 46.4 | 38.2 | 57.4 |
| 79 | 43.3 | 36.2 | 54.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

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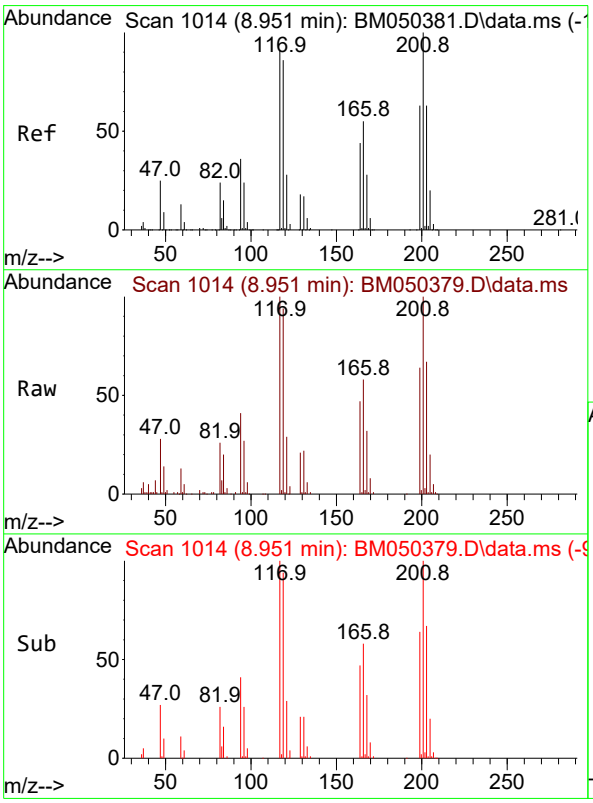
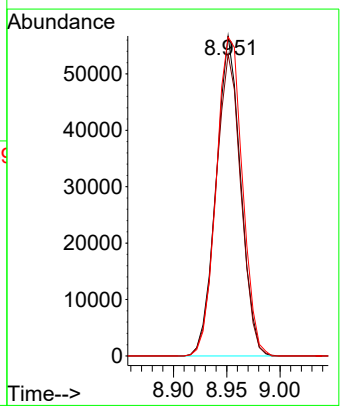
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

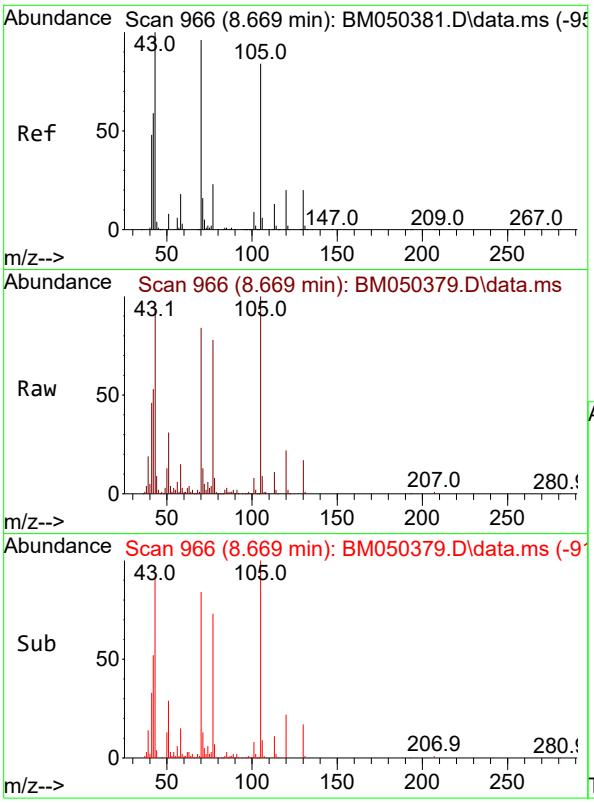



#18
Hexachloroethane
Concen: 9.370 ng
RT: 8.951 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:117 Resp: 90719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.3 | 75.6 | 113.4 |
| 201 | 99.7 | 87.9 | 131.9 |

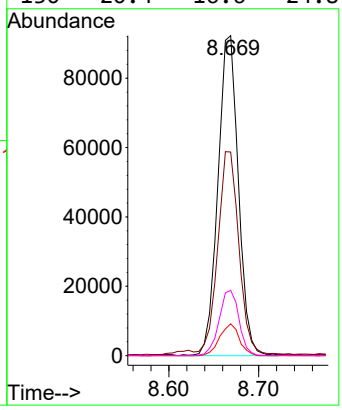





#19
n-Nitroso-di-n-propylamine
Concen: 9.106 ng
RT: 8.669 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion: 70 Resp: 14622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 63.7 | 49.7 | 74.5 |
| 101 | 10.0 | 7.7 | 11.5 |
| 130 | 20.4 | 16.6 | 24.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

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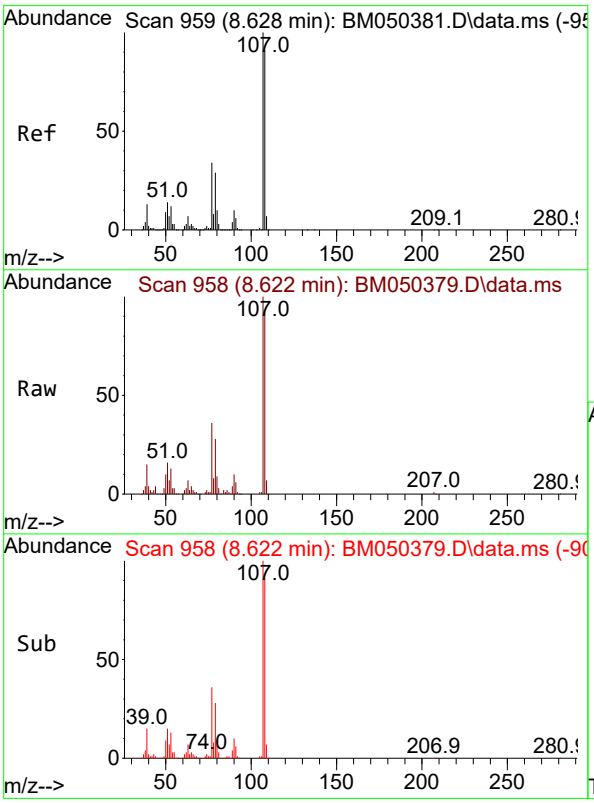
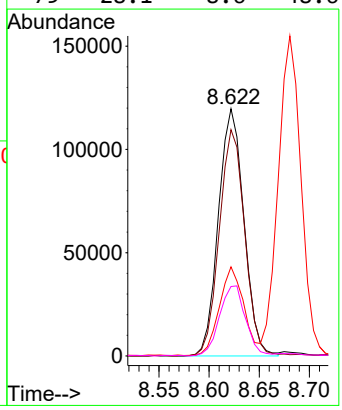
Supervised By :Jagrut Upadhyay 07/09/2025

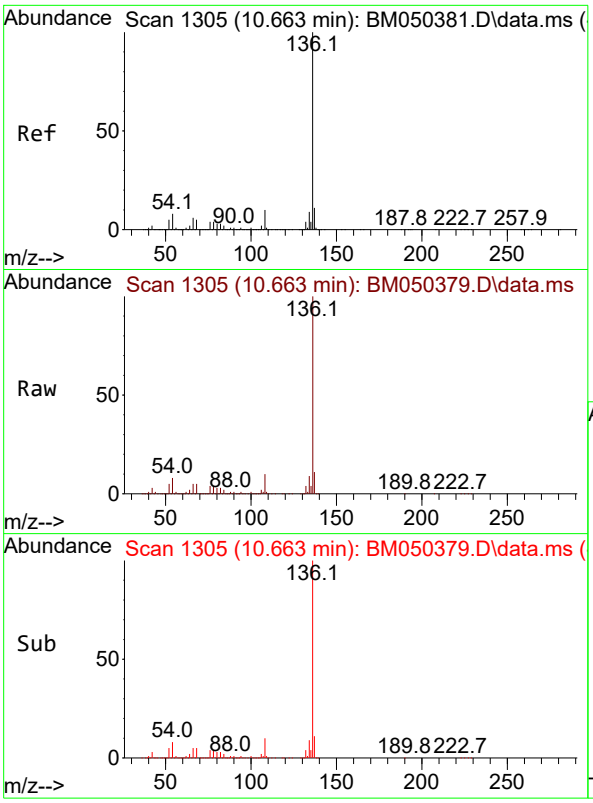



#20
3+4-Methylphenols
Concen: 8.798 ng
RT: 8.622 min Scan# 958
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:107 Resp: 211795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.5 | 71.5 | 111.5 |
| 77 | 36.1 | 13.7 | 53.7 |
| 79 | 28.1 | 8.6 | 48.6 |

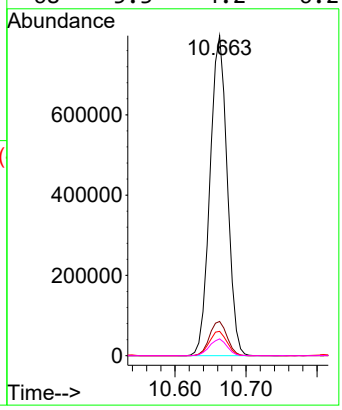





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:136 Resp: 134213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.8 | 13.2 |
| 54 | 7.6 | 6.3 | 9.5 |
| 68 | 5.3 | 4.2 | 6.2 |

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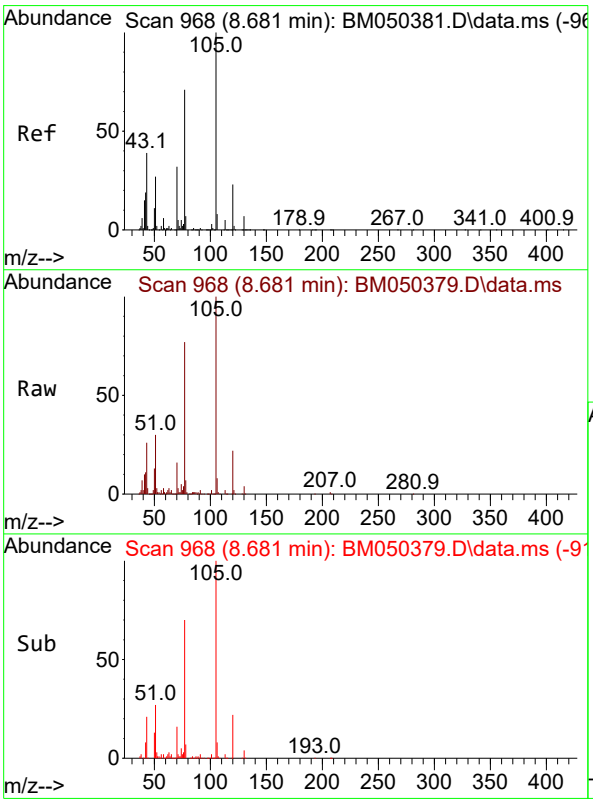
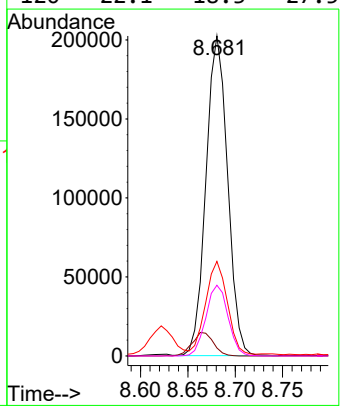
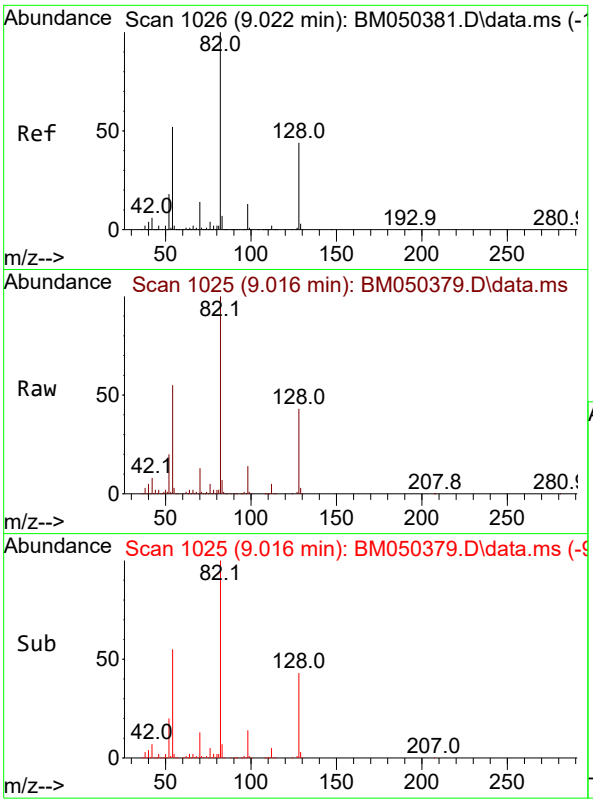



#22
Acetophenone
Concen: 9.576 ng
RT: 8.681 min Scan# 968
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:105 Resp: 321333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 2.5 | 4.4 | 6.6# |
| 51 | 29.6 | 23.0 | 34.6 |
| 120 | 22.1 | 18.3 | 27.5 |

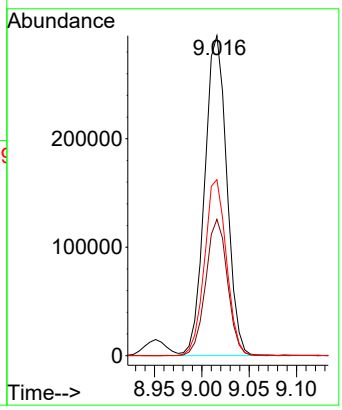





#23
Nitrobenzene-d5
Concen: 18.129 ng
RT: 9.016 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion: 82 Resp: 47692(

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.6 | 35.2 | 52.8 |
| 54 | 55.0 | 41.5 | 62.3 |




**Instrument :**
BNA_M
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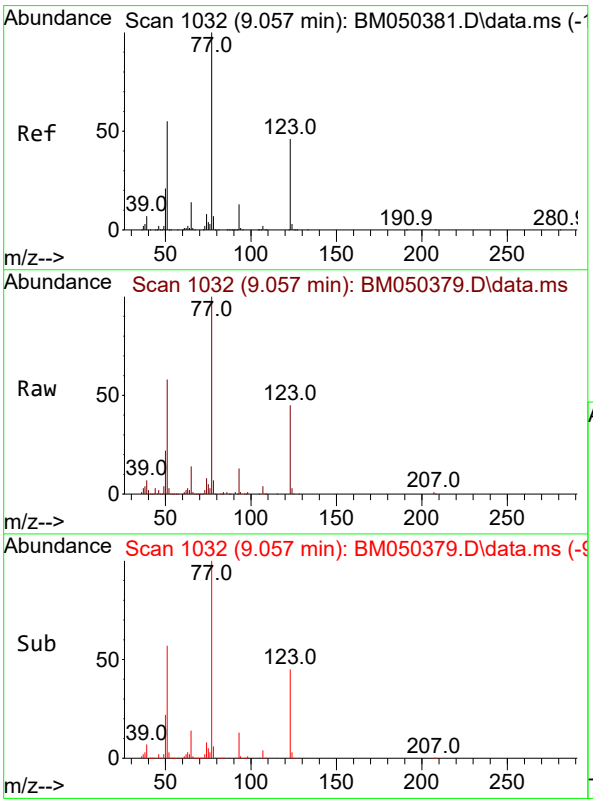
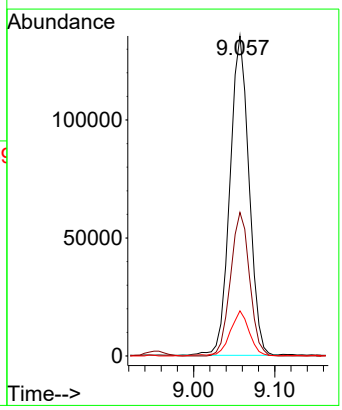
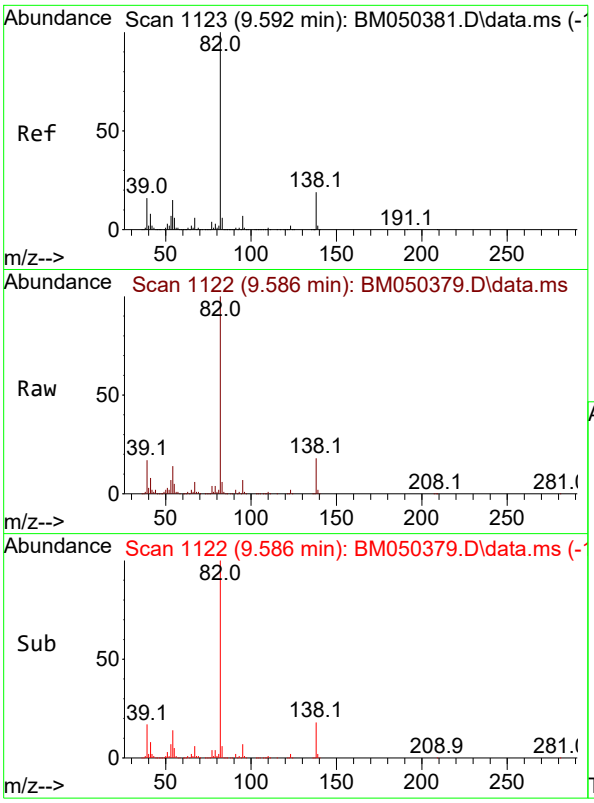



#24
Nitrobenzene
Concen: 9.408 ng
RT: 9.057 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion: 77 Resp: 220849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 44.8 | 37.0 | 55.6 |
| 65 | 14.1 | 11.0 | 16.4 |

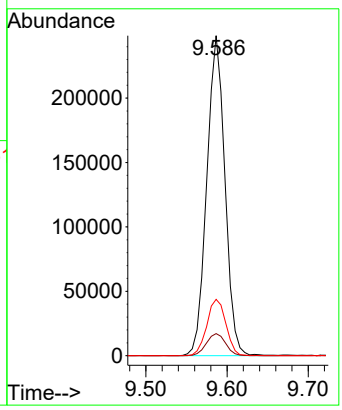





#25
Isophorone
Concen: 9.031 ng
RT: 9.586 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion: 82 Resp: 38549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.9 | 5.6 | 8.4 |
| 138 | 17.6 | 15.3 | 22.9 |




**Instrument :**
BNA_M
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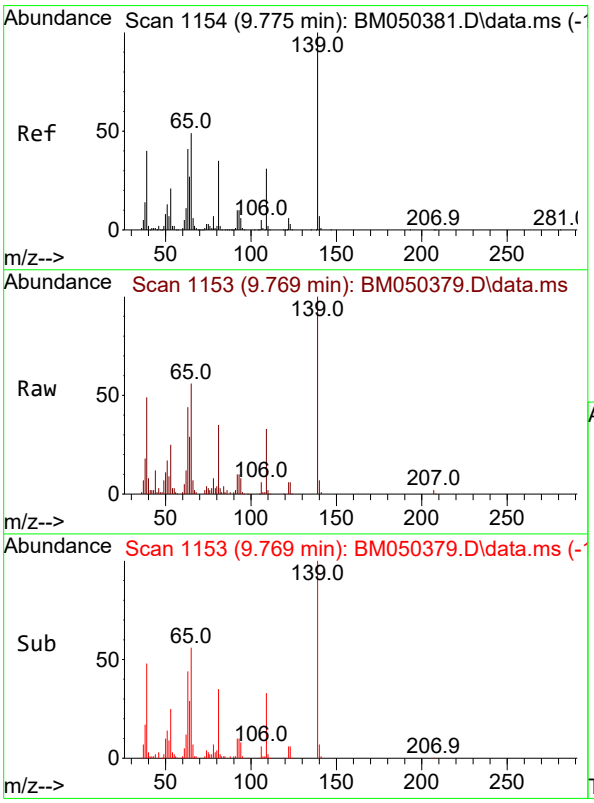
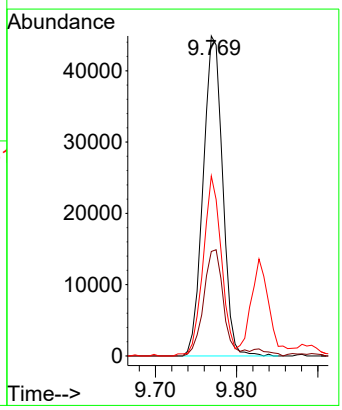
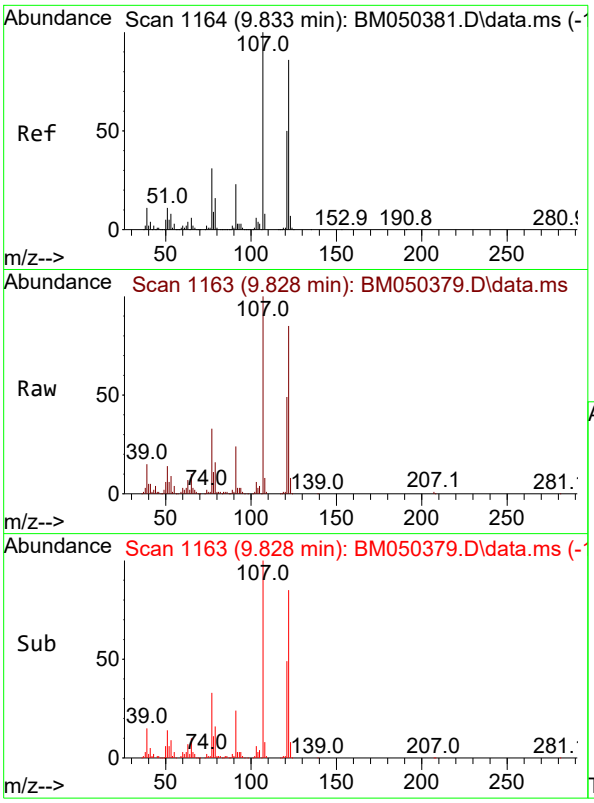



#26
2-Nitrophenol
Concen: 7.822 ng
RT: 9.769 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:139 Resp: 74836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.6 | 24.6 | 36.8 |
| 65 | 56.3 | 39.2 | 58.8 |

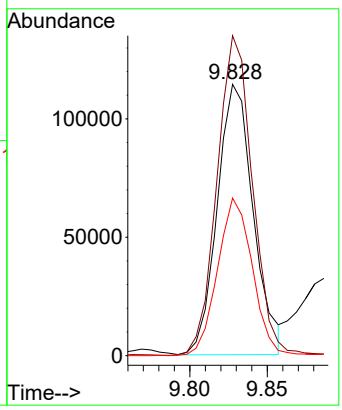





#27
2,4-Dimethylphenol
Concen: 9.073 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:122 Resp: 18471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 117.9 | 93.0 | 139.6 |
| 121 | 58.1 | 46.1 | 69.1 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

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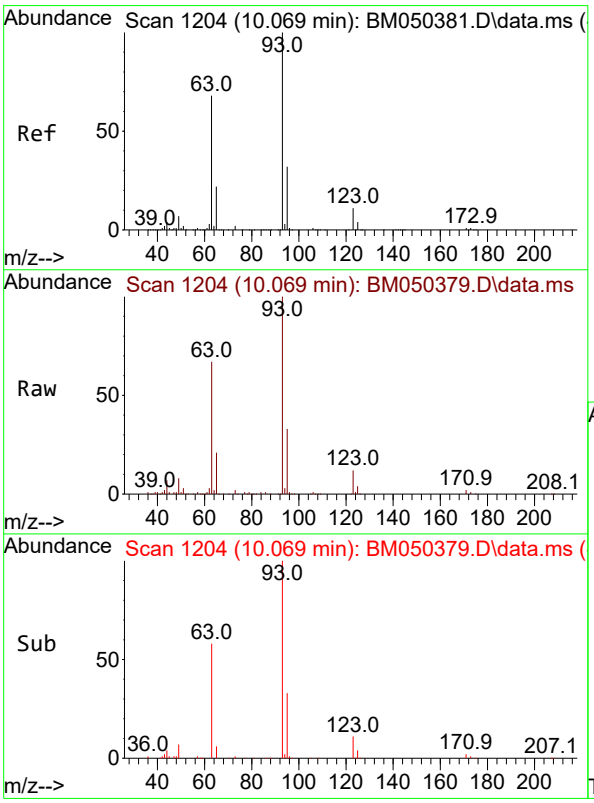
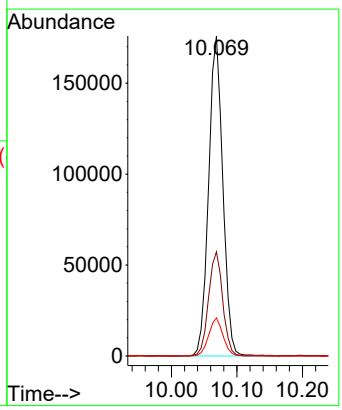
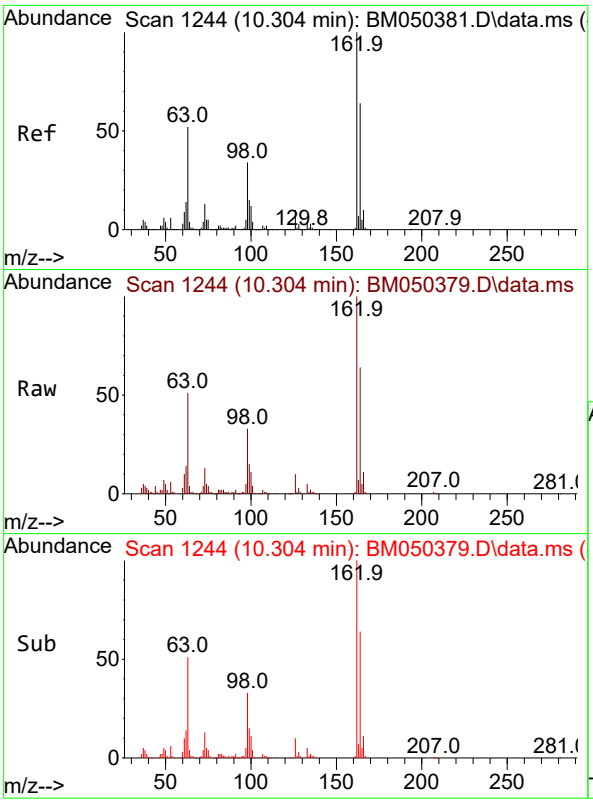



#28
bis(2-Chloroethoxy)methane
Concen: 9.361 ng
RT: 10.069 min Scan# 1204
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion: 93 Resp: 264798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.5 | 25.8 | 38.6 |
| 123 | 11.9 | 9.1 | 13.7 |

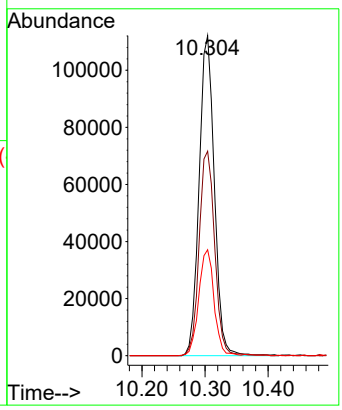





#29
2,4-Dichlorophenol
Concen: 8.961 ng
RT: 10.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:162 Resp: 18742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.9 | 43.7 | 83.7 |
| 98 | 33.1 | 13.7 | 53.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

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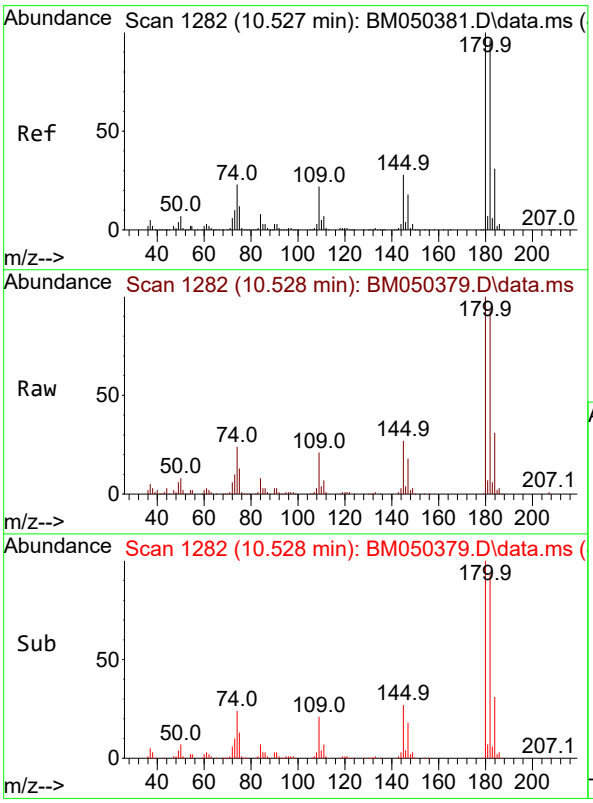
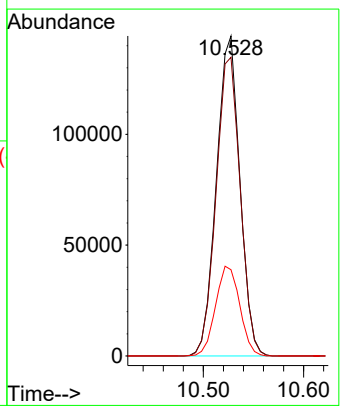
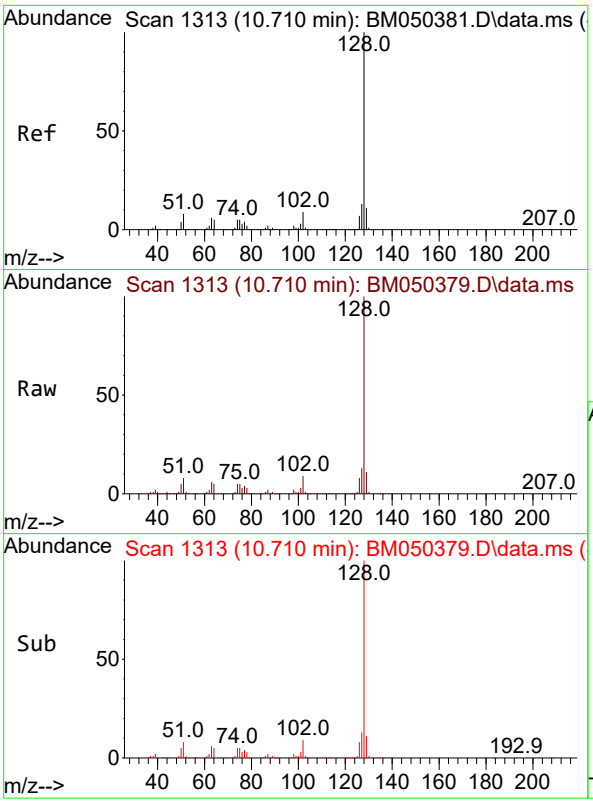



#30
1,2,4-Trichlorobenzene
Concen: 9.364 ng
RT: 10.528 min Scan# 1282
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:180 Resp: 234305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.4 | 76.8 | 115.2 |
| 145 | 27.0 | 22.6 | 33.8 |

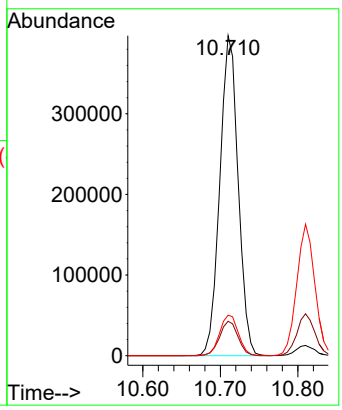





#31
Naphthalene
Concen: 9.593 ng
RT: 10.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:128 Resp: 65397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.7 | 8.8 | 13.2 |
| 127 | 12.7 | 10.4 | 15.6 |




**Instrument :**
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**ClientSampleId :**
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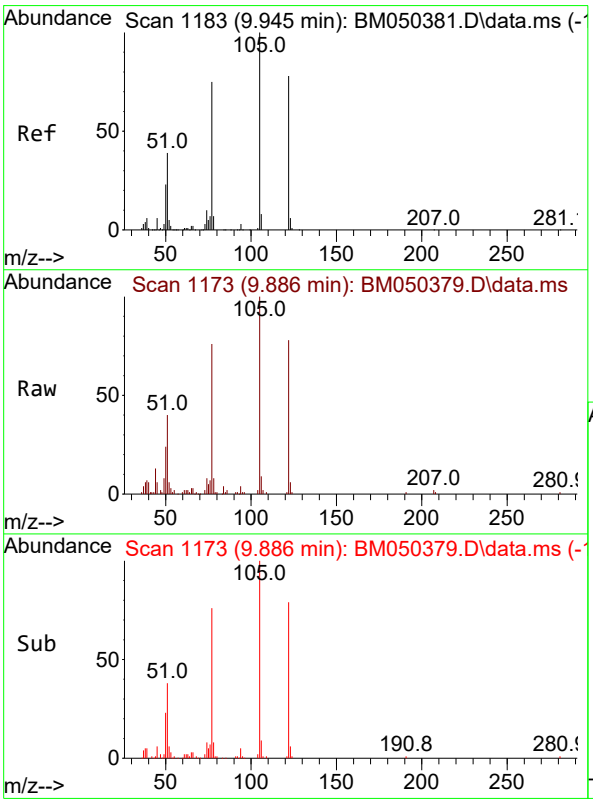
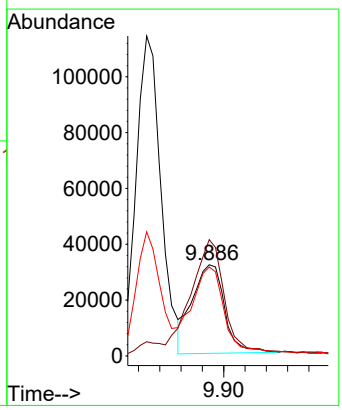
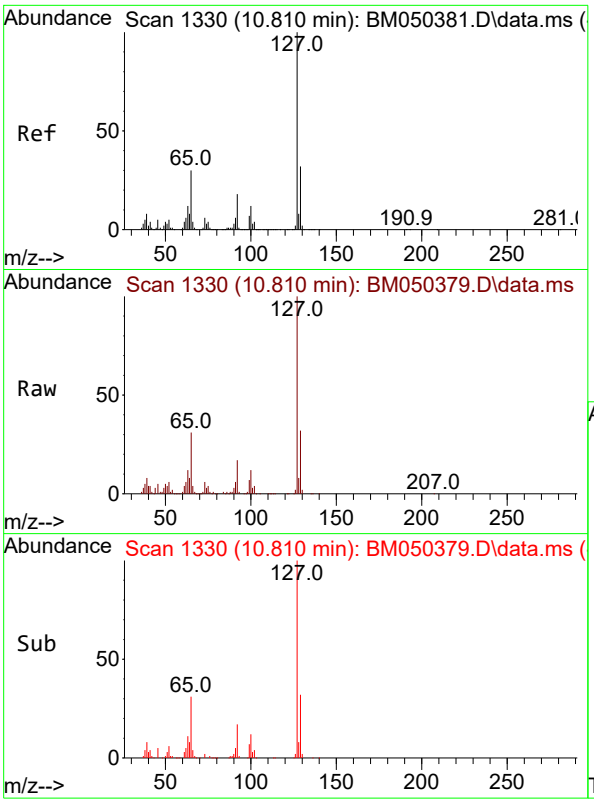



#32
Benzoic acid
Concen: 10.696 ng
RT: 9.886 min Scan# 1173
Delta R.T. -0.059 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:122 Resp: 67388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 127.5 | 104.0 | 144.0 |
| 77 | 97.5 | 73.8 | 113.8 |

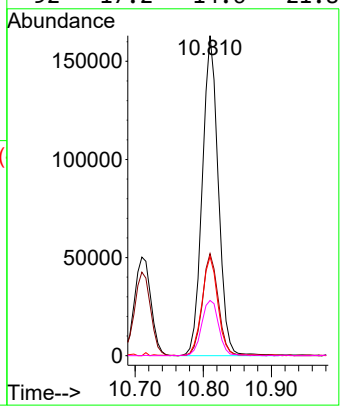





#33
4-Chloroaniline
Concen: 9.240 ng
RT: 10.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:127 Resp: 26630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.9 | 25.5 | 38.3 |
| 65 | 31.0 | 23.9 | 35.9 |
| 92 | 17.2 | 14.6 | 21.8 |

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BNA_M
**ClientSampleId :**
SSTDICC010

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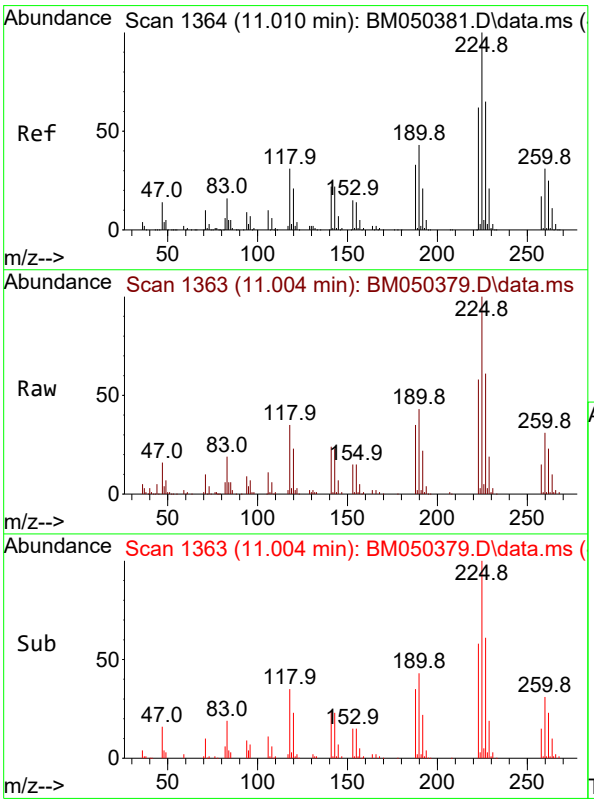
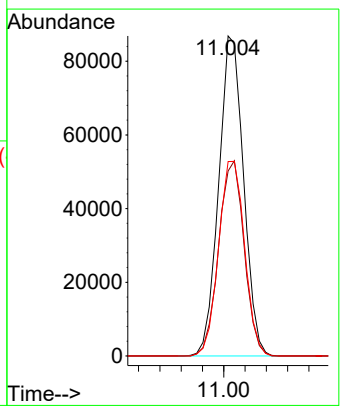
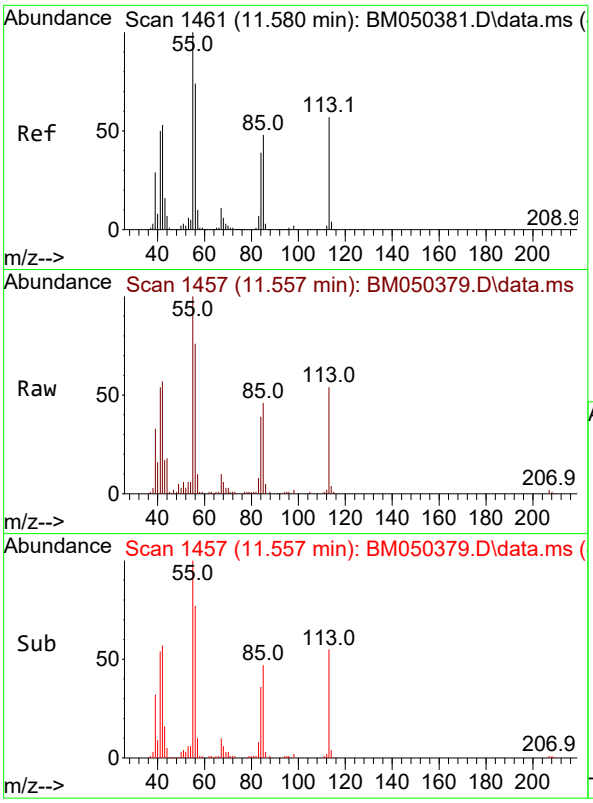



#34
Hexachlorobutadiene
Concen: 9.205 ng
RT: 11.004 min Scan# 1363
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:225 Resp: 140567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 57.8 | 49.7 | 74.5 |
| 227 | 60.8 | 52.1 | 78.1 |






#35
Caprolactam
Concen: 7.474 ng
RT: 11.557 min Scan# 14
Delta R.T. -0.023 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:113 Resp: 4267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 184.1 | 157.2 | 197.2 |
| 56 | 140.5 | 111.7 | 151.7 |

**Instrument :**
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**ClientSampleId :**
SSTDICC010

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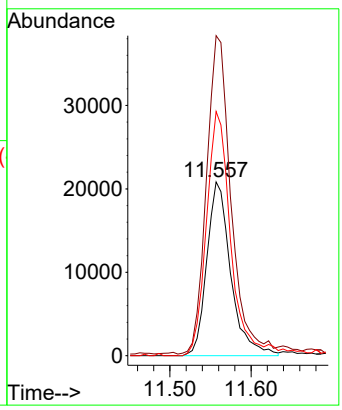
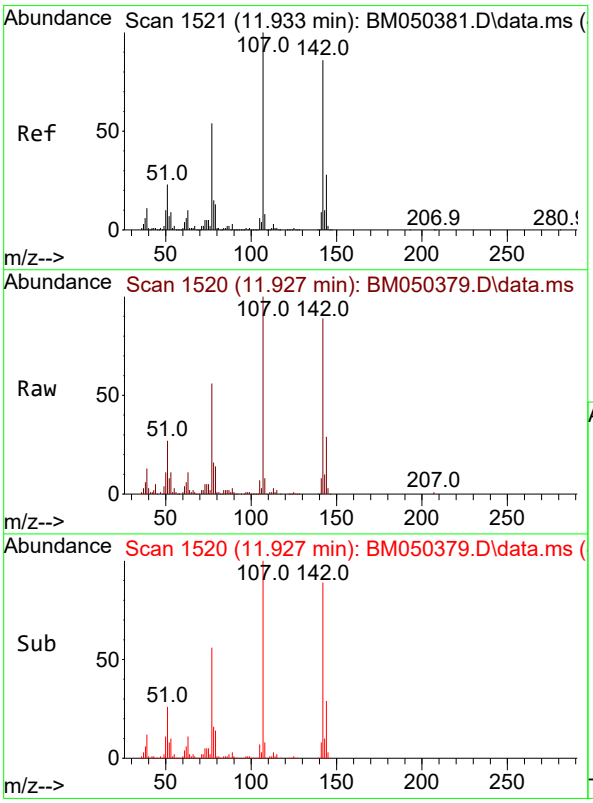
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

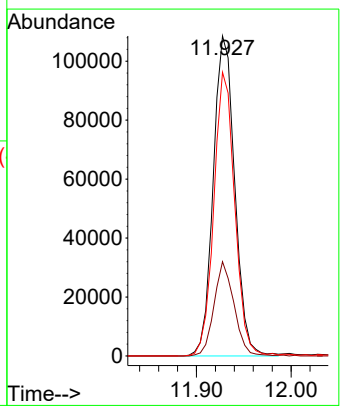


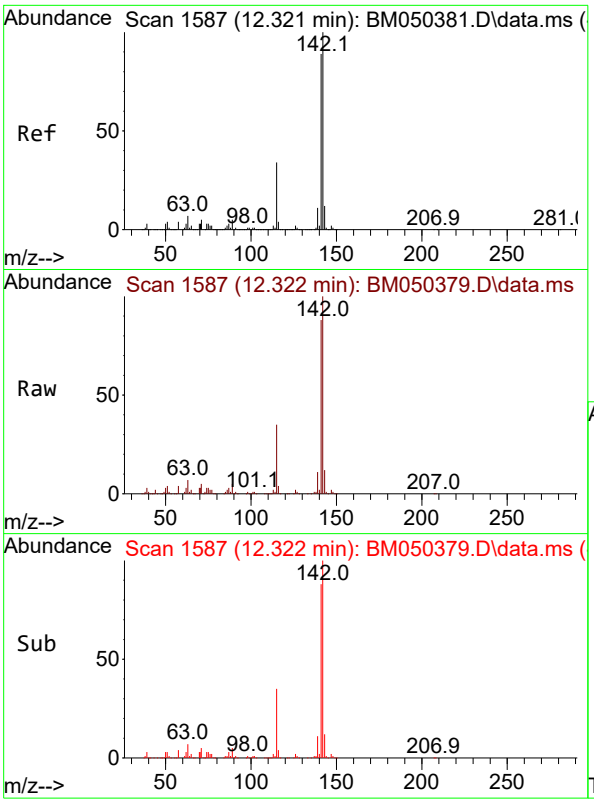




#36
4-Chloro-3-methylphenol
Concen: 8.781 ng
RT: 11.927 min Scan# 1520
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:107 Resp: 171511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 29.5 | 22.2 | 33.4 |
| 142 | 88.7 | 68.7 | 103.1 |

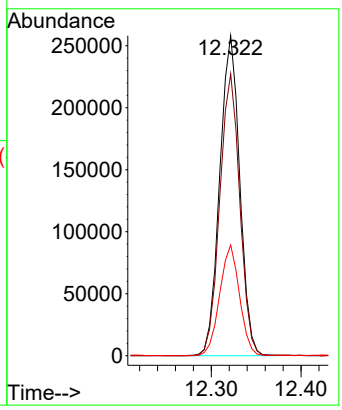





#37
2-Methylnaphthalene
Concen: 9.283 ng
RT: 12.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:142 Resp: 39956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.0 | 70.8 | 106.2 |
| 115 | 34.6 | 27.0 | 40.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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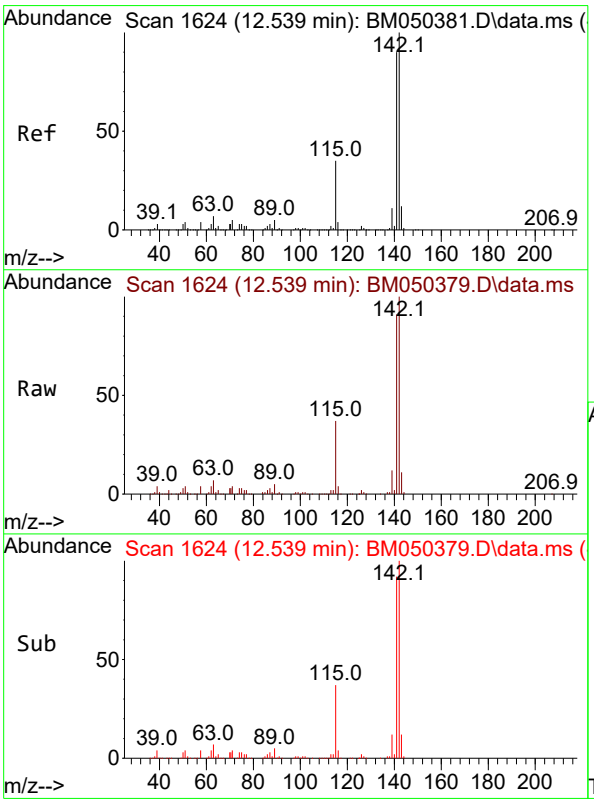
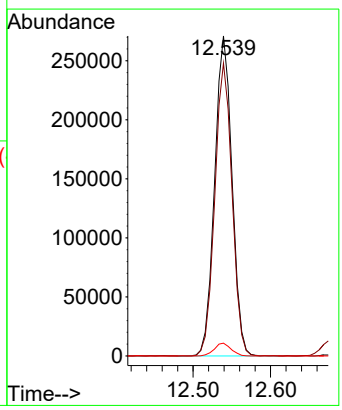
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

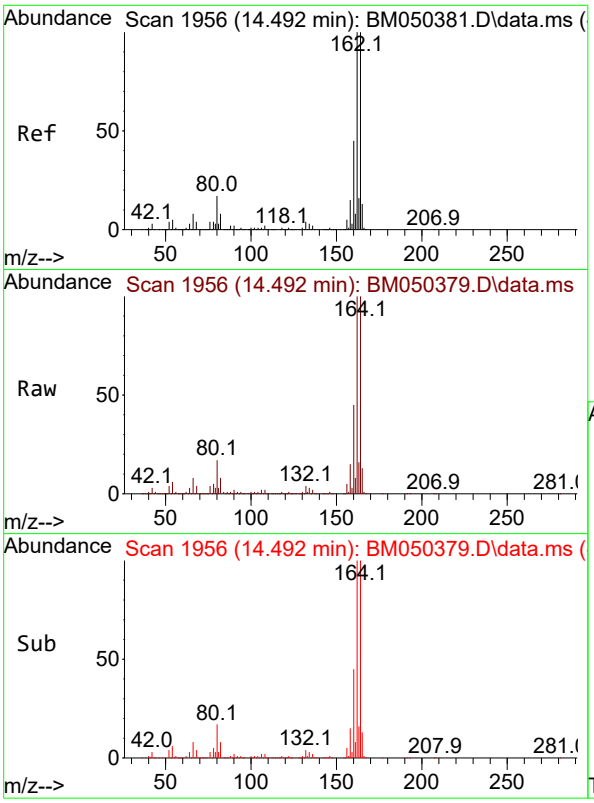



#38
1-Methylnaphthalene
Concen: 9.267 ng
RT: 12.539 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:142 Resp: 422148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.5 | 71.9 | 107.9 |
| 116 | 4.0 | 3.0 | 4.6 |

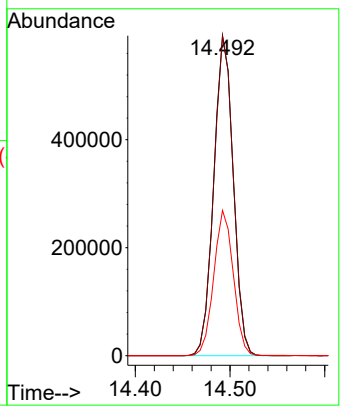





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:164 Resp: 84624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.9 | 79.9 | 119.9 |
| 160 | 45.4 | 36.2 | 54.4 |




**Instrument :**
BNA_M
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SSTDICC010

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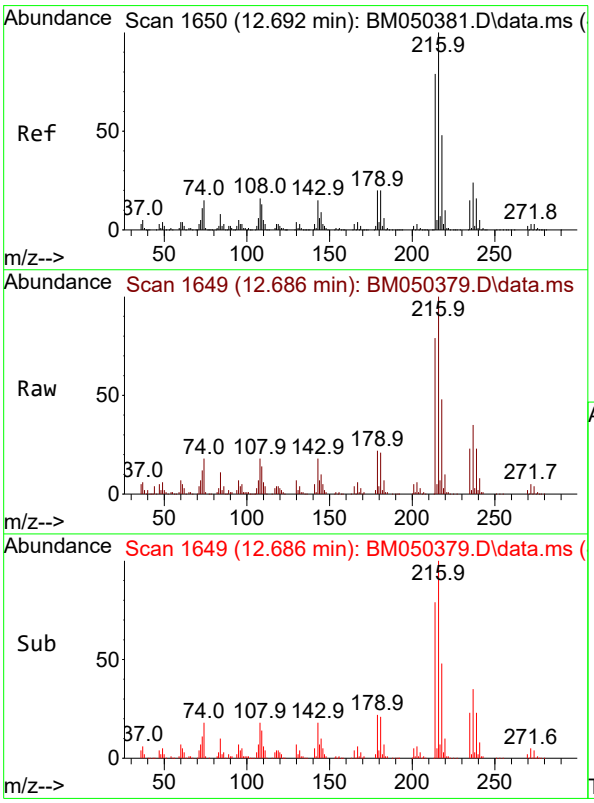
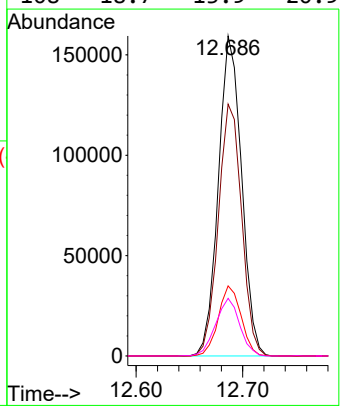
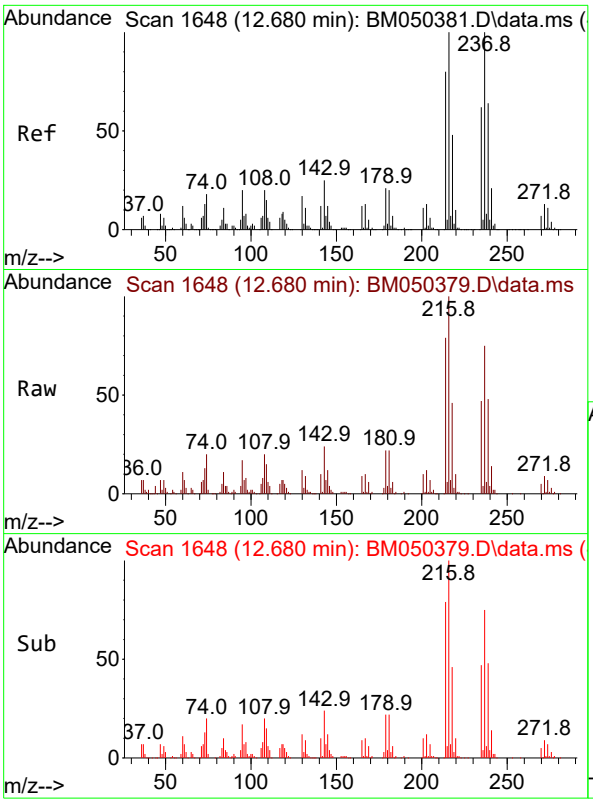



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.952 ng
RT: 12.686 min Scan# 1649
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:216 Resp: 240904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.9 | 63.3 | 94.9 |
| 179 | 21.5 | 16.4 | 24.6 |
| 108 | 18.7 | 13.9 | 20.9 |

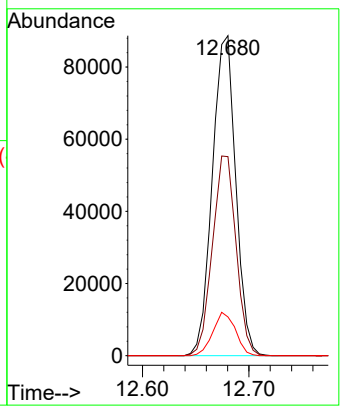





#41
Hexachlorocyclopentadiene
Concen: 7.881 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:237 Resp: 13557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.2 | 42.3 | 82.3 |
| 272 | 12.1 | 0.0 | 33.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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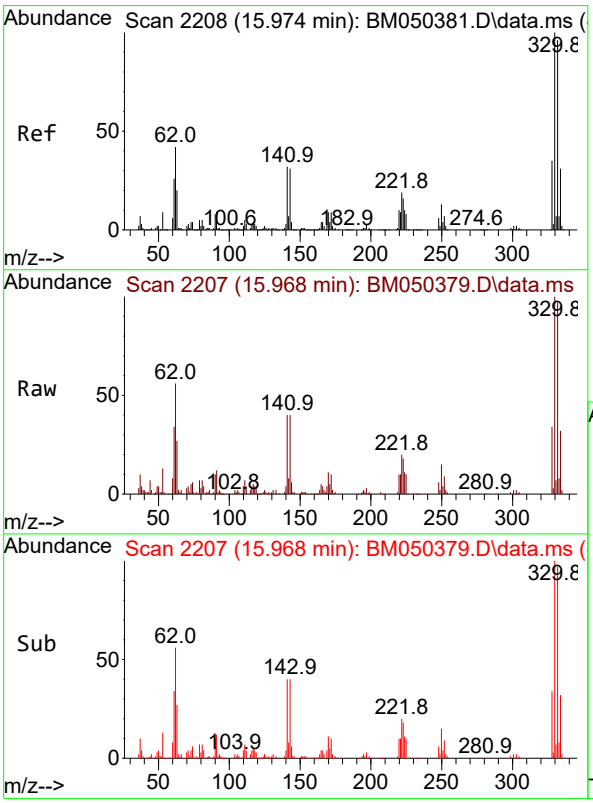
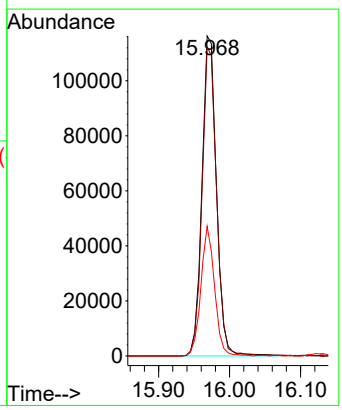
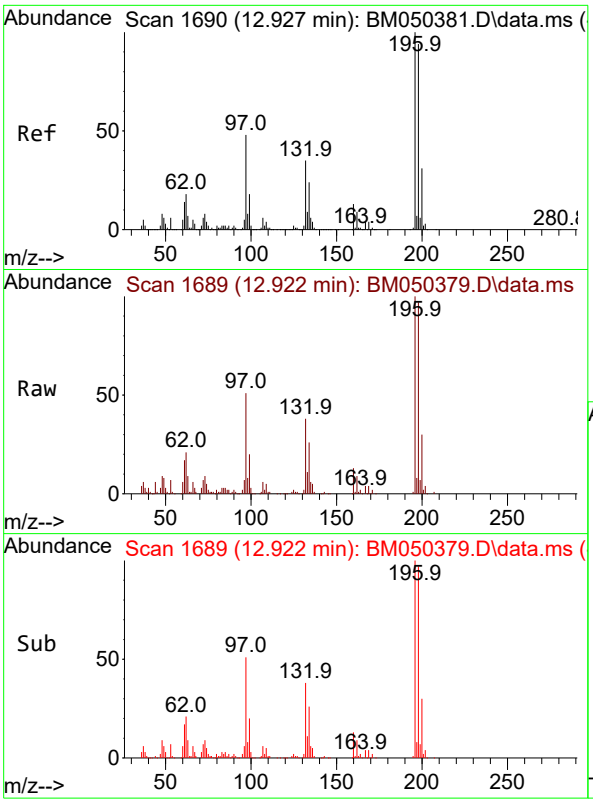



#42
2,4,6-Tribromophenol
Concen: 16.086 ng
RT: 15.968 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:330 Resp: 165401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.2 | 76.9 | 115.3 |
| 141 | 38.3 | 27.4 | 41.0 |

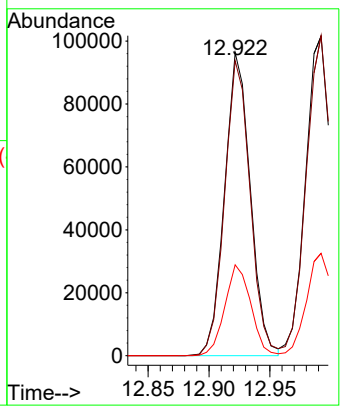





#43
2,4,6-Trichlorophenol
Concen: 8.560 ng
RT: 12.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:196 Resp: 14179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 97.3 | 75.1 | 112.7 |
| 200 | 30.0 | 24.6 | 37.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

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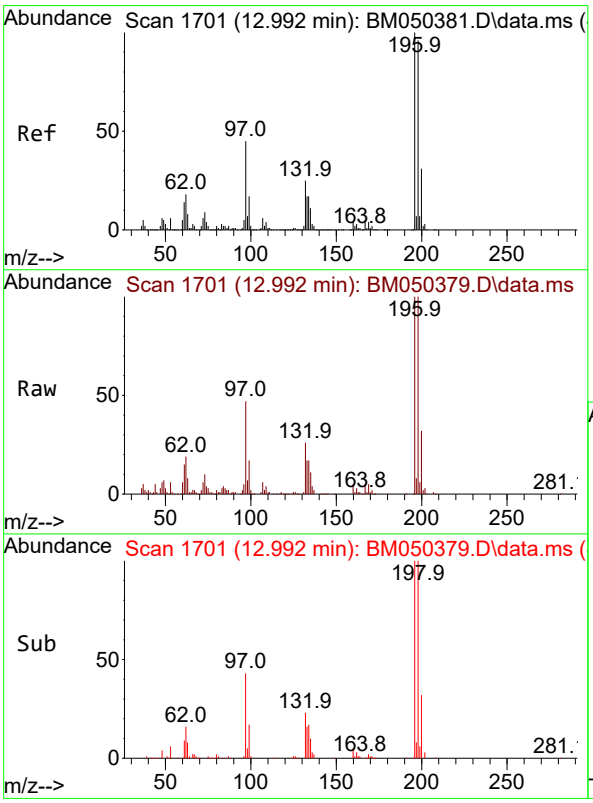
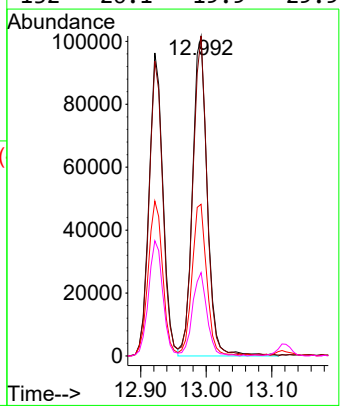
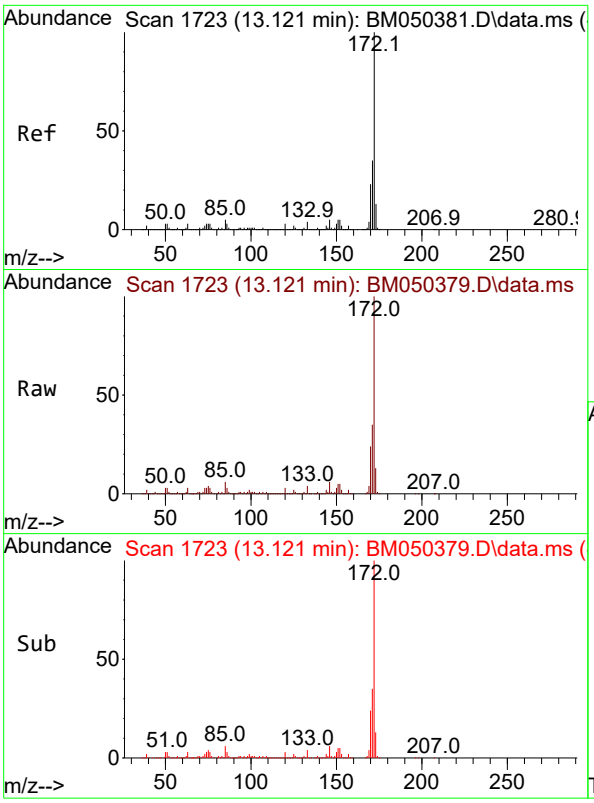



#44
2,4,5-Trichlorophenol
Concen: 8.792 ng
RT: 12.992 min Scan# 1701
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:196 Resp: 159049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.1 | 77.2 | 115.8 |
| 97 | 47.5 | 36.2 | 54.4 |
| 132 | 26.1 | 19.9 | 29.9 |

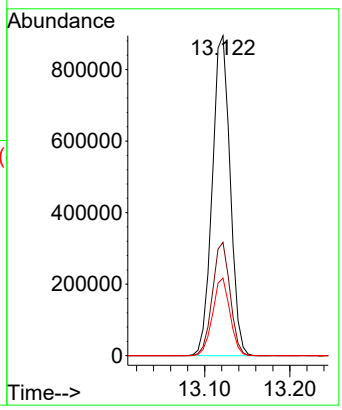





#45
2-Fluorobiphenyl
Concen: 18.996 ng
RT: 13.121 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:172 Resp: 130171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 27.7 | 41.5 |
| 170 | 24.3 | 18.8 | 28.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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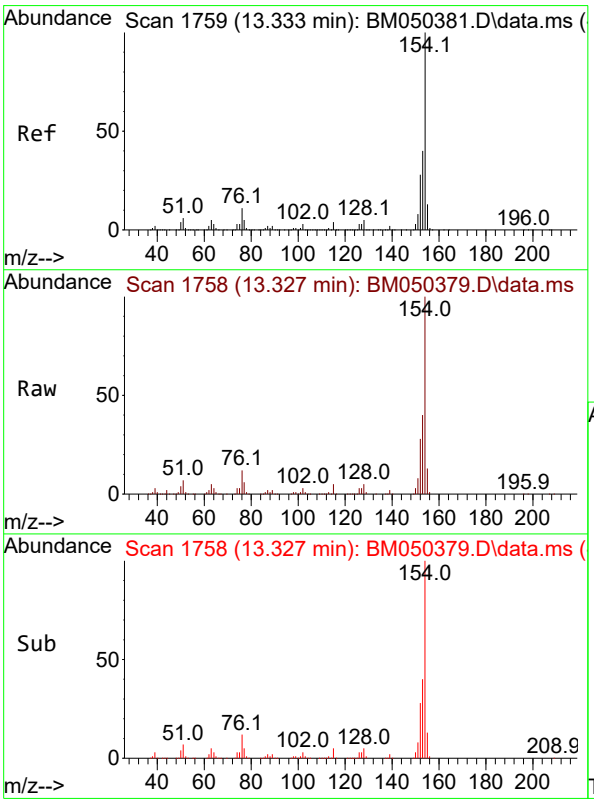
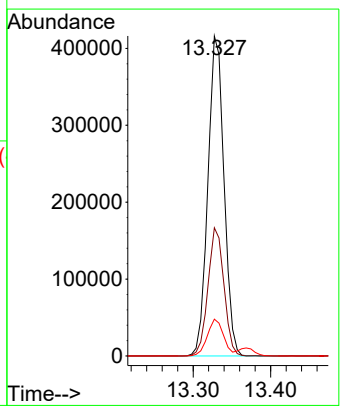
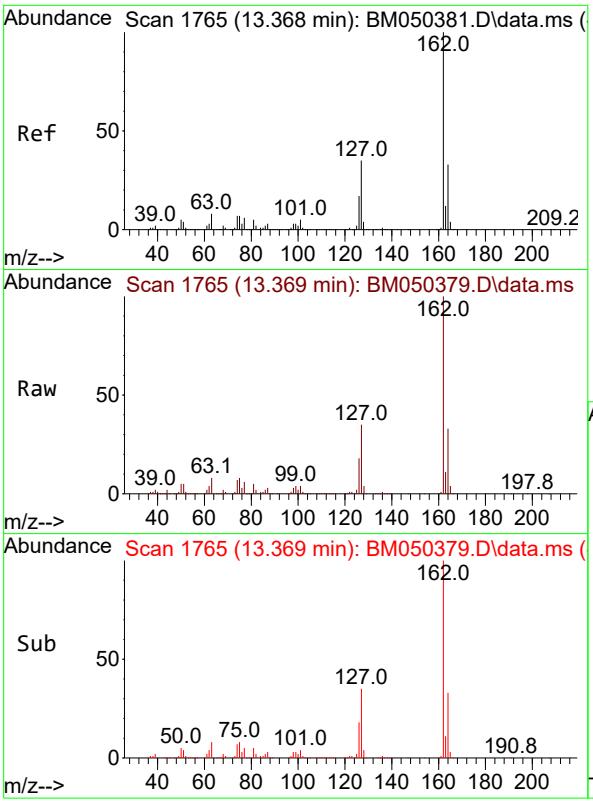



#46
1,1'-Biphenyl
Concen: 9.562 ng
RT: 13.327 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:154 Resp: 600373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.0 | 19.7 | 59.7 |
| 76 | 11.5 | 0.0 | 30.9 |

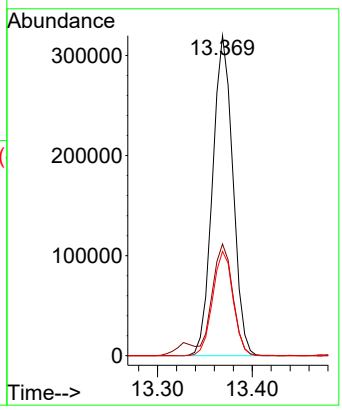





#47
2-Chloronaphthalene
Concen: 9.519 ng
RT: 13.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:162 Resp: 47653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 34.9 | 28.3 | 42.5 |
| 164 | 32.6 | 26.6 | 40.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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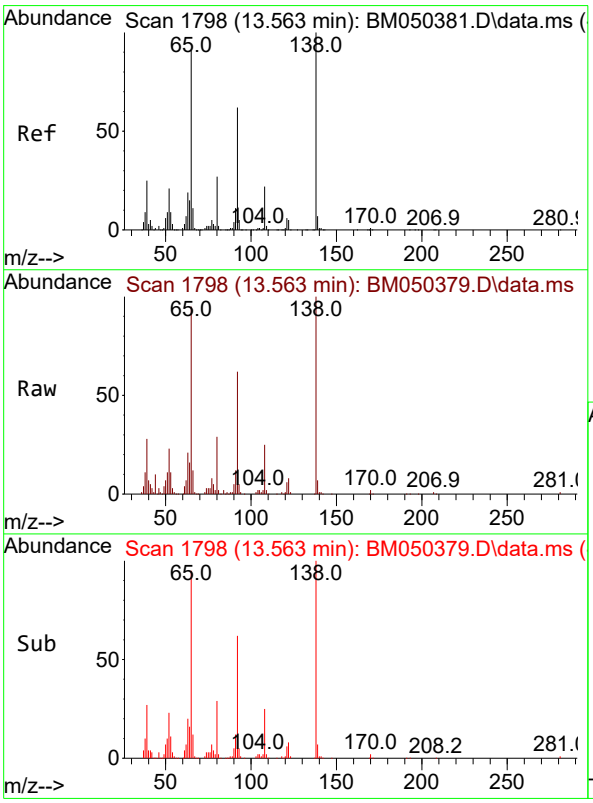
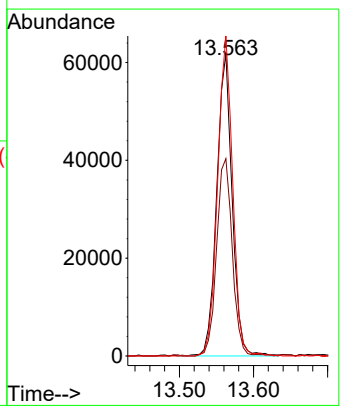
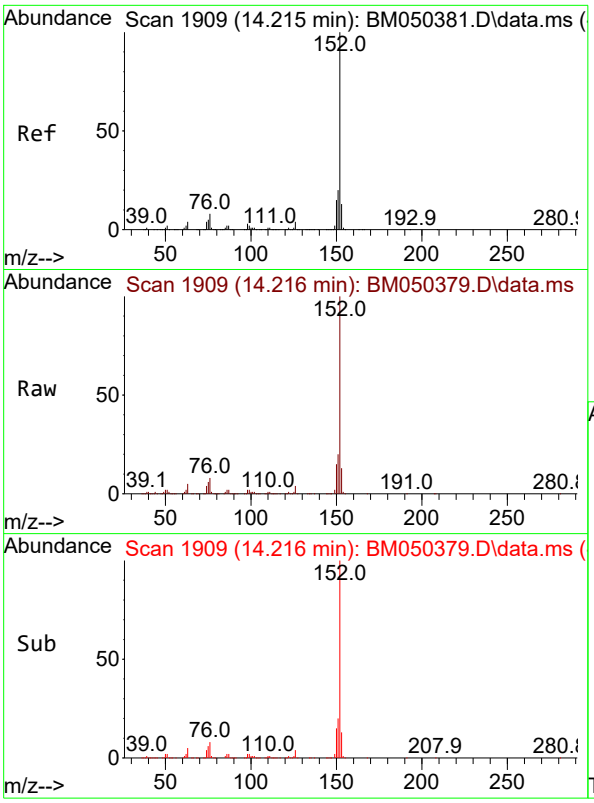



#48
2-Nitroaniline
Concen: 7.982 ng
RT: 13.563 min Scan# 1798
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion: 65 Resp: 89190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 65.2 | 54.3 | 81.5 |
| 138 | 105.8 | 87.8 | 131.6 |

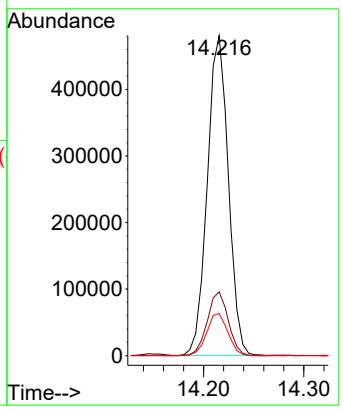





#49
Acenaphthylene
Concen: 9.273 ng
RT: 14.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:152 Resp: 70153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.0 | 16.3 | 24.5 |
| 153 | 13.2 | 10.6 | 15.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

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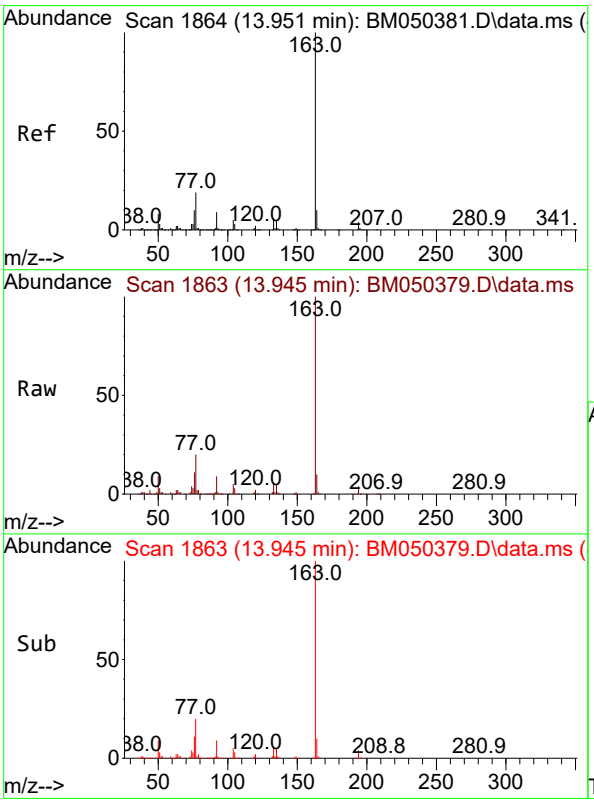
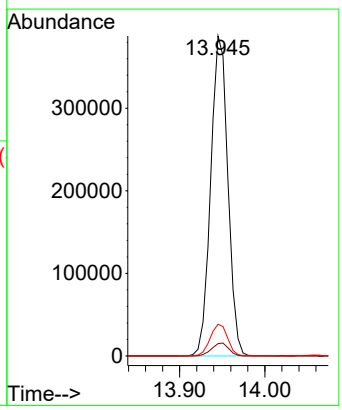
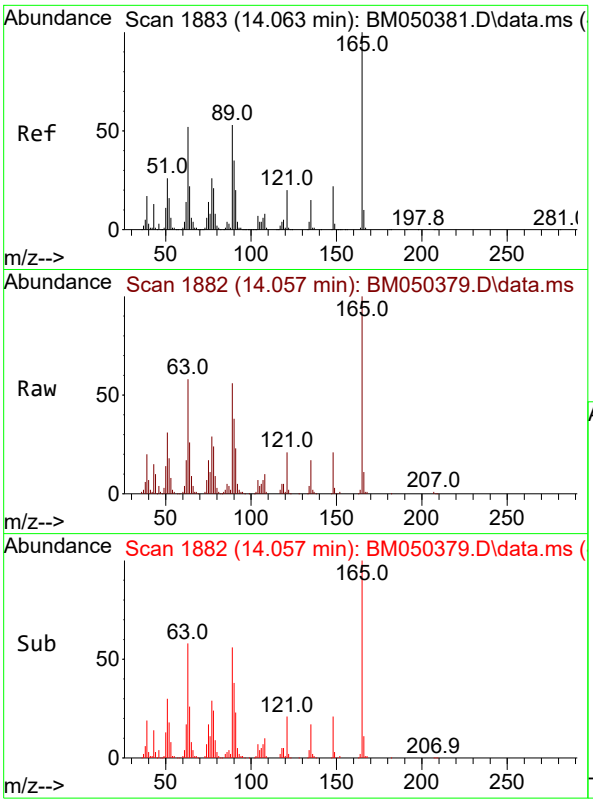



#50
Dimethylphthalate
Concen: 9.331 ng
RT: 13.945 min Scan# 1863
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:163 Resp: 543665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.4 | 5.2 |
| 164 | 9.9 | 8.2 | 12.2 |






#51
2,6-Dinitrotoluene
Concen: 8.468 ng
RT: 14.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:165 Resp: 9472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 58.2 | 42.4 | 63.6 |
| 89 | 56.2 | 42.2 | 63.2 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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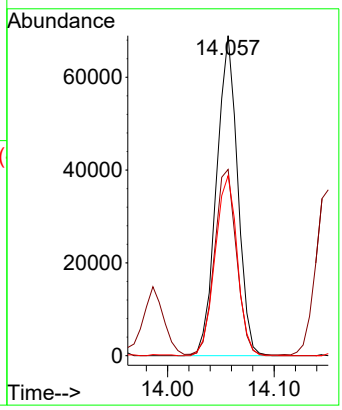
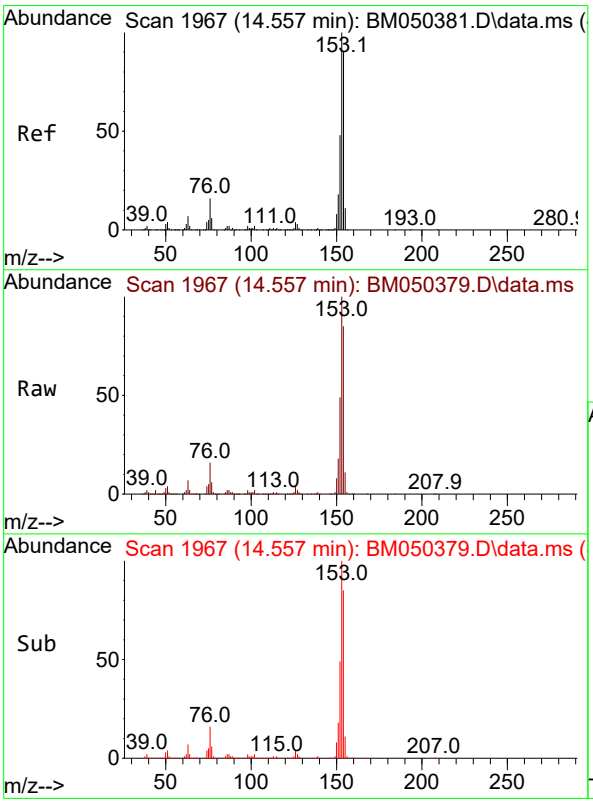
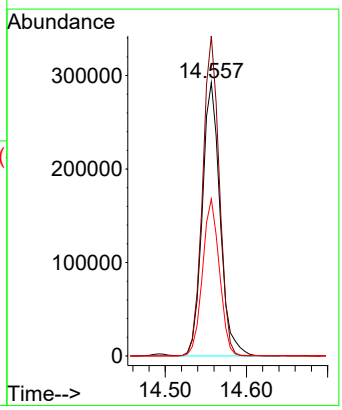


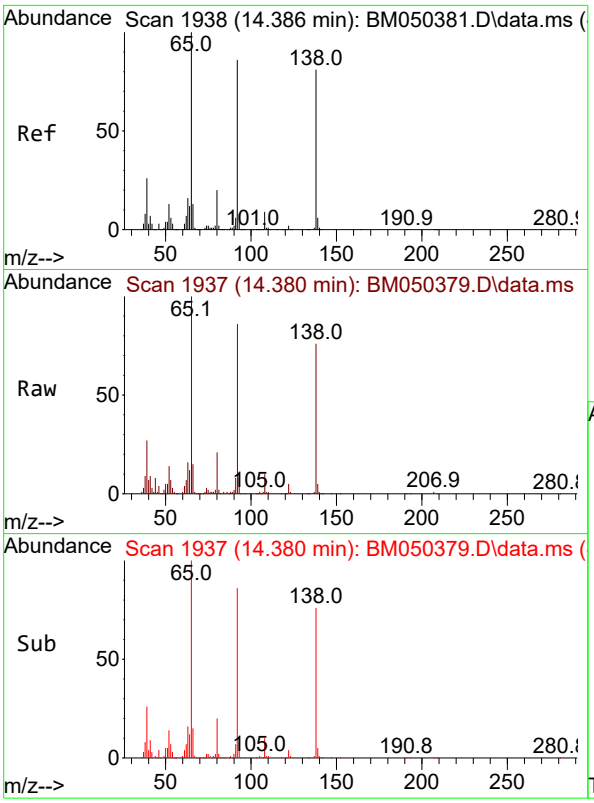




#52
Acenaphthene
Concen: 9.236 ng
RT: 14.557 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:154 Resp: 444228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 117.1 | 89.2 | 133.8 |
| 152 | 57.5 | 42.6 | 64.0 |






#53
3-Nitroaniline
Concen: 8.223 ng
RT: 14.380 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:138 Resp: 9782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 13.8 | 8.8 | 13.2 |
| 92 | 113.5 | 85.0 | 127.6 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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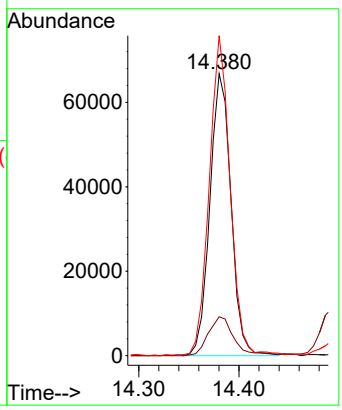
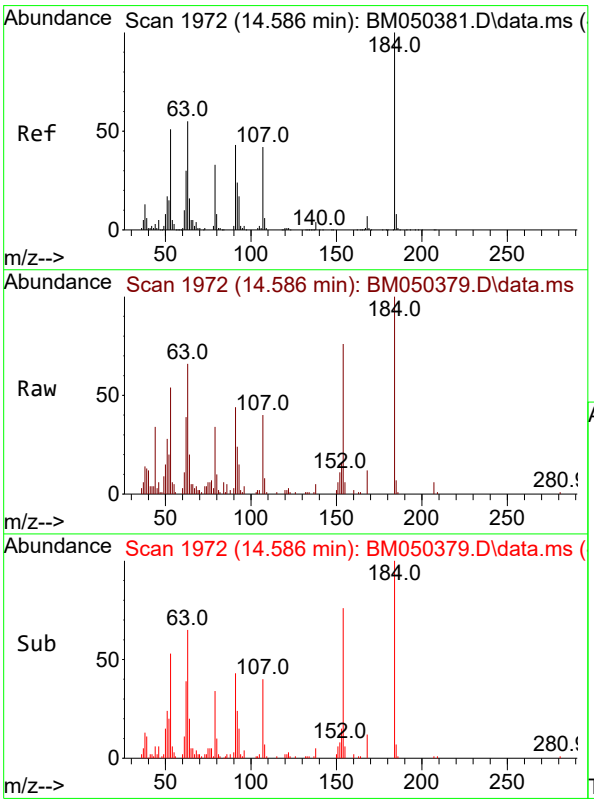
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

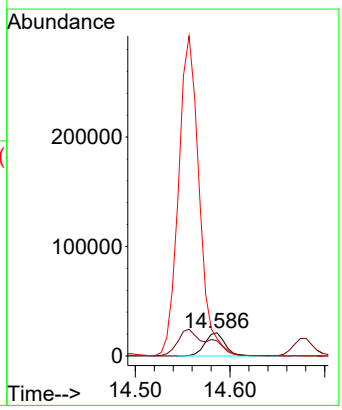


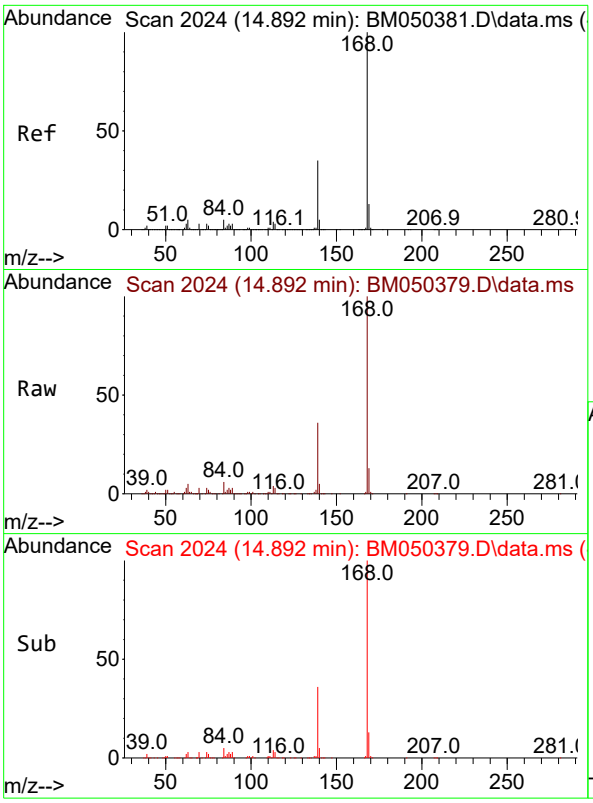




#54
2,4-Dinitrophenol
Concen: 11.045 ng
RT: 14.586 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:184 Resp: 31123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 65.7 | 53.4 | 80.0 |
| 154 | 76.0 | 61.6 | 92.4 |

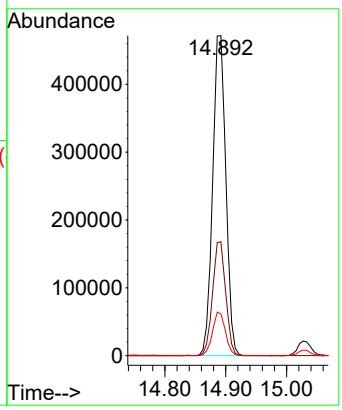





#55
Dibenzofuran
Concen: 9.555 ng
RT: 14.892 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:168 Resp: 70815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 35.6 | 27.7 | 41.5 |
| 169 | 13.0 | 10.7 | 16.1 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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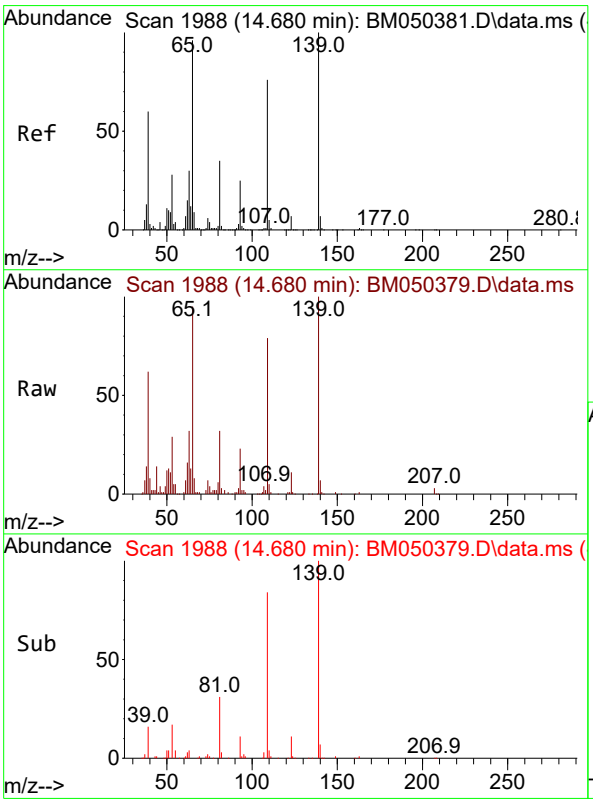
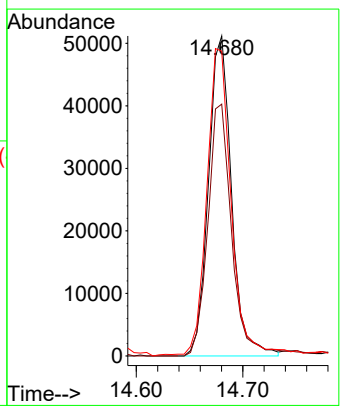
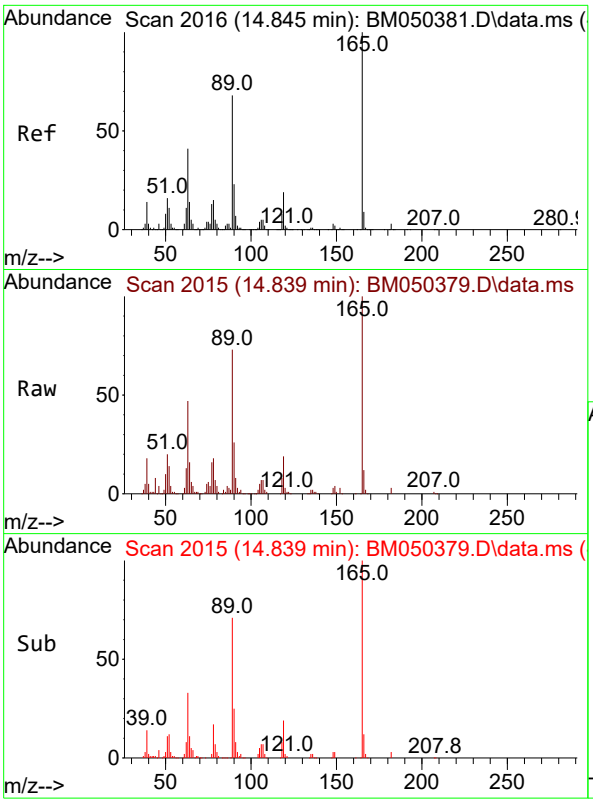



#56
4-Nitrophenol
Concen: 7.515 ng
RT: 14.680 min Scan# 1988
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:139 Resp: 76886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 78.7 | 56.5 | 96.5 |
| 65 | 95.3 | 76.4 | 116.4 |

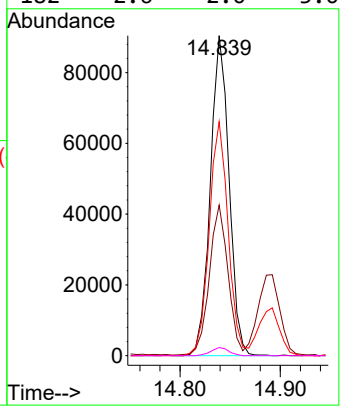





#57
2,4-Dinitrotoluene
Concen: 9.325 ng
RT: 14.839 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:165 Resp: 11719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 47.1 | 32.5 | 48.7 |
| 89 | 73.1 | 54.0 | 81.0 |
| 182 | 2.6 | 2.0 | 3.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

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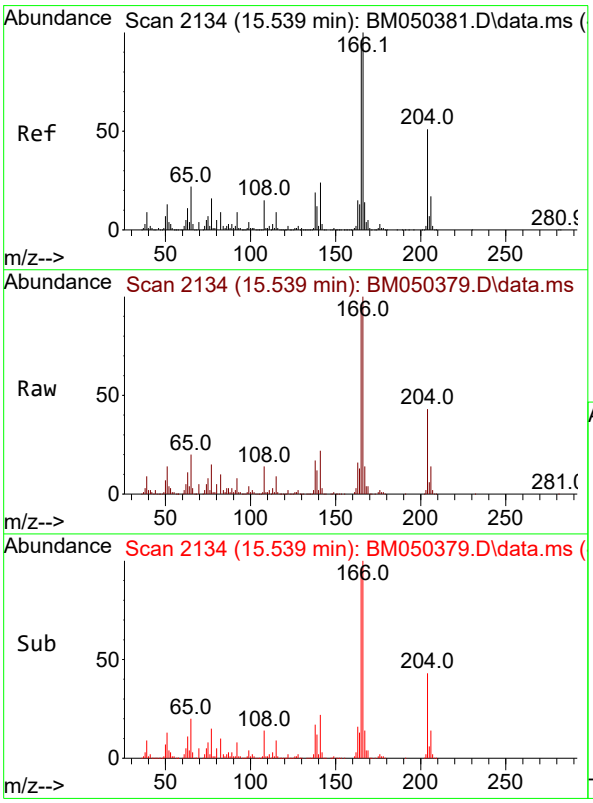
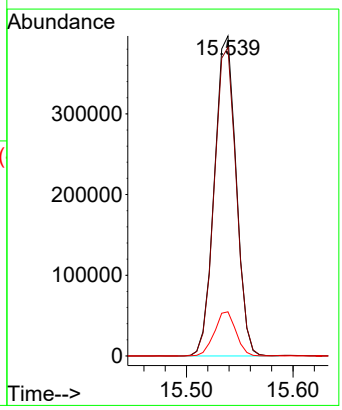
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

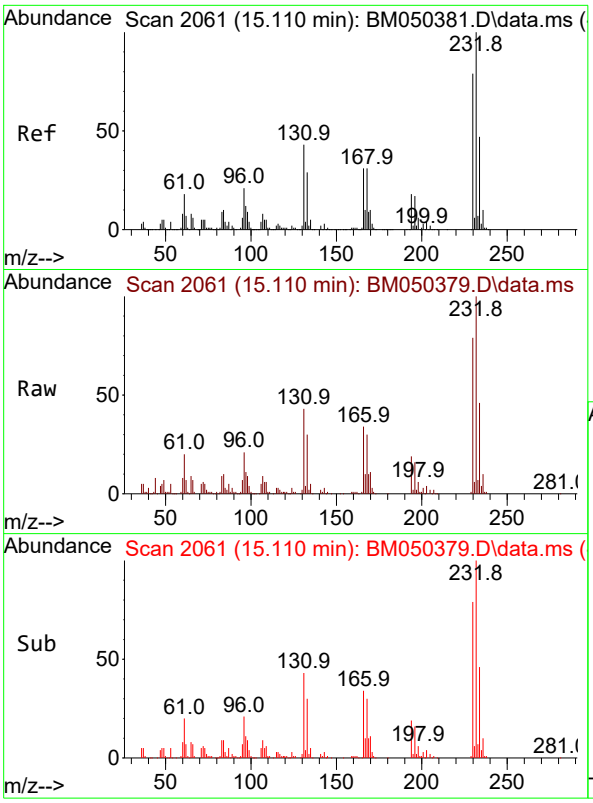



#58
Fluorene
Concen: 9.208 ng
RT: 15.539 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:166 Resp: 562098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.4 | 77.0 | 115.6 |
| 167 | 13.8 | 10.9 | 16.3 |

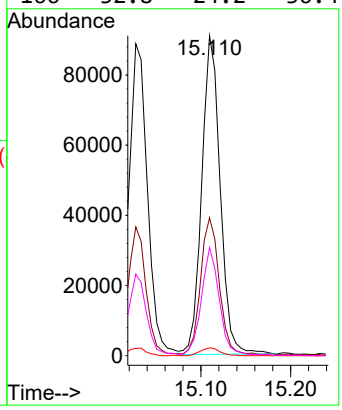





#59
2,3,4,6-Tetrachlorophenol
Concen: 8.509 ng
RT: 15.110 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:232 Resp: 12959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 43.3 | 33.4 | 50.0 |
| 130 | 2.6 | 1.8 | 2.6 |
| 166 | 32.8 | 24.2 | 36.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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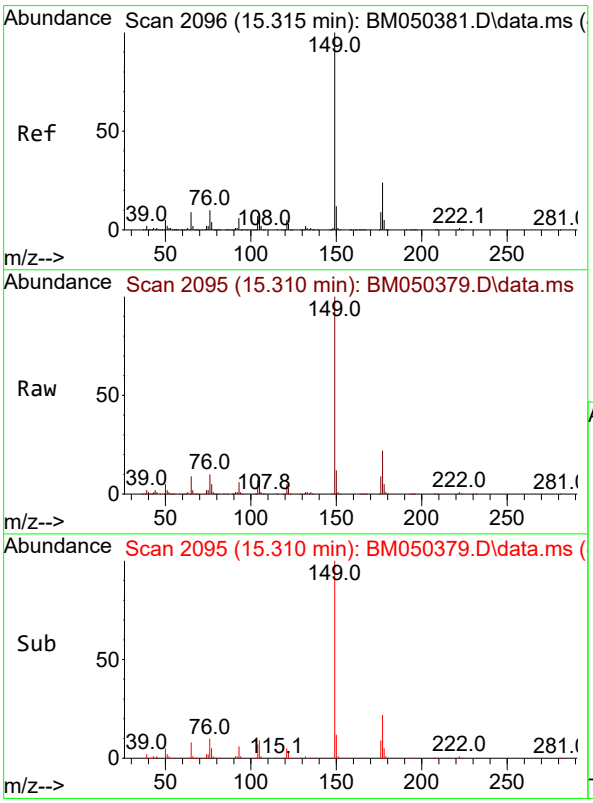
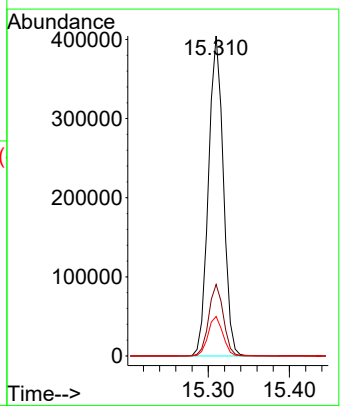
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

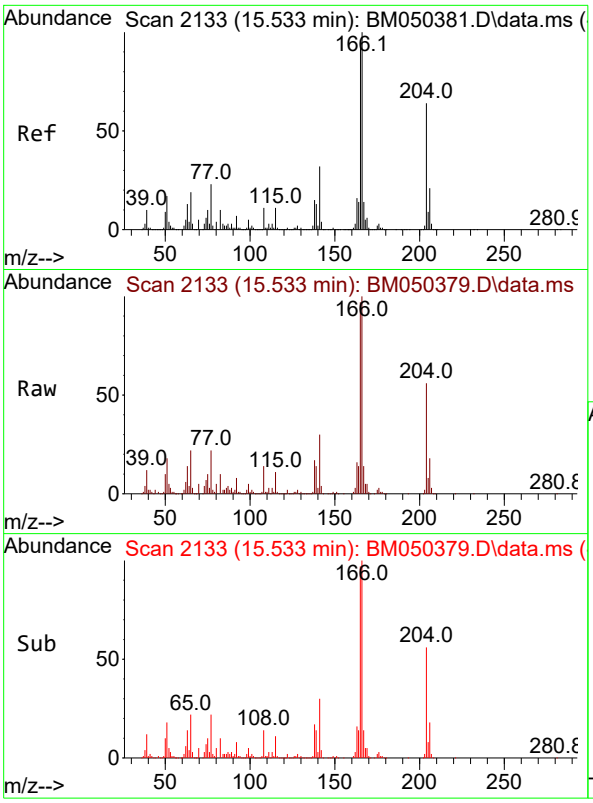



#60
Diethylphthalate
Concen: 9.200 ng
RT: 15.310 min Scan# 2095
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:149 Resp: 512043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.3 | 18.8 | 28.2 |
| 150 | 12.3 | 9.8 | 14.8 |

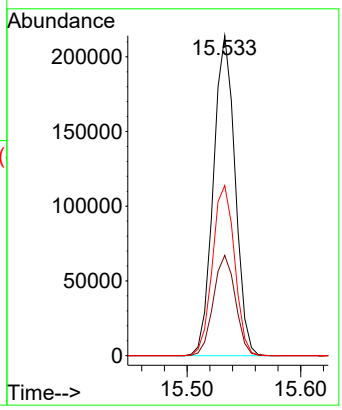





#61
4-Chlorophenyl-phenylether
Concen: 8.918 ng
RT: 15.533 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:204 Resp: 28465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 31.3 | 26.6 | 39.8 |
| 141 | 53.1 | 39.9 | 59.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**
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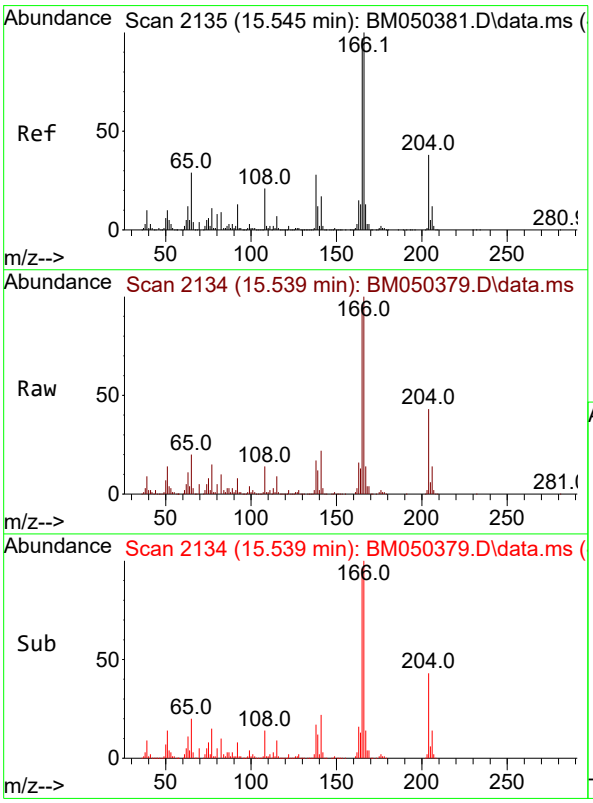
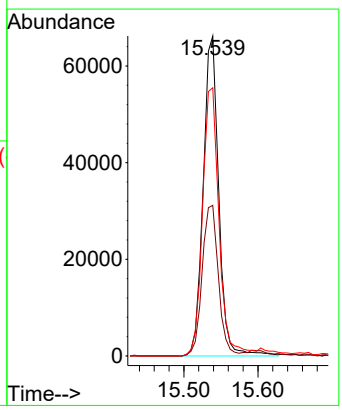
Supervised By :Jagrut Upadhyay 07/09/2025

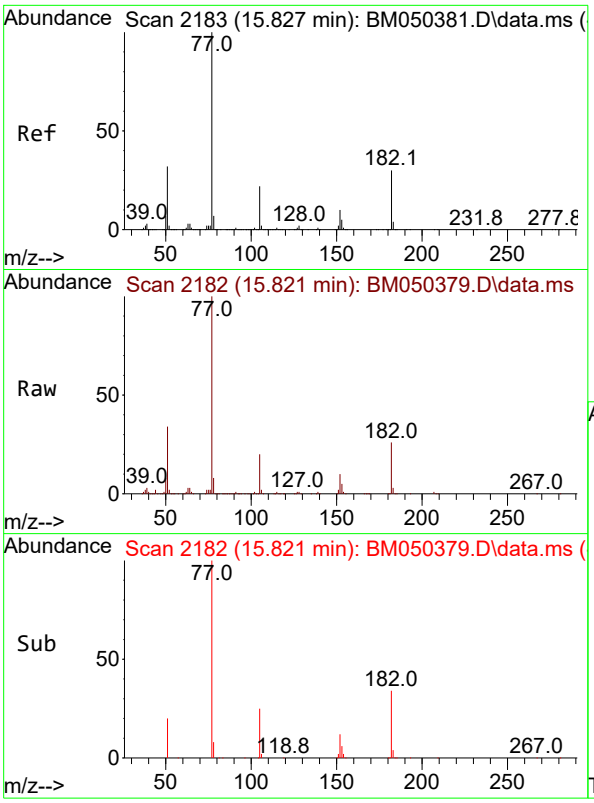



#62
4-Nitroaniline
Concen: 9.259 ng
RT: 15.539 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:138 Resp: 96460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 47.1 | 24.5 | 64.5 |
| 108 | 83.8 | 52.5 | 92.5 |

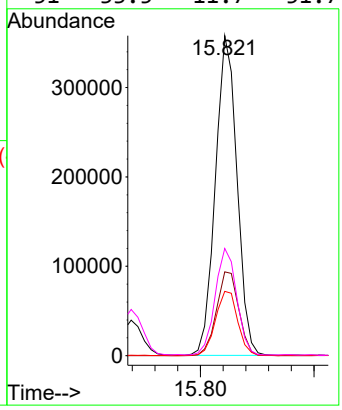





#63
Azobenzene
Concen: 9.239 ng
RT: 15.821 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion: 77 Resp: 47216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.2 | 10.0 | 50.0 |
| 105 | 20.1 | 2.0 | 42.0 |
| 51 | 33.5 | 11.7 | 51.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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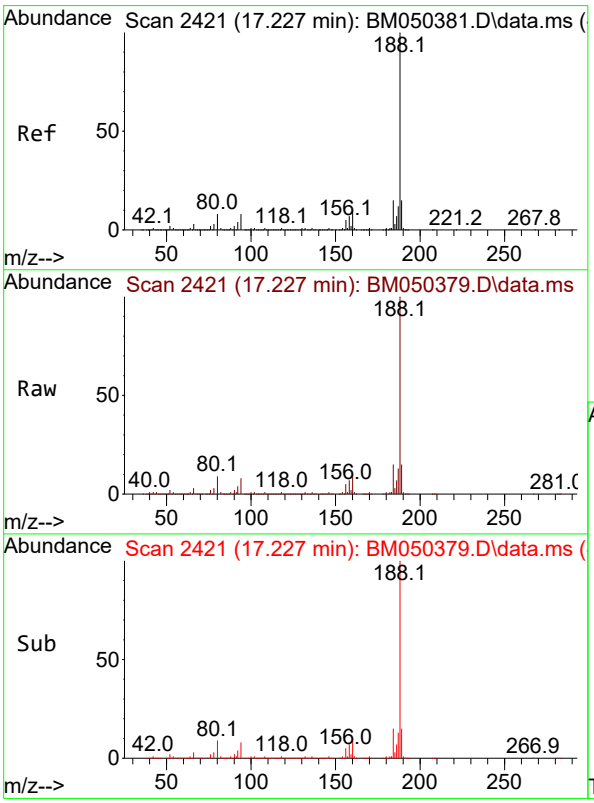
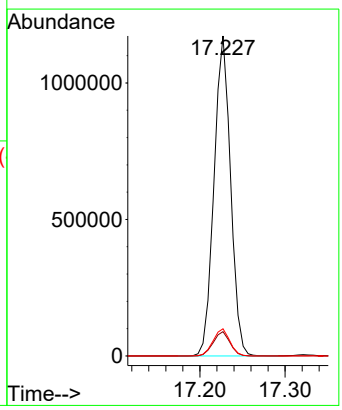
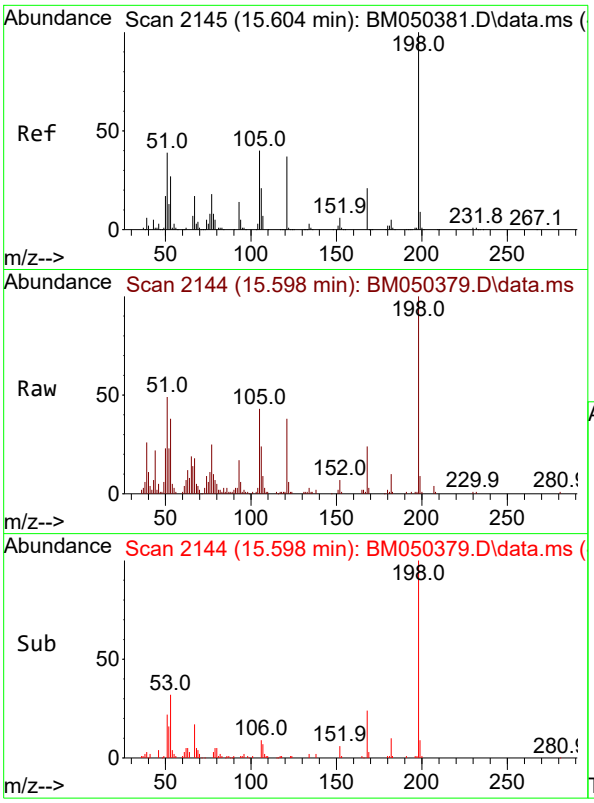



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2421
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:188 Resp: 1580349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.6 | 6.0 | 9.0 |
| 80 | 8.5 | 6.5 | 9.7 |






#65
4,6-Dinitro-2-methylphenol
Concen: 10.934 ng
RT: 15.598 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:198 Resp: 4530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 48.7 | 26.6 | 66.6 |
| 105 | 42.6 | 20.9 | 60.9 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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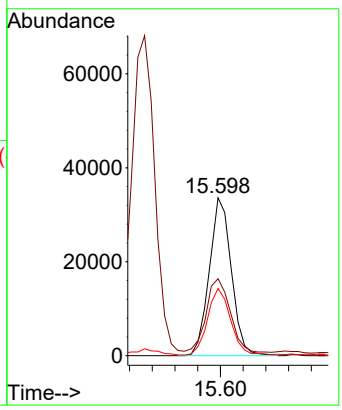
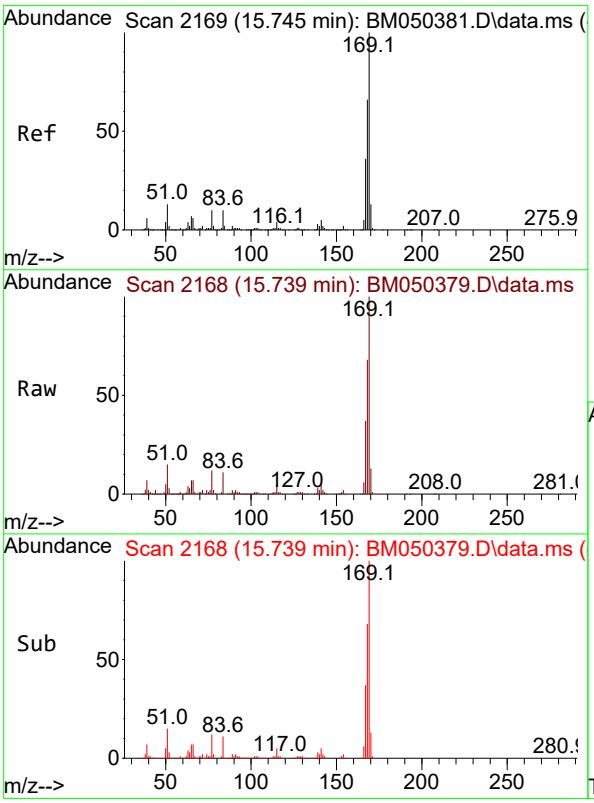
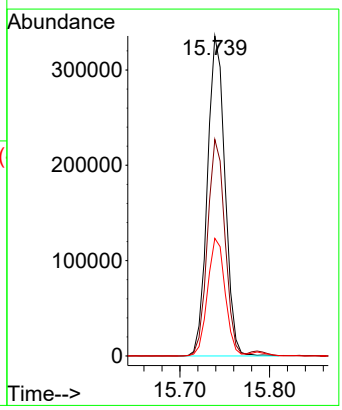


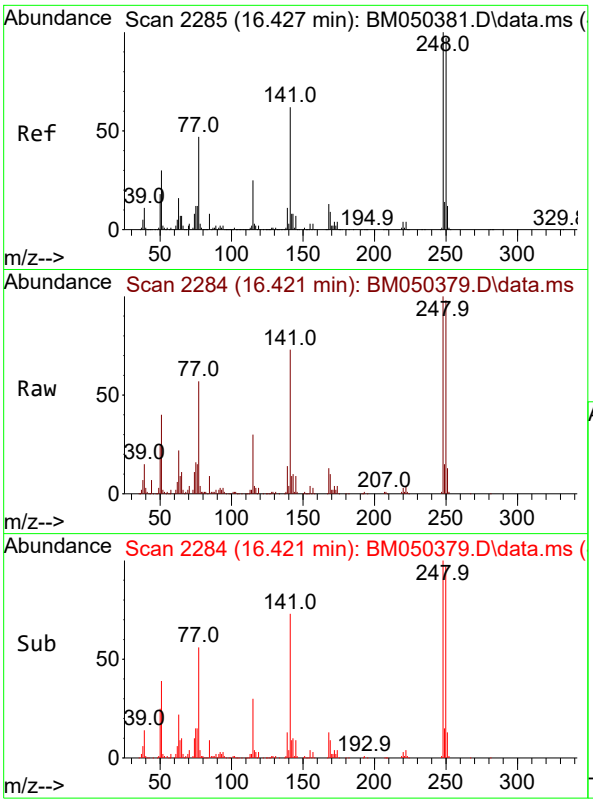




#66
n-Nitrosodiphenylamine
Concen: 9.215 ng
RT: 15.739 min Scan# 2168
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:169 Resp: 455683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.7 | 53.2 | 79.8 |
| 167 | 36.7 | 28.7 | 43.1 |

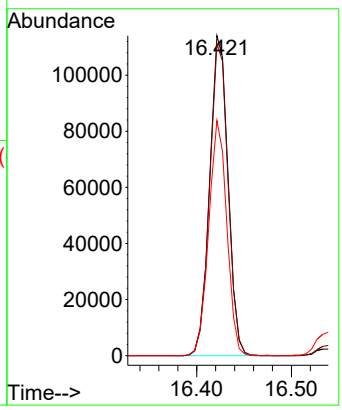





#67
4-Bromophenyl-phenylether
Concen: 8.812 ng
RT: 16.421 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:248 Resp: 15342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.5 | 77.9 | 116.9 |
| 141 | 73.5 | 49.7 | 74.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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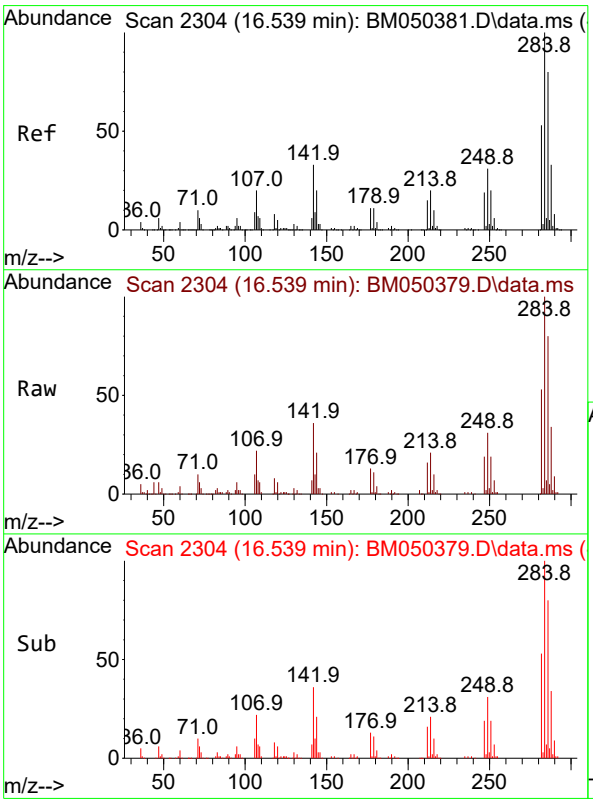
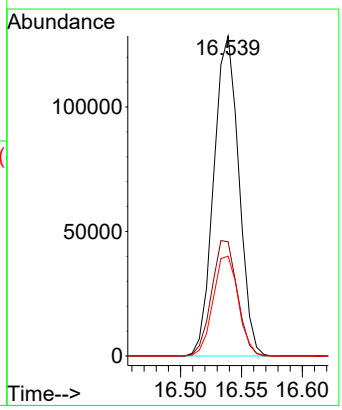
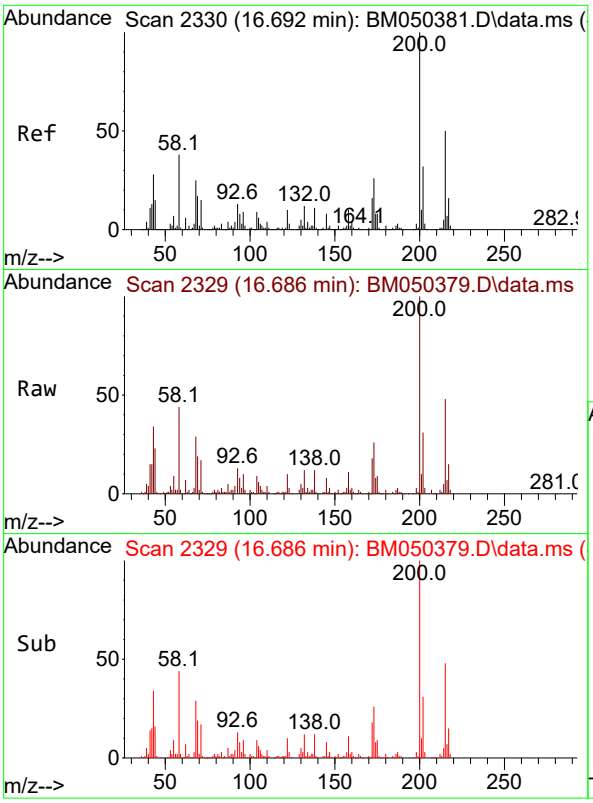



#68
Hexachlorobenzene
Concen: 8.960 ng
RT: 16.539 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:284 Resp: 184262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 35.7 | 26.8 | 40.2 |
| 249 | 31.2 | 24.5 | 36.7 |

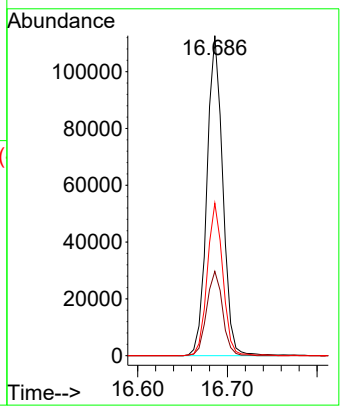





#69
Atrazine
Concen: 8.495 ng
RT: 16.686 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:200 Resp: 13794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.3 | 5.6 | 45.6 |
| 215 | 47.7 | 29.6 | 69.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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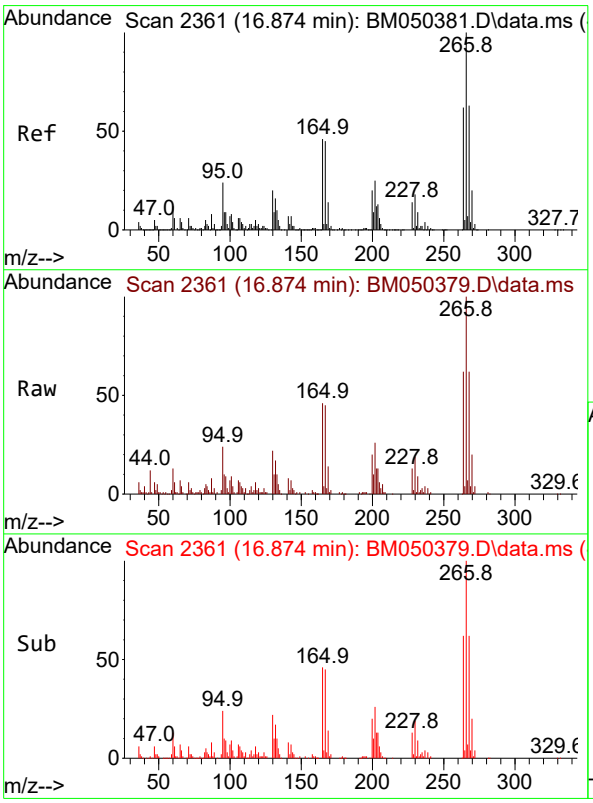
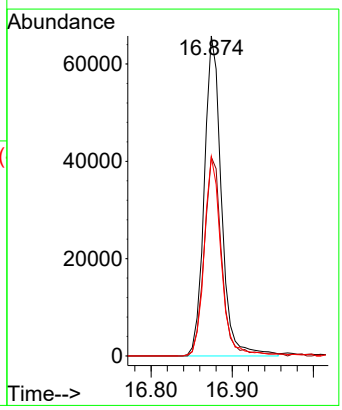
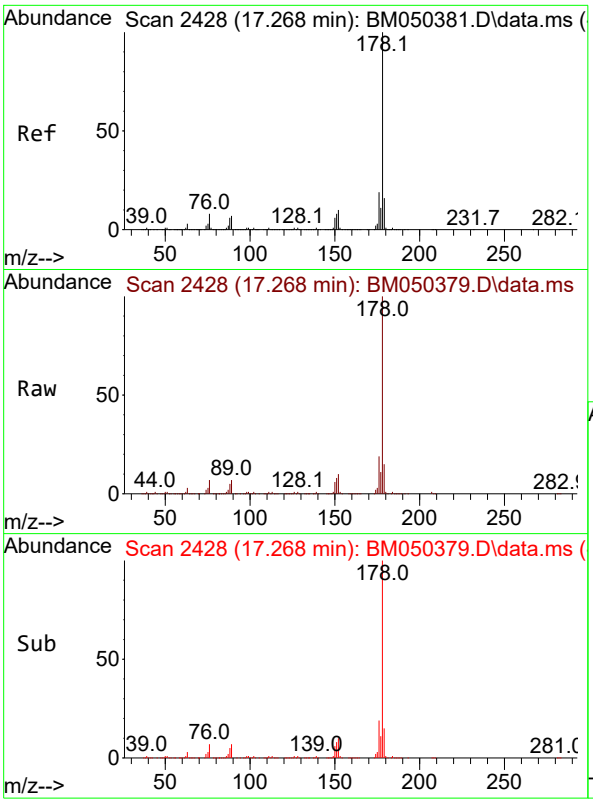



#70
Pentachlorophenol
Concen: 7.515 ng
RT: 16.874 min Scan# 2361
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:266 Resp: 96207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.2 | 50.5 | 75.7 |
| 264 | 62.3 | 49.9 | 74.9 |

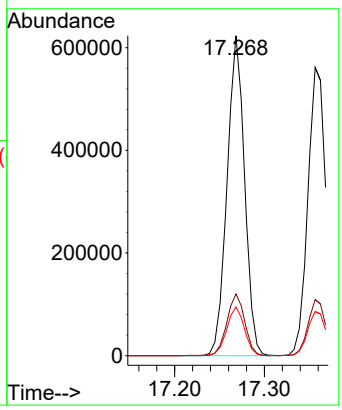





#71
Phenanthrene
Concen: 9.454 ng
RT: 17.268 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:178 Resp: 84539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.4 | 23.0 |
| 179 | 15.2 | 12.5 | 18.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

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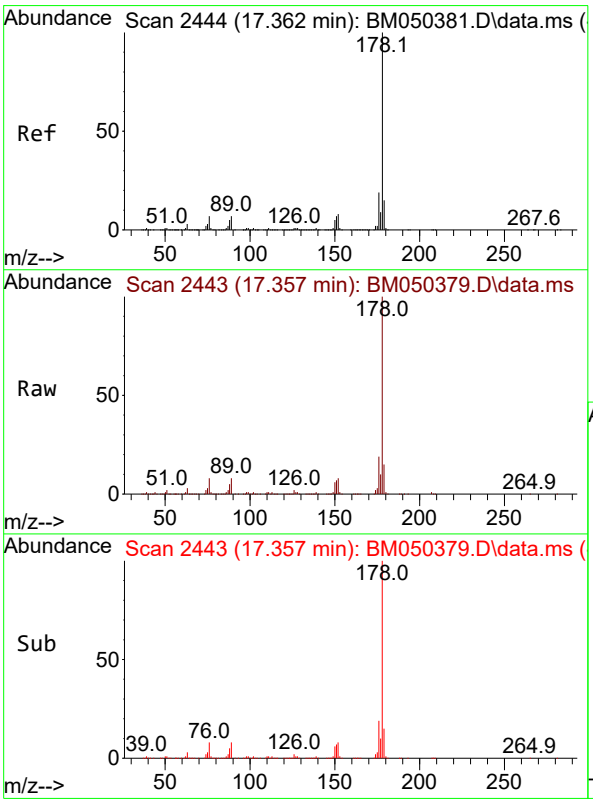
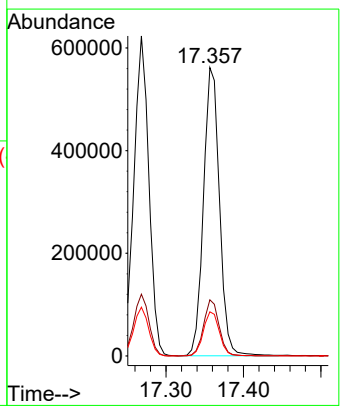
Supervised By :Jagrut Upadhyay 07/09/2025

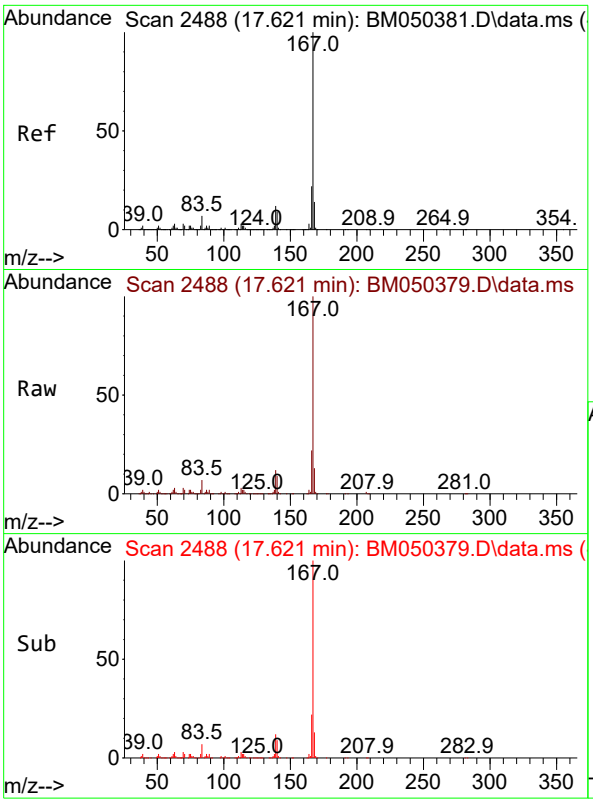



#72
Anthracene
Concen: 9.025 ng
RT: 17.357 min Scan# 2443
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:178 Resp: 803377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 14.9 | 22.3 |
| 179 | 15.3 | 12.2 | 18.4 |

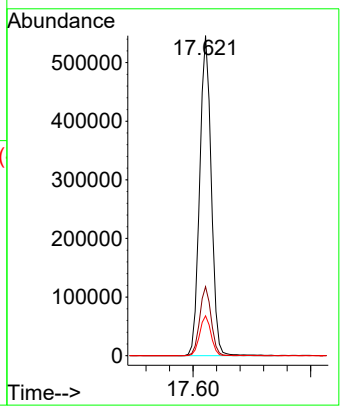





#73
Carbazole
Concen: 9.263 ng
RT: 17.621 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:167 Resp: 74602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.5 | 17.2 | 25.8 |
| 139 | 12.5 | 9.9 | 14.9 |




**Instrument :**
BNA_M
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SSTDICC010

**Manual Integrations**
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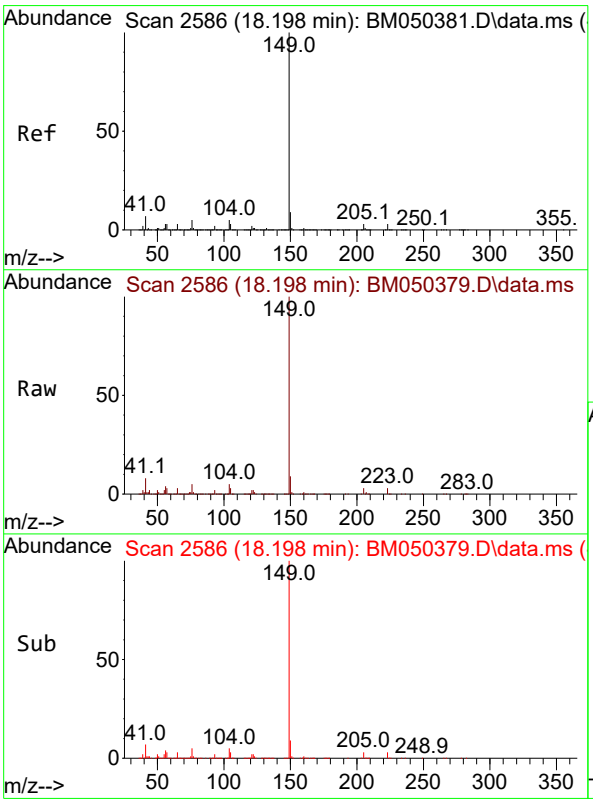
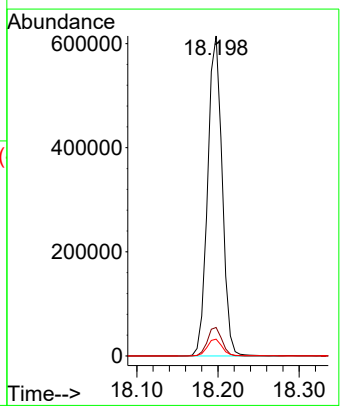
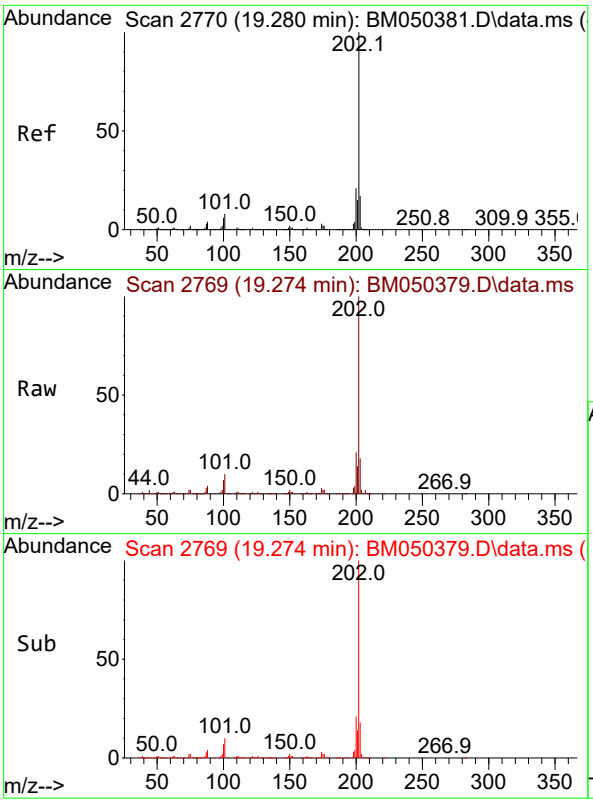



#74
Di-n-butylphthalate
Concen: 8.610 ng
RT: 18.198 min Scan# 2586
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:149 Resp: 759019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 8.9 | 7.3 | 10.9 |
| 104 | 5.2 | 3.9 | 5.9 |

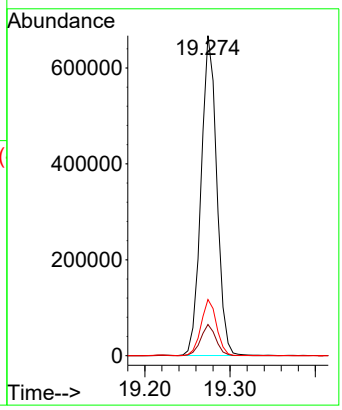





#75
Fluoranthene
Concen: 8.768 ng
RT: 19.274 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:202 Resp: 85238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.8 | 0.0 | 28.3 |
| 203 | 17.5 | 0.0 | 37.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

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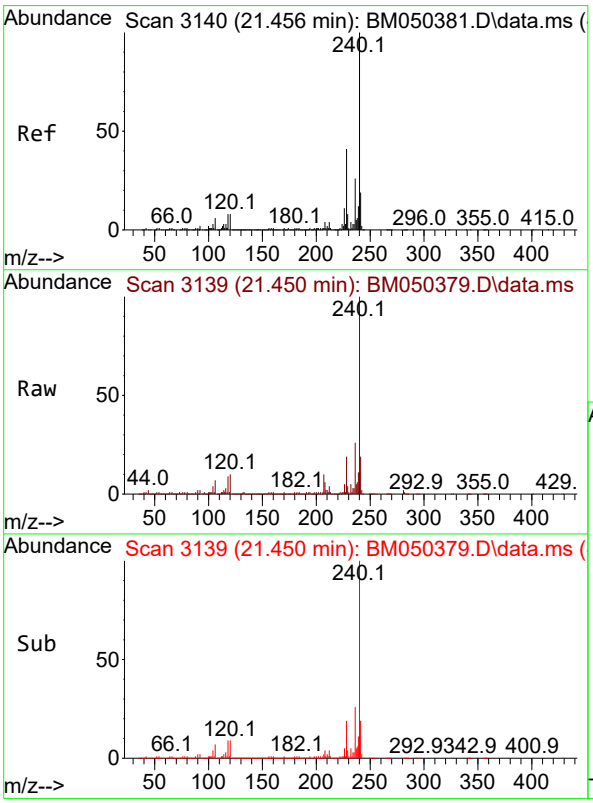
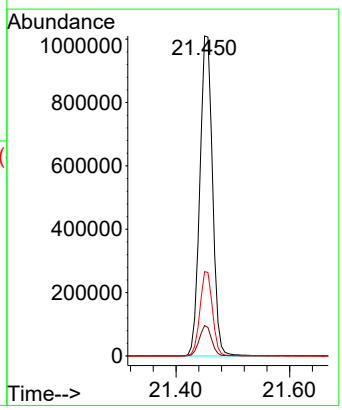
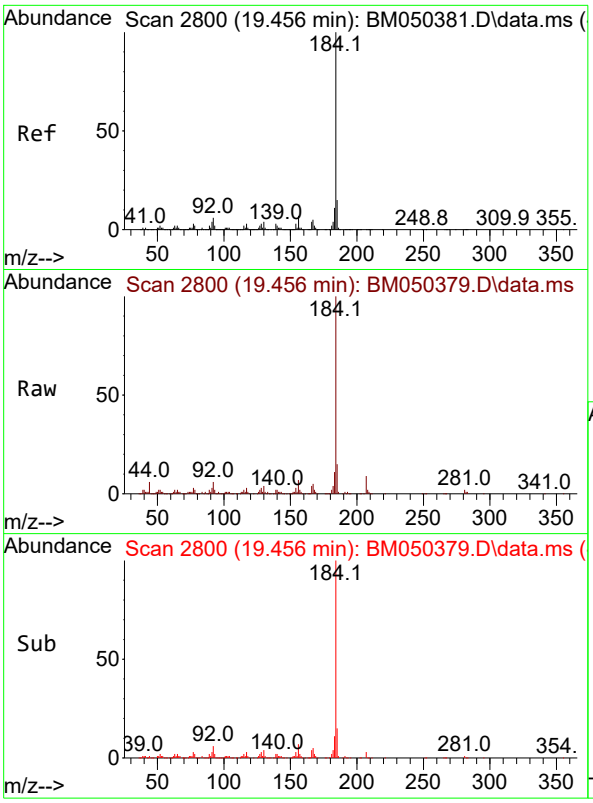



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.450 min Scan# 3139
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:240 Resp: 1564213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.5 | 6.7 | 10.1 |
| 236 | 26.4 | 20.7 | 31.1 |

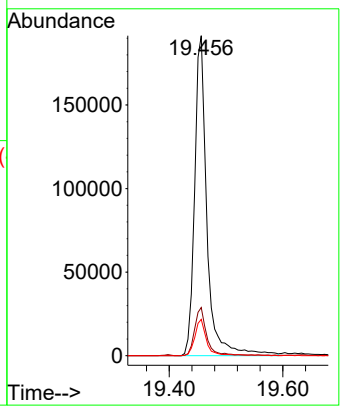





#77
Benzidine
Concen: 7.256 ng
RT: 19.456 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:184 Resp: 28948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.0 | 11.7 | 17.5 |
| 183 | 11.3 | 9.0 | 13.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

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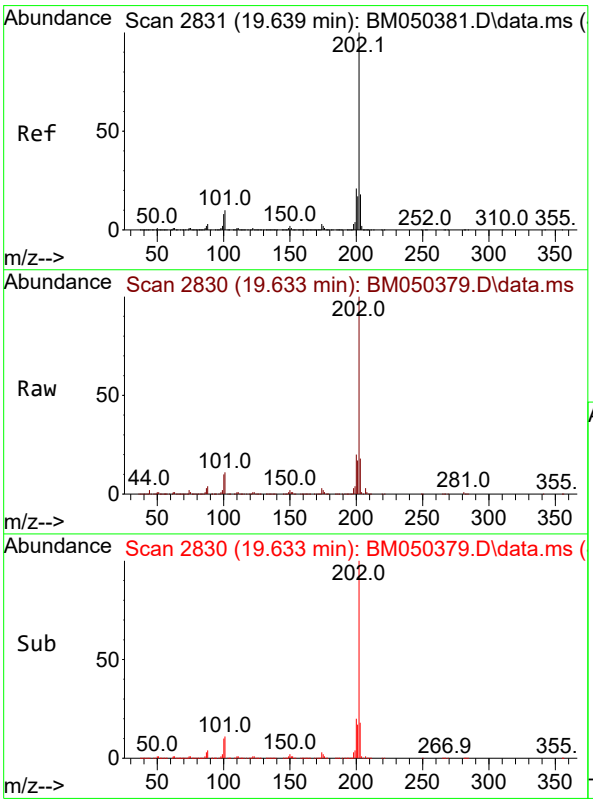
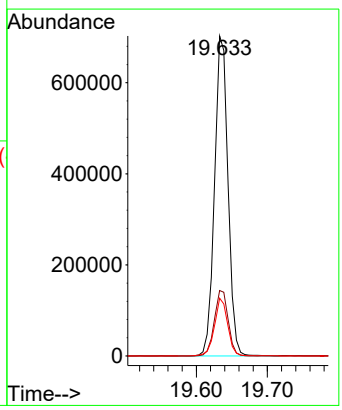
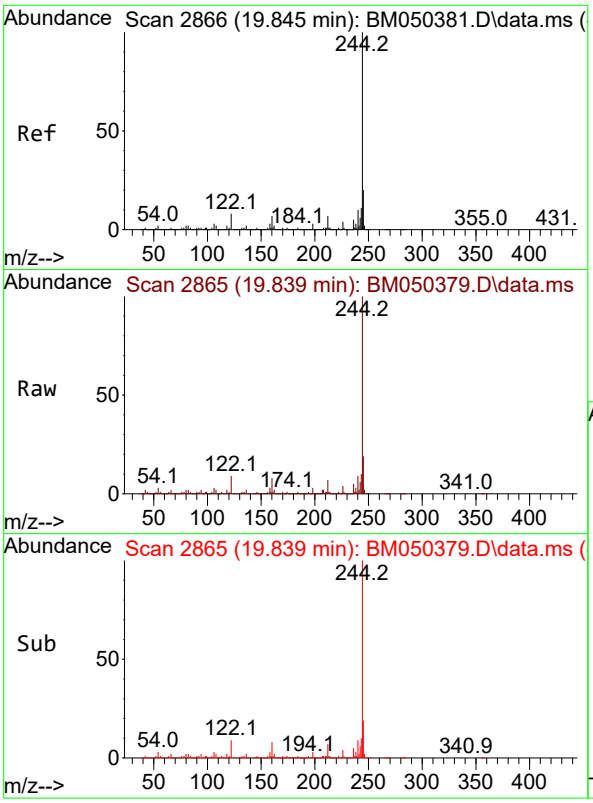



#78
Pyrene
Concen: 9.191 ng
RT: 19.633 min Scan# 2830
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:202 Resp: 920751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.5 | 16.9 | 25.3 |
| 203 | 18.0 | 14.1 | 21.1 |

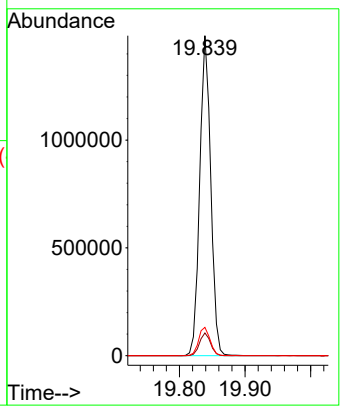





#79
Terphenyl-d14
Concen: 19.526 ng
RT: 19.839 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:244 Resp: 173585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.7 | 8.5 |
| 122 | 8.8 | 6.2 | 9.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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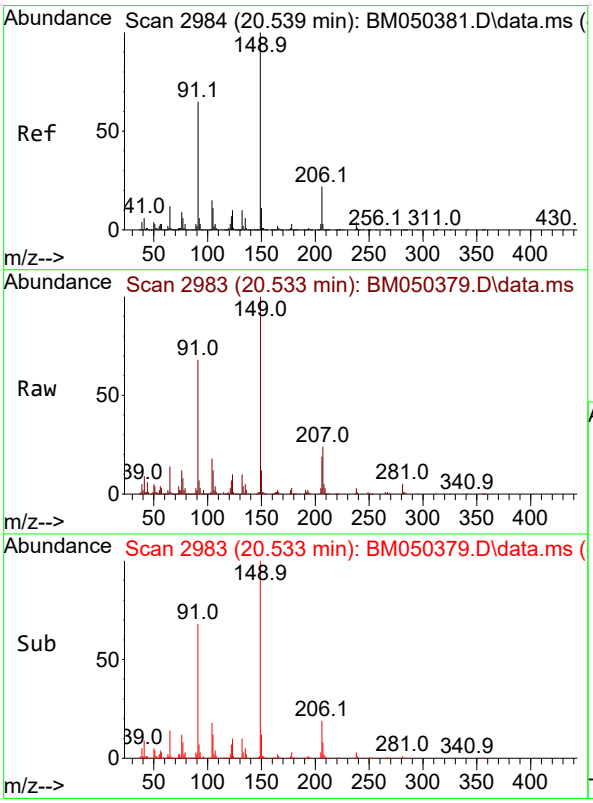
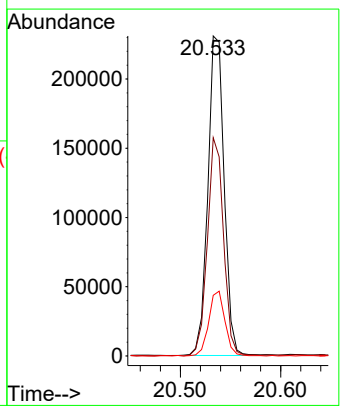
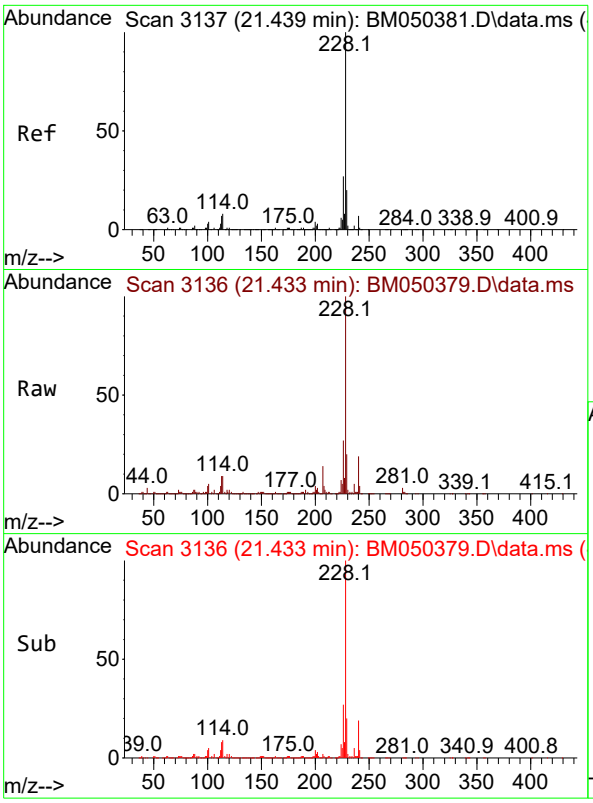



#80
Butylbenzylphthalate
Concen: 7.920 ng
RT: 20.533 min Scan# 2983
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:149 Resp: 261606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 68.2 | 51.6 | 77.4 |
| 206 | 19.0 | 17.8 | 26.8 |

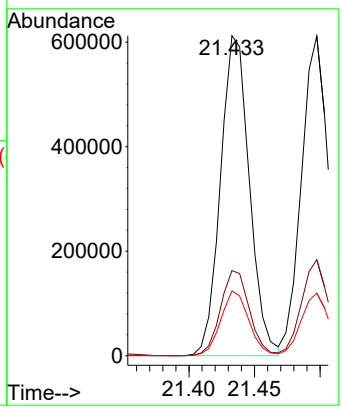





#81
Benzo(a)anthracene
Concen: 9.224 ng
RT: 21.433 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:228 Resp: 94012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.6 | 21.8 | 32.8 |
| 229 | 20.3 | 16.0 | 24.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**

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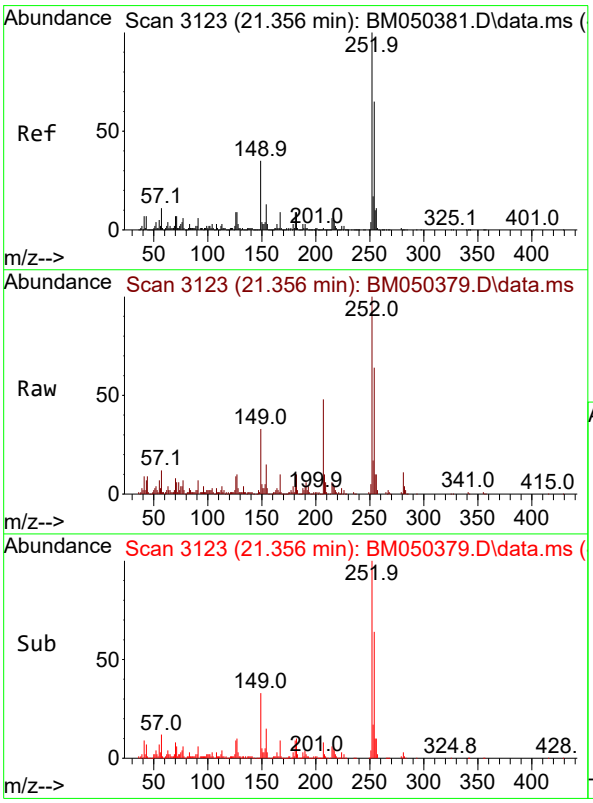
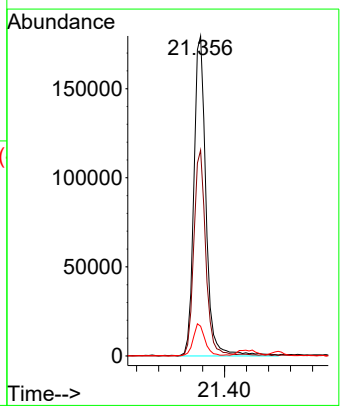
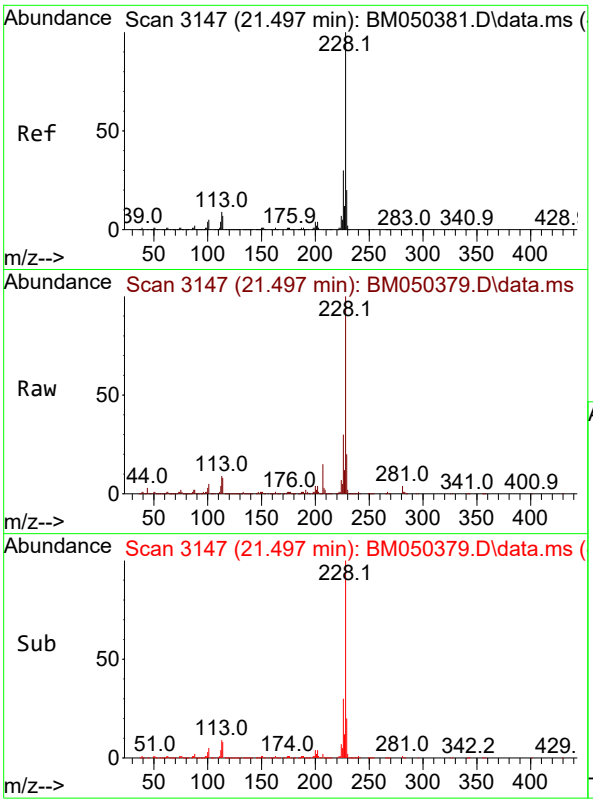



#82
3,3'-Dichlorobenzidine
Concen: 7.988 ng
RT: 21.356 min Scan# 3123
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:252 Resp: 274551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.3 | 51.7 | 77.5 |
| 126 | 9.3 | 7.3 | 10.9 |

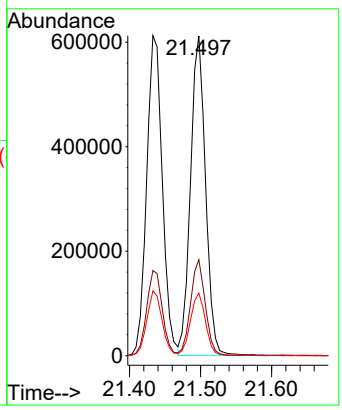





#83
Chrysene
Concen: 9.384 ng
RT: 21.497 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:228 Resp: 90212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.0 | 24.2 | 36.4 |
| 229 | 19.6 | 15.8 | 23.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

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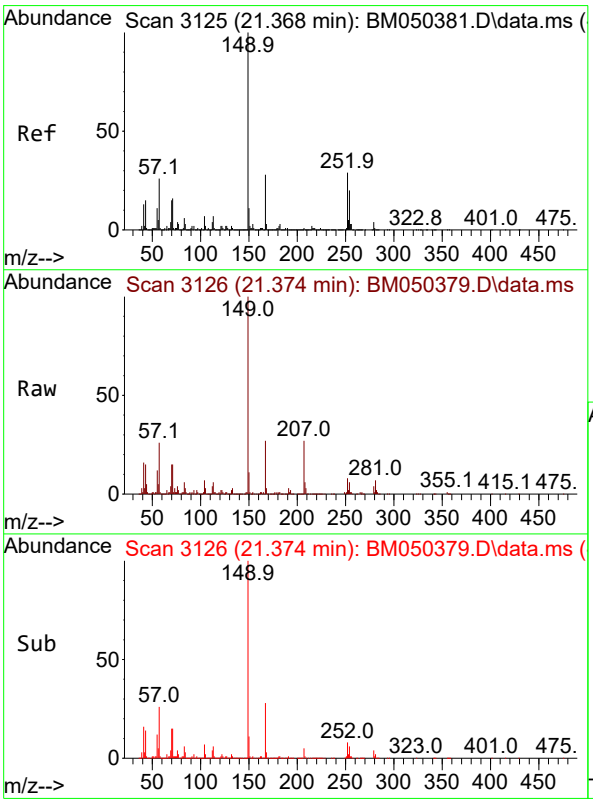
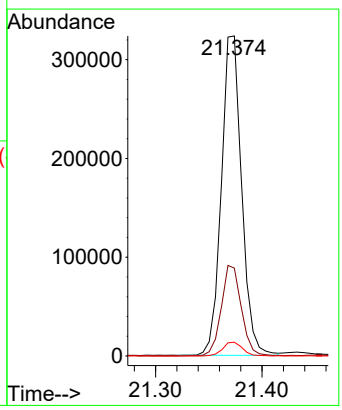
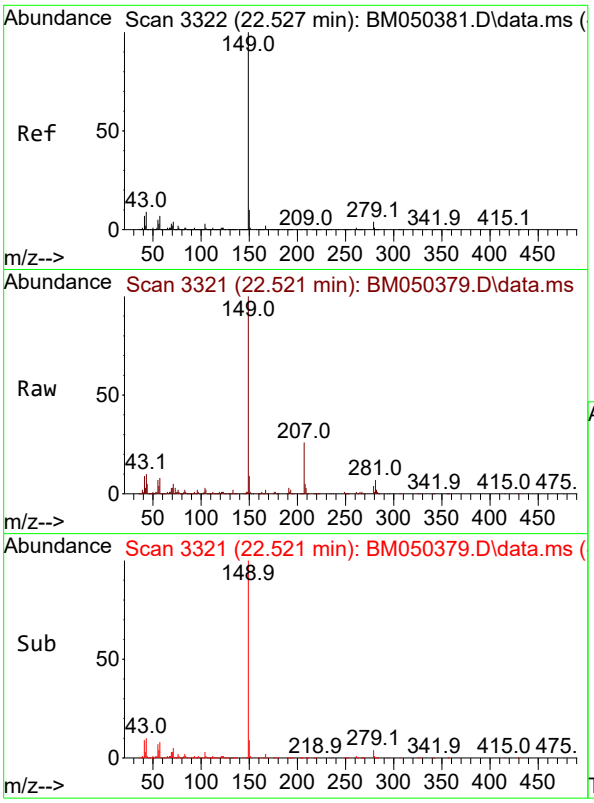



#84
Bis(2-ethylhexyl)phthalate
Concen: 8.136 ng
RT: 21.374 min Scan# 3126
Delta R.T. 0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:149 Resp: 426642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.5 | 22.7 | 34.1 |
| 279 | 4.3 | 3.5 | 5.3 |






#85
Di-n-octyl phthalate
Concen: 7.070 ng
RT: 22.521 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:149 Resp: 58063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 10.6 | 7.7 | 11.5 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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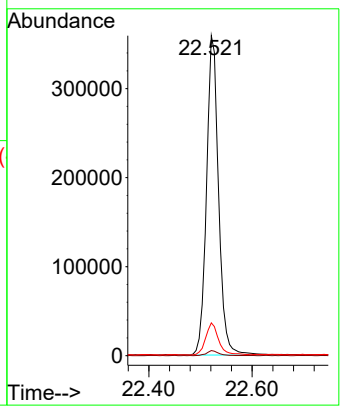
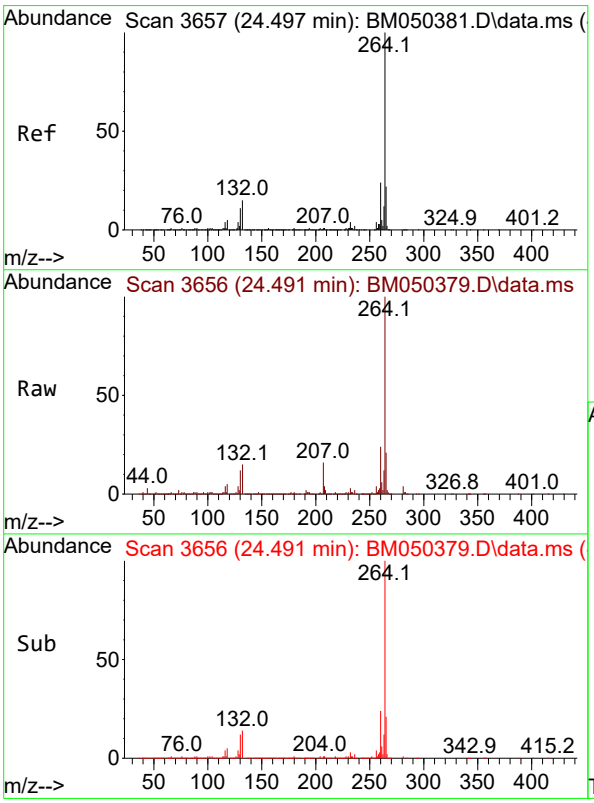
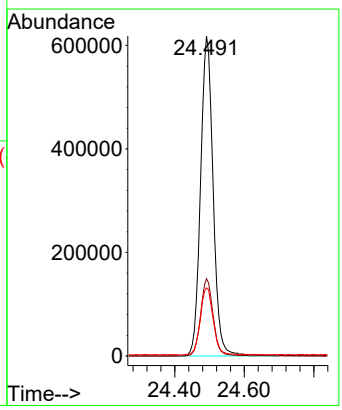


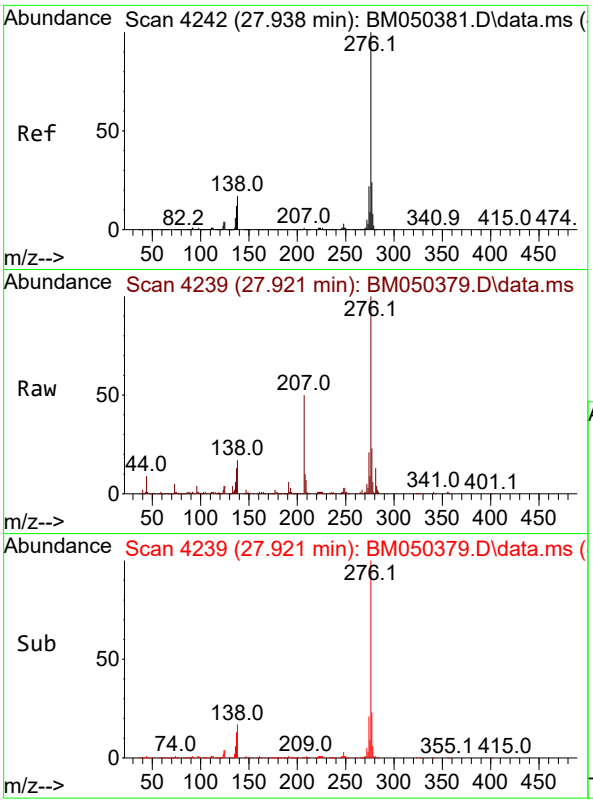




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.491 min Scan# 3656
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:264 Resp: 1552476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.1 | 19.2 | 28.8 |
| 265 | 21.3 | 17.8 | 26.6 |

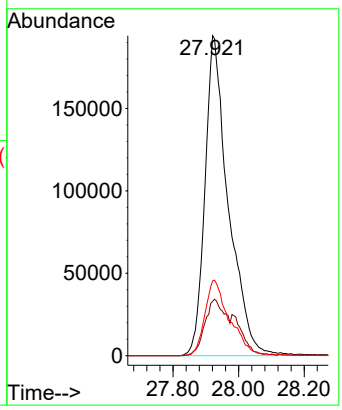





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.706 ng
RT: 27.921 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:276 Resp: 96092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 15.8 | 17.0 | 25.6 |
| 277 | 24.8 | 20.0 | 30.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

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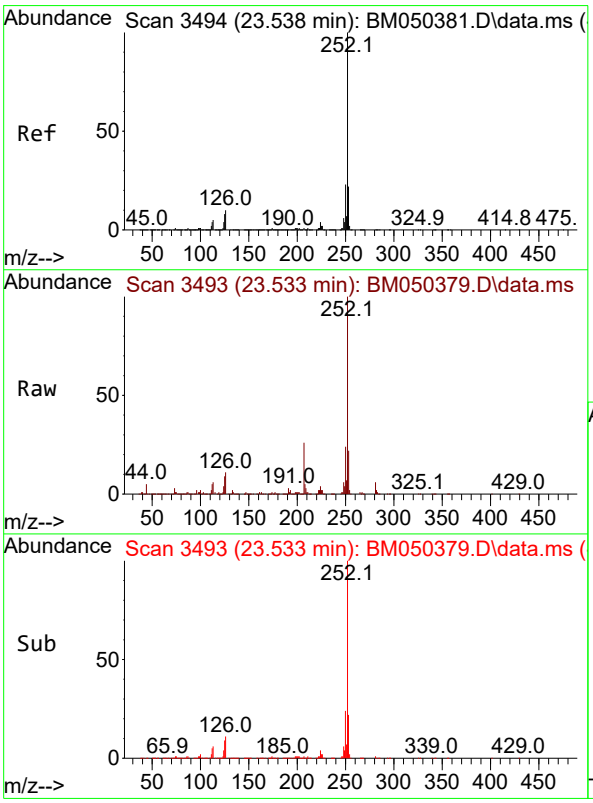
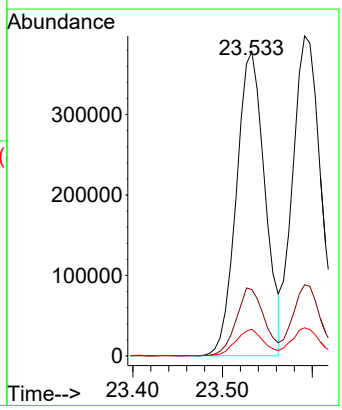
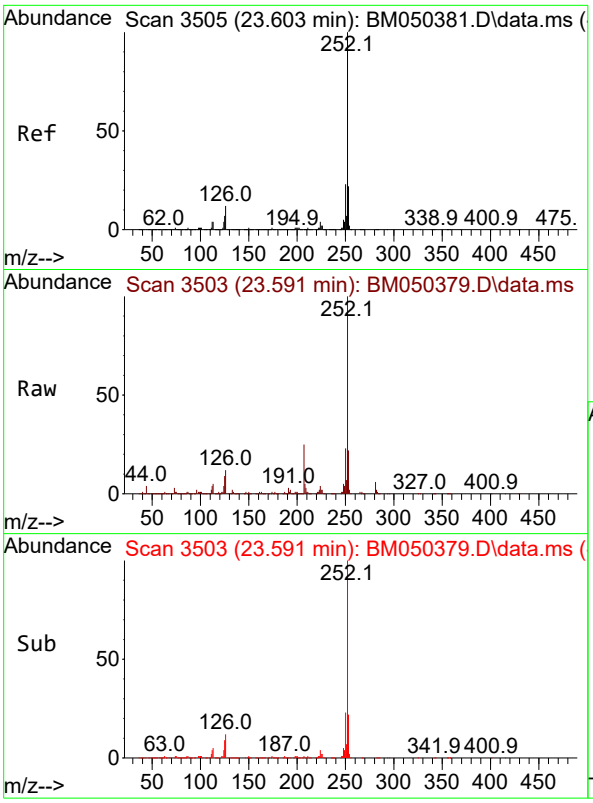



#88
Benzo(b)fluoranthene
Concen: 8.740 ng
RT: 23.533 min Scan# 3493
Delta R.T. -0.006 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:252 Resp: 834603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.8 | 26.6 |
| 125 | 8.8 | 6.3 | 9.5 |

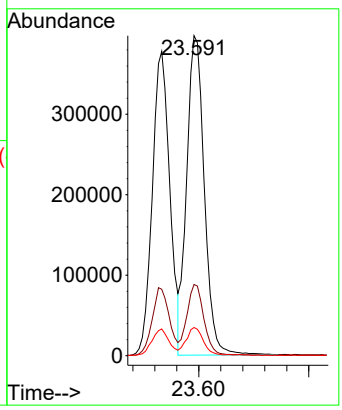





#89
Benzo(k)fluoranthene
Concen: 8.919 ng
RT: 23.591 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:252 Resp: 88370

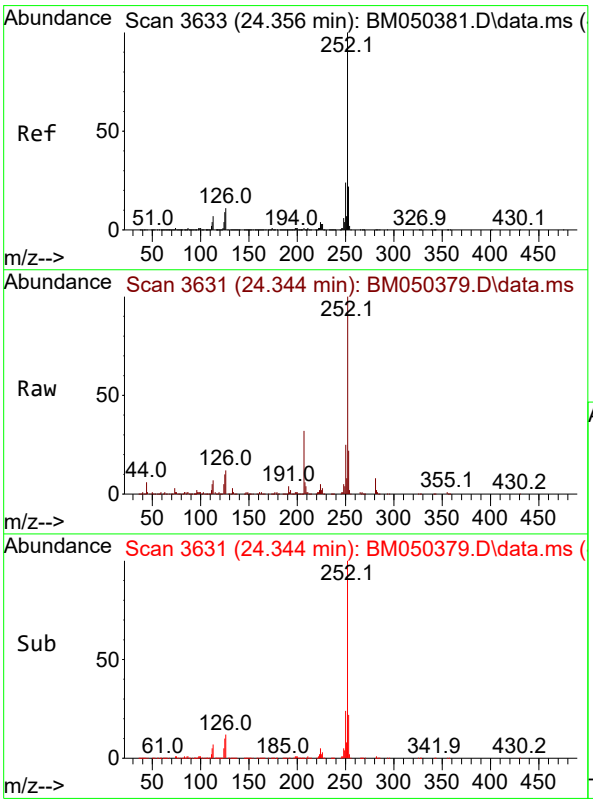
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.6 | 26.4 |
| 125 | 8.8 | 6.2 | 9.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**

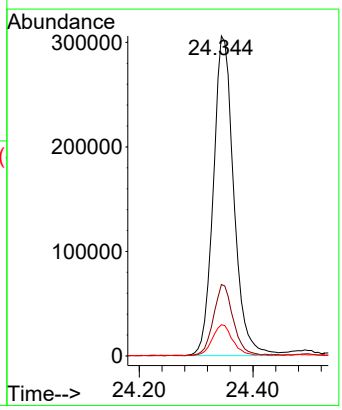
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

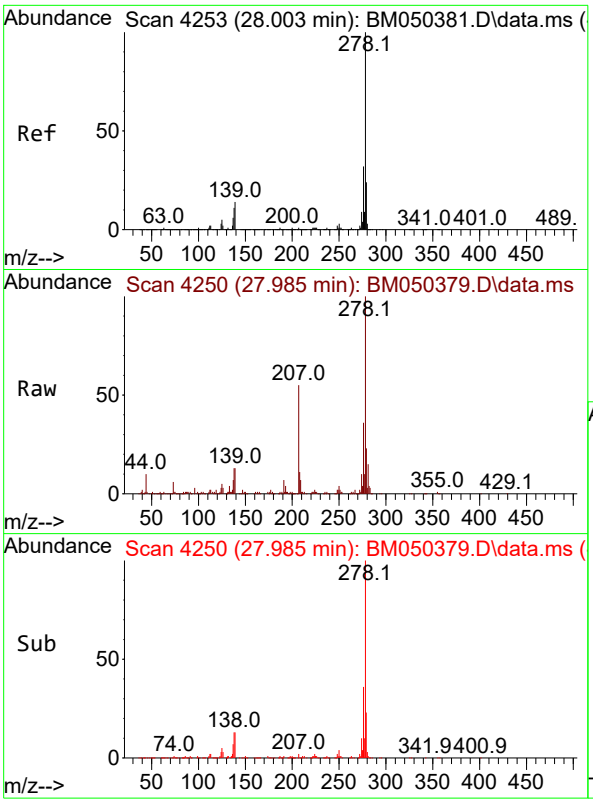



#90
Benzo(a)pyrene
Concen: 8.550 ng
RT: 24.344 min Scan# 3631
Delta R.T. -0.012 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:252 Resp: 764280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.8 | 26.6 |
| 125 | 9.7 | 7.0 | 10.4 |

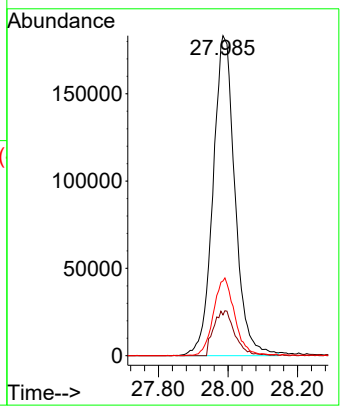





#91
Dibenzo(a,h)anthracene
Concen: 8.639 ng
RT: 27.985 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:278 Resp: 80305

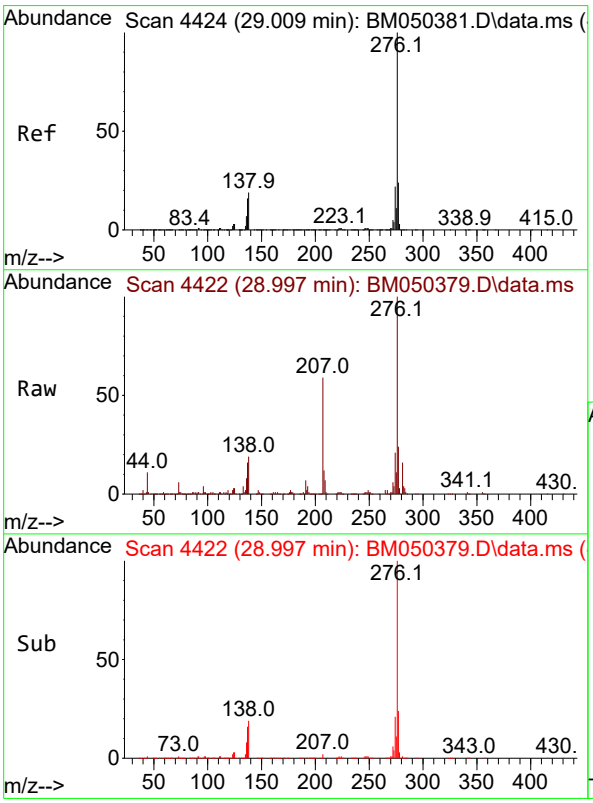
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 12.7 | 10.8 | 16.2 |
| 279 | 23.4 | 19.4 | 29.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
**APPROVED**

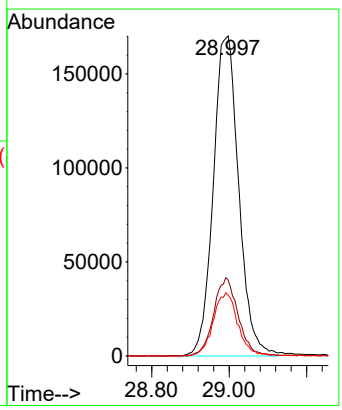
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025




#92
Benzo(g,h,i)perylene
Concen: 8.841 ng
RT: 28.997 min Scan# 4422
Delta R.T. -0.012 min
Lab File: BM050379.D
Acq: 08 Jul 2025 14:00

Tgt Ion:276 Resp: 776700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 19.1 | 28.7 |
| 138 | 19.0 | 14.9 | 22.3 |



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050380.D
Acq On : 08 Jul 2025 14:40
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 08 18:21:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.863 | 152 | 361505 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.663 | 136 | 1364913 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.492 | 164 | 879171 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.227 | 188 | 1676151 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.456 | 240 | 1698030 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.492 | 264 | 1655344 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.434 | 112 | 830817 | 39.560 | ng | | 0.00 |
| 7) Phenol-d6 | 7.016 | 99 | 1041640 | 39.345 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.016 | 82 | 1065139 | 39.813 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.974 | 330 | 404270 | 37.846 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.122 | 172 | 2831991 | 39.780 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.839 | 244 | 4159871 | 43.104 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.334 | 88 | 174356 | 20.190 | ng | | 99 |
| 3) Pyridine | 3.734 | 79 | 453940 | 20.022 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.640 | 42 | 215262 | 20.366 | ng | # | 95 |
| 6) Aniline | 7.187 | 93 | 666785 | 19.625 | ng | | 100 |
| 8) 2-Chlorophenol | 7.428 | 128 | 440657 | 19.898 | ng | | 97 |
| 9) Benzaldehyde | 6.999 | 77 | 355966m | 22.600 | ng | | |
| 10) Phenol | 7.046 | 94 | 548000 | 19.845 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.281 | 93 | 442290 | 20.000 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 7.757 | 146 | 540913 | 20.088 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.899 | 146 | 555418 | 20.200 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.216 | 146 | 525580 | 19.966 | ng | | 99 |
| 15) Benzyl Alcohol | 8.099 | 79 | 359867 | 19.292 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.393 | 45 | 657213 | 20.176 | ng | | 100 |
| 17) 2-Methylphenol | 8.299 | 107 | 354110 | 19.772 | ng | | 100 |
| 18) Hexachloroethane | 8.951 | 117 | 192269 | 19.883 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.669 | 70 | 320932 | 20.010 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.622 | 107 | 468665 | 19.493 | ng | | 99 |
| 22) Acetophenone | 8.681 | 105 | 684104 | 20.046 | ng | # | 99 |
| 24) Nitrobenzene | 9.057 | 77 | 481755 | 20.179 | ng | | 100 |
| 25) Isophorone | 9.587 | 82 | 865912 | 19.946 | ng | | 99 |
| 26) 2-Nitrophenol | 9.775 | 139 | 180315 | 18.532 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.828 | 122 | 410521 | 19.828 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.069 | 93 | 575979 | 20.023 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.304 | 162 | 424771 | 19.970 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.528 | 180 | 503042 | 19.769 | ng | | 98 |
| 31) Naphthalene | 10.710 | 128 | 1397680 | 20.160 | ng | | 99 |
| 32) Benzoic acid | 9.910 | 122 | 189237 | 19.011 | ng | | 100 |
| 33) 4-Chloroaniline | 10.810 | 127 | 582272 | 19.867 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.010 | 225 | 303657 | 19.552 | ng | | 99 |
| 35) Caprolactam | 11.569 | 113 | 110042 | 18.951 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 11.928 | 107 | 393366 | 19.804 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.322 | 142 | 871365 | 19.906 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.539 | 142 | 920592 | 19.872 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.686 | 216 | 536934 | 19.205 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.675 | 237 | 317506 | 17.766 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.922 | 196 | 331504 | 19.263 | ng | | 98 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050380.D
Acq On : 08 Jul 2025 14:40
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 08 18:21:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.992 | 196 | 364770 | 19.408 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.328 | 154 | 1300397 | 19.936 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.369 | 162 | 1043593 | 20.066 | ng | 99 |
| 48) 2-Nitroaniline | 13.563 | 65 | 222094 | 19.132 | ng | 98 |
| 49) Acenaphthylene | 14.216 | 152 | 1578057 | 20.078 | ng | 99 |
| 50) Dimethylphthalate | 13.945 | 163 | 1202901 | 19.873 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 14.057 | 165 | 231144 | 19.889 | ng | 99 |
| 52) Acenaphthene | 14.557 | 154 | 990178 | 19.816 | ng | 99 |
| 53) 3-Nitroaniline | 14.380 | 138 | 244460 | 19.779 | ng | 96 |
| 54) 2,4-Dinitrophenol | 14.586 | 184 | 85284 | 18.641 | ng | 96 |
| 55) Dibenzofuran | 14.886 | 168 | 1543545 | 20.048 | ng | 99 |
| 56) 4-Nitrophenol | 14.680 | 139 | 198160 | 18.644 | ng | 99 |
| 57) 2,4-Dinitrotoluene | 14.839 | 165 | 299004 | 18.935 | ng | 95 |
| 58) Fluorene | 15.539 | 166 | 1255879 | 19.803 | ng | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.110 | 232 | 312205 | 19.733 | ng | 99 |
| 60) Diethylphthalate | 15.310 | 149 | 1159537 | 20.055 | ng | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.533 | 204 | 644238 | 19.428 | ng | 99 |
| 62) 4-Nitroaniline | 15.539 | 138 | 249635 | 19.209 | ng | 93 |
| 63) Azobenzene | 15.822 | 77 | 1085005 | 20.436 | ng | 96 |
| 65) 4,6-Dinitro-2-methylph... | 15.604 | 198 | 129223 | 18.758 | ng | 97 |
| 66) n-Nitrosodiphenylamine | 15.739 | 169 | 1039509 | 19.819 | ng | 98 |
| 67) 4-Bromophenyl-phenylether | 16.422 | 248 | 353272 | 19.130 | ng | 96 |
| 68) Hexachlorobenzene | 16.539 | 284 | 424108 | 19.444 | ng | 99 |
| 69) Atrazine | 16.686 | 200 | 333655 | 19.373 | ng | 97 |
| 70) Pentachlorophenol | 16.874 | 266 | 243316 | 17.920 | ng | 98 |
| 71) Phenanthrene | 17.269 | 178 | 1876408 | 19.784 | ng | 100 |
| 72) Anthracene | 17.357 | 178 | 1859273 | 19.694 | ng | 99 |
| 73) Carbazole | 17.621 | 167 | 1691521 | 19.801 | ng | 100 |
| 74) Di-n-butylphthalate | 18.198 | 149 | 1829412 | 19.566 | ng | 100 |
| 75) Fluoranthene | 19.274 | 202 | 1980887 | 19.212 | ng | 98 |
| 77) Benzidine | 19.451 | 184 | 884477 | 20.422 | ng | 99 |
| 78) Pyrene | 19.639 | 202 | 2140070 | 19.679 | ng | 99 |
| 80) Butylbenzylphthalate | 20.533 | 149 | 681649 | 19.009 | ng | 95 |
| 81) Benzo(a)anthracene | 21.433 | 228 | 2176940 | 19.676 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.356 | 252 | 689176 | 18.471 | ng | 100 |
| 83) Chrysene | 21.498 | 228 | 2037978 | 19.529 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.368 | 149 | 1117874 | 19.638 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.521 | 149 | 1580618 | 17.729 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 27.927 | 276 | 2274737 | 19.328 | ng | 99 |
| 88) Benzo(b)fluoranthene | 23.533 | 252 | 1948651 | 19.138 | ng | 99 |
| 89) Benzo(k)fluoranthene | 23.592 | 252 | 2064811 | 19.544 | ng | 99 |
| 90) Benzo(a)pyrene | 24.350 | 252 | 1819117 | 19.085 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 27.991 | 278 | 1918673 | 19.357 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 28.997 | 276 | 1815952 | 19.385 | ng | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050380.D
Acq On : 08 Jul 2025 14:40
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 08 18:21:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/09/2025
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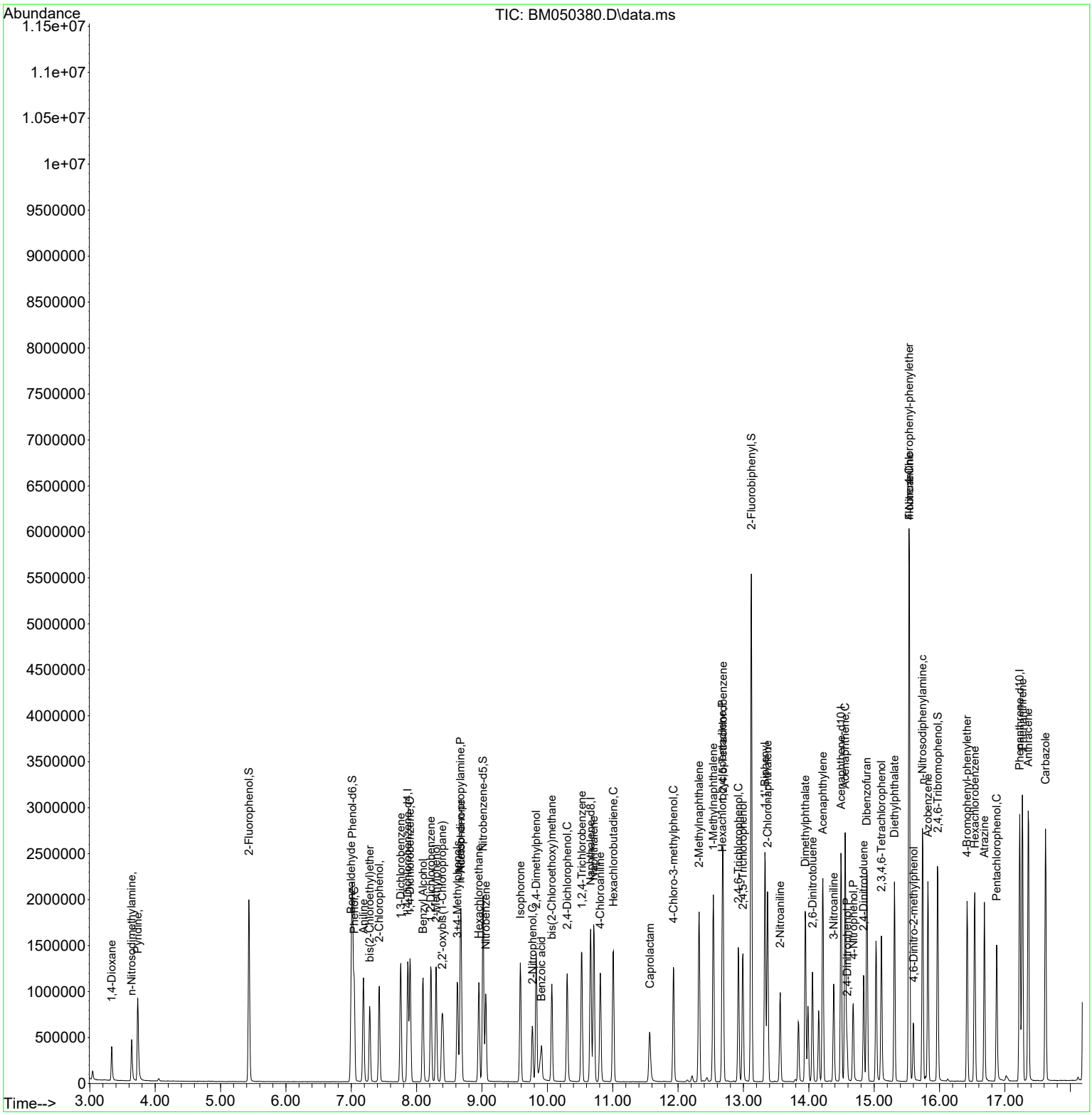

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050380.D
Acq On : 08 Jul 2025 14:40
Operator : RC/JU
Sample : SSTDICC020
Misc :
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Quant Time: Jul 08 18:21:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/09/2025
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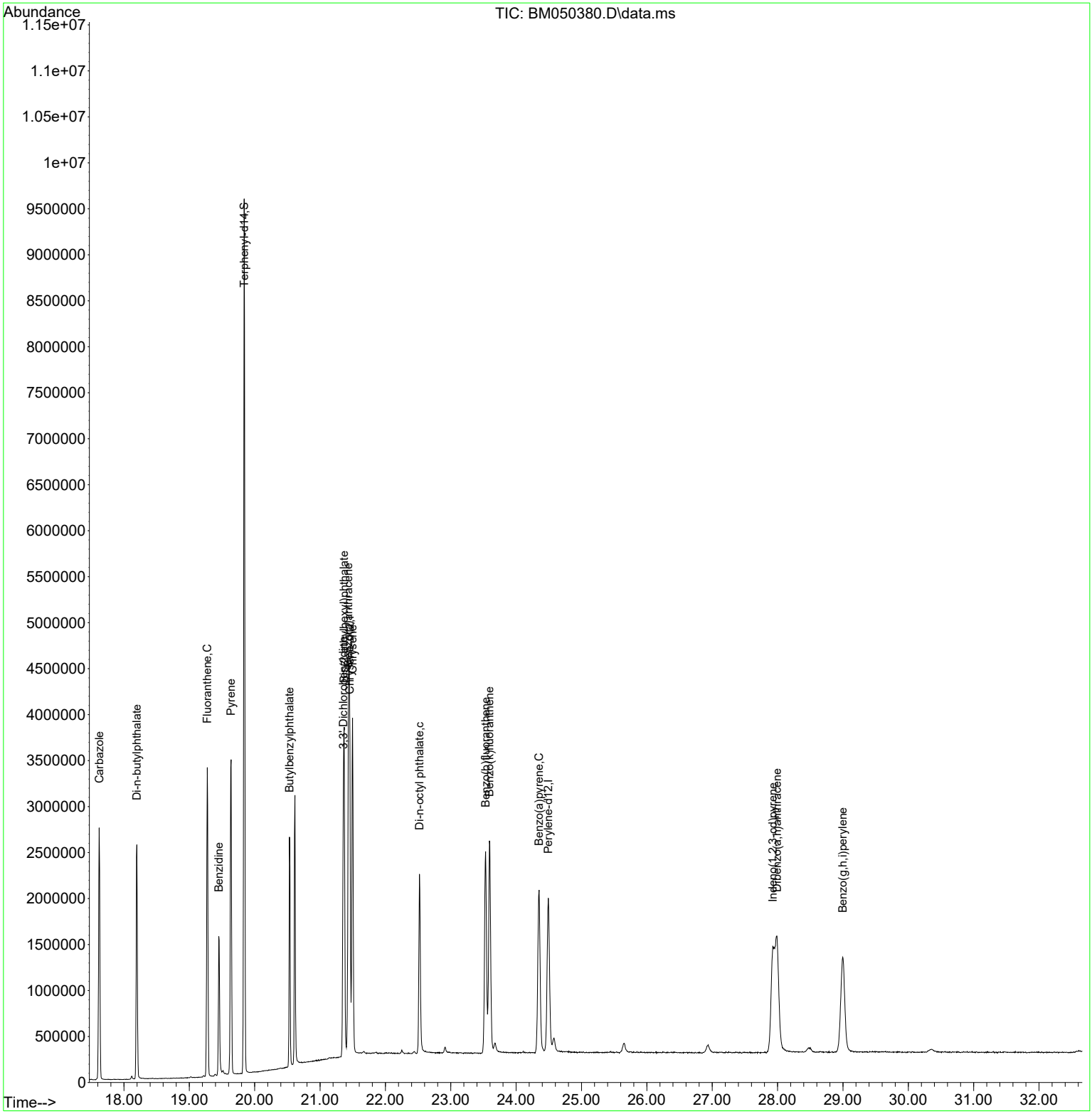
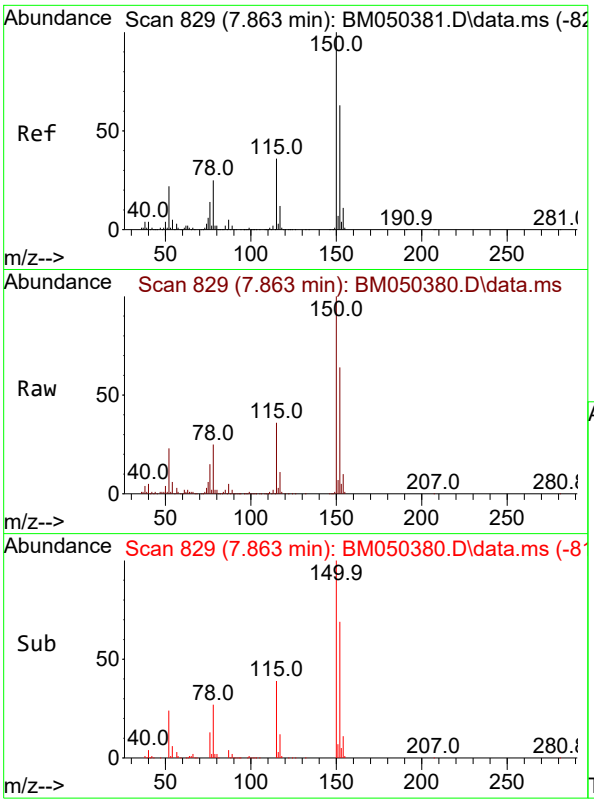
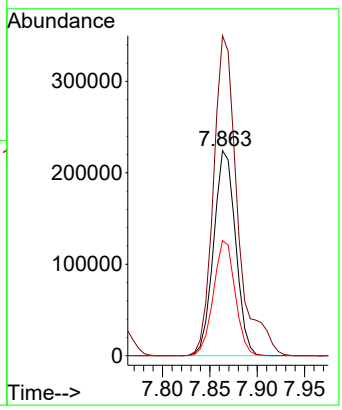





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:152 Resp: 36150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.0 | 126.2 | 189.4 |
| 115 | 56.1 | 45.8 | 68.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
**APPROVED**

Reviewed By :Rahul Chavli 07/09/2025
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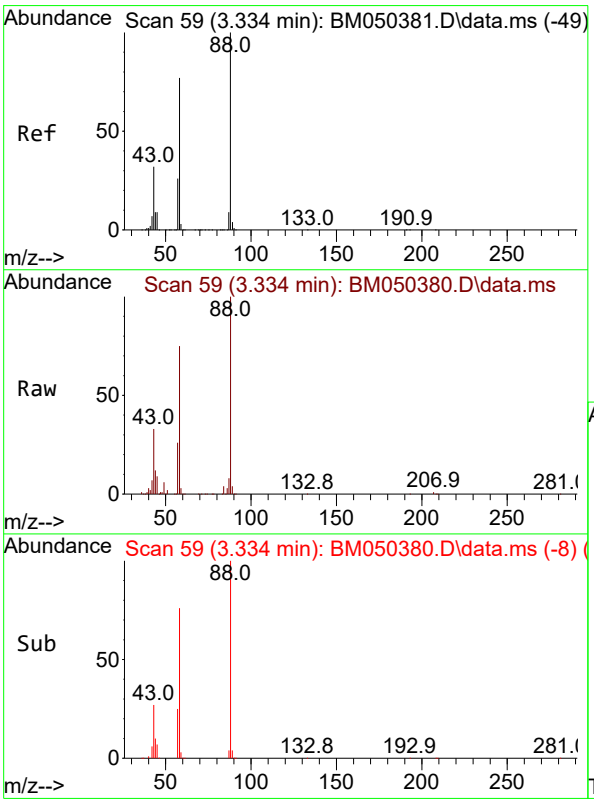
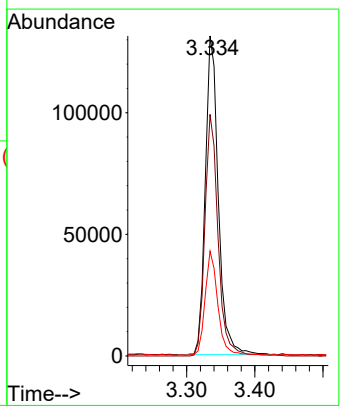
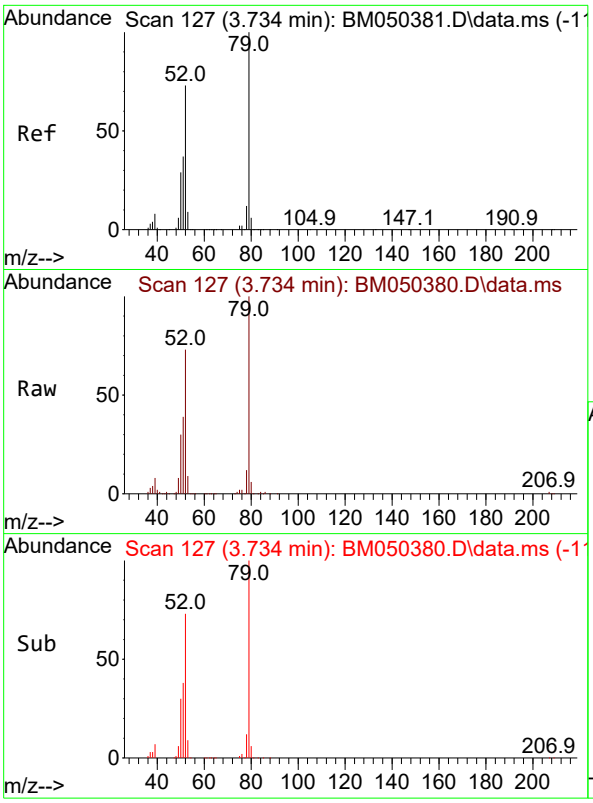



#2
1,4-Dioxane
Concen: 20.190 ng
RT: 3.334 min Scan# 59
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 88 Resp: 174356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 76.7 | 61.0 | 91.6 |
| 43 | 31.7 | 24.6 | 37.0 |

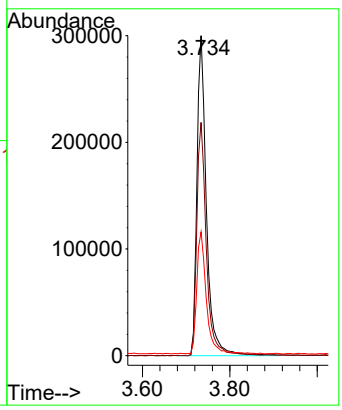





#3
Pyridine
Concen: 20.022 ng
RT: 3.734 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 79 Resp: 45394

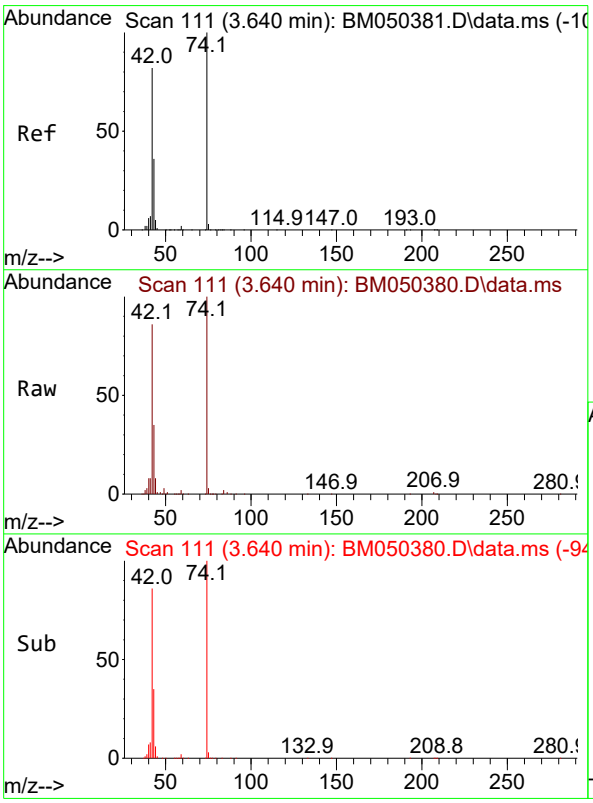
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 72.9 | 58.3 | 87.5 |
| 51 | 38.7 | 29.6 | 44.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
**APPROVED**

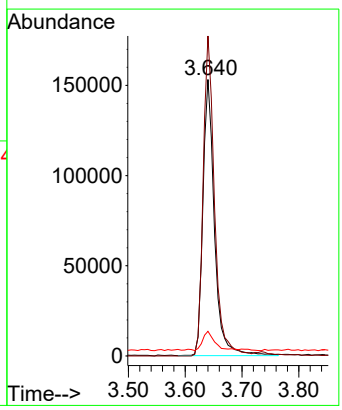
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

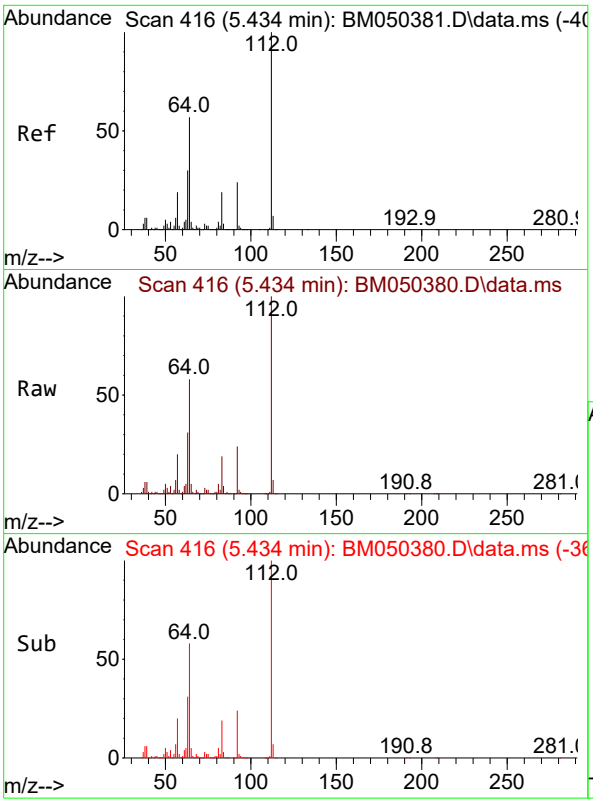



#4
n-Nitrosodimethylamine
Concen: 20.366 ng
RT: 3.640 min Scan# 111
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 42 Resp: 215262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 115.7 | 97.5 | 146.3 |
| 44 | 8.9 | 5.7 | 8.5# |

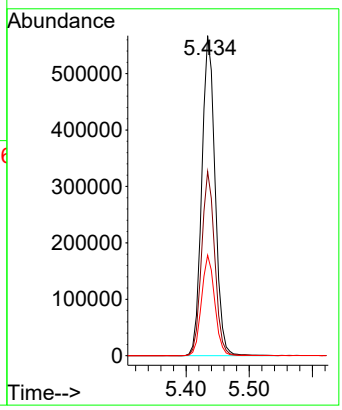





#5
2-Fluorophenol
Concen: 39.560 ng
RT: 5.434 min Scan# 41
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:112 Resp: 83081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.5 | 45.5 | 68.3 |
| 63 | 31.4 | 24.2 | 36.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
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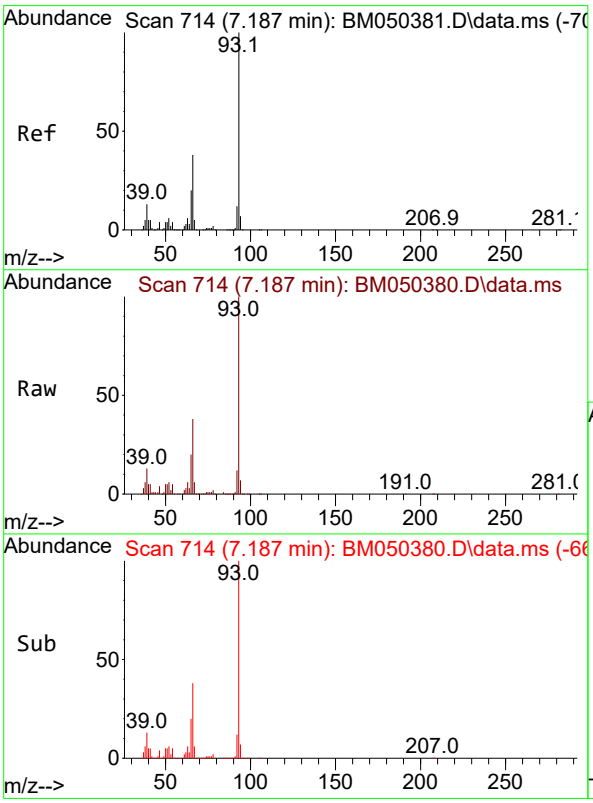
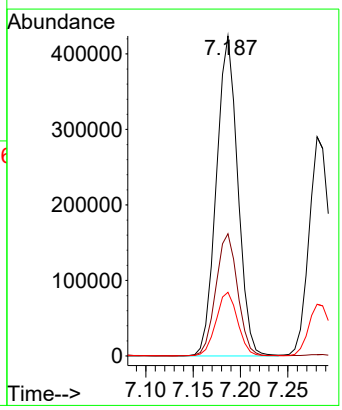
Supervised By :Jagrut Upadhyay 07/09/2025

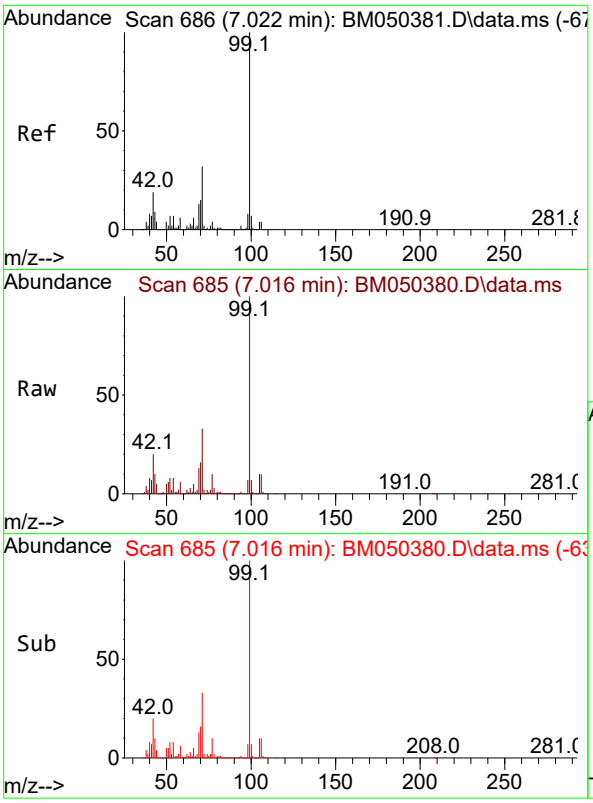



#6
Aniline
Concen: 19.625 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 93 Resp: 666785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 38.2 | 30.5 | 45.7 |
| 65 | 19.9 | 15.9 | 23.9 |

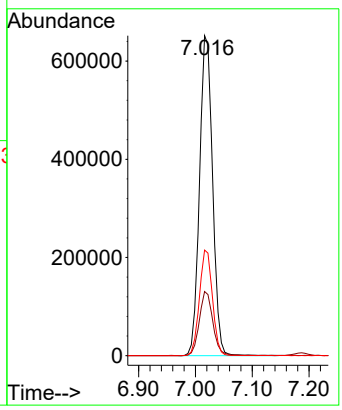





#7
Phenol-d6
Concen: 39.345 ng
RT: 7.016 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 99 Resp: 104164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.1 | 15.0 | 22.6 |
| 71 | 33.0 | 25.9 | 38.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
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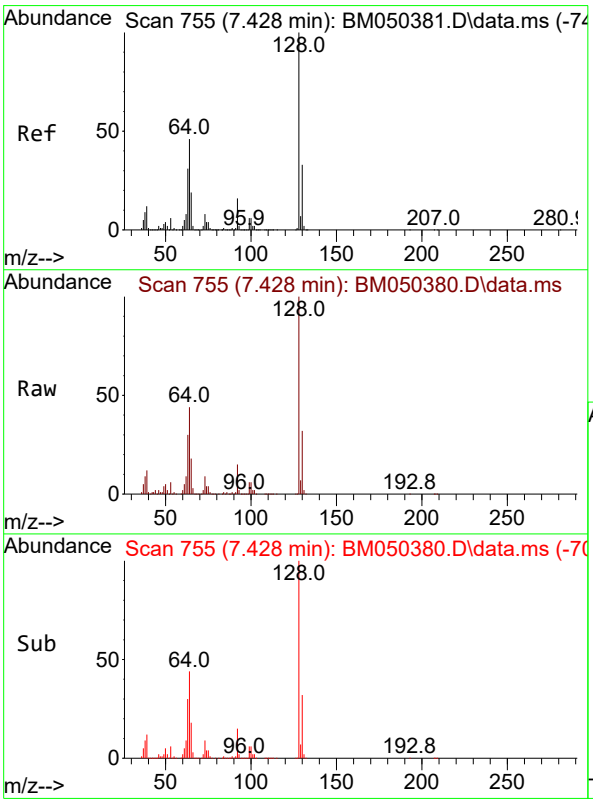
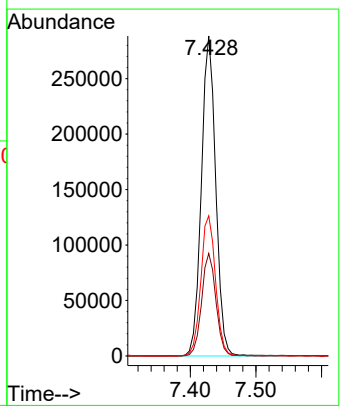
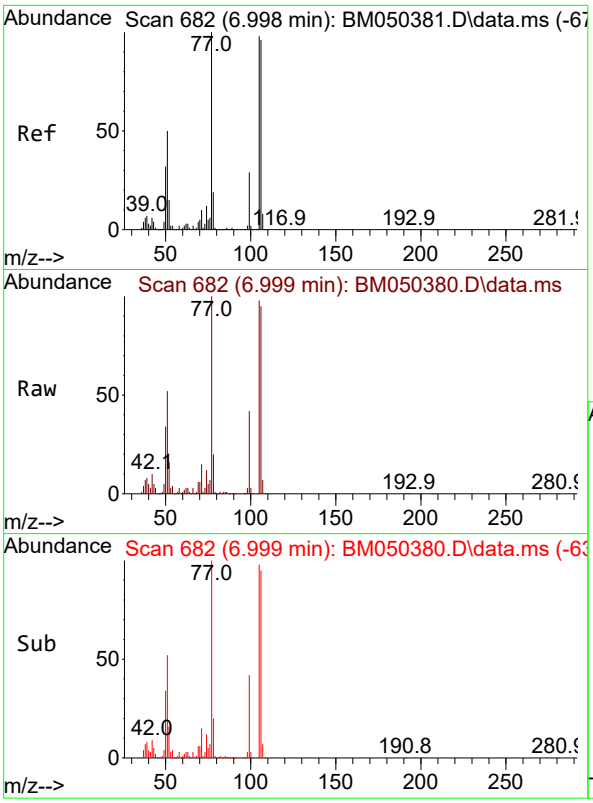



#8
2-Chlorophenol
Concen: 19.898 ng
RT: 7.428 min Scan# 755
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:128 Resp: 440657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.0 | 13.3 | 53.3 |
| 64 | 43.8 | 25.6 | 65.6 |

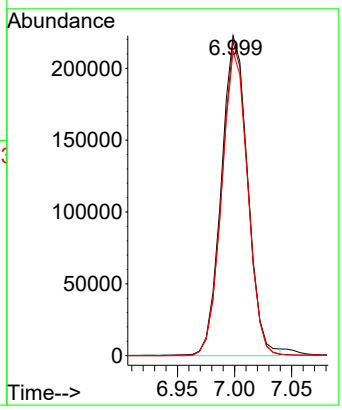





#9
Benzaldehyde
Concen: 22.600 ng m
RT: 6.999 min Scan# 6
Delta R.T. 0.001 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 77 Resp: 35596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 98.1 | 78.4 | 118.4 |
| 106 | 95.2 | 76.3 | 116.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

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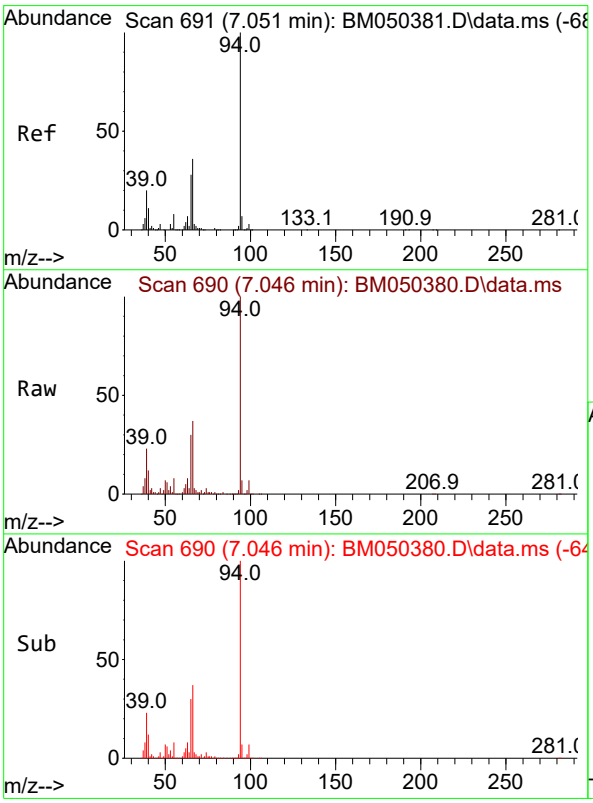
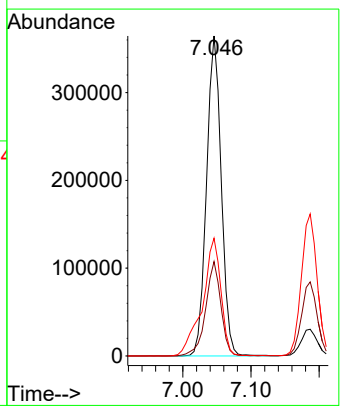
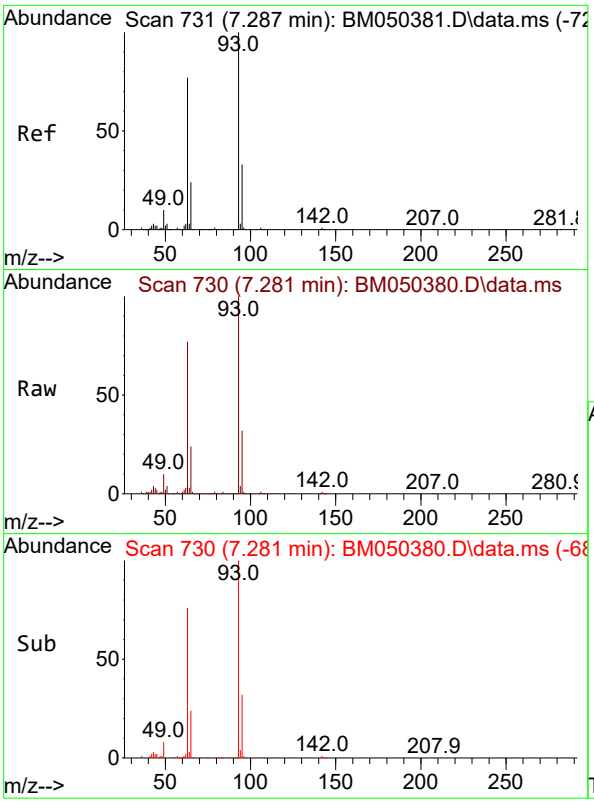



#10
Phenol
Concen: 19.845 ng
RT: 7.046 min Scan# 690
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 94 Resp: 548000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.5 | 8.1 | 48.1 |
| 66 | 36.8 | 15.8 | 55.8 |

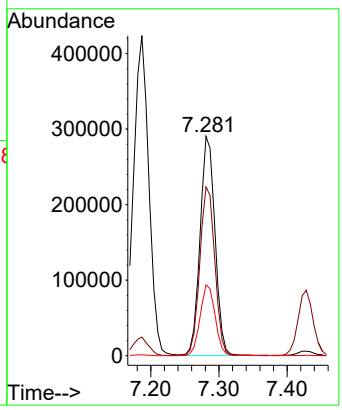





#11
bis(2-Chloroethyl)ether
Concen: 20.000 ng
RT: 7.281 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 93 Resp: 44229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 77.0 | 56.9 | 96.9 |
| 95 | 32.3 | 12.6 | 52.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

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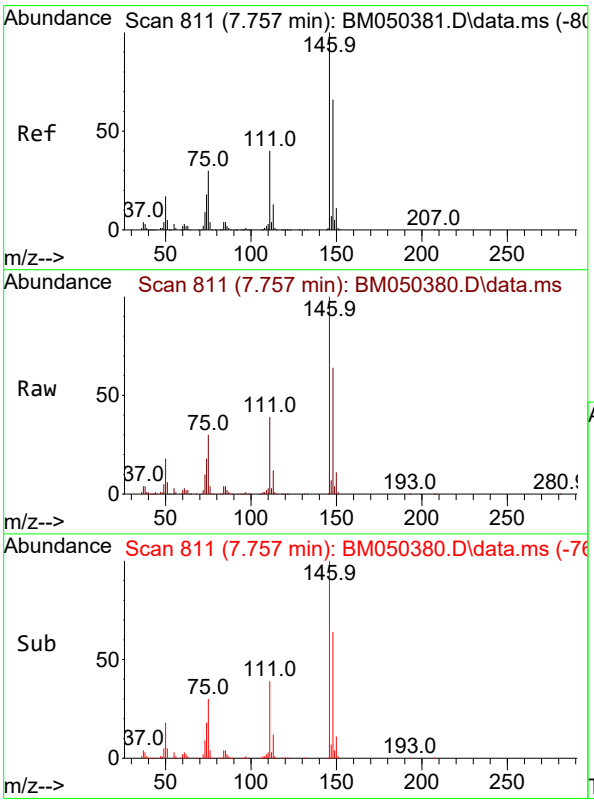
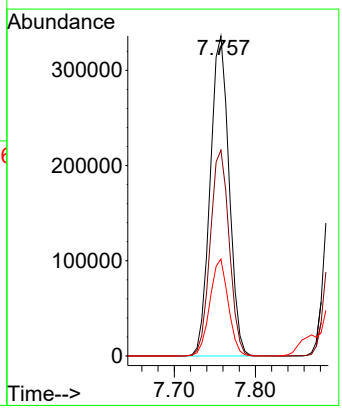
Supervised By :Jagrut Upadhyay 07/09/2025

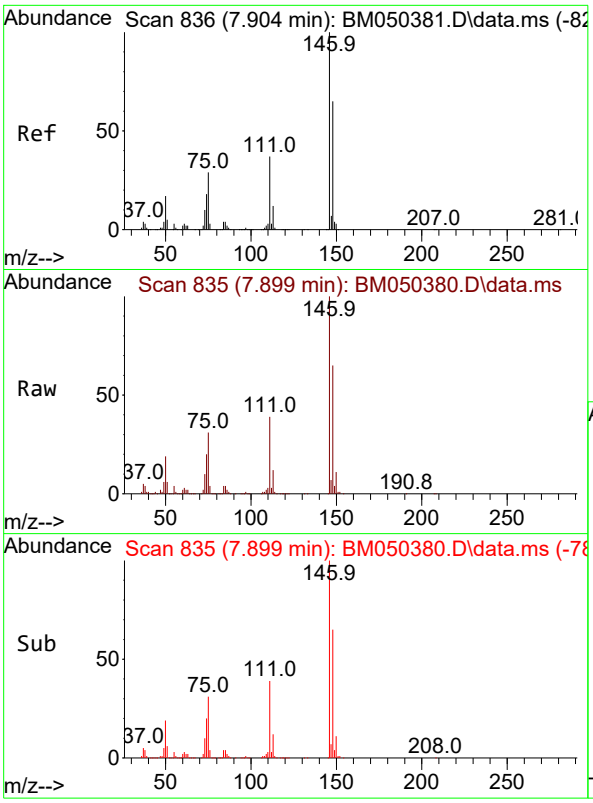



#12
1,3-Dichlorobenzene
Concen: 20.088 ng
RT: 7.757 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:146 Resp: 540913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.3 | 53.2 | 79.8 |
| 75 | 30.3 | 23.9 | 35.9 |

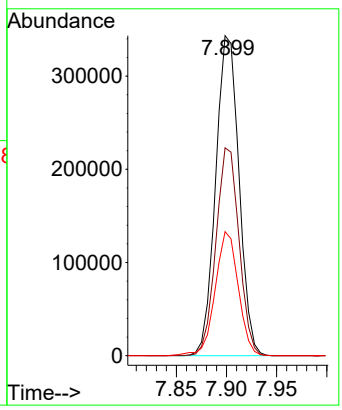





#13
1,4-Dichlorobenzene
Concen: 20.200 ng
RT: 7.899 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:146 Resp: 55541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.9 | 51.9 | 77.9 |
| 111 | 38.8 | 30.0 | 45.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
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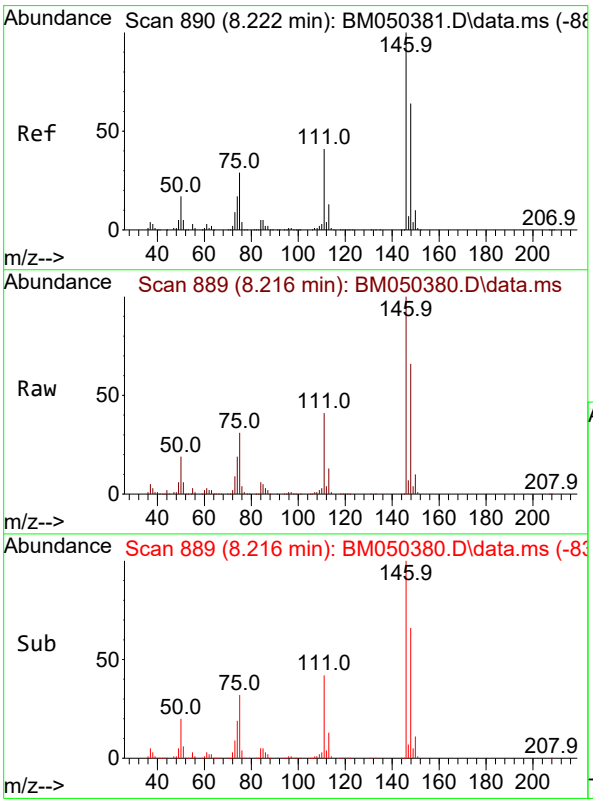
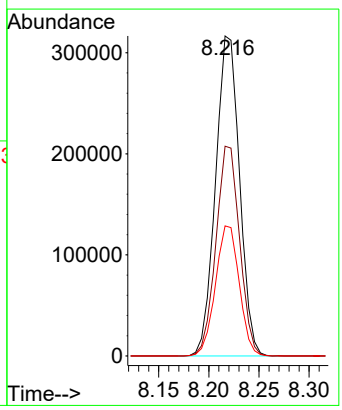
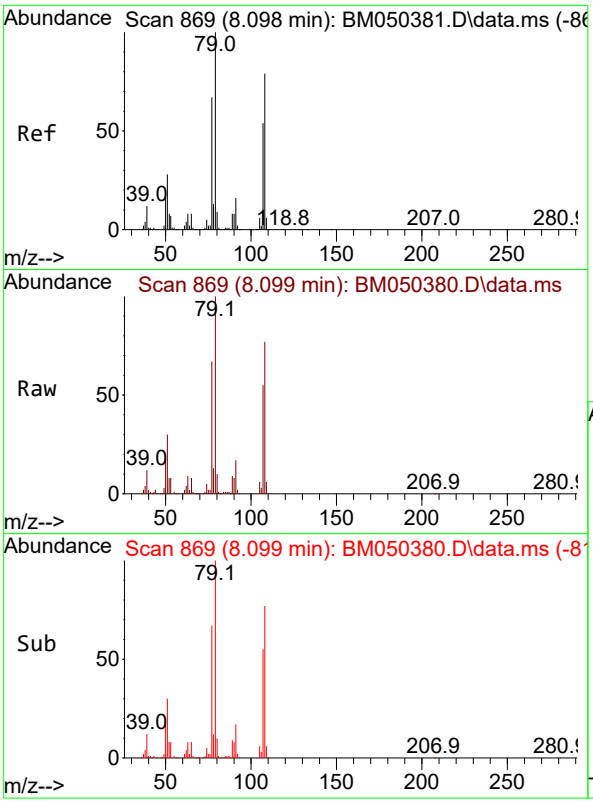



#14
1,2-Dichlorobenzene
Concen: 19.966 ng
RT: 8.216 min Scan# 889
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:146 Resp: 525580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.5 | 51.5 | 77.3 |
| 111 | 40.6 | 32.6 | 49.0 |






#15
Benzyl Alcohol
Concen: 19.292 ng
RT: 8.099 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 79 Resp: 35986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 77.3 | 63.0 | 94.4 |
| 77 | 66.7 | 53.4 | 80.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
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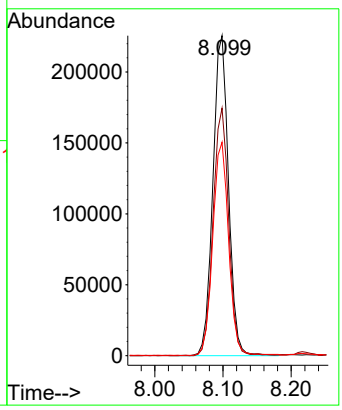
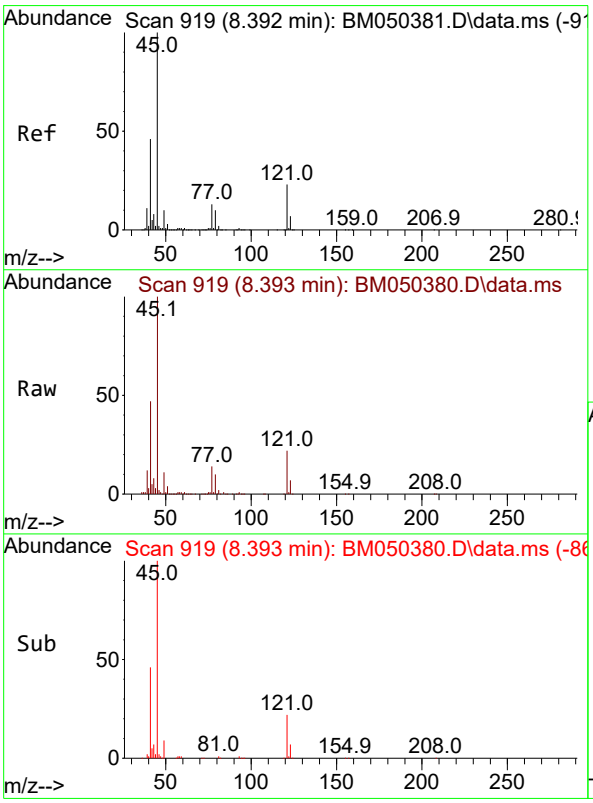
Supervised By :Jagrut Upadhyay 07/09/2025

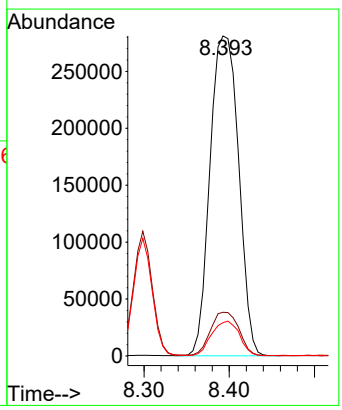


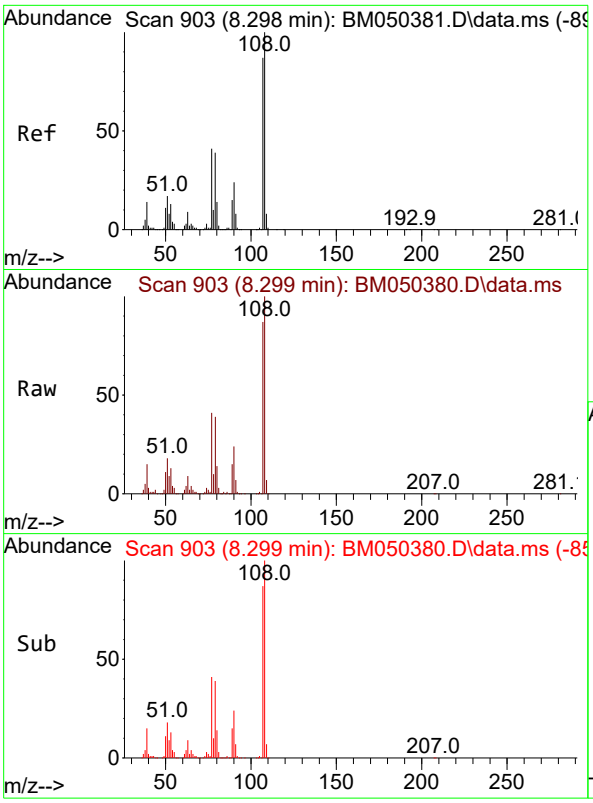




#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.176 ng
RT: 8.393 min Scan# 919
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 45 Resp: 657213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 13.7 | 0.0 | 33.5 |
| 79 | 10.4 | 0.0 | 30.3 |

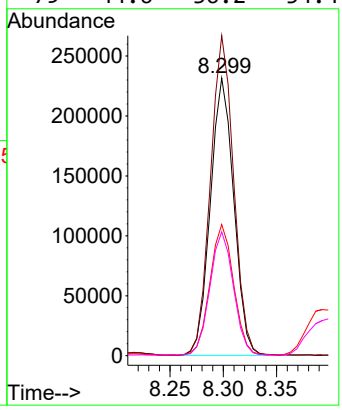





#17
2-Methylphenol
Concen: 19.772 ng
RT: 8.299 min Scan# 9(
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:107 Resp: 35411(

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 115.2 | 92.1 | 138.1 |
| 77 | 47.3 | 38.2 | 57.4 |
| 79 | 44.6 | 36.2 | 54.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
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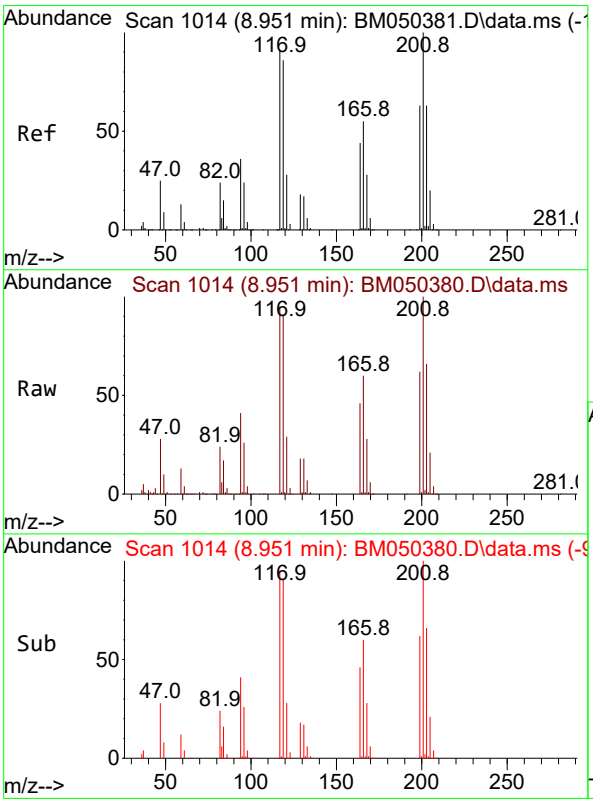
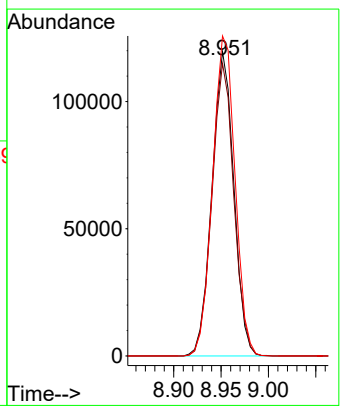
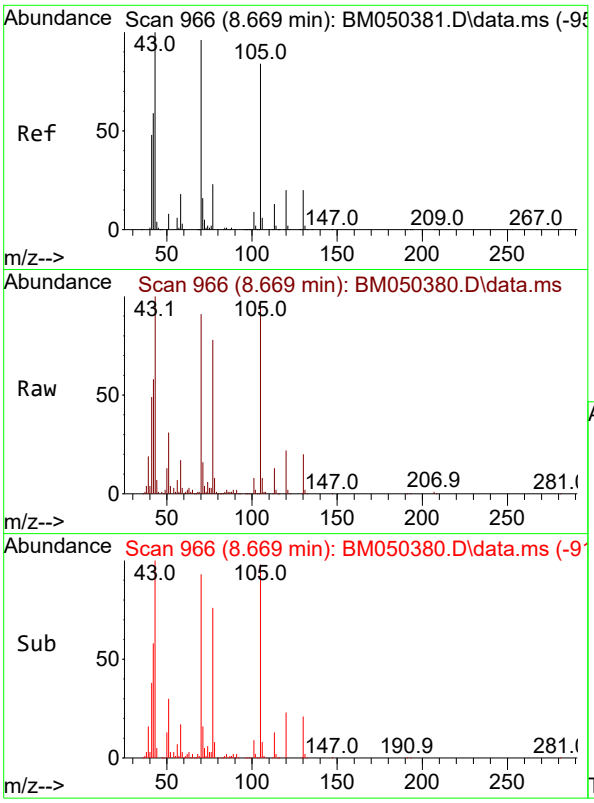



#18
Hexachloroethane
Concen: 19.883 ng
RT: 8.951 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:117 Resp: 192269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.1 | 75.6 | 113.4 |
| 201 | 105.2 | 87.9 | 131.9 |

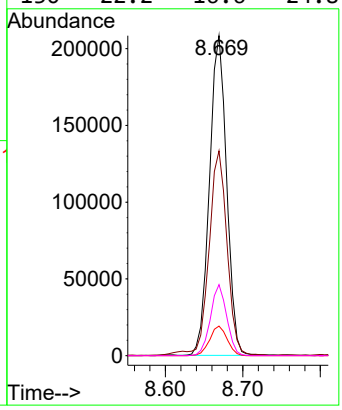





#19
n-Nitroso-di-n-propylamine
Concen: 20.010 ng
RT: 8.669 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 70 Resp: 32093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 64.0 | 49.7 | 74.5 |
| 101 | 9.2 | 7.7 | 11.5 |
| 130 | 22.2 | 16.6 | 24.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
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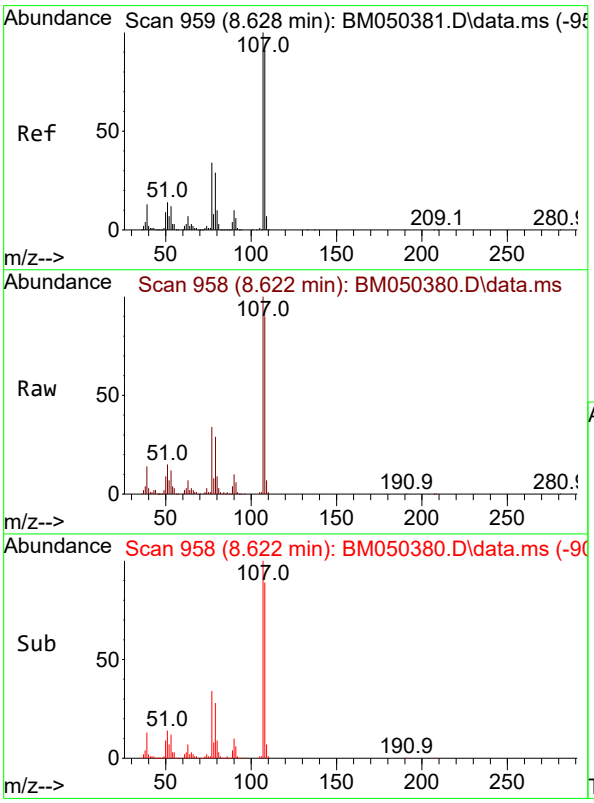
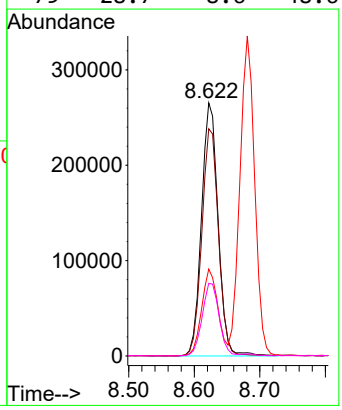
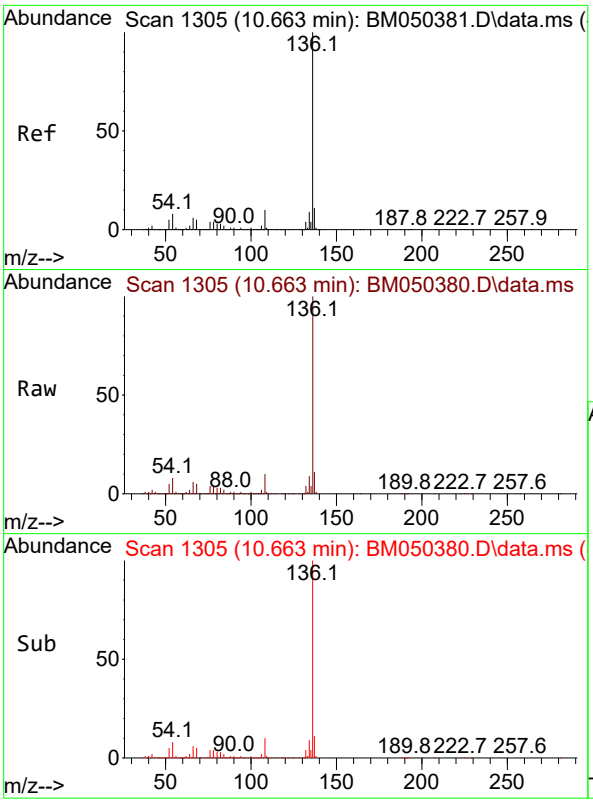



#20
3+4-Methylphenols
Concen: 19.493 ng
RT: 8.622 min Scan# 958
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:107 Resp: 468665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.7 | 71.5 | 111.5 |
| 77 | 34.3 | 13.7 | 53.7 |
| 79 | 28.7 | 8.6 | 48.6 |

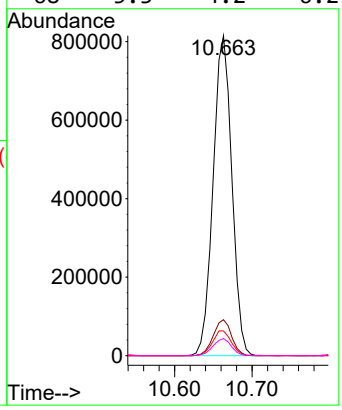





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:136 Resp: 136491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.8 | 13.2 |
| 54 | 7.7 | 6.3 | 9.5 |
| 68 | 5.3 | 4.2 | 6.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
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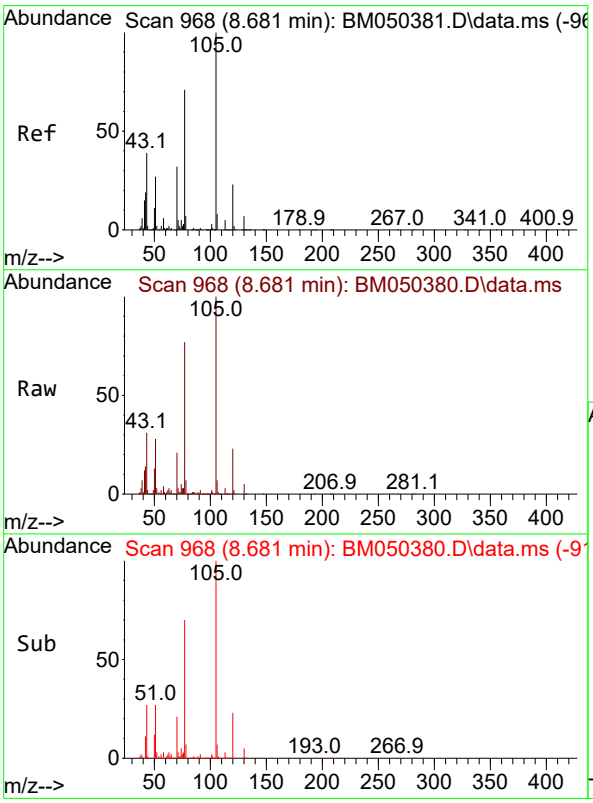
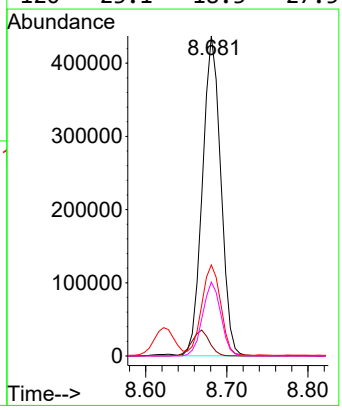
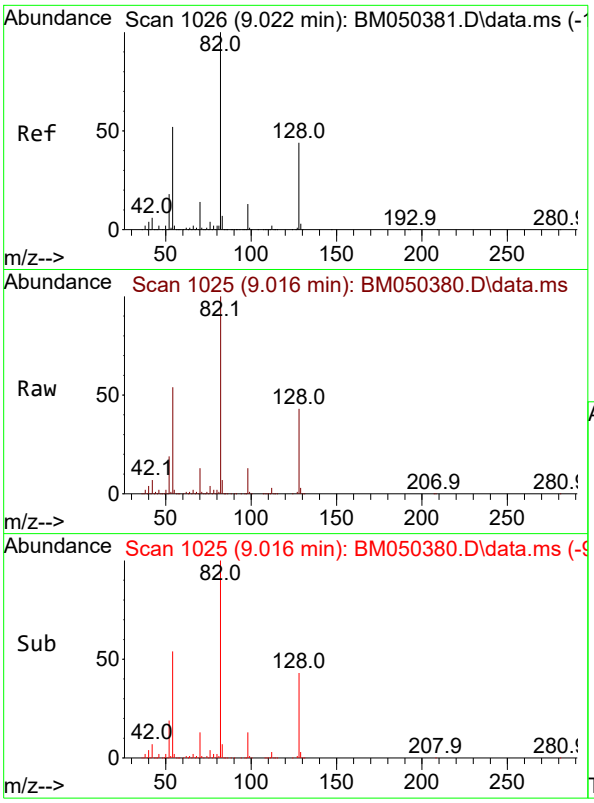



#22
Acetophenone
Concen: 20.046 ng
RT: 8.681 min Scan# 968
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:105 Resp: 684104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 3.3 | 4.4 | 6.6# |
| 51 | 28.4 | 23.0 | 34.6 |
| 120 | 23.1 | 18.3 | 27.5 |

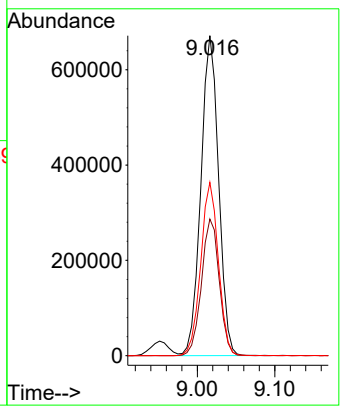





#23
Nitrobenzene-d5
Concen: 39.813 ng
RT: 9.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 82 Resp: 106513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.7 | 35.2 | 52.8 |
| 54 | 54.1 | 41.5 | 62.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

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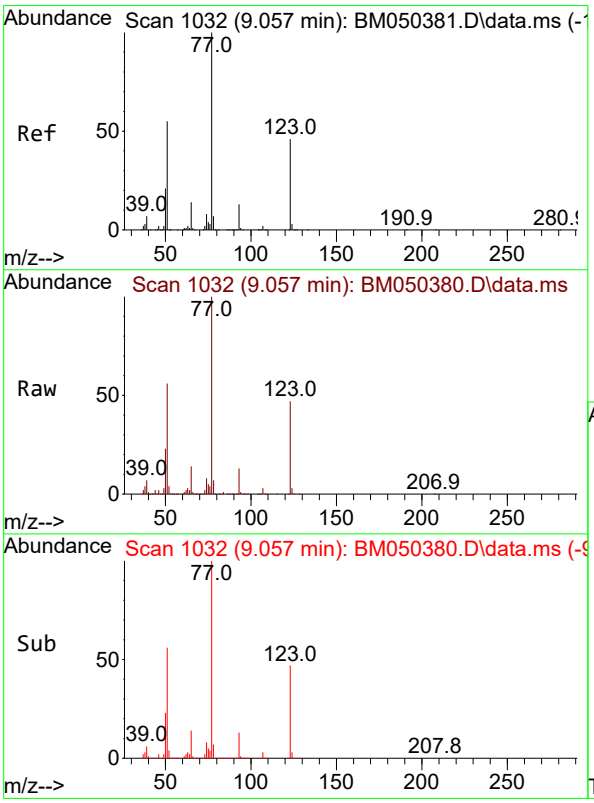
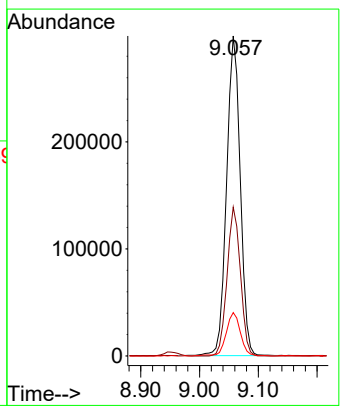
Supervised By :Jagrut Upadhyay 07/09/2025

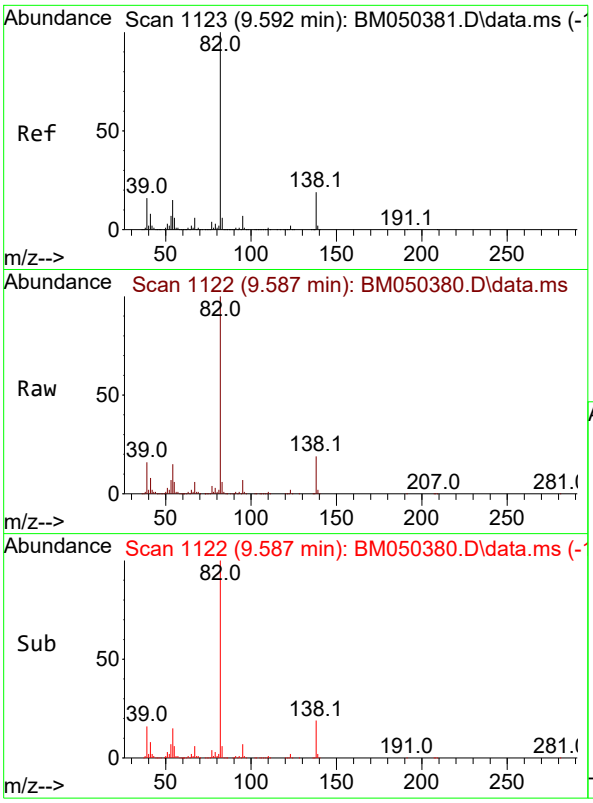



#24
Nitrobenzene
Concen: 20.179 ng
RT: 9.057 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 77 Resp: 481755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.5 | 37.0 | 55.6 |
| 65 | 13.5 | 11.0 | 16.4 |

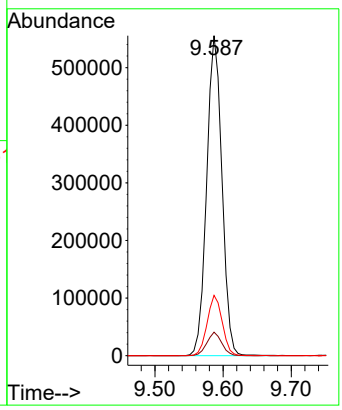





#25
Isophorone
Concen: 19.946 ng
RT: 9.587 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 82 Resp: 86591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.3 | 5.6 | 8.4 |
| 138 | 18.8 | 15.3 | 22.9 |




**Instrument :**
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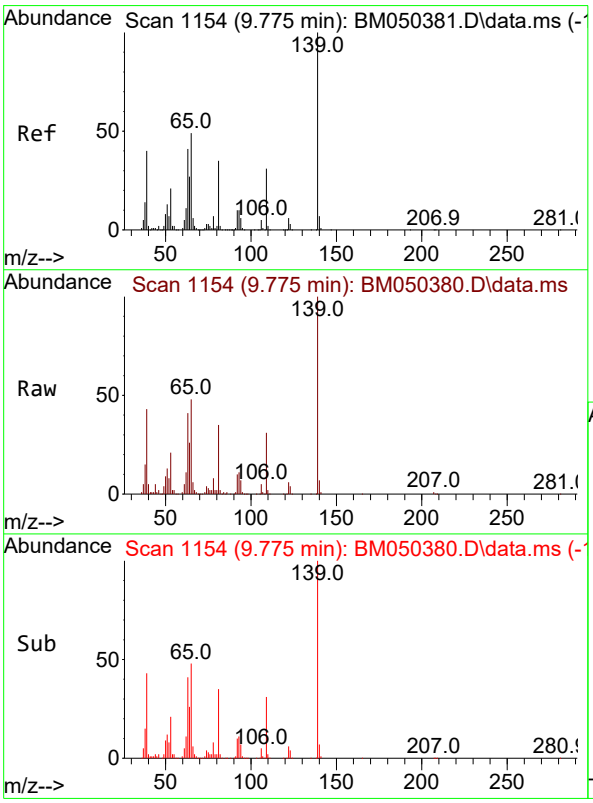
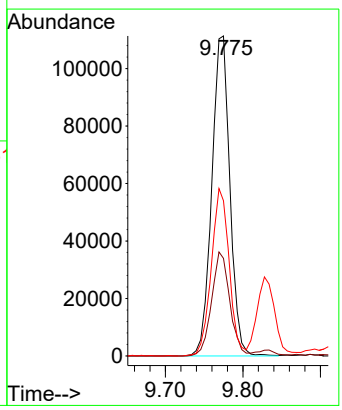
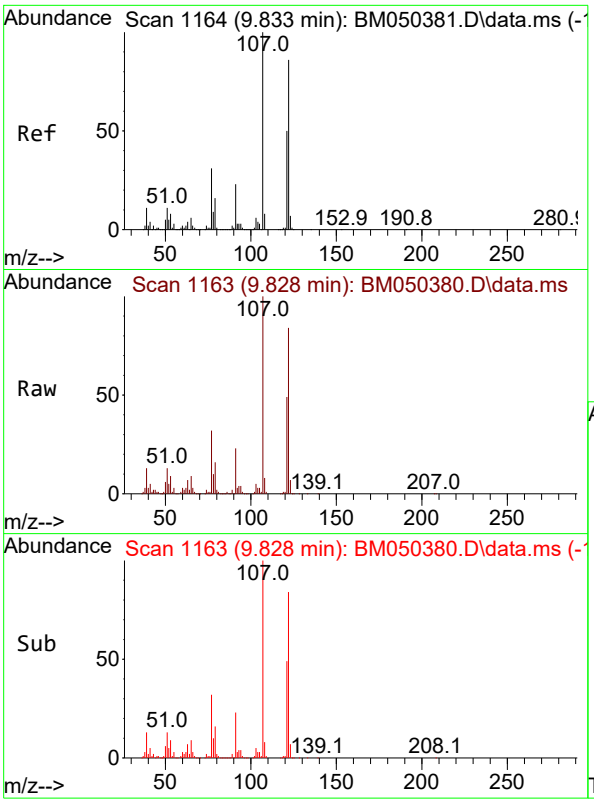



#26
2-Nitrophenol
Concen: 18.532 ng
RT: 9.775 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:139 Resp: 180315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 30.5 | 24.6 | 36.8 |
| 65 | 48.5 | 39.2 | 58.8 |

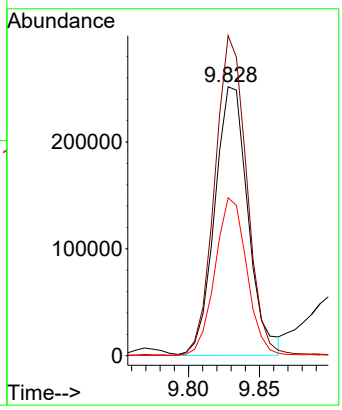





#27
2,4-Dimethylphenol
Concen: 19.828 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:122 Resp: 41052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 119.0 | 93.0 | 139.6 |
| 121 | 58.7 | 46.1 | 69.1 |




**Instrument :**
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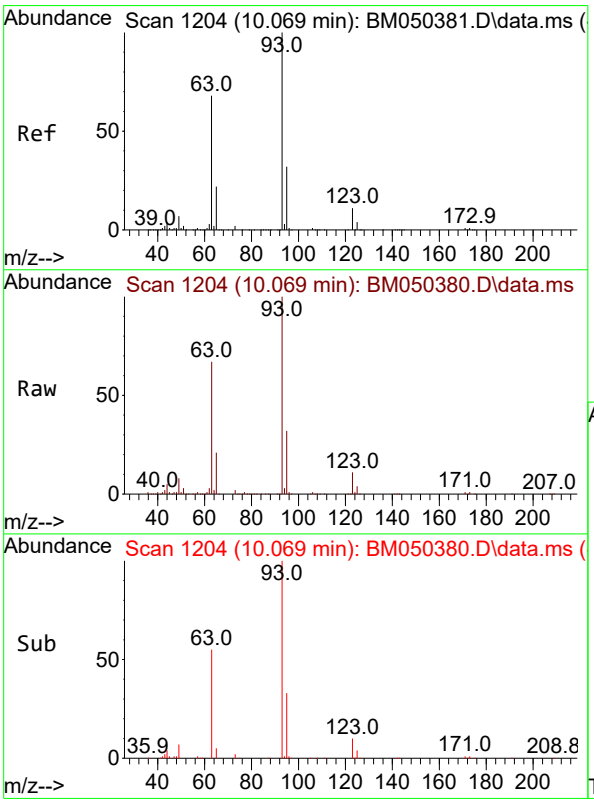
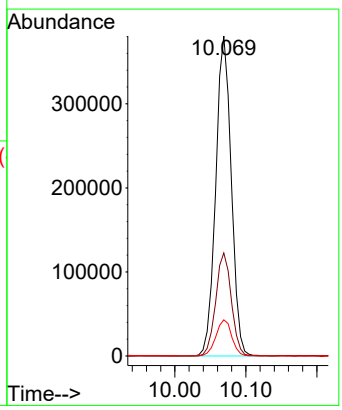
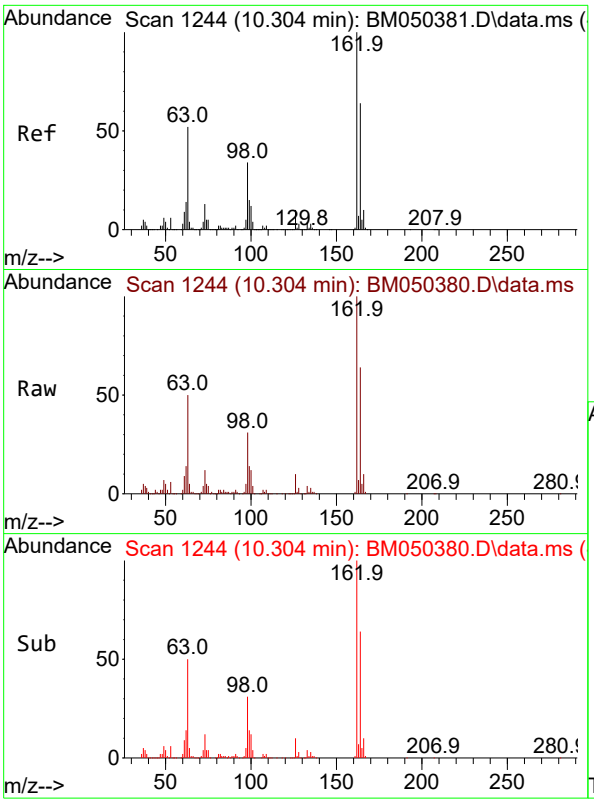



#28
bis(2-Chloroethoxy)methane
Concen: 20.023 ng
RT: 10.069 min Scan# 1204
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 93 Resp: 575979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.2 | 25.8 | 38.6 |
| 123 | 11.3 | 9.1 | 13.7 |

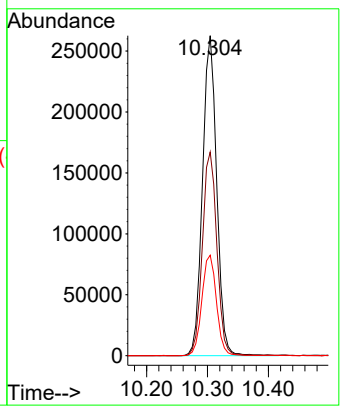





#29
2,4-Dichlorophenol
Concen: 19.970 ng
RT: 10.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:162 Resp: 42477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.7 | 43.7 | 83.7 |
| 98 | 31.4 | 13.7 | 53.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

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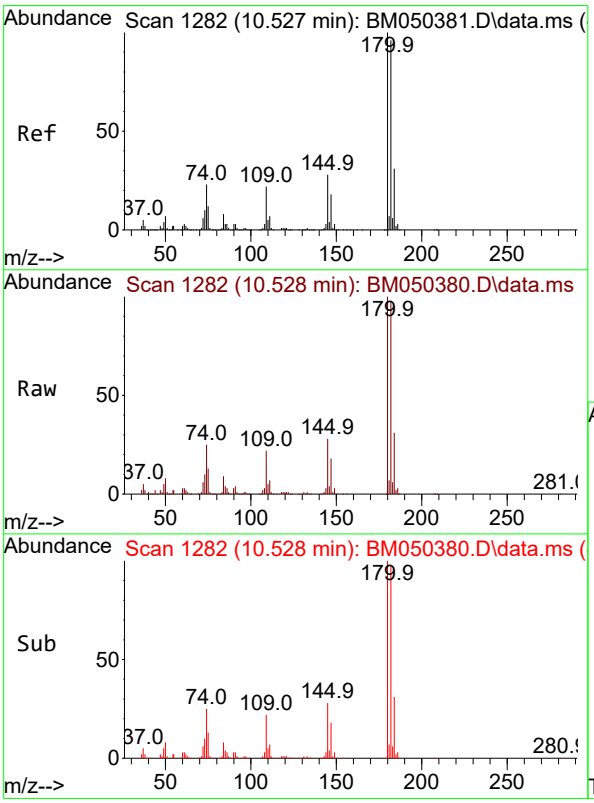
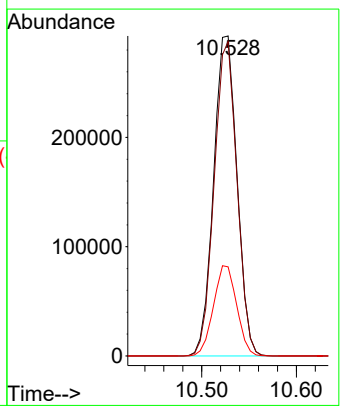
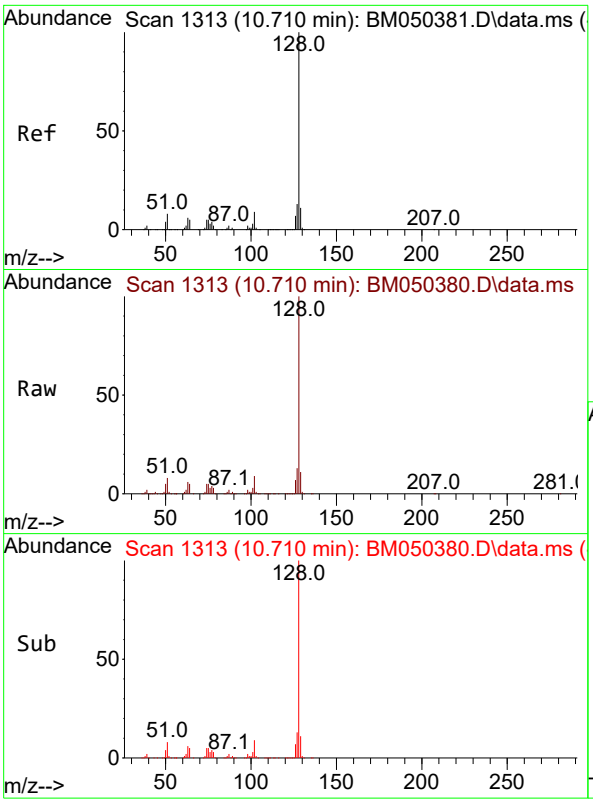



#30
1,2,4-Trichlorobenzene
Concen: 19.769 ng
RT: 10.528 min Scan# 1282
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:180 Resp: 503042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 98.3 | 76.8 | 115.2 |
| 145 | 27.9 | 22.6 | 33.8 |

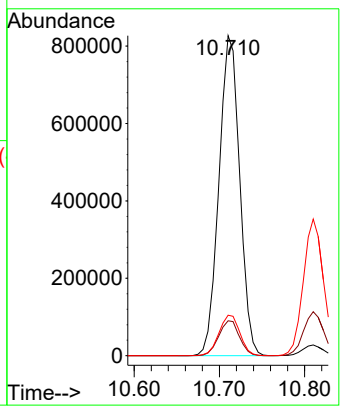





#31
Naphthalene
Concen: 20.160 ng
RT: 10.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:128 Resp: 139768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.8 | 13.2 |
| 127 | 12.7 | 10.4 | 15.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

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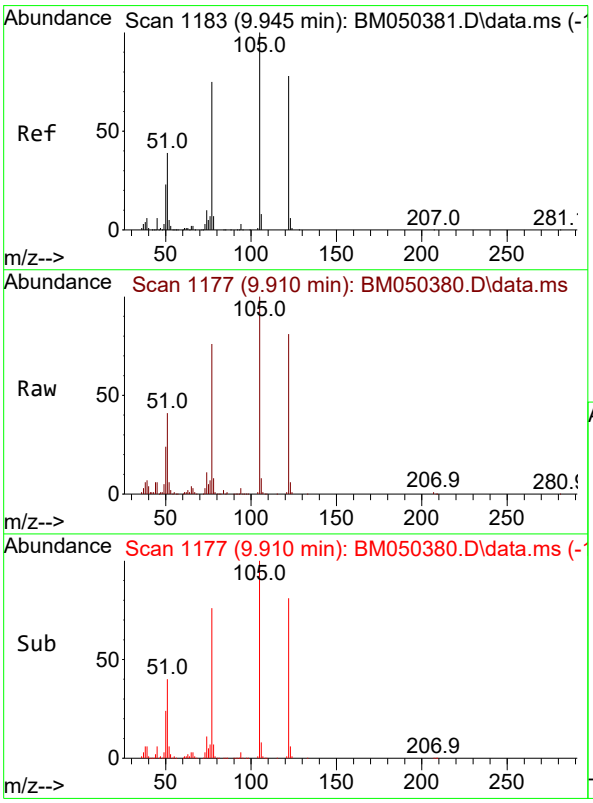
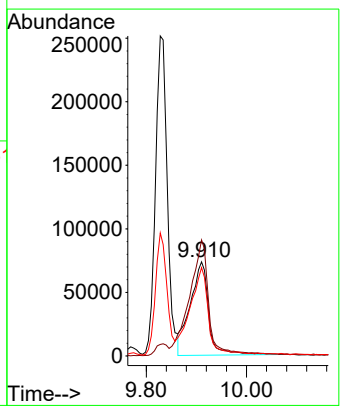
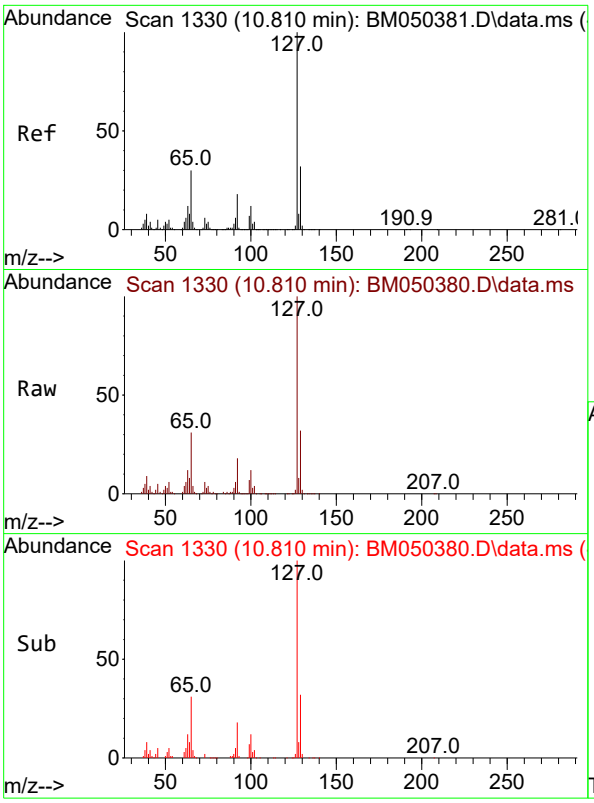



#32
Benzoic acid
Concen: 19.011 ng
RT: 9.910 min Scan# 1177
Delta R.T. -0.035 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:122 Resp: 189237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 123.3 | 104.0 | 144.0 |
| 77 | 93.9 | 73.8 | 113.8 |

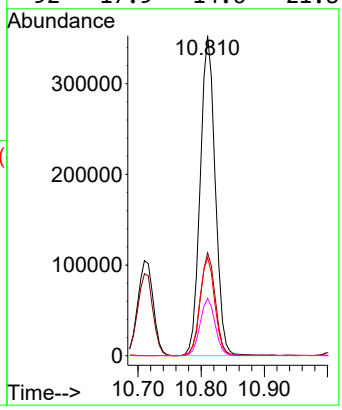





#33
4-Chloroaniline
Concen: 19.867 ng
RT: 10.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:127 Resp: 58227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.2 | 25.5 | 38.3 |
| 65 | 30.7 | 23.9 | 35.9 |
| 92 | 17.9 | 14.6 | 21.8 |




**Instrument :**
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**ClientSampleId :**
SSTDICC020

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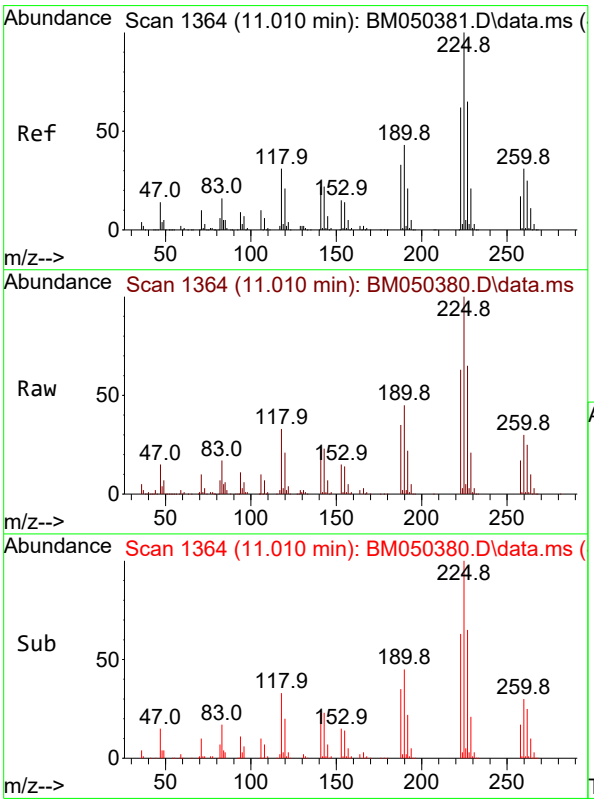
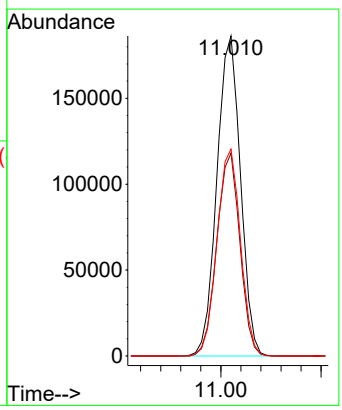
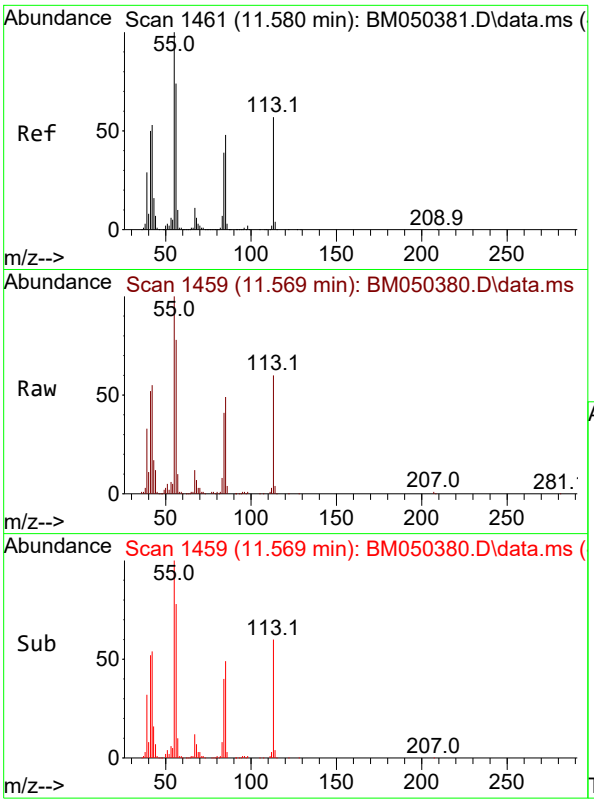



#34
Hexachlorobutadiene
Concen: 19.552 ng
RT: 11.010 min Scan# 1364
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:225 Resp: 303657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.4 | 49.7 | 74.5 |
| 227 | 64.7 | 52.1 | 78.1 |






#35
Caprolactam
Concen: 18.951 ng
RT: 11.569 min Scan# 14
Delta R.T. -0.011 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:113 Resp: 11004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 167.1 | 157.2 | 197.2 |
| 56 | 130.0 | 111.7 | 151.7 |

**Instrument :**
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SSTDICC020

**Manual Integrations**
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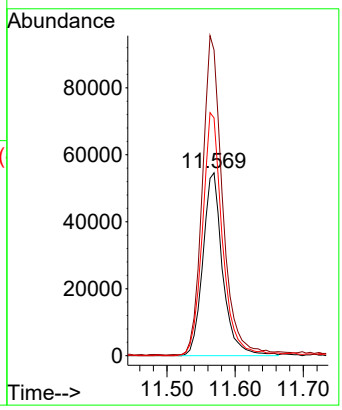
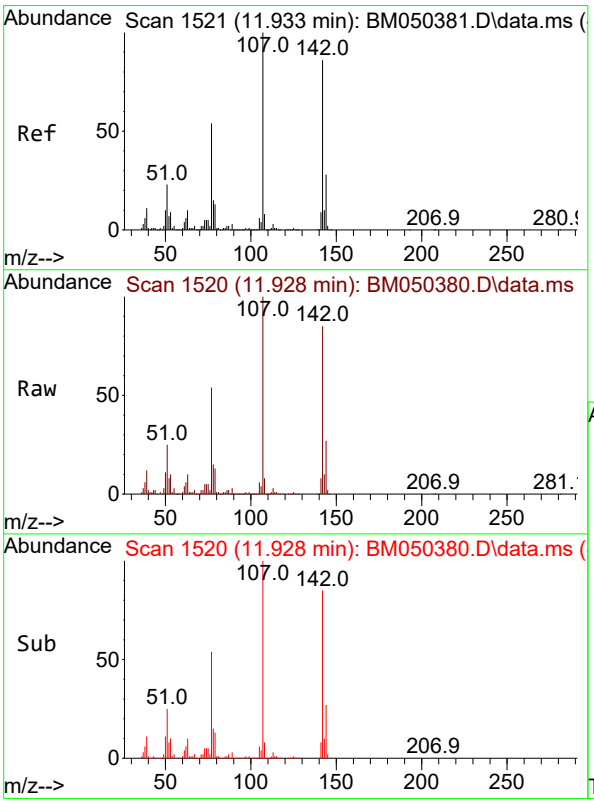
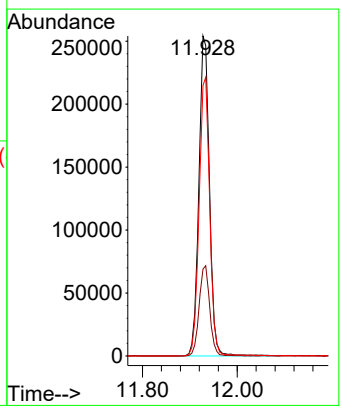


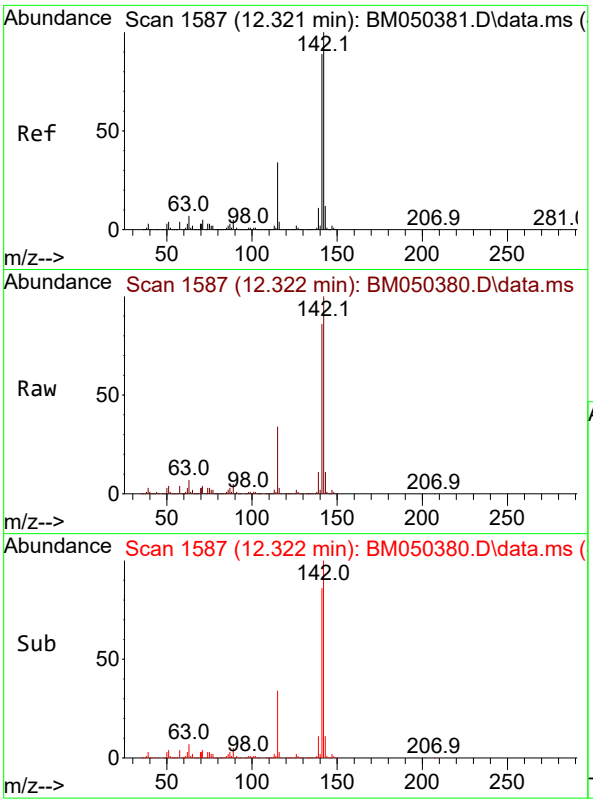




#36
4-Chloro-3-methylphenol
Concen: 19.804 ng
RT: 11.928 min Scan# 1520
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:107 Resp: 393366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 27.2 | 22.2 | 33.4 |
| 142 | 84.5 | 68.7 | 103.1 |

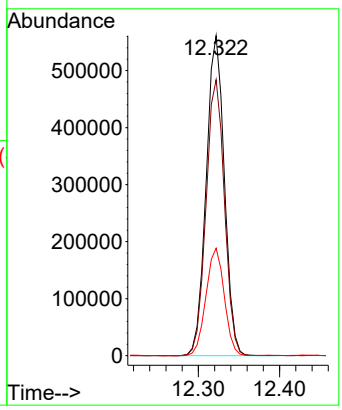





#37
2-Methylnaphthalene
Concen: 19.906 ng
RT: 12.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:142 Resp: 87136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 86.3 | 70.8 | 106.2 |
| 115 | 33.6 | 27.0 | 40.4 |




**Instrument :**
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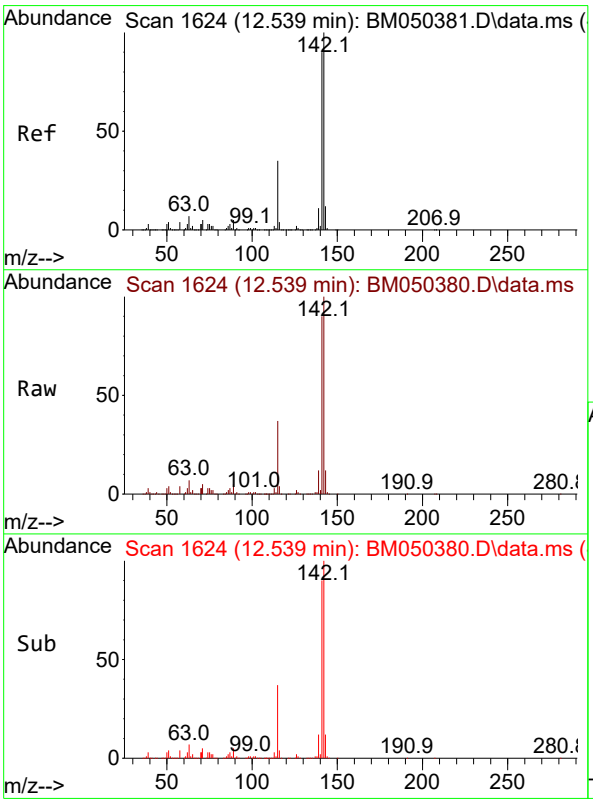
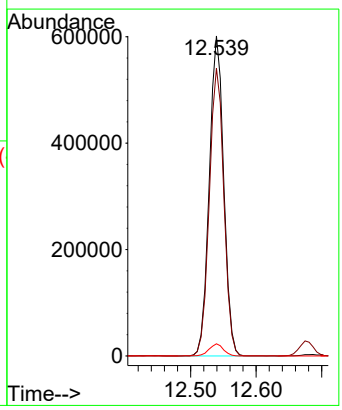
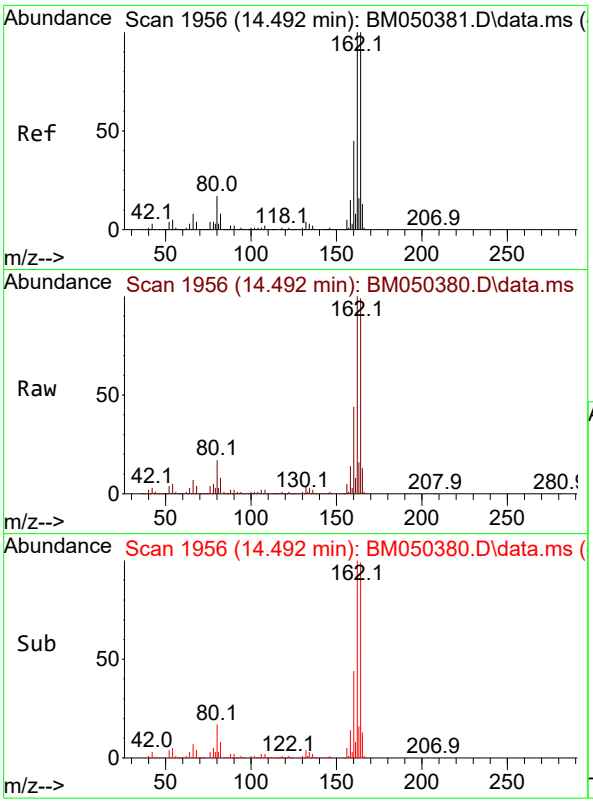



#38
1-Methylnaphthalene
Concen: 19.872 ng
RT: 12.539 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:142 Resp: 920592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.0 | 71.9 | 107.9 |
| 116 | 3.8 | 3.0 | 4.6 |

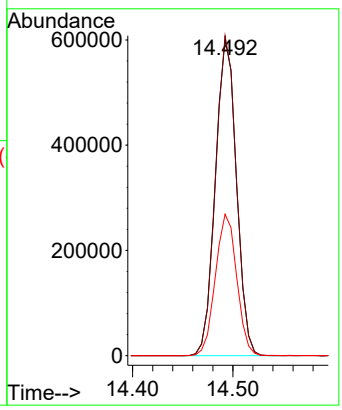





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:164 Resp: 87917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.2 | 79.9 | 119.9 |
| 160 | 44.7 | 36.2 | 54.4 |

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SSTDICC020

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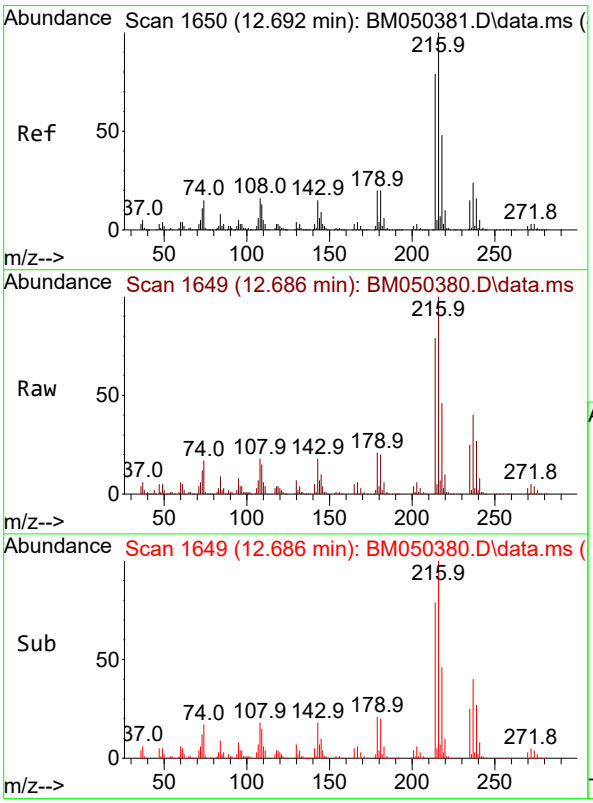
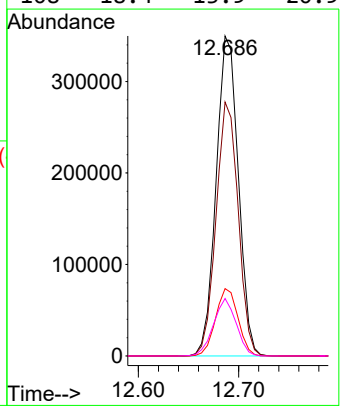
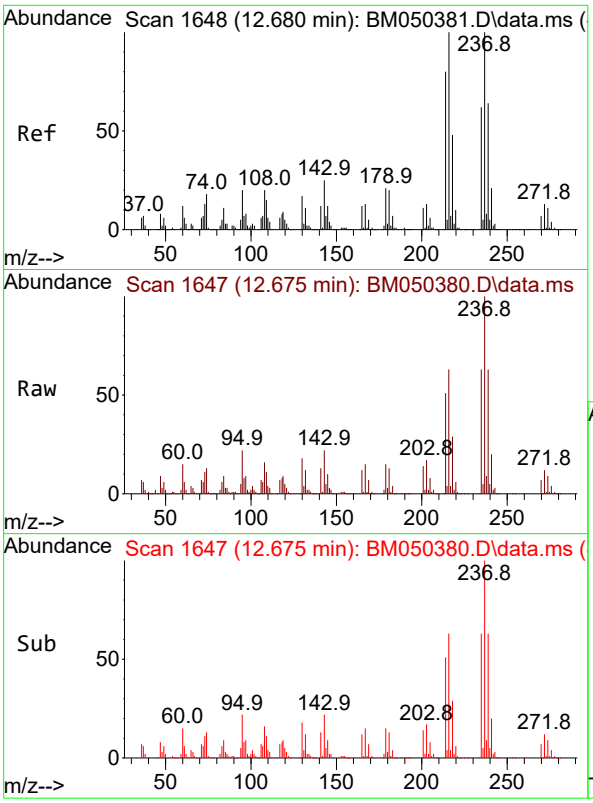



#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.205 ng
RT: 12.686 min Scan# 1649
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:216 Resp: 536934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.1 | 63.3 | 94.9 |
| 179 | 21.3 | 16.4 | 24.6 |
| 108 | 18.4 | 13.9 | 20.9 |

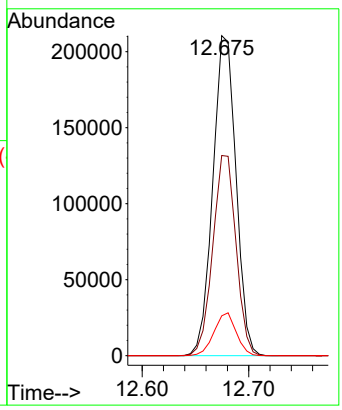





#41
Hexachlorocyclopentadiene
Concen: 17.766 ng
RT: 12.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:237 Resp: 31750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.6 | 42.3 | 82.3 |
| 272 | 12.5 | 0.0 | 33.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
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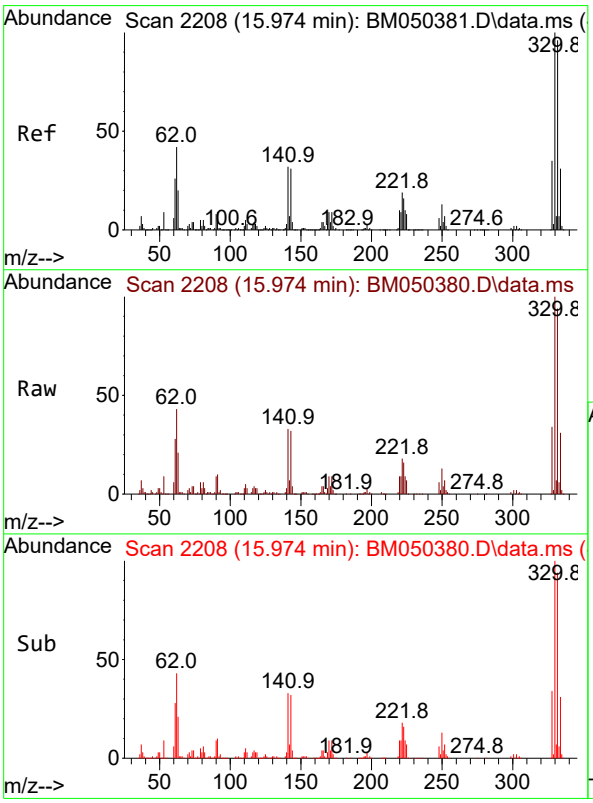
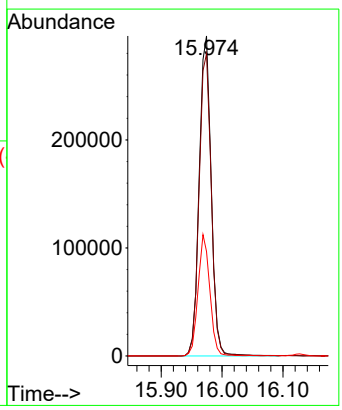
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

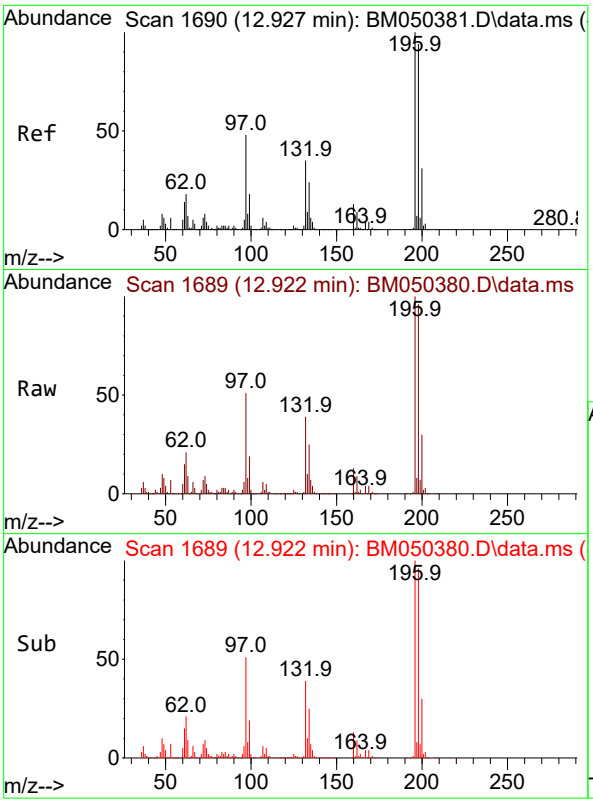



#42
2,4,6-Tribromophenol
Concen: 37.846 ng
RT: 15.974 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:330 Resp: 404270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.8 | 76.9 | 115.3 |
| 141 | 37.3 | 27.4 | 41.0 |






#43
2,4,6-Trichlorophenol
Concen: 19.263 ng
RT: 12.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:196 Resp: 33150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.4 | 75.1 | 112.7 |
| 200 | 29.8 | 24.6 | 37.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
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Reviewed By :Rahul Chavli 07/09/2025
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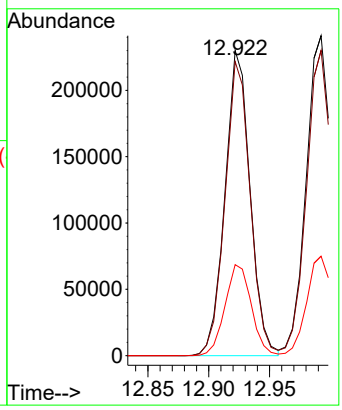
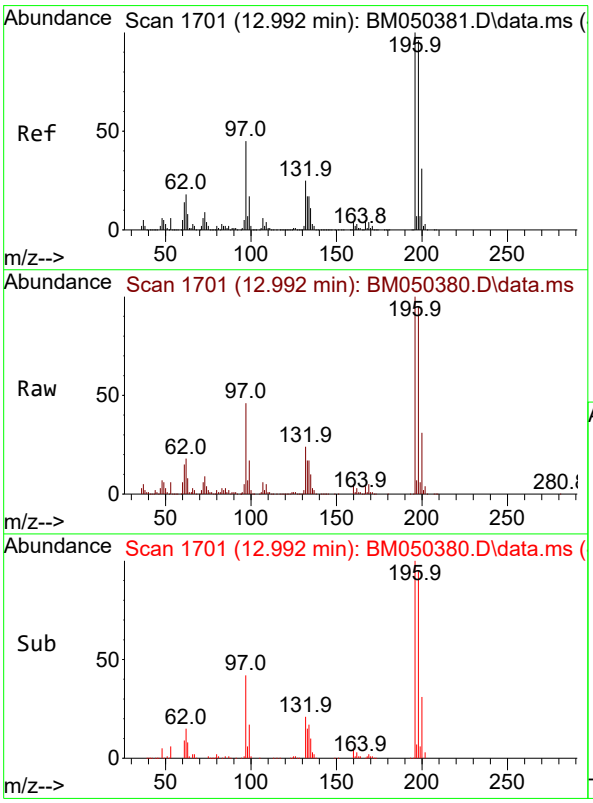
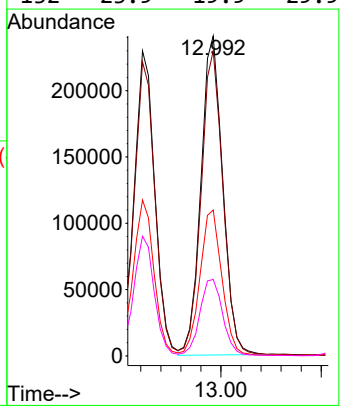


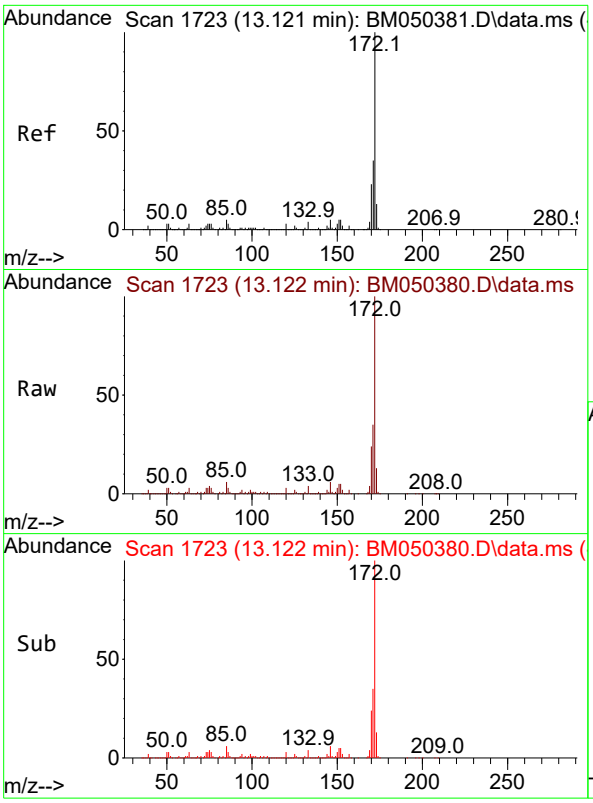




#44
2,4,5-Trichlorophenol
Concen: 19.408 ng
RT: 12.992 min Scan# 1701
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:196 Resp: 364770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.4 | 77.2 | 115.8 |
| 97 | 45.6 | 36.2 | 54.4 |
| 132 | 23.9 | 19.9 | 29.9 |

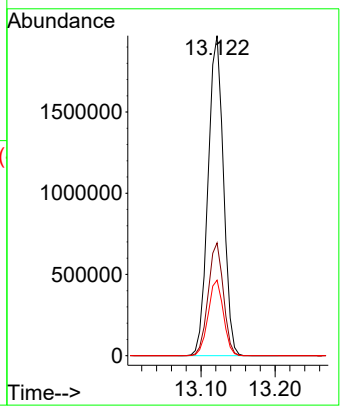





#45
2-Fluorobiphenyl
Concen: 39.780 ng
RT: 13.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:172 Resp: 283199

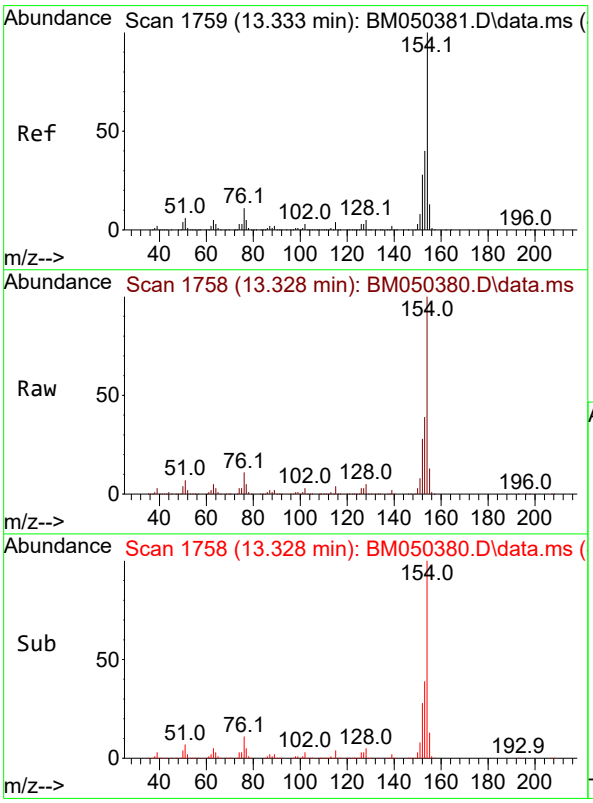
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 27.7 | 41.5 |
| 170 | 23.6 | 18.8 | 28.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**

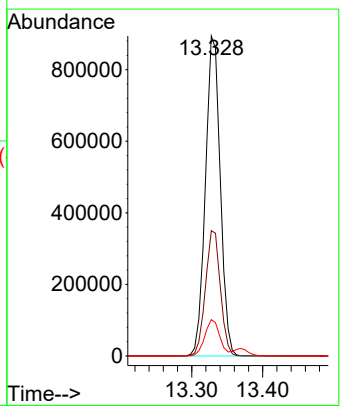
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

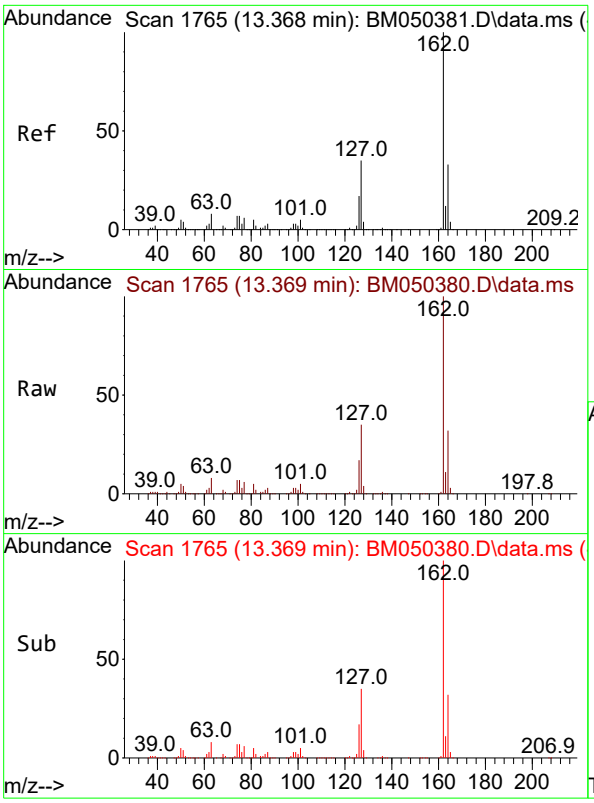



#46
1,1'-Biphenyl
Concen: 19.936 ng
RT: 13.328 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:154 Resp: 1300397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.2 | 19.7 | 59.7 |
| 76 | 11.4 | 0.0 | 30.9 |

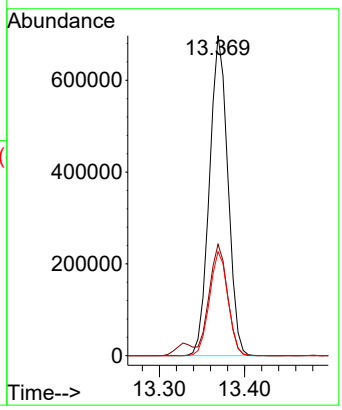





#47
2-Chloronaphthalene
Concen: 20.066 ng
RT: 13.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:162 Resp: 104359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 34.8 | 28.3 | 42.5 |
| 164 | 32.5 | 26.6 | 40.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
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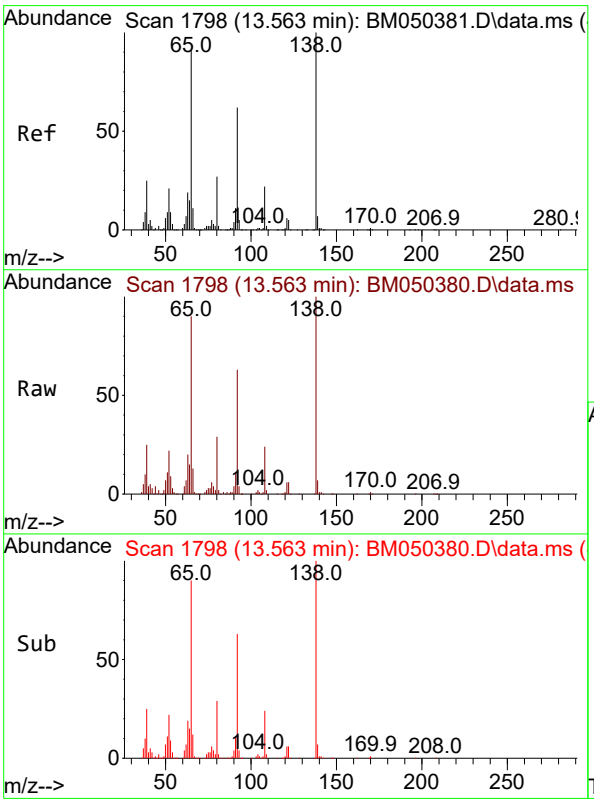
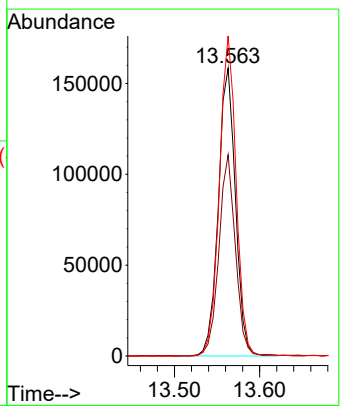
Supervised By :Jagrut Upadhyay 07/09/2025

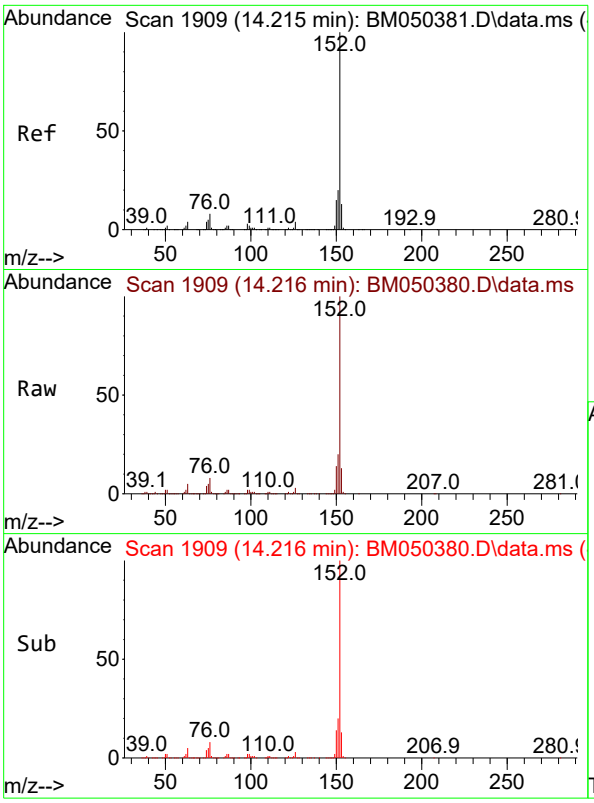



#48
2-Nitroaniline
Concen: 19.132 ng
RT: 13.563 min Scan# 1798
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 65 Resp: 222094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 69.9 | 54.3 | 81.5 |
| 138 | 111.1 | 87.8 | 131.6 |

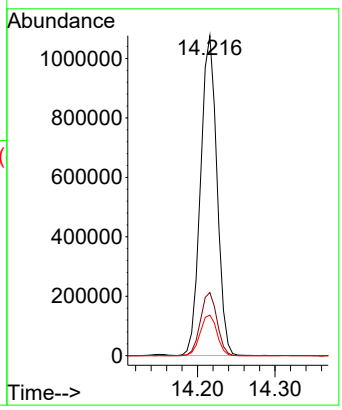





#49
Acenaphthylene
Concen: 20.078 ng
RT: 14.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:152 Resp: 157805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.7 | 16.3 | 24.5 |
| 153 | 12.7 | 10.6 | 15.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
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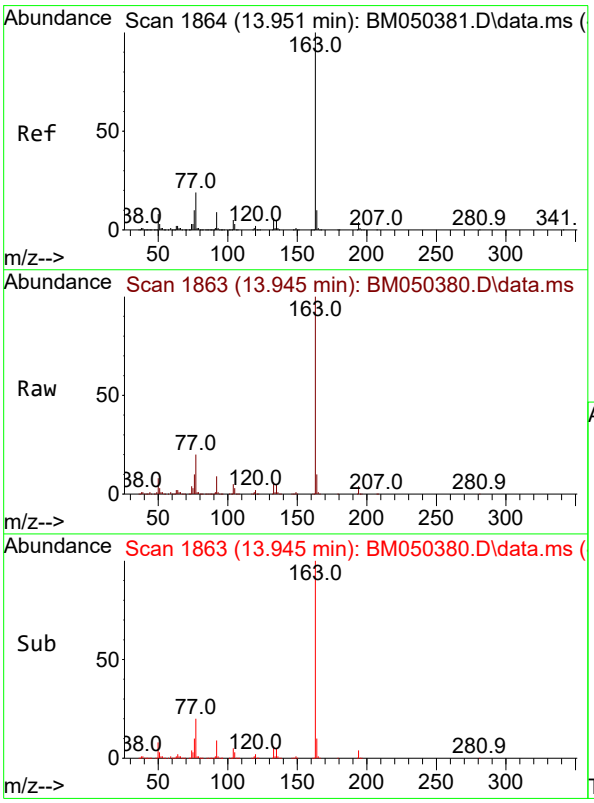
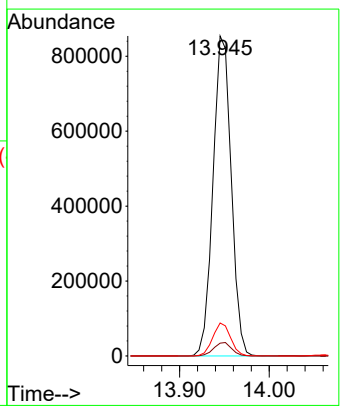
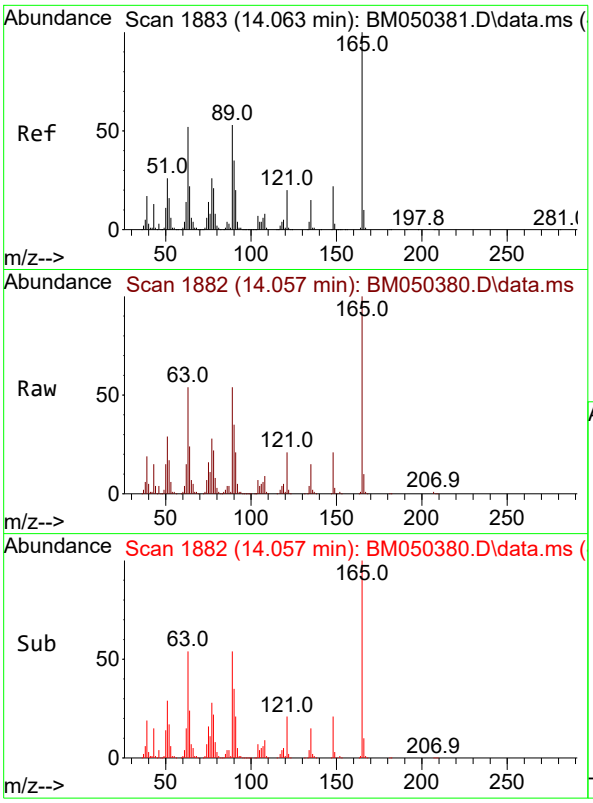



#50
Dimethylphthalate
Concen: 19.873 ng
RT: 13.945 min Scan# 1863
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:163 Resp: 1202901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.4 | 5.2 |
| 164 | 10.3 | 8.2 | 12.2 |






#51
2,6-Dinitrotoluene
Concen: 19.889 ng
RT: 14.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:165 Resp: 23114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 53.6 | 42.4 | 63.6 |
| 89 | 53.7 | 42.2 | 63.2 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
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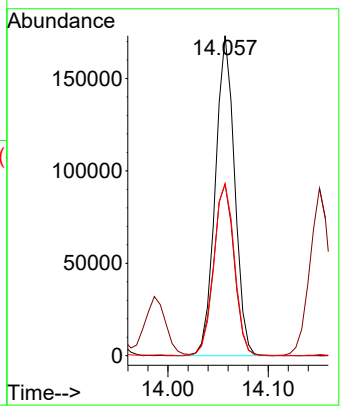
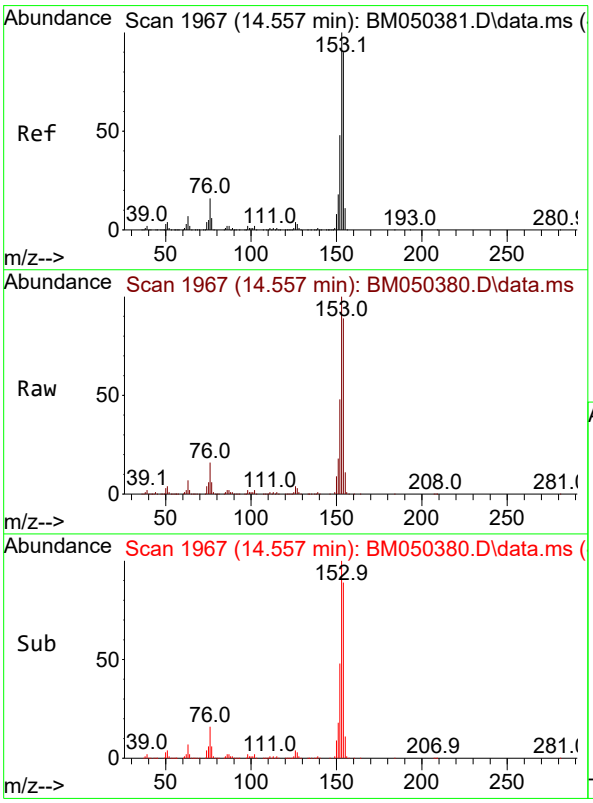
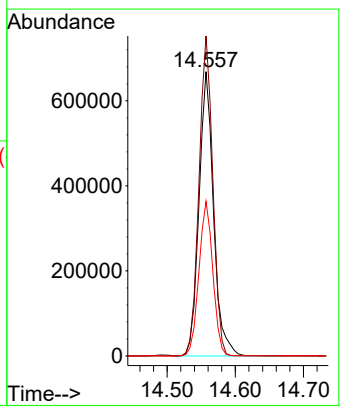


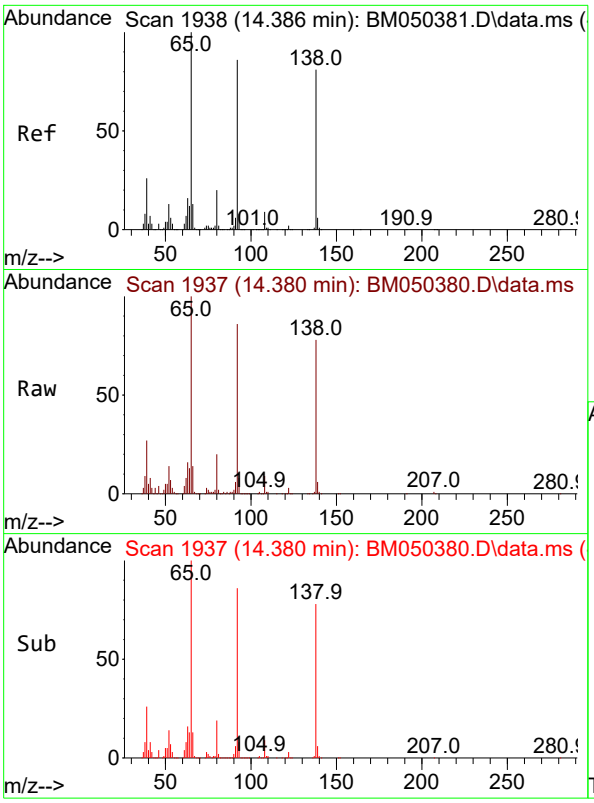




#52
Acenaphthene
Concen: 19.816 ng
RT: 14.557 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:154 Resp: 990178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.5 | 89.2 | 133.8 |
| 152 | 54.3 | 42.6 | 64.0 |






#53
3-Nitroaniline
Concen: 19.779 ng
RT: 14.380 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:138 Resp: 24446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.8 | 8.8 | 13.2 |
| 92 | 110.3 | 85.0 | 127.6 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
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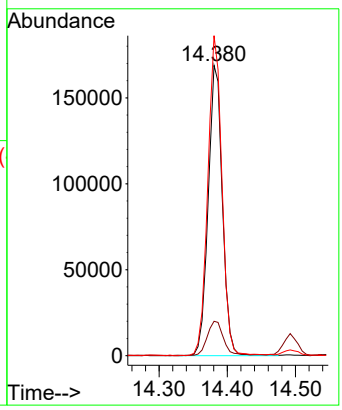
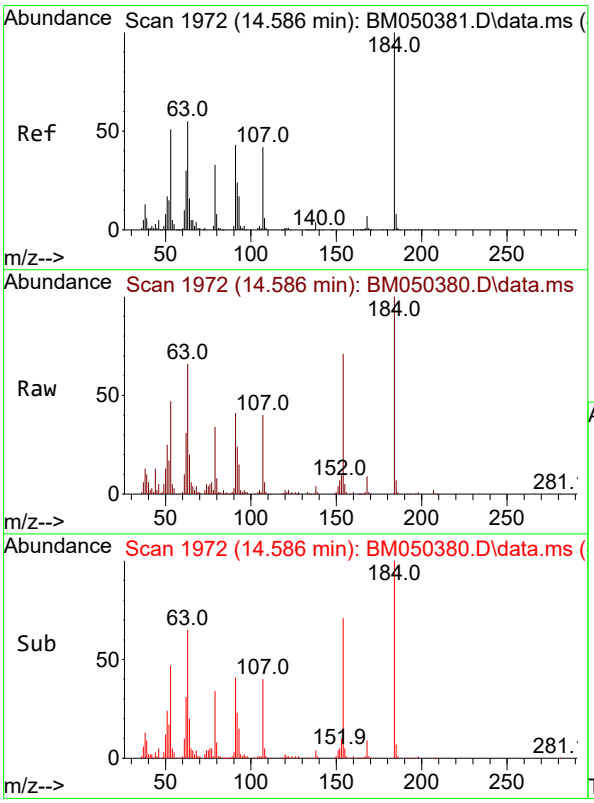
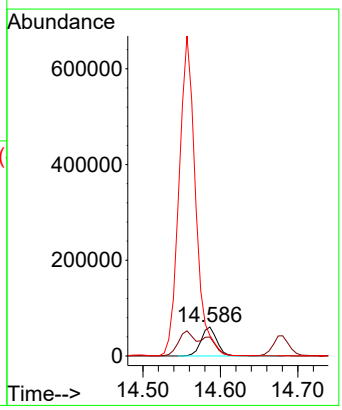


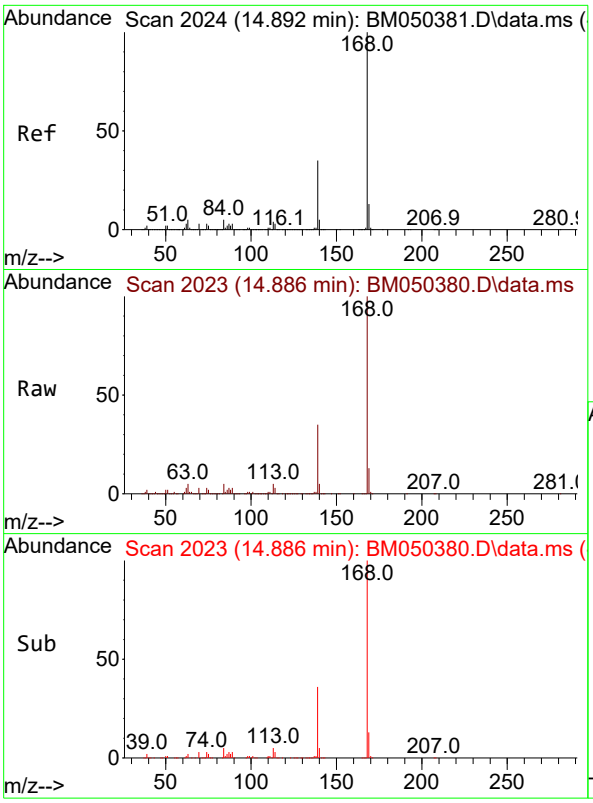




#54
2,4-Dinitrophenol
Concen: 18.641 ng
RT: 14.586 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:184 Resp: 85284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 65.5 | 53.4 | 80.0 |
| 154 | 71.0 | 61.6 | 92.4 |

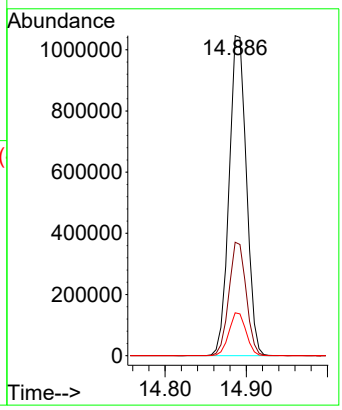





#55
Dibenzofuran
Concen: 20.048 ng
RT: 14.886 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:168 Resp: 154354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 35.5 | 27.7 | 41.5 |
| 169 | 13.4 | 10.7 | 16.1 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
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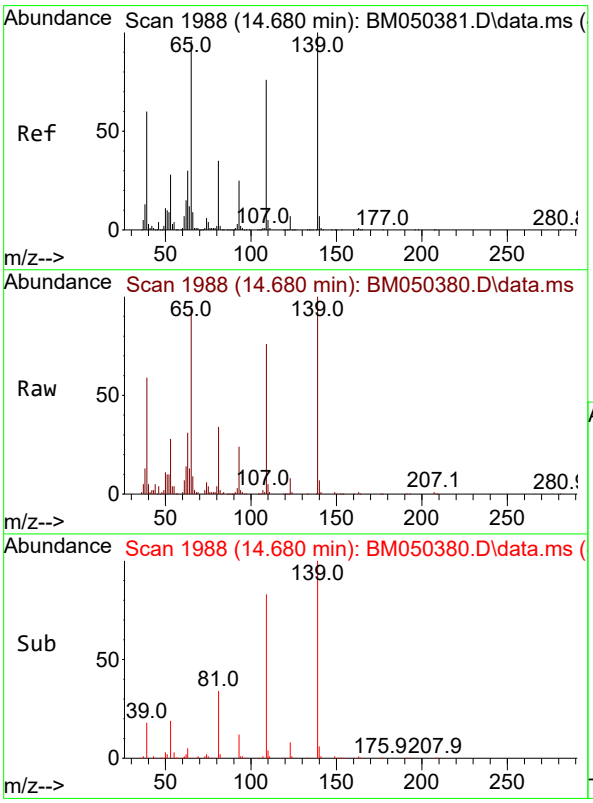
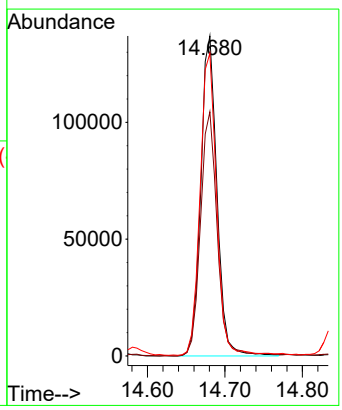
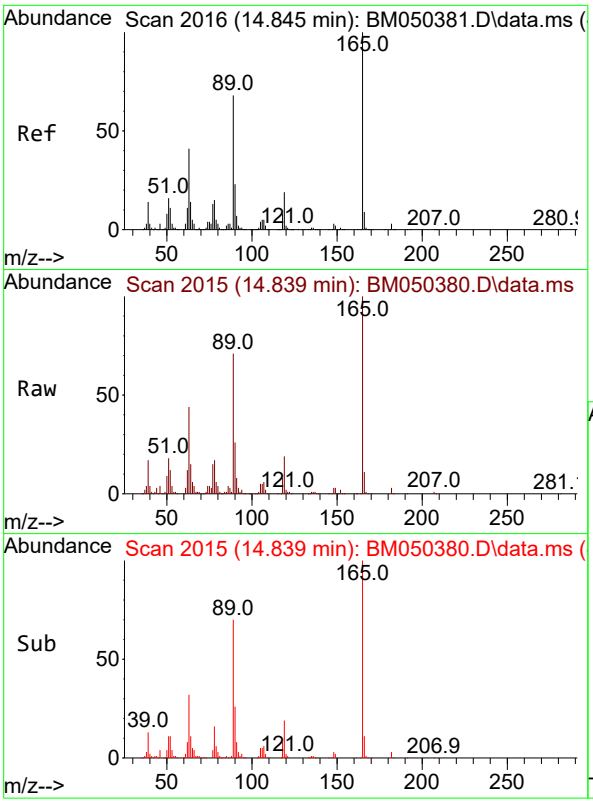



#56
4-Nitrophenol
Concen: 18.644 ng
RT: 14.680 min Scan# 1988
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:139 Resp: 198160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 76.3 | 56.5 | 96.5 |
| 65 | 94.6 | 76.4 | 116.4 |

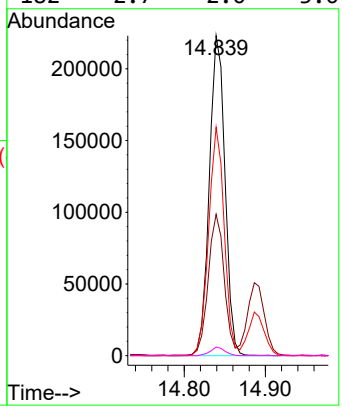





#57
2,4-Dinitrotoluene
Concen: 18.935 ng
RT: 14.839 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:165 Resp: 29900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 44.1 | 32.5 | 48.7 |
| 89 | 71.4 | 54.0 | 81.0 |
| 182 | 2.7 | 2.0 | 3.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**
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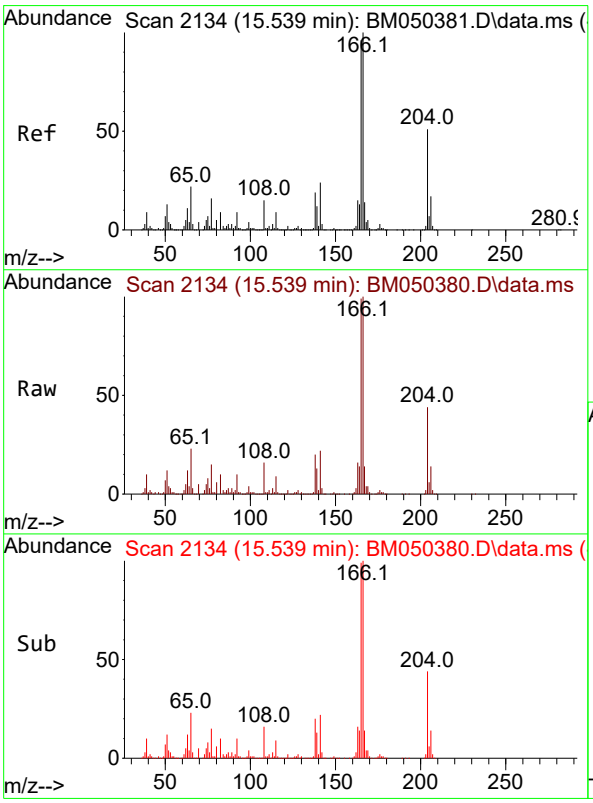
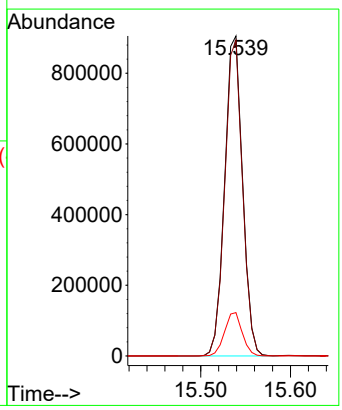
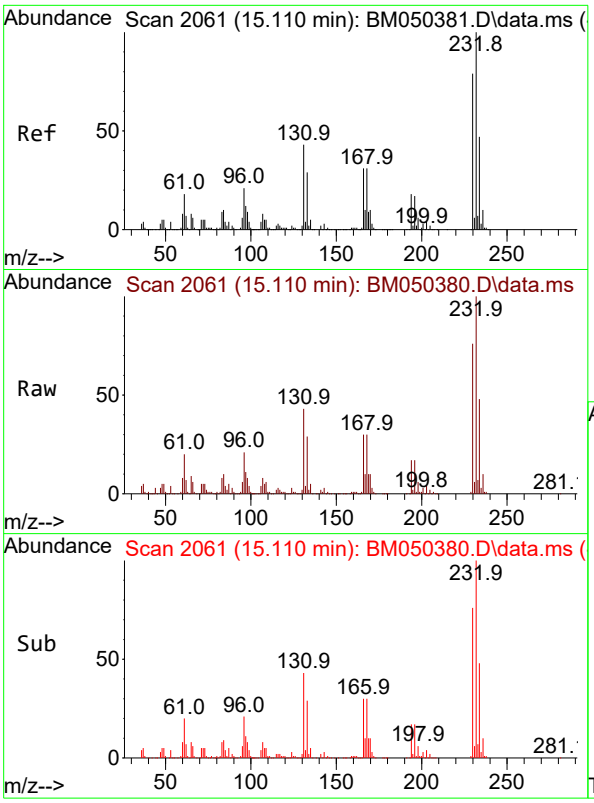



#58
Fluorene
Concen: 19.803 ng
RT: 15.539 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:166 Resp: 1255879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.6 | 77.0 | 115.6 |
| 167 | 13.6 | 10.9 | 16.3 |

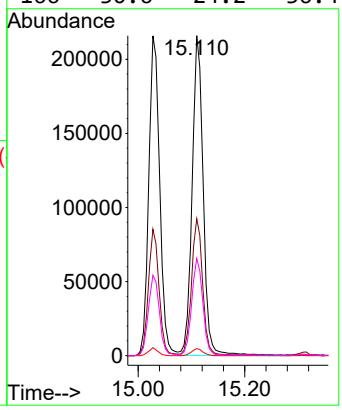





#59
2,3,4,6-Tetrachlorophenol
Concen: 19.733 ng
RT: 15.110 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:232 Resp: 31220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 42.7 | 33.4 | 50.0 |
| 130 | 2.3 | 1.8 | 2.6 |
| 166 | 30.6 | 24.2 | 36.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
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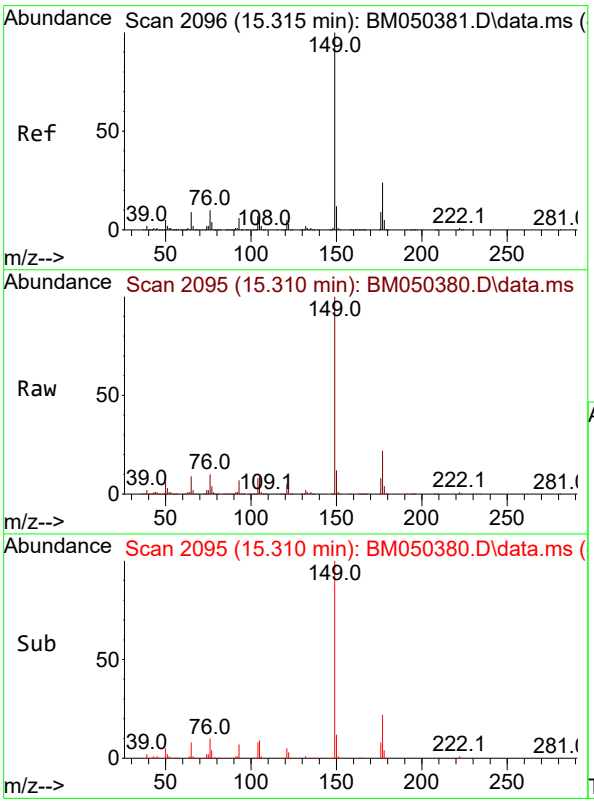
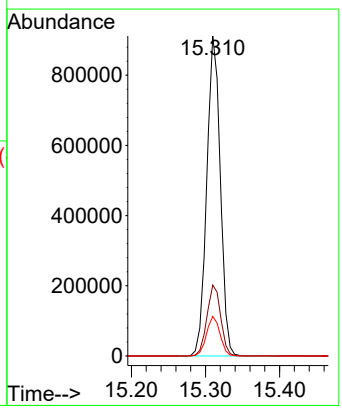
Supervised By :Jagrut Upadhyay 07/09/2025

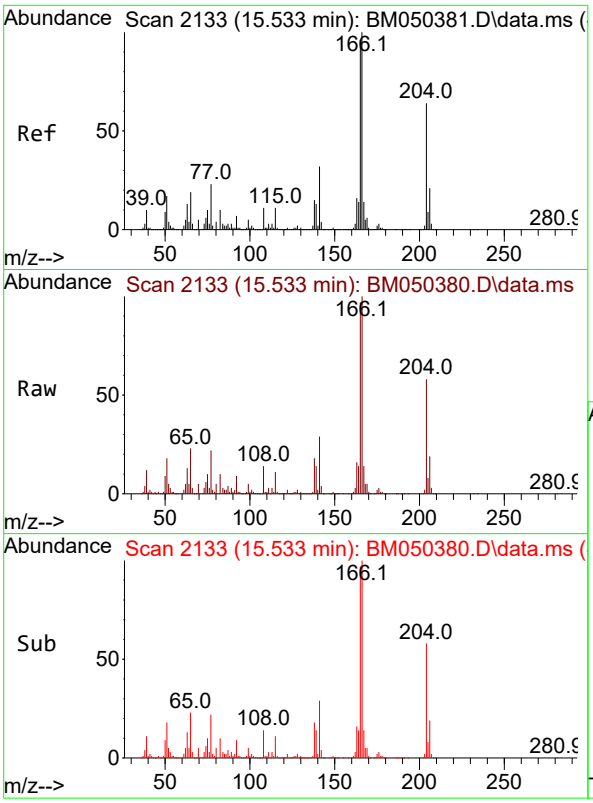



#60
Diethylphthalate
Concen: 20.055 ng
RT: 15.310 min Scan# 2095
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:149 Resp: 1159537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.2 | 18.8 | 28.2 |
| 150 | 12.4 | 9.8 | 14.8 |

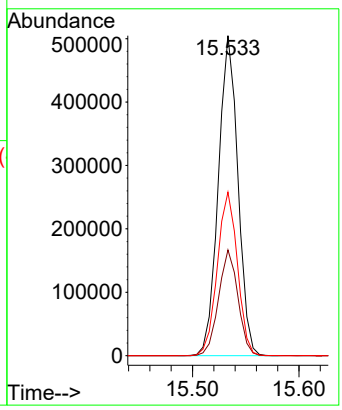





#61
4-Chlorophenyl-phenylether
Concen: 19.428 ng
RT: 15.533 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:204 Resp: 64423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.1 | 26.6 | 39.8 |
| 141 | 51.1 | 39.9 | 59.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

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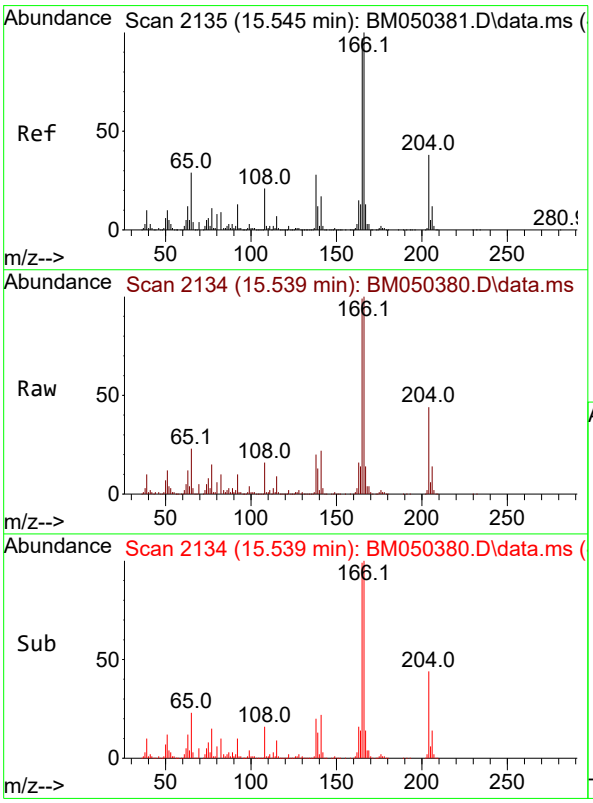
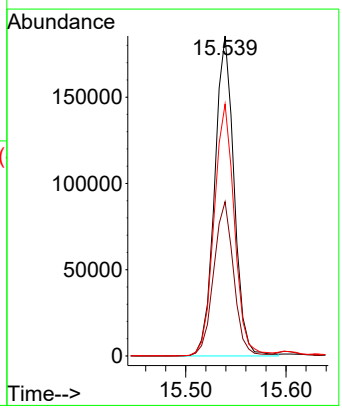
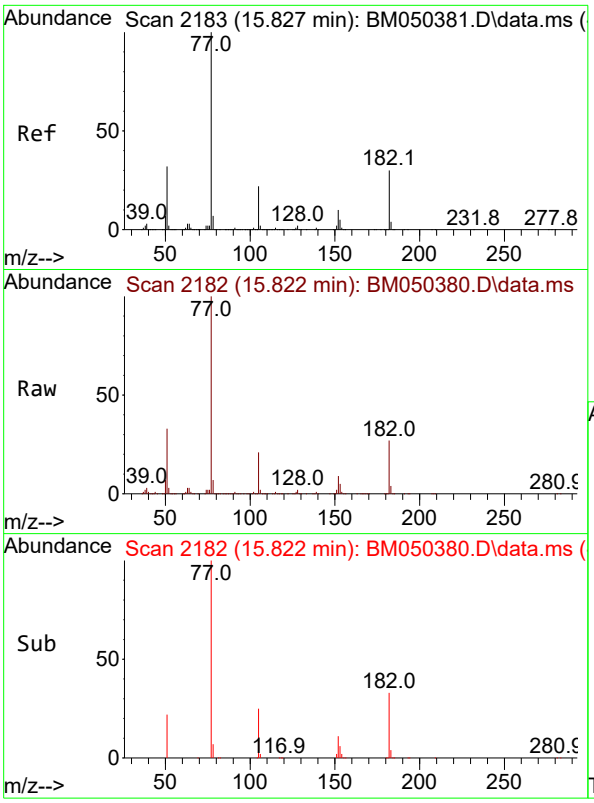



#62
4-Nitroaniline
Concen: 19.209 ng
RT: 15.539 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:138 Resp: 249635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 48.2 | 24.5 | 64.5 |
| 108 | 78.7 | 52.5 | 92.5 |

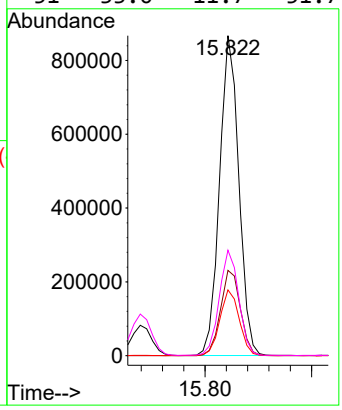





#63
Azobenzene
Concen: 20.436 ng
RT: 15.822 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 77 Resp: 108500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.7 | 10.0 | 50.0 |
| 105 | 20.6 | 2.0 | 42.0 |
| 51 | 33.0 | 11.7 | 51.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

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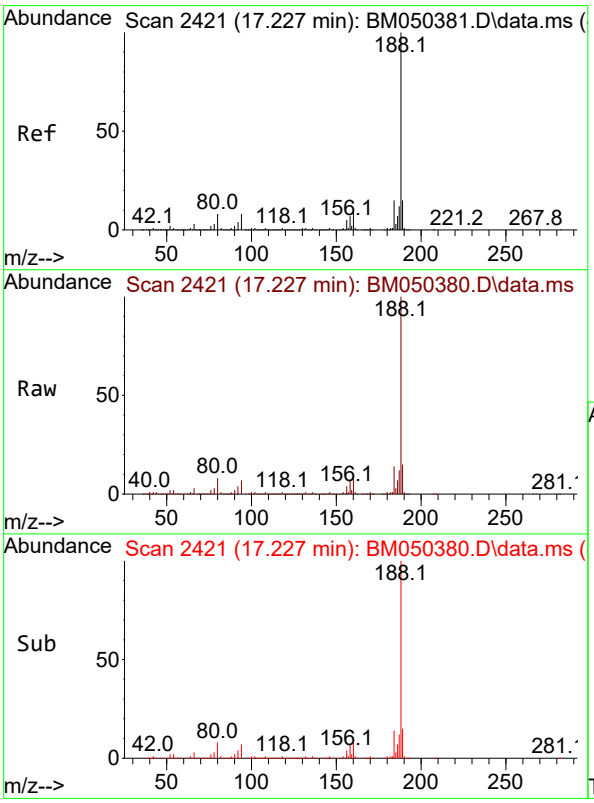
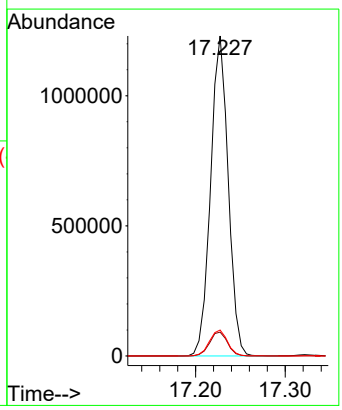
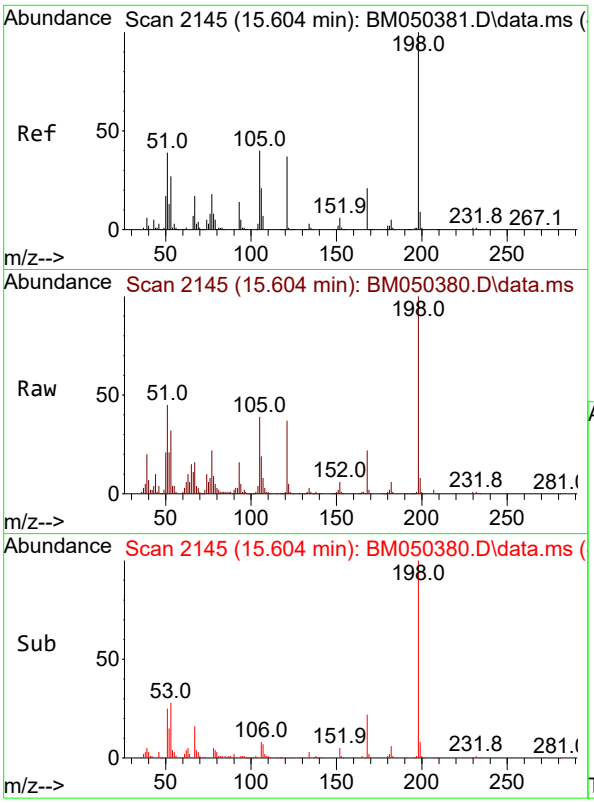



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2421
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:188 Resp: 1676151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.5 | 6.0 | 9.0 |
| 80 | 8.1 | 6.5 | 9.7 |






#65
4,6-Dinitro-2-methylphenol
Concen: 18.758 ng
RT: 15.604 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:198 Resp: 12922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 44.9 | 26.6 | 66.6 |
| 105 | 39.1 | 20.9 | 60.9 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
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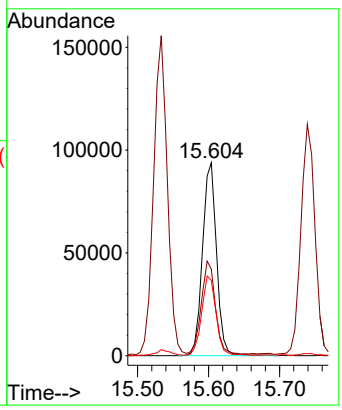
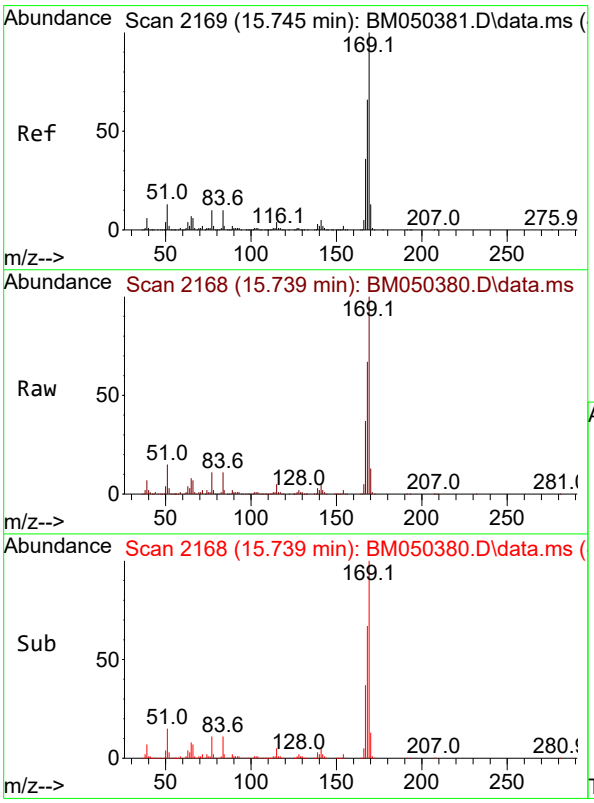
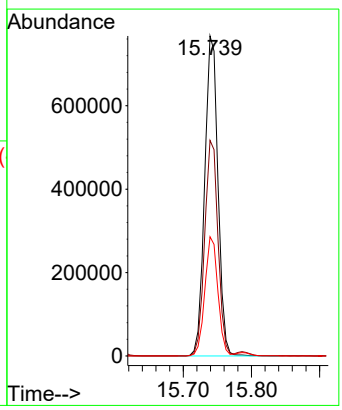


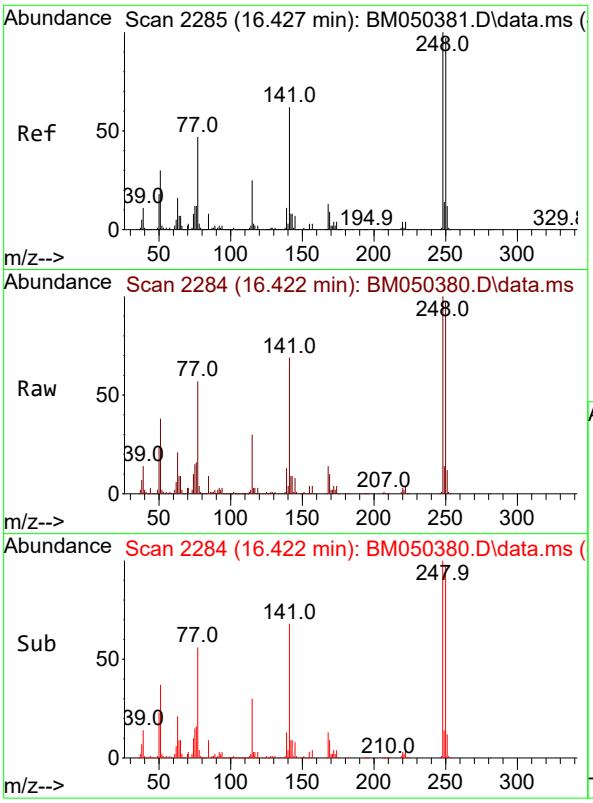




#66
n-Nitrosodiphenylamine
Concen: 19.819 ng
RT: 15.739 min Scan# 2168
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:169 Resp: 1039509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.4 | 53.2 | 79.8 |
| 167 | 37.3 | 28.7 | 43.1 |






#67
4-Bromophenyl-phenylether
Concen: 19.130 ng
RT: 16.422 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:248 Resp: 35327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.7 | 77.9 | 116.9 |
| 141 | 68.7 | 49.7 | 74.5 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
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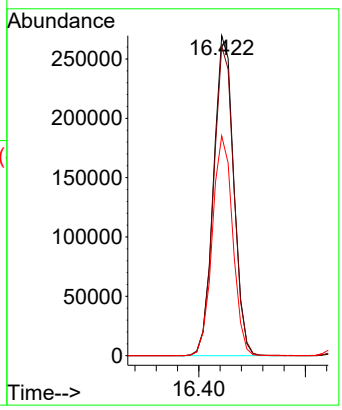
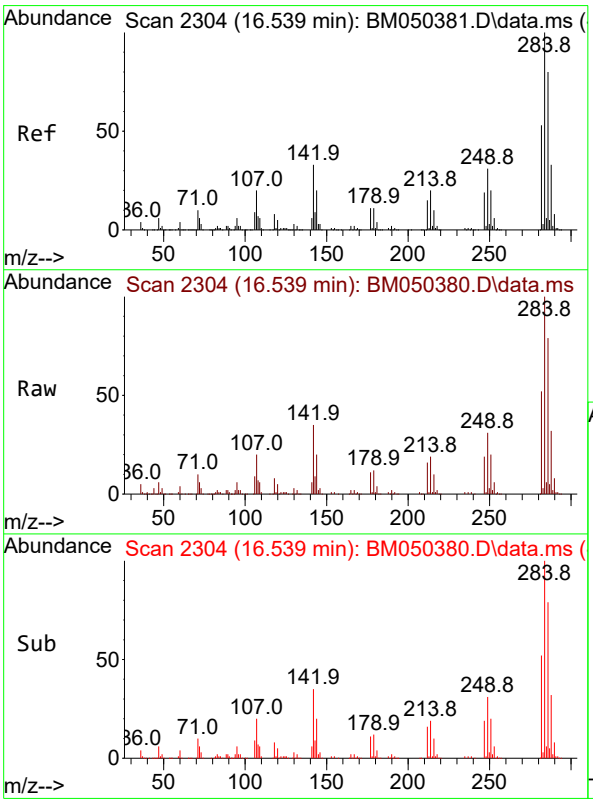
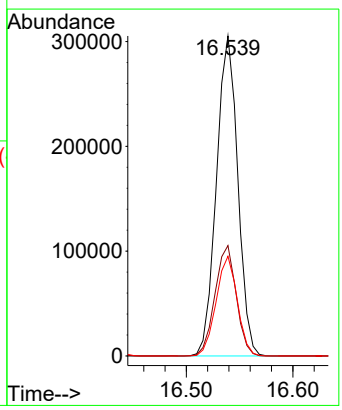


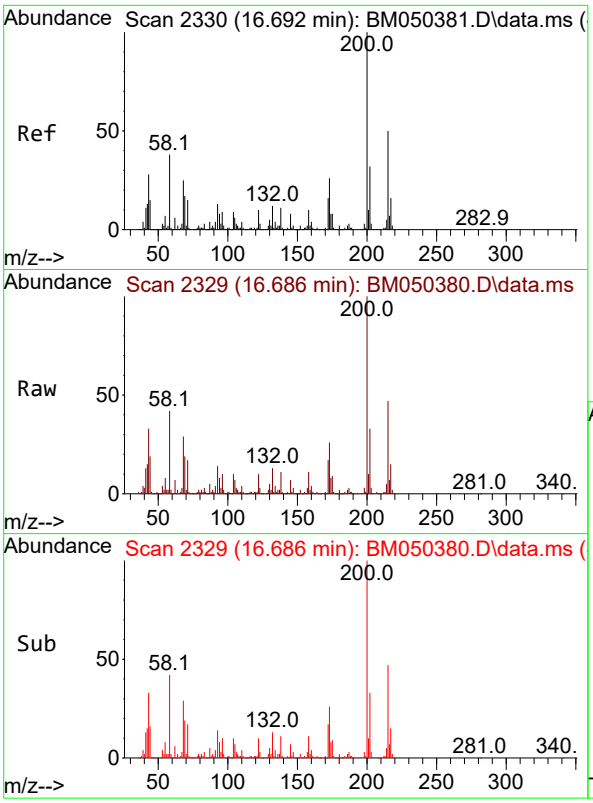




#68
Hexachlorobenzene
Concen: 19.444 ng
RT: 16.539 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:284 Resp: 424108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.5 | 26.8 | 40.2 |
| 249 | 31.2 | 24.5 | 36.7 |






#69
Atrazine
Concen: 19.373 ng
RT: 16.686 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:200 Resp: 33365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.4 | 5.6 | 45.6 |
| 215 | 47.4 | 29.6 | 69.6 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
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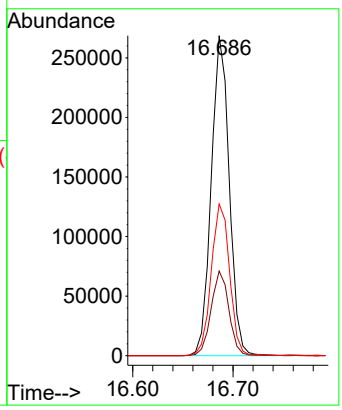
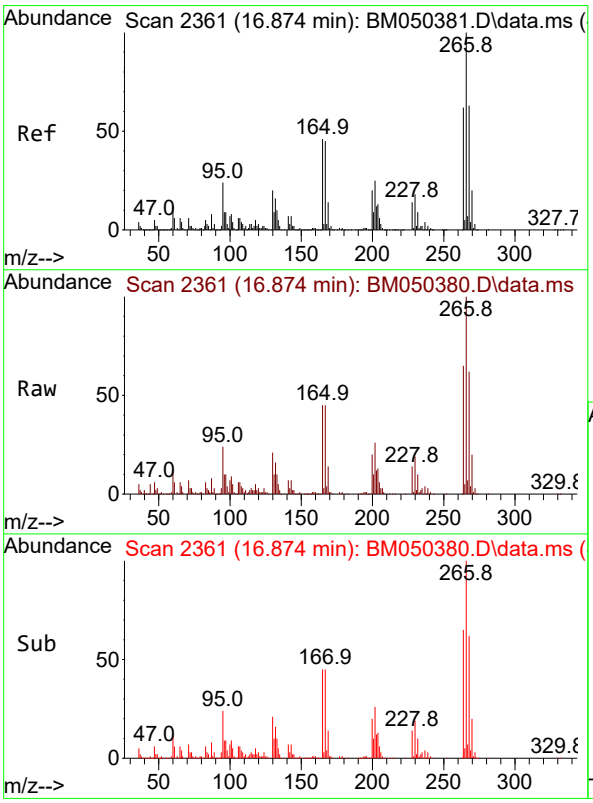
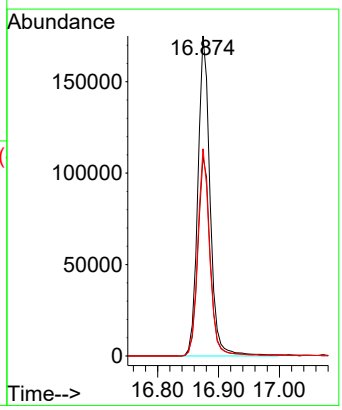


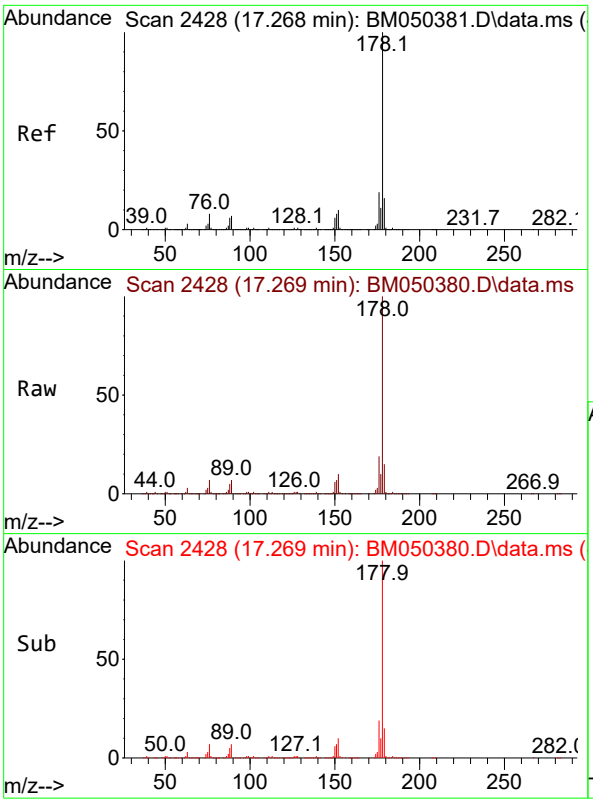




#70
Pentachlorophenol
Concen: 17.920 ng
RT: 16.874 min Scan# 2361
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:266 Resp: 243316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.1 | 50.5 | 75.7 |
| 264 | 64.8 | 49.9 | 74.9 |

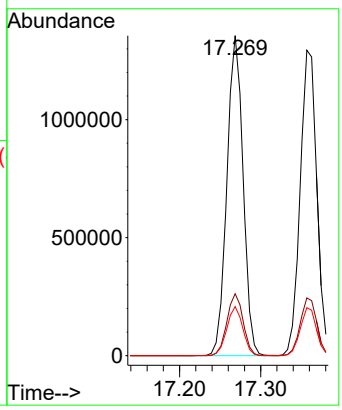





#71
Phenanthrene
Concen: 19.784 ng
RT: 17.269 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:178 Resp: 187640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 15.4 | 23.0 |
| 179 | 15.4 | 12.5 | 18.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
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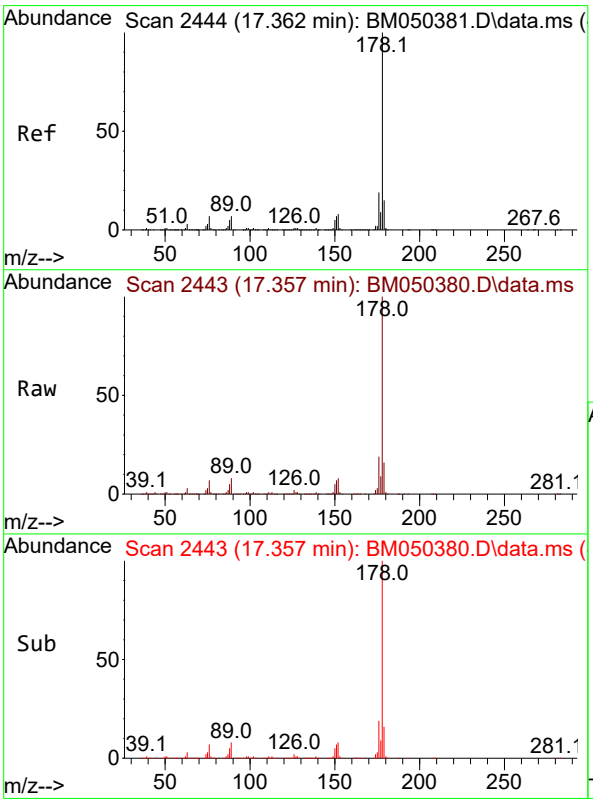
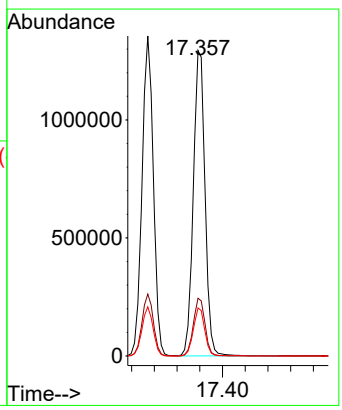
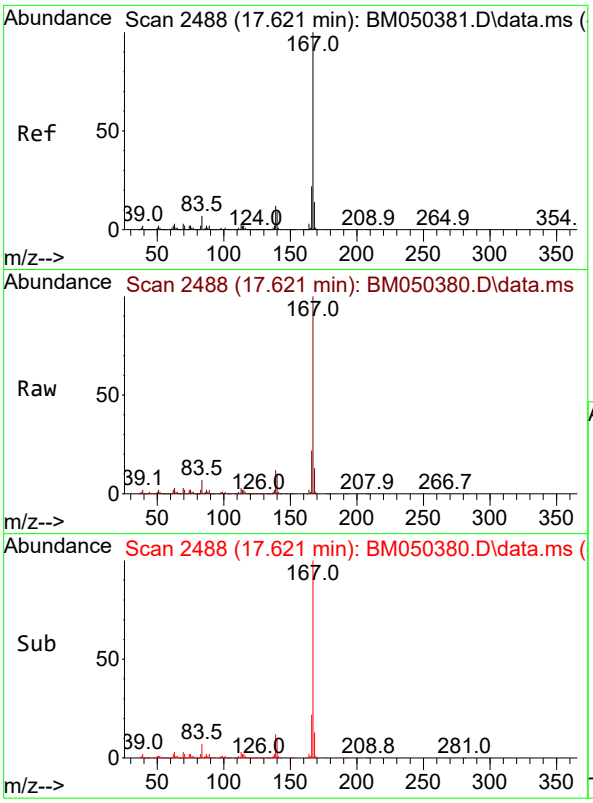



#72
Anthracene
Concen: 19.694 ng
RT: 17.357 min Scan# 2443
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:178 Resp: 1859273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 14.9 | 22.3 |
| 179 | 15.7 | 12.2 | 18.4 |

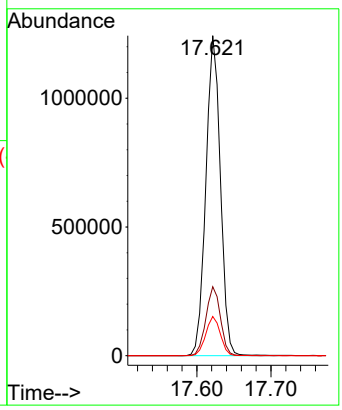





#73
Carbazole
Concen: 19.801 ng
RT: 17.621 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:167 Resp: 169152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.6 | 17.2 | 25.8 |
| 139 | 12.2 | 9.9 | 14.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
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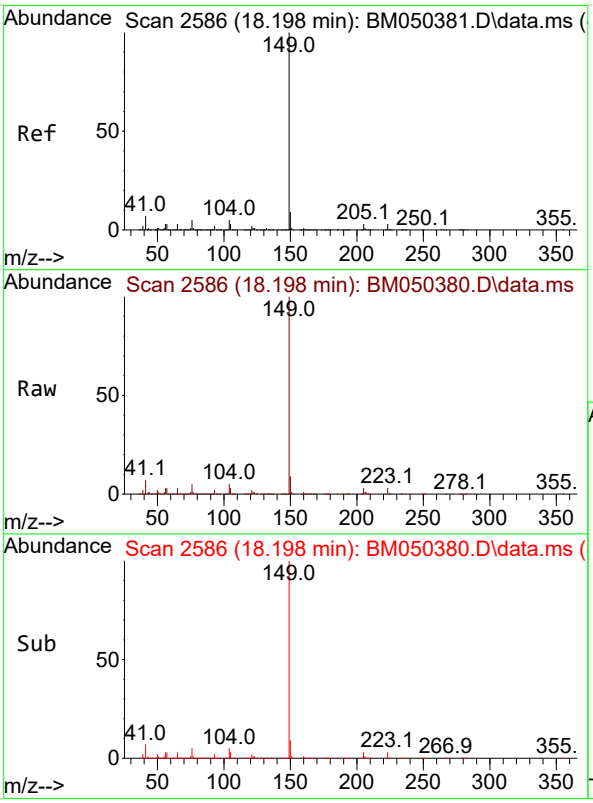
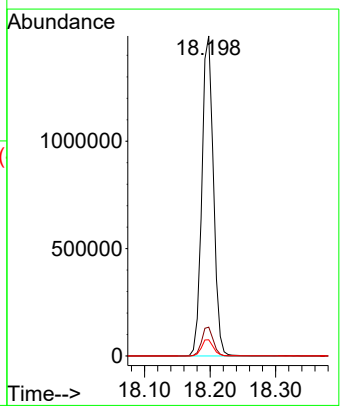
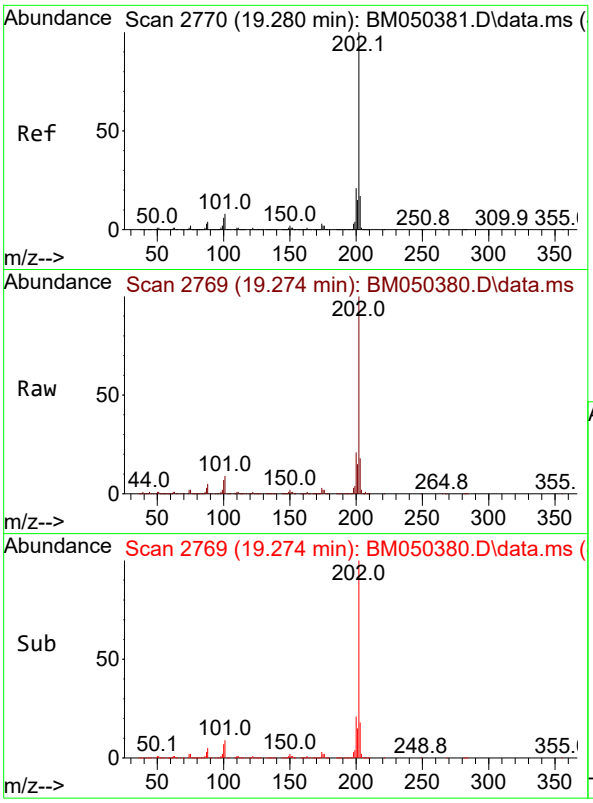



#74
Di-n-butylphthalate
Concen: 19.566 ng
RT: 18.198 min Scan# 2586
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:149 Resp: 1829412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.0 | 7.3 | 10.9 |
| 104 | 5.0 | 3.9 | 5.9 |

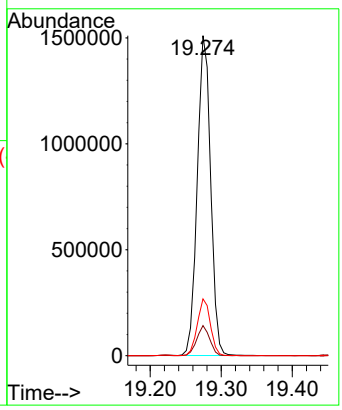





#75
Fluoranthene
Concen: 19.212 ng
RT: 19.274 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:202 Resp: 198088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.4 | 0.0 | 28.3 |
| 203 | 17.8 | 0.0 | 37.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

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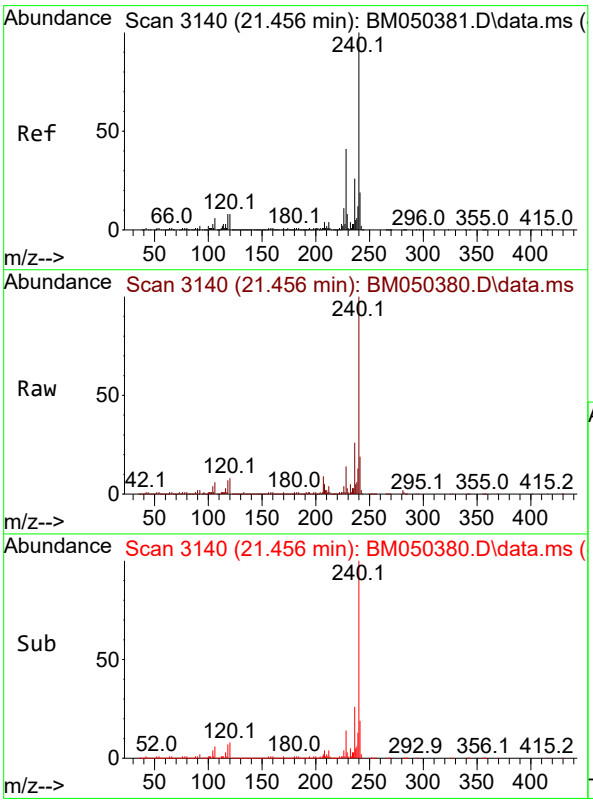
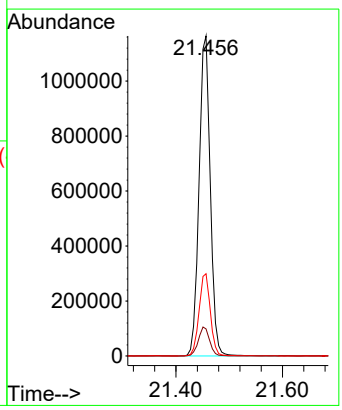
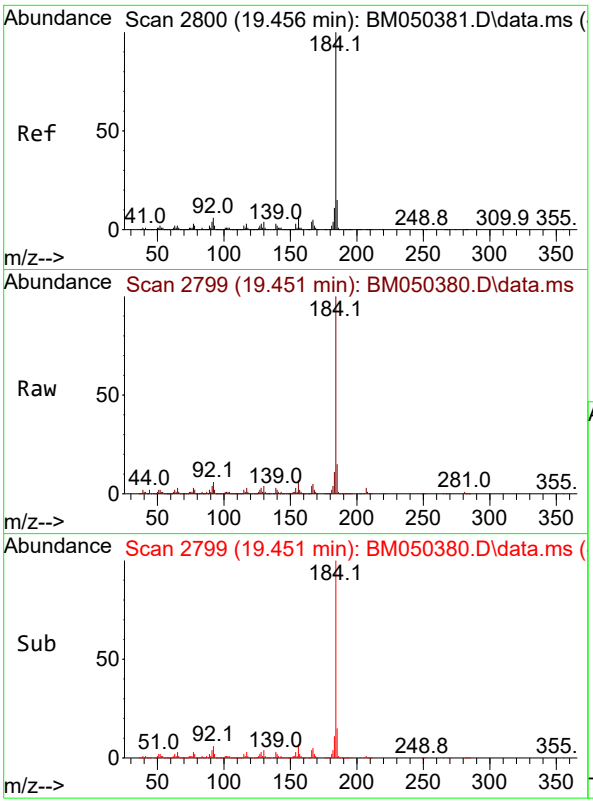



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.456 min Scan# 3140
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:240 Resp: 1698030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.4 | 6.7 | 10.1 |
| 236 | 25.7 | 20.7 | 31.1 |

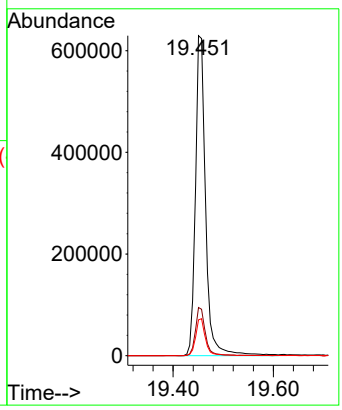





#77
Benzidine
Concen: 20.422 ng
RT: 19.451 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:184 Resp: 88447

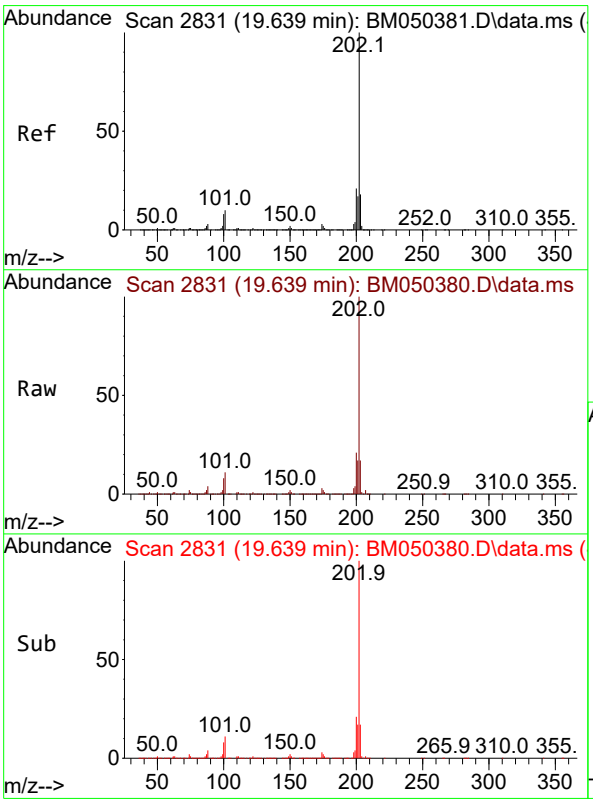
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.0 | 11.7 | 17.5 |
| 183 | 11.2 | 9.0 | 13.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
**APPROVED**

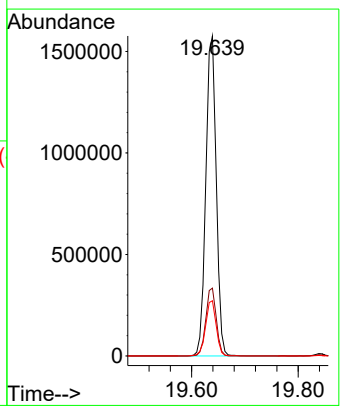
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

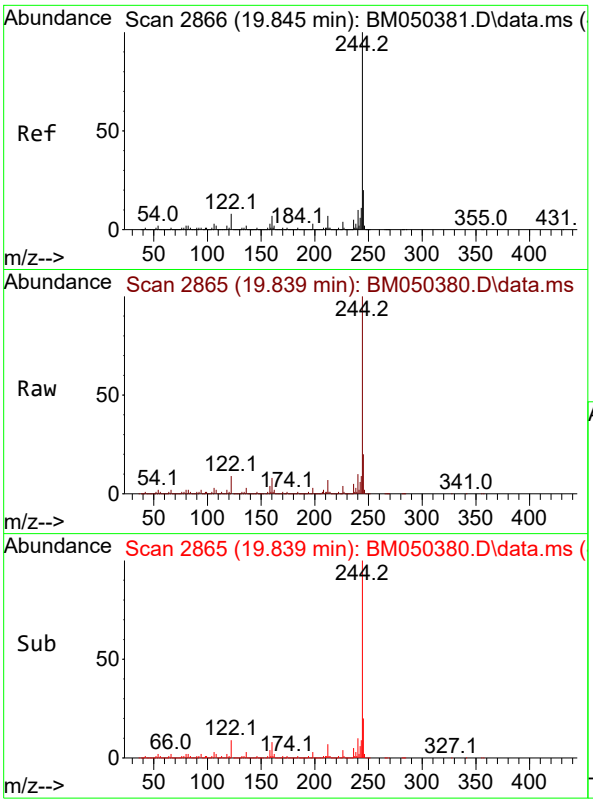



#78
Pyrene
Concen: 19.679 ng
RT: 19.639 min Scan# 2831
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:202 Resp: 2140070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 16.9 | 25.3 |
| 203 | 17.2 | 14.1 | 21.1 |

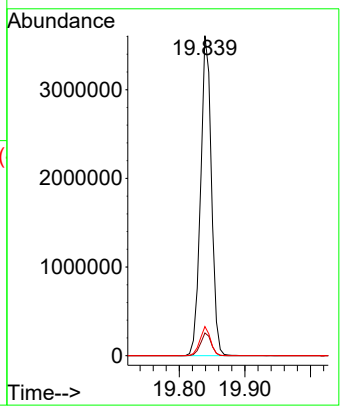





#79
Terphenyl-d14
Concen: 43.104 ng
RT: 19.839 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:244 Resp: 415987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.7 | 8.5 |
| 122 | 9.1 | 6.2 | 9.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
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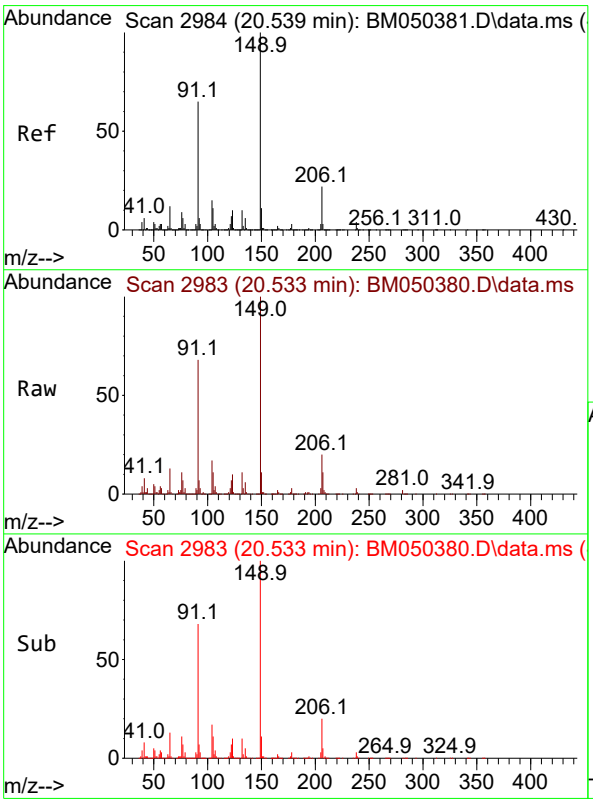
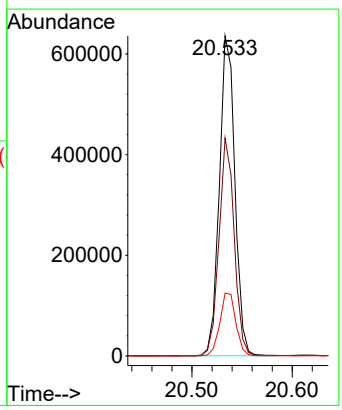
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

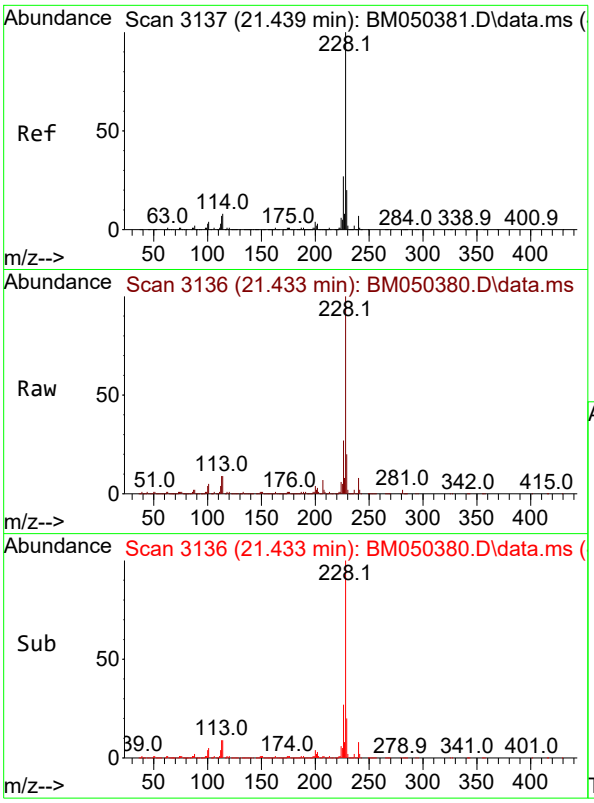



#80
Butylbenzylphthalate
Concen: 19.009 ng
RT: 20.533 min Scan# 2983
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:149 Resp: 681649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 68.1 | 51.6 | 77.4 |
| 206 | 19.7 | 17.8 | 26.8 |

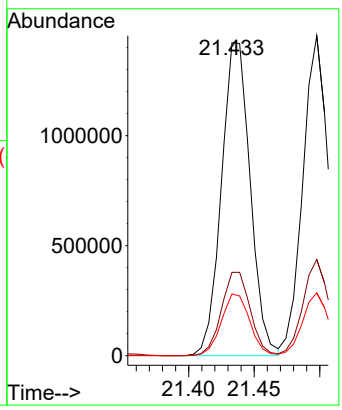





#81
Benzo(a)anthracene
Concen: 19.676 ng
RT: 21.433 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:228 Resp: 217694

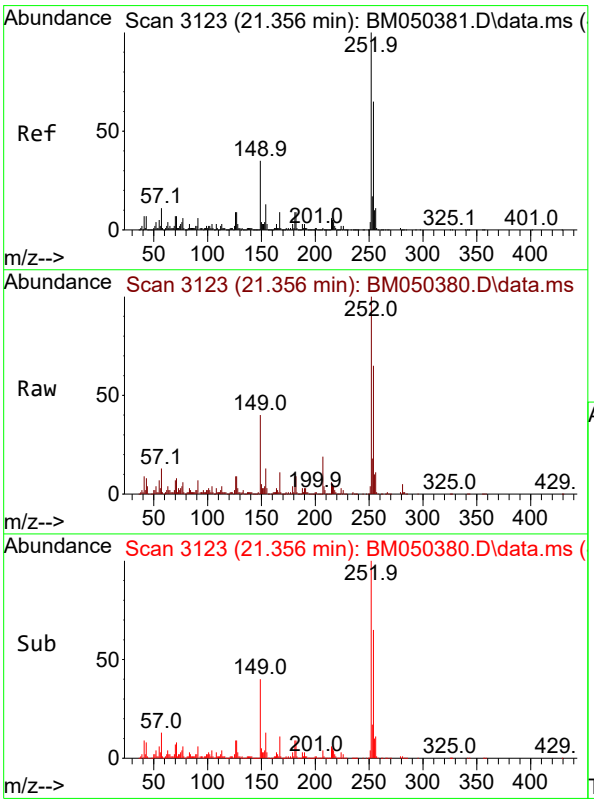
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.6 | 21.8 | 32.8 |
| 229 | 19.7 | 16.0 | 24.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**

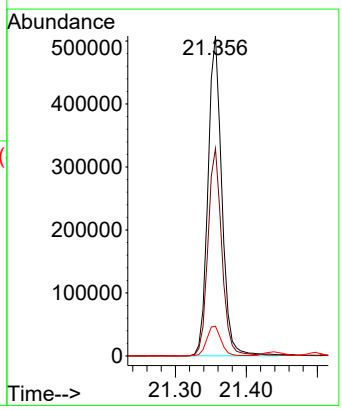
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

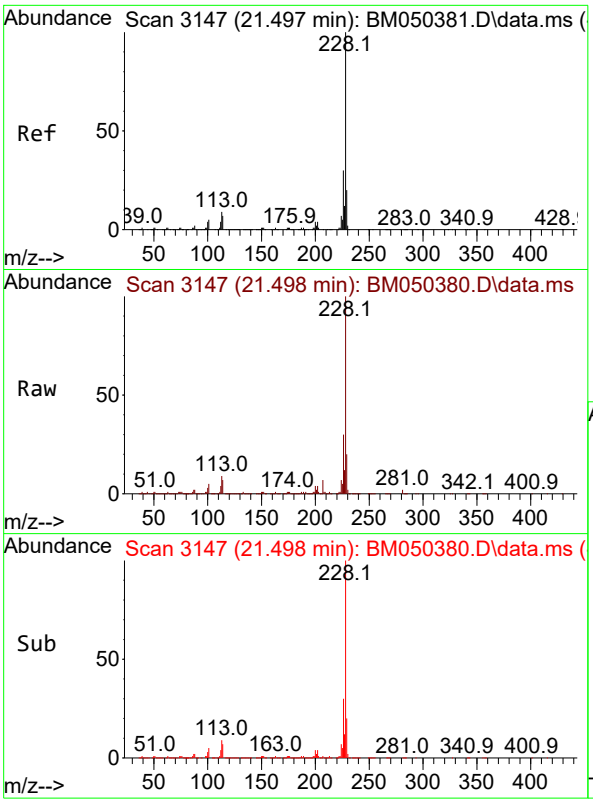



#82
3,3'-Dichlorobenzidine
Concen: 18.471 ng
RT: 21.356 min Scan# 3123
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:252 Resp: 689176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.8 | 51.7 | 77.5 |
| 126 | 9.3 | 7.3 | 10.9 |

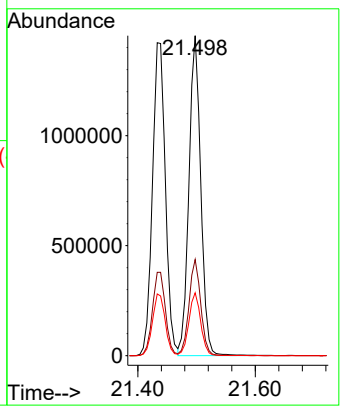





#83
Chrysene
Concen: 19.529 ng
RT: 21.498 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:228 Resp: 203797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.0 | 24.2 | 36.4 |
| 229 | 19.6 | 15.8 | 23.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
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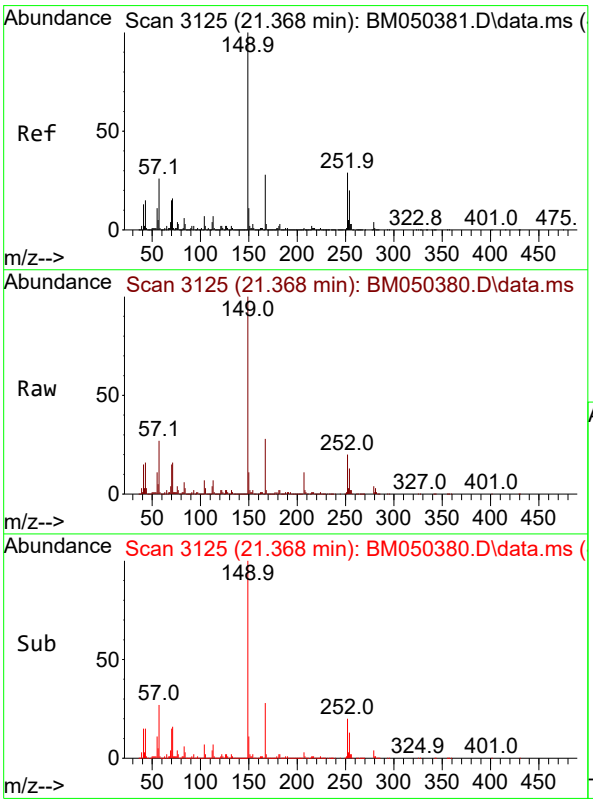
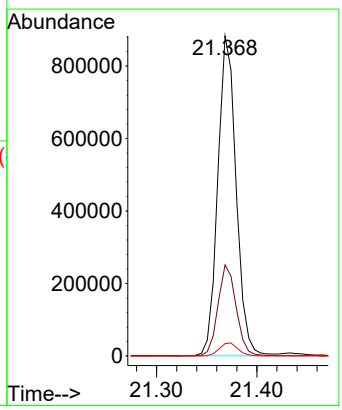
Supervised By :Jagrut Upadhyay 07/09/2025

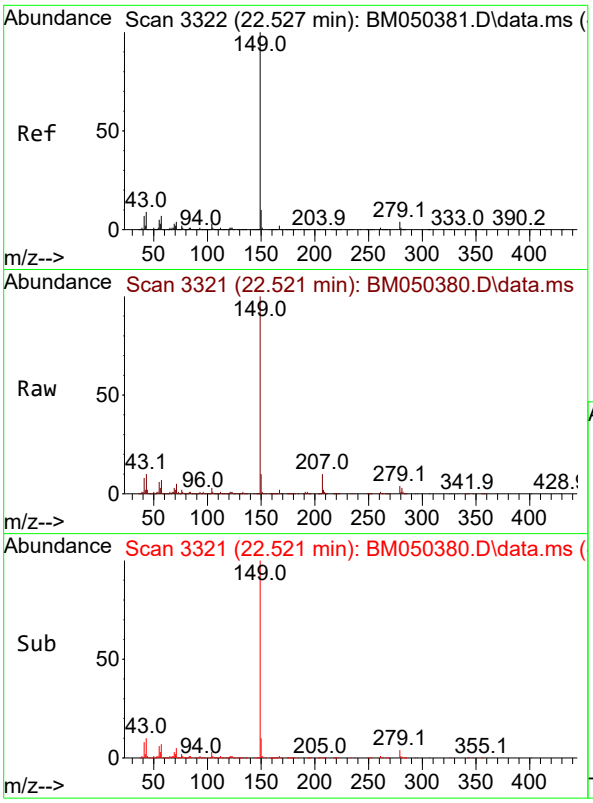



#84
Bis(2-ethylhexyl)phthalate
Concen: 19.638 ng
RT: 21.368 min Scan# 3125
Delta R.T. 0.000 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:149 Resp: 1117874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.5 | 22.7 | 34.1 |
| 279 | 3.9 | 3.5 | 5.3 |






#85
Di-n-octyl phthalate
Concen: 17.729 ng
RT: 22.521 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:149 Resp: 158061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 10.1 | 7.7 | 11.5 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
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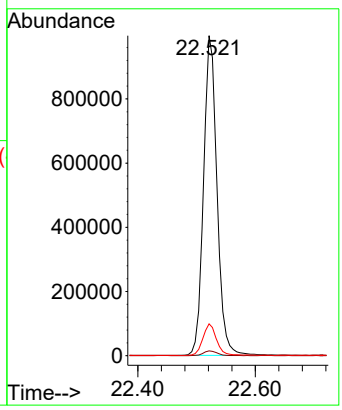
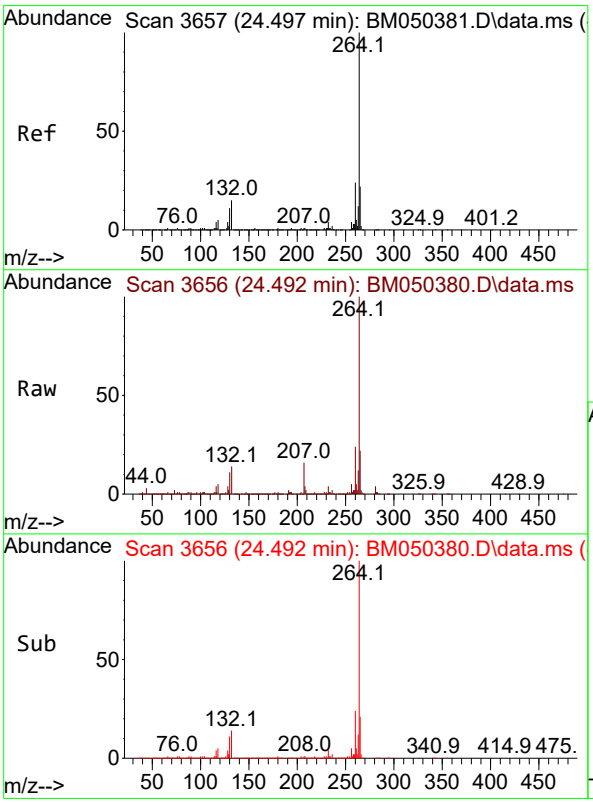
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

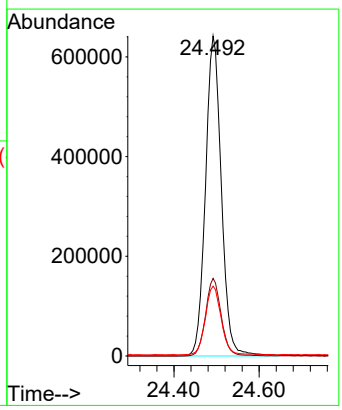


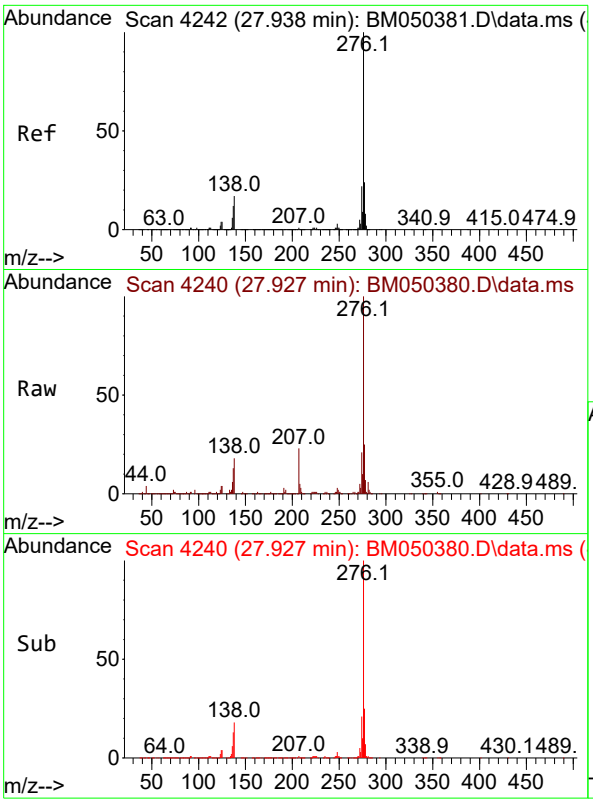




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.492 min Scan# 3656
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:264 Resp: 1655344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.3 | 19.2 | 28.8 |
| 265 | 21.8 | 17.8 | 26.6 |

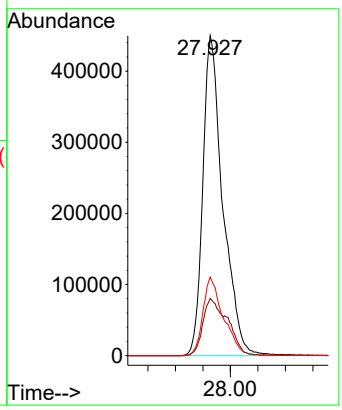





#87
Indeno(1,2,3-cd)pyrene
Concen: 19.328 ng
RT: 27.927 min Scan# 4
Delta R.T. -0.011 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

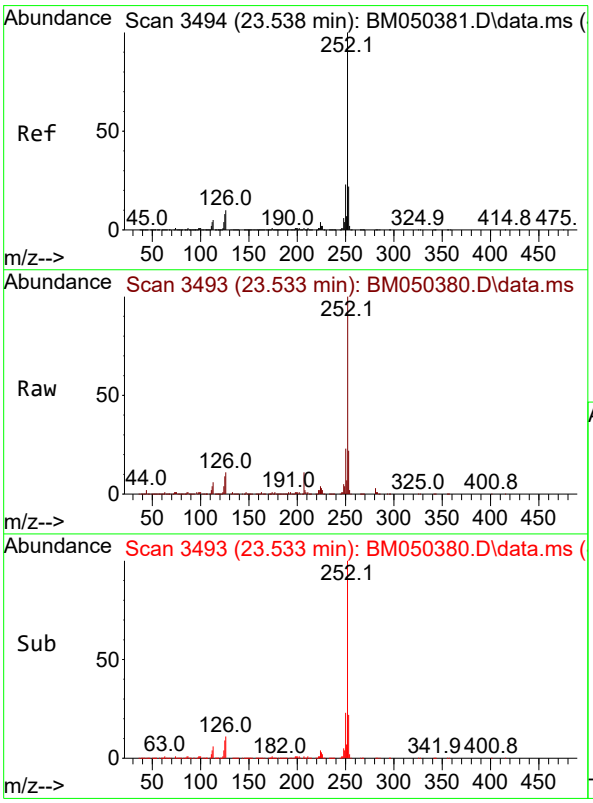
Tgt Ion:276 Resp: 227473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.0 | 17.0 | 25.6 |
| 277 | 25.1 | 20.0 | 30.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

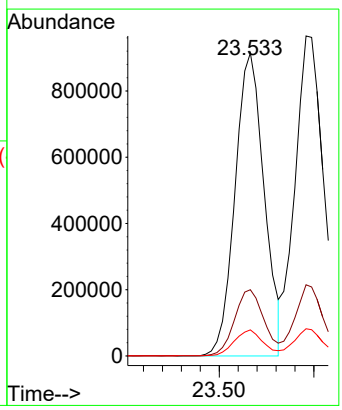
**Manual Integrations**
**APPROVED**
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

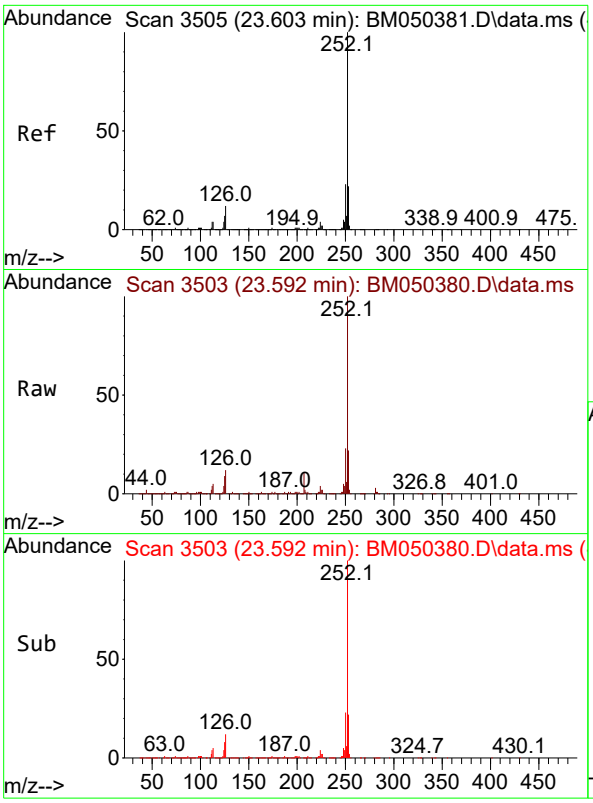



#88
Benzo(b)fluoranthene
Concen: 19.138 ng
RT: 23.533 min Scan# 3493
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:252 Resp: 1948651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.8 | 26.6 |
| 125 | 8.6 | 6.3 | 9.5 |

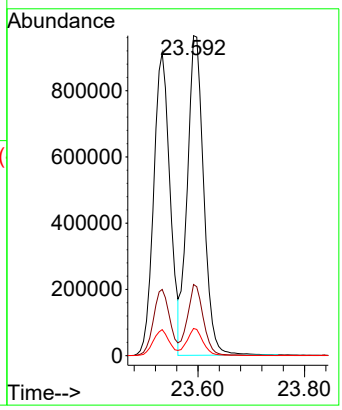





#89
Benzo(k)fluoranthene
Concen: 19.544 ng
RT: 23.592 min Scan# 3
Delta R.T. -0.011 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:252 Resp: 206481

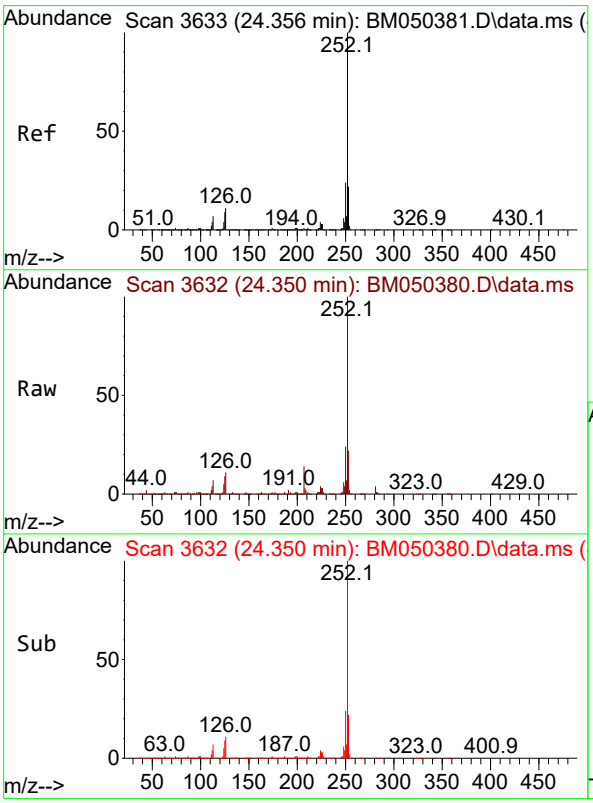
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.6 | 26.4 |
| 125 | 8.5 | 6.2 | 9.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
**APPROVED**

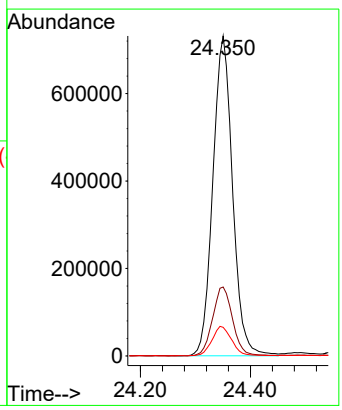
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

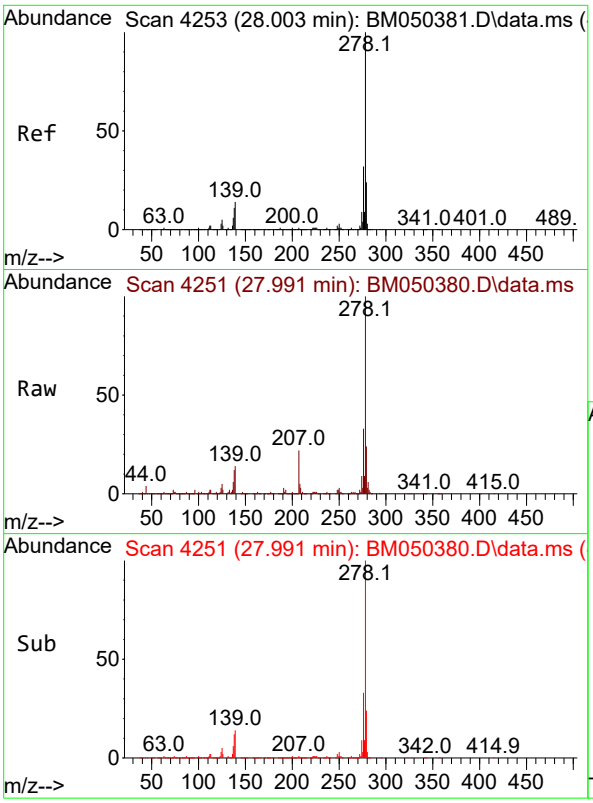



#90
Benzo(a)pyrene
Concen: 19.085 ng
RT: 24.350 min Scan# 3632
Delta R.T. -0.006 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:252 Resp: 1819117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.8 | 26.6 |
| 125 | 8.9 | 7.0 | 10.4 |

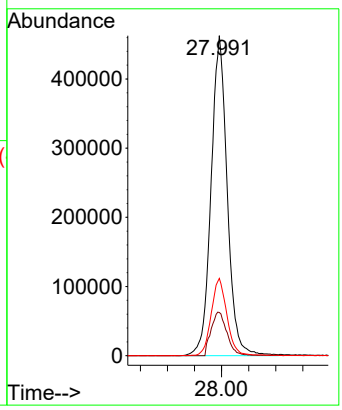





#91
Dibenzo(a,h)anthracene
Concen: 19.357 ng
RT: 27.991 min Scan# 4
Delta R.T. -0.011 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:278 Resp: 191867

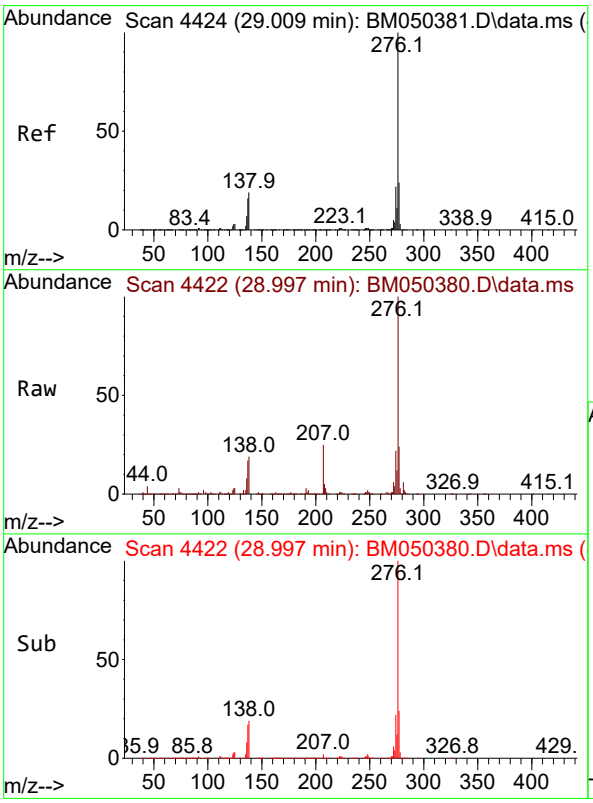
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.5 | 10.8 | 16.2 |
| 279 | 24.2 | 19.4 | 29.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
**APPROVED**

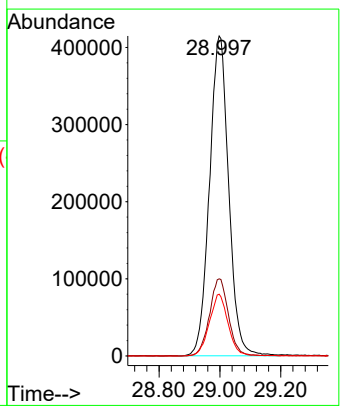
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025




#92
Benzo(g,h,i)perylene
Concen: 19.385 ng
RT: 28.997 min Scan# 4422
Delta R.T. -0.011 min
Lab File: BM050380.D
Acq: 08 Jul 2025 14:40

Tgt Ion:276 Resp: 1815952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.1 | 19.1 | 28.7 |
| 138 | 19.3 | 14.9 | 22.3 |



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050381.D
Acq On : 08 Jul 2025 15:20
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 08 18:22:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.863 | 152 | 390087 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.663 | 136 | 1498318 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.492 | 164 | 967077 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.227 | 188 | 1834050 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.456 | 240 | 1904004 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.497 | 264 | 1842285 | 20.000 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.434 | 112 | 1797254 | 79.307 | ng | 0.00 |
| 7) Phenol-d6 | 7.022 | 99 | 2287075 | 80.057 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.022 | 82 | 2350204 | 80.025 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.974 | 330 | 961125 | 81.797 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.121 | 172 | 6157884 | 78.635 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.845 | 244 | 9584372 | 88.568 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.334 | 88 | 358574 | 38.479 | ng | 100 |
| 3) Pyridine | 3.734 | 79 | 957840 | 39.152 | ng | 100 |
| 4) n-Nitrosodimethylamine | 3.640 | 42 | 446254 | 39.127 | ng | 100 |
| 6) Aniline | 7.187 | 93 | 1465425 | 39.971 | ng | 100 |
| 8) 2-Chlorophenol | 7.428 | 128 | 949275 | 39.725 | ng | 100 |
| 9) Benzaldehyde | 6.998 | 77 | 699931m | 41.183 | ng | |
| 10) Phenol | 7.051 | 94 | 1176548 | 39.486 | ng | 100 |
| 11) bis(2-Chloroethyl)ether | 7.287 | 93 | 933093 | 39.103 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 7.757 | 146 | 1129597 | 38.876 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 7.904 | 146 | 1143020 | 38.525 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 8.222 | 146 | 1100335 | 38.737 | ng | 100 |
| 15) Benzyl Alcohol | 8.098 | 79 | 797306 | 39.610 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.392 | 45 | 1367157 | 38.896 | ng | 100 |
| 17) 2-Methylphenol | 8.298 | 107 | 772662 | 39.981 | ng | 100 |
| 18) Hexachloroethane | 8.951 | 117 | 406049 | 38.914 | ng | 100 |
| 19) n-Nitroso-di-n-propyla... | 8.669 | 70 | 710692 | 41.065 | ng | 100 |
| 20) 3+4-Methylphenols | 8.628 | 107 | 1033775 | 39.847 | ng | 100 |
| 22) Acetophenone | 8.681 | 105 | 1471867 | 39.290 | ng | 100 |
| 24) Nitrobenzene | 9.057 | 77 | 1034216 | 39.463 | ng | 100 |
| 25) Isophorone | 9.592 | 82 | 1916609 | 40.218 | ng | 100 |
| 26) 2-Nitrophenol | 9.775 | 139 | 440758 | 41.266 | ng | 100 |
| 27) 2,4-Dimethylphenol | 9.833 | 122 | 895117 | 39.384 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 10.069 | 93 | 1249755 | 39.577 | ng | 100 |
| 29) 2,4-Dichlorophenol | 10.304 | 162 | 934922 | 40.040 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 10.527 | 180 | 1085193 | 38.850 | ng | 100 |
| 31) Naphthalene | 10.710 | 128 | 2960809 | 38.905 | ng | 100 |
| 32) Benzoic acid | 9.945 | 122 | 491059 | 36.793 | ng | 100 |
| 33) 4-Chloroaniline | 10.810 | 127 | 1285226 | 39.947 | ng | 100 |
| 34) Hexachlorobutadiene | 11.010 | 225 | 662229 | 38.844 | ng | 100 |
| 35) Caprolactam | 11.580 | 113 | 260010 | 40.791 | ng | 100 |
| 36) 4-Chloro-3-methylphenol | 11.933 | 107 | 883903 | 40.538 | ng | 100 |
| 37) 2-Methylnaphthalene | 12.321 | 142 | 1901706 | 39.576 | ng | 100 |
| 38) 1-Methylnaphthalene | 12.539 | 142 | 2017118 | 39.665 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.692 | 216 | 1203524 | 39.134 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 12.680 | 237 | 765708 | 38.951 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 12.927 | 196 | 761982 | 40.252 | ng | 100 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050381.D
Acq On : 08 Jul 2025 15:20
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 08 18:22:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.992 | 196 | 831142 | 40.202 | ng | 100 |
| 46) 1,1'-Biphenyl | 13.333 | 154 | 2786215 | 38.832 | ng | 100 |
| 47) 2-Chloronaphthalene | 13.368 | 162 | 2224727 | 38.889 | ng | 100 |
| 48) 2-Nitroaniline | 13.563 | 65 | 538415 | 42.165 | ng | 100 |
| 49) Acenaphthylene | 14.215 | 152 | 3433586 | 39.714 | ng | 100 |
| 50) Dimethylphthalate | 13.951 | 163 | 2613190 | 39.248 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 14.063 | 165 | 528767 | 41.362 | ng | 100 |
| 52) Acenaphthene | 14.557 | 154 | 2148079 | 39.080 | ng | 100 |
| 53) 3-Nitroaniline | 14.386 | 138 | 568716 | 41.832 | ng | 100 |
| 54) 2,4-Dinitrophenol | 14.586 | 184 | 225952 | 35.873 | ng | 100 |
| 55) Dibenzofuran | 14.892 | 168 | 3305040 | 39.024 | ng | 100 |
| 56) 4-Nitrophenol | 14.680 | 139 | 473550 | 40.504 | ng | 100 |
| 57) 2,4-Dinitrotoluene | 14.845 | 165 | 717807 | 38.104 | ng | 100 |
| 58) Fluorene | 15.539 | 166 | 2744882 | 39.349 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.110 | 232 | 705044 | 40.512 | ng | 100 |
| 60) Diethylphthalate | 15.315 | 149 | 2532007 | 39.811 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.533 | 204 | 1443937 | 39.586 | ng | 100 |
| 62) 4-Nitroaniline | 15.545 | 138 | 602257 | 39.043 | ng | 100 |
| 63) Azobenzene | 15.827 | 77 | 2337291 | 40.021 | ng | 100 |
| 65) 4,6-Dinitro-2-methylph... | 15.604 | 198 | 343246 | 36.538 | ng | 100 |
| 66) n-Nitrosodiphenylamine | 15.745 | 169 | 2284645 | 39.809 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.427 | 248 | 798257 | 39.504 | ng | 100 |
| 68) Hexachlorobenzene | 16.539 | 284 | 940659 | 39.414 | ng | 100 |
| 69) Atrazine | 16.692 | 200 | 775270 | 41.139 | ng | 100 |
| 70) Pentachlorophenol | 16.874 | 266 | 590077 | 39.717 | ng | 100 |
| 71) Phenanthrene | 17.268 | 178 | 4039451 | 38.923 | ng | 100 |
| 72) Anthracene | 17.362 | 178 | 4095570 | 39.646 | ng | 100 |
| 73) Carbazole | 17.621 | 167 | 3704436 | 39.632 | ng | 100 |
| 74) Di-n-butylphthalate | 18.198 | 149 | 4183360 | 40.890 | ng | 100 |
| 75) Fluoranthene | 19.280 | 202 | 4522403 | 40.085 | ng | 100 |
| 77) Benzidine | 19.456 | 184 | 2104809 | 43.341 | ng | 100 |
| 78) Pyrene | 19.639 | 202 | 4798678 | 39.352 | ng | 100 |
| 80) Butylbenzylphthalate | 20.539 | 149 | 1677924 | 41.731 | ng | 100 |
| 81) Benzo(a)anthracene | 21.439 | 228 | 4880944 | 39.344 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.356 | 252 | 1633134 | 39.036 | ng | 100 |
| 83) Chrysene | 21.497 | 228 | 4604684 | 39.351 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.368 | 149 | 2685699 | 42.076 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.527 | 149 | 4028194 | 40.294 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 27.938 | 276 | 5214934 | 39.813 | ng | 100 |
| 88) Benzo(b)fluoranthene | 23.538 | 252 | 4531635 | 39.990 | ng | 100 |
| 89) Benzo(k)fluoranthene | 23.603 | 252 | 4654634 | 39.586 | ng | 100 |
| 90) Benzo(a)pyrene | 24.356 | 252 | 4259750 | 40.157 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 28.003 | 278 | 4396741 | 39.857 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 29.009 | 276 | 4131353 | 39.626 | ng | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050381.D
Acq On : 08 Jul 2025 15:20
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 08 18:22:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/09/2025
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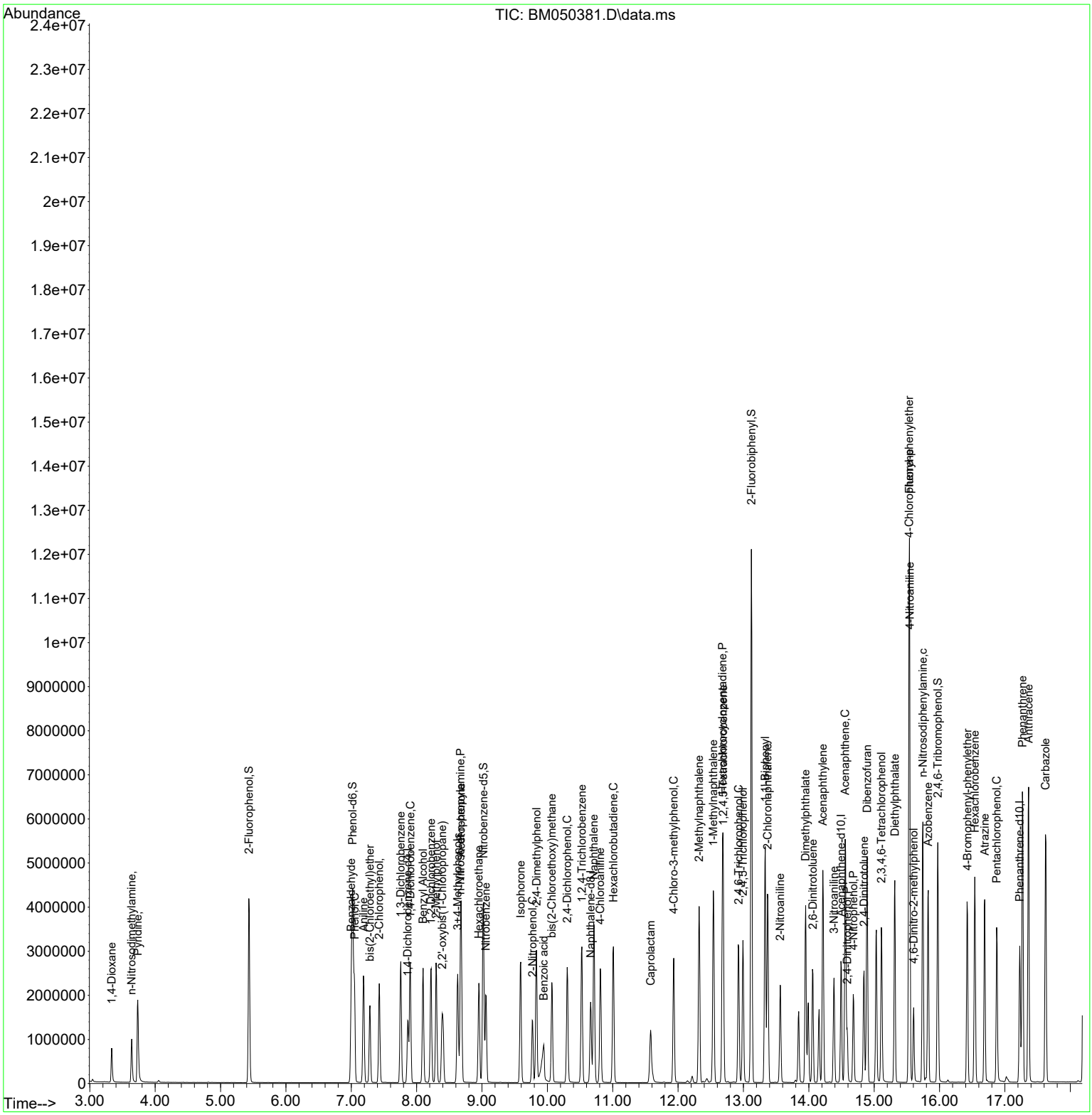

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050381.D
Acq On : 08 Jul 2025 15:20
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

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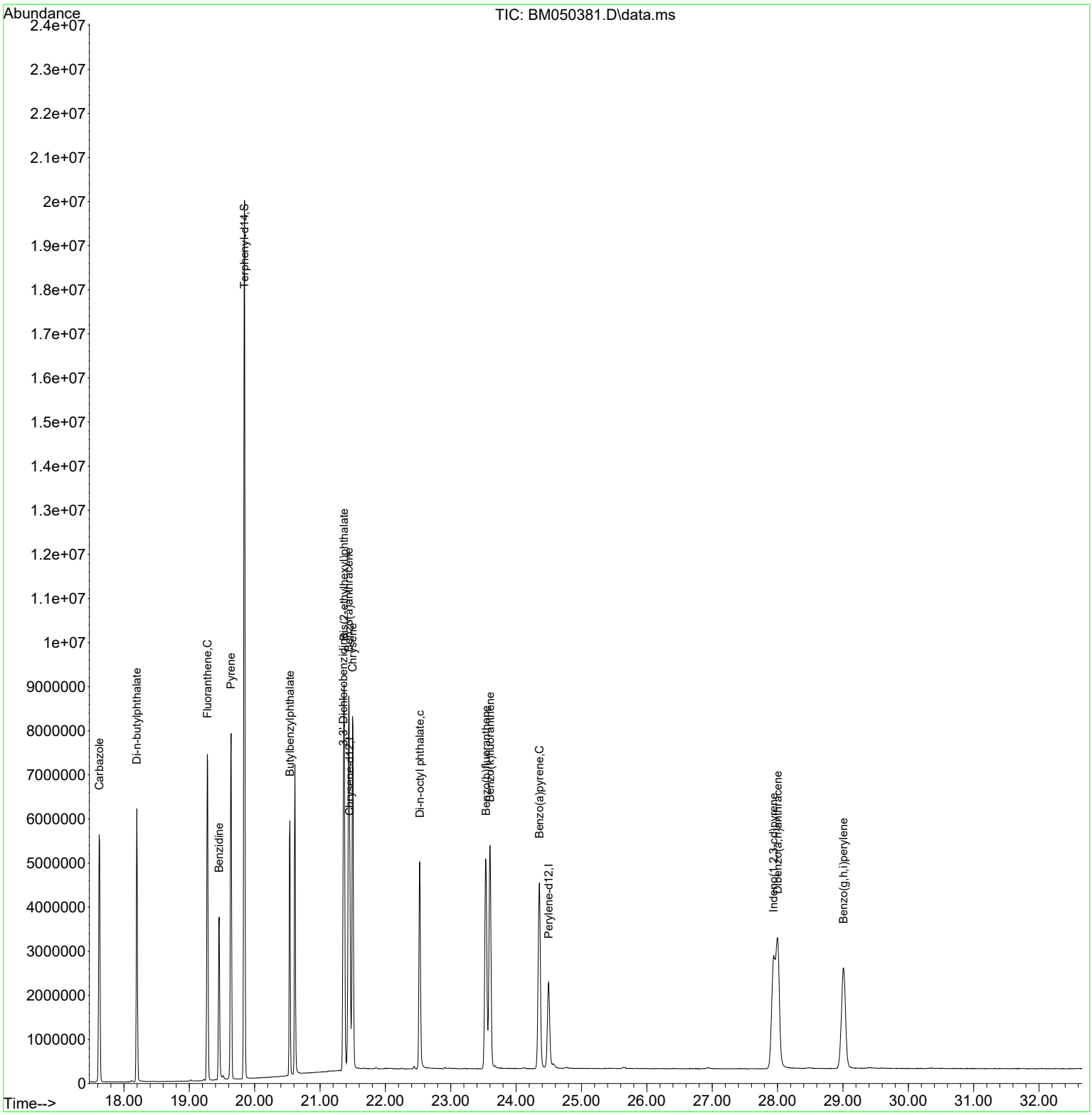
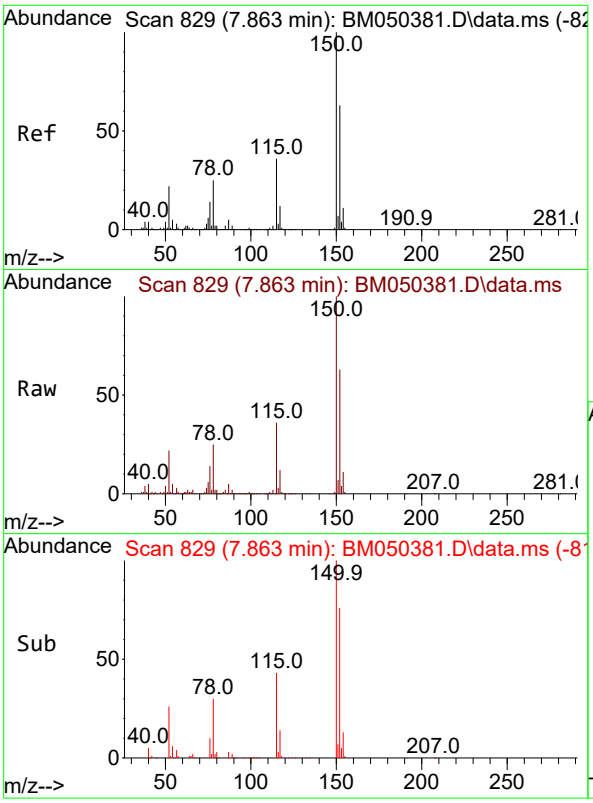
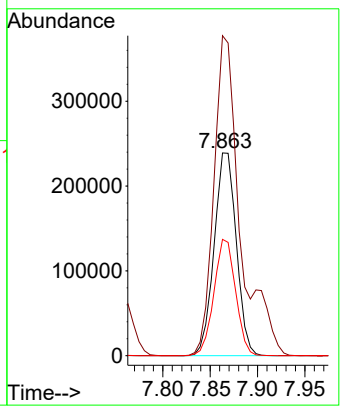





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:152 Resp: 39008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.8 | 126.2 | 189.4 |
| 115 | 57.3 | 45.8 | 68.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
**APPROVED**

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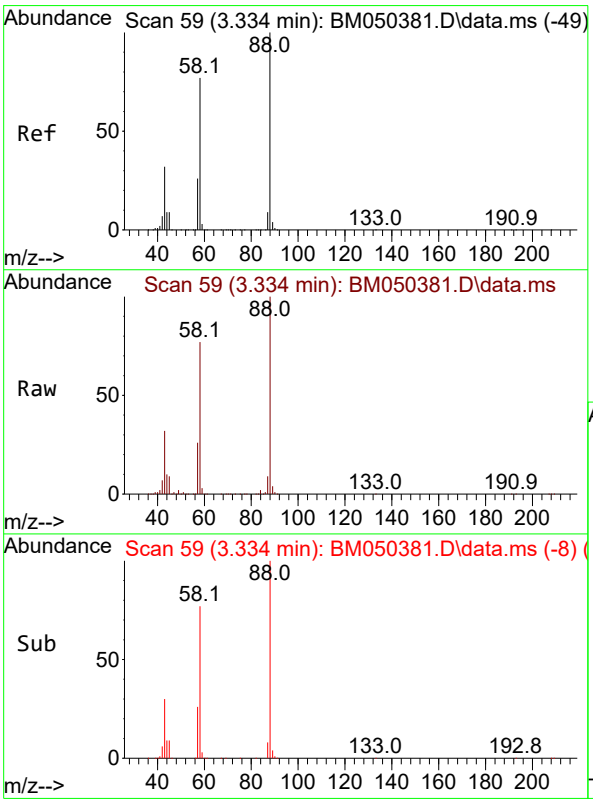
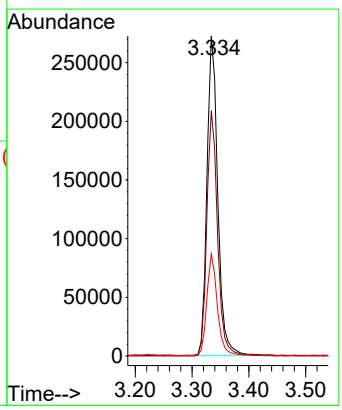
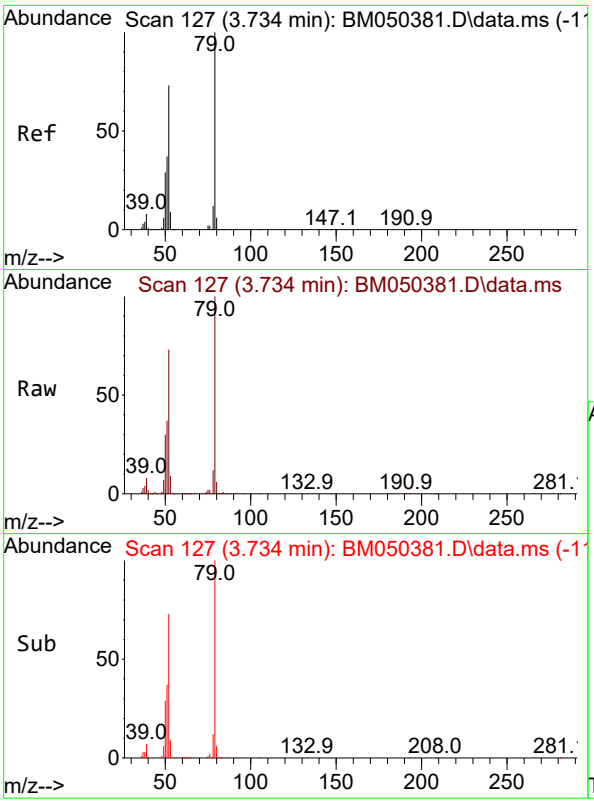



#2
1,4-Dioxane
Concen: 38.479 ng
RT: 3.334 min Scan# 59
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion: 88 Resp: 358574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 76.3 | 61.0 | 91.6 |
| 43 | 30.8 | 24.6 | 37.0 |

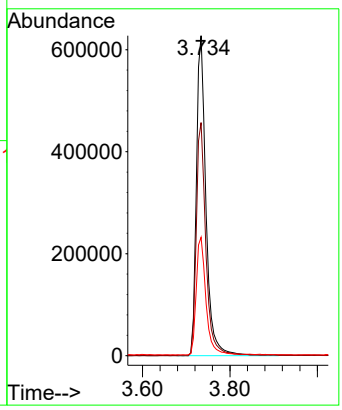





#3
Pyridine
Concen: 39.152 ng
RT: 3.734 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion: 79 Resp: 95784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 72.9 | 58.3 | 87.5 |
| 51 | 37.0 | 29.6 | 44.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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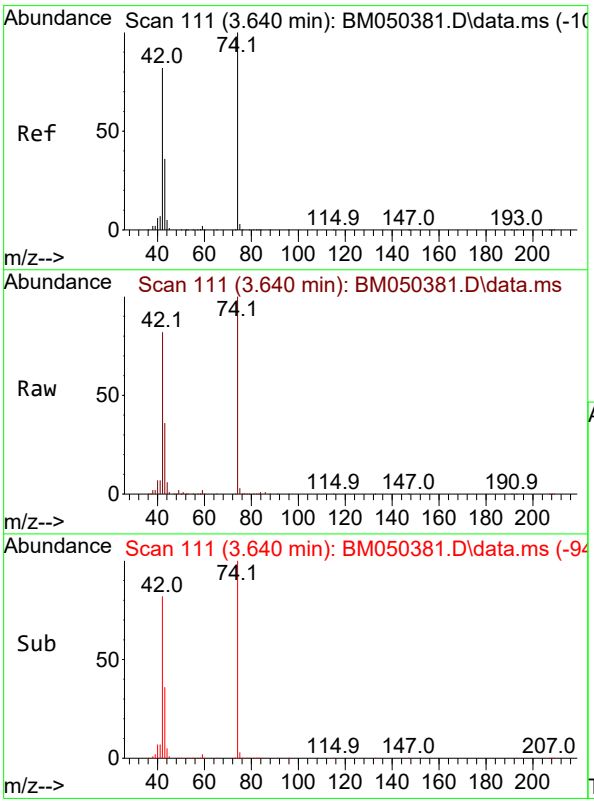
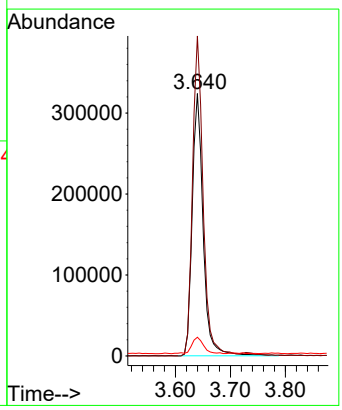
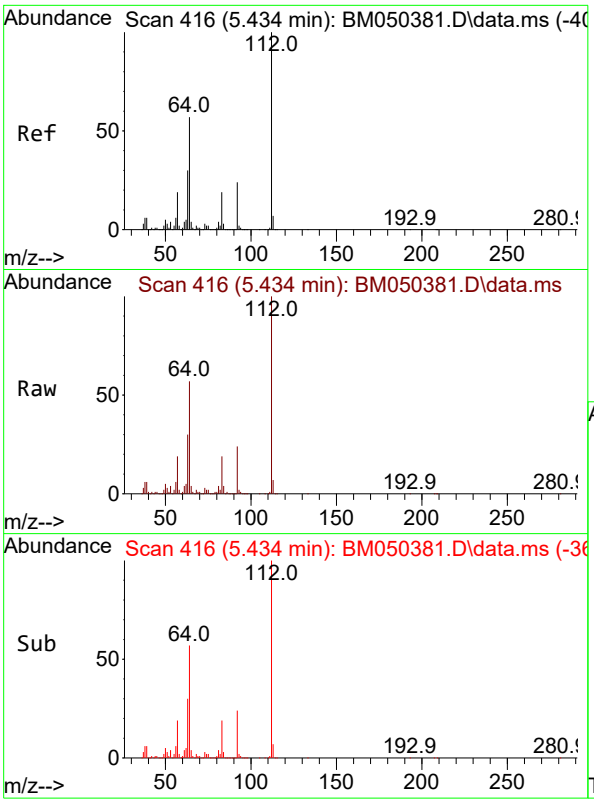



#4
n-Nitrosodimethylamine
Concen: 39.127 ng
RT: 3.640 min Scan# 111
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion: 42 Resp: 446254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 121.9 | 97.5 | 146.3 |
| 44 | 7.1 | 5.7 | 8.5 |

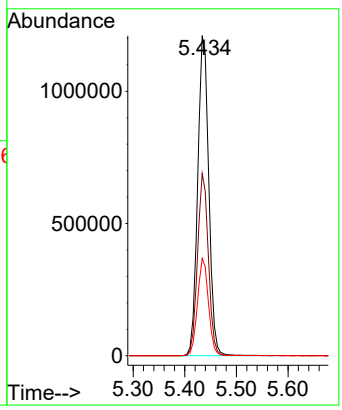





#5
2-Fluorophenol
Concen: 79.307 ng
RT: 5.434 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:112 Resp: 179725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.9 | 45.5 | 68.3 |
| 63 | 30.3 | 24.2 | 36.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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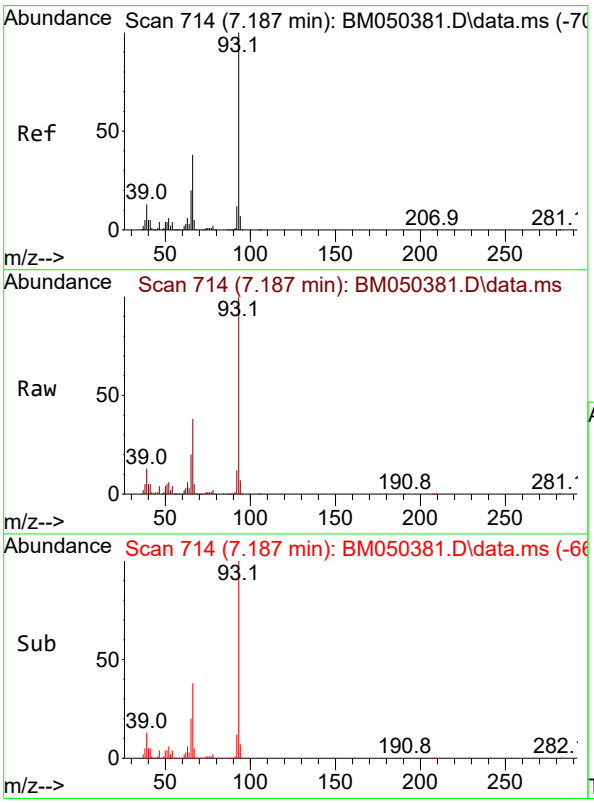
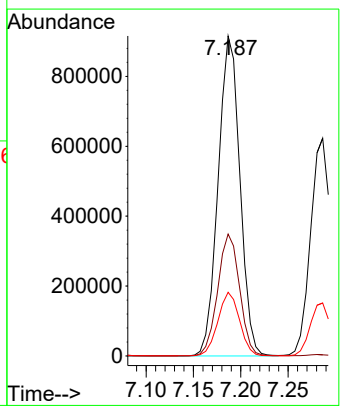
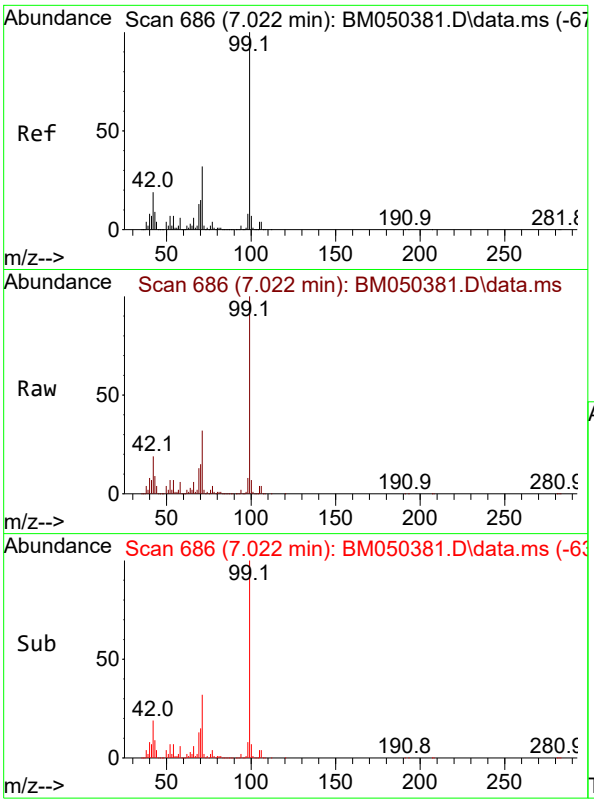



#6
Aniline
Concen: 39.971 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion: 93 Resp: 1465425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 38.1 | 30.5 | 45.7 |
| 65 | 19.9 | 15.9 | 23.9 |

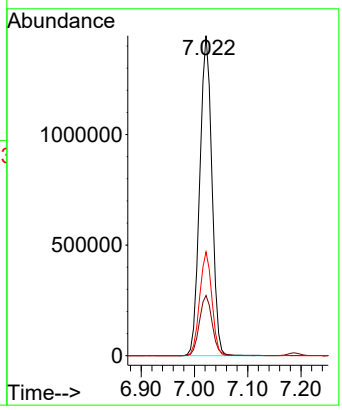





#7
Phenol-d6
Concen: 80.057 ng
RT: 7.022 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion: 99 Resp: 228707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.8 | 15.0 | 22.6 |
| 71 | 32.4 | 25.9 | 38.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

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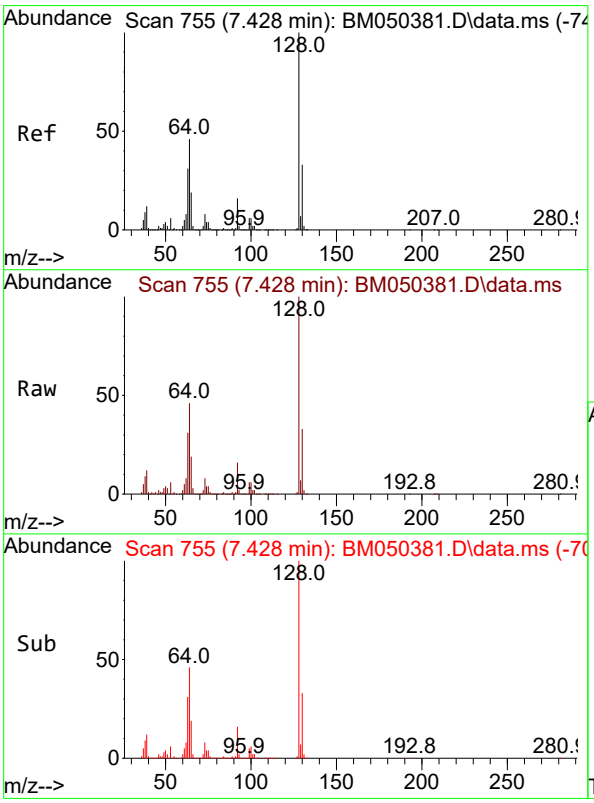
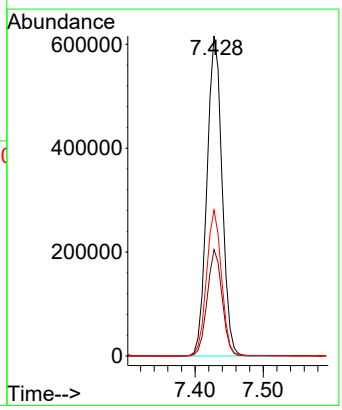
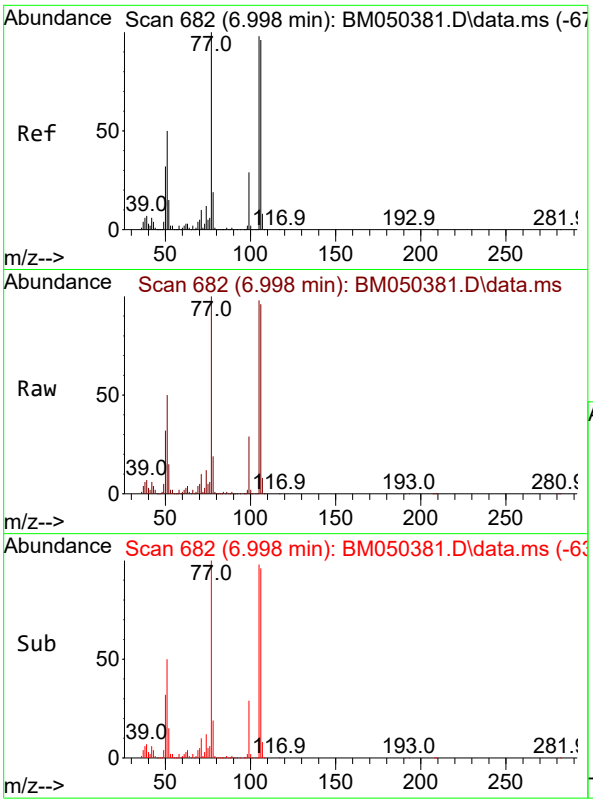



#8
2-Chlorophenol
Concen: 39.725 ng
RT: 7.428 min Scan# 755
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:128 Resp: 949275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.3 | 13.3 | 53.3 |
| 64 | 45.6 | 25.6 | 65.6 |

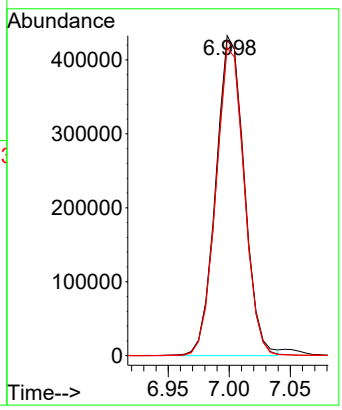





#9
Benzaldehyde
Concen: 41.183 ng m
RT: 6.998 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion: 77 Resp: 69993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 98.4 | 78.4 | 118.4 |
| 106 | 96.3 | 76.3 | 116.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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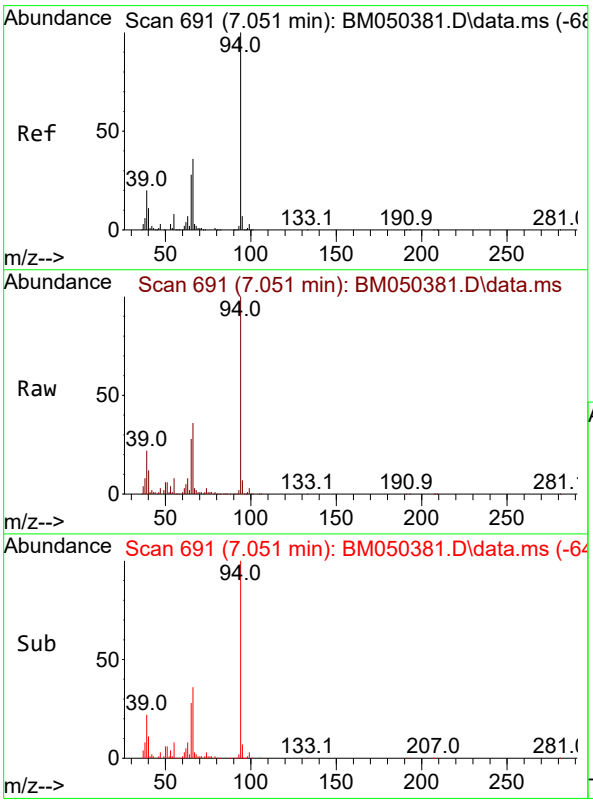
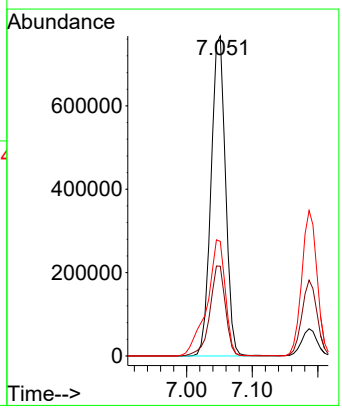
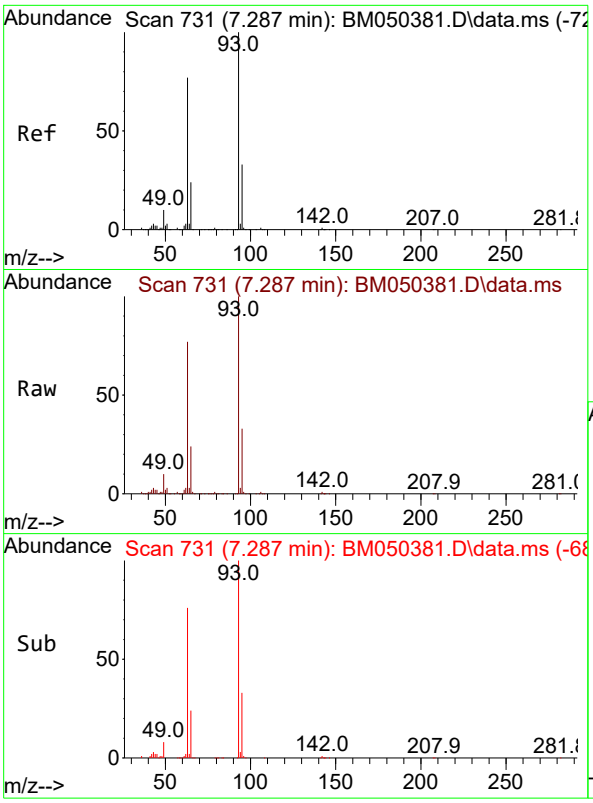



#10
Phenol
Concen: 39.486 ng
RT: 7.051 min Scan# 691
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion: 94 Resp: 1176548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.1 | 8.1 | 48.1 |
| 66 | 35.8 | 15.8 | 55.8 |

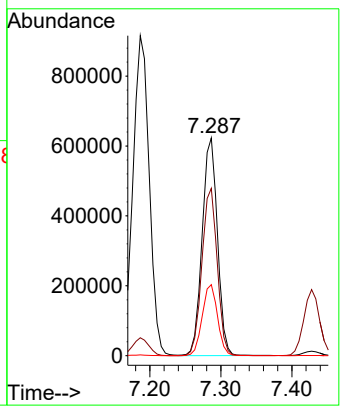





#11
bis(2-Chloroethyl)ether
Concen: 39.103 ng
RT: 7.287 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion: 93 Resp: 93309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 76.9 | 56.9 | 96.9 |
| 95 | 32.6 | 12.6 | 52.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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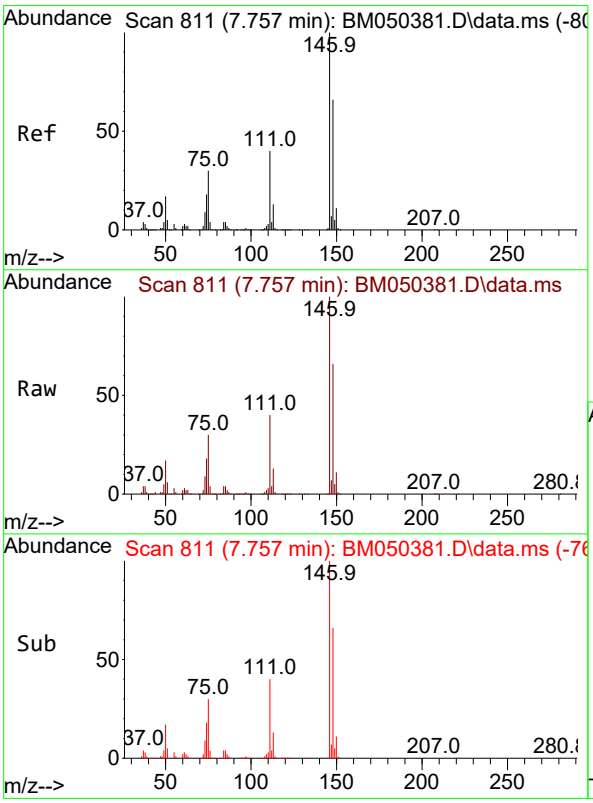
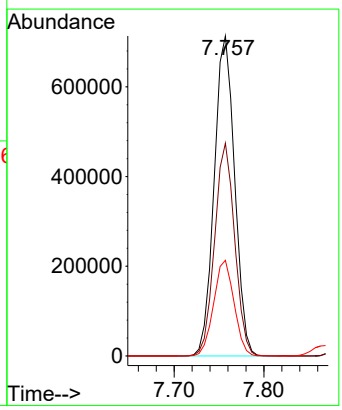
Supervised By :Jagrut Upadhyay 07/09/2025

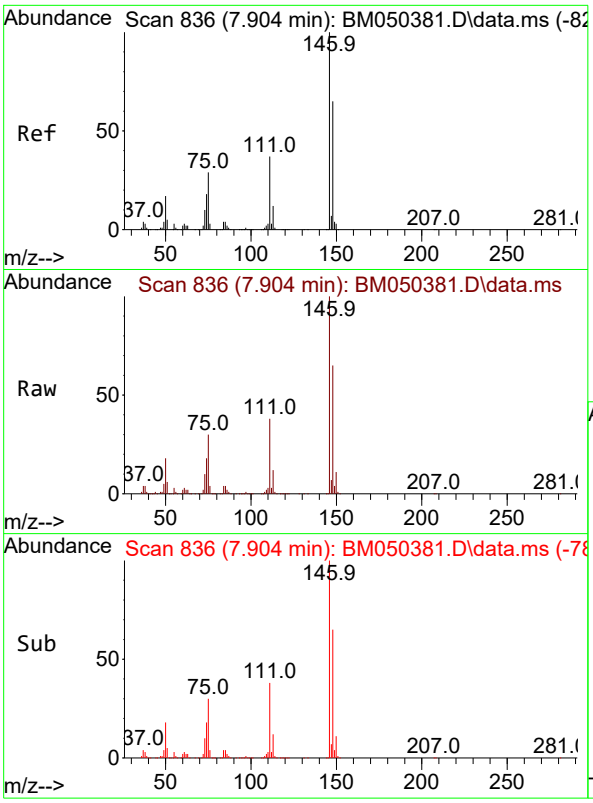



#12
1,3-Dichlorobenzene
Concen: 38.876 ng
RT: 7.757 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:146 Resp: 1129597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 66.5 | 53.2 | 79.8 |
| 75 | 29.9 | 23.9 | 35.9 |

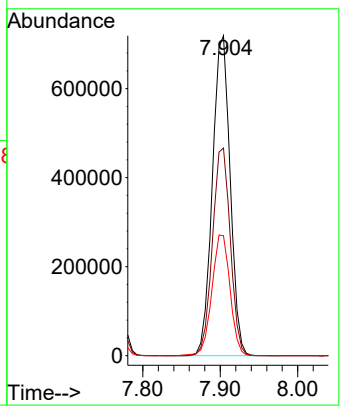





#13
1,4-Dichlorobenzene
Concen: 38.525 ng
RT: 7.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:146 Resp: 114302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.9 | 51.9 | 77.9 |
| 111 | 37.5 | 30.0 | 45.0 |




**Instrument :**
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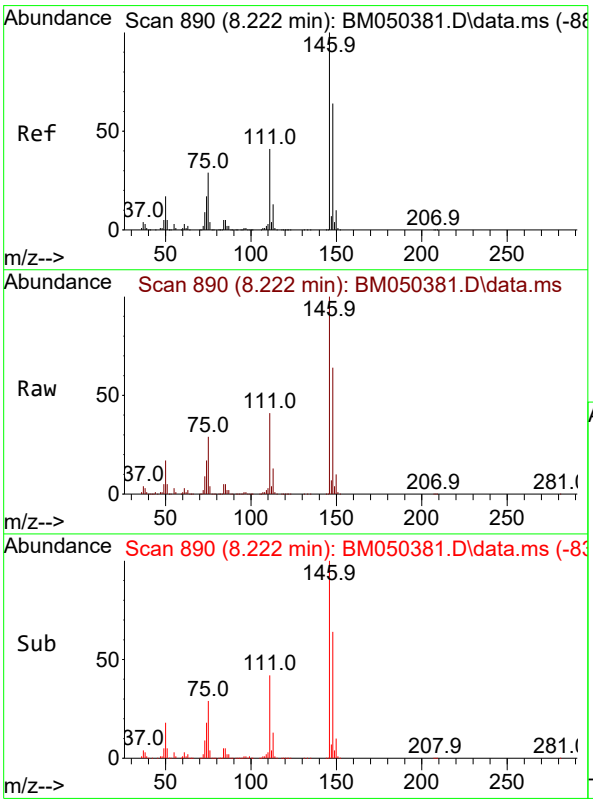
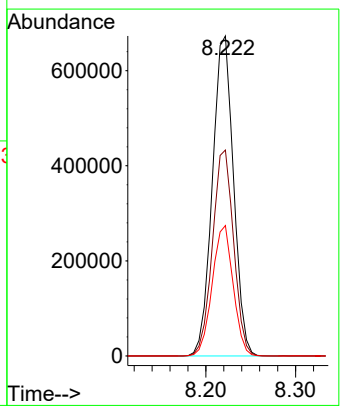
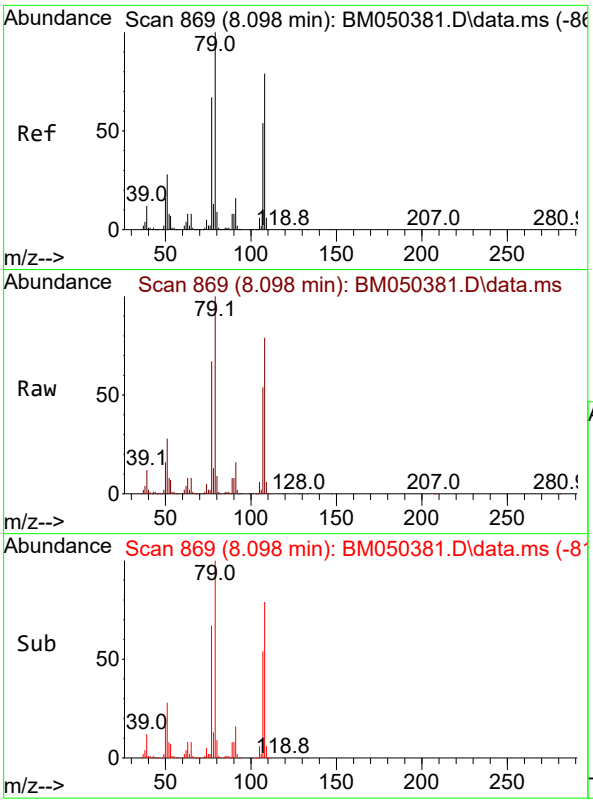



#14
1,2-Dichlorobenzene
Concen: 38.737 ng
RT: 8.222 min Scan# 890
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:146 Resp: 1100335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 51.5 | 77.3 |
| 111 | 40.8 | 32.6 | 49.0 |






#15
Benzyl Alcohol
Concen: 39.610 ng
RT: 8.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion: 79 Resp: 79730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 78.7 | 63.0 | 94.4 |
| 77 | 66.7 | 53.4 | 80.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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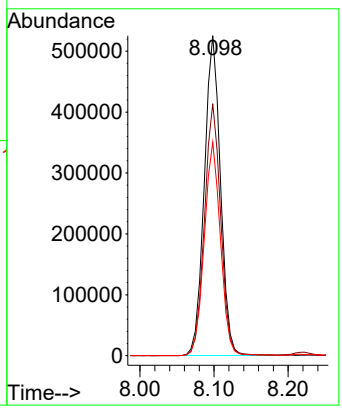
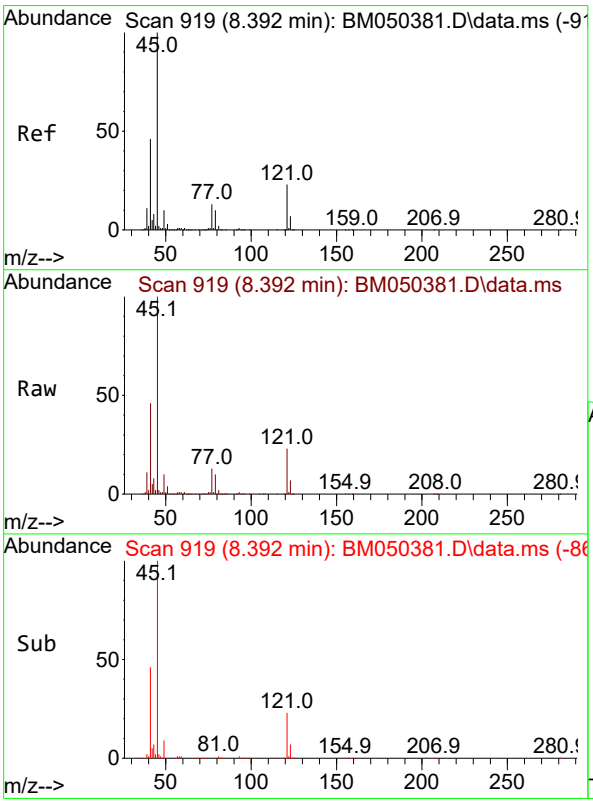
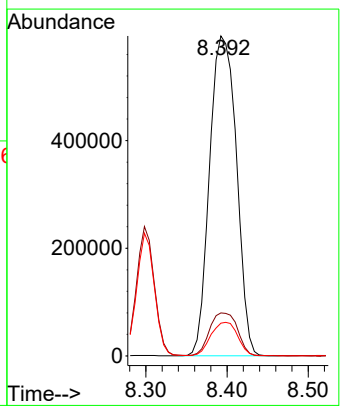


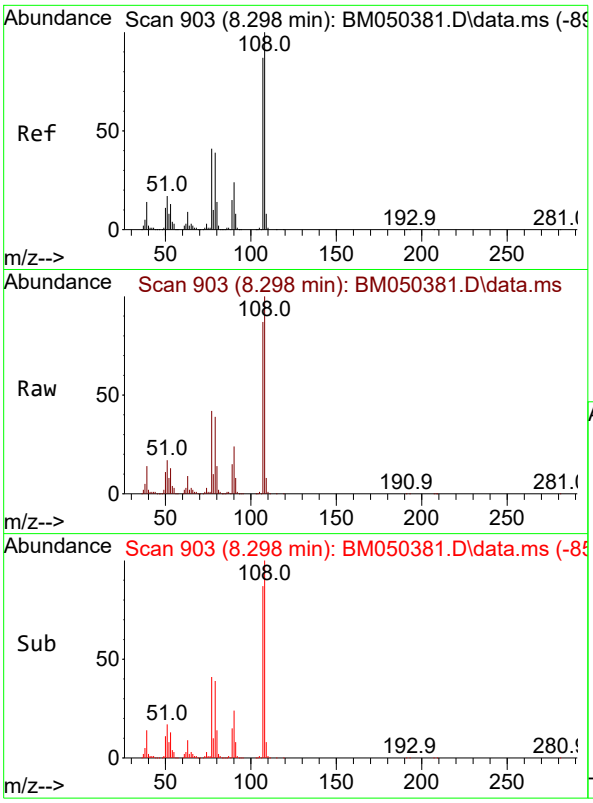




#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.896 ng
RT: 8.392 min Scan# 919
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion: 45 Resp: 1367157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 13.5 | 0.0 | 33.5 |
| 79 | 10.3 | 0.0 | 30.3 |

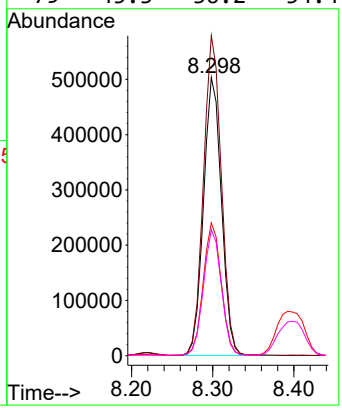





#17
2-Methylphenol
Concen: 39.981 ng
RT: 8.298 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:107 Resp: 77266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 115.1 | 92.1 | 138.1 |
| 77 | 47.8 | 38.2 | 57.4 |
| 79 | 45.3 | 36.2 | 54.4 |




**Instrument :**
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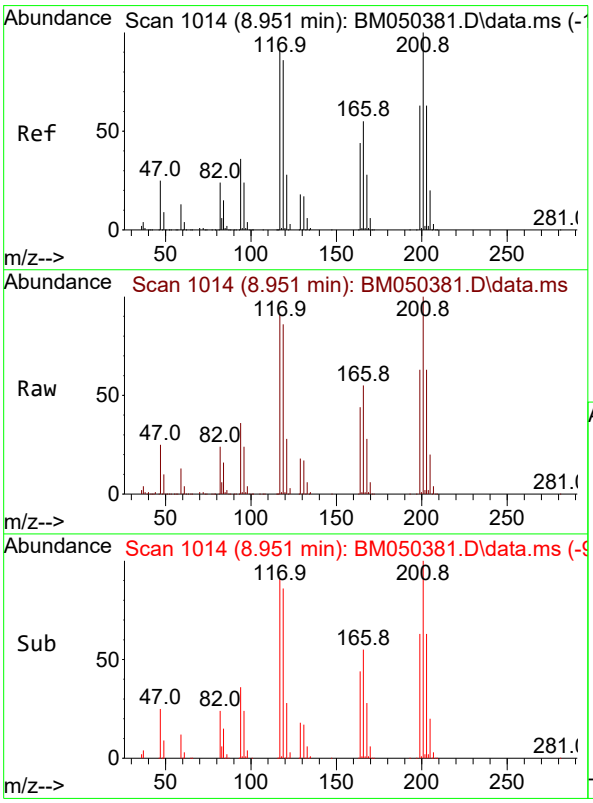
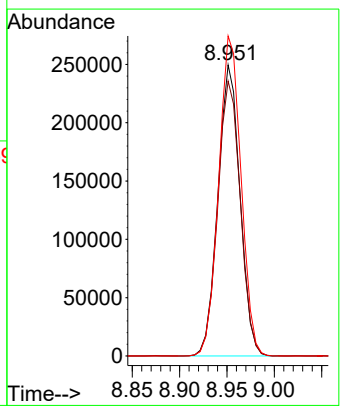
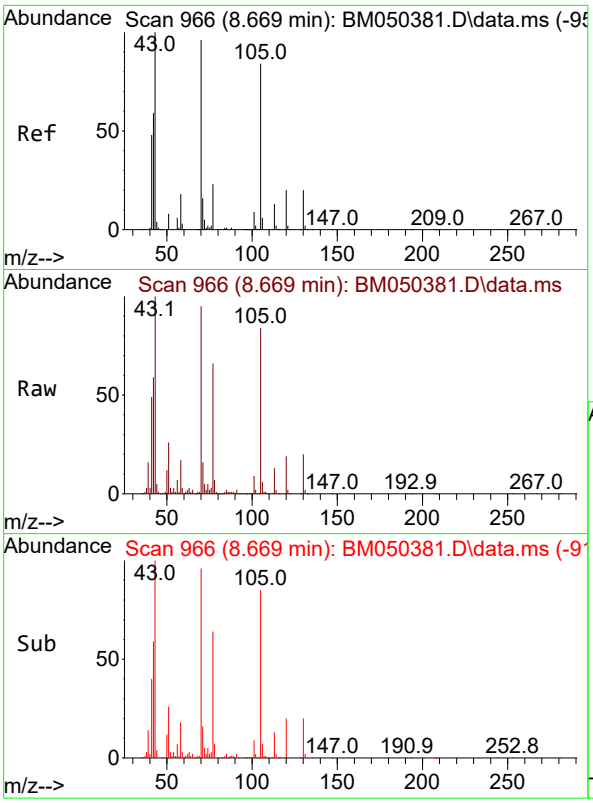



#18
Hexachloroethane
Concen: 38.914 ng
RT: 8.951 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:117 Resp: 406049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.5 | 75.6 | 113.4 |
| 201 | 109.9 | 87.9 | 131.9 |

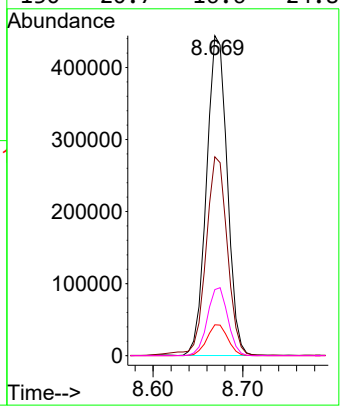





#19
n-Nitroso-di-n-propylamine
Concen: 41.065 ng
RT: 8.669 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion: 70 Resp: 71069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 62.1 | 49.7 | 74.5 |
| 101 | 9.6 | 7.7 | 11.5 |
| 130 | 20.7 | 16.6 | 24.8 |




**Instrument :**
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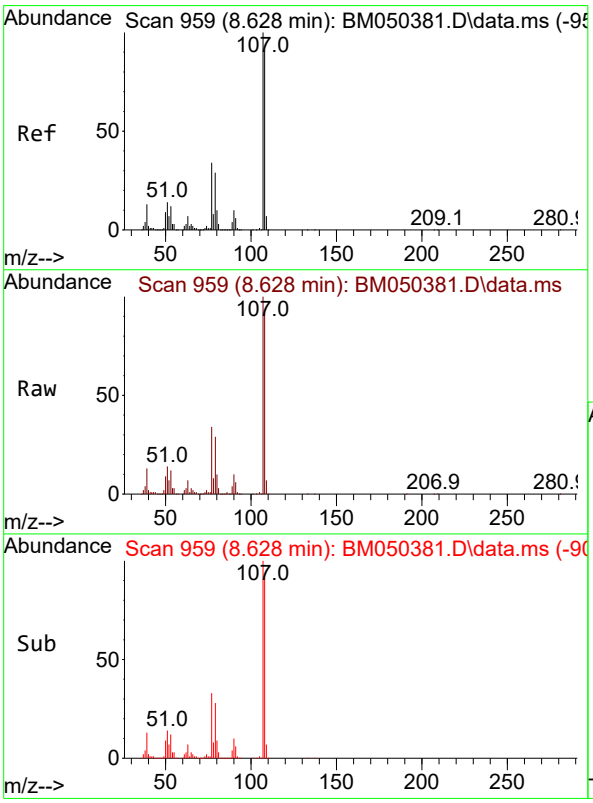
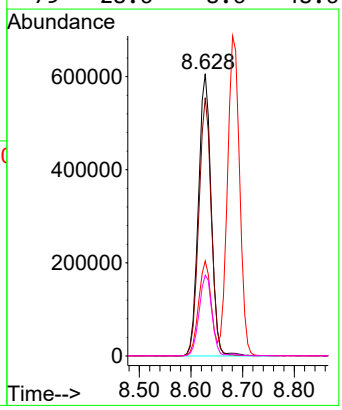
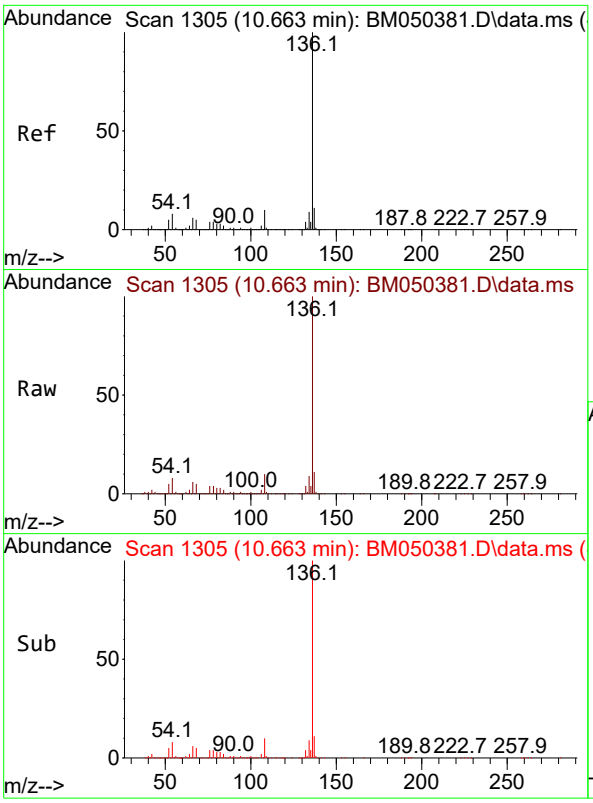



#20
3+4-Methylphenols
Concen: 39.847 ng
RT: 8.628 min Scan# 959
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:107 Resp: 1033775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.5 | 71.5 | 111.5 |
| 77 | 33.7 | 13.7 | 53.7 |
| 79 | 28.6 | 8.6 | 48.6 |

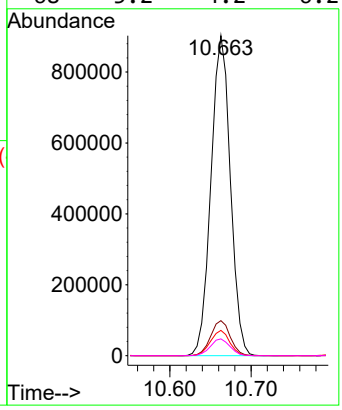





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:136 Resp: 149831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.8 | 13.2 |
| 54 | 7.9 | 6.3 | 9.5 |
| 68 | 5.2 | 4.2 | 6.2 |




**Instrument :**
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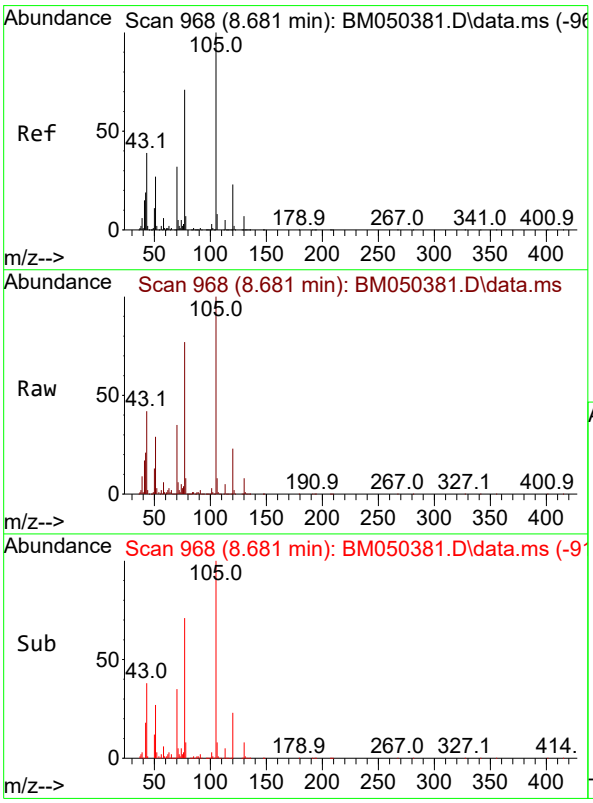
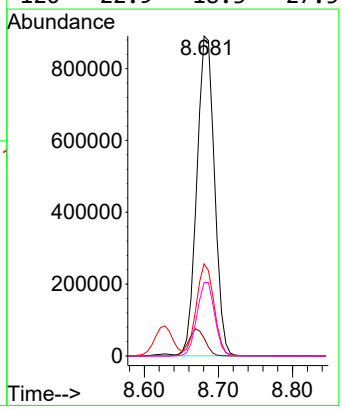
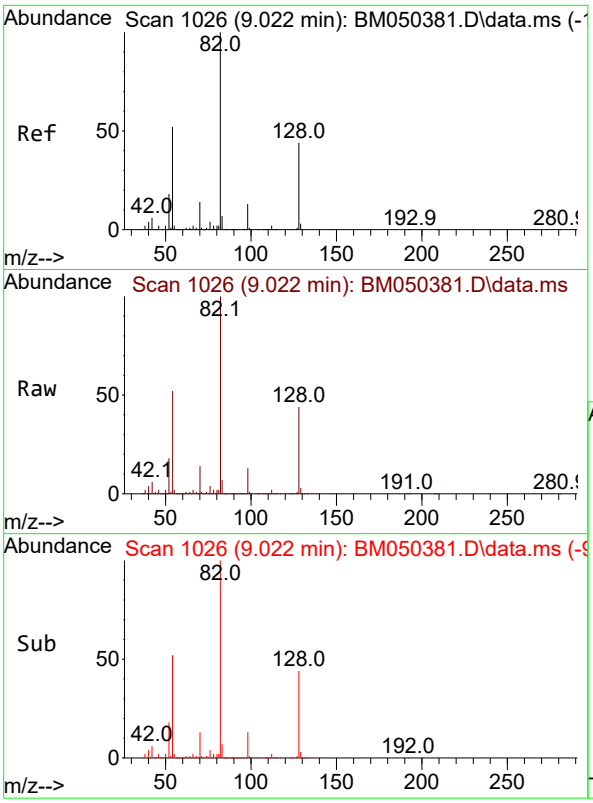



#22
Acetophenone
Concen: 39.290 ng
RT: 8.681 min Scan# 968
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:105 Resp: 1471867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 5.5 | 4.4 | 6.6 |
| 51 | 28.8 | 23.0 | 34.6 |
| 120 | 22.9 | 18.3 | 27.5 |






#23
Nitrobenzene-d5
Concen: 80.025 ng
RT: 9.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion: 82 Resp: 235020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.0 | 35.2 | 52.8 |
| 54 | 51.9 | 41.5 | 62.3 |

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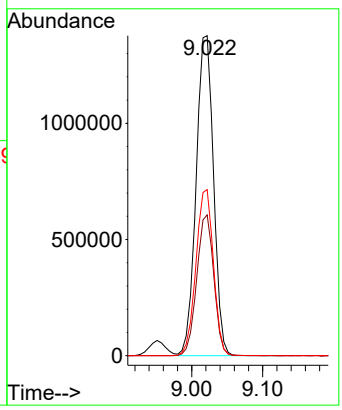
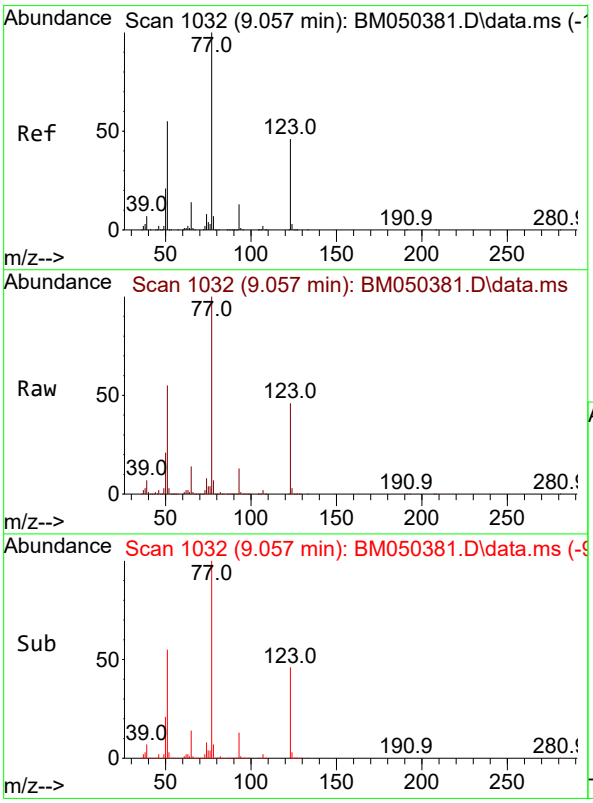
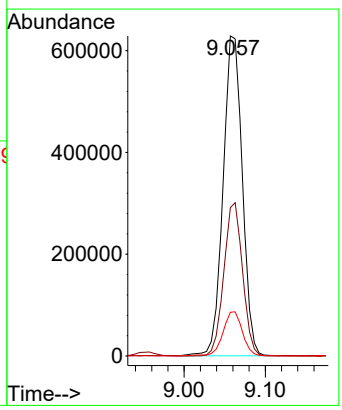


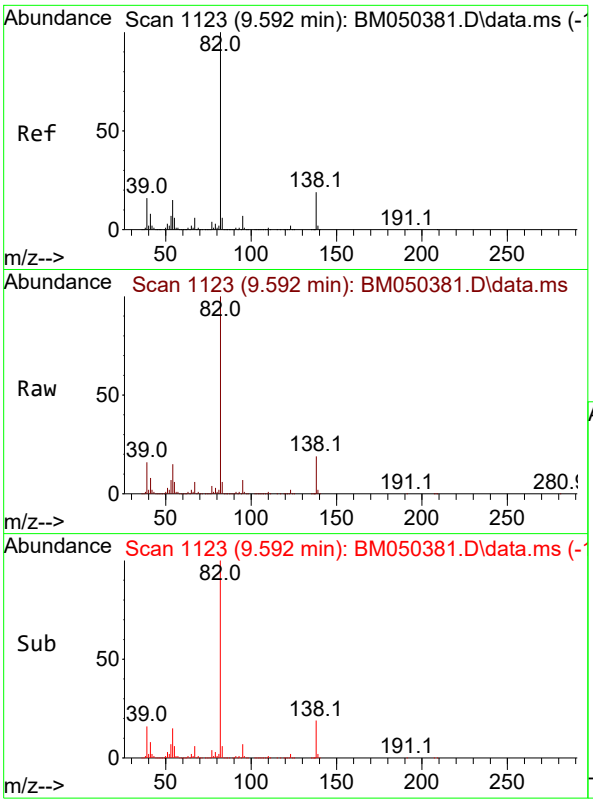




#24
Nitrobenzene
Concen: 39.463 ng
RT: 9.057 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion: 77 Resp: 1034216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.3 | 37.0 | 55.6 |
| 65 | 13.7 | 11.0 | 16.4 |

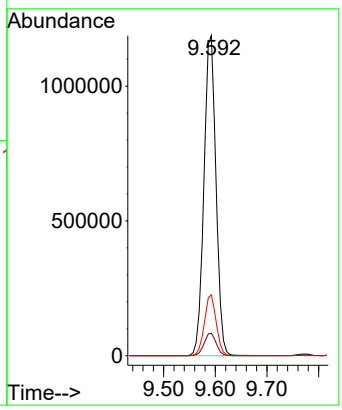





#25
Isophorone
Concen: 40.218 ng
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion: 82 Resp: 191660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.0 | 5.6 | 8.4 |
| 138 | 19.1 | 15.3 | 22.9 |

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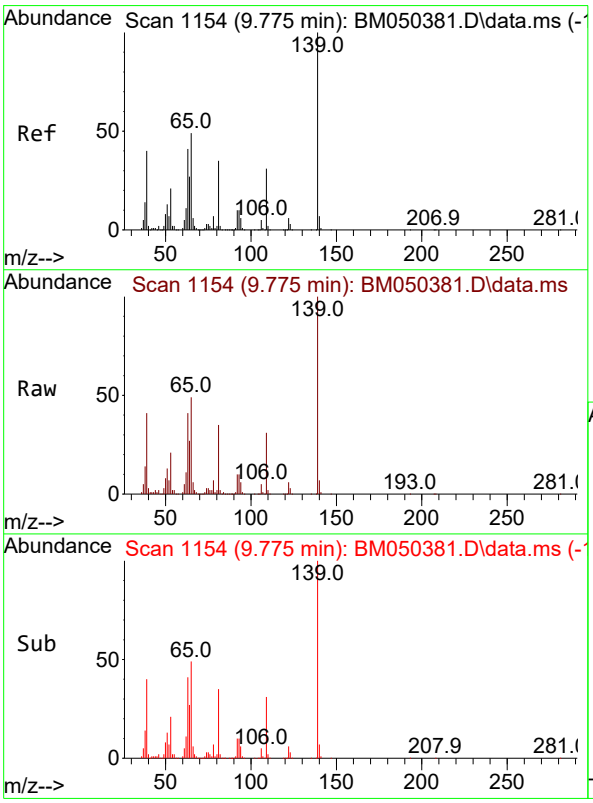
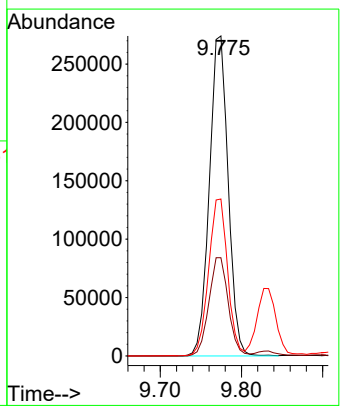
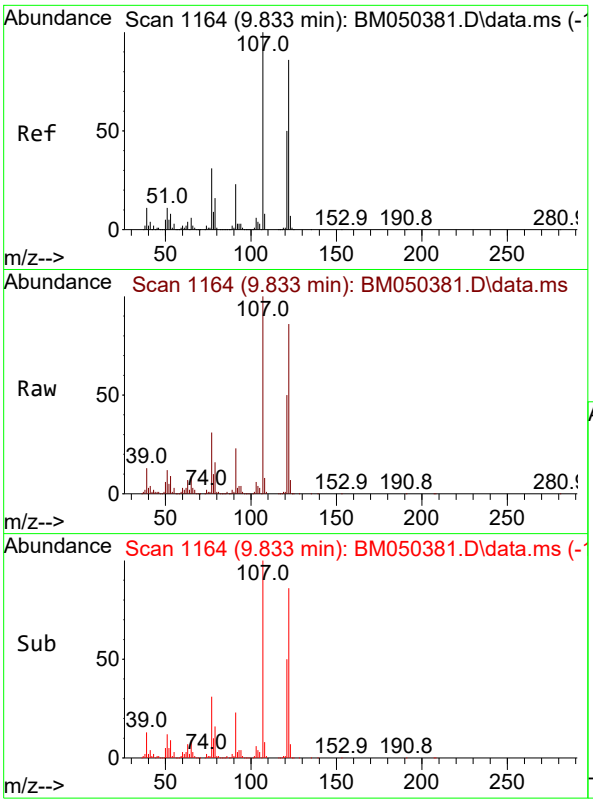



#26
2-Nitrophenol
Concen: 41.266 ng
RT: 9.775 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:139 Resp: 440758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 30.7 | 24.6 | 36.8 |
| 65 | 49.0 | 39.2 | 58.8 |

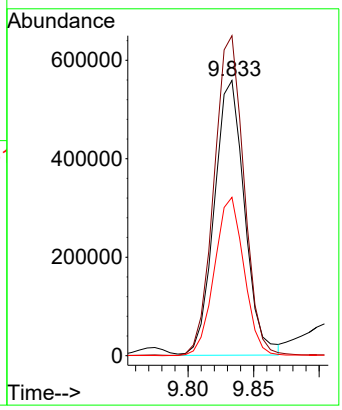





#27
2,4-Dimethylphenol
Concen: 39.384 ng
RT: 9.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:122 Resp: 89511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 116.3 | 93.0 | 139.6 |
| 121 | 57.6 | 46.1 | 69.1 |




**Instrument :**
BNA_M
**ClientSampleId :**
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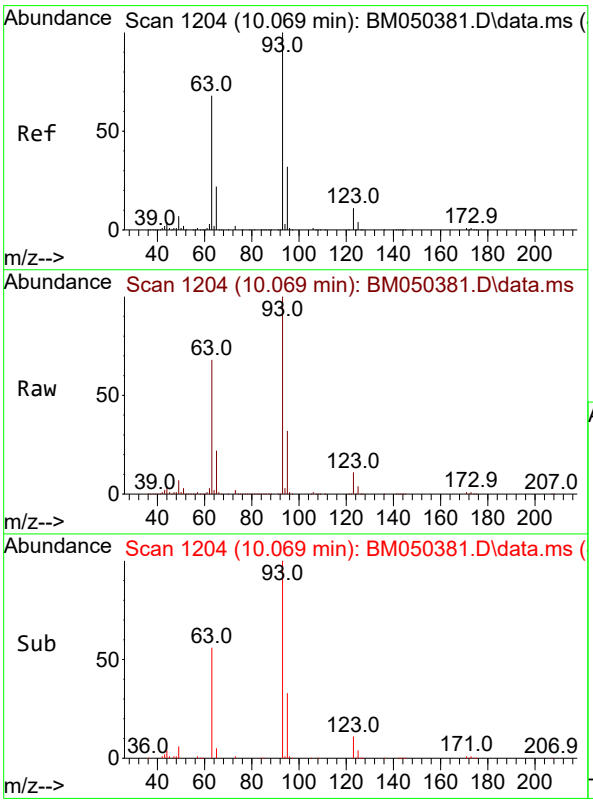
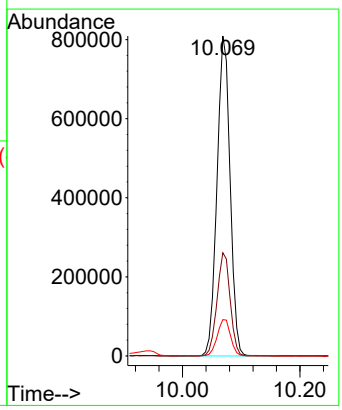
Supervised By :Jagrut Upadhyay 07/09/2025

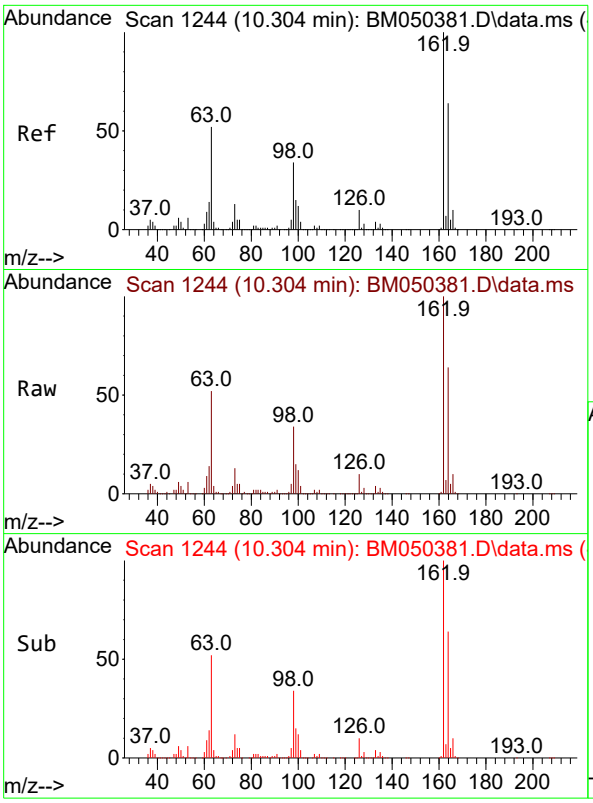



#28
bis(2-Chloroethoxy)methane
Concen: 39.577 ng
RT: 10.069 min Scan# 1204
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion: 93 Resp: 1249755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.2 | 25.8 | 38.6 |
| 123 | 11.4 | 9.1 | 13.7 |

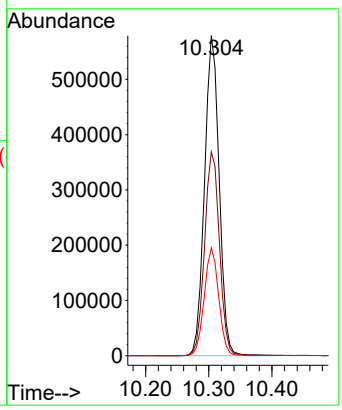





#29
2,4-Dichlorophenol
Concen: 40.040 ng
RT: 10.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:162 Resp: 93492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.7 | 43.7 | 83.7 |
| 98 | 33.7 | 13.7 | 53.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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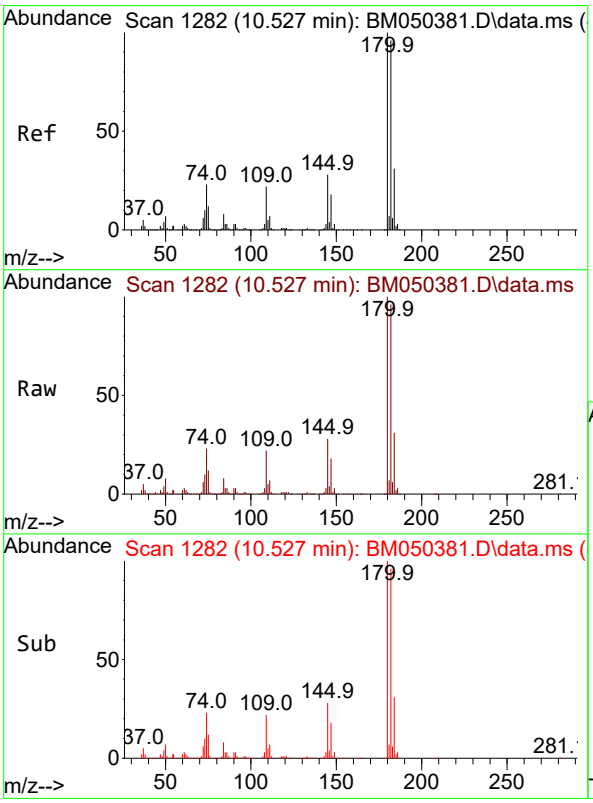
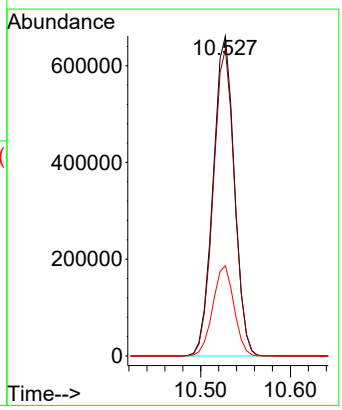
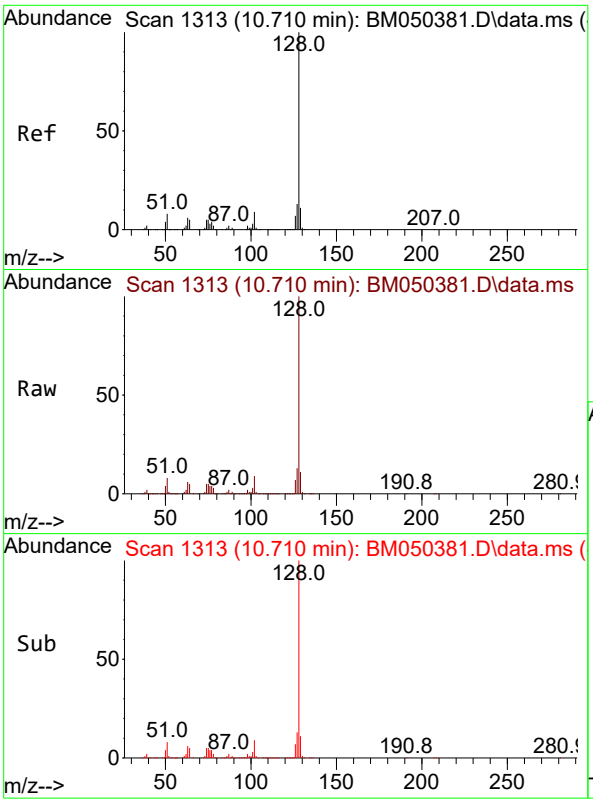



#30
1,2,4-Trichlorobenzene
Concen: 38.850 ng
RT: 10.527 min Scan# 1282
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:180 Resp: 1085193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.0 | 76.8 | 115.2 |
| 145 | 28.2 | 22.6 | 33.8 |

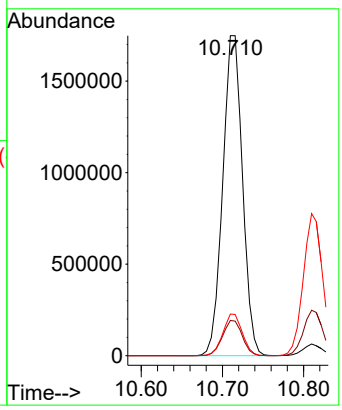





#31
Naphthalene
Concen: 38.905 ng
RT: 10.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:128 Resp: 296080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.8 | 13.2 |
| 127 | 13.0 | 10.4 | 15.6 |

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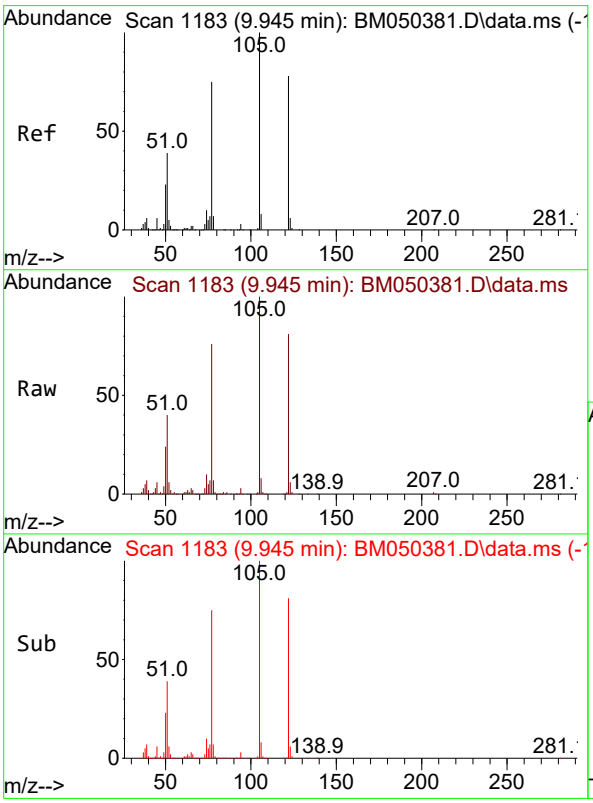
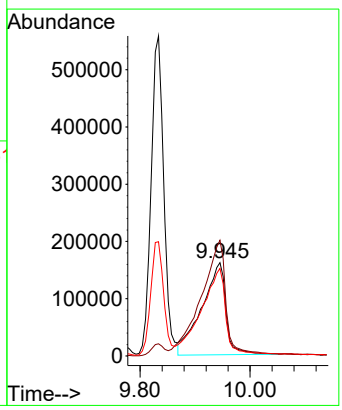
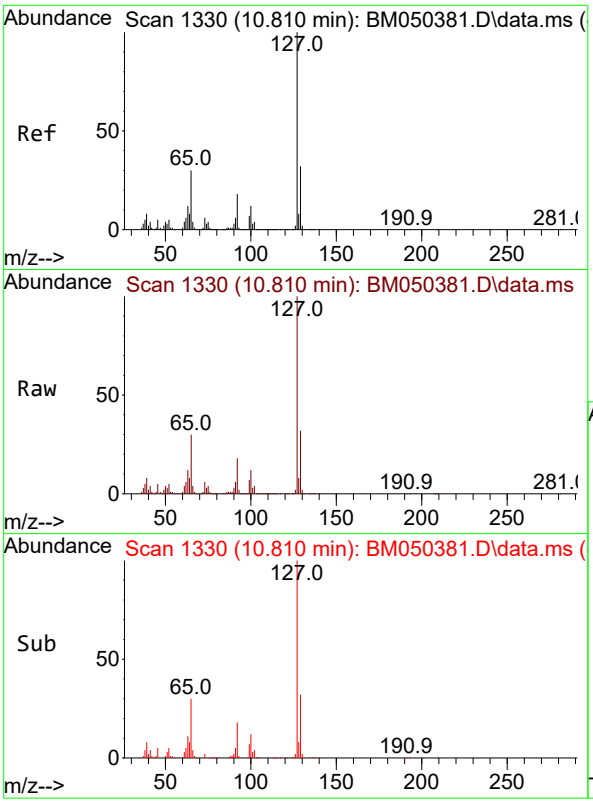



#32
Benzoic acid
Concen: 36.793 ng
RT: 9.945 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:122 Resp: 491059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.0 | 104.0 | 144.0 |
| 77 | 93.8 | 73.8 | 113.8 |

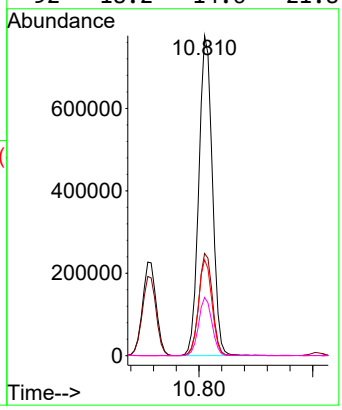





#33
4-Chloroaniline
Concen: 39.947 ng
RT: 10.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:127 Resp: 128522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.9 | 25.5 | 38.3 |
| 65 | 29.9 | 23.9 | 35.9 |
| 92 | 18.2 | 14.6 | 21.8 |




**Instrument :**
BNA_M
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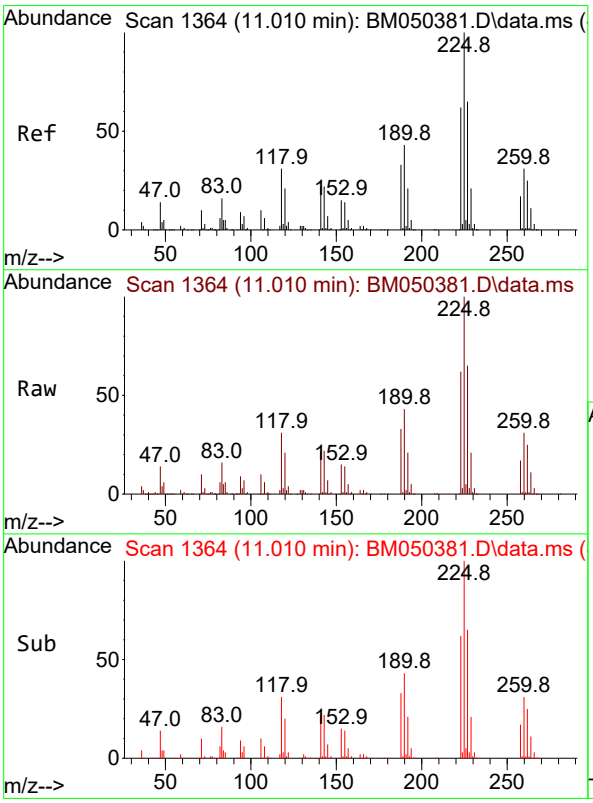
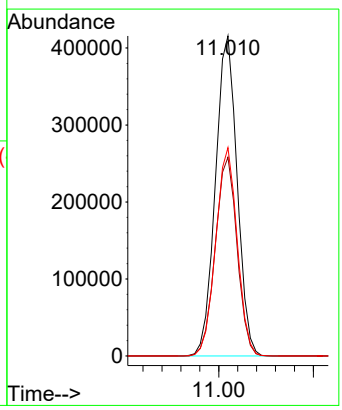
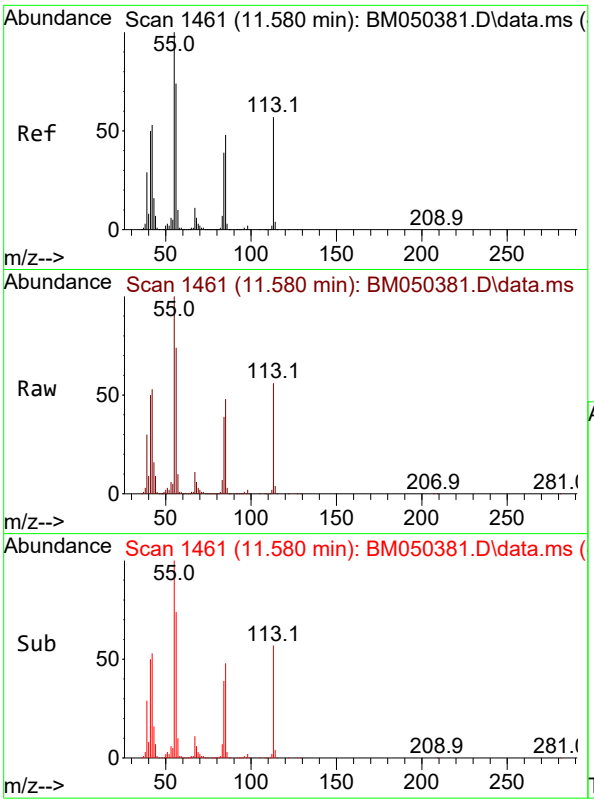



#34
Hexachlorobutadiene
Concen: 38.844 ng
RT: 11.010 min Scan# 1364
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:225 Resp: 662229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.1 | 49.7 | 74.5 |
| 227 | 65.1 | 52.1 | 78.1 |

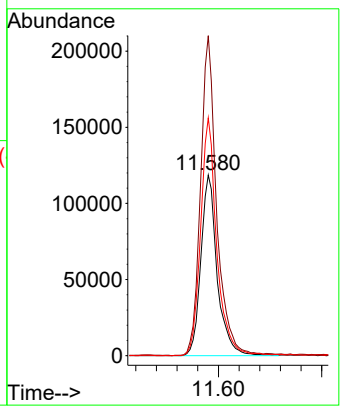





#35
Caprolactam
Concen: 40.791 ng
RT: 11.580 min Scan# 14
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:113 Resp: 26001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 177.2 | 157.2 | 197.2 |
| 56 | 131.7 | 111.7 | 151.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
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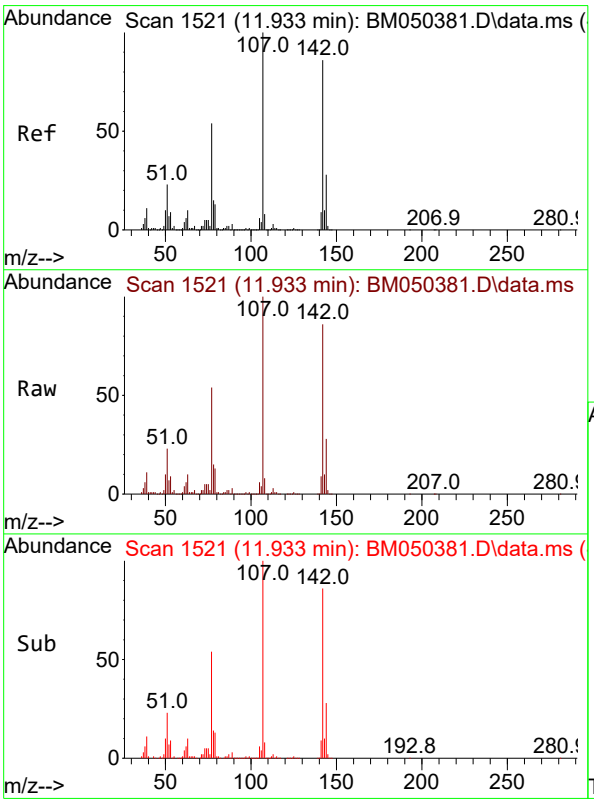
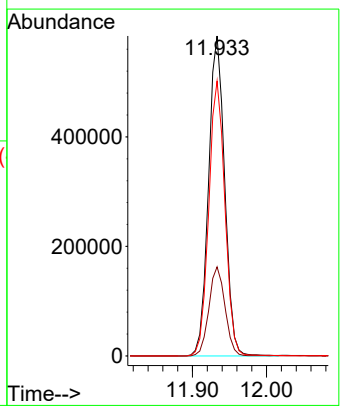
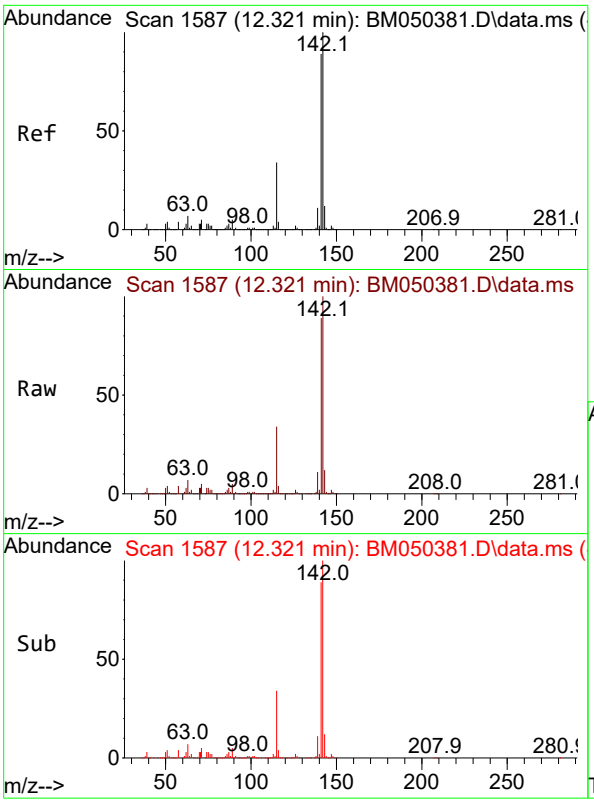



#36
4-Chloro-3-methylphenol
Concen: 40.538 ng
RT: 11.933 min Scan# 1521
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:107 Resp: 883903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 27.8 | 22.2 | 33.4 |
| 142 | 85.9 | 68.7 | 103.1 |

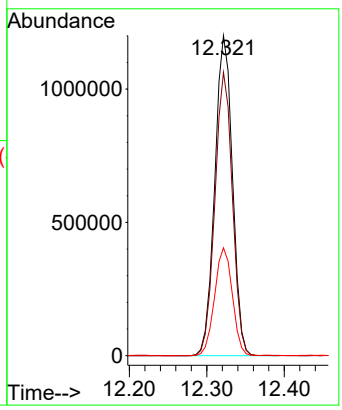





#37
2-Methylnaphthalene
Concen: 39.576 ng
RT: 12.321 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:142 Resp: 190170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.5 | 70.8 | 106.2 |
| 115 | 33.7 | 27.0 | 40.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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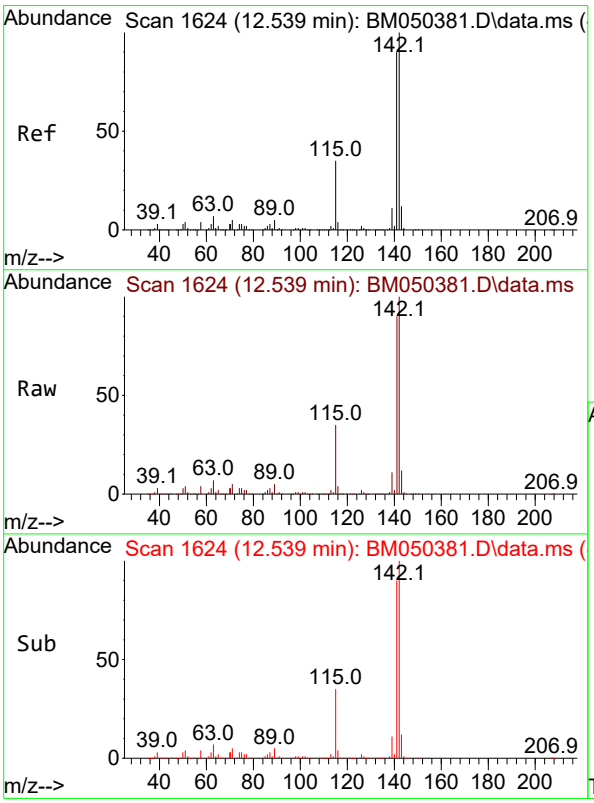
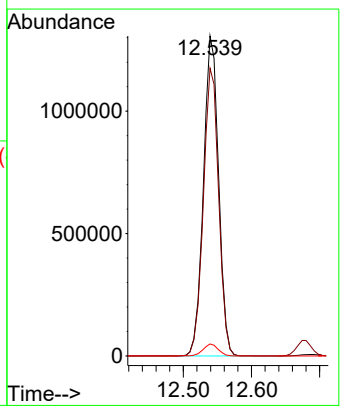
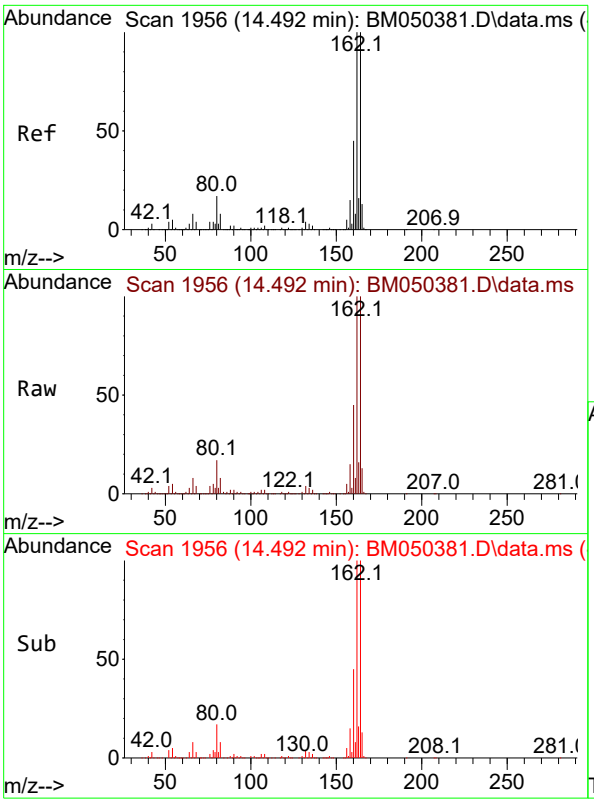



#38
1-Methylnaphthalene
Concen: 39.665 ng
RT: 12.539 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:142 Resp: 2017118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.9 | 71.9 | 107.9 |
| 116 | 3.8 | 3.0 | 4.6 |

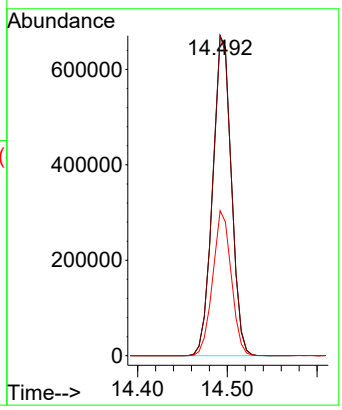





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:164 Resp: 96707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.9 | 79.9 | 119.9 |
| 160 | 45.3 | 36.2 | 54.4 |




**Instrument :**
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SSTDICCC040

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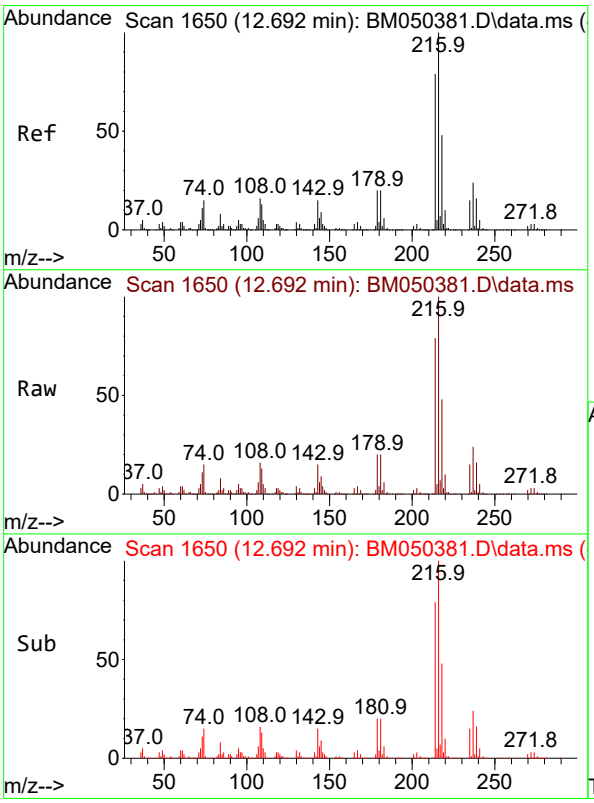
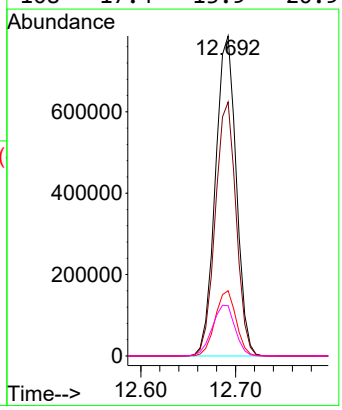
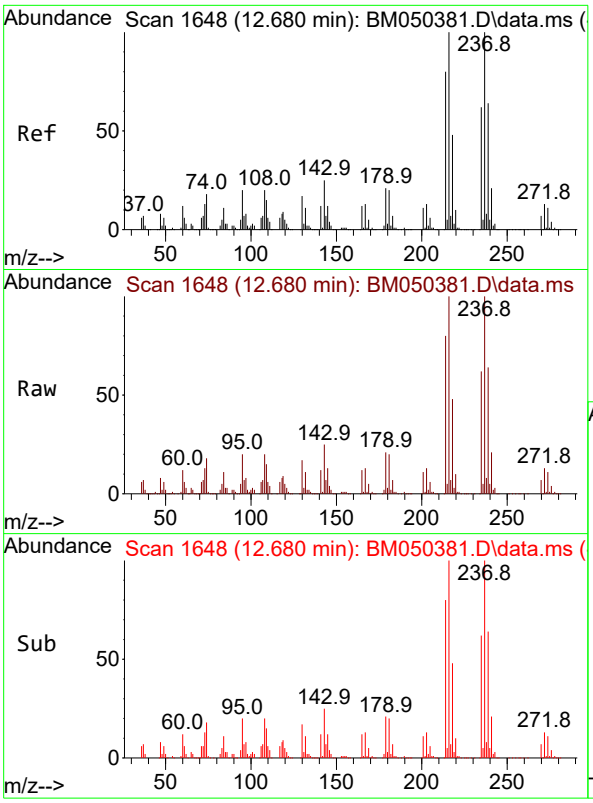



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.134 ng
RT: 12.692 min Scan# 1650
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:216 Resp: 1203524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.1 | 63.3 | 94.9 |
| 179 | 20.5 | 16.4 | 24.6 |
| 108 | 17.4 | 13.9 | 20.9 |

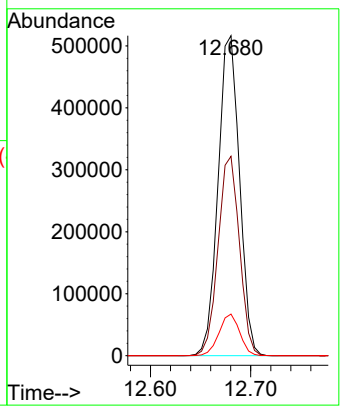





#41
Hexachlorocyclopentadiene
Concen: 38.951 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:237 Resp: 765708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.3 | 42.3 | 82.3 |
| 272 | 13.0 | 0.0 | 33.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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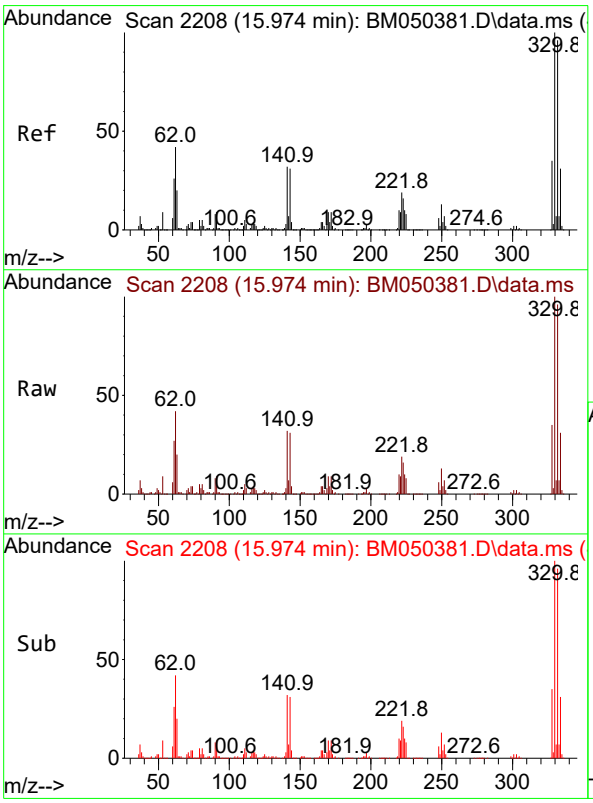
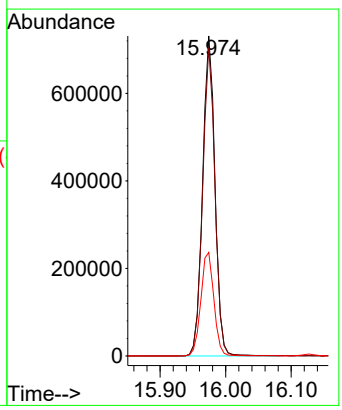
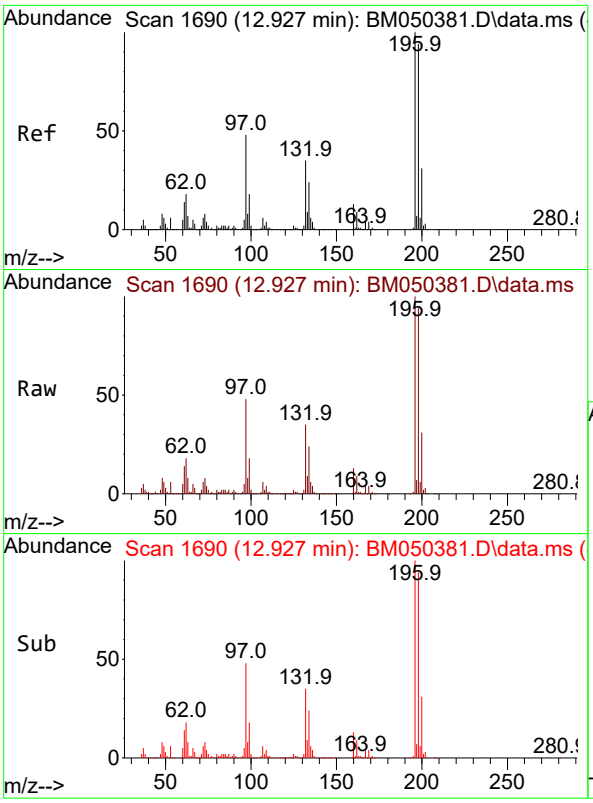



#42
2,4,6-Tribromophenol
Concen: 81.797 ng
RT: 15.974 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:330 Resp: 961125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.1 | 76.9 | 115.3 |
| 141 | 34.2 | 27.4 | 41.0 |






#43
2,4,6-Trichlorophenol
Concen: 40.252 ng
RT: 12.927 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:196 Resp: 76198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 93.9 | 75.1 | 112.7 |
| 200 | 30.8 | 24.6 | 37.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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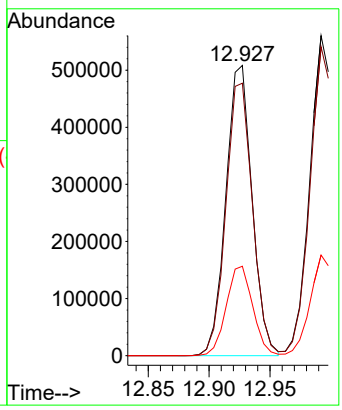
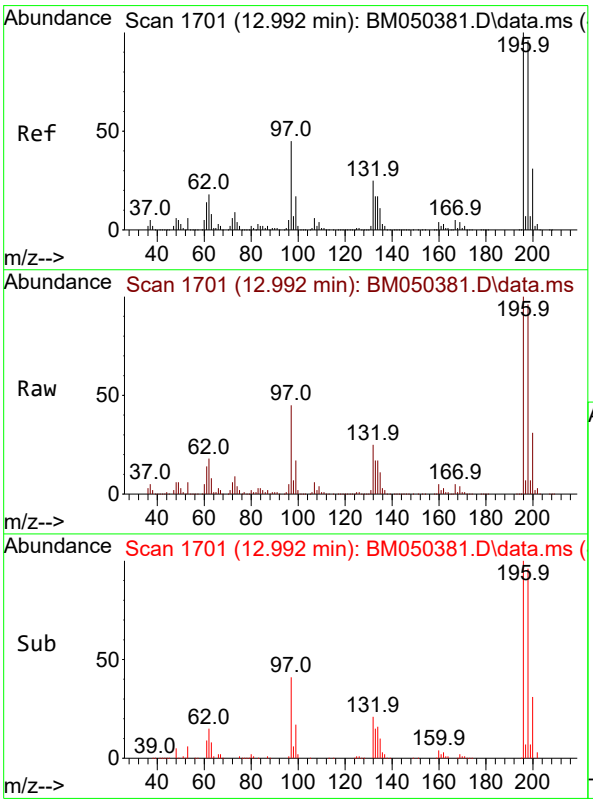
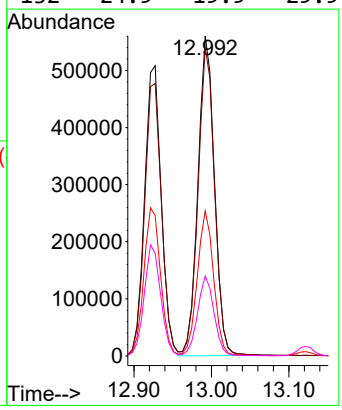


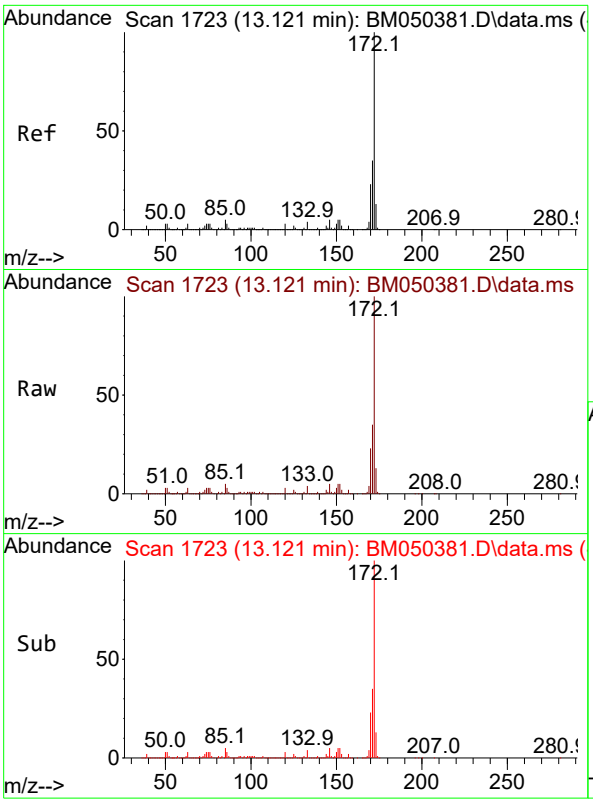




#44
2,4,5-Trichlorophenol
Concen: 40.202 ng
RT: 12.992 min Scan# 1701
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:196 Resp: 831142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.5 | 77.2 | 115.8 |
| 97 | 45.3 | 36.2 | 54.4 |
| 132 | 24.9 | 19.9 | 29.9 |

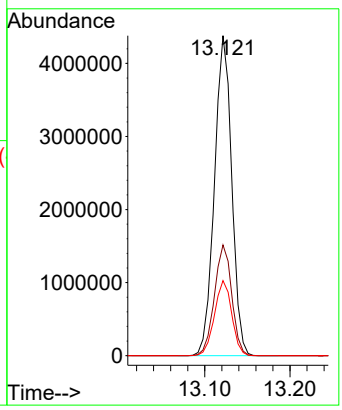





#45
2-Fluorobiphenyl
Concen: 78.635 ng
RT: 13.121 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:172 Resp: 615788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.6 | 27.7 | 41.5 |
| 170 | 23.5 | 18.8 | 28.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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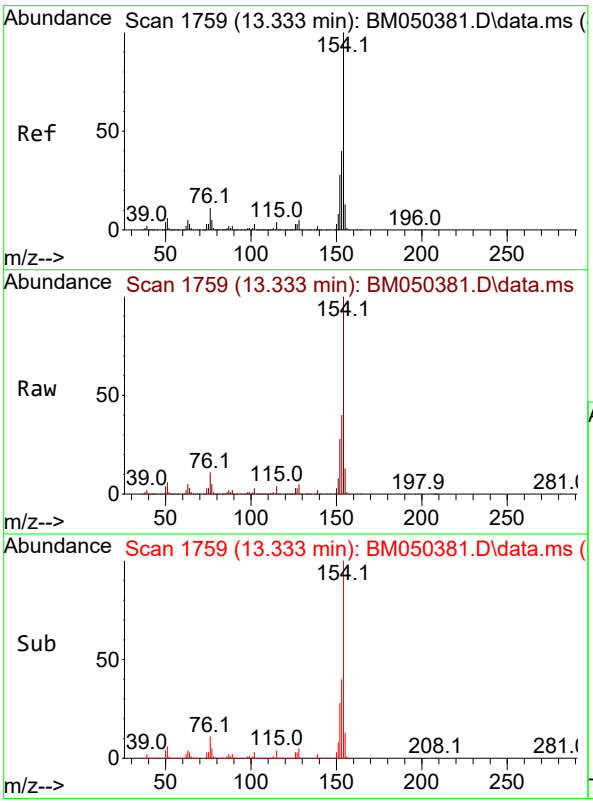
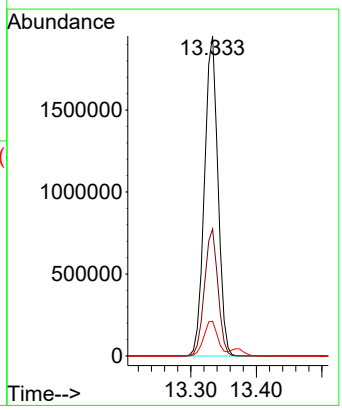
Supervised By :Jagrut Upadhyay 07/09/2025

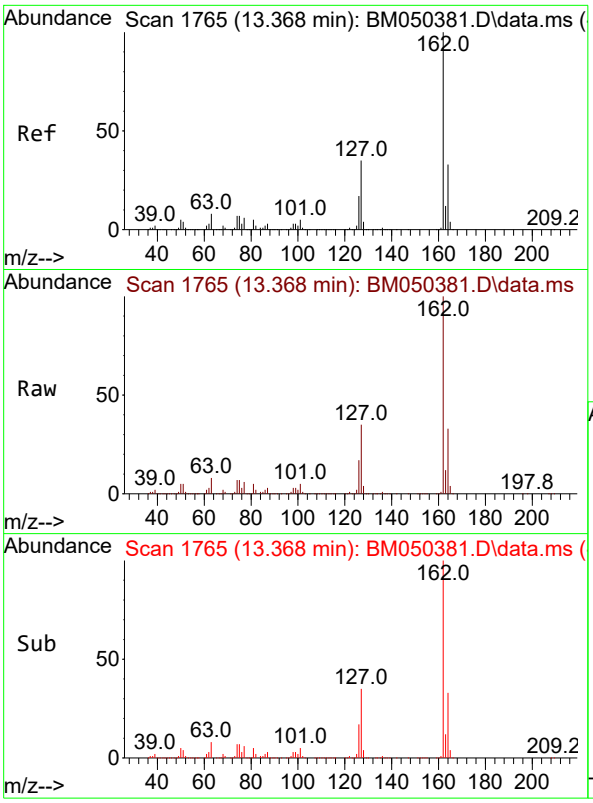



#46
1,1'-Biphenyl
Concen: 38.832 ng
RT: 13.333 min Scan# 1759
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:154 Resp: 2786215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.7 | 19.7 | 59.7 |
| 76 | 10.9 | 0.0 | 30.9 |

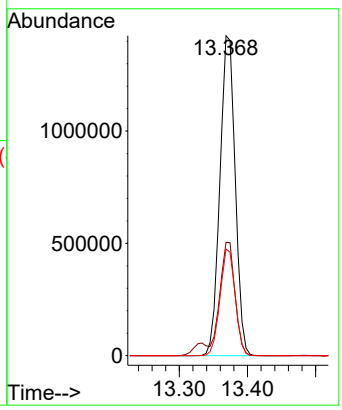





#47
2-Chloronaphthalene
Concen: 38.889 ng
RT: 13.368 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:162 Resp: 222472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 35.4 | 28.3 | 42.5 |
| 164 | 33.3 | 26.6 | 40.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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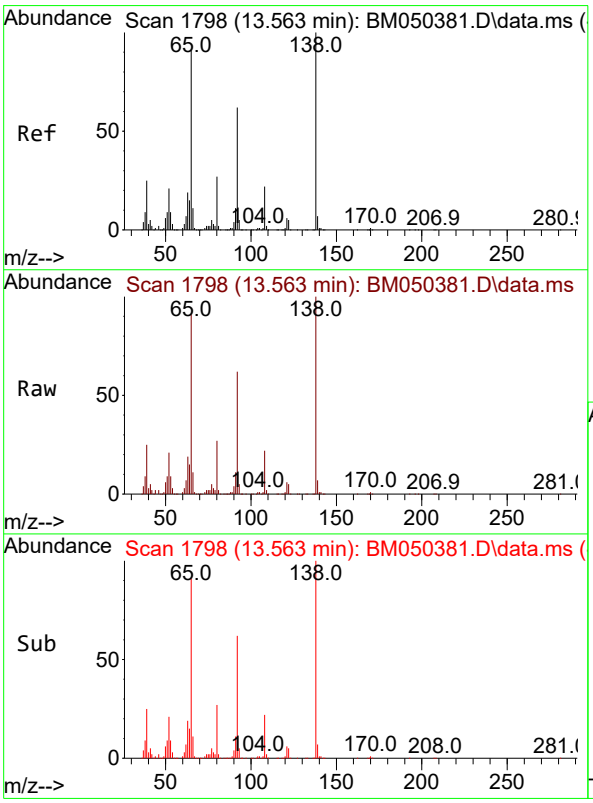
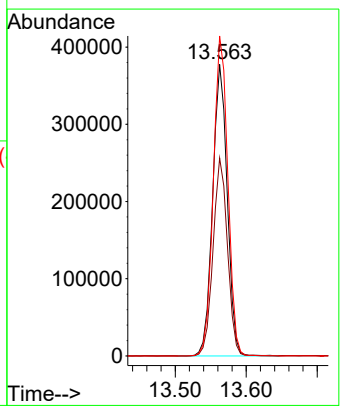
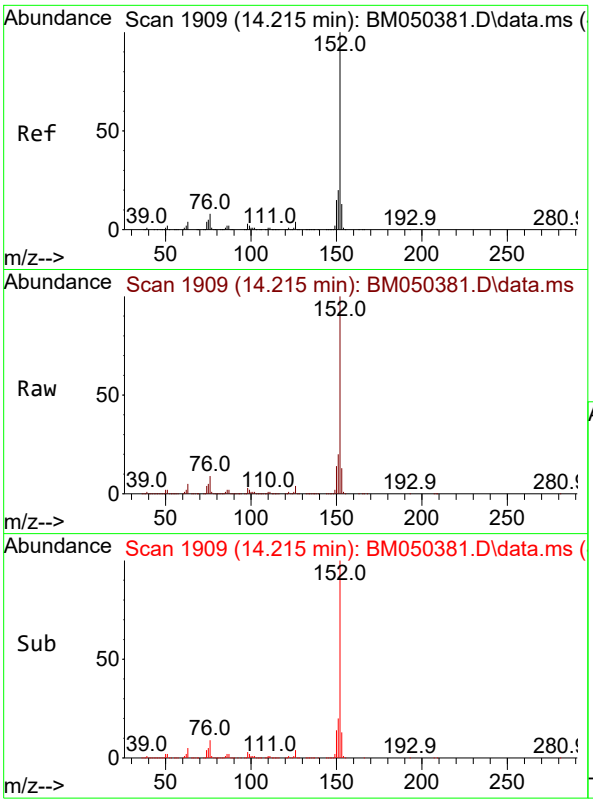



#48
2-Nitroaniline
Concen: 42.165 ng
RT: 13.563 min Scan# 1798
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion: 65 Resp: 538415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 67.9 | 54.3 | 81.5 |
| 138 | 109.7 | 87.8 | 131.6 |

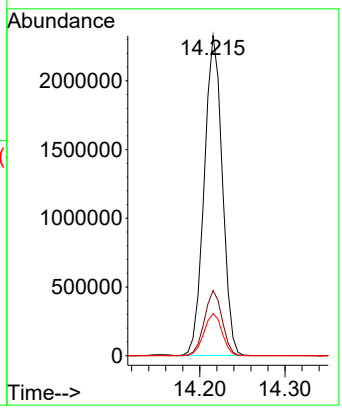





#49
Acenaphthylene
Concen: 39.714 ng
RT: 14.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:152 Resp: 343358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.4 | 16.3 | 24.5 |
| 153 | 13.2 | 10.6 | 15.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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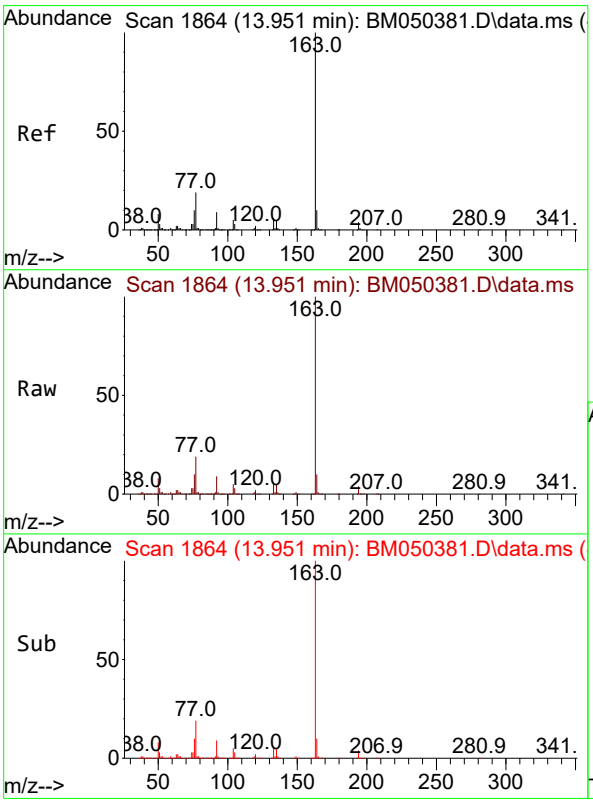
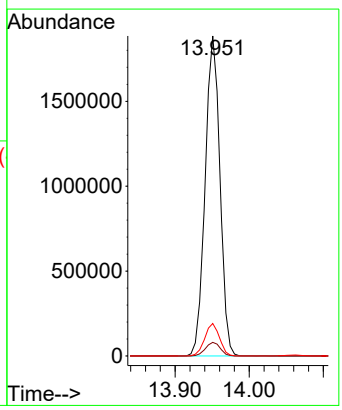
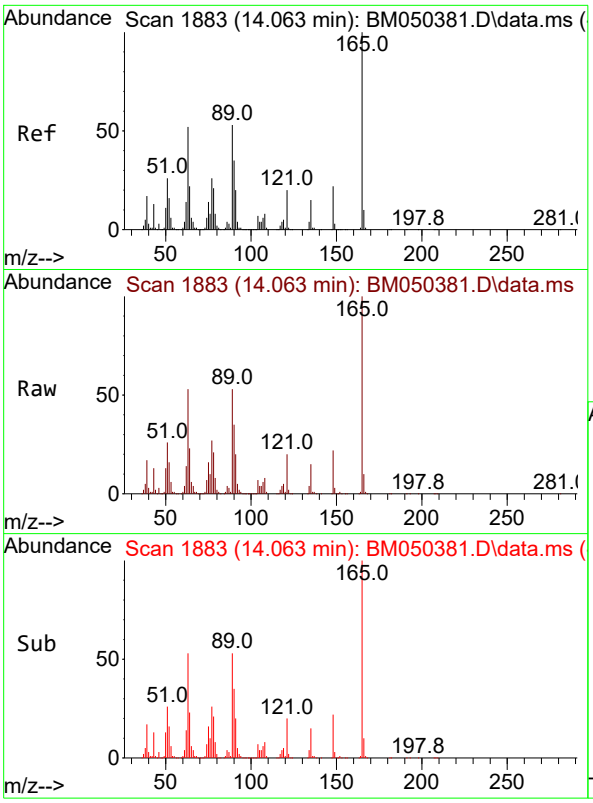



#50
Dimethylphthalate
Concen: 39.248 ng
RT: 13.951 min Scan# 1864
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:163 Resp: 2613190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.4 | 5.2 |
| 164 | 10.2 | 8.2 | 12.2 |

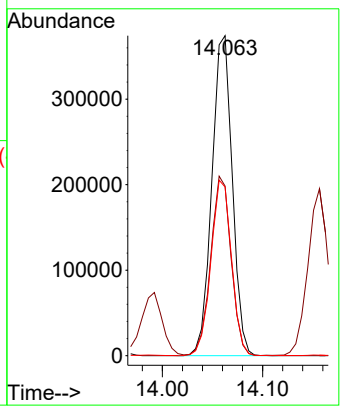





#51
2,6-Dinitrotoluene
Concen: 41.362 ng
RT: 14.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:165 Resp: 52876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 53.0 | 42.4 | 63.6 |
| 89 | 52.7 | 42.2 | 63.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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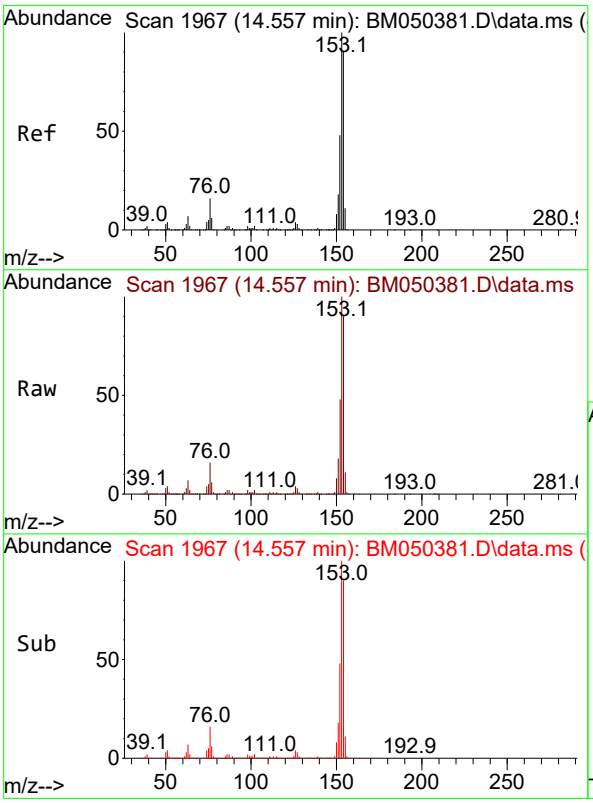
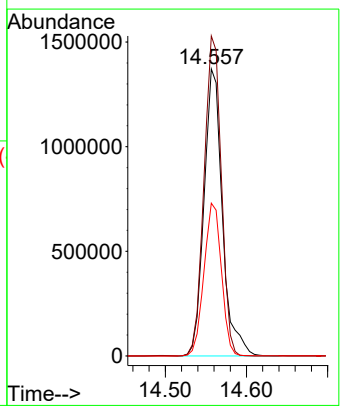
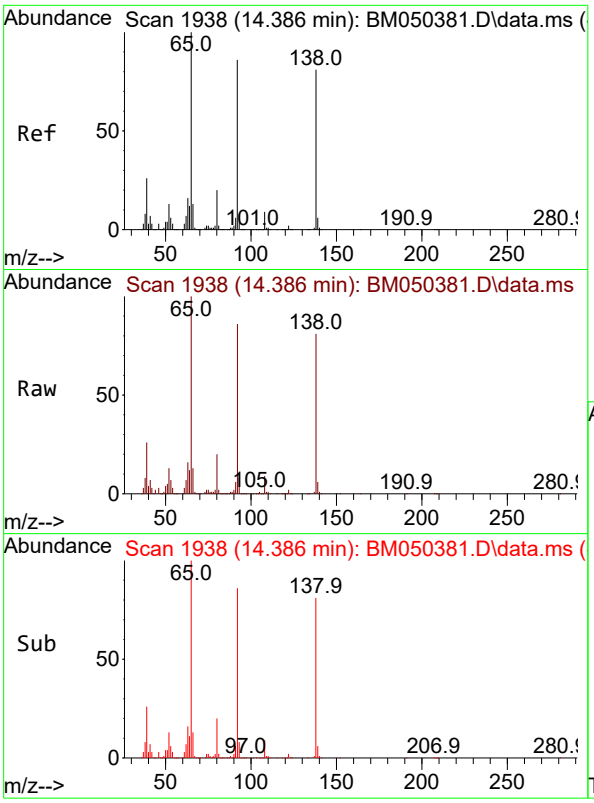



#52
Acenaphthene
Concen: 39.080 ng
RT: 14.557 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:154 Resp: 2148079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.5 | 89.2 | 133.8 |
| 152 | 53.3 | 42.6 | 64.0 |

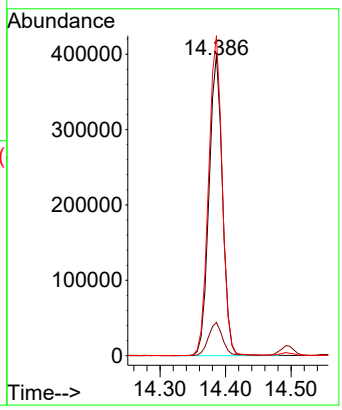





#53
3-Nitroaniline
Concen: 41.832 ng
RT: 14.386 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:138 Resp: 56871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.0 | 8.8 | 13.2 |
| 92 | 106.3 | 85.0 | 127.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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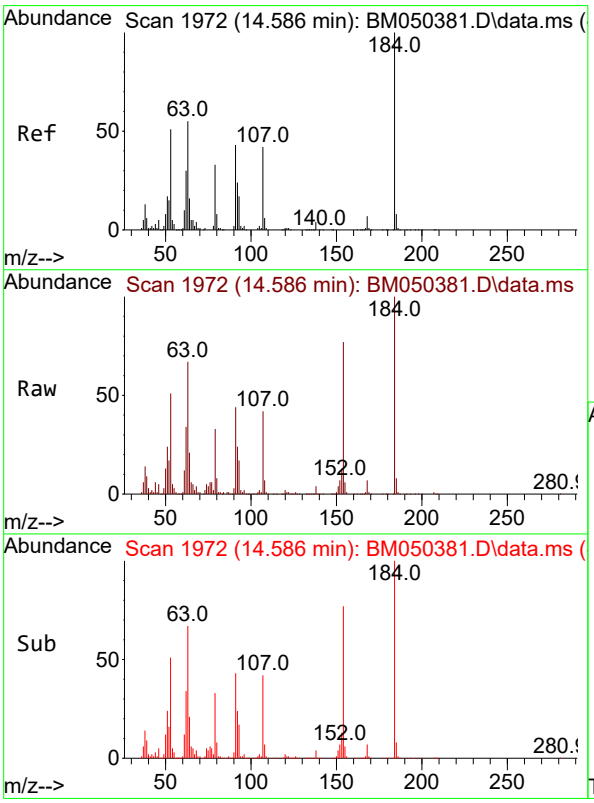
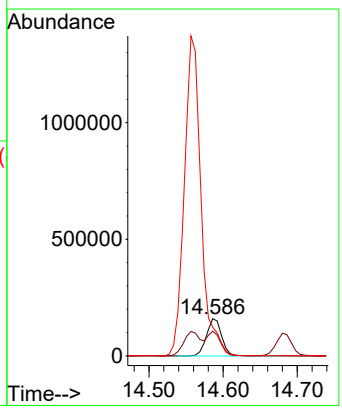
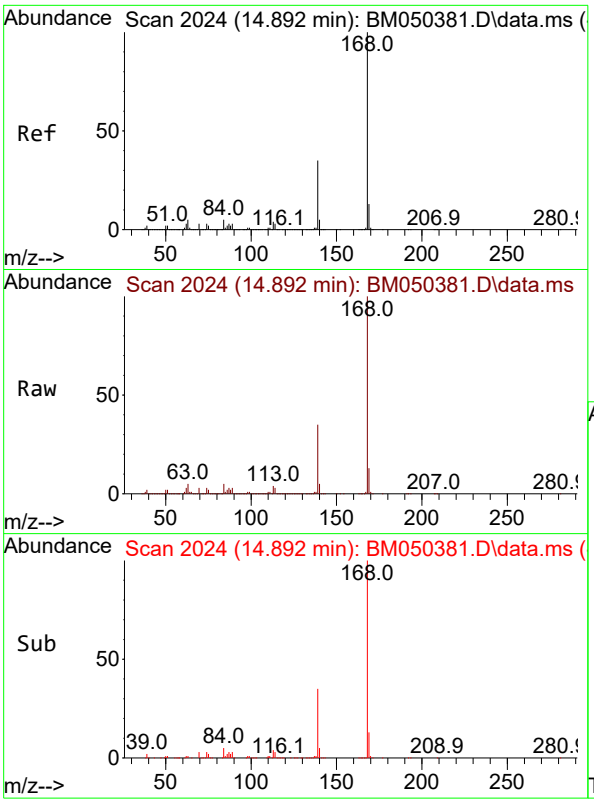



#54
2,4-Dinitrophenol
Concen: 35.873 ng
RT: 14.586 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:184 Resp: 225952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 66.7 | 53.4 | 80.0 |
| 154 | 77.0 | 61.6 | 92.4 |

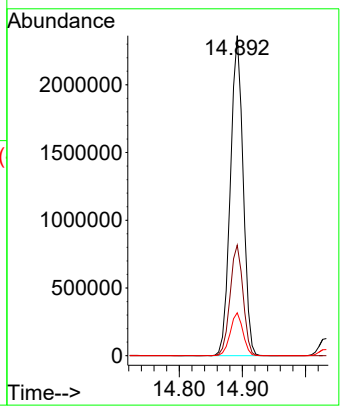





#55
Dibenzofuran
Concen: 39.024 ng
RT: 14.892 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:168 Resp: 330504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 34.6 | 27.7 | 41.5 |
| 169 | 13.4 | 10.7 | 16.1 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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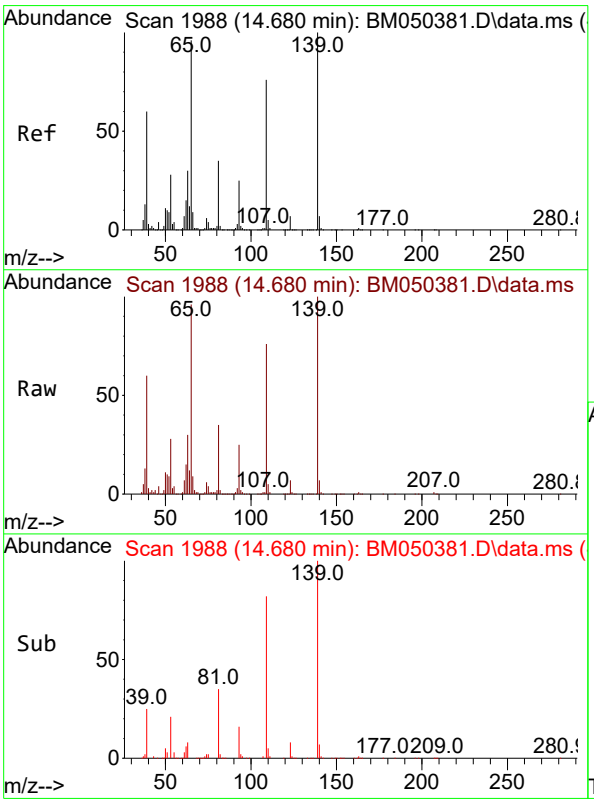
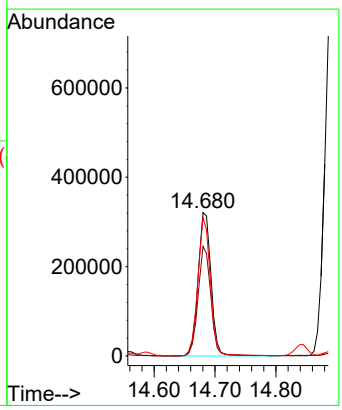
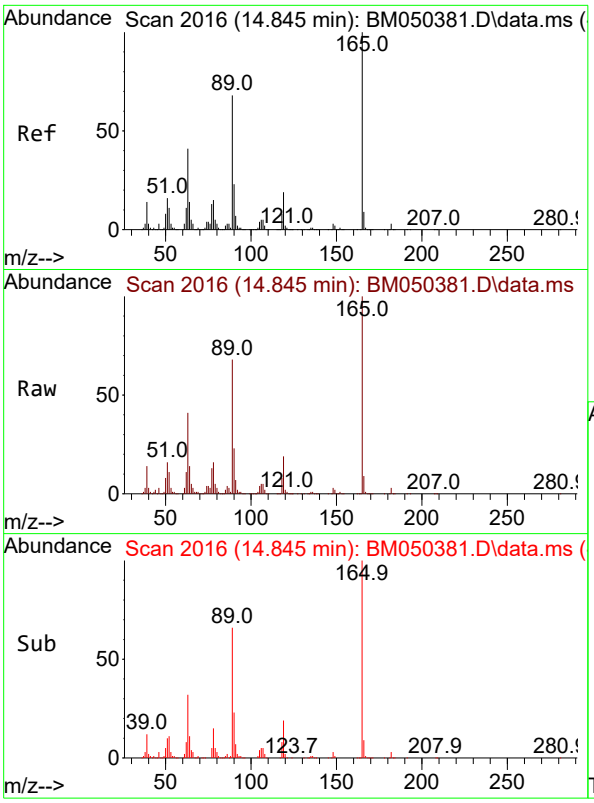



#56
4-Nitrophenol
Concen: 40.504 ng
RT: 14.680 min Scan# 1988
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:139 Resp: 473550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 76.5 | 56.5 | 96.5 |
| 65 | 96.4 | 76.4 | 116.4 |

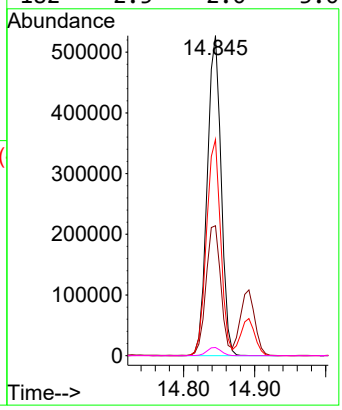





#57
2,4-Dinitrotoluene
Concen: 38.104 ng
RT: 14.845 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:165 Resp: 71780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 40.6 | 32.5 | 48.7 |
| 89 | 67.5 | 54.0 | 81.0 |
| 182 | 2.5 | 2.0 | 3.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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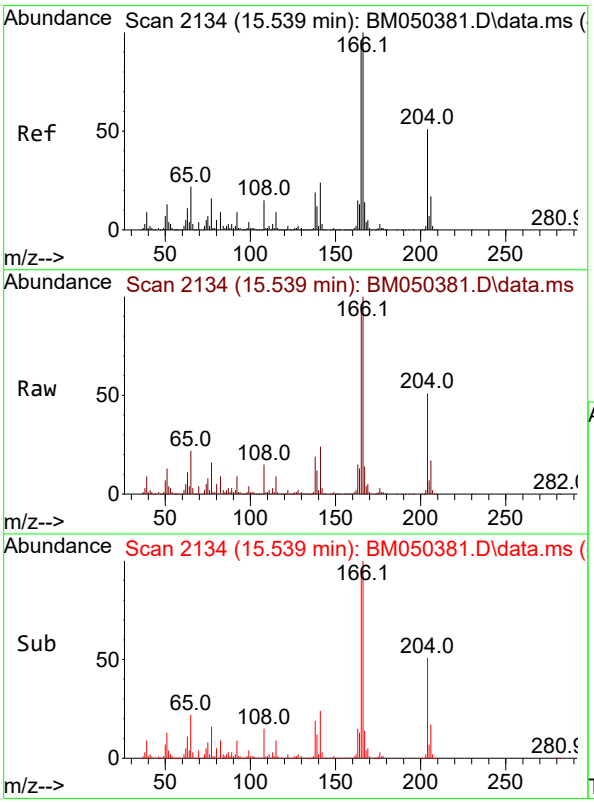
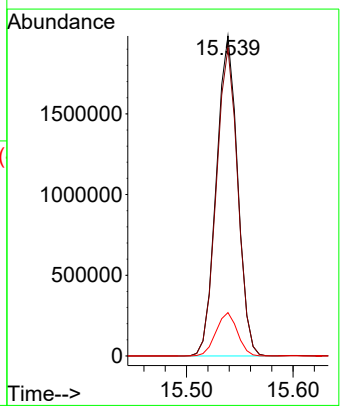
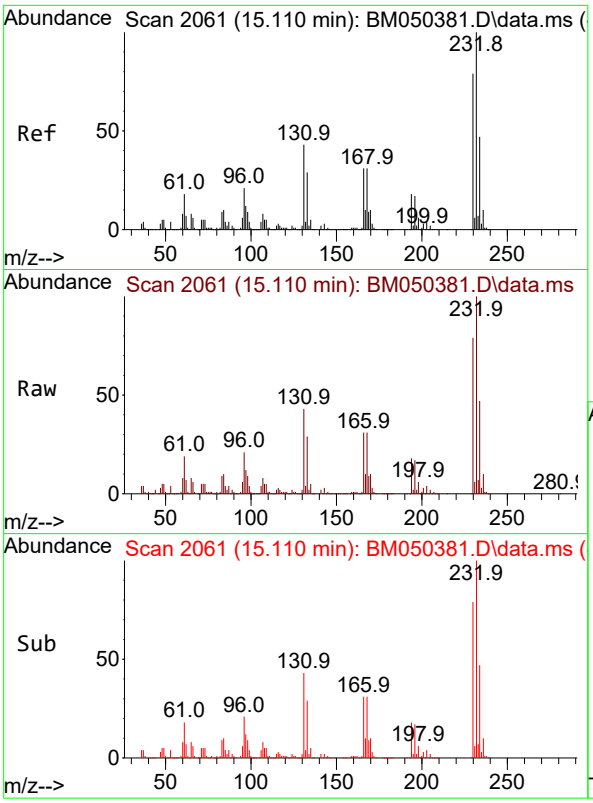



#58
Fluorene
Concen: 39.349 ng
RT: 15.539 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:166 Resp: 2744882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.3 | 77.0 | 115.6 |
| 167 | 13.6 | 10.9 | 16.3 |

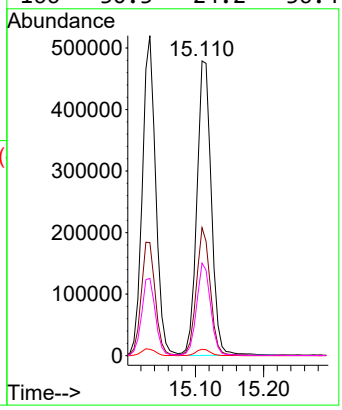





#59
2,3,4,6-Tetrachlorophenol
Concen: 40.512 ng
RT: 15.110 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:232 Resp: 70504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 41.7 | 33.4 | 50.0 |
| 130 | 2.2 | 1.8 | 2.6 |
| 166 | 30.3 | 24.2 | 36.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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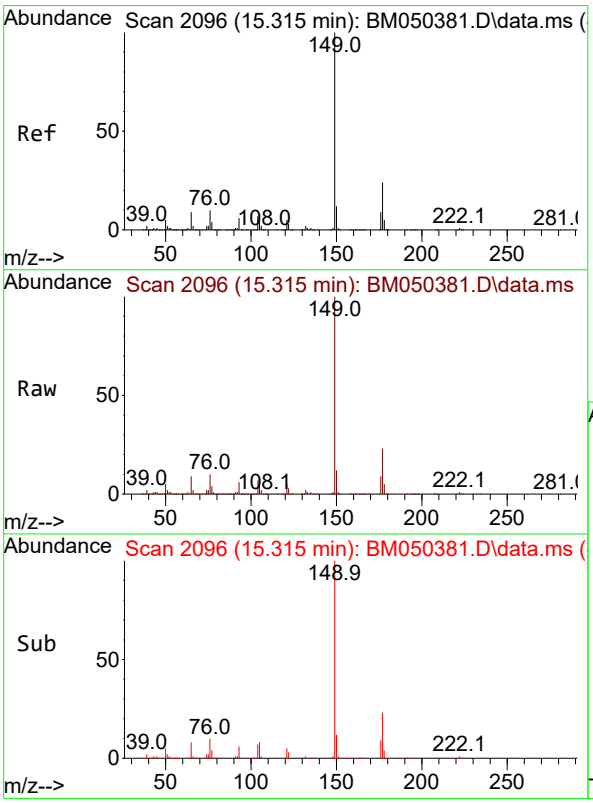
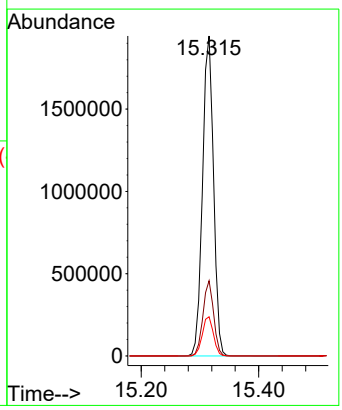
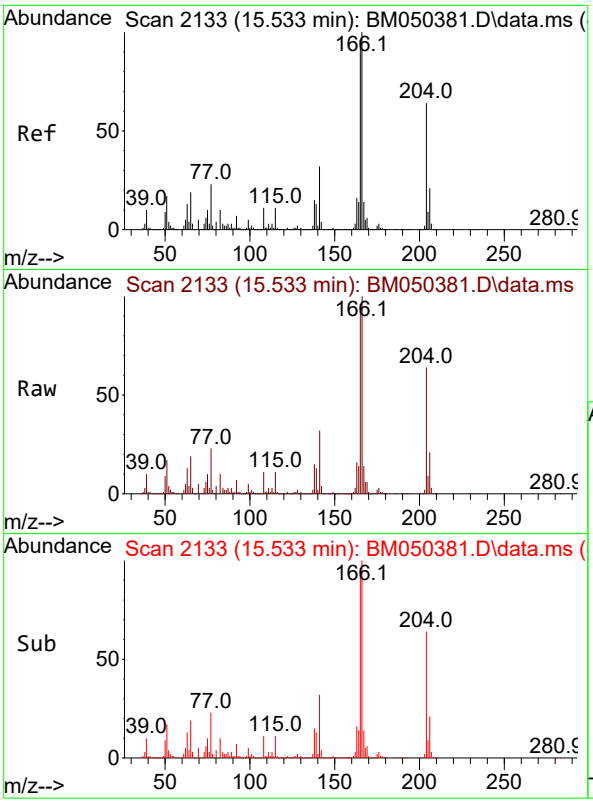



#60
Diethylphthalate
Concen: 39.811 ng
RT: 15.315 min Scan# 2096
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:149 Resp: 2532007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 23.5 | 18.8 | 28.2 |
| 150 | 12.3 | 9.8 | 14.8 |

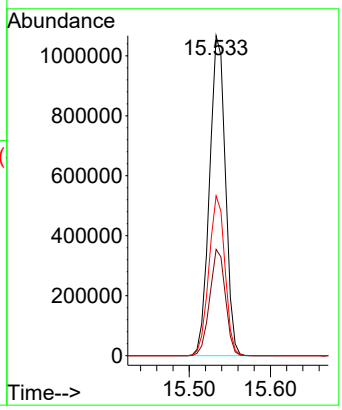





#61
4-Chlorophenyl-phenylether
Concen: 39.586 ng
RT: 15.533 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:204 Resp: 144393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.2 | 26.6 | 39.8 |
| 141 | 49.9 | 39.9 | 59.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations**
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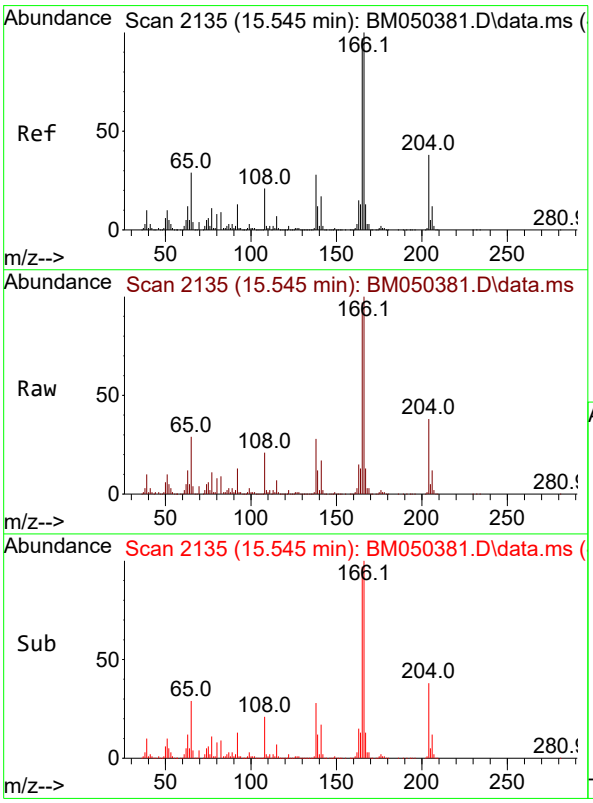
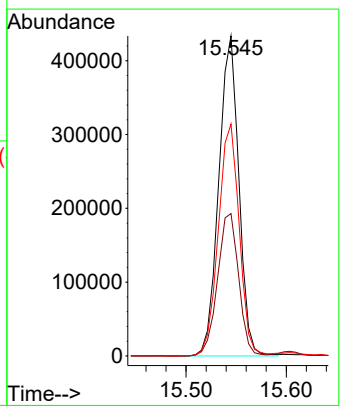
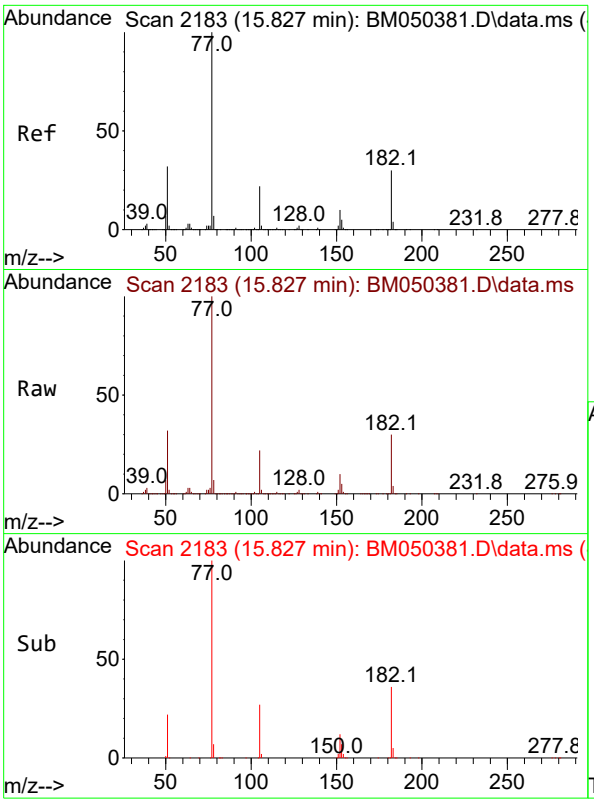



#62
4-Nitroaniline
Concen: 39.043 ng
RT: 15.545 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:138 Resp: 602257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 44.5 | 24.5 | 64.5 |
| 108 | 72.5 | 52.5 | 92.5 |

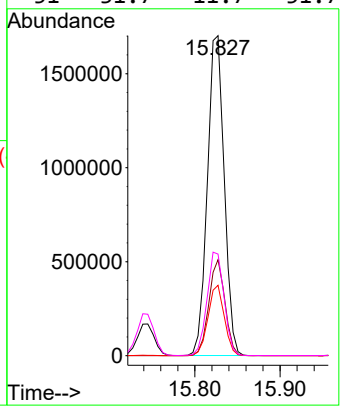





#63
Azobenzene
Concen: 40.021 ng
RT: 15.827 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion: 77 Resp: 233729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 30.0 | 10.0 | 50.0 |
| 105 | 22.0 | 2.0 | 42.0 |
| 51 | 31.7 | 11.7 | 51.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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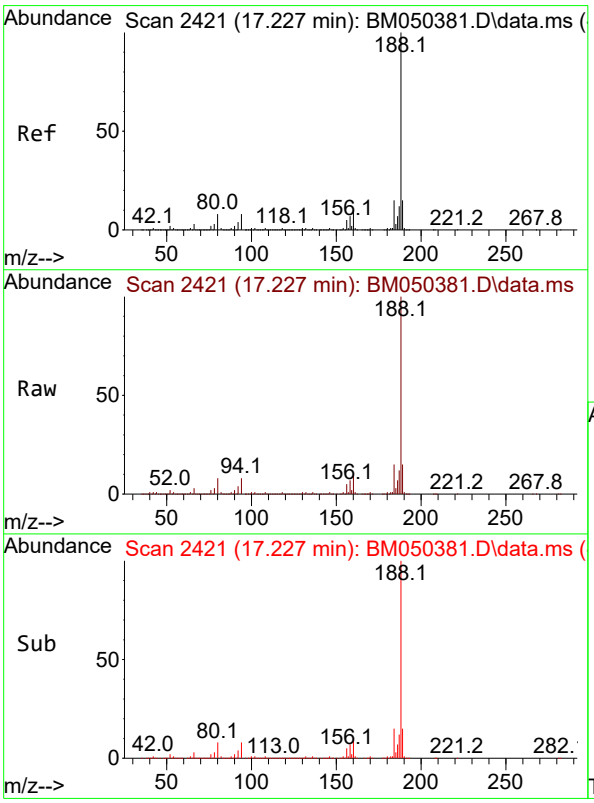
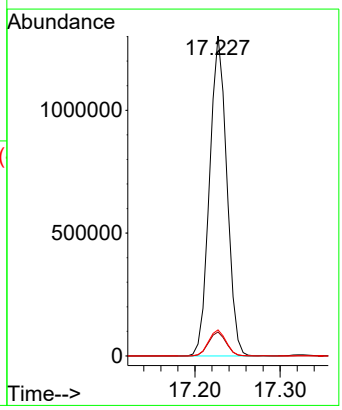
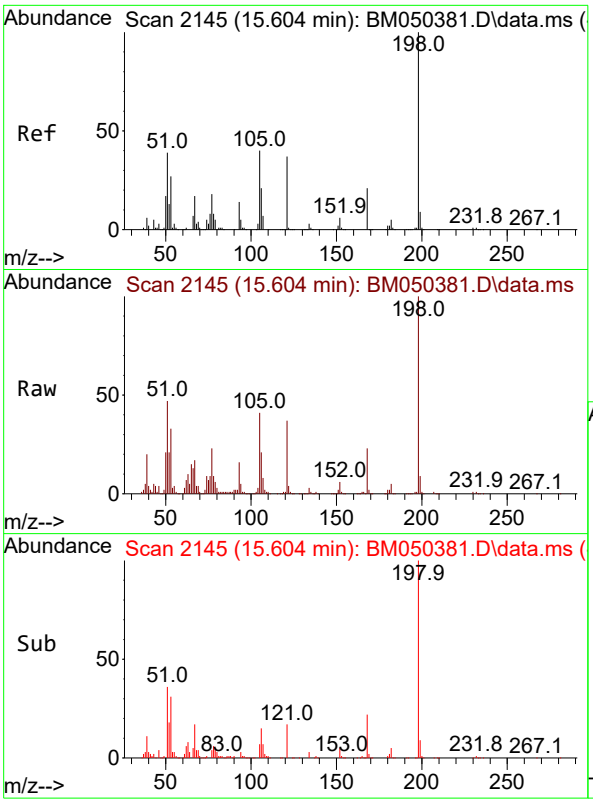



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2421
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:188 Resp: 1834050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.5 | 6.0 | 9.0 |
| 80 | 8.1 | 6.5 | 9.7 |






#65
4,6-Dinitro-2-methylphenol
Concen: 36.538 ng
RT: 15.604 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:198 Resp: 34324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 46.6 | 26.6 | 66.6 |
| 105 | 40.9 | 20.9 | 60.9 |

**Instrument :**
BNA_M
**ClientSampleId :**
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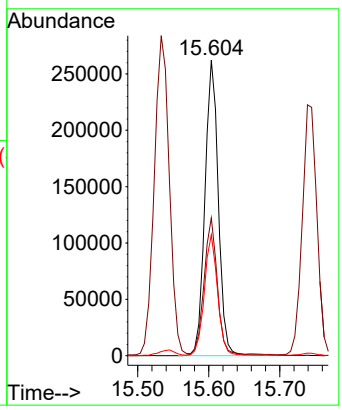
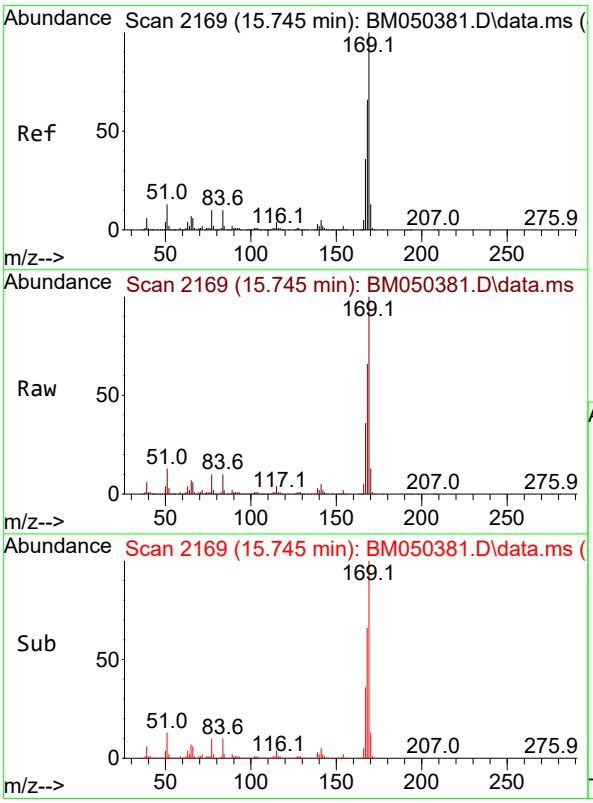
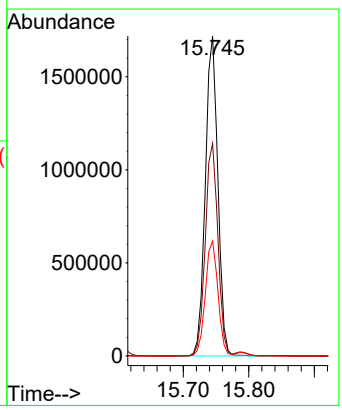


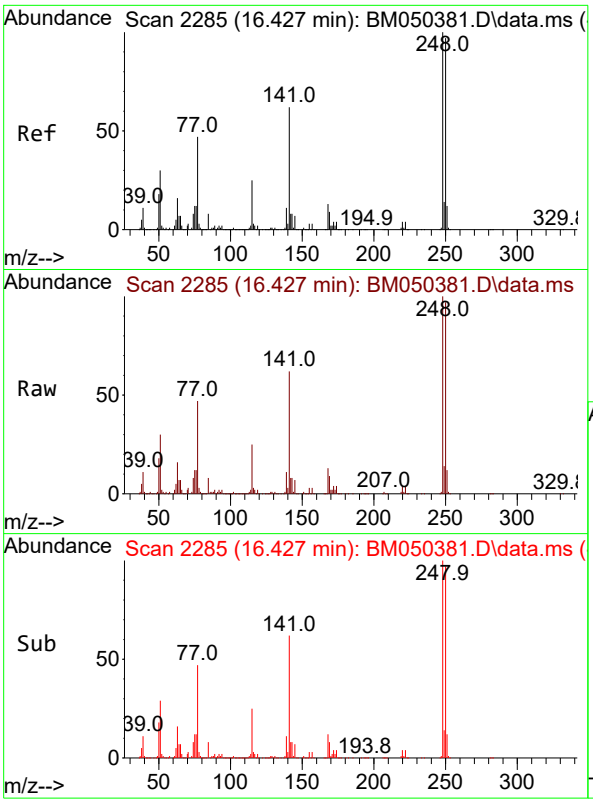




#66
n-Nitrosodiphenylamine
Concen: 39.809 ng
RT: 15.745 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:169 Resp: 2284645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.5 | 53.2 | 79.8 |
| 167 | 35.9 | 28.7 | 43.1 |

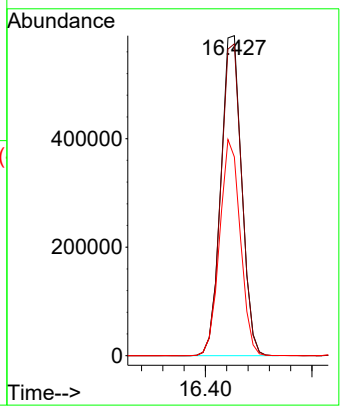





#67
4-Bromophenyl-phenylether
Concen: 39.504 ng
RT: 16.427 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:248 Resp: 79825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.4 | 77.9 | 116.9 |
| 141 | 62.1 | 49.7 | 74.5 |




**Instrument :**
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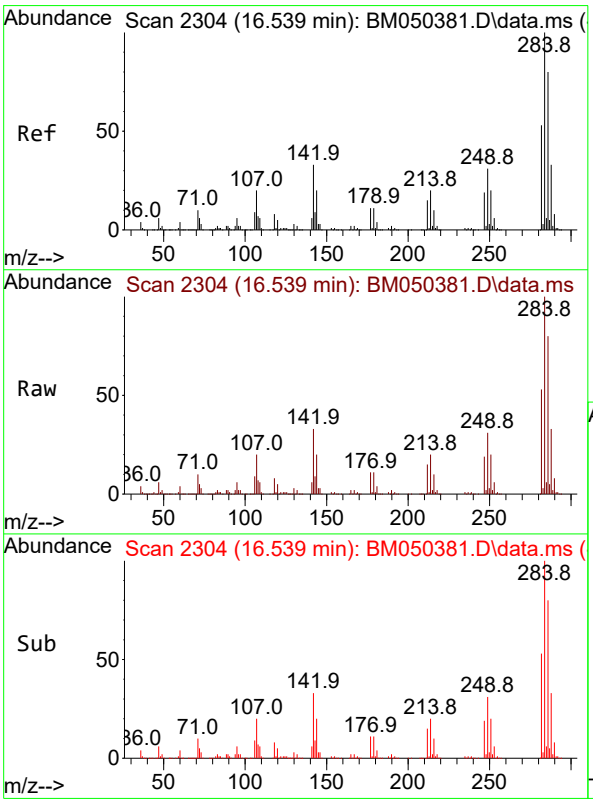
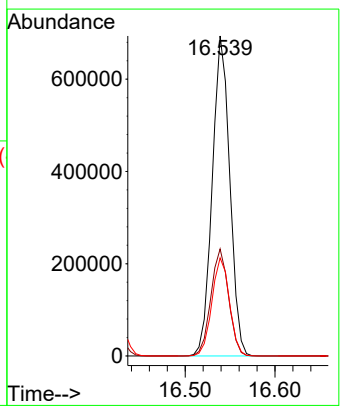
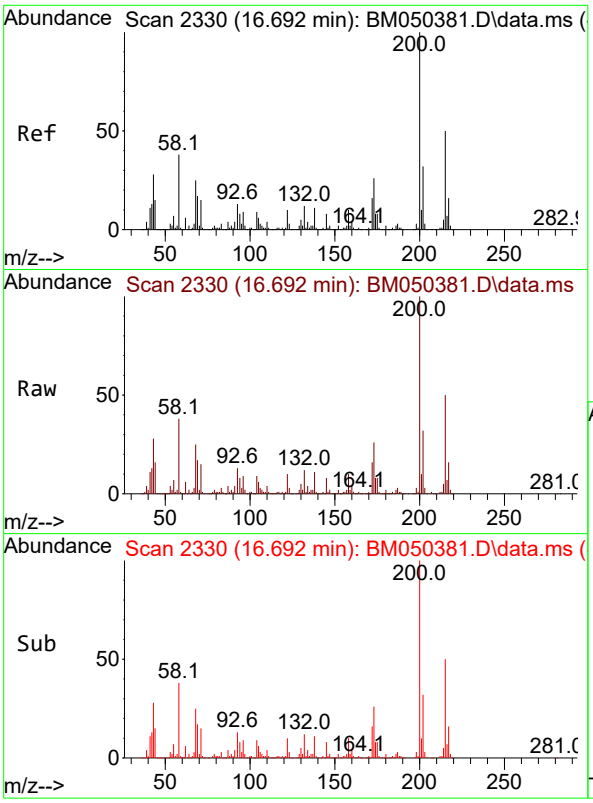



#68
Hexachlorobenzene
Concen: 39.414 ng
RT: 16.539 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:284 Resp: 940659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 33.5 | 26.8 | 40.2 |
| 249 | 30.6 | 24.5 | 36.7 |

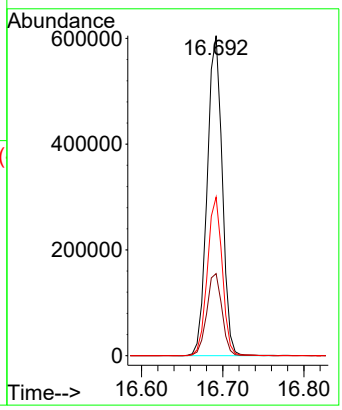





#69
Atrazine
Concen: 41.139 ng
RT: 16.692 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:200 Resp: 77527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.6 | 5.6 | 45.6 |
| 215 | 49.6 | 29.6 | 69.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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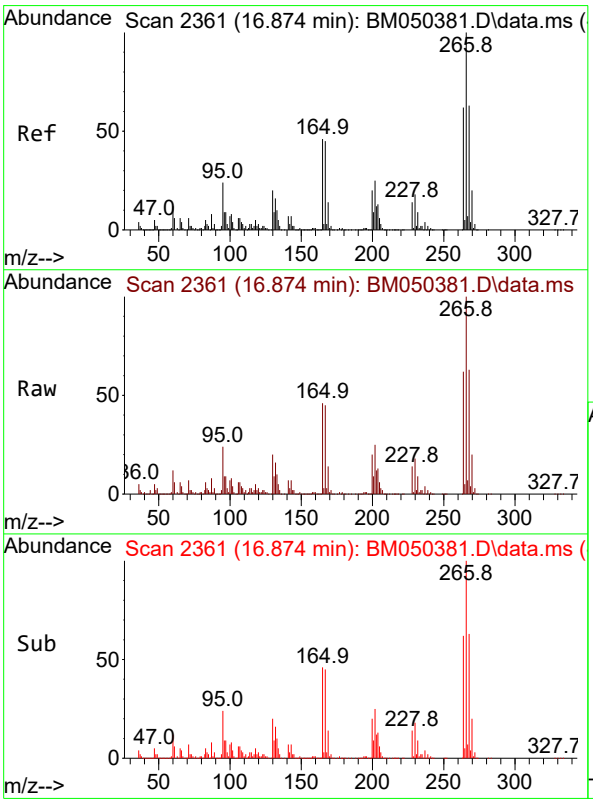
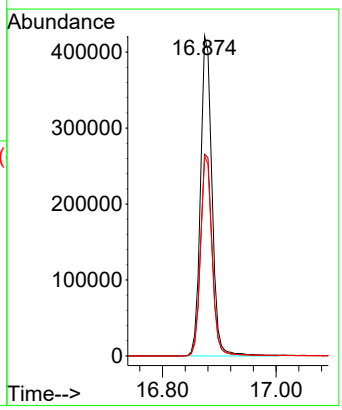
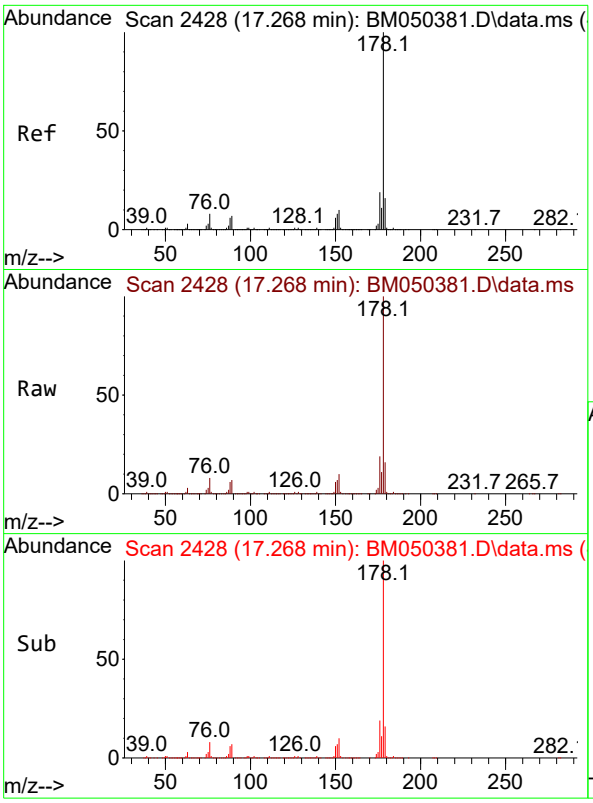



#70
Pentachlorophenol
Concen: 39.717 ng
RT: 16.874 min Scan# 2361
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:266 Resp: 590077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.1 | 50.5 | 75.7 |
| 264 | 62.4 | 49.9 | 74.9 |

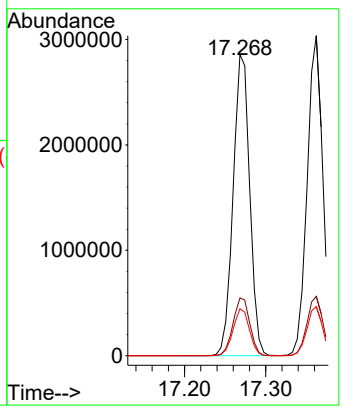





#71
Phenanthrene
Concen: 38.923 ng
RT: 17.268 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:178 Resp: 403945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.4 | 23.0 |
| 179 | 15.6 | 12.5 | 18.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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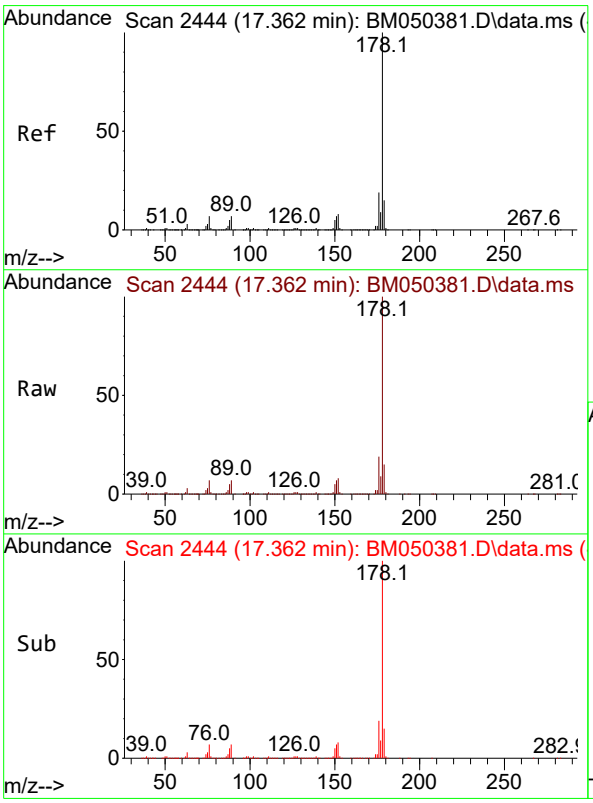
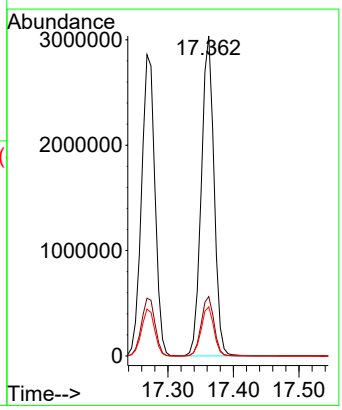
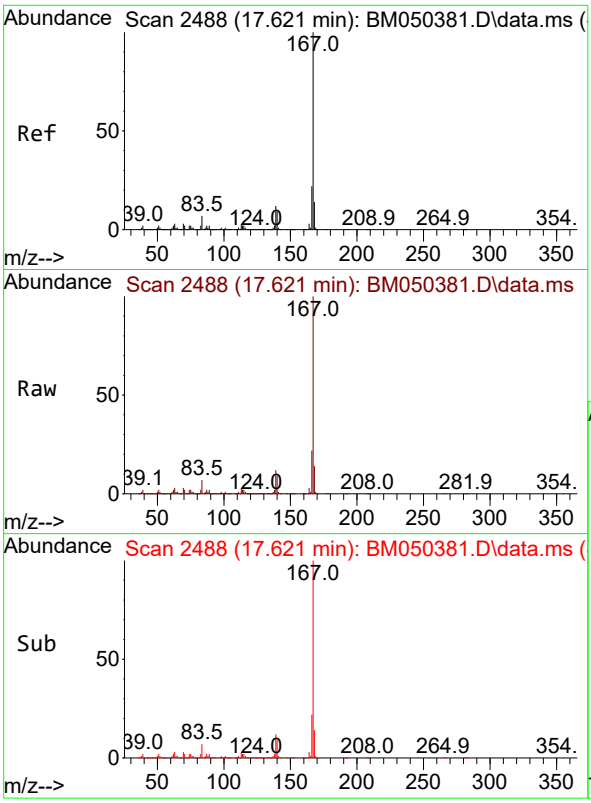



#72
Anthracene
Concen: 39.646 ng
RT: 17.362 min Scan# 2444
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:178 Resp: 4095570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 14.9 | 22.3 |
| 179 | 15.3 | 12.2 | 18.4 |

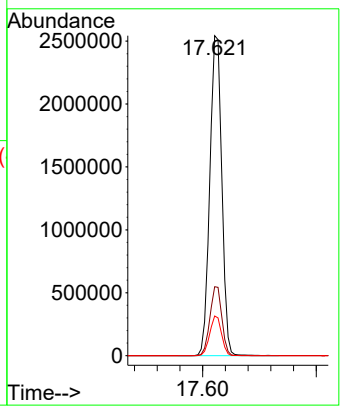





#73
Carbazole
Concen: 39.632 ng
RT: 17.621 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:167 Resp: 370443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.5 | 17.2 | 25.8 |
| 139 | 12.4 | 9.9 | 14.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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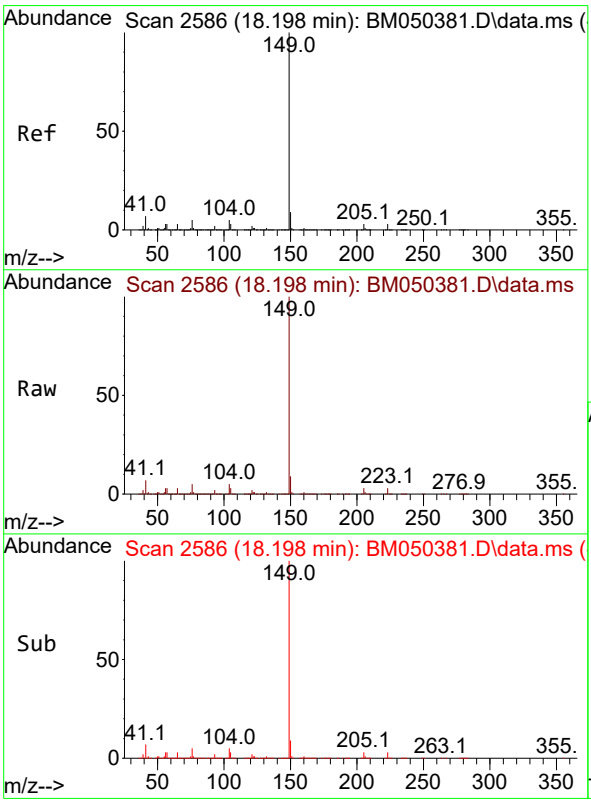
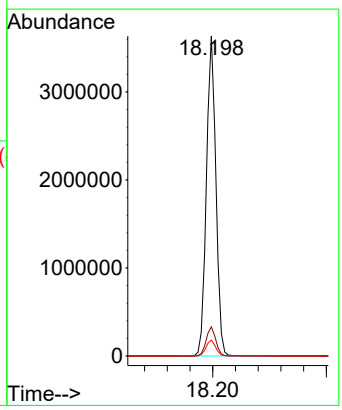
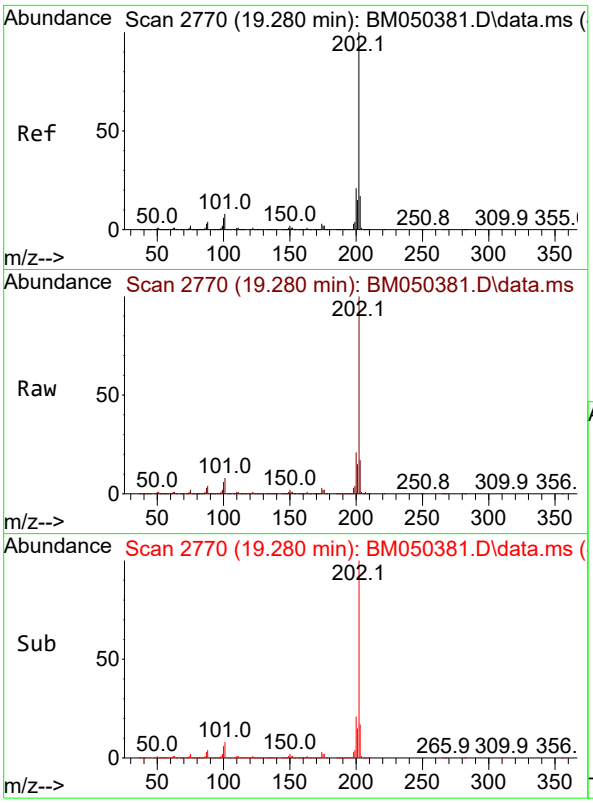



#74
Di-n-butylphthalate
Concen: 40.890 ng
RT: 18.198 min Scan# 2586
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:149 Resp: 4183360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.3 | 10.9 |
| 104 | 4.9 | 3.9 | 5.9 |

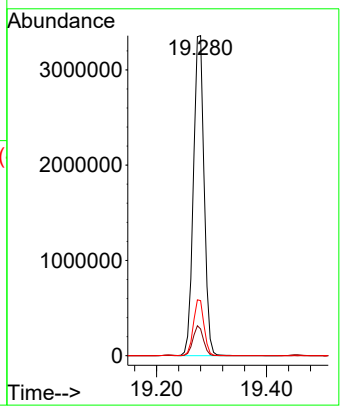





#75
Fluoranthene
Concen: 40.085 ng
RT: 19.280 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:202 Resp: 452240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.3 | 0.0 | 28.3 |
| 203 | 17.2 | 0.0 | 37.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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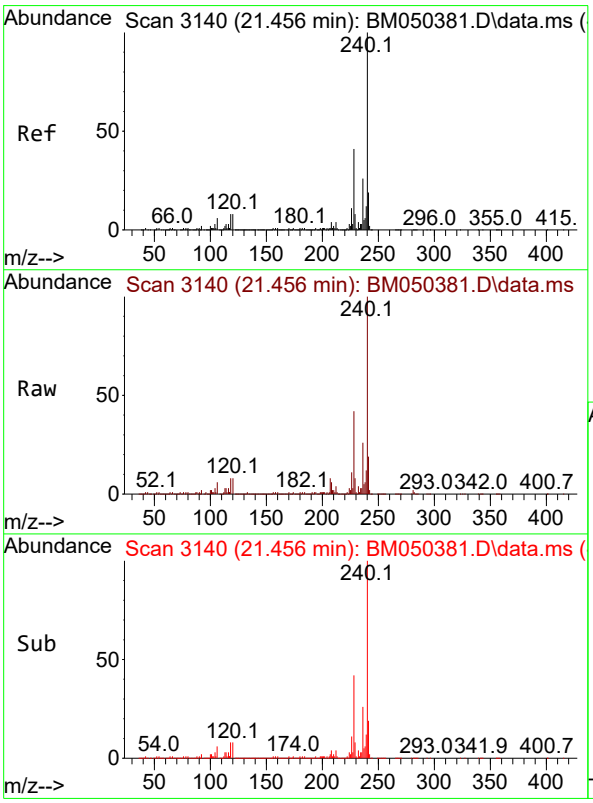
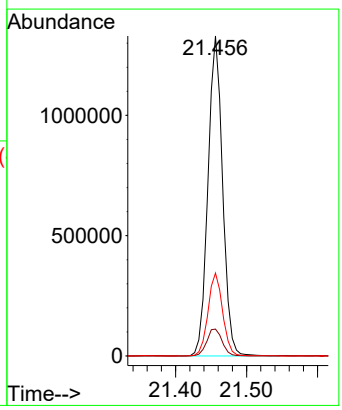
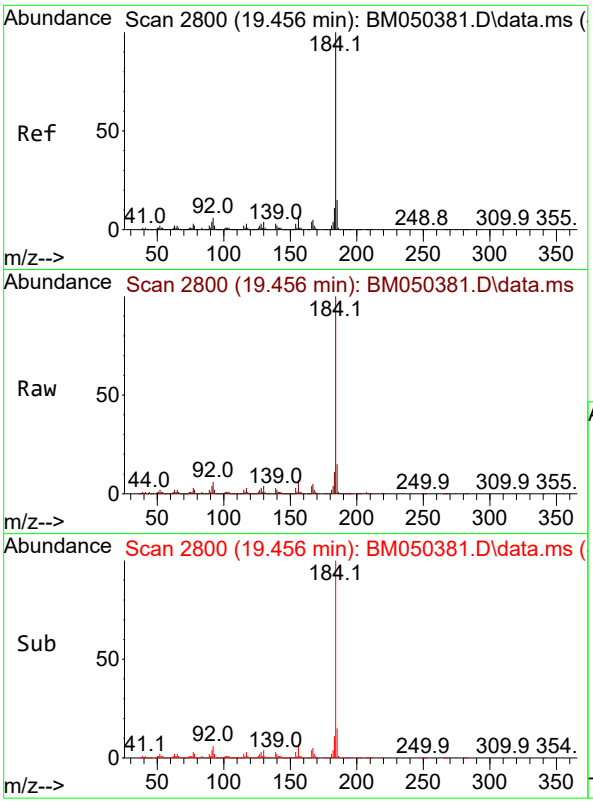



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.456 min Scan# 3140
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:240 Resp: 1904004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.4 | 6.7 | 10.1 |
| 236 | 25.9 | 20.7 | 31.1 |

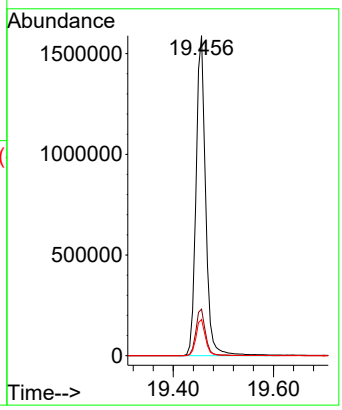





#77
Benzidine
Concen: 43.341 ng
RT: 19.456 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:184 Resp: 210480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.6 | 11.7 | 17.5 |
| 183 | 11.3 | 9.0 | 13.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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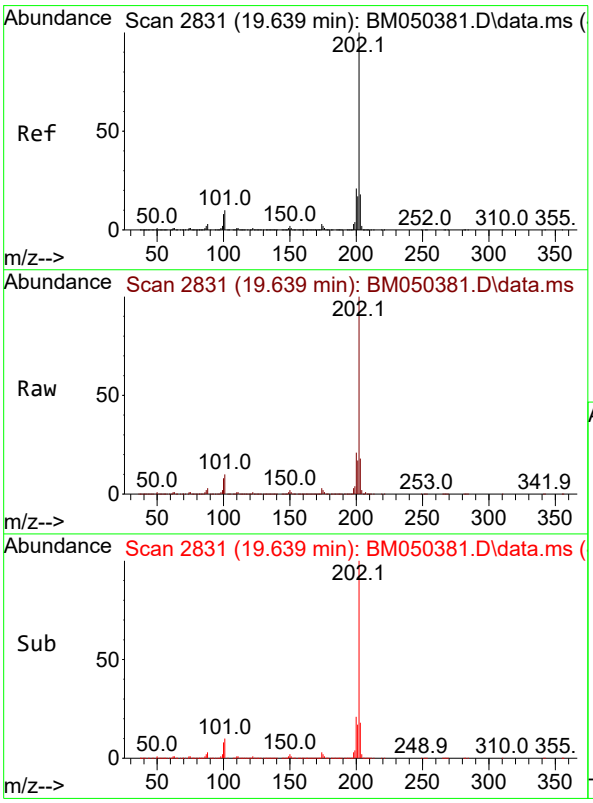
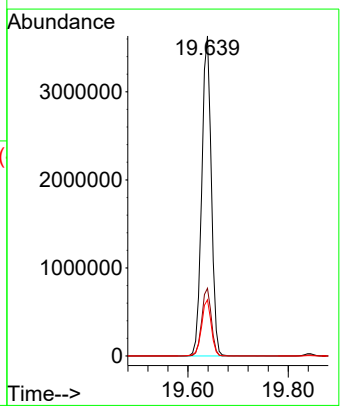
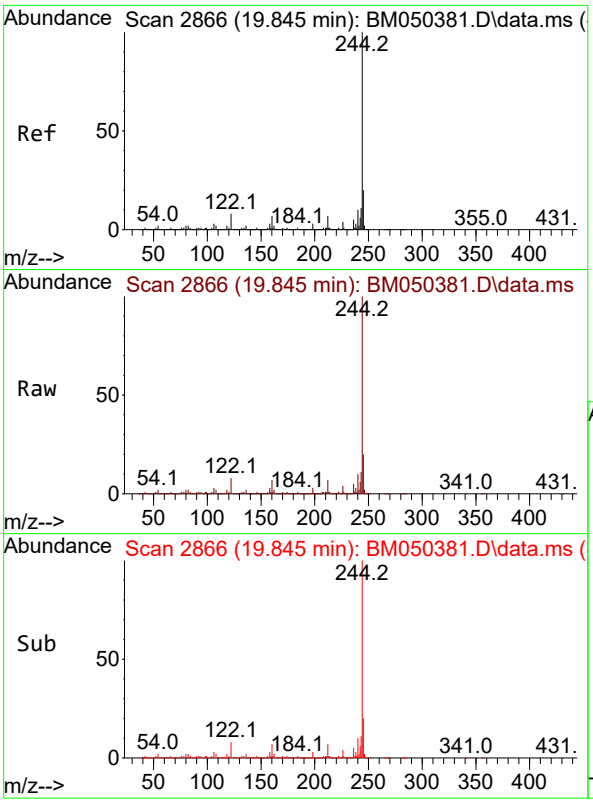



#78
Pyrene
Concen: 39.352 ng
RT: 19.639 min Scan# 2831
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:202 Resp: 4798678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 16.9 | 25.3 |
| 203 | 17.6 | 14.1 | 21.1 |

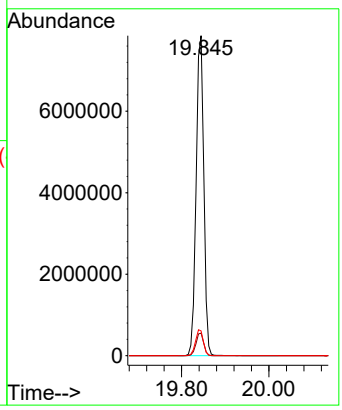





#79
Terphenyl-d14
Concen: 88.568 ng
RT: 19.845 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:244 Resp: 958437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.7 | 8.5 |
| 122 | 7.7 | 6.2 | 9.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

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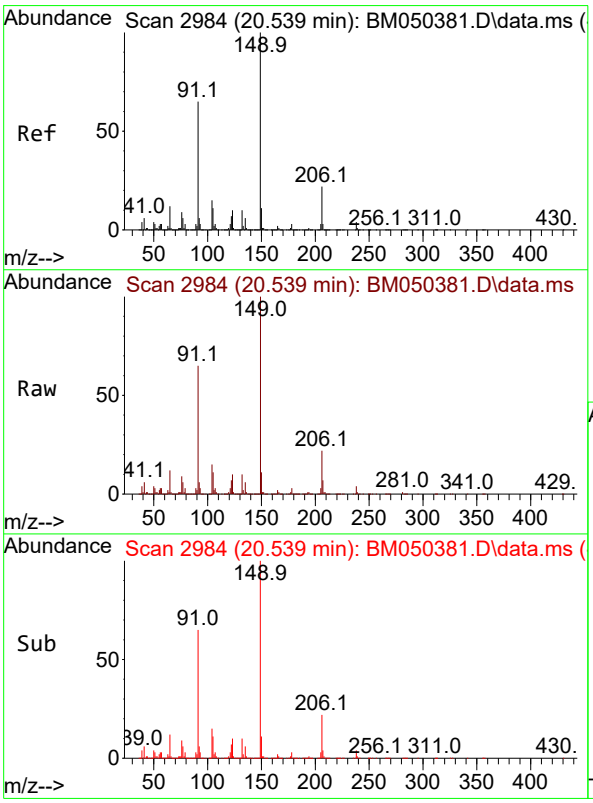
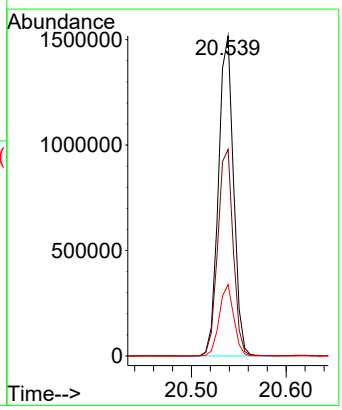
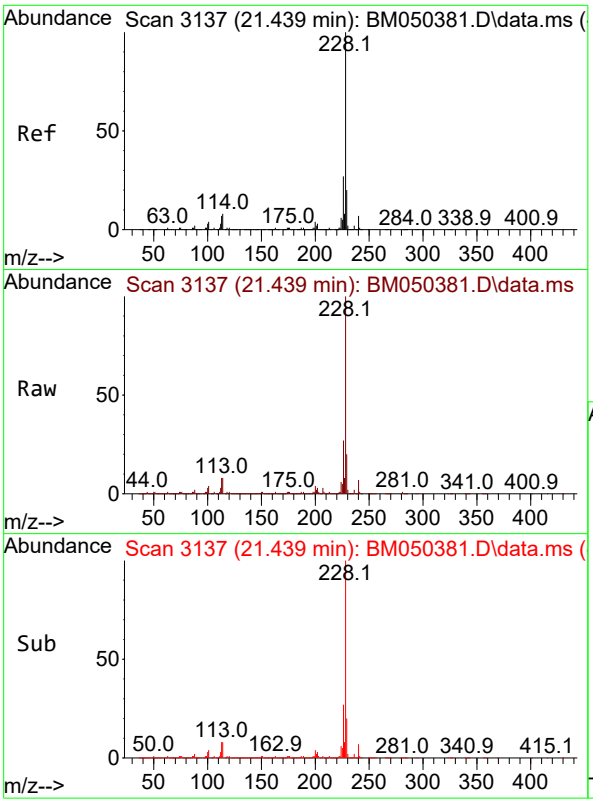



#80
Butylbenzylphthalate
Concen: 41.731 ng
RT: 20.539 min Scan# 2984
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:149 Resp: 1677924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 64.5 | 51.6 | 77.4 |
| 206 | 22.3 | 17.8 | 26.8 |

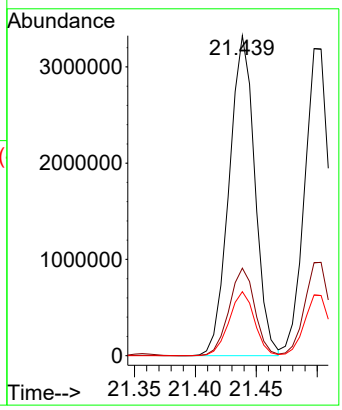





#81
Benzo(a)anthracene
Concen: 39.344 ng
RT: 21.439 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:228 Resp: 488094

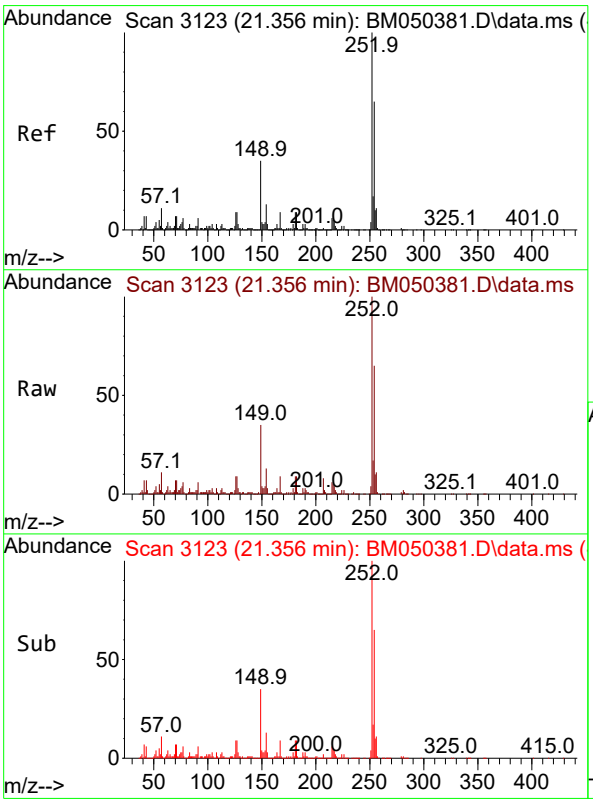
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.3 | 21.8 | 32.8 |
| 229 | 20.0 | 16.0 | 24.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

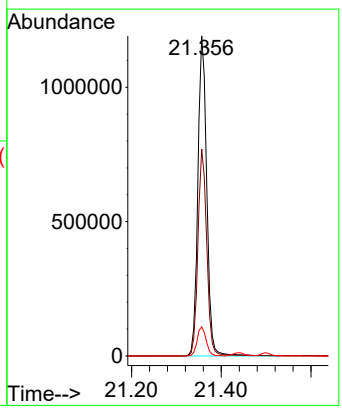
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

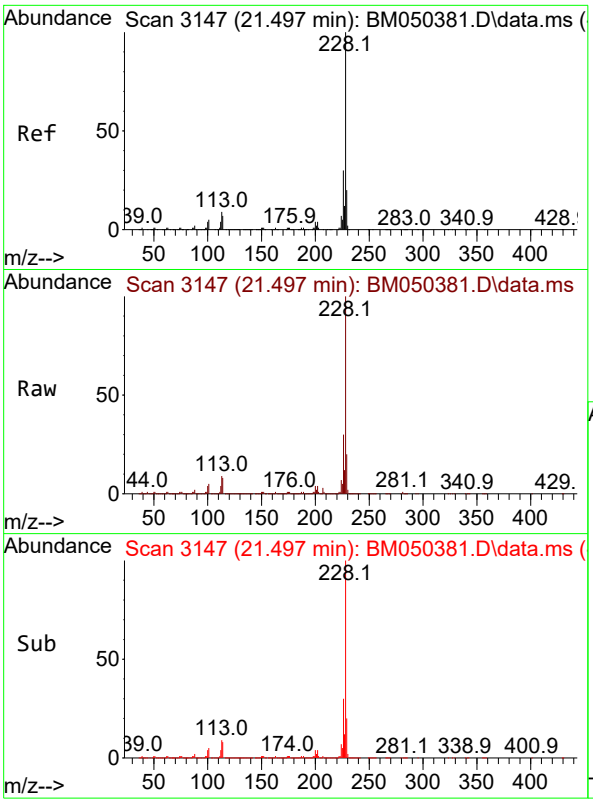



#82
3,3'-Dichlorobenzidine
Concen: 39.036 ng
RT: 21.356 min Scan# 3123
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:252 Resp: 1633134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.6 | 51.7 | 77.5 |
| 126 | 9.1 | 7.3 | 10.9 |

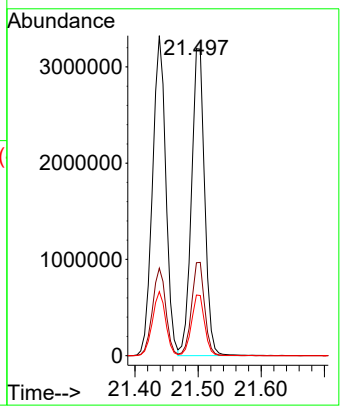





#83
Chrysene
Concen: 39.351 ng
RT: 21.497 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:228 Resp: 460468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 24.2 | 36.4 |
| 229 | 19.7 | 15.8 | 23.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 07/09/2025
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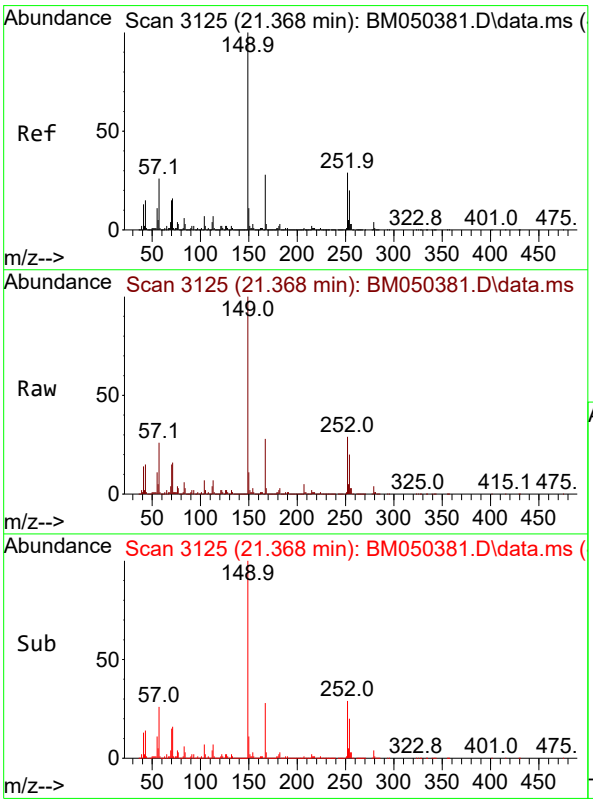
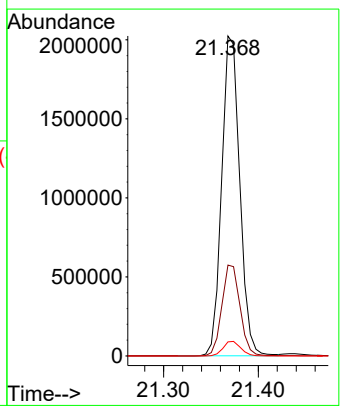
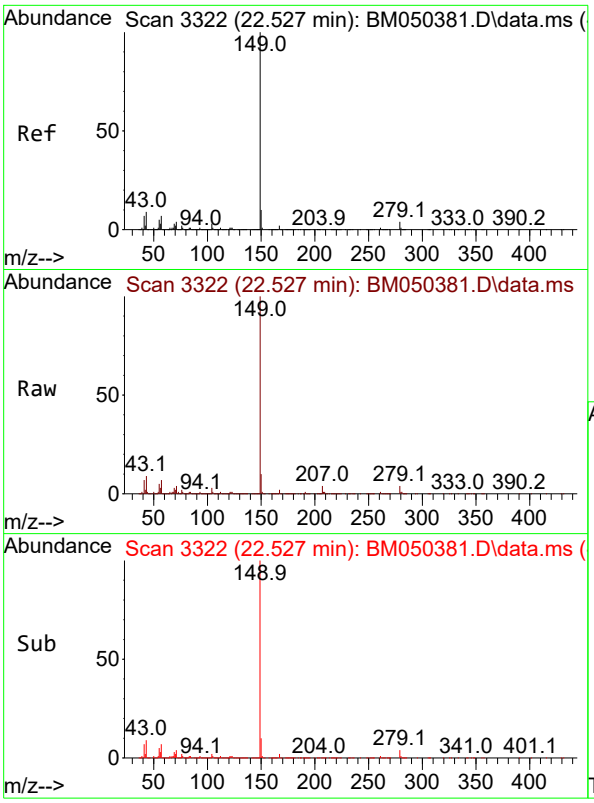



#84
Bis(2-ethylhexyl)phthalate
Concen: 42.076 ng
RT: 21.368 min Scan# 3125
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:149 Resp: 2685699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.4 | 22.7 | 34.1 |
| 279 | 4.4 | 3.5 | 5.3 |

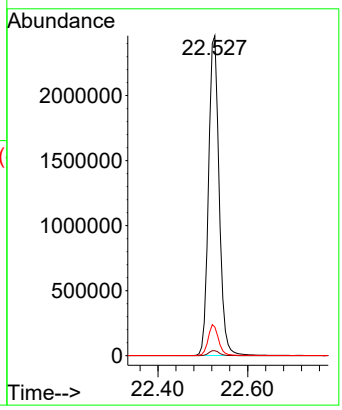





#85
Di-n-octyl phthalate
Concen: 40.294 ng
RT: 22.527 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:149 Resp: 402819

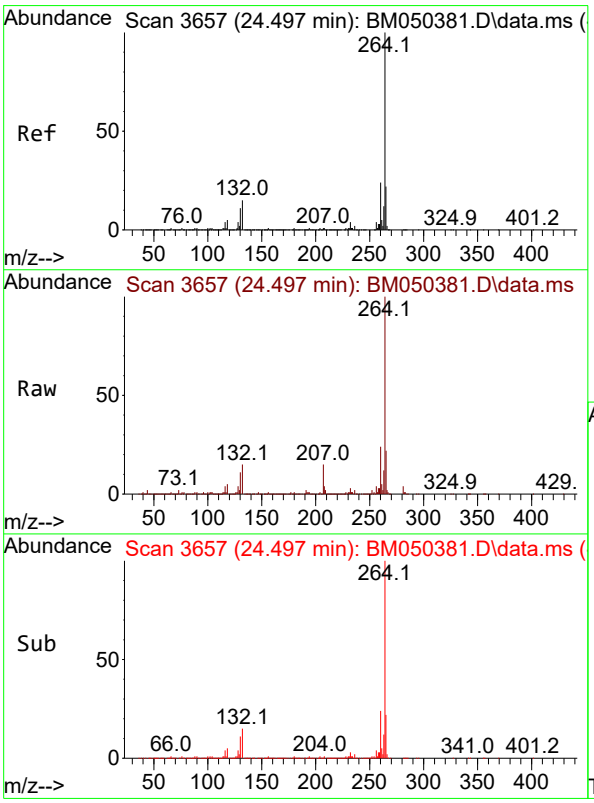
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.6 | 7.7 | 11.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

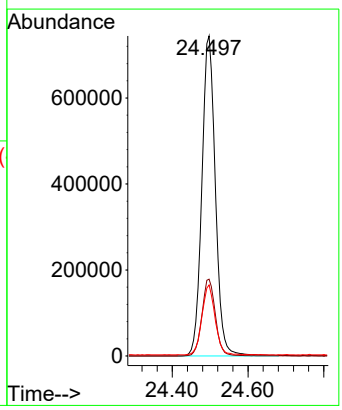
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

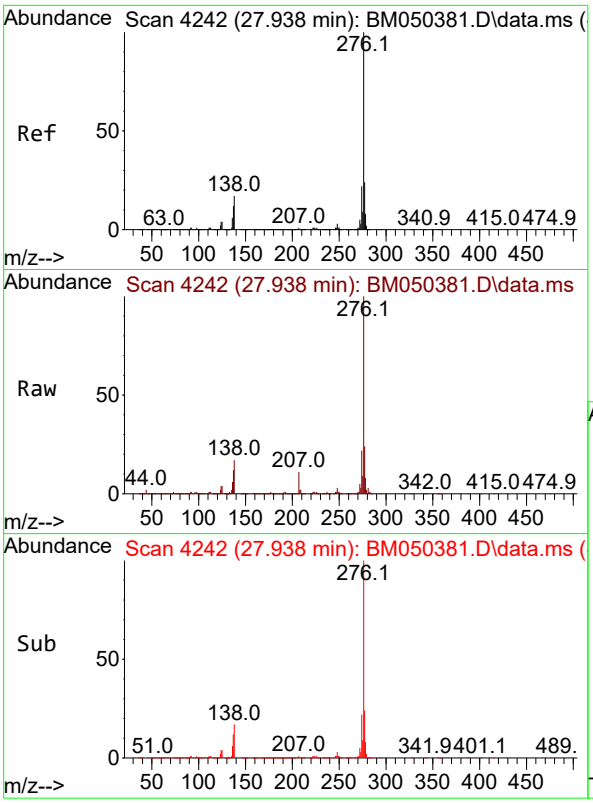



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.497 min Scan# 3657
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:264 Resp: 1842285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.0 | 19.2 | 28.8 |
| 265 | 22.2 | 17.8 | 26.6 |

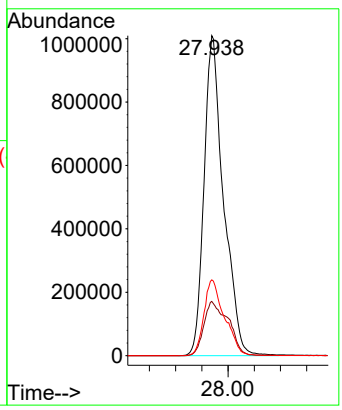





#87
Indeno(1,2,3-cd)pyrene
Concen: 39.813 ng
RT: 27.938 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

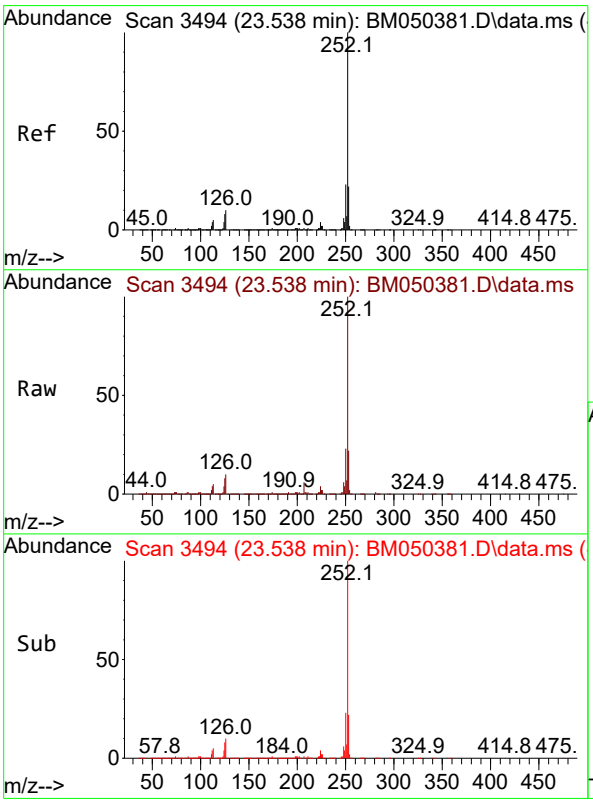
Tgt Ion:276 Resp: 521493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.3 | 17.0 | 25.6 |
| 277 | 25.0 | 20.0 | 30.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

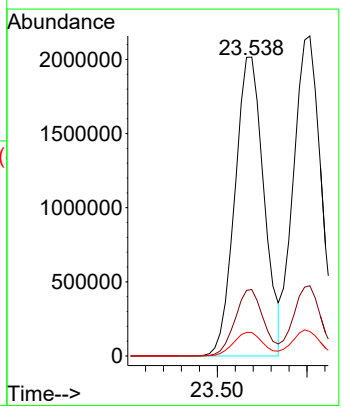
**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

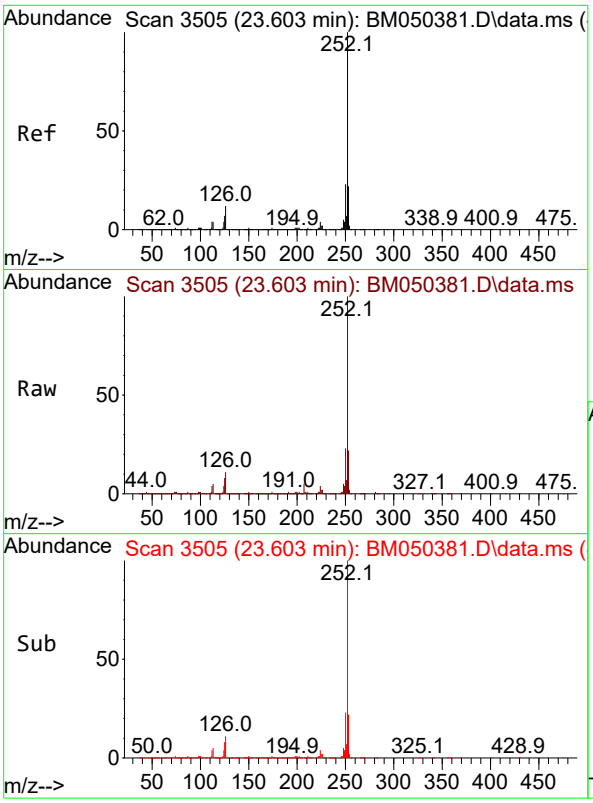



#88
Benzo(b)fluoranthene
Concen: 39.990 ng
RT: 23.538 min Scan# 3494
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:252 Resp: 4531635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.8 | 26.6 |
| 125 | 7.9 | 6.3 | 9.5 |

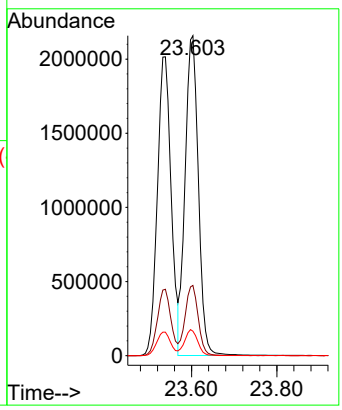





#89
Benzo(k)fluoranthene
Concen: 39.586 ng
RT: 23.603 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

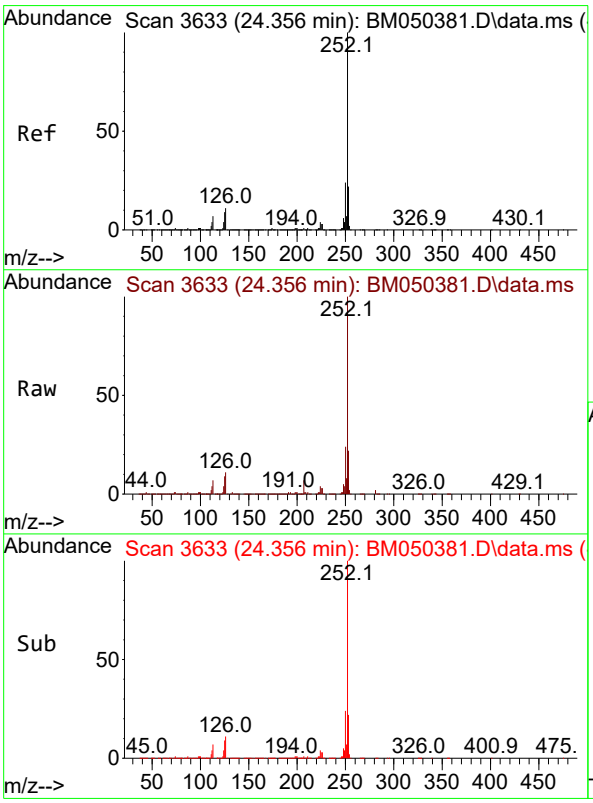
Tgt Ion:252 Resp: 465463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.6 | 26.4 |
| 125 | 7.7 | 6.2 | 9.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

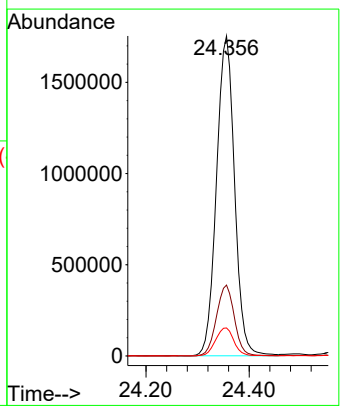
**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

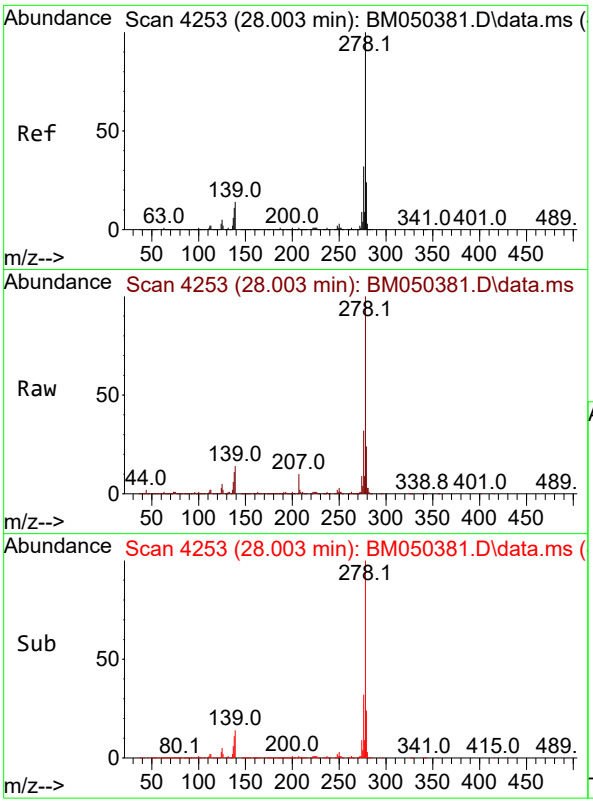



#90
Benzo(a)pyrene
Concen: 40.157 ng
RT: 24.356 min Scan# 3633
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:252 Resp: 4259750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.8 | 26.6 |
| 125 | 8.7 | 7.0 | 10.4 |

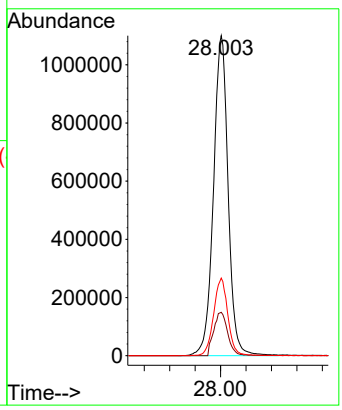





#91
Dibenzo(a,h)anthracene
Concen: 39.857 ng
RT: 28.003 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

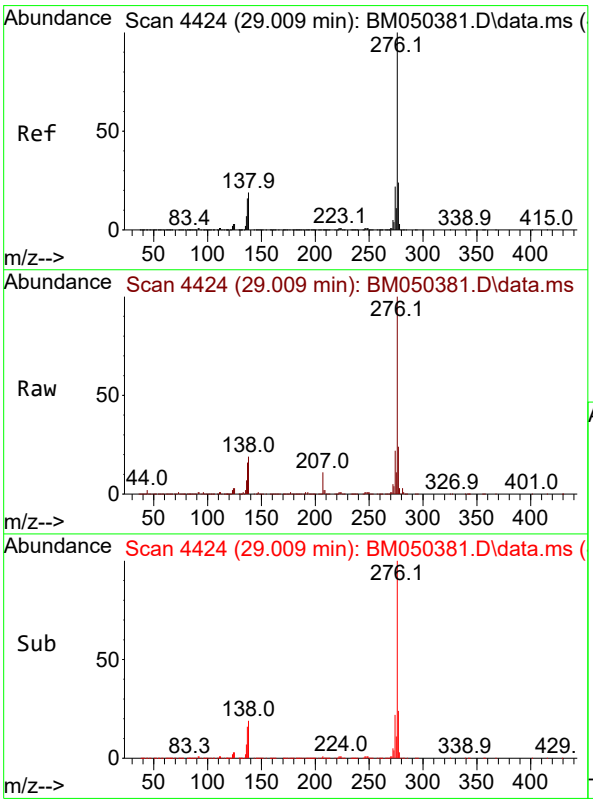
Tgt Ion:278 Resp: 439674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.5 | 10.8 | 16.2 |
| 279 | 24.2 | 19.4 | 29.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

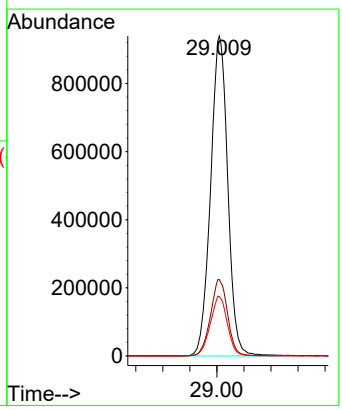
**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025




#92
Benzo(g,h,i)perylene
Concen: 39.626 ng
RT: 29.009 min Scan# 4424
Delta R.T. 0.000 min
Lab File: BM050381.D
Acq: 08 Jul 2025 15:20

Tgt Ion:276 Resp: 4131353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.9 | 19.1 | 28.7 |
| 138 | 18.6 | 14.9 | 22.3 |



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050382.D
Acq On : 08 Jul 2025 16:01
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 08 18:23:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.863 | 152 | 355414 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.663 | 136 | 1368622 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.492 | 164 | 874077 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.227 | 188 | 1680679 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.456 | 240 | 1747476 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.497 | 264 | 1657543 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.434 | 112 | 2235397 | 108.263 | ng | | 0.00 |
| 7) Phenol-d6 | 7.022 | 99 | 2855911 | 109.721 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.022 | 82 | 2937689 | 109.508 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.974 | 330 | 1246384 | 117.361 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.122 | 172 | 7659625 | 108.218 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.839 | 244 | 11336982 | 114.147 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.334 | 88 | 445164 | 52.431 | ng | | 99 |
| 3) Pyridine | 3.734 | 79 | 1187050 | 53.254 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.640 | 42 | 550809 | 53.005 | ng | | 100 |
| 6) Aniline | 7.187 | 93 | 1814285 | 54.314 | ng | | 99 |
| 8) 2-Chlorophenol | 7.428 | 128 | 1191374 | 54.720 | ng | | 100 |
| 9) Benzaldehyde | 6.998 | 77 | 743485m | 48.013 | ng | | |
| 10) Phenol | 7.051 | 94 | 1479916 | 54.513 | ng | | 100 |
| 11) bis(2-Chloroethyl)ether | 7.287 | 93 | 1176258 | 54.102 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.757 | 146 | 1403509 | 53.015 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.904 | 146 | 1430908 | 52.933 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.216 | 146 | 1369382 | 52.912 | ng | | 99 |
| 15) Benzyl Alcohol | 8.098 | 79 | 1000035 | 54.529 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.398 | 45 | 1694093 | 52.899 | ng | | 99 |
| 17) 2-Methylphenol | 8.298 | 107 | 967335 | 54.938 | ng | | 98 |
| 18) Hexachloroethane | 8.951 | 117 | 510428 | 53.689 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 8.675 | 70 | 892537 | 56.604 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.628 | 107 | 1295330 | 54.800 | ng | | 98 |
| 22) Acetophenone | 8.687 | 105 | 1828595 | 53.438 | ng | # | 97 |
| 24) Nitrobenzene | 9.063 | 77 | 1289779 | 53.879 | ng | | 99 |
| 25) Isophorone | 9.592 | 82 | 2401483 | 55.168 | ng | | 100 |
| 26) 2-Nitrophenol | 9.775 | 139 | 569906 | 58.414 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.834 | 122 | 1124761 | 54.178 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.069 | 93 | 1555003 | 53.910 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.304 | 162 | 1175856 | 55.130 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.528 | 180 | 1359109 | 53.267 | ng | | 99 |
| 31) Naphthalene | 10.716 | 128 | 3662846 | 52.691 | ng | | 100 |
| 32) Benzoic acid | 9.957 | 122 | 666467 | 51.765 | ng | | 99 |
| 33) 4-Chloroaniline | 10.810 | 127 | 1592528 | 54.189 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.010 | 225 | 835314 | 53.639 | ng | | 99 |
| 35) Caprolactam | 11.586 | 113 | 328173 | 56.364 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 11.933 | 107 | 1114543 | 55.959 | ng | | 100 |
| 37) 2-Methylnaphthalene | 12.322 | 142 | 2369763 | 53.990 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.539 | 142 | 2518911 | 54.226 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.692 | 216 | 1528897 | 55.004 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.680 | 237 | 982675 | 55.306 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.927 | 196 | 968128 | 56.583 | ng | | 98 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050382.D
Acq On : 08 Jul 2025 16:01
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 08 18:23:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.992 | 196 | 1058158 | 56.628 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.333 | 154 | 3466190 | 53.449 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.369 | 162 | 2768272 | 53.538 | ng | 100 |
| 48) 2-Nitroaniline | 13.563 | 65 | 682263 | 59.115 | ng | 100 |
| 49) Acenaphthylene | 14.216 | 152 | 4274915 | 54.707 | ng | 100 |
| 50) Dimethylphthalate | 13.951 | 163 | 3290612 | 54.681 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 14.063 | 165 | 672335 | 58.189 | ng | 100 |
| 52) Acenaphthene | 14.557 | 154 | 2689063 | 54.128 | ng | 99 |
| 53) 3-Nitroaniline | 14.386 | 138 | 722162 | 58.770 | ng | 100 |
| 54) 2,4-Dinitrophenol | 14.586 | 184 | 305096 | 50.427 | ng | 98 |
| 55) Dibenzofuran | 14.892 | 168 | 4109027 | 53.680 | ng | 100 |
| 56) 4-Nitrophenol | 14.686 | 139 | 602964 | 57.060 | ng | 96 |
| 57) 2,4-Dinitrotoluene | 14.845 | 165 | 922804 | 53.047 | ng | 98 |
| 58) Fluorene | 15.539 | 166 | 3457484 | 54.837 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.116 | 232 | 885196 | 56.275 | ng | 100 |
| 60) Diethylphthalate | 15.316 | 149 | 3176896 | 55.265 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.533 | 204 | 1834247 | 55.637 | ng | 100 |
| 62) 4-Nitroaniline | 15.545 | 138 | 765716 | 53.869 | ng | 98 |
| 63) Azobenzene | 15.827 | 77 | 2917647 | 55.274 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.604 | 198 | 458700 | 50.395 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 15.745 | 169 | 2847134 | 54.137 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.427 | 248 | 1016241 | 54.881 | ng | 99 |
| 68) Hexachlorobenzene | 16.539 | 284 | 1190183 | 54.420 | ng | 98 |
| 69) Atrazine | 16.692 | 200 | 975743 | 56.502 | ng | 98 |
| 70) Pentachlorophenol | 16.874 | 266 | 762216 | 55.986 | ng | 99 |
| 71) Phenanthrene | 17.268 | 178 | 5068282 | 53.293 | ng | 100 |
| 72) Anthracene | 17.362 | 178 | 5179830 | 54.717 | ng | 100 |
| 73) Carbazole | 17.621 | 167 | 4657232 | 54.372 | ng | 100 |
| 74) Di-n-butylphthalate | 18.198 | 149 | 5258750 | 56.091 | ng | 100 |
| 75) Fluoranthene | 19.274 | 202 | 5737944 | 55.500 | ng | 99 |
| 77) Benzidine | 19.456 | 184 | 2626171 | 58.920 | ng | 100 |
| 78) Pyrene | 19.639 | 202 | 6064476 | 54.187 | ng | 100 |
| 80) Butylbenzylphthalate | 20.539 | 149 | 2150816 | 58.284 | ng | 100 |
| 81) Benzo(a)anthracene | 21.439 | 228 | 6238737 | 54.793 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.356 | 252 | 2176770 | 56.690 | ng | 100 |
| 83) Chrysene | 21.503 | 228 | 5797980 | 53.988 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.374 | 149 | 3407481 | 58.166 | ng | 99 |
| 85) Di-n-octyl phthalate | 22.527 | 149 | 5213026 | 56.816 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 27.944 | 276 | 6640722 | 56.349 | ng | 100 |
| 88) Benzo(b)fluoranthene | 23.539 | 252 | 5667484 | 55.588 | ng | 100 |
| 89) Benzo(k)fluoranthene | 23.603 | 252 | 5984419 | 56.568 | ng | 99 |
| 90) Benzo(a)pyrene | 24.356 | 252 | 5445326 | 57.054 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.009 | 278 | 5603613 | 56.460 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 29.015 | 276 | 5235761 | 55.817 | ng | 99 |

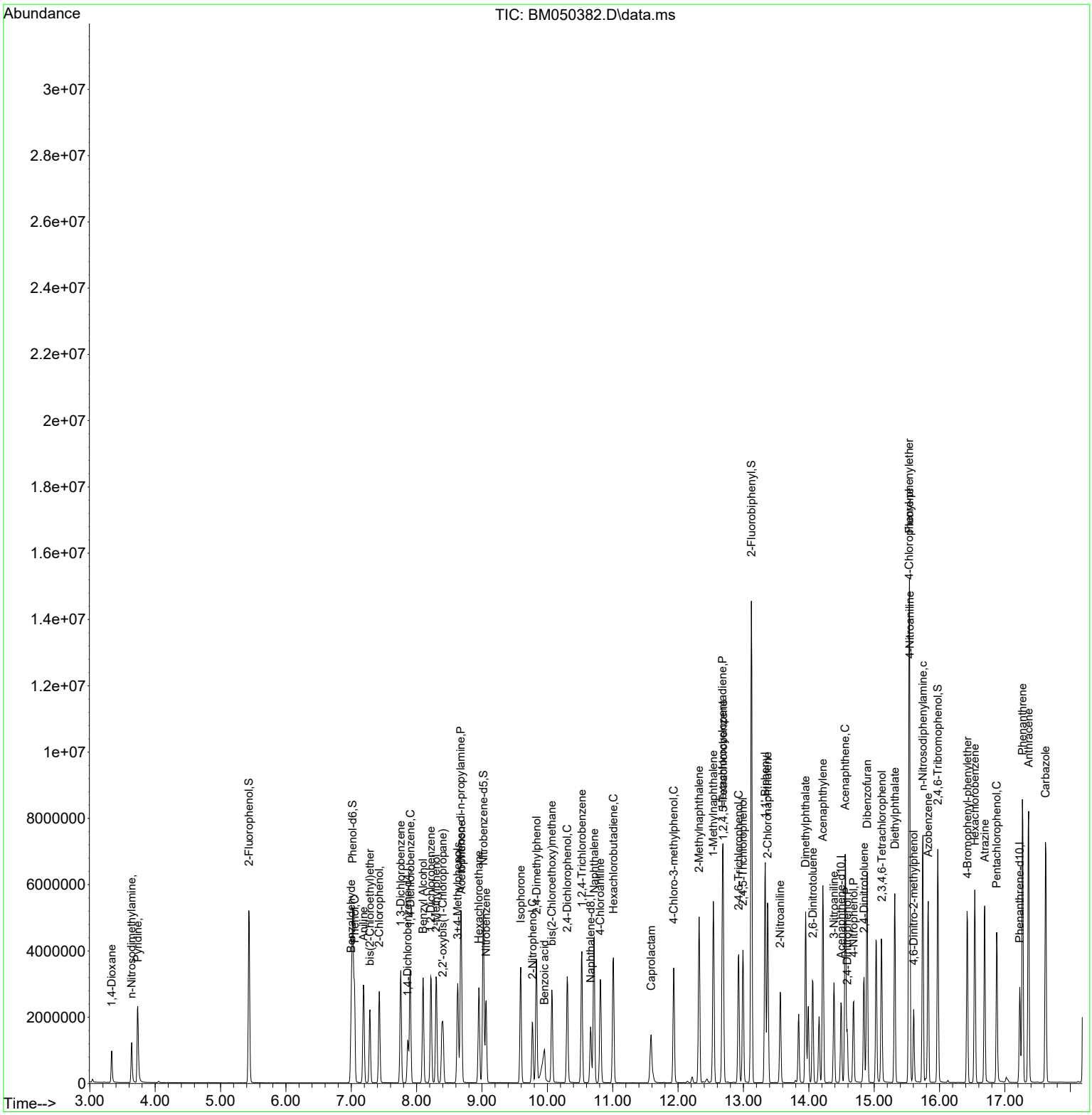
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050382.D
Acq On : 08 Jul 2025 16:01
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 08 18:23:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025



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Data File : BM050382.D
Acq On : 08 Jul 2025 16:01
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 08 18:23:03 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations APPROVED**
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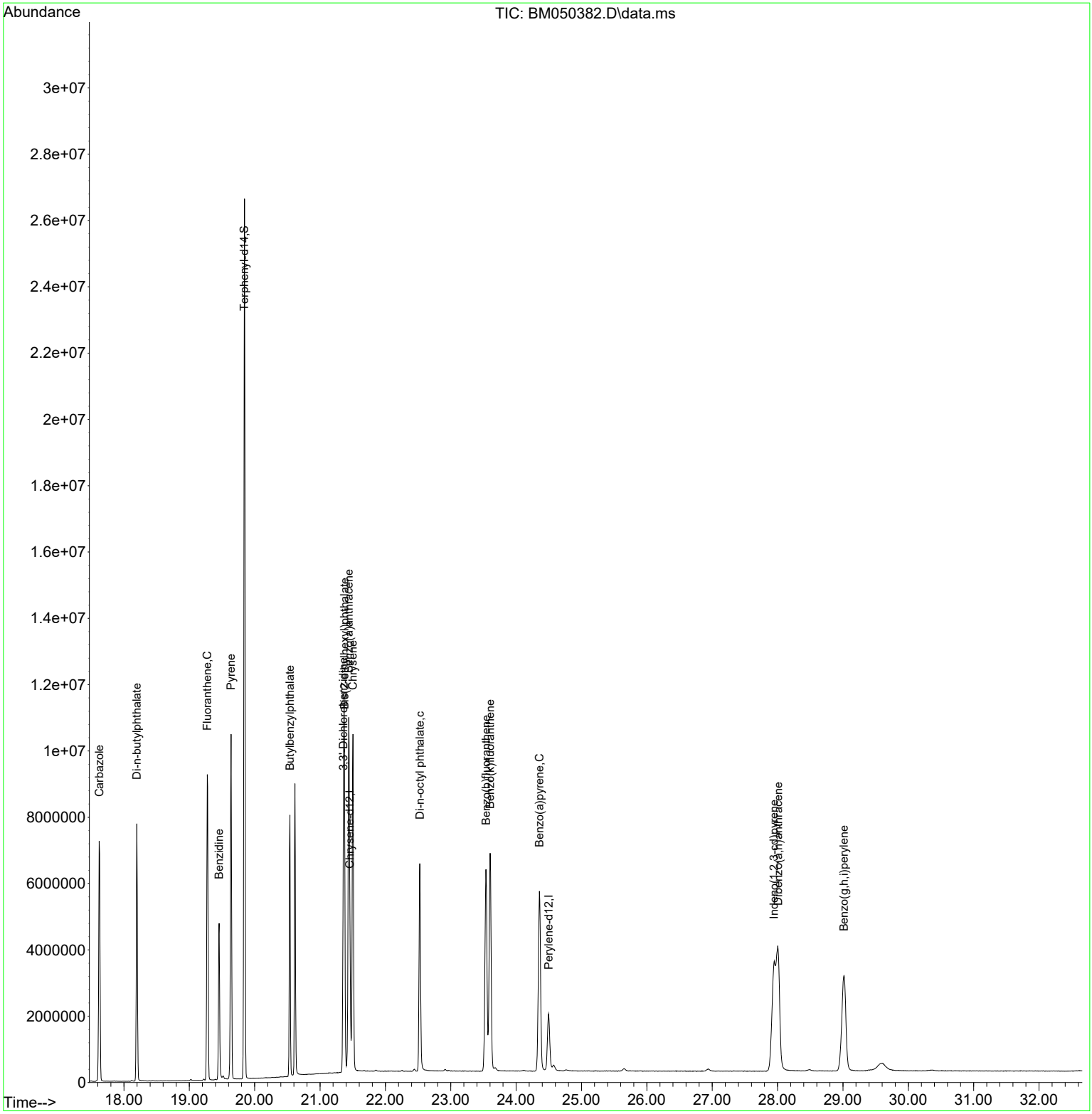
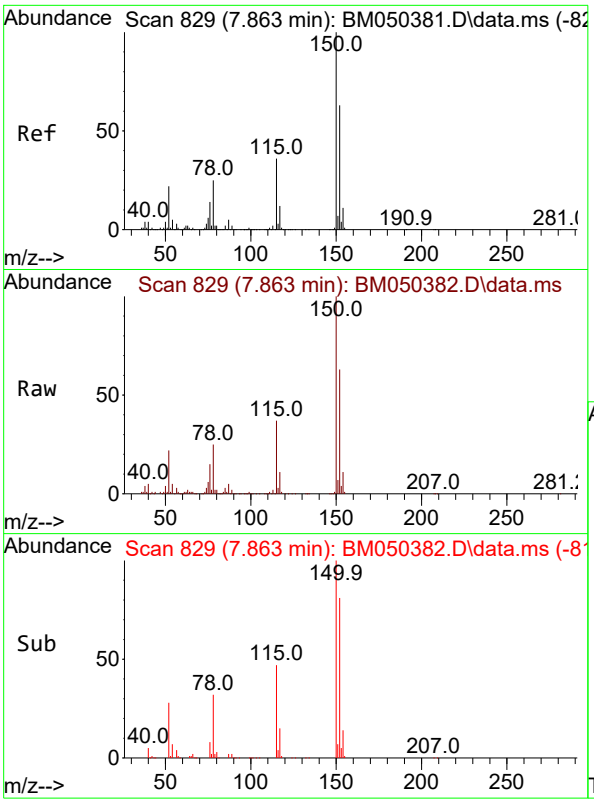
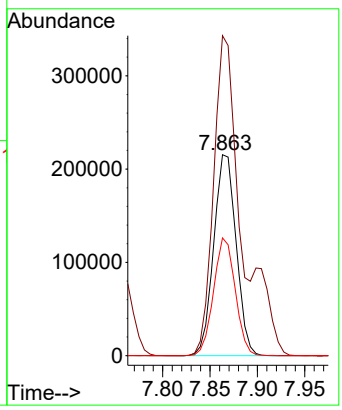





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:152 Resp: 35541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.3 | 126.2 | 189.4 |
| 115 | 58.6 | 45.8 | 68.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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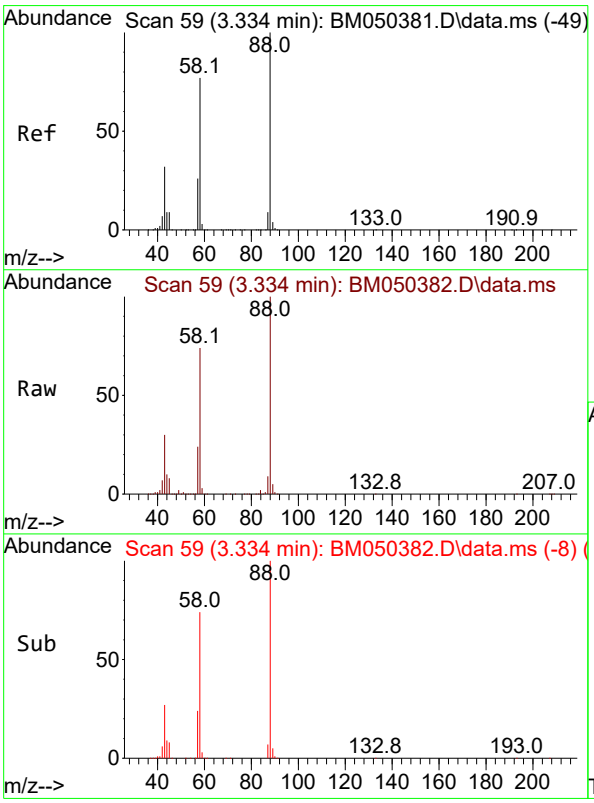
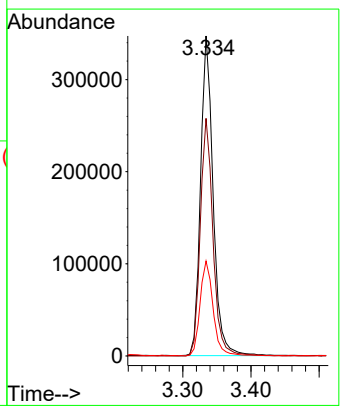
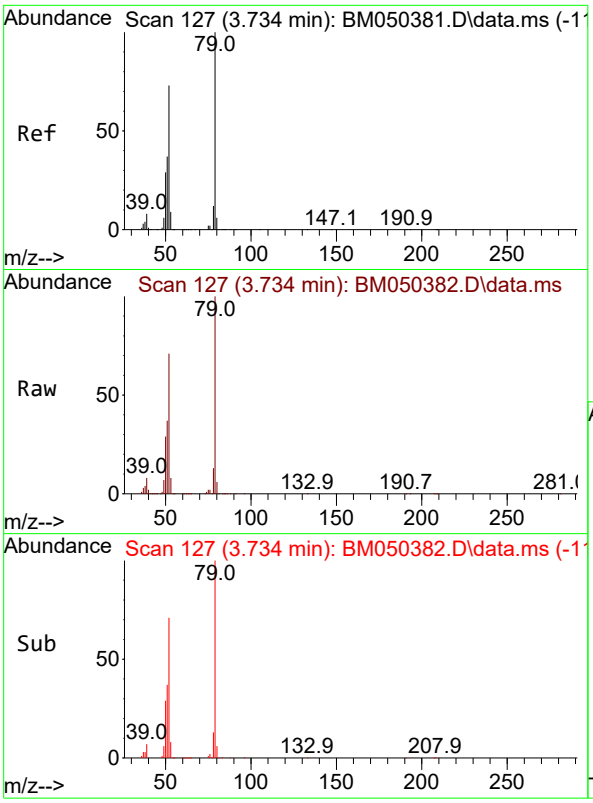



#2
1,4-Dioxane
Concen: 52.431 ng
RT: 3.334 min Scan# 59
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion: 88 Resp: 445164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 75.1 | 61.0 | 91.6 |
| 43 | 30.8 | 24.6 | 37.0 |

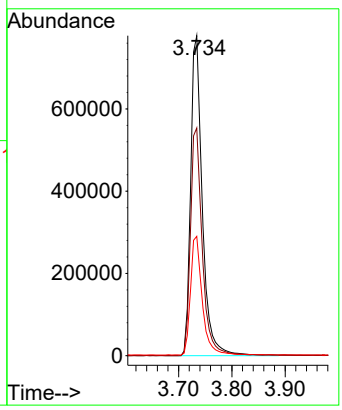





#3
Pyridine
Concen: 53.254 ng
RT: 3.734 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion: 79 Resp: 118705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 71.2 | 58.3 | 87.5 |
| 51 | 37.3 | 29.6 | 44.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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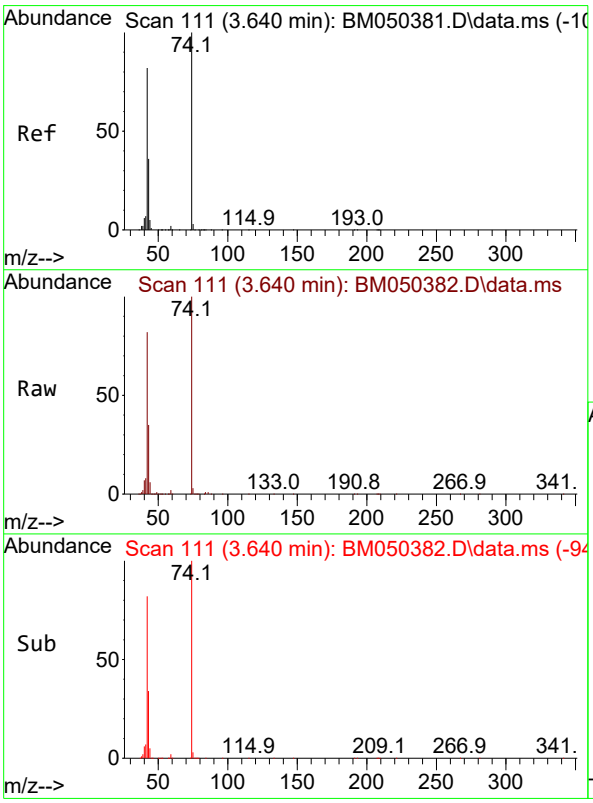
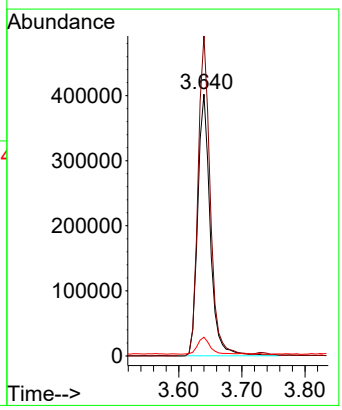
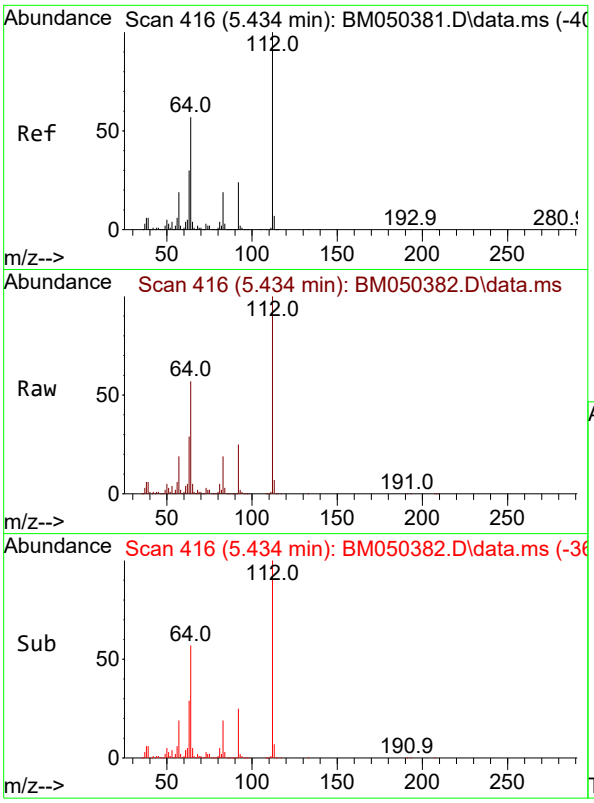



#4
n-Nitrosodimethylamine
Concen: 53.005 ng
RT: 3.640 min Scan# 111
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion: 42 Resp: 550809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 122.3 | 97.5 | 146.3 |
| 44 | 7.2 | 5.7 | 8.5 |

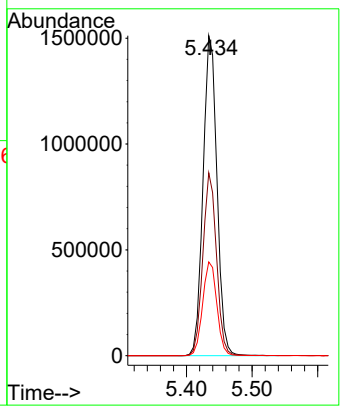





#5
2-Fluorophenol
Concen: 108.263 ng
RT: 5.434 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:112 Resp: 223539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.1 | 45.5 | 68.3 |
| 63 | 29.3 | 24.2 | 36.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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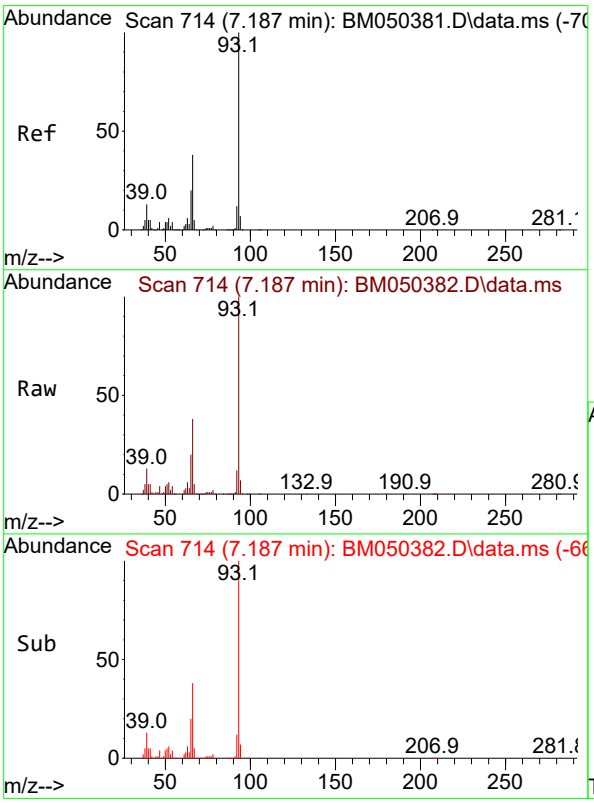
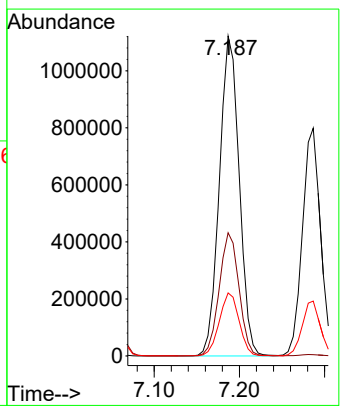
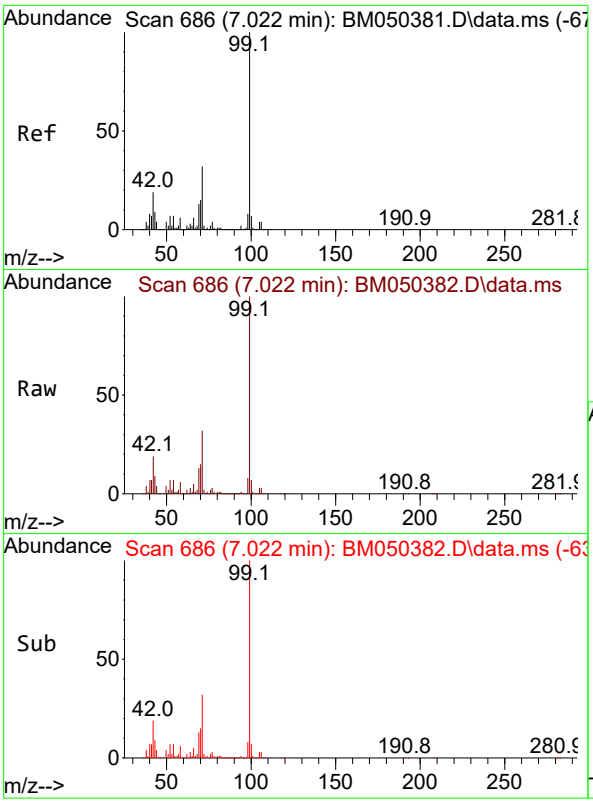



#6
Aniline
Concen: 54.314 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion: 93 Resp: 1814285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 38.5 | 30.5 | 45.7 |
| 65 | 19.7 | 15.9 | 23.9 |

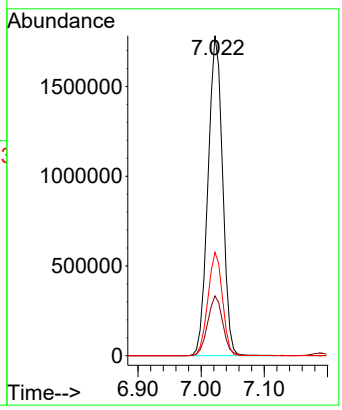





#7
Phenol-d6
Concen: 109.721 ng
RT: 7.022 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion: 99 Resp: 285591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.7 | 15.0 | 22.6 |
| 71 | 32.3 | 25.9 | 38.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

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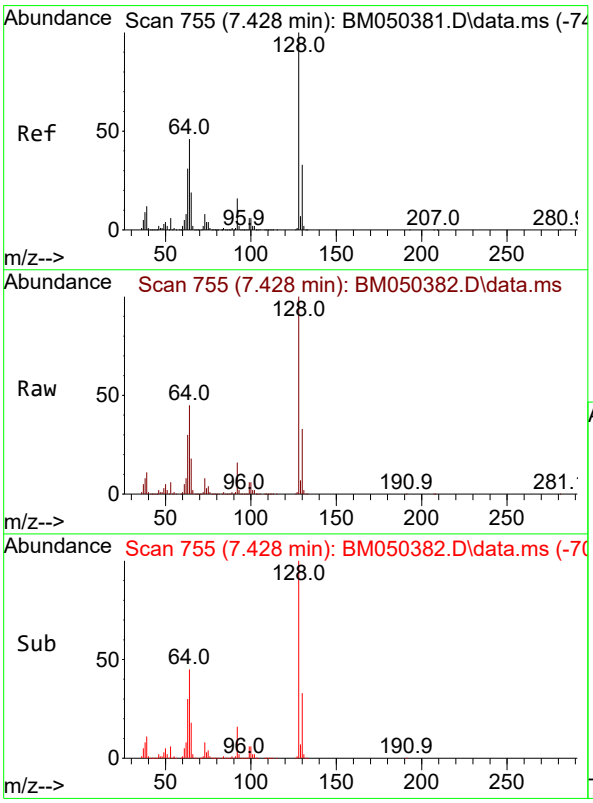
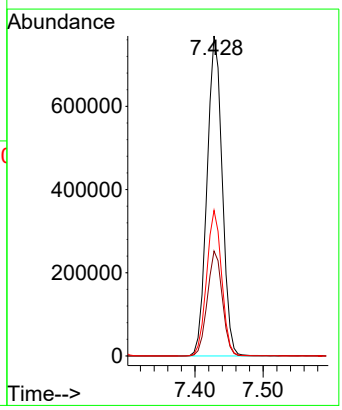
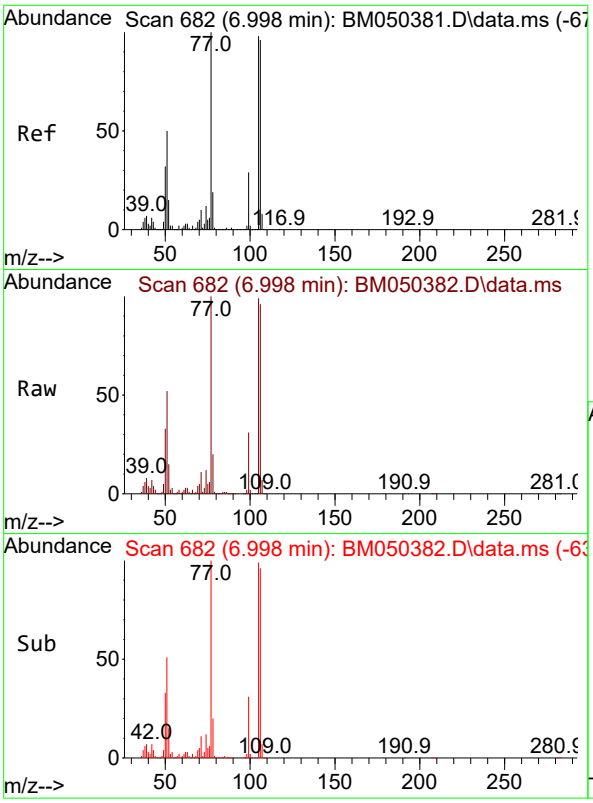



#8
2-Chlorophenol
Concen: 54.720 ng
RT: 7.428 min Scan# 755
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:128 Resp: 1191374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.8 | 13.3 | 53.3 |
| 64 | 45.5 | 25.6 | 65.6 |

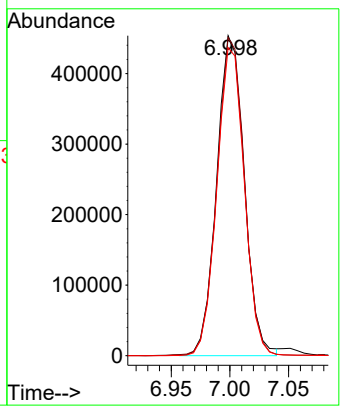





#9
Benzaldehyde
Concen: 48.013 ng m
RT: 6.998 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion: 77 Resp: 74348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.4 | 78.4 | 118.4 |
| 106 | 96.2 | 76.3 | 116.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

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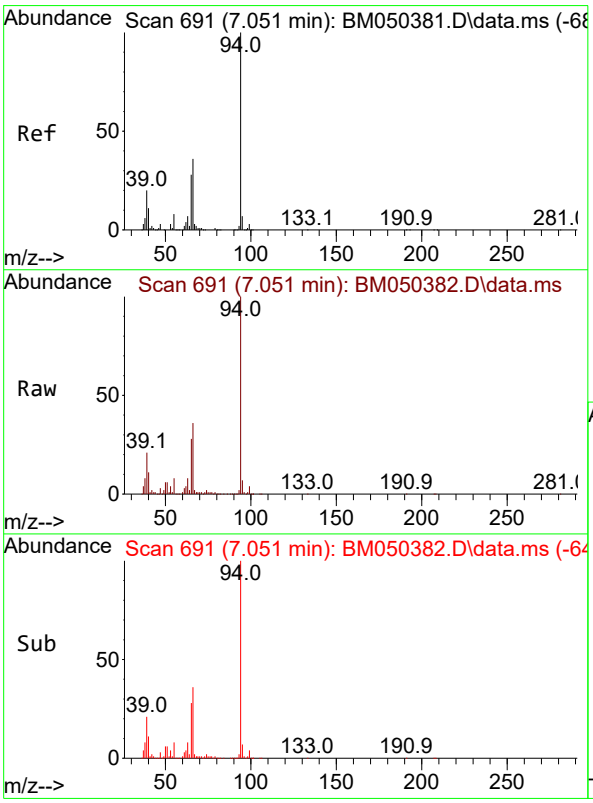
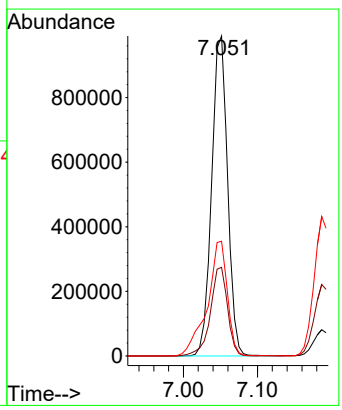
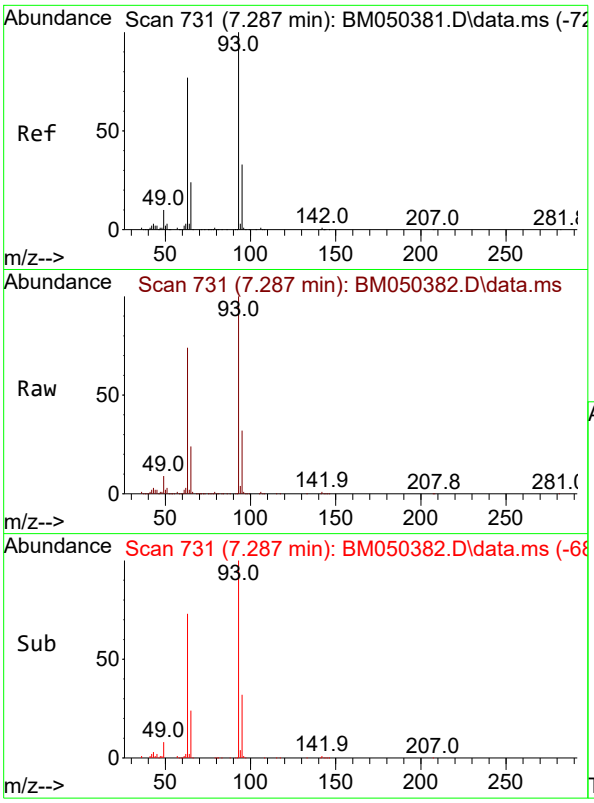



#10
Phenol
Concen: 54.513 ng
RT: 7.051 min Scan# 691
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion: 94 Resp: 1479916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 27.7 | 8.1 | 48.1 |
| 66 | 35.8 | 15.8 | 55.8 |

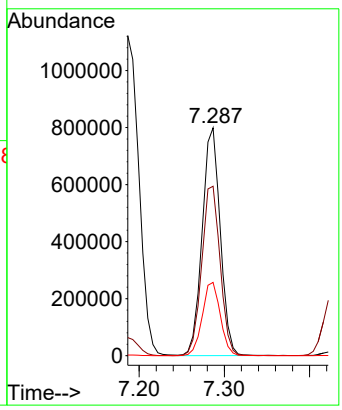





#11
bis(2-Chloroethyl)ether
Concen: 54.102 ng
RT: 7.287 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion: 93 Resp: 117625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 74.4 | 56.9 | 96.9 |
| 95 | 32.1 | 12.6 | 52.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

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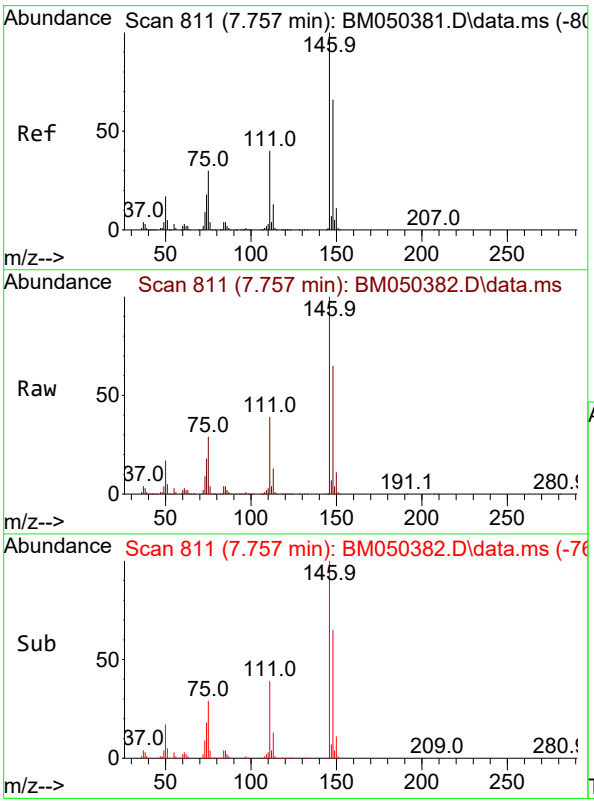
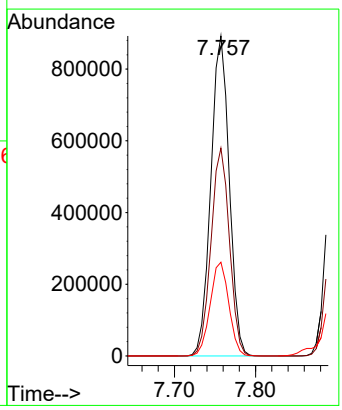
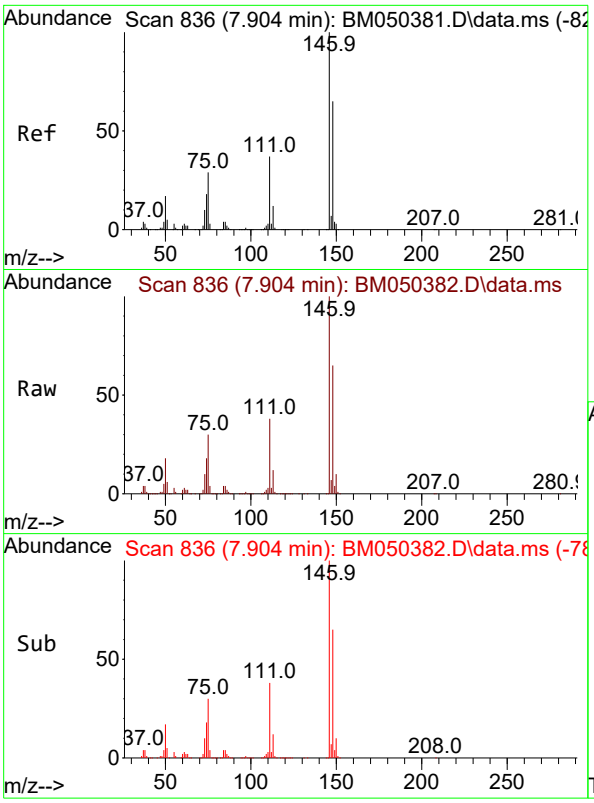



#12
1,3-Dichlorobenzene
Concen: 53.015 ng
RT: 7.757 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:146 Resp: 1403509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.9 | 53.2 | 79.8 |
| 75 | 29.3 | 23.9 | 35.9 |

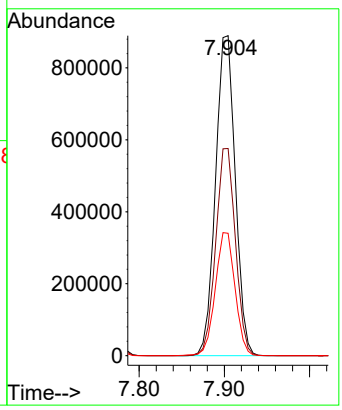





#13
1,4-Dichlorobenzene
Concen: 52.933 ng
RT: 7.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:146 Resp: 143090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.8 | 51.9 | 77.9 |
| 111 | 38.2 | 30.0 | 45.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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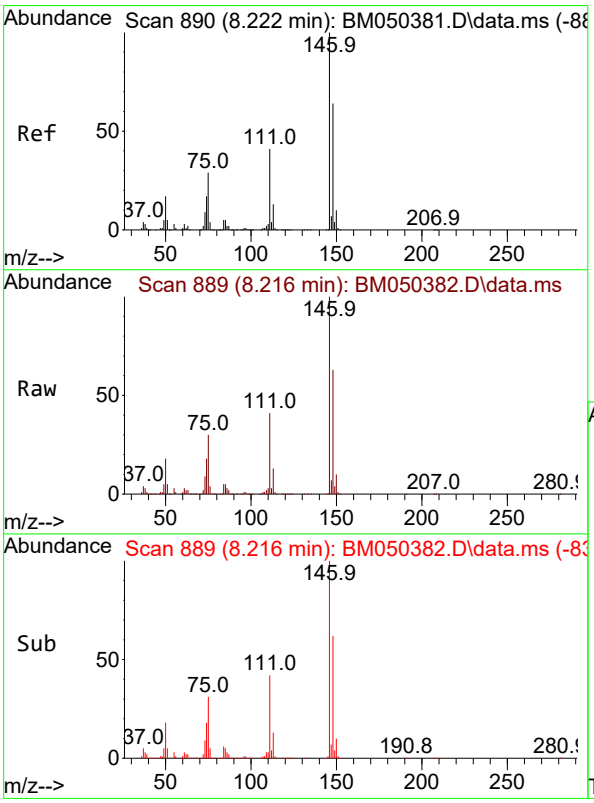
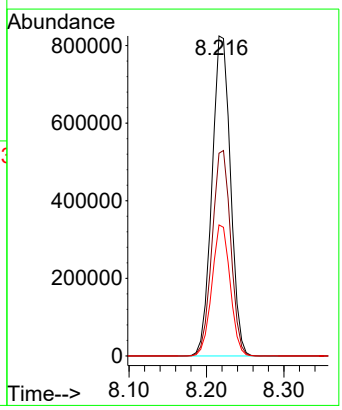
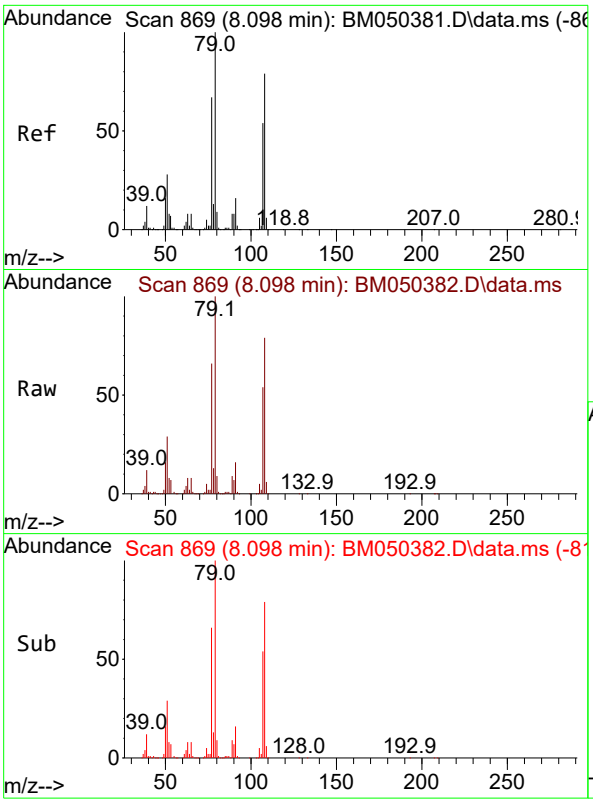



#14
1,2-Dichlorobenzene
Concen: 52.912 ng
RT: 8.216 min Scan# 889
Delta R.T. -0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:146 Resp: 1369382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 51.5 | 77.3 |
| 111 | 40.9 | 32.6 | 49.0 |






#15
Benzyl Alcohol
Concen: 54.529 ng
RT: 8.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion: 79 Resp: 100003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 79.1 | 63.0 | 94.4 |
| 77 | 65.7 | 53.4 | 80.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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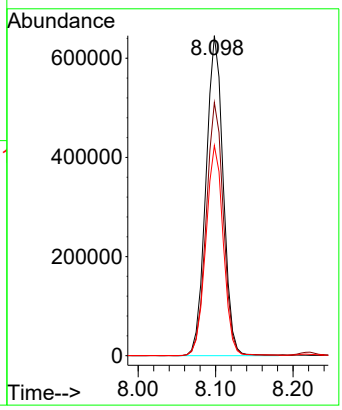
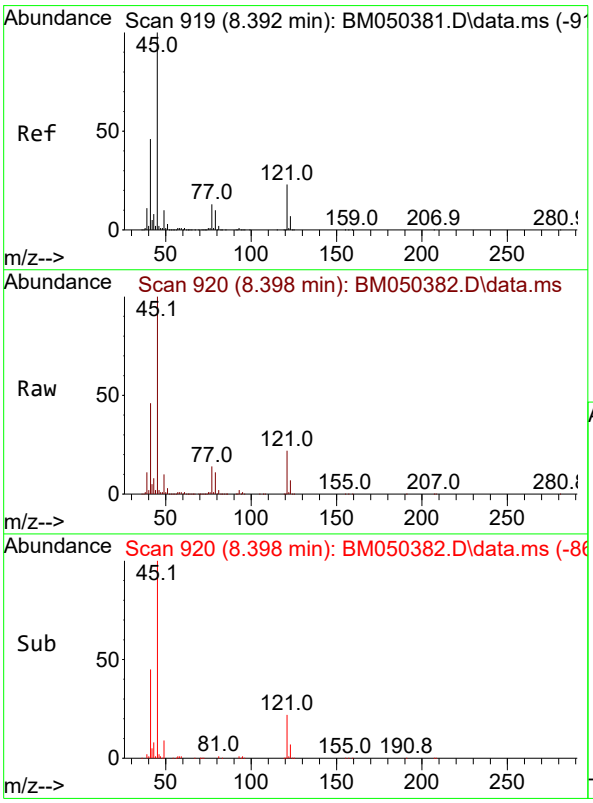
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

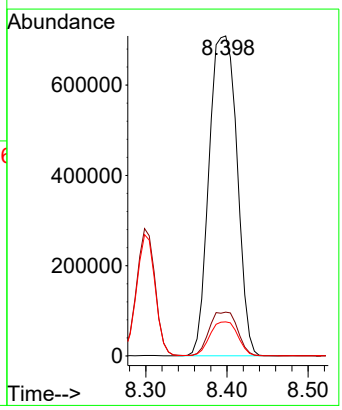


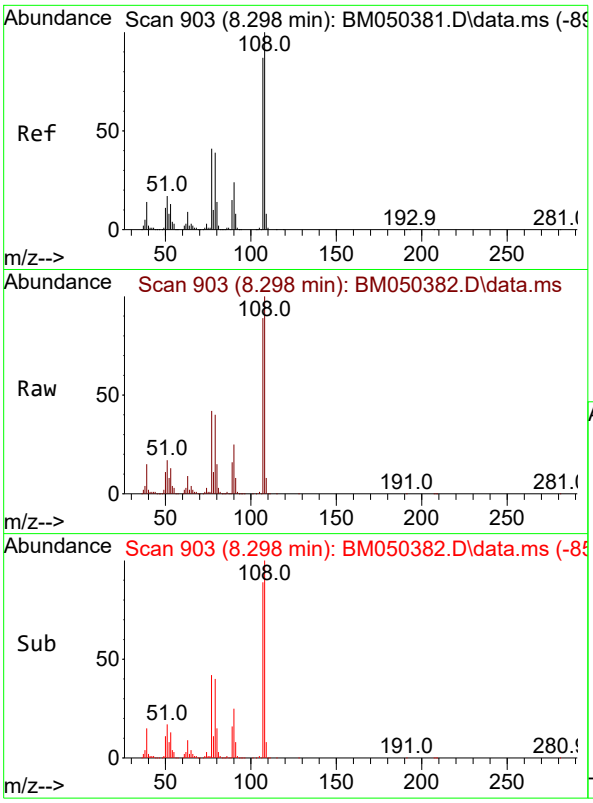




#16
2,2'-oxybis(1-Chloropropane)
Concen: 52.899 ng
RT: 8.398 min Scan# 920
Delta R.T. 0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion: 45 Resp: 1694093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 13.7 | 0.0 | 33.5 |
| 79 | 10.7 | 0.0 | 30.3 |

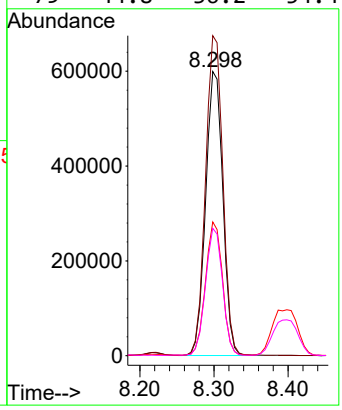





#17
2-Methylphenol
Concen: 54.938 ng
RT: 8.298 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:107 Resp: 96733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.6 | 92.1 | 138.1 |
| 77 | 47.0 | 38.2 | 57.4 |
| 79 | 44.8 | 36.2 | 54.4 |

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BNA_M
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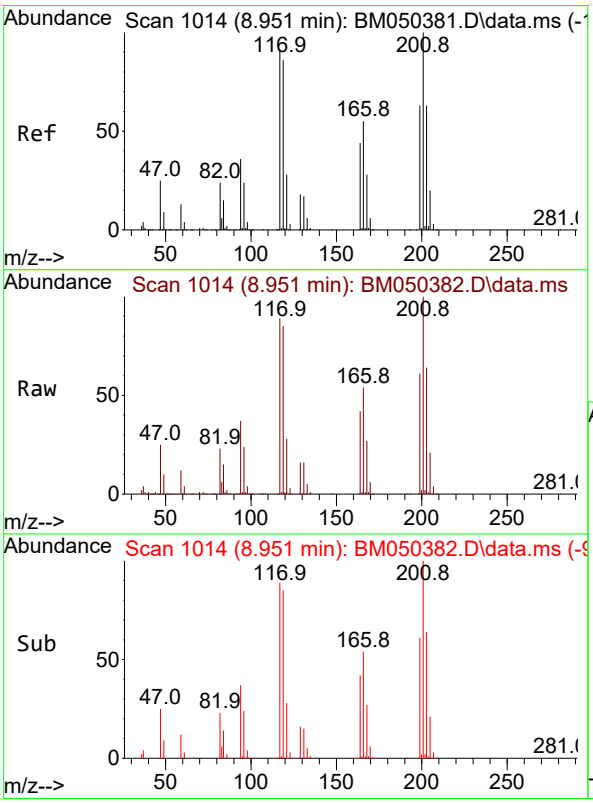
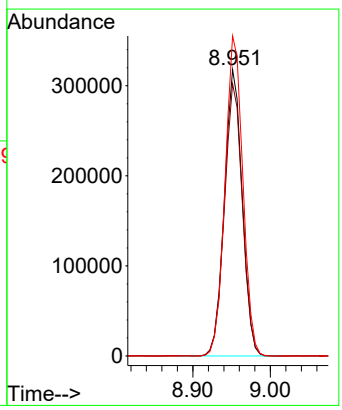
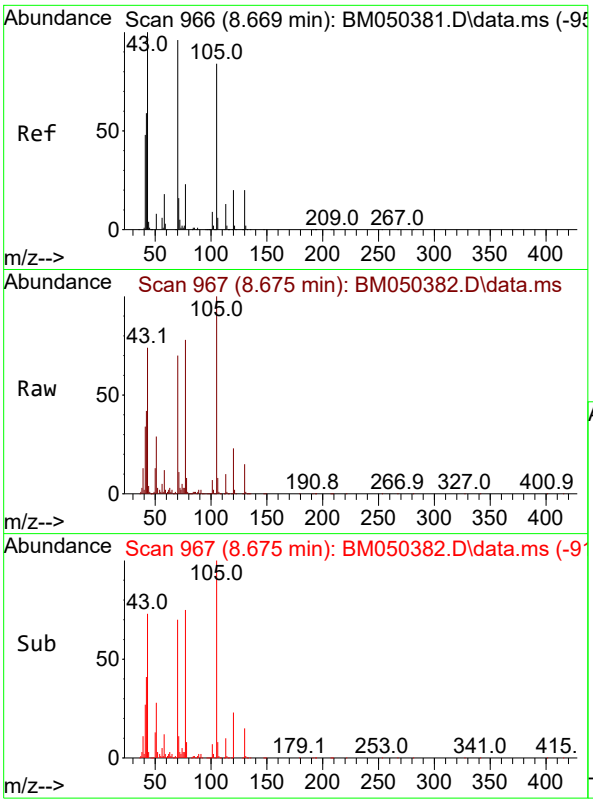



#18
Hexachloroethane
Concen: 53.689 ng
RT: 8.951 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:117 Resp: 510428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.0 | 75.6 | 113.4 |
| 201 | 111.8 | 87.9 | 131.9 |

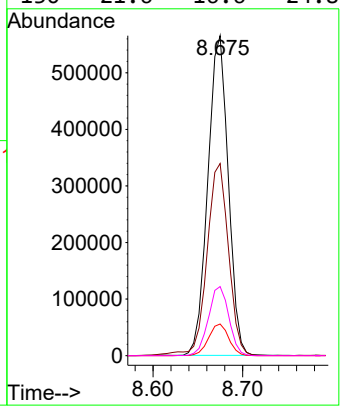





#19
n-Nitroso-di-n-propylamine
Concen: 56.604 ng
RT: 8.675 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion: 70 Resp: 89253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 60.1 | 49.7 | 74.5 |
| 101 | 9.9 | 7.7 | 11.5 |
| 130 | 21.6 | 16.6 | 24.8 |




**Instrument :**
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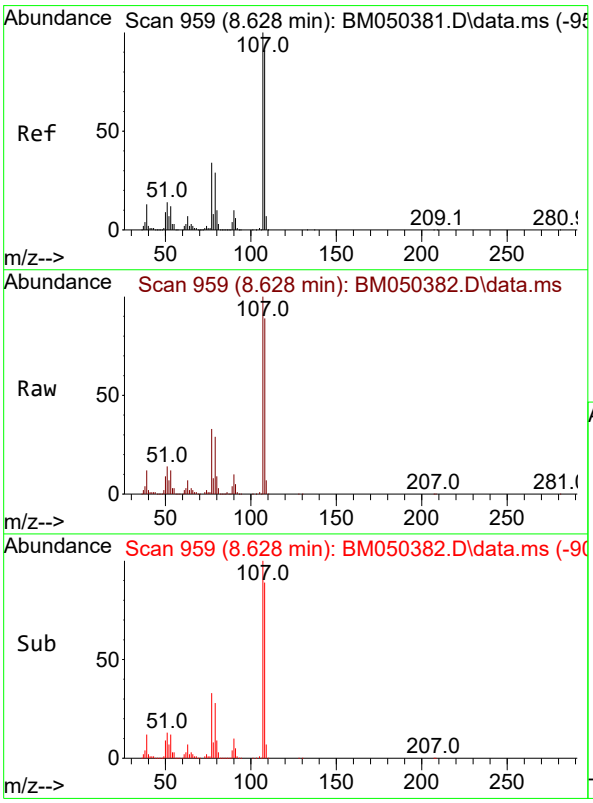
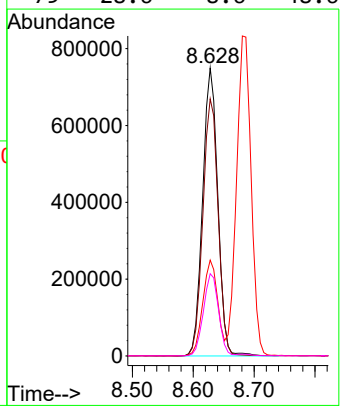
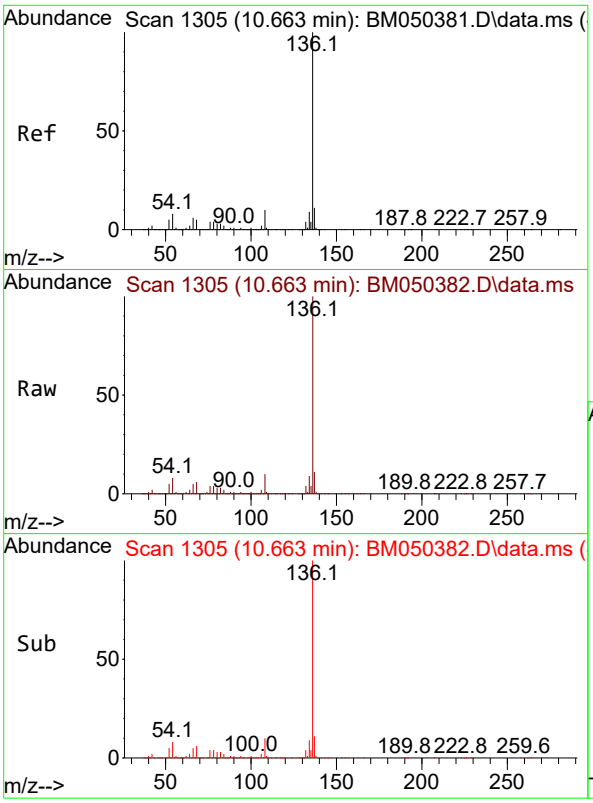



#20
3+4-Methylphenols
Concen: 54.800 ng
RT: 8.628 min Scan# 959
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:107 Resp: 1295330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.3 | 71.5 | 111.5 |
| 77 | 33.3 | 13.7 | 53.7 |
| 79 | 28.6 | 8.6 | 48.6 |

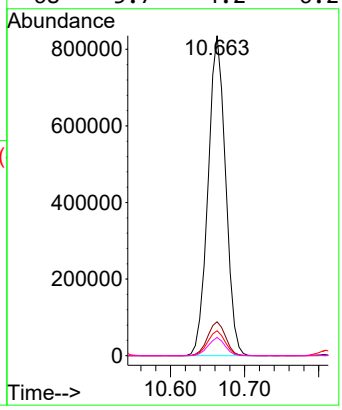





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:136 Resp: 136862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.8 | 13.2 |
| 54 | 7.8 | 6.3 | 9.5 |
| 68 | 5.7 | 4.2 | 6.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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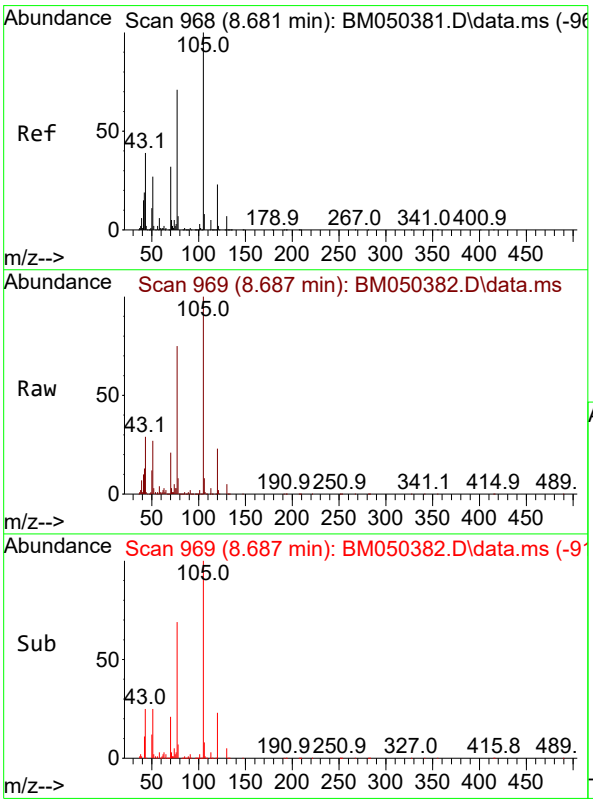
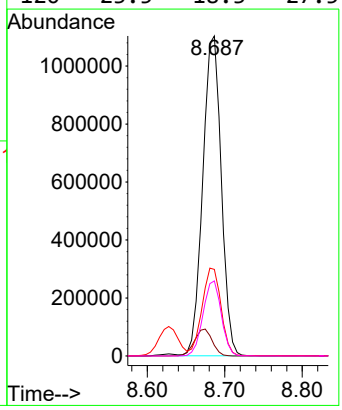
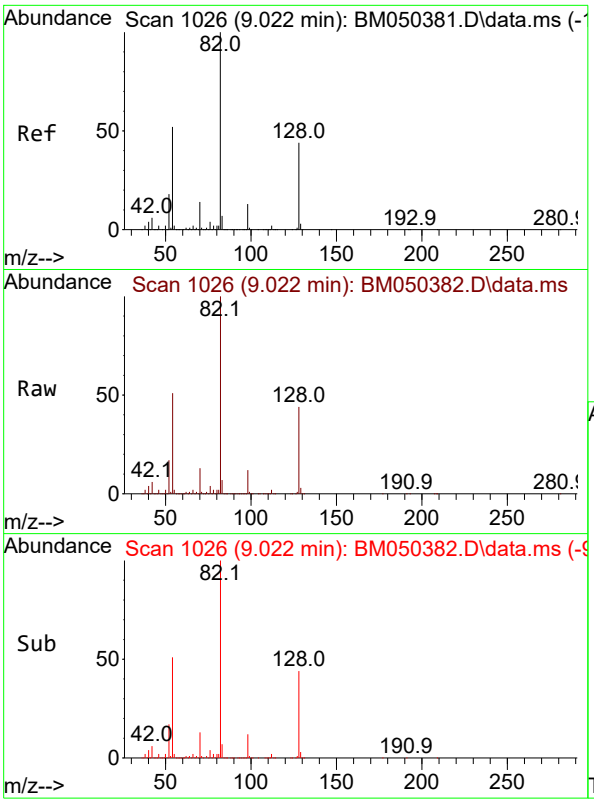



#22
Acetophenone
Concen: 53.438 ng
RT: 8.687 min Scan# 969
Delta R.T. 0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:105 Resp: 1828595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 3.3 | 4.4 | 6.6# |
| 51 | 27.0 | 23.0 | 34.6 |
| 120 | 23.5 | 18.3 | 27.5 |

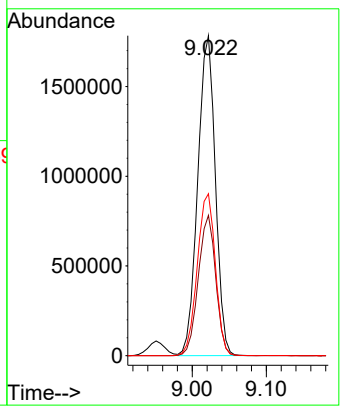





#23
Nitrobenzene-d5
Concen: 109.508 ng
RT: 9.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion: 82 Resp: 293768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.9 | 35.2 | 52.8 |
| 54 | 50.6 | 41.5 | 62.3 |

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SSTDICC050

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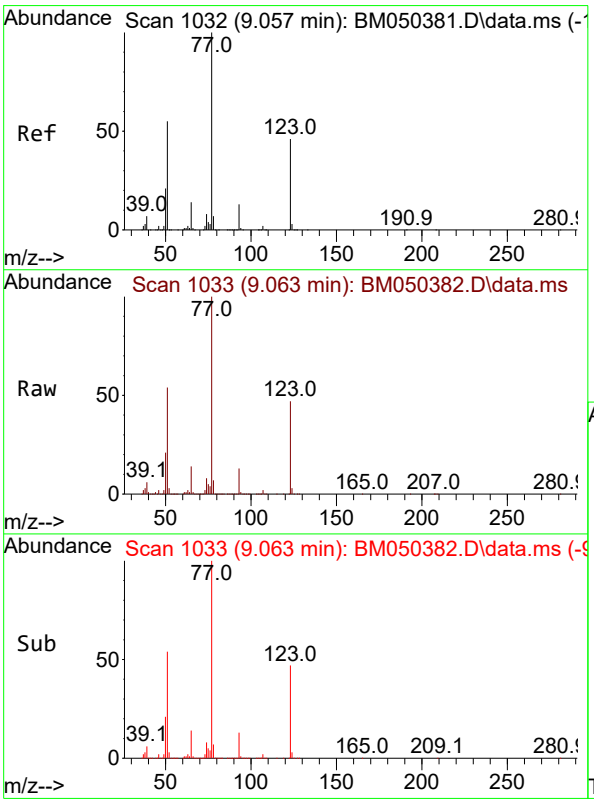
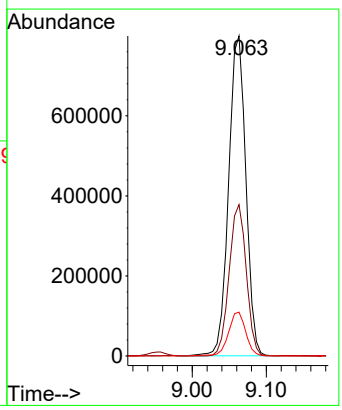
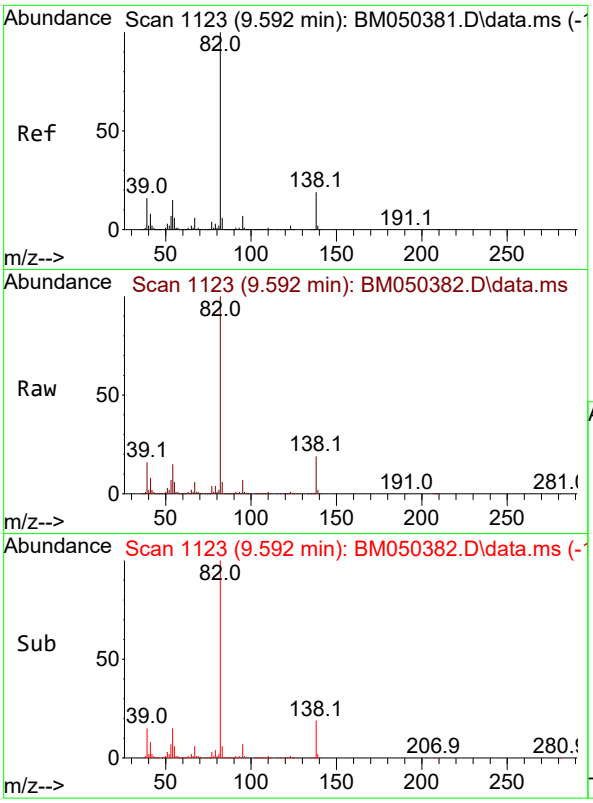



#24
Nitrobenzene
Concen: 53.879 ng
RT: 9.063 min Scan# 1033
Delta R.T. 0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion: 77 Resp: 1289779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.3 | 37.0 | 55.6 |
| 65 | 13.7 | 11.0 | 16.4 |

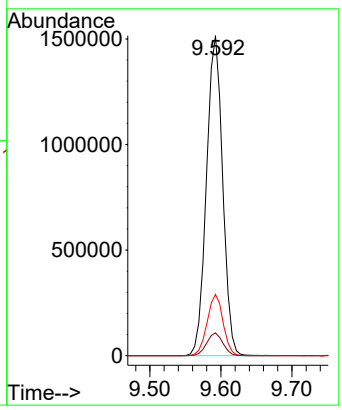





#25
Isophorone
Concen: 55.168 ng
RT: 9.592 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion: 82 Resp: 240148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.2 | 5.6 | 8.4 |
| 138 | 19.2 | 15.3 | 22.9 |

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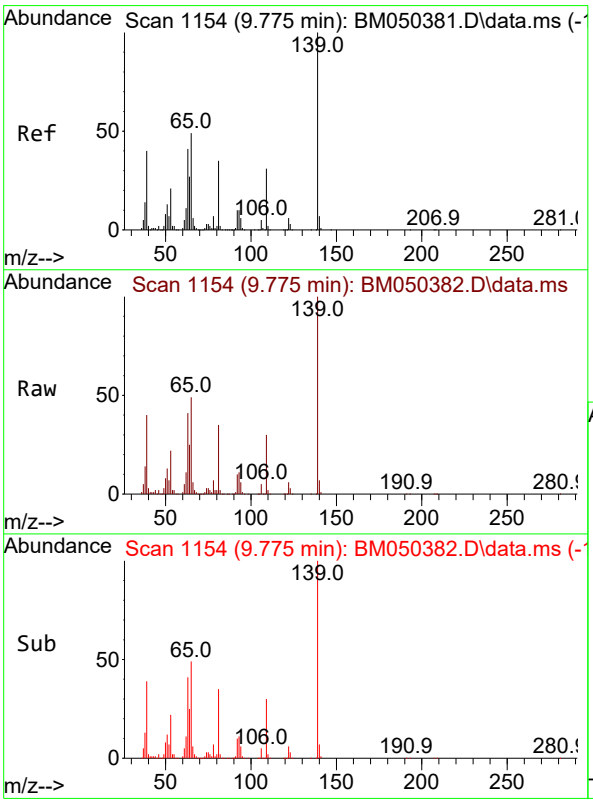
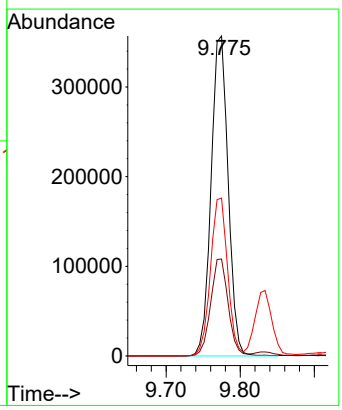
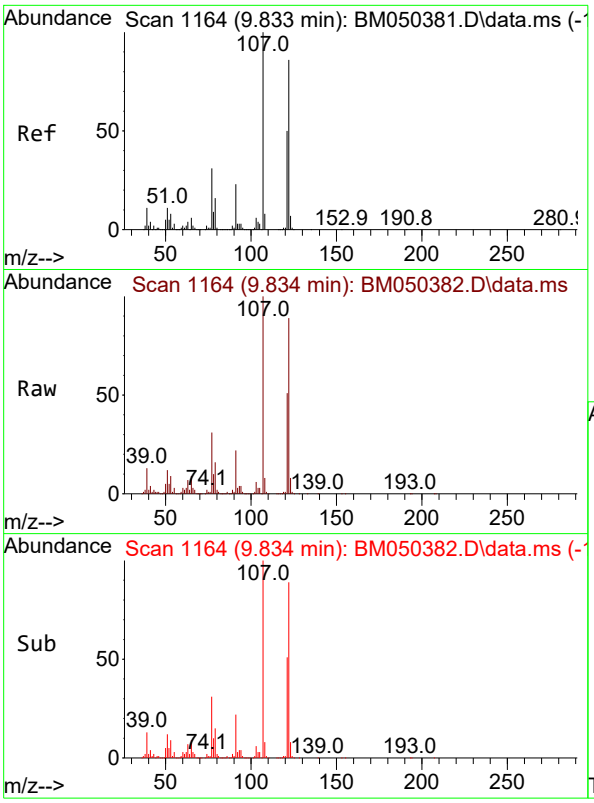



#26
2-Nitrophenol
Concen: 58.414 ng
RT: 9.775 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:139 Resp: 569906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 30.3 | 24.6 | 36.8 |
| 65 | 49.3 | 39.2 | 58.8 |

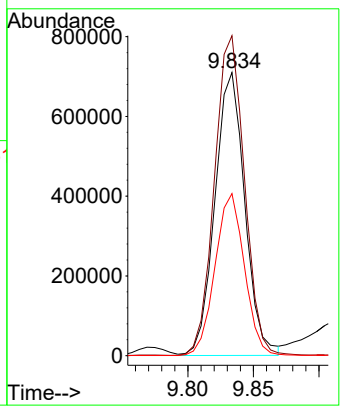





#27
2,4-Dimethylphenol
Concen: 54.178 ng
RT: 9.834 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:122 Resp: 112476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 113.0 | 93.0 | 139.6 |
| 121 | 57.2 | 46.1 | 69.1 |

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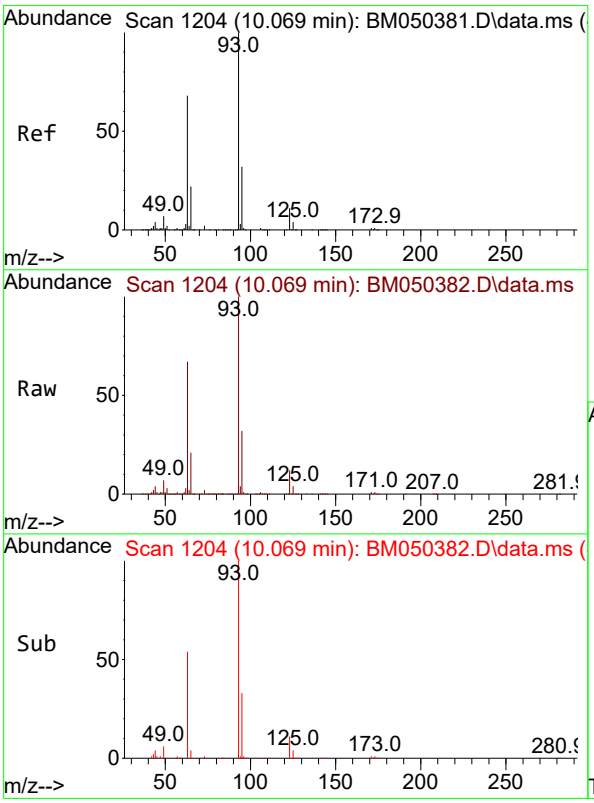
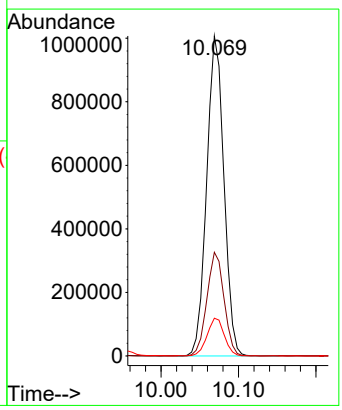
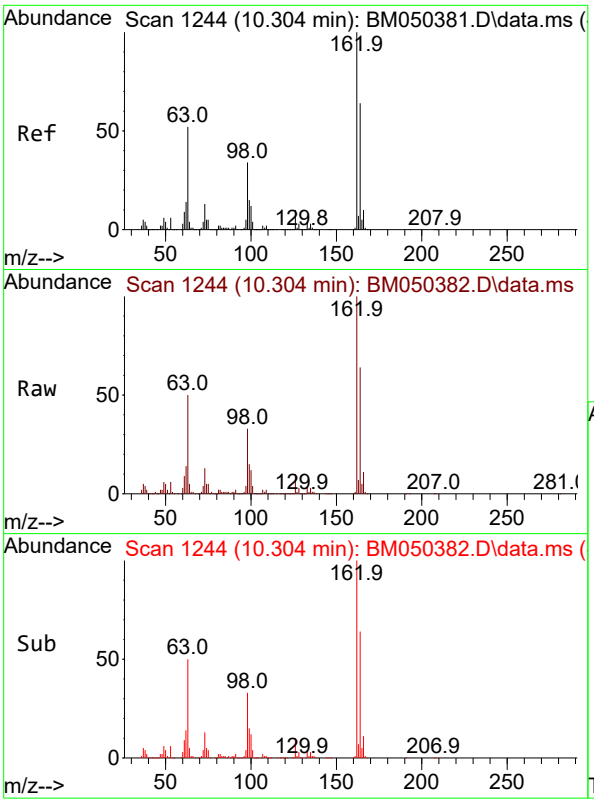



#28
bis(2-Chloroethoxy)methane
Concen: 53.910 ng
RT: 10.069 min Scan# 1204
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion: 93 Resp: 1555003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.4 | 25.8 | 38.6 |
| 123 | 11.8 | 9.1 | 13.7 |

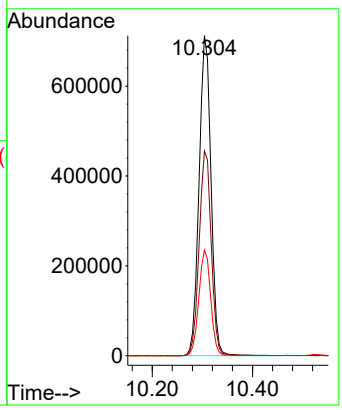





#29
2,4-Dichlorophenol
Concen: 55.130 ng
RT: 10.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:162 Resp: 117585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.0 | 43.7 | 83.7 |
| 98 | 33.0 | 13.7 | 53.7 |

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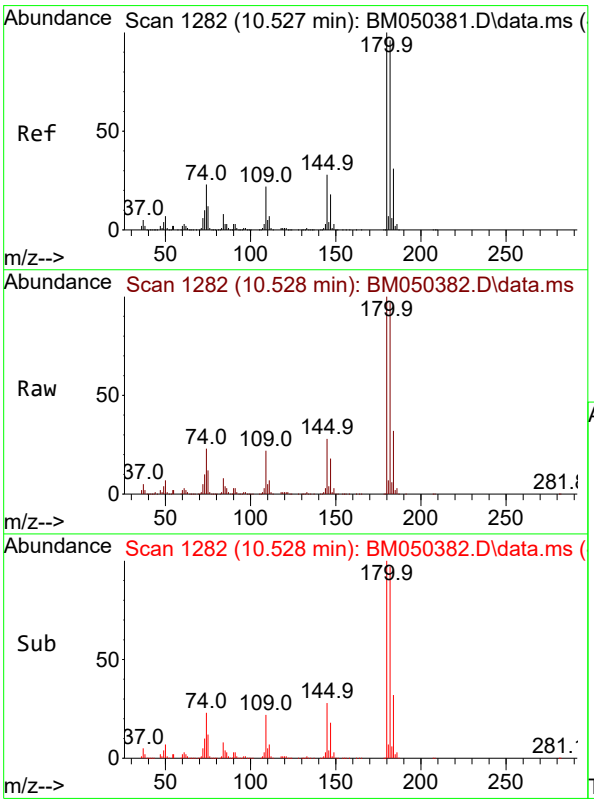
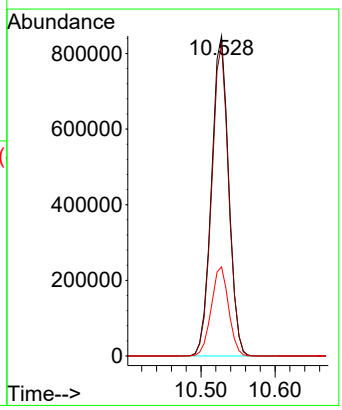
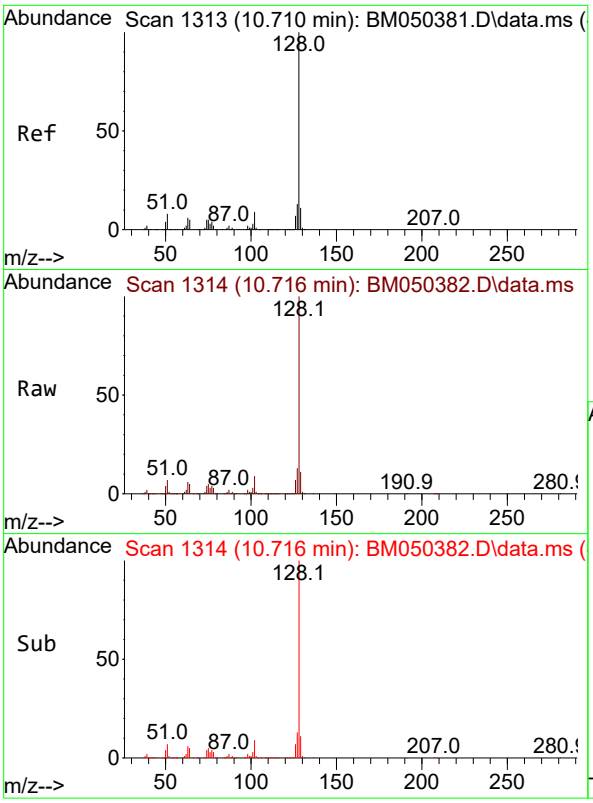



#30
1,2,4-Trichlorobenzene
Concen: 53.267 ng
RT: 10.528 min Scan# 1282
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:180 Resp: 1359109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.3 | 76.8 | 115.2 |
| 145 | 27.9 | 22.6 | 33.8 |

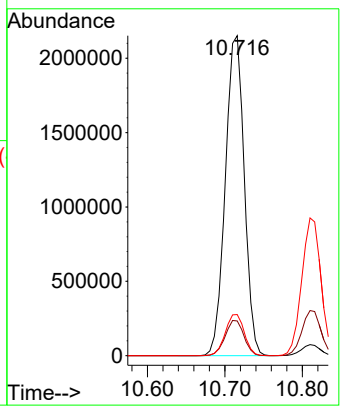





#31
Naphthalene
Concen: 52.691 ng
RT: 10.716 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:128 Resp: 366284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.8 | 13.2 |
| 127 | 12.8 | 10.4 | 15.6 |




**Instrument :**
BNA_M
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SSTDICC050

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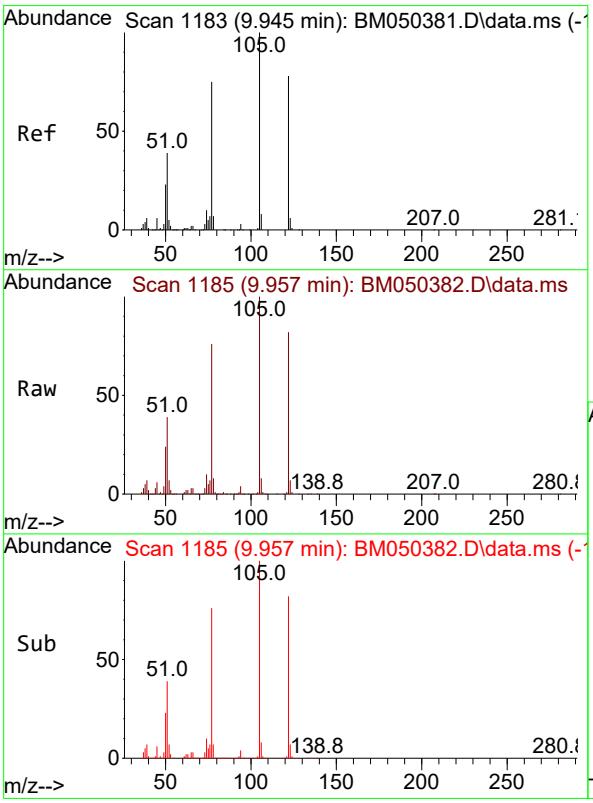
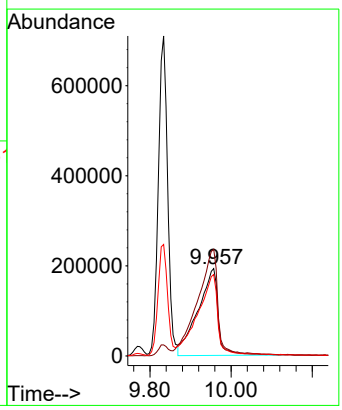
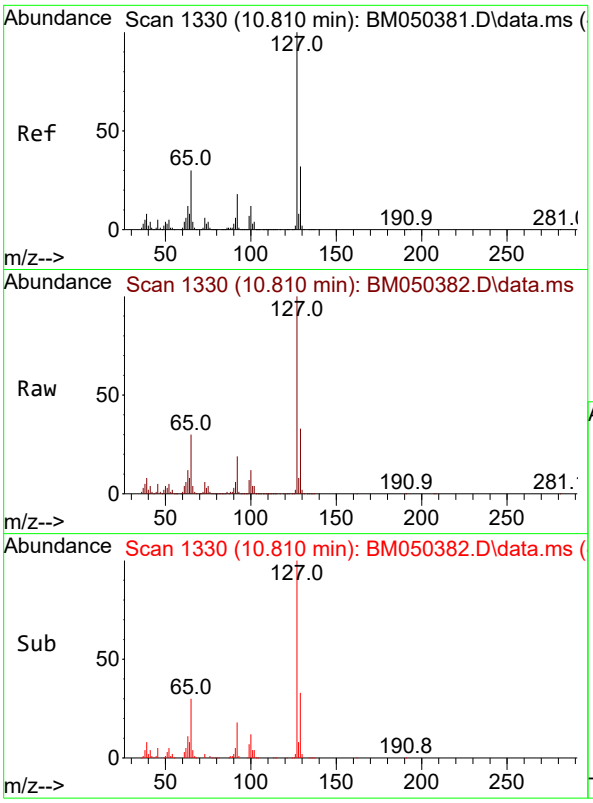



#32
Benzoic acid
Concen: 51.765 ng
RT: 9.957 min Scan# 1185
Delta R.T. 0.012 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:122 Resp: 666467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 122.1 | 104.0 | 144.0 |
| 77 | 93.3 | 73.8 | 113.8 |

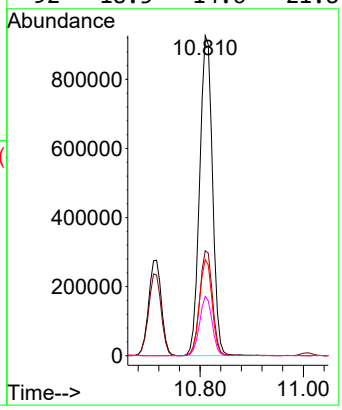





#33
4-Chloroaniline
Concen: 54.189 ng
RT: 10.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:127 Resp: 159252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.8 | 25.5 | 38.3 |
| 65 | 30.0 | 23.9 | 35.9 |
| 92 | 18.5 | 14.6 | 21.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

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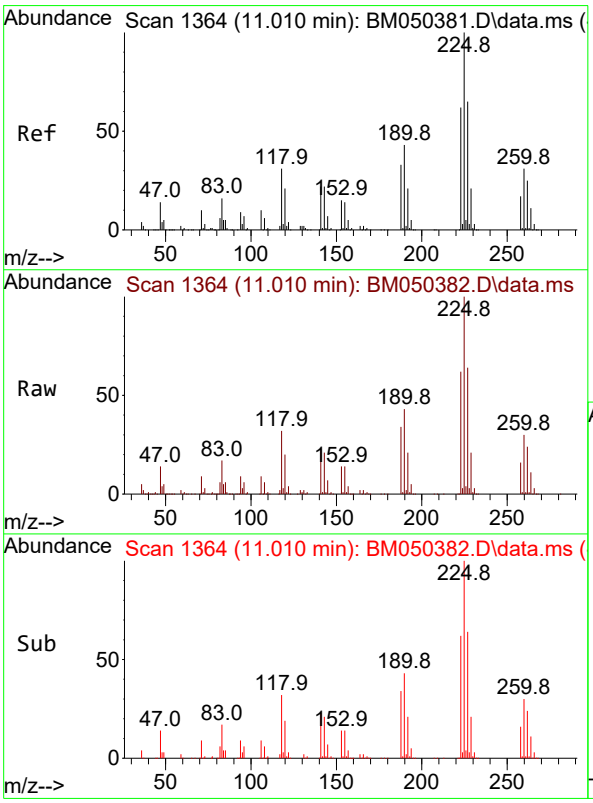
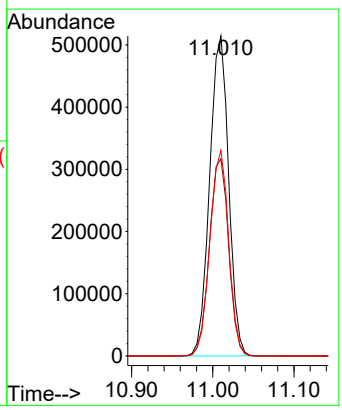
Supervised By :Jagrut Upadhyay 07/09/2025

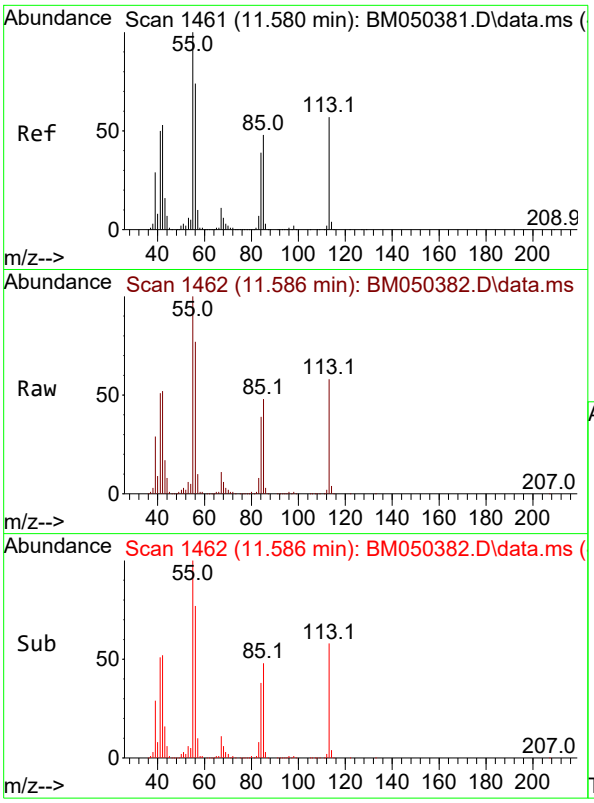



#34
Hexachlorobutadiene
Concen: 53.639 ng
RT: 11.010 min Scan# 1364
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:225 Resp: 835314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.6 | 49.7 | 74.5 |
| 227 | 64.2 | 52.1 | 78.1 |

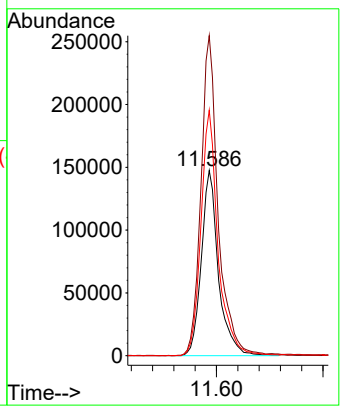





#35
Caprolactam
Concen: 56.364 ng
RT: 11.586 min Scan# 14
Delta R.T. 0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:113 Resp: 32817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 172.8 | 157.2 | 197.2 |
| 56 | 132.6 | 111.7 | 151.7 |




**Instrument :**
BNA_M
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SSTDICC050

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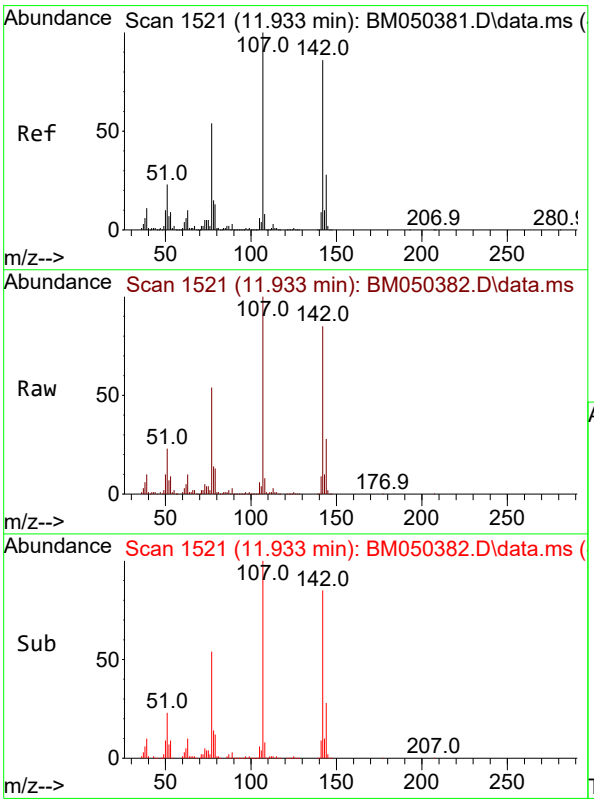
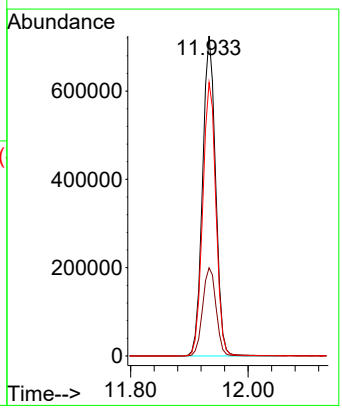
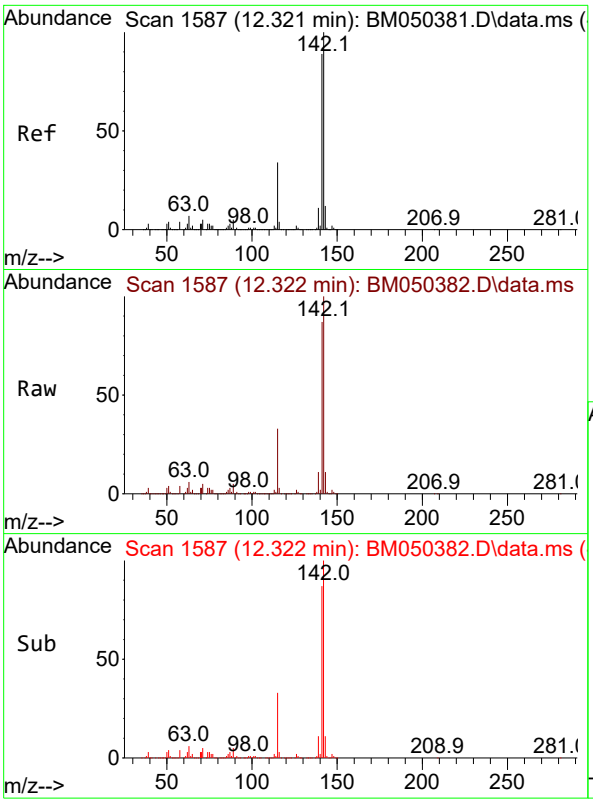



#36
4-Chloro-3-methylphenol
Concen: 55.959 ng
RT: 11.933 min Scan# 1521
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:107 Resp: 1114543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 27.6 | 22.2 | 33.4 |
| 142 | 85.4 | 68.7 | 103.1 |

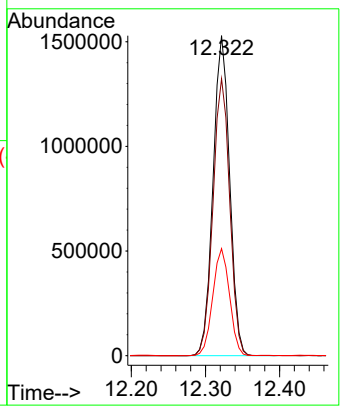





#37
2-Methylnaphthalene
Concen: 53.990 ng
RT: 12.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:142 Resp: 236976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 86.6 | 70.8 | 106.2 |
| 115 | 33.5 | 27.0 | 40.4 |




**Instrument :**
BNA_M
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SSTDICC050

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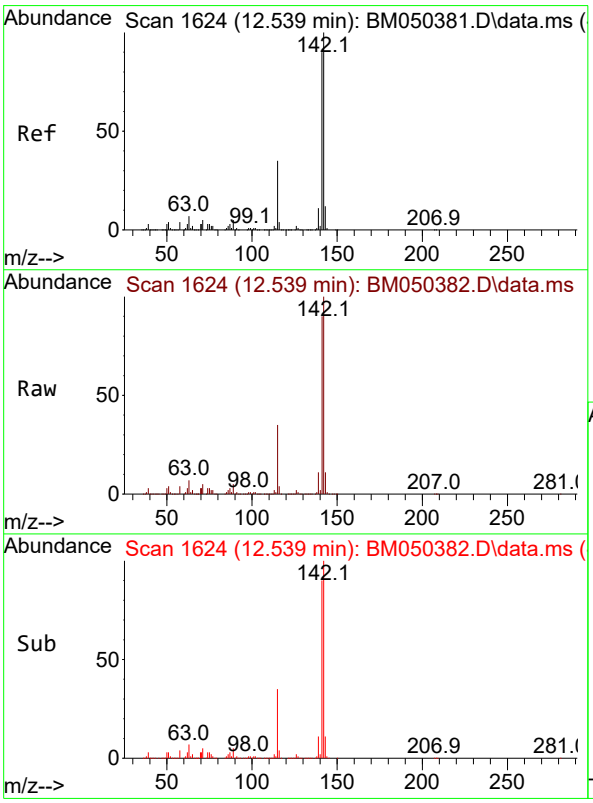
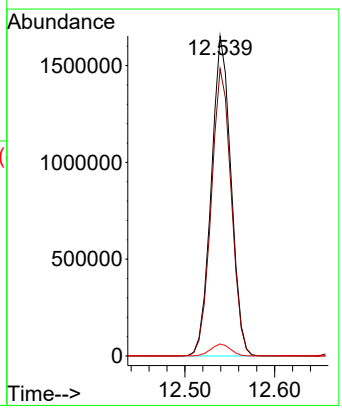
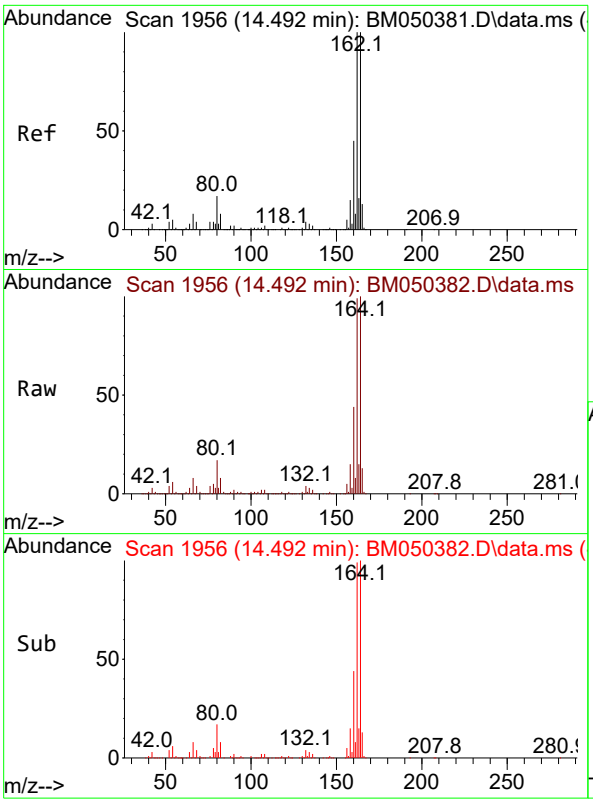



#38
1-Methylnaphthalene
Concen: 54.226 ng
RT: 12.539 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:142 Resp: 2518911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.7 | 71.9 | 107.9 |
| 116 | 3.8 | 3.0 | 4.6 |

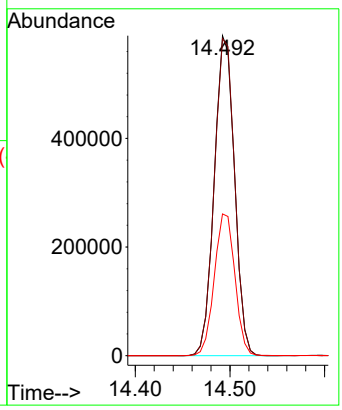





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:164 Resp: 87407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.1 | 79.9 | 119.9 |
| 160 | 44.3 | 36.2 | 54.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

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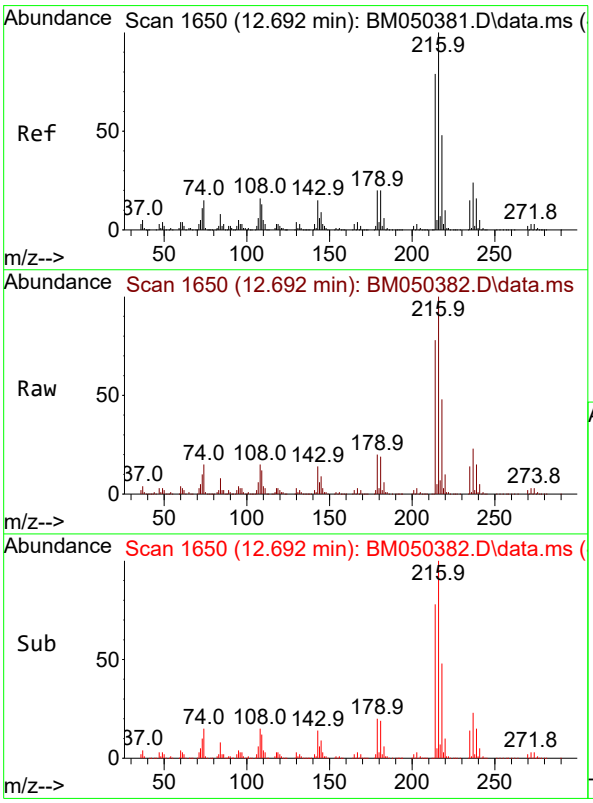
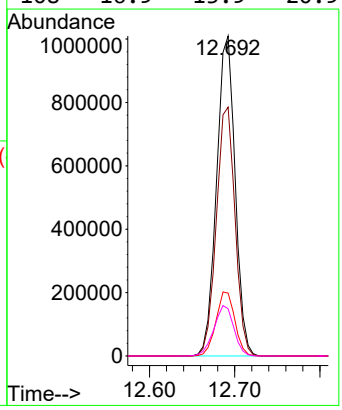
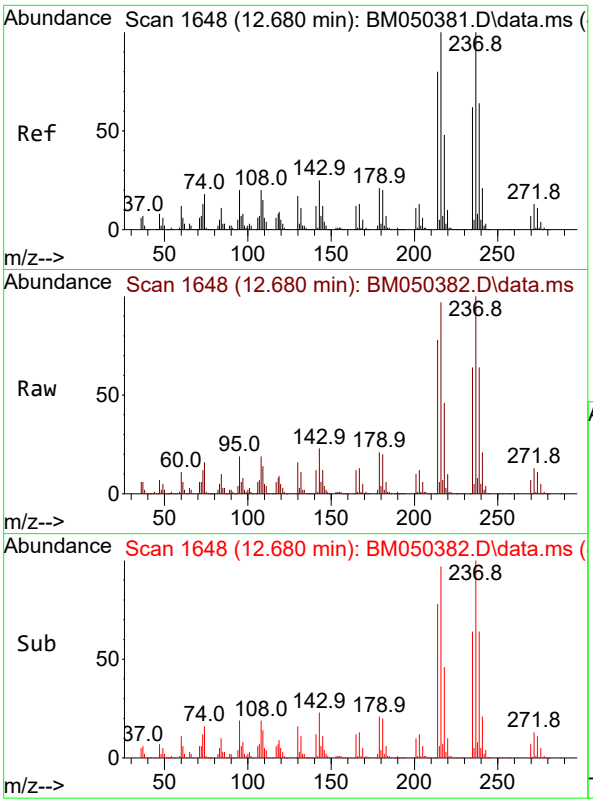



#40
1,2,4,5-Tetrachlorobenzene
Concen: 55.004 ng
RT: 12.692 min Scan# 1650
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:216 Resp: 1528897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.4 | 63.3 | 94.9 |
| 179 | 20.4 | 16.4 | 24.6 |
| 108 | 16.9 | 13.9 | 20.9 |

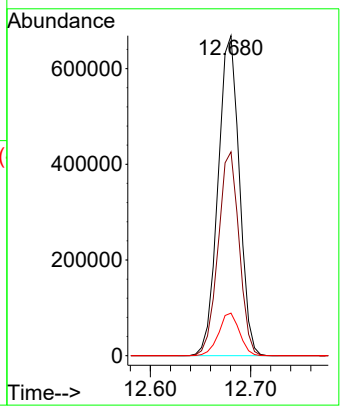





#41
Hexachlorocyclopentadiene
Concen: 55.306 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:237 Resp: 98267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.7 | 42.3 | 82.3 |
| 272 | 13.3 | 0.0 | 33.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

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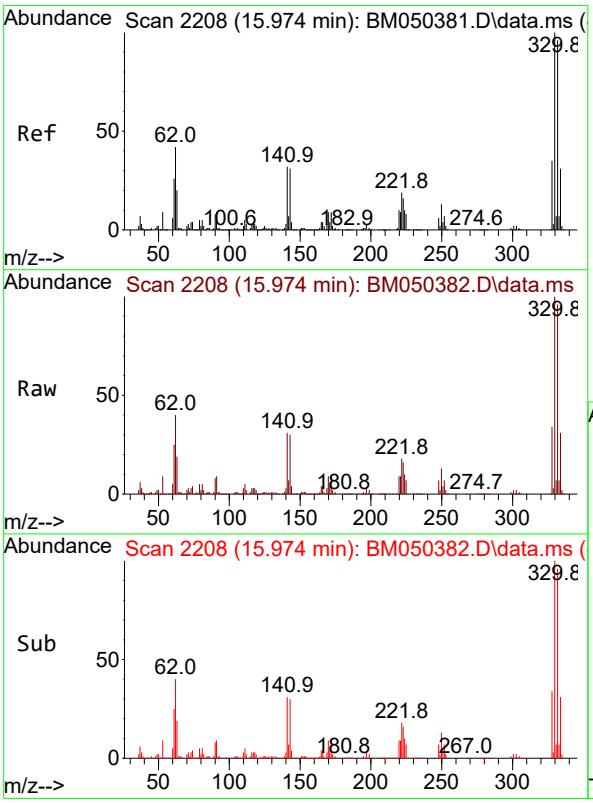
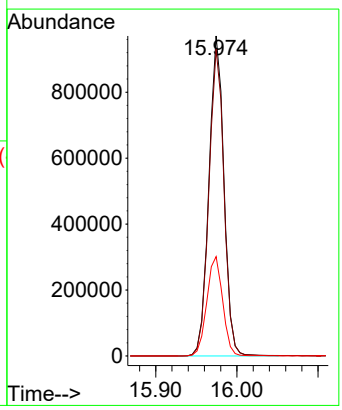
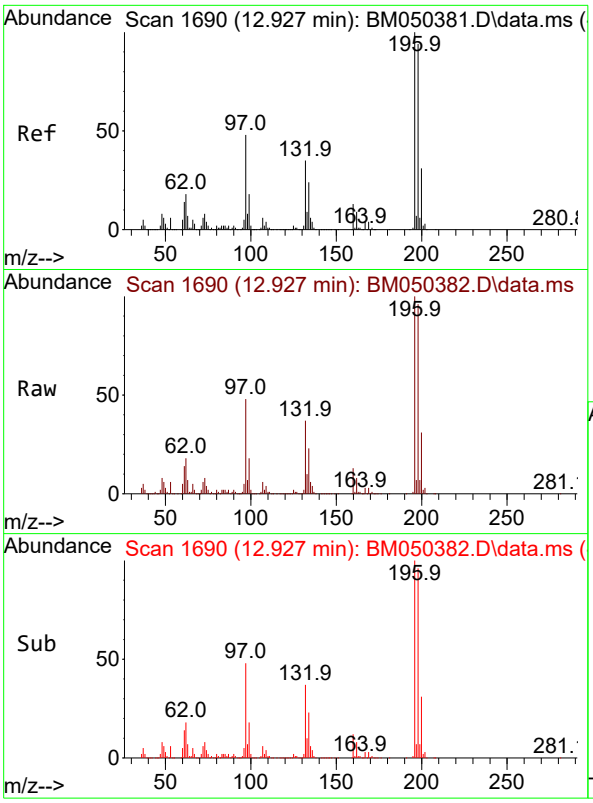



#42
2,4,6-Tribromophenol
Concen: 117.361 ng
RT: 15.974 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:330 Resp: 1246384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.4 | 76.9 | 115.3 |
| 141 | 32.9 | 27.4 | 41.0 |

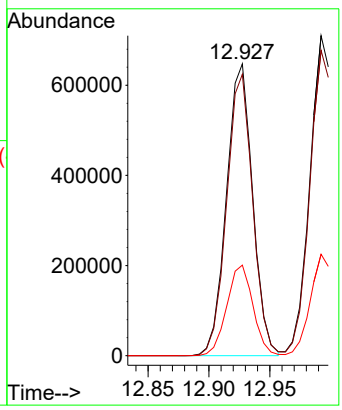





#43
2,4,6-Trichlorophenol
Concen: 56.583 ng
RT: 12.927 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:196 Resp: 96812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.4 | 75.1 | 112.7 |
| 200 | 31.0 | 24.6 | 37.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

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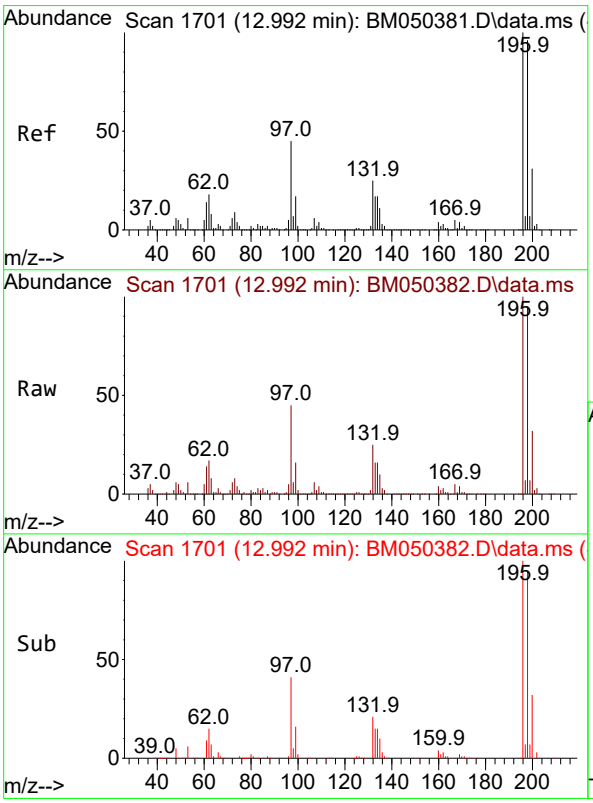
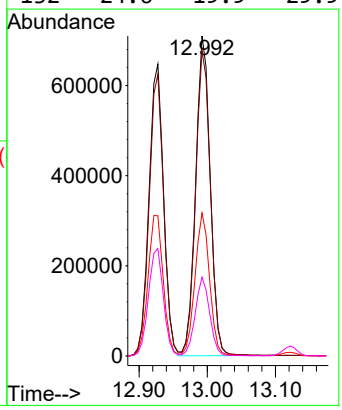
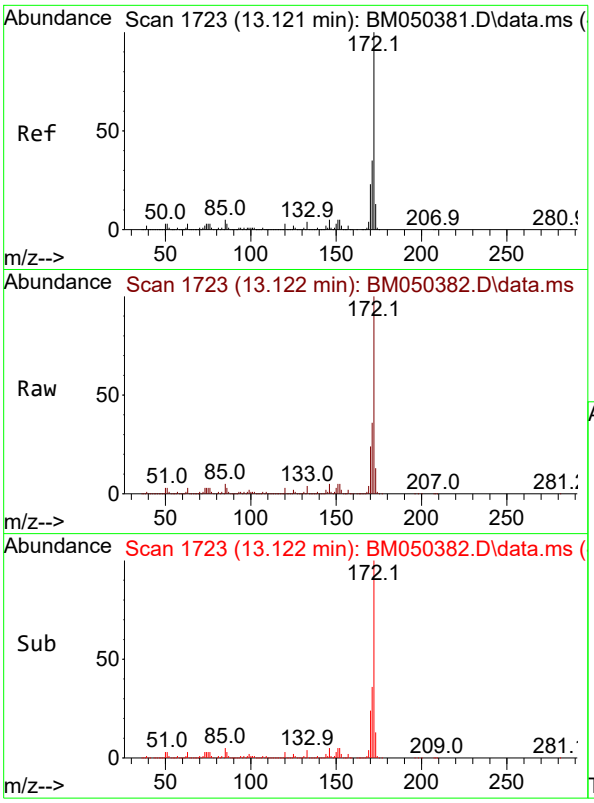



#44
2,4,5-Trichlorophenol
Concen: 56.628 ng
RT: 12.992 min Scan# 1701
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:196 Resp: 1058158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.4 | 77.2 | 115.8 |
| 97 | 44.6 | 36.2 | 54.4 |
| 132 | 24.6 | 19.9 | 29.9 |

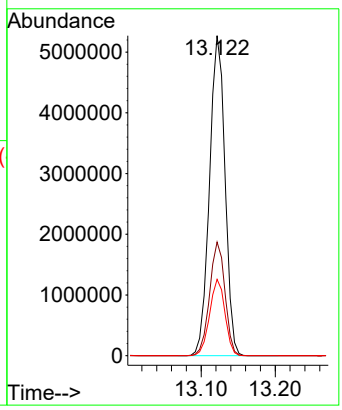





#45
2-Fluorobiphenyl
Concen: 108.218 ng
RT: 13.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:172 Resp: 765962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.5 | 27.7 | 41.5 |
| 170 | 23.9 | 18.8 | 28.2 |




**Instrument :**
BNA_M
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SSTDICC050

**Manual Integrations**
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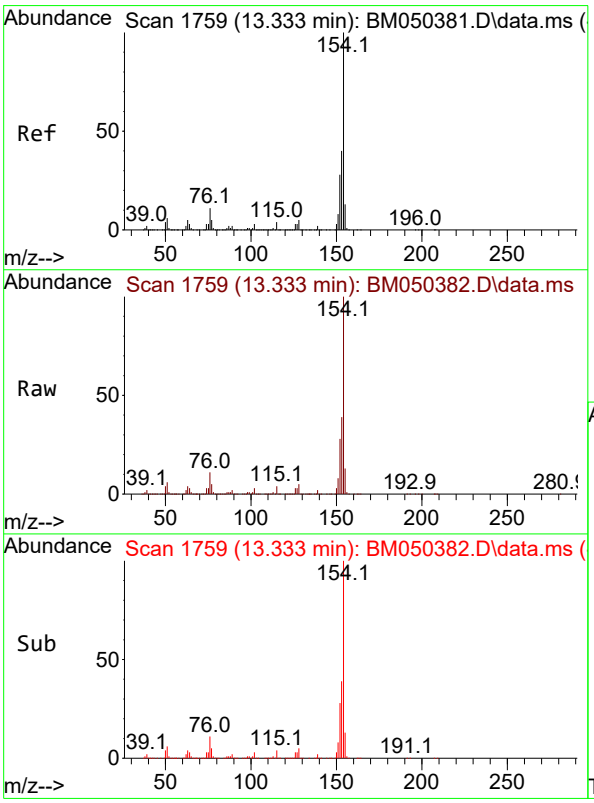
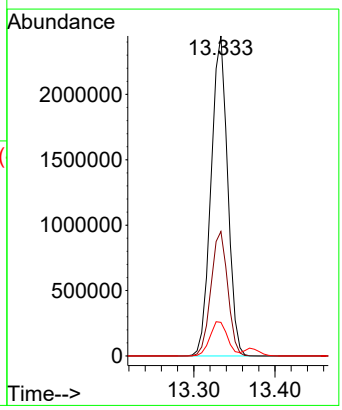
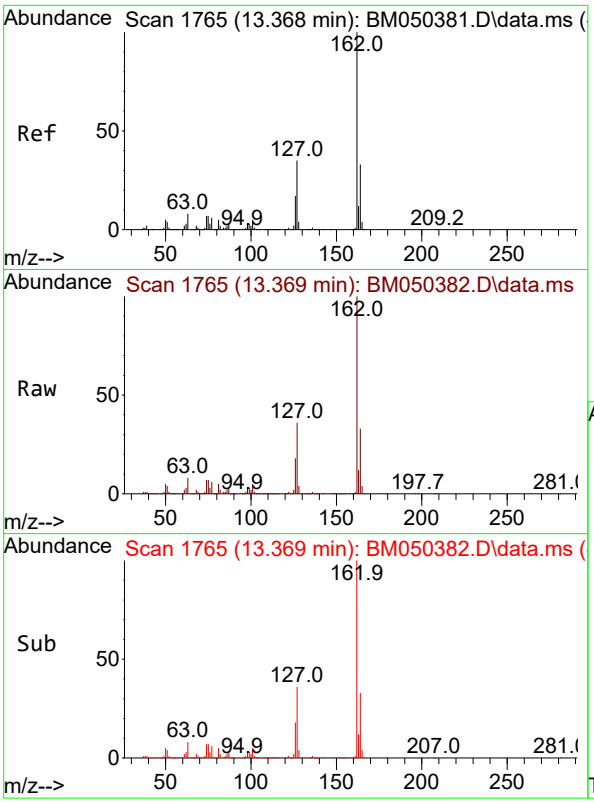



#46
1,1'-Biphenyl
Concen: 53.449 ng
RT: 13.333 min Scan# 1759
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:154 Resp: 3466190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 38.9 | 19.7 | 59.7 |
| 76 | 10.5 | 0.0 | 30.9 |

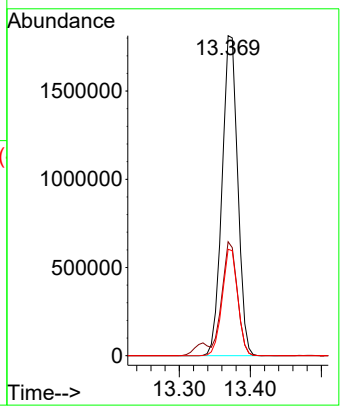





#47
2-Chloronaphthalene
Concen: 53.538 ng
RT: 13.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:162 Resp: 276827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 35.6 | 28.3 | 42.5 |
| 164 | 33.3 | 26.6 | 40.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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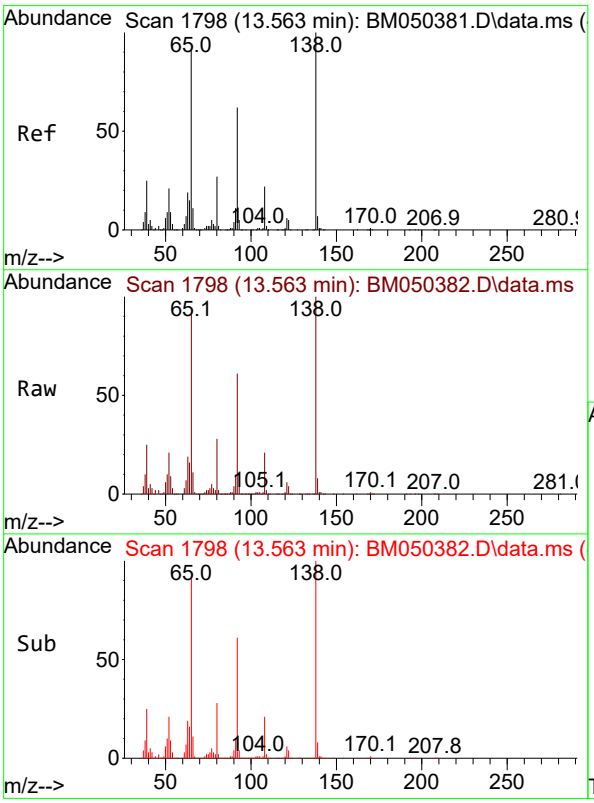
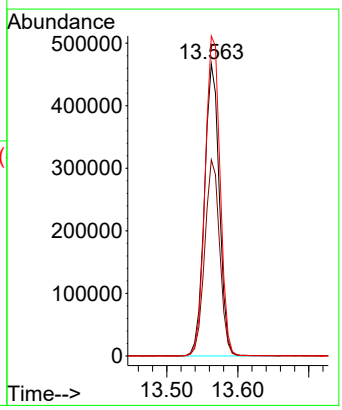
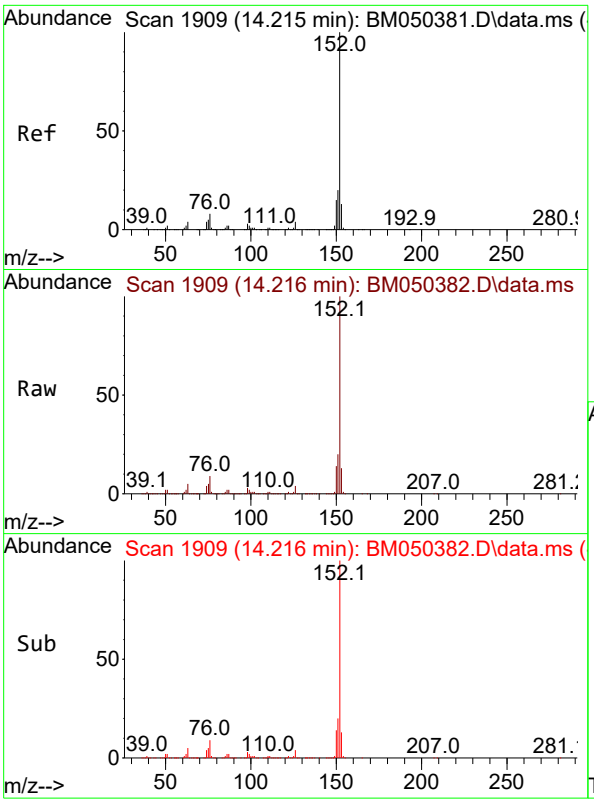



#48
2-Nitroaniline
Concen: 59.115 ng
RT: 13.563 min Scan# 1798
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion: 65 Resp: 682263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 67.2 | 54.3 | 81.5 |
| 138 | 109.6 | 87.8 | 131.6 |

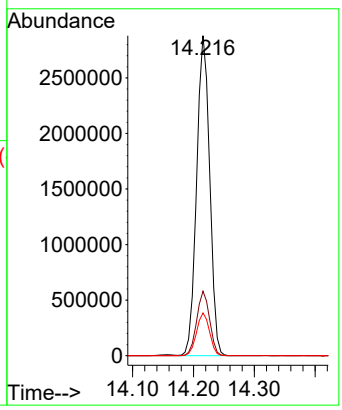





#49
Acenaphthylene
Concen: 54.707 ng
RT: 14.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:152 Resp: 427491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.3 | 24.5 |
| 153 | 13.4 | 10.6 | 15.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

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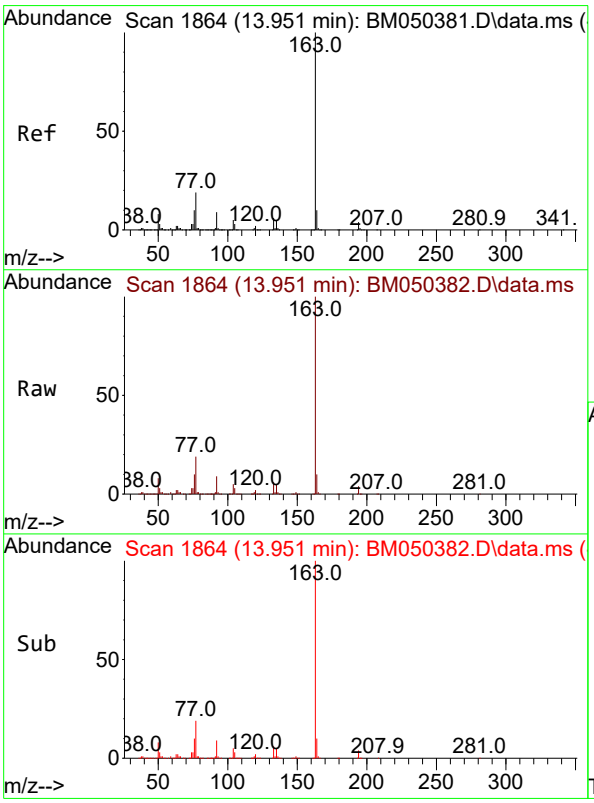
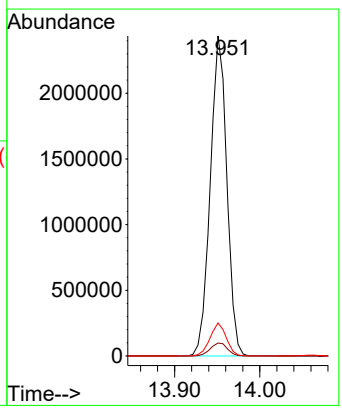
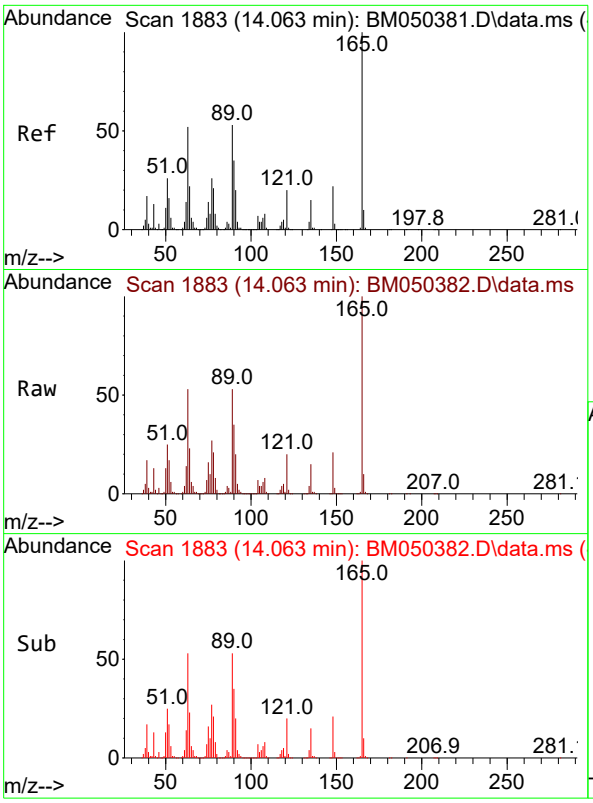



#50
Dimethylphthalate
Concen: 54.681 ng
RT: 13.951 min Scan# 1864
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:163 Resp: 3290612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.4 | 5.2 |
| 164 | 10.3 | 8.2 | 12.2 |

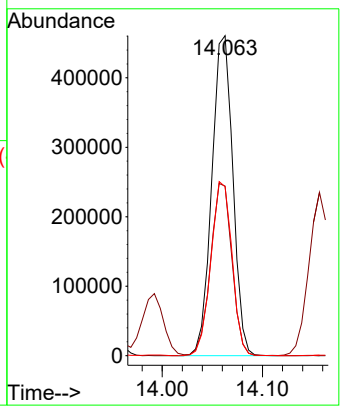





#51
2,6-Dinitrotoluene
Concen: 58.189 ng
RT: 14.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:165 Resp: 67233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 53.0 | 42.4 | 63.6 |
| 89 | 52.8 | 42.2 | 63.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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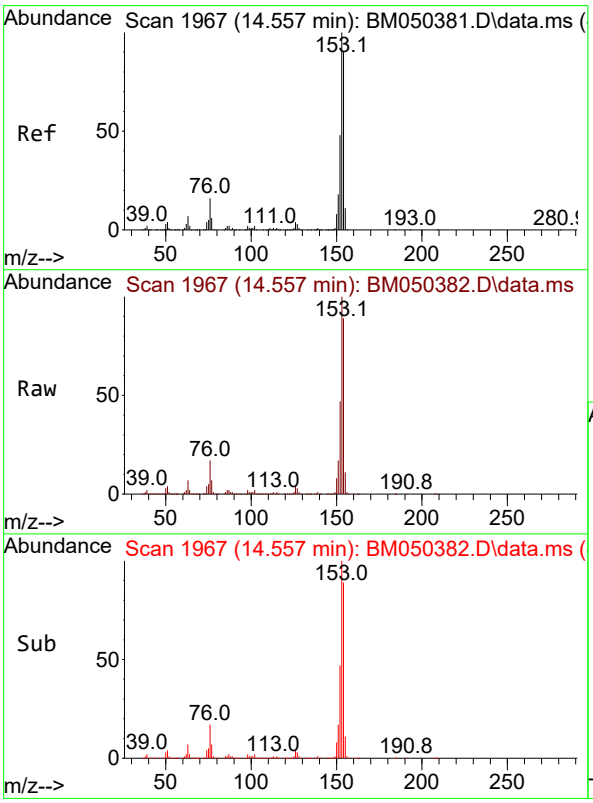
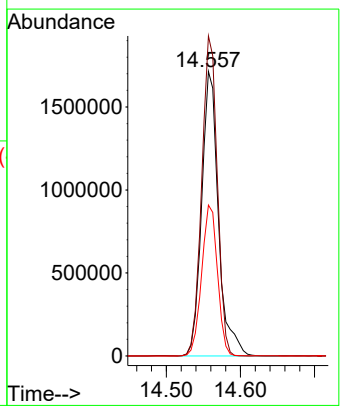
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

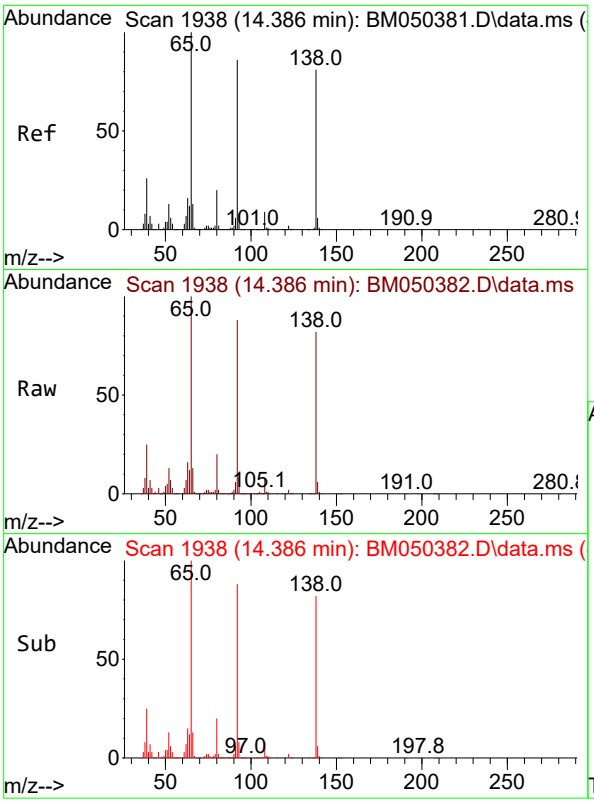



#52
Acenaphthene
Concen: 54.128 ng
RT: 14.557 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:154 Resp: 2689063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.5 | 89.2 | 133.8 |
| 152 | 53.0 | 42.6 | 64.0 |

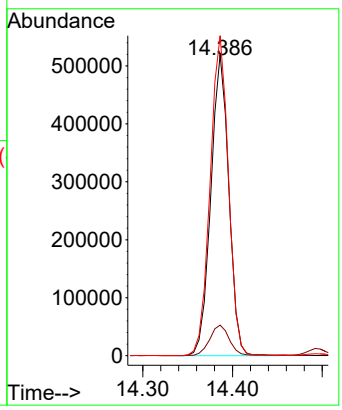





#53
3-Nitroaniline
Concen: 58.770 ng
RT: 14.386 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

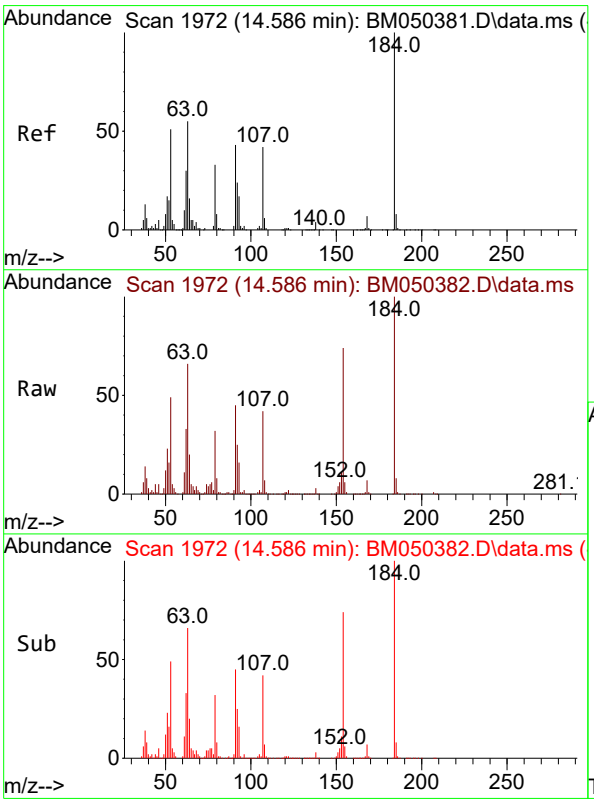
Tgt Ion:138 Resp: 72216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.2 | 8.8 | 13.2 |
| 92 | 106.3 | 85.0 | 127.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

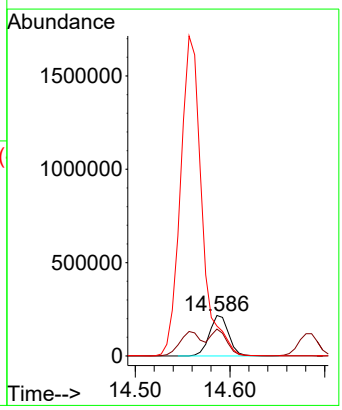
**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

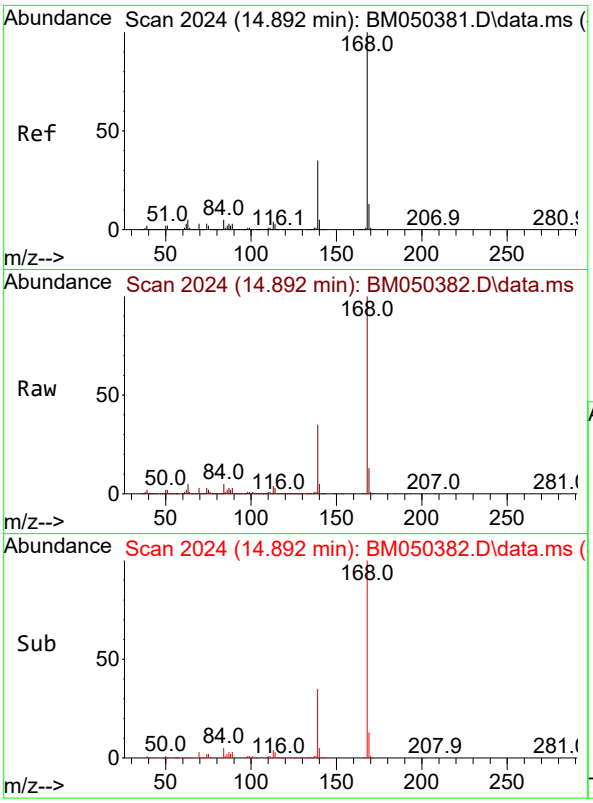



#54
2,4-Dinitrophenol
Concen: 50.427 ng
RT: 14.586 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:184 Resp: 305096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 66.4 | 53.4 | 80.0 |
| 154 | 74.1 | 61.6 | 92.4 |

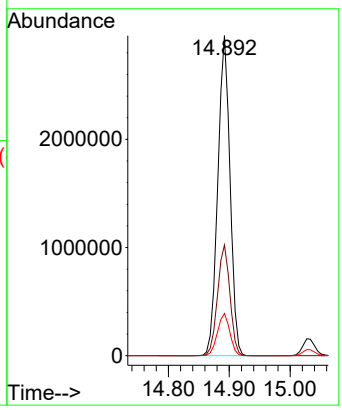





#55
Dibenzofuran
Concen: 53.680 ng
RT: 14.892 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:168 Resp: 410902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 34.6 | 27.7 | 41.5 |
| 169 | 13.2 | 10.7 | 16.1 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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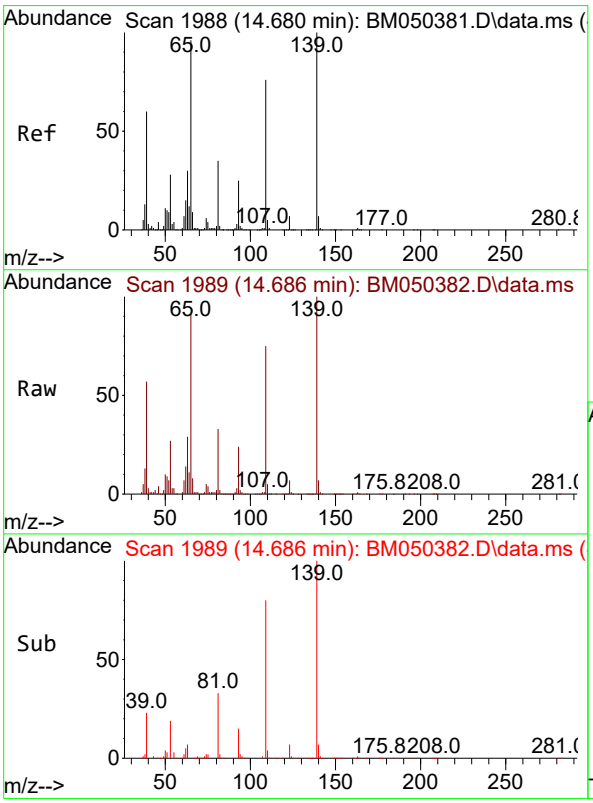
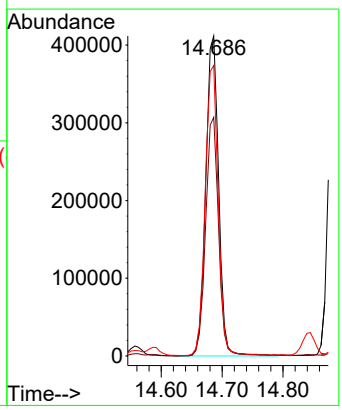
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

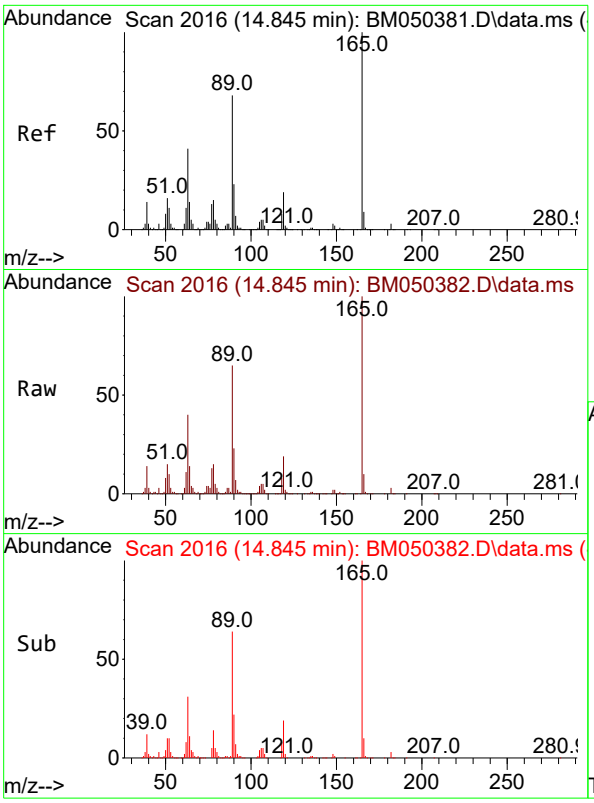



#56
4-Nitrophenol
Concen: 57.060 ng
RT: 14.686 min Scan# 1989
Delta R.T. 0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:139 Resp: 602964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 74.6 | 56.5 | 96.5 |
| 65 | 90.7 | 76.4 | 116.4 |

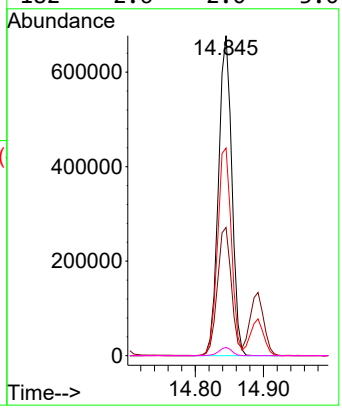





#57
2,4-Dinitrotoluene
Concen: 53.047 ng
RT: 14.845 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:165 Resp: 92280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 40.1 | 32.5 | 48.7 |
| 89 | 64.9 | 54.0 | 81.0 |
| 182 | 2.6 | 2.0 | 3.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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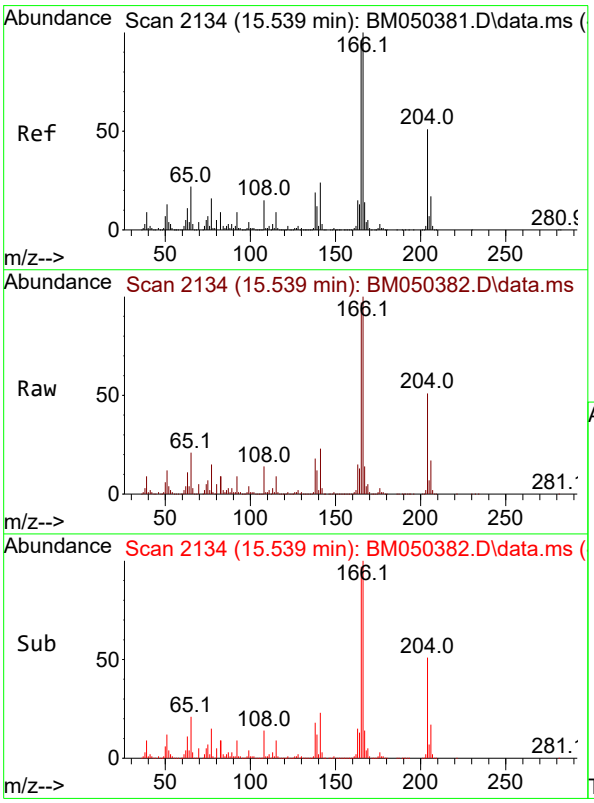
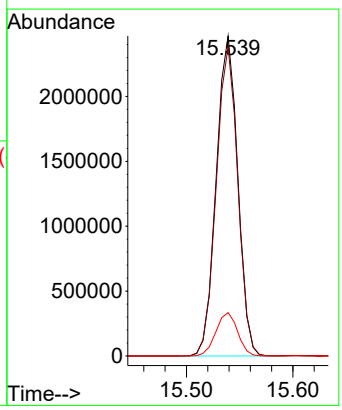
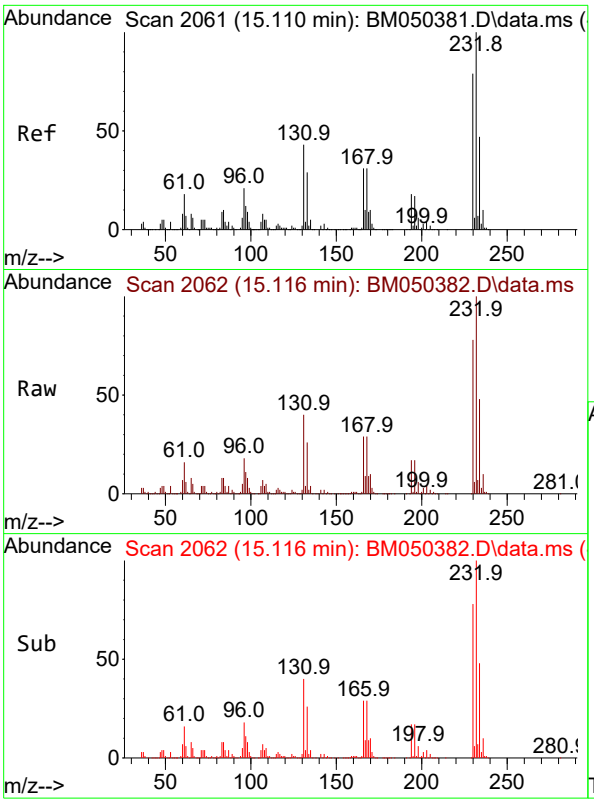



#58
Fluorene
Concen: 54.837 ng
RT: 15.539 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:166 Resp: 3457484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.6 | 77.0 | 115.6 |
| 167 | 13.5 | 10.9 | 16.3 |

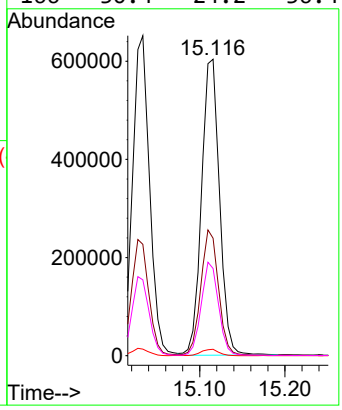





#59
2,3,4,6-Tetrachlorophenol
Concen: 56.275 ng
RT: 15.116 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:232 Resp: 88519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 42.0 | 33.4 | 50.0 |
| 130 | 2.2 | 1.8 | 2.6 |
| 166 | 30.4 | 24.2 | 36.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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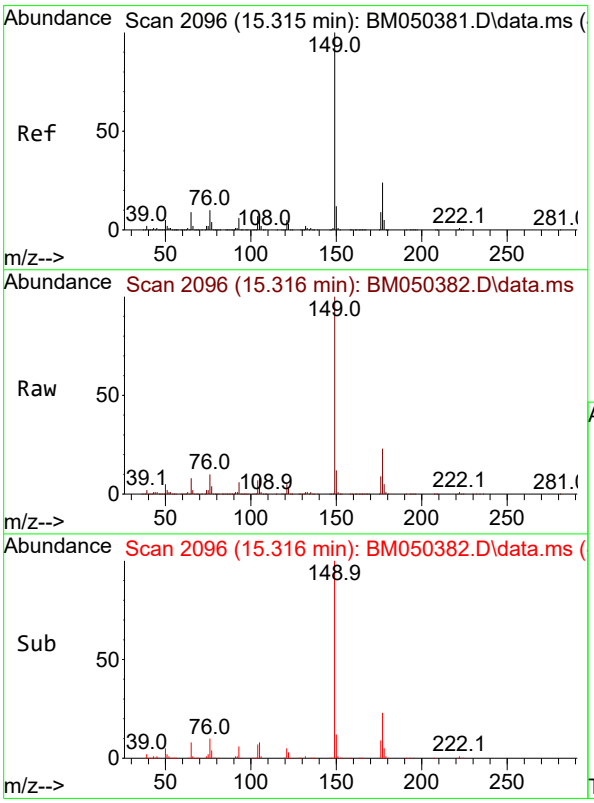
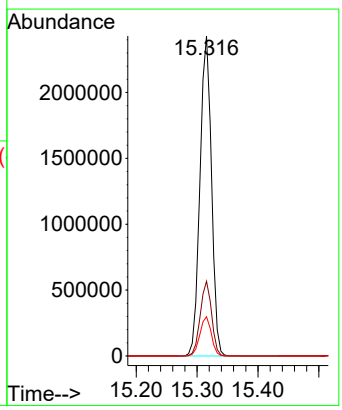
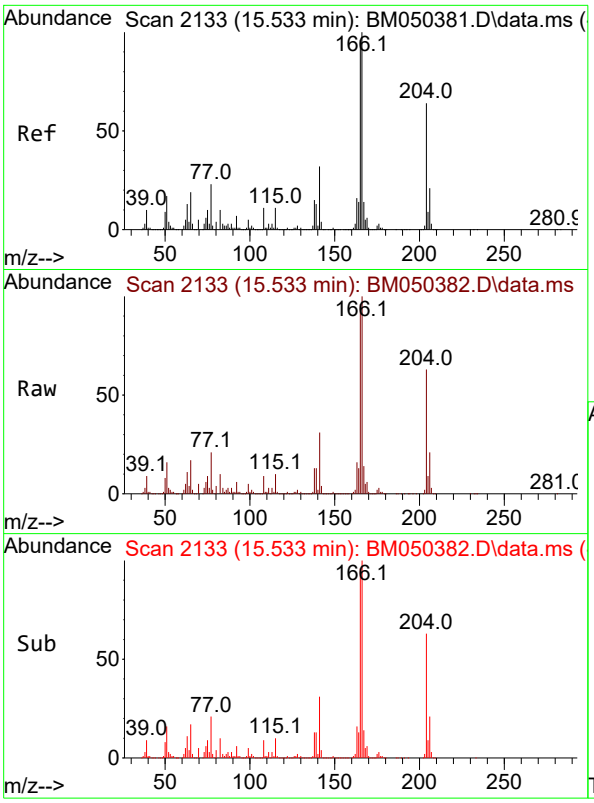



#60
Diethylphthalate
Concen: 55.265 ng
RT: 15.316 min Scan# 2096
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:149 Resp: 3176896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 23.4 | 18.8 | 28.2 |
| 150 | 12.3 | 9.8 | 14.8 |

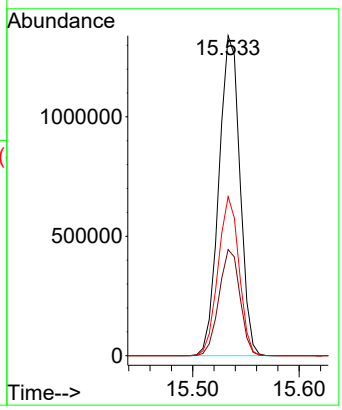





#61
4-Chlorophenyl-phenylether
Concen: 55.637 ng
RT: 15.533 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:204 Resp: 183424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.2 | 26.6 | 39.8 |
| 141 | 49.7 | 39.9 | 59.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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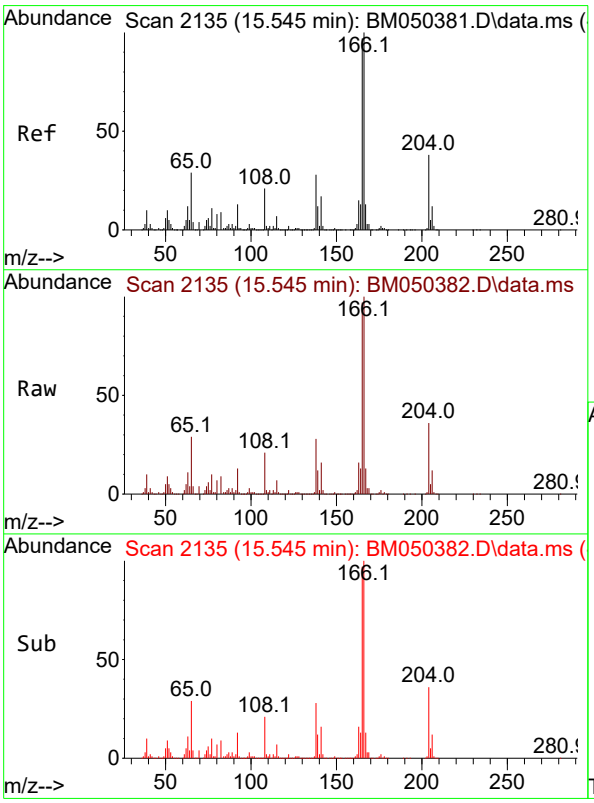
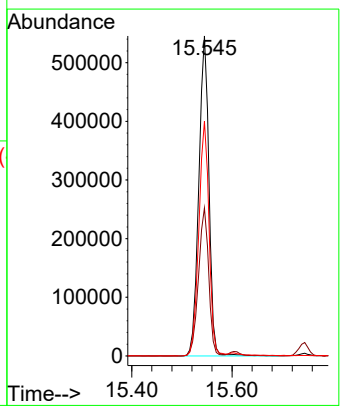
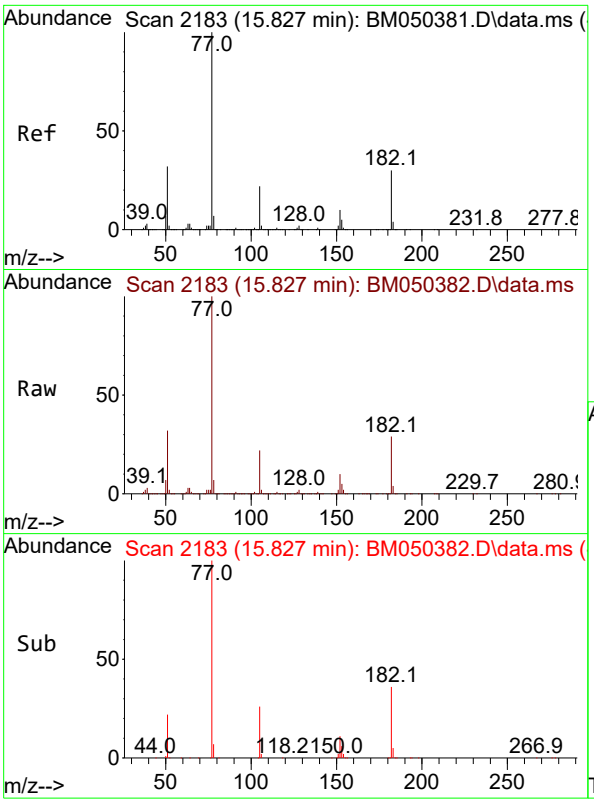



#62
4-Nitroaniline
Concen: 53.869 ng
RT: 15.545 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:138 Resp: 765716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 46.2 | 24.5 | 64.5 |
| 108 | 73.4 | 52.5 | 92.5 |

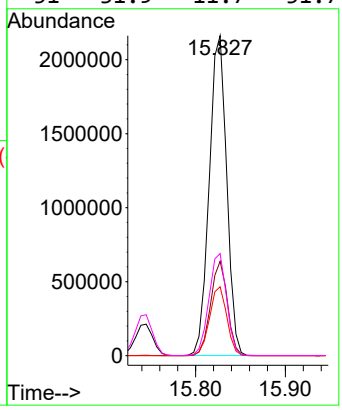





#63
Azobenzene
Concen: 55.274 ng
RT: 15.827 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion: 77 Resp: 291764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 29.5 | 10.0 | 50.0 |
| 105 | 21.6 | 2.0 | 42.0 |
| 51 | 31.9 | 11.7 | 51.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

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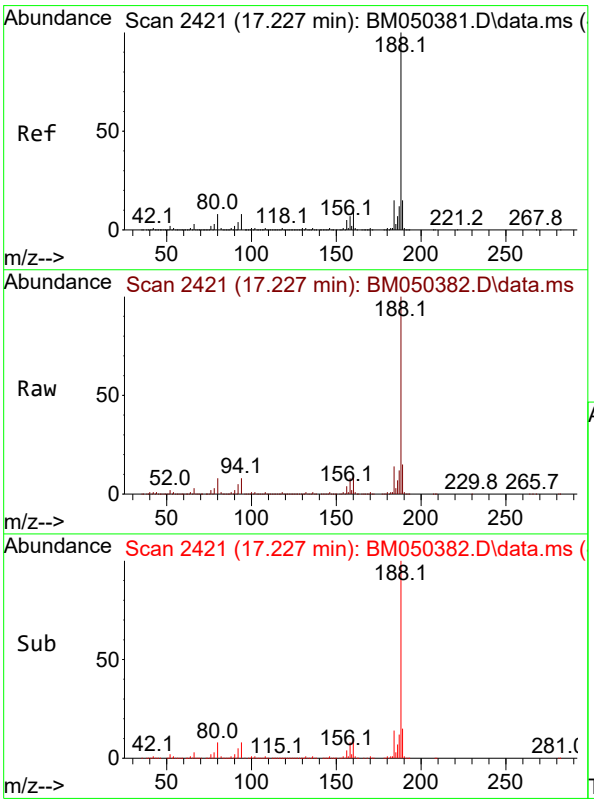
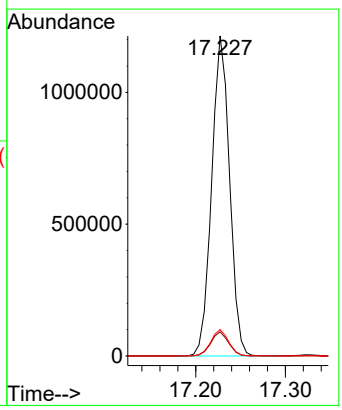
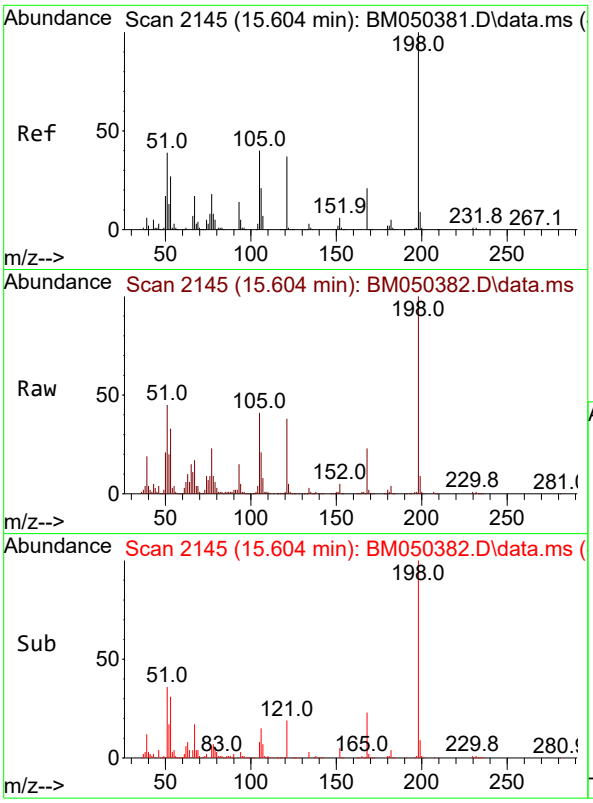



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2421
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:188 Resp: 1680679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.5 | 6.0 | 9.0 |
| 80 | 8.3 | 6.5 | 9.7 |






#65
4,6-Dinitro-2-methylphenol
Concen: 50.395 ng
RT: 15.604 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:198 Resp: 45870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 45.0 | 26.6 | 66.6 |
| 105 | 40.6 | 20.9 | 60.9 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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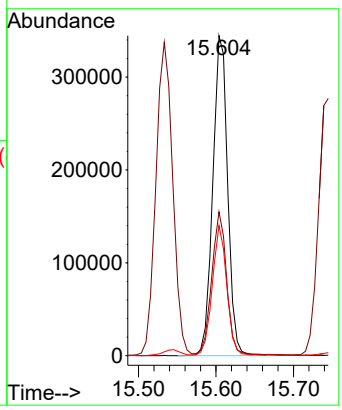
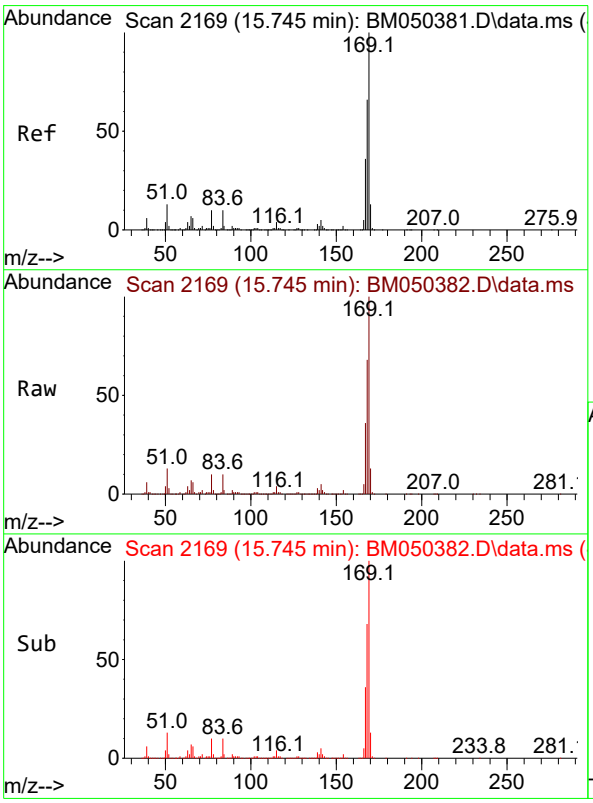
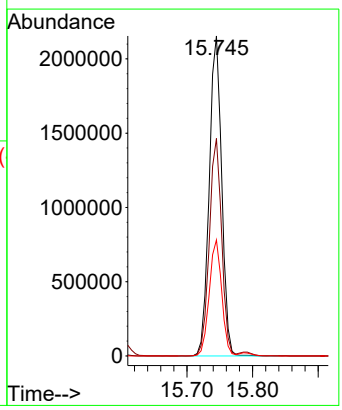


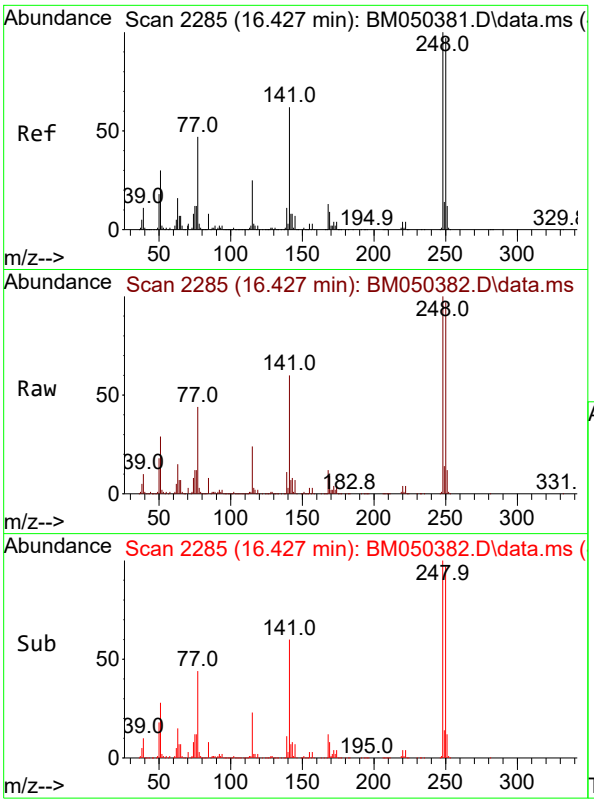




#66
n-Nitrosodiphenylamine
Concen: 54.137 ng
RT: 15.745 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:169 Resp: 2847134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.9 | 53.2 | 79.8 |
| 167 | 36.3 | 28.7 | 43.1 |

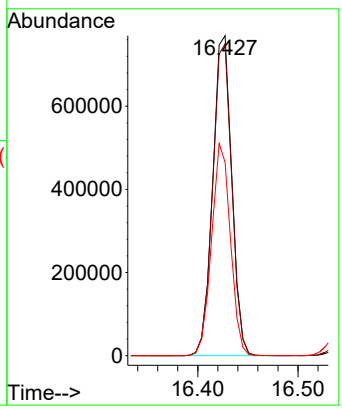





#67
4-Bromophenyl-phenylether
Concen: 54.881 ng
RT: 16.427 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:248 Resp: 101624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.4 | 77.9 | 116.9 |
| 141 | 60.5 | 49.7 | 74.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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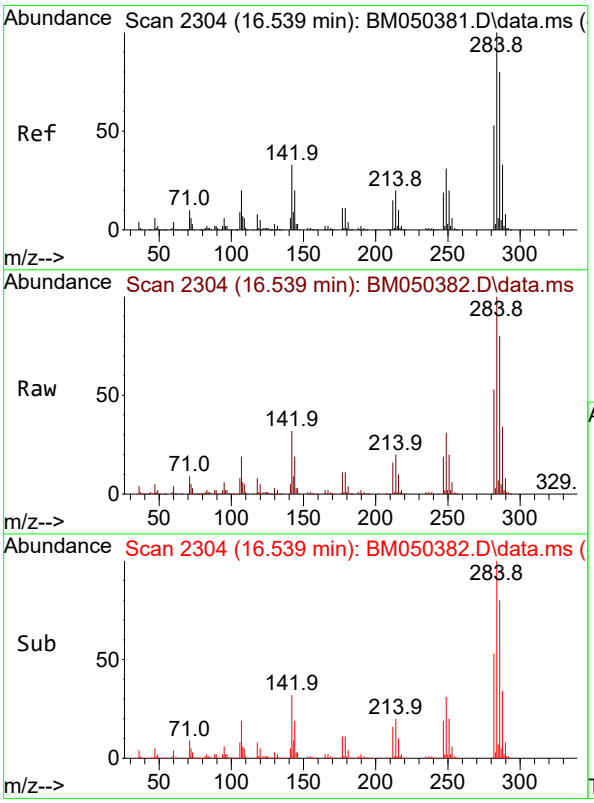
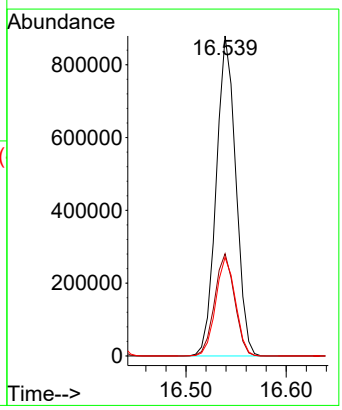
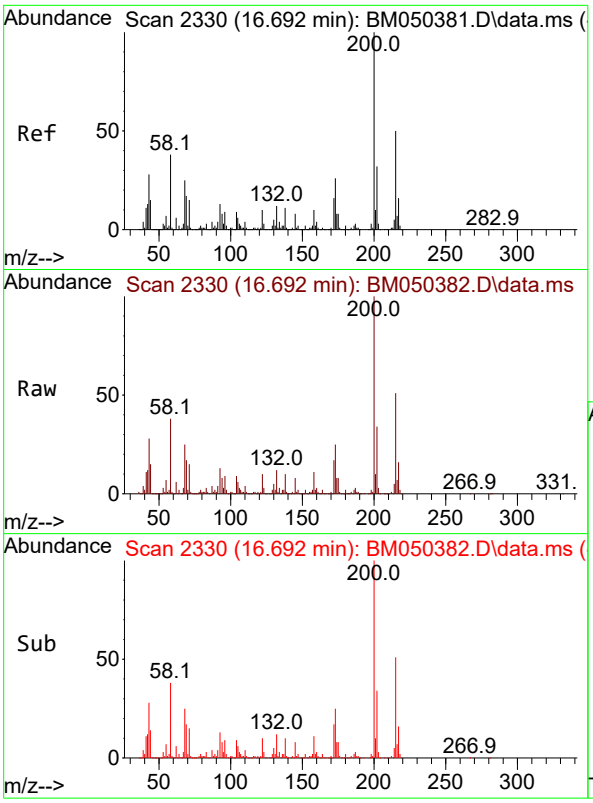



#68
Hexachlorobenzene
Concen: 54.420 ng
RT: 16.539 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:284 Resp: 1190183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.0 | 26.8 | 40.2 |
| 249 | 30.8 | 24.5 | 36.7 |

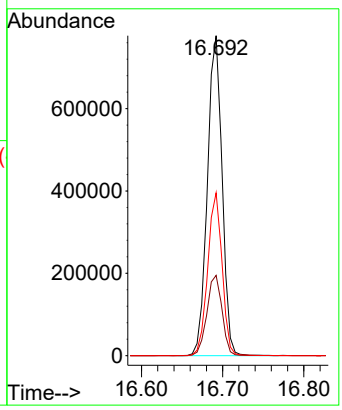





#69
Atrazine
Concen: 56.502 ng
RT: 16.692 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:200 Resp: 97574

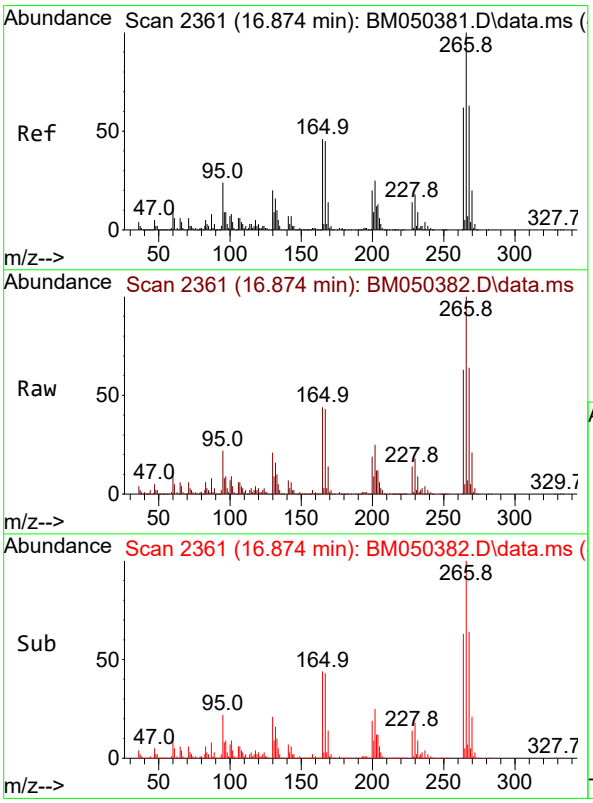
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.1 | 5.6 | 45.6 |
| 215 | 50.9 | 29.6 | 69.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations APPROVED**

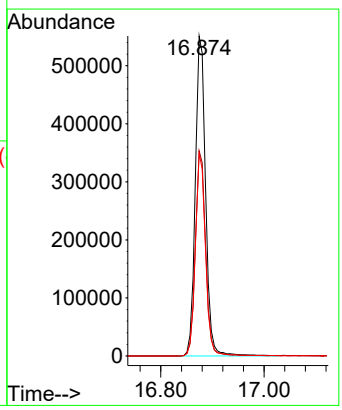
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

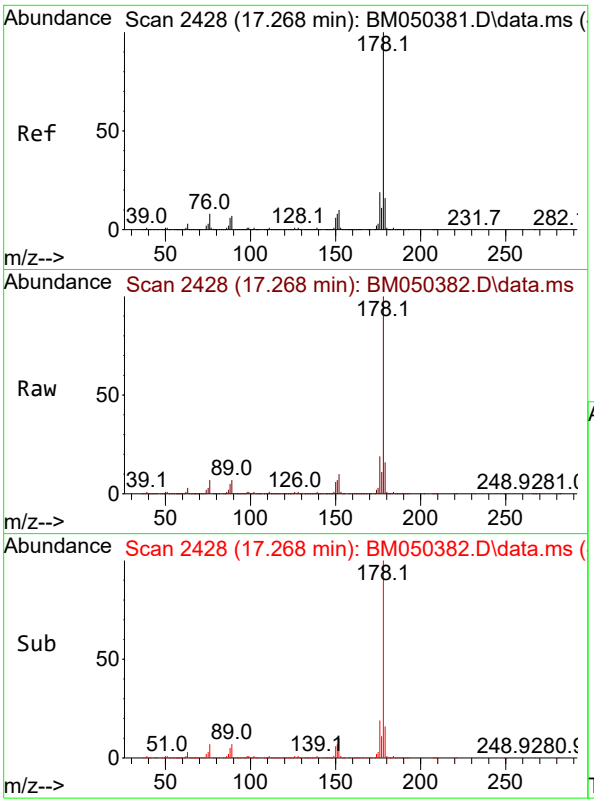



#70
Pentachlorophenol
Concen: 55.986 ng
RT: 16.874 min Scan# 2361
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:266 Resp: 762216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.1 | 50.5 | 75.7 |
| 264 | 63.4 | 49.9 | 74.9 |

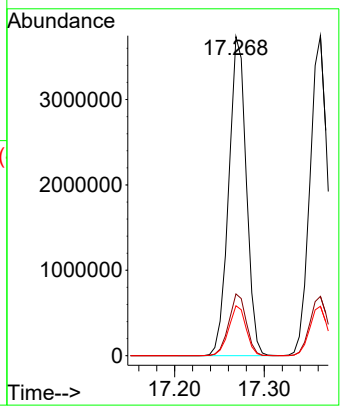





#71
Phenanthrene
Concen: 53.293 ng
RT: 17.268 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:178 Resp: 506828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 15.4 | 23.0 |
| 179 | 15.6 | 12.5 | 18.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

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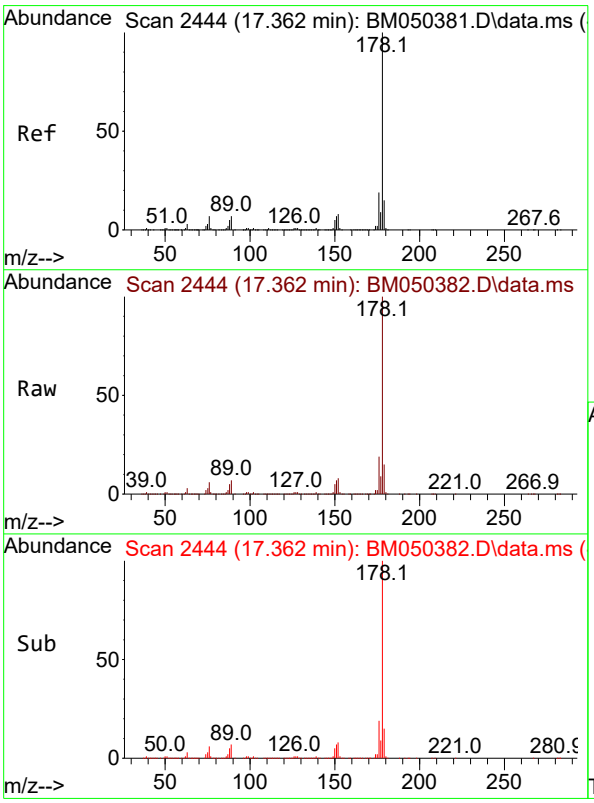
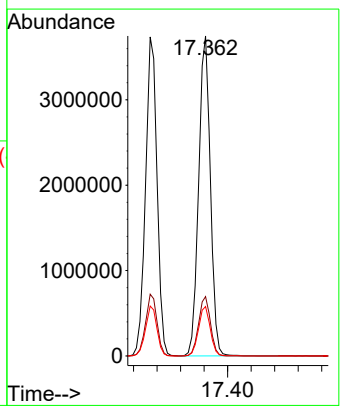
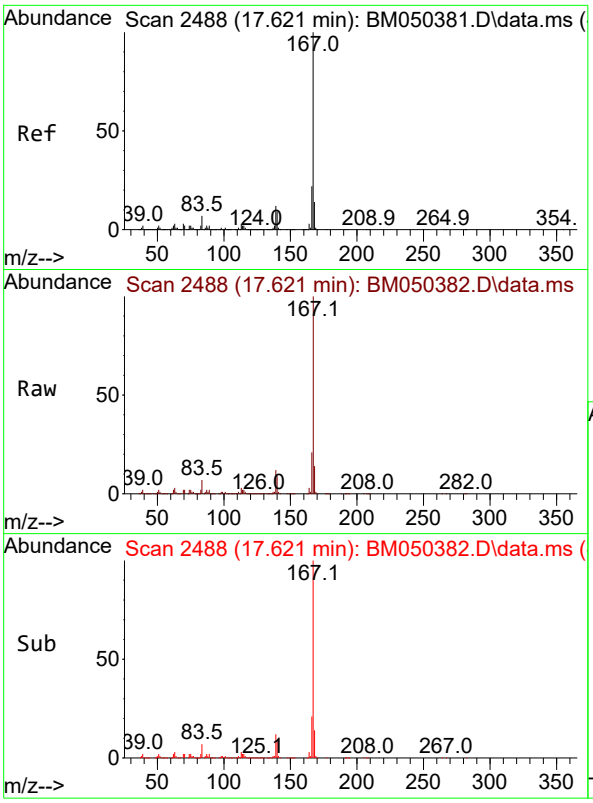



#72
Anthracene
Concen: 54.717 ng
RT: 17.362 min Scan# 2444
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:178 Resp: 5179830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 14.9 | 22.3 |
| 179 | 15.5 | 12.2 | 18.4 |

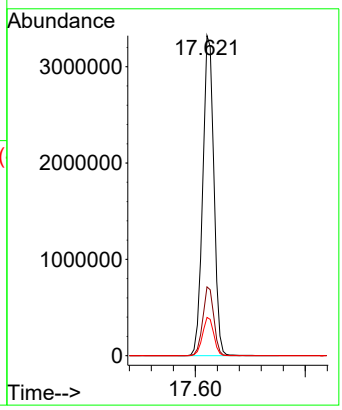





#73
Carbazole
Concen: 54.372 ng
RT: 17.621 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:167 Resp: 465723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.5 | 17.2 | 25.8 |
| 139 | 12.0 | 9.9 | 14.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

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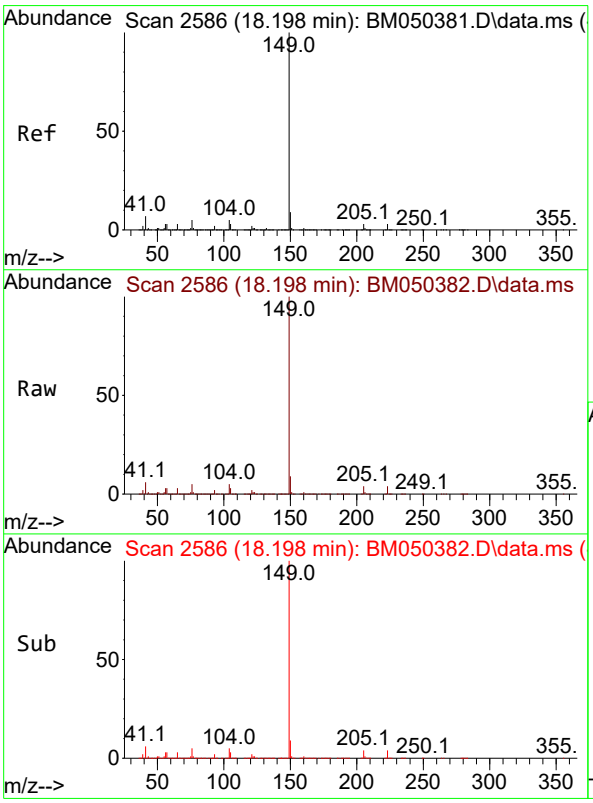
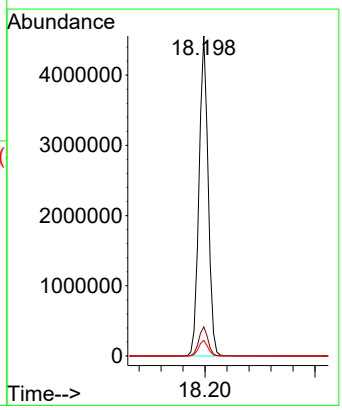
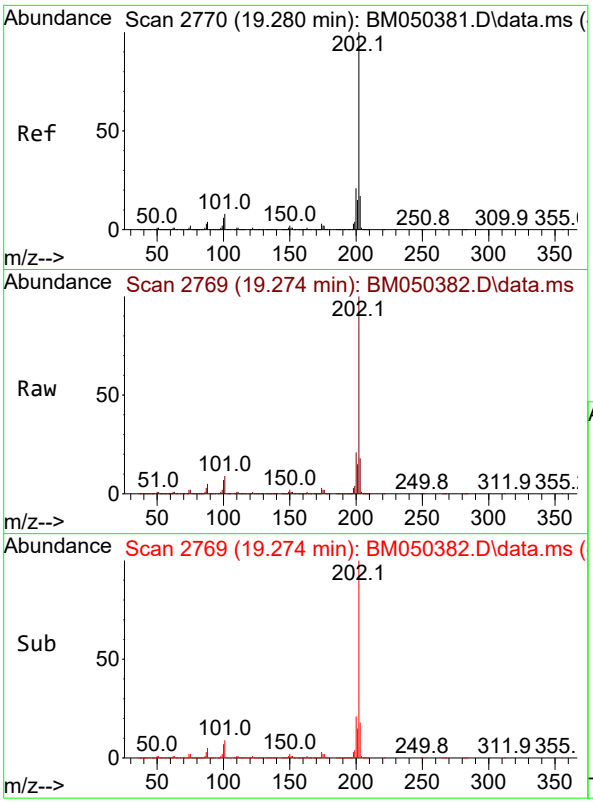



#74
Di-n-butylphthalate
Concen: 56.091 ng
RT: 18.198 min Scan# 2586
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:149 Resp: 5258750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.3 | 10.9 |
| 104 | 4.8 | 3.9 | 5.9 |






#75
Fluoranthene
Concen: 55.500 ng
RT: 19.274 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:202 Resp: 573794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.1 | 0.0 | 28.3 |
| 203 | 17.7 | 0.0 | 37.2 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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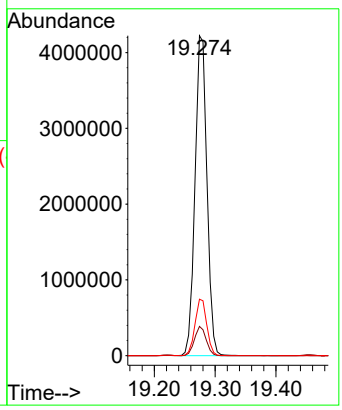
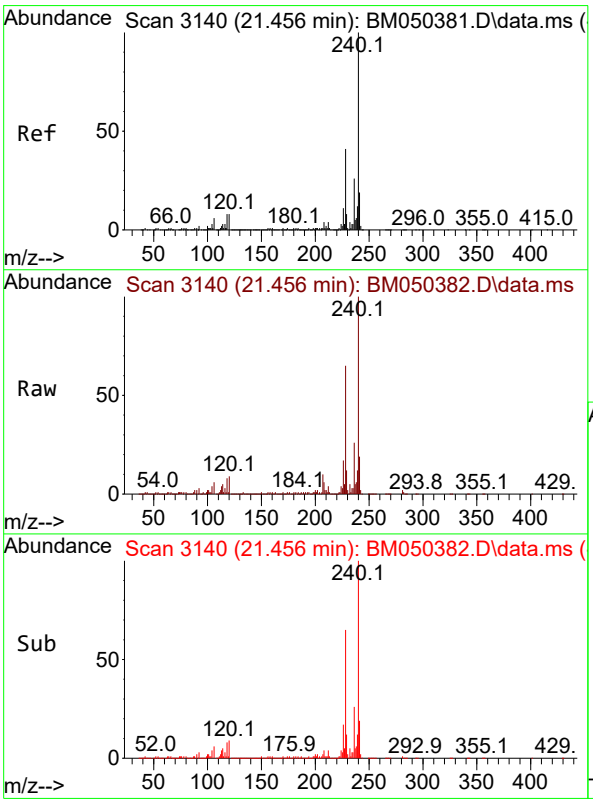
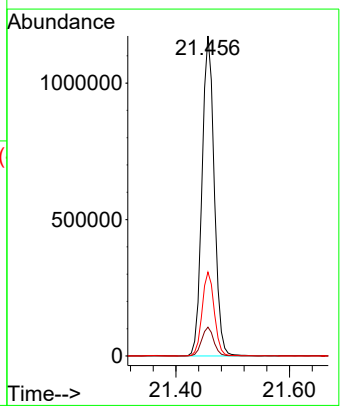


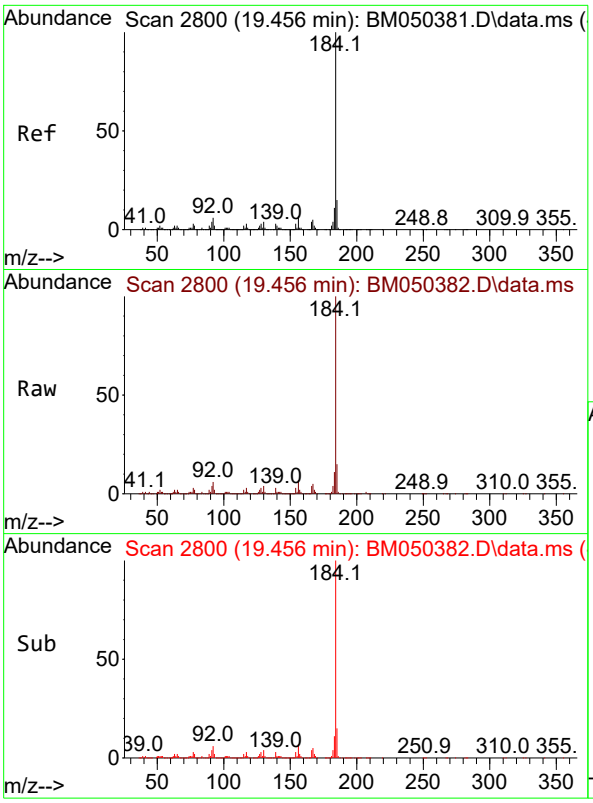




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.456 min Scan# 3140
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:240 Resp: 1747476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.0 | 6.7 | 10.1 |
| 236 | 26.2 | 20.7 | 31.1 |

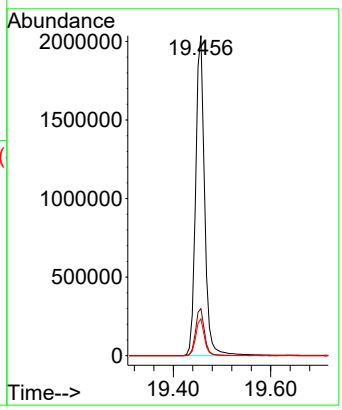





#77
Benzidine
Concen: 58.920 ng
RT: 19.456 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:184 Resp: 262617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.7 | 11.7 | 17.5 |
| 183 | 11.5 | 9.0 | 13.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

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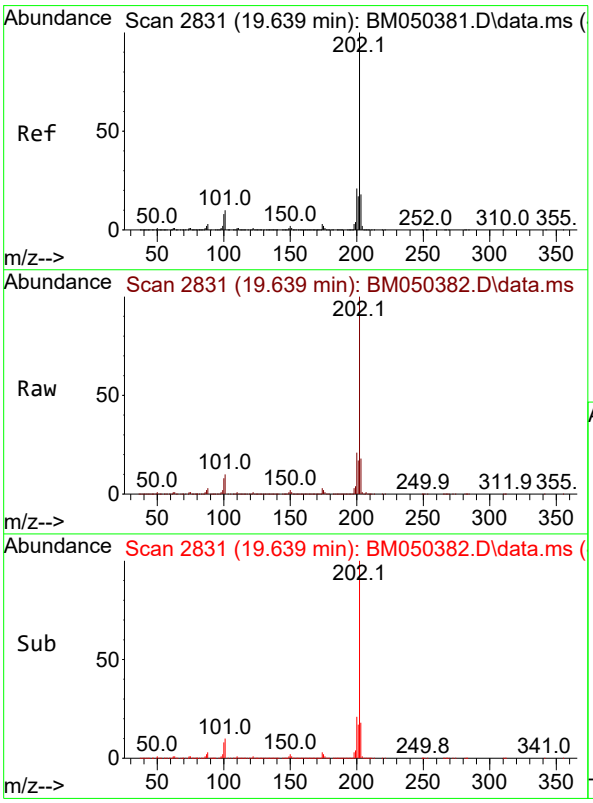
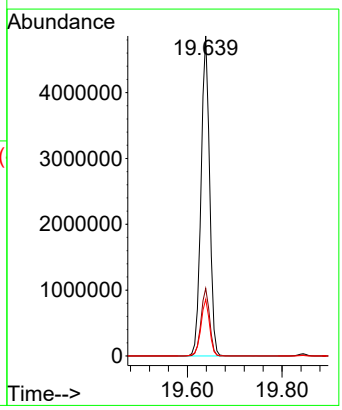
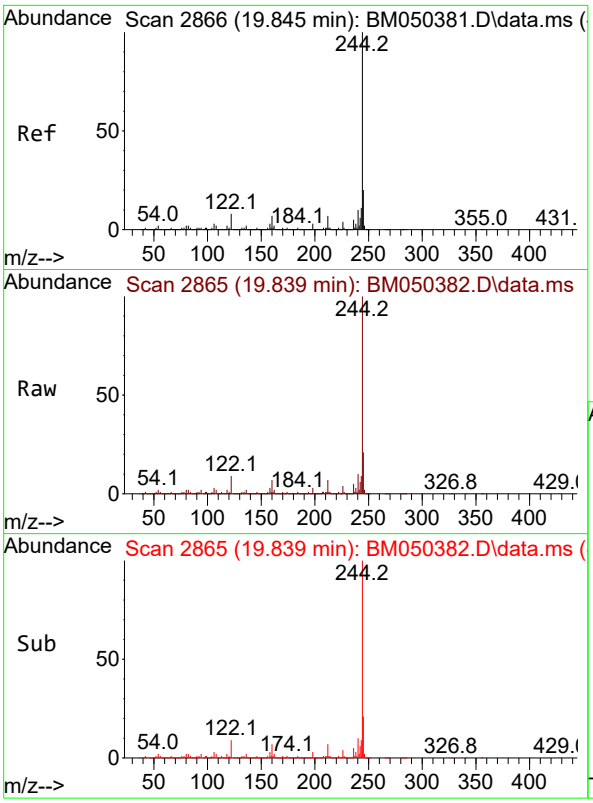



#78
Pyrene
Concen: 54.187 ng
RT: 19.639 min Scan# 2831
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:202 Resp: 6064476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 16.9 | 25.3 |
| 203 | 17.7 | 14.1 | 21.1 |

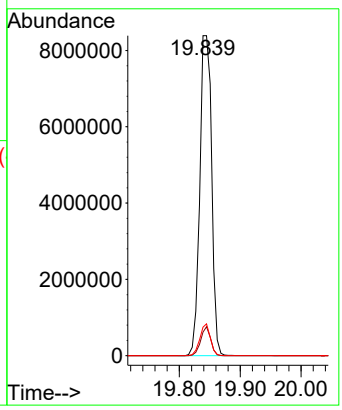





#79
Terphenyl-d14
Concen: 114.147 ng
RT: 19.839 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:244 Resp:1133698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.3 | 5.7 | 8.5 |
| 122 | 8.9 | 6.2 | 9.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

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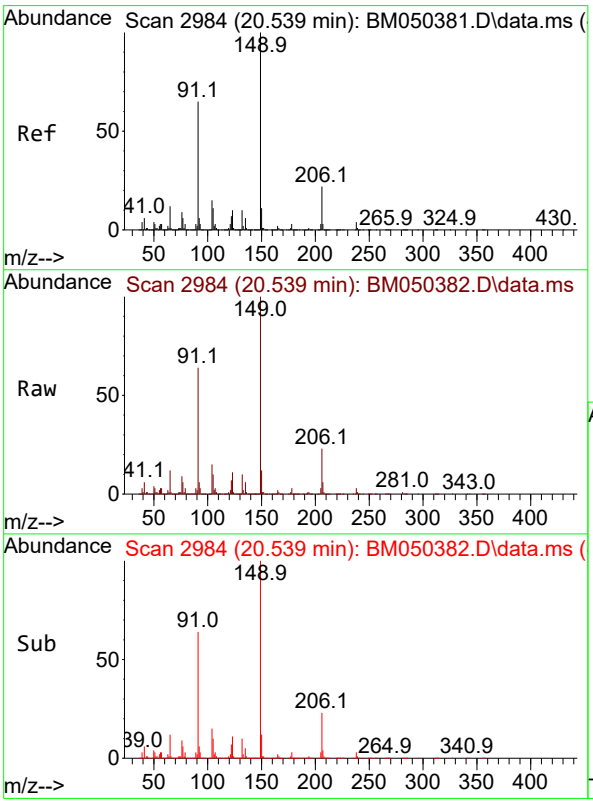
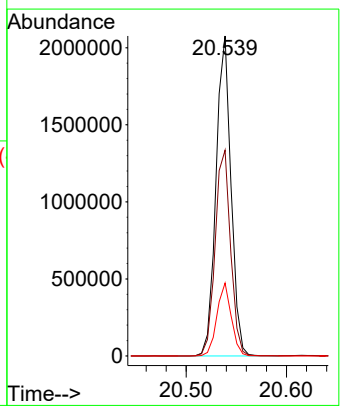
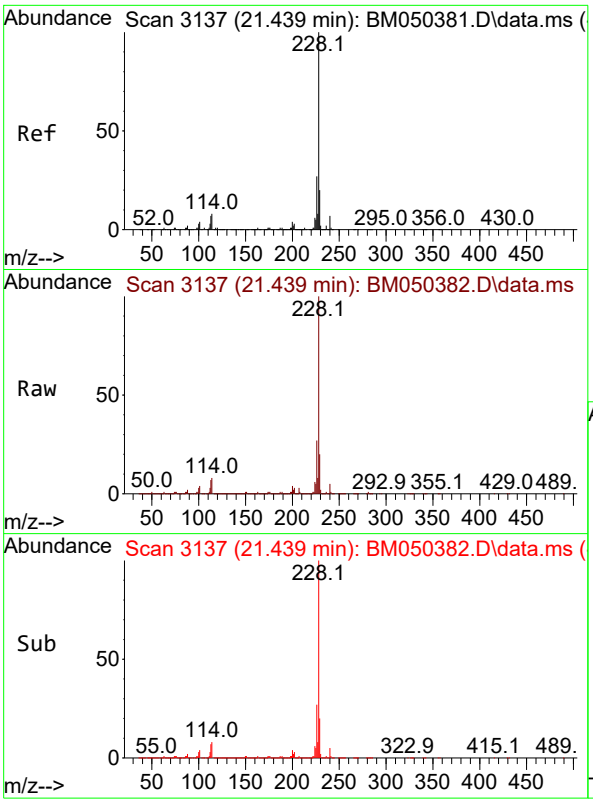



#80
Butylbenzylphthalate
Concen: 58.284 ng
RT: 20.539 min Scan# 2984
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:149 Resp: 2150816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 64.3 | 51.6 | 77.4 |
| 206 | 22.8 | 17.8 | 26.8 |






#81
Benzo(a)anthracene
Concen: 54.793 ng
RT: 21.439 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:228 Resp: 623873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.4 | 21.8 | 32.8 |
| 229 | 19.6 | 16.0 | 24.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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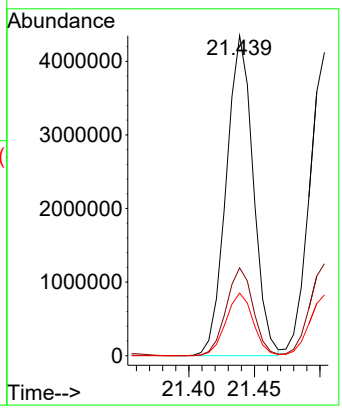
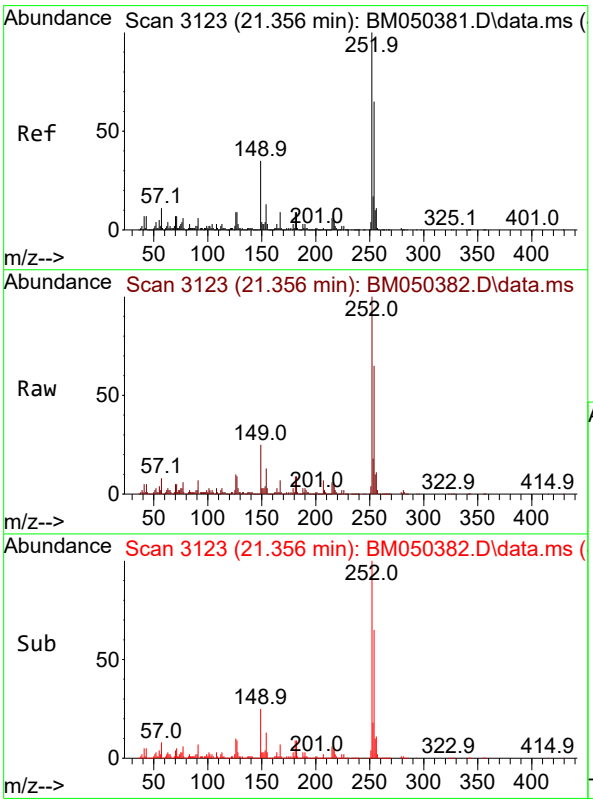
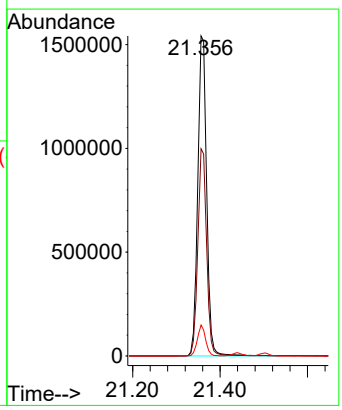


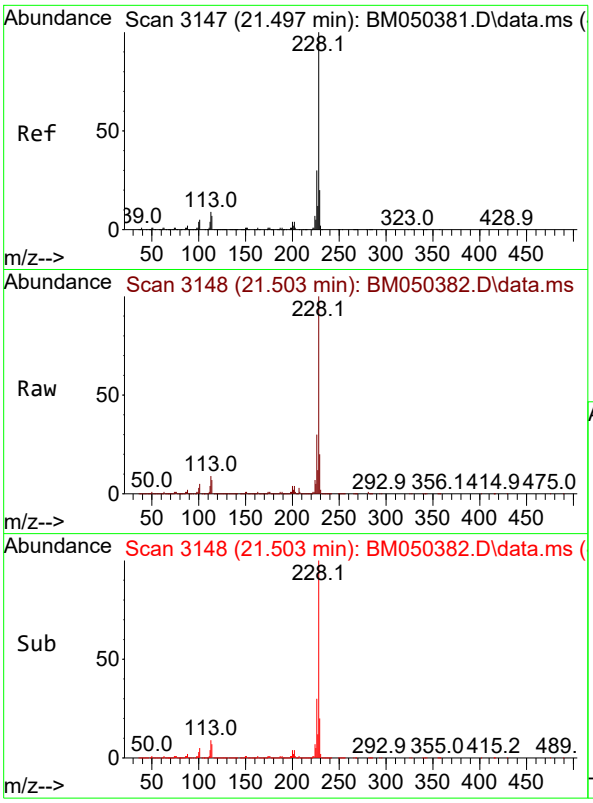




#82
3,3'-Dichlorobenzidine
Concen: 56.690 ng
RT: 21.356 min Scan# 3123
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:252 Resp: 2176770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.8 | 51.7 | 77.5 |
| 126 | 9.6 | 7.3 | 10.9 |

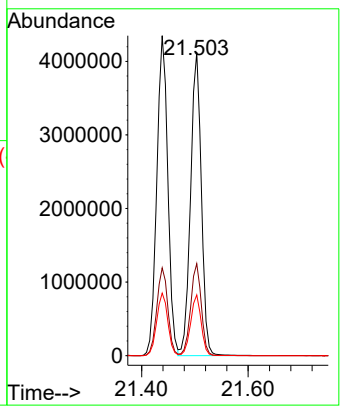





#83
Chrysene
Concen: 53.988 ng
RT: 21.503 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:228 Resp: 579798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 24.2 | 36.4 |
| 229 | 20.1 | 15.8 | 23.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

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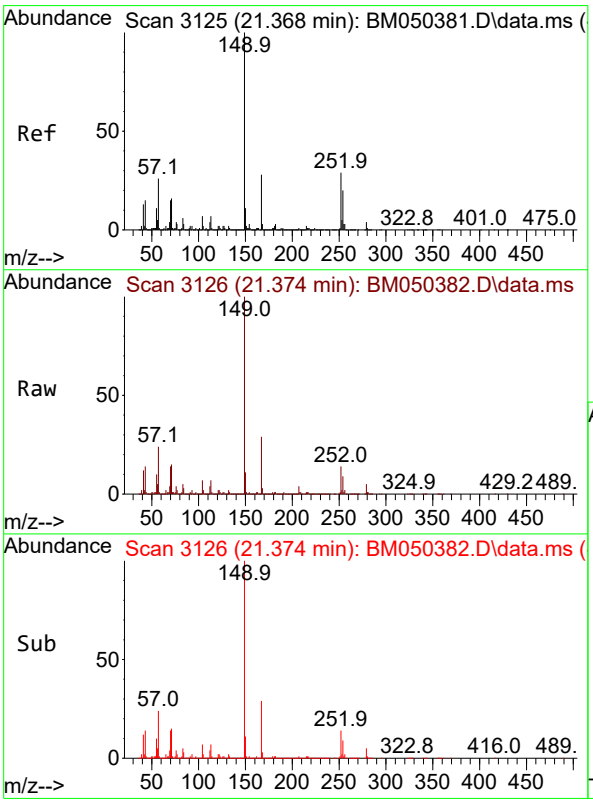
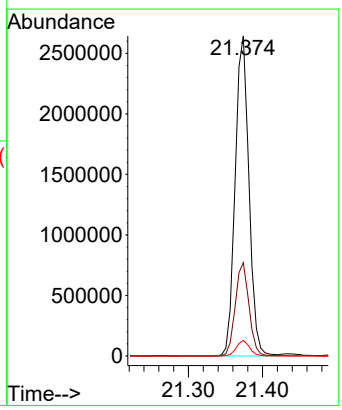
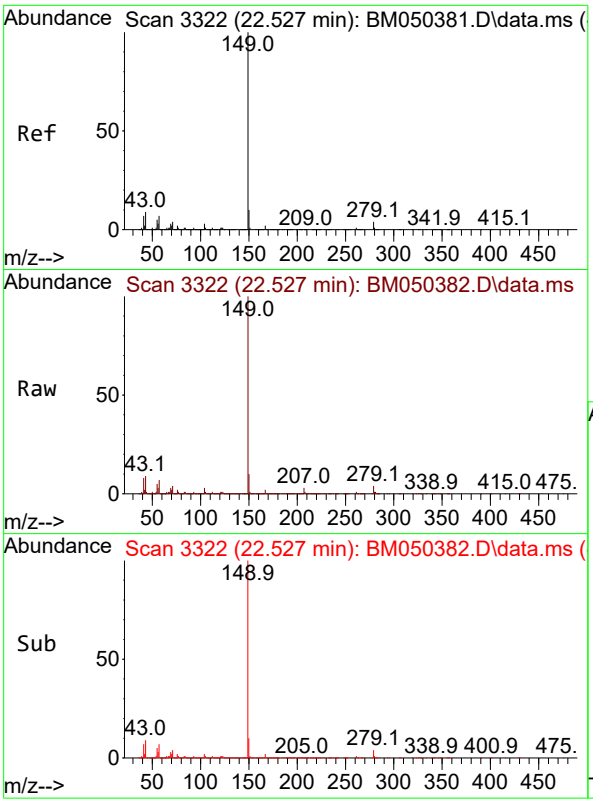



#84
Bis(2-ethylhexyl)phthalate
Concen: 58.166 ng
RT: 21.374 min Scan# 3126
Delta R.T. 0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:149 Resp: 3407481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 29.2 | 22.7 | 34.1 |
| 279 | 4.9 | 3.5 | 5.3 |

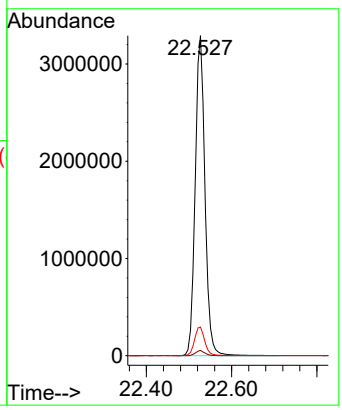





#85
Di-n-octyl phthalate
Concen: 56.816 ng
RT: 22.527 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:149 Resp: 521302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.4 | 7.7 | 11.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
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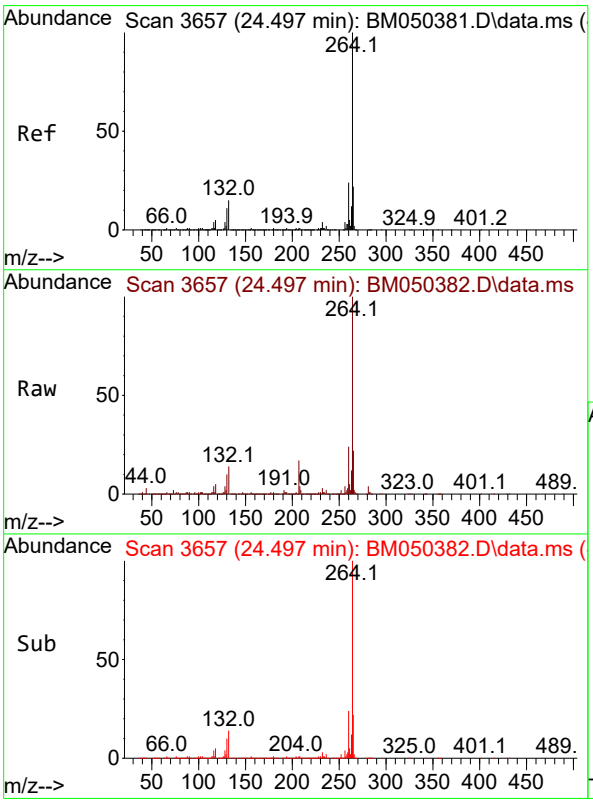
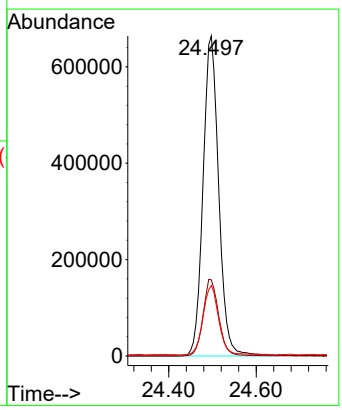
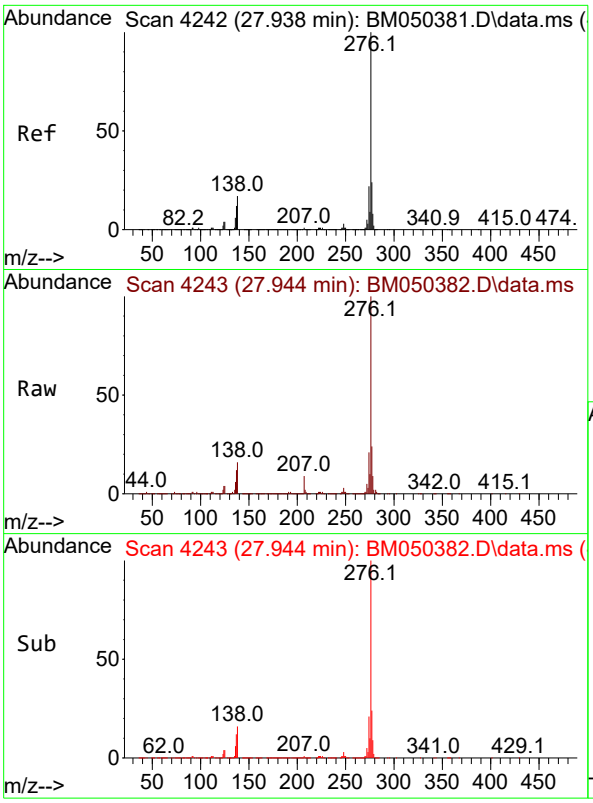



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.497 min Scan# 3657
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:264 Resp: 1657543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 19.2 | 28.8 |
| 265 | 22.0 | 17.8 | 26.6 |

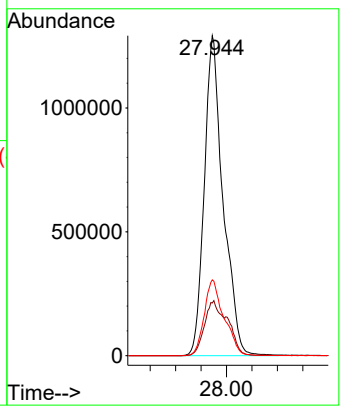





#87
Indeno(1,2,3-cd)pyrene
Concen: 56.349 ng
RT: 27.944 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:276 Resp: 664072

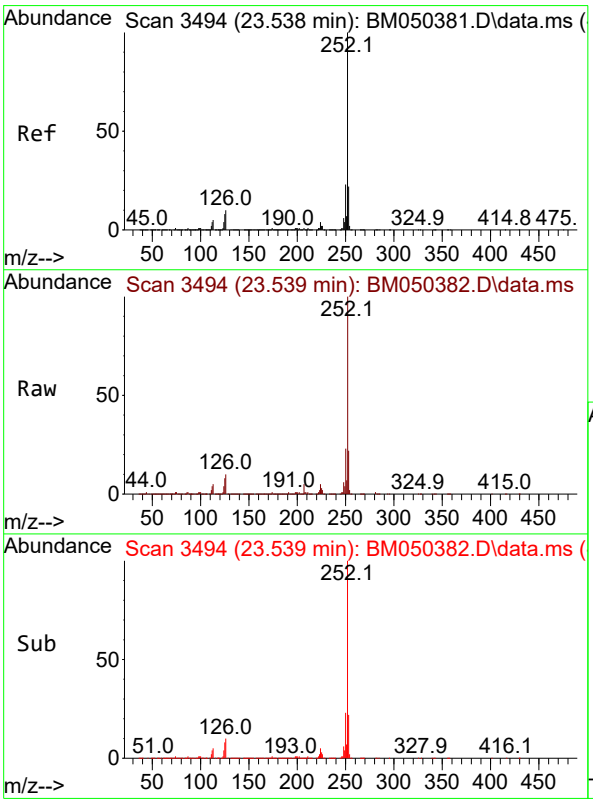
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.2 | 17.0 | 25.6 |
| 277 | 24.9 | 20.0 | 30.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

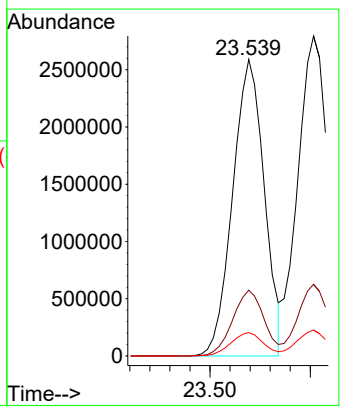
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

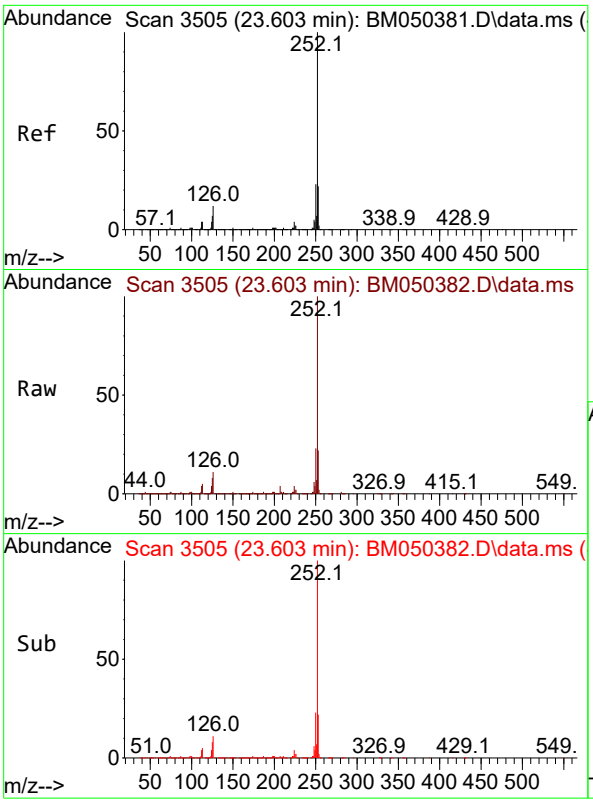



#88
Benzo(b)fluoranthene
Concen: 55.588 ng
RT: 23.539 min Scan# 3494
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:252 Resp: 5667484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.8 | 26.6 |
| 125 | 7.9 | 6.3 | 9.5 |

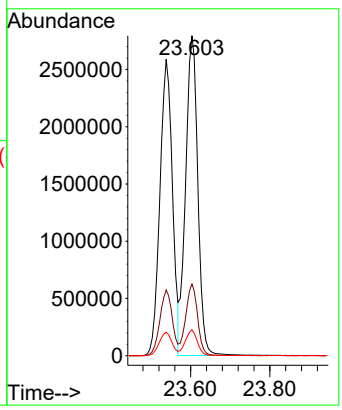





#89
Benzo(k)fluoranthene
Concen: 56.568 ng
RT: 23.603 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:252 Resp: 598441

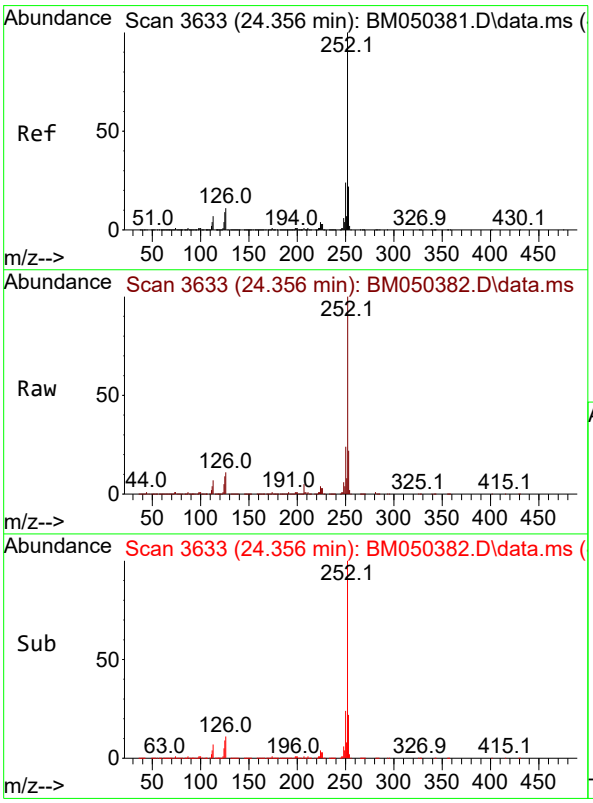
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 17.6 | 26.4 |
| 125 | 8.1 | 6.2 | 9.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

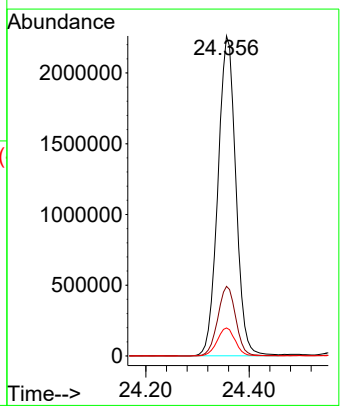
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

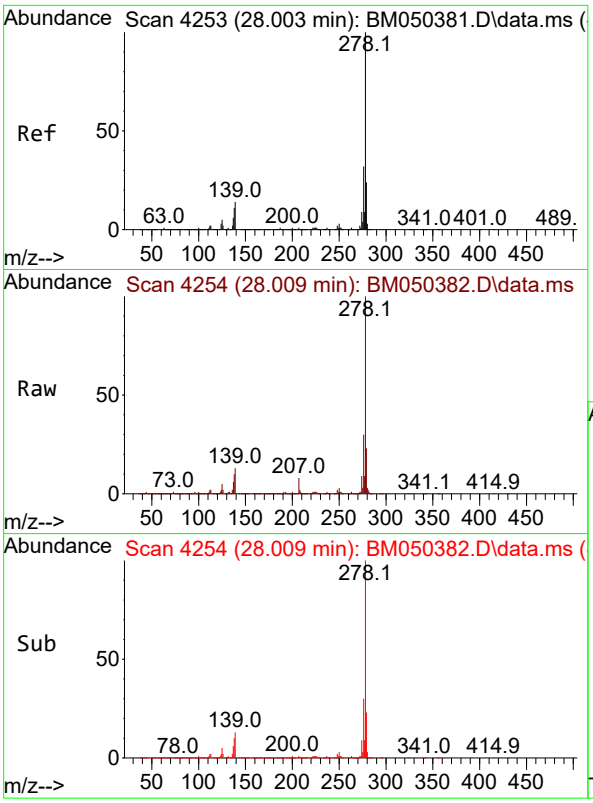



#90
Benzo(a)pyrene
Concen: 57.054 ng
RT: 24.356 min Scan# 3633
Delta R.T. 0.000 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:252 Resp: 5445326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.8 | 26.6 |
| 125 | 8.7 | 7.0 | 10.4 |

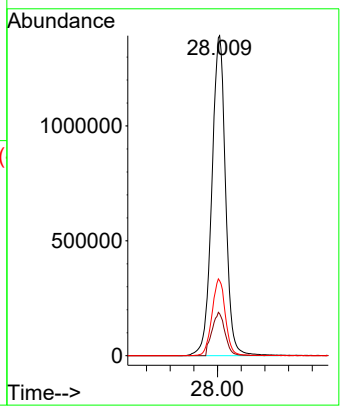





#91
Dibenzo(a,h)anthracene
Concen: 56.460 ng
RT: 28.009 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:278 Resp: 560361

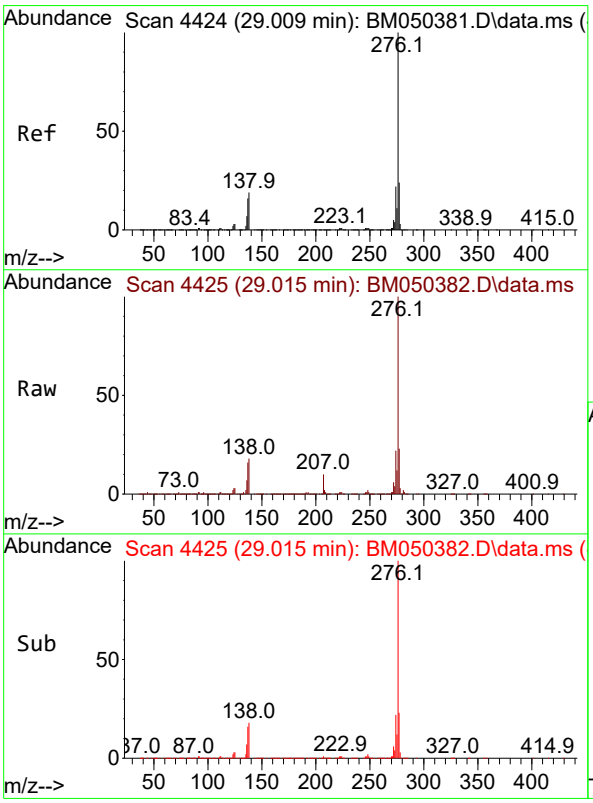
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.1 | 10.8 | 16.2 |
| 279 | 23.4 | 19.4 | 29.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

**Manual Integrations**
**APPROVED**

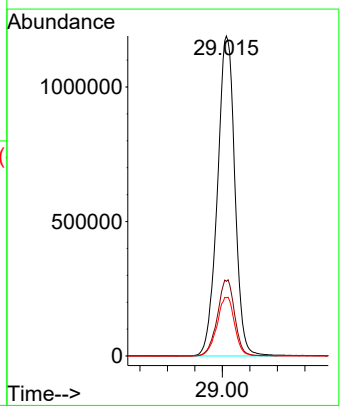
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025




#92
Benzo(g,h,i)perylene
Concen: 55.817 ng
RT: 29.015 min Scan# 4425
Delta R.T. 0.006 min
Lab File: BM050382.D
Acq: 08 Jul 2025 16:01

Tgt Ion:276 Resp: 5235761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.3 | 19.1 | 28.7 |
| 138 | 18.2 | 14.9 | 22.3 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050383.D
Acq On : 08 Jul 2025 16:41
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Quant Time: Jul 08 18:23:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.863 | 152 | 406200 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.663 | 136 | 1566187 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.492 | 164 | 998713 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.227 | 188 | 1896999 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.456 | 240 | 1968054 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.497 | 264 | 1889317 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.434 | 112 | 2930103 | 124.166 | ng | 0.00 |
| 7) Phenol-d6 | 7.028 | 99 | 3771036 | 126.766 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.022 | 82 | 3898203 | 126.983 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.974 | 330 | 1680132 | 138.460 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.122 | 172 | 10167533 | 125.724 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.839 | 244 | 12914894 | 115.460 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.334 | 88 | 578083 | 59.574 | ng | 99 |
| 3) Pyridine | 3.734 | 79 | 1558687 | 61.184 | ng | 98 |
| 4) n-Nitrosodimethylamine | 3.640 | 42 | 725301 | 61.070 | ng | 98 |
| 6) Aniline | 7.193 | 93 | 2421019 | 63.416 | ng | 99 |
| 8) 2-Chlorophenol | 7.428 | 128 | 1585370 | 63.712 | ng | 99 |
| 9) Benzaldehyde | 7.004 | 77 | 845390 | 47.768 | ng | 99 |
| 10) Phenol | 7.051 | 94 | 1946908 | 62.748 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 7.287 | 93 | 1544784 | 62.169 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.757 | 146 | 1841011 | 60.846 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 7.904 | 146 | 1874083 | 60.660 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.222 | 146 | 1809670 | 61.182 | ng | 99 |
| 15) Benzyl Alcohol | 8.098 | 79 | 1328453 | 63.380 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.393 | 45 | 2219161 | 60.631 | ng | 100 |
| 17) 2-Methylphenol | 8.304 | 107 | 1277440 | 63.479 | ng | 98 |
| 18) Hexachloroethane | 8.951 | 117 | 678042 | 62.403 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 8.675 | 70 | 1180119 | 65.485 | ng | 96 |
| 20) 3+4-Methylphenols | 8.634 | 107 | 1697411 | 62.832 | ng | 98 |
| 22) Acetophenone | 8.687 | 105 | 2408904 | 61.517 | ng | 98 |
| 24) Nitrobenzene | 9.063 | 77 | 1702957 | 62.165 | ng | 99 |
| 25) Isophorone | 9.592 | 82 | 3190767 | 64.054 | ng | 99 |
| 26) 2-Nitrophenol | 9.775 | 139 | 783612 | 70.186 | ng | 97 |
| 27) 2,4-Dimethylphenol | 9.834 | 122 | 1490764 | 62.749 | ng | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.075 | 93 | 2048832 | 62.070 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.310 | 162 | 1570701 | 64.353 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.528 | 180 | 1810982 | 62.024 | ng | 99 |
| 31) Naphthalene | 10.716 | 128 | 4834692 | 60.775 | ng | 100 |
| 32) Benzoic acid | 9.975 | 122 | 912053 | 60.734 | ng | 99 |
| 33) 4-Chloroaniline | 10.810 | 127 | 2130451 | 63.348 | ng | 99 |
| 34) Hexachlorobutadiene | 11.010 | 225 | 1123283 | 63.032 | ng | 99 |
| 35) Caprolactam | 11.598 | 113 | 438205 | 65.768 | ng | 95 |
| 36) 4-Chloro-3-methylphenol | 11.939 | 107 | 1472646 | 64.612 | ng | 98 |
| 37) 2-Methylnaphthalene | 12.322 | 142 | 3153595 | 62.784 | ng | 98 |
| 38) 1-Methylnaphthalene | 12.539 | 142 | 3322331 | 62.500 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.692 | 216 | 2046472 | 64.436 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 12.680 | 237 | 1359023 | 66.942 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 12.928 | 196 | 1299719 | 66.483 | ng | 97 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050383.D
Acq On : 08 Jul 2025 16:41
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Quant Time: Jul 08 18:23:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

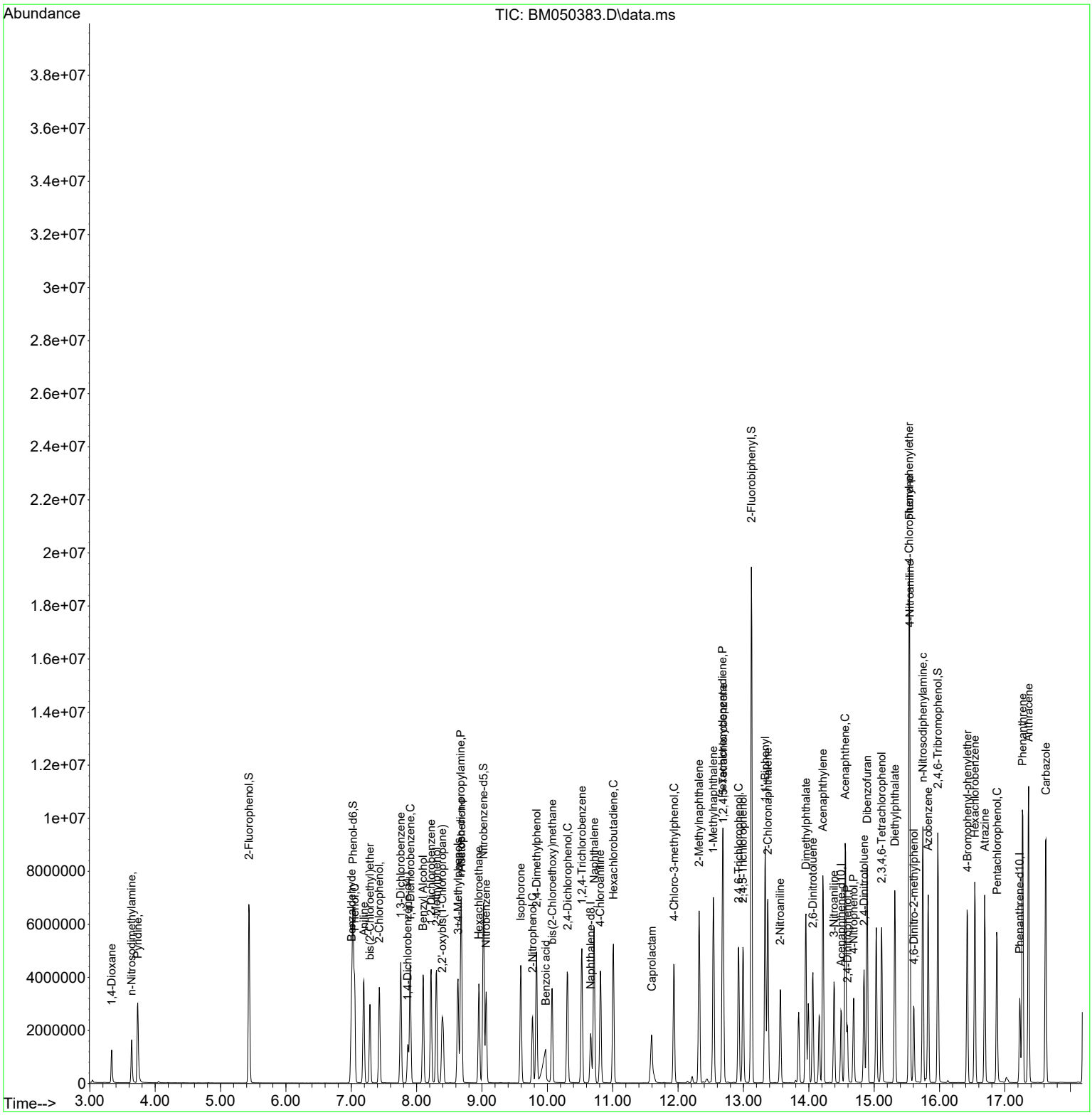
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.992 | 196 | 1407280 | 65.913 | ng | 98 |
| 46) 1,1'-Biphenyl | 13.333 | 154 | 4574537 | 61.736 | ng | 100 |
| 47) 2-Chloronaphthalene | 13.375 | 162 | 3645124 | 61.699 | ng | 99 |
| 48) 2-Nitroaniline | 13.563 | 65 | 904021 | 68.554 | ng | 98 |
| 49) Acenaphthylene | 14.216 | 152 | 5618754 | 62.931 | ng | 99 |
| 50) Dimethylphthalate | 13.957 | 163 | 4291046 | 62.407 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 14.063 | 165 | 891260 | 67.510 | ng | 99 |
| 52) Acenaphthene | 14.557 | 154 | 3582059 | 63.105 | ng | 100 |
| 53) 3-Nitroaniline | 14.386 | 138 | 957239 | 68.179 | ng | 98 |
| 54) 2,4-Dinitrophenol | 14.592 | 184 | 439445 | 61.898 | ng | 85 |
| 55) Dibenzofuran | 14.892 | 168 | 5344109 | 61.102 | ng | 100 |
| 56) 4-Nitrophenol | 14.686 | 139 | 794516 | 65.804 | ng | 95 |
| 57) 2,4-Dinitrotoluene | 14.845 | 165 | 1218665 | 60.887 | ng | 98 |
| 58) Fluorene | 15.539 | 166 | 4560797 | 63.309 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.116 | 232 | 1189838 | 66.202 | ng | 99 |
| 60) Diethylphthalate | 15.316 | 149 | 4130183 | 62.882 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.533 | 204 | 2430909 | 64.533 | ng | 98 |
| 62) 4-Nitroaniline | 15.545 | 138 | 991212 | 60.686 | ng | 99 |
| 63) Azobenzene | 15.827 | 77 | 3812033 | 63.206 | ng | 100 |
| 65) 4,6-Dinitro-2-methylph... | 15.610 | 198 | 645034 | 61.235 | ng | 91 |
| 66) n-Nitrosodiphenylamine | 15.745 | 169 | 3744872 | 63.087 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.427 | 248 | 1368680 | 65.485 | ng | 99 |
| 68) Hexachlorobenzene | 16.539 | 284 | 1586965 | 64.288 | ng | 98 |
| 69) Atrazine | 16.692 | 200 | 1296405 | 66.510 | ng | 100 |
| 70) Pentachlorophenol | 16.880 | 266 | 1022433 | 66.535 | ng | 99 |
| 71) Phenanthrene | 17.268 | 178 | 6618592 | 61.658 | ng | 100 |
| 72) Anthracene | 17.363 | 178 | 6849285 | 64.102 | ng | 100 |
| 73) Carbazole | 17.627 | 167 | 6106388 | 63.161 | ng | 99 |
| 74) Di-n-butylphthalate | 18.198 | 149 | 6920453 | 65.398 | ng | 100 |
| 75) Fluoranthene | 19.280 | 202 | 7618952 | 65.290 | ng | 99 |
| 77) Benzidine | 19.456 | 184 | 3256422 | 64.872 | ng | 100 |
| 78) Pyrene | 19.639 | 202 | 8067941 | 64.009 | ng | 100 |
| 80) Butylbenzylphthalate | 20.533 | 149 | 2900200 | 69.782 | ng | 97 |
| 81) Benzo(a)anthracene | 21.439 | 228 | 8142088 | 63.495 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.356 | 252 | 2878037 | 66.553 | ng | 100 |
| 83) Chrysene | 21.503 | 228 | 7690956 | 63.587 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.368 | 149 | 4504059 | 68.268 | ng | 98 |
| 85) Di-n-octyl phthalate | 22.521 | 149 | 7047940 | 68.206 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 27.950 | 276 | 8866549 | 66.007 | ng | 99 |
| 88) Benzo(b)fluoranthene | 23.539 | 252 | 7617485 | 65.548 | ng | 99 |
| 89) Benzo(k)fluoranthene | 23.603 | 252 | 7861158 | 65.192 | ng | 100 |
| 90) Benzo(a)pyrene | 24.356 | 252 | 7260855 | 66.744 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.009 | 278 | 7483970 | 66.155 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 29.021 | 276 | 6983867 | 65.319 | ng | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050383.D
Acq On : 08 Jul 2025 16:41
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Quant Time: Jul 08 18:23:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050383.D
Acq On : 08 Jul 2025 16:41
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Quant Time: Jul 08 18:23:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
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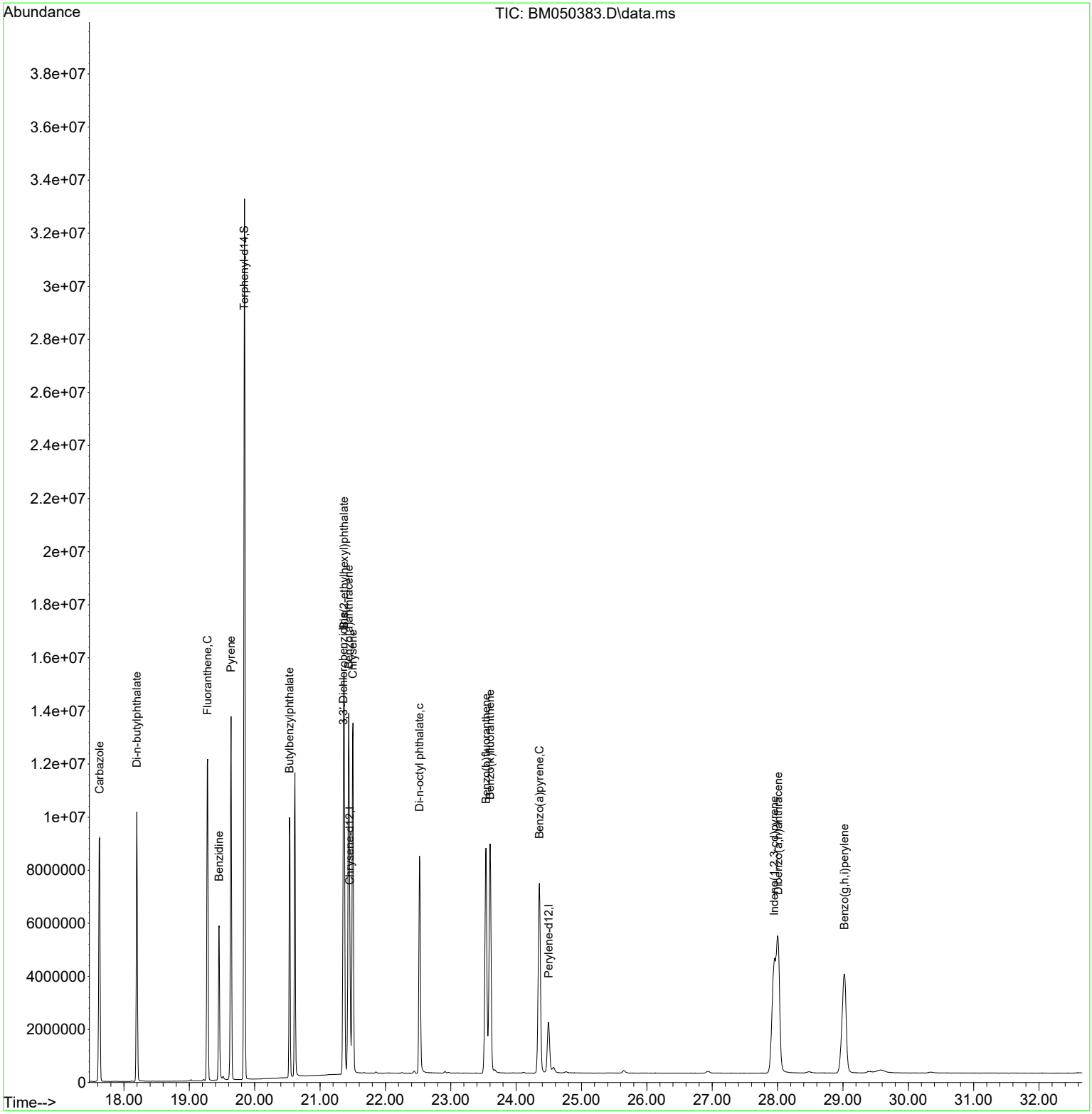
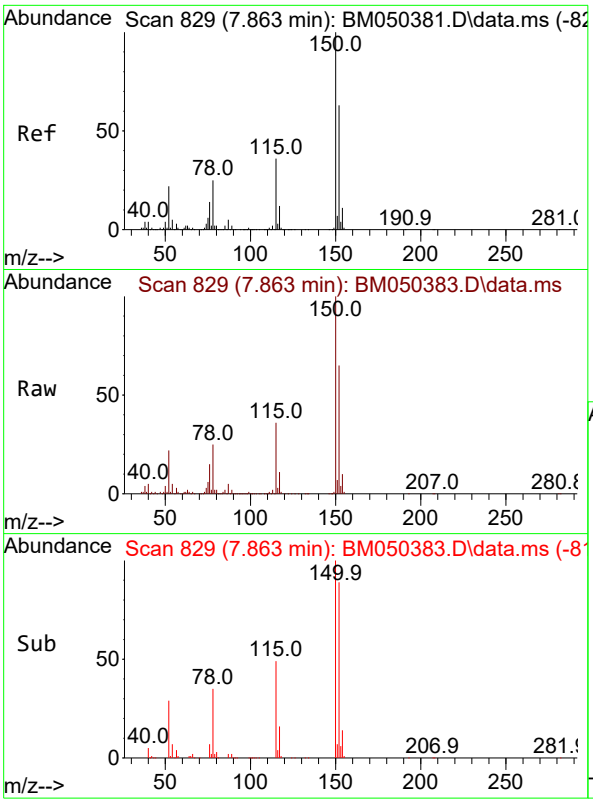


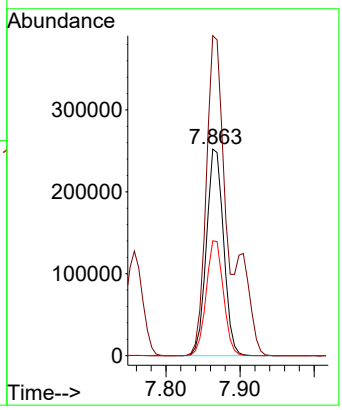


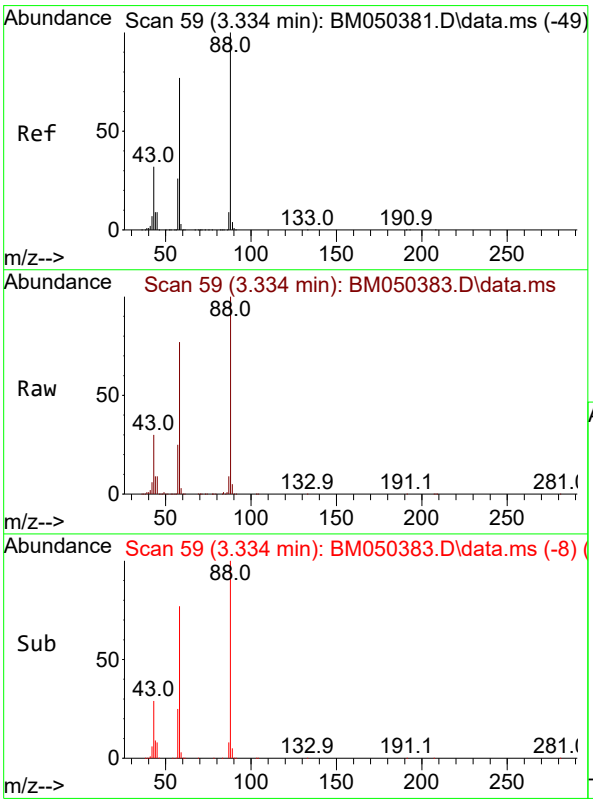

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:152 Resp: 406200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.0 | 126.2 | 189.4 |
| 115 | 55.6 | 45.8 | 68.8 |

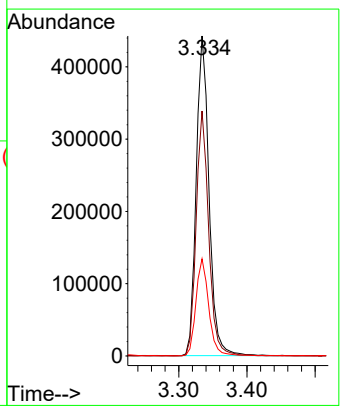


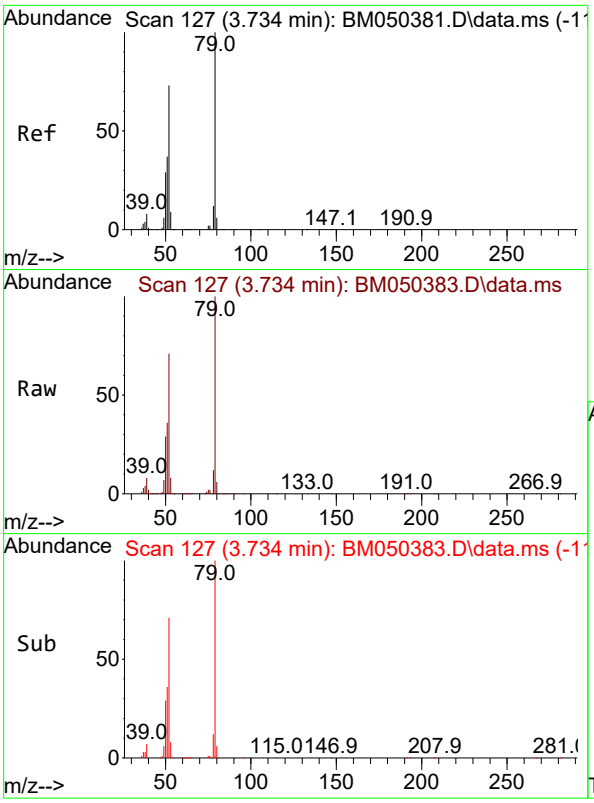




#2
1,4-Dioxane
Concen: 59.574 ng
RT: 3.334 min Scan# 59
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion: 88 Resp: 578083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 75.0 | 61.0 | 91.6 |
| 43 | 30.3 | 24.6 | 37.0 |



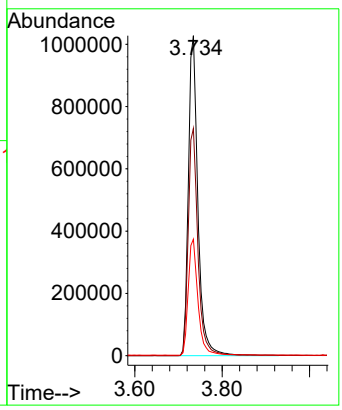


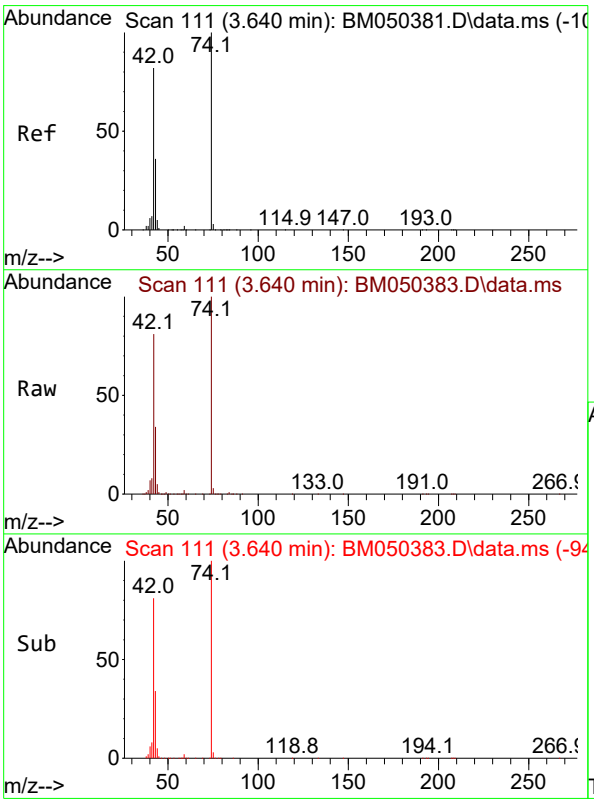

#3
Pyridine
Concen: 61.184 ng
RT: 3.734 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion: 79 Resp: 1558687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 71.0 | 58.3 | 87.5 |
| 51 | 36.4 | 29.6 | 44.4 |

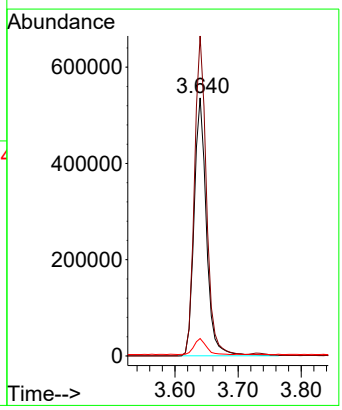


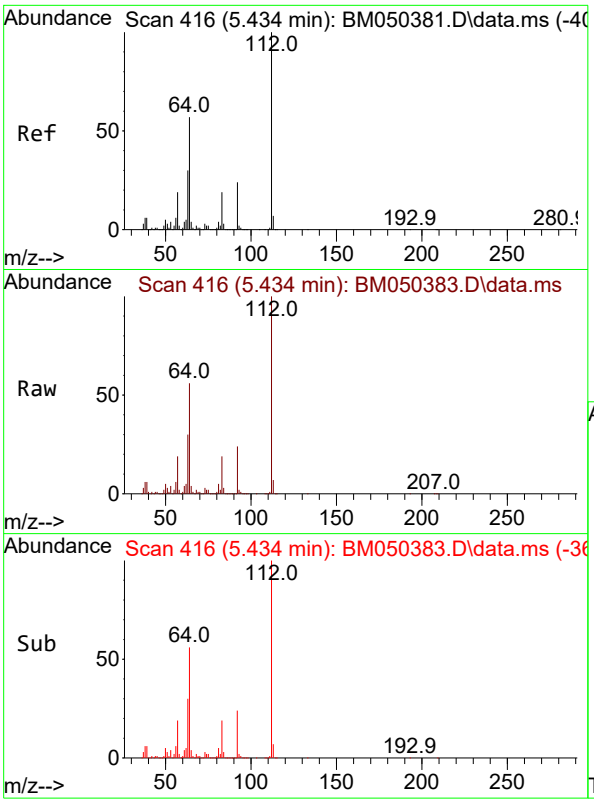




#4
n-Nitrosodimethylamine
Concen: 61.070 ng
RT: 3.640 min Scan# 111
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion: 42 Resp: 725301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 124.0 | 97.5 | 146.3 |
| 44 | 6.7 | 5.7 | 8.5 |



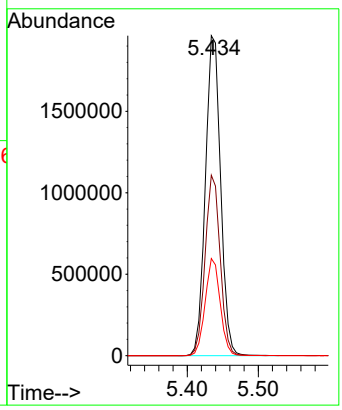


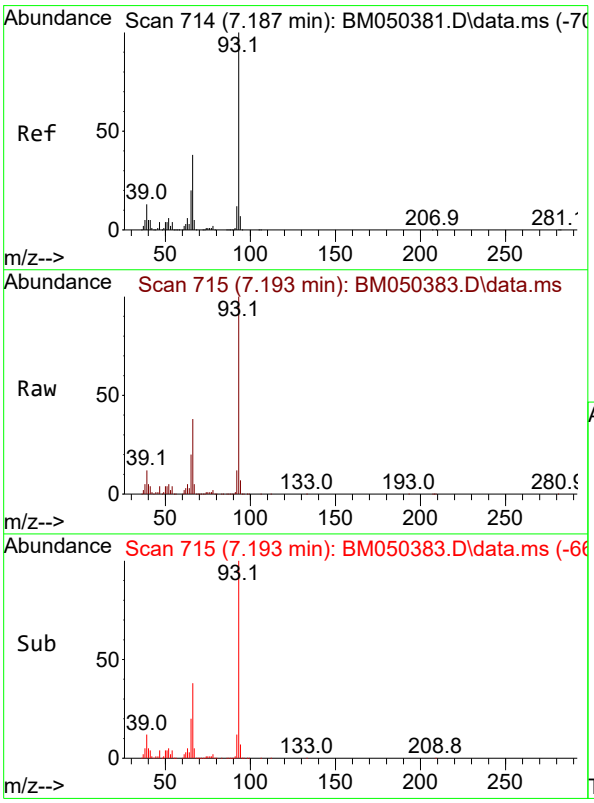

#5
2-Fluorophenol
Concen: 124.166 ng
RT: 5.434 min Scan# 41
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:112 Resp: 2930103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.4 | 45.5 | 68.3 |
| 63 | 30.3 | 24.2 | 36.4 |

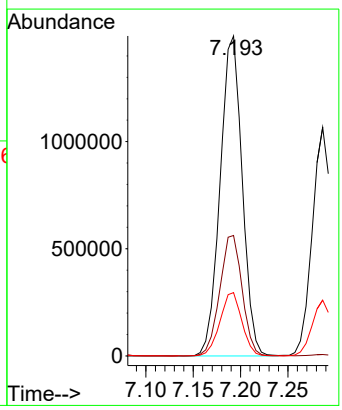


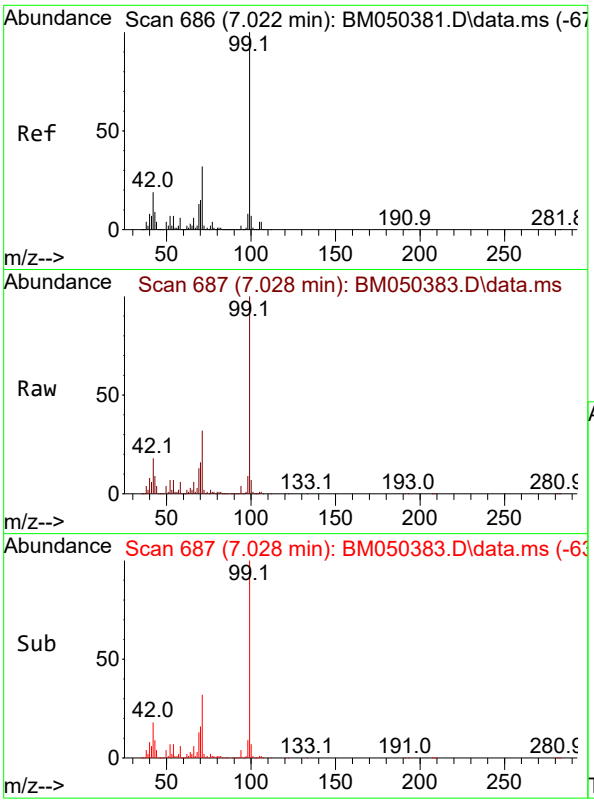




#6
Aniline
Concen: 63.416 ng
RT: 7.193 min Scan# 715
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion: 93 Resp: 2421019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 37.7 | 30.5 | 45.7 |
| 65 | 19.8 | 15.9 | 23.9 |



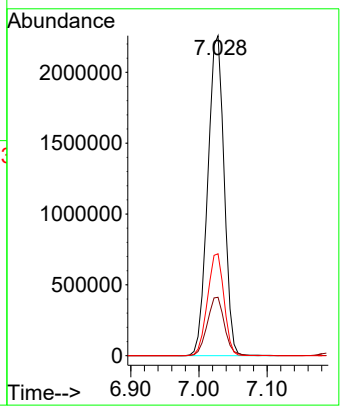


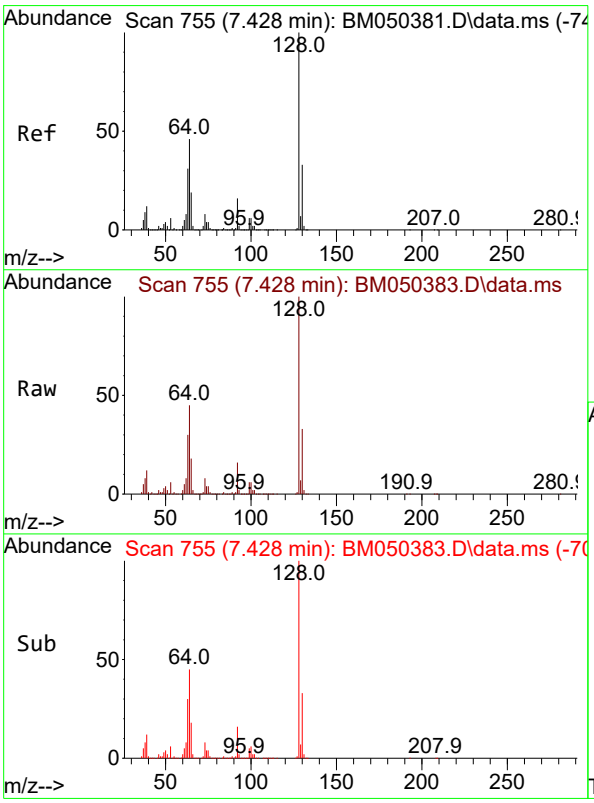

#7
Phenol-d6
Concen: 126.766 ng
RT: 7.028 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion: 99 Resp: 3771036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.3 | 15.0 | 22.6 |
| 71 | 31.8 | 25.9 | 38.9 |

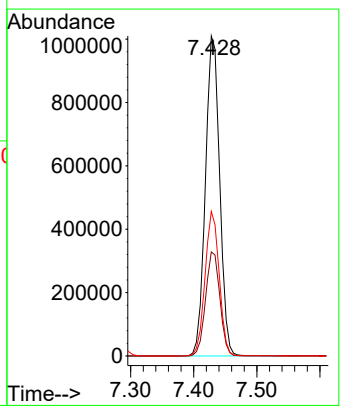


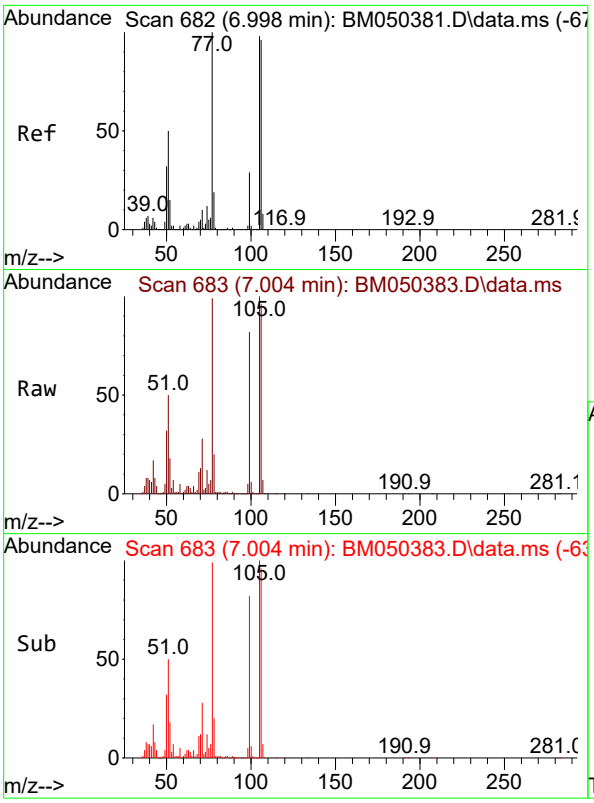




#8
2-Chlorophenol
Concen: 63.712 ng
RT: 7.428 min Scan# 755
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:128 Resp: 1585370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.5 | 13.3 | 53.3 |
| 64 | 45.1 | 25.6 | 65.6 |



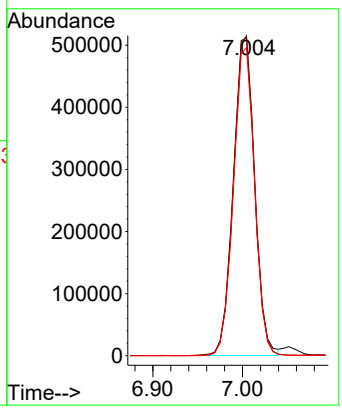


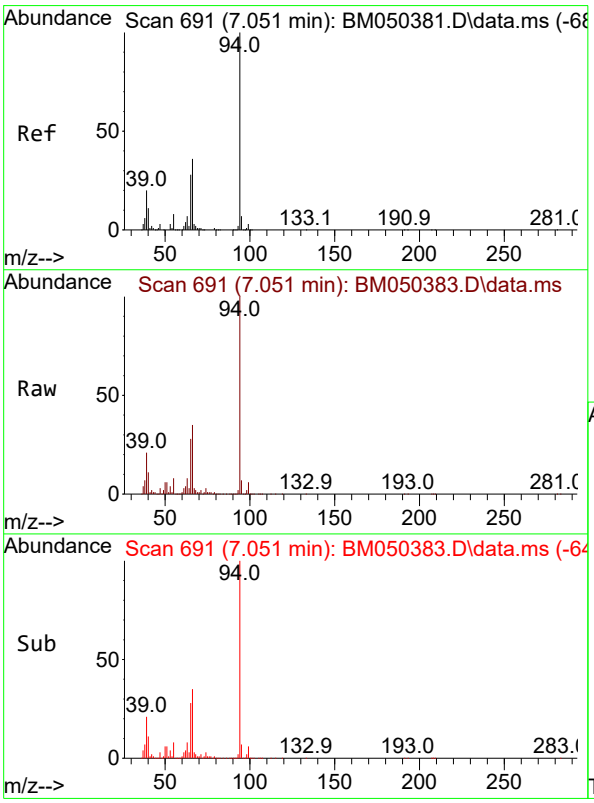

#9
Benzaldehyde
Concen: 47.768 ng
RT: 7.004 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion: 77 Resp: 845390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 100.6 | 78.4 | 118.4 |
| 106 | 96.9 | 76.3 | 116.3 |

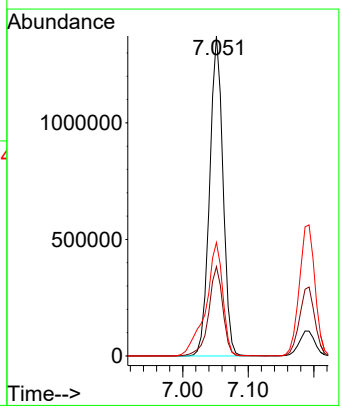


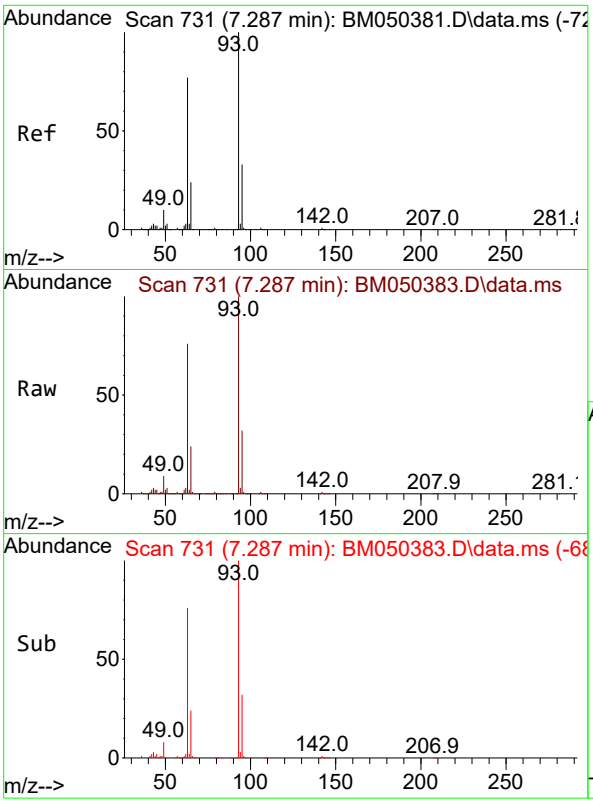




#10
Phenol
Concen: 62.748 ng
RT: 7.051 min Scan# 691
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion: 94 Resp: 1946908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 27.9 | 8.1 | 48.1 |
| 66 | 35.4 | 15.8 | 55.8 |



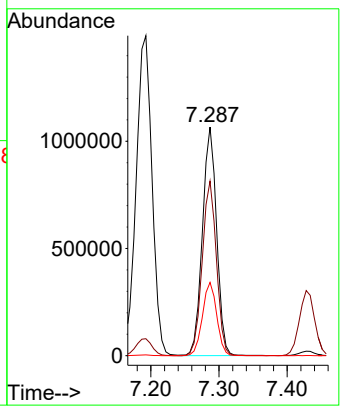


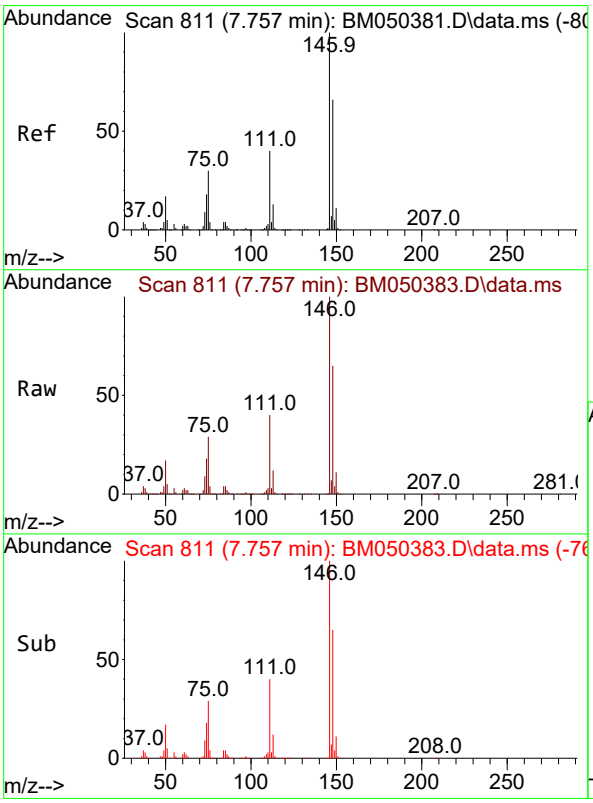

#11
bis(2-Chloroethyl)ether
Concen: 62.169 ng
RT: 7.287 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion: 93 Resp: 1544784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 76.4 | 56.9 | 96.9 |
| 95 | 32.1 | 12.6 | 52.6 |

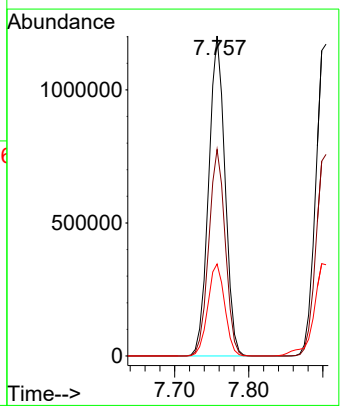


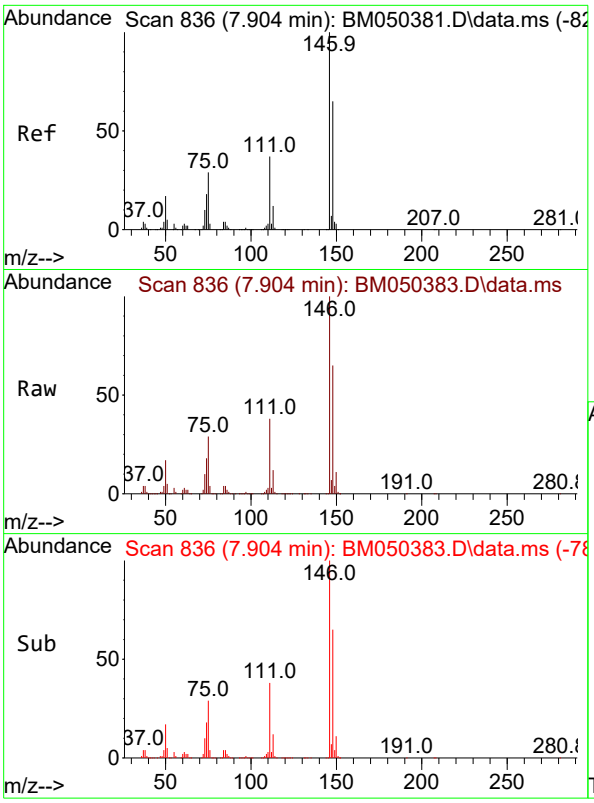




#12
1,3-Dichlorobenzene
Concen: 60.846 ng
RT: 7.757 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:146 Resp: 1841011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.6 | 53.2 | 79.8 |
| 75 | 28.7 | 23.9 | 35.9 |



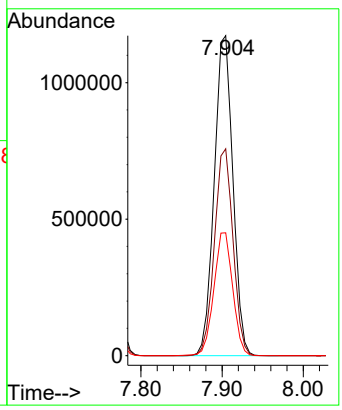


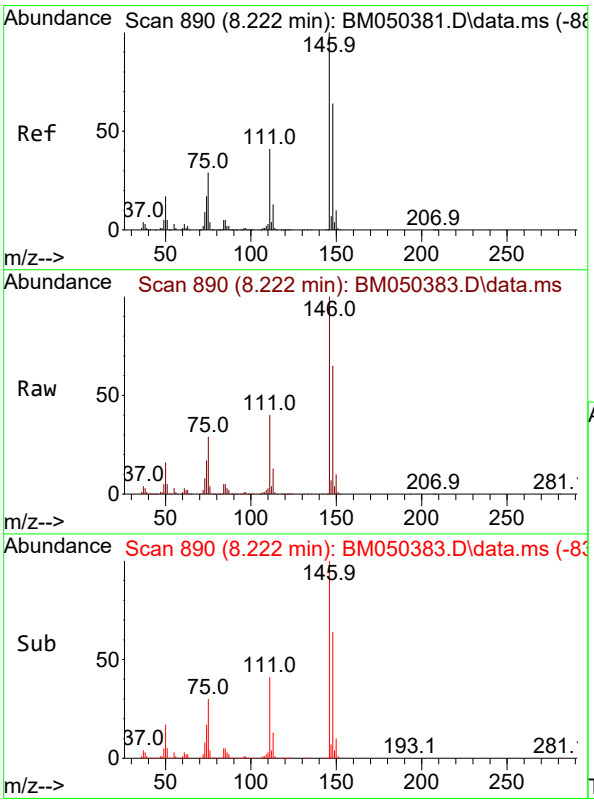

#13
1,4-Dichlorobenzene
Concen: 60.660 ng
RT: 7.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:146 Resp: 1874083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.7 | 51.9 | 77.9 |
| 111 | 38.4 | 30.0 | 45.0 |

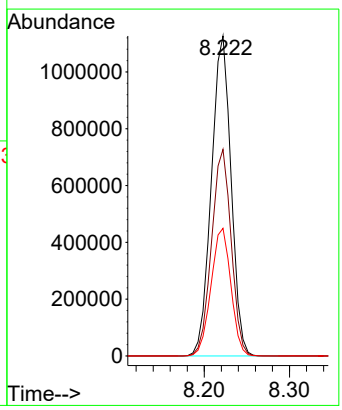


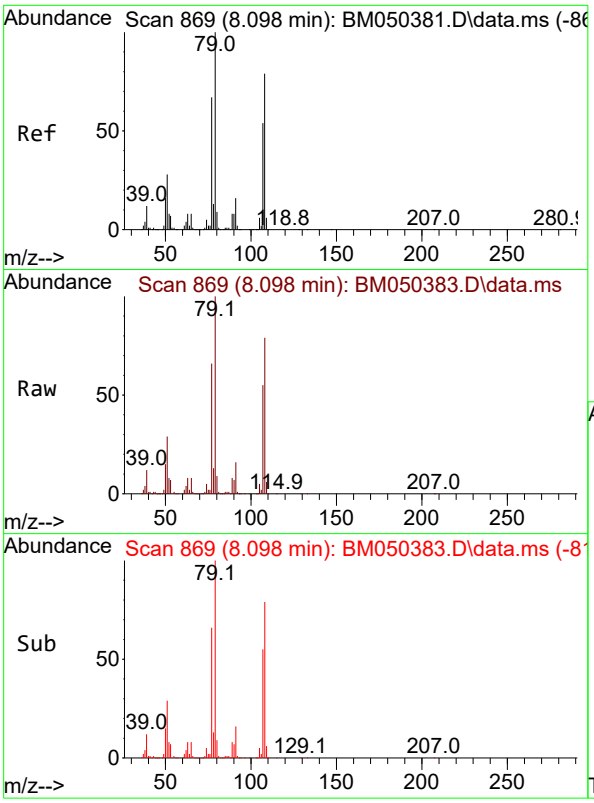




#14
1,2-Dichlorobenzene
Concen: 61.182 ng
RT: 8.222 min Scan# 890
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:146 Resp: 1809670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.6 | 51.5 | 77.3 |
| 111 | 39.9 | 32.6 | 49.0 |



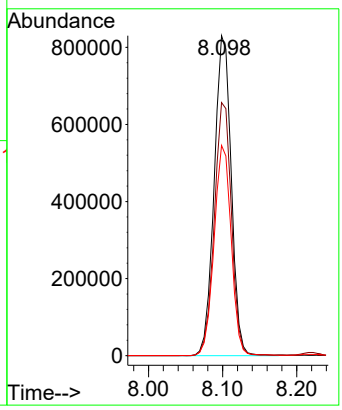


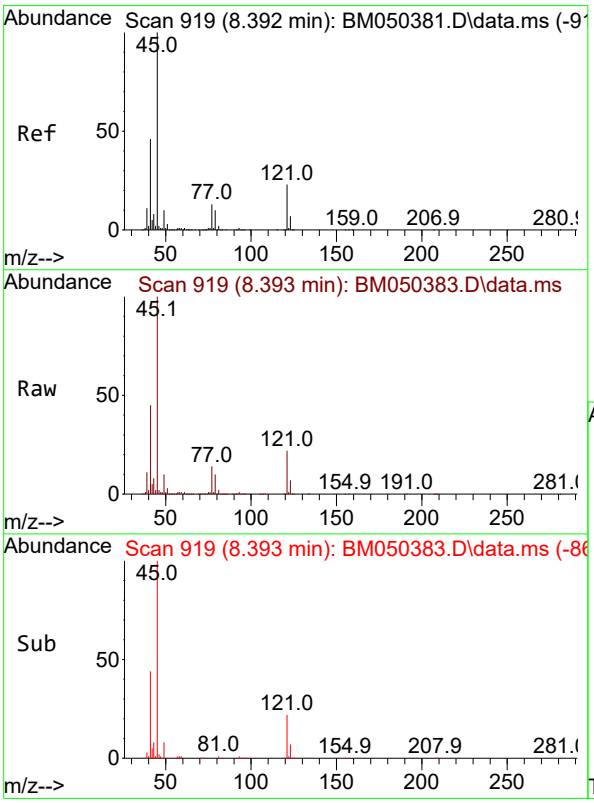

#15
Benzyl Alcohol
Concen: 63.380 ng
RT: 8.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion: 79 Resp: 1328453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 79.1 | 63.0 | 94.4 |
| 77 | 65.7 | 53.4 | 80.0 |

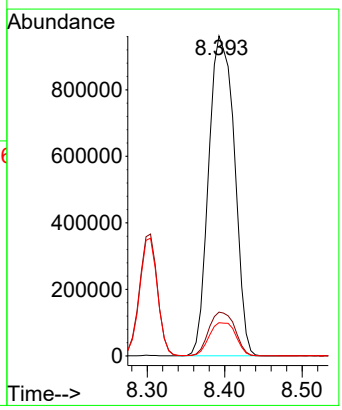


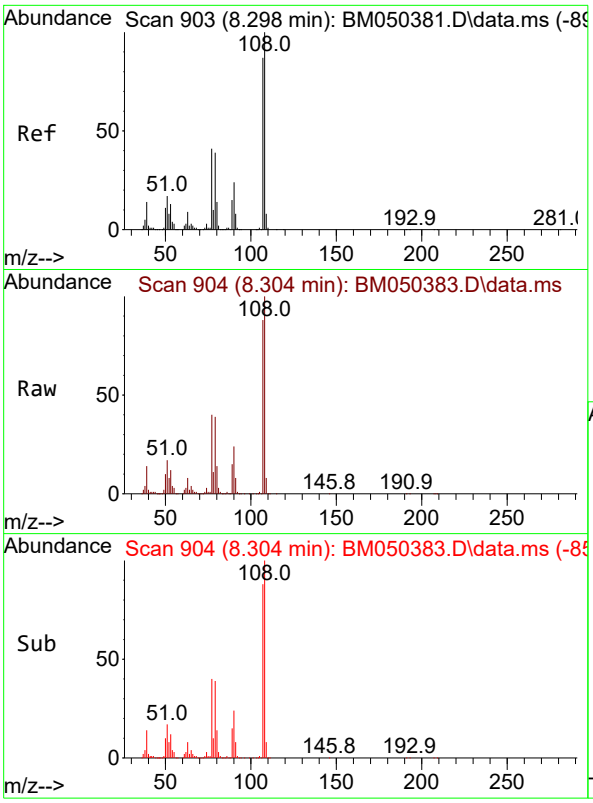




#16
2,2'-oxybis(1-Chloropropane)
Concen: 60.631 ng
RT: 8.393 min Scan# 919
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion: 45 Resp: 2219161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 13.7 | 0.0 | 33.5 |
| 79 | 10.4 | 0.0 | 30.3 |



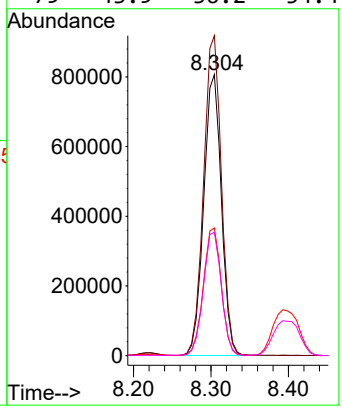


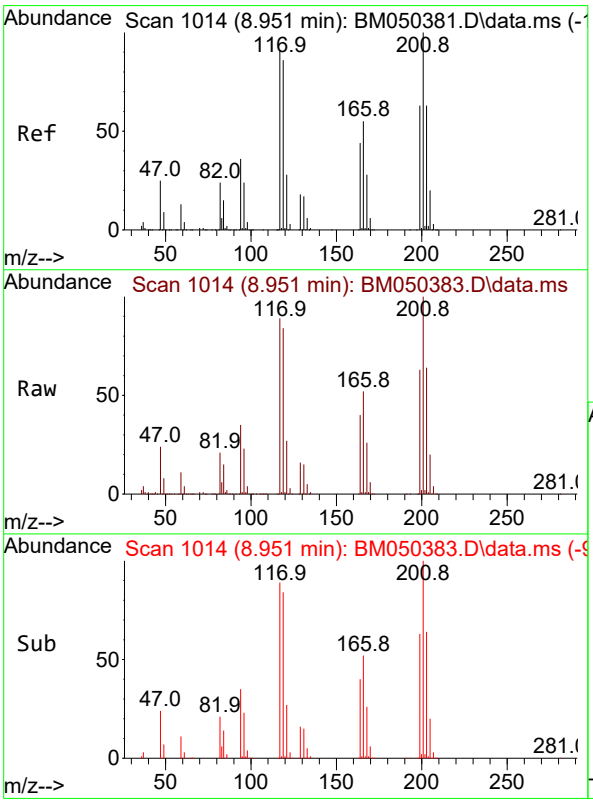

#17
2-Methylphenol
Concen: 63.479 ng
RT: 8.304 min Scan# 9(
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:107 Resp: 1277440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.8 | 92.1 | 138.1 |
| 77 | 45.4 | 38.2 | 57.4 |
| 79 | 43.9 | 36.2 | 54.4 |

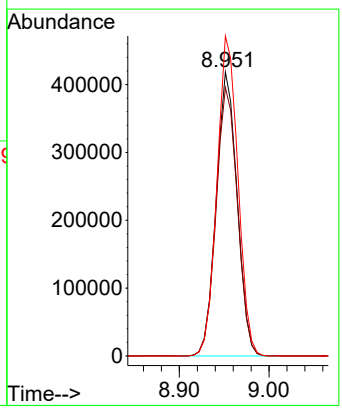


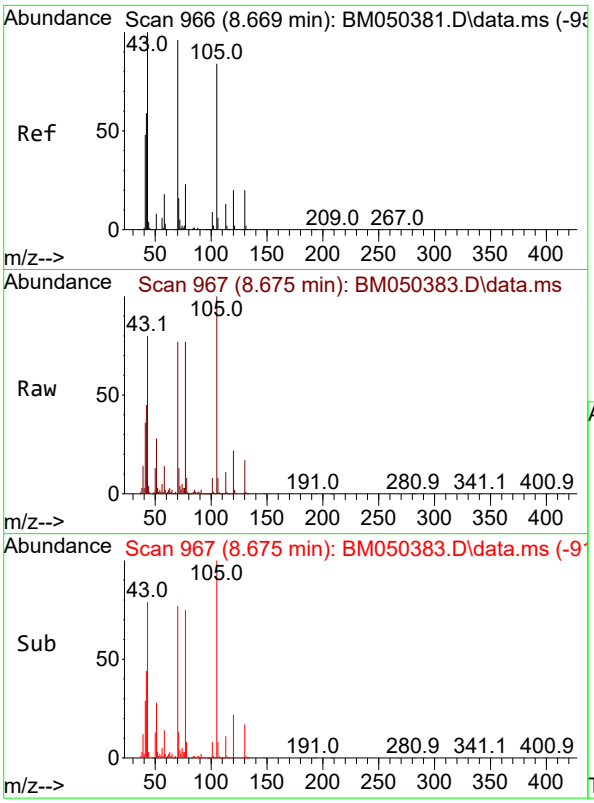




#18
Hexachloroethane
Concen: 62.403 ng
RT: 8.951 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:117 Resp: 678042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.5 | 75.6 | 113.4 |
| 201 | 112.7 | 87.9 | 131.9 |



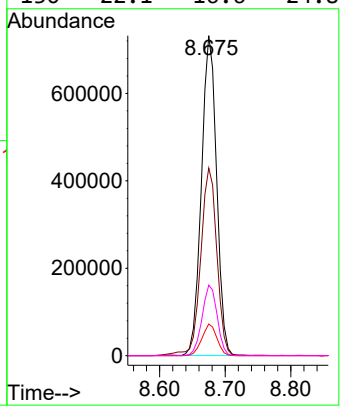


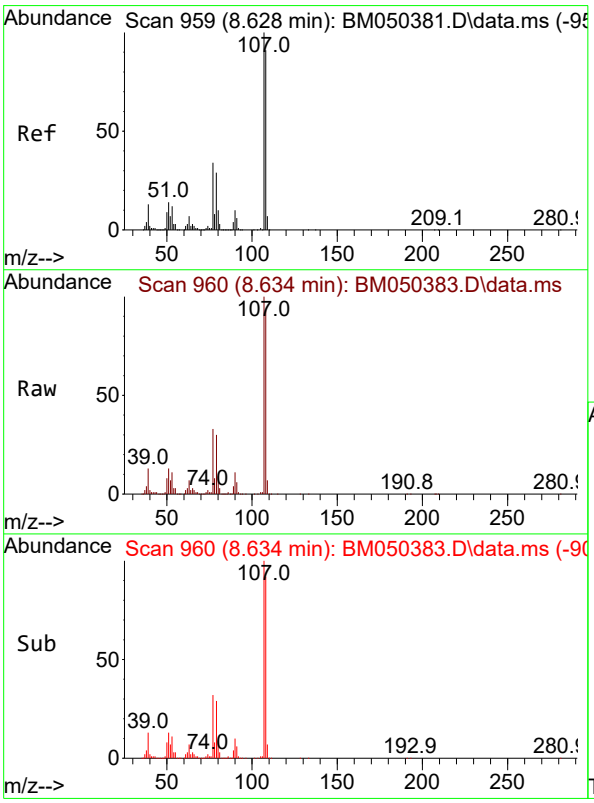

#19
n-Nitroso-di-n-propylamine
Concen: 65.485 ng
RT: 8.675 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion: 70 Resp: 1180119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 58.6 | 49.7 | 74.5 |
| 101 | 9.9 | 7.7 | 11.5 |
| 130 | 22.1 | 16.6 | 24.8 |

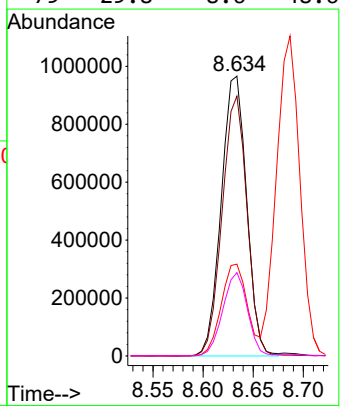


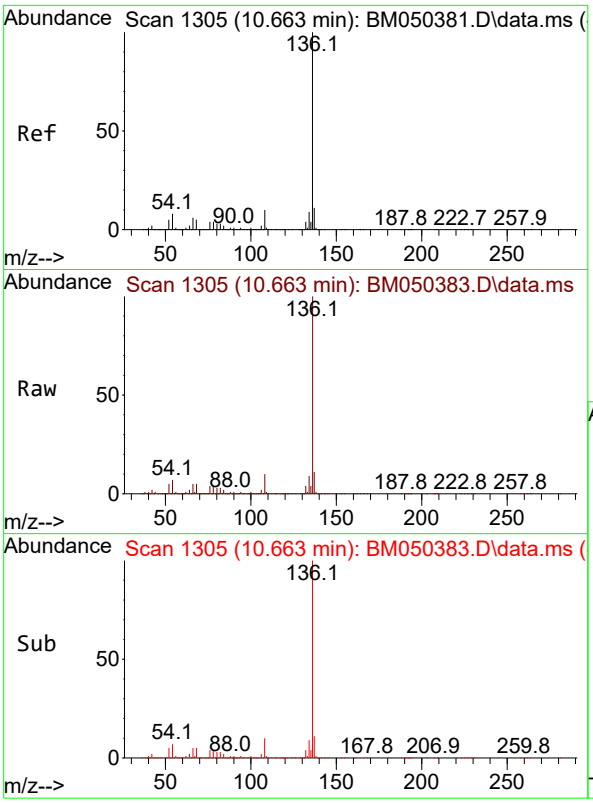




#20
3+4-Methylphenols
Concen: 62.832 ng
RT: 8.634 min Scan# 960
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:107 Resp: 1697411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 92.9 | 71.5 | 111.5 |
| 77 | 32.9 | 13.7 | 53.7 |
| 79 | 29.8 | 8.6 | 48.6 |



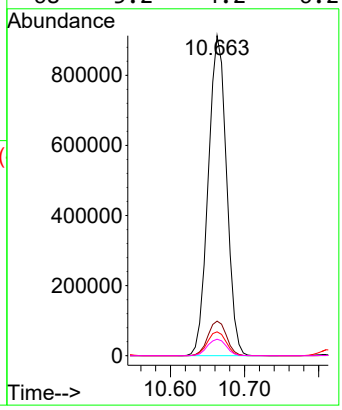


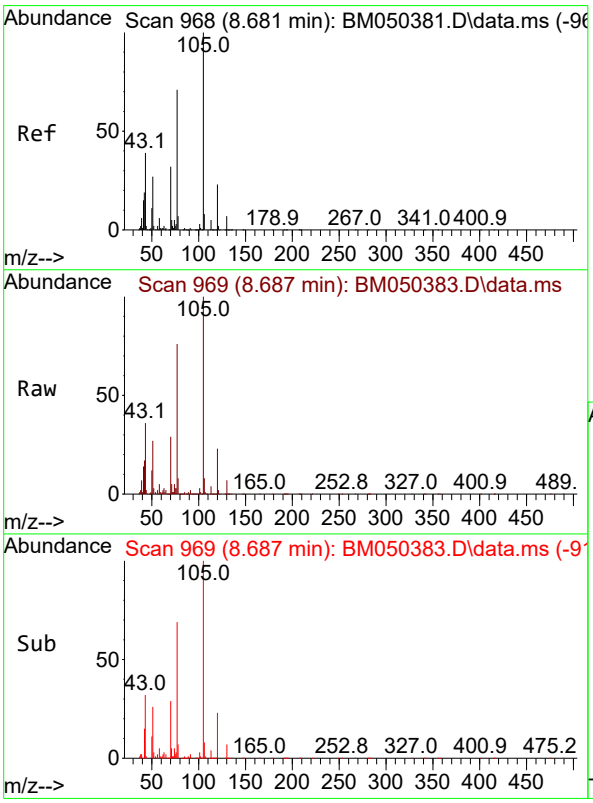

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:136 Resp: 1566187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.8 | 13.2 |
| 54 | 7.5 | 6.3 | 9.5 |
| 68 | 5.2 | 4.2 | 6.2 |

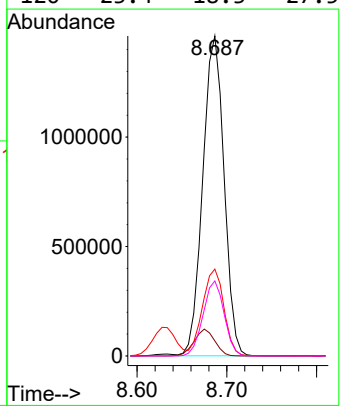


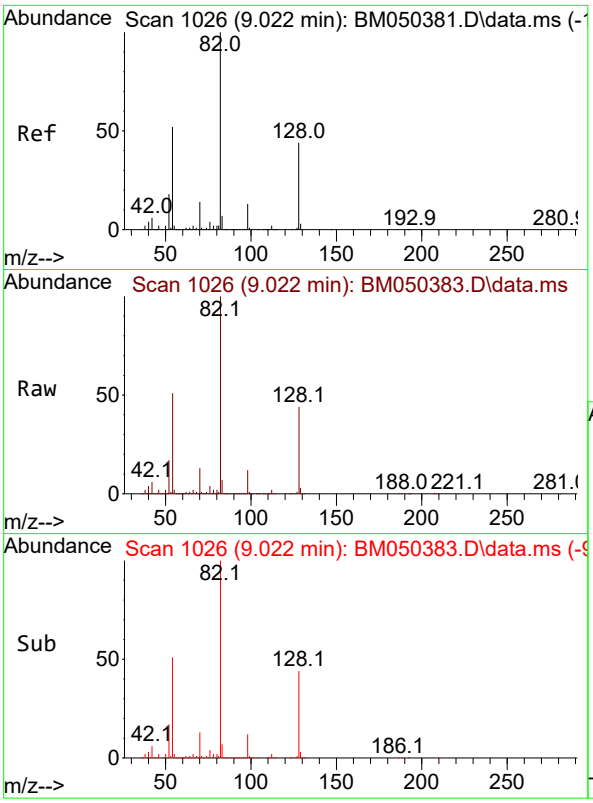




#22
Acetophenone
Concen: 61.517 ng
RT: 8.687 min Scan# 969
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:105 Resp: 2408904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 4.7 | 4.4 | 6.6 |
| 51 | 27.2 | 23.0 | 34.6 |
| 120 | 23.4 | 18.3 | 27.5 |



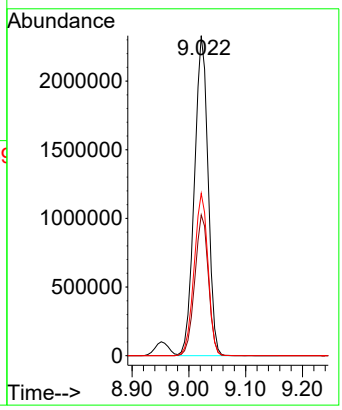


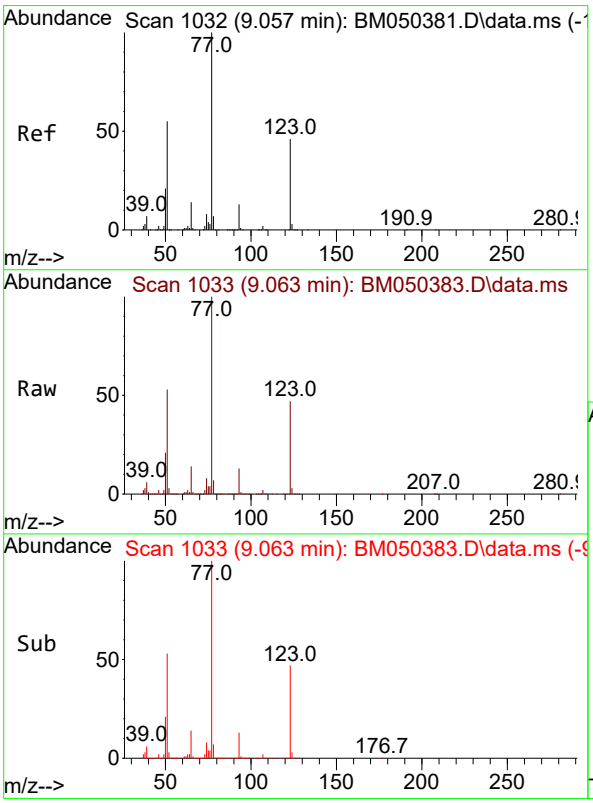

#23
Nitrobenzene-d5
Concen: 126.983 ng
RT: 9.022 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion: 82 Resp: 3898203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.0 | 35.2 | 52.8 |
| 54 | 50.7 | 41.5 | 62.3 |

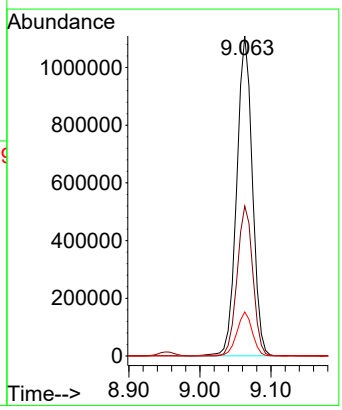


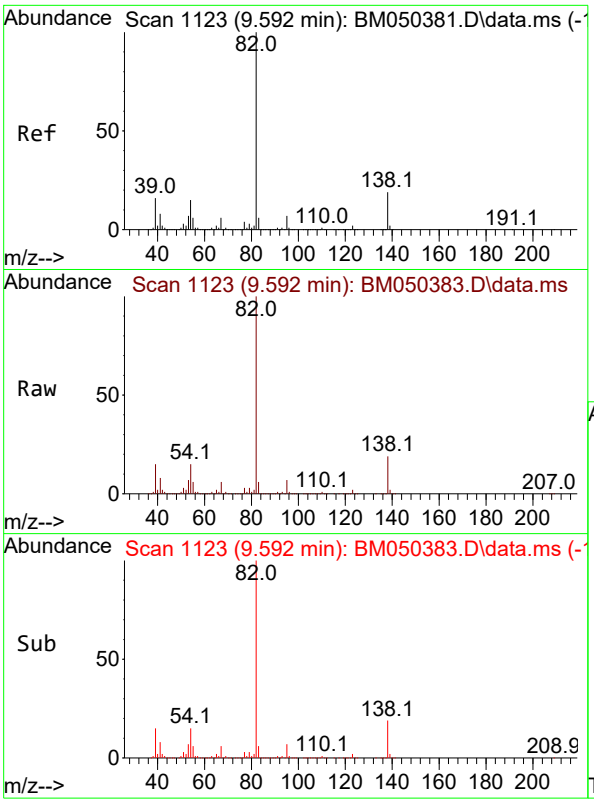




#24
Nitrobenzene
Concen: 62.165 ng
RT: 9.063 min Scan# 1033
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion: 77 Resp: 1702957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.9 | 37.0 | 55.6 |
| 65 | 13.7 | 11.0 | 16.4 |



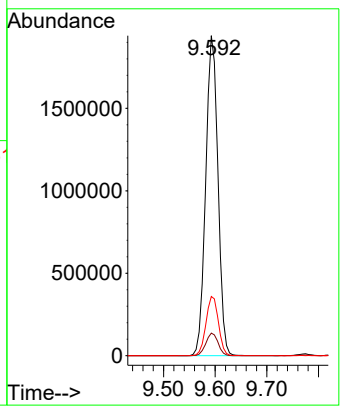


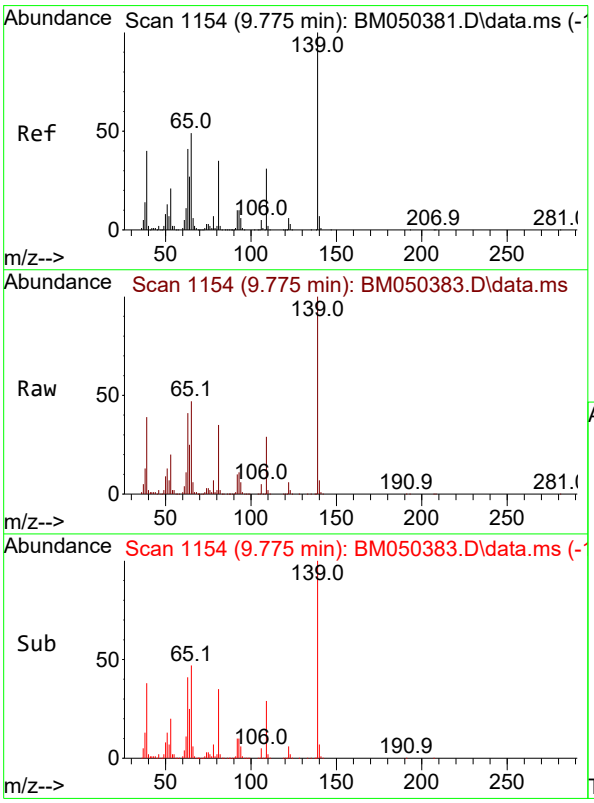

#25
Isophorone
Concen: 64.054 ng
RT: 9.592 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion: 82 Resp: 3190767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.0 | 5.6 | 8.4 |
| 138 | 18.5 | 15.3 | 22.9 |

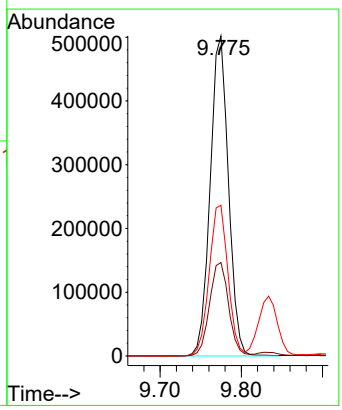


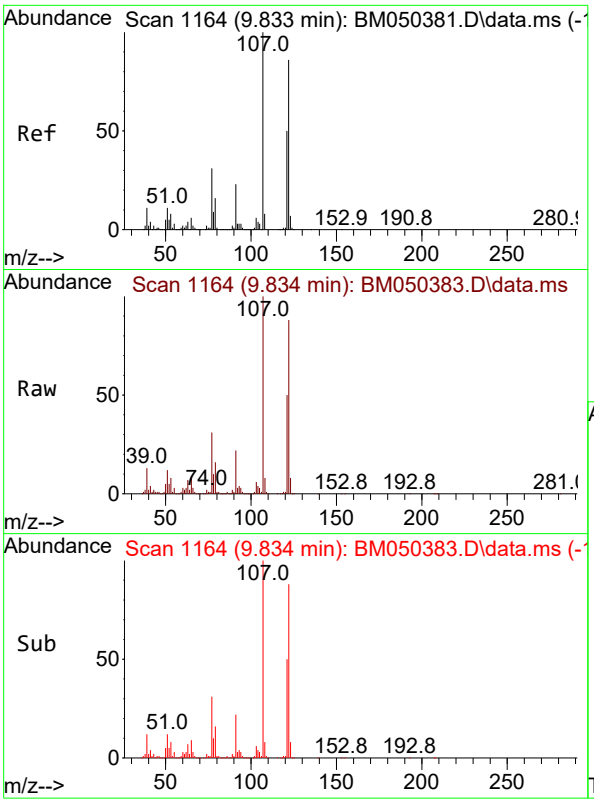




#26
2-Nitrophenol
Concen: 70.186 ng
RT: 9.775 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:139 Resp: 783612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 29.2 | 24.6 | 36.8 |
| 65 | 47.1 | 39.2 | 58.8 |



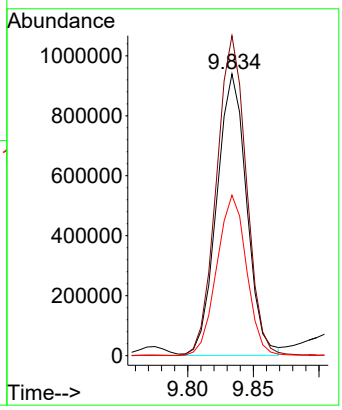


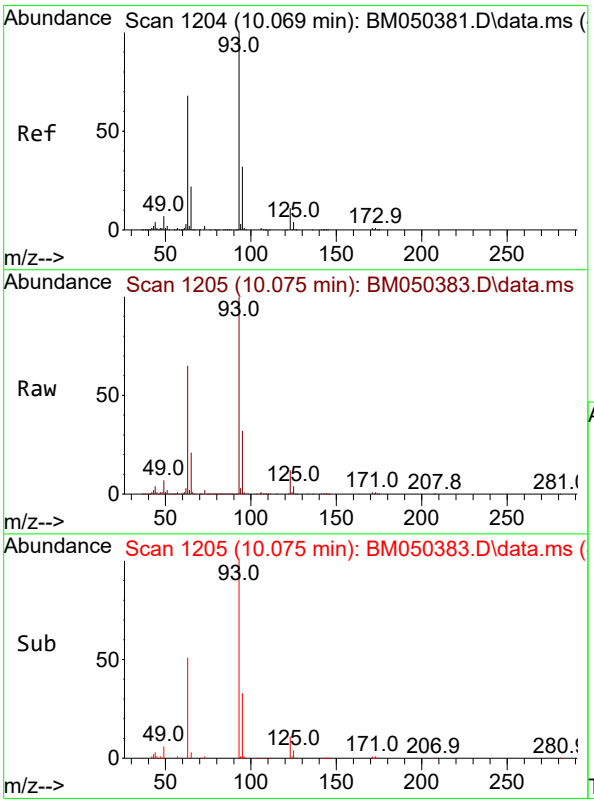

#27
2,4-Dimethylphenol
Concen: 62.749 ng
RT: 9.834 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:122 Resp: 1490764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 113.6 | 93.0 | 139.6 |
| 121 | 57.0 | 46.1 | 69.1 |

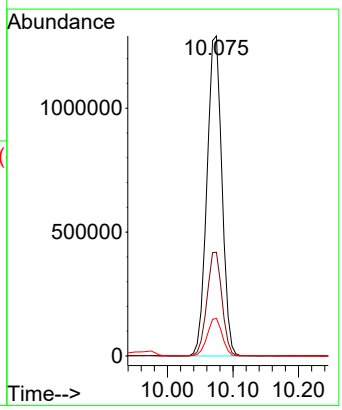


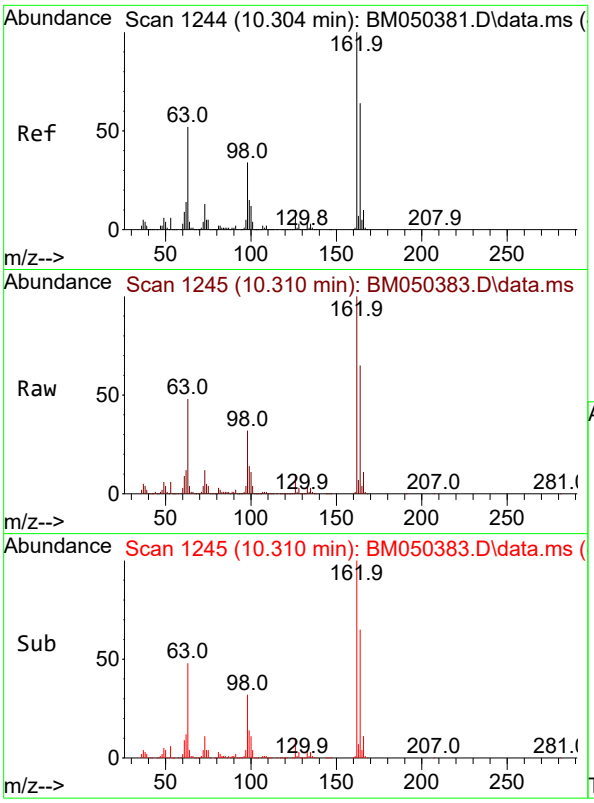




#28
bis(2-Chloroethoxy)methane
Concen: 62.070 ng
RT: 10.075 min Scan# 1205
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion: 93 Resp: 2048832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.4 | 25.8 | 38.6 |
| 123 | 11.7 | 9.1 | 13.7 |



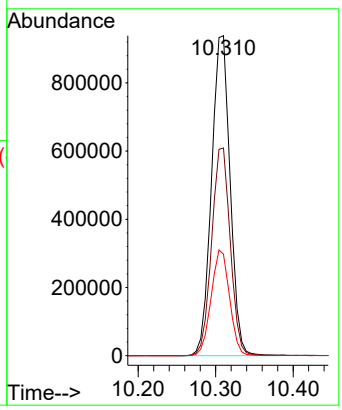


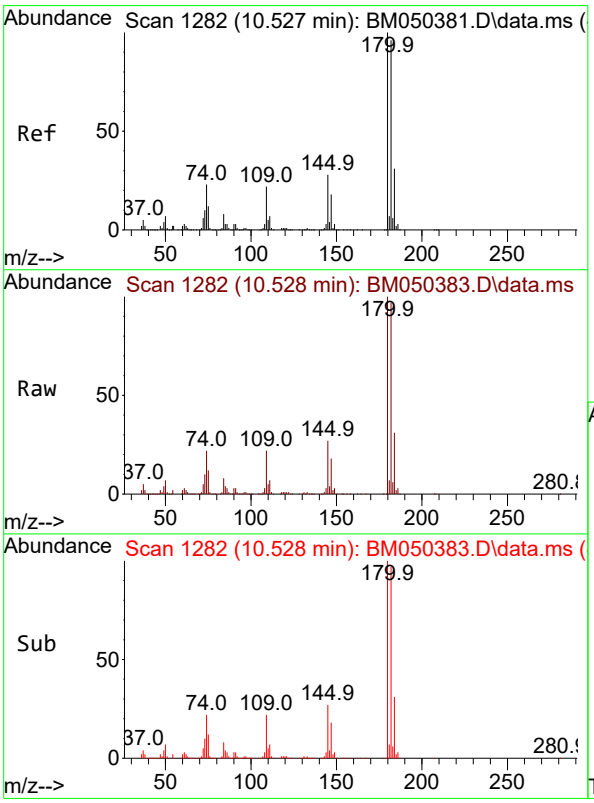

#29
2,4-Dichlorophenol
Concen: 64.353 ng
RT: 10.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:162 Resp: 1570701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.9 | 43.7 | 83.7 |
| 98 | 31.7 | 13.7 | 53.7 |

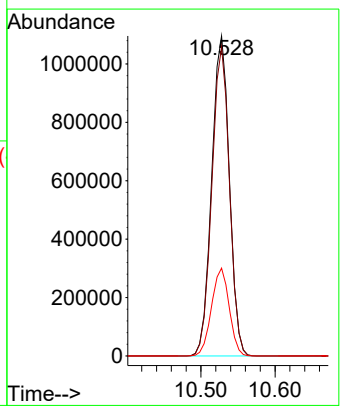


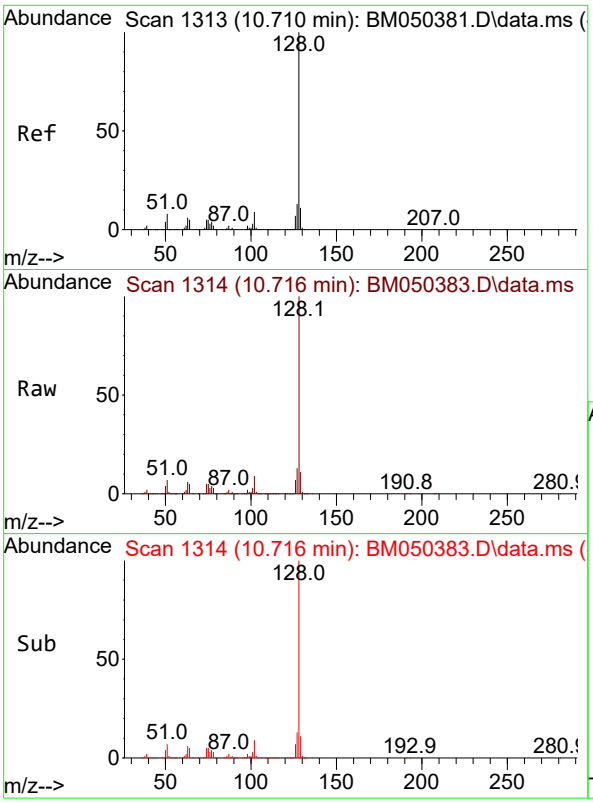




#30
1,2,4-Trichlorobenzene
Concen: 62.024 ng
RT: 10.528 min Scan# 1282
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:180 Resp: 1810982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.5 | 76.8 | 115.2 |
| 145 | 27.4 | 22.6 | 33.8 |



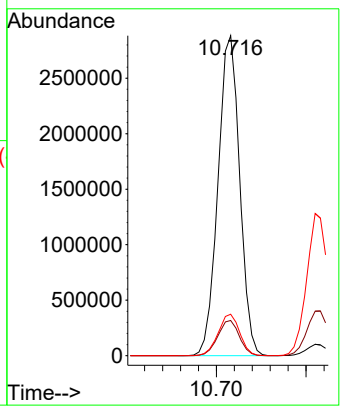


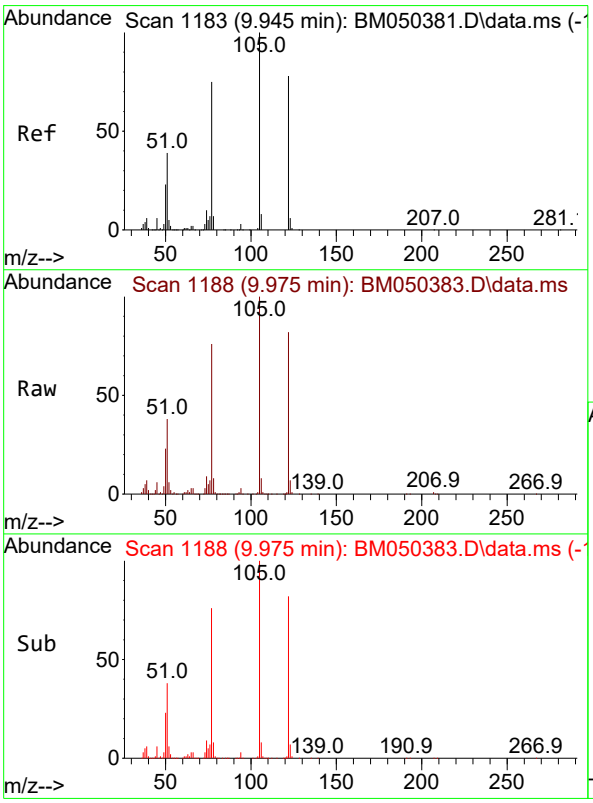

#31
Naphthalene
Concen: 60.775 ng
RT: 10.716 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:128 Resp: 4834692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.8 | 13.2 |
| 127 | 13.0 | 10.4 | 15.6 |

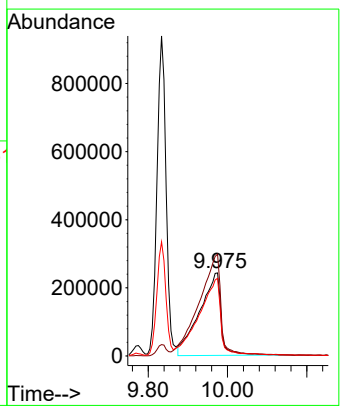


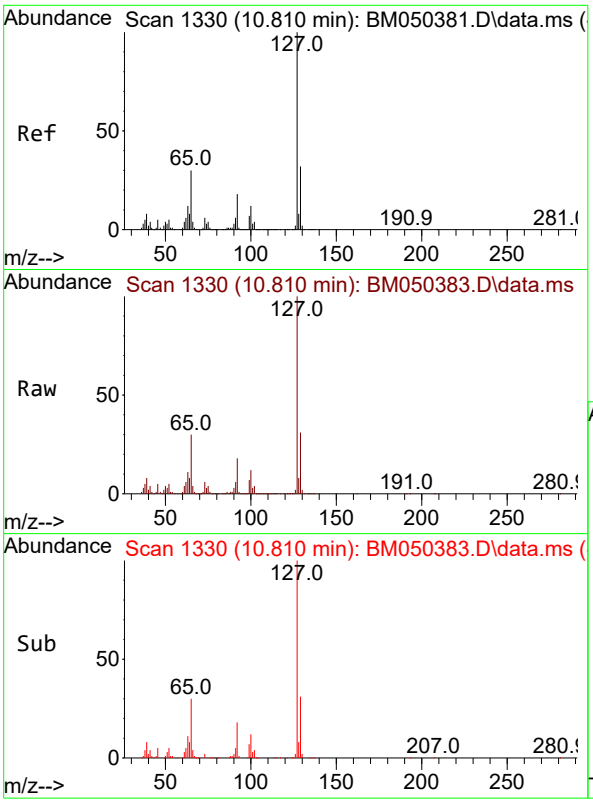




#32
Benzoic acid
Concen: 60.734 ng
RT: 9.975 min Scan# 1188
Delta R.T. 0.030 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:122 Resp: 912053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 122.5 | 104.0 | 144.0 |
| 77 | 93.4 | 73.8 | 113.8 |



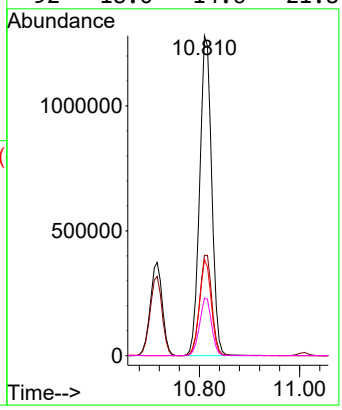


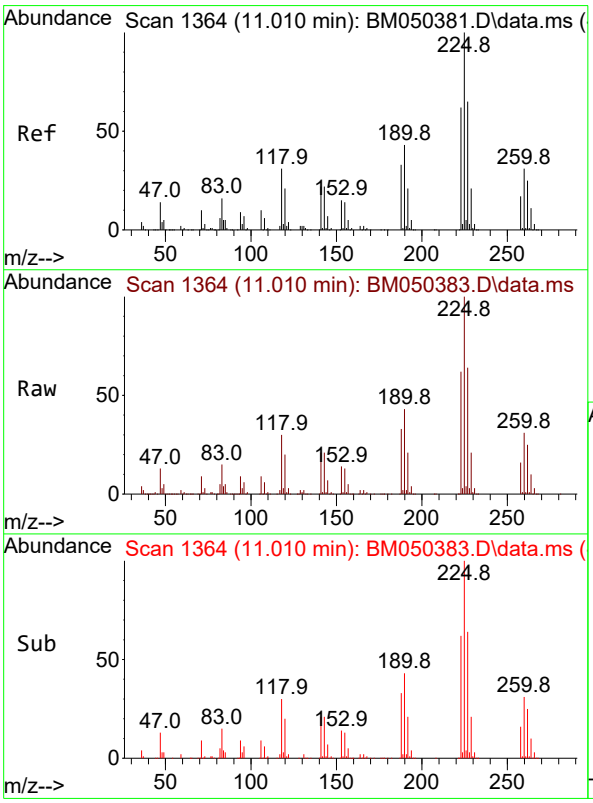

#33
4-Chloroaniline
Concen: 63.348 ng
RT: 10.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:127 Resp: 2130451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.3 | 25.5 | 38.3 |
| 65 | 30.0 | 23.9 | 35.9 |
| 92 | 18.0 | 14.6 | 21.8 |

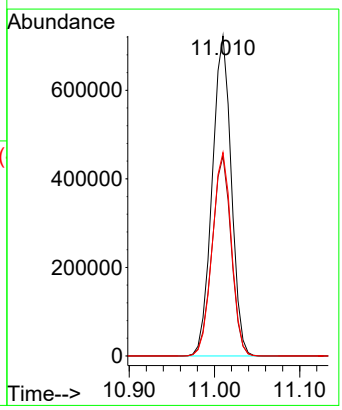


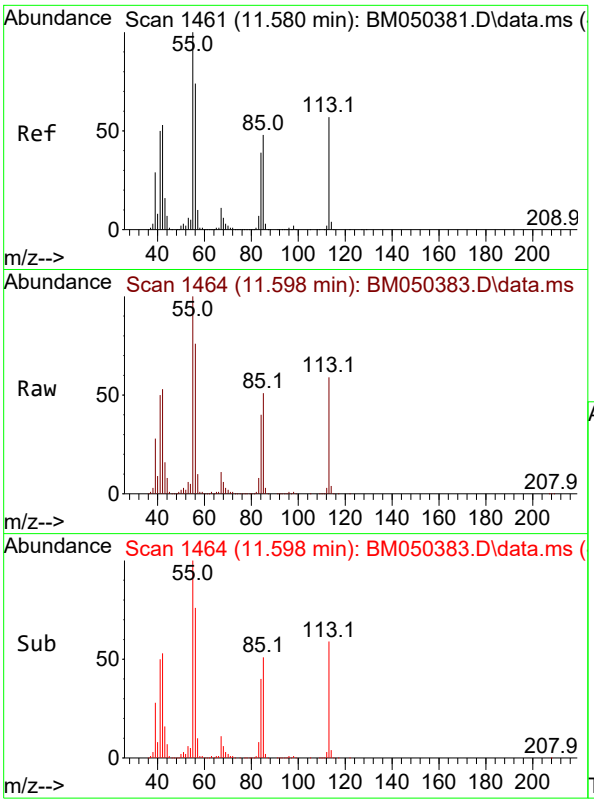




#34
Hexachlorobutadiene
Concen: 63.032 ng
RT: 11.010 min Scan# 1364
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:225 Resp: 1123283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.4 | 49.7 | 74.5 |
| 227 | 63.6 | 52.1 | 78.1 |



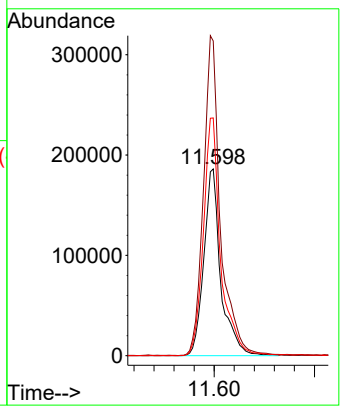


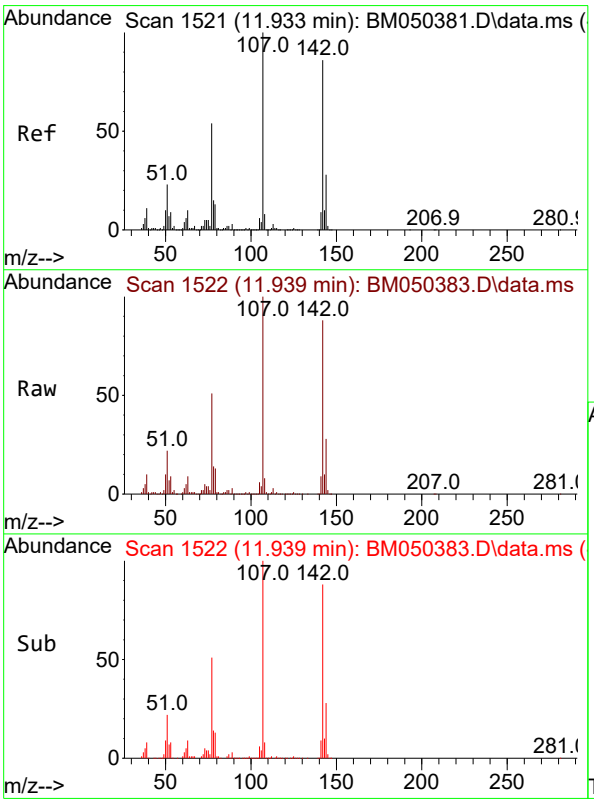

#35
Caprolactam
Concen: 65.768 ng
RT: 11.598 min Scan# 14
Delta R.T. 0.018 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:113 Resp: 438205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 168.5 | 157.2 | 197.2 |
| 56 | 127.3 | 111.7 | 151.7 |

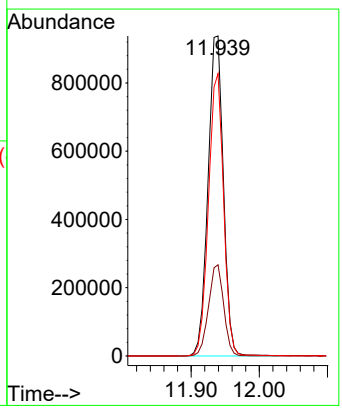


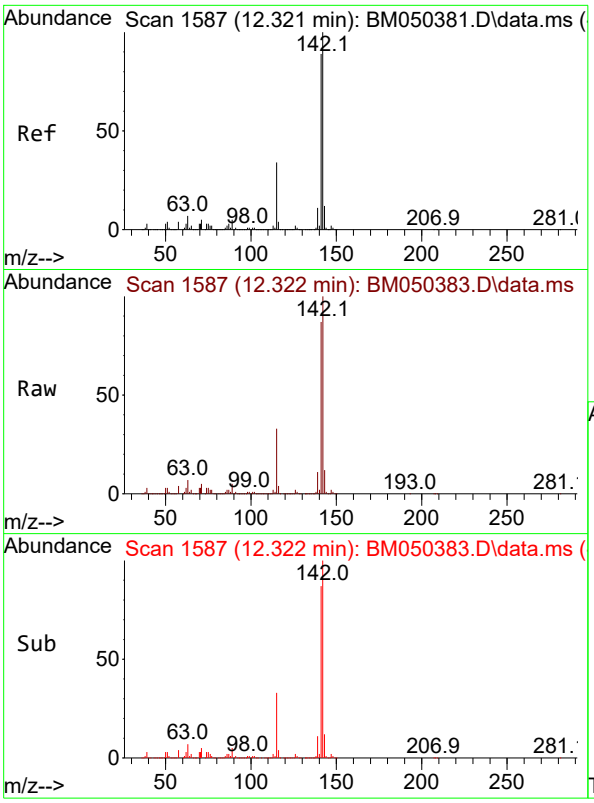




#36
4-Chloro-3-methylphenol
Concen: 64.612 ng
RT: 11.939 min Scan# 1522
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:107 Resp: 1472646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 28.5 | 22.2 | 33.4 |
| 142 | 88.2 | 68.7 | 103.1 |



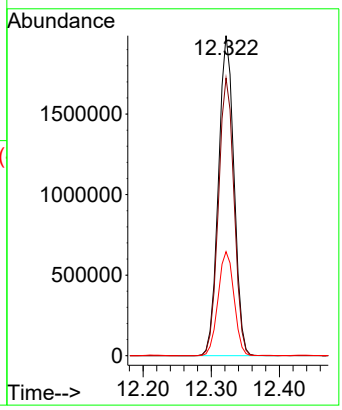


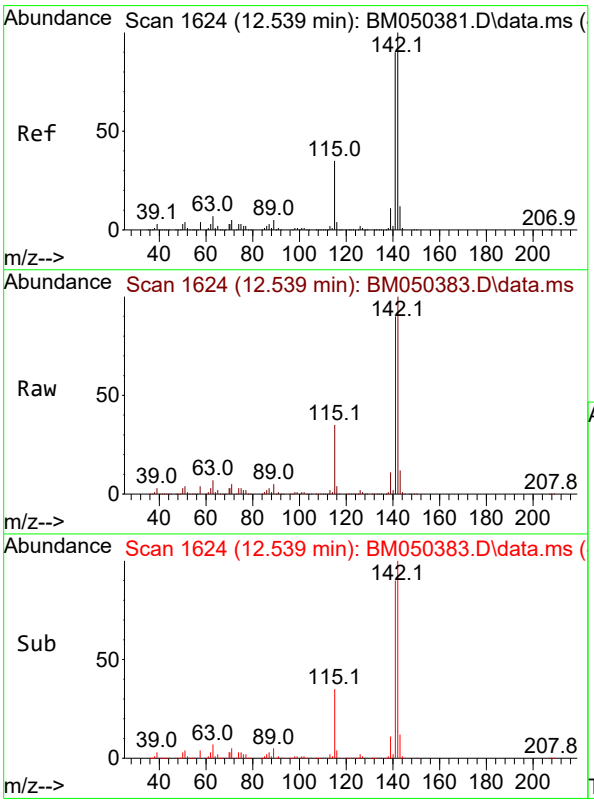

#37
2-Methylnaphthalene
Concen: 62.784 ng
RT: 12.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:142 Resp: 3153595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 86.8 | 70.8 | 106.2 |
| 115 | 32.5 | 27.0 | 40.4 |

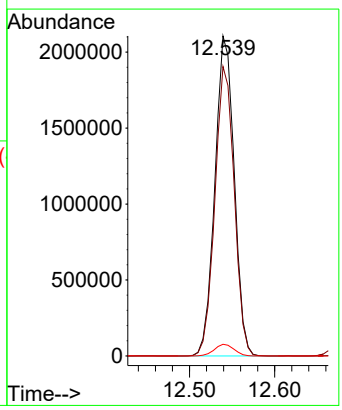


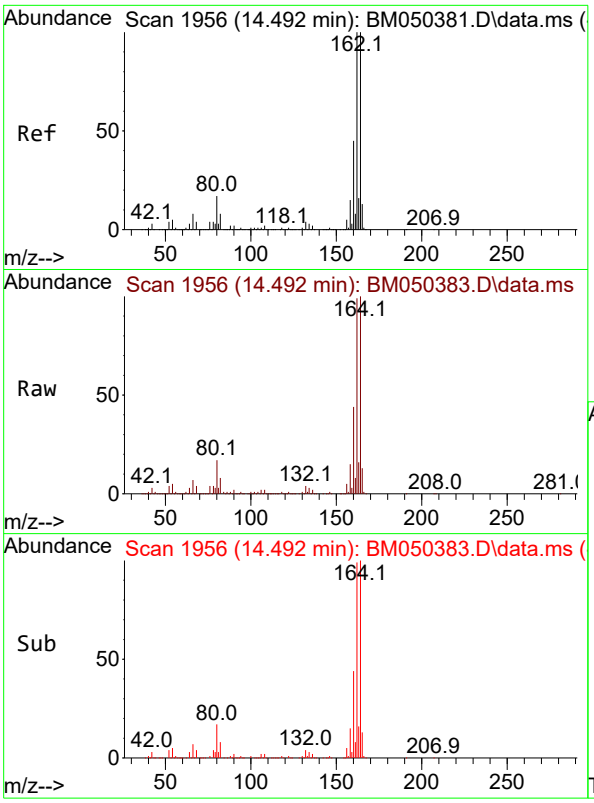




#38
1-Methylnaphthalene
Concen: 62.500 ng
RT: 12.539 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:142 Resp: 3322331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.4 | 71.9 | 107.9 |
| 116 | 3.6 | 3.0 | 4.6 |



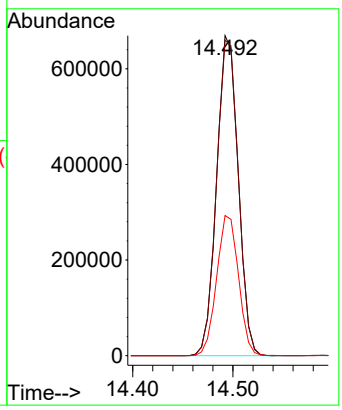


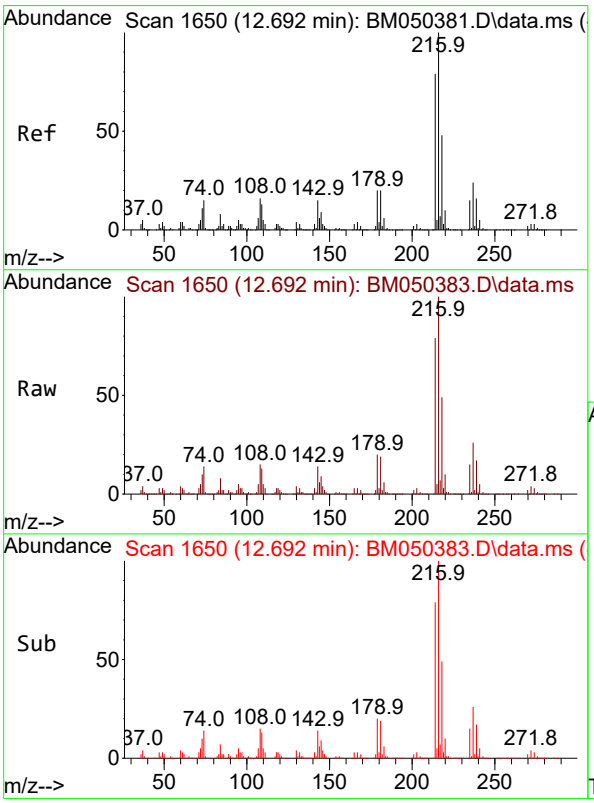

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:164 Resp: 998713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.6 | 79.9 | 119.9 |
| 160 | 43.8 | 36.2 | 54.4 |

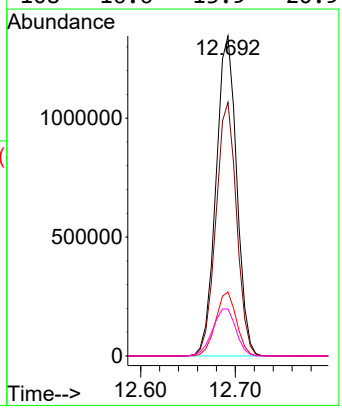


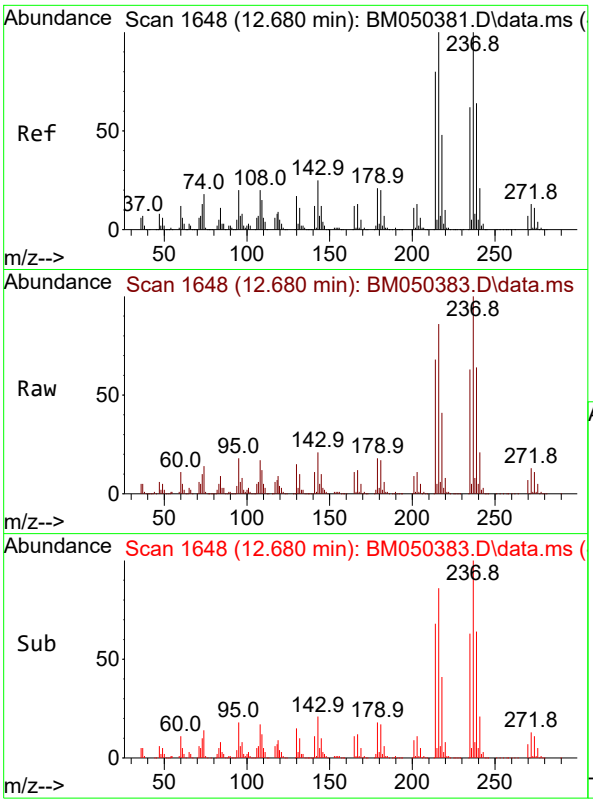




#40
1,2,4,5-Tetrachlorobenzene
Concen: 64.436 ng
RT: 12.692 min Scan# 1650
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:216 Resp: 2046472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.9 | 63.3 | 94.9 |
| 179 | 20.1 | 16.4 | 24.6 |
| 108 | 16.6 | 13.9 | 20.9 |



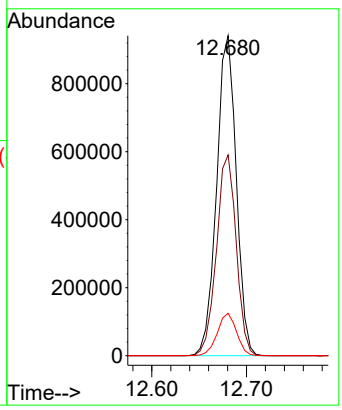


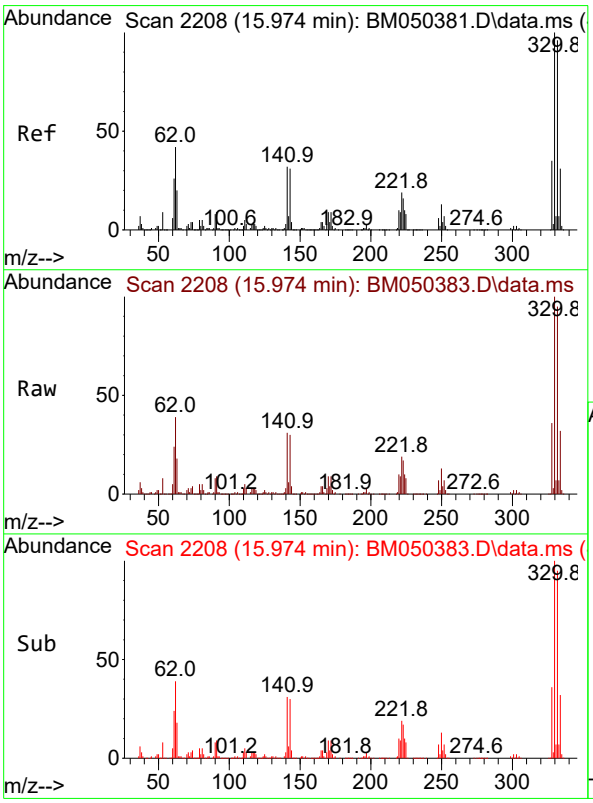

#41
Hexachlorocyclopentadiene
Concen: 66.942 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:237 Resp: 1359023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.8 | 42.3 | 82.3 |
| 272 | 13.3 | 0.0 | 33.0 |

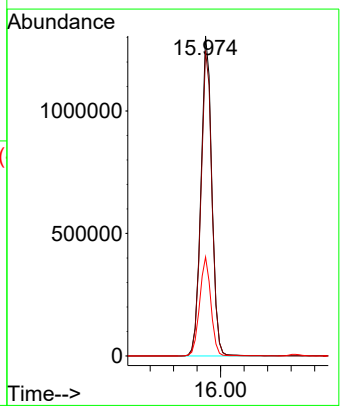


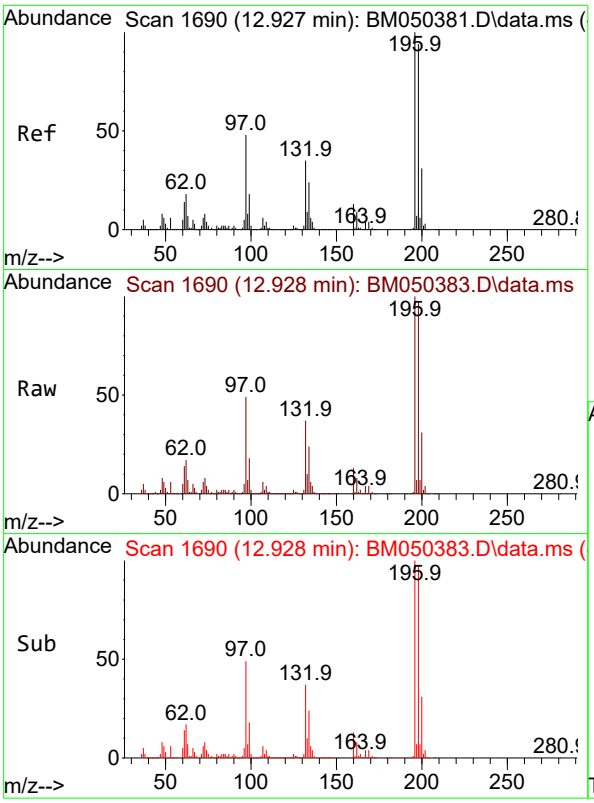




#42
2,4,6-Tribromophenol
Concen: 138.460 ng
RT: 15.974 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:330 Resp: 1680132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.2 | 76.9 | 115.3 |
| 141 | 31.9 | 27.4 | 41.0 |



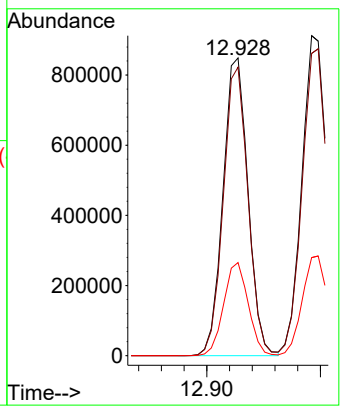


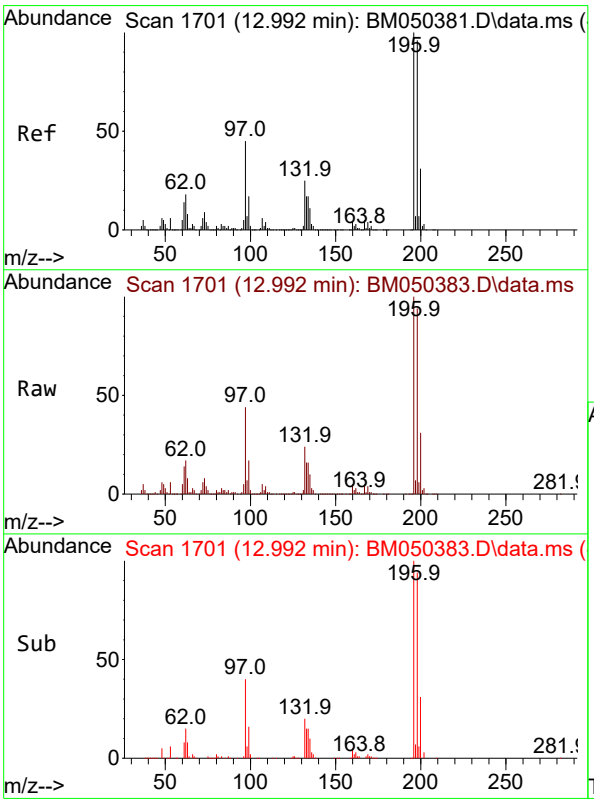

#43
2,4,6-Trichlorophenol
Concen: 66.483 ng
RT: 12.928 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:196 Resp: 1299719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.8 | 75.1 | 112.7 |
| 200 | 31.3 | 24.6 | 37.0 |

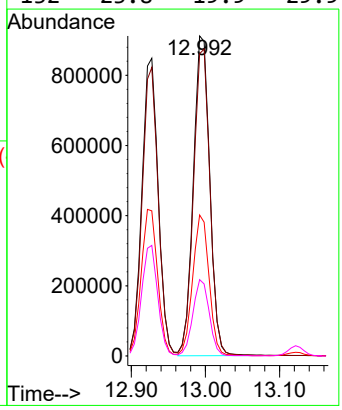


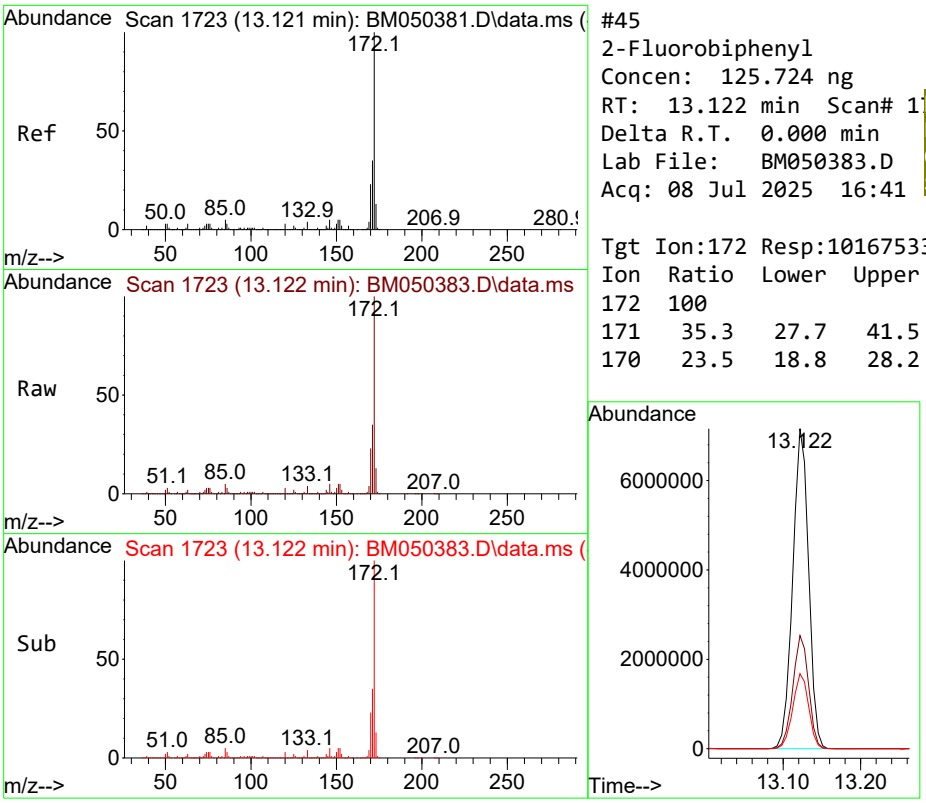




#44
2,4,5-Trichlorophenol
Concen: 65.913 ng
RT: 12.992 min Scan# 1701
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:196 Resp: 1407280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.5 | 77.2 | 115.8 |
| 97 | 44.0 | 36.2 | 54.4 |
| 132 | 23.8 | 19.9 | 29.9 |





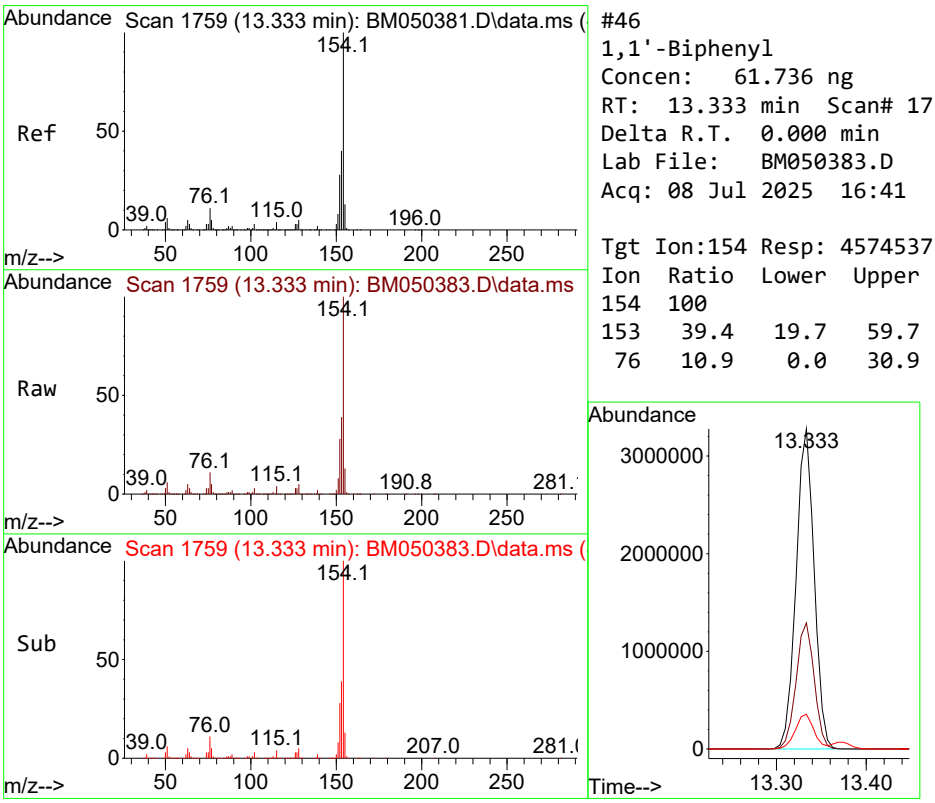

#45
2-Fluorobiphenyl
Concen: 125.724 ng
RT: 13.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:172 Resp:10167533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 27.7 | 41.5 |
| 170 | 23.5 | 18.8 | 28.2 |

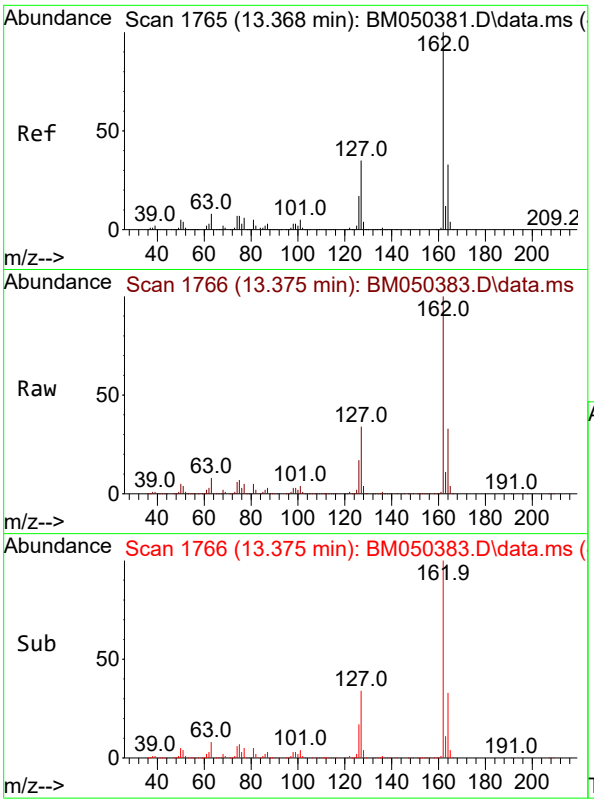



#46
1,1'-Biphenyl
Concen: 61.736 ng
RT: 13.333 min Scan# 1759
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:154 Resp: 4574537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.4 | 19.7 | 59.7 |
| 76 | 10.9 | 0.0 | 30.9 |

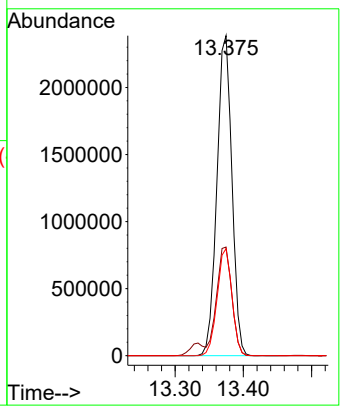


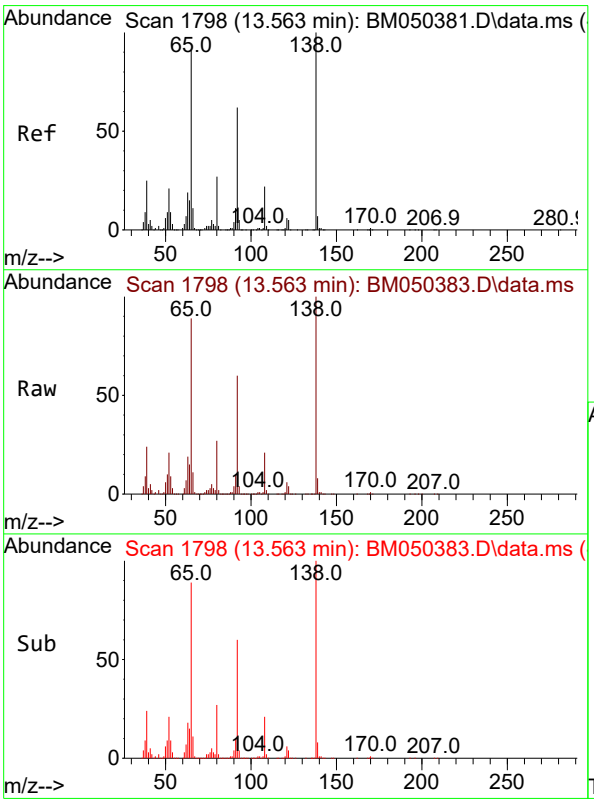

#47
2-Chloronaphthalene
Concen: 61.699 ng
RT: 13.375 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:162 Resp: 3645124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 34.0 | 28.3 | 42.5 |
| 164 | 33.4 | 26.6 | 40.0 |

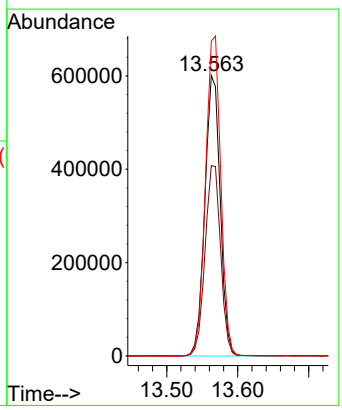


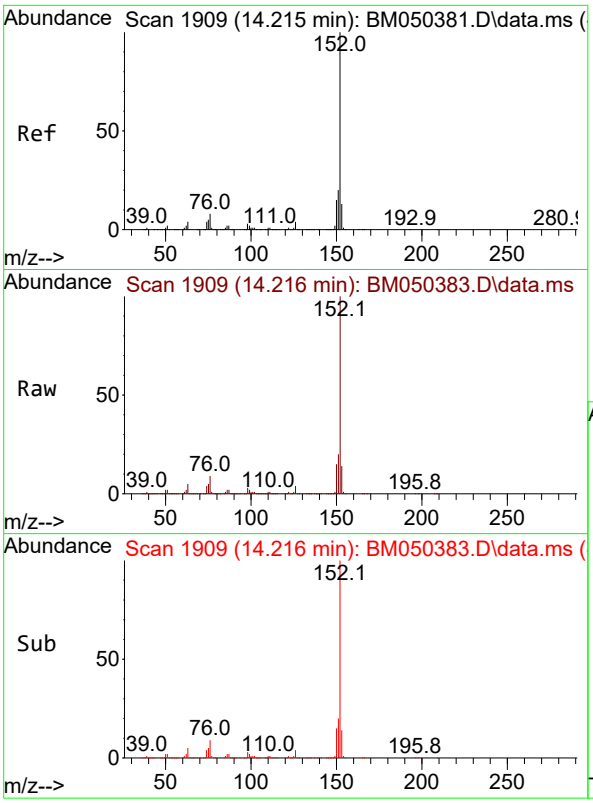




#48
2-Nitroaniline
Concen: 68.554 ng
RT: 13.563 min Scan# 1798
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion: 65 Resp: 904021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 67.9 | 54.3 | 81.5 |
| 138 | 112.3 | 87.8 | 131.6 |



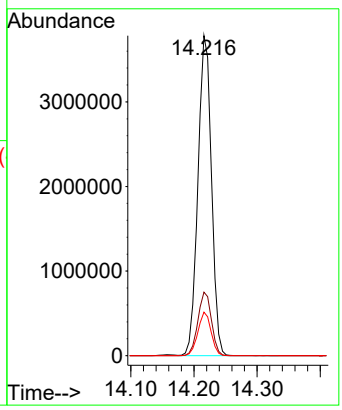


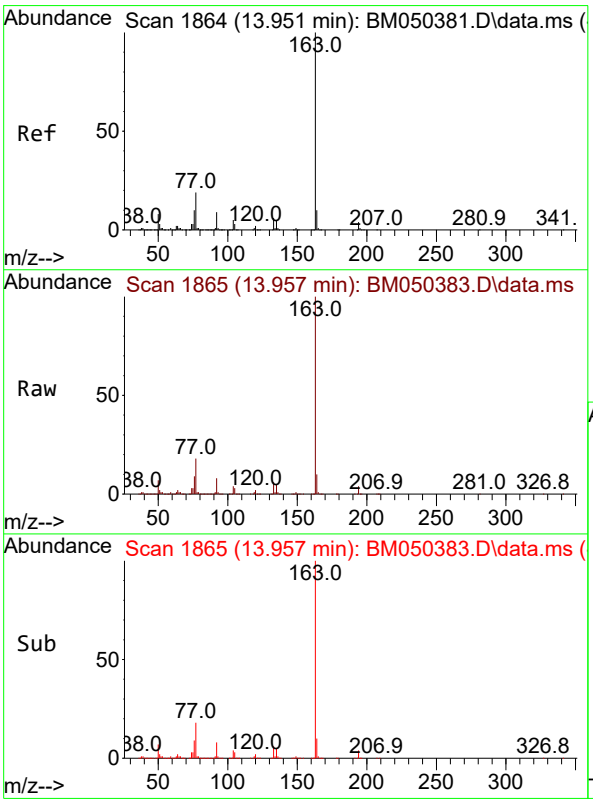

#49
Acenaphthylene
Concen: 62.931 ng
RT: 14.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:152 Resp: 5618754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.9 | 16.3 | 24.5 |
| 153 | 13.6 | 10.6 | 15.8 |

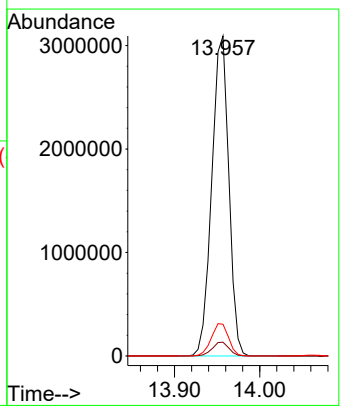


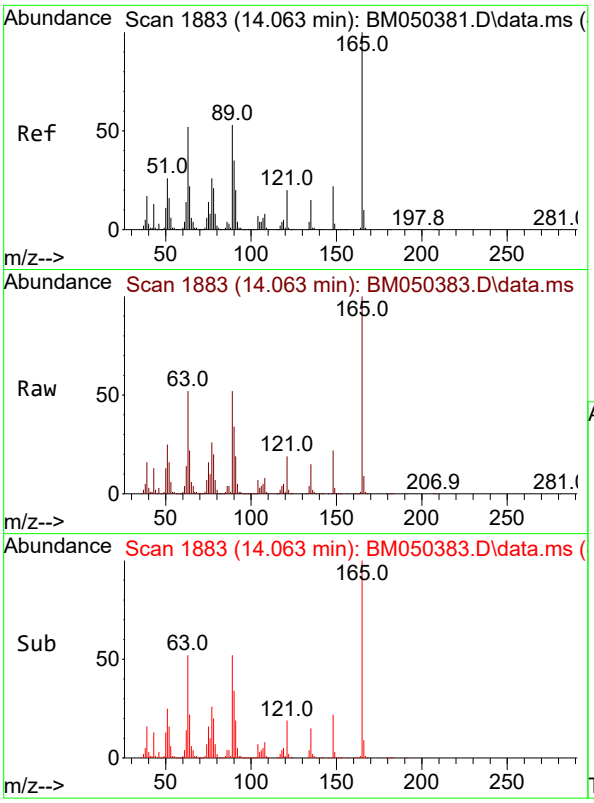




#50
Dimethylphthalate
Concen: 62.407 ng
RT: 13.957 min Scan# 1865
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:163 Resp: 4291046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.4 | 5.2 |
| 164 | 9.9 | 8.2 | 12.2 |



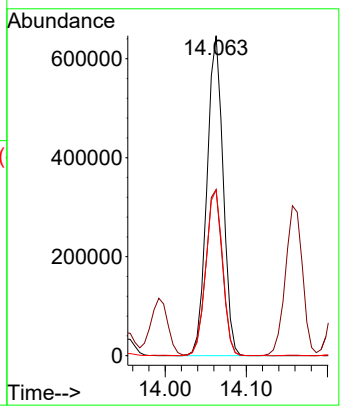


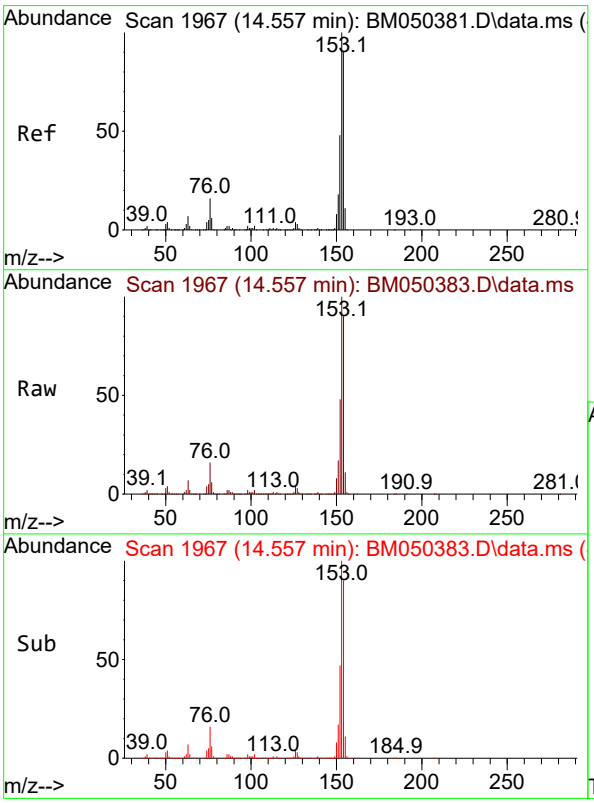

#51
2,6-Dinitrotoluene
Concen: 67.510 ng
RT: 14.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:165 Resp: 891260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 51.9 | 42.4 | 63.6 |
| 89 | 51.8 | 42.2 | 63.2 |

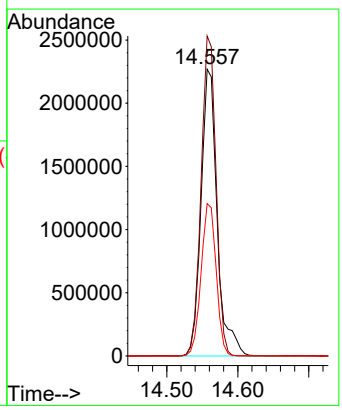


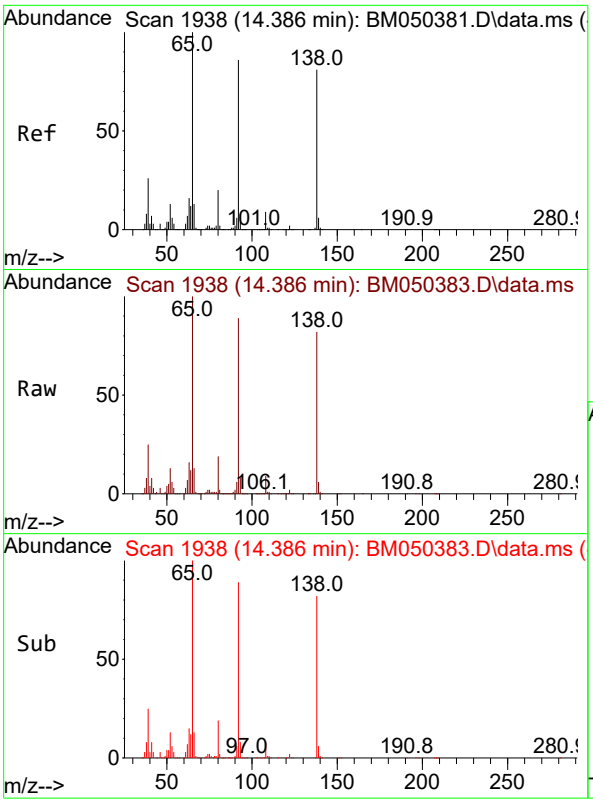




#52
Acenaphthene
Concen: 63.105 ng
RT: 14.557 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:154 Resp: 3582059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.6 | 89.2 | 133.8 |
| 152 | 53.1 | 42.6 | 64.0 |



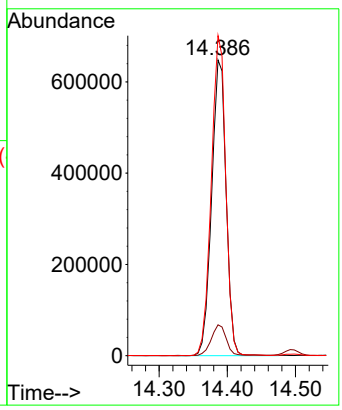


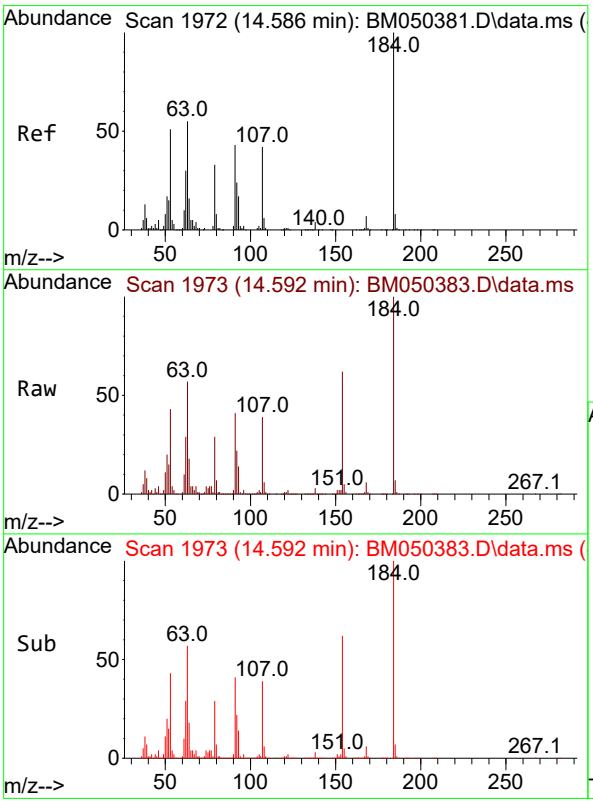

#53
3-Nitroaniline
Concen: 68.179 ng
RT: 14.386 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:138 Resp: 957239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.5 | 8.8 | 13.2 |
| 92 | 108.2 | 85.0 | 127.6 |

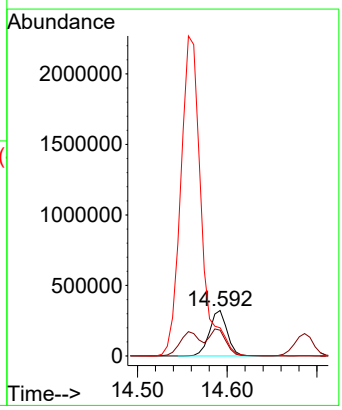


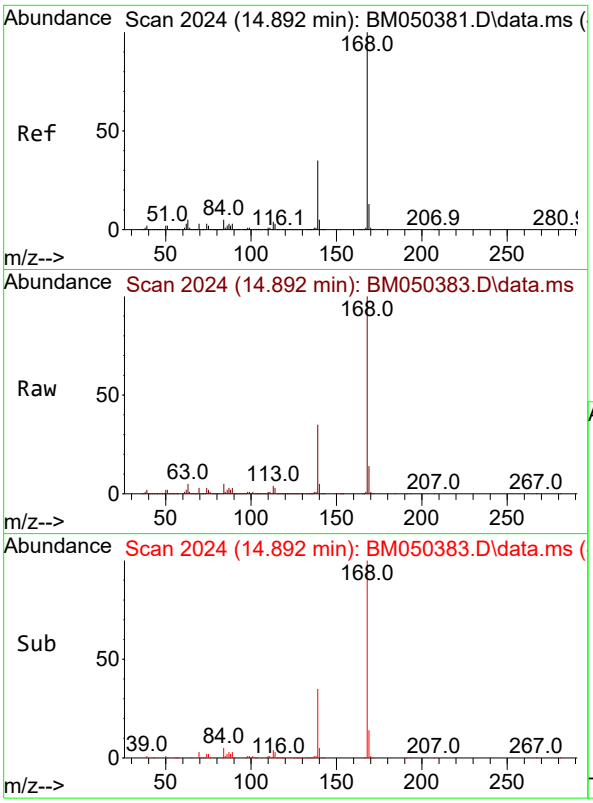




#54
2,4-Dinitrophenol
Concen: 61.898 ng
RT: 14.592 min Scan# 1973
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:184 Resp: 439445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 56.9 | 53.4 | 80.0 |
| 154 | 62.1 | 61.6 | 92.4 |



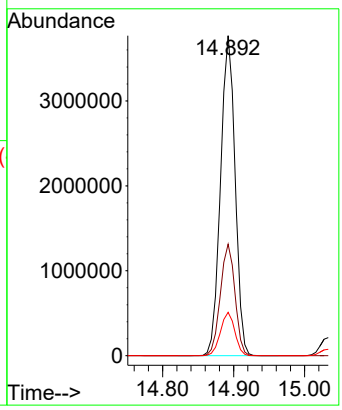


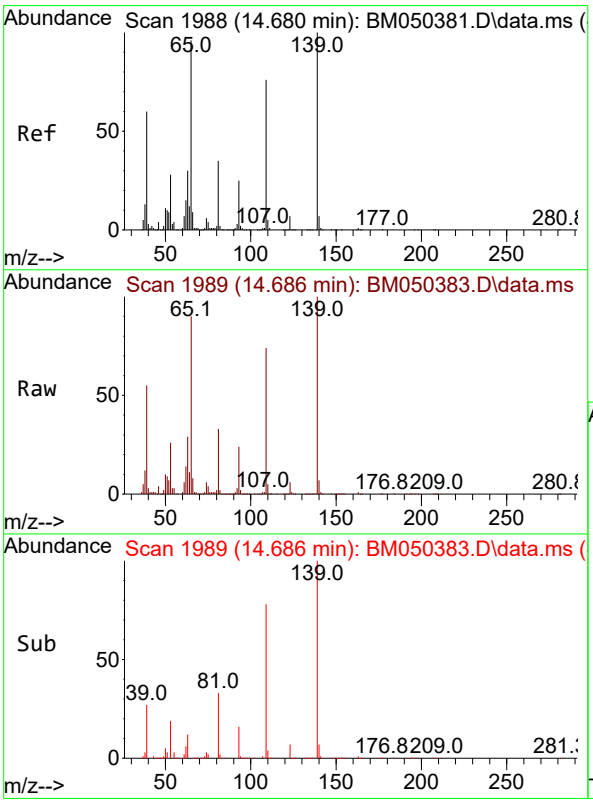

#55
Dibenzofuran
Concen: 61.102 ng
RT: 14.892 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:168 Resp: 5344109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 34.8 | 27.7 | 41.5 |
| 169 | 13.5 | 10.7 | 16.1 |

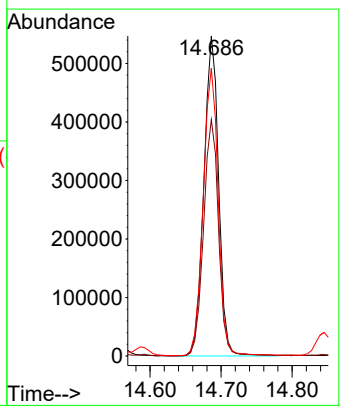


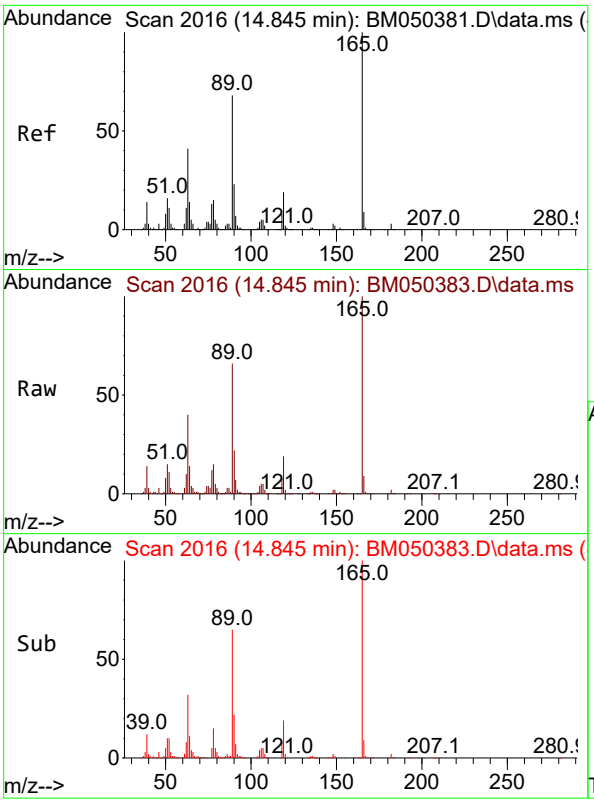




#56
4-Nitrophenol
Concen: 65.804 ng
RT: 14.686 min Scan# 1989
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:139 Resp: 794516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 73.8 | 56.5 | 96.5 |
| 65 | 89.9 | 76.4 | 116.4 |



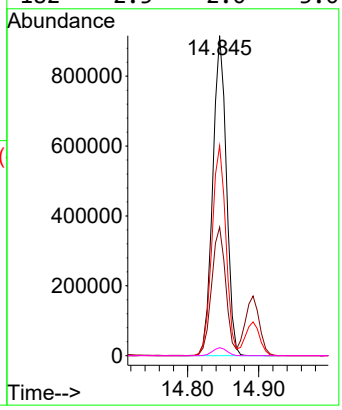


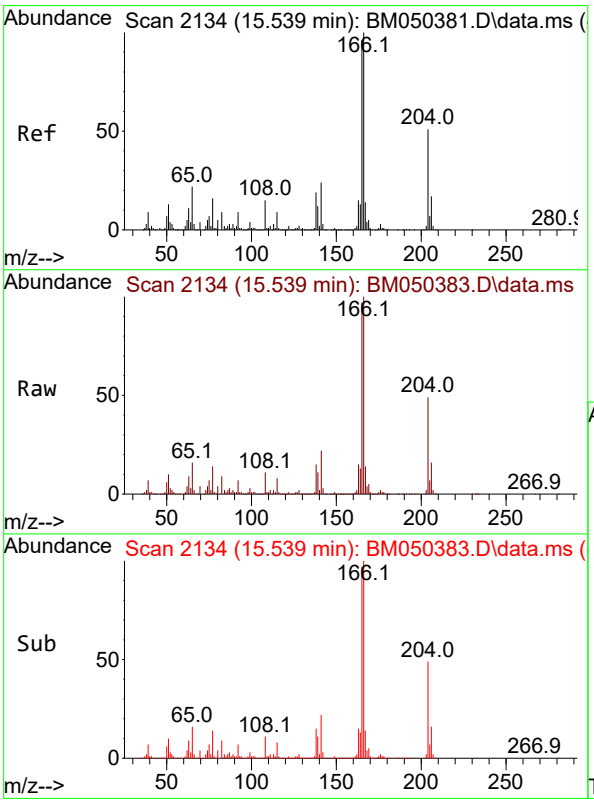

#57
2,4-Dinitrotoluene
Concen: 60.887 ng
RT: 14.845 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:165 Resp: 1218665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 40.2 | 32.5 | 48.7 |
| 89 | 65.6 | 54.0 | 81.0 |
| 182 | 2.5 | 2.0 | 3.0 |

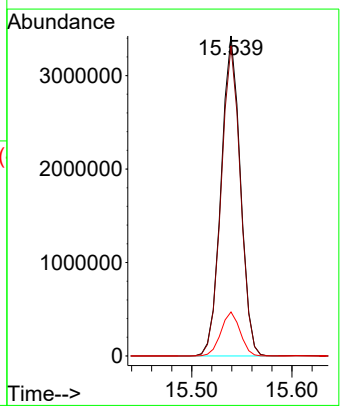


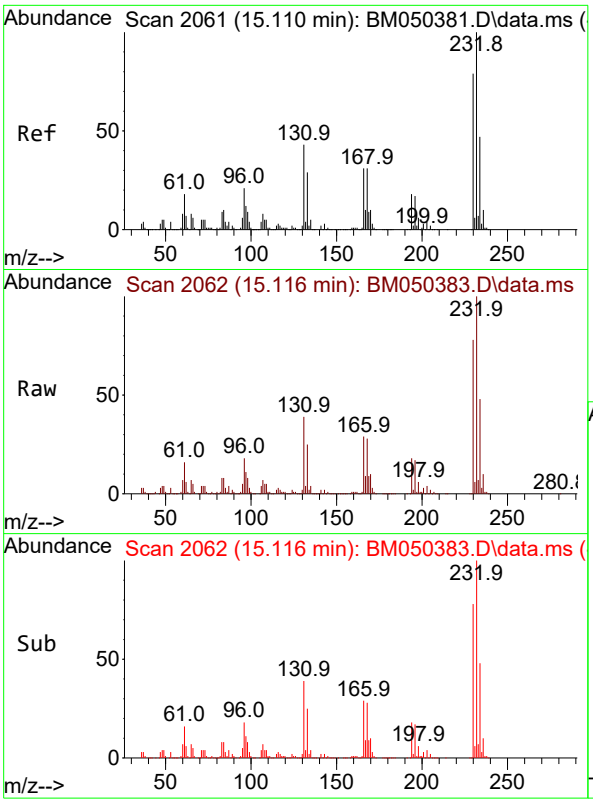




#58
Fluorene
Concen: 63.309 ng
RT: 15.539 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:166 Resp: 4560797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.9 | 77.0 | 115.6 |
| 167 | 13.8 | 10.9 | 16.3 |



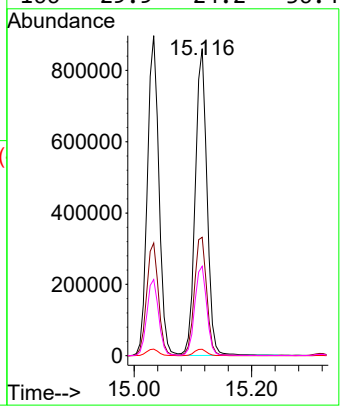


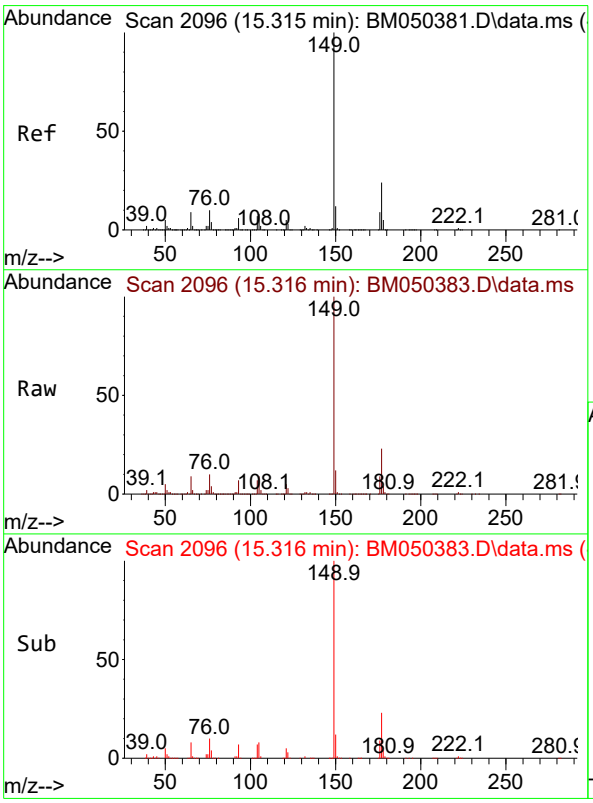

#59
2,3,4,6-Tetrachlorophenol
Concen: 66.202 ng
RT: 15.116 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:232 Resp: 1189838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 40.7 | 33.4 | 50.0 |
| 130 | 2.2 | 1.8 | 2.6 |
| 166 | 29.9 | 24.2 | 36.4 |

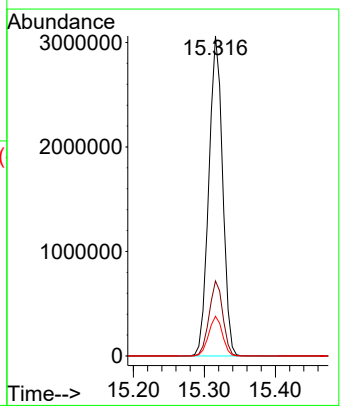


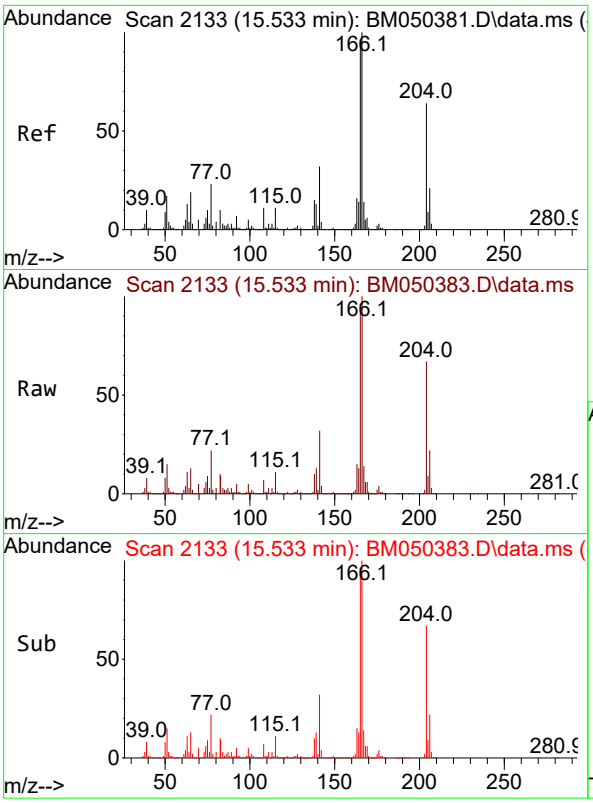




#60
Diethylphthalate
Concen: 62.882 ng
RT: 15.316 min Scan# 2096
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:149 Resp: 4130183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 23.5 | 18.8 | 28.2 |
| 150 | 12.4 | 9.8 | 14.8 |



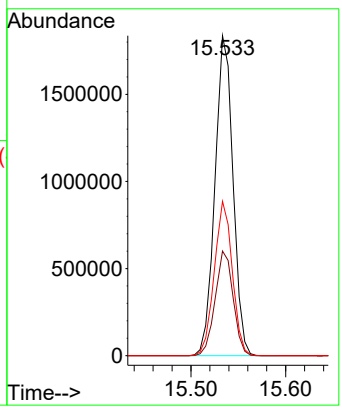


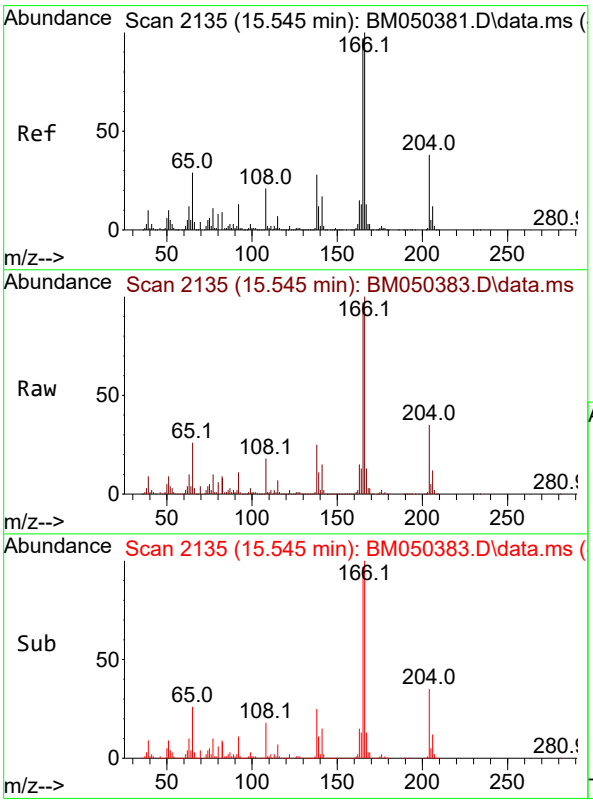

#61
4-Chlorophenyl-phenylether
Concen: 64.533 ng
RT: 15.533 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:204 Resp: 2430909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.7 | 26.6 | 39.8 |
| 141 | 48.2 | 39.9 | 59.9 |

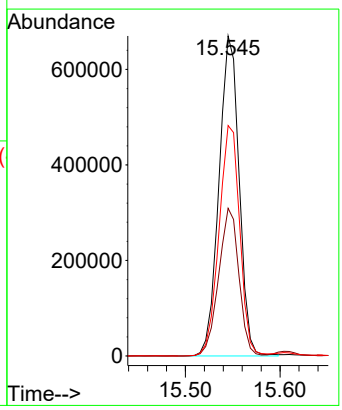


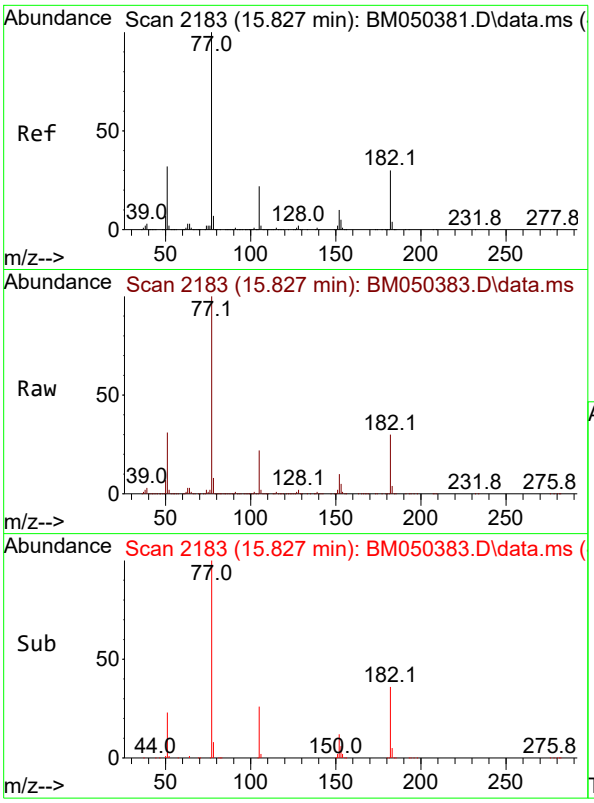




#62
4-Nitroaniline
Concen: 60.686 ng
RT: 15.545 min Scan# 2135
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:138 Resp: 991212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 46.2 | 24.5 | 64.5 |
| 108 | 72.0 | 52.5 | 92.5 |



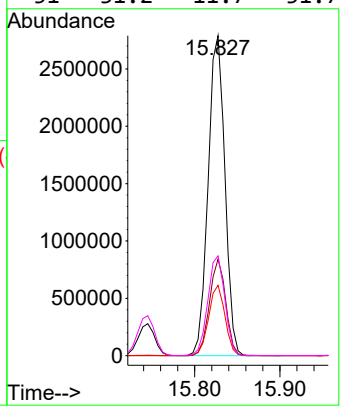


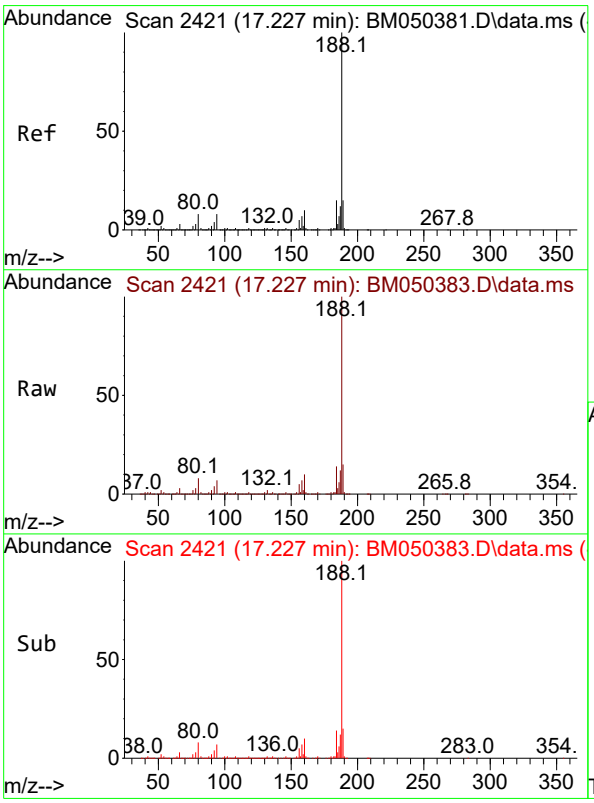

#63
Azobenzene
Concen: 63.206 ng
RT: 15.827 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion: 77 Resp: 3812033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 30.1 | 10.0 | 50.0 |
| 105 | 22.0 | 2.0 | 42.0 |
| 51 | 31.2 | 11.7 | 51.7 |

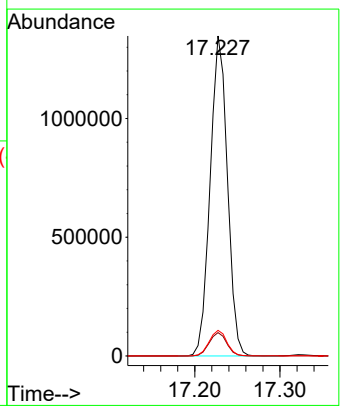


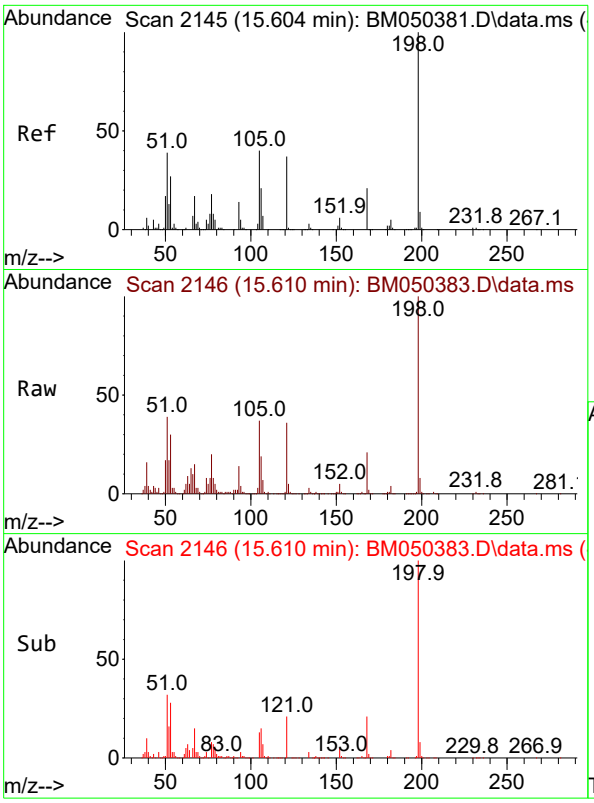




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2421
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:188 Resp: 1896999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.3 | 6.0 | 9.0 |
| 80 | 8.0 | 6.5 | 9.7 |



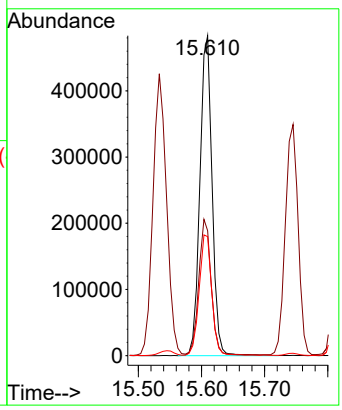


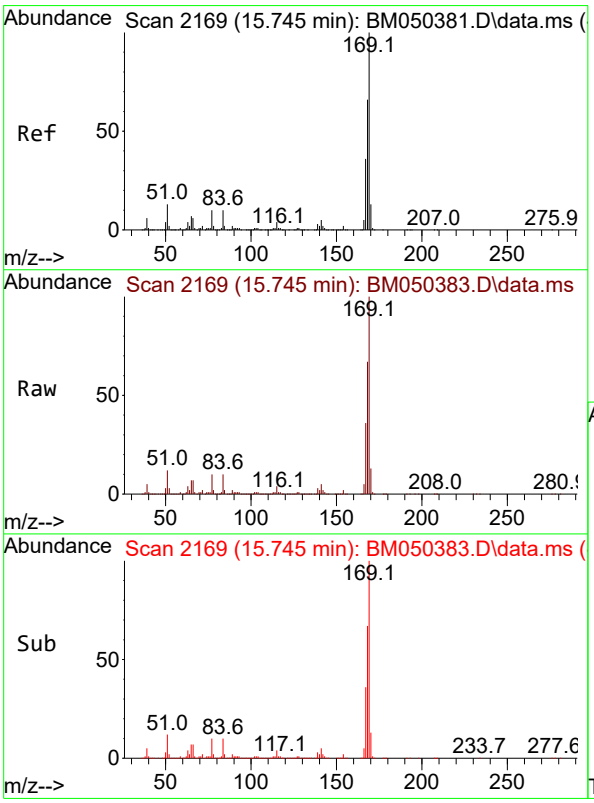

#65
4,6-Dinitro-2-methylphenol
Concen: 61.235 ng
RT: 15.610 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:198 Resp: 645034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 39.1 | 26.6 | 66.6 |
| 105 | 37.2 | 20.9 | 60.9 |

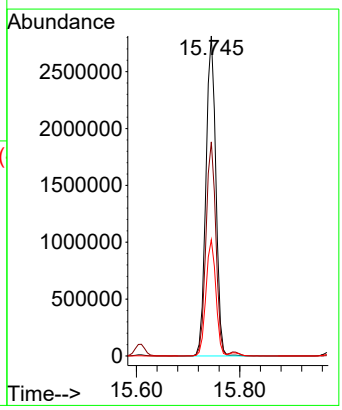


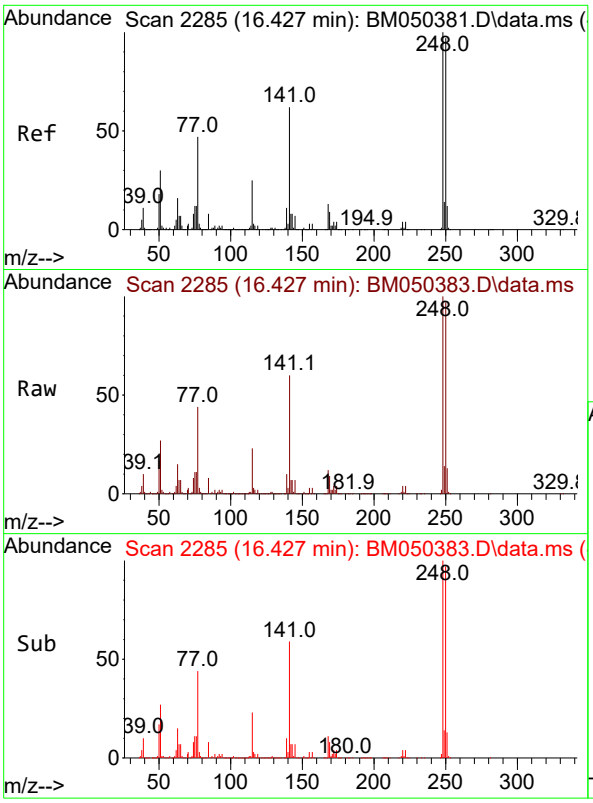




#66
n-Nitrosodiphenylamine
Concen: 63.087 ng
RT: 15.745 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:169 Resp: 3744872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.9 | 53.2 | 79.8 |
| 167 | 36.3 | 28.7 | 43.1 |



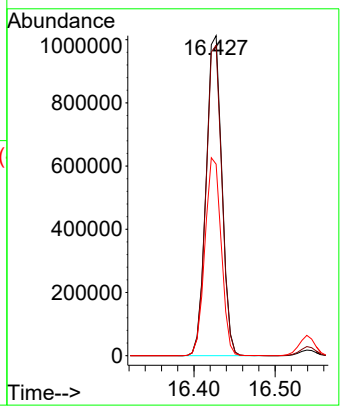


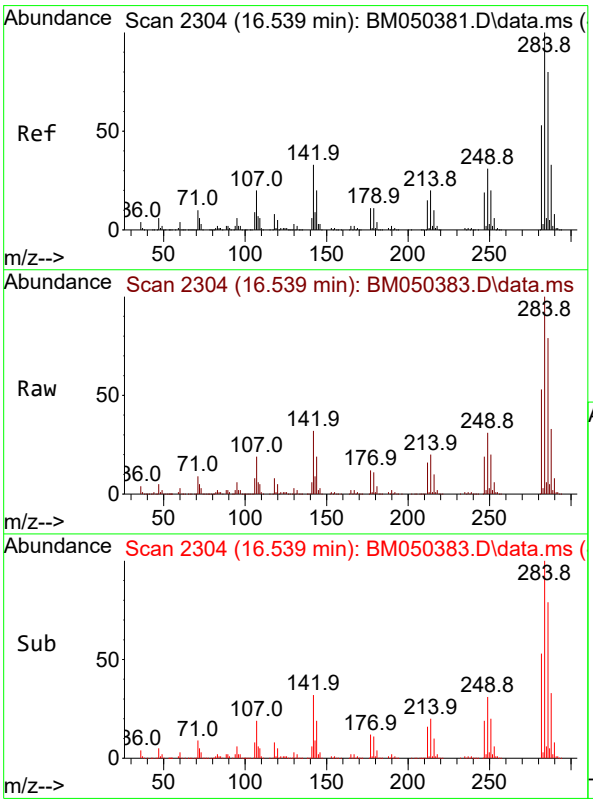

#67
4-Bromophenyl-phenylether
Concen: 65.485 ng
RT: 16.427 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:248 Resp: 1368680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.0 | 77.9 | 116.9 |
| 141 | 59.8 | 49.7 | 74.5 |

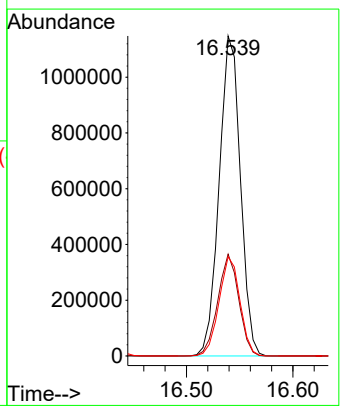


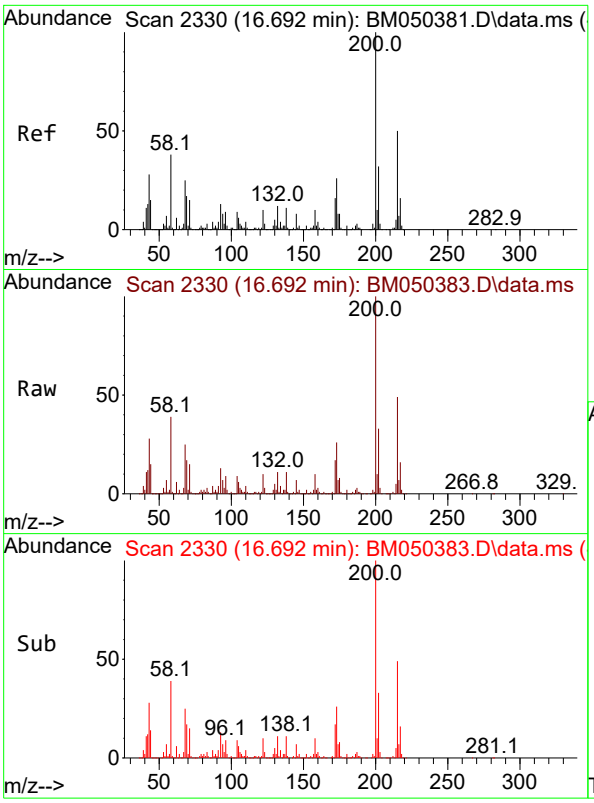




#68
Hexachlorobenzene
Concen: 64.288 ng
RT: 16.539 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:284 Resp: 1586965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.8 | 26.8 | 40.2 |
| 249 | 31.0 | 24.5 | 36.7 |



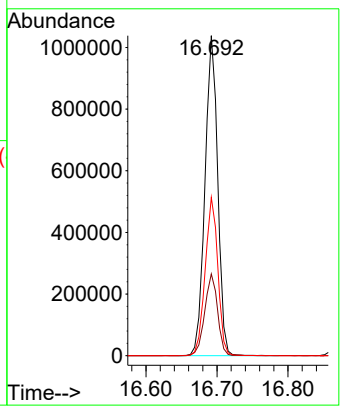


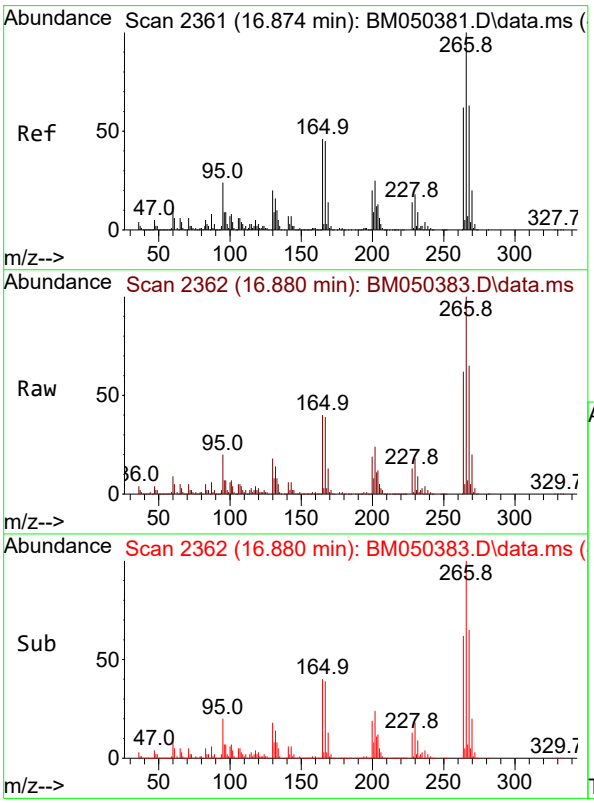

#69
Atrazine
Concen: 66.510 ng
RT: 16.692 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:200 Resp: 1296405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.5 | 5.6 | 45.6 |
| 215 | 49.5 | 29.6 | 69.6 |

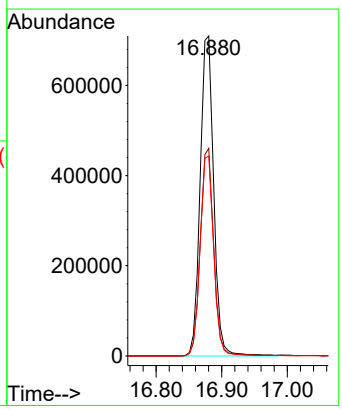


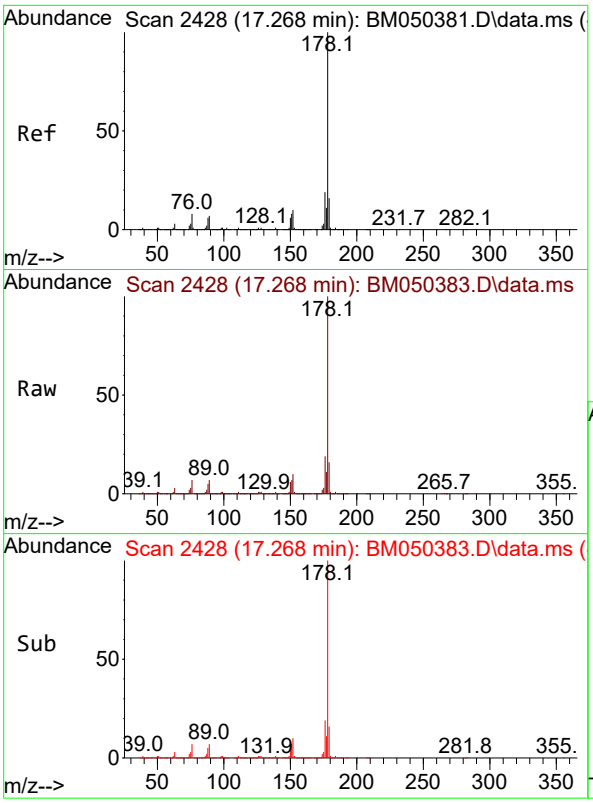




#70
Pentachlorophenol
Concen: 66.535 ng
RT: 16.880 min Scan# 2362
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:266 Resp: 1022433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.9 | 50.5 | 75.7 |
| 264 | 62.5 | 49.9 | 74.9 |



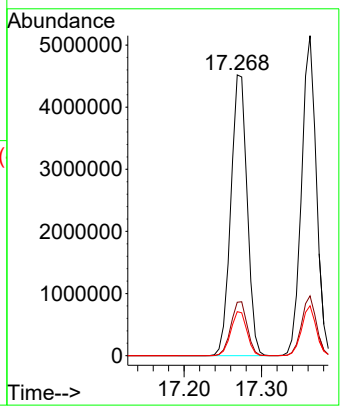


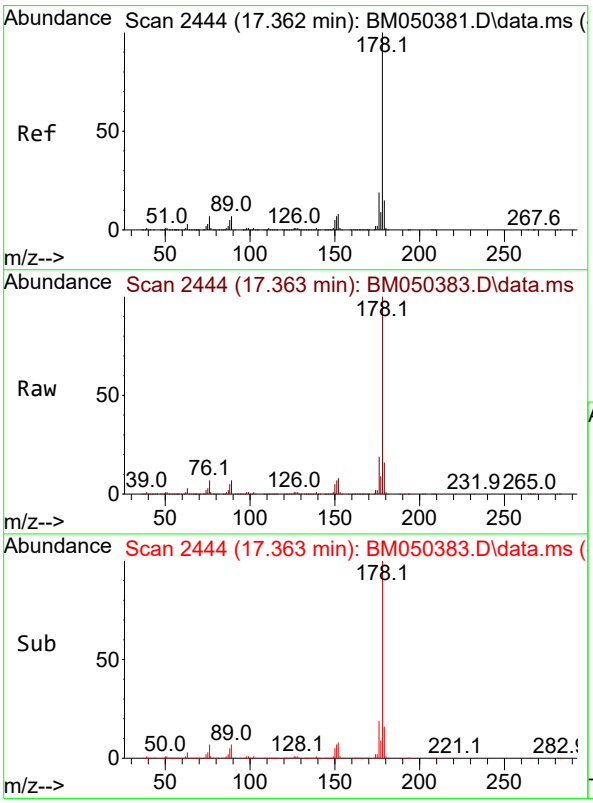

#71
Phenanthrene
Concen: 61.658 ng
RT: 17.268 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:178 Resp: 6618592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.4 | 23.0 |
| 179 | 15.7 | 12.5 | 18.7 |

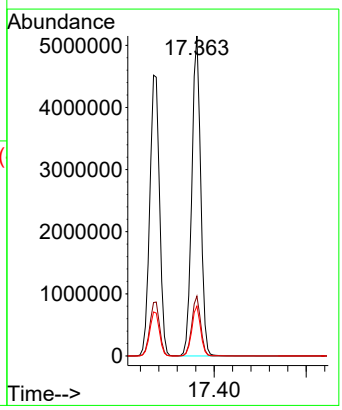


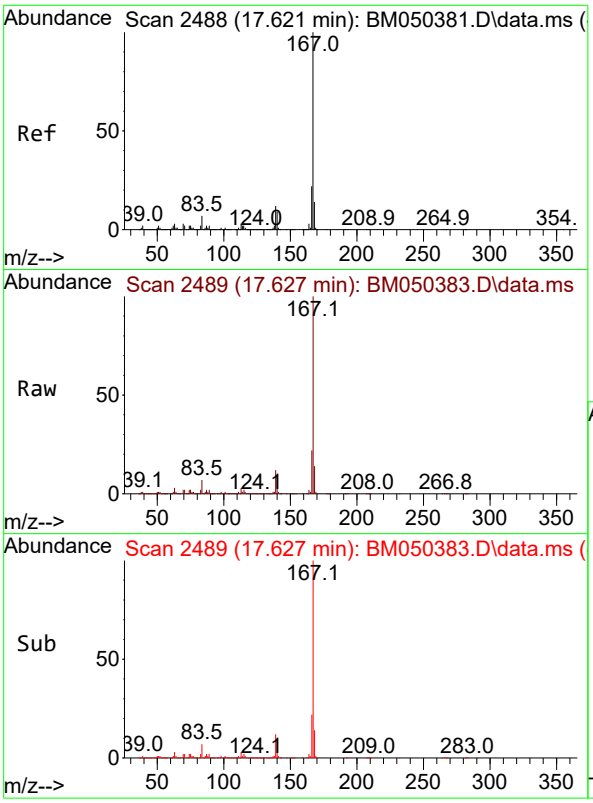




#72
Anthracene
Concen: 64.102 ng
RT: 17.363 min Scan# 2444
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:178 Resp: 6849285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 14.9 | 22.3 |
| 179 | 15.6 | 12.2 | 18.4 |



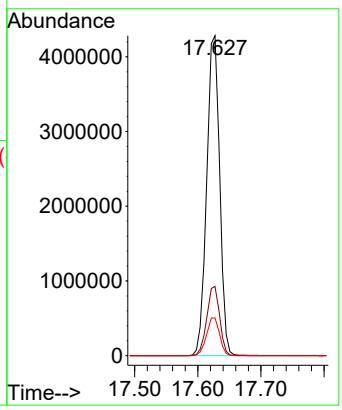


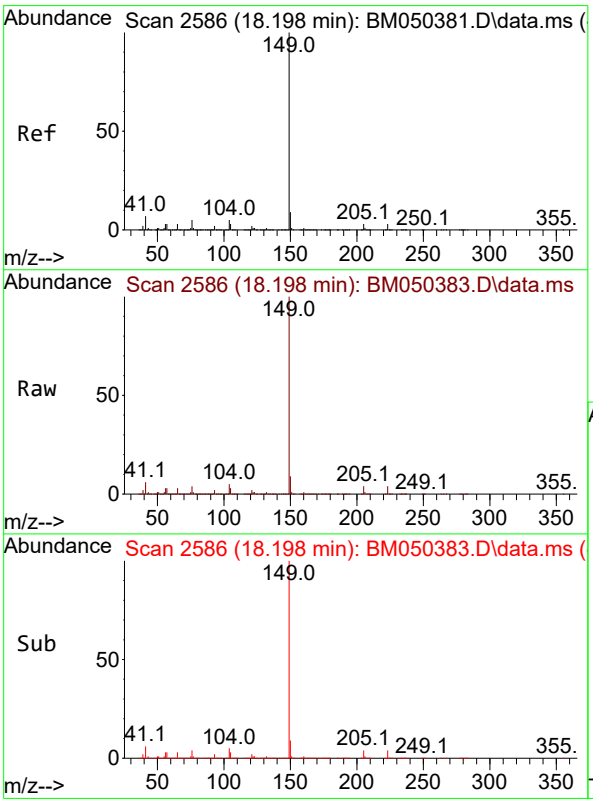

#73
Carbazole
Concen: 63.161 ng
RT: 17.627 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:167 Resp: 6106388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.6 | 17.2 | 25.8 |
| 139 | 11.8 | 9.9 | 14.9 |

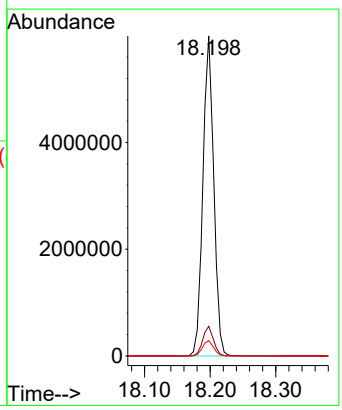


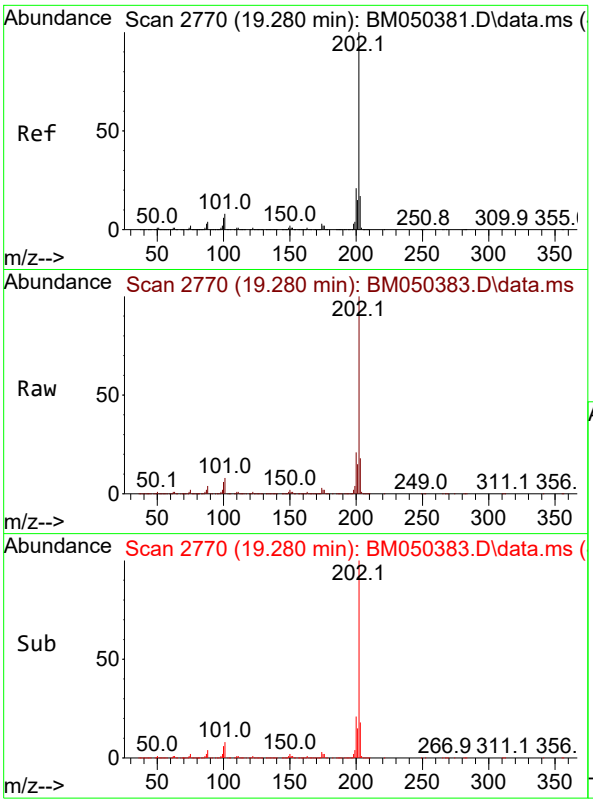




#74
Di-n-butylphthalate
Concen: 65.398 ng
RT: 18.198 min Scan# 2586
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:149 Resp: 6920453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.3 | 10.9 |
| 104 | 4.8 | 3.9 | 5.9 |



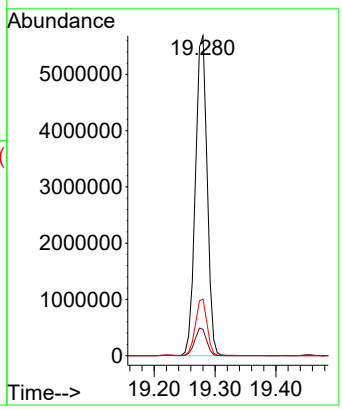


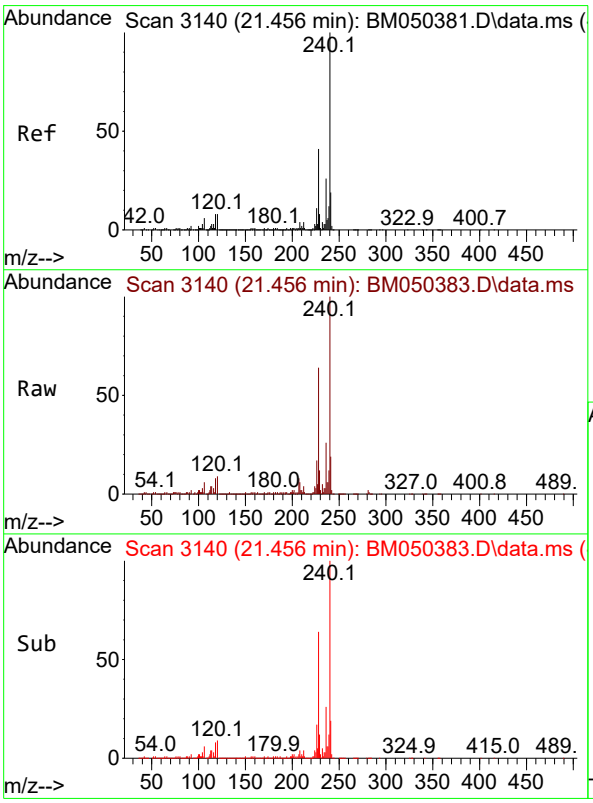

#75
Fluoranthene
Concen: 65.290 ng
RT: 19.280 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:202 Resp: 7618952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.3 | 0.0 | 28.3 |
| 203 | 17.7 | 0.0 | 37.2 |

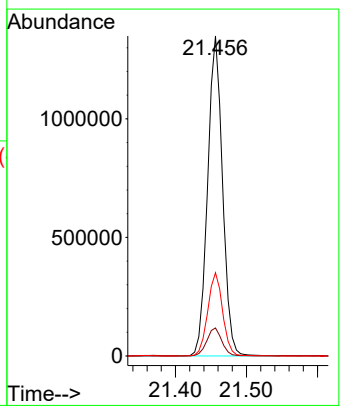


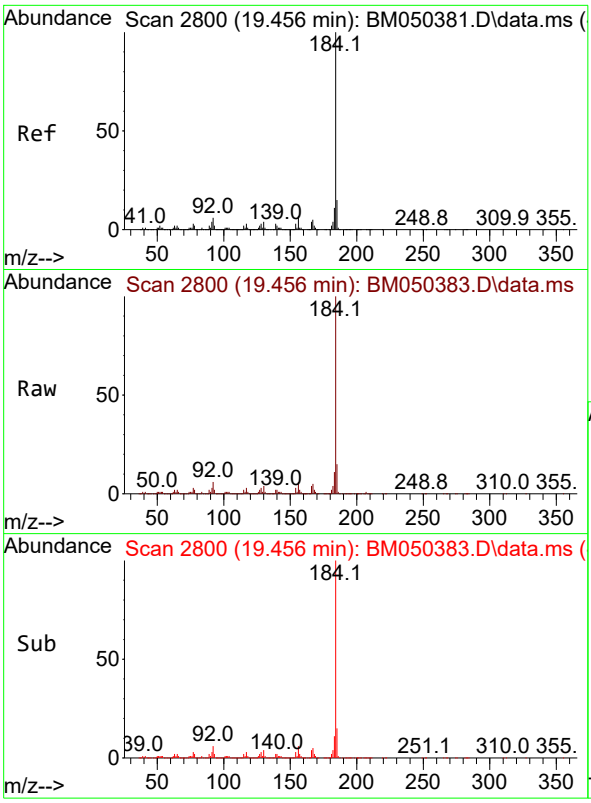




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.456 min Scan# 3140
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:240 Resp: 1968054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.8 | 6.7 | 10.1 |
| 236 | 26.0 | 20.7 | 31.1 |



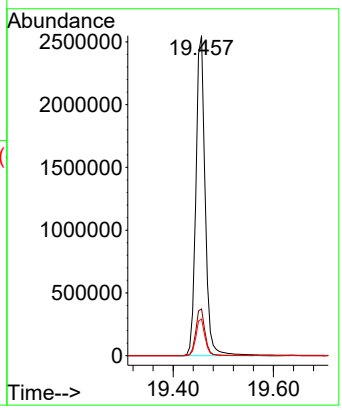


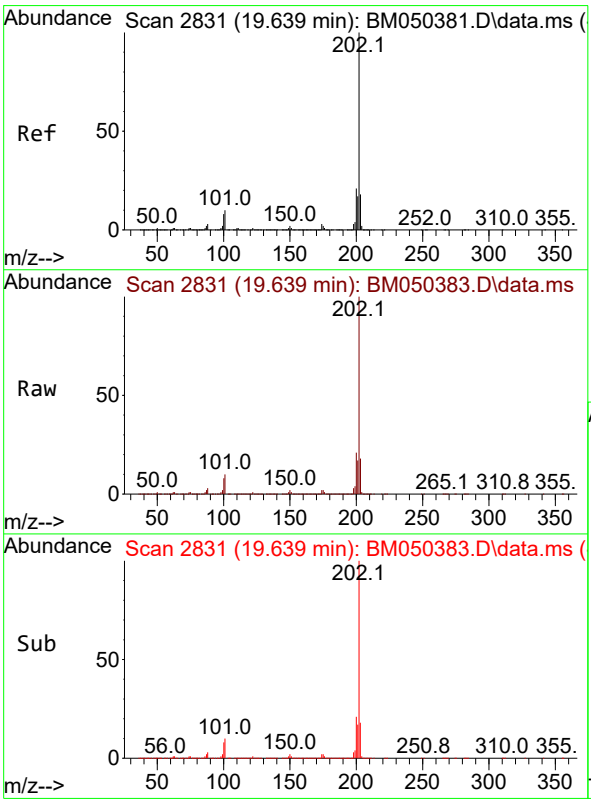

#77
Benzidine
Concen: 64.872 ng
RT: 19.456 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:184 Resp: 3256422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.6 | 11.7 | 17.5 |
| 183 | 11.5 | 9.0 | 13.6 |

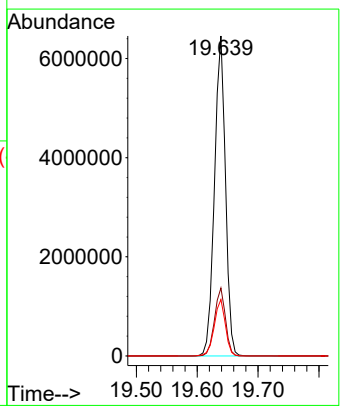


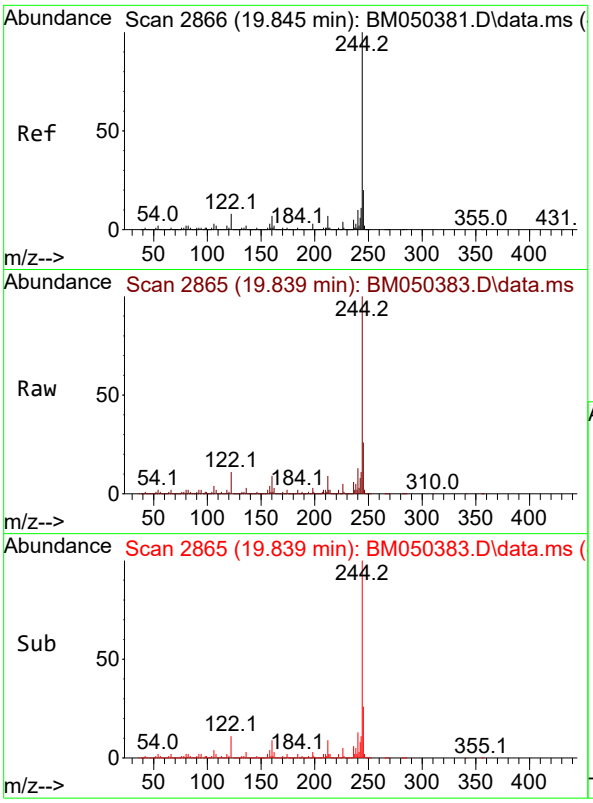




#78
Pyrene
Concen: 64.009 ng
RT: 19.639 min Scan# 2831
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:202 Resp: 8067941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 16.9 | 25.3 |
| 203 | 17.7 | 14.1 | 21.1 |



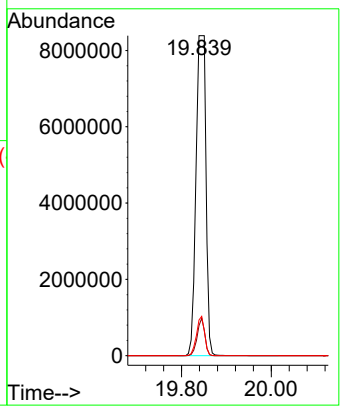


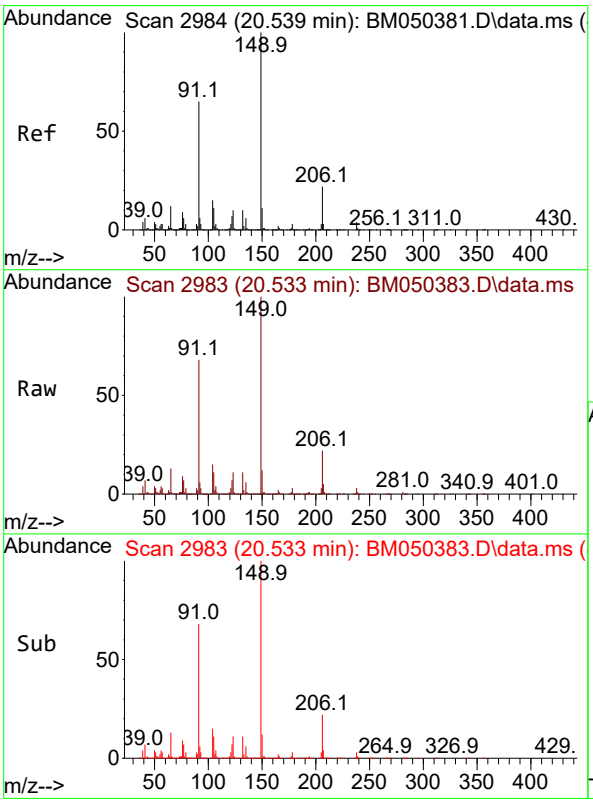

#79
Terphenyl-d14
Concen: 115.460 ng
RT: 19.839 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:244 Resp:12914894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.4 | 5.7 | 8.5# |
| 122 | 11.2 | 6.2 | 9.2# |

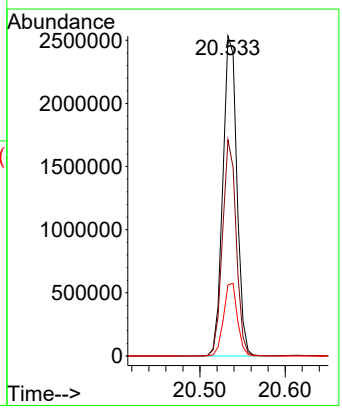


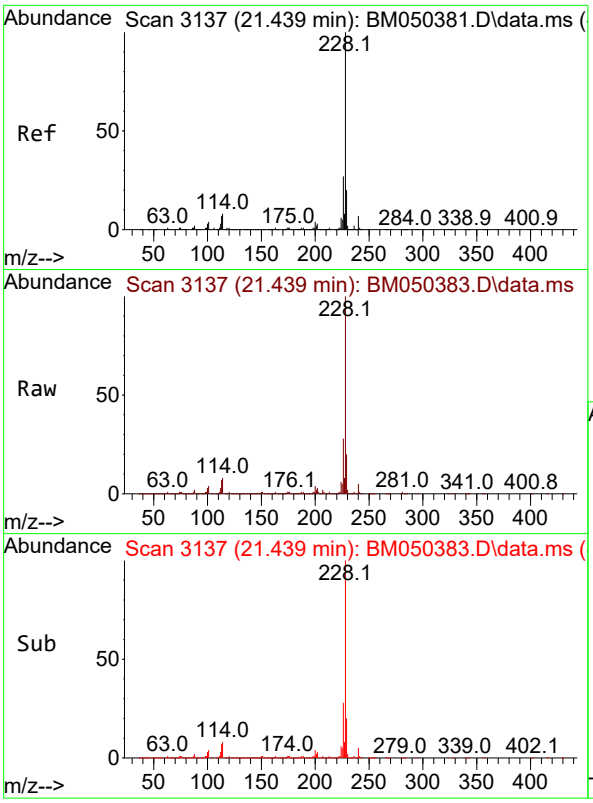




#80
Butylbenzylphthalate
Concen: 69.782 ng
RT: 20.533 min Scan# 2983
Delta R.T. -0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:149 Resp: 2900200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 67.6 | 51.6 | 77.4 |
| 206 | 22.2 | 17.8 | 26.8 |



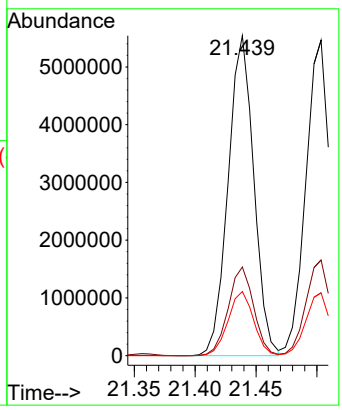


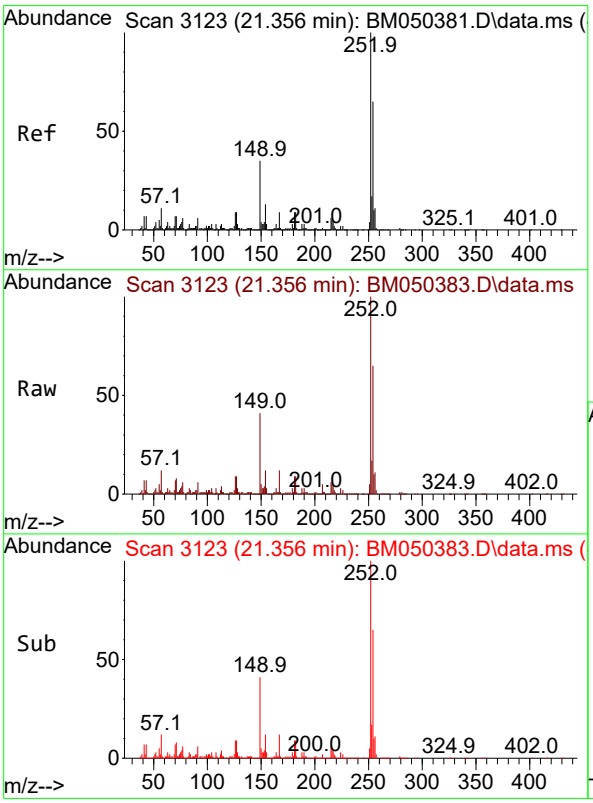

#81
Benzo(a)anthracene
Concen: 63.495 ng
RT: 21.439 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:228 Resp: 8142088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.7 | 21.8 | 32.8 |
| 229 | 20.1 | 16.0 | 24.0 |

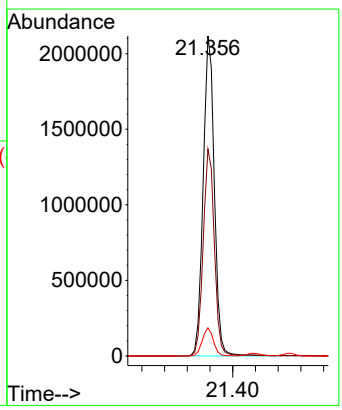


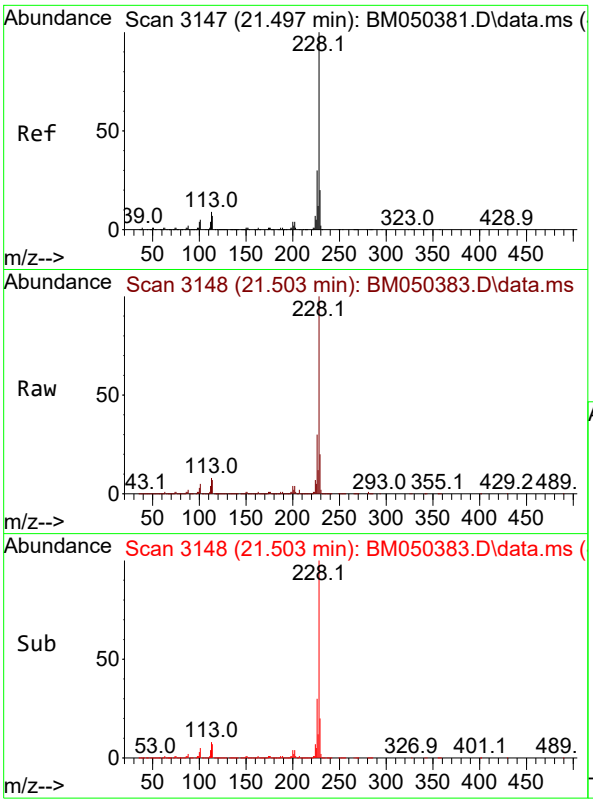




#82
3,3'-Dichlorobenzidine
Concen: 66.553 ng
RT: 21.356 min Scan# 3123
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:252 Resp: 2878037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.6 | 51.7 | 77.5 |
| 126 | 8.8 | 7.3 | 10.9 |



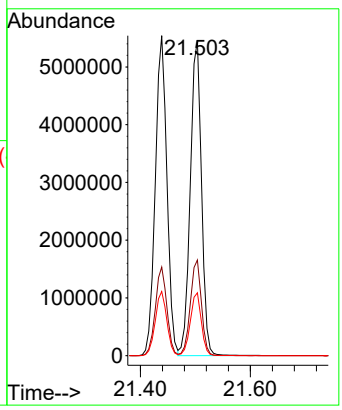


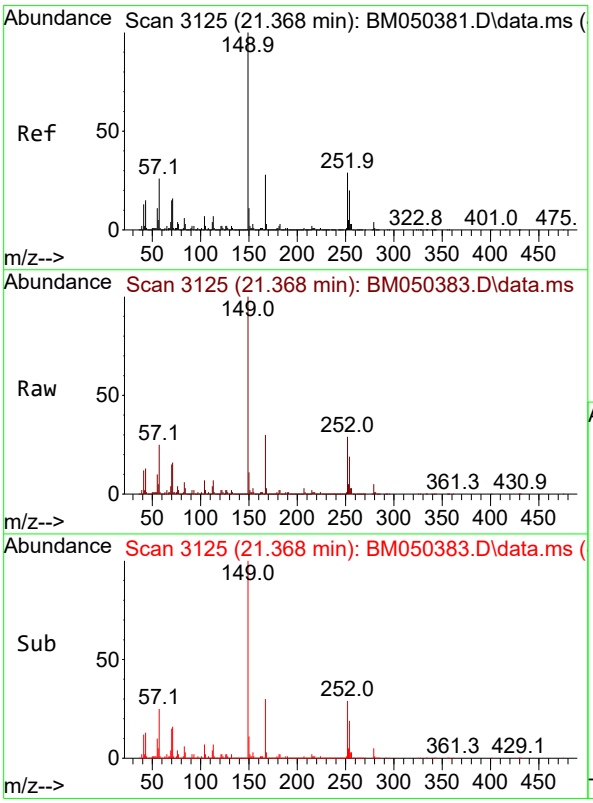

#83
Chrysene
Concen: 63.587 ng
RT: 21.503 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:228 Resp: 7690956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 24.2 | 36.4 |
| 229 | 19.9 | 15.8 | 23.6 |

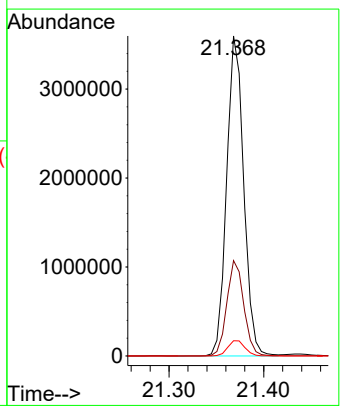


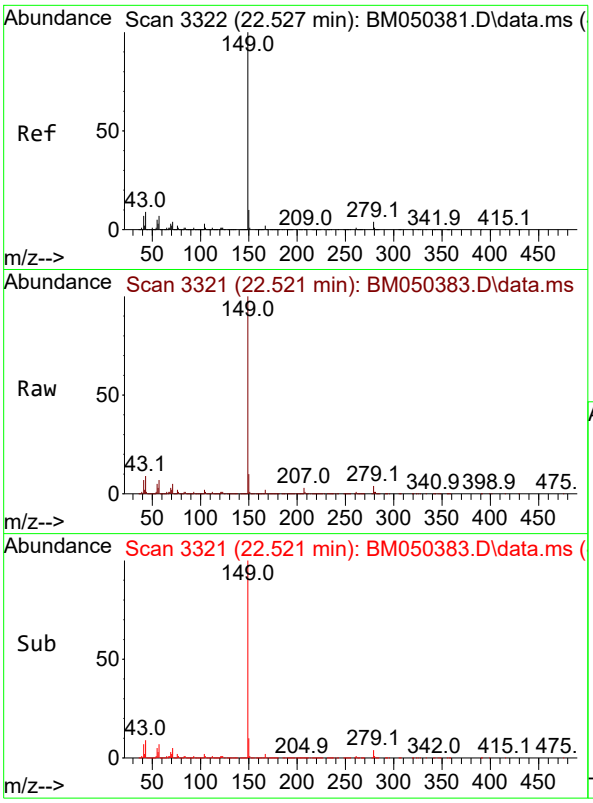




#84
Bis(2-ethylhexyl)phthalate
Concen: 68.268 ng
RT: 21.368 min Scan# 3125
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:149 Resp: 4504059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 29.8 | 22.7 | 34.1 |
| 279 | 4.7 | 3.5 | 5.3 |



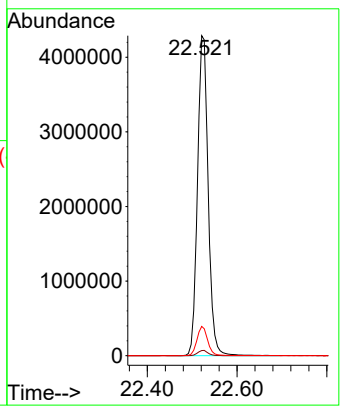


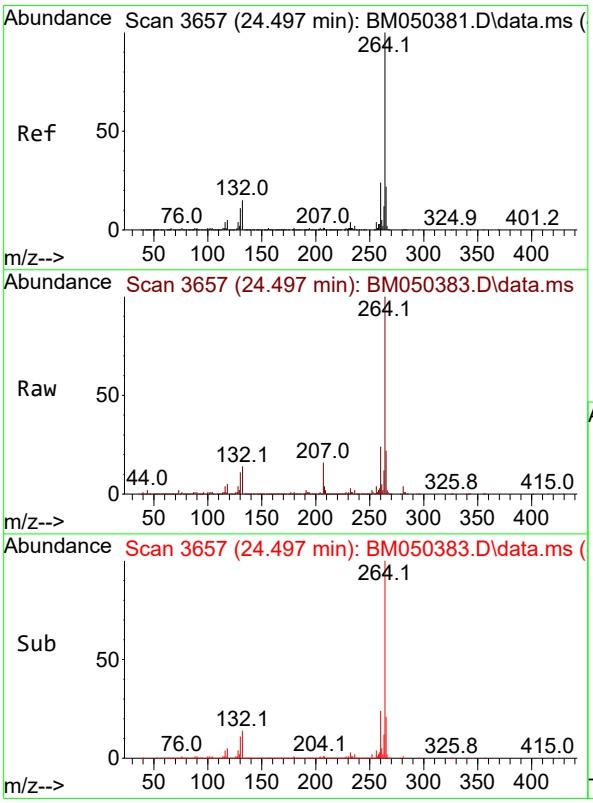

#85
Di-n-octyl phthalate
Concen: 68.206 ng
RT: 22.521 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:149 Resp: 7047940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.1 | 7.7 | 11.5 |

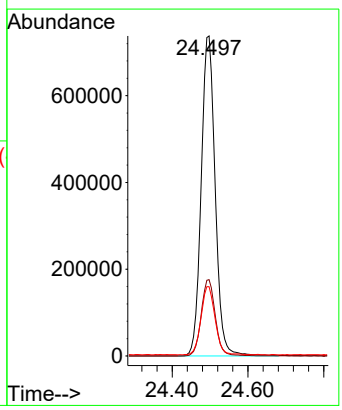


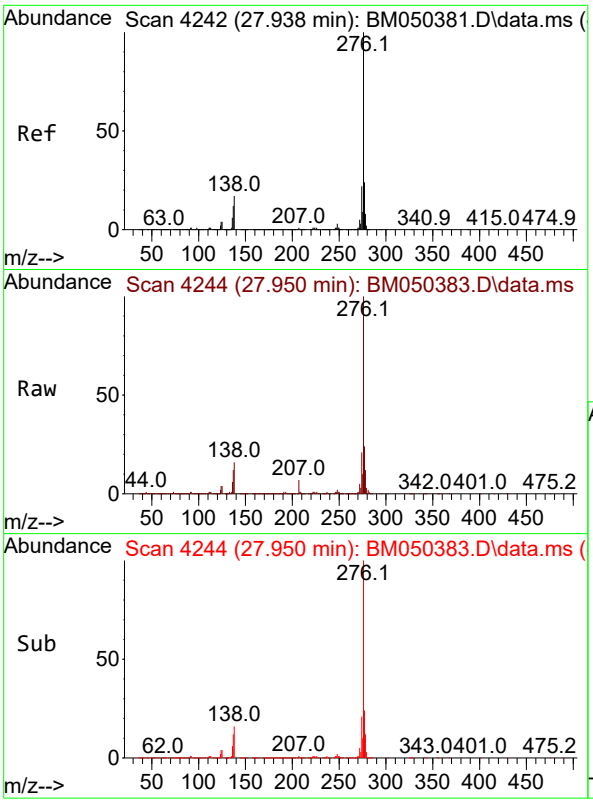




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.497 min Scan# 3657
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:264 Resp: 1889317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 19.2 | 28.8 |
| 265 | 21.6 | 17.8 | 26.6 |



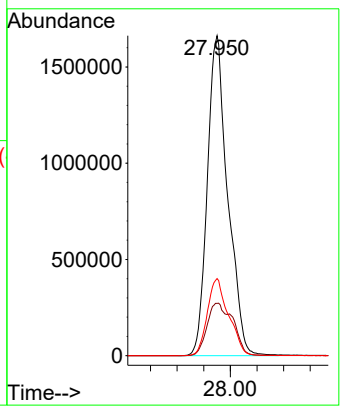


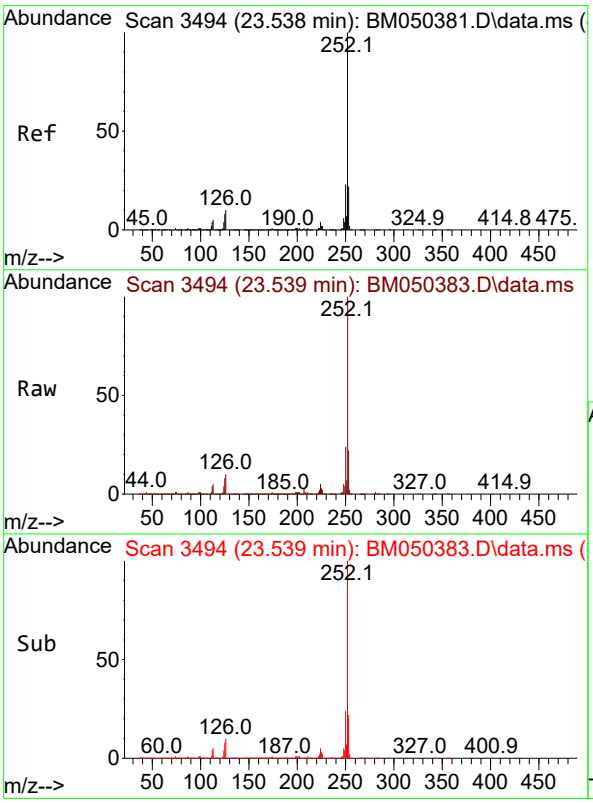

#87
Indeno(1,2,3-cd)pyrene
Concen: 66.007 ng
RT: 27.950 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:276 Resp: 8866549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.9 | 17.0 | 25.6 |
| 277 | 25.2 | 20.0 | 30.0 |

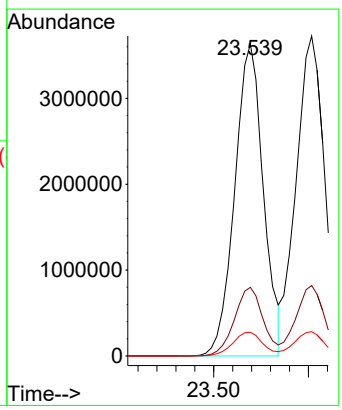


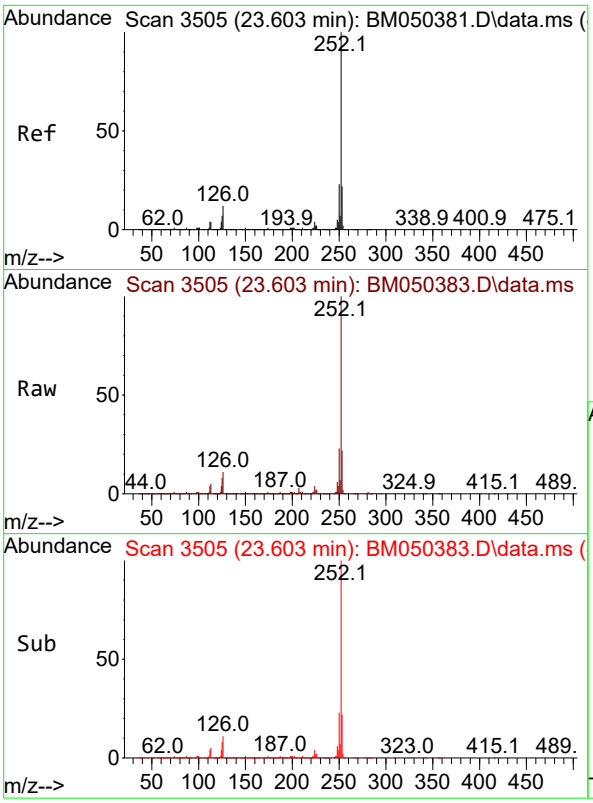




#88
Benzo(b)fluoranthene
Concen: 65.548 ng
RT: 23.539 min Scan# 3494
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:252 Resp: 7617485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.8 | 26.6 |
| 125 | 7.6 | 6.3 | 9.5 |



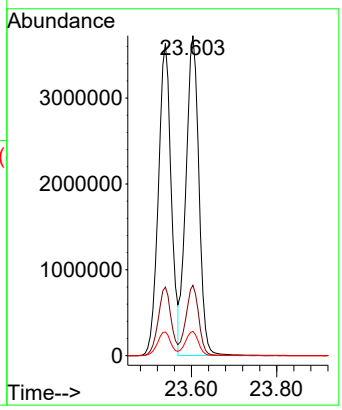


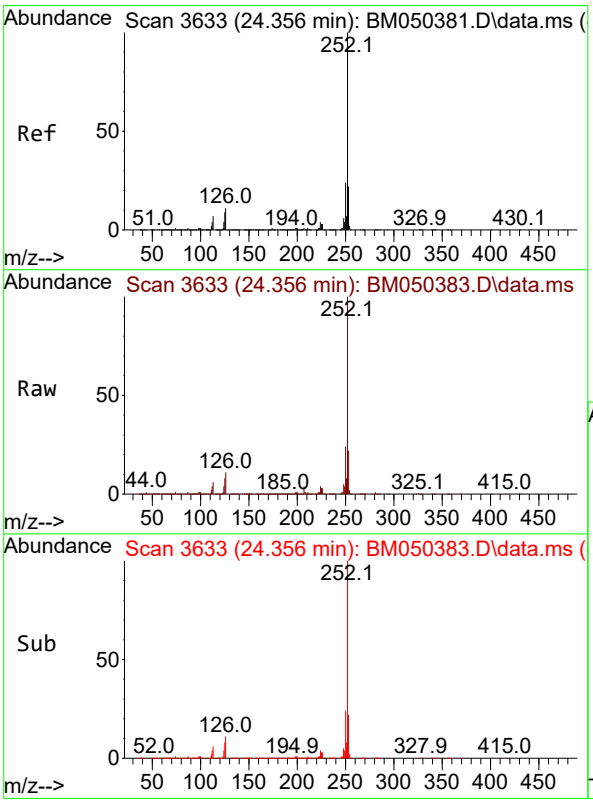

#89
Benzo(k)fluoranthene
Concen: 65.192 ng
RT: 23.603 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:252 Resp: 7861158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.6 | 26.4 |
| 125 | 7.6 | 6.2 | 9.2 |

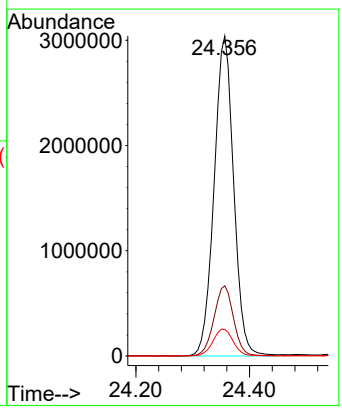


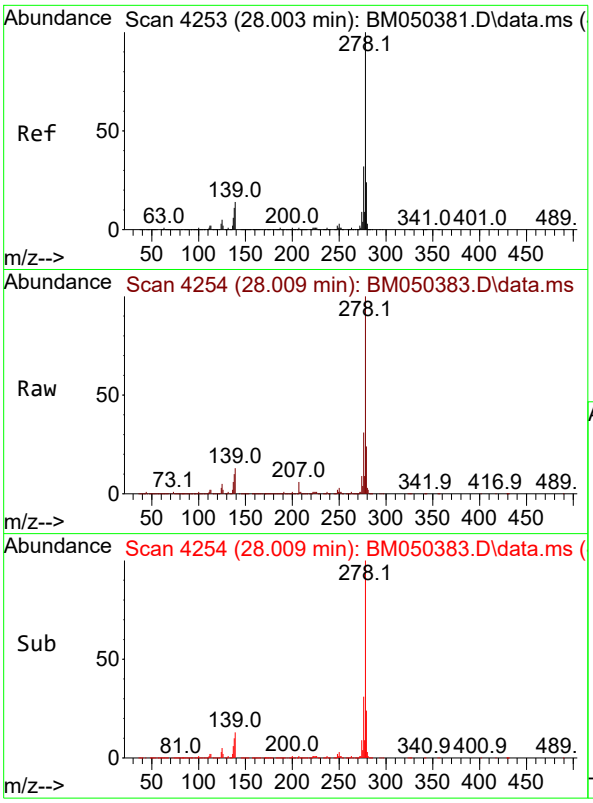




#90
Benzo(a)pyrene
Concen: 66.744 ng
RT: 24.356 min Scan# 3633
Delta R.T. 0.000 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:252 Resp: 7260855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.8 | 26.6 |
| 125 | 8.2 | 7.0 | 10.4 |



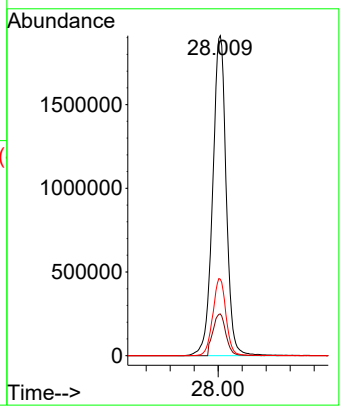


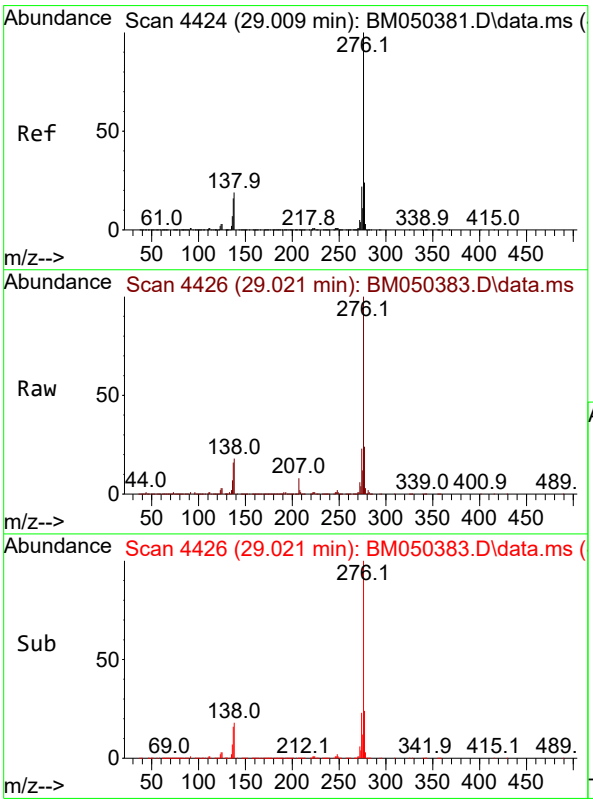

#91
Dibenzo(a,h)anthracene
Concen: 66.155 ng
RT: 28.009 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Tgt Ion:278 Resp: 7483970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.1 | 10.8 | 16.2 |
| 279 | 23.9 | 19.4 | 29.0 |

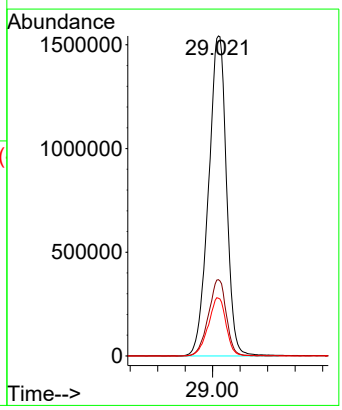



#92
Benzo(g,h,i)perylene
Concen: 65.319 ng
RT: 29.021 min Scan# 4426
Delta R.T. 0.012 min
Lab File: BM050383.D
Acq: 08 Jul 2025 16:41

Tgt Ion:276 Resp: 6983867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.9 | 19.1 | 28.7 |
| 138 | 18.1 | 14.9 | 22.3 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050384.D
Acq On : 08 Jul 2025 17:22
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Quant Time: Jul 08 18:24:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.869 | 152 | 429681 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.663 | 136 | 1643859 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.498 | 164 | 1043719 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.227 | 188 | 1944455 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.457 | 240 | 2055292 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.498 | 264 | 1953481 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.440 | 112 | 4014825 | 160.835 | ng | 0.00 |
| 7) Phenol-d6 | 7.028 | 99 | 5149049 | 163.630 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.028 | 82 | 5264647 | 163.391 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.980 | 330 | 2335664 | 184.182 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.122 | 172 | 13148691 | 155.576 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.839 | 244 | 14435460 | 123.577 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.334 | 88 | 785309 | 76.507 | ng | 99 |
| 3) Pyridine | 3.734 | 79 | 2123609 | 78.804 | ng | 98 |
| 4) n-Nitrosodimethylamine | 3.640 | 42 | 970223 | 77.228 | ng | 96 |
| 6) Aniline | 7.193 | 93 | 3301305 | 81.748 | ng | 99 |
| 8) 2-Chlorophenol | 7.428 | 128 | 2162654 | 82.163 | ng | 99 |
| 10) Phenol | 7.052 | 94 | 2637766 | 80.368 | ng | 100 |
| 11) bis(2-Chloroethyl)ether | 7.287 | 93 | 2092911 | 79.625 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.757 | 146 | 2517372 | 78.654 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 7.904 | 146 | 2555213 | 78.187 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.222 | 146 | 2454039 | 78.434 | ng | 99 |
| 15) Benzyl Alcohol | 8.104 | 79 | 1807870 | 81.539 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.399 | 45 | 2991629 | 77.270 | ng | 99 |
| 17) 2-Methylphenol | 8.304 | 107 | 1732716 | 81.397 | ng | 99 |
| 18) Hexachloroethane | 8.951 | 117 | 932539 | 81.135 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 8.681 | 70 | 1587587 | 83.281 | ng | 95 |
| 20) 3+4-Methylphenols | 8.634 | 107 | 2300155 | 80.491 | ng | 100 |
| 22) Acetophenone | 8.687 | 105 | 3217324 | 78.279 | ng | 98 |
| 24) Nitrobenzene | 9.063 | 77 | 2296616 | 79.875 | ng | 100 |
| 25) Isophorone | 9.598 | 82 | 4289620 | 82.044 | ng | 100 |
| 26) 2-Nitrophenol | 9.775 | 139 | 1095059 | 93.448 | ng | 97 |
| 27) 2,4-Dimethylphenol | 9.834 | 122 | 2026460 | 81.267 | ng | 97 |
| 28) bis(2-Chloroethoxy)met... | 10.075 | 93 | 2760921 | 79.691 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.310 | 162 | 2134843 | 83.334 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.528 | 180 | 2483928 | 81.052 | ng | 99 |
| 31) Naphthalene | 10.716 | 128 | 6520664 | 78.095 | ng | 100 |
| 32) Benzoic acid | 9.993 | 122 | 1311597 | 81.001 | ng | 97 |
| 33) 4-Chloroaniline | 10.816 | 127 | 2873151 | 81.395 | ng | 99 |
| 34) Hexachlorobutadiene | 11.010 | 225 | 1546563 | 82.684 | ng | 100 |
| 35) Caprolactam | 11.604 | 113 | 594080 | 84.949 | ng | 93 |
| 36) 4-Chloro-3-methylphenol | 11.940 | 107 | 1983864 | 82.929 | ng | 100 |
| 37) 2-Methylnaphthalene | 12.322 | 142 | 4254768 | 80.705 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.545 | 142 | 4475032 | 80.207 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.692 | 216 | 2824950 | 85.112 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 12.681 | 237 | 1914528 | 90.239 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 12.928 | 196 | 1782842 | 87.263 | ng | 99 |
| 44) 2,4,5-Trichlorophenol | 12.998 | 196 | 1919360 | 86.021 | ng | 97 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050384.D
Acq On : 08 Jul 2025 17:22
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Quant Time: Jul 08 18:24:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

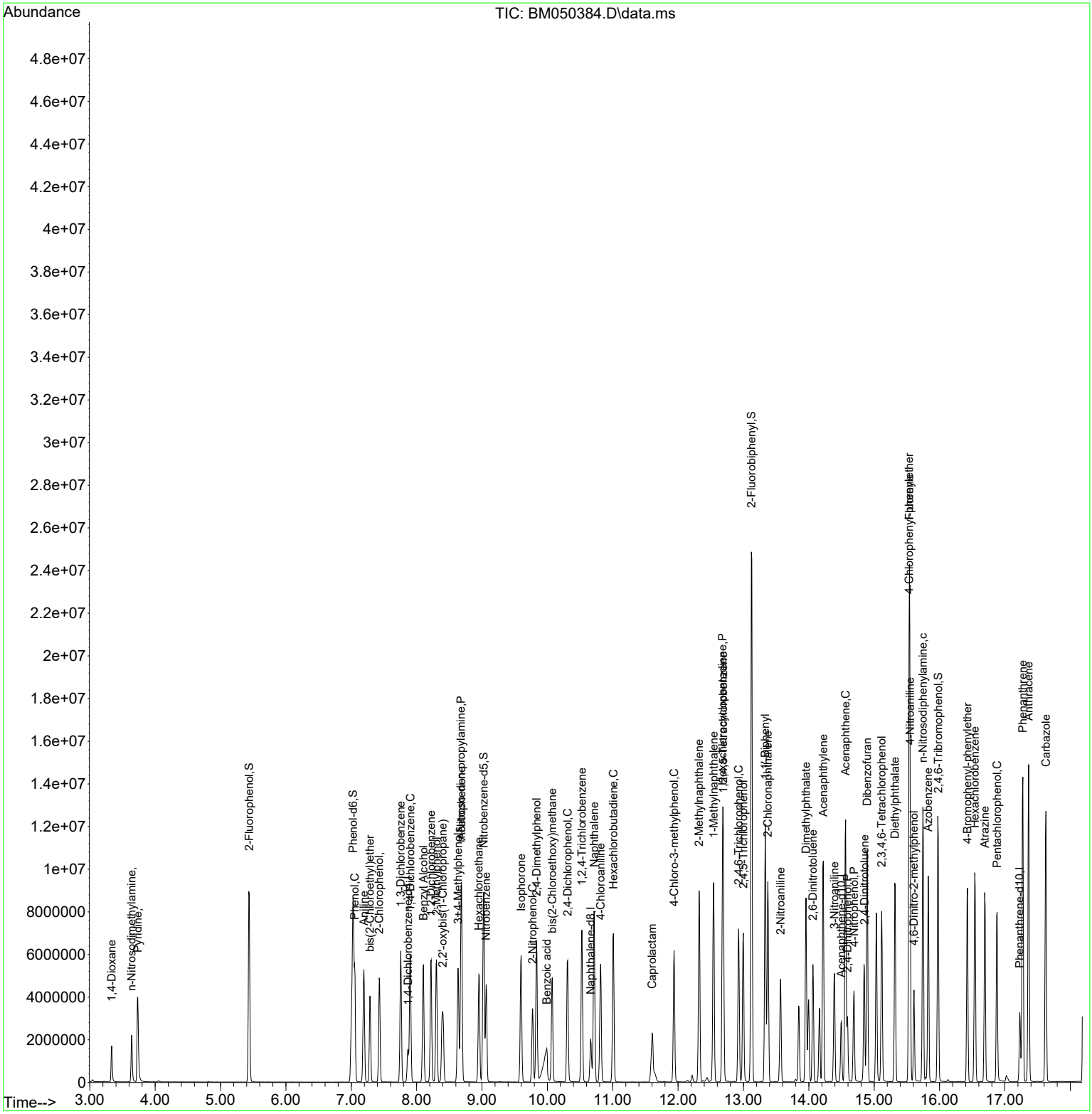
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 46) 1,1'-Biphenyl | 13.334 | 154 | 6141549 | 79.310 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.375 | 162 | 4889665 | 79.196 | ng | | 99 |
| 48) 2-Nitroaniline | 13.569 | 65 | 1233222 | 89.485 | ng | | 96 |
| 49) Acenaphthylene | 14.222 | 152 | 7559726 | 81.019 | ng | | 100 |
| 50) Dimethylphthalate | 13.957 | 163 | 5732691 | 79.779 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.063 | 165 | 1207179 | 87.496 | ng | | 99 |
| 52) Acenaphthene | 14.563 | 154 | 4833886 | 81.486 | ng | | 99 |
| 53) 3-Nitroaniline | 14.392 | 138 | 1297724 | 88.444 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 14.592 | 184 | 626569 | 82.116 | ng | | 86 |
| 55) Dibenzofuran | 14.892 | 168 | 7143343 | 78.152 | ng | | 99 |
| 56) 4-Nitrophenol | 14.692 | 139 | 1075848 | 85.262 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 14.851 | 165 | 1674329 | 79.189 | ng | | 94 |
| 58) Fluorene | 15.539 | 166 | 6138107 | 81.530 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.116 | 232 | 1636646 | 87.136 | ng | | 97 |
| 60) Diethylphthalate | 15.316 | 149 | 5511226 | 80.291 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.533 | 204 | 3298863 | 83.798 | ng | | 98 |
| 62) 4-Nitroaniline | 15.551 | 138 | 1336300 | 77.536 | ng | | 97 |
| 63) Azobenzene | 15.828 | 77 | 5026045 | 79.741 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.610 | 198 | 912781 | 82.140 | ng | | 92 |
| 66) n-Nitrosodiphenylamine | 15.745 | 169 | 5086187 | 83.592 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.427 | 248 | 1878071 | 87.664 | ng | | 97 |
| 68) Hexachlorobenzene | 16.539 | 284 | 2164238 | 85.534 | ng | | 97 |
| 69) Atrazine | 16.692 | 200 | 1767182 | 88.450 | ng | | 99 |
| 70) Pentachlorophenol | 16.880 | 266 | 1425059 | 90.473 | ng | | 99 |
| 71) Phenanthrene | 17.274 | 178 | 8893346 | 80.828 | ng | | 99 |
| 72) Anthracene | 17.363 | 178 | 9167986 | 83.709 | ng | | 99 |
| 73) Carbazole | 17.627 | 167 | 8180242 | 82.547 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.198 | 149 | 9300935 | 85.749 | ng | | 99 |
| 75) Fluoranthene | 19.280 | 202 | 10317307 | 86.256 | ng | | 99 |
| 77) Benzidine | 19.457 | 184 | 3817410 | 72.819 | ng | | 100 |
| 78) Pyrene | 19.639 | 202 | 10818153 | 82.185 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.539 | 149 | 3938114 | 90.734 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.439 | 228 | 11055858 | 82.558 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.362 | 252 | 3825108 | 84.699 | ng | | 99 |
| 83) Chrysene | 21.504 | 228 | 10270454 | 81.310 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.374 | 149 | 6100517 | 88.540 | ng | # | 96 |
| 85) Di-n-octyl phthalate | 22.527 | 149 | 9722259 | 90.093 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 27.956 | 276 | 12120915 | 87.270 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 23.545 | 252 | 10371642 | 86.316 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.609 | 252 | 10546917 | 84.592 | ng | | 100 |
| 90) Benzo(a)pyrene | 24.362 | 252 | 9879526 | 87.833 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 28.015 | 278 | 10165335 | 86.905 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.027 | 276 | 9504954 | 85.979 | ng | | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050384.D
Acq On : 08 Jul 2025 17:22
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Quant Time: Jul 08 18:24:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration



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Data File : BM050384.D
Acq On : 08 Jul 2025 17:22
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Quant Time: Jul 08 18:24:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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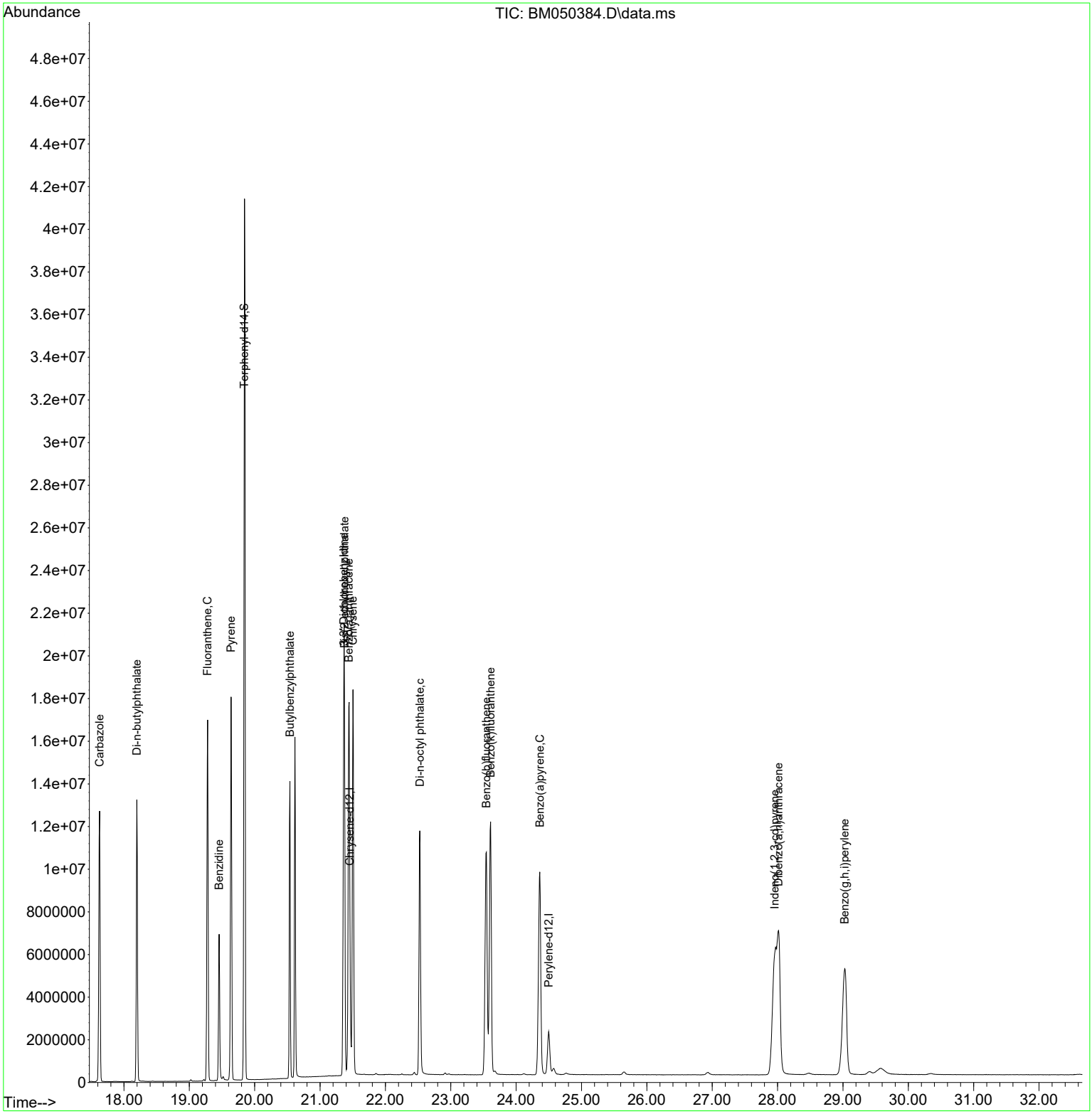
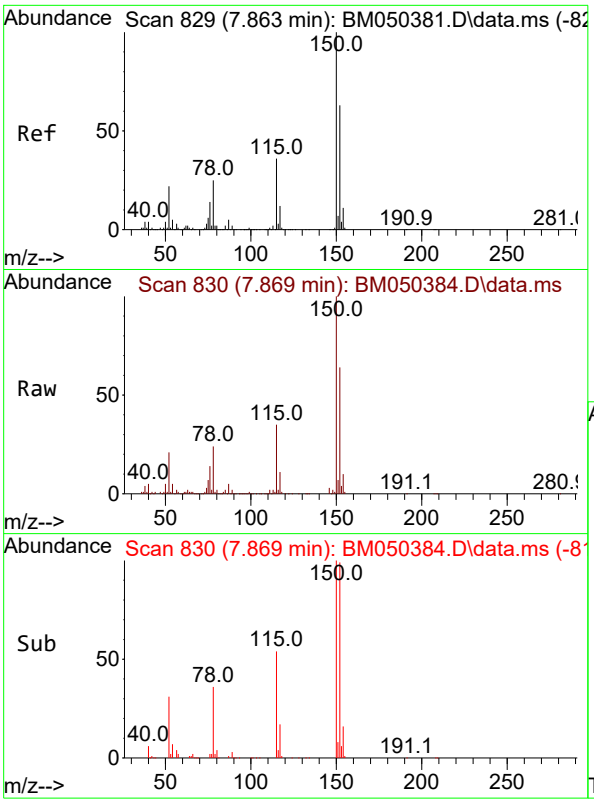
Response via : Initial Calibration



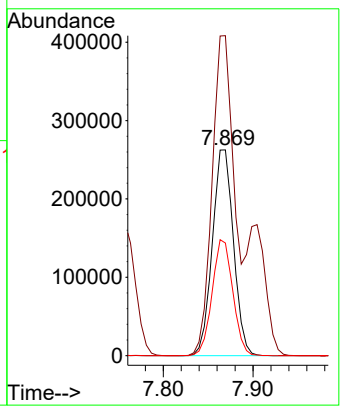


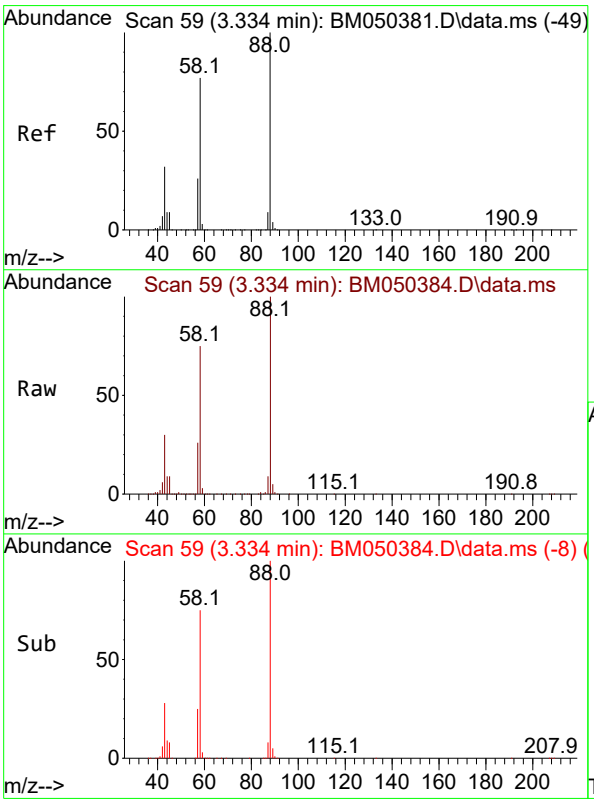

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.869 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:152 Resp: 429681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.5 | 126.2 | 189.4 |
| 115 | 54.7 | 45.8 | 68.8 |

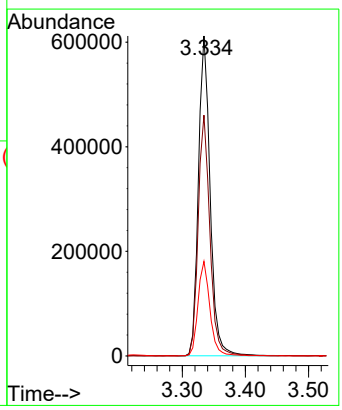


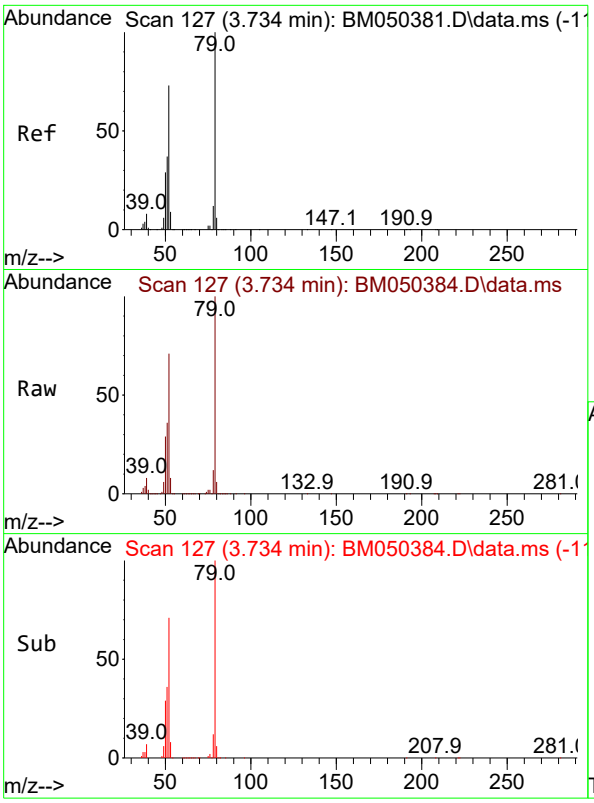




#2
1,4-Dioxane
Concen: 76.507 ng
RT: 3.334 min Scan# 59
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion: 88 Resp: 785309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 75.7 | 61.0 | 91.6 |
| 43 | 30.0 | 24.6 | 37.0 |



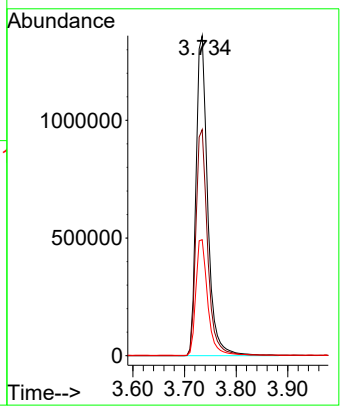


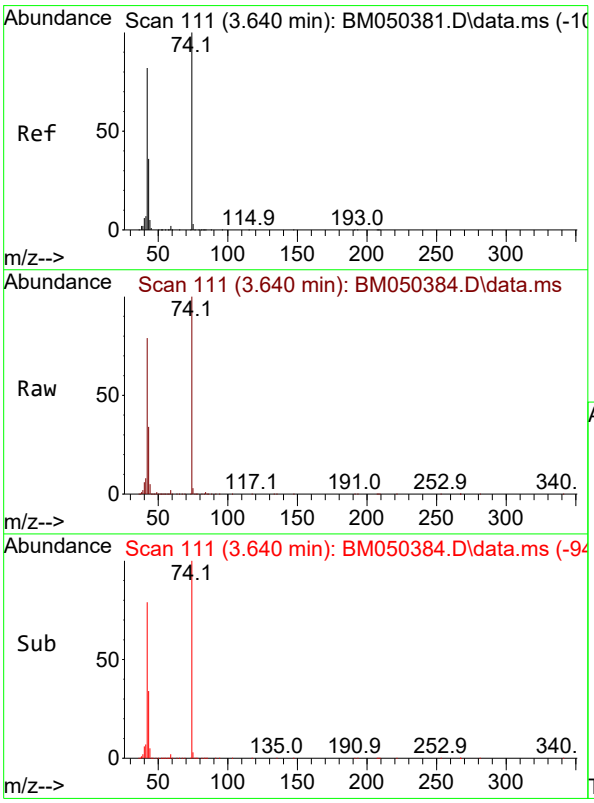

#3
Pyridine
Concen: 78.804 ng
RT: 3.734 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion: 79 Resp: 2123609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 70.7 | 58.3 | 87.5 |
| 51 | 36.2 | 29.6 | 44.4 |

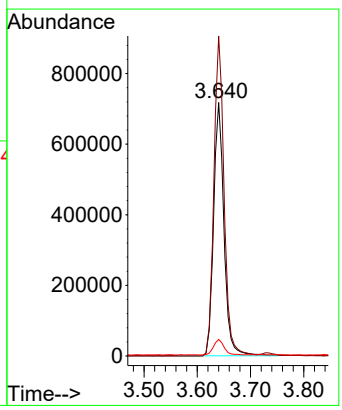


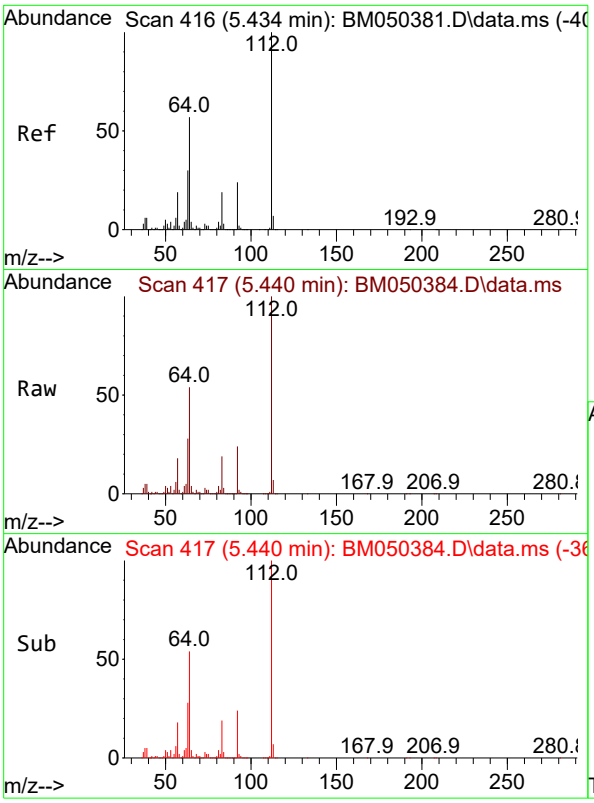




#4
n-Nitrosodimethylamine
Concen: 77.228 ng
RT: 3.640 min Scan# 111
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion: 42 Resp: 970223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 126.3 | 97.5 | 146.3 |
| 44 | 6.5 | 5.7 | 8.5 |



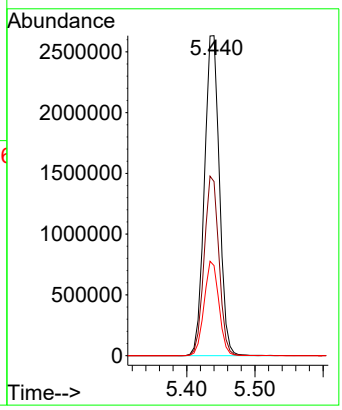


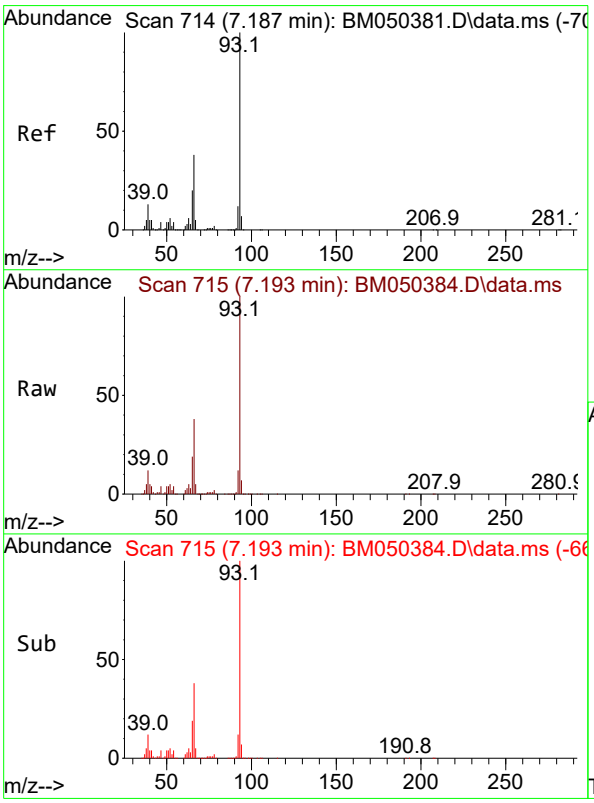

#5
2-Fluorophenol
Concen: 160.835 ng
RT: 5.440 min Scan# 41
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:112 Resp: 4014825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.4 | 45.5 | 68.3 |
| 63 | 28.1 | 24.2 | 36.4 |

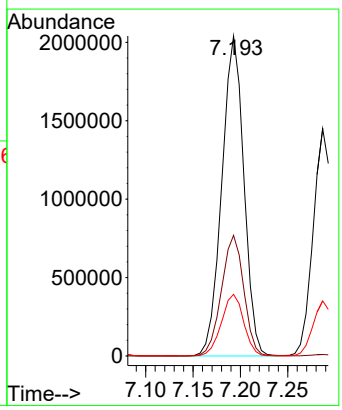


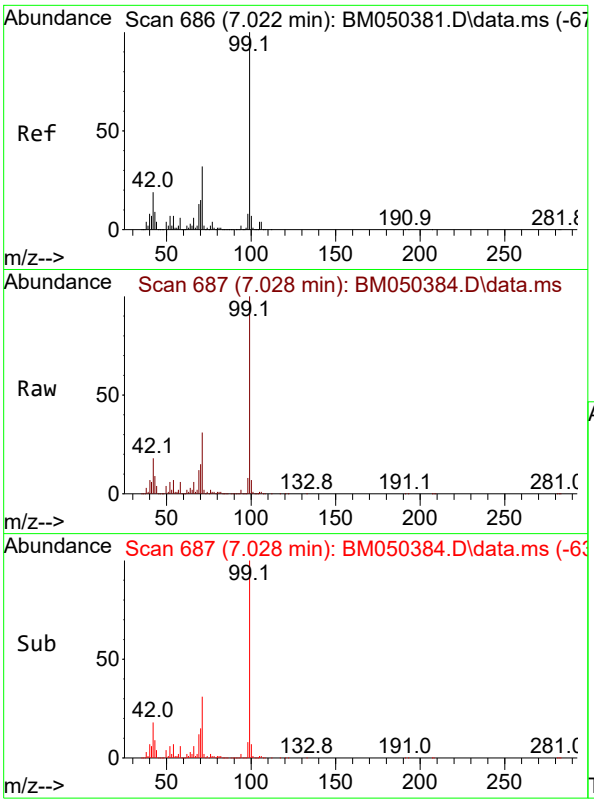




#6
Aniline
Concen: 81.748 ng
RT: 7.193 min Scan# 715
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion: 93 Resp: 3301305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 37.7 | 30.5 | 45.7 |
| 65 | 19.2 | 15.9 | 23.9 |



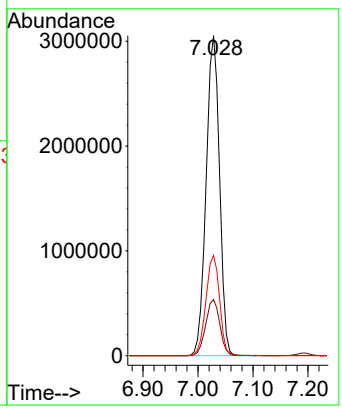


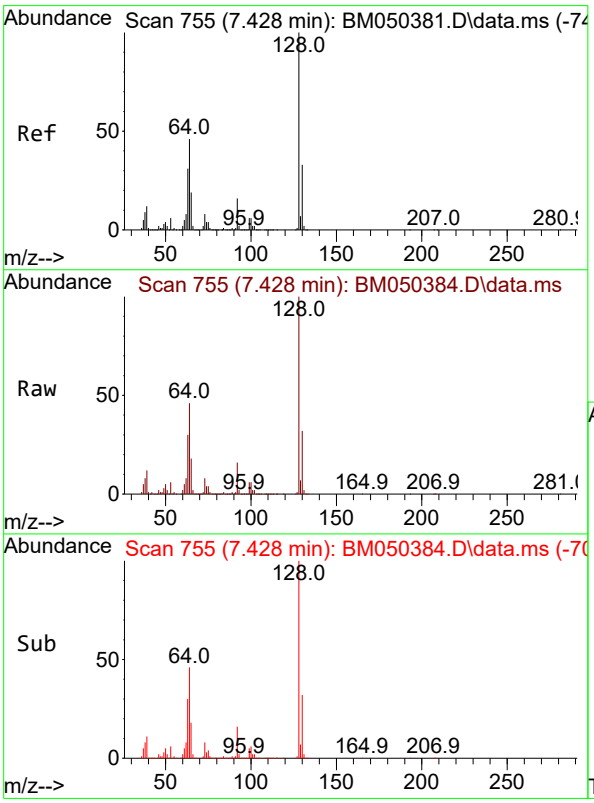

#7
Phenol-d6
Concen: 163.630 ng
RT: 7.028 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion: 99 Resp: 5149049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.6 | 15.0 | 22.6 |
| 71 | 31.4 | 25.9 | 38.9 |

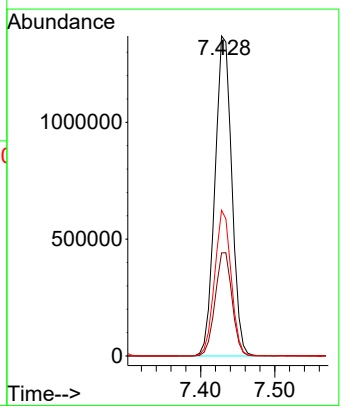


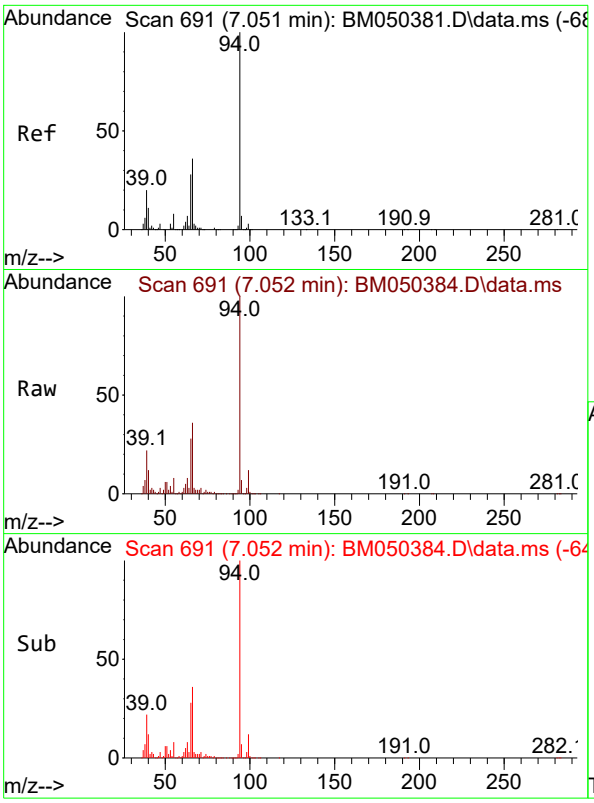




#8
2-Chlorophenol
Concen: 82.163 ng
RT: 7.428 min Scan# 755
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:128 Resp: 2162654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.2 | 13.3 | 53.3 |
| 64 | 45.6 | 25.6 | 65.6 |



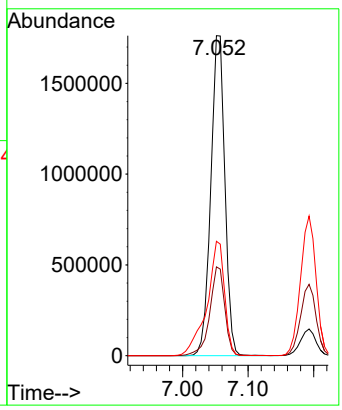


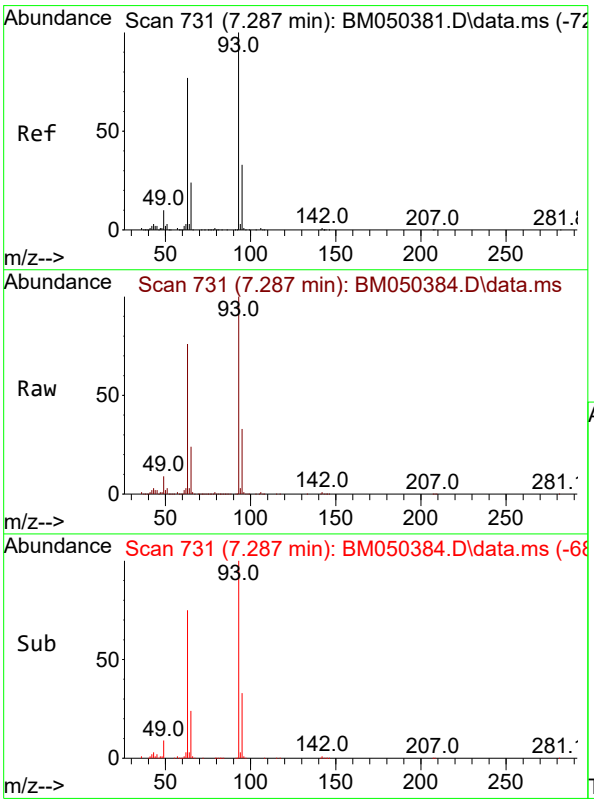

#10
Phenol
Concen: 80.368 ng
RT: 7.052 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion: 94 Resp: 2637766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 27.8 | 8.1 | 48.1 |
| 66 | 35.7 | 15.8 | 55.8 |

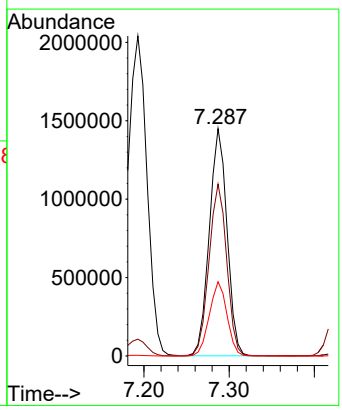


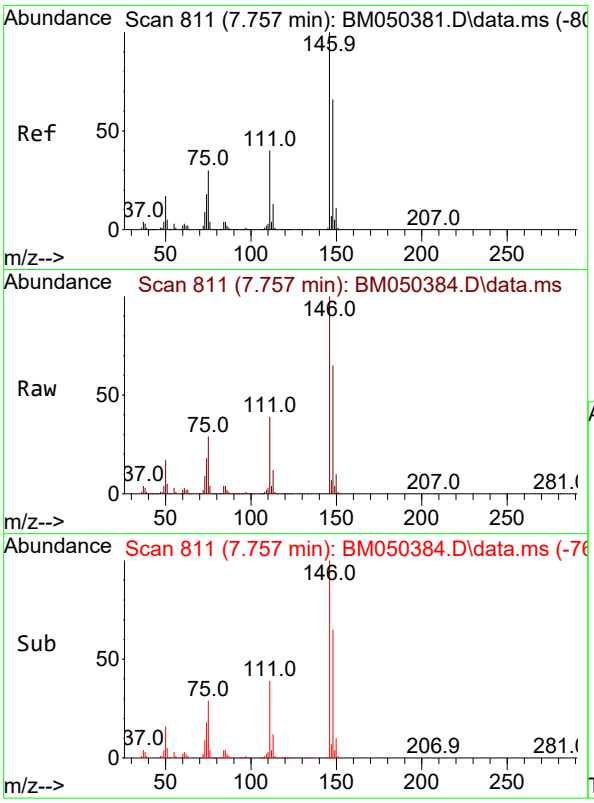




#11
bis(2-Chloroethyl)ether
Concen: 79.625 ng
RT: 7.287 min Scan# 731
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion: 93 Resp: 2092911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 75.6 | 56.9 | 96.9 |
| 95 | 32.6 | 12.6 | 52.6 |



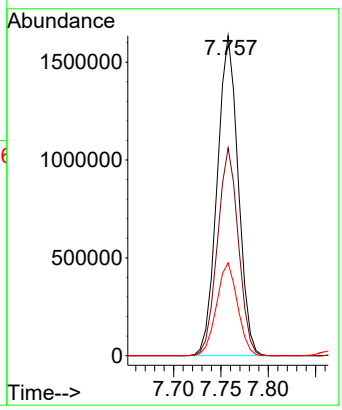


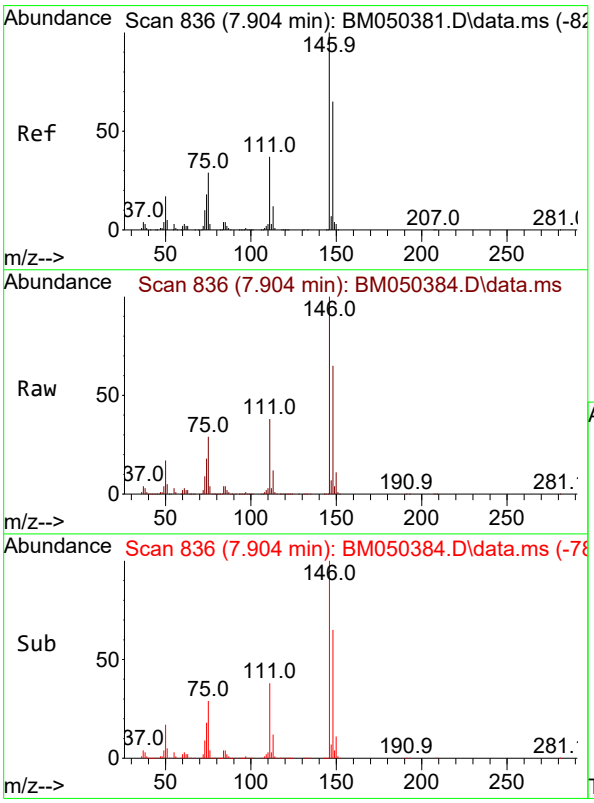

#12
1,3-Dichlorobenzene
Concen: 78.654 ng
RT: 7.757 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:146 Resp: 2517372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.0 | 53.2 | 79.8 |
| 75 | 29.0 | 23.9 | 35.9 |

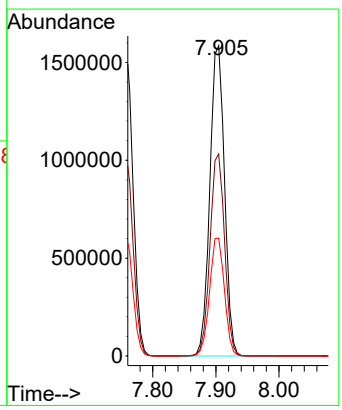


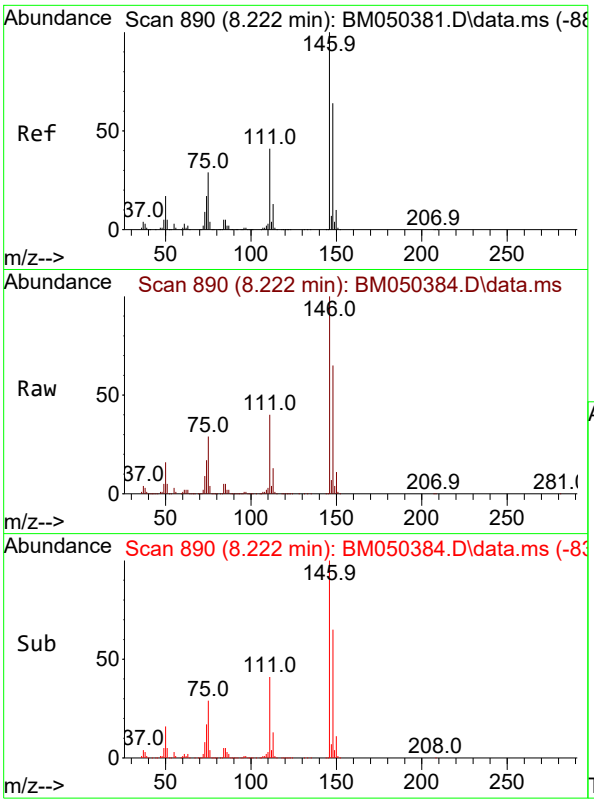




#13
1,4-Dichlorobenzene
Concen: 78.187 ng
RT: 7.904 min Scan# 836
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:146 Resp: 2555213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.2 | 51.9 | 77.9 |
| 111 | 38.0 | 30.0 | 45.0 |



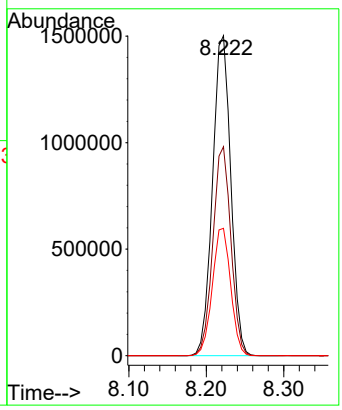


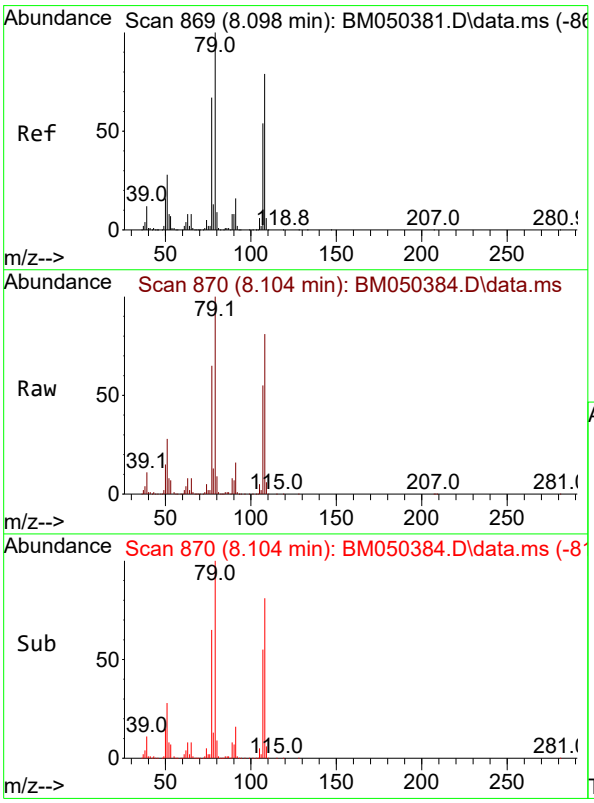

#14
1,2-Dichlorobenzene
Concen: 78.434 ng
RT: 8.222 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:146 Resp: 2454039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.3 | 51.5 | 77.3 |
| 111 | 39.8 | 32.6 | 49.0 |

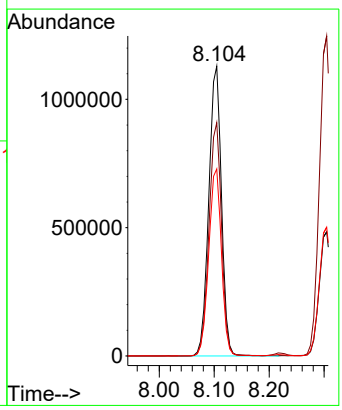


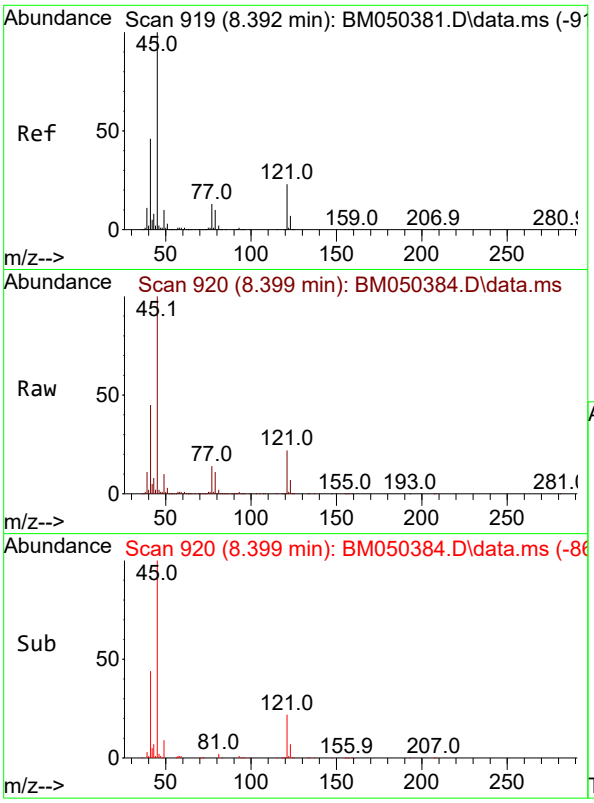




#15
Benzyl Alcohol
Concen: 81.539 ng
RT: 8.104 min Scan# 870
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion: 79 Resp: 1807870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 80.5 | 63.0 | 94.4 |
| 77 | 64.5 | 53.4 | 80.0 |



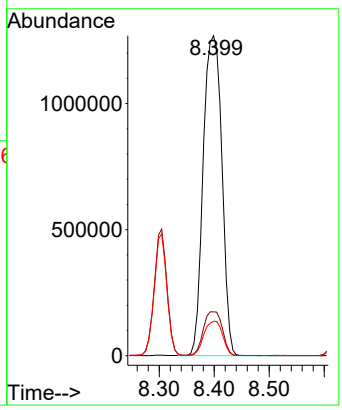


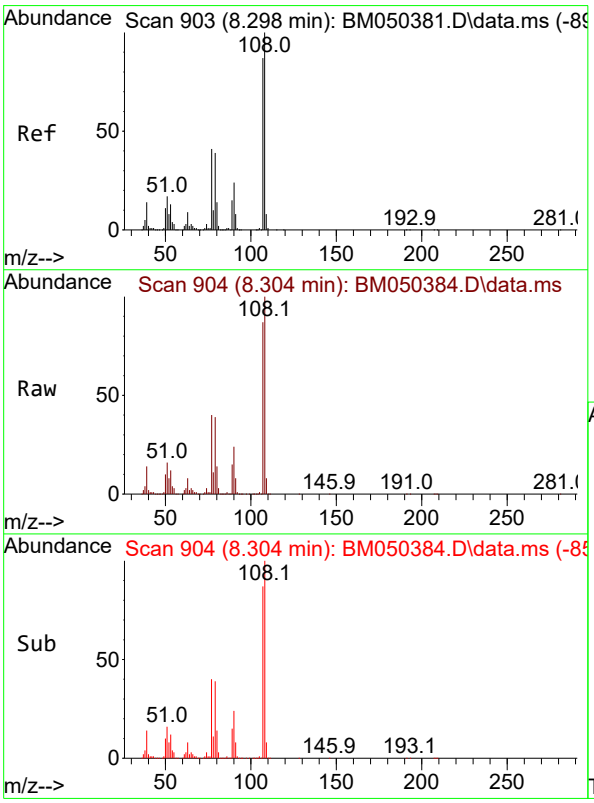

#16
2,2'-oxybis(1-Chloropropane)
Concen: 77.270 ng
RT: 8.399 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion: 45 Resp: 2991629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 13.7 | 0.0 | 33.5 |
| 79 | 10.8 | 0.0 | 30.3 |

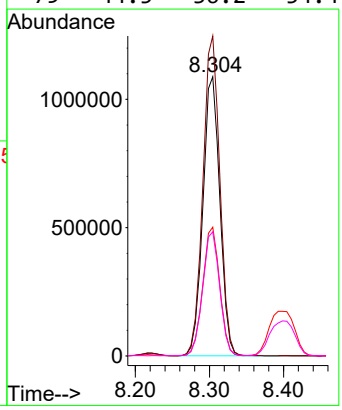


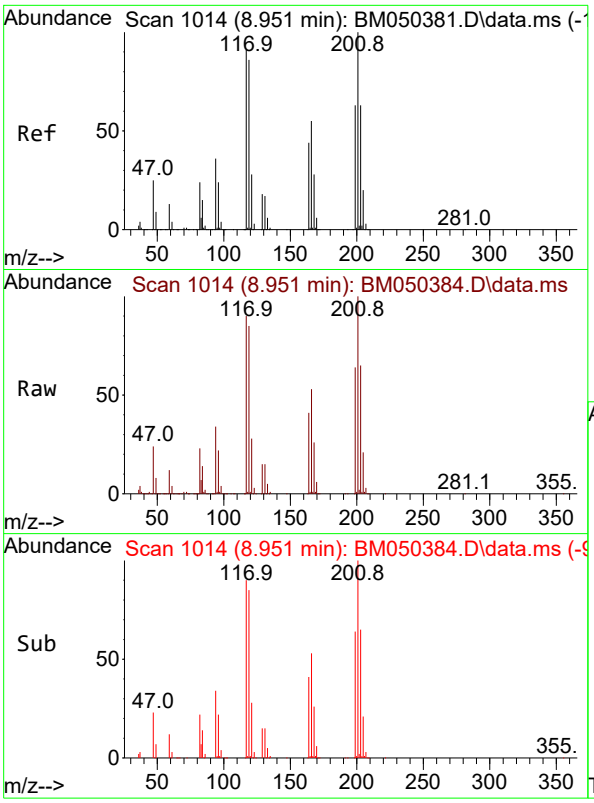




#17
2-Methylphenol
Concen: 81.397 ng
RT: 8.304 min Scan# 904
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:107 Resp: 1732716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.6 | 92.1 | 138.1 |
| 77 | 46.1 | 38.2 | 57.4 |
| 79 | 44.5 | 36.2 | 54.4 |



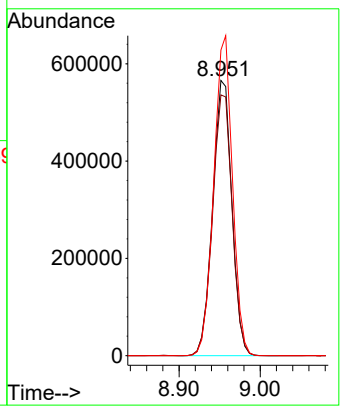


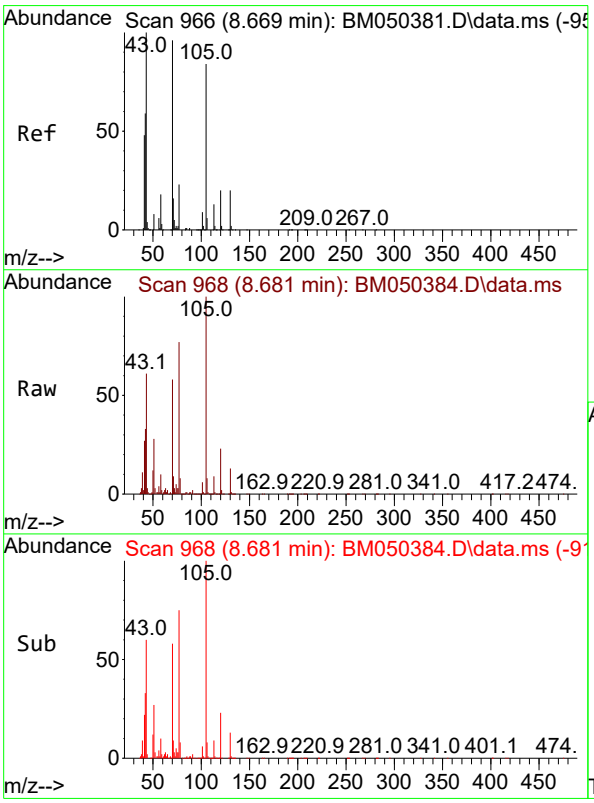

#18
Hexachloroethane
Concen: 81.135 ng
RT: 8.951 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:117 Resp: 932539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.8 | 75.6 | 113.4 |
| 201 | 111.1 | 87.9 | 131.9 |

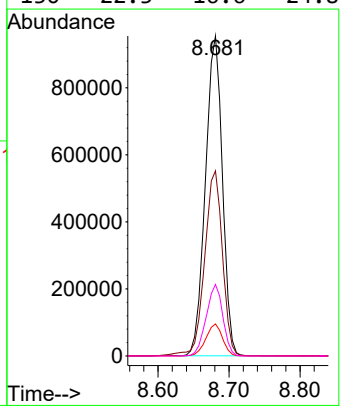


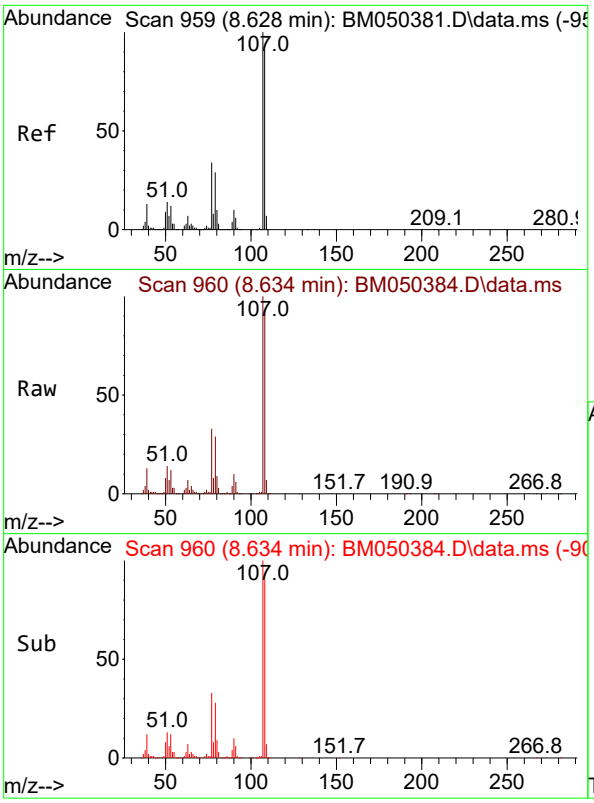




#19
n-Nitroso-di-n-propylamine
Concen: 83.281 ng
RT: 8.681 min Scan# 968
Delta R.T. 0.012 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion: 70 Resp: 1587587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 57.9 | 49.7 | 74.5 |
| 101 | 10.0 | 7.7 | 11.5 |
| 130 | 22.3 | 16.6 | 24.8 |



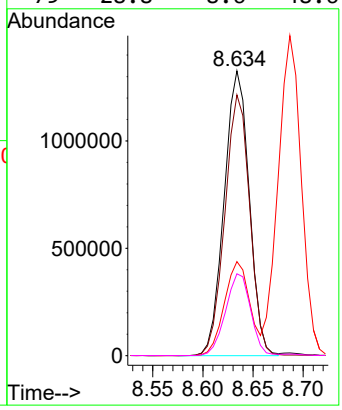


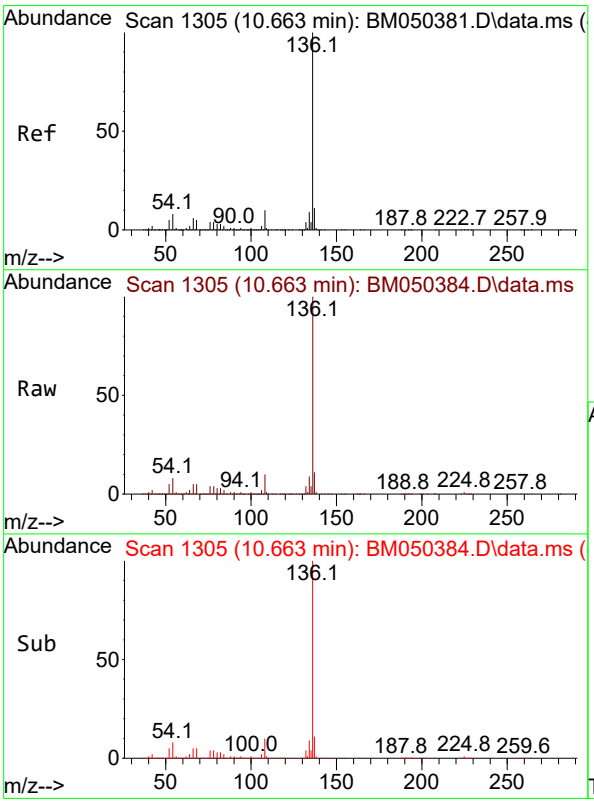

#20
3+4-Methylphenols
Concen: 80.491 ng
RT: 8.634 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:107 Resp: 2300155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.5 | 71.5 | 111.5 |
| 77 | 33.0 | 13.7 | 53.7 |
| 79 | 28.8 | 8.6 | 48.6 |

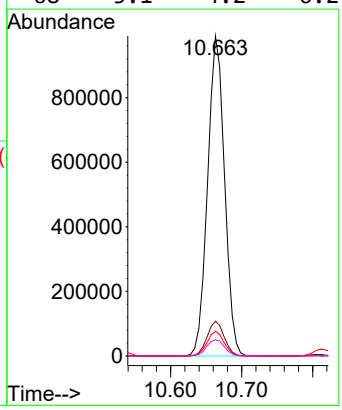


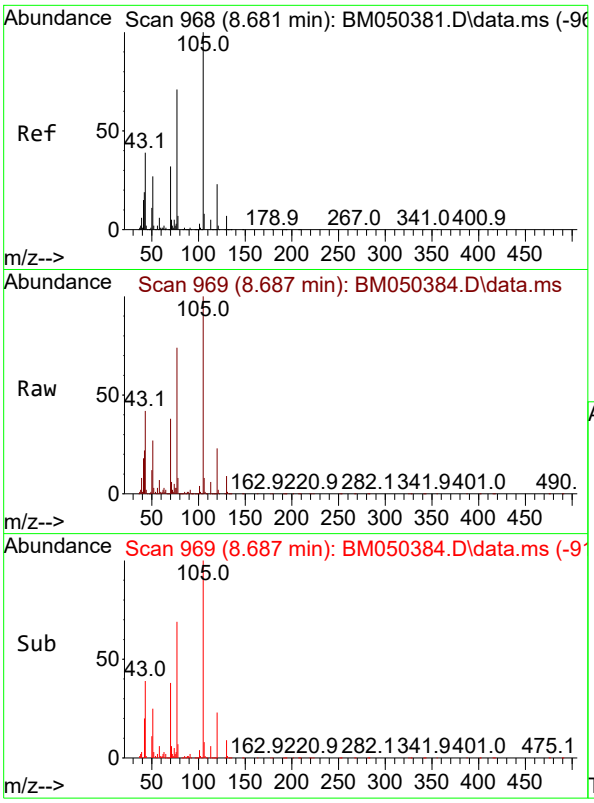




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:136 Resp: 1643859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.8 | 13.2 |
| 54 | 7.7 | 6.3 | 9.5 |
| 68 | 5.1 | 4.2 | 6.2 |



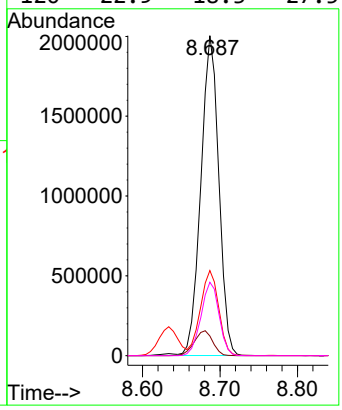


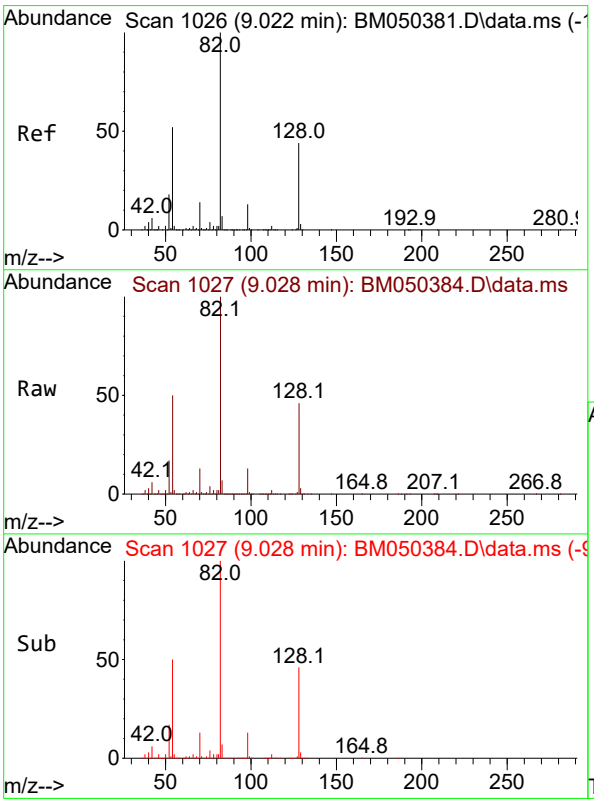

#22
Acetophenone
Concen: 78.279 ng
RT: 8.687 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:105 Resp: 3217324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.2 | 4.4 | 6.6 |
| 51 | 26.6 | 23.0 | 34.6 |
| 120 | 22.9 | 18.3 | 27.5 |

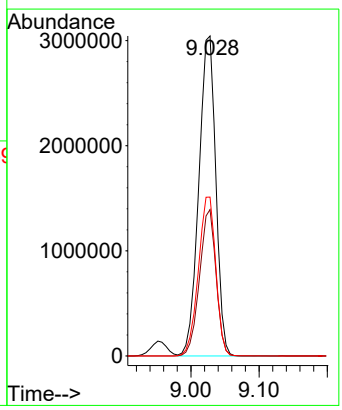


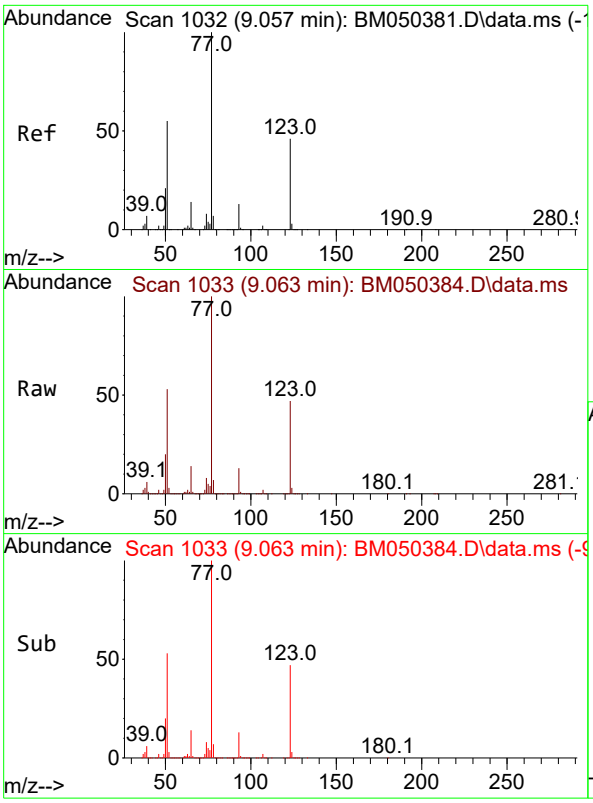




#23
Nitrobenzene-d5
Concen: 163.391 ng
RT: 9.028 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion: 82 Resp: 5264647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.7 | 35.2 | 52.8 |
| 54 | 49.7 | 41.5 | 62.3 |



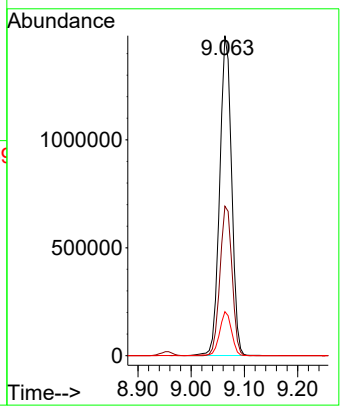


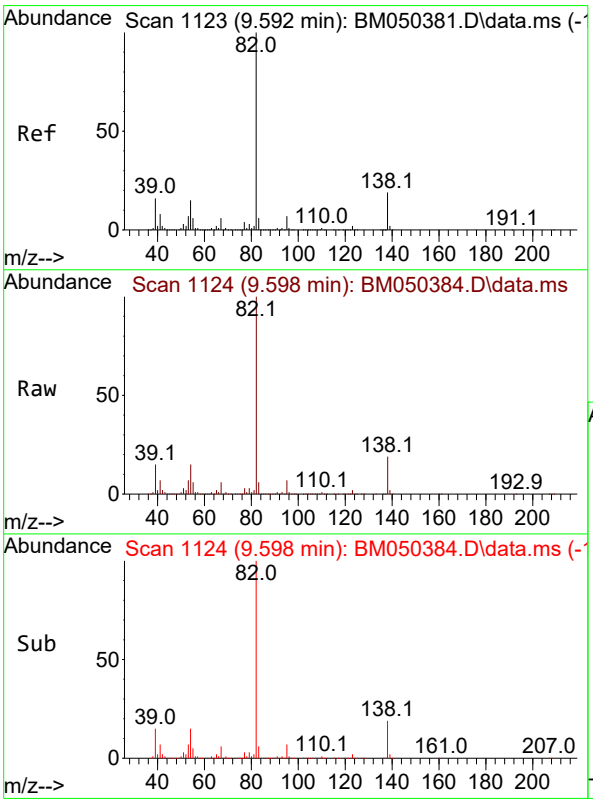

#24
Nitrobenzene
Concen: 79.875 ng
RT: 9.063 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion: 77 Resp: 2296616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.7 | 37.0 | 55.6 |
| 65 | 13.8 | 11.0 | 16.4 |

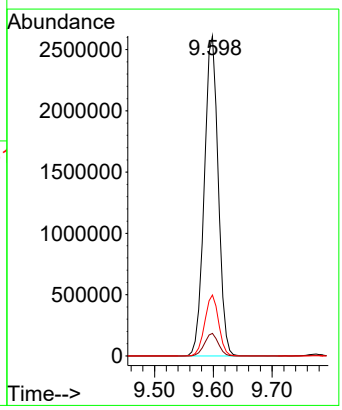


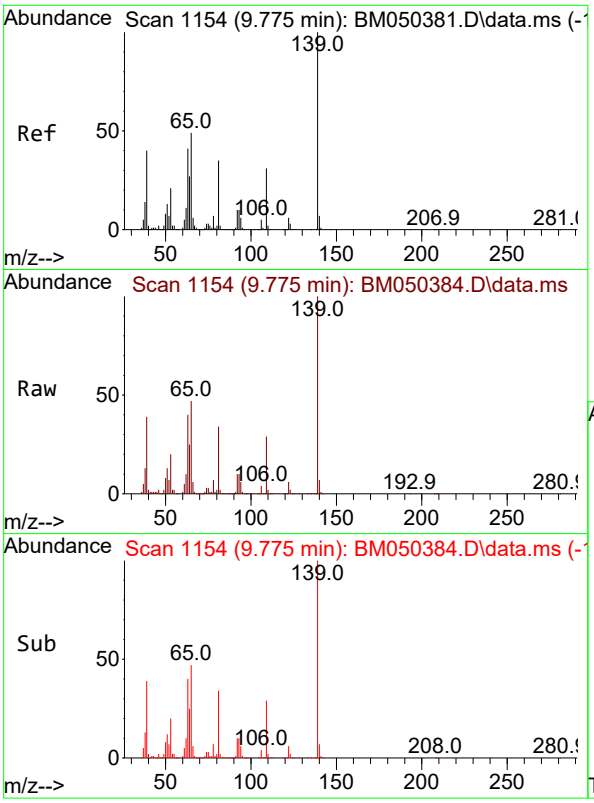




#25
Isophorone
Concen: 82.044 ng
RT: 9.598 min Scan# 1124
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion: 82 Resp: 4289620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.1 | 5.6 | 8.4 |
| 138 | 19.0 | 15.3 | 22.9 |



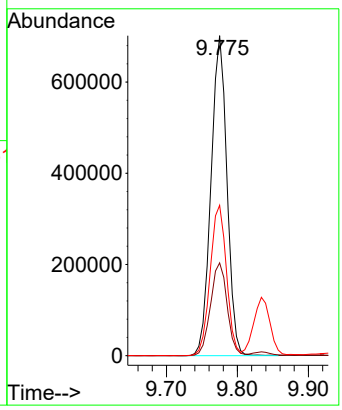


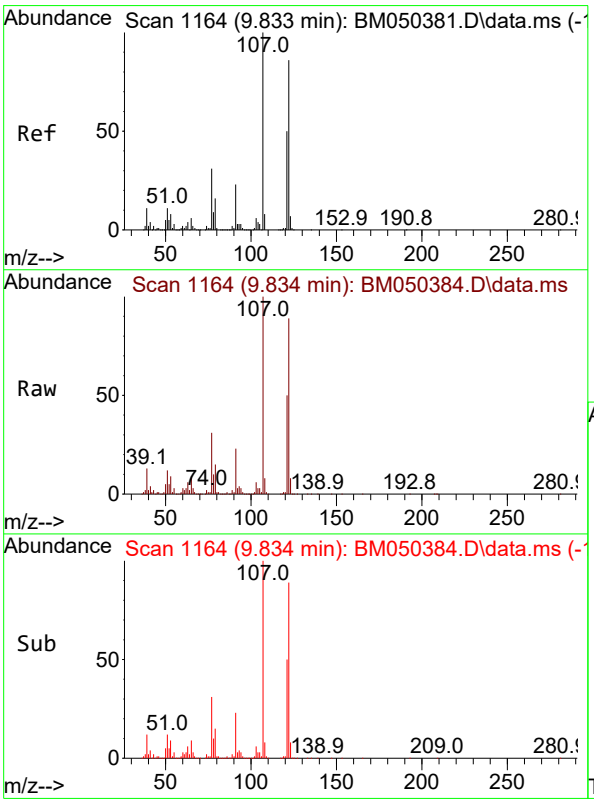

#26
2-Nitrophenol
Concen: 93.448 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:139 Resp: 1095059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 29.0 | 24.6 | 36.8 |
| 65 | 47.0 | 39.2 | 58.8 |

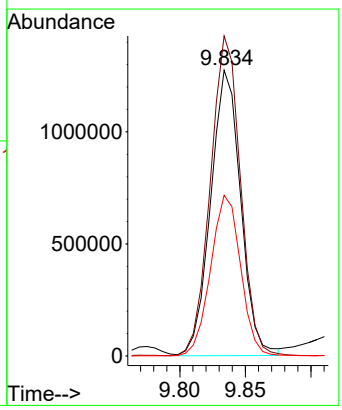


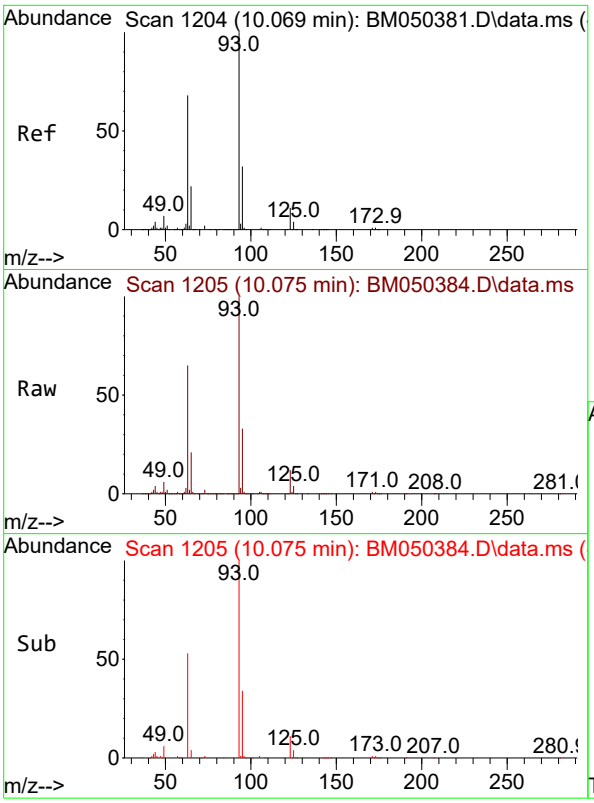




#27
2,4-Dimethylphenol
Concen: 81.267 ng
RT: 9.834 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:122 Resp: 2026460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 112.0 | 93.0 | 139.6 |
| 121 | 56.2 | 46.1 | 69.1 |



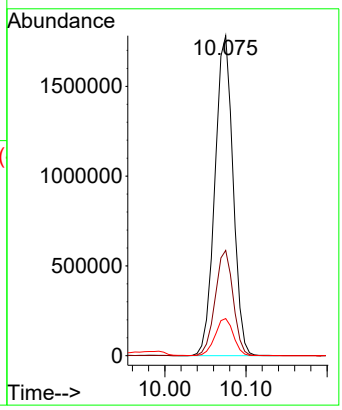


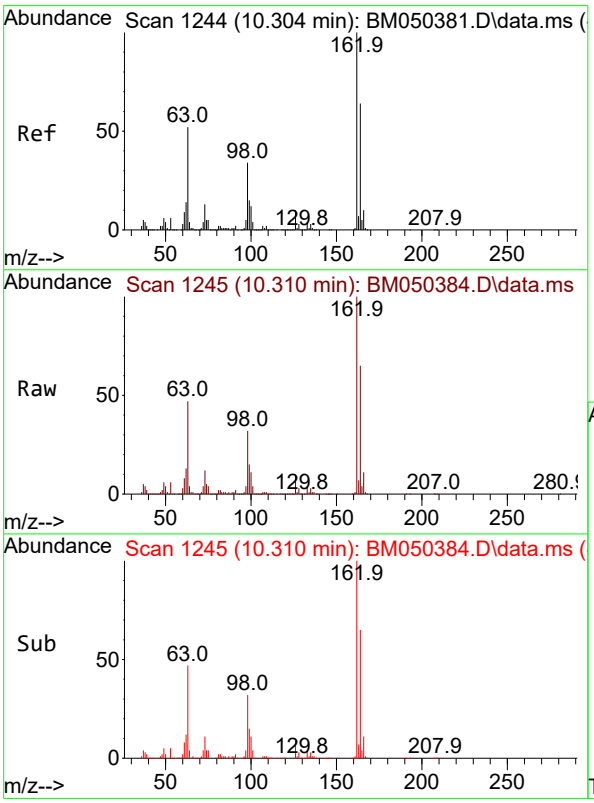

#28
bis(2-Chloroethoxy)methane
Concen: 79.691 ng
RT: 10.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion: 93 Resp: 2760921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.9 | 25.8 | 38.6 |
| 123 | 11.6 | 9.1 | 13.7 |

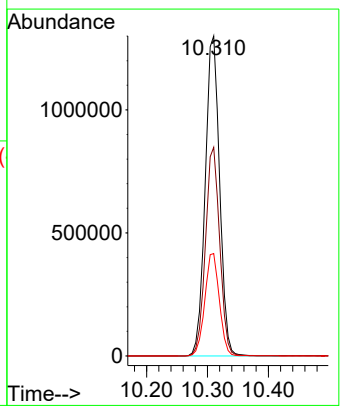


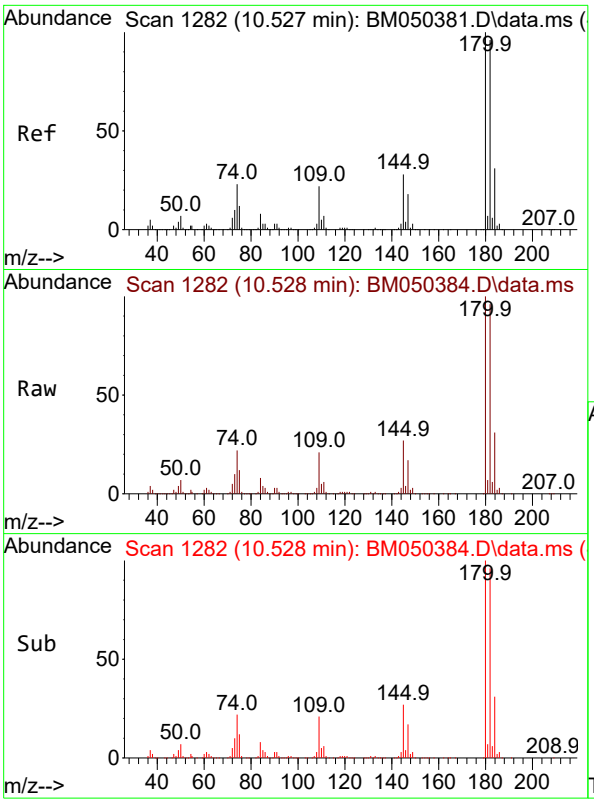




#29
2,4-Dichlorophenol
Concen: 83.334 ng
RT: 10.310 min Scan# 1245
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:162 Resp: 2134843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 65.2 | 43.7 | 83.7 |
| 98 | 32.0 | 13.7 | 53.7 |



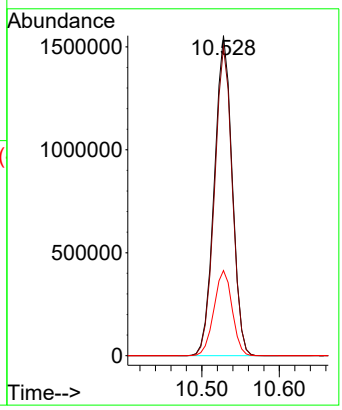


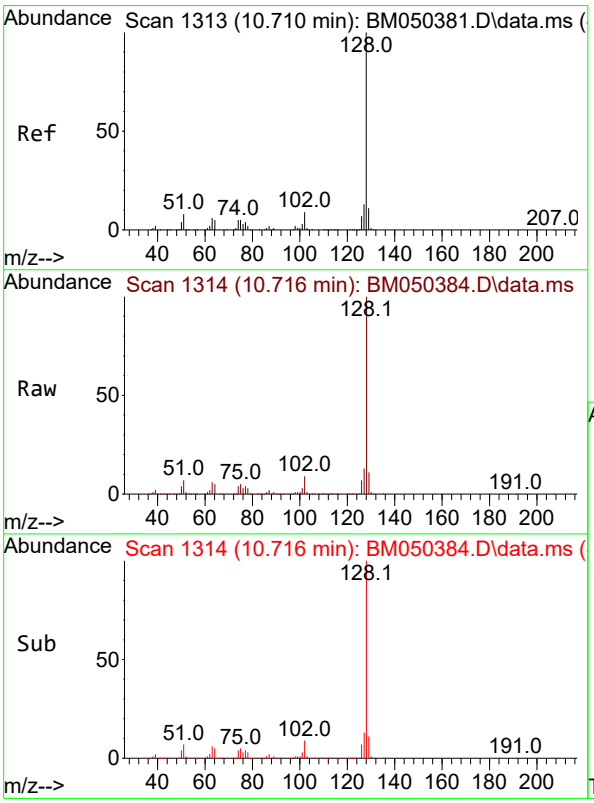

#30
1,2,4-Trichlorobenzene
Concen: 81.052 ng
RT: 10.528 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:180 Resp: 2483928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.4 | 76.8 | 115.2 |
| 145 | 26.6 | 22.6 | 33.8 |

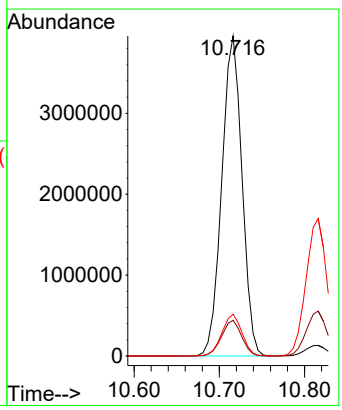


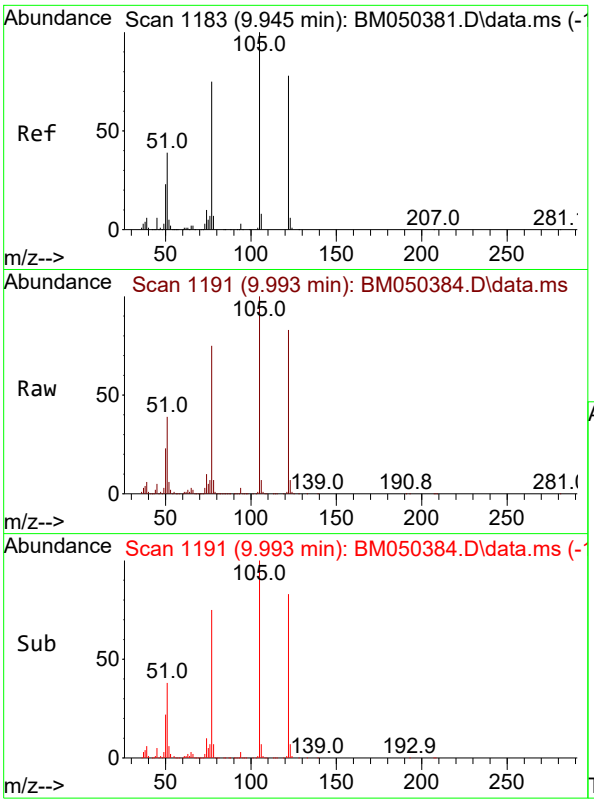




#31
Naphthalene
Concen: 78.095 ng
RT: 10.716 min Scan# 1314
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:128 Resp: 6520664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 8.8 | 13.2 |
| 127 | 13.0 | 10.4 | 15.6 |



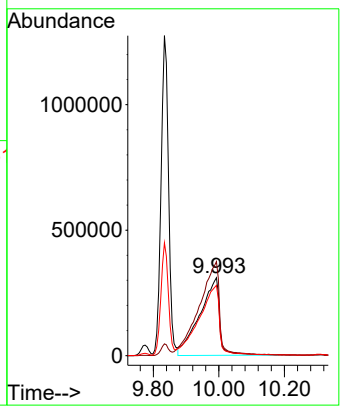


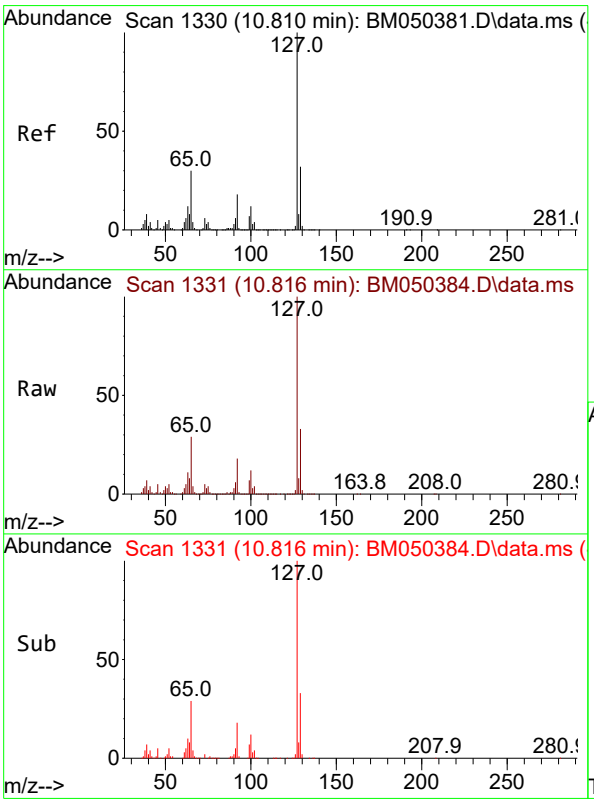

#32
Benzoic acid
Concen: 81.001 ng
RT: 9.993 min Scan# 11
Delta R.T. 0.048 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:122 Resp: 1311597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 120.8 | 104.0 | 144.0 |
| 77 | 90.4 | 73.8 | 113.8 |

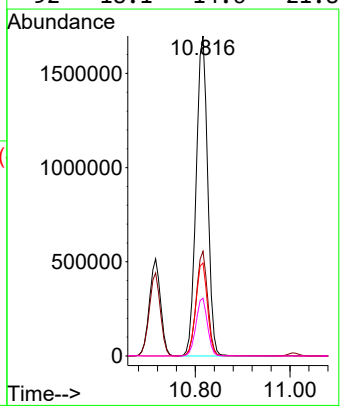


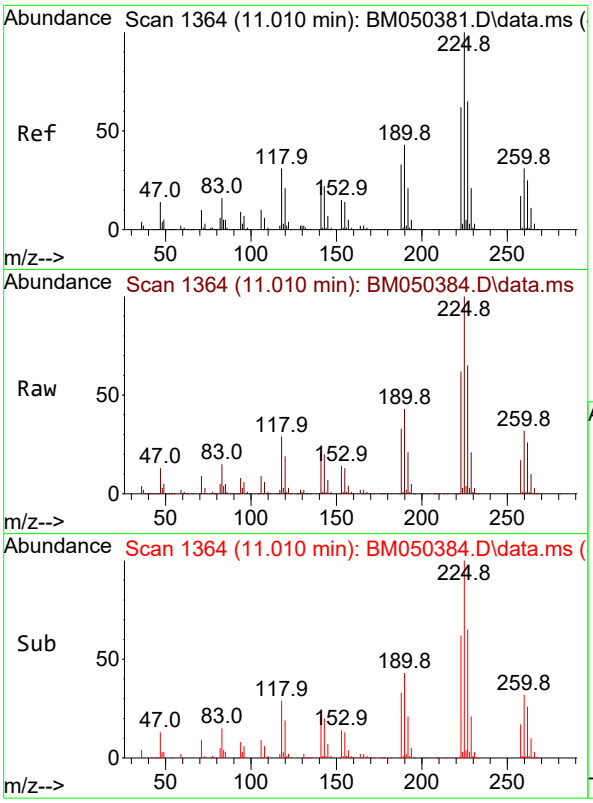




#33
4-Chloroaniline
Concen: 81.395 ng
RT: 10.816 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:127 Resp: 2873151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.7 | 25.5 | 38.3 |
| 65 | 29.1 | 23.9 | 35.9 |
| 92 | 18.1 | 14.6 | 21.8 |



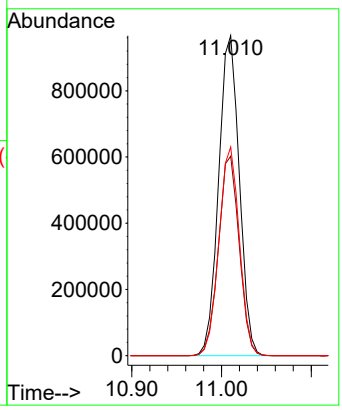


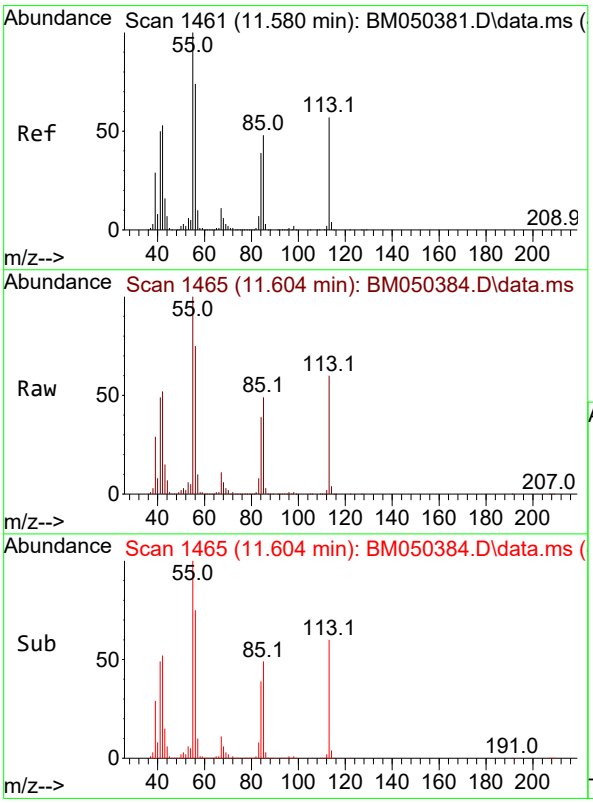

#34
Hexachlorobutadiene
Concen: 82.684 ng
RT: 11.010 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:225 Resp: 1546563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.4 | 49.7 | 74.5 |
| 227 | 65.2 | 52.1 | 78.1 |

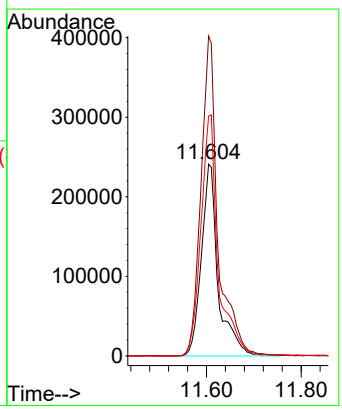


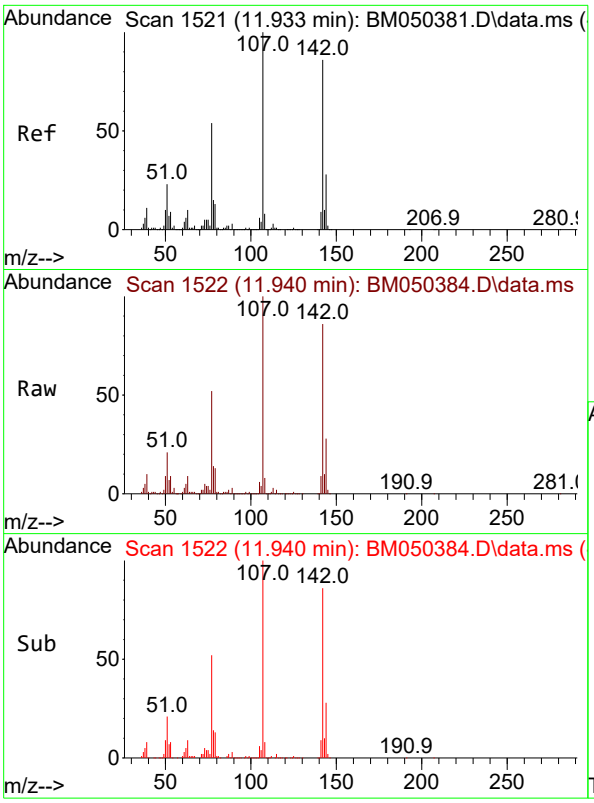




#35
Caprolactam
Concen: 84.949 ng
RT: 11.604 min Scan# 1465
Delta R.T. 0.024 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:113 Resp: 594080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 166.9 | 157.2 | 197.2 |
| 56 | 125.0 | 111.7 | 151.7 |



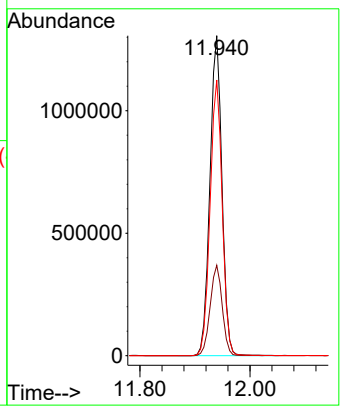


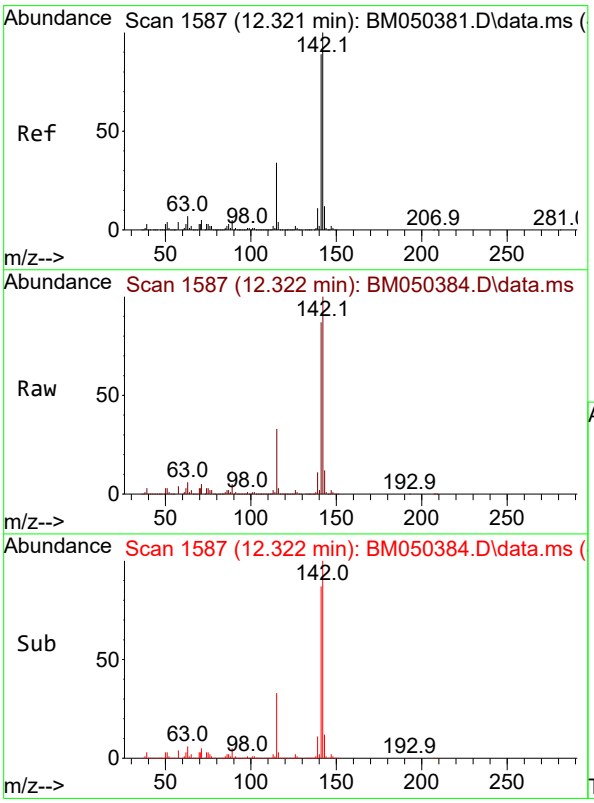

#36
4-Chloro-3-methylphenol
Concen: 82.929 ng
RT: 11.940 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:107 Resp: 1983864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 28.3 | 22.2 | 33.4 |
| 142 | 86.2 | 68.7 | 103.1 |

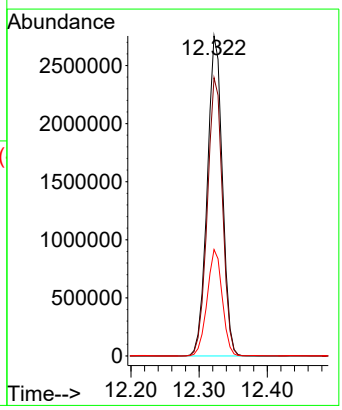


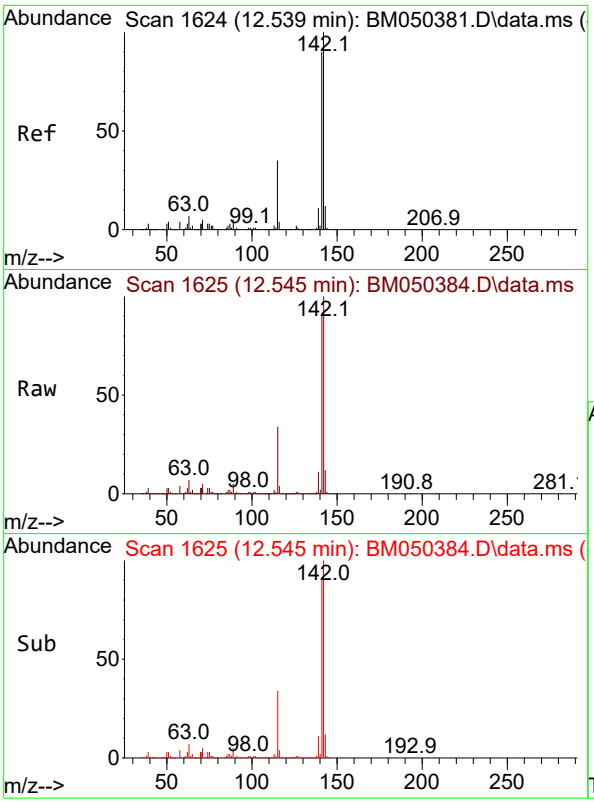




#37
2-Methylnaphthalene
Concen: 80.705 ng
RT: 12.322 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:142 Resp: 4254768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 86.9 | 70.8 | 106.2 |
| 115 | 33.2 | 27.0 | 40.4 |



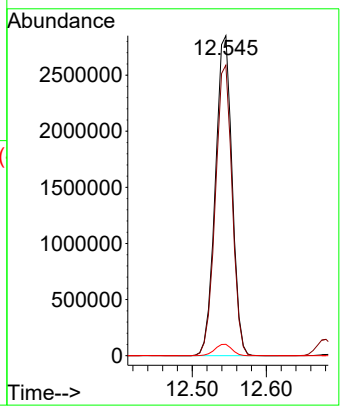


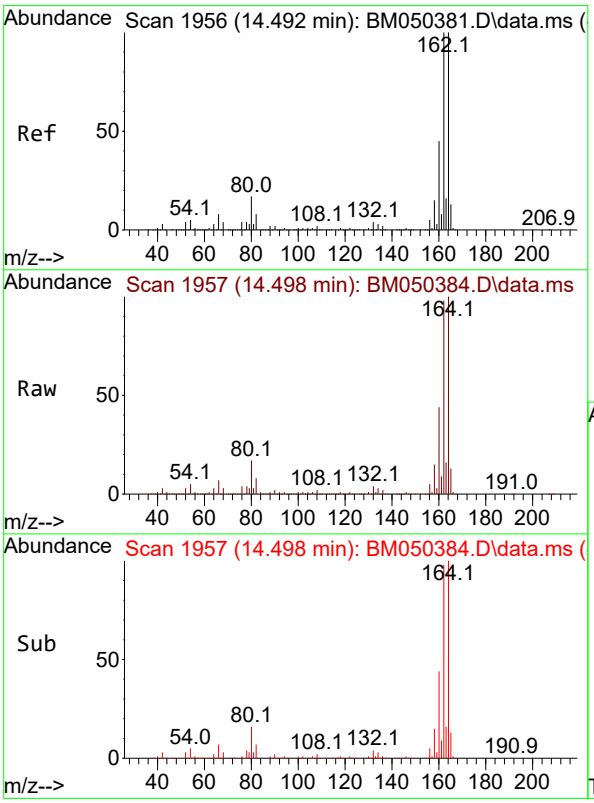

#38
1-Methylnaphthalene
Concen: 80.207 ng
RT: 12.545 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:142 Resp: 4475032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.8 | 71.9 | 107.9 |
| 116 | 3.6 | 3.0 | 4.6 |

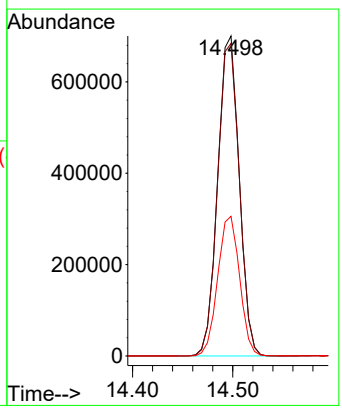


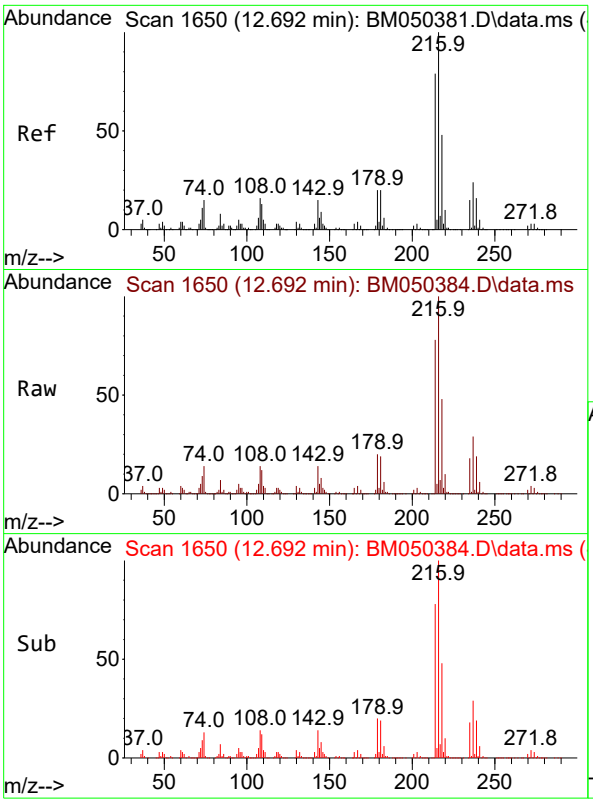




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.498 min Scan# 1957
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:164 Resp: 1043719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 97.6 | 79.9 | 119.9 |
| 160 | 43.6 | 36.2 | 54.4 |



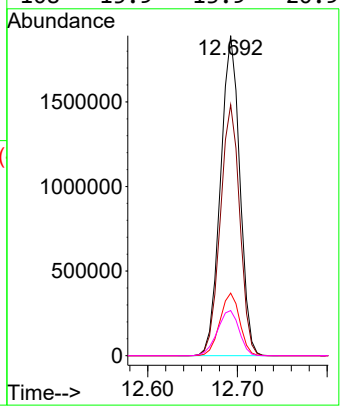


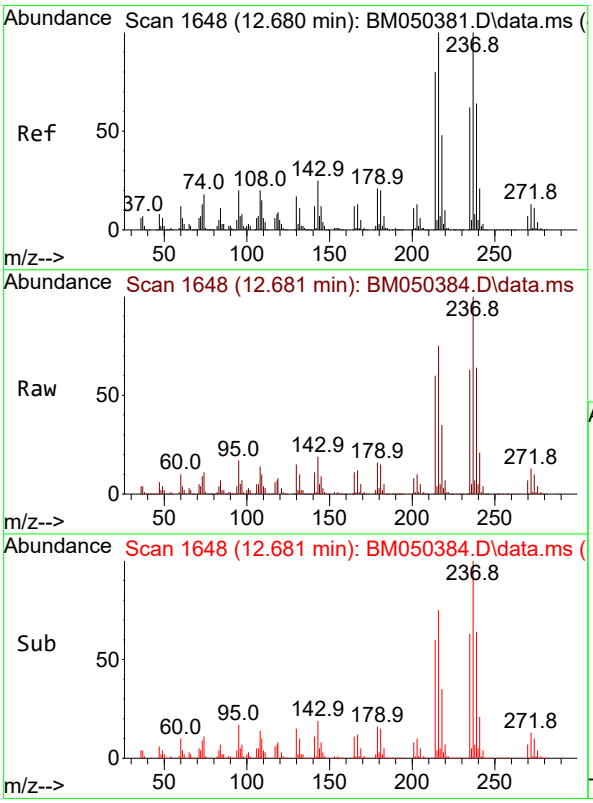

#40
1,2,4,5-Tetrachlorobenzene
Concen: 85.112 ng
RT: 12.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:216 Resp: 2824950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.9 | 63.3 | 94.9 |
| 179 | 20.0 | 16.4 | 24.6 |
| 108 | 15.9 | 13.9 | 20.9 |

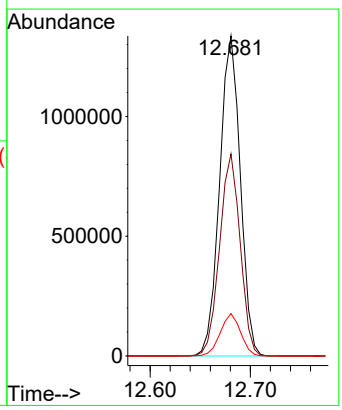


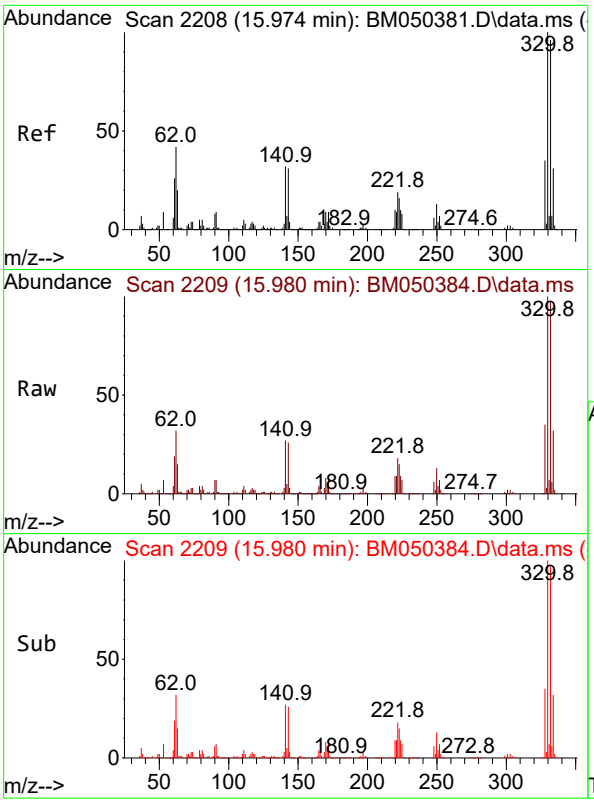




#41
Hexachlorocyclopentadiene
Concen: 90.239 ng
RT: 12.681 min Scan# 1648
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:237 Resp: 1914528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.1 | 42.3 | 82.3 |
| 272 | 13.2 | 0.0 | 33.0 |



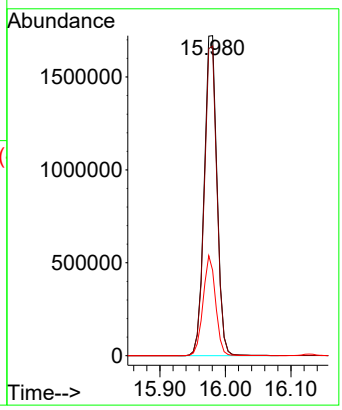


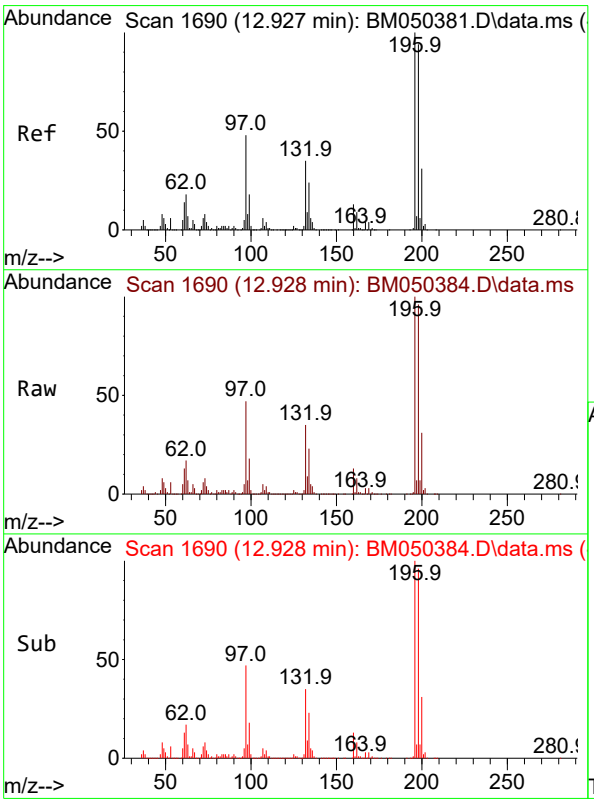

#42
2,4,6-Tribromophenol
Concen: 184.182 ng
RT: 15.980 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:330 Resp: 2335664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.3 | 76.9 | 115.3 |
| 141 | 30.7 | 27.4 | 41.0 |

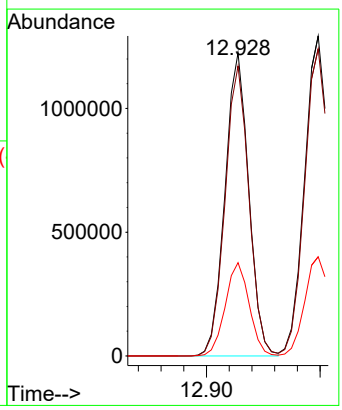


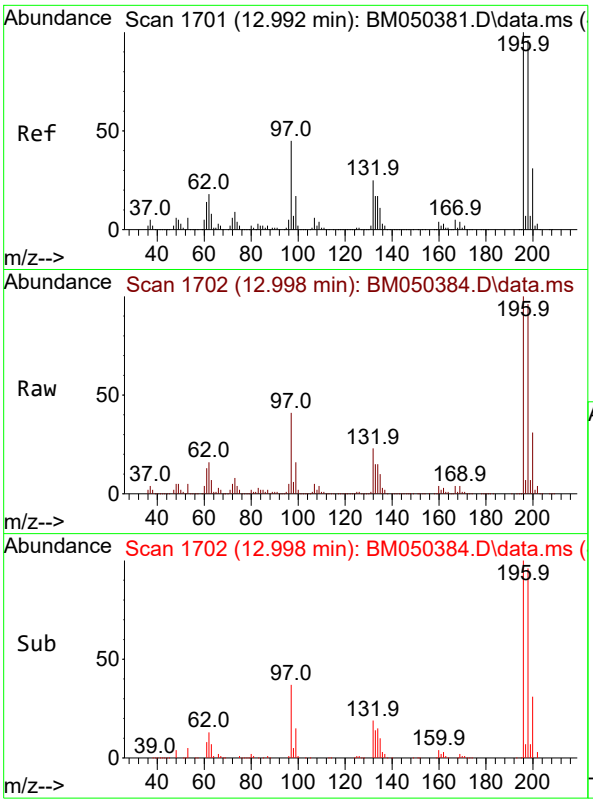




#43
2,4,6-Trichlorophenol
Concen: 87.263 ng
RT: 12.928 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:196 Resp: 1782842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.6 | 75.1 | 112.7 |
| 200 | 30.8 | 24.6 | 37.0 |



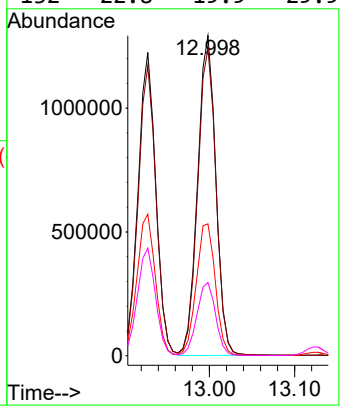


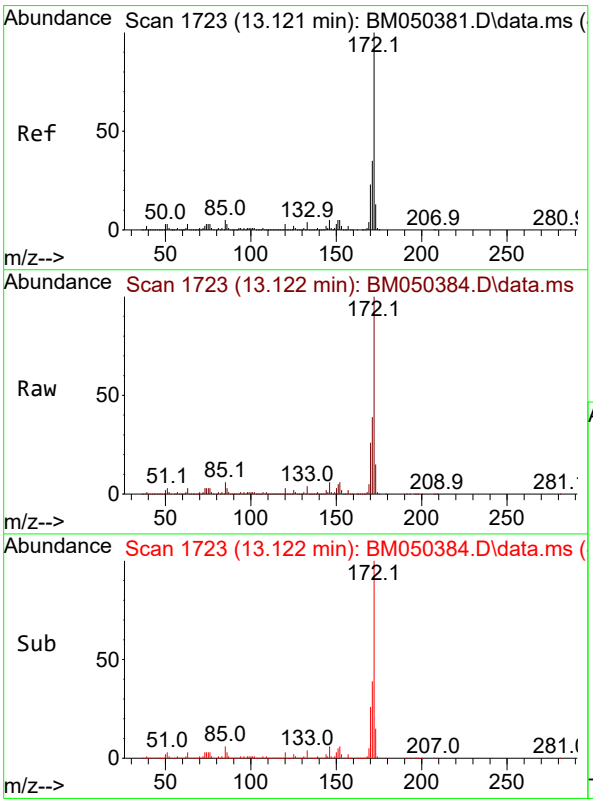

#44
2,4,5-Trichlorophenol
Concen: 86.021 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:196 Resp: 1919360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.0 | 77.2 | 115.8 |
| 97 | 41.2 | 36.2 | 54.4 |
| 132 | 22.8 | 19.9 | 29.9 |

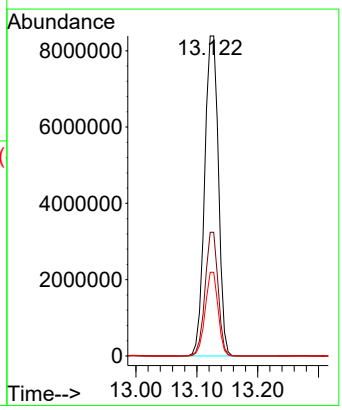


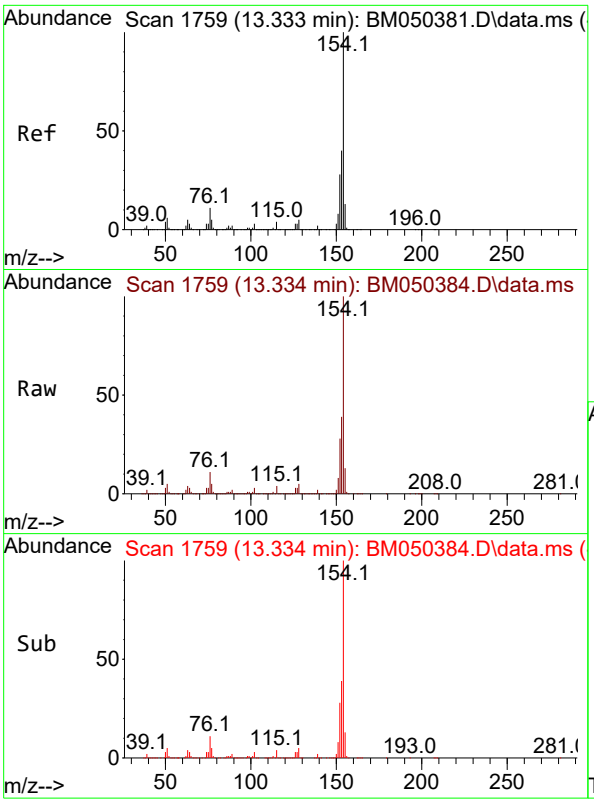




#45
2-Fluorobiphenyl
Concen: 155.576 ng
RT: 13.122 min Scan# 1723
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:172 Resp:13148691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 38.6 | 27.7 | 41.5 |
| 170 | 26.2 | 18.8 | 28.2 |



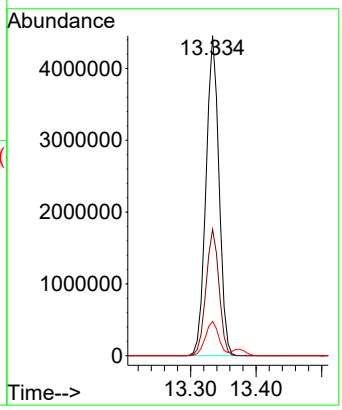


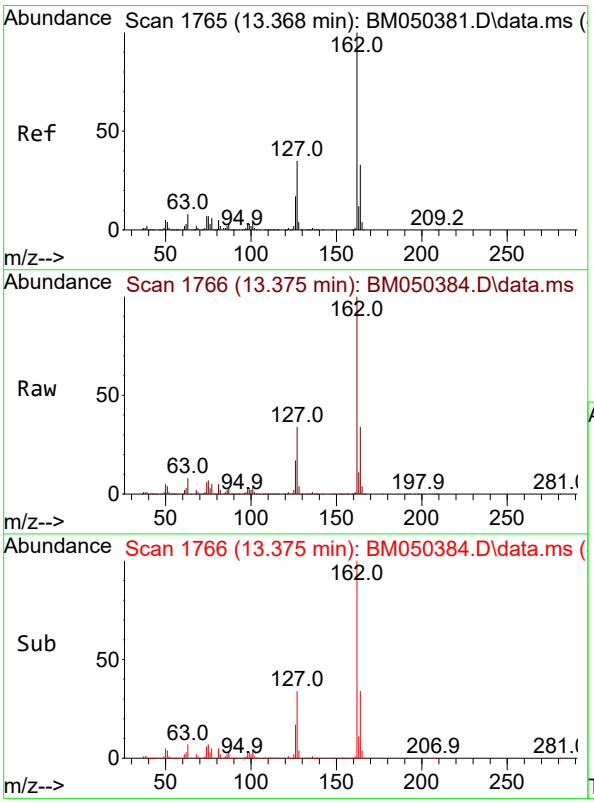

#46
1,1'-Biphenyl
Concen: 79.310 ng
RT: 13.334 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:154 Resp: 6141549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.5 | 19.7 | 59.7 |
| 76 | 10.7 | 0.0 | 30.9 |

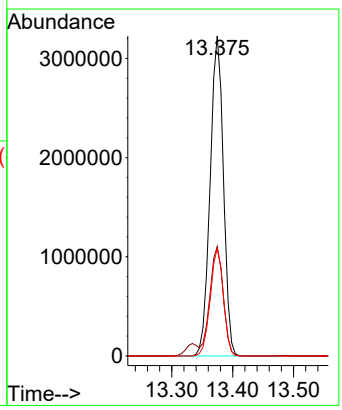


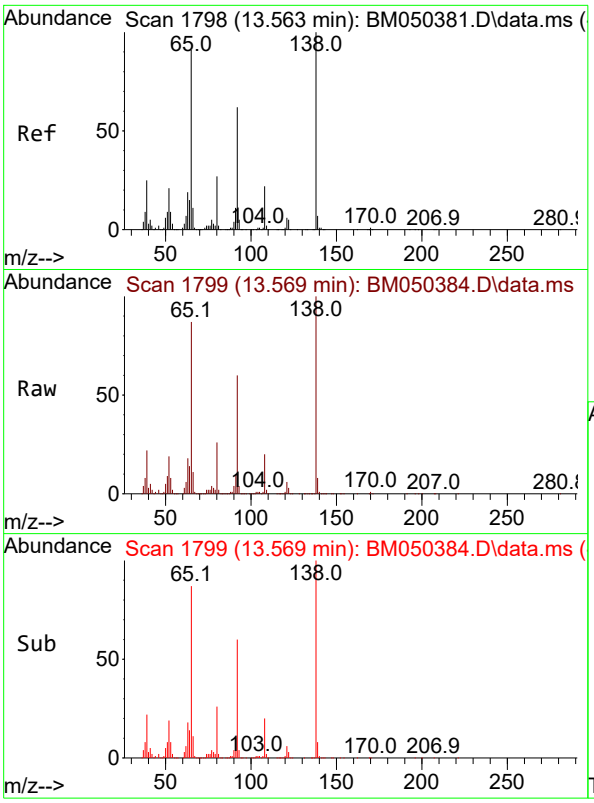




#47
2-Chloronaphthalene
Concen: 79.196 ng
RT: 13.375 min Scan# 1766
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:162 Resp: 4889665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 34.2 | 28.3 | 42.5 |
| 164 | 33.6 | 26.6 | 40.0 |



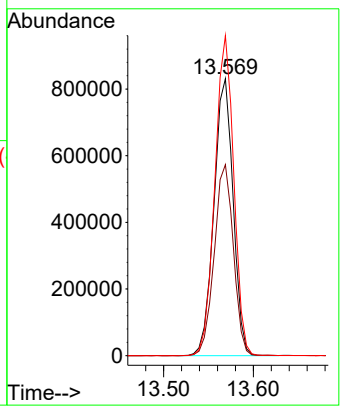


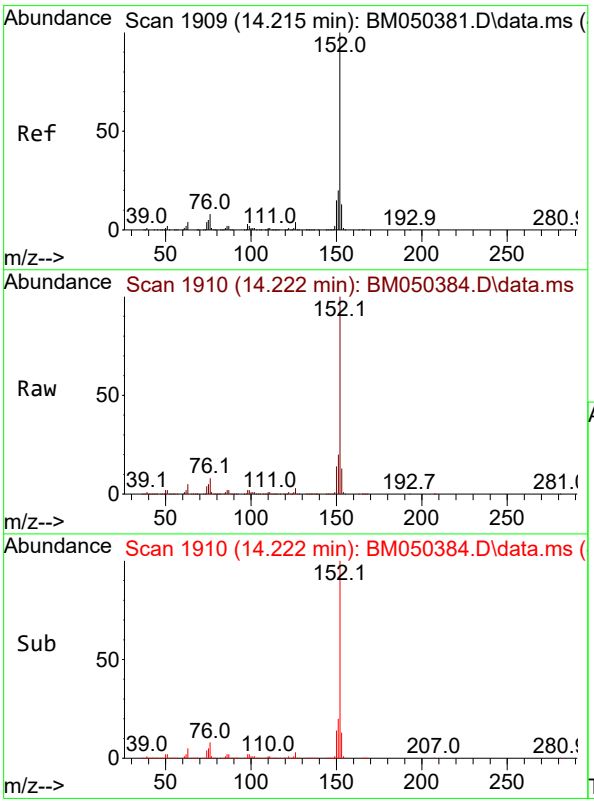

#48
2-Nitroaniline
Concen: 89.485 ng
RT: 13.569 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion: 65 Resp: 1233222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 68.9 | 54.3 | 81.5 |
| 138 | 115.5 | 87.8 | 131.6 |

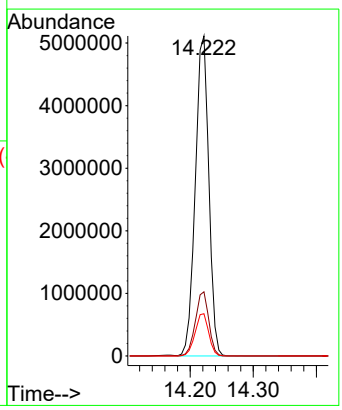


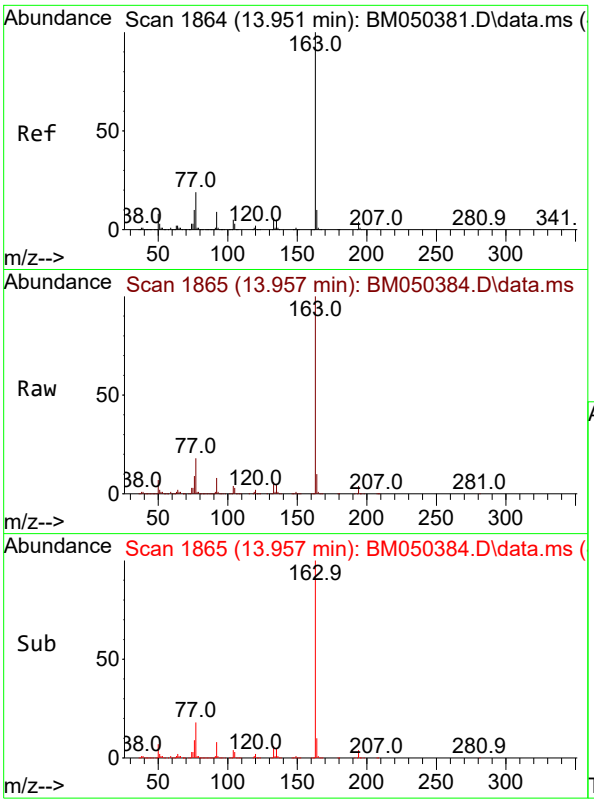




#49
Acenaphthylene
Concen: 81.019 ng
RT: 14.222 min Scan# 1910
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:152 Resp: 7559726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.3 | 24.5 |
| 153 | 13.2 | 10.6 | 15.8 |



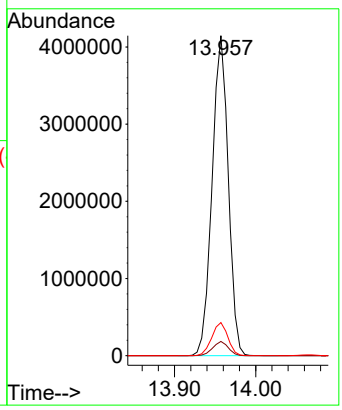


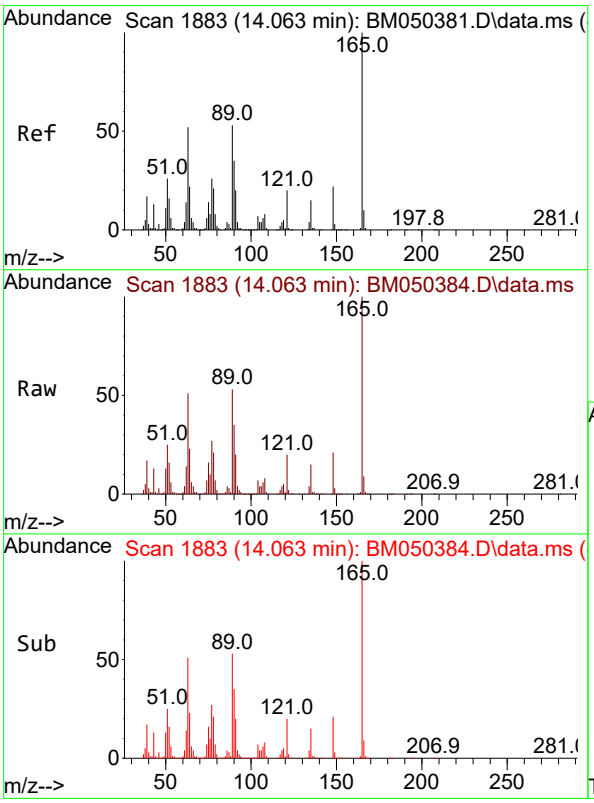

#50
Dimethylphthalate
Concen: 79.779 ng
RT: 13.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:163 Resp: 5732691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.4 | 3.4 | 5.2 |
| 164 | 10.4 | 8.2 | 12.2 |

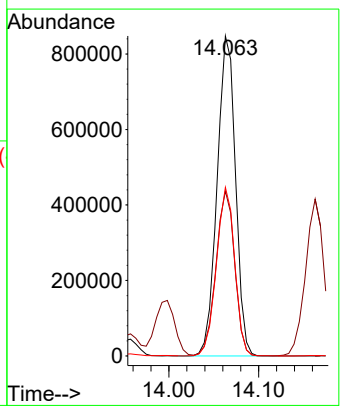


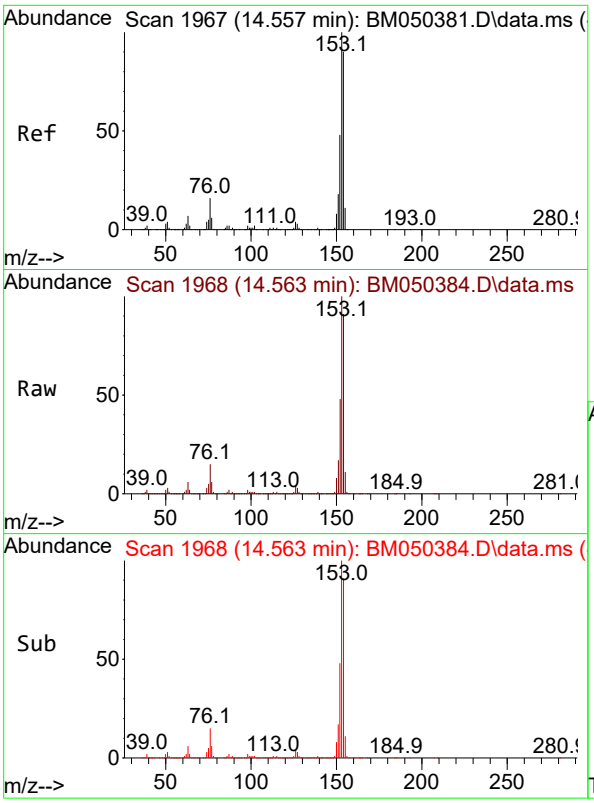




#51
2,6-Dinitrotoluene
Concen: 87.496 ng
RT: 14.063 min Scan# 1883
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:165 Resp: 1207179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 51.5 | 42.4 | 63.6 |
| 89 | 52.7 | 42.2 | 63.2 |



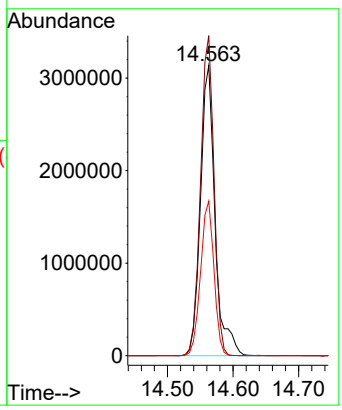


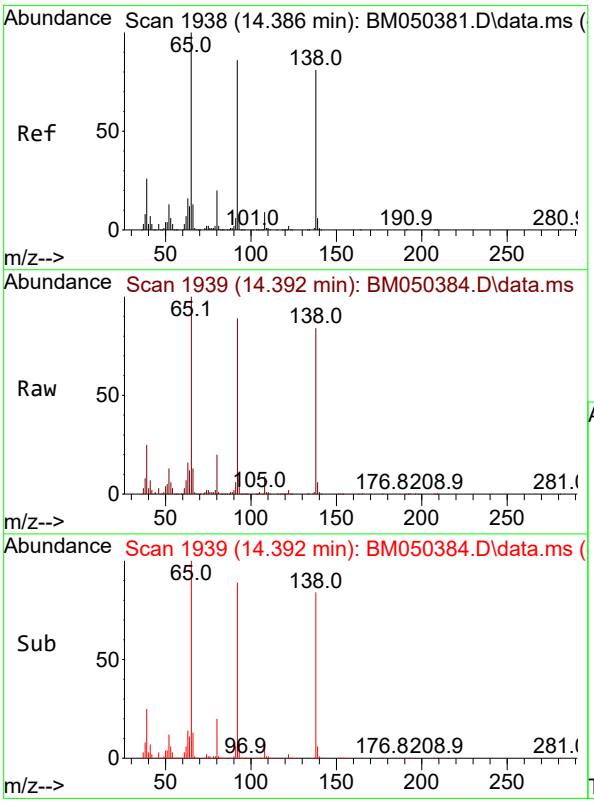

#52
Acenaphthene
Concen: 81.486 ng
RT: 14.563 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:154 Resp: 4833886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 110.3 | 89.2 | 133.8 |
| 152 | 53.3 | 42.6 | 64.0 |

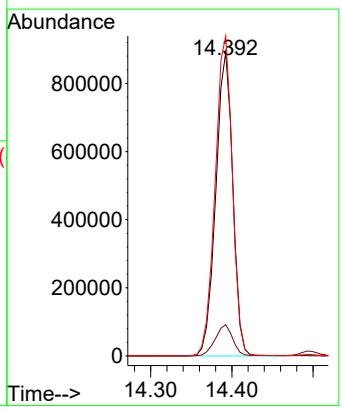


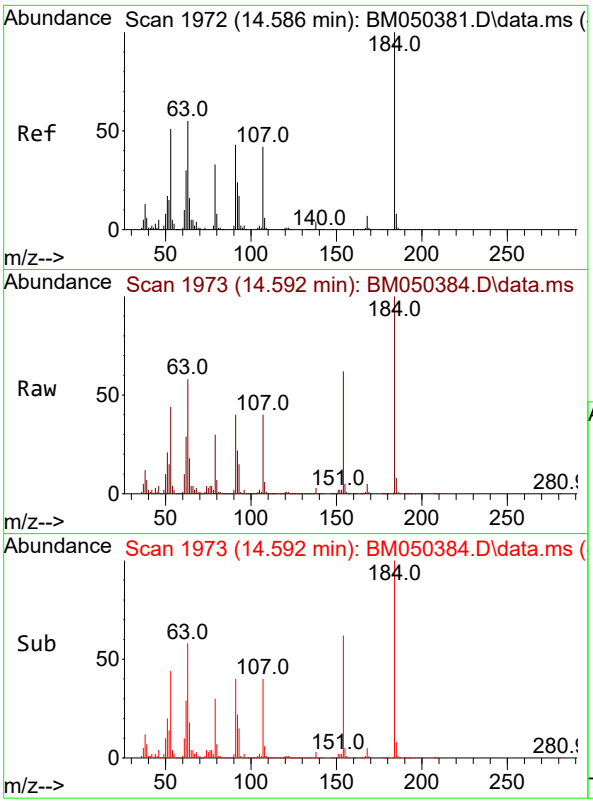




#53
3-Nitroaniline
Concen: 88.444 ng
RT: 14.392 min Scan# 1939
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:138 Resp: 1297724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.3 | 8.8 | 13.2 |
| 92 | 105.4 | 85.0 | 127.6 |



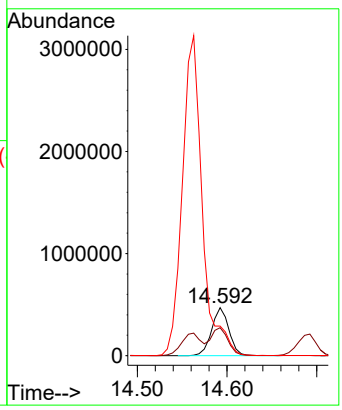


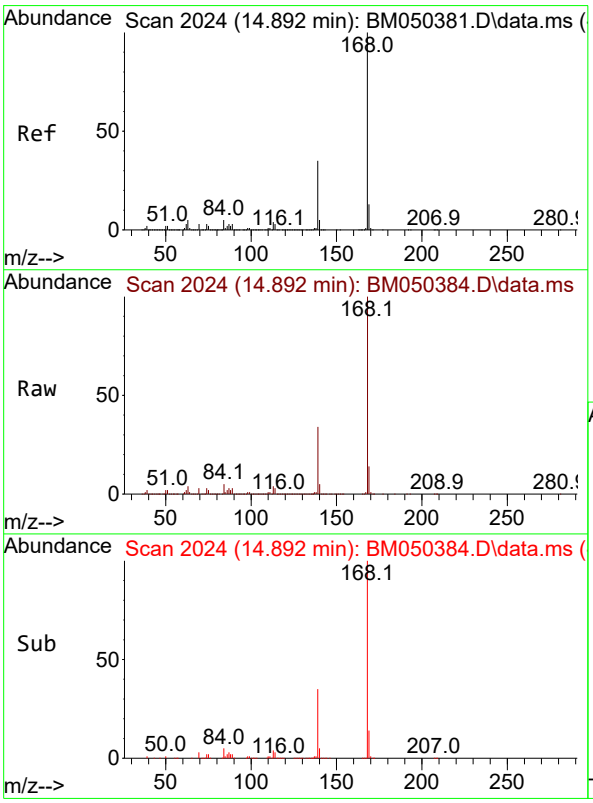

#54
2,4-Dinitrophenol
Concen: 82.116 ng
RT: 14.592 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:184 Resp: 626569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 58.4 | 53.4 | 80.0 |
| 154 | 61.7 | 61.6 | 92.4 |

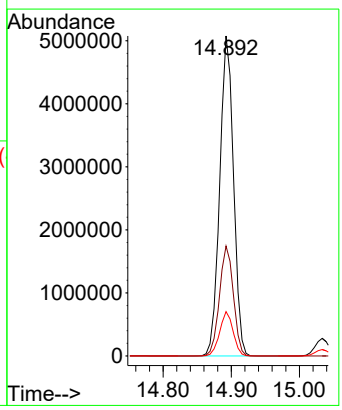


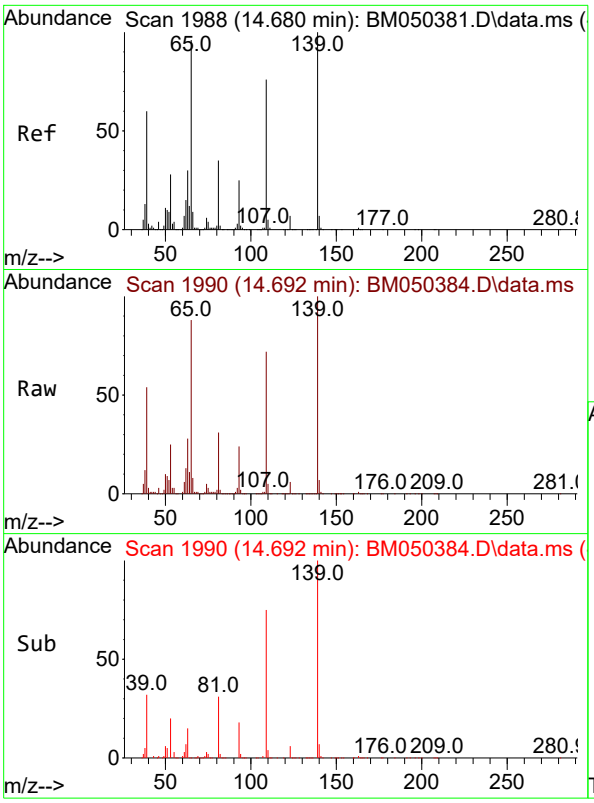




#55
Dibenzofuran
Concen: 78.152 ng
RT: 14.892 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:168 Resp: 7143343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 34.4 | 27.7 | 41.5 |
| 169 | 13.8 | 10.7 | 16.1 |



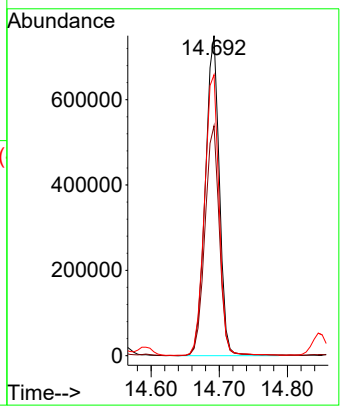


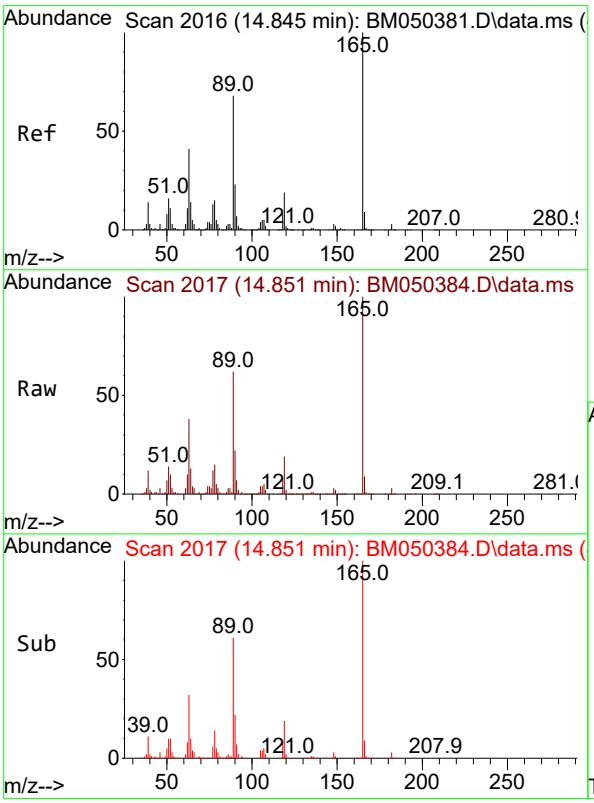

#56
4-Nitrophenol
Concen: 85.262 ng
RT: 14.692 min Scan# 1
Delta R.T. 0.012 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:139 Resp: 1075848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 71.9 | 56.5 | 96.5 |
| 65 | 87.8 | 76.4 | 116.4 |

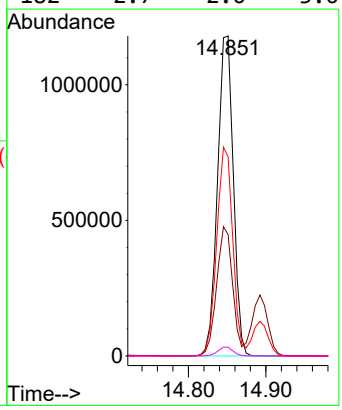


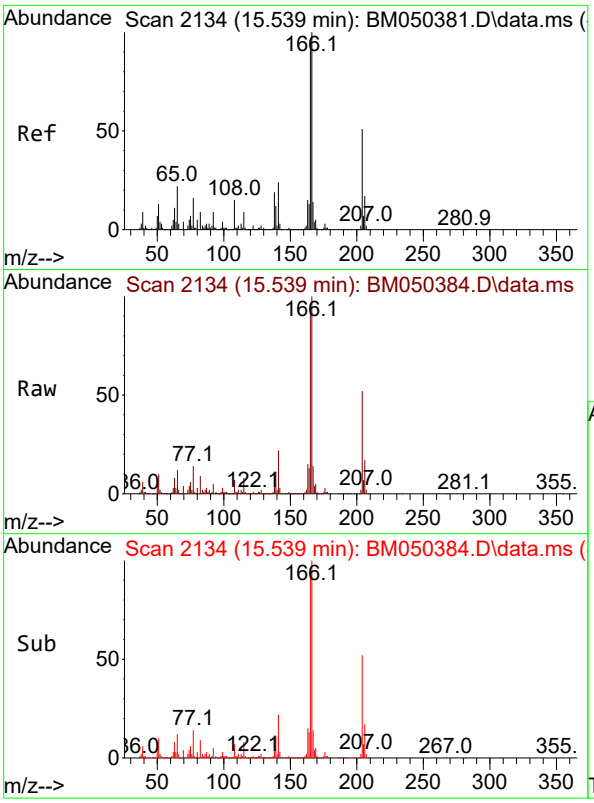




#57
2,4-Dinitrotoluene
Concen: 79.189 ng
RT: 14.851 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:165 Resp: 1674329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 37.9 | 32.5 | 48.7 |
| 89 | 62.2 | 54.0 | 81.0 |
| 182 | 2.7 | 2.0 | 3.0 |



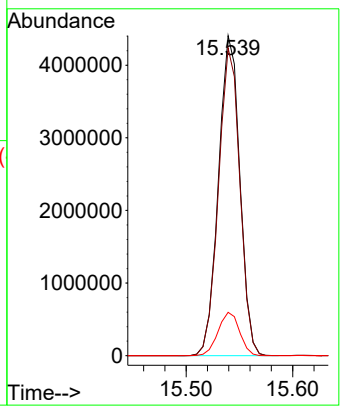


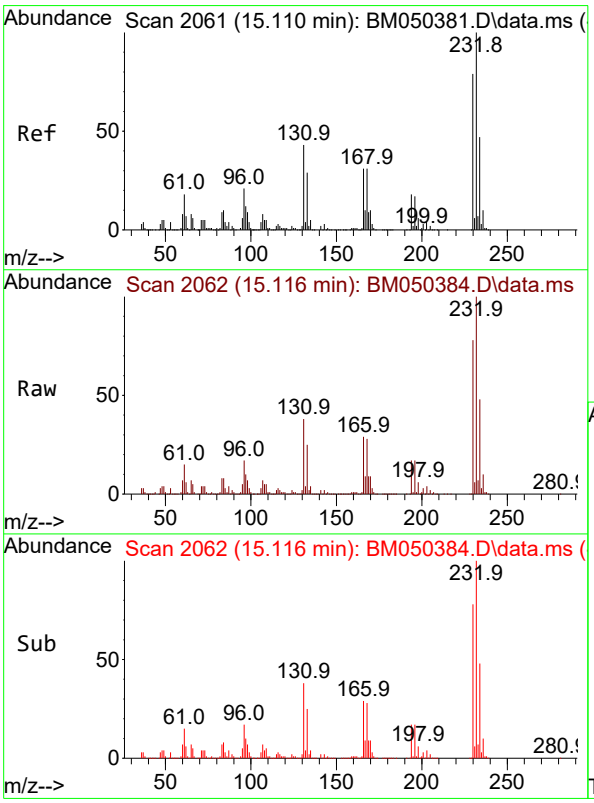

#58
Fluorene
Concen: 81.530 ng
RT: 15.539 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:166 Resp: 6138107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.1 | 77.0 | 115.6 |
| 167 | 13.6 | 10.9 | 16.3 |

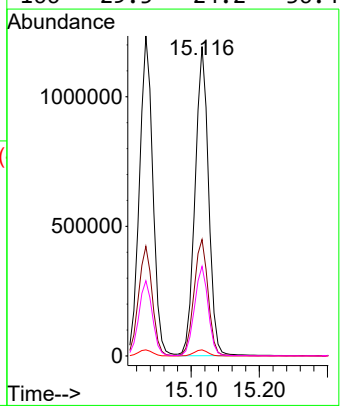


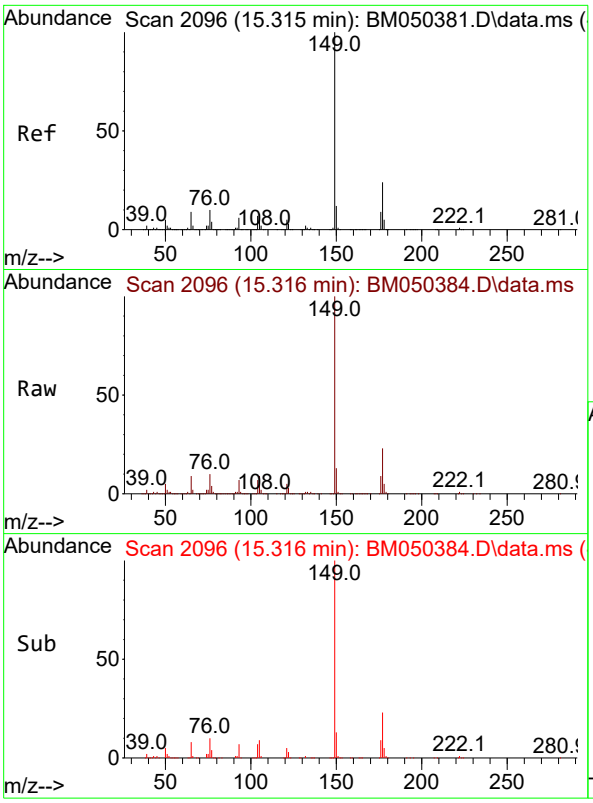




#59
2,3,4,6-Tetrachlorophenol
Concen: 87.136 ng
RT: 15.116 min Scan# 2062
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:232 Resp: 1636646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 39.2 | 33.4 | 50.0 |
| 130 | 2.1 | 1.8 | 2.6 |
| 166 | 29.5 | 24.2 | 36.4 |



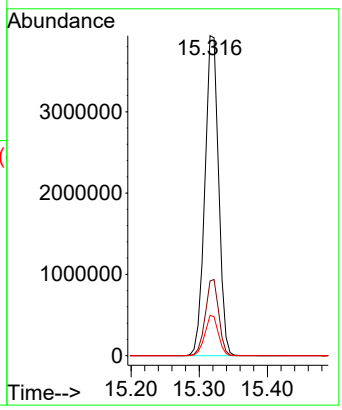


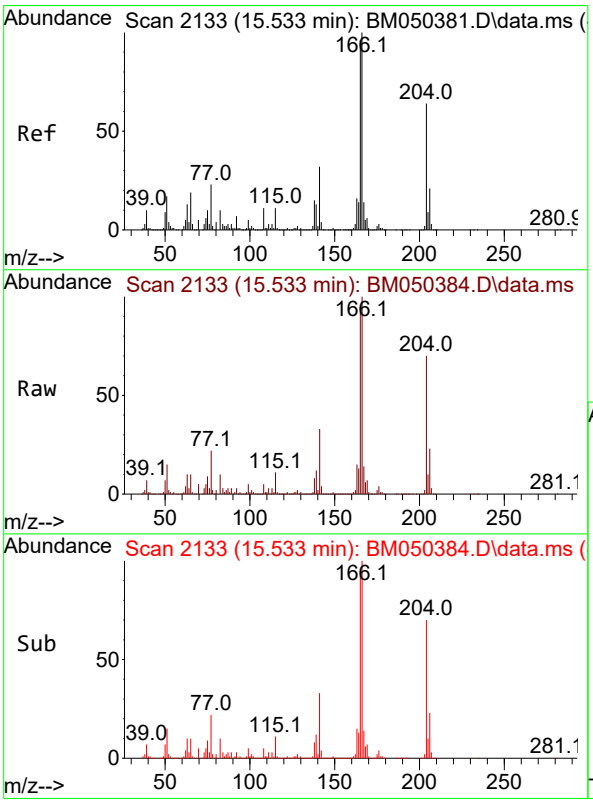

#60
Diethylphthalate
Concen: 80.291 ng
RT: 15.316 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 5511226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 23.4 | 18.8 | 28.2 |
| 150 | 12.6 | 9.8 | 14.8 |

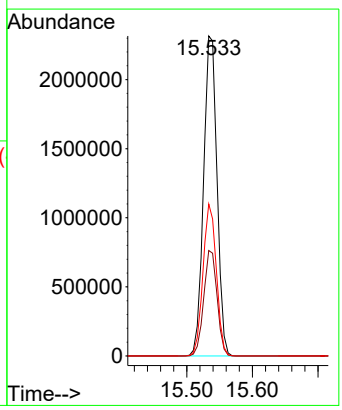


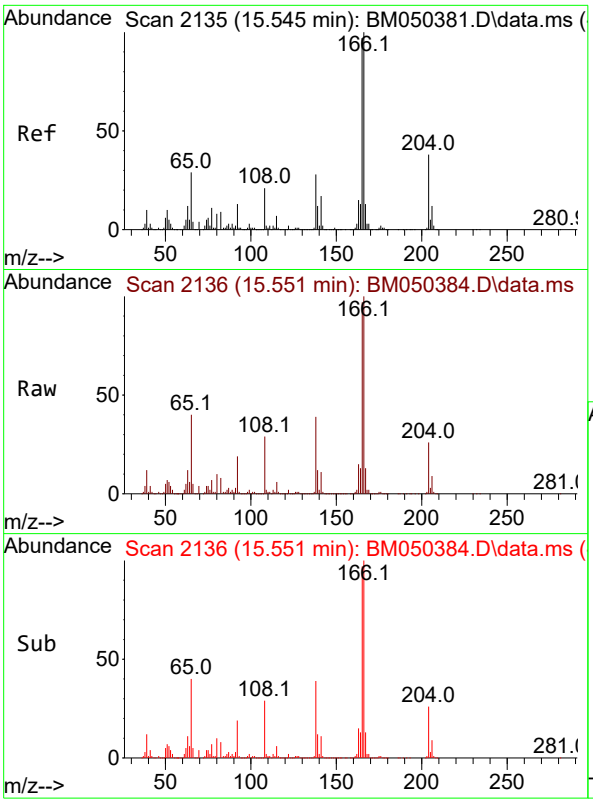




#61
4-Chlorophenyl-phenylether
Concen: 83.798 ng
RT: 15.533 min Scan# 2133
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:204 Resp: 3298863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.0 | 26.6 | 39.8 |
| 141 | 47.5 | 39.9 | 59.9 |



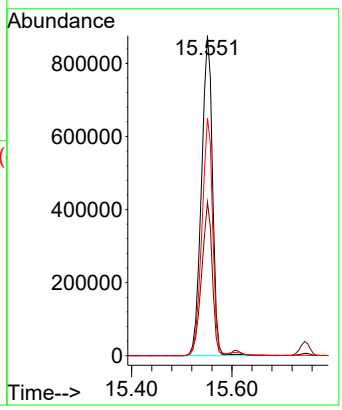


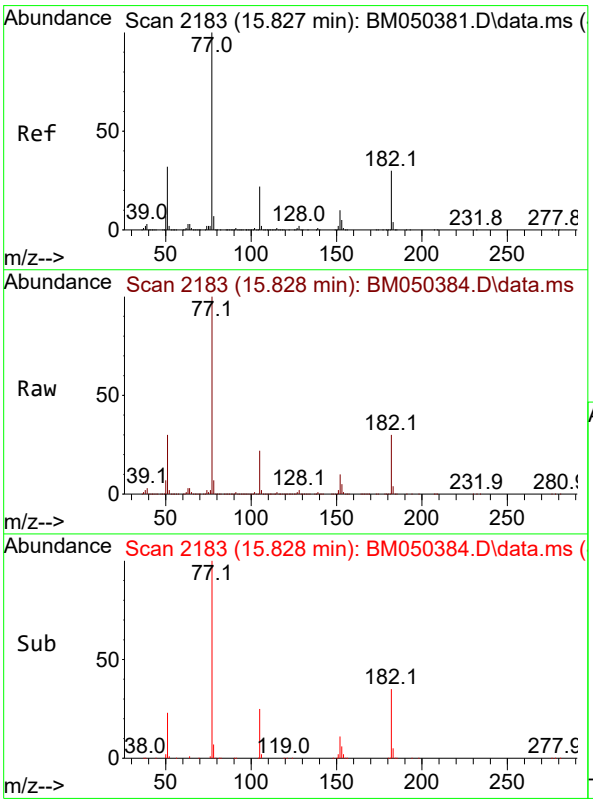

#62
4-Nitroaniline
Concen: 77.536 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:138 Resp: 1336300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 48.0 | 24.5 | 64.5 |
| 108 | 74.2 | 52.5 | 92.5 |

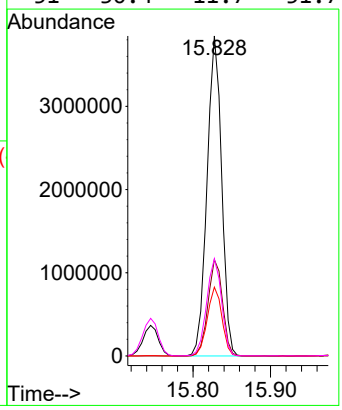


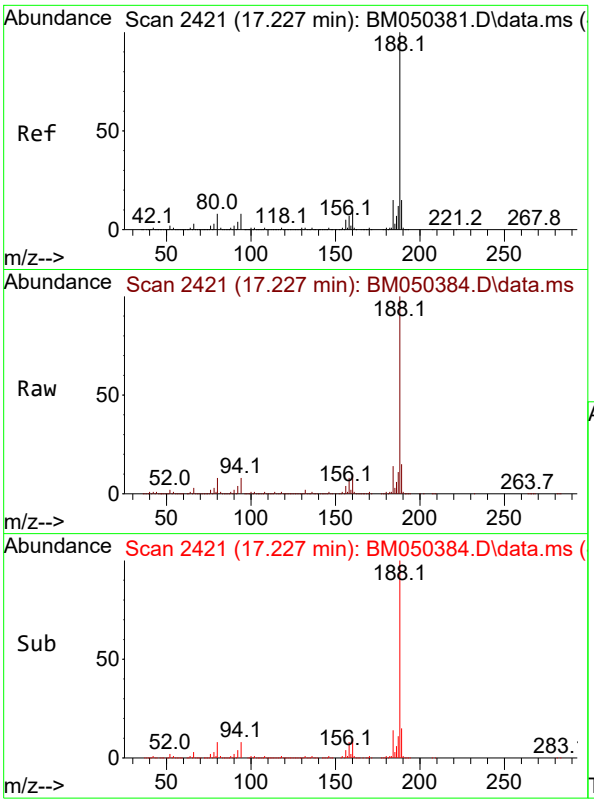




#63
Azobenzene
Concen: 79.741 ng
RT: 15.828 min Scan# 2183
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion: 77 Resp: 5026045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 30.1 | 10.0 | 50.0 |
| 105 | 21.5 | 2.0 | 42.0 |
| 51 | 30.4 | 11.7 | 51.7 |



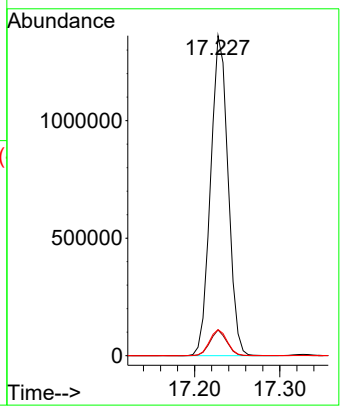


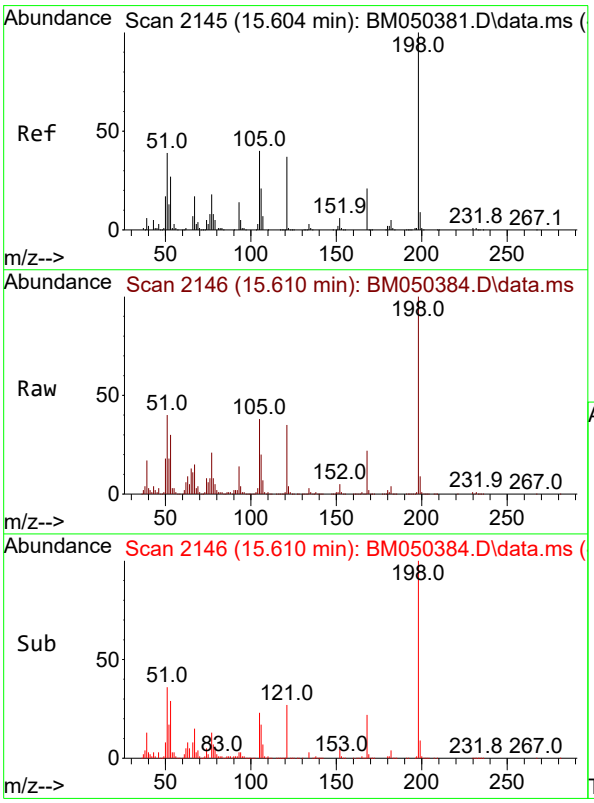

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:188 Resp: 1944455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.1 | 6.0 | 9.0 |
| 80 | 8.1 | 6.5 | 9.7 |

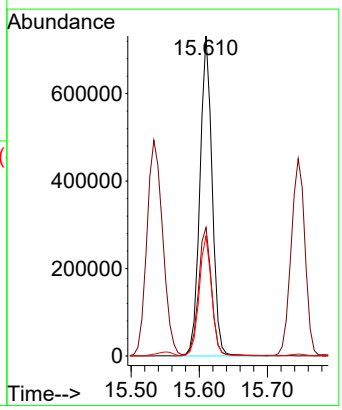


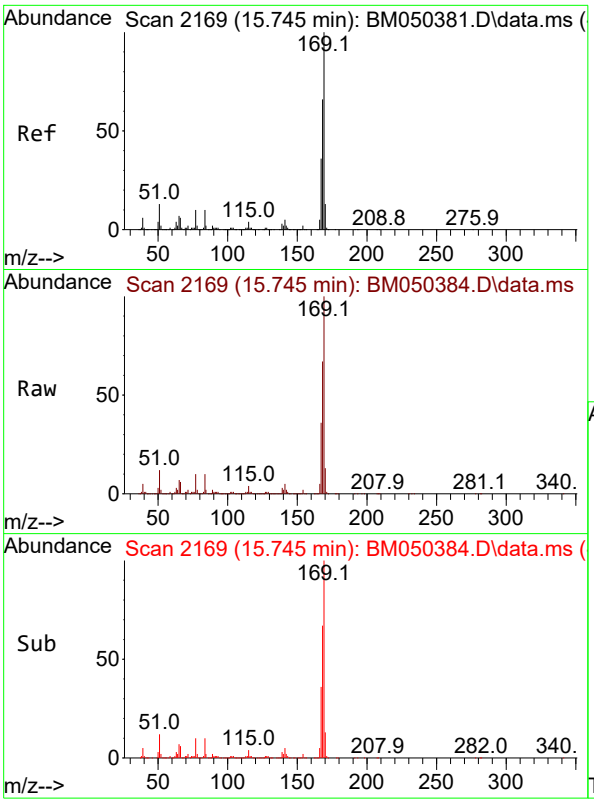




#65
4,6-Dinitro-2-methylphenol
Concen: 82.140 ng
RT: 15.610 min Scan# 2146
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:198 Resp: 912781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 40.1 | 26.6 | 66.6 |
| 105 | 37.5 | 20.9 | 60.9 |



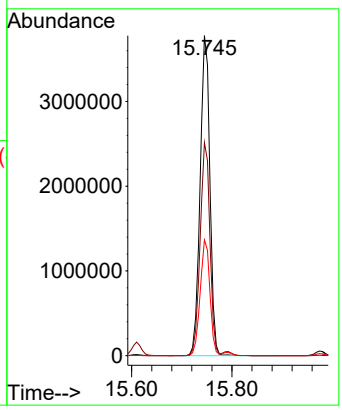


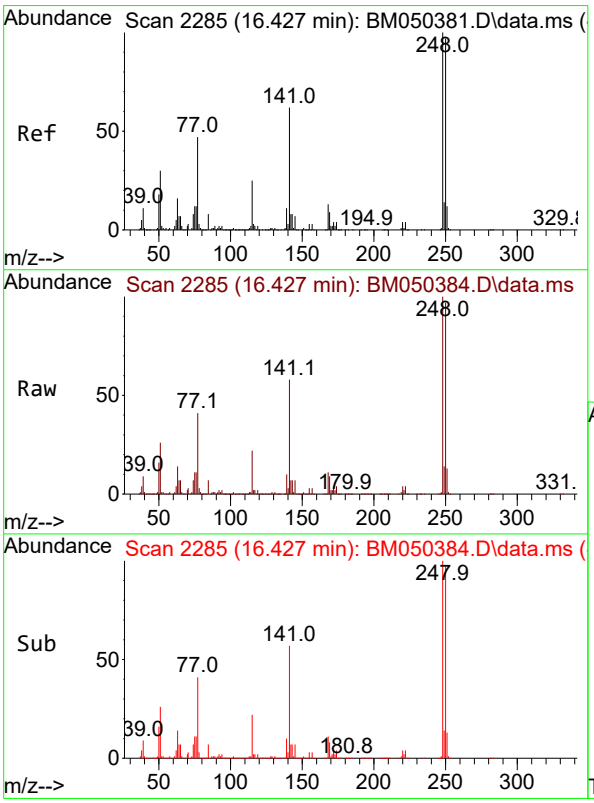

#66
n-Nitrosodiphenylamine
Concen: 83.592 ng
RT: 15.745 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:169 Resp: 5086187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.6 | 53.2 | 79.8 |
| 167 | 36.2 | 28.7 | 43.1 |

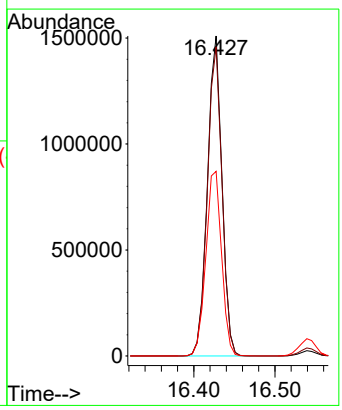


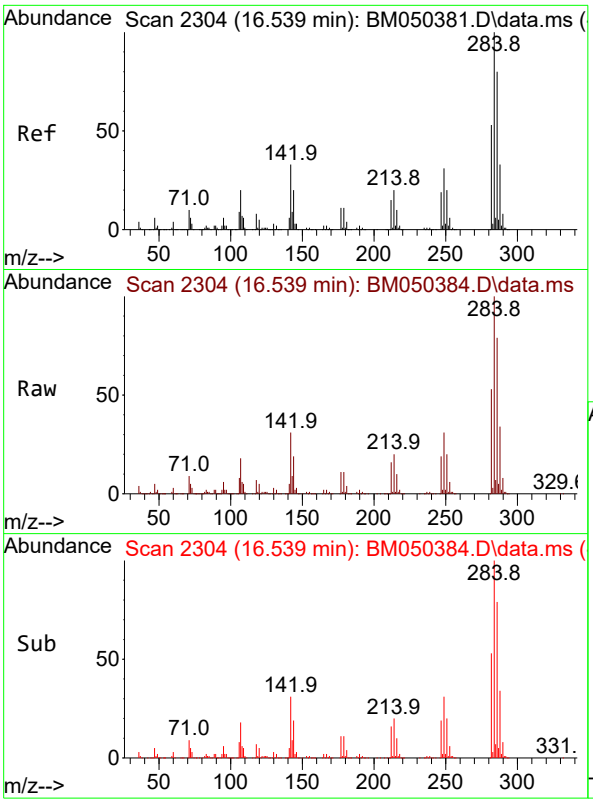




#67
4-Bromophenyl-phenylether
Concen: 87.664 ng
RT: 16.427 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:248 Resp: 1878071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.6 | 77.9 | 116.9 |
| 141 | 57.7 | 49.7 | 74.5 |



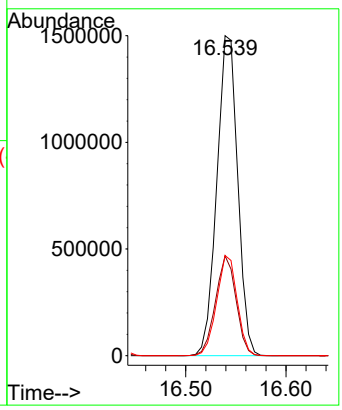


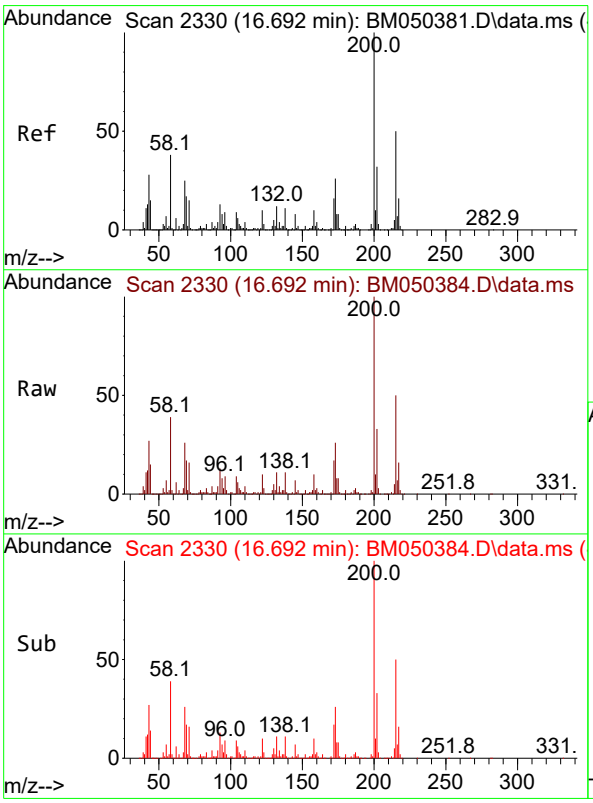

#68
Hexachlorobenzene
Concen: 85.534 ng
RT: 16.539 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:284 Resp: 2164238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.2 | 26.8 | 40.2 |
| 249 | 31.3 | 24.5 | 36.7 |

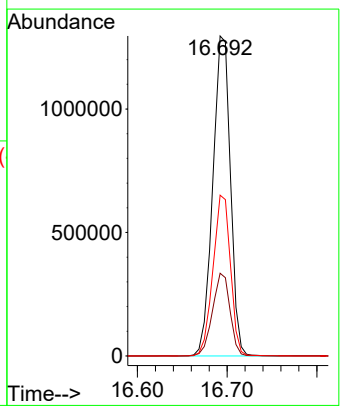


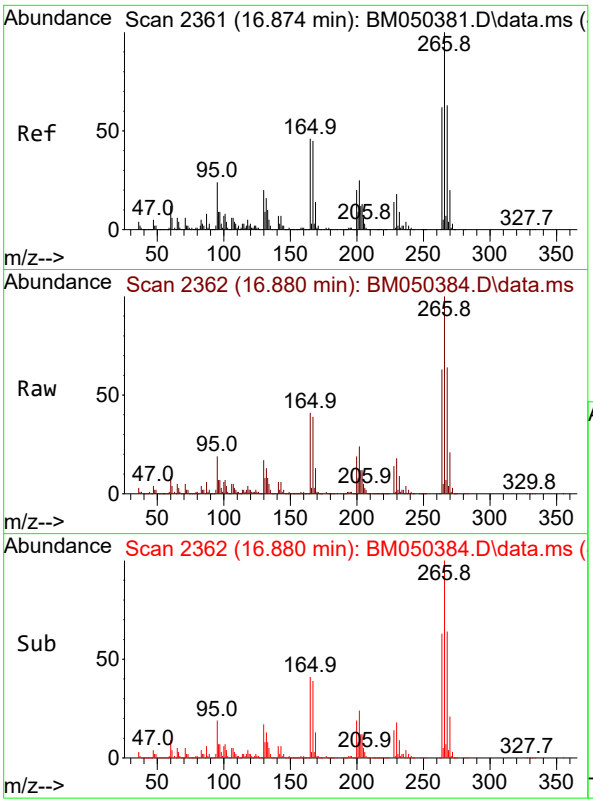




#69
Atrazine
Concen: 88.450 ng
RT: 16.692 min Scan# 2330
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:200 Resp: 1767182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.9 | 5.6 | 45.6 |
| 215 | 50.3 | 29.6 | 69.6 |



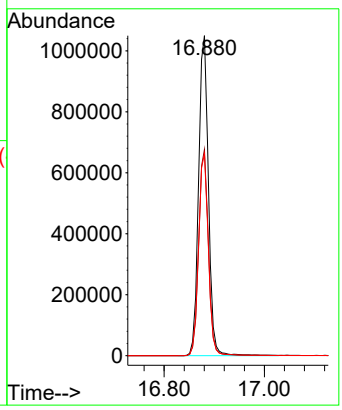


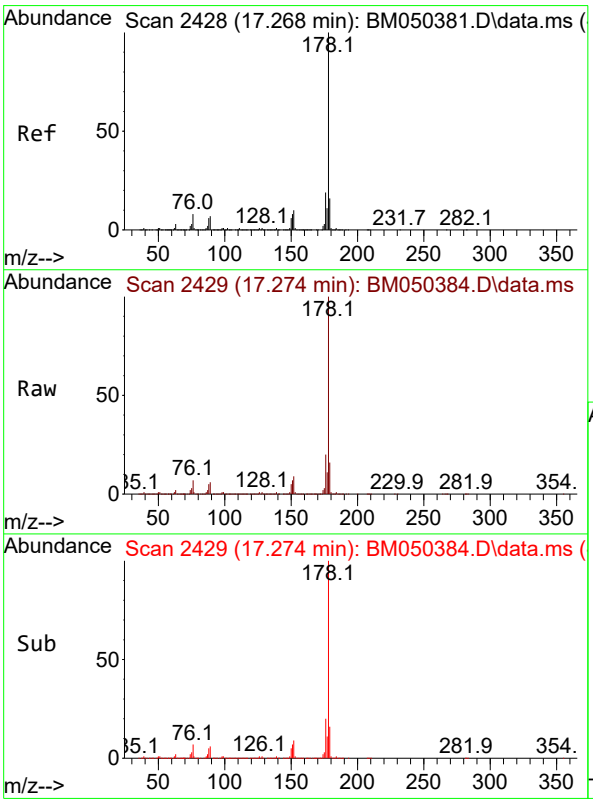

#70
Pentachlorophenol
Concen: 90.473 ng
RT: 16.880 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:266 Resp: 1425059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.4 | 50.5 | 75.7 |
| 264 | 63.1 | 49.9 | 74.9 |

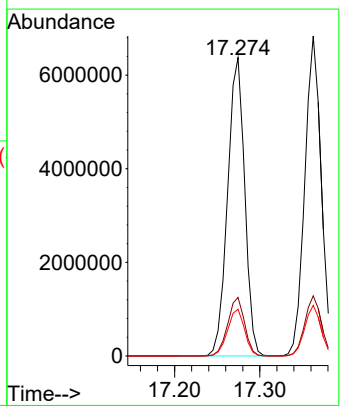


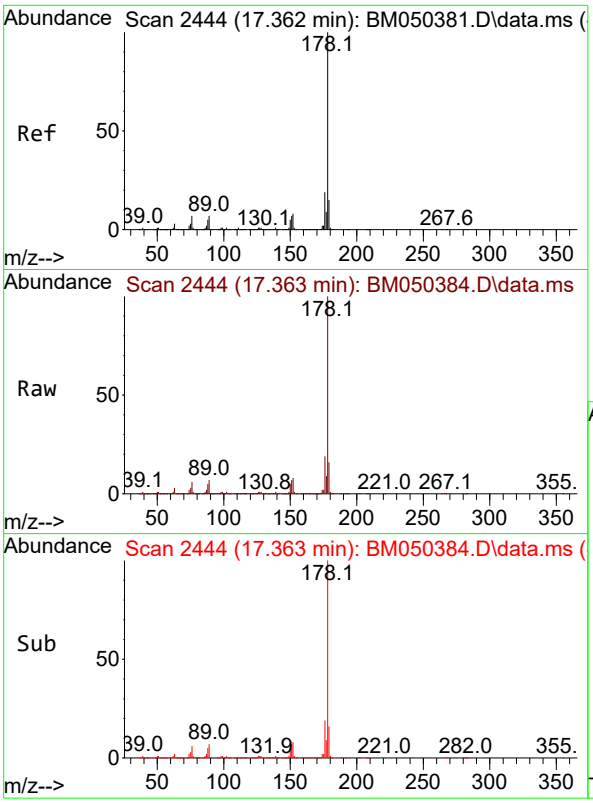




#71
Phenanthrene
Concen: 80.828 ng
RT: 17.274 min Scan# 2429
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:178 Resp: 8893346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.6 | 15.4 | 23.0 |
| 179 | 15.7 | 12.5 | 18.7 |



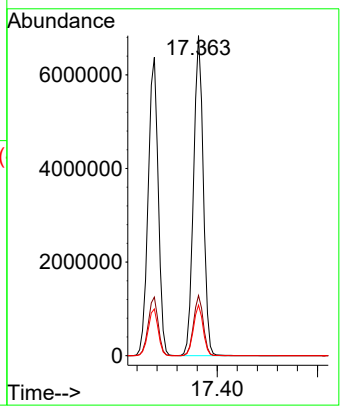


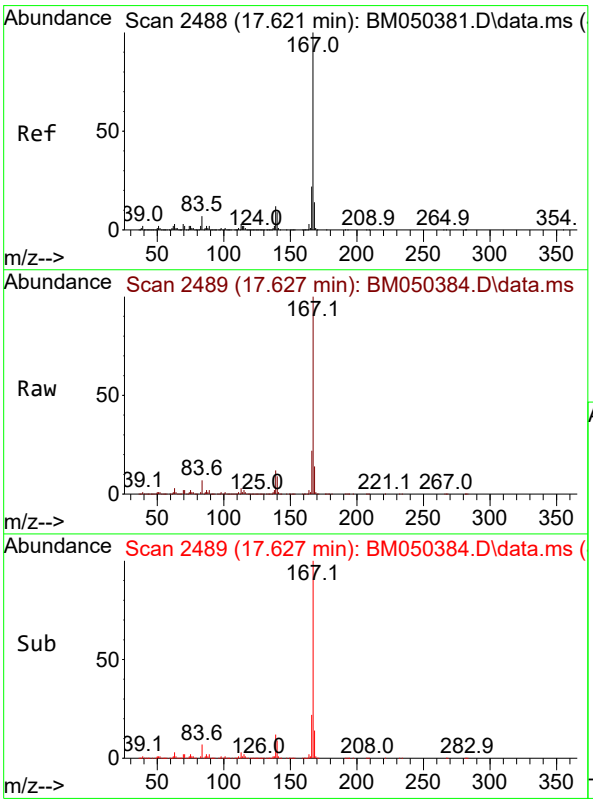

#72
Anthracene
Concen: 83.709 ng
RT: 17.363 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:178 Resp: 9167986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 14.9 | 22.3 |
| 179 | 15.8 | 12.2 | 18.4 |

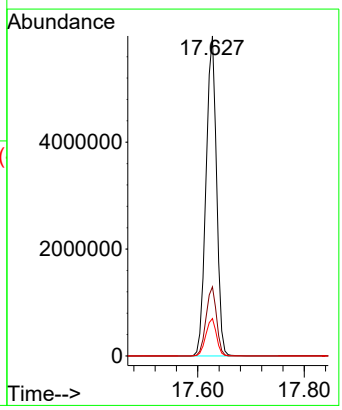


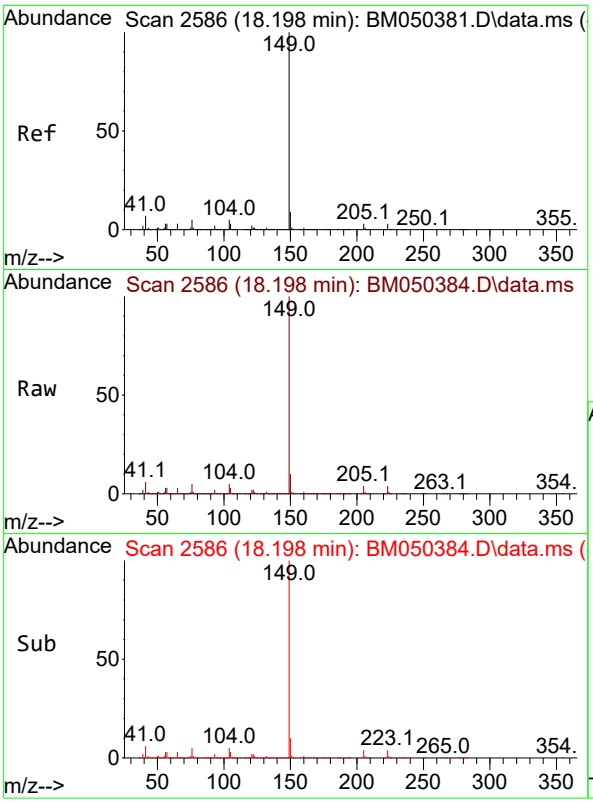




#73
Carbazole
Concen: 82.547 ng
RT: 17.627 min Scan# 2489
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:167 Resp: 8180242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.6 | 17.2 | 25.8 |
| 139 | 11.7 | 9.9 | 14.9 |



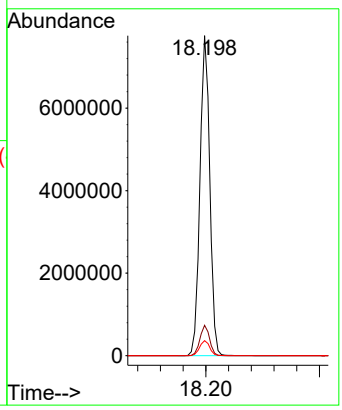


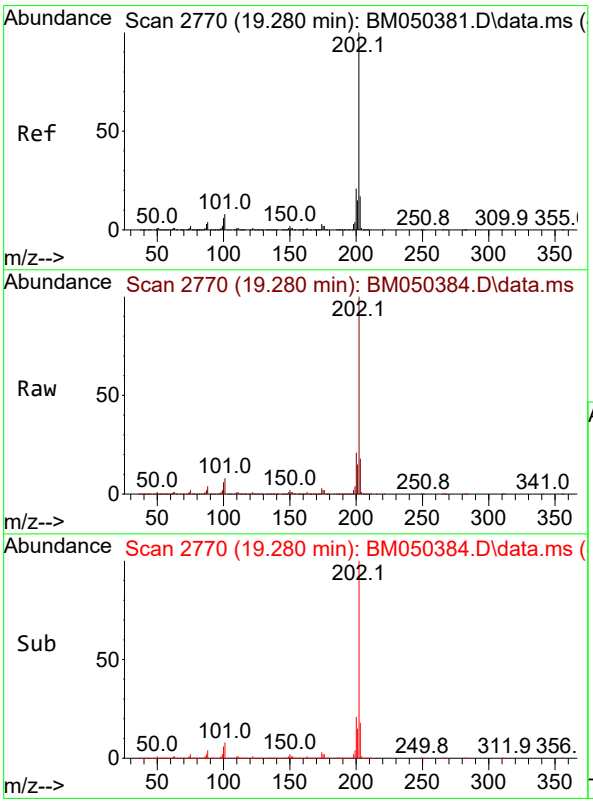

#74
Di-n-butylphthalate
Concen: 85.749 ng
RT: 18.198 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 9300935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.5 | 7.3 | 10.9 |
| 104 | 4.7 | 3.9 | 5.9 |

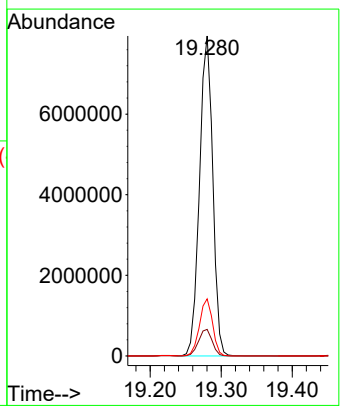


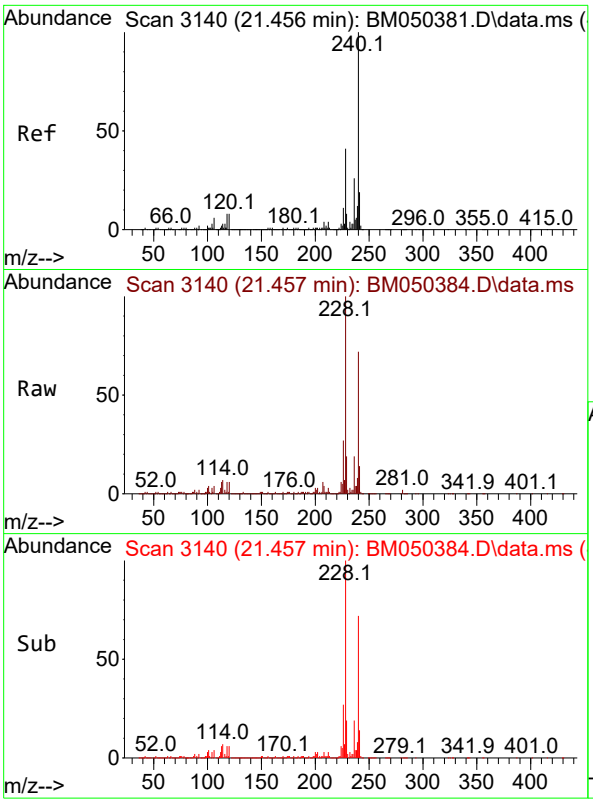




#75
Fluoranthene
Concen: 86.256 ng
RT: 19.280 min Scan# 2770
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:202 Resp:10317307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.3 | 0.0 | 28.3 |
| 203 | 17.9 | 0.0 | 37.2 |



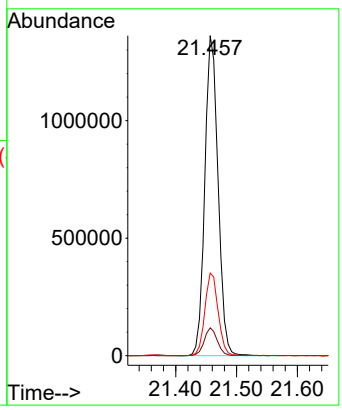


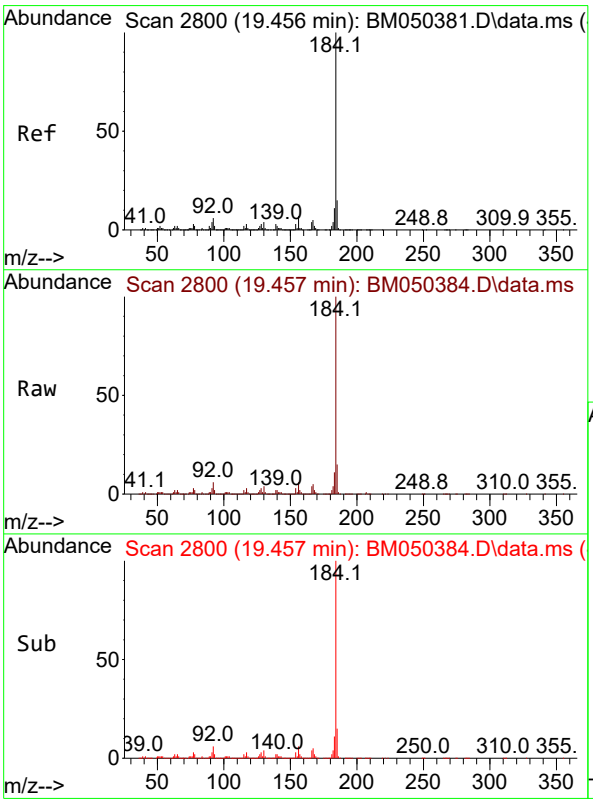

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.457 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:240 Resp: 2055292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.7 | 6.7 | 10.1 |
| 236 | 25.8 | 20.7 | 31.1 |

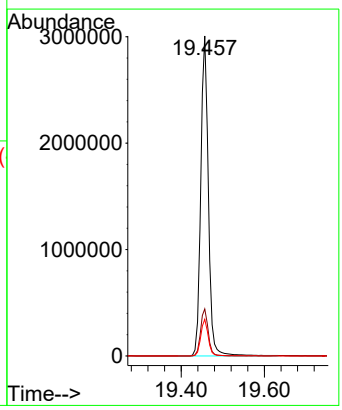


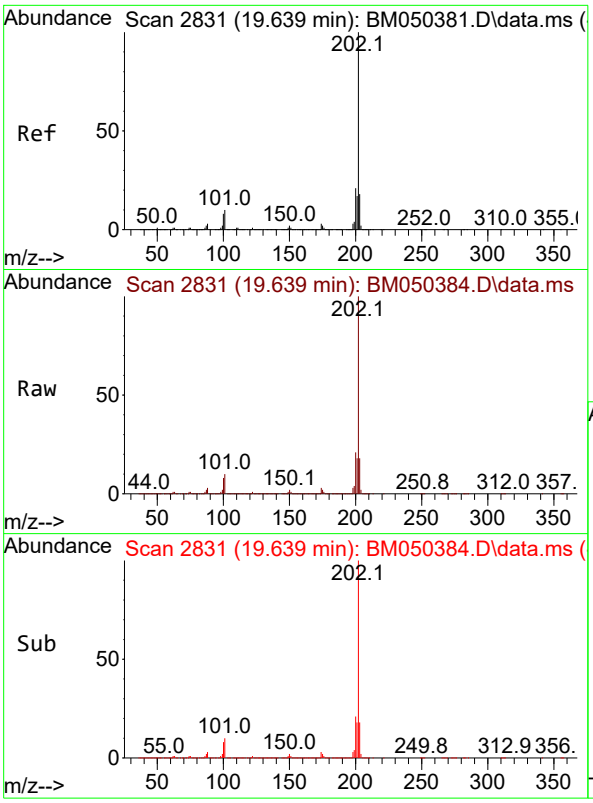




#77
Benzidine
Concen: 72.819 ng
RT: 19.457 min Scan# 2800
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:184 Resp: 3817410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.7 | 11.7 | 17.5 |
| 183 | 11.4 | 9.0 | 13.6 |



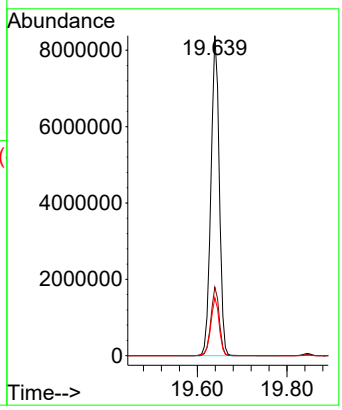


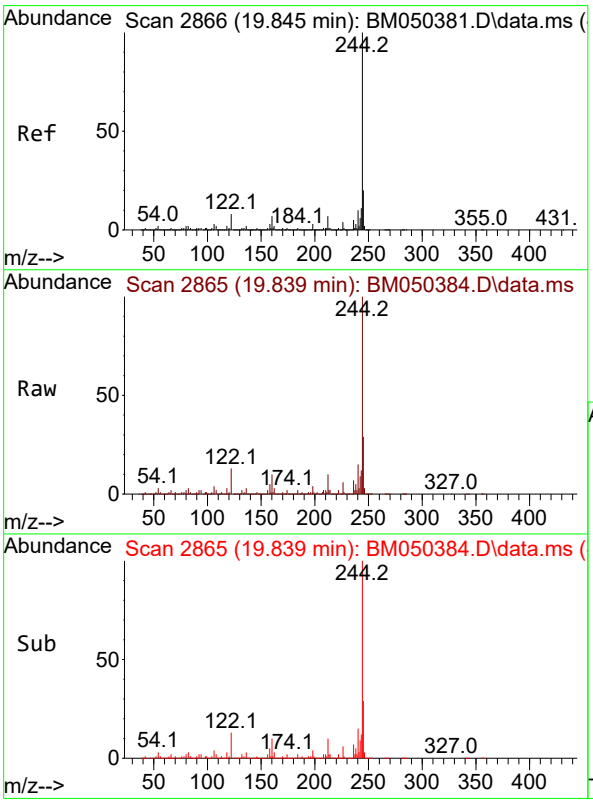

#78
Pyrene
Concen: 82.185 ng
RT: 19.639 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:202 Resp:10818153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.4 | 16.9 | 25.3 |
| 203 | 18.1 | 14.1 | 21.1 |

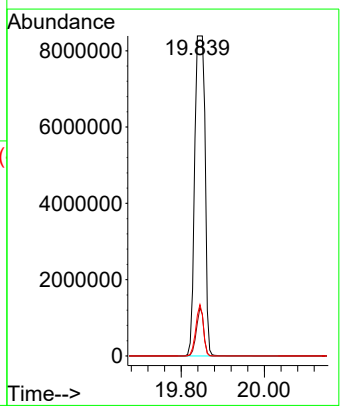


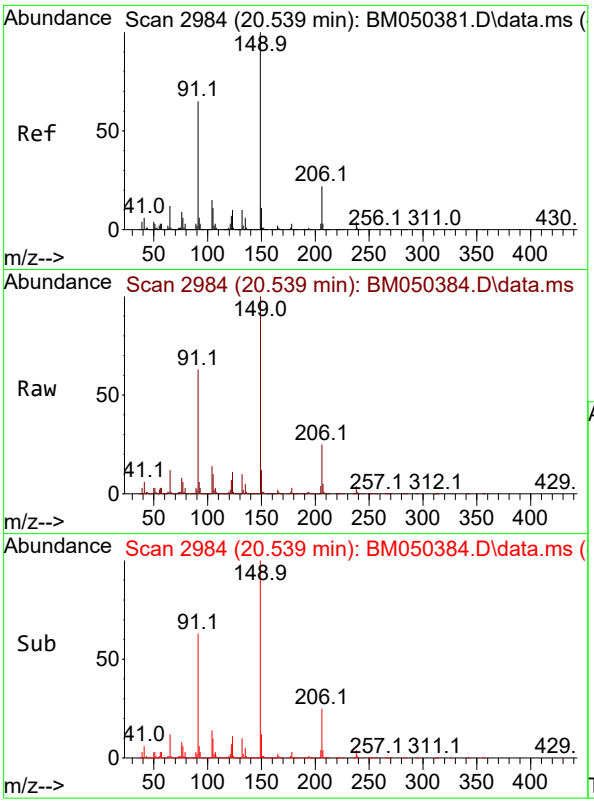




#79
Terphenyl-d14
Concen: 123.577 ng
RT: 19.839 min Scan# 2865
Delta R.T. -0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:244 Resp:14435460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 10.5 | 5.7 | 8.5# |
| 122 | 12.8 | 6.2 | 9.2# |



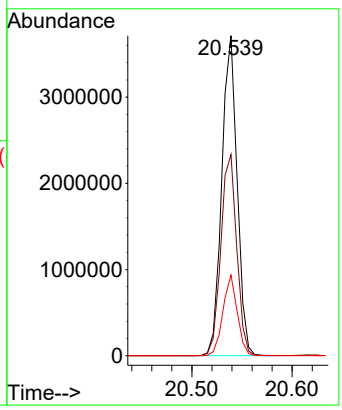


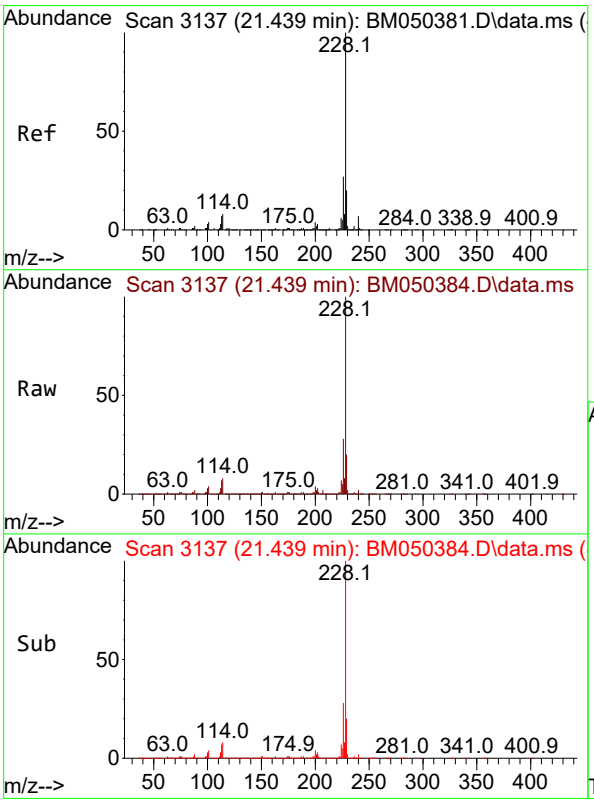

#80
Butylbenzylphthalate
Concen: 90.734 ng
RT: 20.539 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 3938114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 62.9 | 51.6 | 77.4 |
| 206 | 25.2 | 17.8 | 26.8 |

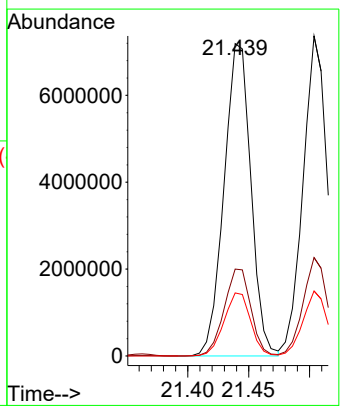


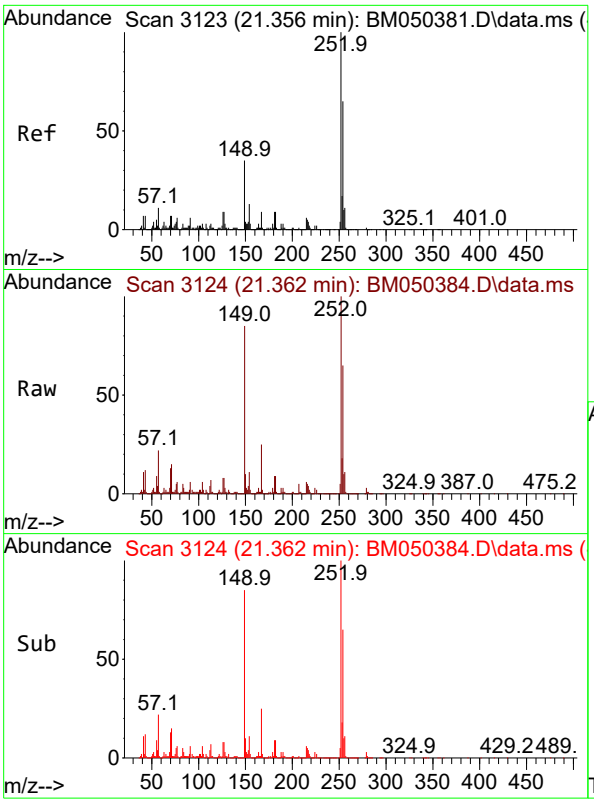




#81
Benzo(a)anthracene
Concen: 82.558 ng
RT: 21.439 min Scan# 3137
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:228 Resp:11055858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.8 | 21.8 | 32.8 |
| 229 | 20.2 | 16.0 | 24.0 |



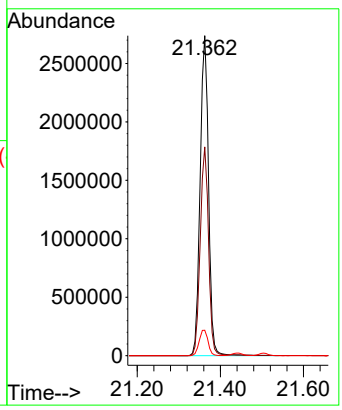


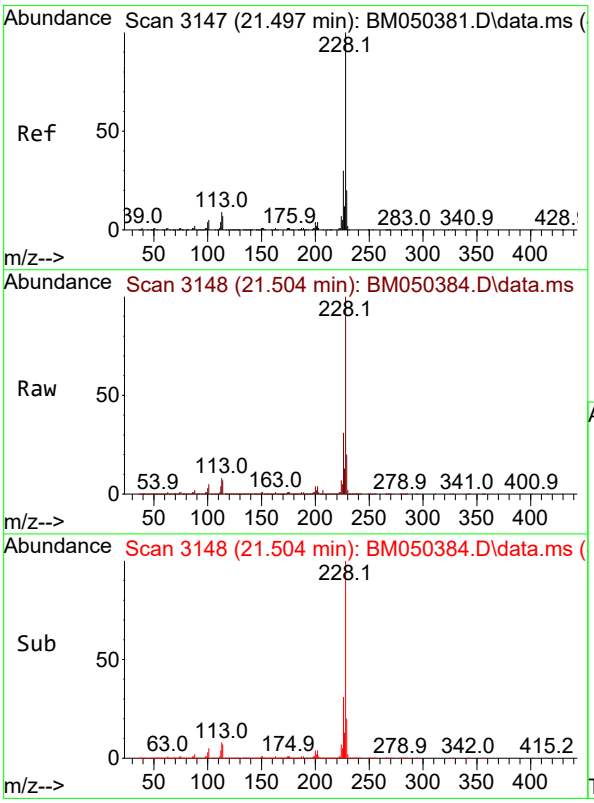

#82
3,3'-Dichlorobenzidine
Concen: 84.699 ng
RT: 21.362 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:252 Resp: 3825108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.3 | 51.7 | 77.5 |
| 126 | 8.0 | 7.3 | 10.9 |

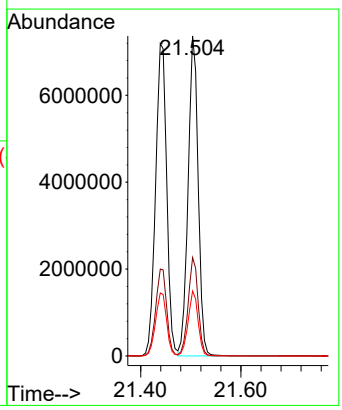


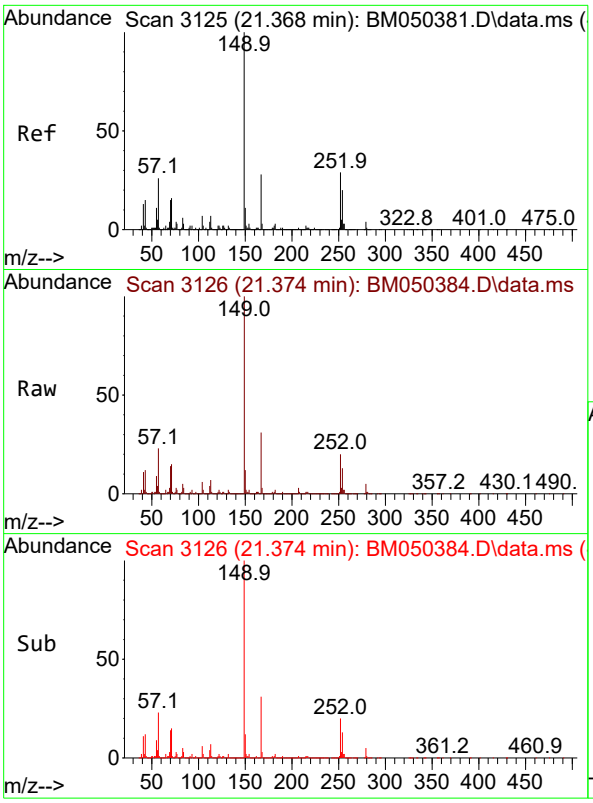




#83
Chrysene
Concen: 81.310 ng
RT: 21.504 min Scan# 3148
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:228 Resp:10270454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.8 | 24.2 | 36.4 |
| 229 | 20.3 | 15.8 | 23.6 |



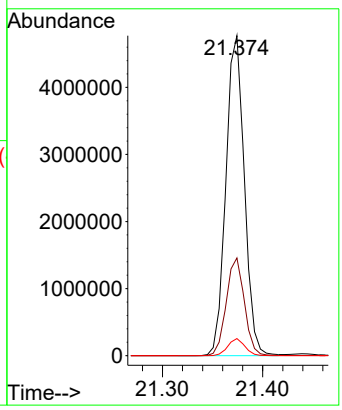


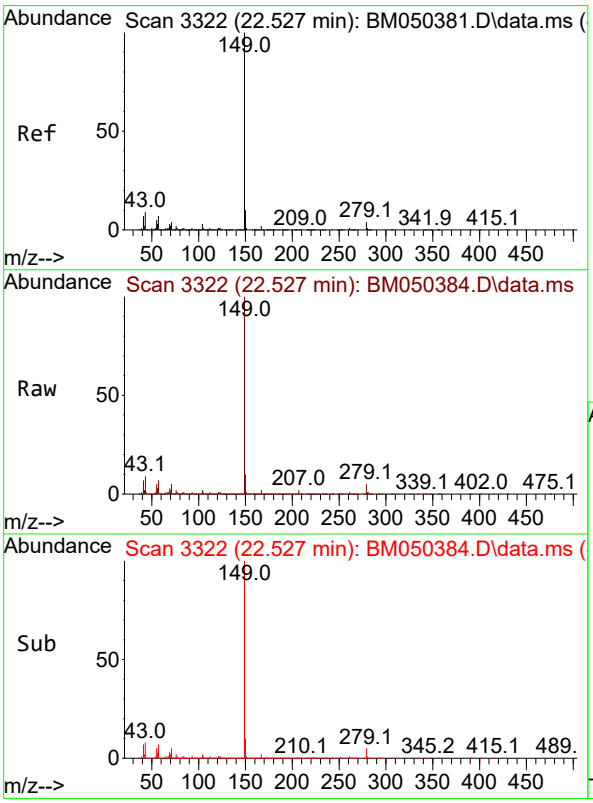

#84
Bis(2-ethylhexyl)phthalate
Concen: 88.540 ng
RT: 21.374 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 6100517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 30.5 | 22.7 | 34.1 |
| 279 | 5.4 | 3.5 | 5.3# |

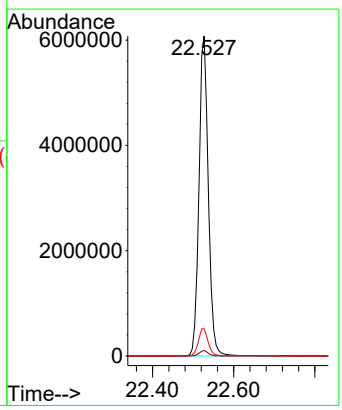


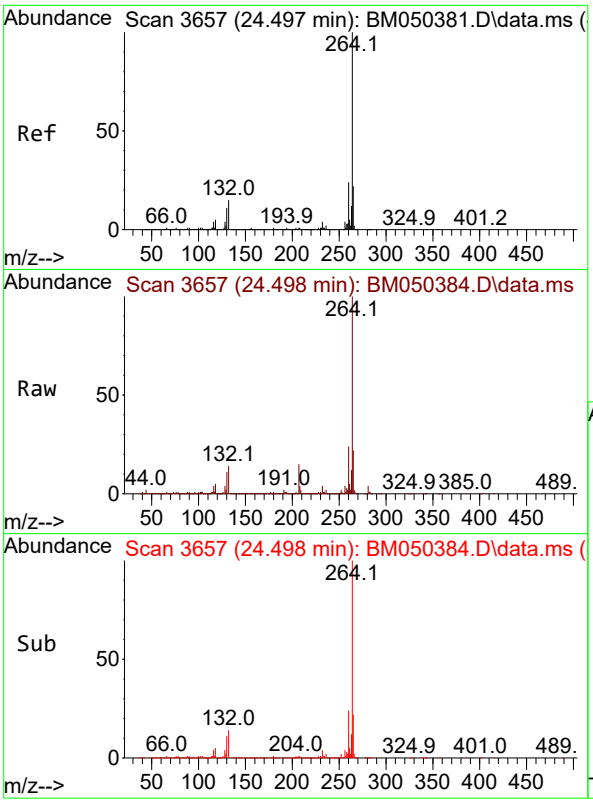




#85
Di-n-octyl phthalate
Concen: 90.093 ng
RT: 22.527 min Scan# 3322
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:149 Resp: 9722259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.0 | 7.7 | 11.5 |



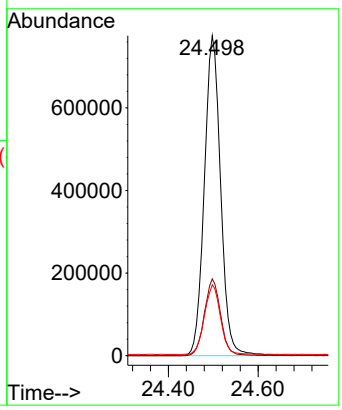


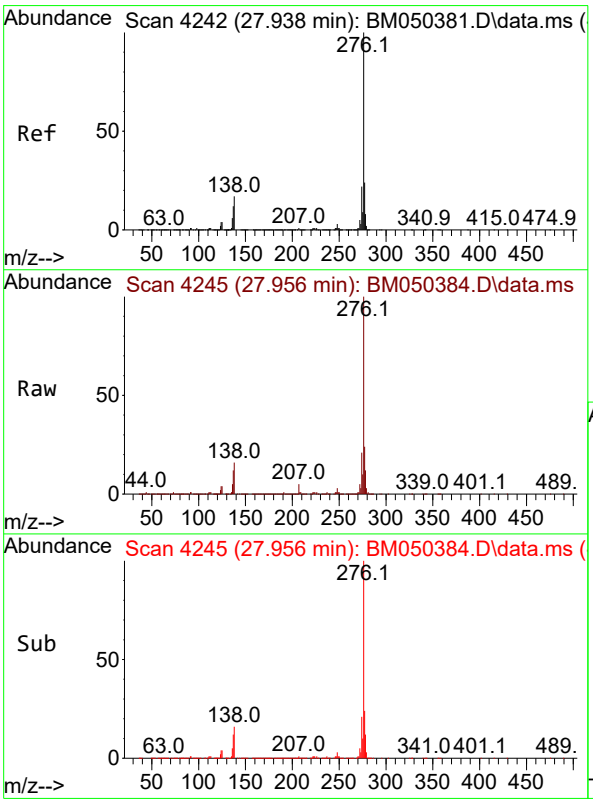

#86
Perylene-d12
Concen: 20.000 ng
RT: 24.498 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:264 Resp: 1953481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.0 | 19.2 | 28.8 |
| 265 | 22.2 | 17.8 | 26.6 |

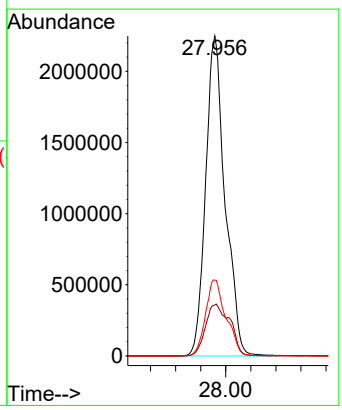


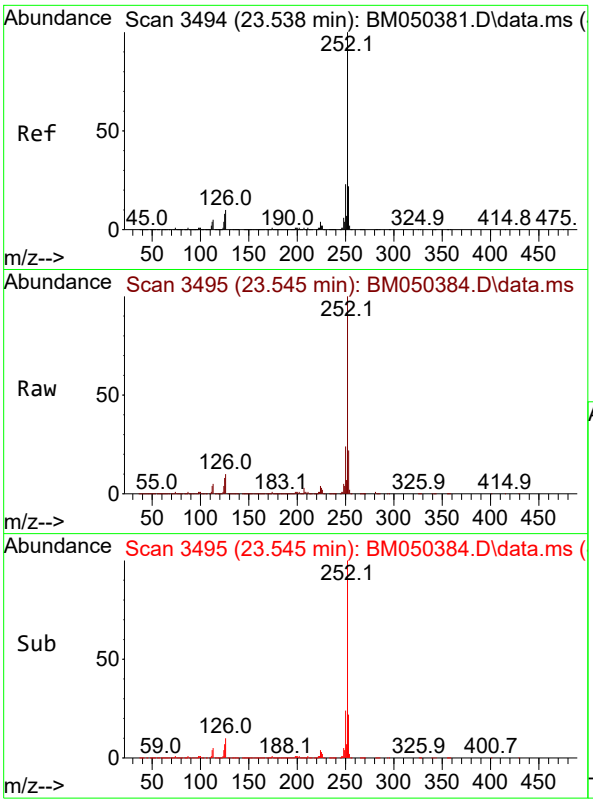




#87
Indeno(1,2,3-cd)pyrene
Concen: 87.270 ng
RT: 27.956 min Scan# 4245
Delta R.T. 0.018 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:276 Resp:12120915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.4 | 17.0 | 25.6 |
| 277 | 25.1 | 20.0 | 30.0 |



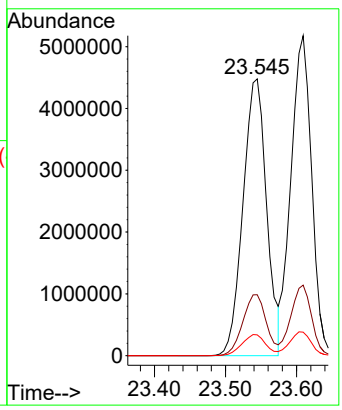


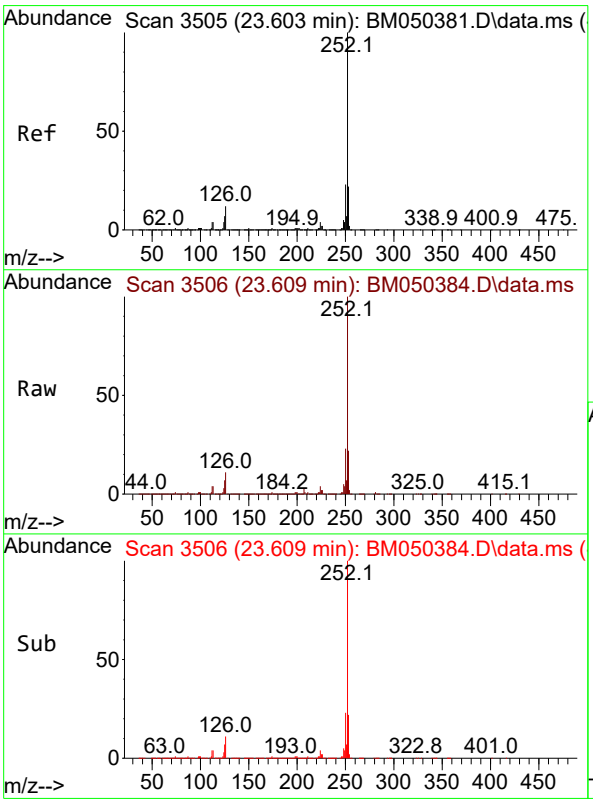

#88
Benzo(b)fluoranthene
Concen: 86.316 ng
RT: 23.545 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:252 Resp:10371642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.8 | 26.6 |
| 125 | 7.5 | 6.3 | 9.5 |

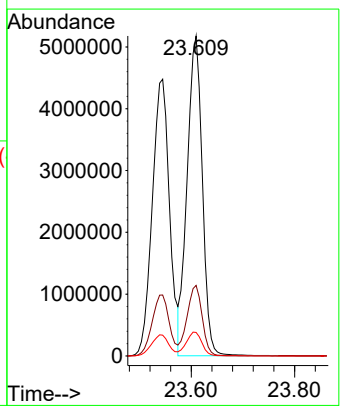


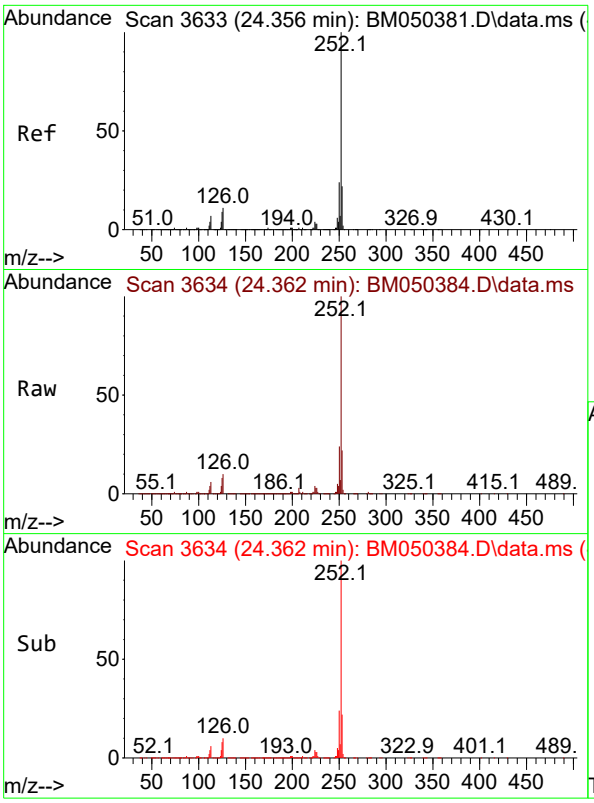




#89
Benzo(k)fluoranthene
Concen: 84.592 ng
RT: 23.609 min Scan# 3506
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:252 Resp:10546917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.6 | 26.4 |
| 125 | 7.3 | 6.2 | 9.2 |



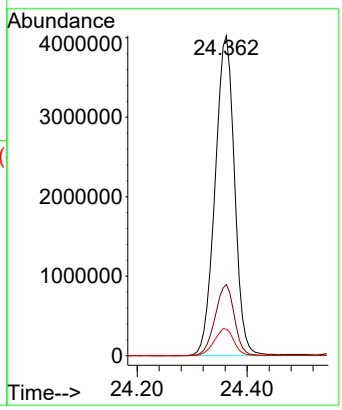


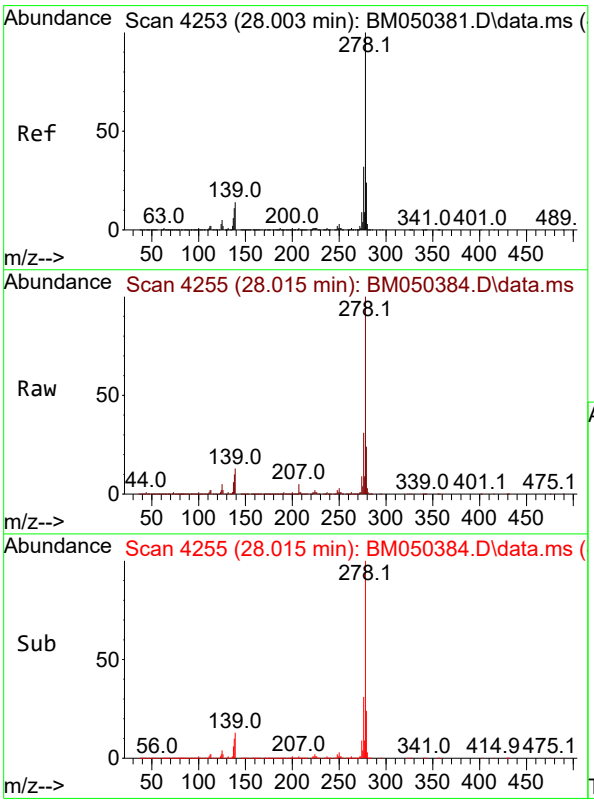

#90
Benzo(a)pyrene
Concen: 87.833 ng
RT: 24.362 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:252 Resp: 9879526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.8 | 26.6 |
| 125 | 8.3 | 7.0 | 10.4 |

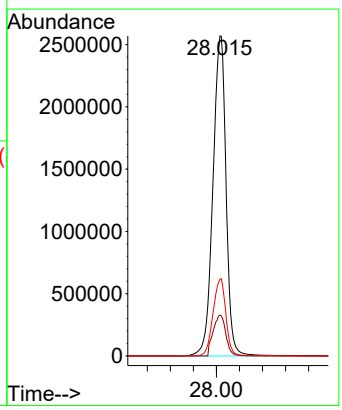


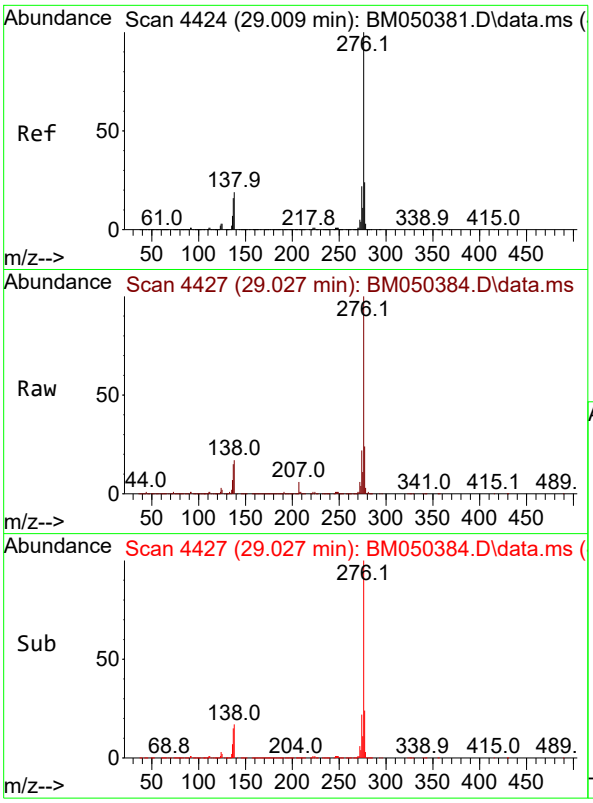




#91
Dibenzo(a,h)anthracene
Concen: 86.905 ng
RT: 28.015 min Scan# 4255
Delta R.T. 0.012 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

Tgt Ion:278 Resp:10165335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 12.7 | 10.8 | 16.2 |
| 279 | 24.0 | 19.4 | 29.0 |



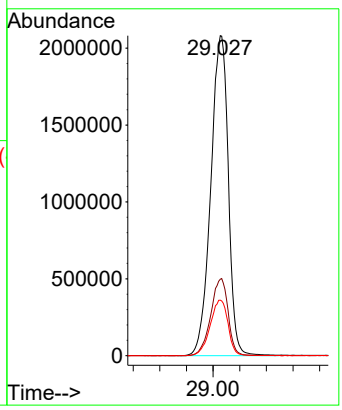



#92
Benzo(g,h,i)perylene
Concen: 85.979 ng
RT: 29.027 min Scan# 4
Delta R.T. 0.018 min
Lab File: BM050384.D
Acq: 08 Jul 2025 17:22

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Tgt Ion:276 Resp: 9504954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.9 | 19.1 | 28.7 |
| 138 | 17.4 | 14.9 | 22.3 |



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.863 | 152 | 404345 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.663 | 136 | 1554046 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.492 | 164 | 1008264 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.227 | 188 | 1898481 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.456 | 240 | 1940016 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.497 | 264 | 1874427 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.434 | 112 | 1875929 | 79.859 | ng | | 0.00 |
| 7) Phenol-d6 | 7.022 | 99 | 2388524 | 80.660 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.016 | 82 | 2227871 | 73.139 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.974 | 330 | 1026446 | 83.788 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.121 | 172 | 5771427 | 70.689 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.845 | 244 | 8726739 | 79.145 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.334 | 88 | 366994 | 37.994 | ng | | 99 |
| 3) Pyridine | 3.734 | 79 | 1042715 | 41.118 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.640 | 42 | 482767 | 40.835 | ng | | 99 |
| 6) Aniline | 7.187 | 93 | 1617701 | 42.568 | ng | | 100 |
| 8) 2-Chlorophenol | 7.428 | 128 | 1063478 | 42.935 | ng | | 98 |
| 9) Benzaldehyde | 6.998 | 77 | 799316m | 45.376 | ng | | |
| 10) Phenol | 7.051 | 94 | 1300713 | 42.114 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.287 | 93 | 1044803 | 42.240 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.757 | 146 | 1260411 | 41.848 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.904 | 146 | 1279655 | 41.609 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.216 | 146 | 1221241 | 41.478 | ng | | 99 |
| 15) Benzyl Alcohol | 8.098 | 79 | 887896 | 42.555 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.392 | 45 | 1497256 | 41.095 | ng | | 99 |
| 17) 2-Methylphenol | 8.298 | 107 | 855883 | 42.726 | ng | | 99 |
| 18) Hexachloroethane | 8.951 | 117 | 453255 | 41.906 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 8.675 | 70 | 792336 | 44.168 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.628 | 107 | 1136862 | 42.276 | ng | | 99 |
| 22) Acetophenone | 8.686 | 105 | 1643199 | 42.290 | ng | # | 97 |
| 24) Nitrobenzene | 9.063 | 77 | 1137842 | 41.860 | ng | | 98 |
| 25) Isophorone | 9.592 | 82 | 2120872 | 42.909 | ng | | 99 |
| 26) 2-Nitrophenol | 9.775 | 139 | 514999 | 46.488 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.833 | 122 | 1001149 | 42.470 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.069 | 93 | 1371682 | 41.880 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.304 | 162 | 1042869 | 43.061 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.528 | 180 | 1216831 | 42.001 | ng | | 99 |
| 31) Naphthalene | 10.716 | 128 | 3258495 | 41.281 | ng | | 99 |
| 32) Benzoic acid | 9.951 | 122 | 593935 | 41.913 | ng | | 97 |
| 33) 4-Chloroaniline | 10.810 | 127 | 1415715 | 42.424 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.010 | 225 | 749497 | 42.386 | ng | | 99 |
| 35) Caprolactam | 11.586 | 113 | 285315 | 43.156 | ng | | 92 |
| 36) 4-Chloro-3-methylphenol | 11.933 | 107 | 979521 | 43.312 | ng | | 100 |
| 37) 2-Methylnaphthalene | 12.322 | 142 | 2124989 | 42.637 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.539 | 142 | 2230710 | 42.292 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.692 | 216 | 1374217 | 42.859 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.680 | 237 | 881607 | 43.015 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.927 | 196 | 858251 | 43.485 | ng | | 98 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 12.992 | 196 | 938542 | 43.542 | ng | 99 |
| 46) | 1,1'-Biphenyl | 13.333 | 154 | 3108770 | 41.557 | ng | 100 |
| 47) | 2-Chloronaphthalene | 13.368 | 162 | 2461641 | 41.272 | ng | 99 |
| 48) | 2-Nitroaniline | 13.563 | 65 | 592401 | 44.497 | ng | 97 |
| 49) | Acenaphthylene | 14.215 | 152 | 3783308 | 41.972 | ng | 99 |
| 50) | Dimethylphthalate | 13.951 | 163 | 2890119 | 41.635 | ng | 100 |
| 51) | 2,6-Dinitrotoluene | 14.063 | 165 | 591843 | 44.405 | ng | 98 |
| 52) | Acenaphthene | 14.557 | 154 | 2381763 | 41.562 | ng | 99 |
| 53) | 3-Nitroaniline | 14.386 | 138 | 636015 | 44.871 | ng | 98 |
| 54) | 2,4-Dinitrophenol | 14.586 | 184 | 266947 | 39.797 | ng | 98 |
| 55) | Dibenzofuran | 14.892 | 168 | 3609413 | 40.877 | ng | 99 |
| 56) | 4-Nitrophenol | 14.686 | 139 | 521977 | 42.822 | ng | 94 |
| 57) | 2,4-Dinitrotoluene | 14.845 | 165 | 807634 | 40.905 | ng | 98 |
| 58) | Fluorene | 15.539 | 166 | 3012801 | 41.425 | ng | 99 |
| 59) | 2,3,4,6-Tetrachlorophenol | 15.115 | 232 | 784378 | 43.229 | ng | 99 |
| 60) | Diethylphthalate | 15.315 | 149 | 2759041 | 41.609 | ng | 99 |
| 61) | 4-Chlorophenyl-phenyle... | 15.533 | 204 | 1608200 | 42.288 | ng | 99 |
| 62) | 4-Nitroaniline | 15.545 | 138 | 649355 | 40.288 | ng | 96 |
| 63) | Azobenzene | 15.821 | 77 | 2528721 | 41.531 | ng | 97 |
| 65) | 4,6-Dinitro-2-methylph... | 15.604 | 198 | 399918 | 40.334 | ng | 99 |
| 66) | n-Nitrosodiphenylamine | 15.745 | 169 | 2506809 | 42.198 | ng | 100 |
| 67) | 4-Bromophenyl-phenylether | 16.427 | 248 | 894310 | 42.755 | ng | 99 |
| 68) | Hexachlorobenzene | 16.539 | 284 | 1046980 | 42.380 | ng | 99 |
| 69) | Atrazine | 16.692 | 200 | 862455 | 44.212 | ng | 99 |
| 70) | Pentachlorophenol | 16.874 | 266 | 662449 | 43.075 | ng | 100 |
| 71) | Phenanthrene | 17.268 | 178 | 4444618 | 41.373 | ng | 100 |
| 72) | Anthracene | 17.362 | 178 | 4525011 | 42.316 | ng | 100 |
| 73) | Carbazole | 17.621 | 167 | 4044979 | 41.806 | ng | 100 |
| 74) | Di-n-butylphthalate | 18.198 | 149 | 4579991 | 43.247 | ng | 100 |
| 75) | Fluoranthene | 19.280 | 202 | 4960360 | 42.474 | ng | 100 |
| 77) | Benzidine | 19.456 | 184 | 2625052 | 53.050 | ng | 100 |
| 78) | Pyrene | 19.639 | 202 | 5250364 | 42.257 | ng | 100 |
| 80) | Butylbenzylphthalate | 20.539 | 149 | 1849278 | 45.139 | ng | 98 |
| 81) | Benzo(a)anthracene | 21.439 | 228 | 5322771 | 42.109 | ng | 100 |
| 82) | 3,3'-Dichlorobenzidine | 21.356 | 252 | 1864267 | 43.733 | ng | 100 |
| 83) | Chrysene | 21.497 | 228 | 4998506 | 41.924 | ng | 100 |
| 84) | Bis(2-ethylhexyl)phtha... | 21.368 | 149 | 2892877 | 44.481 | ng | 99 |
| 85) | Di-n-octyl phthalate | 22.521 | 149 | 4457449 | 43.760 | ng | 99 |
| 87) | Indeno(1,2,3-cd)pyrene | 27.938 | 276 | 5647629 | 42.377 | ng | 100 |
| 88) | Benzo(b)fluoranthene | 23.533 | 252 | 4906807 | 42.558 | ng | 100 |
| 89) | Benzo(k)fluoranthene | 23.597 | 252 | 5010695 | 41.883 | ng | 100 |
| 90) | Benzo(a)pyrene | 24.356 | 252 | 4633762 | 42.933 | ng | 99 |
| 91) | Dibenzo(a,h)anthracene | 28.003 | 278 | 4772470 | 42.521 | ng | 99 |
| 92) | Benzo(g,h,i)perylene | 29.009 | 276 | 4476118 | 42.197 | ng | 99 |

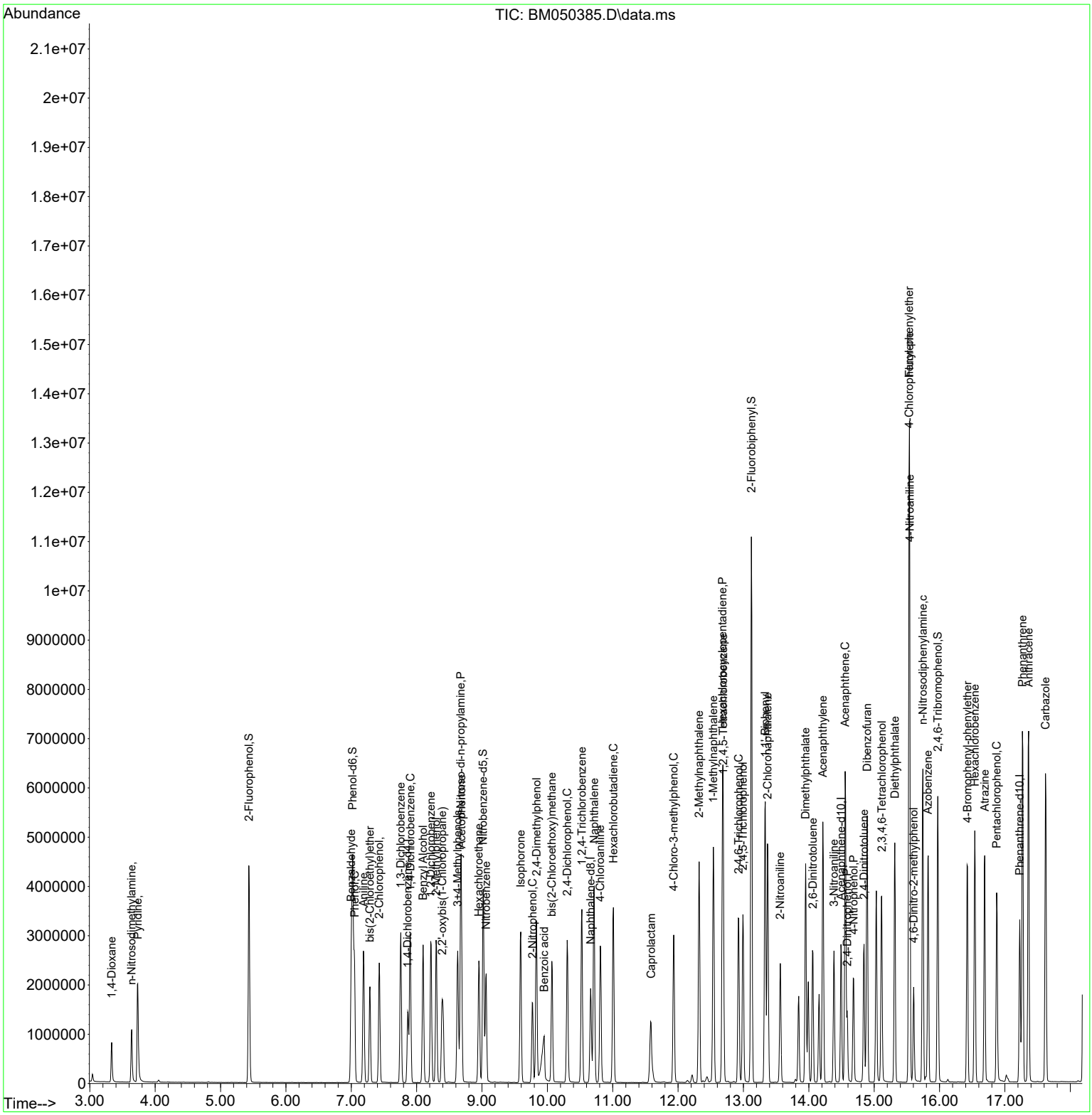
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

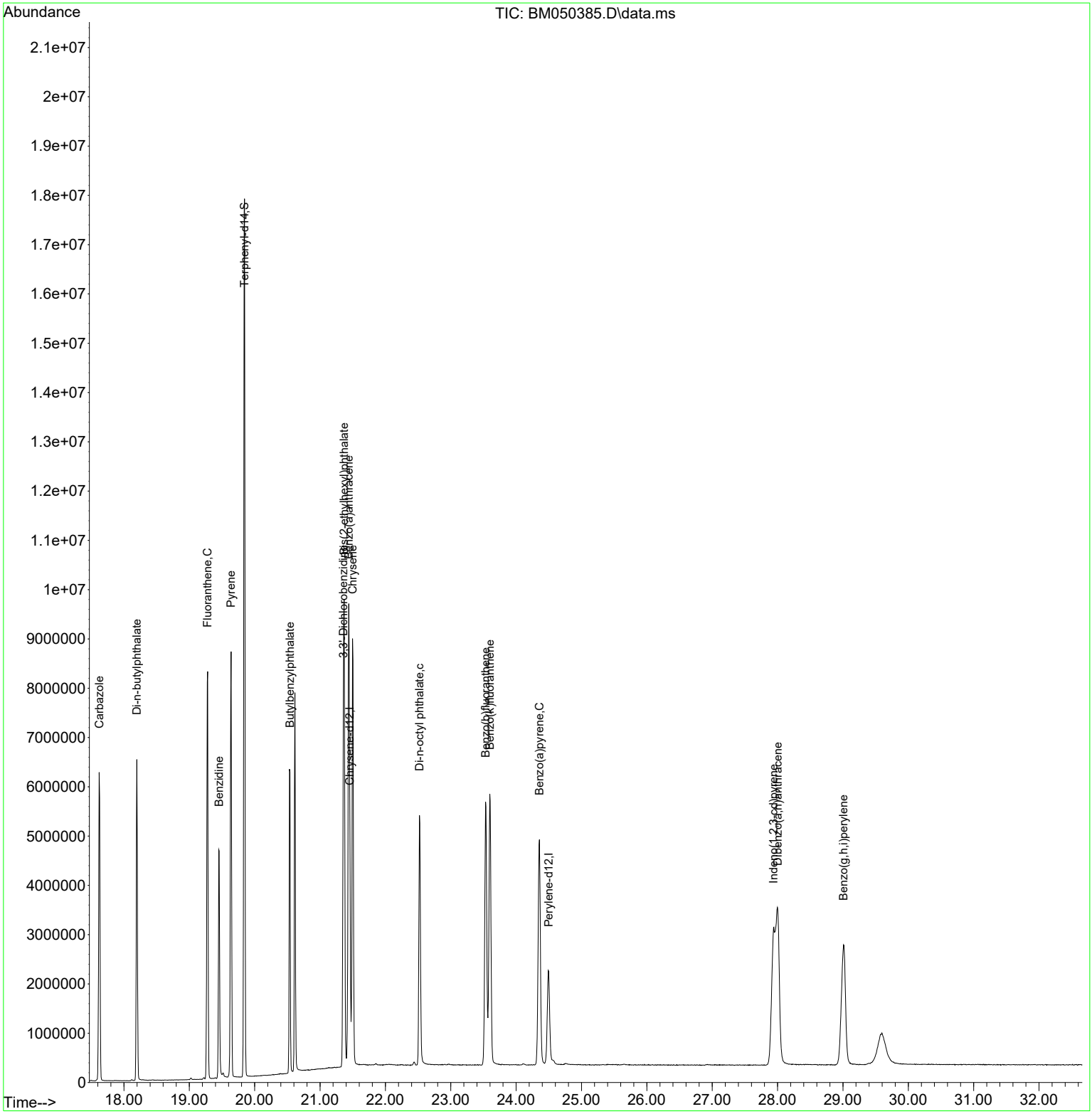


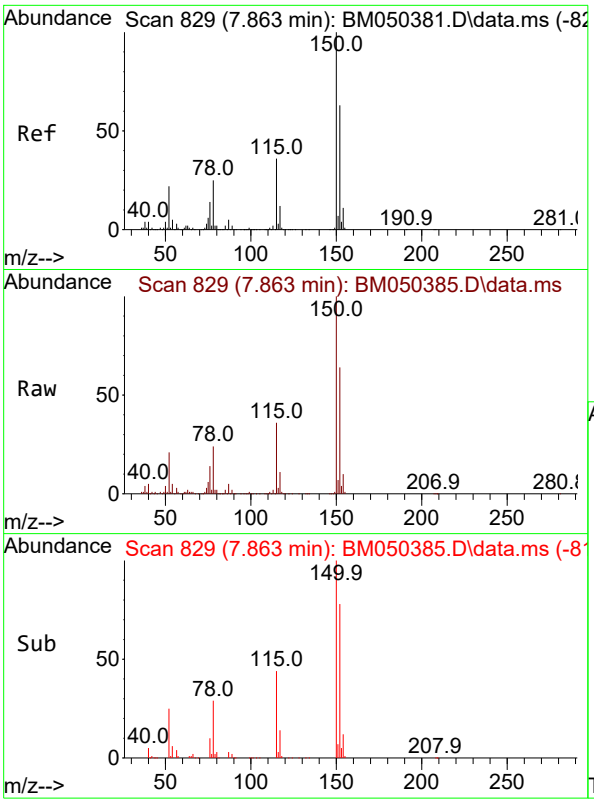
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

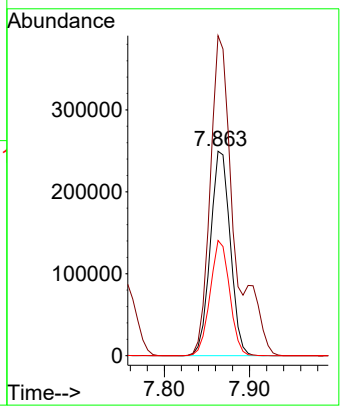





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:152 Resp: 40434

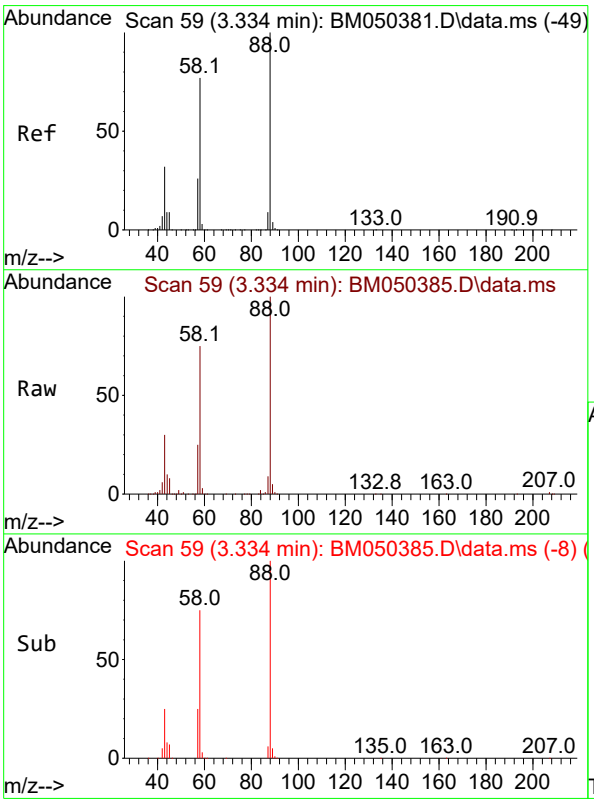
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.4 | 126.2 | 189.4 |
| 115 | 56.3 | 45.8 | 68.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

**Manual Integrations**
**APPROVED**

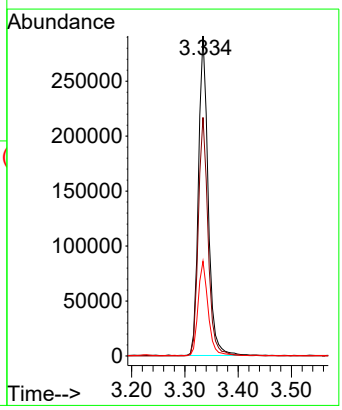
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

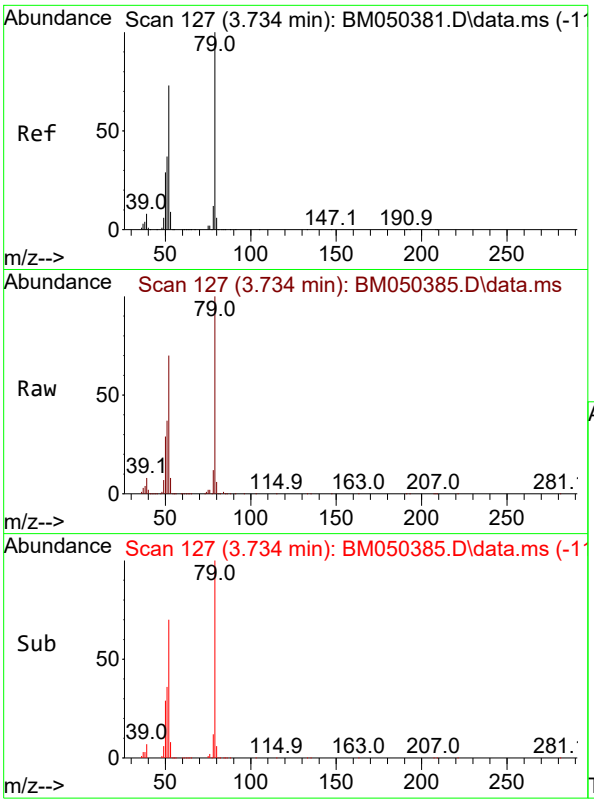



#2
1,4-Dioxane
Concen: 37.994 ng
RT: 3.334 min Scan# 59
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion: 88 Resp: 366994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 75.3 | 61.0 | 91.6 |
| 43 | 30.2 | 24.6 | 37.0 |

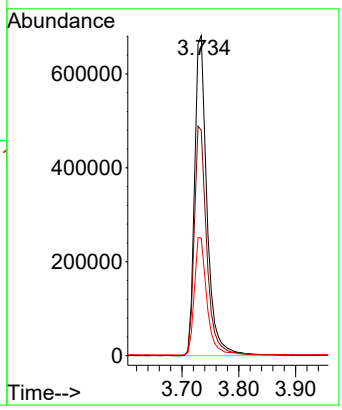





#3
Pyridine
Concen: 41.118 ng
RT: 3.734 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion: 79 Resp: 104271

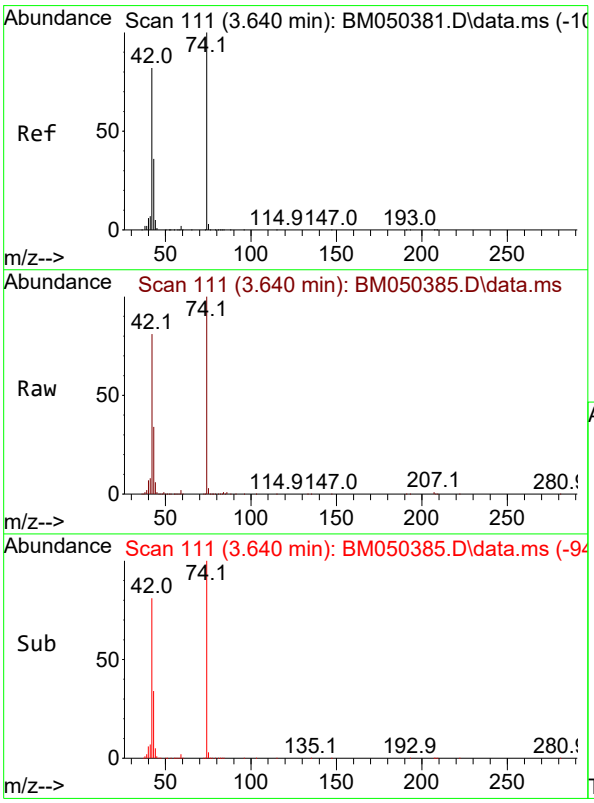
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 70.5 | 58.3 | 87.5 |
| 51 | 36.7 | 29.6 | 44.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

**Manual Integrations**
**APPROVED**

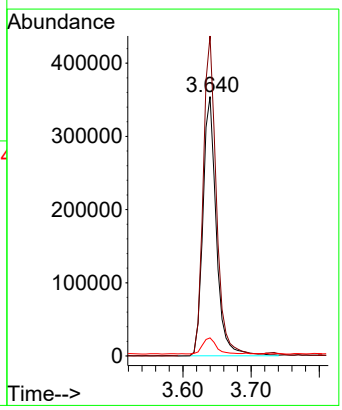
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

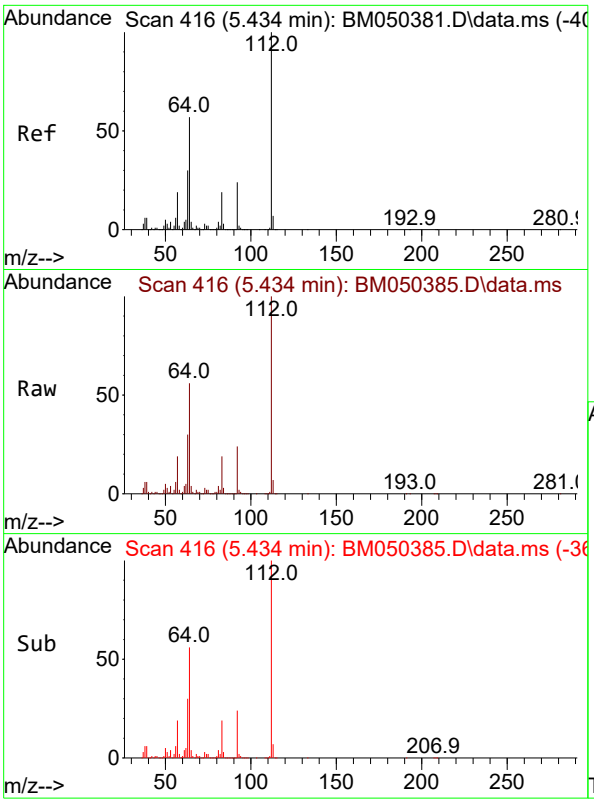



#4
n-Nitrosodimethylamine
Concen: 40.835 ng
RT: 3.640 min Scan# 111
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion: 42 Resp: 482767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 123.4 | 97.5 | 146.3 |
| 44 | 7.0 | 5.7 | 8.5 |

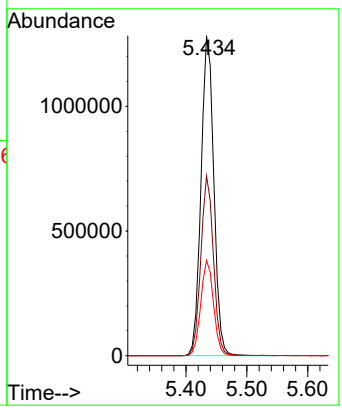





#5
2-Fluorophenol
Concen: 79.859 ng
RT: 5.434 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:112 Resp: 187592

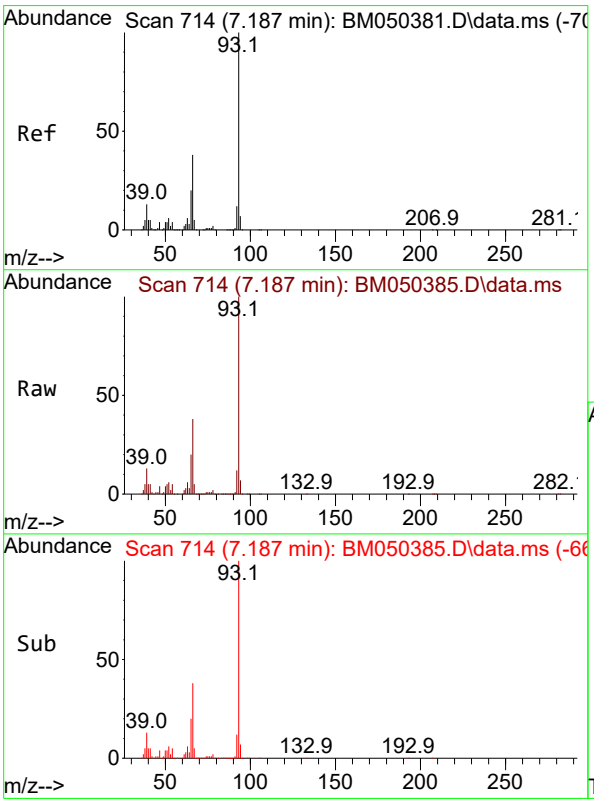
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.1 | 45.5 | 68.3 |
| 63 | 29.8 | 24.2 | 36.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

**Manual Integrations**
**APPROVED**

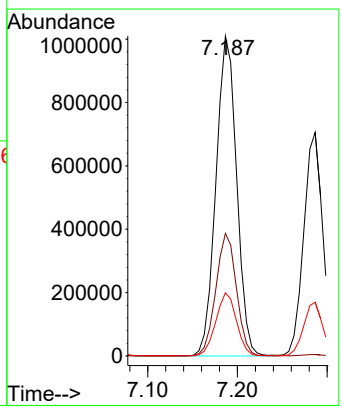
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

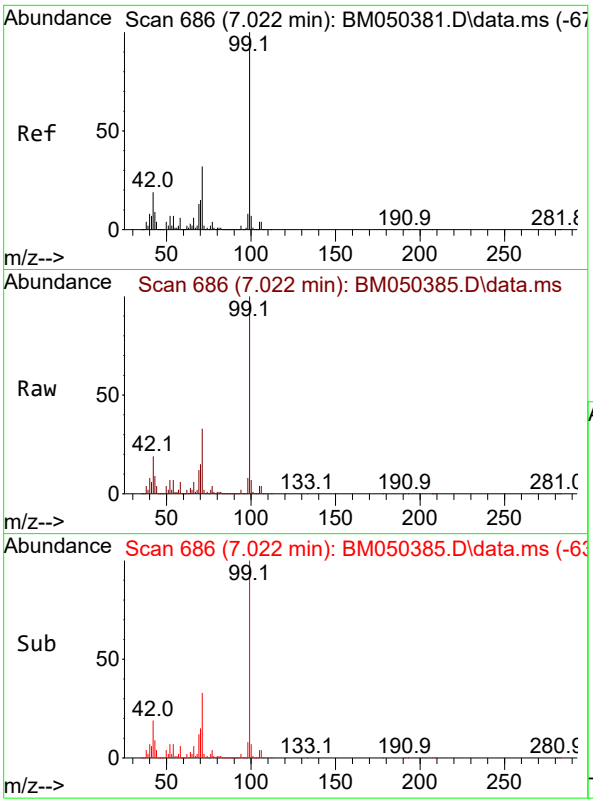



#6
Aniline
Concen: 42.568 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion: 93 Resp: 1617701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 38.3 | 30.5 | 45.7 |
| 65 | 19.7 | 15.9 | 23.9 |

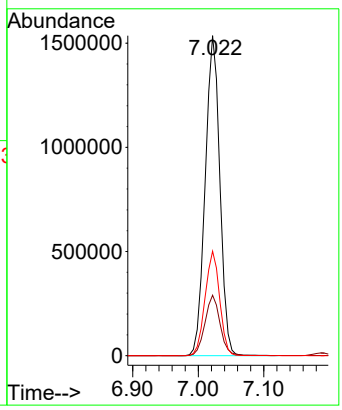





#7
Phenol-d6
Concen: 80.660 ng
RT: 7.022 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion: 99 Resp: 238852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.9 | 15.0 | 22.6 |
| 71 | 32.6 | 25.9 | 38.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

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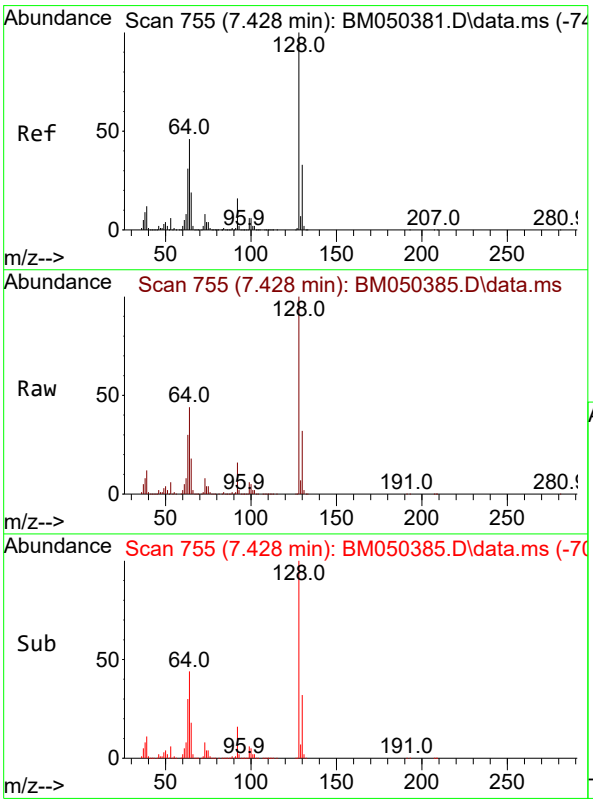
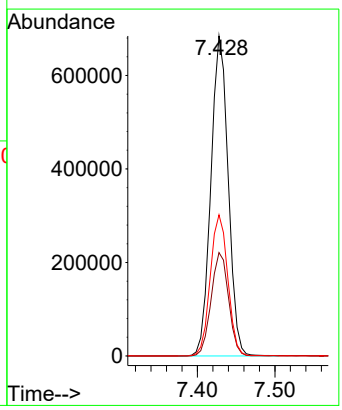
Supervised By :Jagrut Upadhyay 07/09/2025

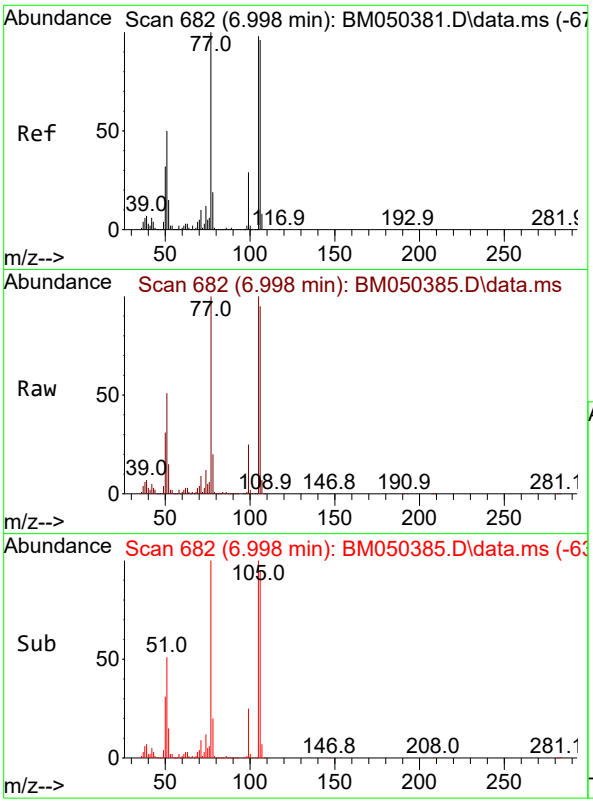



#8
2-Chlorophenol
Concen: 42.935 ng
RT: 7.428 min Scan# 755
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:128 Resp: 1063478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.3 | 13.3 | 53.3 |
| 64 | 44.1 | 25.6 | 65.6 |

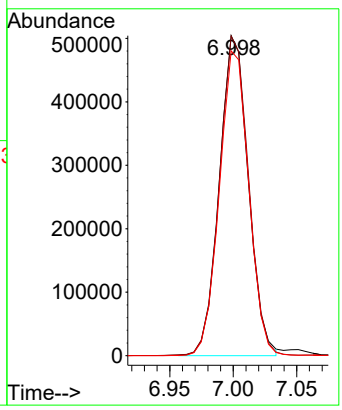





#9
Benzaldehyde
Concen: 45.376 ng m
RT: 6.998 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion: 77 Resp: 79931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.8 | 78.4 | 118.4 |
| 106 | 95.2 | 76.3 | 116.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
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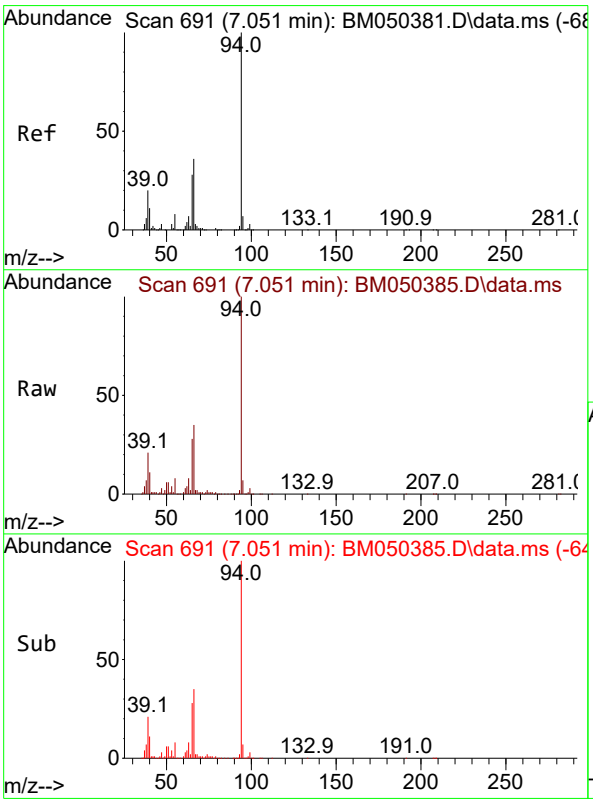
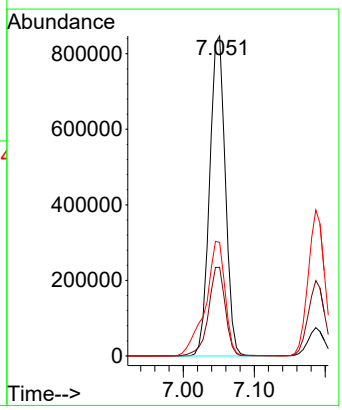
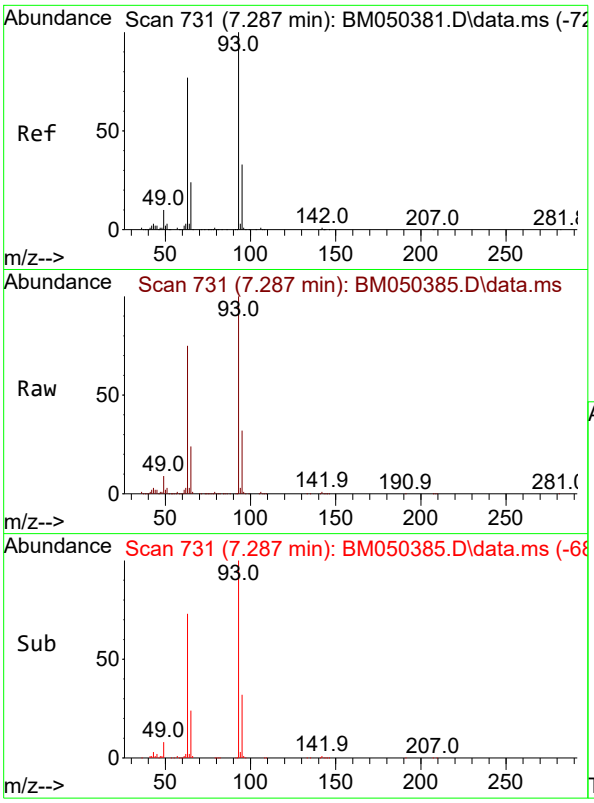



#10
Phenol
Concen: 42.114 ng
RT: 7.051 min Scan# 691
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion: 94 Resp: 1300713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 27.7 | 8.1 | 48.1 |
| 66 | 35.5 | 15.8 | 55.8 |






#11
bis(2-Chloroethyl)ether
Concen: 42.240 ng
RT: 7.287 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion: 93 Resp: 104480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 74.7 | 56.9 | 96.9 |
| 95 | 32.1 | 12.6 | 52.6 |

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

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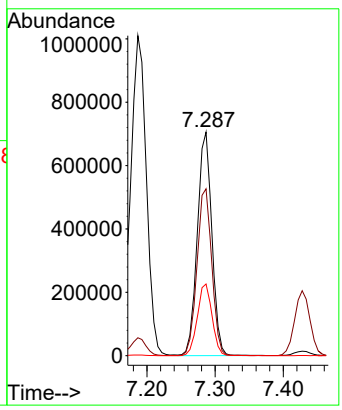
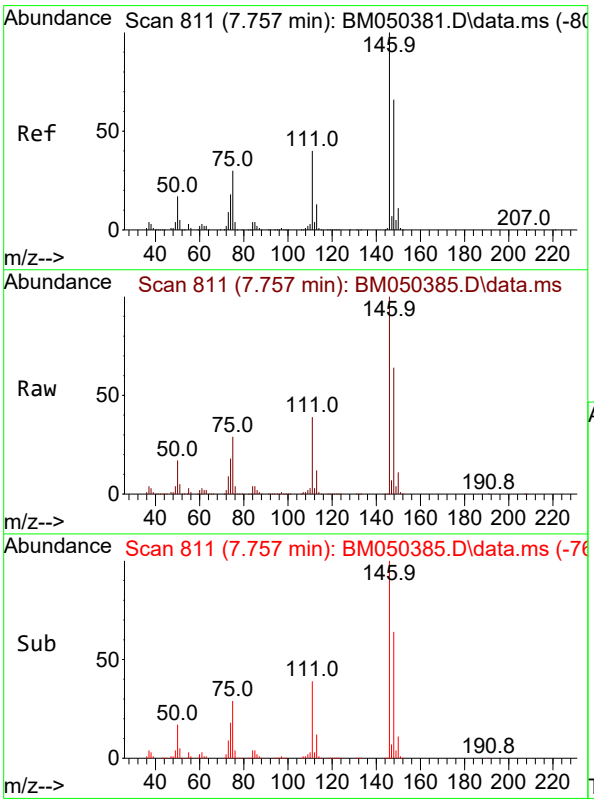
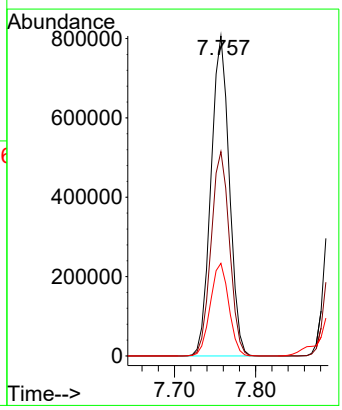


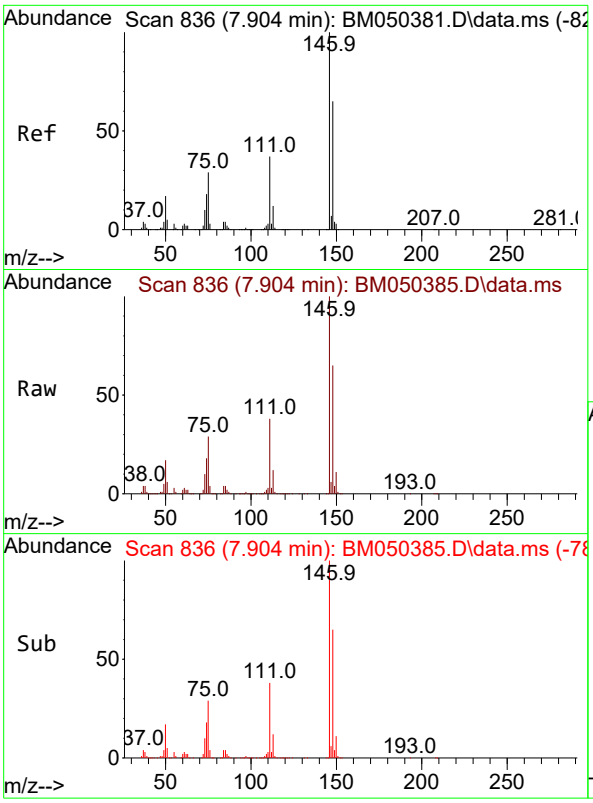




#12
1,3-Dichlorobenzene
Concen: 41.848 ng
RT: 7.757 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:146 Resp: 1260411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 53.2 | 79.8 |
| 75 | 28.9 | 23.9 | 35.9 |

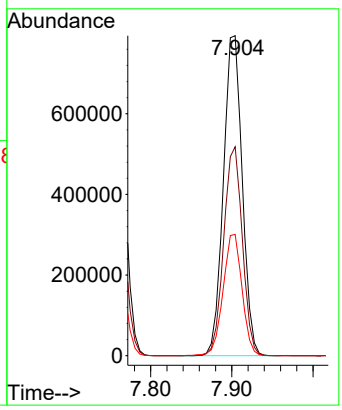





#13
1,4-Dichlorobenzene
Concen: 41.609 ng
RT: 7.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:146 Resp: 127965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.3 | 51.9 | 77.9 |
| 111 | 37.9 | 30.0 | 45.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
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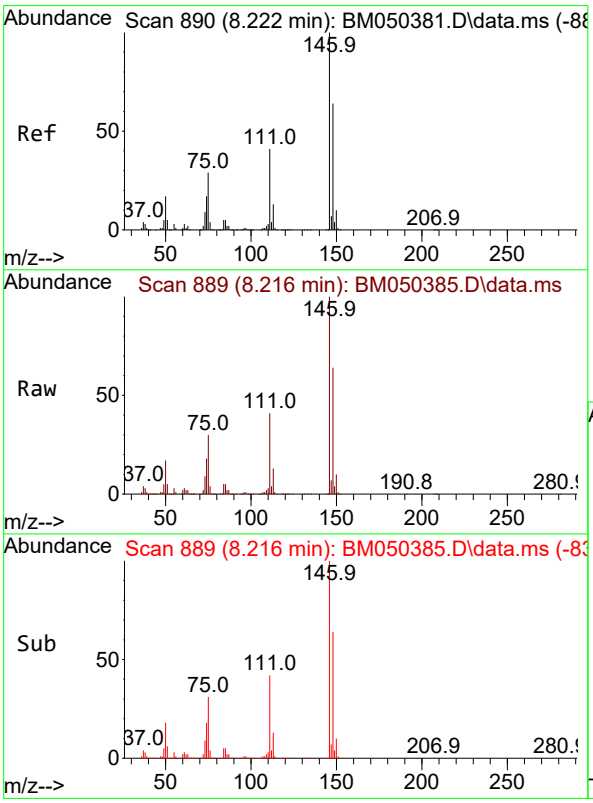
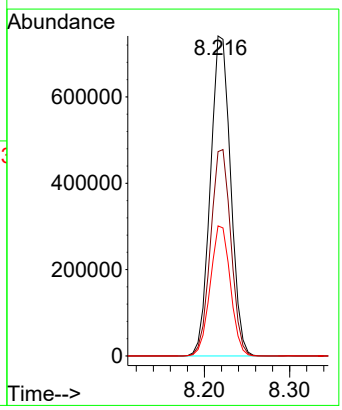
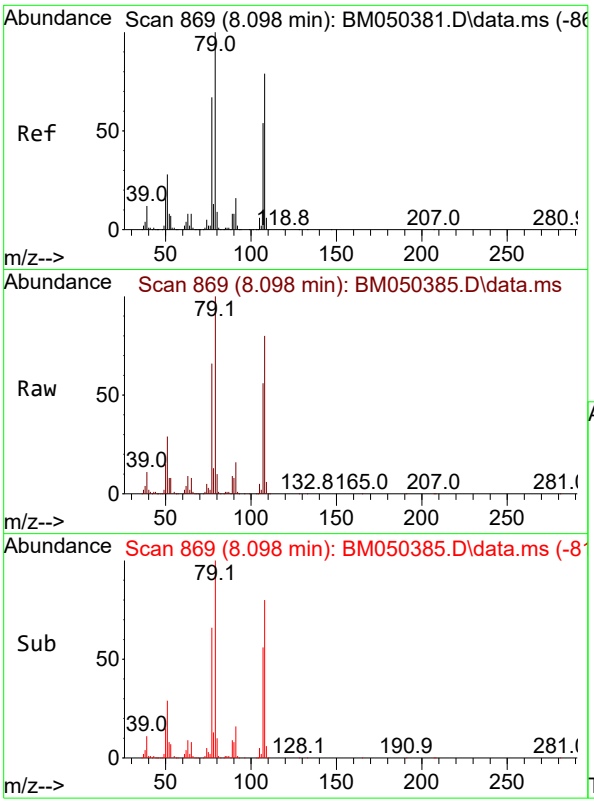



#14
1,2-Dichlorobenzene
Concen: 41.478 ng
RT: 8.216 min Scan# 889
Delta R.T. -0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:146 Resp: 1221241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 51.5 | 77.3 |
| 111 | 40.6 | 32.6 | 49.0 |

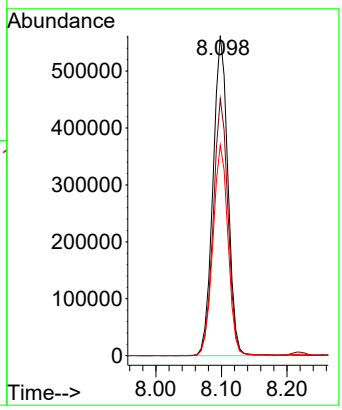





#15
Benzyl Alcohol
Concen: 42.555 ng
RT: 8.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion: 79 Resp: 88789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 80.3 | 63.0 | 94.4 |
| 77 | 65.8 | 53.4 | 80.0 |




**Instrument :**
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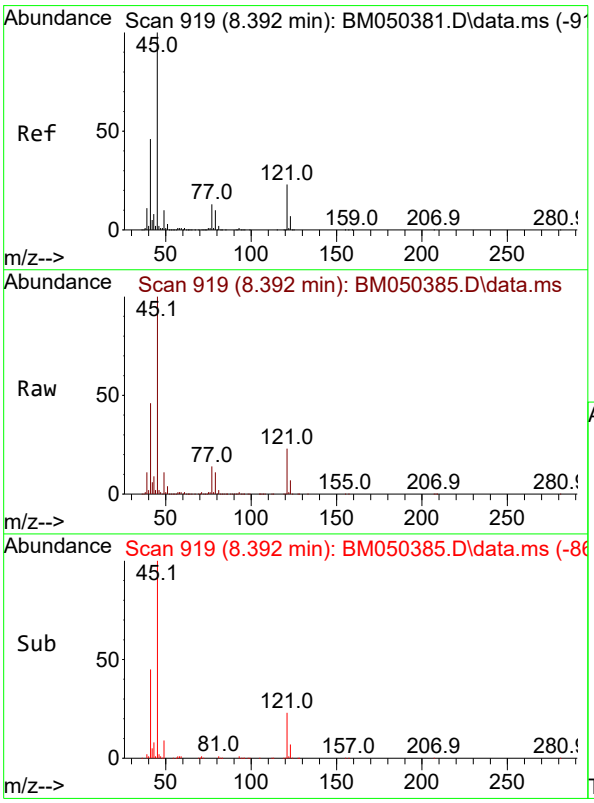
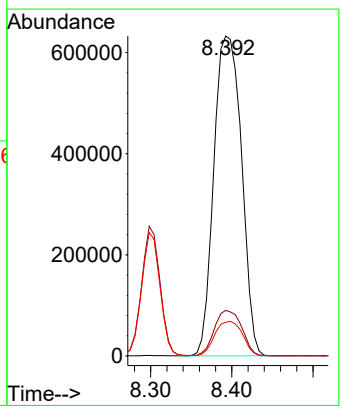
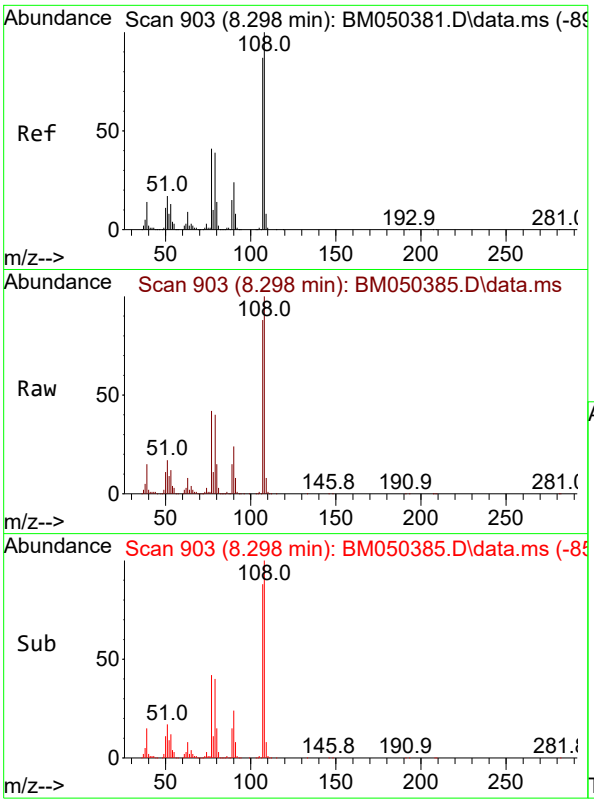



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.095 ng
RT: 8.392 min Scan# 919
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion: 45 Resp: 1497256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 14.2 | 0.0 | 33.5 |
| 79 | 10.5 | 0.0 | 30.3 |

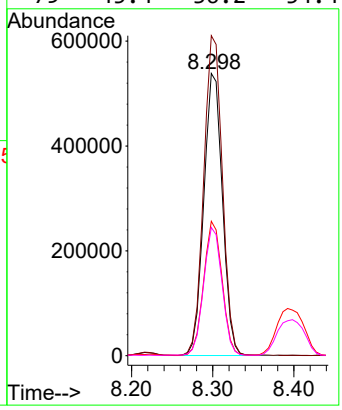





#17
2-Methylphenol
Concen: 42.726 ng
RT: 8.298 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:107 Resp: 85588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.4 | 92.1 | 138.1 |
| 77 | 47.6 | 38.2 | 57.4 |
| 79 | 45.4 | 36.2 | 54.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

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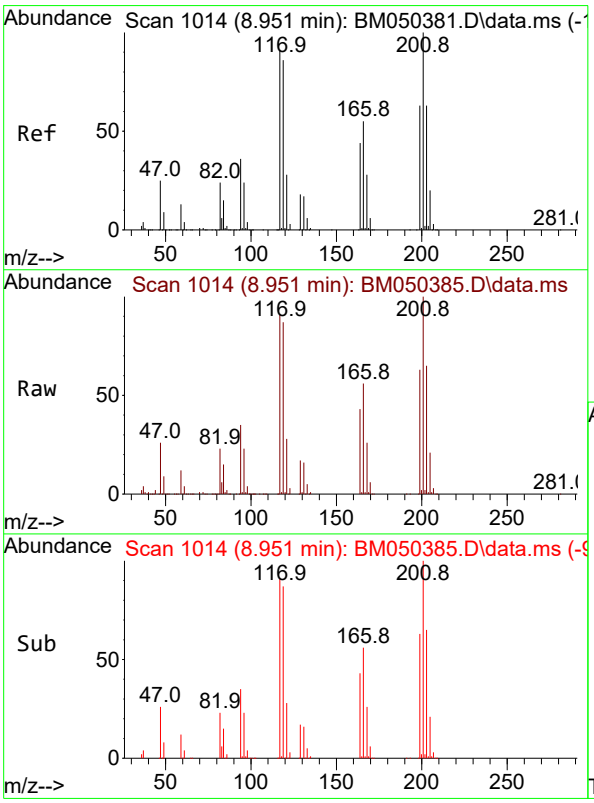
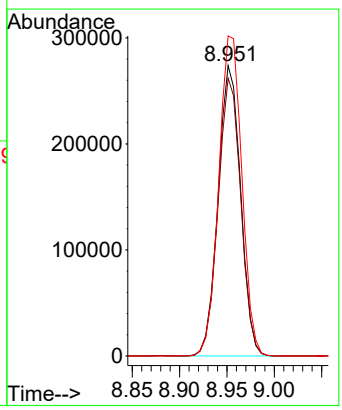
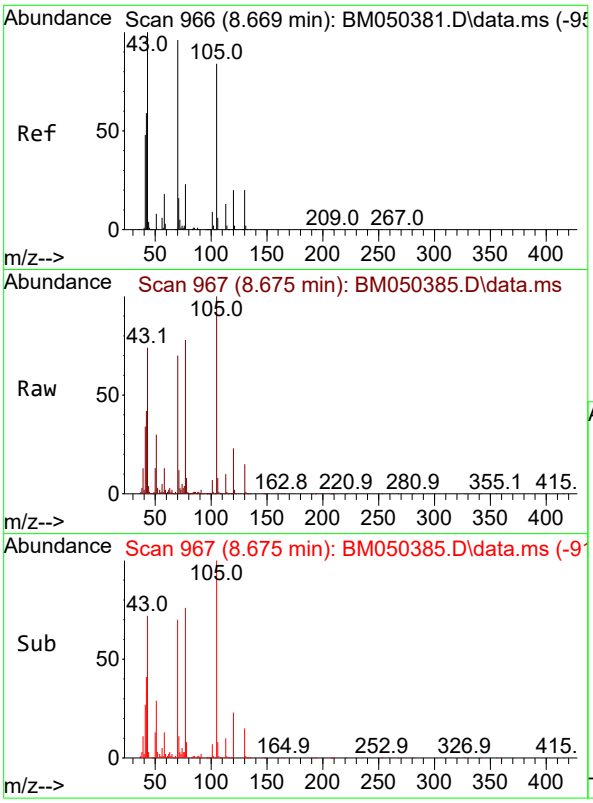



#18
Hexachloroethane
Concen: 41.906 ng
RT: 8.951 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:117 Resp: 453255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.7 | 75.6 | 113.4 |
| 201 | 110.2 | 87.9 | 131.9 |

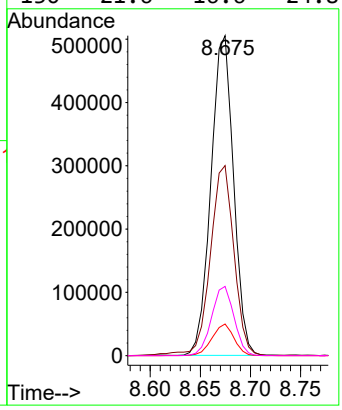





#19
n-Nitroso-di-n-propylamine
Concen: 44.168 ng
RT: 8.675 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion: 70 Resp: 79233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 59.4 | 49.7 | 74.5 |
| 101 | 9.9 | 7.7 | 11.5 |
| 130 | 21.6 | 16.6 | 24.8 |

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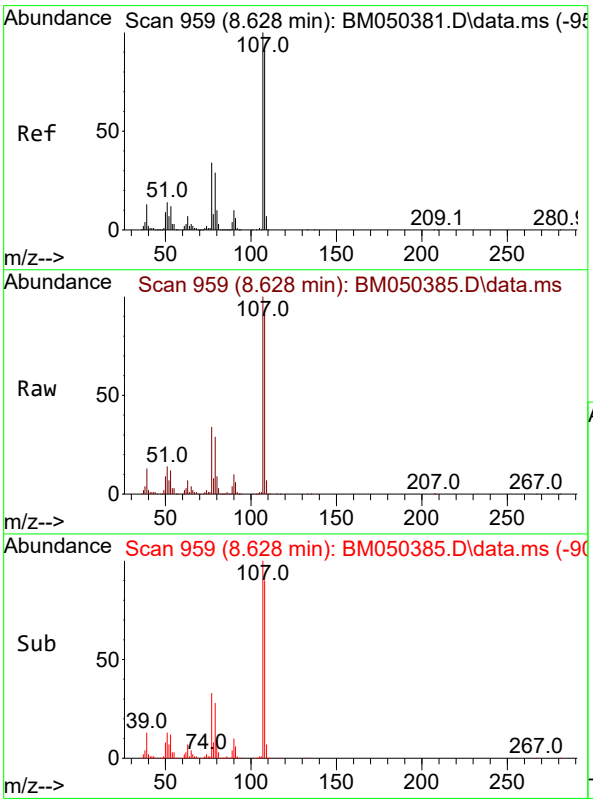
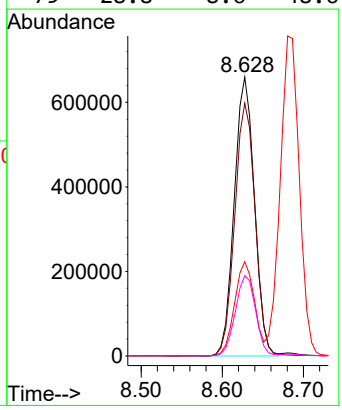
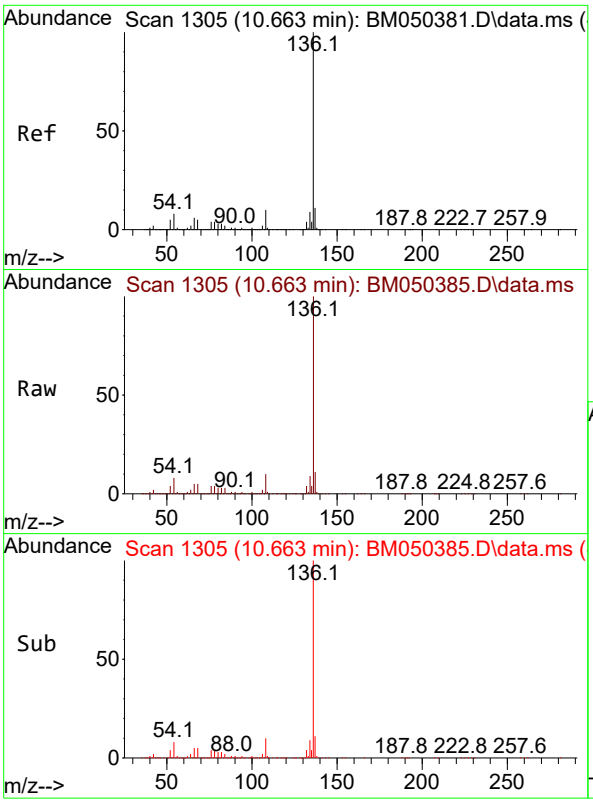



#20
3+4-Methylphenols
Concen: 42.276 ng
RT: 8.628 min Scan# 959
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:107 Resp: 1136862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.7 | 71.5 | 111.5 |
| 77 | 33.8 | 13.7 | 53.7 |
| 79 | 28.8 | 8.6 | 48.6 |

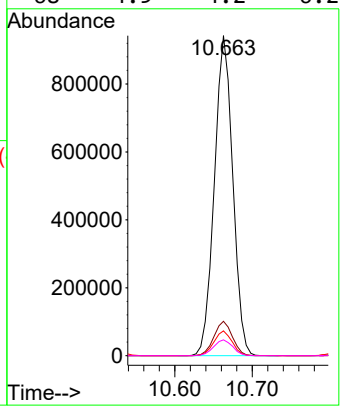





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:136 Resp: 155404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.8 | 13.2 |
| 54 | 7.7 | 6.3 | 9.5 |
| 68 | 4.9 | 4.2 | 6.2 |




**Instrument :**
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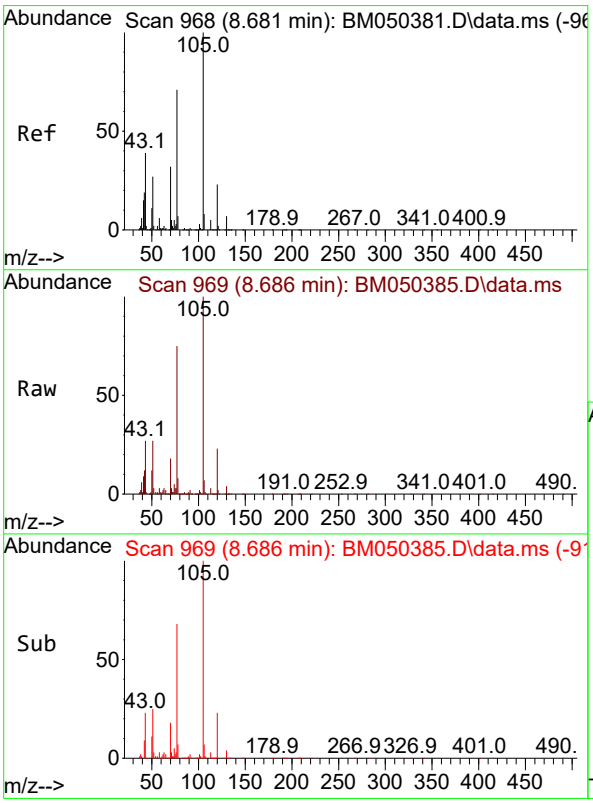
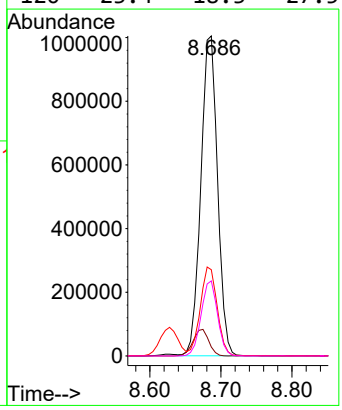
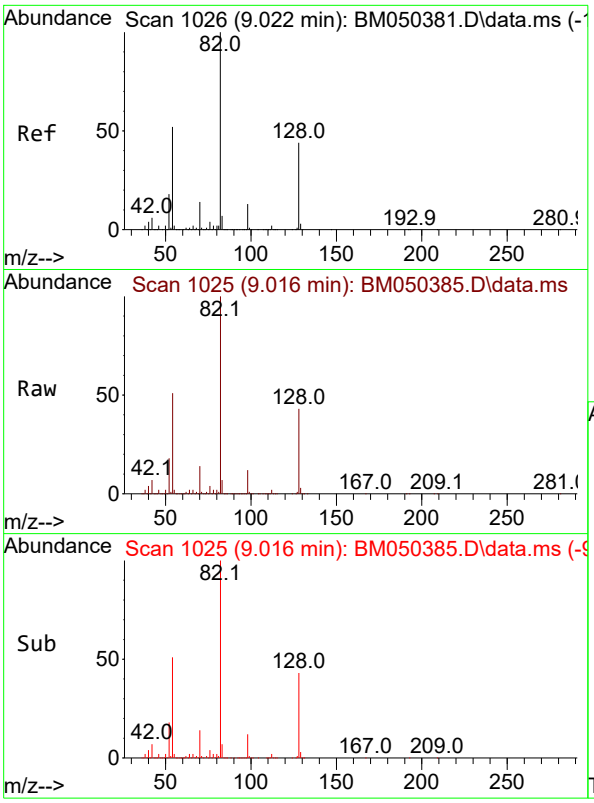



#22
Acetophenone
Concen: 42.290 ng
RT: 8.686 min Scan# 969
Delta R.T. 0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:105 Resp: 1643199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 2.8 | 4.4 | 6.6# |
| 51 | 27.0 | 23.0 | 34.6 |
| 120 | 23.4 | 18.3 | 27.5 |

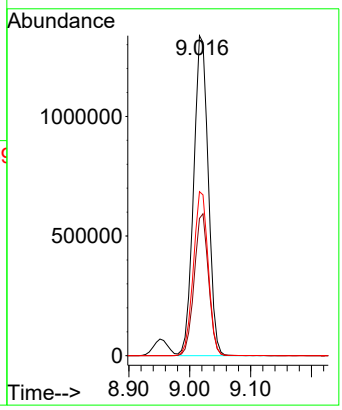





#23
Nitrobenzene-d5
Concen: 73.139 ng
RT: 9.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion: 82 Resp: 222787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.9 | 35.2 | 52.8 |
| 54 | 51.2 | 41.5 | 62.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

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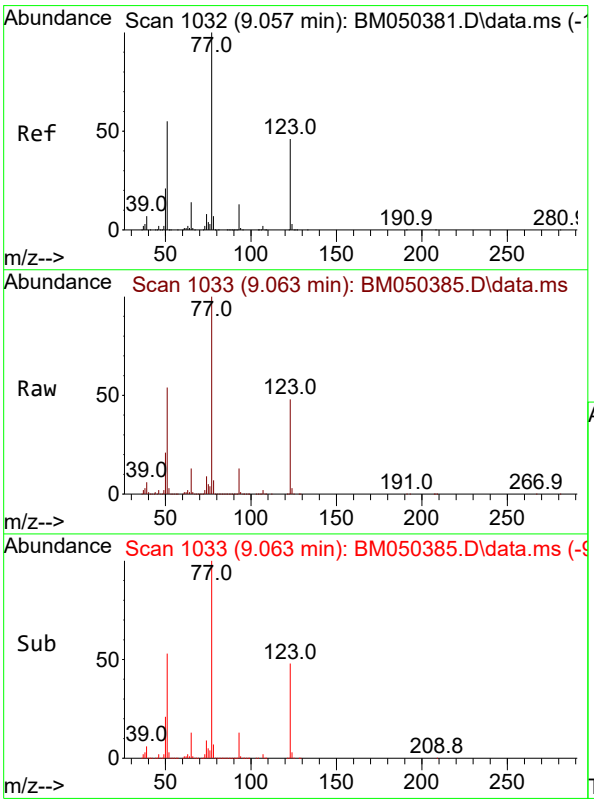
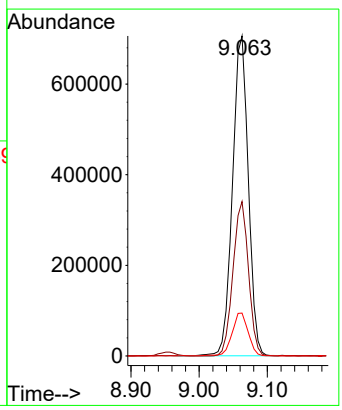
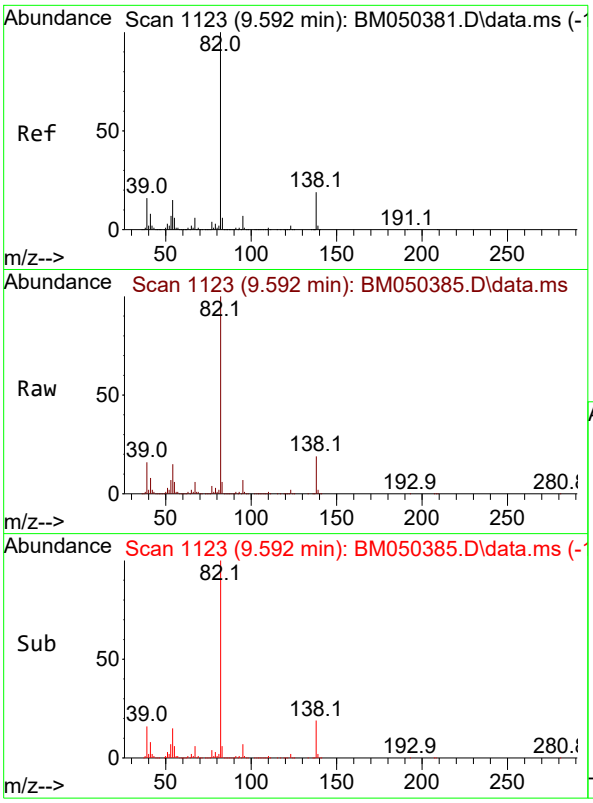



#24
Nitrobenzene
Concen: 41.860 ng
RT: 9.063 min Scan# 1033
Delta R.T. 0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion: 77 Resp: 1137842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 48.3 | 37.0 | 55.6 |
| 65 | 13.4 | 11.0 | 16.4 |

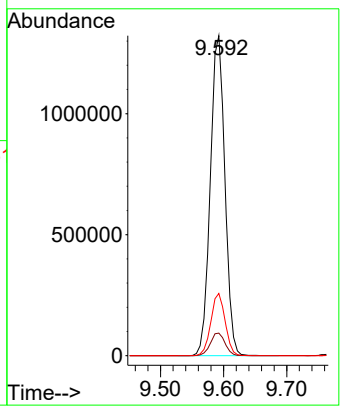





#25
Isophorone
Concen: 42.909 ng
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion: 82 Resp: 212087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.1 | 5.6 | 8.4 |
| 138 | 19.4 | 15.3 | 22.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

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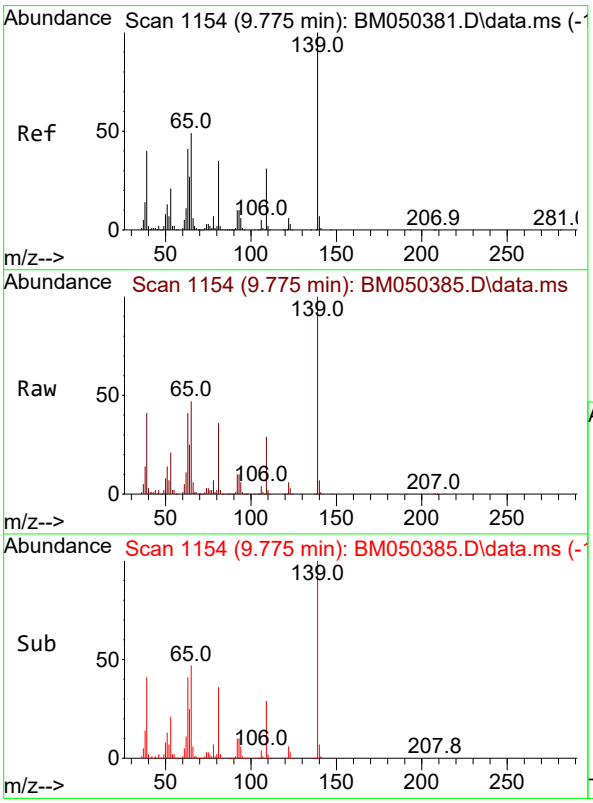
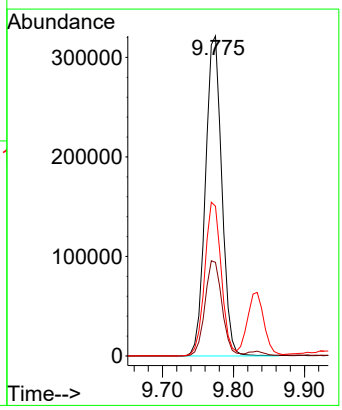
Supervised By :Jagrut Upadhyay 07/09/2025

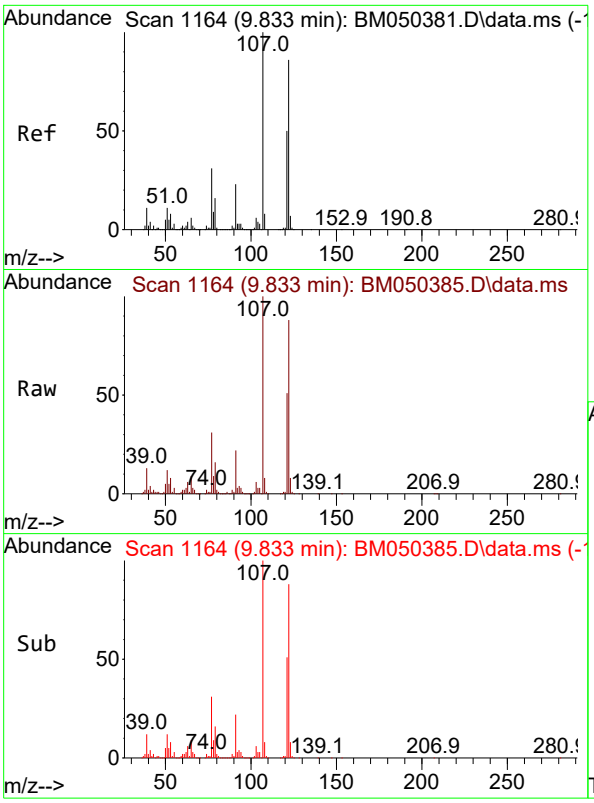



#26
2-Nitrophenol
Concen: 46.488 ng
RT: 9.775 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:139 Resp: 514999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 29.3 | 24.6 | 36.8 |
| 65 | 46.8 | 39.2 | 58.8 |

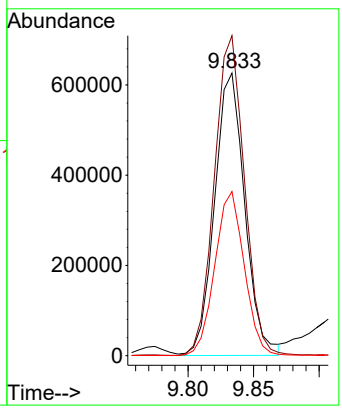





#27
2,4-Dimethylphenol
Concen: 42.470 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:122 Resp: 100114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 113.2 | 93.0 | 139.6 |
| 121 | 58.1 | 46.1 | 69.1 |




**Instrument :**
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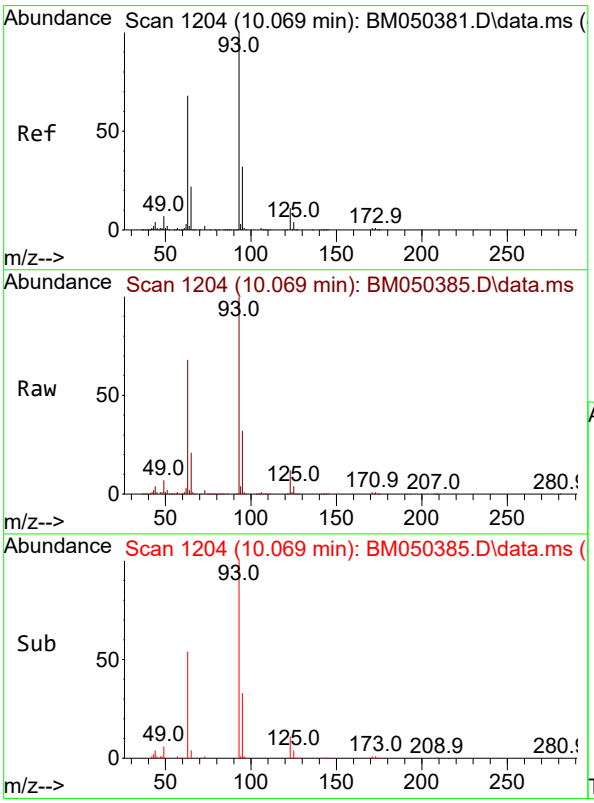
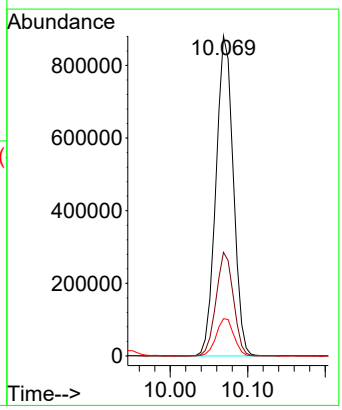
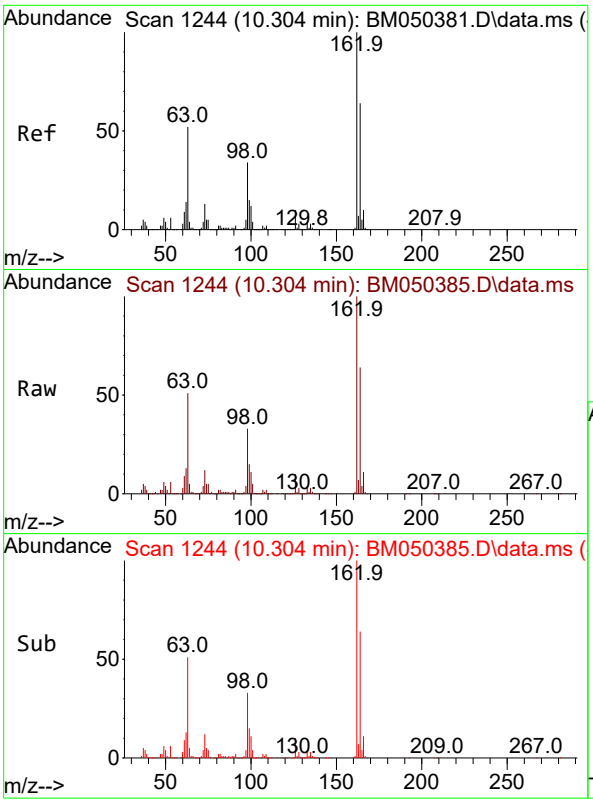



#28
bis(2-Chloroethoxy)methane
Concen: 41.880 ng
RT: 10.069 min Scan# 1204
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion: 93 Resp: 1371682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.4 | 25.8 | 38.6 |
| 123 | 11.6 | 9.1 | 13.7 |

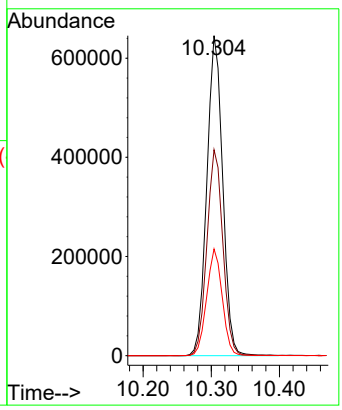





#29
2,4-Dichlorophenol
Concen: 43.061 ng
RT: 10.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:162 Resp: 104286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.3 | 43.7 | 83.7 |
| 98 | 33.3 | 13.7 | 53.7 |




**Instrument :**
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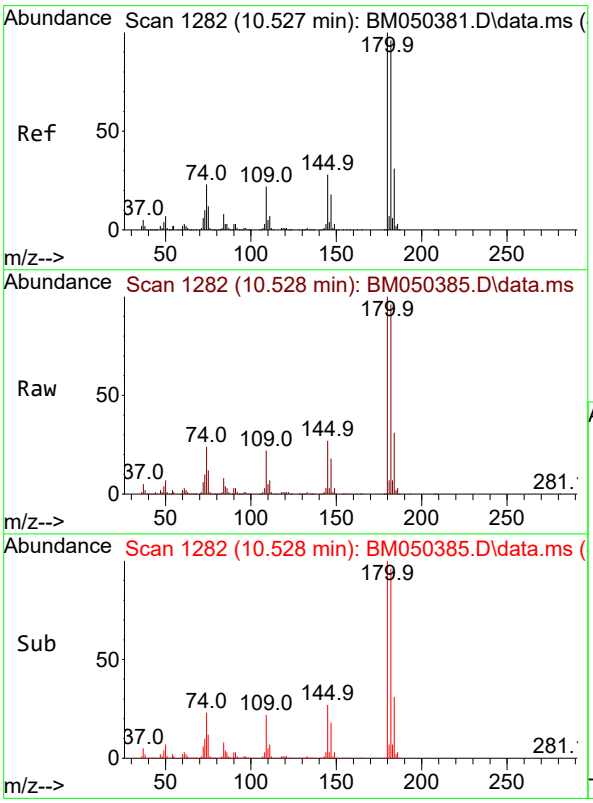
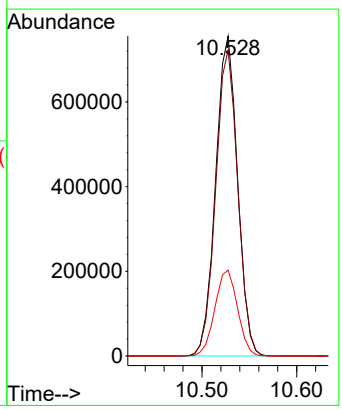
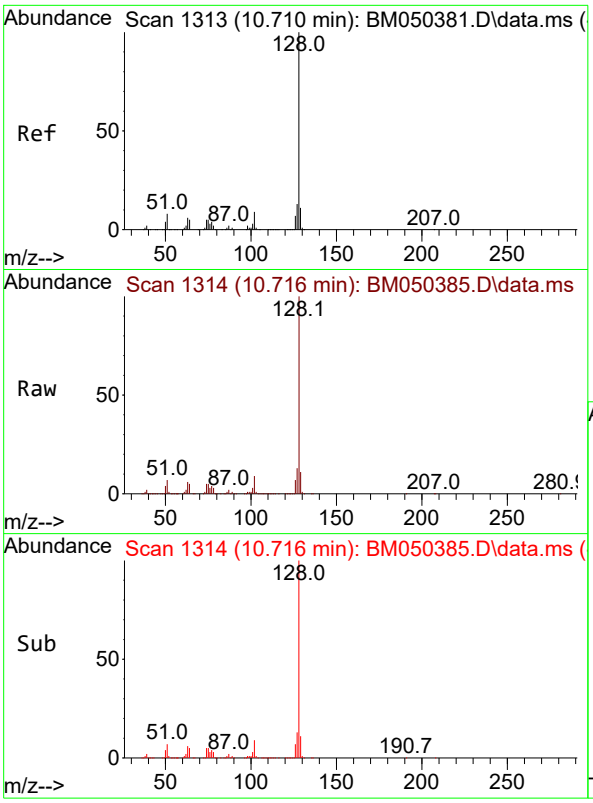



#30
1,2,4-Trichlorobenzene
Concen: 42.001 ng
RT: 10.528 min Scan# 1282
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:180 Resp: 1216831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.6 | 76.8 | 115.2 |
| 145 | 26.8 | 22.6 | 33.8 |

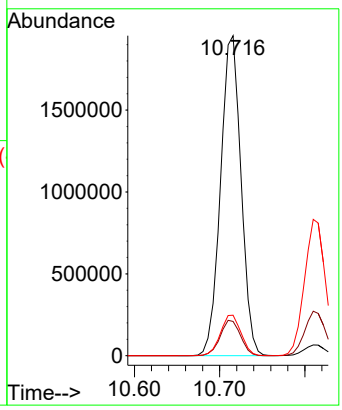





#31
Naphthalene
Concen: 41.281 ng
RT: 10.716 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:128 Resp: 325849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.7 | 8.8 | 13.2 |
| 127 | 12.7 | 10.4 | 15.6 |




**Instrument :**
BNA_M
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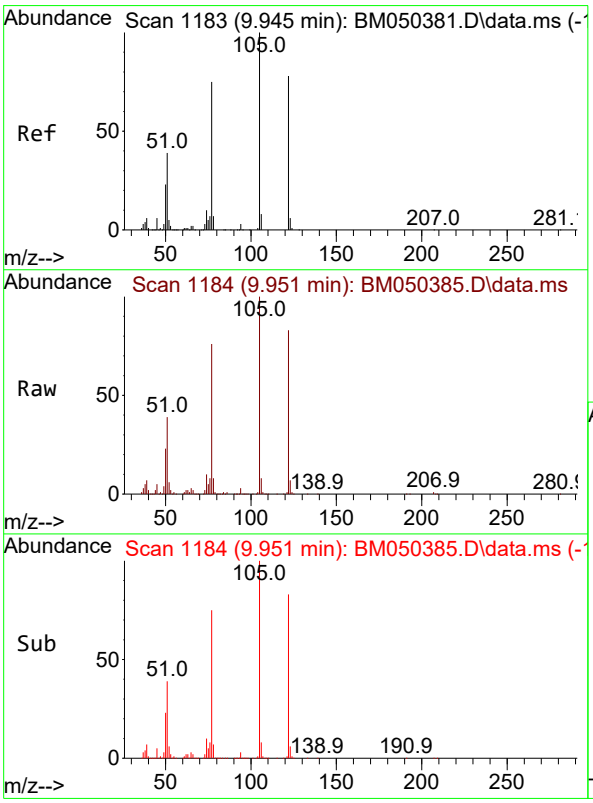
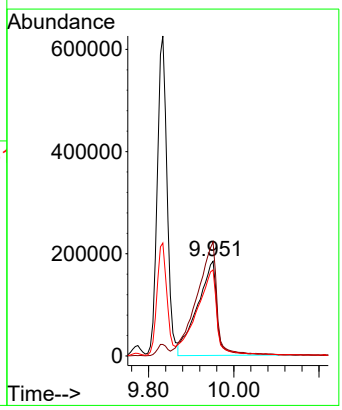
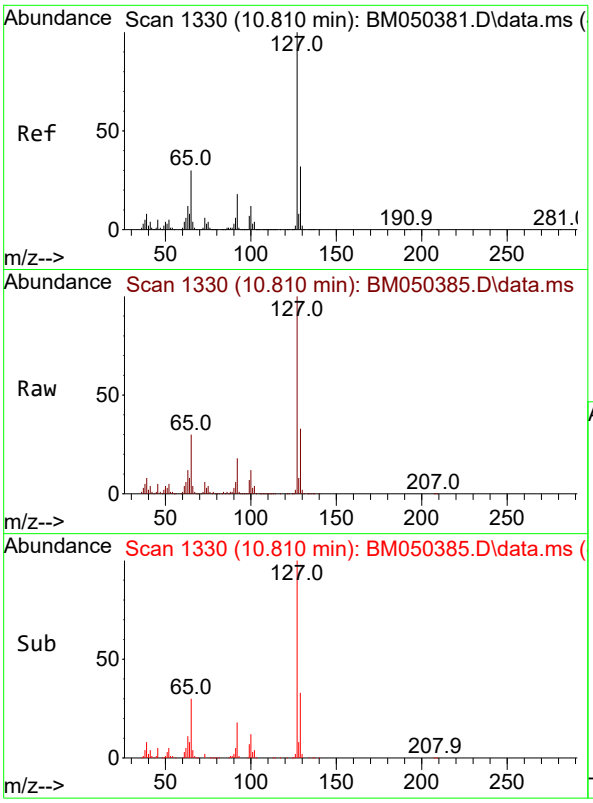



#32
Benzoic acid
Concen: 41.913 ng
RT: 9.951 min Scan# 1184
Delta R.T. 0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:122 Resp: 593935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 120.3 | 104.0 | 144.0 |
| 77 | 90.9 | 73.8 | 113.8 |

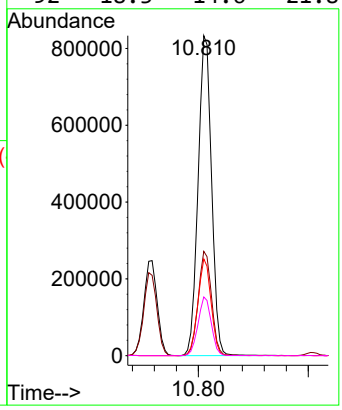





#33
4-Chloroaniline
Concen: 42.424 ng
RT: 10.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:127 Resp: 141571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.6 | 25.5 | 38.3 |
| 65 | 30.3 | 23.9 | 35.9 |
| 92 | 18.3 | 14.6 | 21.8 |




**Instrument :**
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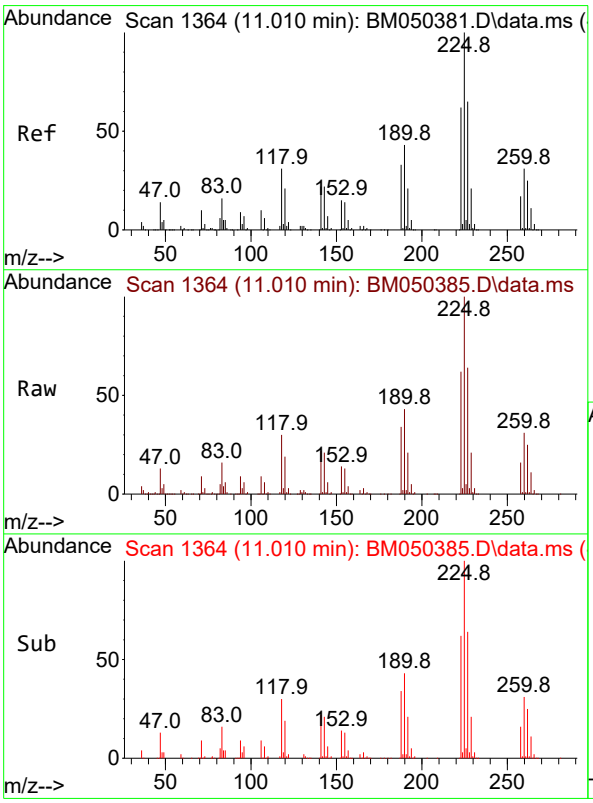
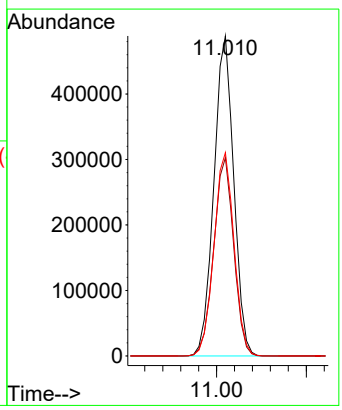
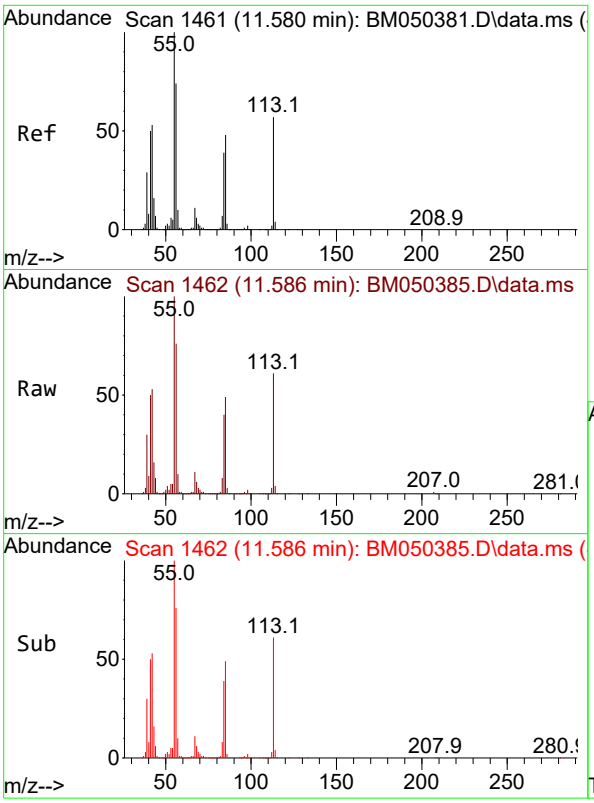



#34
Hexachlorobutadiene
Concen: 42.386 ng
RT: 11.010 min Scan# 1364
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:225 Resp: 749497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.0 | 49.7 | 74.5 |
| 227 | 63.5 | 52.1 | 78.1 |

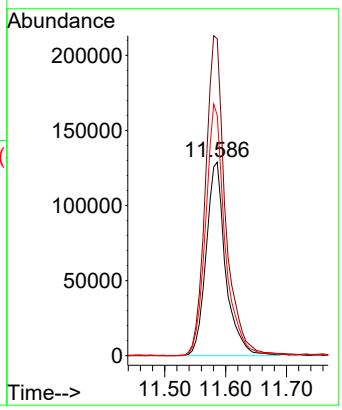





#35
Caprolactam
Concen: 43.156 ng
RT: 11.586 min Scan# 14
Delta R.T. 0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:113 Resp: 28531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 163.8 | 157.2 | 197.2 |
| 56 | 124.2 | 111.7 | 151.7 |




**Instrument :**
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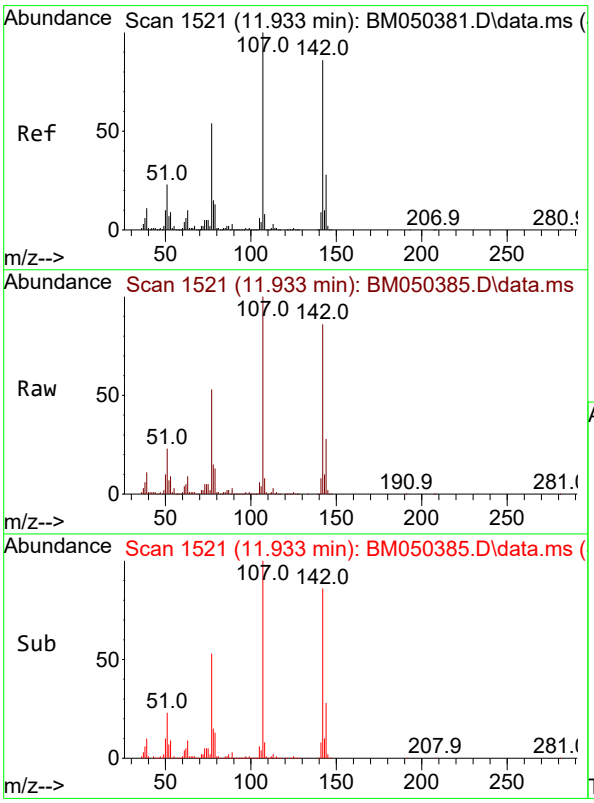
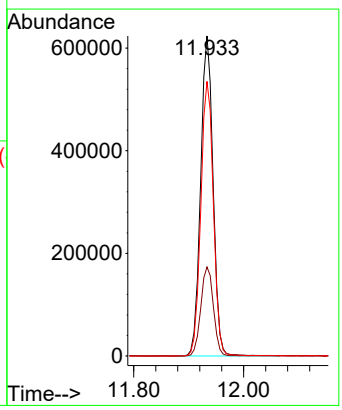
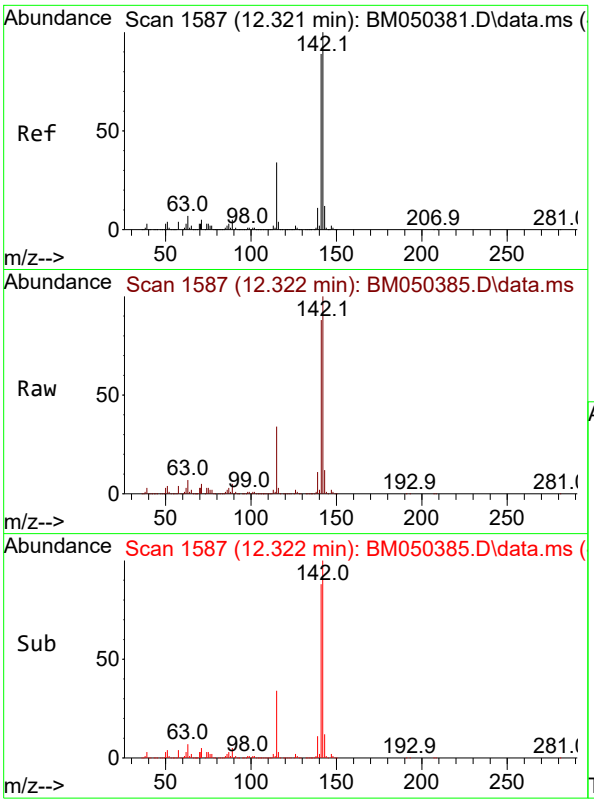



#36
4-Chloro-3-methylphenol
Concen: 43.312 ng
RT: 11.933 min Scan# 1521
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:107 Resp: 979521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 27.8 | 22.2 | 33.4 |
| 142 | 85.8 | 68.7 | 103.1 |

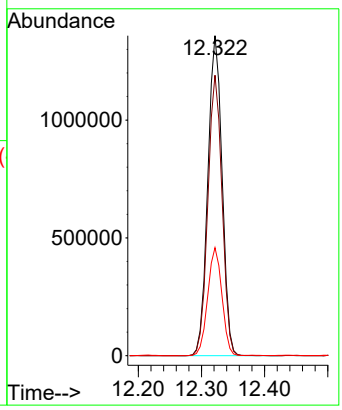





#37
2-Methylnaphthalene
Concen: 42.637 ng
RT: 12.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:142 Resp: 212498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.6 | 70.8 | 106.2 |
| 115 | 33.7 | 27.0 | 40.4 |




**Instrument :**
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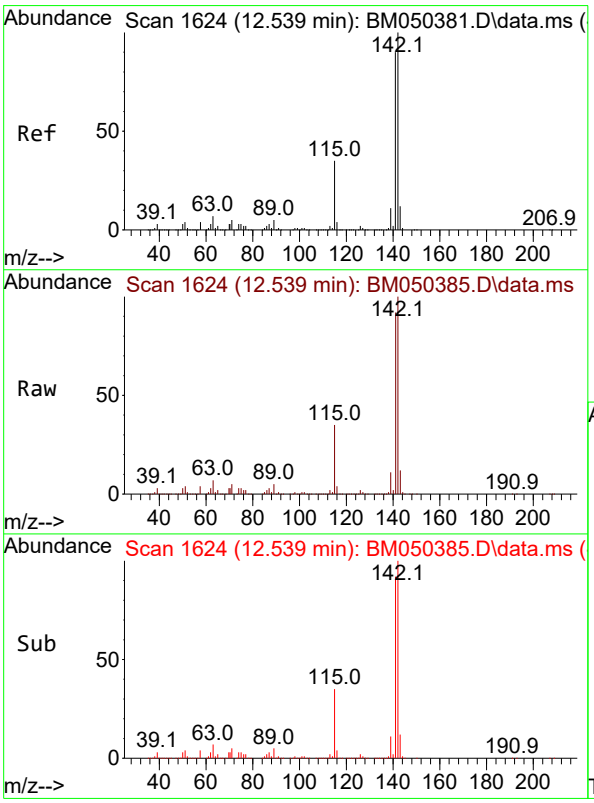
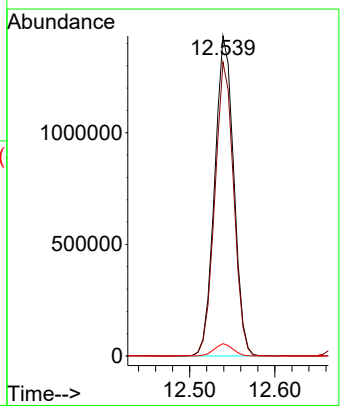
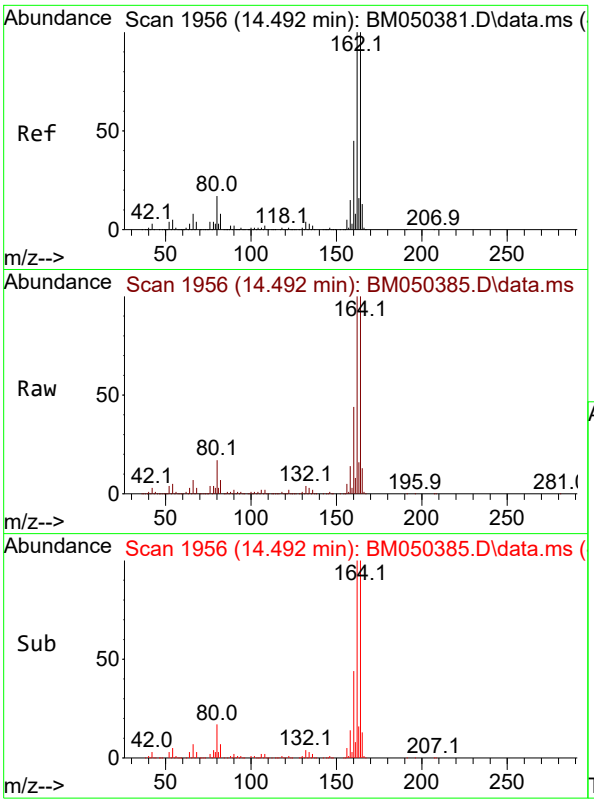



#38
1-Methylnaphthalene
Concen: 42.292 ng
RT: 12.539 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:142 Resp: 2230710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.8 | 71.9 | 107.9 |
| 116 | 3.9 | 3.0 | 4.6 |

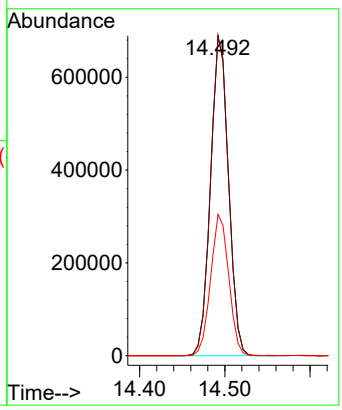





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:164 Resp: 100826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.6 | 79.9 | 119.9 |
| 160 | 44.1 | 36.2 | 54.4 |

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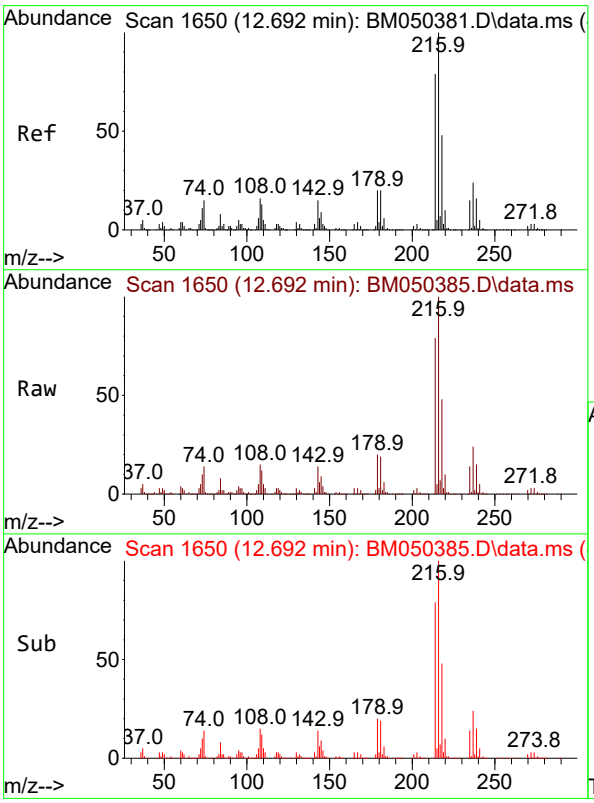
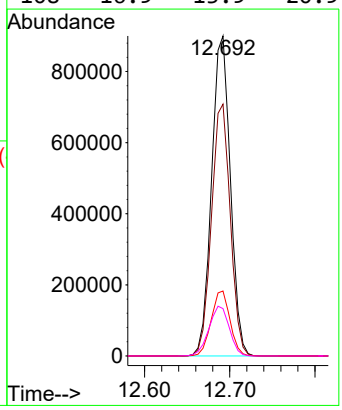
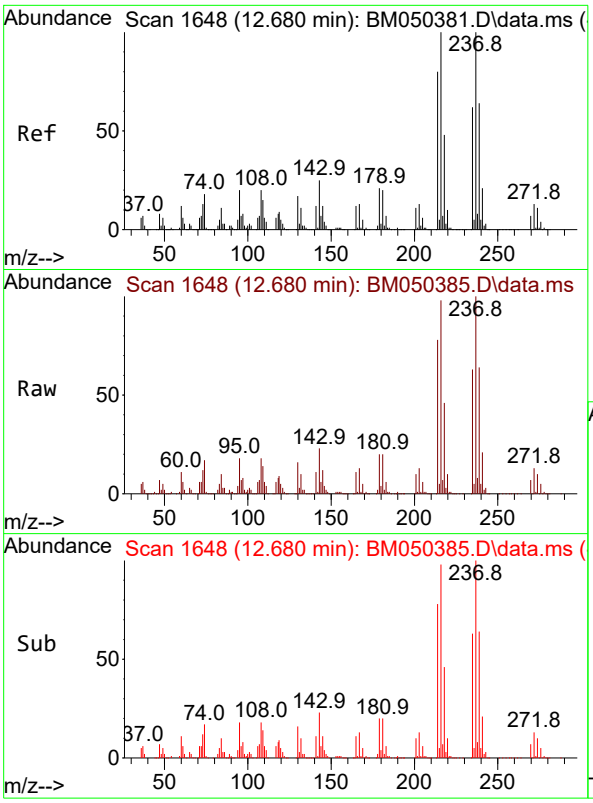



#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.859 ng
RT: 12.692 min Scan# 1650
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:216 Resp: 1374217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.0 | 63.3 | 94.9 |
| 179 | 20.4 | 16.4 | 24.6 |
| 108 | 16.9 | 13.9 | 20.9 |

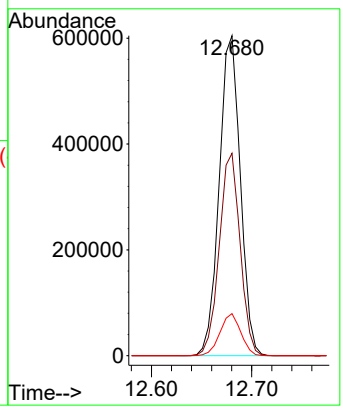





#41
Hexachlorocyclopentadiene
Concen: 43.015 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:237 Resp: 88160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.2 | 42.3 | 82.3 |
| 272 | 13.1 | 0.0 | 33.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
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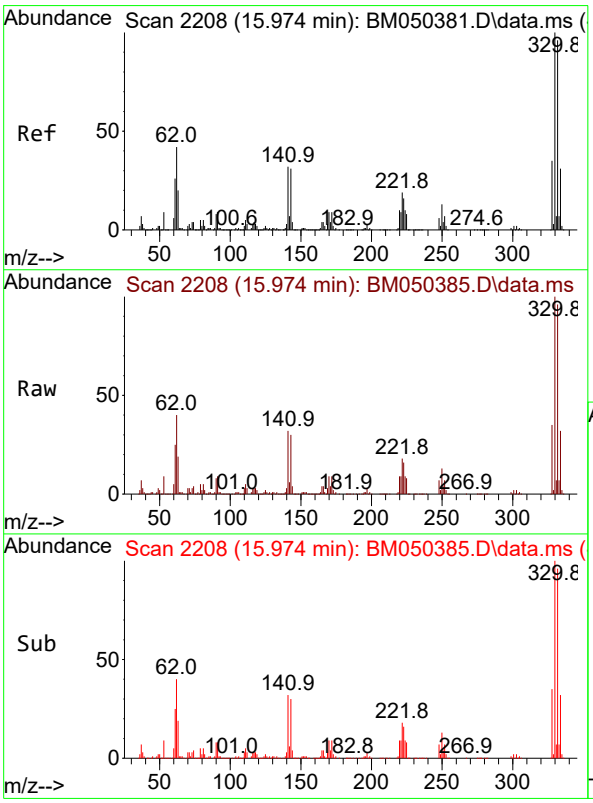
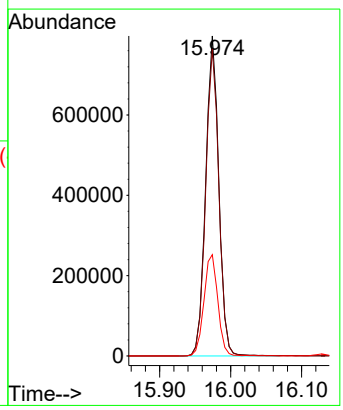
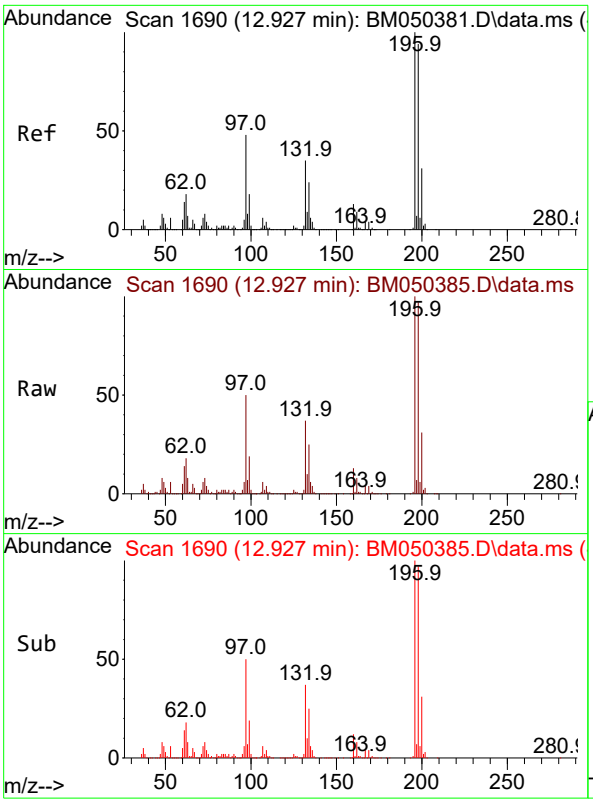



#42
2,4,6-Tribromophenol
Concen: 83.788 ng
RT: 15.974 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:330 Resp: 1026446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 76.9 | 115.3 |
| 141 | 33.5 | 27.4 | 41.0 |

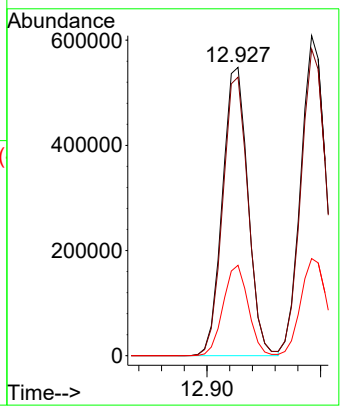





#43
2,4,6-Trichlorophenol
Concen: 43.485 ng
RT: 12.927 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:196 Resp: 85825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.6 | 75.1 | 112.7 |
| 200 | 31.3 | 24.6 | 37.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

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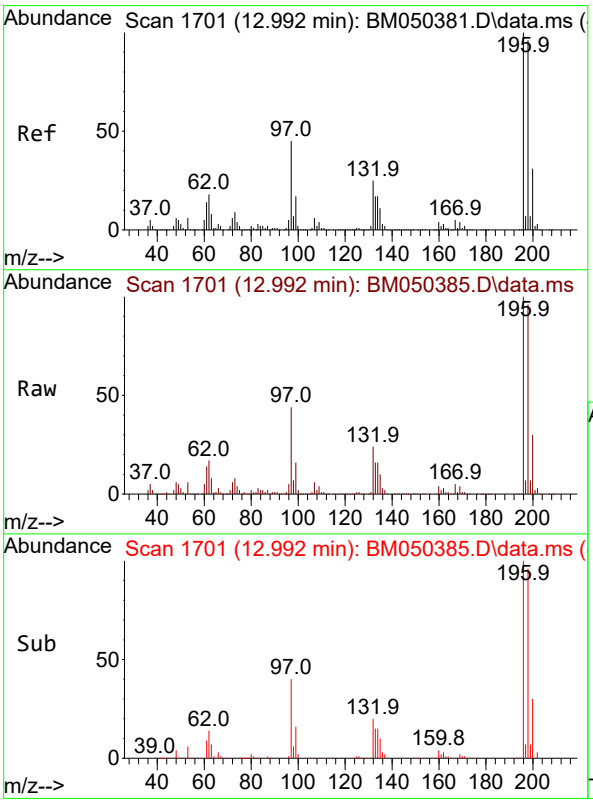
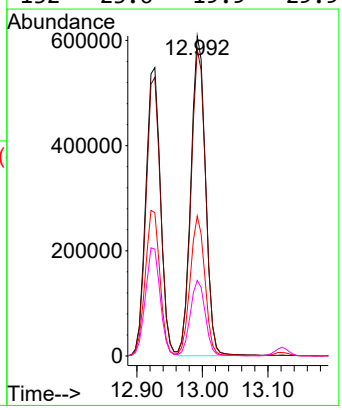
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

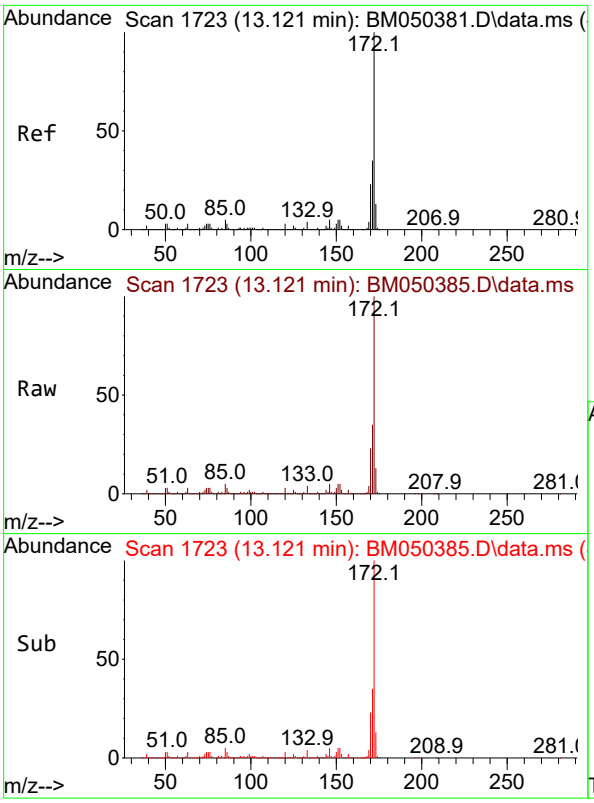



#44
2,4,5-Trichlorophenol
Concen: 43.542 ng
RT: 12.992 min Scan# 1701
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:196 Resp: 938542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.8 | 77.2 | 115.8 |
| 97 | 43.7 | 36.2 | 54.4 |
| 132 | 23.6 | 19.9 | 29.9 |

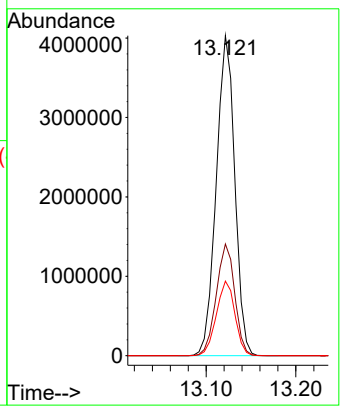





#45
2-Fluorobiphenyl
Concen: 70.689 ng
RT: 13.121 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:172 Resp: 577142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.9 | 27.7 | 41.5 |
| 170 | 23.3 | 18.8 | 28.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

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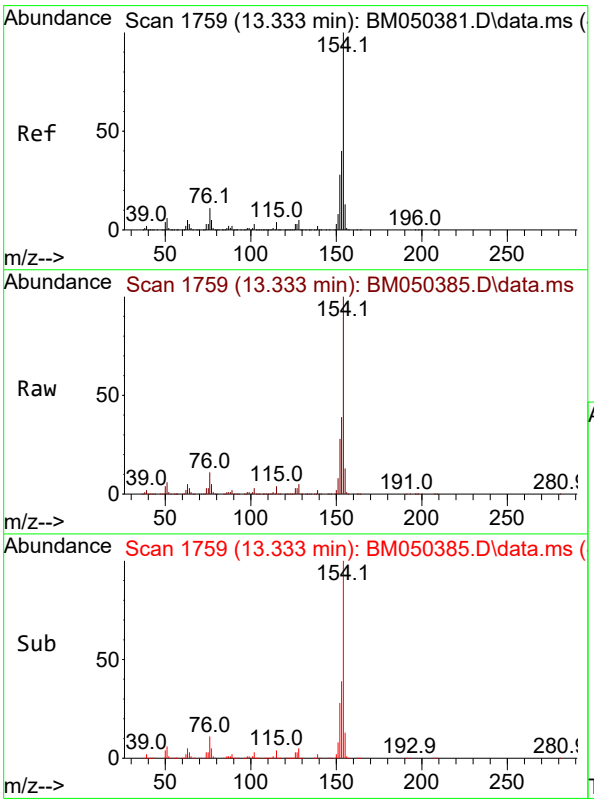
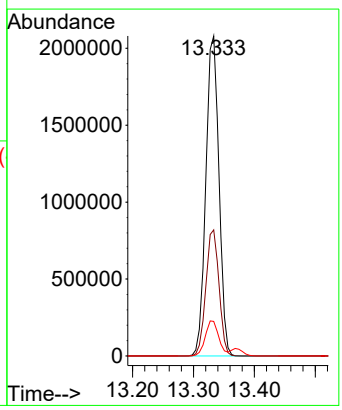
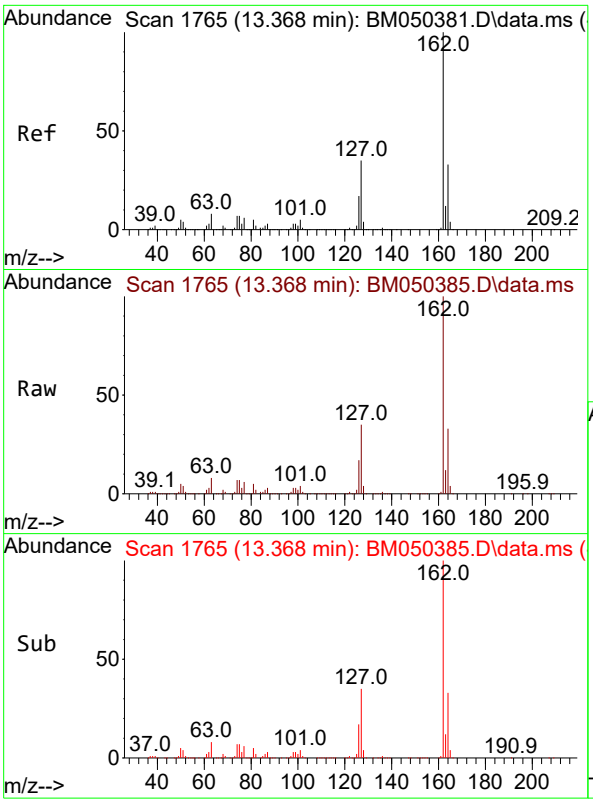



#46
1,1'-Biphenyl
Concen: 41.557 ng
RT: 13.333 min Scan# 1759
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:154 Resp: 3108770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.4 | 19.7 | 59.7 |
| 76 | 10.8 | 0.0 | 30.9 |

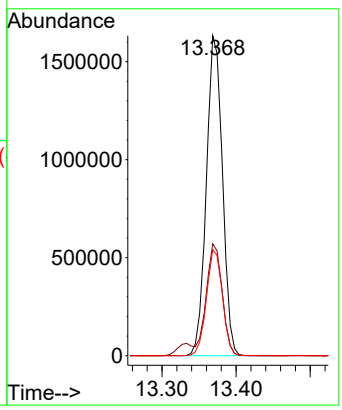





#47
2-Chloronaphthalene
Concen: 41.272 ng
RT: 13.368 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:162 Resp: 246164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 35.0 | 28.3 | 42.5 |
| 164 | 33.2 | 26.6 | 40.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

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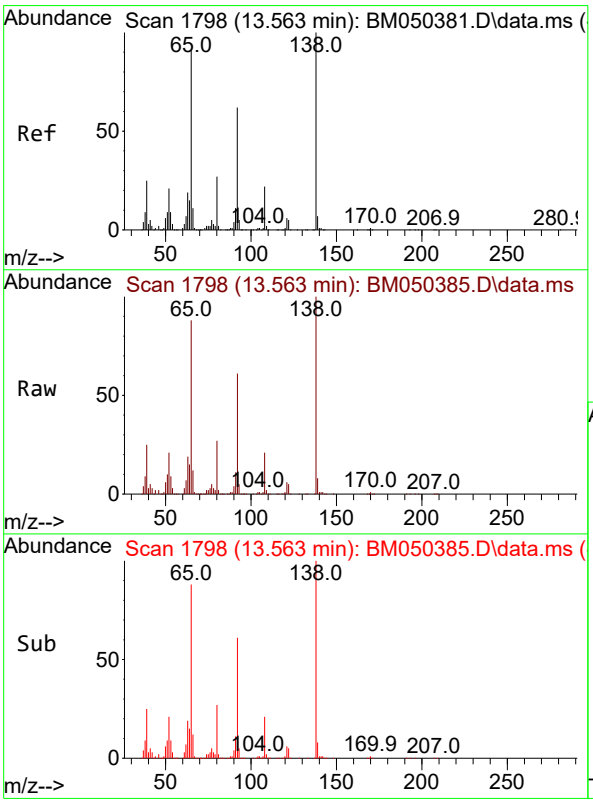
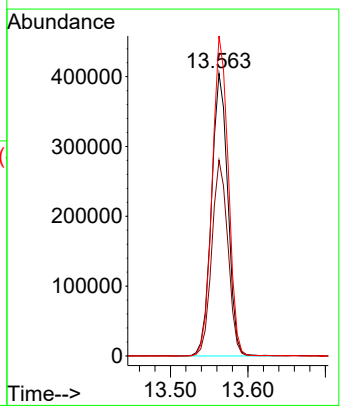
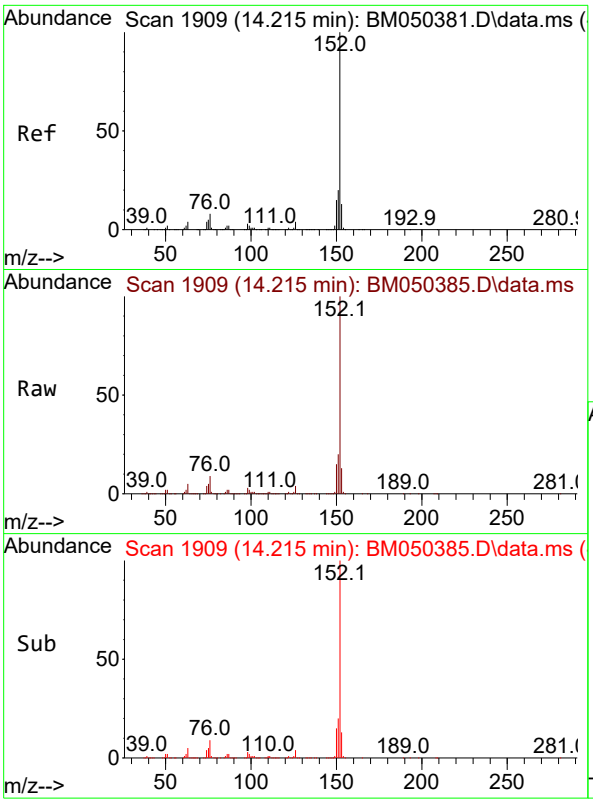



#48
2-Nitroaniline
Concen: 44.497 ng
RT: 13.563 min Scan# 1798
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion: 65 Resp: 592401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 69.3 | 54.3 | 81.5 |
| 138 | 113.2 | 87.8 | 131.6 |

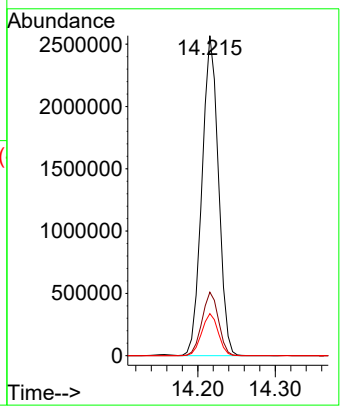





#49
Acenaphthylene
Concen: 41.972 ng
RT: 14.215 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:152 Resp: 378330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 16.3 | 24.5 |
| 153 | 13.1 | 10.6 | 15.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

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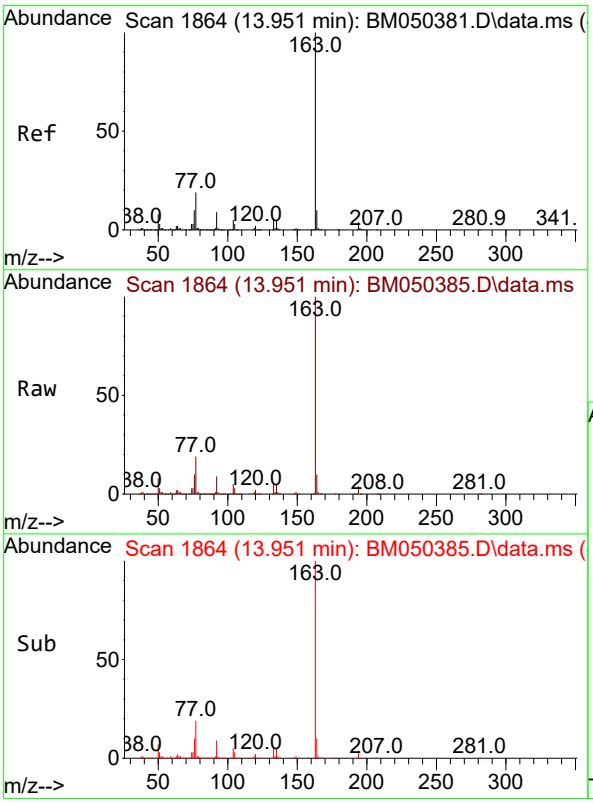
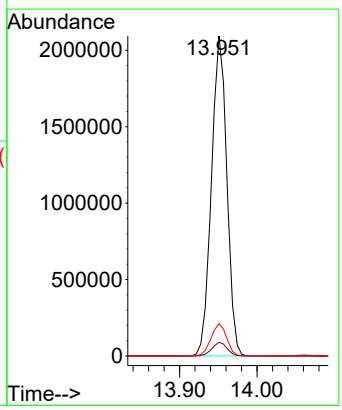
Supervised By :Jagrut Upadhyay 07/09/2025

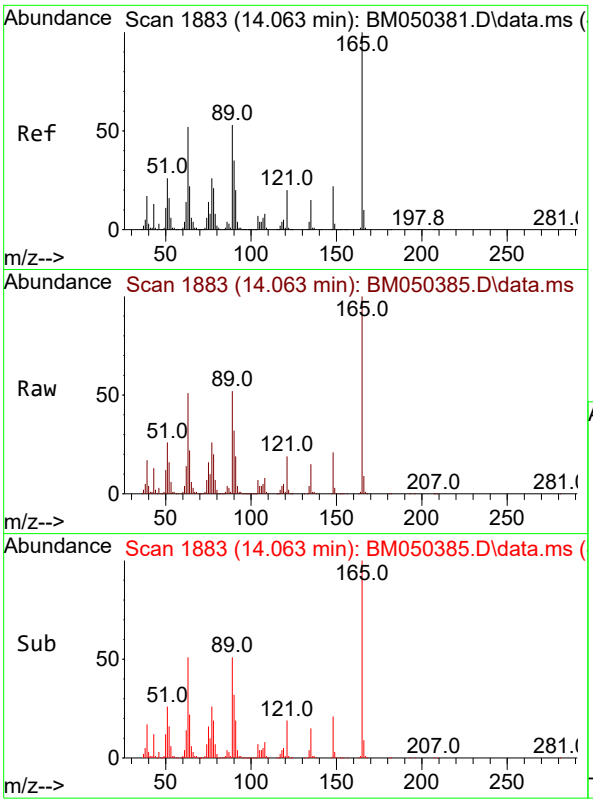



#50
Dimethylphthalate
Concen: 41.635 ng
RT: 13.951 min Scan# 1864
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:163 Resp: 2890119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.4 | 5.2 |
| 164 | 10.1 | 8.2 | 12.2 |

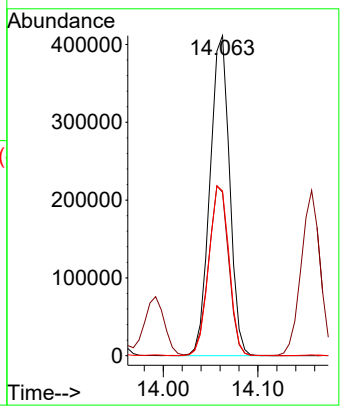





#51
2,6-Dinitrotoluene
Concen: 44.405 ng
RT: 14.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:165 Resp: 59184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 51.1 | 42.4 | 63.6 |
| 89 | 51.5 | 42.2 | 63.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

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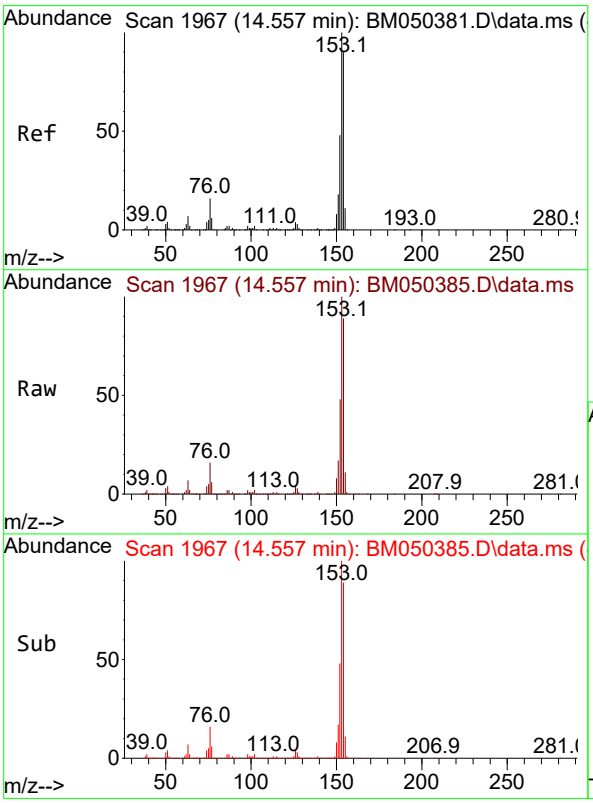
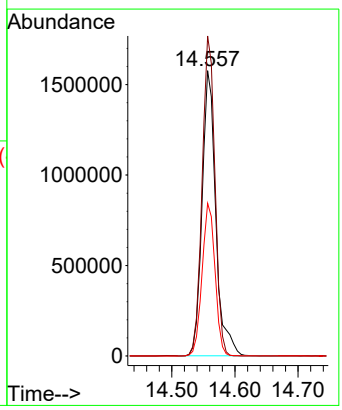
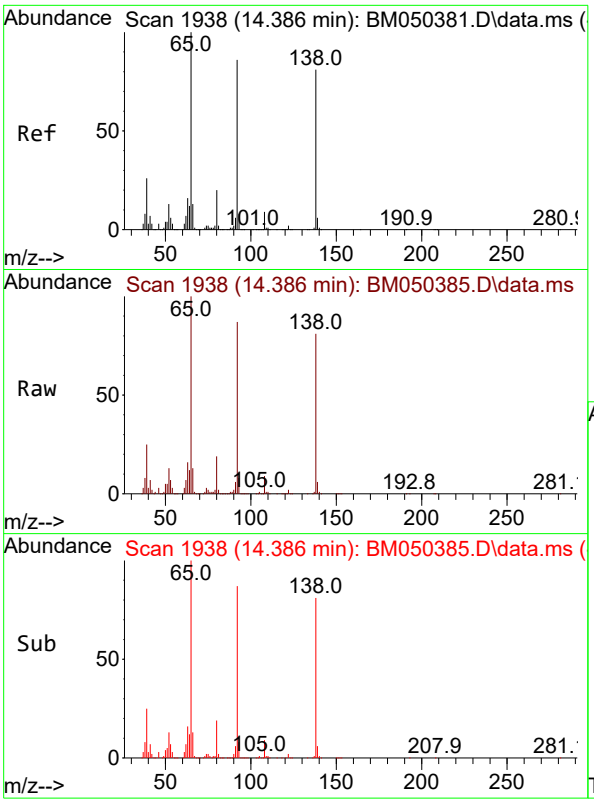



#52
Acenaphthene
Concen: 41.562 ng
RT: 14.557 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:154 Resp: 2381763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.1 | 89.2 | 133.8 |
| 152 | 53.5 | 42.6 | 64.0 |

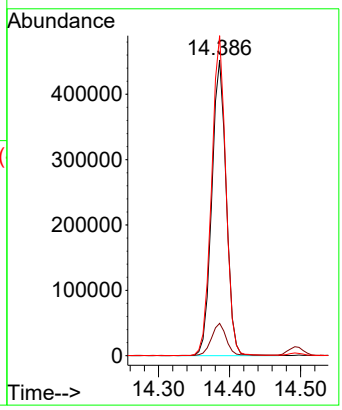





#53
3-Nitroaniline
Concen: 44.871 ng
RT: 14.386 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:138 Resp: 63601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.0 | 8.8 | 13.2 |
| 92 | 108.2 | 85.0 | 127.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

**Manual Integrations**
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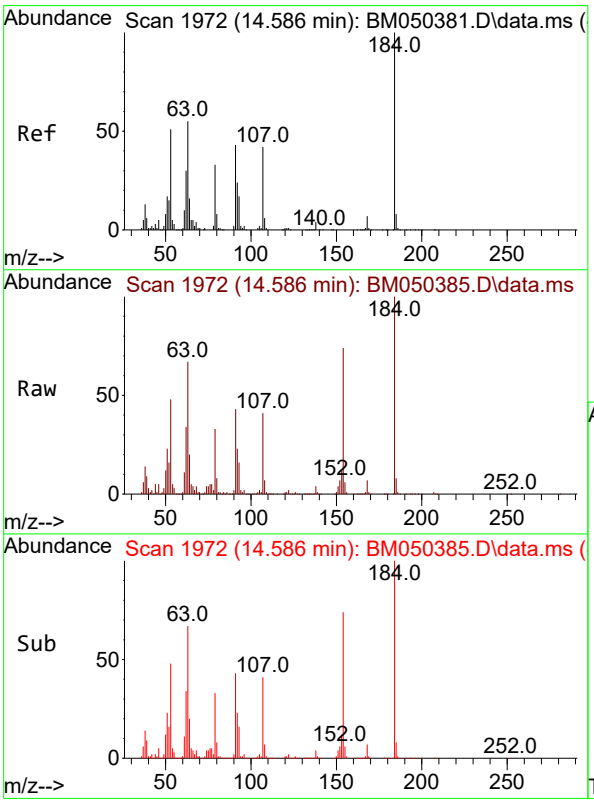
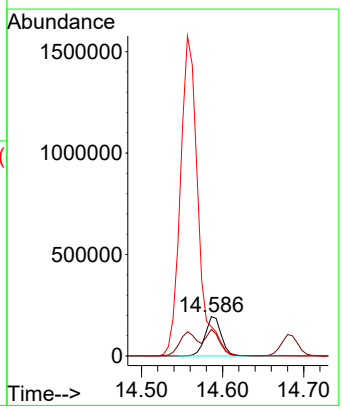
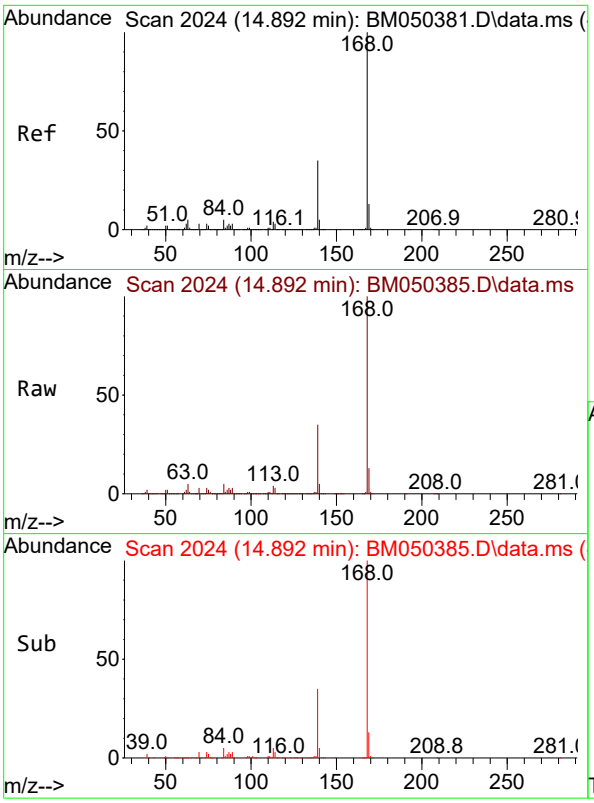



#54
2,4-Dinitrophenol
Concen: 39.797 ng
RT: 14.586 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:184 Resp: 266947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 67.3 | 53.4 | 80.0 |
| 154 | 74.3 | 61.6 | 92.4 |

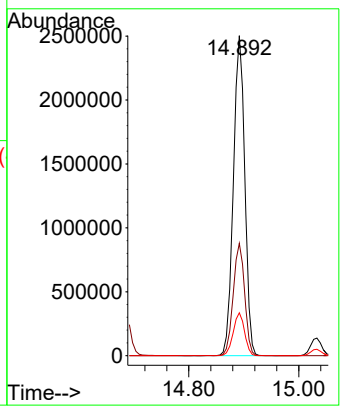





#55
Dibenzofuran
Concen: 40.877 ng
RT: 14.892 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:168 Resp: 360941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 35.1 | 27.7 | 41.5 |
| 169 | 13.4 | 10.7 | 16.1 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

**Manual Integrations**
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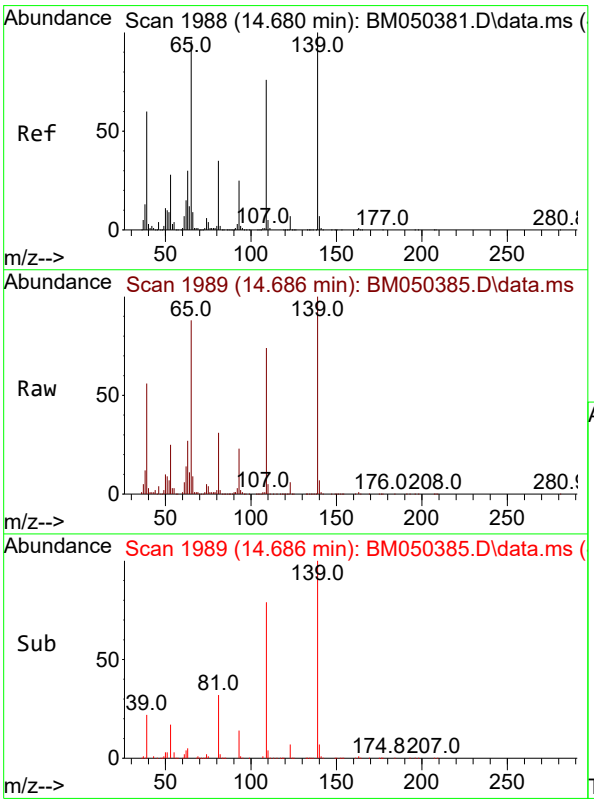
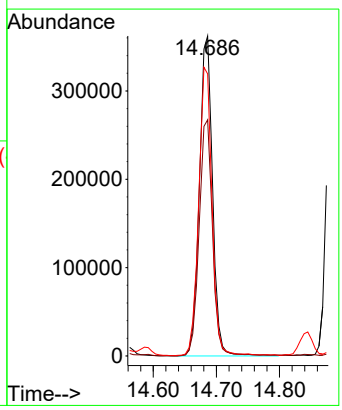
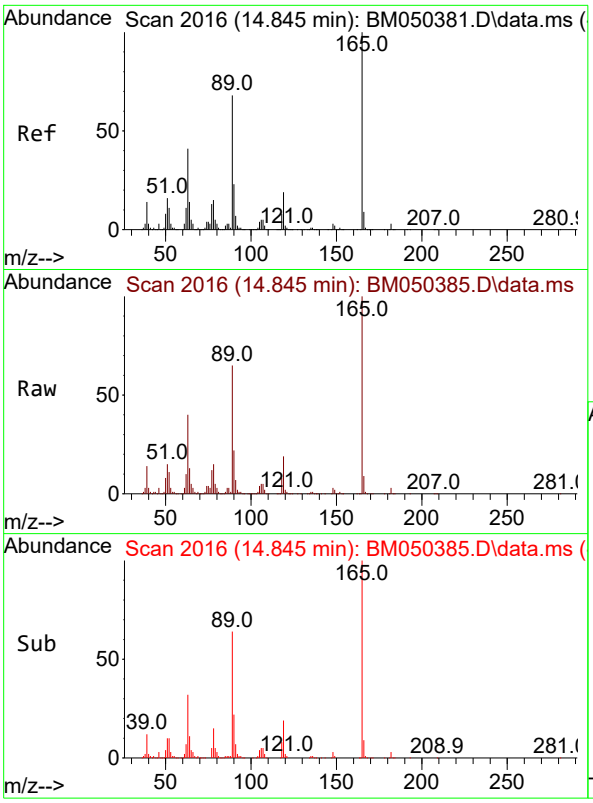



#56
4-Nitrophenol
Concen: 42.822 ng
RT: 14.686 min Scan# 1989
Delta R.T. 0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:139 Resp: 521977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 73.8 | 56.5 | 96.5 |
| 65 | 88.1 | 76.4 | 116.4 |

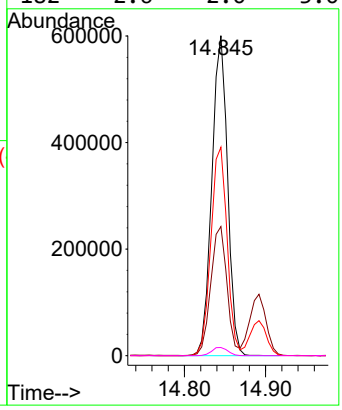





#57
2,4-Dinitrotoluene
Concen: 40.905 ng
RT: 14.845 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:165 Resp: 80763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 40.3 | 32.5 | 48.7 |
| 89 | 65.1 | 54.0 | 81.0 |
| 182 | 2.6 | 2.0 | 3.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

**Manual Integrations**
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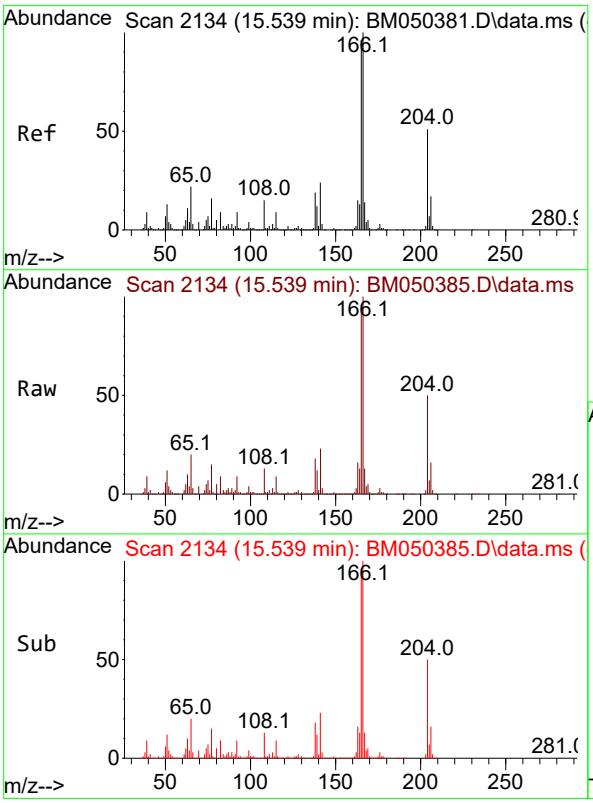
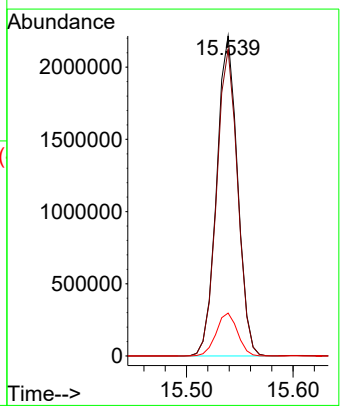
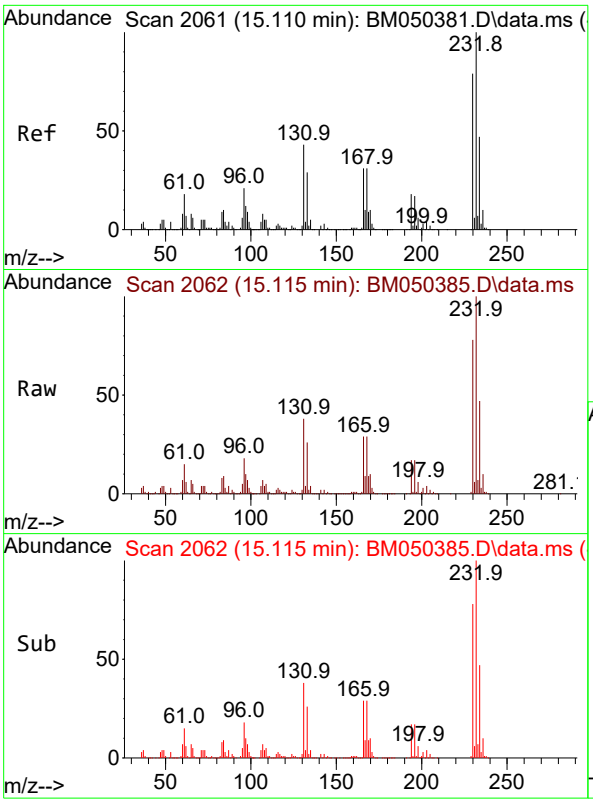



#58
Fluorene
Concen: 41.425 ng
RT: 15.539 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:166 Resp: 3012801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 95.8 | 77.0 | 115.6 |
| 167 | 13.4 | 10.9 | 16.3 |

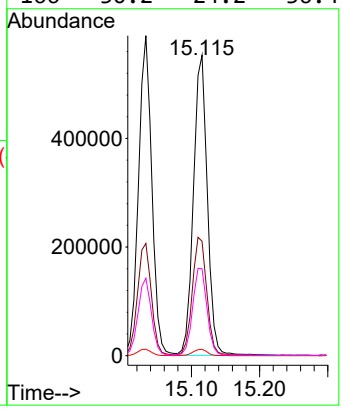





#59
2,3,4,6-Tetrachlorophenol
Concen: 43.229 ng
RT: 15.115 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:232 Resp: 78437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 41.1 | 33.4 | 50.0 |
| 130 | 2.2 | 1.8 | 2.6 |
| 166 | 30.2 | 24.2 | 36.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

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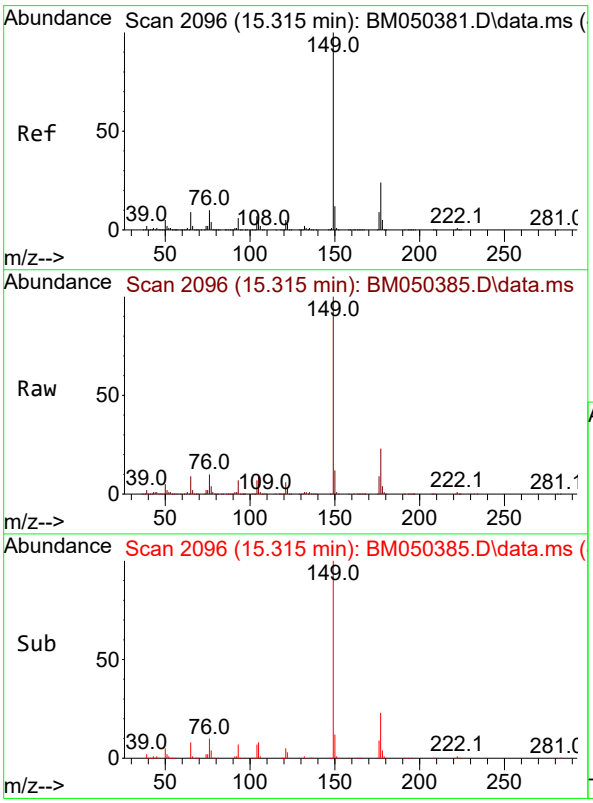
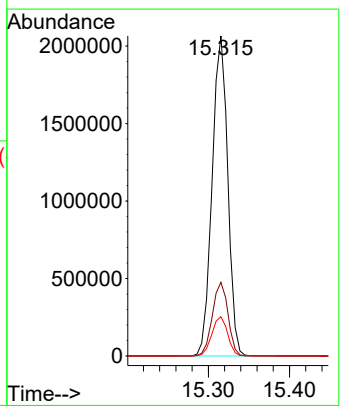
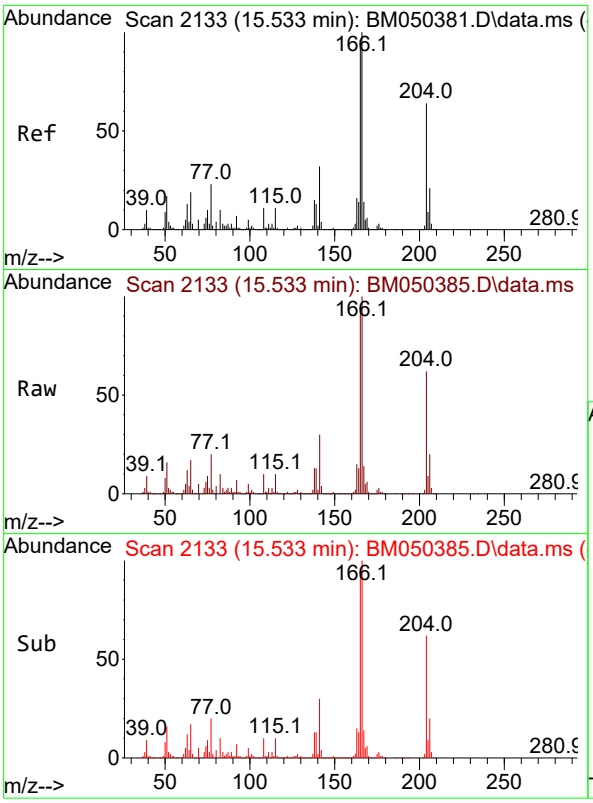



#60
Diethylphthalate
Concen: 41.609 ng
RT: 15.315 min Scan# 2096
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:149 Resp: 2759041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 23.0 | 18.8 | 28.2 |
| 150 | 12.2 | 9.8 | 14.8 |

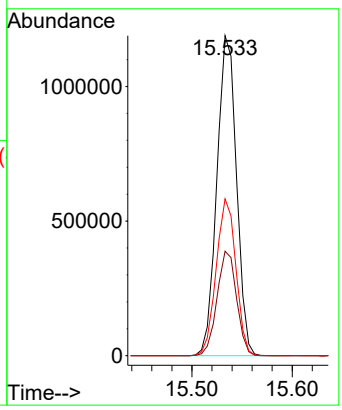





#61
4-Chlorophenyl-phenylether
Concen: 42.288 ng
RT: 15.533 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:204 Resp: 160820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.7 | 26.6 | 39.8 |
| 141 | 49.0 | 39.9 | 59.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

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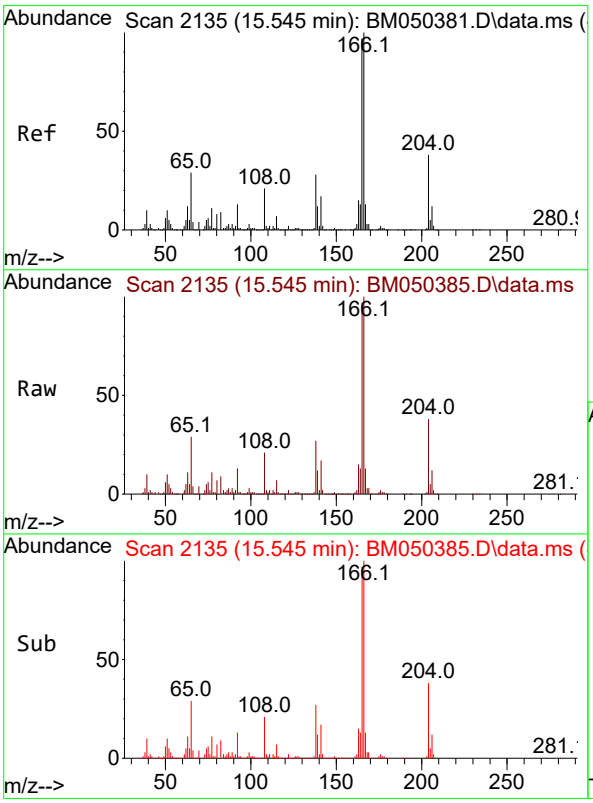
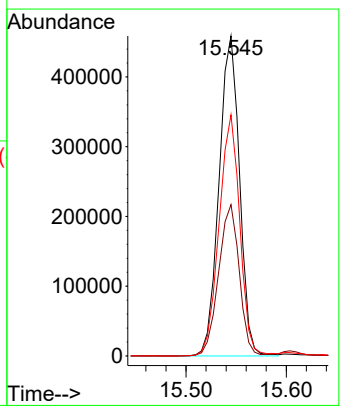
Supervised By :Jagrut Upadhyay 07/09/2025

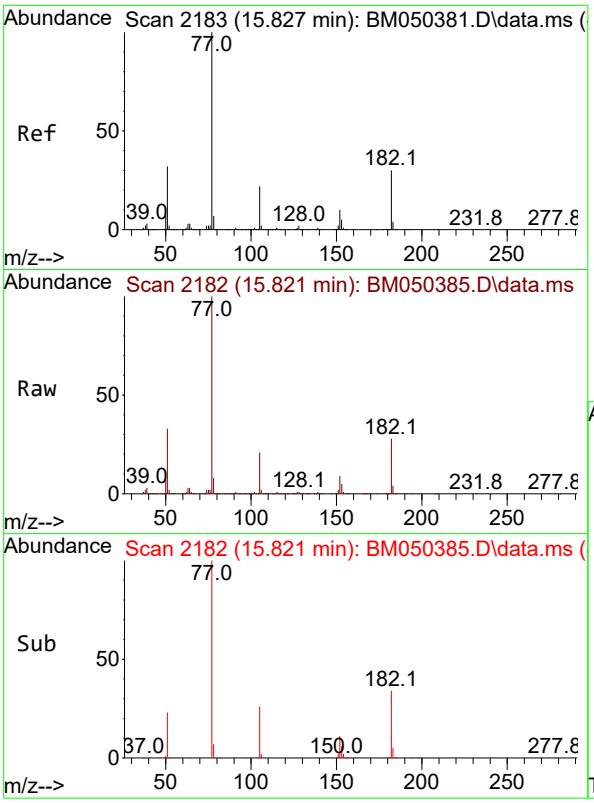



#62
4-Nitroaniline
Concen: 40.288 ng
RT: 15.545 min Scan# 2135
Delta R.T. -0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:138 Resp: 649355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 47.3 | 24.5 | 64.5 |
| 108 | 75.4 | 52.5 | 92.5 |

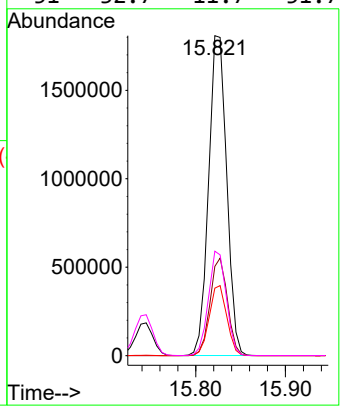





#63
Azobenzene
Concen: 41.531 ng
RT: 15.821 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion: 77 Resp: 252872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 27.9 | 10.0 | 50.0 |
| 105 | 21.1 | 2.0 | 42.0 |
| 51 | 32.7 | 11.7 | 51.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

**Manual Integrations**
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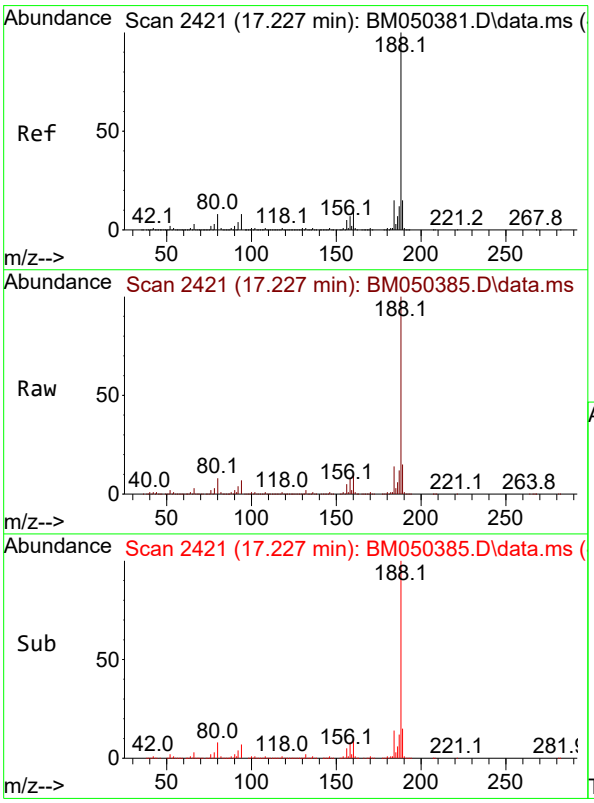
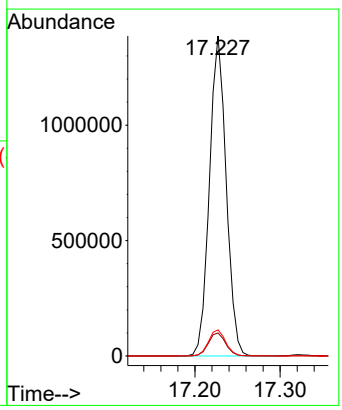
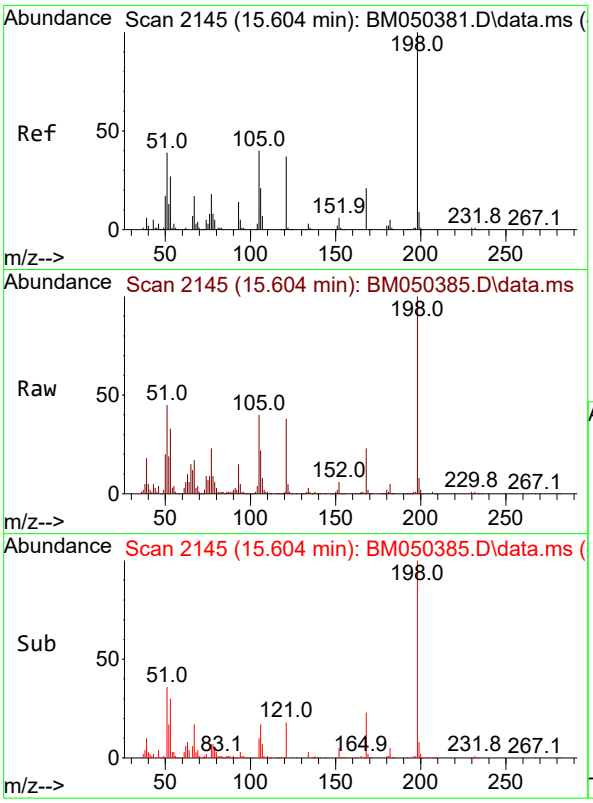



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2421
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:188 Resp: 1898481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.2 | 6.0 | 9.0 |
| 80 | 8.2 | 6.5 | 9.7 |

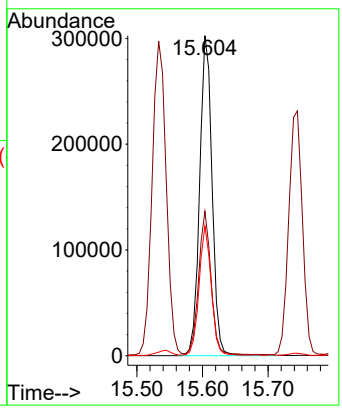





#65
4,6-Dinitro-2-methylphenol
Concen: 40.334 ng
RT: 15.604 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:198 Resp: 399918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 45.1 | 26.6 | 66.6 |
| 105 | 40.5 | 20.9 | 60.9 |




**Instrument :**
BNA_M
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ICVBM070925

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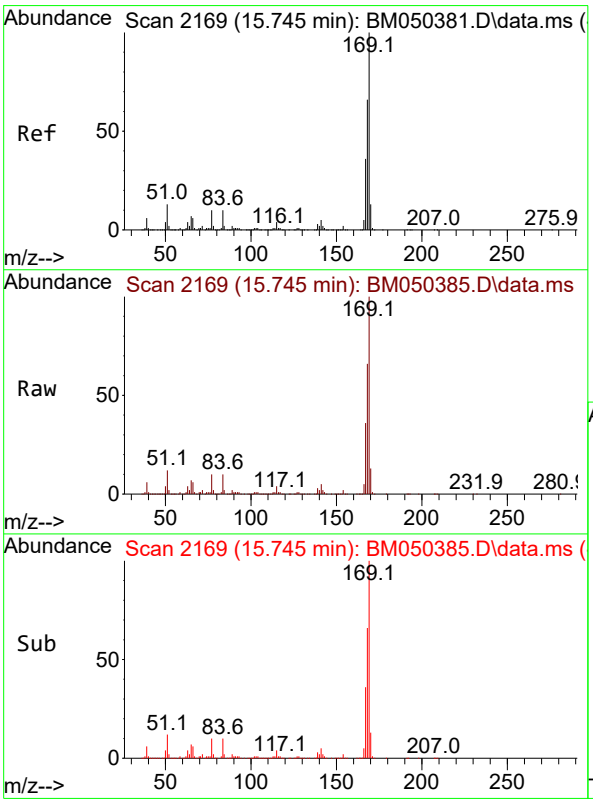
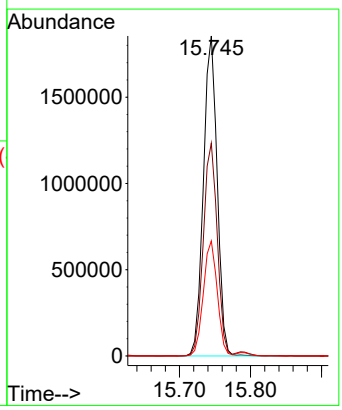
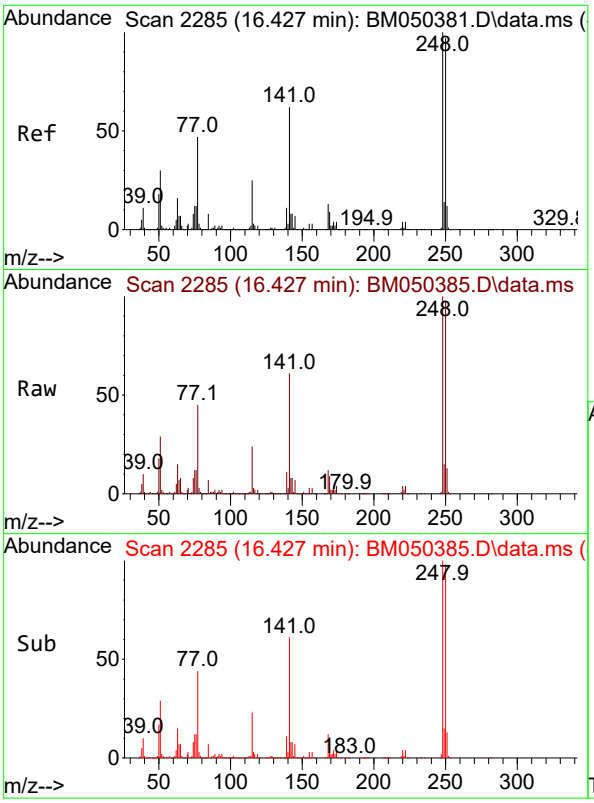



#66
n-Nitrosodiphenylamine
Concen: 42.198 ng
RT: 15.745 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:169 Resp: 2506809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.5 | 53.2 | 79.8 |
| 167 | 36.0 | 28.7 | 43.1 |

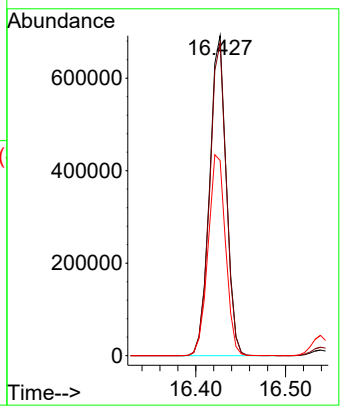





#67
4-Bromophenyl-phenylether
Concen: 42.755 ng
RT: 16.427 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:248 Resp: 89431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.7 | 77.9 | 116.9 |
| 141 | 61.0 | 49.7 | 74.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

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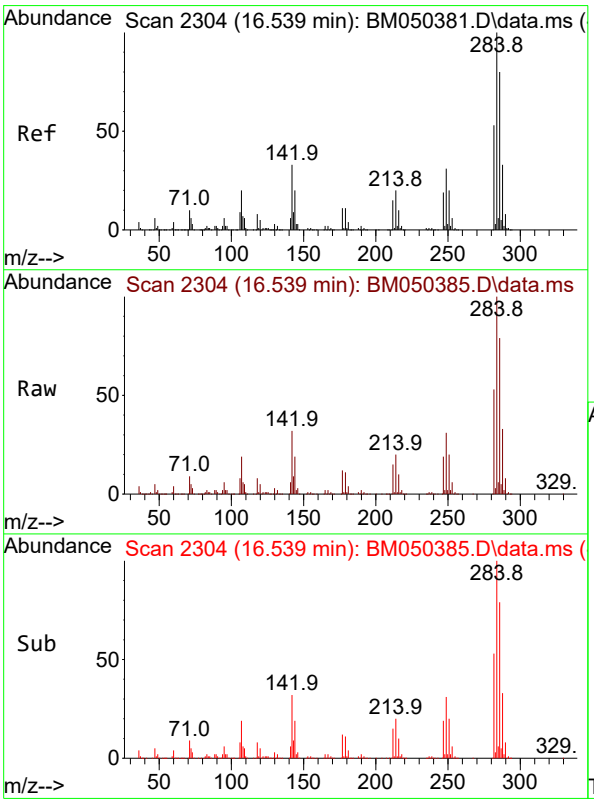
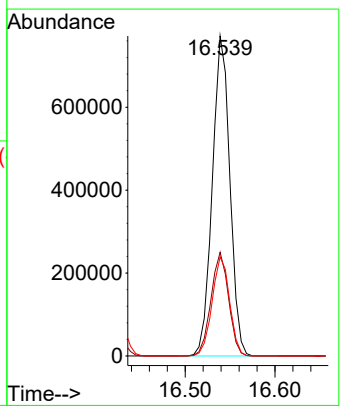
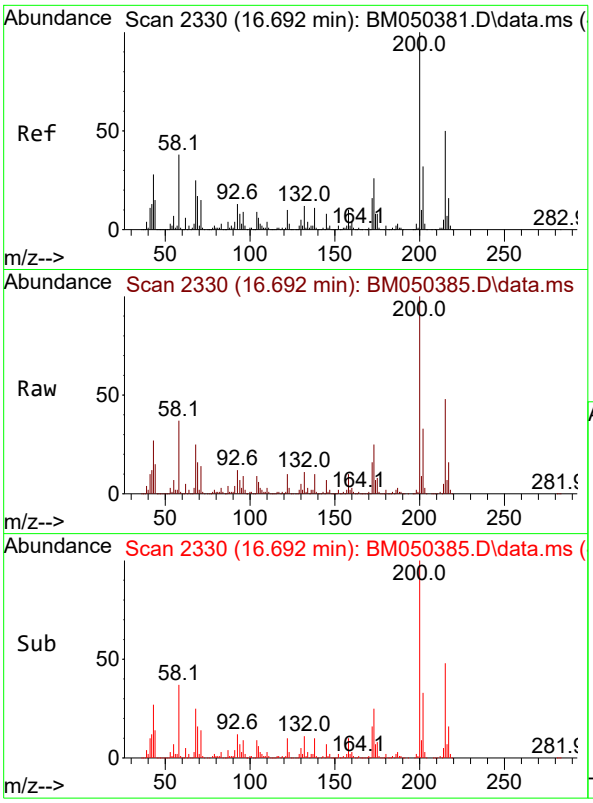



#68
Hexachlorobenzene
Concen: 42.380 ng
RT: 16.539 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:284 Resp: 1046980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.4 | 26.8 | 40.2 |
| 249 | 31.0 | 24.5 | 36.7 |

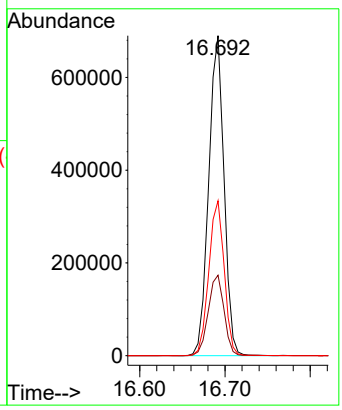





#69
Atrazine
Concen: 44.212 ng
RT: 16.692 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:200 Resp: 86245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.2 | 5.6 | 45.6 |
| 215 | 48.4 | 29.6 | 69.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

**Manual Integrations**
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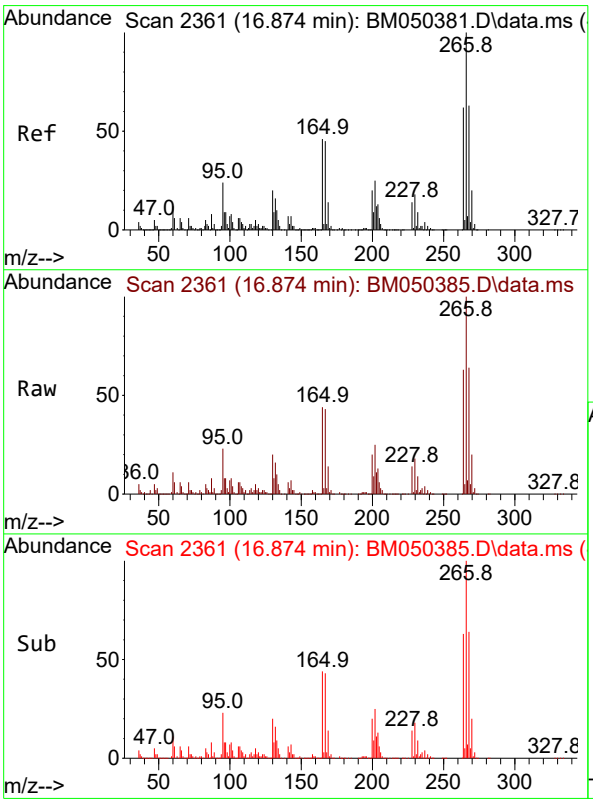
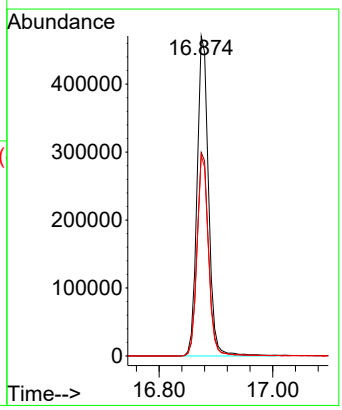
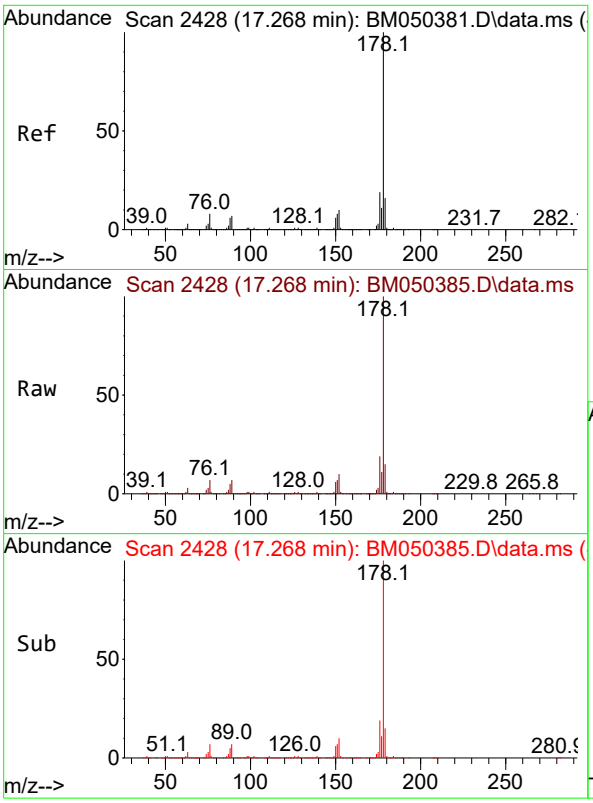



#70
Pentachlorophenol
Concen: 43.075 ng
RT: 16.874 min Scan# 2361
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:266 Resp: 662449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.6 | 50.5 | 75.7 |
| 264 | 62.6 | 49.9 | 74.9 |

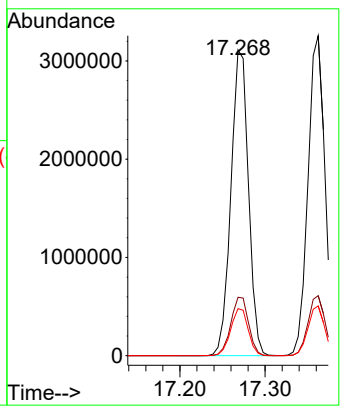





#71
Phenanthrene
Concen: 41.373 ng
RT: 17.268 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:178 Resp: 444461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 15.4 | 23.0 |
| 179 | 15.4 | 12.5 | 18.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

**Manual Integrations**
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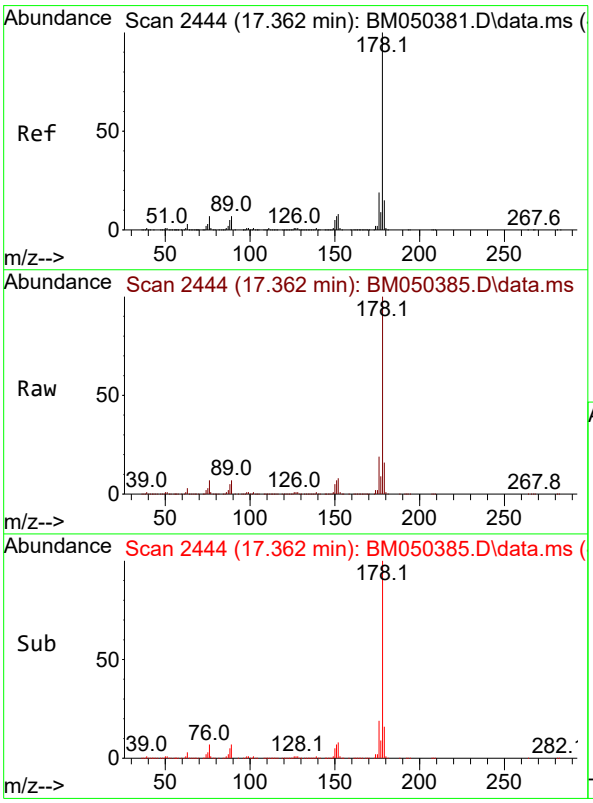
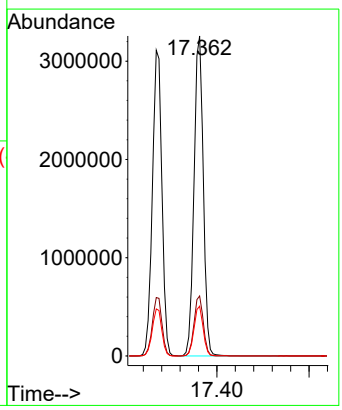
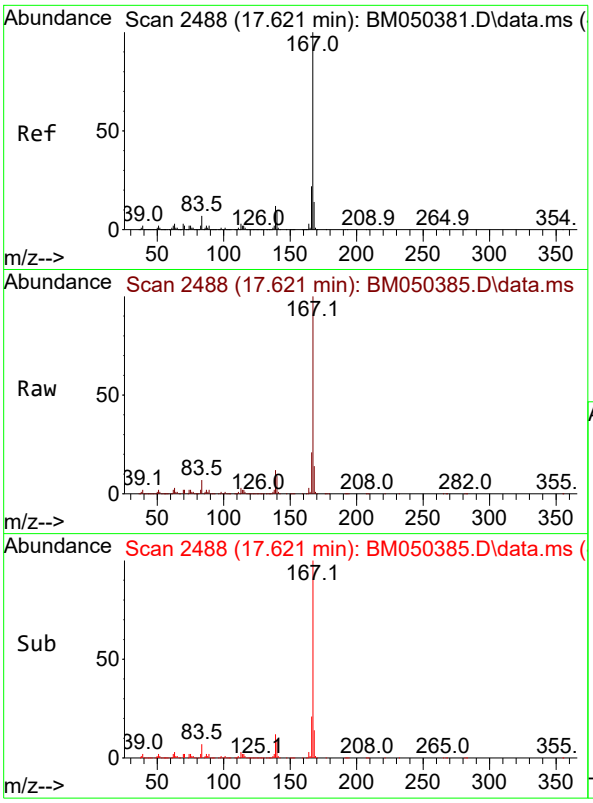



#72
Anthracene
Concen: 42.316 ng
RT: 17.362 min Scan# 2444
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:178 Resp: 4525011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 14.9 | 22.3 |
| 179 | 15.5 | 12.2 | 18.4 |

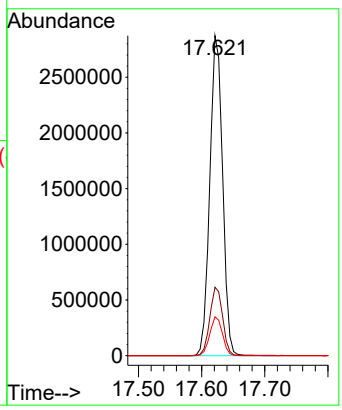





#73
Carbazole
Concen: 41.806 ng
RT: 17.621 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:167 Resp: 404497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.4 | 17.2 | 25.8 |
| 139 | 12.2 | 9.9 | 14.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

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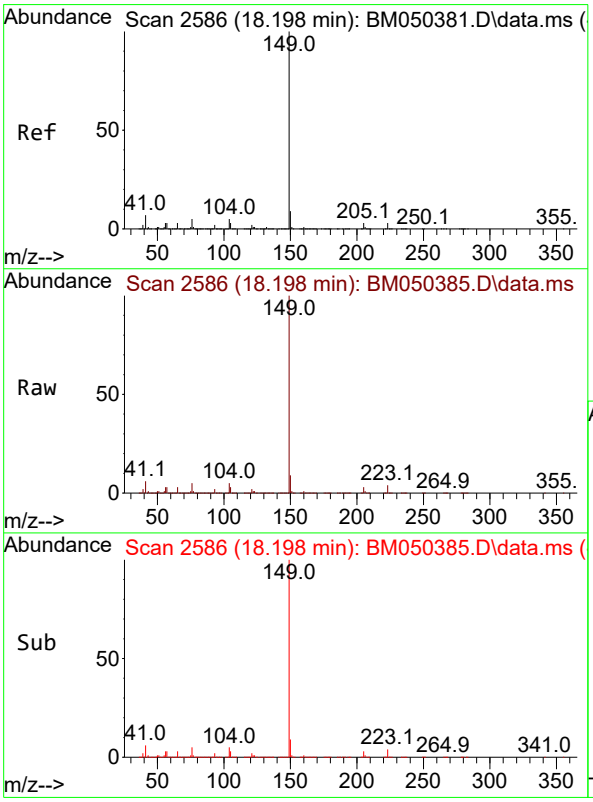
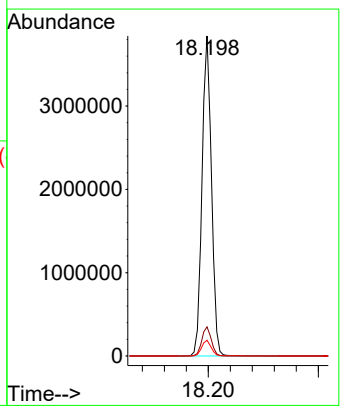
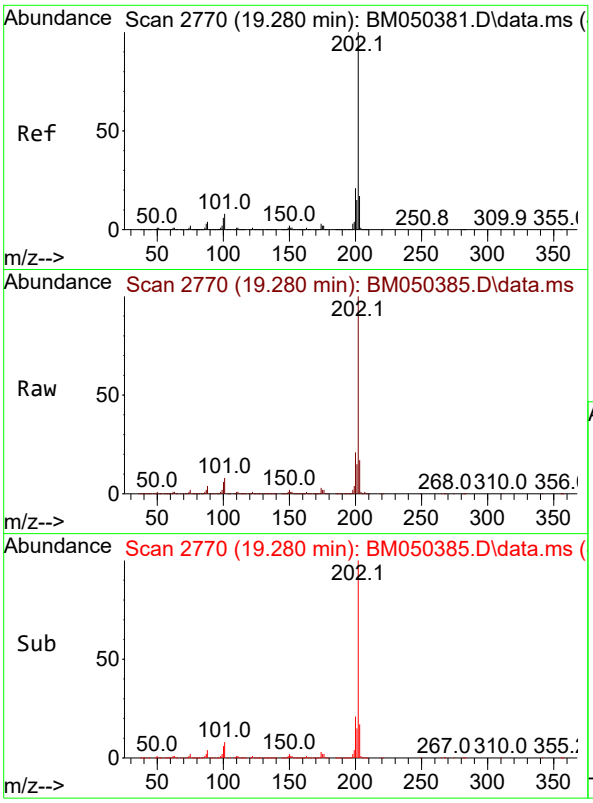



#74
Di-n-butylphthalate
Concen: 43.247 ng
RT: 18.198 min Scan# 2586
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:149 Resp: 4579991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.3 | 10.9 |
| 104 | 4.9 | 3.9 | 5.9 |

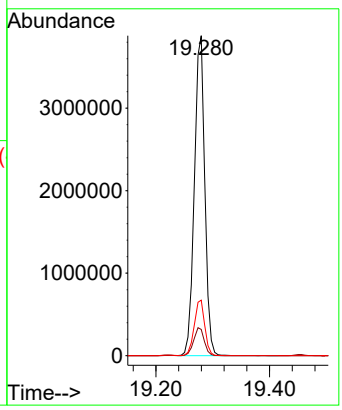





#75
Fluoranthene
Concen: 42.474 ng
RT: 19.280 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:202 Resp: 496036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.2 | 0.0 | 28.3 |
| 203 | 17.4 | 0.0 | 37.2 |




**Instrument :**
BNA_M
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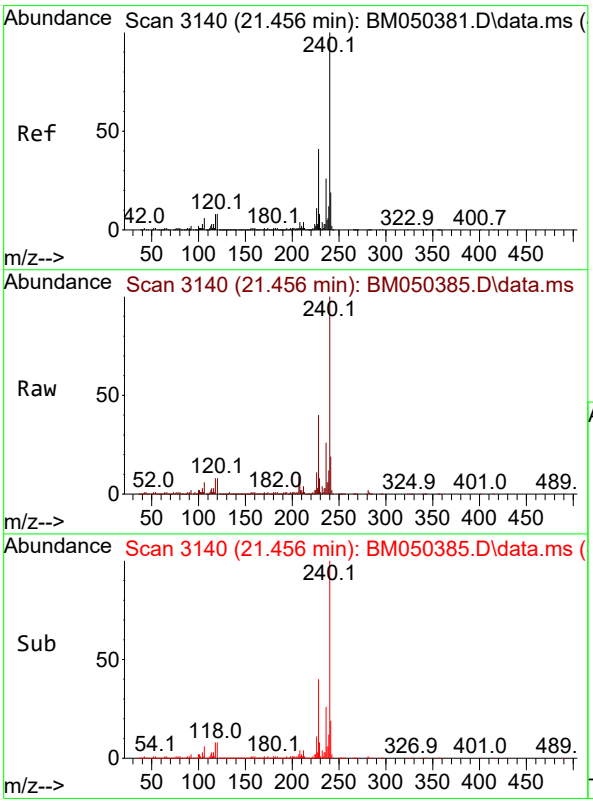
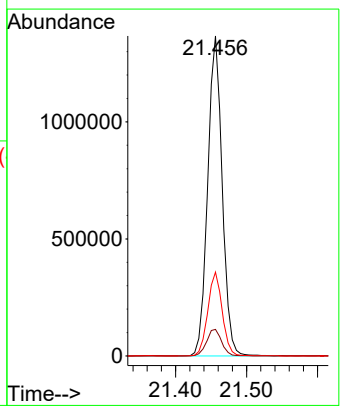
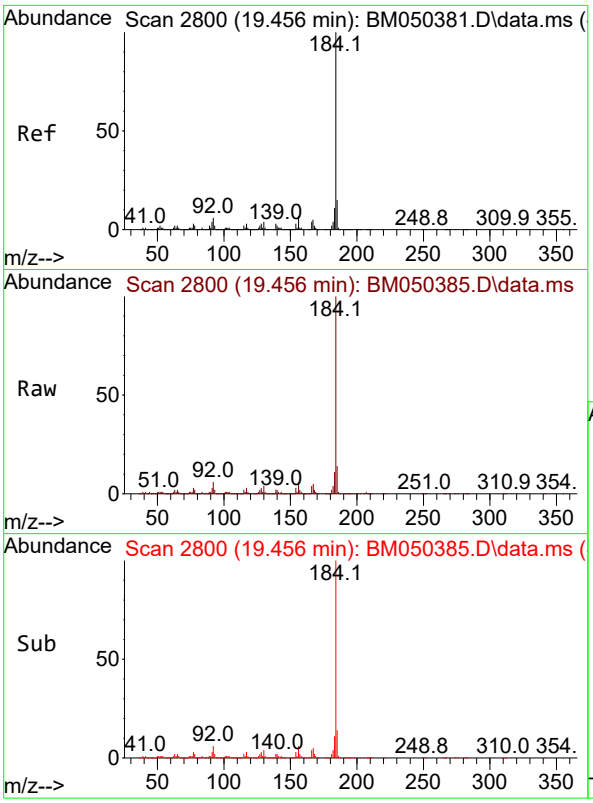



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.456 min Scan# 3140
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:240 Resp: 1940016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.3 | 6.7 | 10.1 |
| 236 | 26.2 | 20.7 | 31.1 |

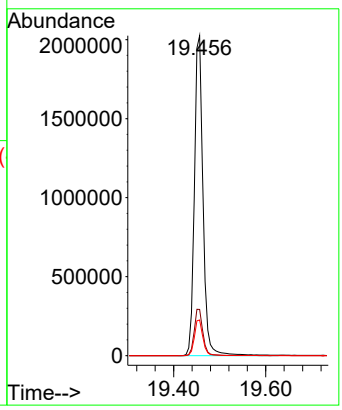





#77
Benzidine
Concen: 53.050 ng
RT: 19.456 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:184 Resp: 262505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.4 | 11.7 | 17.5 |
| 183 | 11.2 | 9.0 | 13.6 |




**Instrument :**
BNA_M
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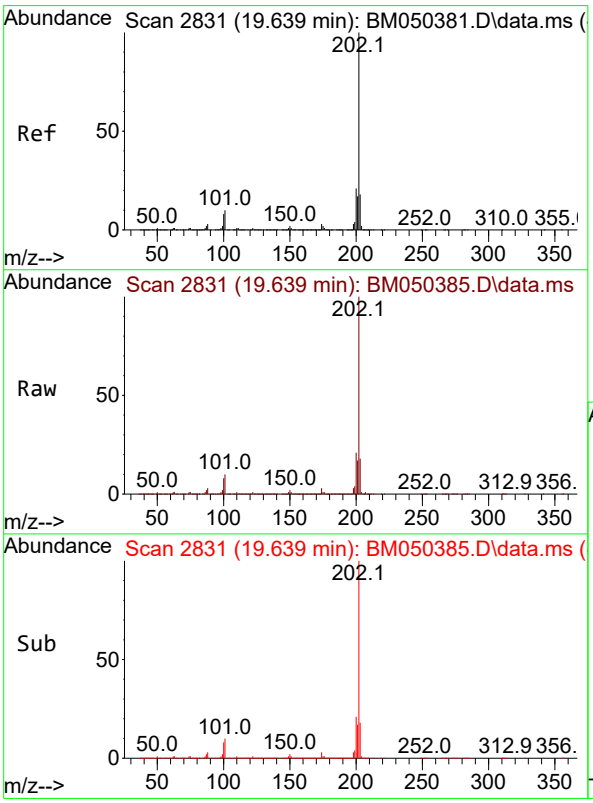
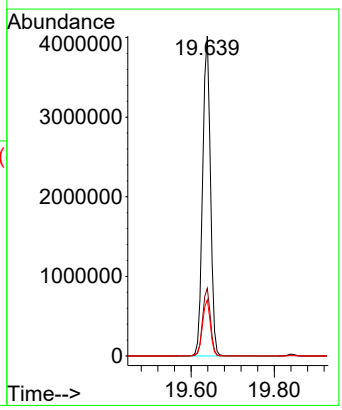
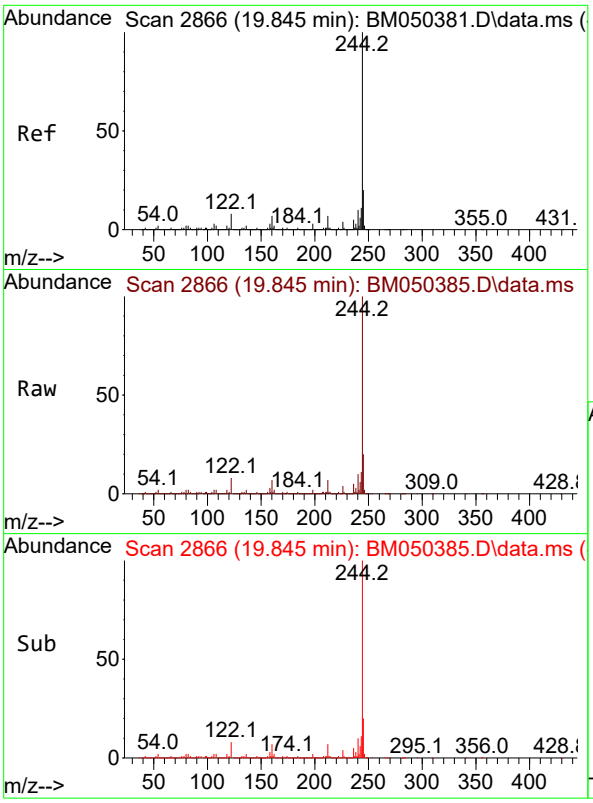



#78
Pyrene
Concen: 42.257 ng
RT: 19.639 min Scan# 2831
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:202 Resp: 5250364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 16.9 | 25.3 |
| 203 | 17.5 | 14.1 | 21.1 |

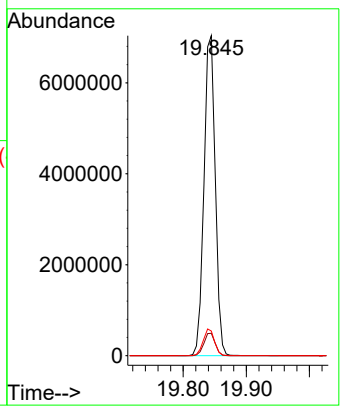





#79
Terphenyl-d14
Concen: 79.145 ng
RT: 19.845 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:244 Resp: 872673

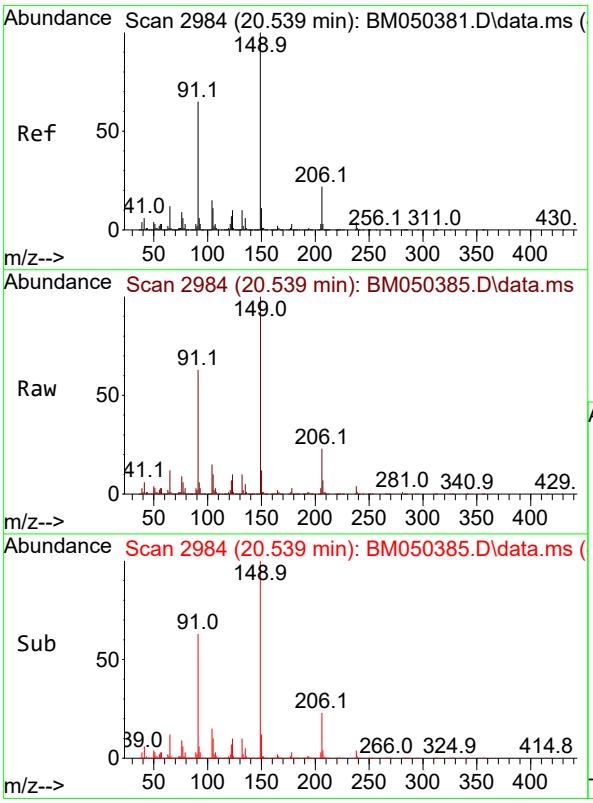
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.7 | 8.5 |
| 122 | 7.7 | 6.2 | 9.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

**Manual Integrations**
**APPROVED**

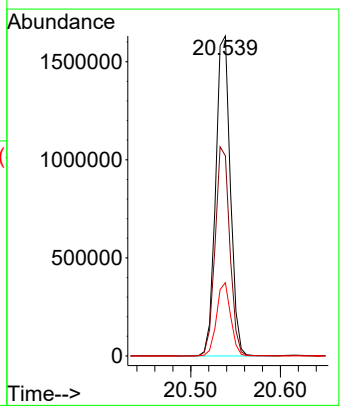
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

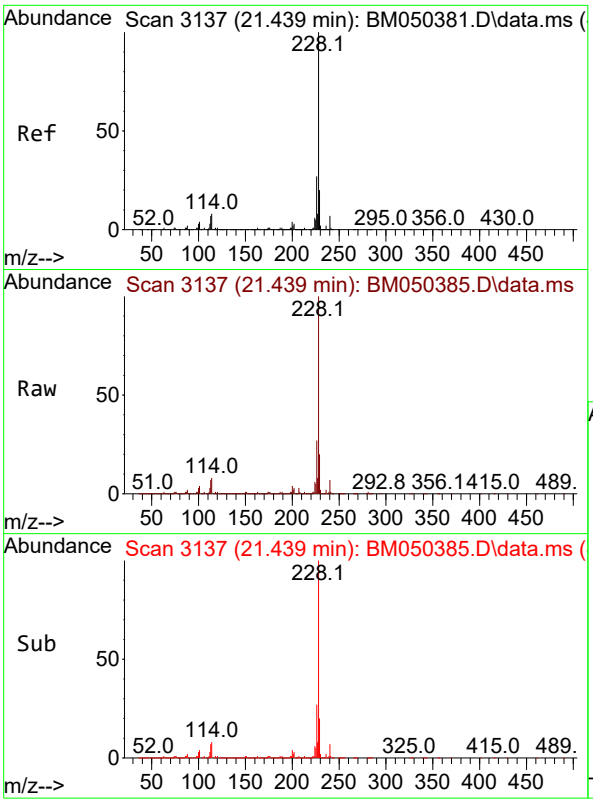



#80
Butylbenzylphthalate
Concen: 45.139 ng
RT: 20.539 min Scan# 2984
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:149 Resp: 1849278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 62.6 | 51.6 | 77.4 |
| 206 | 22.9 | 17.8 | 26.8 |






#81
Benzo(a)anthracene
Concen: 42.109 ng
RT: 21.439 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:228 Resp: 532277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.3 | 21.8 | 32.8 |
| 229 | 19.6 | 16.0 | 24.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

**Manual Integrations**
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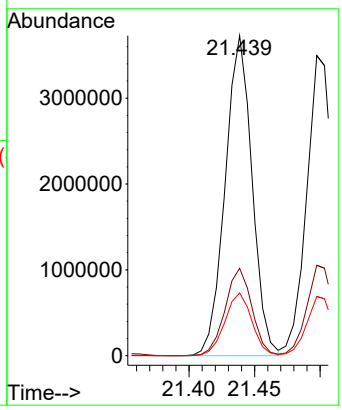
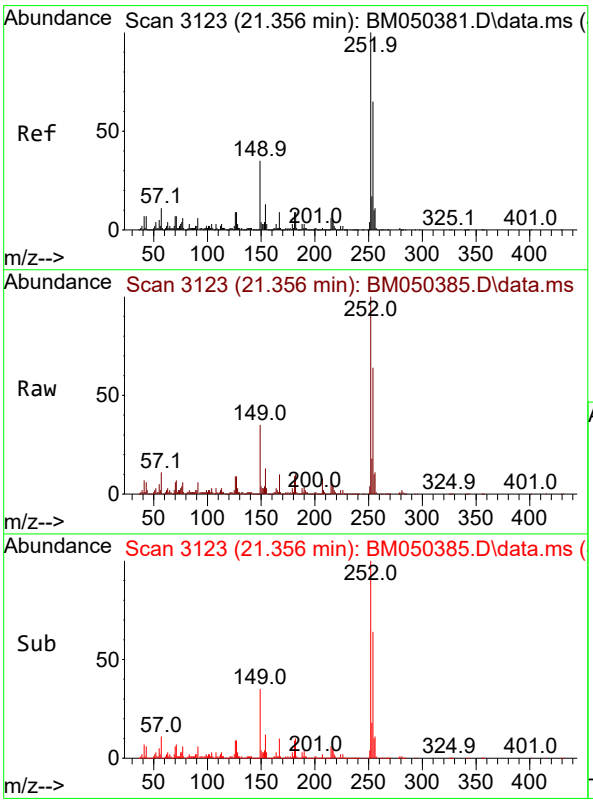
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

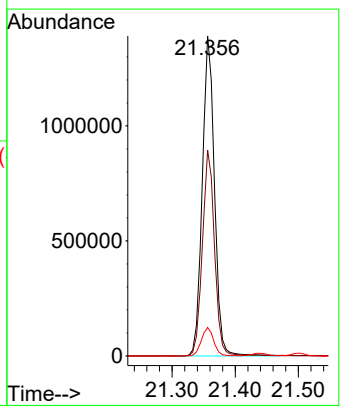


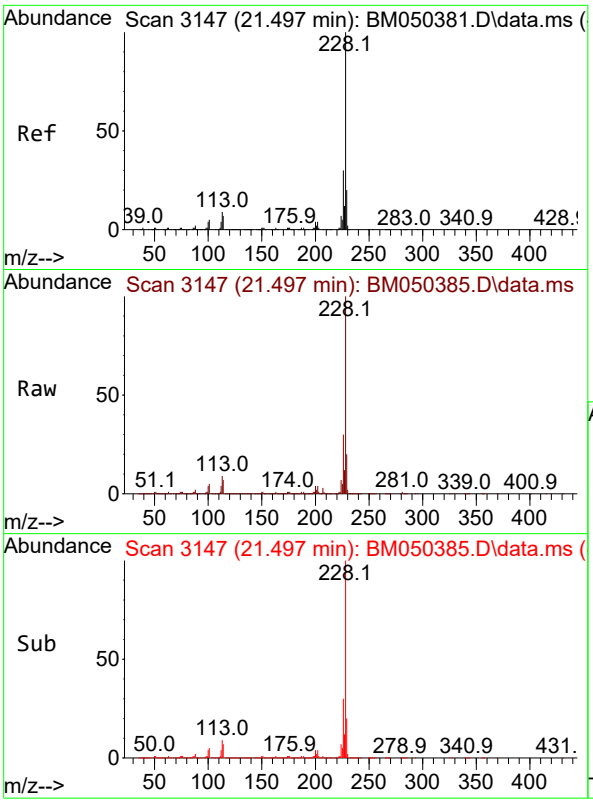




#82
3,3'-Dichlorobenzidine
Concen: 43.733 ng
RT: 21.356 min Scan# 3123
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:252 Resp: 1864267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.4 | 51.7 | 77.5 |
| 126 | 8.9 | 7.3 | 10.9 |

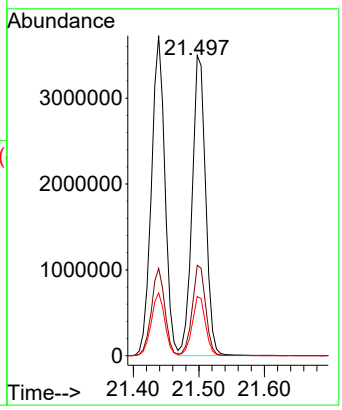





#83
Chrysene
Concen: 41.924 ng
RT: 21.497 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:228 Resp: 499850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 24.2 | 36.4 |
| 229 | 19.8 | 15.8 | 23.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

**Manual Integrations**
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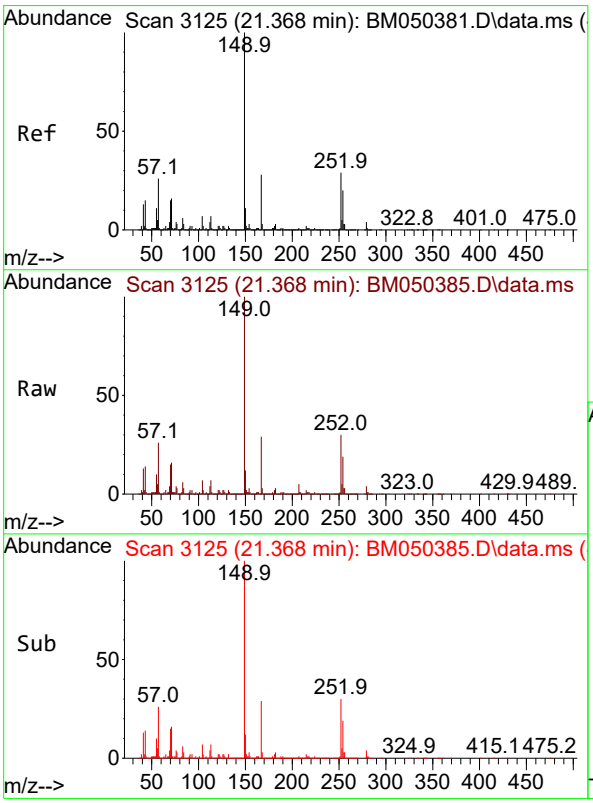
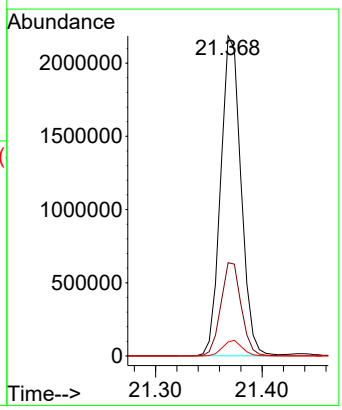
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

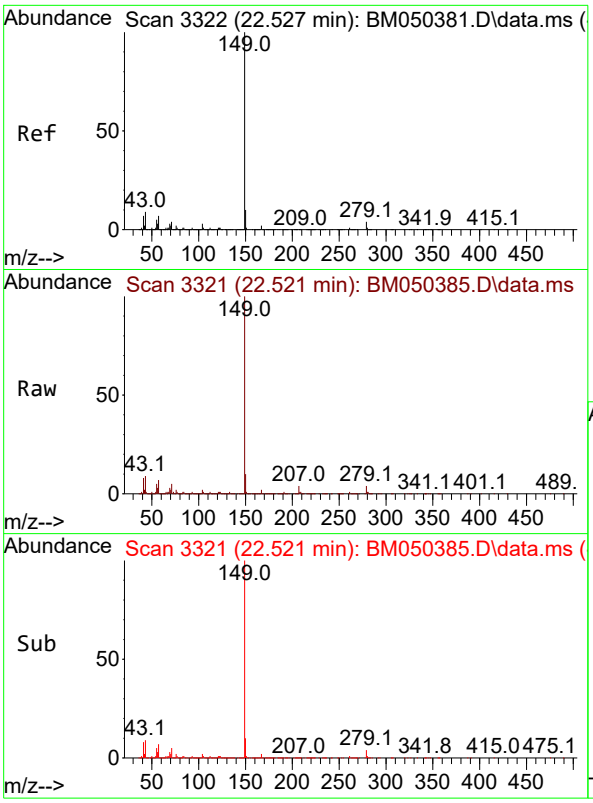



#84
Bis(2-ethylhexyl)phthalate
Concen: 44.481 ng
RT: 21.368 min Scan# 3125
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:149 Resp: 2892877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 29.2 | 22.7 | 34.1 |
| 279 | 4.4 | 3.5 | 5.3 |

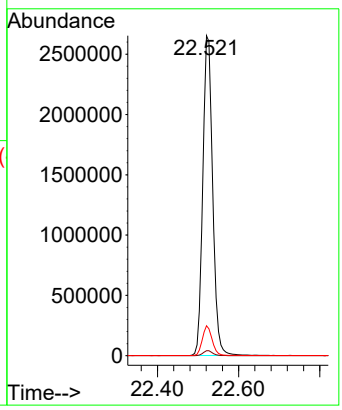





#85
Di-n-octyl phthalate
Concen: 43.760 ng
RT: 22.521 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:149 Resp: 445744

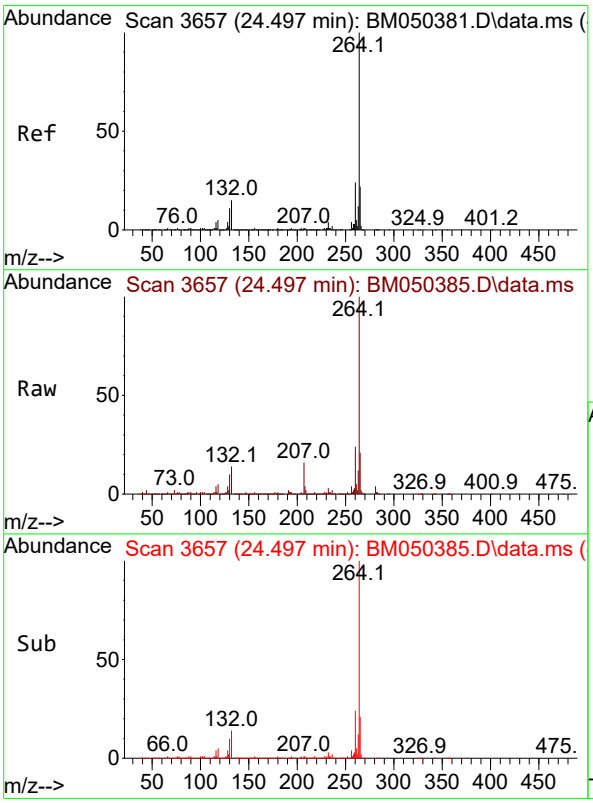
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 9.3 | 7.7 | 11.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

**Manual Integrations**
**APPROVED**

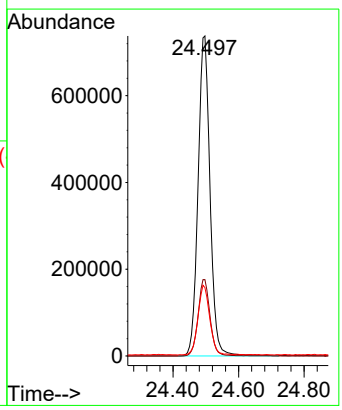
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

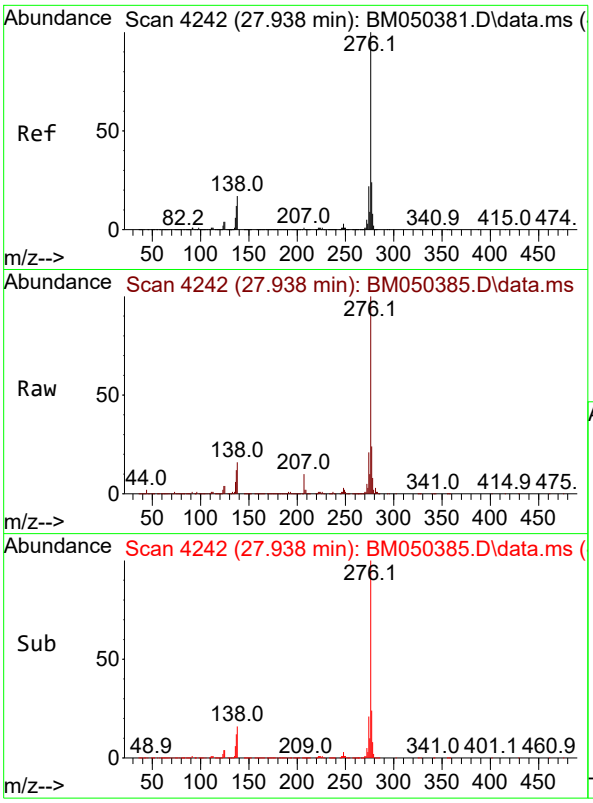



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.497 min Scan# 3657
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:264 Resp: 1874427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 19.2 | 28.8 |
| 265 | 21.4 | 17.8 | 26.6 |

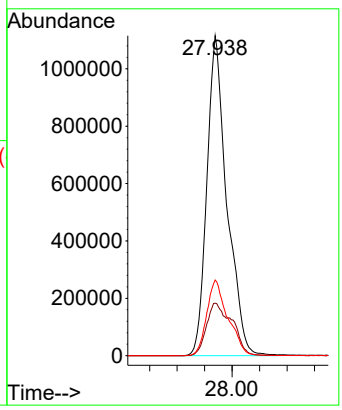





#87
Indeno(1,2,3-cd)pyrene
Concen: 42.377 ng
RT: 27.938 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:276 Resp: 564762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.1 | 17.0 | 25.6 |
| 277 | 25.0 | 20.0 | 30.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

**Manual Integrations**
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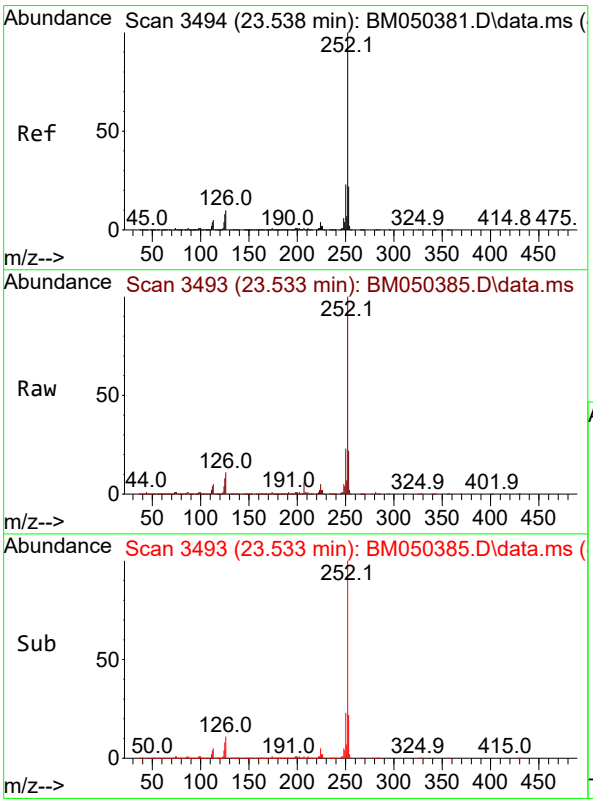
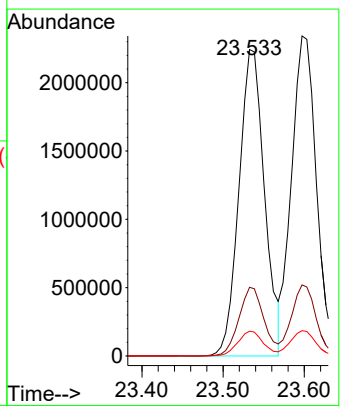
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

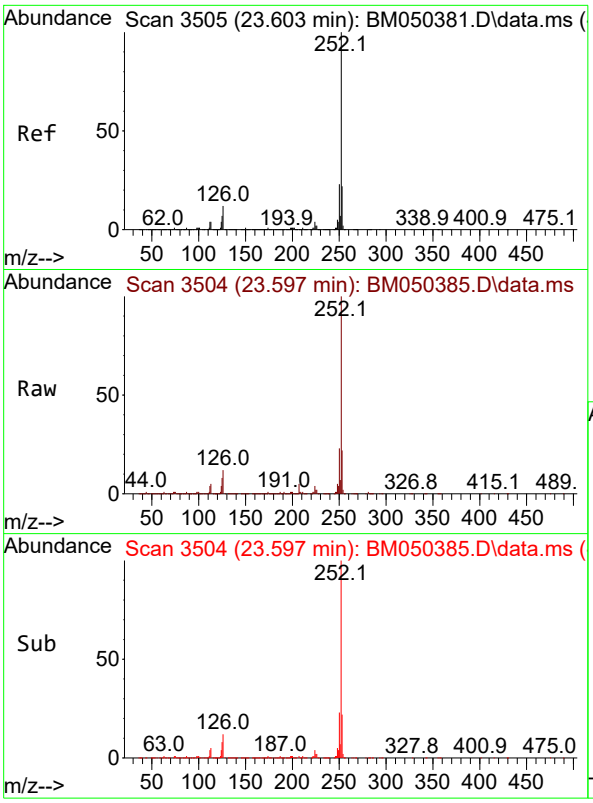



#88
Benzo(b)fluoranthene
Concen: 42.558 ng
RT: 23.533 min Scan# 3493
Delta R.T. -0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:252 Resp: 4906807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 17.8 | 26.6 |
| 125 | 8.1 | 6.3 | 9.5 |

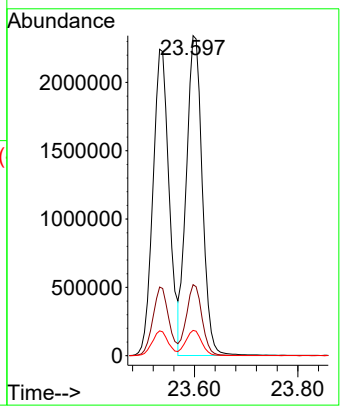





#89
Benzo(k)fluoranthene
Concen: 41.883 ng
RT: 23.597 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:252 Resp: 501069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.6 | 26.4 |
| 125 | 7.9 | 6.2 | 9.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

**Manual Integrations**
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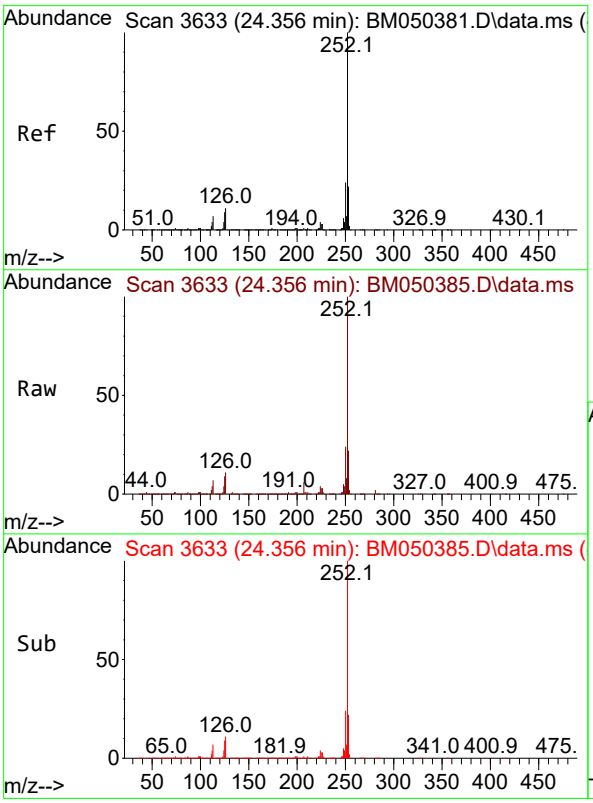
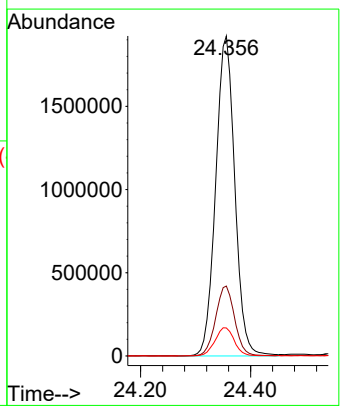
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

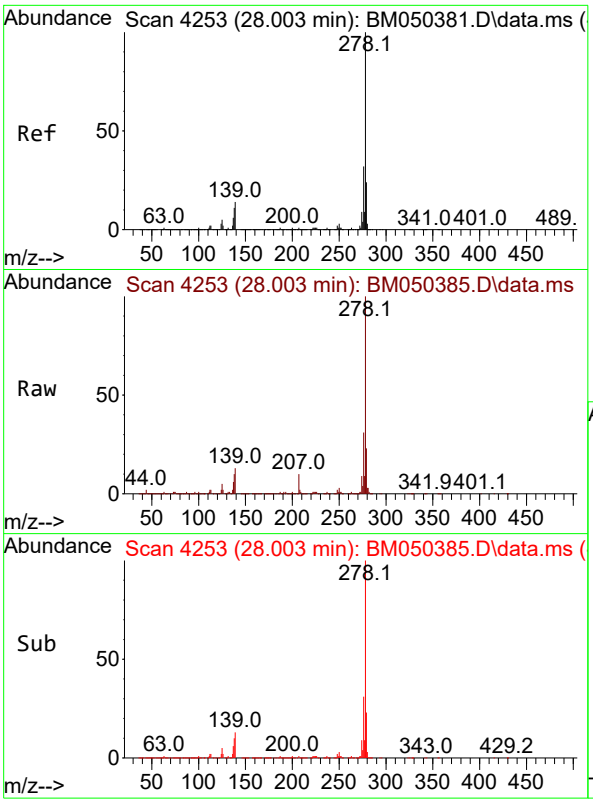



#90
Benzo(a)pyrene
Concen: 42.933 ng
RT: 24.356 min Scan# 3633
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:252 Resp: 4633762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.8 | 26.6 |
| 125 | 8.8 | 7.0 | 10.4 |

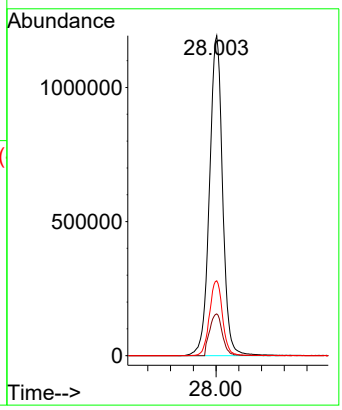





#91
Dibenzo(a,h)anthracene
Concen: 42.521 ng
RT: 28.003 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:278 Resp: 477247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.1 | 10.8 | 16.2 |
| 279 | 23.4 | 19.4 | 29.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

**Manual Integrations**
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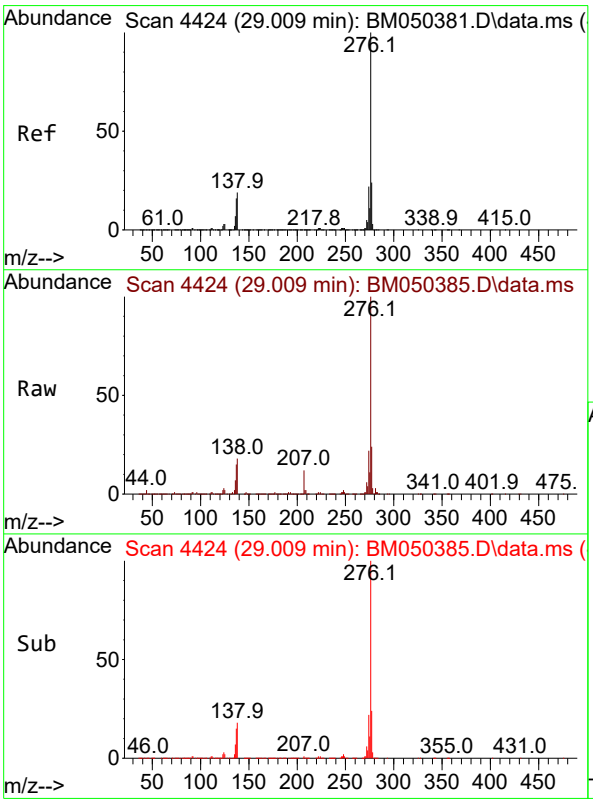
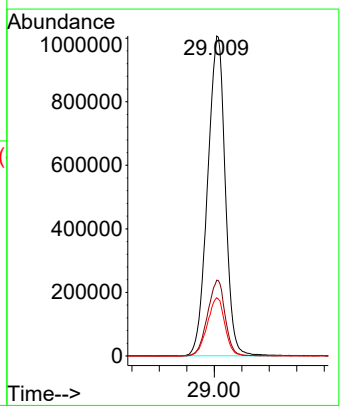
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025




#92
Benzo(g,h,i)perylene
Concen: 42.197 ng
RT: 29.009 min Scan# 4424
Delta R.T. 0.000 min
Lab File: BM050385.D
Acq: 08 Jul 2025 18:05

Tgt Ion:276 Resp: 4476118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 19.1 | 28.7 |
| 138 | 18.2 | 14.9 | 22.3 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 2 | | 1,4-Dioxane | 0.478 | 0.454 | 5.0 | 102 | 0.00 |
| 3 | | Pyridine | 1.254 | 1.289 | -2.8 | 109 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.585 | 0.597 | -2.1 | 108 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.162 | 1.160 | 0.2 | 104 | 0.00 |
| 6 | | Aniline | 1.880 | 2.000 | -6.4 | 110 | 0.00 |
| 7 | S | Phenol-d6 | 1.465 | 1.477 | -0.8 | 104 | 0.00 |
| 8 | | 2-Chlorophenol | 1.225 | 1.315 | -7.3 | 112 | 0.00 |
| 9 | | Benzaldehyde | 0.871 | 0.988 | -13.4 | 114 | 0.00 |
| 10 | C | Phenol | 1.528 | 1.608 | -5.2 | 111 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.223 | 1.292 | -5.6 | 112 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.490 | 1.559 | -4.6 | 112 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.521 | 1.582 | -4.0 | 112 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.456 | 1.510 | -3.7 | 111 | 0.00 |
| 15 | | Benzyl Alcohol | 1.032 | 1.098 | -6.4 | 111 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.802 | 1.851 | -2.7 | 110 | 0.00 |
| 17 | | 2-Methylphenol | 0.991 | 1.058 | -6.8 | 111 | 0.00 |
| 18 | | Hexachloroethane | 0.535 | 0.560 | -4.7 | 112 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.887 | 0.980 | -10.5 | 111 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.330 | 1.406 | -5.7 | 110 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 22 | | Acetophenone | 0.500 | 0.529 | -5.8 | 112 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.392 | 0.358 | 8.7 | 95 | 0.00 |
| 24 | | Nitrobenzene | 0.350 | 0.366 | -4.6 | 110 | 0.00 |
| 25 | | Isophorone | 0.636 | 0.682 | -7.2 | 111 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.143 | 0.166 | -16.1 | 117 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.303 | 0.322 | -6.3 | 112 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.422 | 0.441 | -4.5 | 110 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.312 | 0.336 | -7.7 | 112 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.373 | 0.392 | -5.1 | 112 | 0.00 |
| 31 | | Naphthalene | 1.016 | 1.048 | -3.1 | 110 | 0.00 |
| 32 | | Benzoic acid | 0.165 | 0.191 | -15.8 | 121 | 0.00 |
| 33 | | 4-Chloroaniline | 0.429 | 0.455 | -6.1 | 110 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.228 | 0.241 | -5.7 | 113 | 0.00 |
| 35 | | Caprolactam | 0.085 | 0.092 | -8.2 | 110 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.291 | 0.315 | -8.2 | 111 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.641 | 0.684 | -6.7 | 112 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.679 | 0.718 | -5.7 | 111 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.636 | 0.681 | -7.1 | 114 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.407 | 0.437 | -7.4 | 115 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.243 | 0.255 | -4.9 | 107 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.391 | 0.426 | -9.0 | 113 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.428 | 0.465 | -8.6 | 113 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.620 | 1.431 | 11.7 | 94 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.484 | 1.542 | -3.9 | 112 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.183 | 1.221 | -3.2 | 111 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.264 | 0.294 | -11.4 | 110 | 0.00 |
| 49 | | Acenaphthylene | 1.788 | 1.876 | -4.9 | 110 | 0.00 |
| 50 | | Dimethylphthalate | 1.377 | 1.433 | -4.1 | 111 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.264 | 0.293 | -11.0 | 112 | 0.00 |
| 52 | C | Acenaphthene | 1.137 | 1.181 | -3.9 | 111 | 0.00 |
| 53 | | 3-Nitroaniline | 0.281 | 0.315 | -12.1 | 112 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.121 | 0.132 | -9.1 | 118 | 0.00 |
| 55 | | Dibenzofuran | 1.751 | 1.790 | -2.2 | 109 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.242 | 0.259 | -7.0 | 110 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.350 | 0.401 | -14.6 | 113 | 0.00 |
| 58 | | Fluorene | 1.443 | 1.494 | -3.5 | 110 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.360 | 0.389 | -8.1 | 111 | 0.00 |
| 60 | | Diethylphthalate | 1.315 | 1.368 | -4.0 | 109 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.754 | 0.798 | -5.8 | 111 | 0.00 |
| 62 | | 4-Nitroaniline | 0.288 | 0.322 | -11.8 | 108 | 0.00 |
| 63 | | Azobenzene | 1.208 | 1.254 | -3.8 | 108 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.095 | 0.105 | -10.5 | 117 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.626 | 0.660 | -5.4 | 110 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.220 | 0.236 | -7.3 | 112 | 0.00 |
| 68 | | Hexachlorobenzene | 0.260 | 0.276 | -6.2 | 111 | 0.00 |
| 69 | | Atrazine | 0.206 | 0.227 | -10.2 | 111 | 0.00 |
| 70 | C | Pentachlorophenol | 0.162 | 0.174 | -7.4 | 112 | 0.00 |
| 71 | | Phenanthrene | 1.132 | 1.171 | -3.4 | 110 | 0.00 |
| 72 | | Anthracene | 1.127 | 1.192 | -5.8 | 110 | 0.00 |
| 73 | | Carbazole | 1.019 | 1.065 | -4.5 | 109 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.116 | 1.206 | -8.1 | 109 | 0.00 |
| 75 | C | Fluoranthene | 1.230 | 1.306 | -6.2 | 110 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 77 | | Benzidine | 0.510 | 0.677 | -32.7# | 125 | 0.00 |
| 78 | | Pyrene | 1.281 | 1.353 | -5.6 | 109 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.137 | 1.125 | 1.1 | 91 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.422 | 0.477 | -13.0 | 110 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.303 | 1.372 | -5.3 | 109 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.439 | 0.480 | -9.3 | 114 | 0.00 |
| 83 | | Chrysene | 1.229 | 1.288 | -4.8 | 109 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.670 | 0.746 | -11.3 | 108 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.050 | 1.149 | -9.4 | 111 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.422 | 1.506 | -5.9 | 108 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.230 | 1.309 | -6.4 | 108 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.276 | 1.337 | -4.8 | 108 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.152 | 1.236 | -7.3 | 109 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.198 | 1.273 | -6.3 | 109 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.132 | 1.194 | -5.5 | 108 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev Area% | Dev(min) |
|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 37.994 | 5.0 | 102 | 0.00 |
| 3 | | Pyridine | 40.000 | 41.118 | -2.8 | 109 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 40.835 | -2.1 | 108 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 79.859 | 0.2 | 104 | 0.00 |
| 6 | | Aniline | 40.000 | 42.568 | -6.4 | 110 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 80.660 | -0.8 | 104 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 42.935 | -7.3 | 112 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 45.376 | -13.4 | 114 | 0.00 |
| 10 | C | Phenol | 40.000 | 42.114 | -5.3 | 111 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 42.240 | -5.6 | 112 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.848 | -4.6 | 112 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.609 | -4.0 | 112 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 41.478 | -3.7 | 111 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 42.555 | -6.4 | 111 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 41.095 | -2.7 | 110 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 42.726 | -6.8 | 111 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 41.906 | -4.8 | 112 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 44.168 | -10.4 | 111 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 42.276 | -5.7 | 110 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 22 | | Acetophenone | 40.000 | 42.290 | -5.7 | 112 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 73.139 | 8.6 | 95 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 41.860 | -4.6 | 110 | 0.00 |
| 25 | | Isophorone | 40.000 | 42.909 | -7.3 | 111 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 46.488 | -16.2 | 117 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 42.470 | -6.2 | 112 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 41.880 | -4.7 | 110 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 43.061 | -7.7 | 112 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 42.001 | -5.0 | 112 | 0.00 |
| 31 | | Naphthalene | 40.000 | 41.281 | -3.2 | 110 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 41.913 | -4.8 | 121 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 42.424 | -6.1 | 110 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 42.386 | -6.0 | 113 | 0.00 |
| 35 | | Caprolactam | 40.000 | 43.156 | -7.9 | 110 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 43.312 | -8.3 | 111 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 42.637 | -6.6 | 112 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 42.292 | -5.7 | 111 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 42.859 | -7.1 | 114 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 43.015 | -7.5 | 115 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 83.788 | -4.7 | 107 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 43.485 | -8.7 | 113 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 43.542 | -8.9 | 113 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 70.689 | 11.6 | 94 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 41.557 | -3.9 | 112 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 41.272 | -3.2 | 111 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 44.497 | -11.2 | 110 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 41.972 | -4.9 | 110 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 41.635 | -4.1 | 111 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 44.405 | -11.0 | 112 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 41.562 | -3.9 | 111 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 44.871 | -12.2 | 112 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 39.797 | 0.5 | 118 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 40.877 | -2.2 | 109 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 42.822 | -7.1 | 110 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 40.905 | -2.3 | 113 | 0.00 |
| 58 | | Fluorene | 40.000 | 41.425 | -3.6 | 110 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 43.229 | -8.1 | 111 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 41.609 | -4.0 | 109 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 42.288 | -5.7 | 111 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 40.288 | -0.7 | 108 | 0.00 |
| 63 | | Azobenzene | 40.000 | 41.531 | -3.8 | 108 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 40.334 | -0.8 | 117 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 42.198 | -5.5 | 110 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 42.755 | -6.9 | 112 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 42.380 | -6.0 | 111 | 0.00 |
| 69 | | Atrazine | 40.000 | 44.212 | -10.5 | 111 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 43.075 | -7.7 | 112 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 41.373 | -3.4 | 110 | 0.00 |
| 72 | | Anthracene | 40.000 | 42.316 | -5.8 | 110 | 0.00 |
| 73 | | Carbazole | 40.000 | 41.806 | -4.5 | 109 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 43.247 | -8.1 | 109 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 42.474 | -6.2 | 110 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 102 | 0.00 |
| 77 | | Benzidine | 40.000 | 53.050 | -32.6# | 125 | 0.00 |
| 78 | | Pyrene | 40.000 | 42.257 | -5.6 | 109 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 79.145 | 1.1 | 91 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 45.139 | -12.8 | 110 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 42.109 | -5.3 | 109 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 43.733 | -9.3 | 114 | 0.00 |
| 83 | | Chrysene | 40.000 | 41.924 | -4.8 | 109 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 44.481 | -11.2 | 108 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 43.760 | -9.4 | 111 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 102 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 42.377 | -5.9 | 108 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 42.558 | -6.4 | 108 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 41.883 | -4.7 | 108 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 42.933 | -7.3 | 109 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 42.521 | -6.3 | 109 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 42.197 | -5.5 | 108 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM070925

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

| | | | | | |
|---|---|---|---|---|---|
| Lab Name: | Alliance | Contract: | PARS02 | | |
| Lab Code: | ACE | SDG No.: | Q2592 | | |
| Instrument ID: | BNA_F | Calibration Date/Time: | 07/16/2025 | 19:39 | |
| Lab File ID: | BF143117.D | Init. Calib. Date(s): | 07/15/2025 | 07/15/2025 | |
| EPA Sample No.: | SSTDCCC040 | Init. Calib. Time(s): | 13:04 | 16:35 | |

GC Column: DB-UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Pyridine | 1.596 | 1.575 | | -1.3 | |
| 2-Fluorophenol | 1.266 | 1.249 | | -1.3 | |
| Phenol-d6 | 1.591 | 1.563 | | -1.8 | |
| 1,4-Dichlorobenzene | 1.446 | 1.418 | | -1.9 | 20.0 |
| 2-Methylphenol | 1.098 | 1.094 | | -0.4 | |
| 3+4-Methylphenols | 1.346 | 1.368 | | 1.6 | |
| Nitrobenzene-d5 | 0.357 | 0.402 | | 12.6 | |
| Hexachloroethane | 0.471 | 0.486 | | 3.2 | |
| Nitrobenzene | 0.344 | 0.369 | | 7.3 | |
| Hexachlorobutadiene | 0.178 | 0.178 | | 0.0 | 20.0 |
| 2,4,6-Trichlorophenol | 0.362 | 0.386 | | 6.6 | 20.0 |
| 2-Fluorobiphenyl | 1.505 | 1.421 | | -5.6 | |
| 2,4,5-Trichlorophenol | 0.380 | 0.387 | | 1.8 | |
| 2,4-Dinitrotoluene | 0.265 | 0.307 | | 15.8 | |
| 2,4,6-Tribromophenol | 0.178 | 0.191 | | 7.3 | |
| Hexachlorobenzene | 0.241 | 0.241 | | 0.0 | |
| Pentachlorophenol | 0.132 | 0.144 | | 9.1 | 20.0 |
| Terphenyl-d14 | 1.368 | 1.302 | | -4.8 | |

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.969 | 152 | 135149 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.251 | 136 | 510164 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 10.004 | 164 | 254065 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.492 | 188 | 397173 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.127 | 240 | 210714 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.633 | 264 | 255524 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.587 | 112 | 675027 | 78.913 | ng | | 0.00 |
| 7) Phenol-d6 | 6.587 | 99 | 845178 | 78.603 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.528 | 82 | 820016 | 90.170 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.792 | 330 | 193992 | 85.634 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.322 | 172 | 1444367 | 75.570 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.075 | 244 | 1097674 | 76.150 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.811 | 88 | 169746 | 39.864 | ng | | 98 |
| 3) Pyridine | 3.581 | 79 | 425792 | 39.489 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.522 | 42 | 217941 | 39.012 | ng | | 99 |
| 6) Aniline | 6.628 | 93 | 595971 | 39.360 | ng | | 99 |
| 8) 2-Chlorophenol | 6.751 | 128 | 355815 | 41.401 | ng | | 98 |
| 9) Benzaldehyde | 6.516 | 77 | 335257 | 40.919 | ng | | 99 |
| 10) Phenol | 6.598 | 94 | 490852 | 42.169 | ng | | 100 |
| 11) bis(2-Chloroethyl)ether | 6.698 | 93 | 350864 | 38.936 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.910 | 146 | 386579 | 39.815 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.987 | 146 | 383281 | 39.238 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.140 | 146 | 363768 | 39.051 | ng | | 98 |
| 15) Benzyl Alcohol | 7.098 | 79 | 319688 | 40.125 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.240 | 45 | 645668 | 38.870 | ng | | 100 |
| 17) 2-Methylphenol | 7.204 | 107 | 295753 | 39.876 | ng | | 99 |
| 18) Hexachloroethane | 7.487 | 117 | 131364 | 41.310 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.375 | 70 | 260963 | 39.615 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.363 | 107 | 369651 | 40.641 | ng | | 99 |
| 22) Acetophenone | 7.369 | 105 | 476586 | 38.753 | ng | # | 93 |
| 24) Nitrobenzene | 7.545 | 77 | 376400 | 42.874 | ng | | 99 |
| 25) Isophorone | 7.787 | 82 | 688462 | 39.167 | ng | | 100 |
| 26) 2-Nitrophenol | 7.863 | 139 | 148006 | 42.663 | ng | | 100 |
| 27) 2,4-Dimethylphenol | 7.893 | 122 | 326049 | 39.965 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.993 | 93 | 420098 | 39.412 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.098 | 162 | 274747 | 41.164 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.187 | 180 | 297978 | 39.339 | ng | | 98 |
| 31) Naphthalene | 8.269 | 128 | 991571 | 39.140 | ng | | 100 |
| 32) Benzoic acid | 7.987 | 122 | 150277 | 38.466 | ng | | 97 |
| 33) 4-Chloroaniline | 8.310 | 127 | 401159 | 39.377 | ng | | 100 |
| 34) Hexachlorobutadiene | 8.393 | 225 | 181527 | 40.072 | ng | | 99 |
| 35) Caprolactam | 8.675 | 113 | 85847 | 41.190 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 8.787 | 107 | 298817 | 40.192 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.963 | 142 | 589636 | 39.014 | ng | | 100 |
| 38) 1-Methylnaphthalene | 9.063 | 142 | 610968 | 38.976 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.128 | 216 | 287903 | 38.885 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.122 | 237 | 173333 | 42.225 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.234 | 196 | 195982 | 42.600 | ng | | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

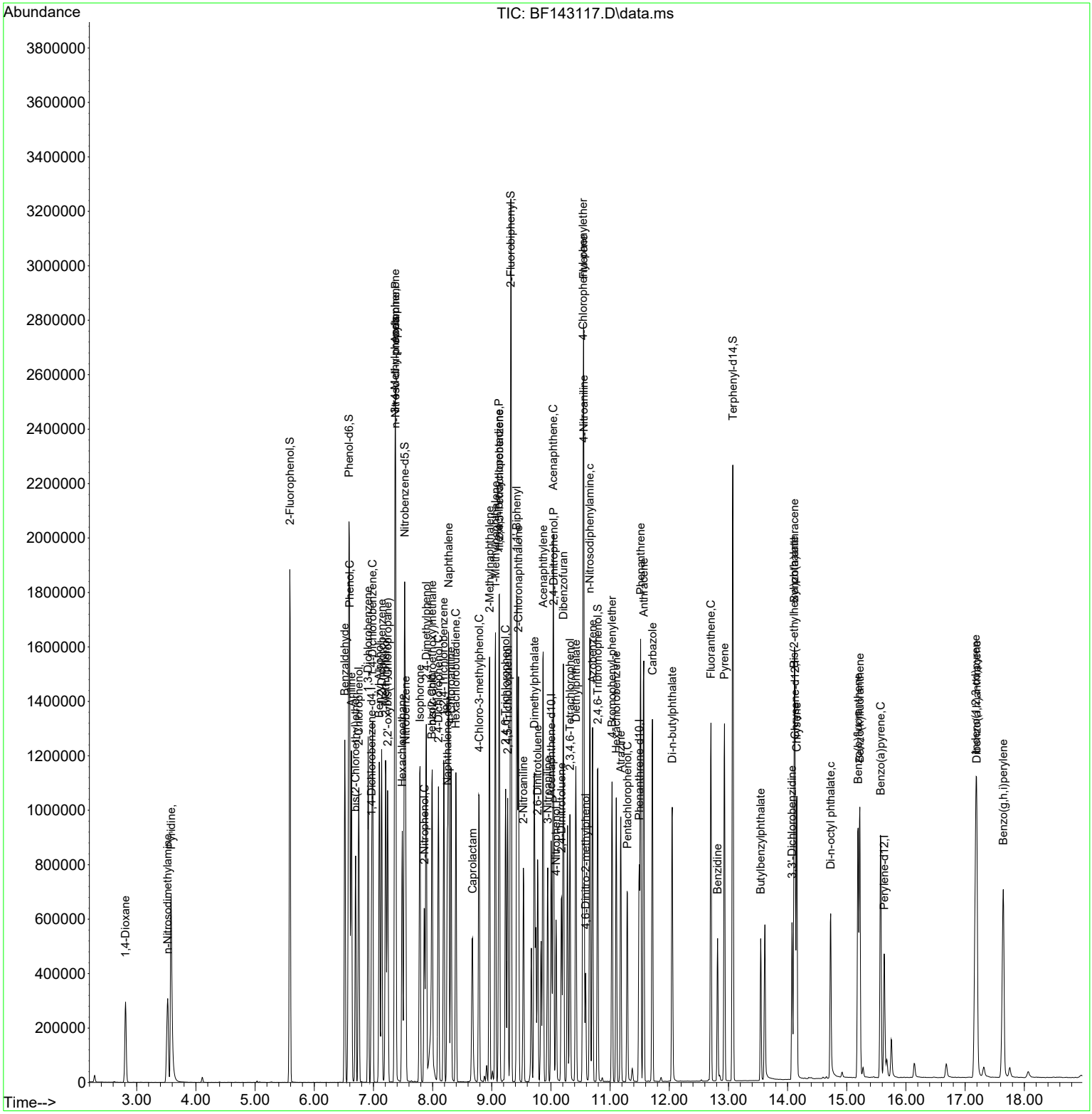
| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 9.269 | 196 | 196557 | 40.747 | ng | | 99 |
| 46) | 1,1'-Biphenyl | 9.422 | 154 | 779366 | 38.466 | ng | | 100 |
| 47) | 2-Chloronaphthalene | 9.451 | 162 | 573731 | 38.546 | ng | | 100 |
| 48) | 2-Nitroaniline | 9.534 | 65 | 178618 | 40.710 | ng | | 99 |
| 49) | Acenaphthylene | 9.869 | 152 | 971647 | 39.176 | ng | | 99 |
| 50) | Dimethylphthalate | 9.722 | 163 | 628010 | 39.291 | ng | | 100 |
| 51) | 2,6-Dinitrotoluene | 9.775 | 165 | 130906 | 41.829 | ng | | 95 |
| 52) | Acenaphthene | 10.039 | 154 | 566434 | 38.701 | ng | | 99 |
| 53) | 3-Nitroaniline | 9.945 | 138 | 151765 | 43.942 | ng | | 97 |
| 54) | 2,4-Dinitrophenol | 10.045 | 184 | 41904 | 42.980 | ng | # | 44 |
| 55) | Dibenzofuran | 10.210 | 168 | 838011 | 38.413 | ng | | 100 |
| 56) | 4-Nitrophenol | 10.086 | 139 | 117068 | 42.650 | ng | | 99 |
| 57) | 2,4-Dinitrotoluene | 10.181 | 165 | 155813 | 40.106 | ng | | 96 |
| 58) | Fluorene | 10.551 | 166 | 619482 | 37.875 | ng | | 100 |
| 59) | 2,3,4,6-Tetrachlorophenol | 10.322 | 232 | 164509 | 42.914 | ng | | 98 |
| 60) | Diethylphthalate | 10.422 | 149 | 615586 | 39.920 | ng | | 100 |
| 61) | 4-Chlorophenyl-phenyle... | 10.545 | 204 | 306293 | 39.072 | ng | | 100 |
| 62) | 4-Nitroaniline | 10.557 | 138 | 129761 | 43.204 | ng | | 99 |
| 63) | Azobenzene | 10.704 | 77 | 652575 | 38.265 | ng | | 99 |
| 65) | 4,6-Dinitro-2-methylph... | 10.586 | 198 | 62192 | 43.295 | ng | | 97 |
| 66) | n-Nitrosodiphenylamine | 10.657 | 169 | 545898 | 39.129 | ng | | 99 |
| 67) | 4-Bromophenyl-phenylether | 11.034 | 248 | 180440 | 39.949 | ng | | 98 |
| 68) | Hexachlorobenzene | 11.104 | 284 | 191457 | 39.950 | ng | | 97 |
| 69) | Atrazine | 11.181 | 200 | 145300 | 40.708 | ng | | 99 |
| 70) | Pentachlorophenol | 11.292 | 266 | 114049 | 43.376 | ng | | 99 |
| 71) | Phenanthrene | 11.516 | 178 | 831246 | 38.780 | ng | | 100 |
| 72) | Anthracene | 11.569 | 178 | 844296 | 39.169 | ng | | 99 |
| 73) | Carbazole | 11.716 | 167 | 742234 | 38.436 | ng | | 100 |
| 74) | Di-n-butylphthalate | 12.051 | 149 | 743944 | 41.970 | ng | | 100 |
| 75) | Fluoranthene | 12.704 | 202 | 752396 | 38.604 | ng | | 99 |
| 77) | Benzidine | 12.816 | 184 | 274069 | 38.177 | ng | | 99 |
| 78) | Pyrene | 12.933 | 202 | 747120 | 38.214 | ng | | 100 |
| 80) | Butylbenzylphthalate | 13.545 | 149 | 153672 | 39.754 | ng | | 95 |
| 81) | Benzo(a)anthracene | 14.116 | 228 | 570413 | 40.624 | ng | | 100 |
| 82) | 3,3'-Dichlorobenzidine | 14.074 | 252 | 164768 | 40.409 | ng | | 99 |
| 83) | Chrysene | 14.157 | 228 | 486986 | 37.657 | ng | | 100 |
| 84) | Bis(2-ethylhexyl)phtha... | 14.110 | 149 | 241107 | 41.219 | ng | | 100 |
| 85) | Di-n-octyl phthalate | 14.727 | 149 | 439529 | 40.440 | ng | | 99 |
| 87) | Indeno(1,2,3-cd)pyrene | 17.180 | 276 | 781535 | 41.122 | ng | | 100 |
| 88) | Benzo(b)fluoranthene | 15.192 | 252 | 580612 | 39.393 | ng | | 99 |
| 89) | Benzo(k)fluoranthene | 15.221 | 252 | 558211 | 39.698 | ng | | 99 |
| 90) | Benzo(a)pyrene | 15.574 | 252 | 570084 | 40.896 | ng | | 99 |
| 91) | Dibenzo(a,h)anthracene | 17.198 | 278 | 635338 | 40.895 | ng | | 99 |
| 92) | Benzo(g,h,i)perylene | 17.645 | 276 | 642024 | 40.534 | ng | | 98 |

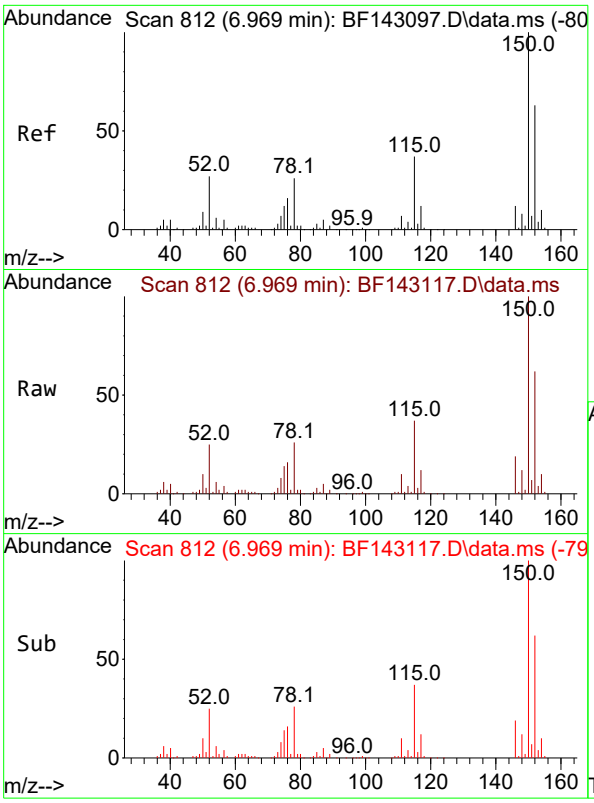
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration



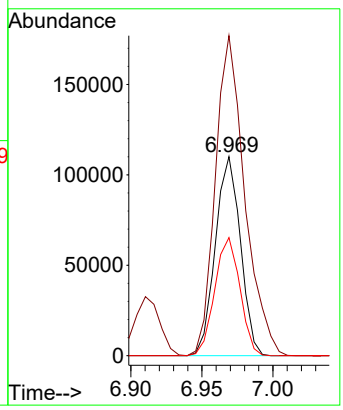


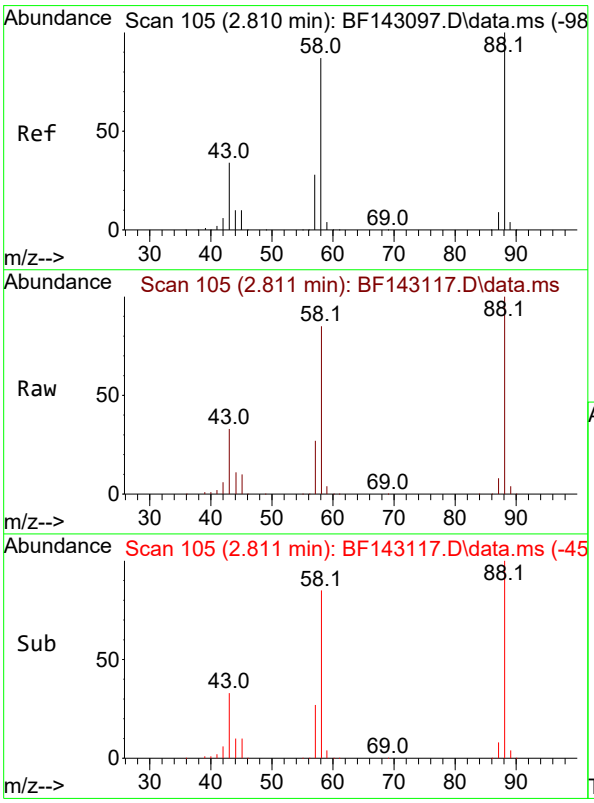

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 135149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.8 | 126.5 | 189.7 |
| 115 | 59.4 | 47.0 | 70.6 |

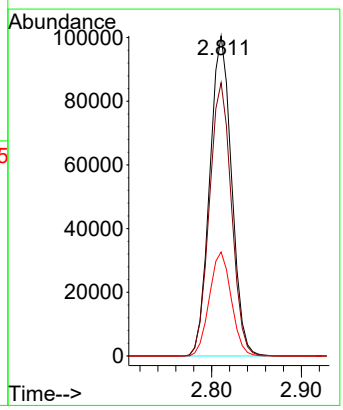


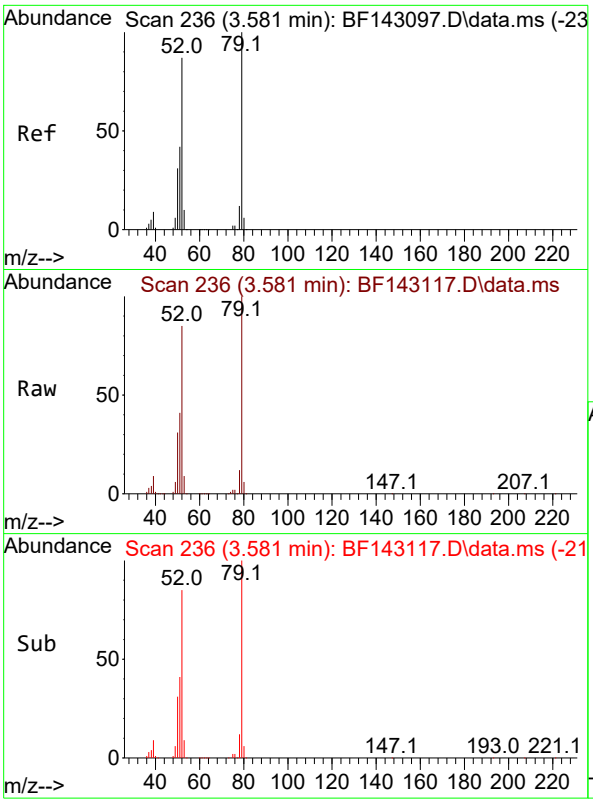




#2
1,4-Dioxane
Concen: 39.864 ng
RT: 2.811 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion: 88 Resp: 169746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 86.0 | 70.5 | 105.7 |
| 43 | 32.5 | 27.3 | 40.9 |



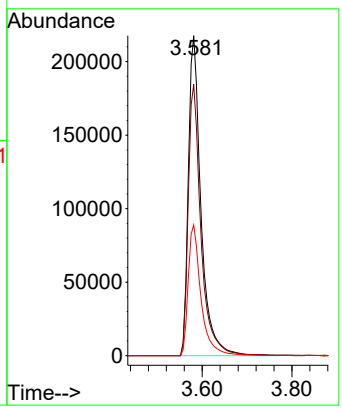


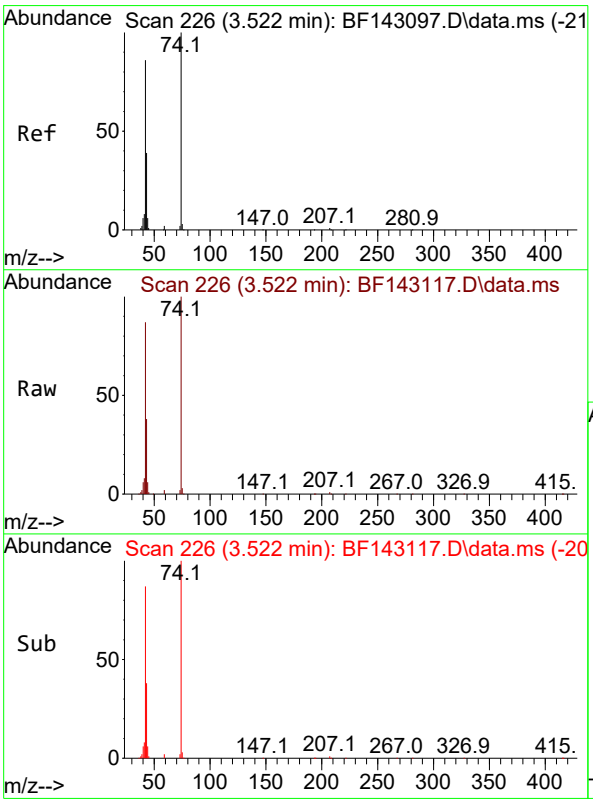

#3
Pyridine
Concen: 39.489 ng
RT: 3.581 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 425792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 84.8 | 69.2 | 103.8 |
| 51 | 40.9 | 33.3 | 49.9 |

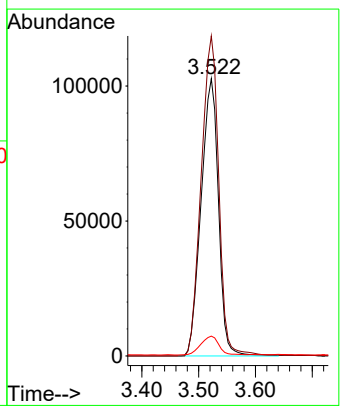


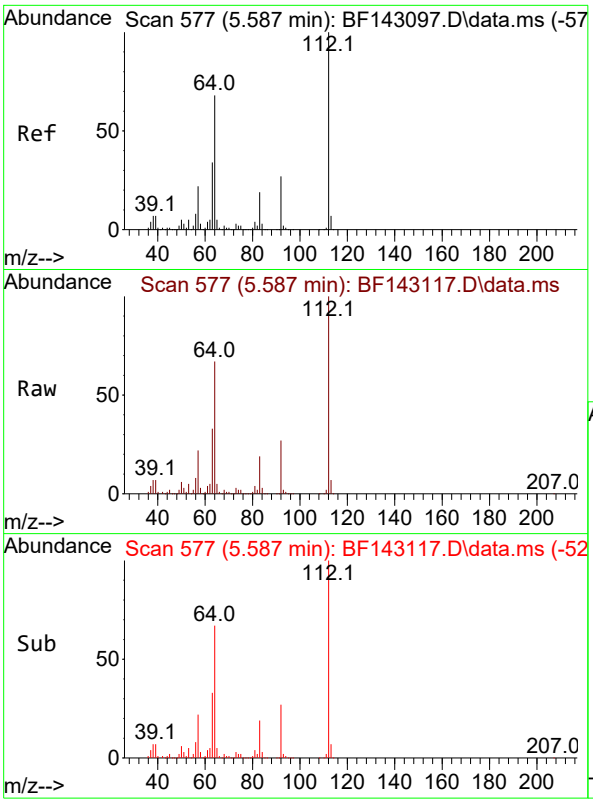




#4
n-Nitrosodimethylamine
Concen: 39.012 ng
RT: 3.522 min Scan# 226
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion: 42 Resp: 217941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 115.4 | 92.8 | 139.2 |
| 44 | 7.2 | 5.8 | 8.6 |



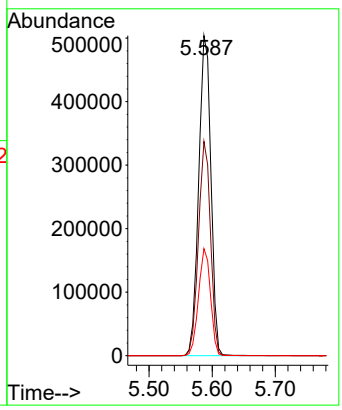


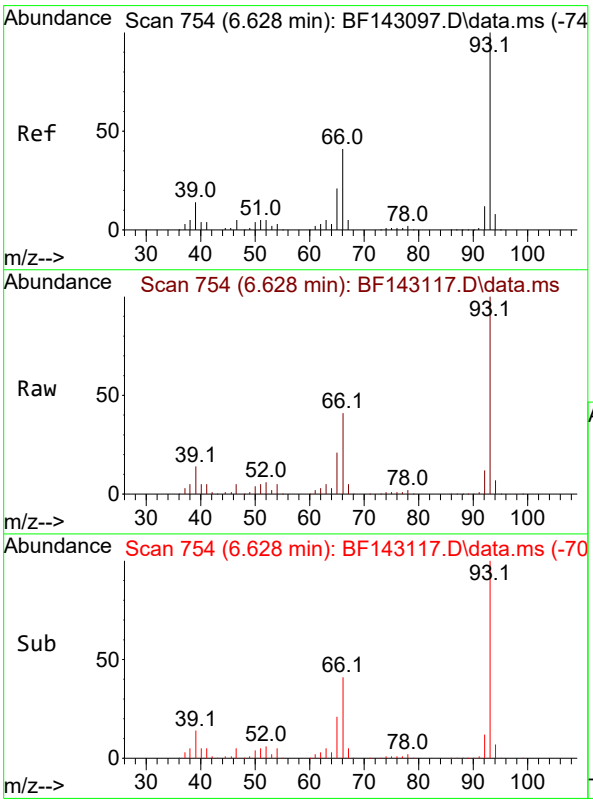

#5
2-Fluorophenol
Concen: 78.913 ng
RT: 5.587 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:112 Resp: 675027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 67.0 | 54.6 | 82.0 |
| 63 | 33.5 | 27.3 | 40.9 |

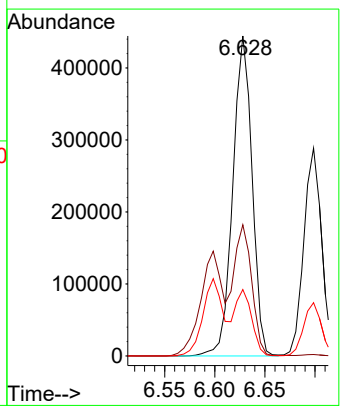


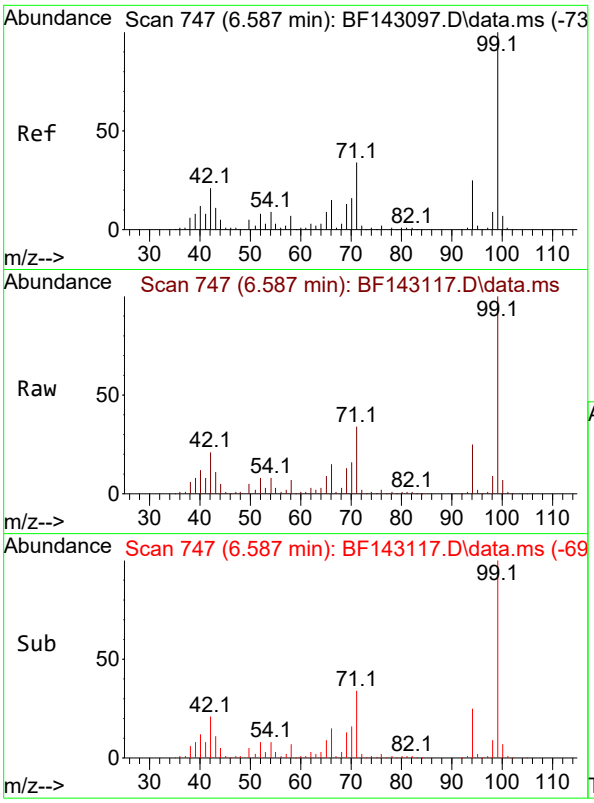




#6
Aniline
Concen: 39.360 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion: 93 Resp: 595971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 41.0 | 33.1 | 49.7 |
| 65 | 20.8 | 16.9 | 25.3 |



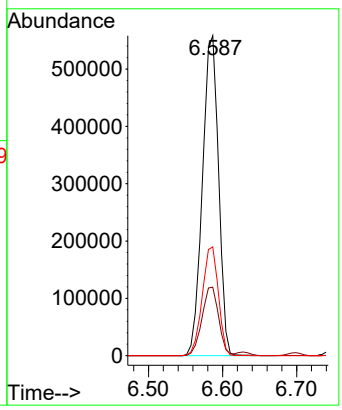


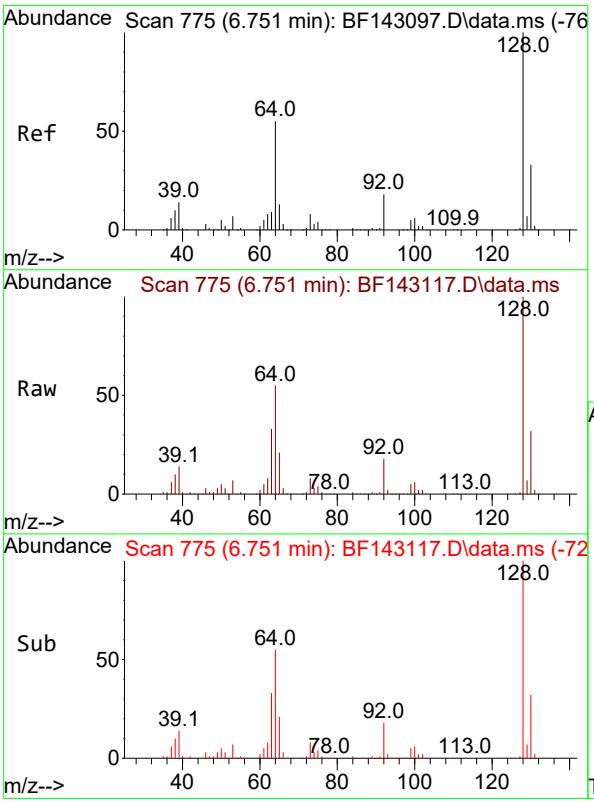

#7
Phenol-d6
Concen: 78.603 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 99 Resp: 845178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.4 | 17.2 | 25.8 |
| 71 | 34.0 | 27.4 | 41.0 |

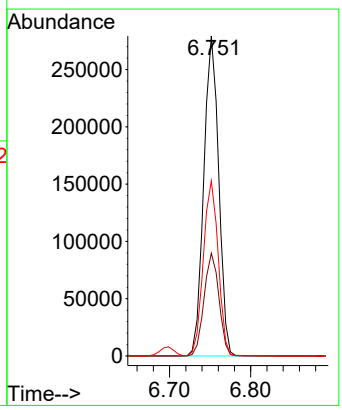


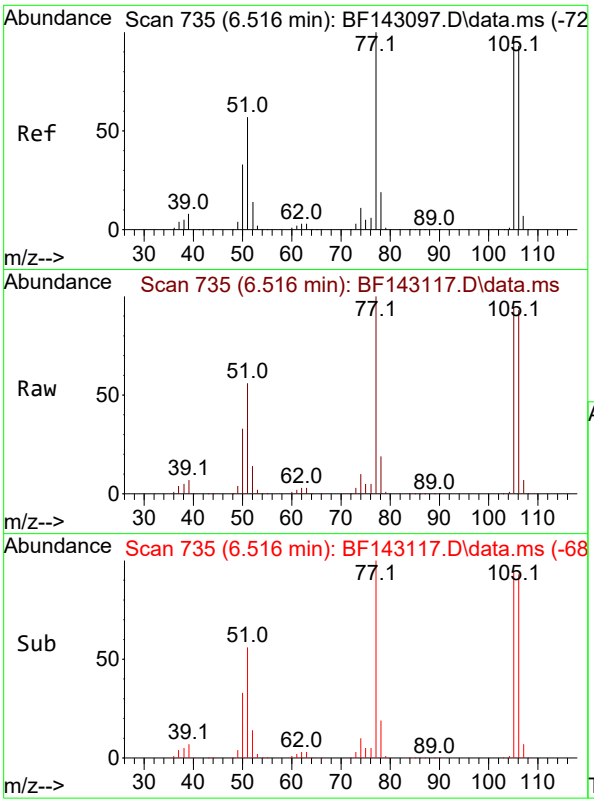




#8
2-Chlorophenol
Concen: 41.401 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:128 Resp: 355815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.1 | 12.8 | 52.8 |
| 64 | 54.7 | 36.1 | 76.1 |



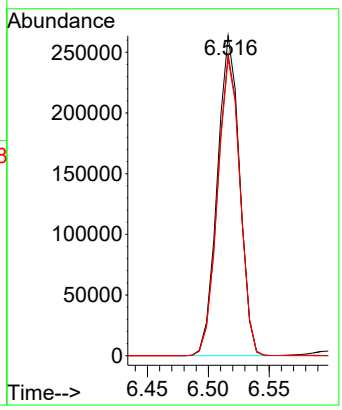


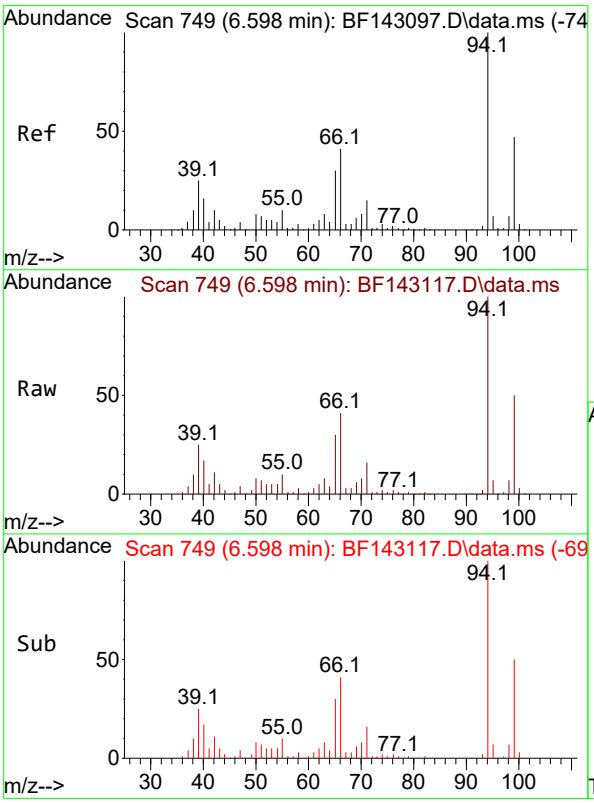

#9
Benzaldehyde
Concen: 40.919 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 335257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 94.2 | 76.3 | 116.3 |
| 106 | 92.7 | 72.8 | 112.8 |

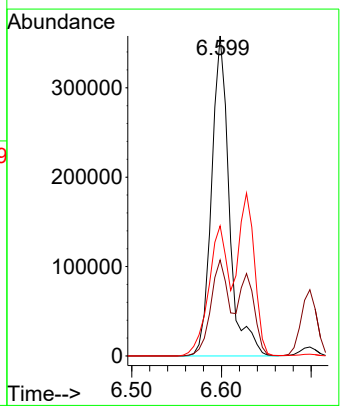


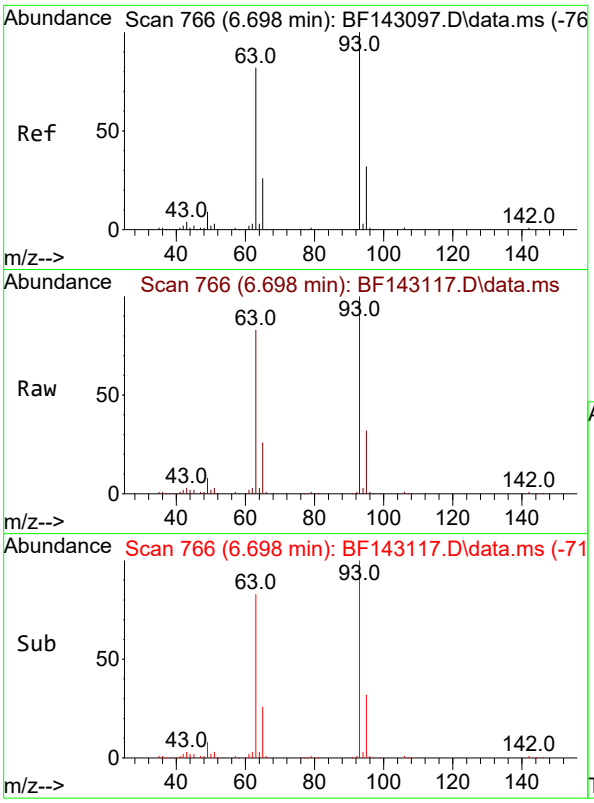




#10
Phenol
Concen: 42.169 ng
RT: 6.598 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion: 94 Resp: 490852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 30.0 | 9.8 | 49.8 |
| 66 | 40.7 | 20.5 | 60.5 |



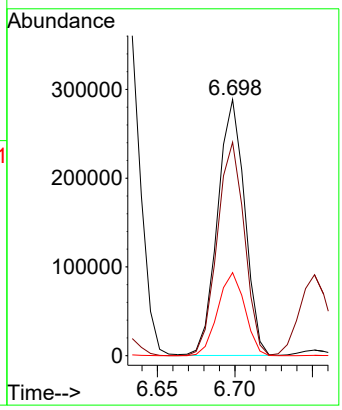


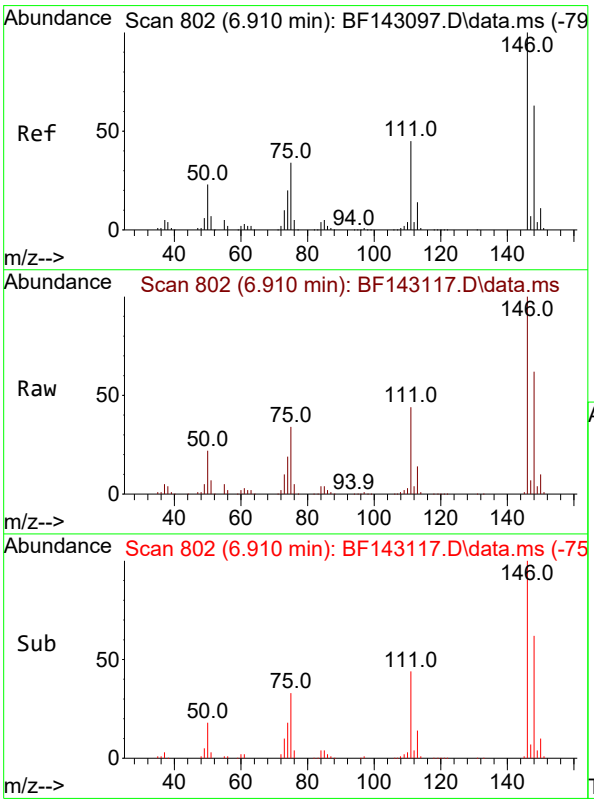

#11
bis(2-Chloroethyl)ether
Concen: 38.936 ng
RT: 6.698 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 93 Resp: 350864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 83.4 | 61.9 | 101.9 |
| 95 | 32.4 | 12.2 | 52.2 |

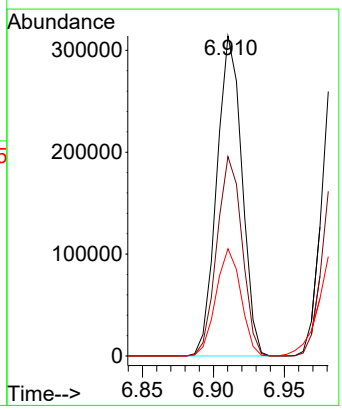


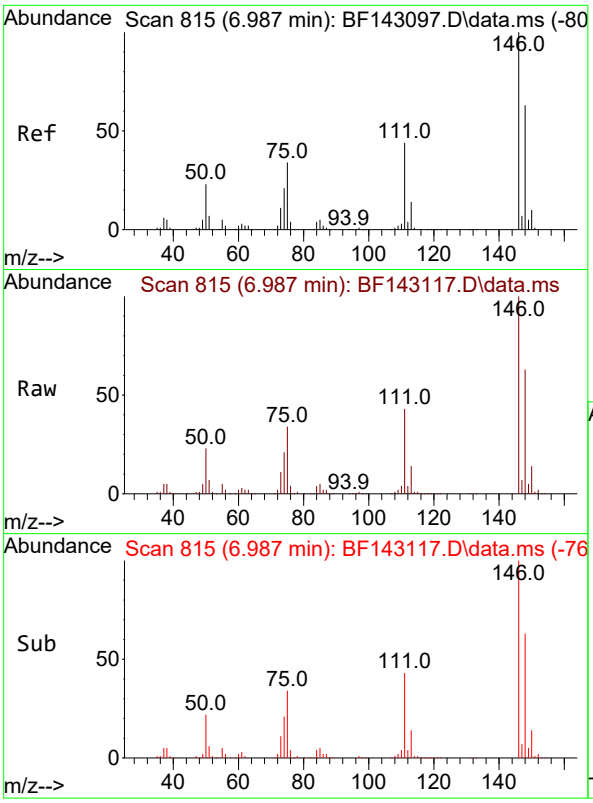




#12
1,3-Dichlorobenzene
Concen: 39.815 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:146 Resp: 386579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.3 | 50.1 | 75.1 |
| 75 | 33.5 | 27.4 | 41.0 |



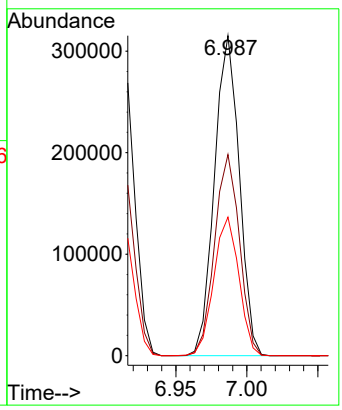


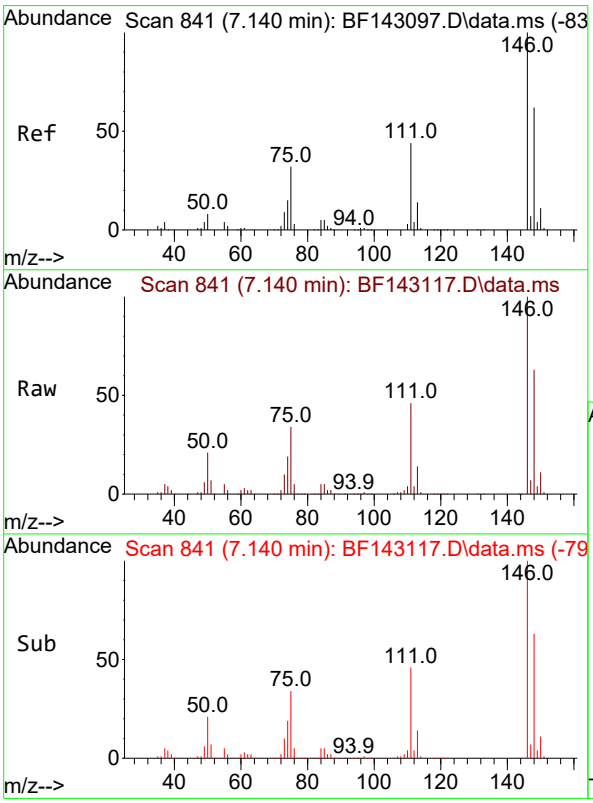

#13
1,4-Dichlorobenzene
Concen: 39.238 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:146 Resp: 383281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.8 | 50.6 | 76.0 |
| 111 | 43.3 | 35.0 | 52.6 |

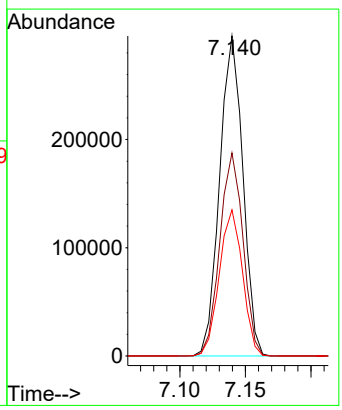


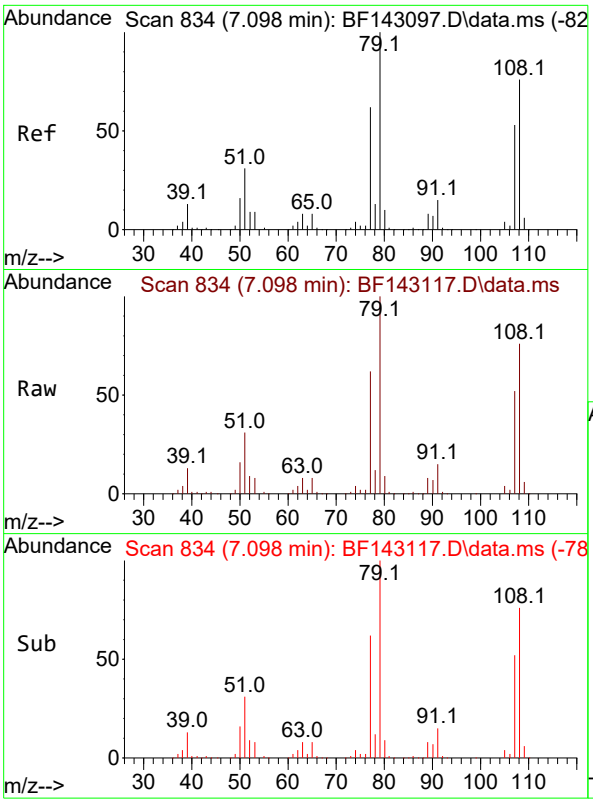




#14
1,2-Dichlorobenzene
Concen: 39.051 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:146 Resp: 363768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.4 | 49.8 | 74.6 |
| 111 | 45.6 | 35.4 | 53.0 |



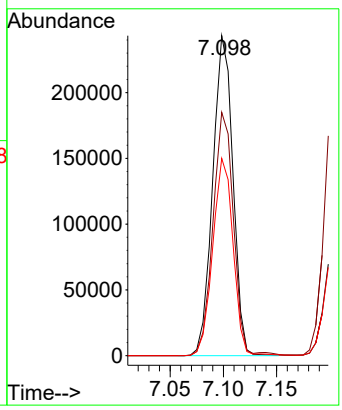


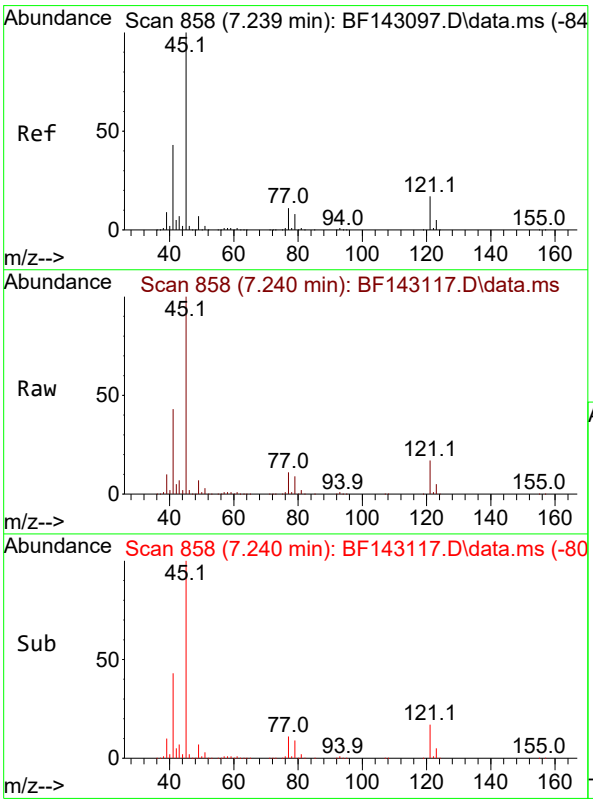

#15
Benzyl Alcohol
Concen: 40.125 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 319688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.1 | 61.1 | 91.7 |
| 77 | 61.7 | 49.9 | 74.9 |

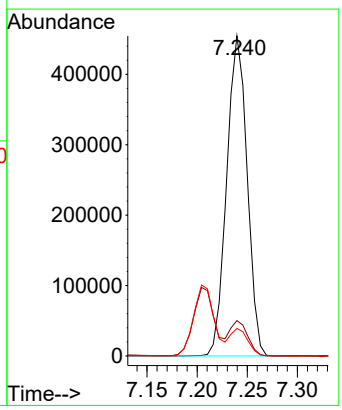


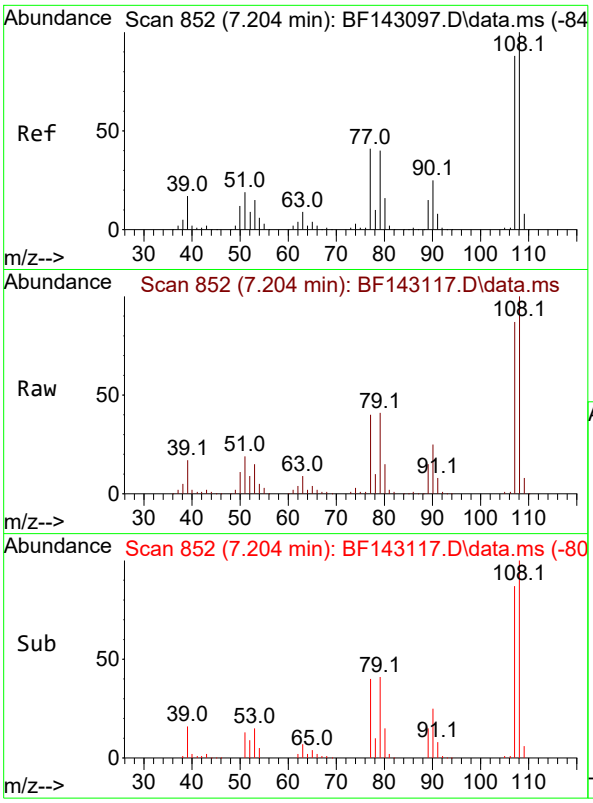




#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.870 ng
RT: 7.240 min Scan# 858
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion: 45 Resp: 645668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 11.0 | 0.0 | 31.1 |
| 79 | 8.6 | 0.0 | 28.4 |



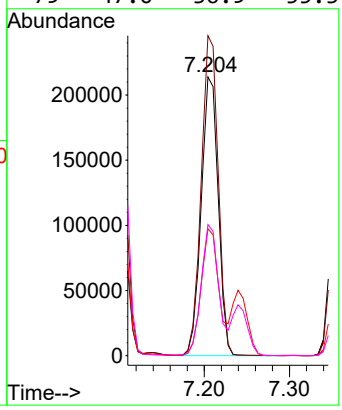


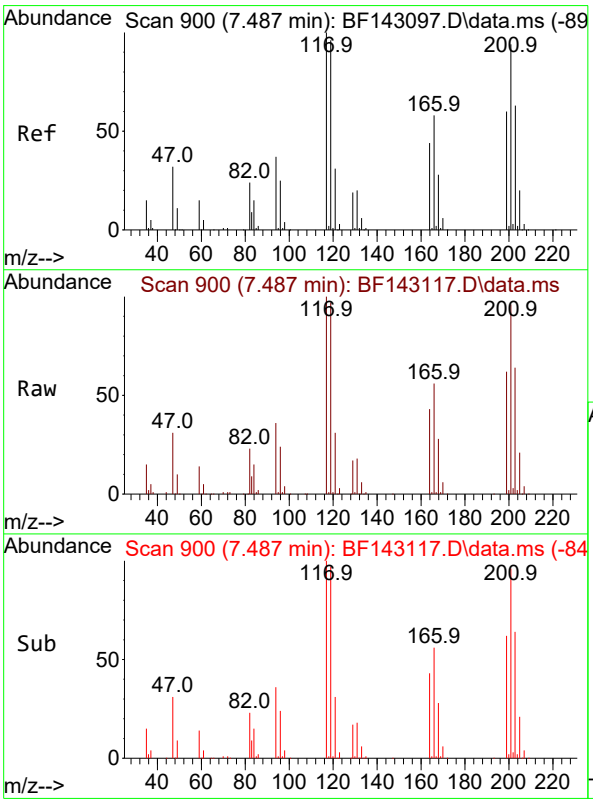

#17
2-Methylphenol
Concen: 39.876 ng
RT: 7.204 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:107 Resp: 295753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.8 | 90.9 | 136.3 |
| 77 | 45.5 | 37.5 | 56.3 |
| 79 | 47.0 | 36.9 | 55.3 |

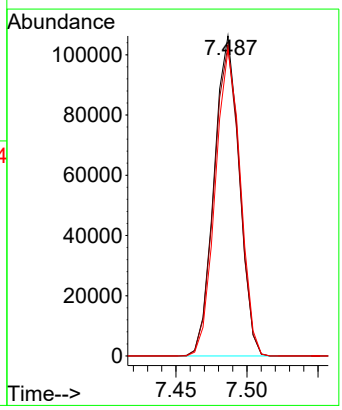


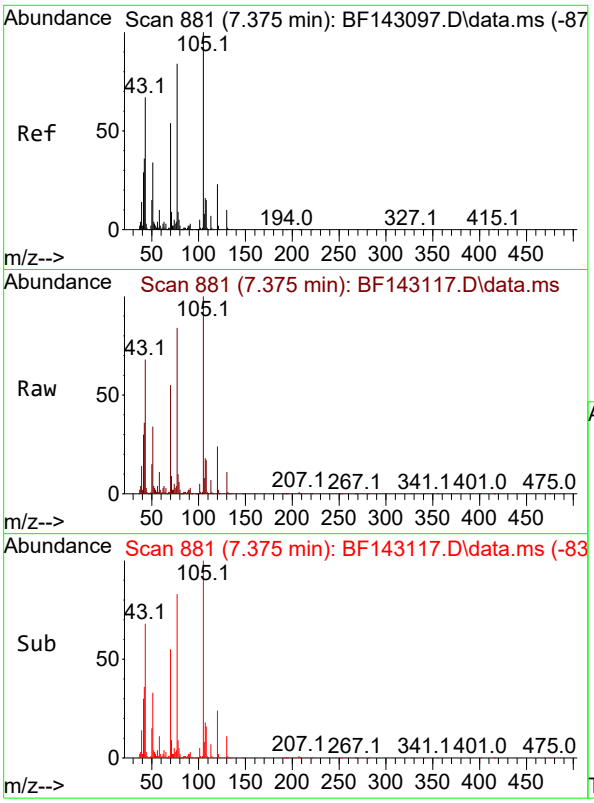




#18
Hexachloroethane
Concen: 41.310 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:117 Resp: 131364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.2 | 76.7 | 115.1 |
| 201 | 95.8 | 75.0 | 112.4 |



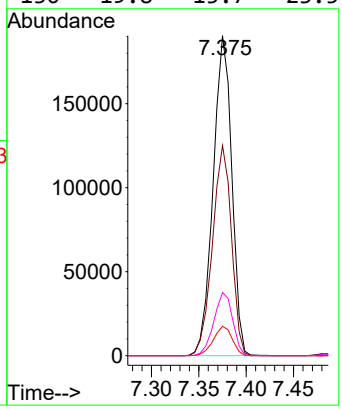


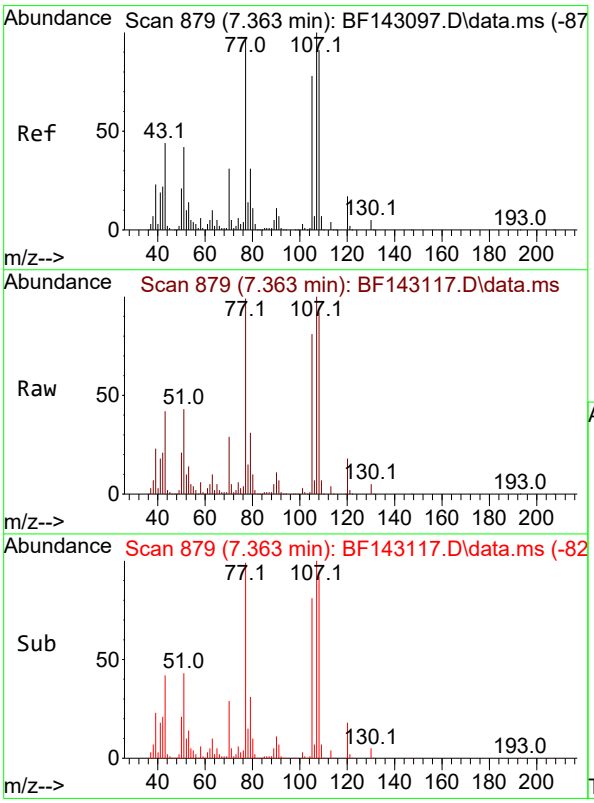

#19
n-Nitroso-di-n-propylamine
Concen: 39.615 ng
RT: 7.375 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 70 Resp: 260963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 65.6 | 53.2 | 79.8 |
| 101 | 9.2 | 7.5 | 11.3 |
| 130 | 19.8 | 15.7 | 23.5 |

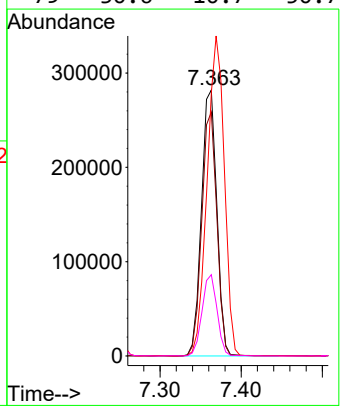


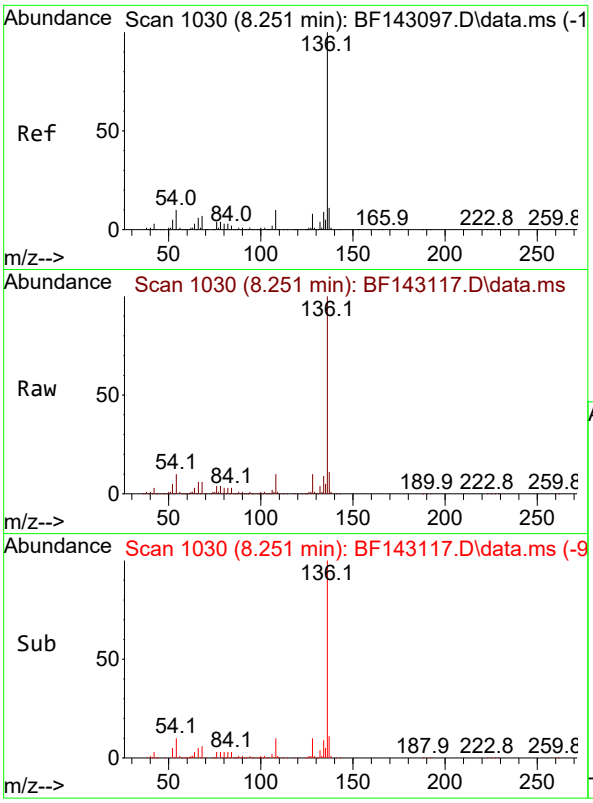




#20
3+4-Methylphenols
Concen: 40.641 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:107 Resp: 369651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.8 | 71.3 | 111.3 |
| 77 | 98.8 | 77.2 | 117.2 |
| 79 | 30.6 | 10.7 | 50.7 |



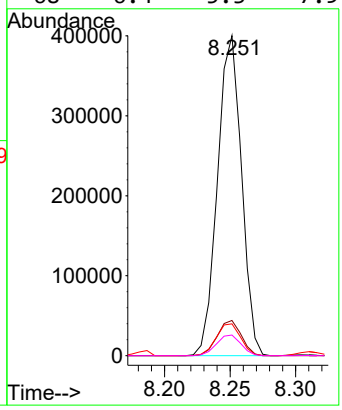


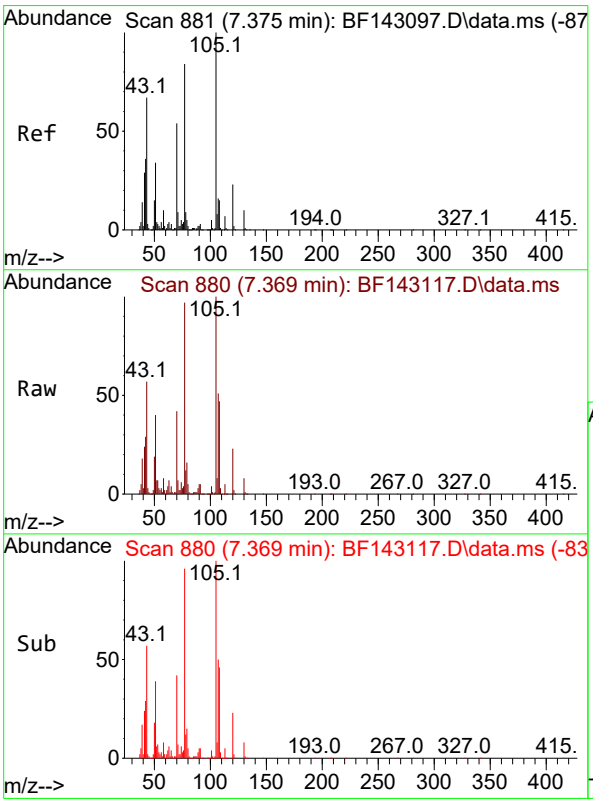

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:136 Resp: 510164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.9 | 13.3 |
| 54 | 9.9 | 8.3 | 12.5 |
| 68 | 6.4 | 5.3 | 7.9 |

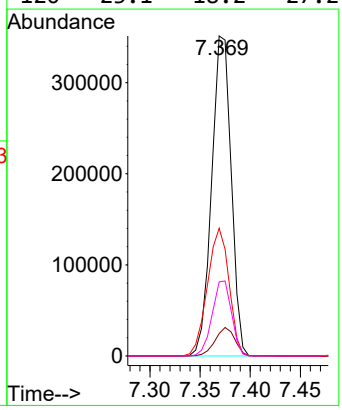


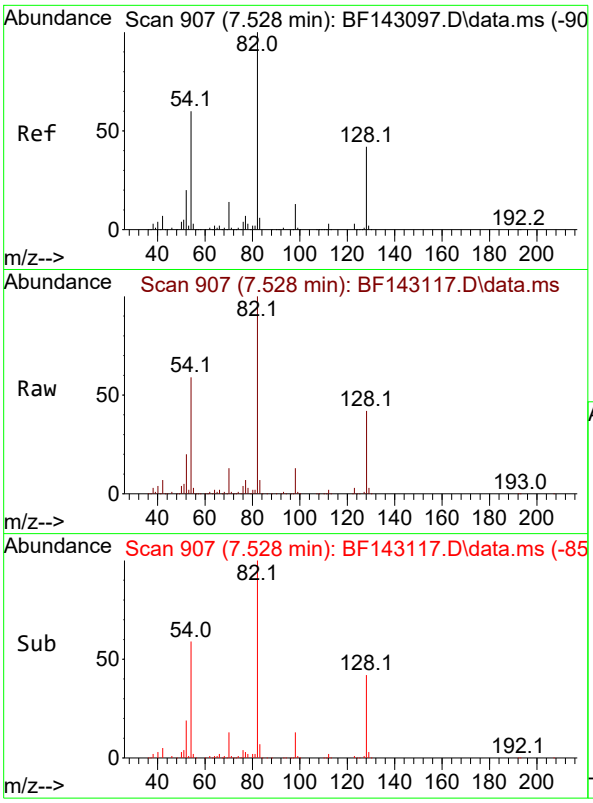




#22
Acetophenone
Concen: 38.753 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.006 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:105 Resp: 476586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.0 | 7.2 | 10.8# |
| 51 | 39.9 | 27.0 | 40.4 |
| 120 | 23.1 | 18.2 | 27.2 |



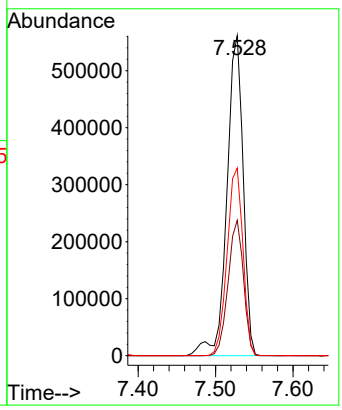


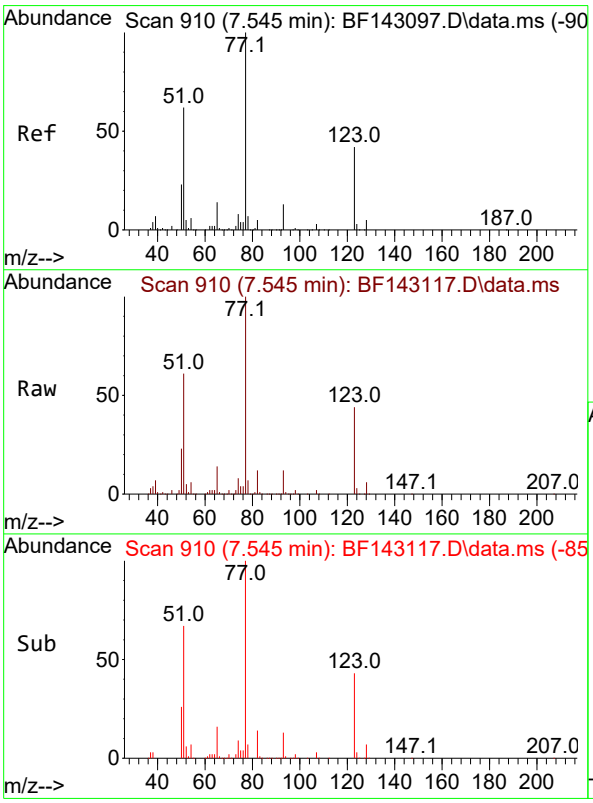

#23
Nitrobenzene-d5
Concen: 90.170 ng
RT: 7.528 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 820016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.3 | 33.3 | 49.9 |
| 54 | 58.7 | 47.4 | 71.2 |

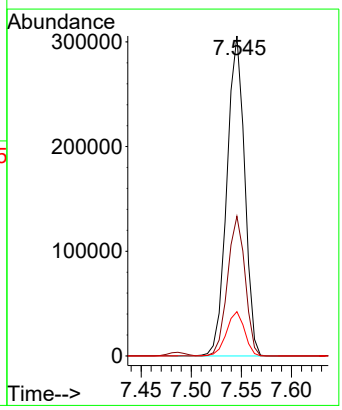


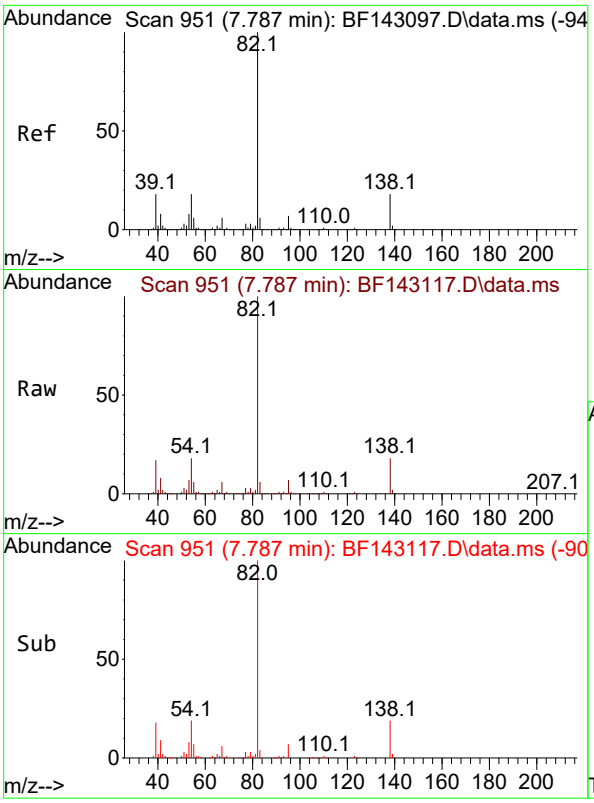




#24
Nitrobenzene
Concen: 42.874 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion: 77 Resp: 376400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 43.6 | 34.5 | 51.7 |
| 65 | 13.8 | 11.3 | 16.9 |



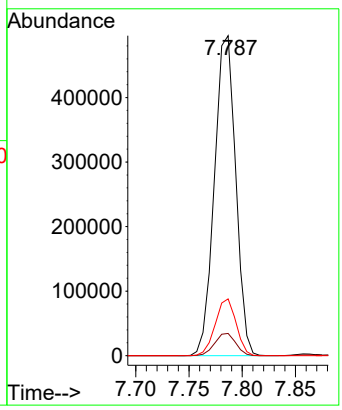


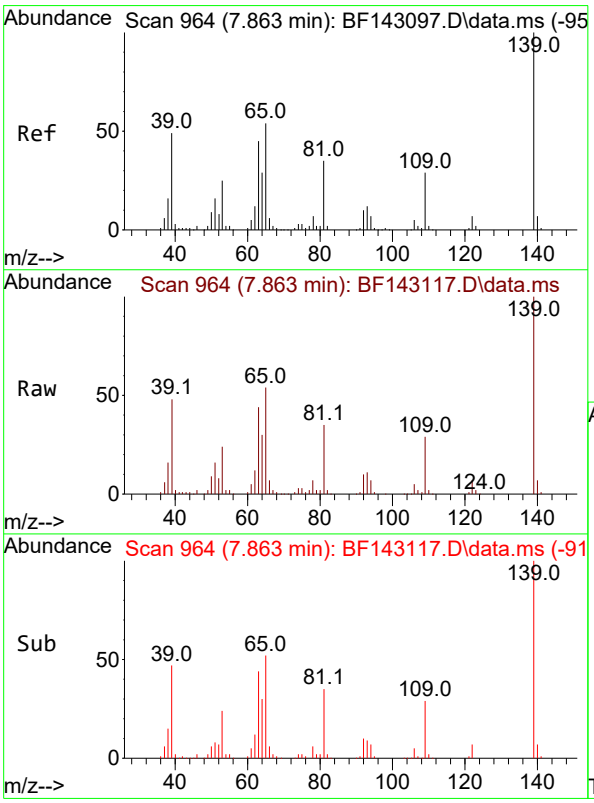

#25
Isophorone
Concen: 39.167 ng
RT: 7.787 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 688462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.9 | 5.6 | 8.4 |
| 138 | 17.7 | 14.3 | 21.5 |

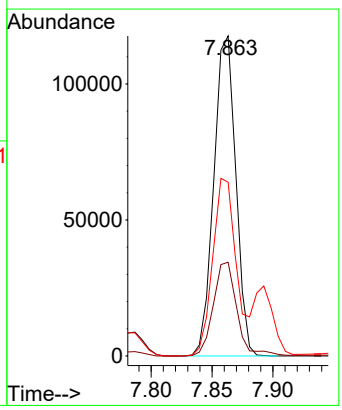


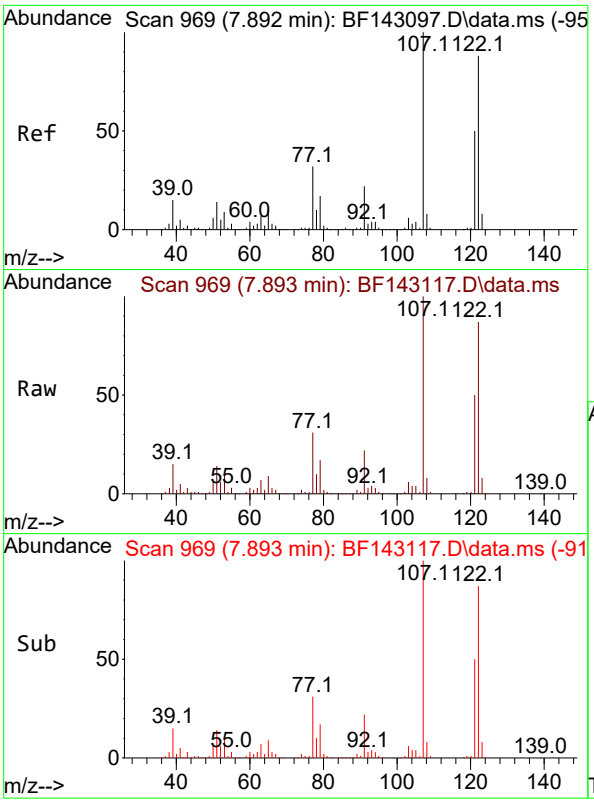




#26
2-Nitrophenol
Concen: 42.663 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:139 Resp: 148006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 29.3 | 23.4 | 35.0 |
| 65 | 54.3 | 43.4 | 65.2 |



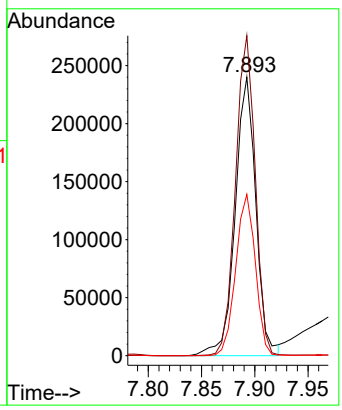


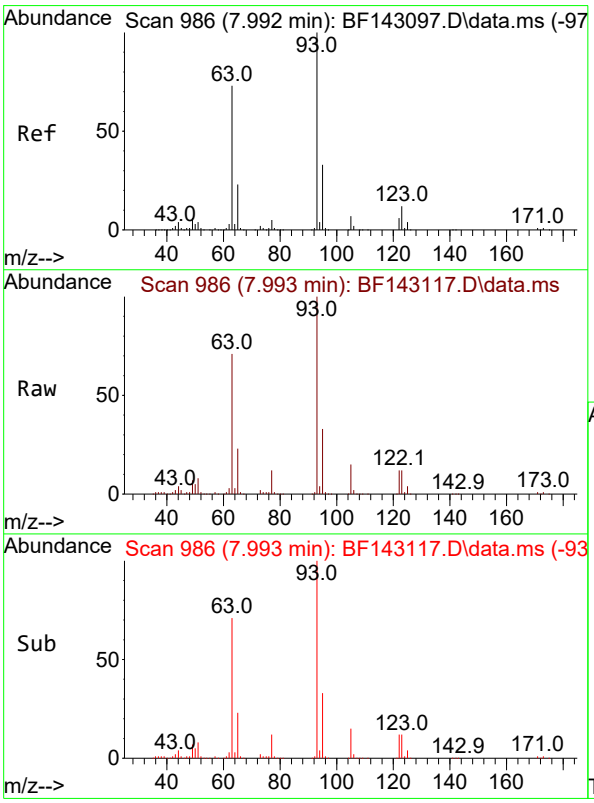

#27
2,4-Dimethylphenol
Concen: 39.965 ng
RT: 7.893 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:122 Resp: 326049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 114.8 | 91.3 | 136.9 |
| 121 | 57.9 | 45.5 | 68.3 |

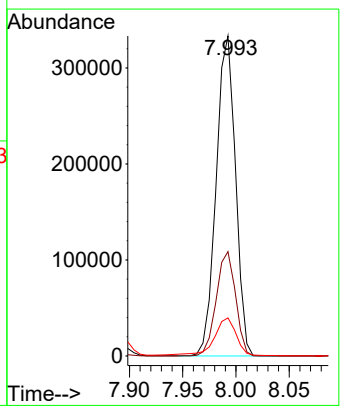


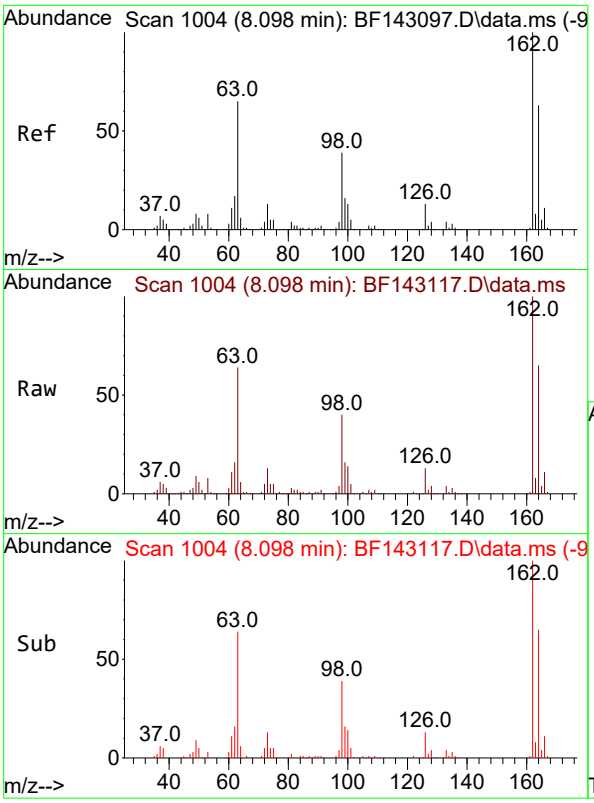




#28
bis(2-Chloroethoxy)methane
Concen: 39.412 ng
RT: 7.993 min Scan# 986
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion: 93 Resp: 420098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.6 | 26.2 | 39.4 |
| 123 | 11.9 | 9.6 | 14.4 |



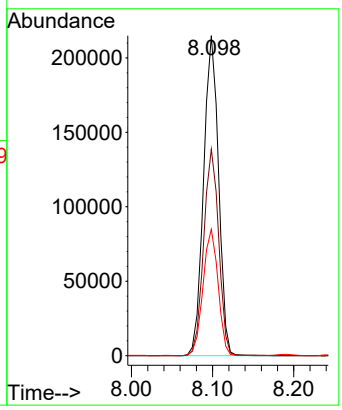


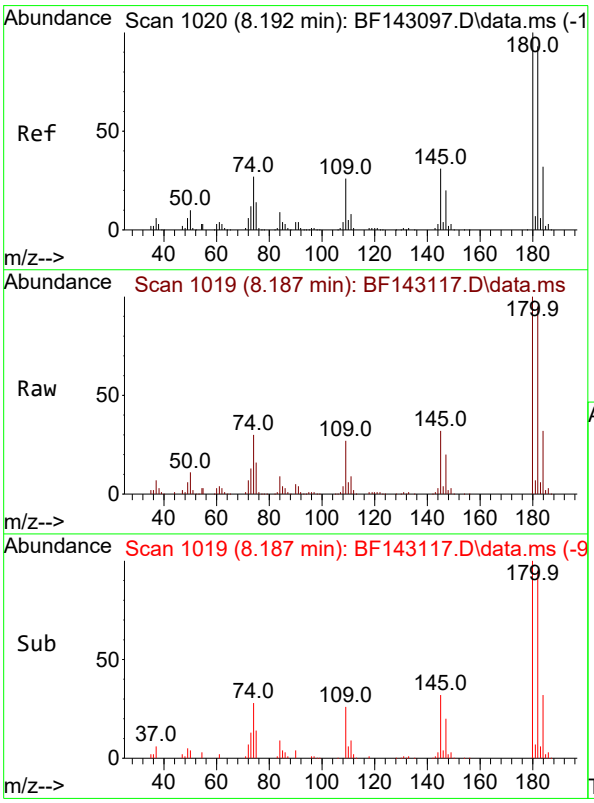

#29
2,4-Dichlorophenol
Concen: 41.164 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 274747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.6 | 43.1 | 83.1 |
| 98 | 39.5 | 19.2 | 59.2 |

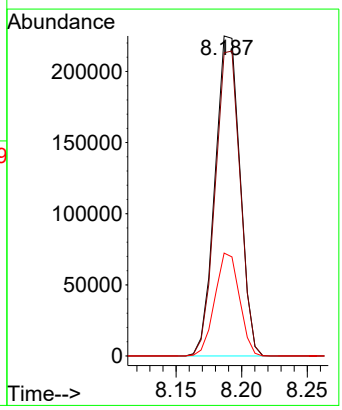


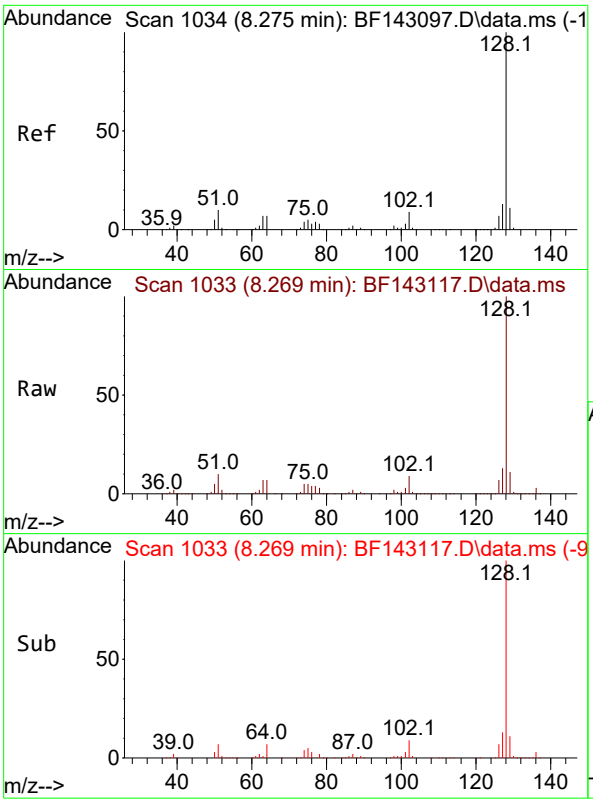




#30
1,2,4-Trichlorobenzene
Concen: 39.339 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:180 Resp: 297978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.8 | 74.7 | 112.1 |
| 145 | 32.1 | 24.5 | 36.7 |



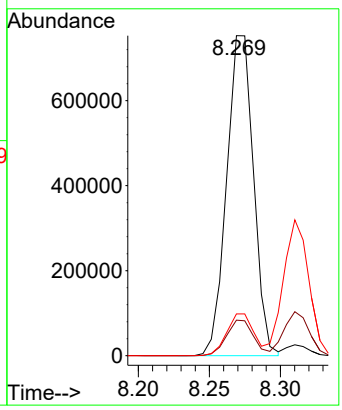


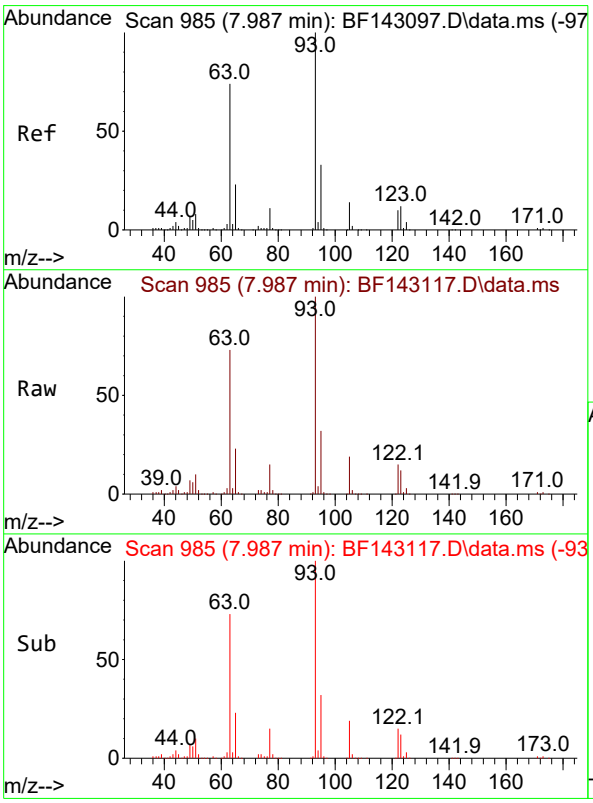

#31
Naphthalene
Concen: 39.140 ng
RT: 8.269 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:128 Resp: 991571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 9.0 | 13.4 |
| 127 | 13.1 | 10.5 | 15.7 |

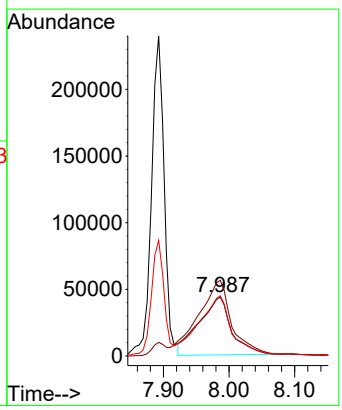


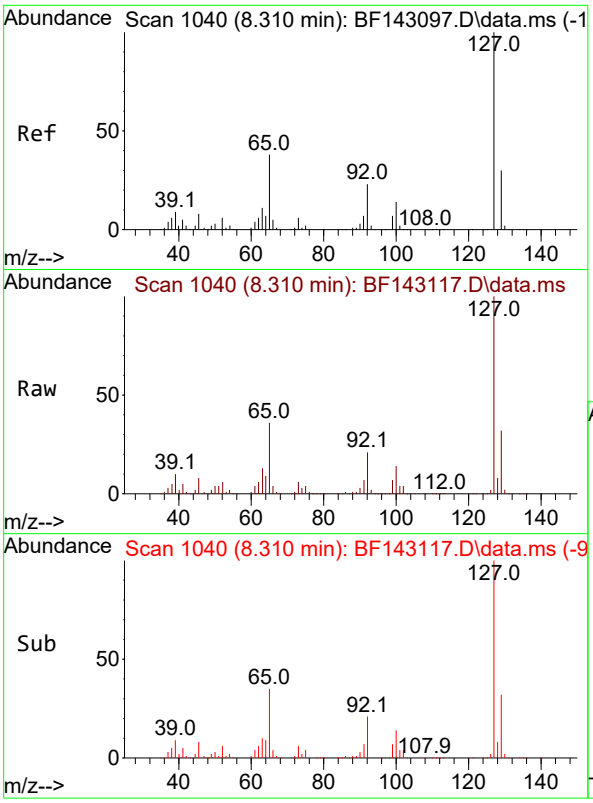




#32
Benzoic acid
Concen: 38.466 ng
RT: 7.987 min Scan# 985
Delta R.T. -0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:122 Resp: 150277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 128.6 | 105.4 | 145.4 |
| 77 | 102.1 | 78.6 | 118.6 |



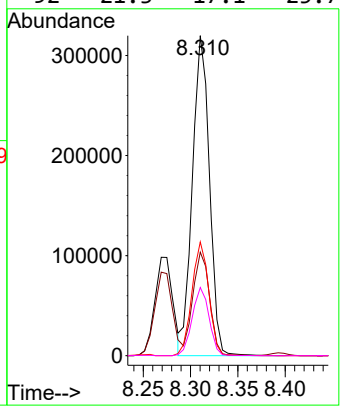


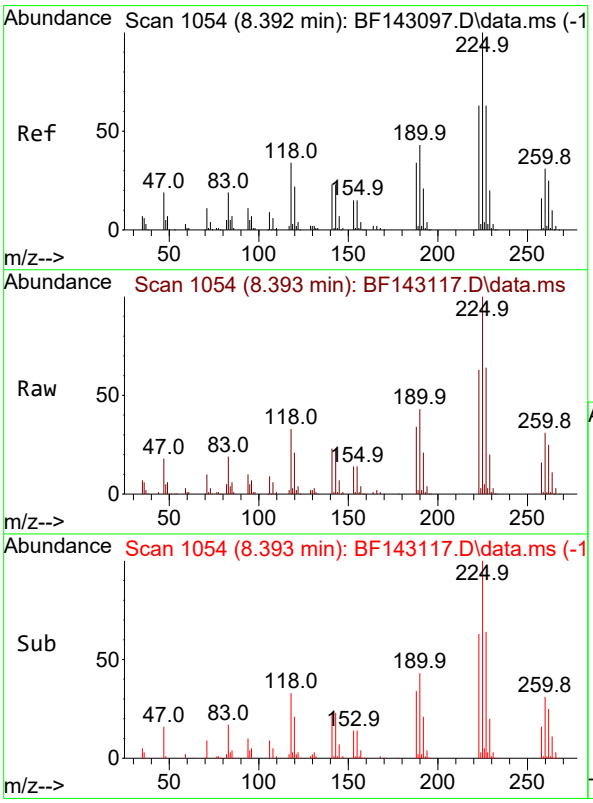

#33
4-Chloroaniline
Concen: 39.377 ng
RT: 8.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:127 Resp: 401159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.4 | 26.2 | 39.4 |
| 65 | 35.5 | 28.6 | 42.8 |
| 92 | 21.3 | 17.1 | 25.7 |

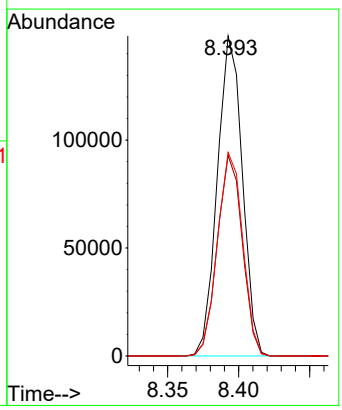


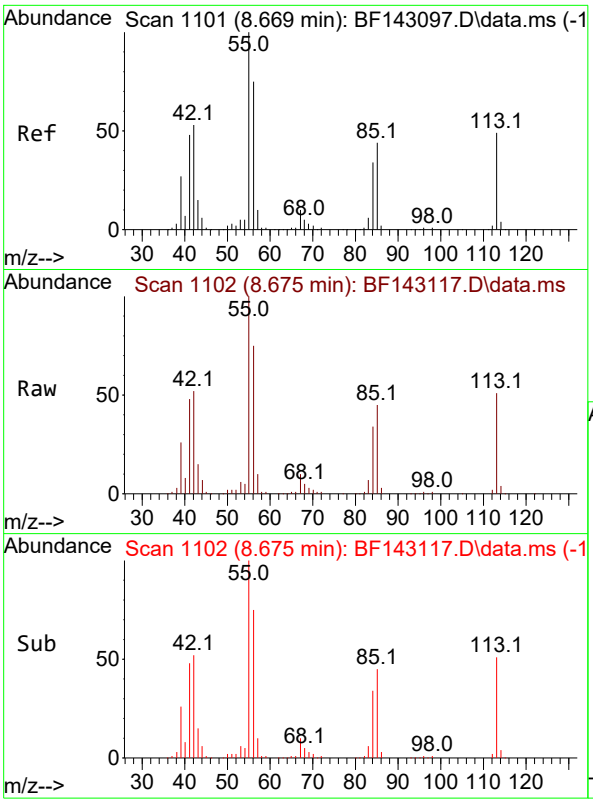




#34
Hexachlorobutadiene
Concen: 40.072 ng
RT: 8.393 min Scan# 1054
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:225 Resp: 181527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.6 | 50.3 | 75.5 |
| 227 | 63.6 | 50.1 | 75.1 |



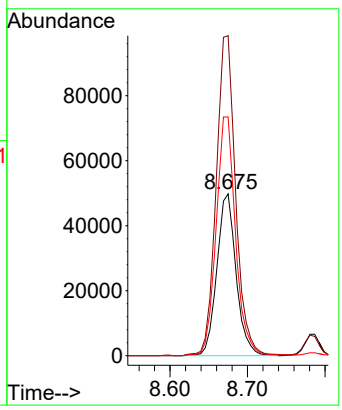


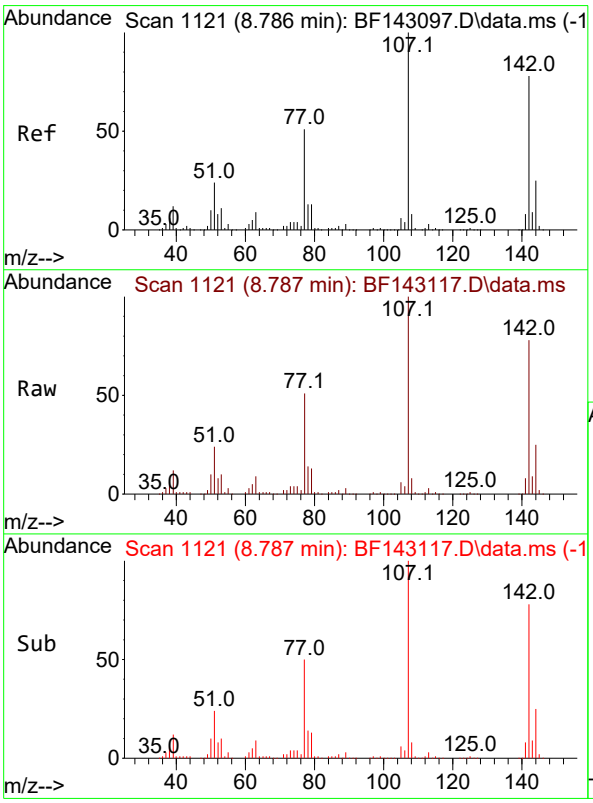

#35
Caprolactam
Concen: 41.190 ng
RT: 8.675 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:113 Resp: 85847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 197.8 | 186.2 | 226.2 |
| 56 | 147.6 | 134.1 | 174.1 |

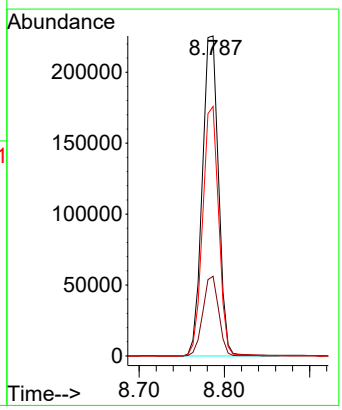


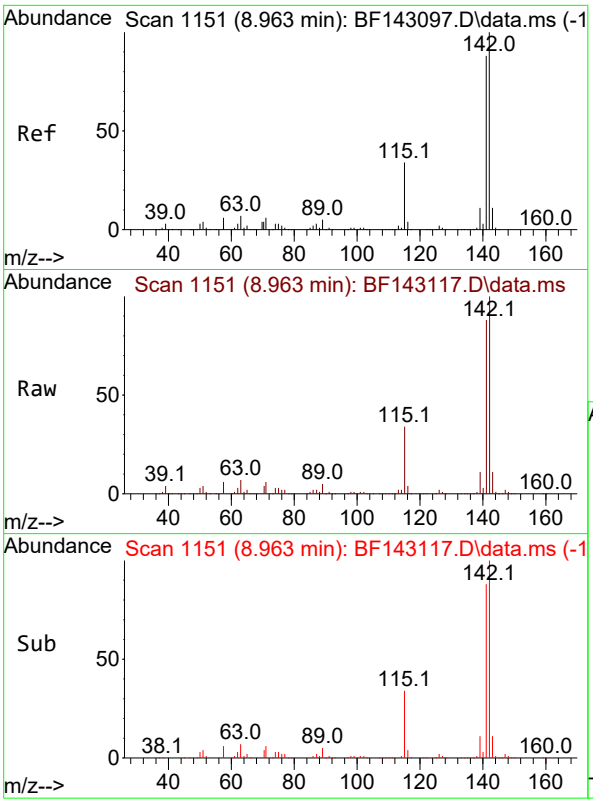




#36
4-Chloro-3-methylphenol
Concen: 40.192 ng
RT: 8.787 min Scan# 1121
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:107 Resp: 298817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.9 | 20.2 | 30.2 |
| 142 | 77.9 | 62.4 | 93.6 |



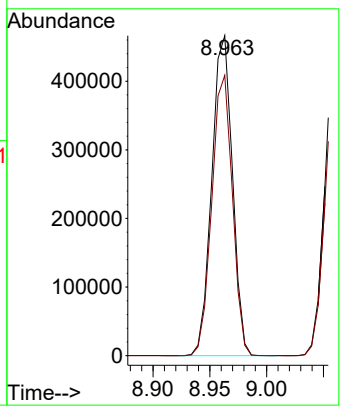


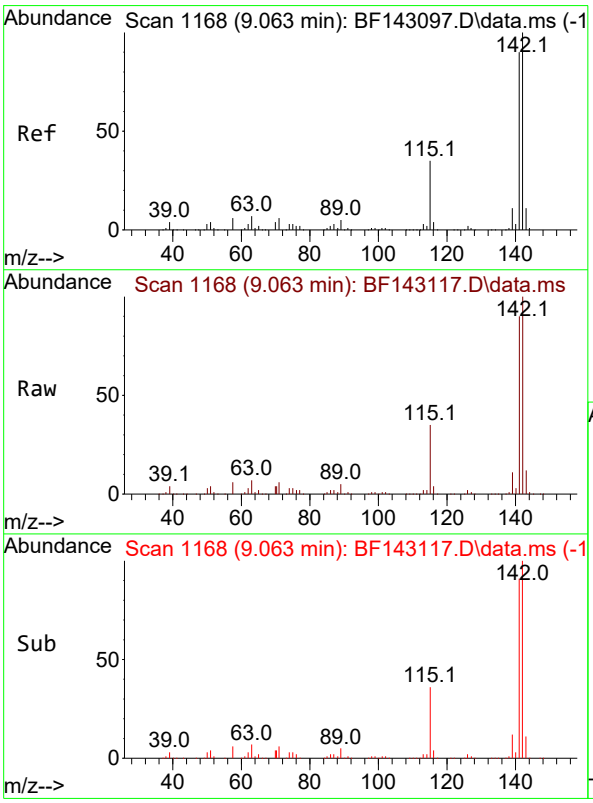

#37
2-Methylnaphthalene
Concen: 39.014 ng
RT: 8.963 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:142 Resp: 589636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.6 | 70.2 | 105.2 |

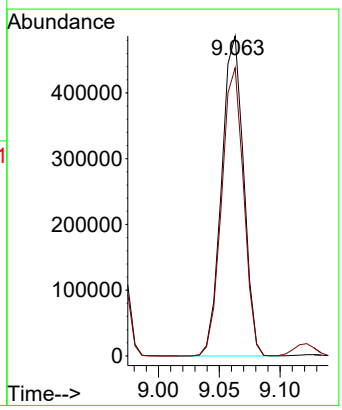


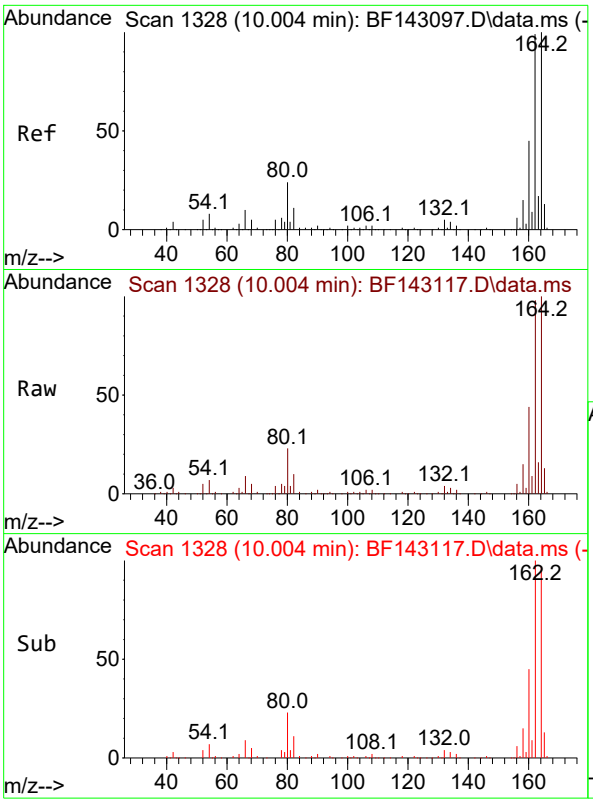




#38
1-Methylnaphthalene
Concen: 38.976 ng
RT: 9.063 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:142 Resp: 610968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.0 | 72.2 | 108.4 |



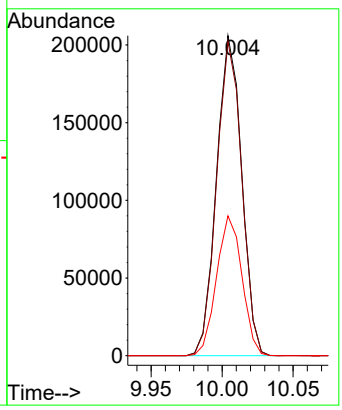


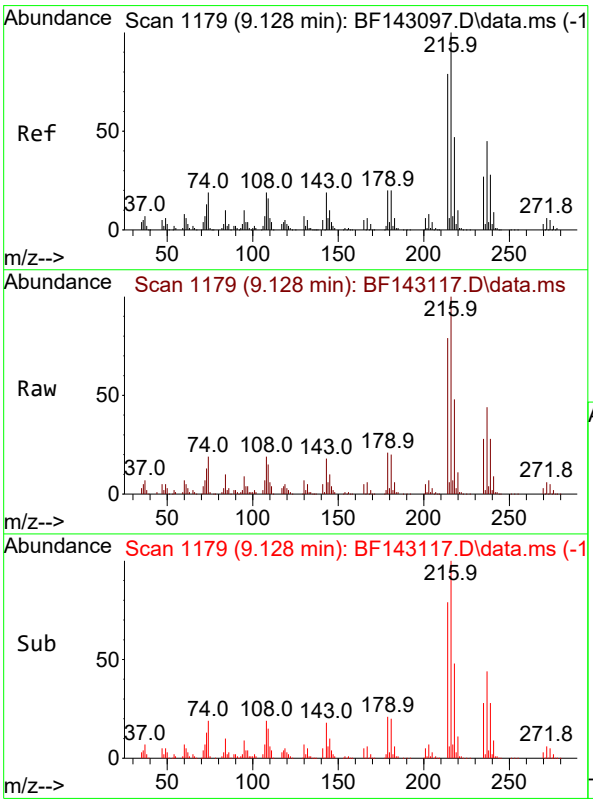

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:164 Resp: 254065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.2 | 79.0 | 118.6 |
| 160 | 43.7 | 35.8 | 53.6 |

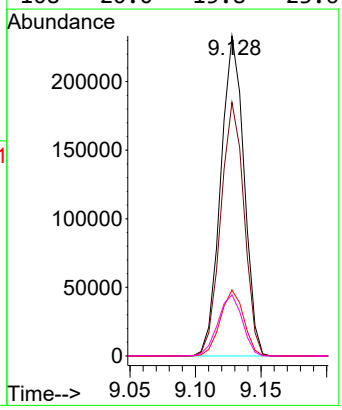


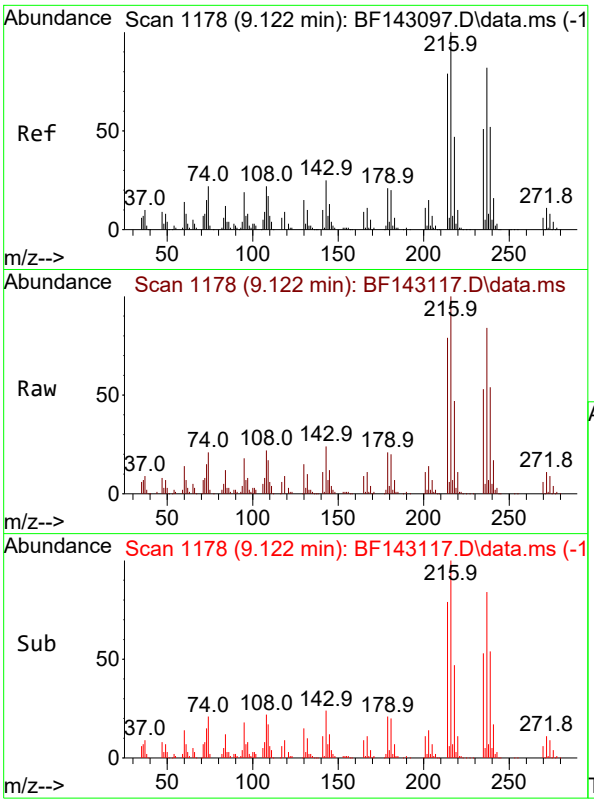




#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.885 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:216 Resp: 287903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.1 | 62.6 | 94.0 |
| 179 | 20.6 | 16.2 | 24.2 |
| 108 | 20.0 | 15.8 | 23.6 |



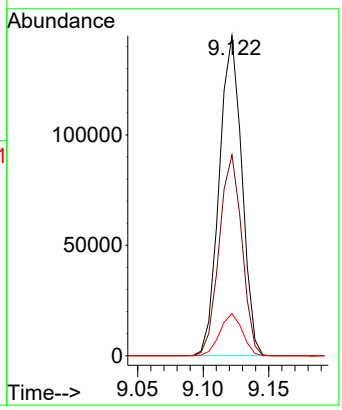


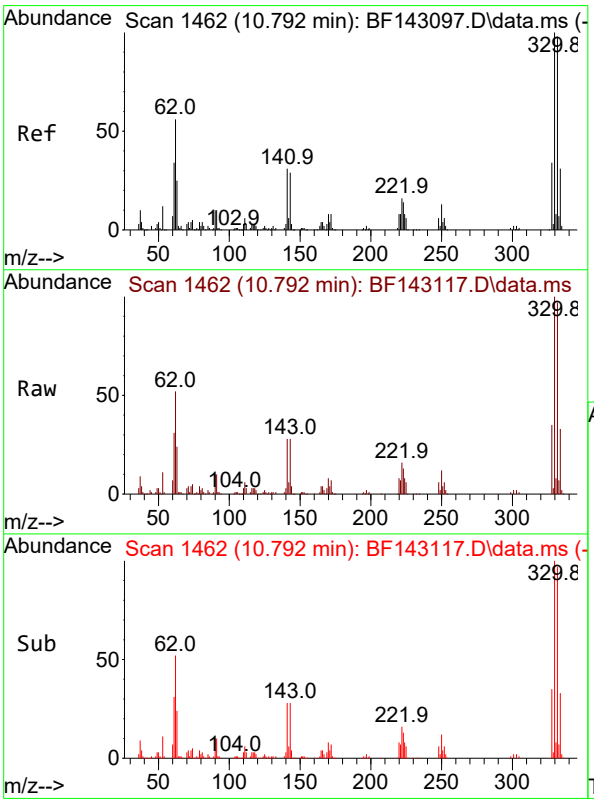

#41
Hexachlorocyclopentadiene
Concen: 42.225 ng
RT: 9.122 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:237 Resp: 173333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.7 | 41.6 | 81.6 |
| 272 | 13.1 | 0.0 | 32.9 |

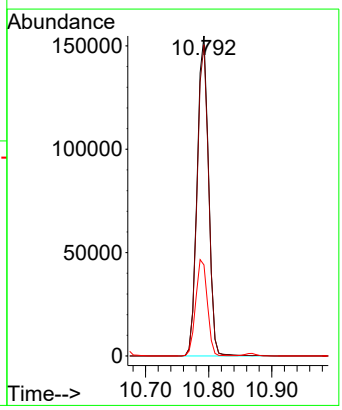


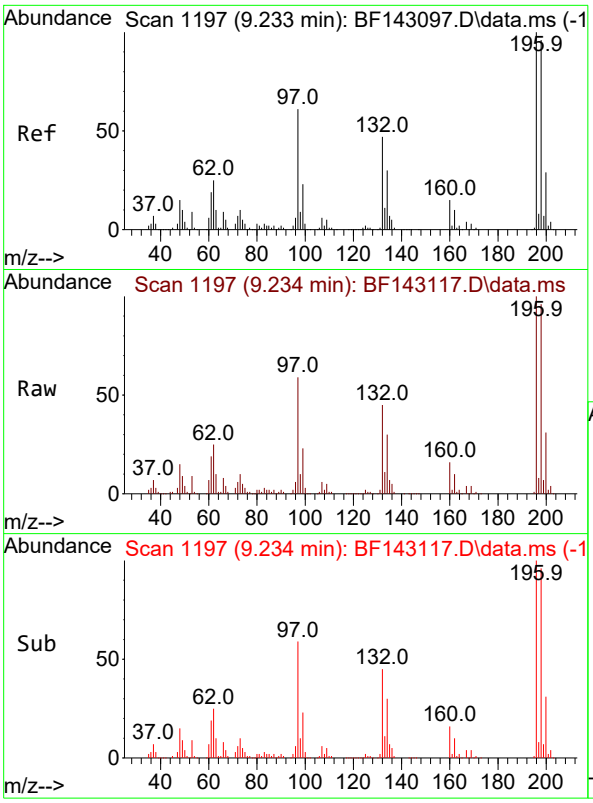




#42
2,4,6-Tribromophenol
Concen: 85.634 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:330 Resp: 193992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.0 | 77.9 | 116.9 |
| 141 | 30.8 | 25.9 | 38.9 |



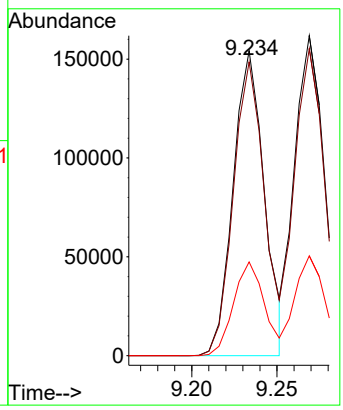


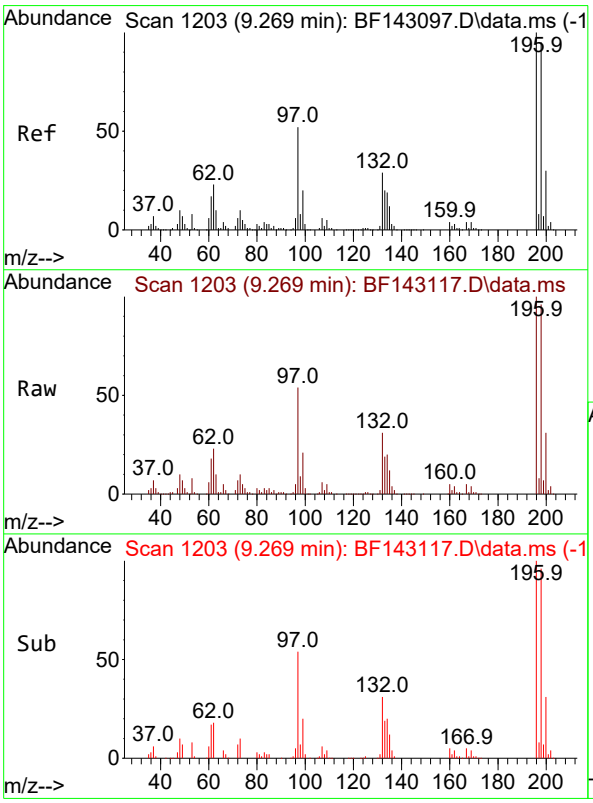

#43
2,4,6-Trichlorophenol
Concen: 42.600 ng
RT: 9.234 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:196 Resp: 195982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.3 | 76.9 | 115.3 |
| 200 | 30.7 | 23.5 | 35.3 |

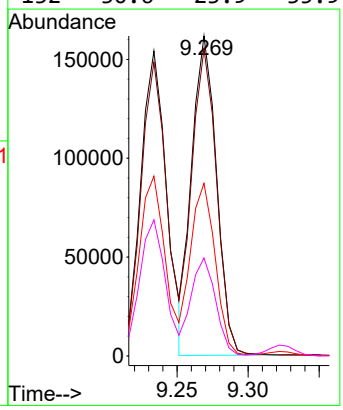


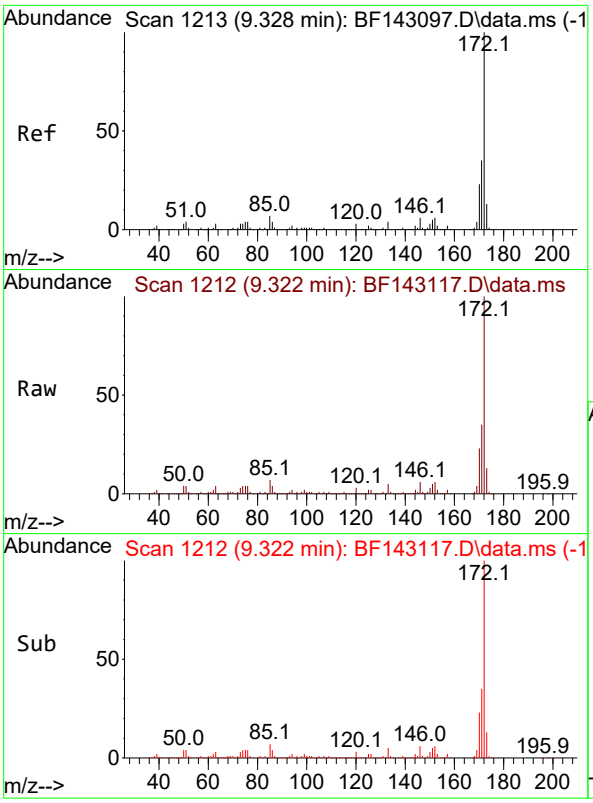




#44
2,4,5-Trichlorophenol
Concen: 40.747 ng
RT: 9.269 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:196 Resp: 196557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.9 | 76.4 | 114.6 |
| 97 | 53.9 | 42.4 | 63.6 |
| 132 | 30.6 | 23.9 | 35.9 |



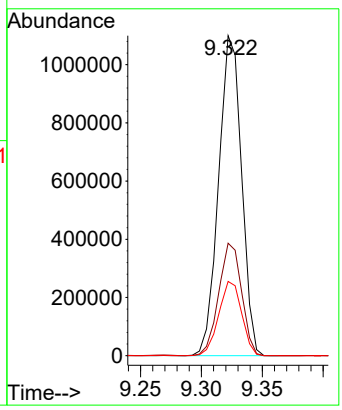


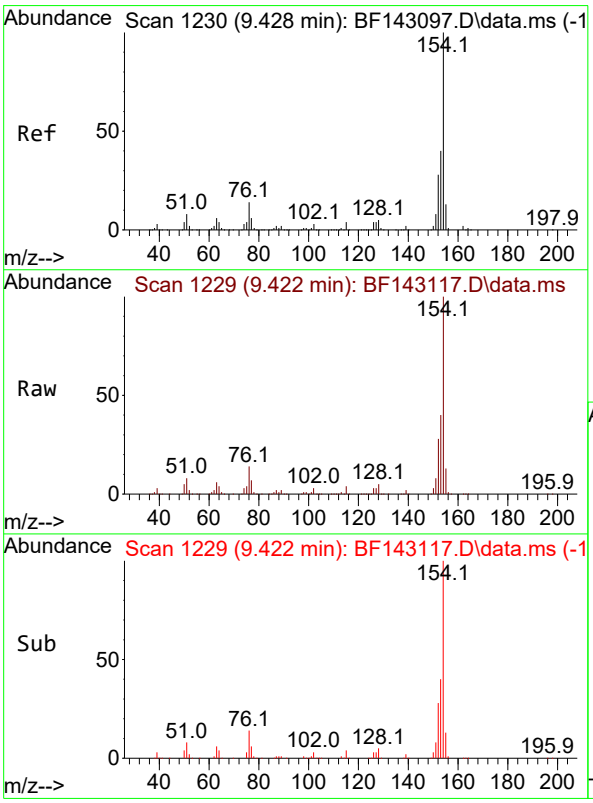

#45
2-Fluorobiphenyl
Concen: 75.570 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:172 Resp: 1444367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.1 | 28.2 | 42.4 |
| 170 | 23.2 | 18.6 | 28.0 |

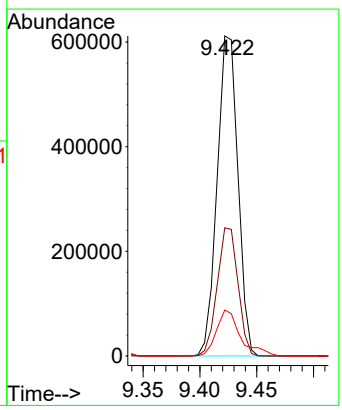


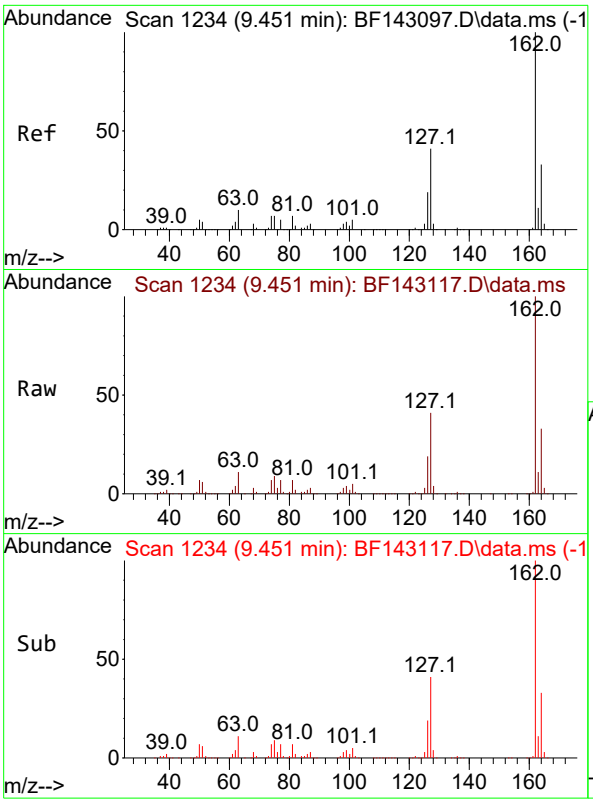




#46
1,1'-Biphenyl
Concen: 38.466 ng
RT: 9.422 min Scan# 1229
Delta R.T. -0.006 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:154 Resp: 779366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.0 | 20.1 | 60.1 |
| 76 | 14.3 | 0.0 | 33.7 |



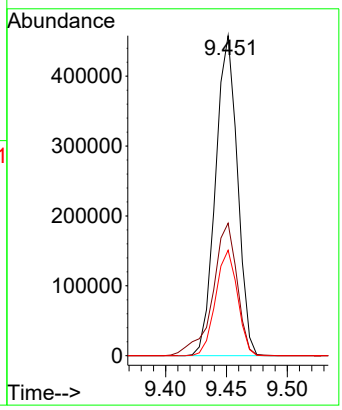


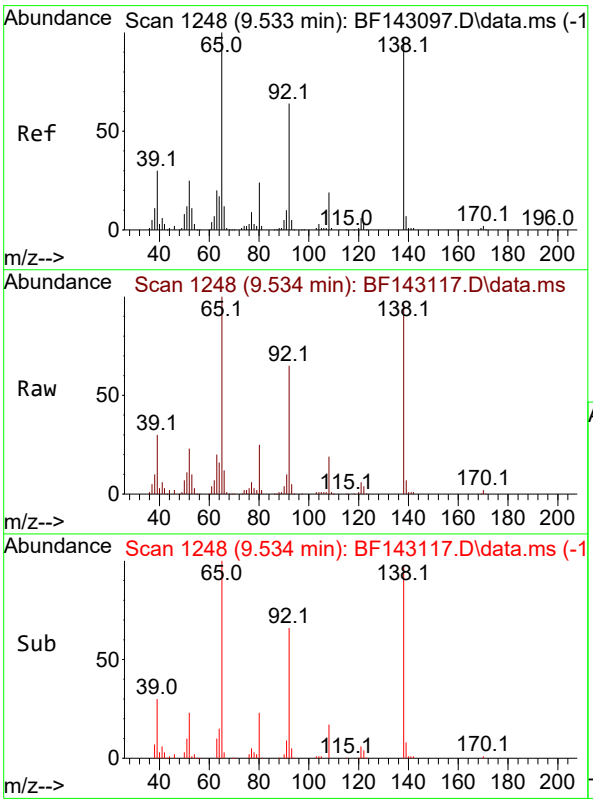

#47
2-Chloronaphthalene
Concen: 38.546 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 573731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.4 | 33.0 | 49.6 |
| 164 | 32.9 | 26.1 | 39.1 |

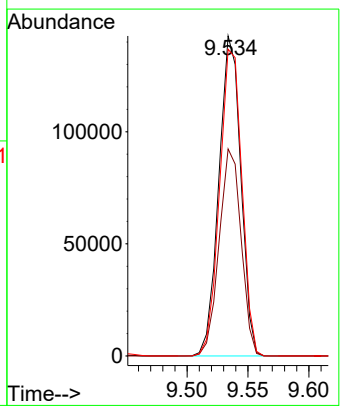


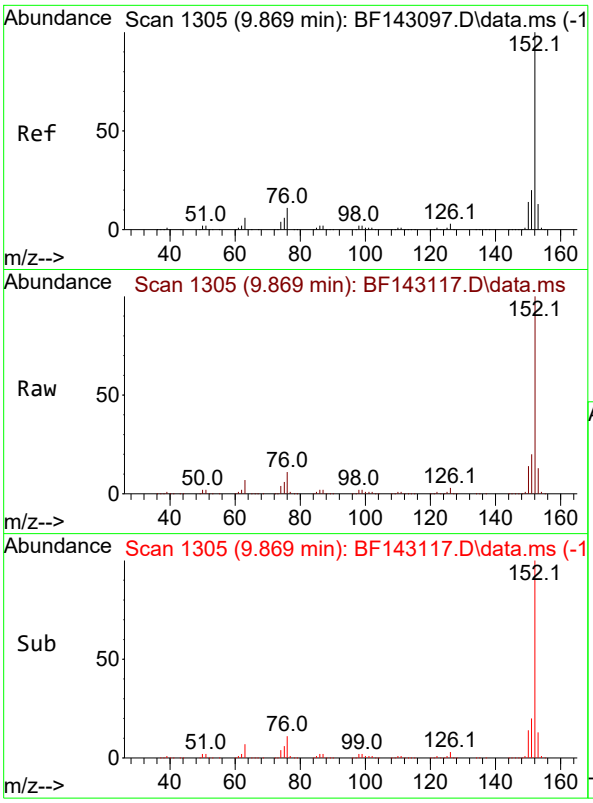




#48
2-Nitroaniline
Concen: 40.710 ng
RT: 9.534 min Scan# 1248
Delta R.T. 0.001 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion: 65 Resp: 178618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 64.7 | 51.3 | 76.9 |
| 138 | 95.9 | 77.8 | 116.6 |



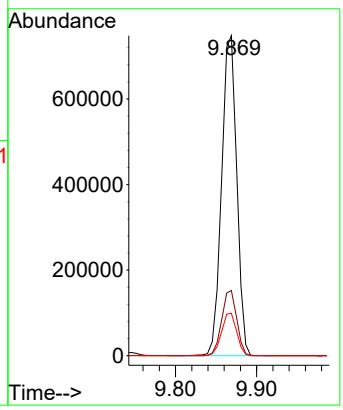


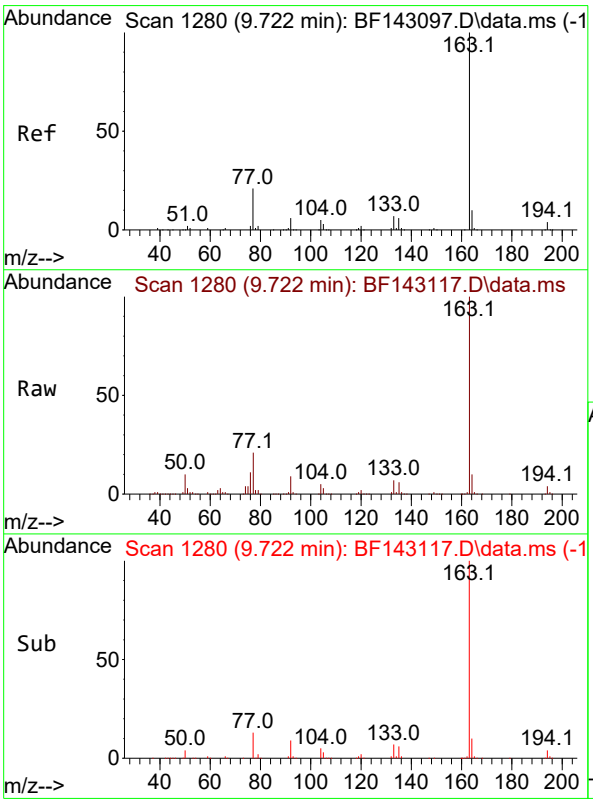

#49
Acenaphthylene
Concen: 39.176 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 971647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 15.8 | 23.8 |
| 153 | 13.3 | 10.4 | 15.6 |

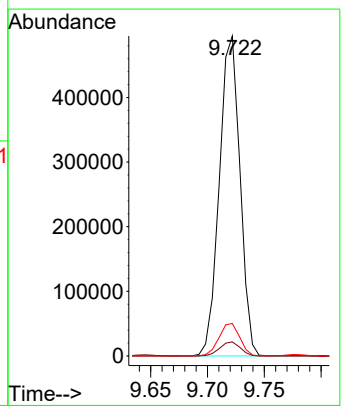


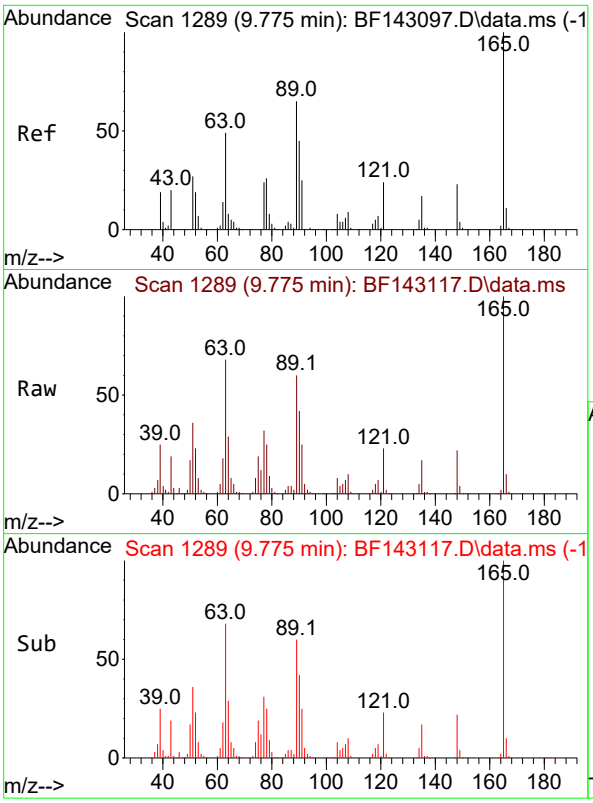




#50
Dimethylphthalate
Concen: 39.291 ng
RT: 9.722 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:163 Resp: 628010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.4 | 3.4 | 5.2 |
| 164 | 10.2 | 8.2 | 12.2 |



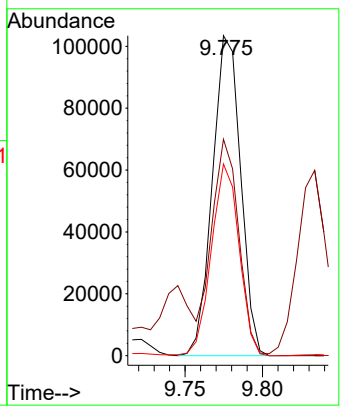


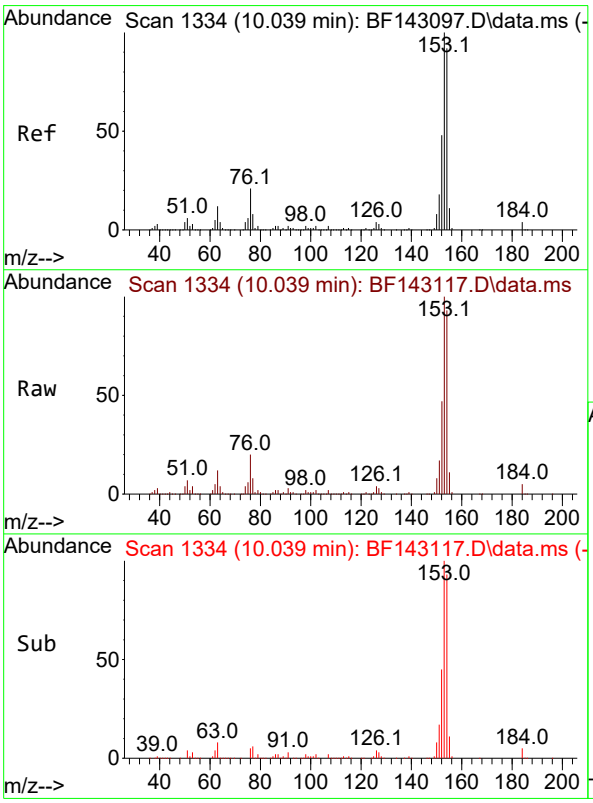

#51
2,6-Dinitrotoluene
Concen: 41.829 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 130906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 67.7 | 57.4 | 86.0 |
| 89 | 59.9 | 51.8 | 77.8 |

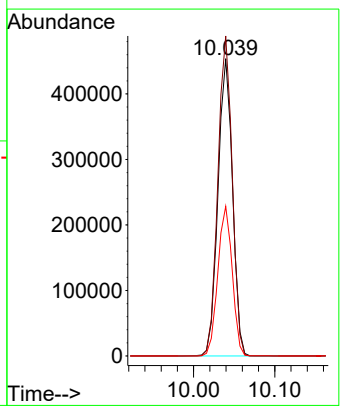


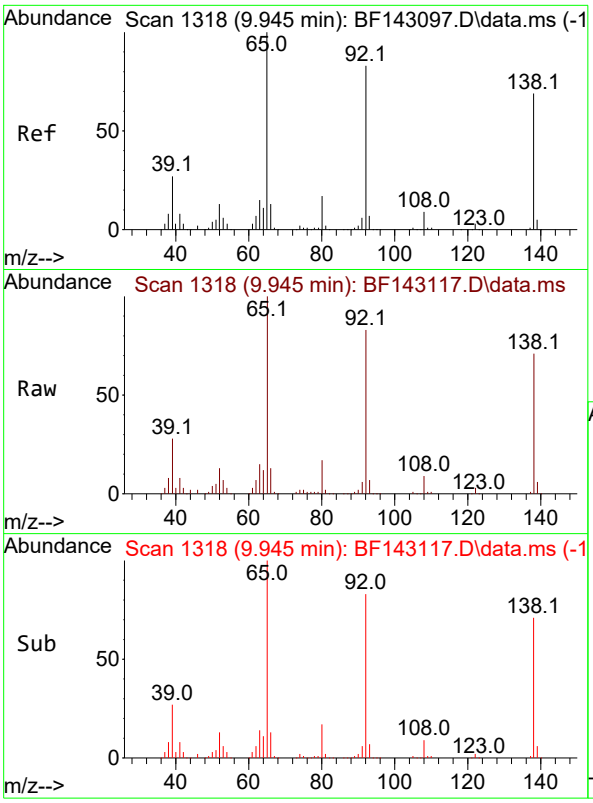




#52
Acenaphthene
Concen: 38.701 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:154 Resp: 566434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 107.6 | 86.7 | 130.1 |
| 152 | 50.3 | 41.4 | 62.2 |



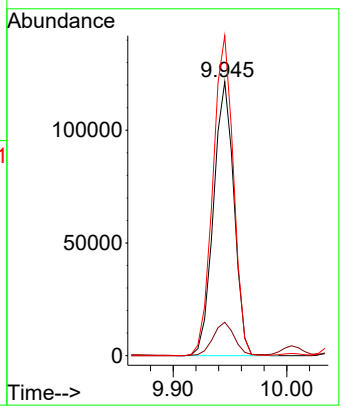


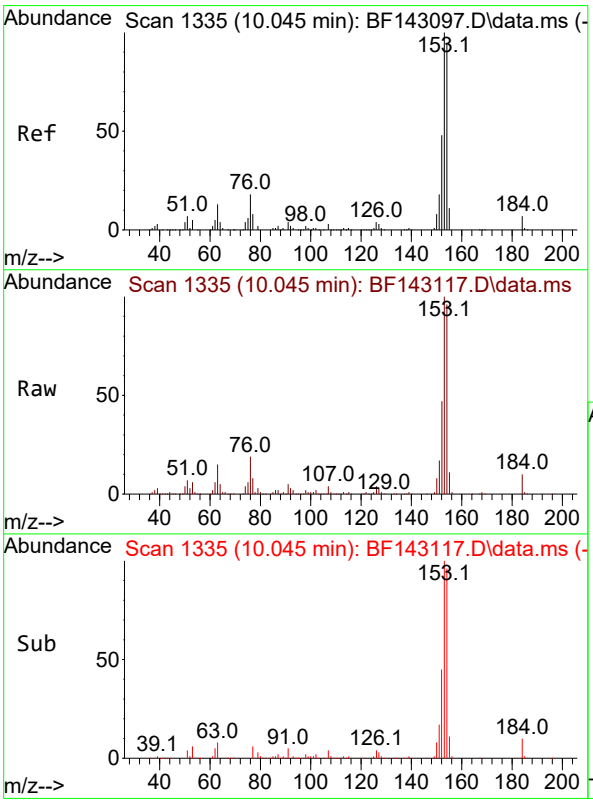

#53
3-Nitroaniline
Concen: 43.942 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:138 Resp: 151765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 12.2 | 10.1 | 15.1 |
| 92 | 116.8 | 96.4 | 144.6 |

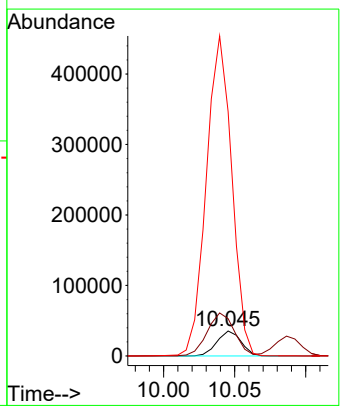


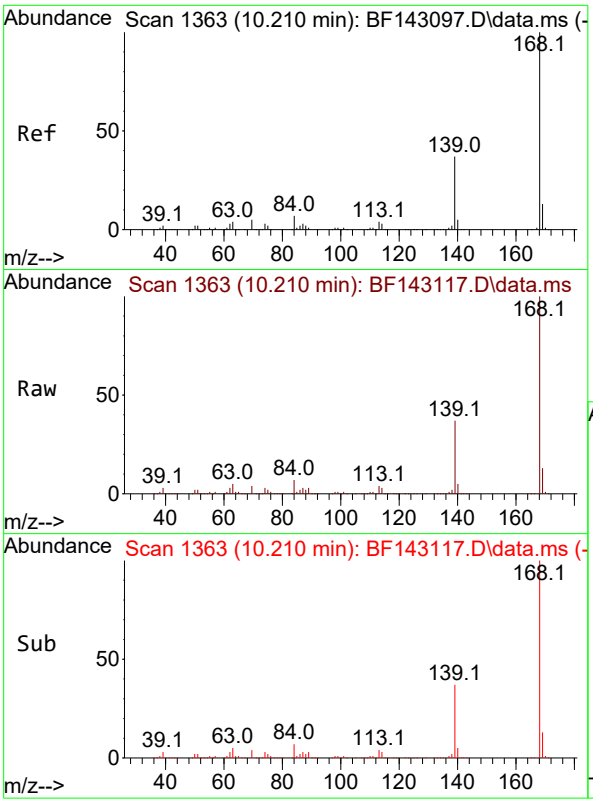




#54
2,4-Dinitrophenol
Concen: 42.980 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:184 Resp: 41904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 149.9 | 149.3 | 223.9 |
| 154 | 980.5 | 1048.0 | 1572.0# |



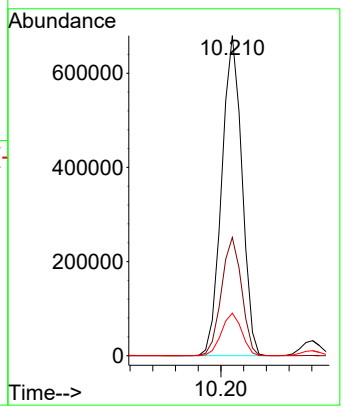


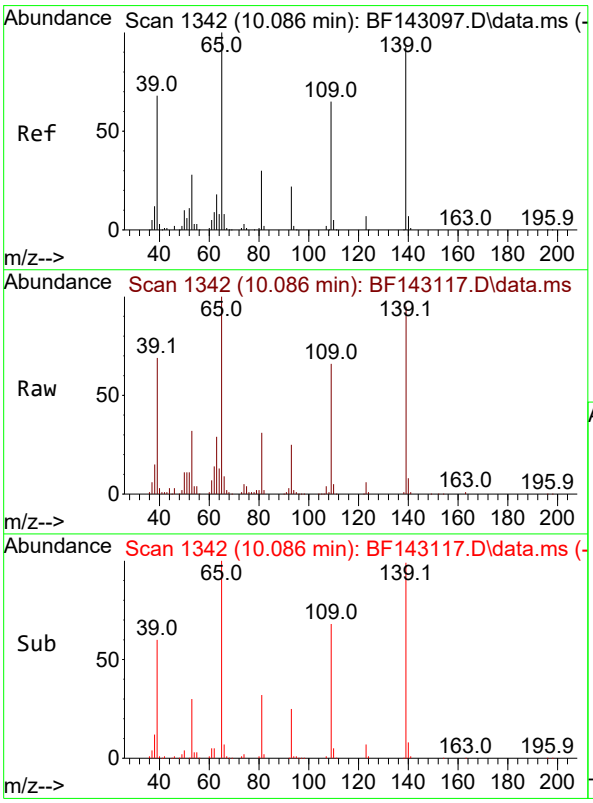

#55
Dibenzofuran
Concen: 38.413 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:168 Resp: 838011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.0 | 29.8 | 44.6 |
| 169 | 13.3 | 10.8 | 16.2 |

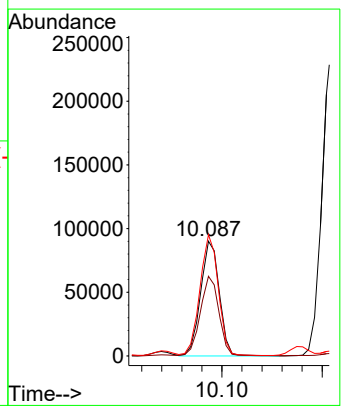


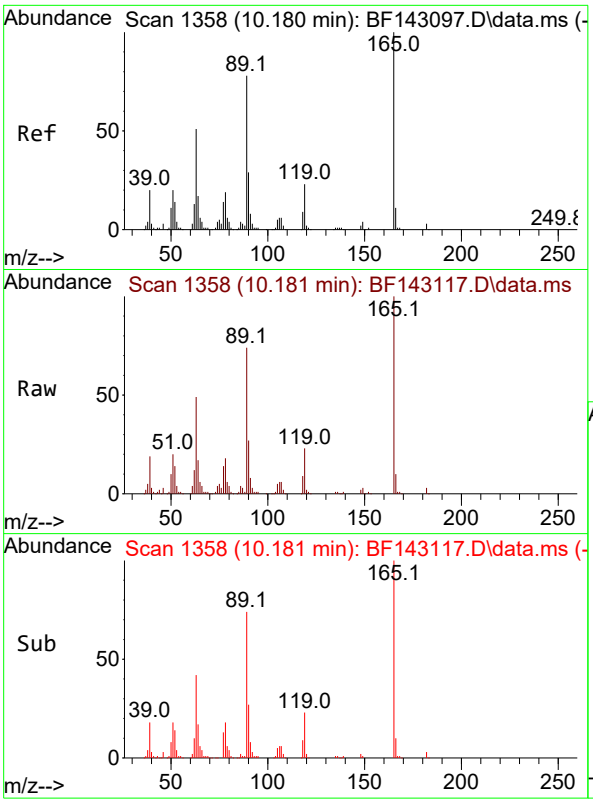




#56
4-Nitrophenol
Concen: 42.650 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:139 Resp: 117068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 69.5 | 49.4 | 89.4 |
| 65 | 105.7 | 88.2 | 128.2 |



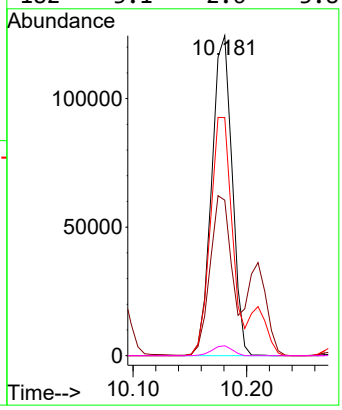


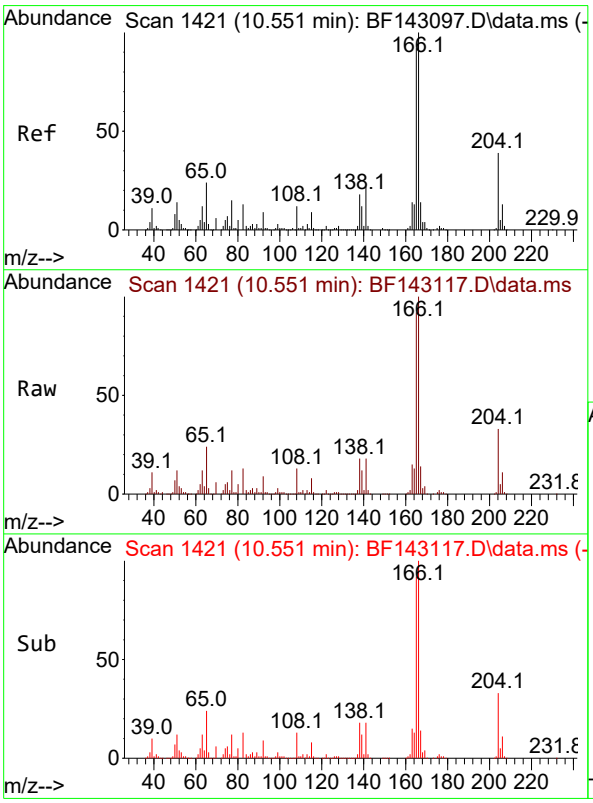

#57
2,4-Dinitrotoluene
Concen: 40.106 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 155813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 48.6 | 40.6 | 61.0 |
| 89 | 74.4 | 62.3 | 93.5 |
| 182 | 3.1 | 2.6 | 3.8 |

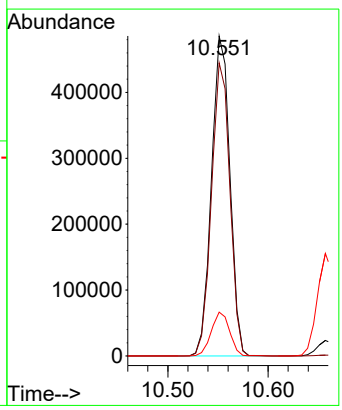


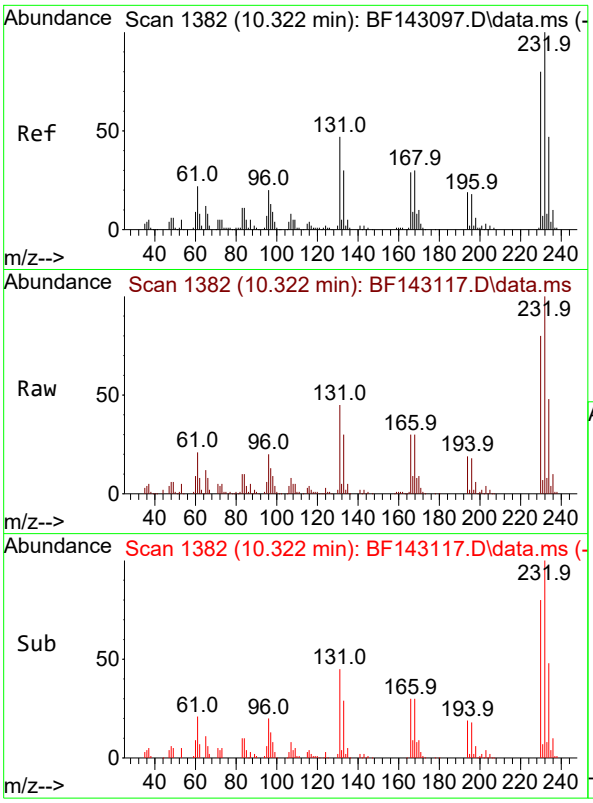




#58
Fluorene
Concen: 37.875 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:166 Resp: 619482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 91.6 | 73.7 | 110.5 |
| 167 | 13.7 | 10.9 | 16.3 |



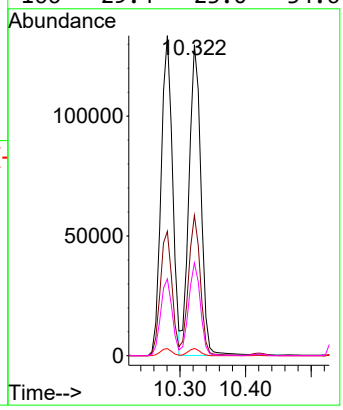


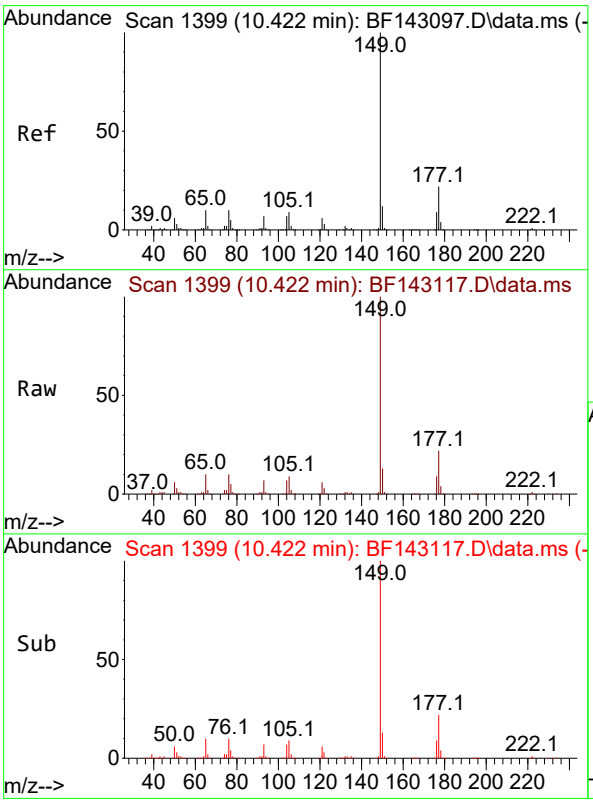

#59
2,3,4,6-Tetrachlorophenol
Concen: 42.914 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:232 Resp: 164509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 44.1 | 36.9 | 55.3 |
| 130 | 2.3 | 1.8 | 2.8 |
| 166 | 29.4 | 23.0 | 34.6 |

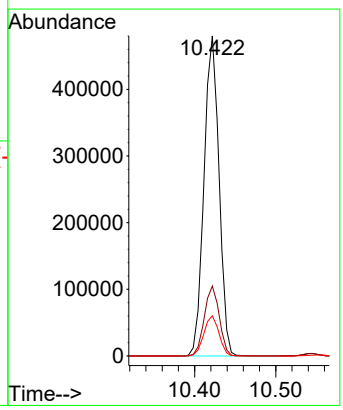


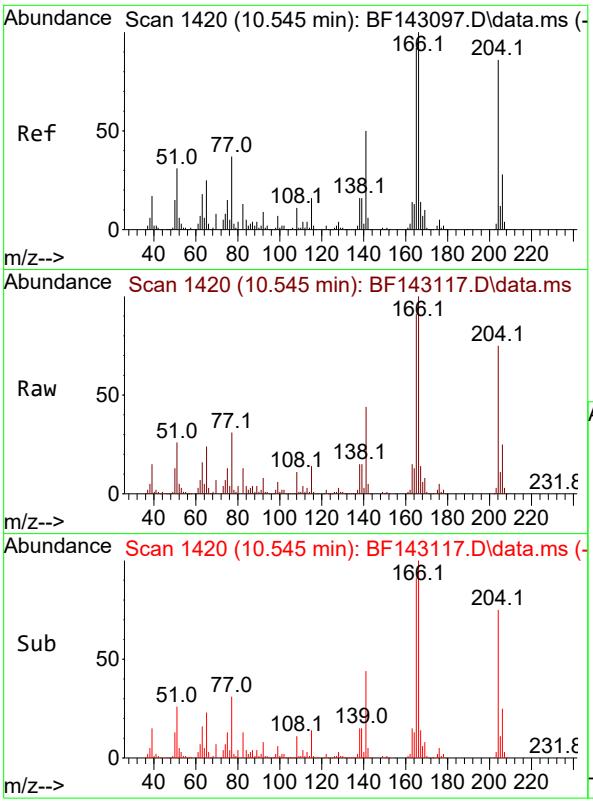




#60
Diethylphthalate
Concen: 39.920 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:149 Resp: 615586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.8 | 17.3 | 25.9 |
| 150 | 12.6 | 9.9 | 14.9 |



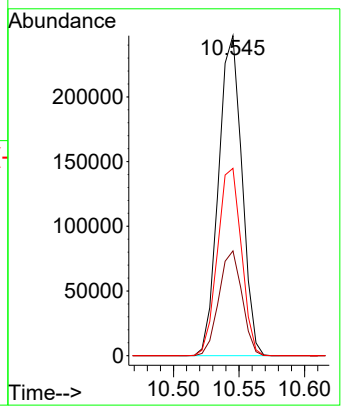


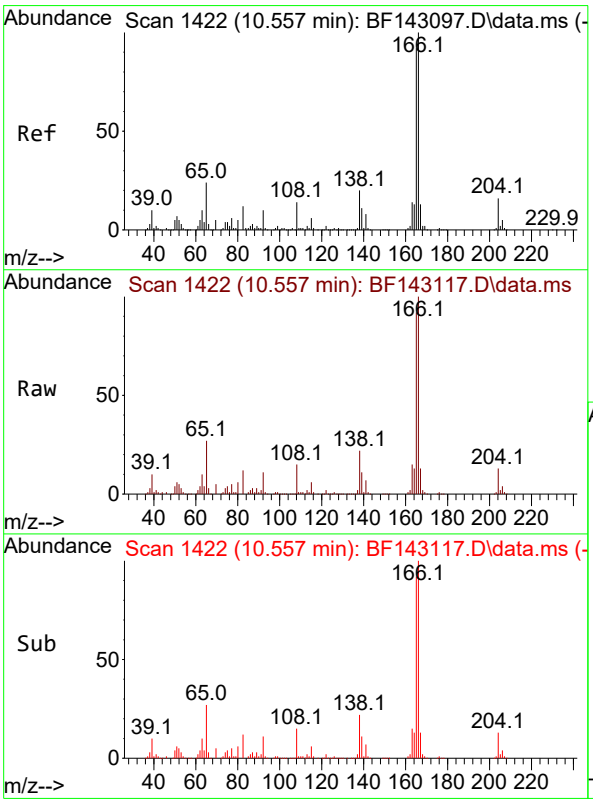

#61
4-Chlorophenyl-phenylether
Concen: 39.072 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:204 Resp: 306293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.7 | 25.8 | 38.6 |
| 141 | 58.6 | 46.8 | 70.2 |

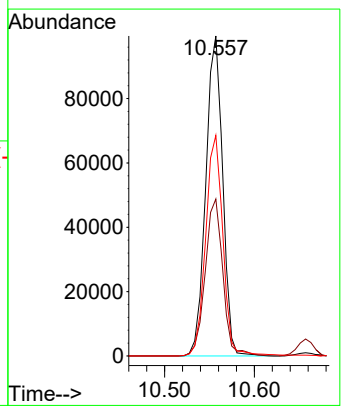


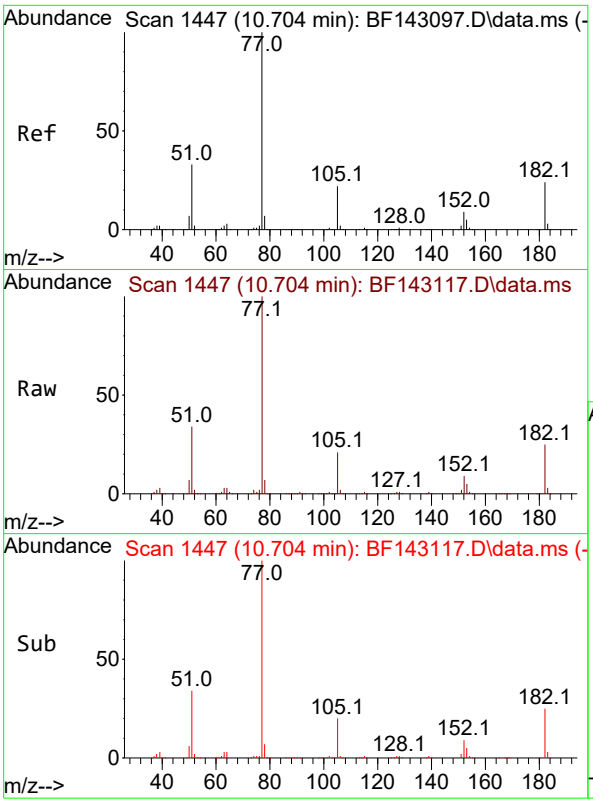




#62
4-Nitroaniline
Concen: 43.204 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:138 Resp: 129761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.1 | 30.4 | 70.4 |
| 108 | 68.9 | 49.5 | 89.5 |



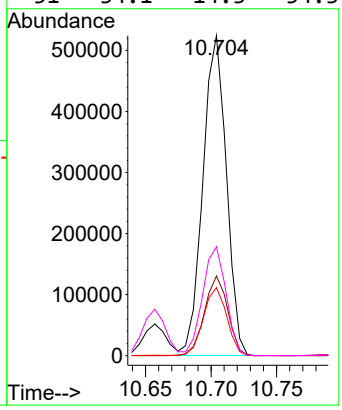


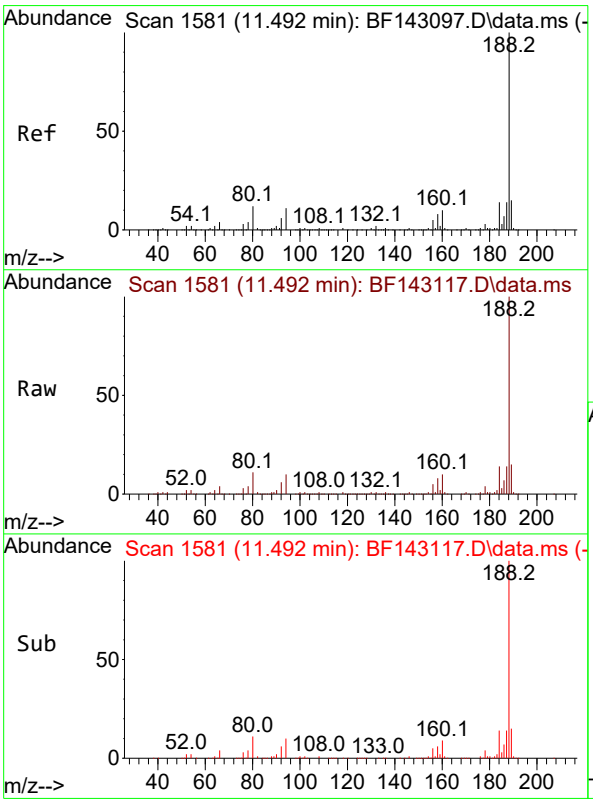

#63
Azobenzene
Concen: 38.265 ng
RT: 10.704 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 652575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 24.9 | 4.0 | 44.0 |
| 105 | 21.3 | 1.4 | 41.4 |
| 51 | 34.1 | 14.3 | 54.3 |

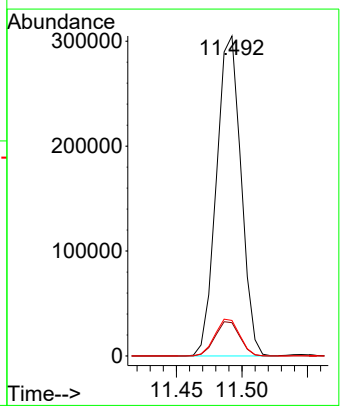


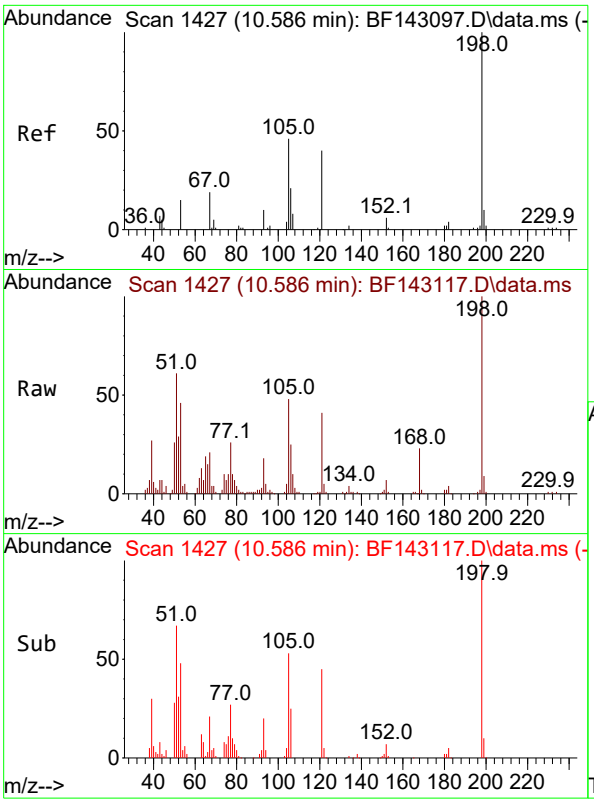




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:188 Resp: 397173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.4 | 8.6 | 13.0 |
| 80 | 11.1 | 9.3 | 13.9 |



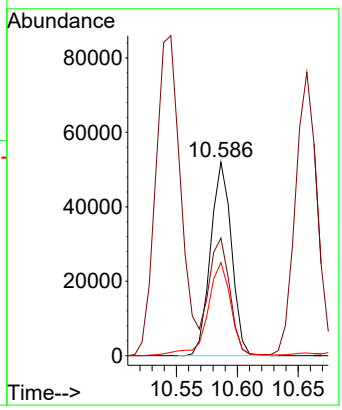


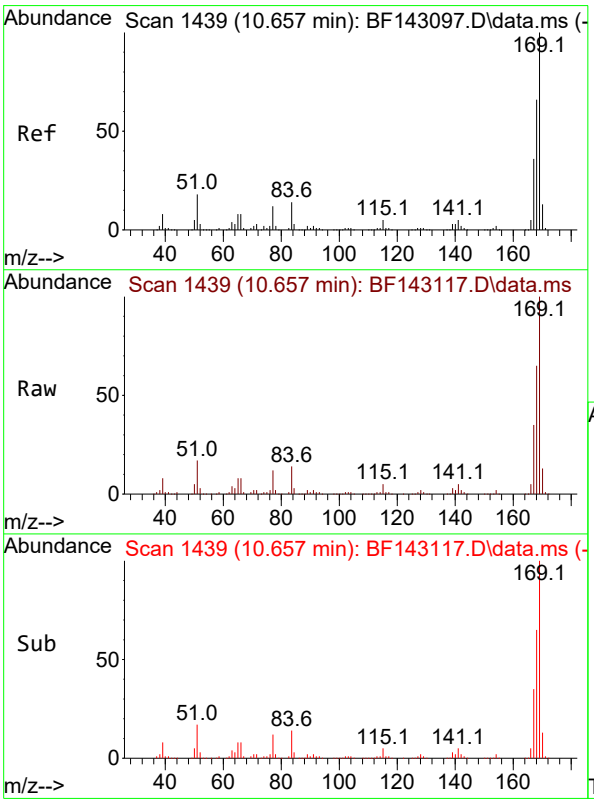

#65
4,6-Dinitro-2-methylphenol
Concen: 43.295 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:198 Resp: 62192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 60.8 | 44.6 | 84.6 |
| 105 | 48.2 | 29.3 | 69.3 |

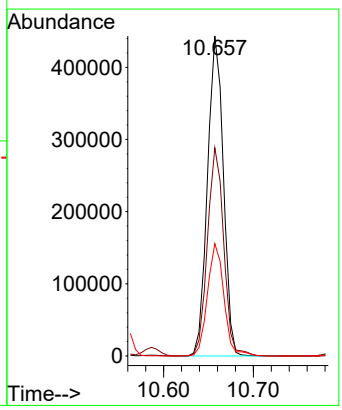


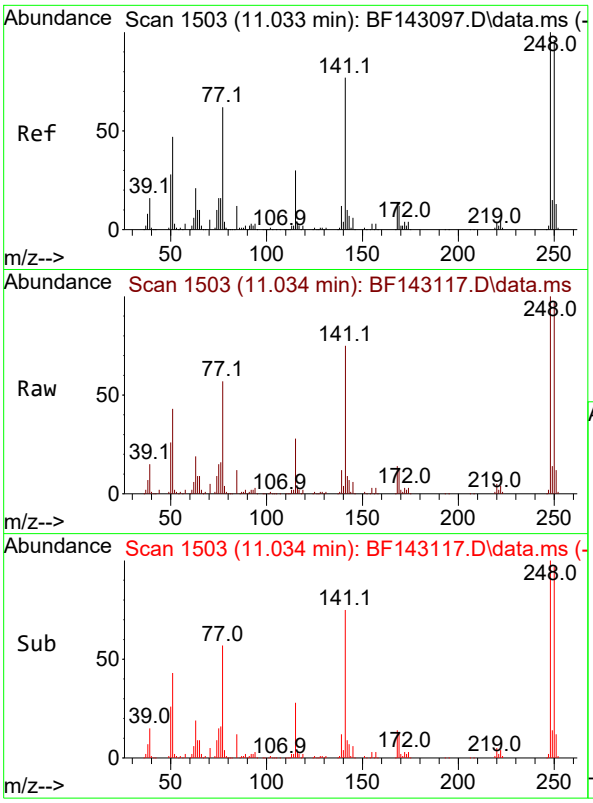




#66
n-Nitrosodiphenylamine
Concen: 39.129 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:169 Resp: 545898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.1 | 53.0 | 79.6 |
| 167 | 35.1 | 28.4 | 42.6 |



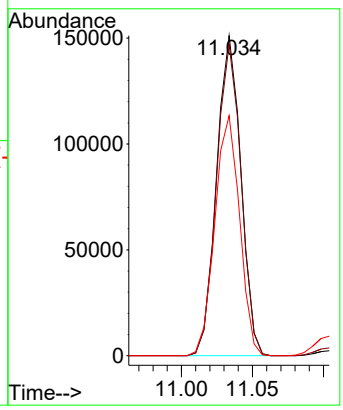


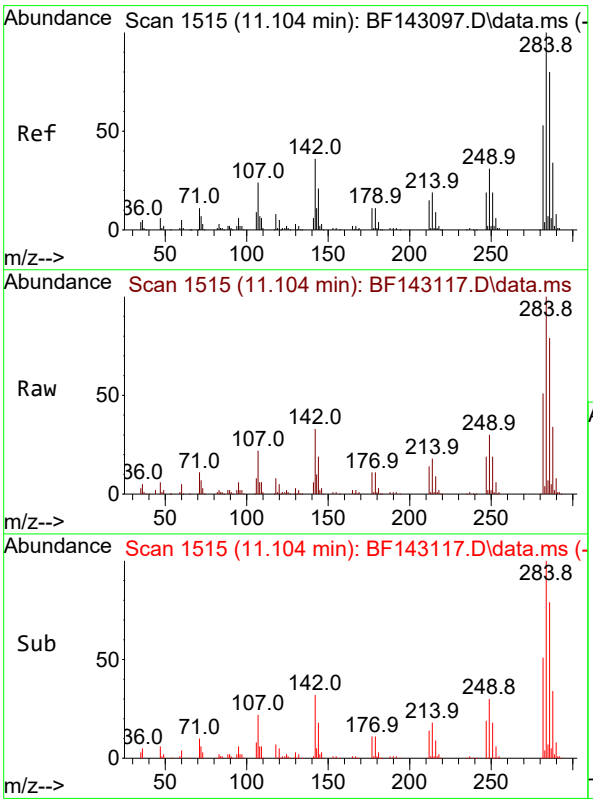

#67
4-Bromophenyl-phenylether
Concen: 39.949 ng
RT: 11.034 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:248 Resp: 180440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.3 | 76.7 | 115.1 |
| 141 | 75.0 | 61.7 | 92.5 |

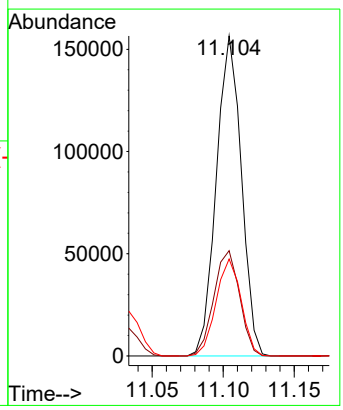


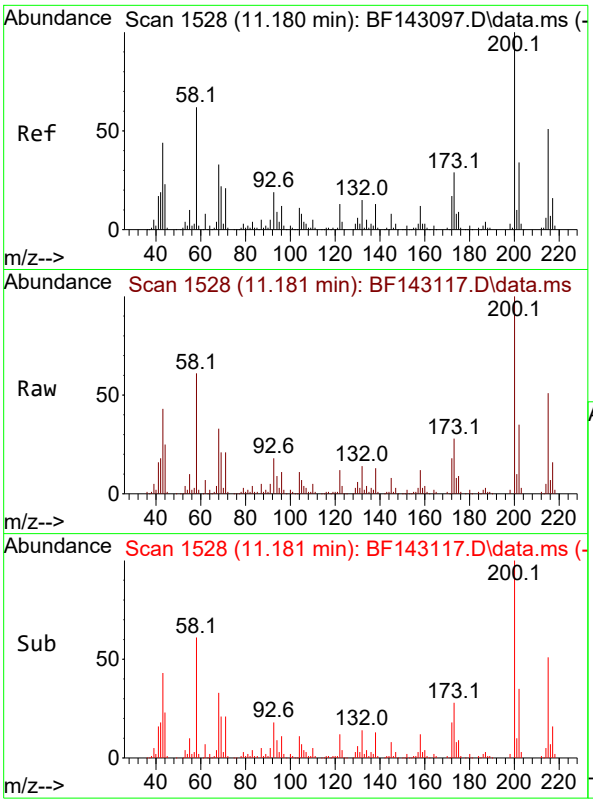




#68
Hexachlorobenzene
Concen: 39.950 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:284 Resp: 191457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.9 | 28.9 | 43.3 |
| 249 | 30.3 | 24.6 | 37.0 |



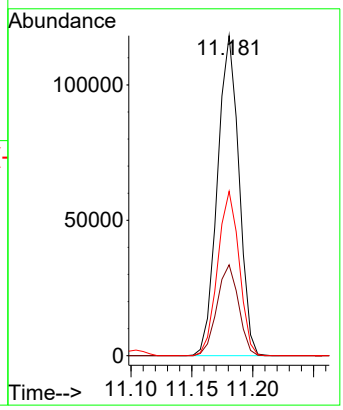


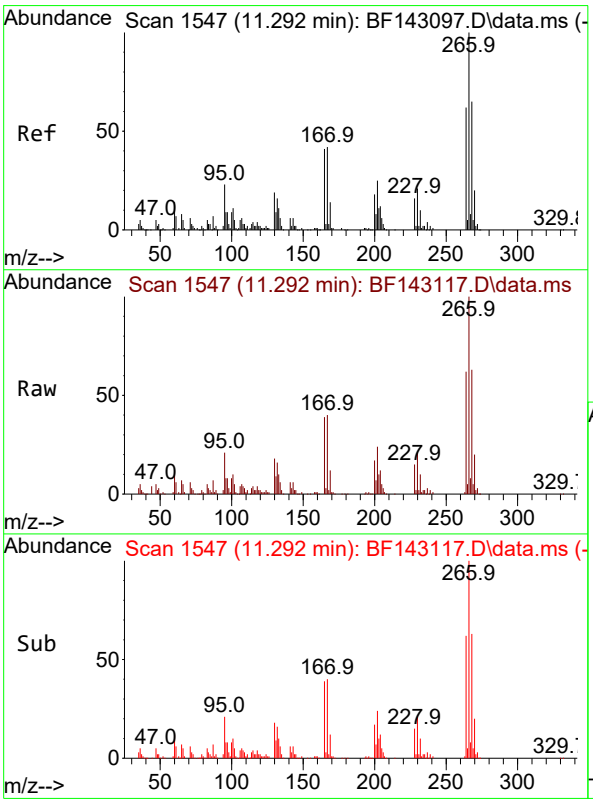

#69
Atrazine
Concen: 40.708 ng
RT: 11.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:200 Resp: 145300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 28.4 | 9.1 | 49.1 |
| 215 | 51.4 | 31.0 | 71.0 |

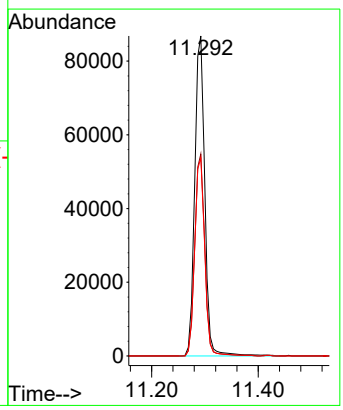


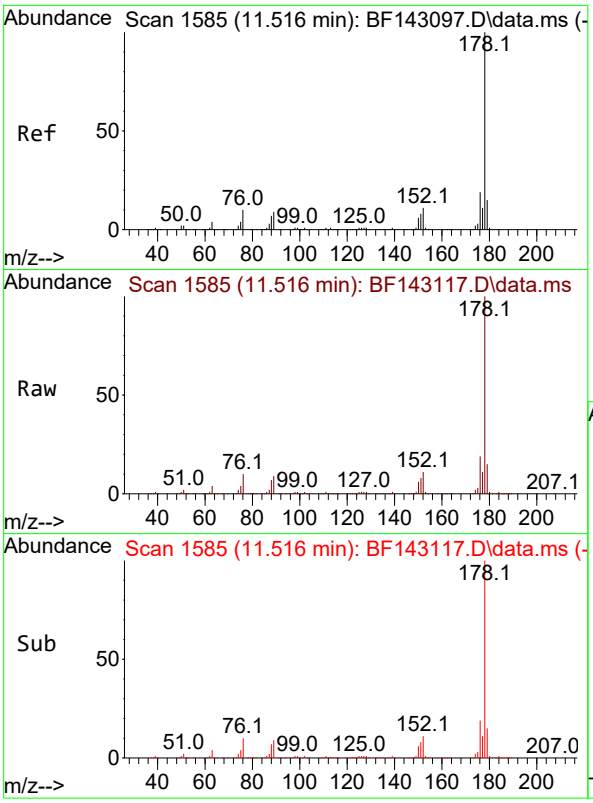




#70
Pentachlorophenol
Concen: 43.376 ng
RT: 11.292 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:266 Resp: 114049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.1 | 51.8 | 77.6 |
| 264 | 62.0 | 49.7 | 74.5 |



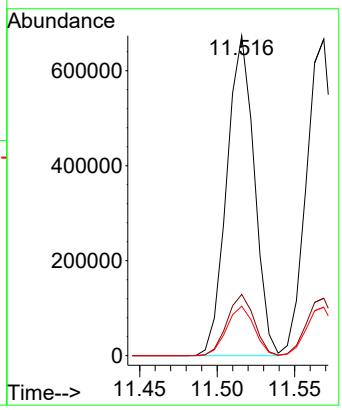


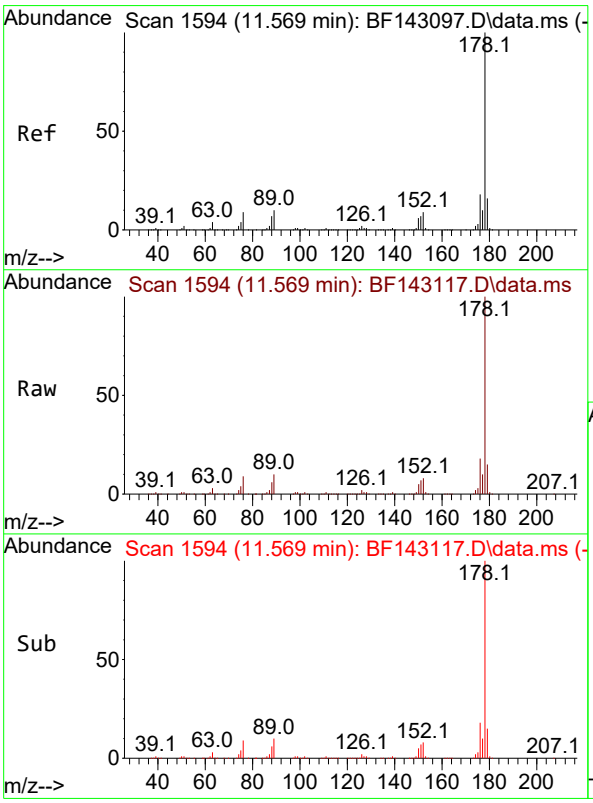

#71
Phenanthrene
Concen: 38.780 ng
RT: 11.516 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:178 Resp: 831246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.1 | 22.7 |
| 179 | 15.4 | 12.2 | 18.4 |

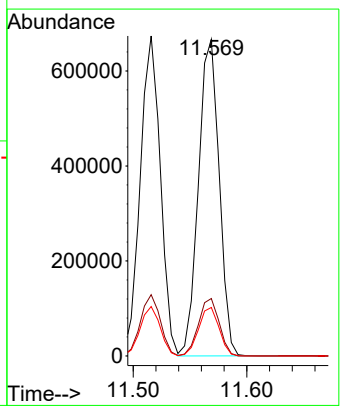


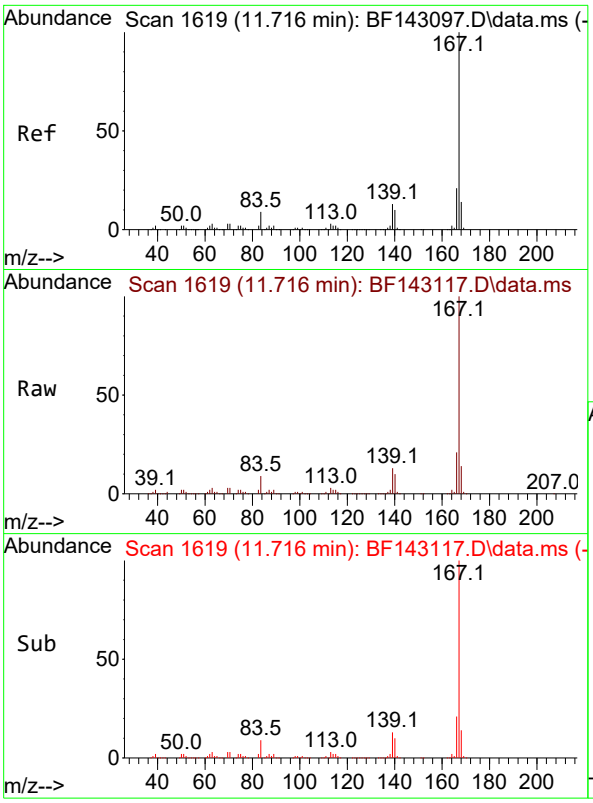




#72
Anthracene
Concen: 39.169 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:178 Resp: 844296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.1 | 14.7 | 22.1 |
| 179 | 15.3 | 12.4 | 18.6 |



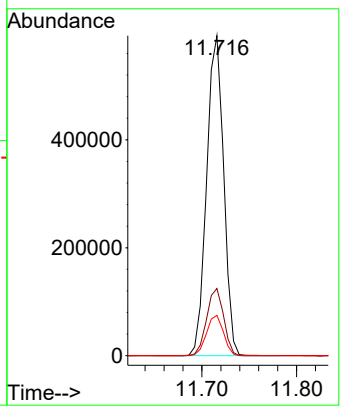


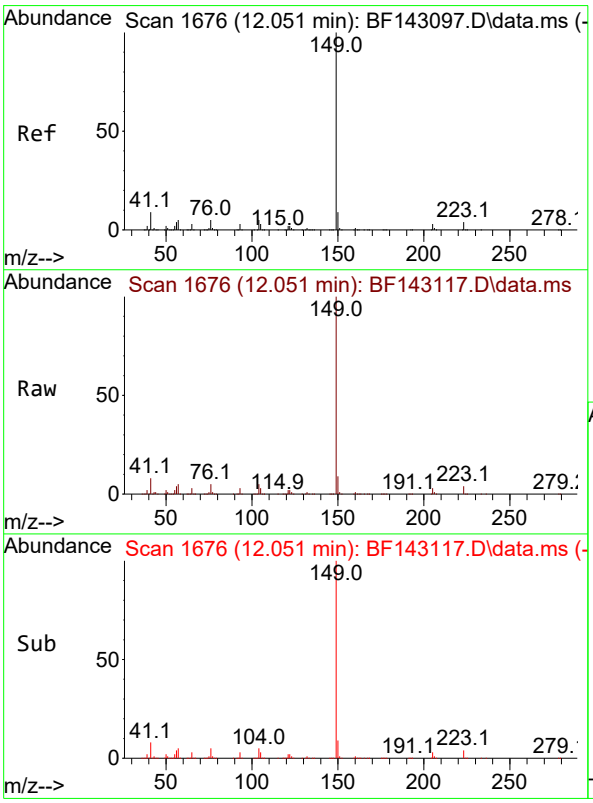

#73
Carbazole
Concen: 38.436 ng
RT: 11.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:167 Resp: 742234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.0 | 17.0 | 25.4 |
| 139 | 12.6 | 10.2 | 15.4 |

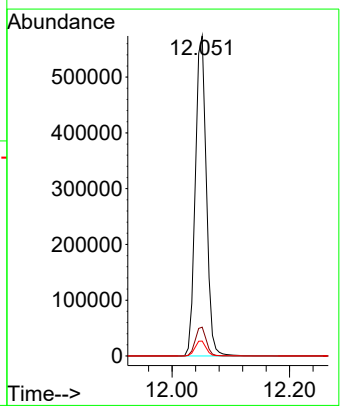


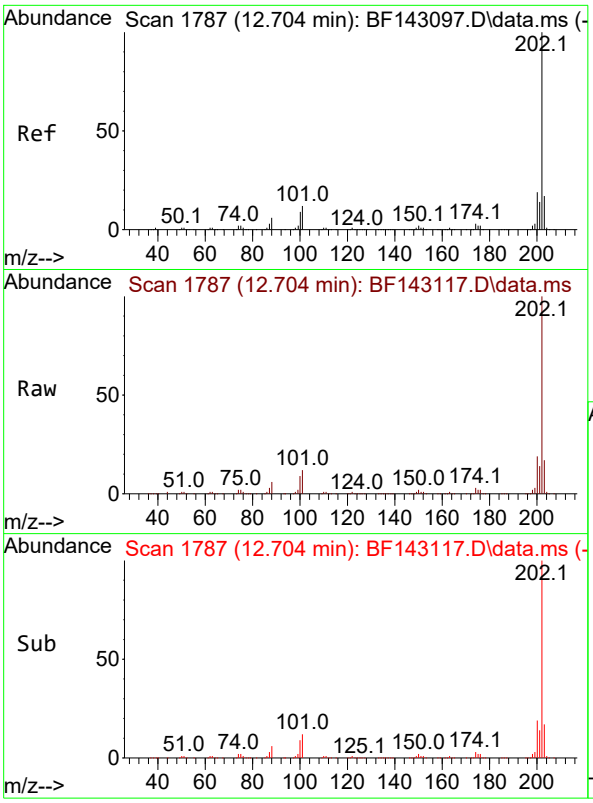




#74
Di-n-butylphthalate
Concen: 41.970 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:149 Resp: 743944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.0 | 7.3 | 10.9 |
| 104 | 4.6 | 3.8 | 5.8 |



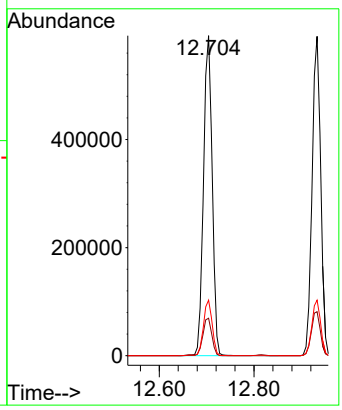


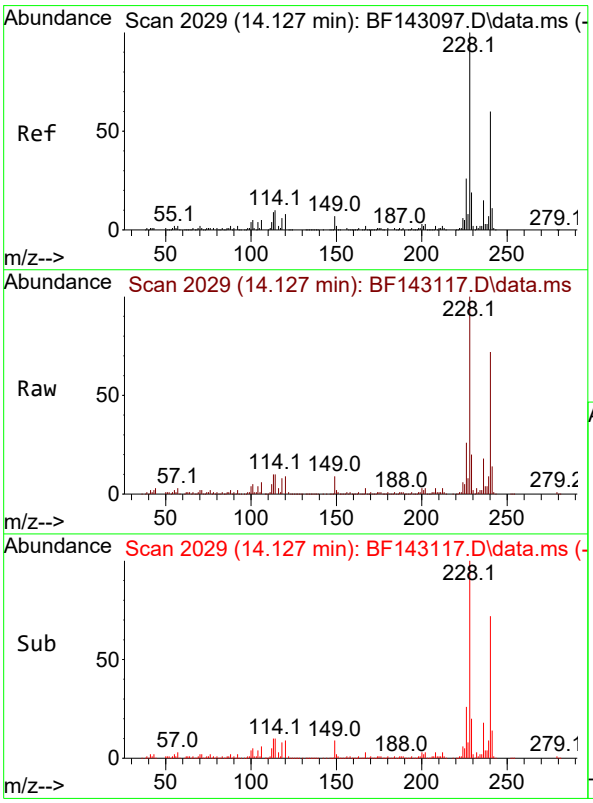

#75
Fluoranthene
Concen: 38.604 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:202 Resp: 752396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.7 | 0.0 | 32.4 |
| 203 | 17.4 | 0.0 | 37.4 |

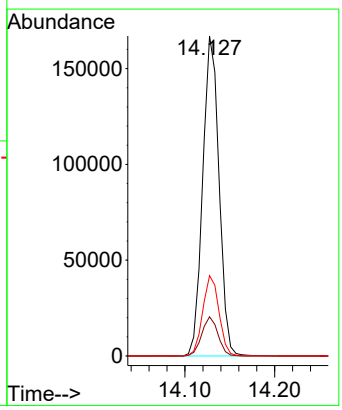


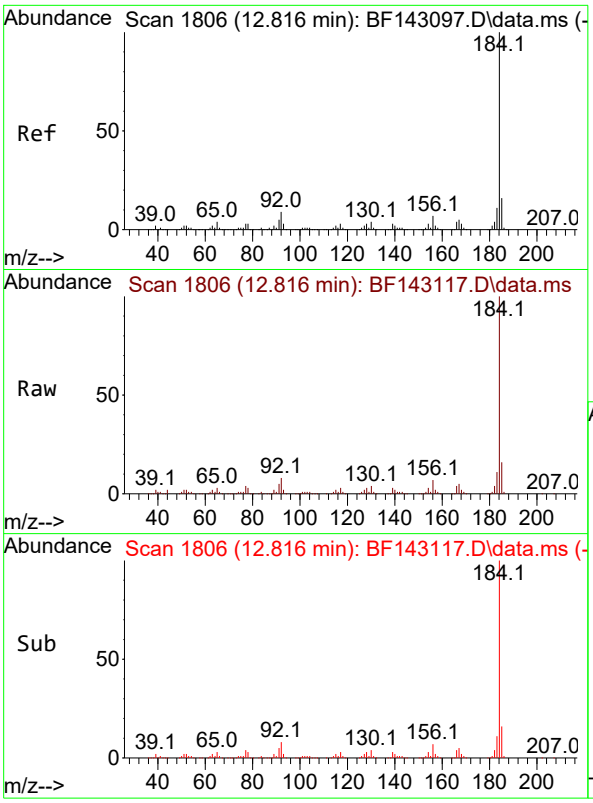




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:240 Resp: 210714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.3 | 10.0 | 15.0 |
| 236 | 25.1 | 20.0 | 30.0 |



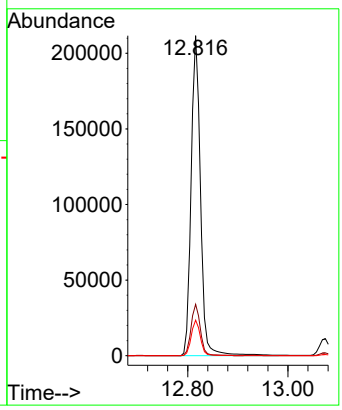


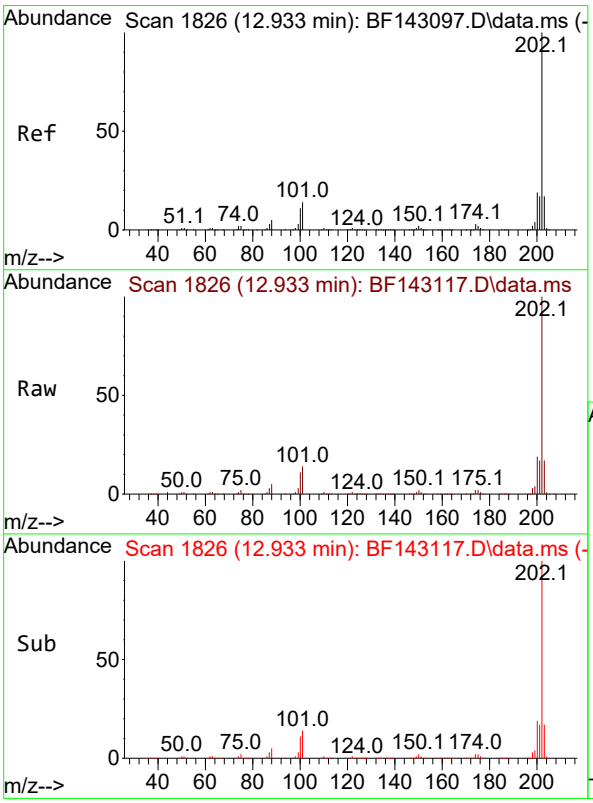

#77
Benzidine
Concen: 38.177 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:184 Resp: 274069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 16.0 | 12.4 | 18.6 |
| 183 | 11.1 | 8.6 | 12.8 |

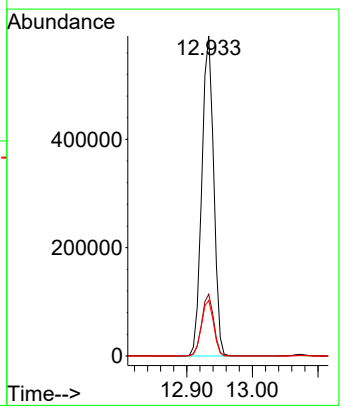


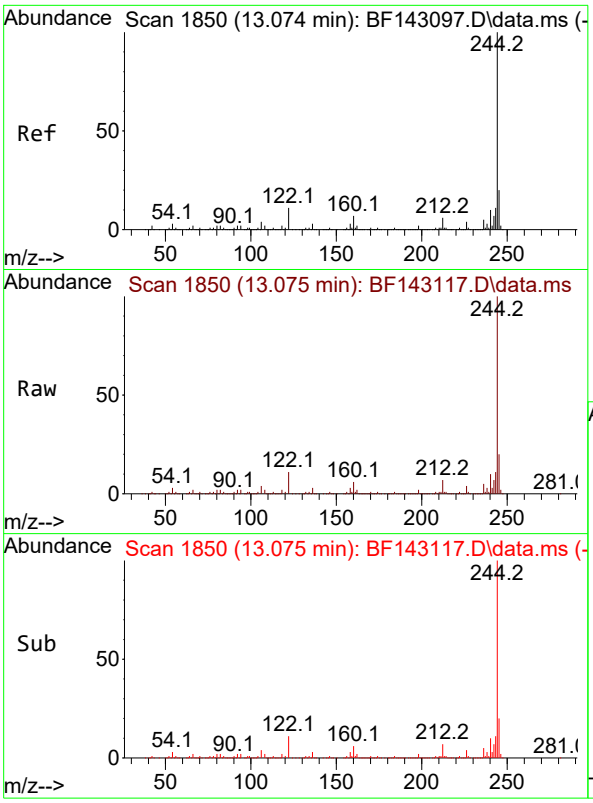




#78
Pyrene
Concen: 38.214 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:202 Resp: 747120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.3 | 15.5 | 23.3 |
| 203 | 17.4 | 14.0 | 21.0 |



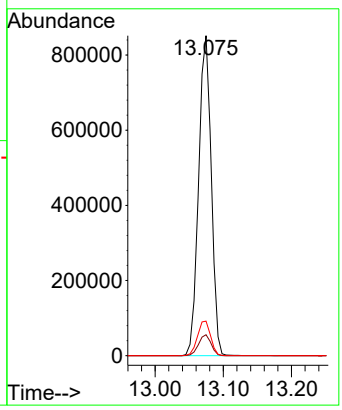


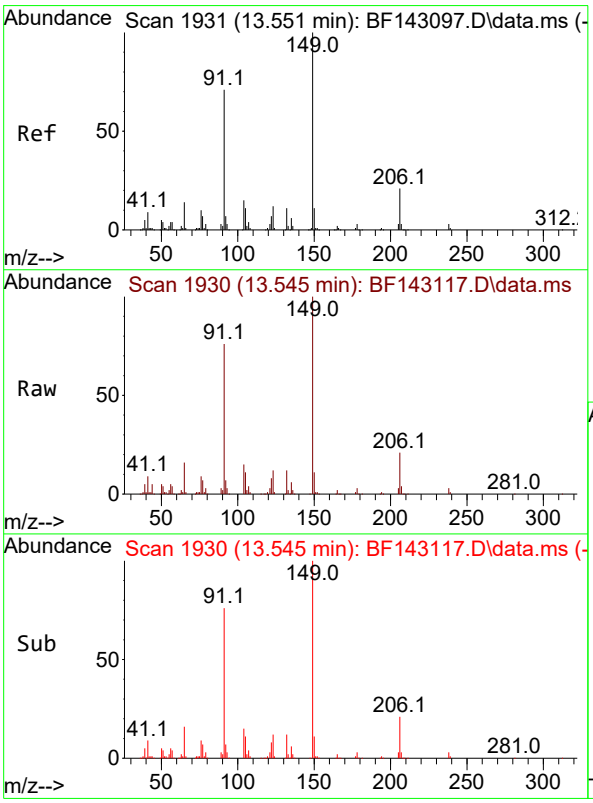

#79
Terphenyl-d14
Concen: 76.150 ng
RT: 13.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:244 Resp: 1097674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.5 | 5.2 | 7.8 |
| 122 | 10.8 | 8.8 | 13.2 |

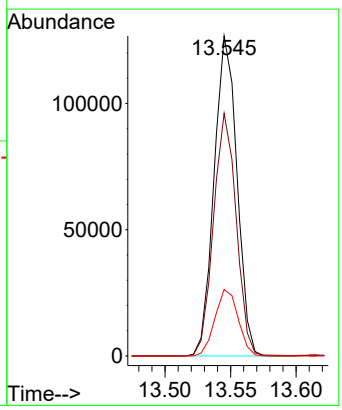


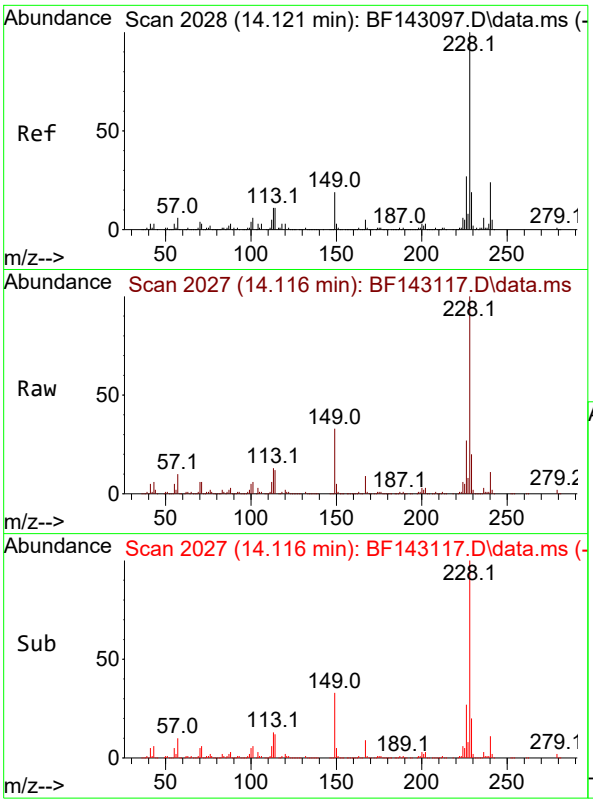




#80
Butylbenzylphthalate
Concen: 39.754 ng
RT: 13.545 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:149 Resp: 153672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 75.8 | 57.0 | 85.4 |
| 206 | 20.7 | 17.2 | 25.8 |



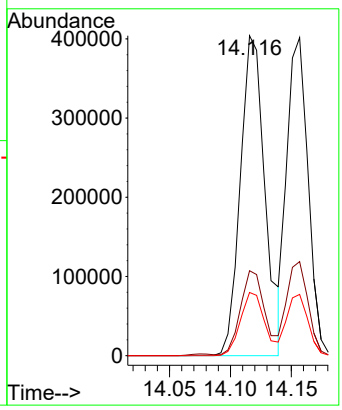


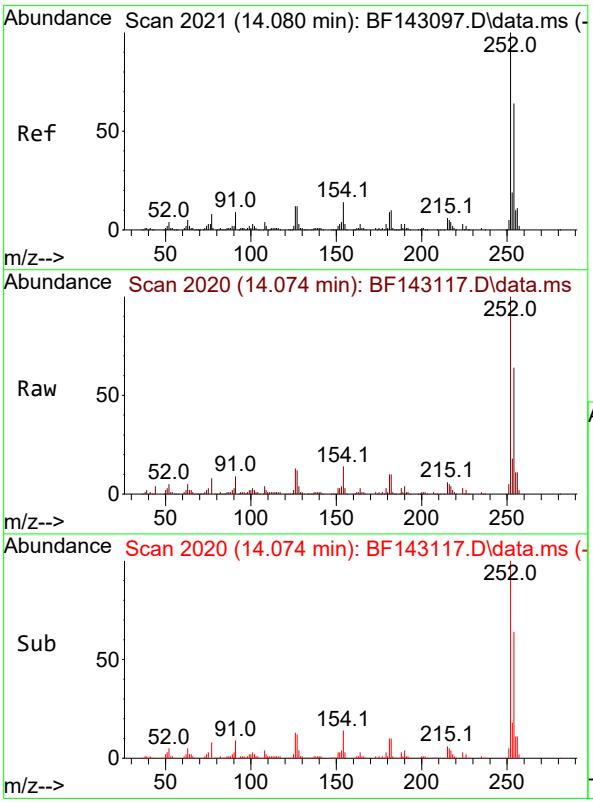

#81
Benzo(a)anthracene
Concen: 40.624 ng
RT: 14.116 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 570413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.5 | 21.3 | 31.9 |
| 229 | 19.7 | 15.5 | 23.3 |

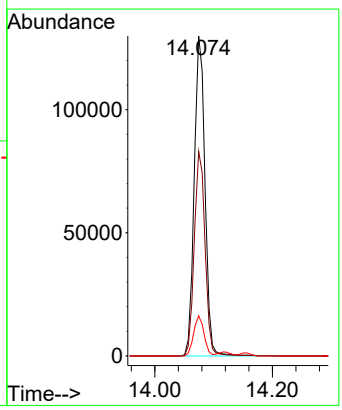


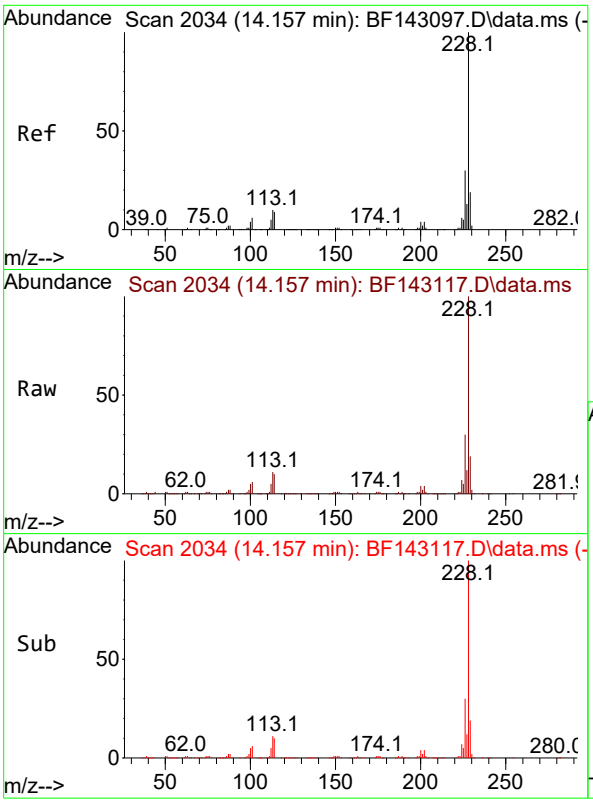




#82
3,3'-Dichlorobenzidine
Concen: 40.409 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:252 Resp: 164768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.9 | 51.5 | 77.3 |
| 126 | 12.6 | 9.4 | 14.0 |



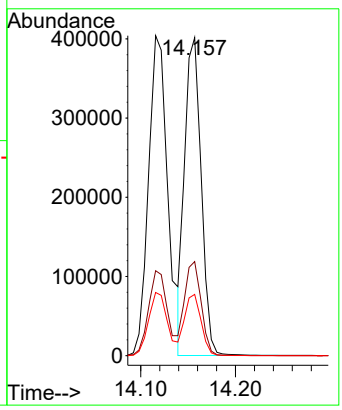


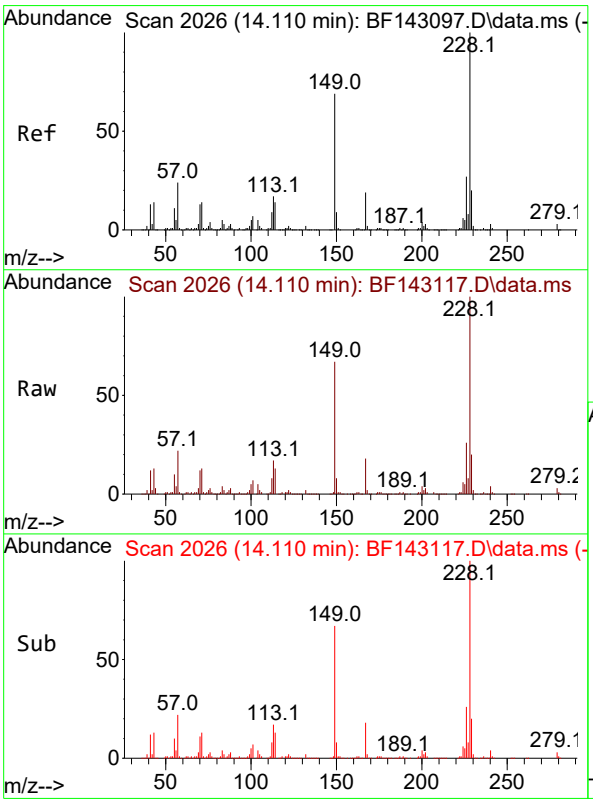

#83
Chrysene
Concen: 37.657 ng
RT: 14.157 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 486986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.6 | 23.4 | 35.2 |
| 229 | 19.3 | 15.3 | 22.9 |

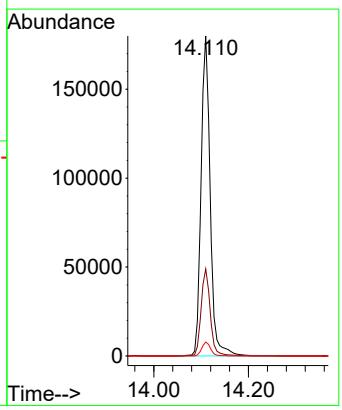


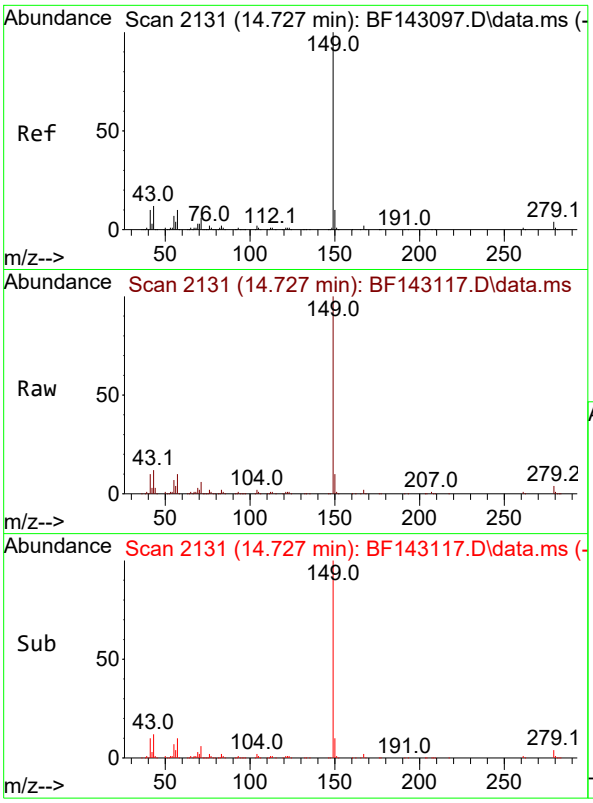




#84
Bis(2-ethylhexyl)phthalate
Concen: 41.219 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:149 Resp: 241107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.2 | 21.9 | 32.9 |
| 279 | 4.4 | 3.4 | 5.0 |



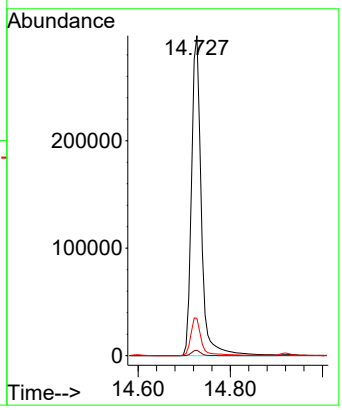


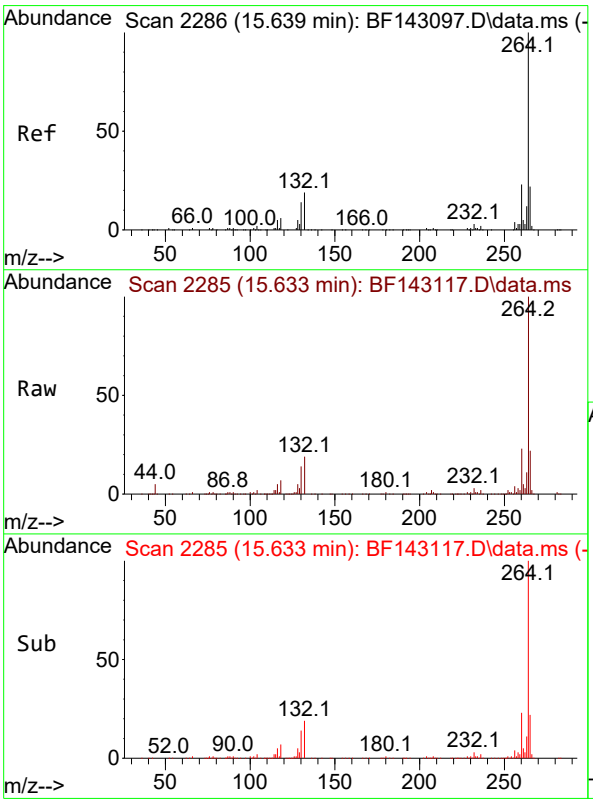

#85
Di-n-octyl phthalate
Concen: 40.440 ng
RT: 14.727 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:149 Resp: 439529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.2 | 1.8 |
| 43 | 13.1 | 10.6 | 16.0 |

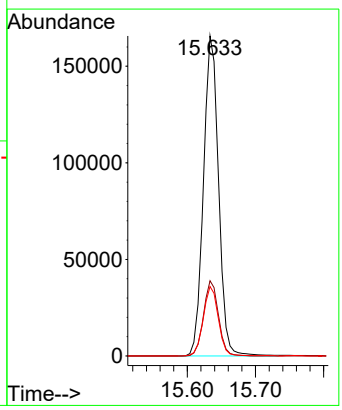


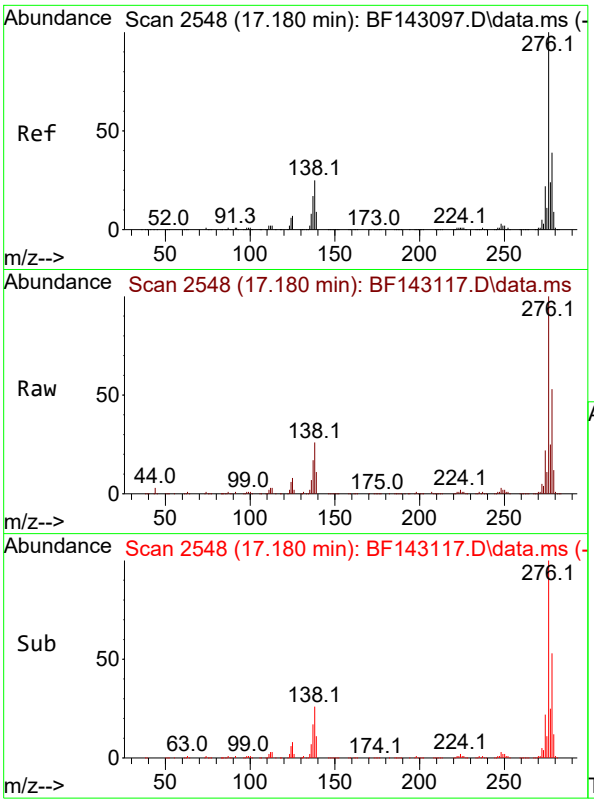




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:264 Resp: 255524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 18.5 | 27.7 |
| 265 | 21.7 | 17.5 | 26.3 |



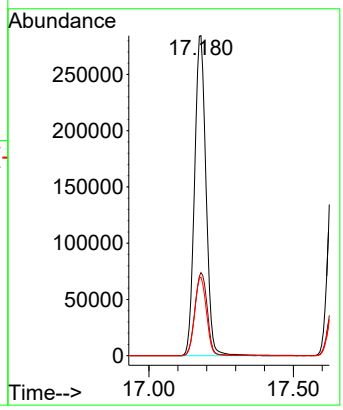


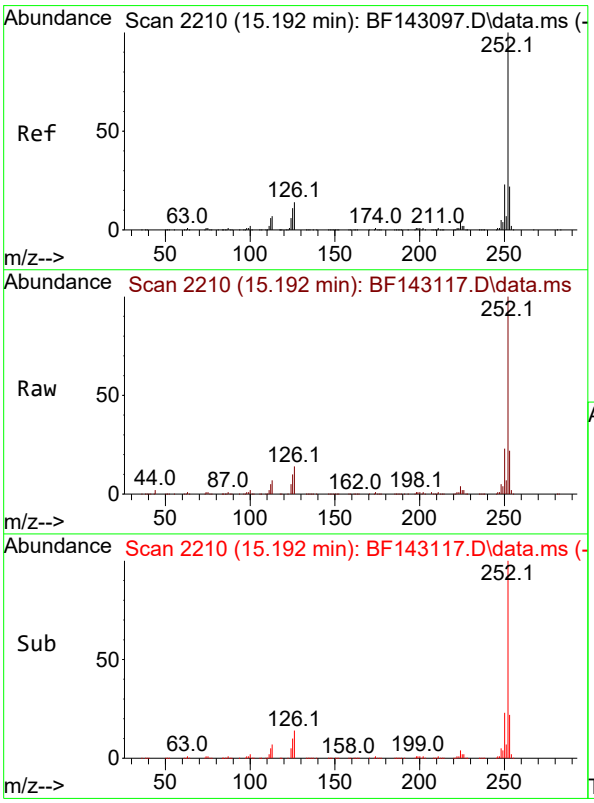

#87
Indeno(1,2,3-cd)pyrene
Concen: 41.122 ng
RT: 17.180 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:276 Resp: 781535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.9 | 22.6 | 34.0 |
| 277 | 25.2 | 20.2 | 30.2 |

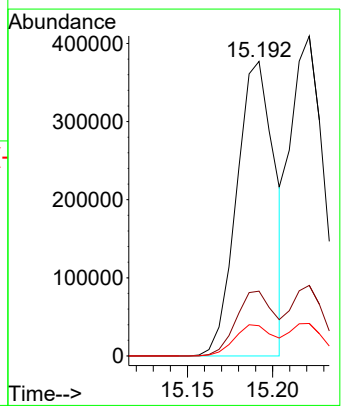


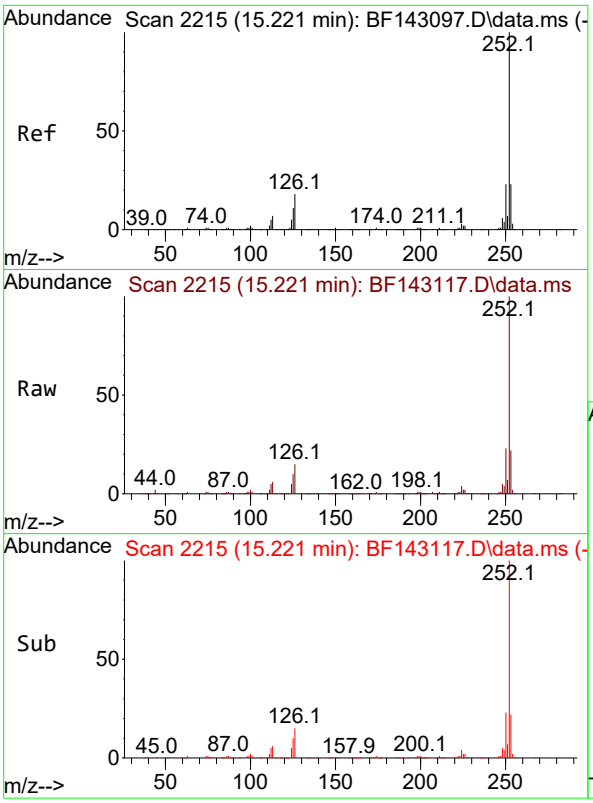




#88
Benzo(b)fluoranthene
Concen: 39.393 ng
RT: 15.192 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:252 Resp: 580612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.5 | 26.3 |
| 125 | 10.2 | 8.6 | 13.0 |



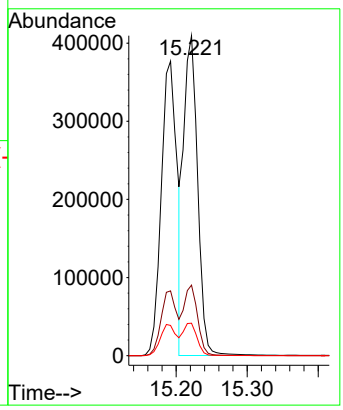


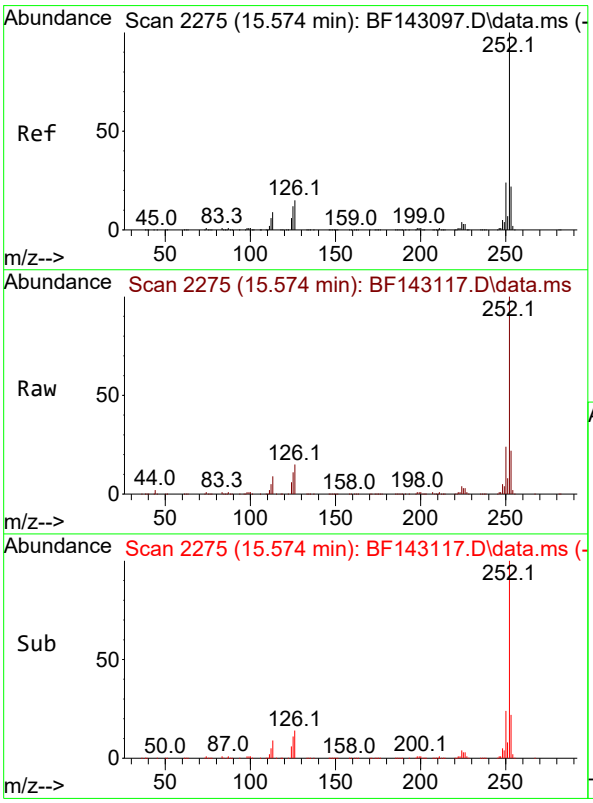

#89
Benzo(k)fluoranthene
Concen: 39.698 ng
RT: 15.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:252 Resp: 558211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.4 | 26.2 |
| 125 | 10.2 | 8.5 | 12.7 |

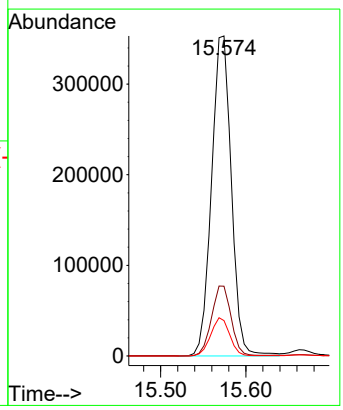


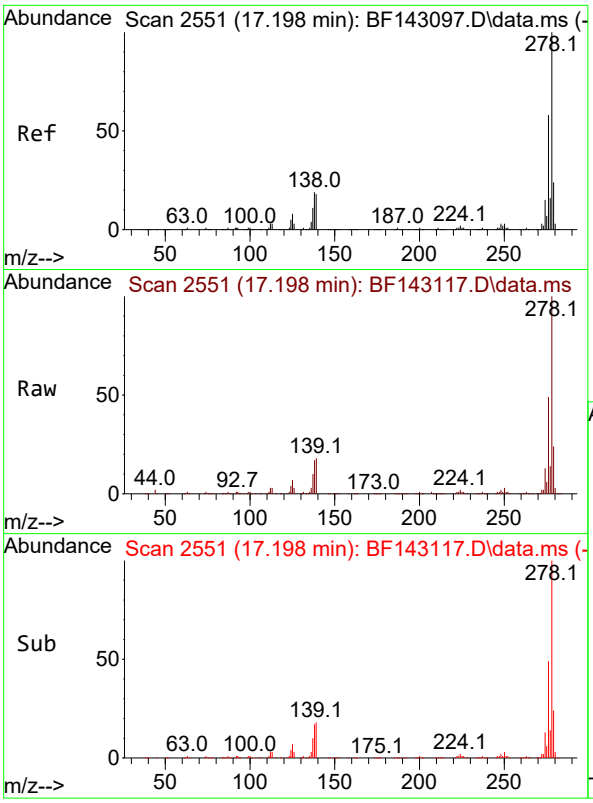




#90
Benzo(a)pyrene
Concen: 40.896 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:252 Resp: 570084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.5 | 26.3 |
| 125 | 11.0 | 9.4 | 14.0 |



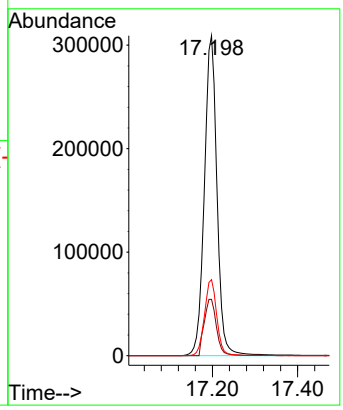


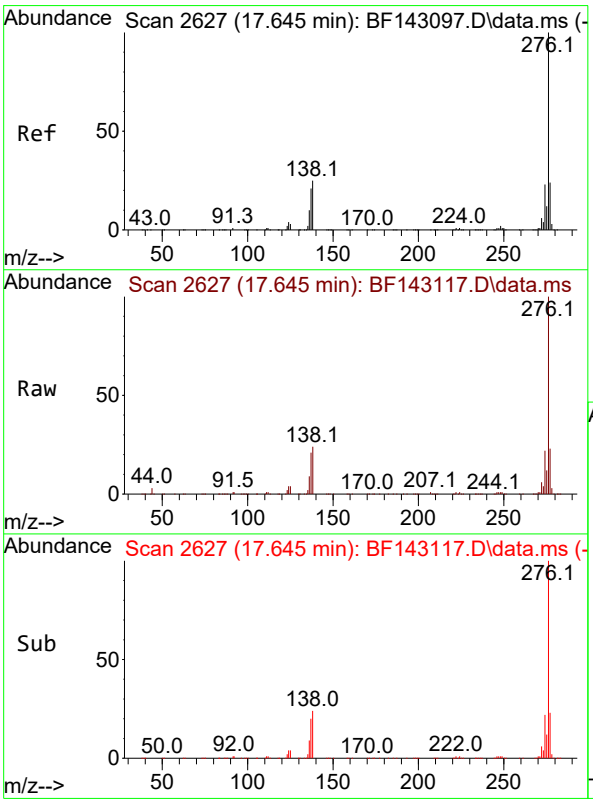

#91
Dibenzo(a,h)anthracene
Concen: 40.895 ng
RT: 17.198 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:278 Resp: 635338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.6 | 14.6 | 22.0 |
| 279 | 23.8 | 18.8 | 28.2 |

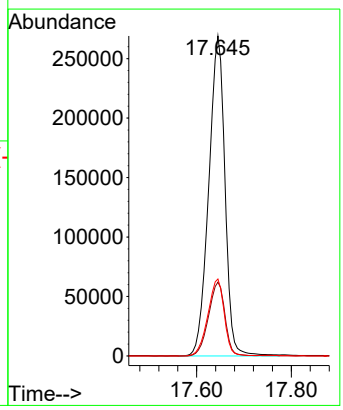



#92
Benzo(g,h,i)perylene
Concen: 40.534 ng
RT: 17.645 min Scan# 2627
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:276 Resp: 642024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.1 | 19.2 | 28.8 |
| 138 | 24.0 | 19.8 | 29.6 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 2 | | 1,4-Dioxane | 0.630 | 0.628 | 0.3 | 110 | 0.00 |
| 3 | | Pyridine | 1.596 | 1.575 | 1.3 | 108 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.827 | 0.806 | 2.5 | 108 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.266 | 1.249 | 1.3 | 109 | 0.00 |
| 6 | | Aniline | 2.241 | 2.205 | 1.6 | 109 | 0.00 |
| 7 | S | Phenol-d6 | 1.591 | 1.563 | 1.8 | 109 | 0.00 |
| 8 | | 2-Chlorophenol | 1.272 | 1.316 | -3.5 | 113 | 0.00 |
| 9 | | Benzaldehyde | 1.212 | 1.240 | -2.3 | 94 | 0.00 |
| 10 | C | Phenol | 1.723 | 1.816 | -5.4 | 116 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.334 | 1.298 | 2.7 | 109 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.437 | 1.430 | 0.5 | 111 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.446 | 1.418 | 1.9 | 110 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.379 | 1.346 | 2.4 | 108 | 0.00 |
| 15 | | Benzyl Alcohol | 1.179 | 1.183 | -0.3 | 111 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.458 | 2.389 | 2.8 | 109 | 0.00 |
| 17 | | 2-Methylphenol | 1.098 | 1.094 | 0.4 | 111 | 0.00 |
| 18 | | Hexachloroethane | 0.471 | 0.486 | -3.2 | 113 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.975 | 0.965 | 1.0 | 110 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.346 | 1.368 | -1.6 | 110 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 22 | | Acetophenone | 0.482 | 0.467 | 3.1 | 109 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.357 | 0.402 | -12.6 | 118 | 0.00 |
| 24 | | Nitrobenzene | 0.344 | 0.369 | -7.3 | 113 | 0.00 |
| 25 | | Isophorone | 0.689 | 0.675 | 2.0 | 109 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.114 | 0.145 | -27.2# | 132 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.320 | 0.320 | 0.0 | 109 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.418 | 0.412 | 1.4 | 110 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.262 | 0.269 | -2.7 | 110 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.297 | 0.292 | 1.7 | 108 | 0.00 |
| 31 | | Naphthalene | 0.993 | 0.972 | 2.1 | 110 | 0.00 |
| 32 | | Benzoic acid | 0.139 | 0.147 | -5.8 | 112 | 0.00 |
| 33 | | 4-Chloroaniline | 0.399 | 0.393 | 1.5 | 108 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.178 | 0.178 | 0.0 | 110 | 0.00 |
| 35 | | Caprolactam | 0.082 | 0.084 | -2.4 | 111 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.291 | 0.293 | -0.7 | 110 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.592 | 0.578 | 2.4 | 109 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.615 | 0.599 | 2.6 | 109 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 112 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.583 | 0.567 | 2.7 | 109 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.323 | 0.341 | -5.6 | 118 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.178 | 0.191 | -7.3 | 113 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.362 | 0.386 | -6.6 | 114 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.380 | 0.387 | -1.8 | 110 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.505 | 1.421 | 5.6 | 109 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.595 | 1.534 | 3.8 | 109 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.172 | 1.129 | 3.7 | 109 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.303 | 0.352 | -16.2 | 120 | 0.00 |
| 49 | | Acenaphthylene | 1.952 | 1.912 | 2.0 | 109 | 0.00 |
| 50 | | Dimethylphthalate | 1.258 | 1.236 | 1.7 | 110 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.219 | 0.258 | -17.8 | 123 | 0.00 |
| 52 | C | Acenaphthene | 1.152 | 1.115 | 3.2 | 110 | 0.00 |
| 53 | | 3-Nitroaniline | 0.272 | 0.299 | -9.9 | 116 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.073 | 0.082 | -12.3 | 134 | 0.00 |
| 55 | | Dibenzofuran | 1.717 | 1.649 | 4.0 | 108 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.216 | 0.230 | -6.5 | 115 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.265 | 0.307 | -15.8 | 116 | 0.00 |
| 58 | | Fluorene | 1.288 | 1.219 | 5.4 | 109 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.302 | 0.324 | -7.3 | 116 | 0.00 |
| 60 | | Diethylphthalate | 1.214 | 1.211 | 0.2 | 110 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.617 | 0.603 | 2.3 | 109 | 0.00 |
| 62 | | 4-Nitroaniline | 0.236 | 0.255 | -8.1 | 114 | 0.00 |
| 63 | | Azobenzene | 1.343 | 1.284 | 4.4 | 108 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.067 | 0.078 | -16.4 | 131 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.703 | 0.687 | 2.3 | 108 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.227 | 0.227 | 0.0 | 110 | 0.00 |
| 68 | | Hexachlorobenzene | 0.241 | 0.241 | 0.0 | 110 | 0.00 |
| 69 | | Atrazine | 0.180 | 0.183 | -1.7 | 109 | 0.00 |
| 70 | C | Pentachlorophenol | 0.132 | 0.144 | -9.1 | 117 | 0.00 |
| 71 | | Phenanthrene | 1.079 | 1.046 | 3.1 | 108 | 0.00 |
| 72 | | Anthracene | 1.085 | 1.063 | 2.0 | 108 | 0.00 |
| 73 | | Carbazole | 0.972 | 0.934 | 3.9 | 107 | 0.00 |
| 74 | | Di-n-butylphthalate | 0.893 | 0.937 | -4.9 | 109 | 0.00 |
| 75 | C | Fluoranthene | 0.981 | 0.947 | 3.5 | 106 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 110 | 0.00 |
| 77 | | Benzidine | 0.681 | 0.650 | 4.6 | 85 | 0.00 |
| 78 | | Pyrene | 1.856 | 1.773 | 4.5 | 105 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.368 | 1.302 | 4.8 | 106 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.318 | 0.365 | -14.8 | 116 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.333 | 1.354 | -1.6 | 110 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.387 | 0.391 | -1.0 | 111 | 0.00 |
| 83 | | Chrysene | 1.227 | 1.156 | 5.8 | 105 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.480 | 0.572 | -19.2 | 122 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 0.927 | 1.043 | -12.5 | 124 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 113 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.488 | 1.529 | -2.8 | 113 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.154 | 1.136 | 1.6 | 118 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.101 | 1.092 | 0.8 | 107 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.091 | 1.116 | -2.3 | 112 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.216 | 1.243 | -2.2 | 113 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.240 | 1.256 | -1.3 | 113 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev Area% | Dev(min) |
|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 109 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 39.864 | 0.3 | 110 | 0.00 |
| 3 | | Pyridine | 40.000 | 39.489 | 1.3 | 108 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.012 | 2.5 | 108 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 78.913 | 1.4 | 109 | 0.00 |
| 6 | | Aniline | 40.000 | 39.360 | 1.6 | 109 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 78.603 | 1.7 | 109 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 41.401 | -3.5 | 113 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 40.919 | -2.3 | 94 | 0.00 |
| 10 | C | Phenol | 40.000 | 42.169 | -5.4 | 116 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.936 | 2.7 | 109 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.815 | 0.5 | 111 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.238 | 1.9 | 110 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.051 | 2.4 | 108 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 40.125 | -0.3 | 111 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.870 | 2.8 | 109 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.876 | 0.3 | 111 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 41.310 | -3.3 | 113 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.615 | 1.0 | 110 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.641 | -1.6 | 110 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 109 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.753 | 3.1 | 109 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 90.170 | -12.7 | 118 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 42.874 | -7.2 | 113 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.167 | 2.1 | 109 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 42.663 | -6.7 | 132 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.965 | 0.1 | 109 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.412 | 1.5 | 110 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.164 | -2.9 | 110 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.339 | 1.7 | 108 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.140 | 2.1 | 110 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 38.466 | 3.8 | 112 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 39.377 | 1.6 | 108 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.072 | -0.2 | 110 | 0.00 |
| 35 | | Caprolactam | 40.000 | 41.190 | -3.0 | 111 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.192 | -0.5 | 110 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.014 | 2.5 | 109 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 38.976 | 2.6 | 109 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 112 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.885 | 2.8 | 109 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 42.225 | -5.6 | 118 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 85.634 | -7.0 | 113 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 42.600 | -6.5 | 114 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 40.747 | -1.9 | 110 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 75.570 | 5.5 | 109 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 38.466 | 3.8 | 109 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 38.546 | 3.6 | 109 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 40.710 | -1.8 | 120 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.176 | 2.1 | 109 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 39.291 | 1.8 | 110 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 41.829 | -4.6 | 123 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 38.701 | 3.2 | 110 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 43.942 | -9.9 | 116 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 42.980 | -7.4 | 134 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 38.413 | 4.0 | 108 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 42.650 | -6.6 | 115 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 40.106 | -0.3 | 116 | 0.00 |
| 58 | | Fluorene | 40.000 | 37.875 | 5.3 | 109 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 42.914 | -7.3 | 116 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 39.920 | 0.2 | 110 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 39.072 | 2.3 | 109 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 43.204 | -8.0 | 114 | 0.00 |
| 63 | | Azobenzene | 40.000 | 38.265 | 4.3 | 108 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 108 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 43.295 | -8.2 | 131 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.129 | 2.2 | 108 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 39.949 | 0.1 | 110 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 39.950 | 0.1 | 110 | 0.00 |
| 69 | | Atrazine | 40.000 | 40.708 | -1.8 | 109 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 43.376 | -8.4 | 117 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 38.780 | 3.0 | 108 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.169 | 2.1 | 108 | 0.00 |
| 73 | | Carbazole | 40.000 | 38.436 | 3.9 | 107 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 41.970 | -4.9 | 109 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 38.604 | 3.5 | 106 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 110 | 0.00 |
| 77 | | Benzidine | 40.000 | 38.177 | 4.6 | 85 | 0.00 |
| 78 | | Pyrene | 40.000 | 38.214 | 4.5 | 105 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 76.150 | 4.8 | 106 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 39.754 | 0.6 | 116 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 40.624 | -1.6 | 110 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 40.409 | -1.0 | 111 | 0.00 |
| 83 | | Chrysene | 40.000 | 37.657 | 5.9 | 105 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 41.219 | -3.0 | 122 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 40.440 | -1.1 | 124 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 113 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.122 | -2.8 | 113 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 39.393 | 1.5 | 118 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 39.698 | 0.8 | 107 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 40.896 | -2.2 | 112 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 40.895 | -2.2 | 113 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 40.534 | -1.3 | 113 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PARS02

Lab Code: ACE SDG No.: Q2592

Instrument ID: BNA_M Calibration Date/Time: 07/17/2025 13:42

Lab File ID: BM050474.D Init. Calib. Date(s): 07/08/2025 07/08/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:39 17:22

GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Pyridine | 1.254 | 1.241 | | -1.0 | |
| 2-Fluorophenol | 1.162 | 1.165 | | 0.3 | |
| Phenol-d6 | 1.465 | 1.479 | | 1.0 | |
| 1,4-Dichlorobenzene | 1.521 | 1.487 | | -2.2 | 20.0 |
| 2-Methylphenol | 0.991 | 0.990 | | -0.1 | |
| 3+4-Methylphenols | 1.330 | 1.341 | | 0.8 | |
| Nitrobenzene-d5 | 0.392 | 0.393 | | 0.3 | |
| Hexachloroethane | 0.535 | 0.522 | | -2.4 | |
| Nitrobenzene | 0.350 | 0.343 | | -2.0 | |
| Hexachlorobutadiene | 0.228 | 0.231 | | 1.3 | 20.0 |
| 2,4,6-Trichlorophenol | 0.391 | 0.429 | | 9.7 | 20.0 |
| 2-Fluorobiphenyl | 1.620 | 1.584 | | -2.2 | |
| 2,4,5-Trichlorophenol | 0.428 | 0.466 | | 8.9 | |
| 2,4-Dinitrotoluene | 0.350 | 0.407 | | 16.3 | |
| 2,4,6-Tribromophenol | 0.243 | 0.284 | | 16.9 | |
| Hexachlorobenzene | 0.260 | 0.264 | | 1.5 | |
| Pentachlorophenol | 0.162 | 0.180 | | 11.1 | 20.0 |
| Terphenyl-d14 | 1.137 | 1.120 | | -1.5 | |

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050474.D
Acq On : 17 Jul 2025 13:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 16:20:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.851 | 152 | 523700 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.639 | 136 | 1980057 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.474 | 164 | 1283321 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.209 | 188 | 2540655 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.433 | 240 | 2672211 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.456 | 264 | 2895075 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.428 | 112 | 2440748 | 80.224 | ng | | 0.00 |
| 7) Phenol-d6 | 7.010 | 99 | 3097334 | 80.758 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.004 | 82 | 3112224 | 80.189 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.957 | 330 | 1456045 | 93.381 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.104 | 172 | 8128934 | 78.224 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.821 | 244 | 11967171 | 78.795 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.328 | 88 | 488601 | 39.055 | ng | | 98 |
| 3) Pyridine | 3.728 | 79 | 1300313 | 39.590 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.634 | 42 | 561971 | 36.701 | ng | | 91 |
| 6) Aniline | 7.175 | 93 | 1983878 | 40.306 | ng | | 98 |
| 8) 2-Chlorophenol | 7.416 | 128 | 1317020 | 41.053 | ng | | 98 |
| 9) Benzaldehyde | 6.987 | 77 | 1171413 | 51.344 | ng | | 97 |
| 10) Phenol | 7.039 | 94 | 1589959 | 39.746 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.269 | 93 | 1245931 | 38.892 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.739 | 146 | 1538457 | 39.439 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.886 | 146 | 1557390 | 39.099 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.198 | 146 | 1486144 | 38.971 | ng | | 99 |
| 15) Benzyl Alcohol | 8.086 | 79 | 1085979 | 40.187 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.375 | 45 | 1758506 | 37.266 | ng | | 99 |
| 17) 2-Methylphenol | 8.286 | 107 | 1037160 | 39.975 | ng | | 99 |
| 18) Hexachloroethane | 8.933 | 117 | 547143 | 39.058 | ng | | 93 |
| 19) n-Nitroso-di-n-propyla... | 8.651 | 70 | 946520 | 40.738 | ng | | 95 |
| 20) 3+4-Methylphenols | 8.610 | 107 | 1404236 | 40.317 | ng | | 96 |
| 22) Acetophenone | 8.669 | 105 | 1899608 | 38.371 | ng | # | 96 |
| 24) Nitrobenzene | 9.045 | 77 | 1359808 | 39.263 | ng | | 97 |
| 25) Isophorone | 9.575 | 82 | 2553883 | 40.552 | ng | | 99 |
| 26) 2-Nitrophenol | 9.751 | 139 | 687069 | 48.676 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.816 | 122 | 1213714 | 40.409 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 10.051 | 93 | 1630857 | 39.081 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.286 | 162 | 1295771 | 41.992 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.504 | 180 | 1491395 | 40.402 | ng | | 99 |
| 31) Naphthalene | 10.692 | 128 | 3903650 | 38.814 | ng | | 100 |
| 32) Benzoic acid | 9.933 | 122 | 837102 | 45.728 | ng | | 98 |
| 33) 4-Chloroaniline | 10.792 | 127 | 1719857 | 40.450 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.986 | 225 | 916621 | 40.685 | ng | | 99 |
| 35) Caprolactam | 11.574 | 113 | 373128 | 44.295 | ng | | 92 |
| 36) 4-Chloro-3-methylphenol | 11.916 | 107 | 1197560 | 41.560 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.304 | 142 | 2558937 | 40.297 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.521 | 142 | 2704024 | 40.236 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.669 | 216 | 1663387 | 40.759 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.657 | 237 | 1118542 | 42.878 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.910 | 196 | 1100183 | 43.796 | ng | | 98 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050474.D
Acq On : 17 Jul 2025 13:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 16:20:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.974 | 196 | 1195616 | 43.580 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.310 | 154 | 3710435 | 38.969 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.351 | 162 | 2952862 | 38.897 | ng | | 99 |
| 48) 2-Nitroaniline | 13.545 | 65 | 749098 | 44.208 | ng | | 96 |
| 49) Acenaphthylene | 14.198 | 152 | 4570033 | 39.833 | ng | | 99 |
| 50) Dimethylphthalate | 13.933 | 163 | 3557955 | 40.270 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.045 | 165 | 752656 | 44.367 | ng | | 93 |
| 52) Acenaphthene | 14.539 | 154 | 2753717m | 37.753 | ng | | |
| 53) 3-Nitroaniline | 14.368 | 138 | 800610 | 44.377 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 14.574 | 184 | 423149 | 47.990 | ng | # | 81 |
| 55) Dibenzofuran | 14.874 | 168 | 4385210 | 39.019 | ng | | 99 |
| 56) 4-Nitrophenol | 14.674 | 139 | 682725 | 44.005 | ng | | 90 |
| 57) 2,4-Dinitrotoluene | 14.827 | 165 | 1044862 | 41.533 | ng | | 93 |
| 58) Fluorene | 15.521 | 166 | 3648772 | 39.416 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.098 | 232 | 1025002 | 44.383 | ng | | 95 |
| 60) Diethylphthalate | 15.292 | 149 | 3392307 | 40.194 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.515 | 204 | 1915512 | 39.573 | ng | | 98 |
| 62) 4-Nitroaniline | 15.527 | 138 | 822296 | 40.096 | ng | | 98 |
| 63) Azobenzene | 15.804 | 77 | 2969500 | 38.317 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.586 | 198 | 615347 | 45.431 | ng | | 92 |
| 66) n-Nitrosodiphenylamine | 15.721 | 169 | 3099051 | 38.981 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.404 | 248 | 1149552 | 41.067 | ng | | 98 |
| 68) Hexachlorobenzene | 16.521 | 284 | 1343279 | 40.631 | ng | | 95 |
| 69) Atrazine | 16.674 | 200 | 1110720 | 42.547 | ng | | 98 |
| 70) Pentachlorophenol | 16.856 | 266 | 914812 | 44.450 | ng | | 99 |
| 71) Phenanthrene | 17.251 | 178 | 5539099 | 38.529 | ng | | 99 |
| 72) Anthracene | 17.339 | 178 | 5640684 | 39.417 | ng | | 100 |
| 73) Carbazole | 17.603 | 167 | 5129252 | 39.613 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.174 | 149 | 5854924 | 41.312 | ng | | 100 |
| 75) Fluoranthene | 19.256 | 202 | 6437692 | 41.191 | ng | | 99 |
| 77) Benzidine | 19.439 | 184 | 3790549 | 55.614 | ng | | 99 |
| 78) Pyrene | 19.615 | 202 | 6803242 | 39.752 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.515 | 149 | 2668401 | 47.286 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.415 | 228 | 7013399 | 40.281 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.333 | 252 | 2698245 | 45.953 | ng | | 100 |
| 83) Chrysene | 21.480 | 228 | 6546903 | 39.865 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.339 | 149 | 4036567 | 45.060 | ng | | 97 |
| 85) Di-n-octyl phthalate | 22.486 | 149 | 6851874 | 48.835 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 27.879 | 276 | 8469643 | 41.147 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 23.503 | 252 | 6956656 | 39.066 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 23.568 | 252 | 6961471 | 37.675 | ng | | 100 |
| 90) Benzo(a)pyrene | 24.315 | 252 | 6693276 | 40.152 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 27.944 | 278 | 7041108 | 40.618 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 28.944 | 276 | 6723327 | 41.037 | ng | | 99 |

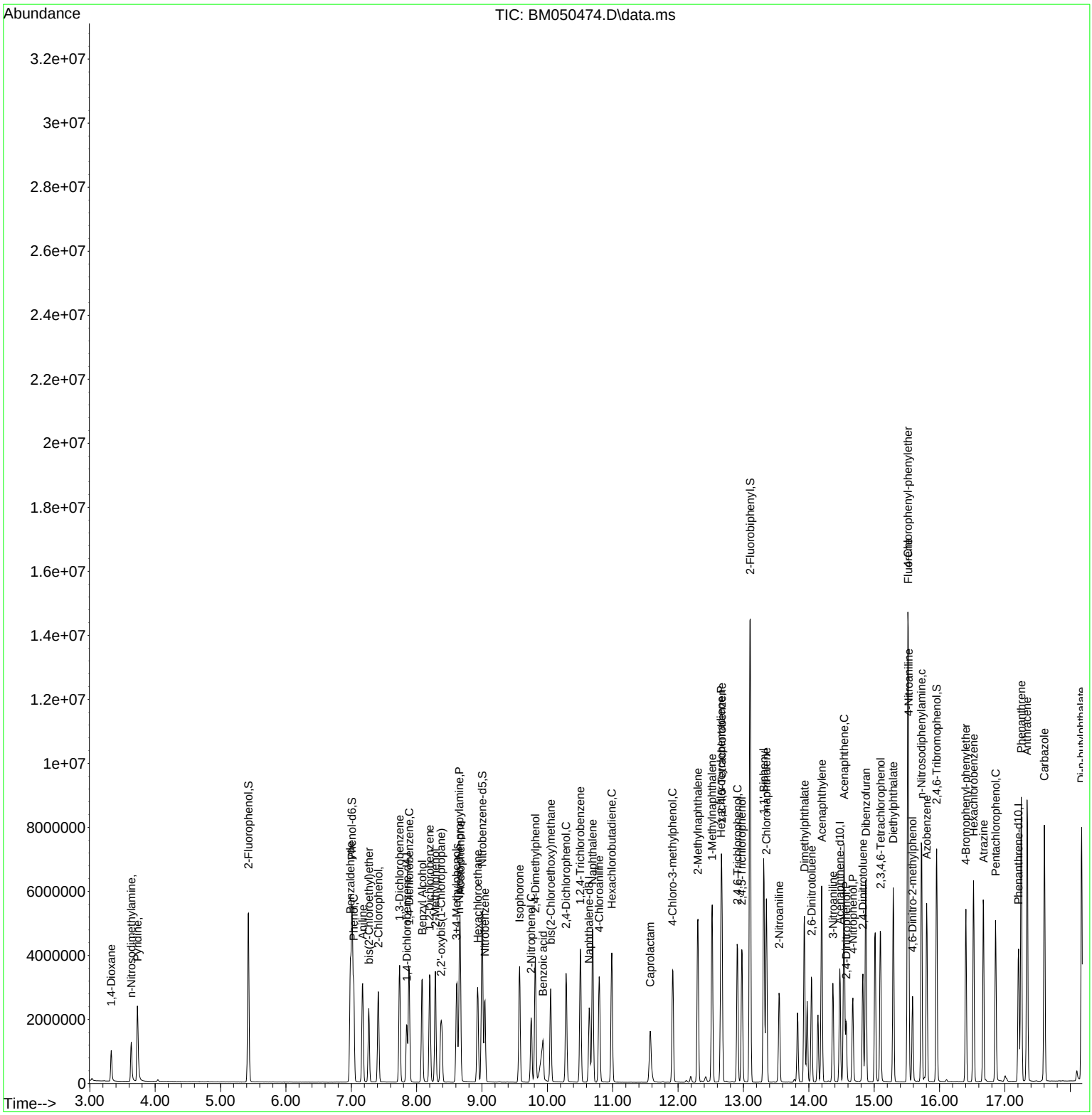
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050474.D
Acq On : 17 Jul 2025 13:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 16:20:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

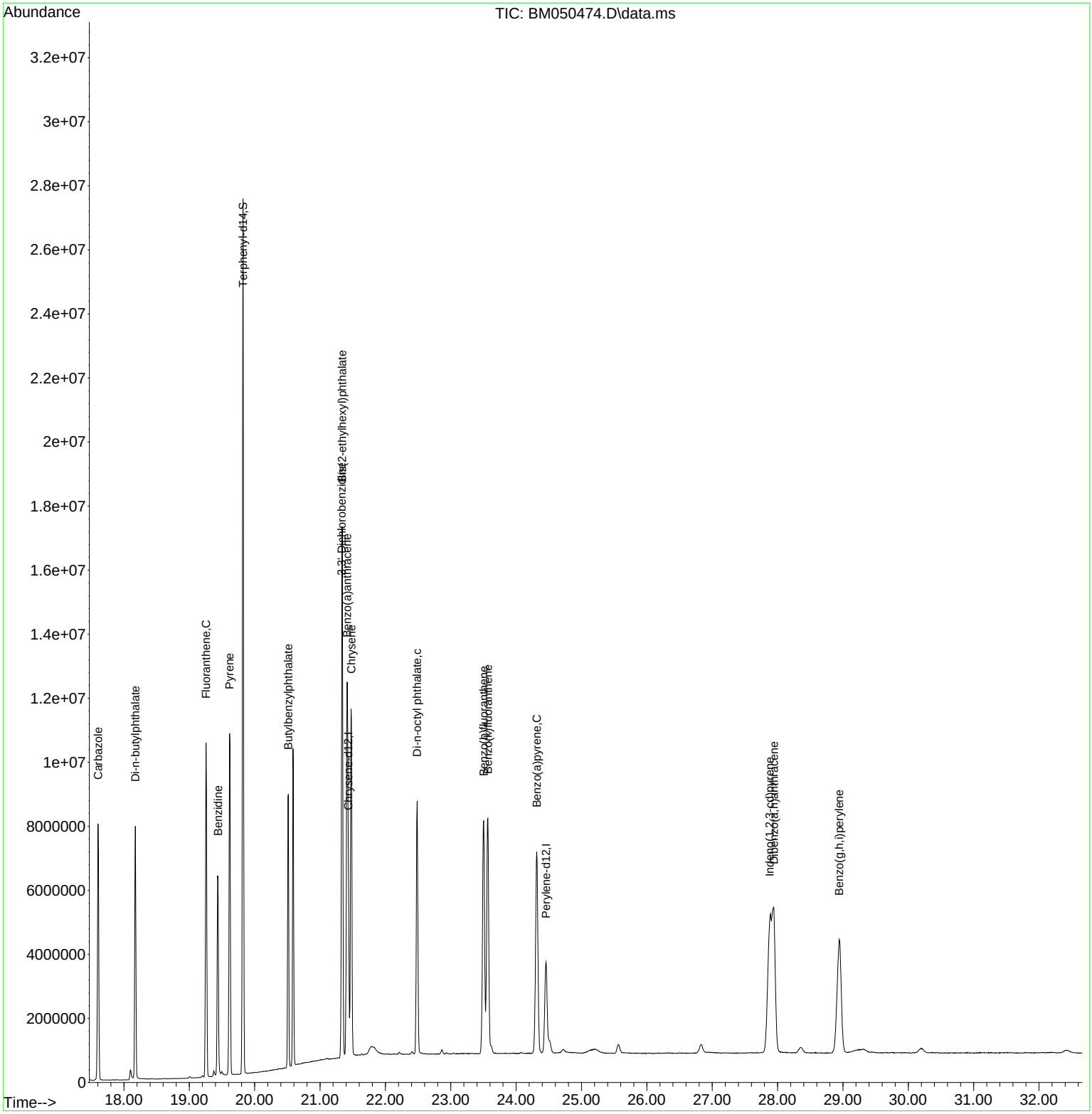


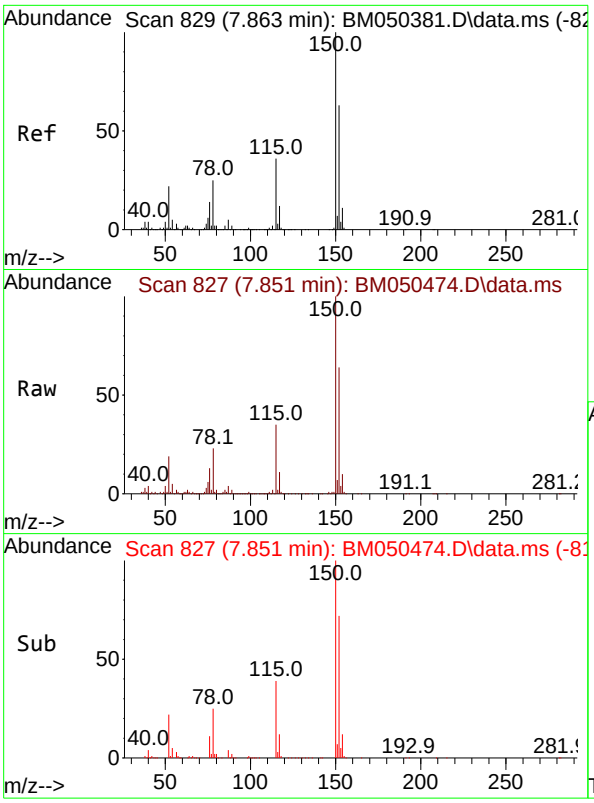
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050474.D
Acq On : 17 Jul 2025 13:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 16:20:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

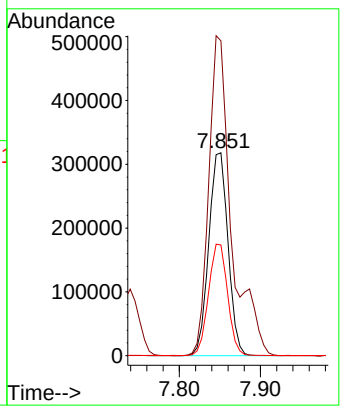





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:152 Resp: 52370

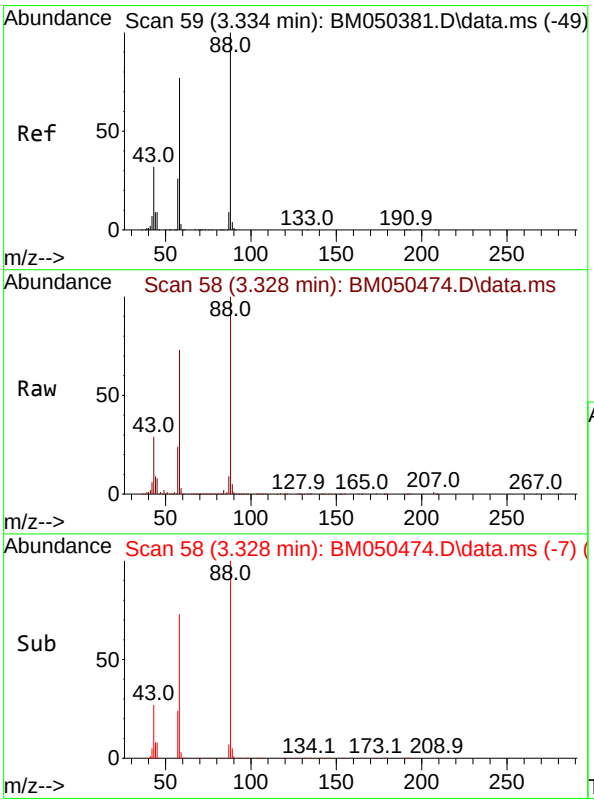
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.2 | 126.2 | 189.4 |
| 115 | 54.5 | 45.8 | 68.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

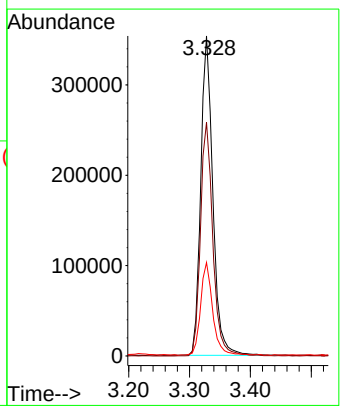
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

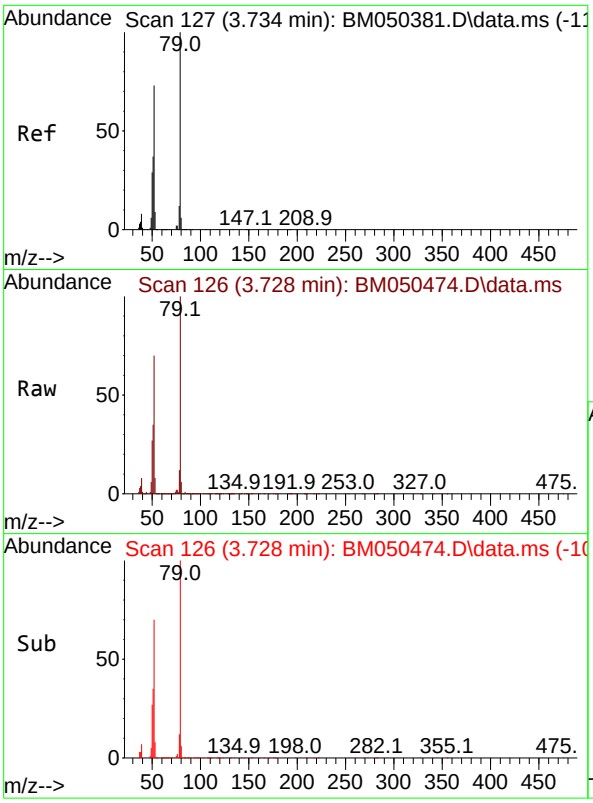



#2
1,4-Dioxane
Concen: 39.055 ng
RT: 3.328 min Scan# 58
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion: 88 Resp: 488601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 75.1 | 61.0 | 91.6 |
| 43 | 29.0 | 24.6 | 37.0 |

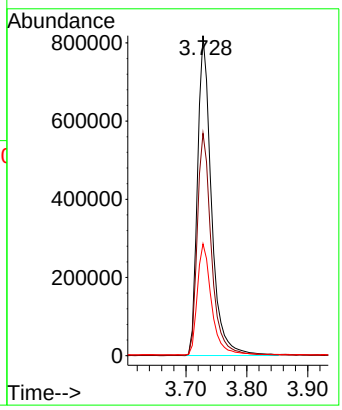





#3
Pyridine
Concen: 39.590 ng
RT: 3.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion: 79 Resp: 130031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 69.5 | 58.3 | 87.5 |
| 51 | 35.0 | 29.6 | 44.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

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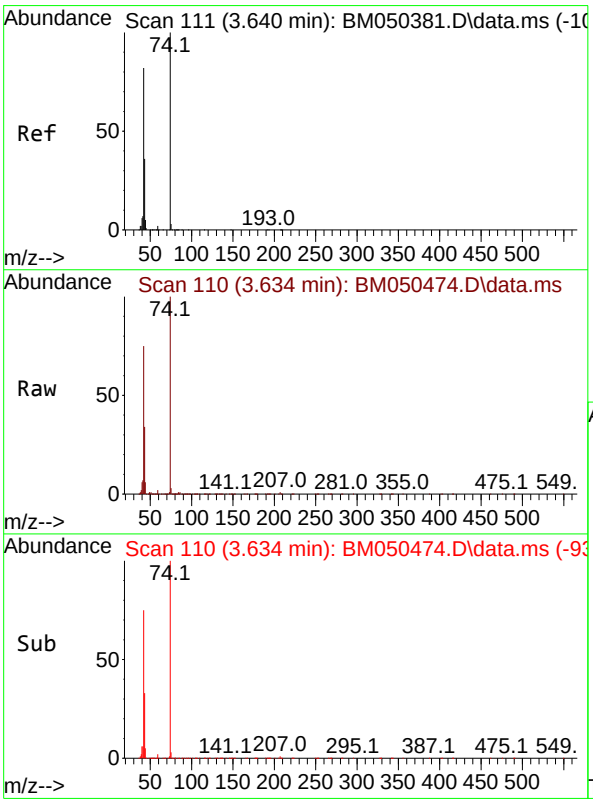
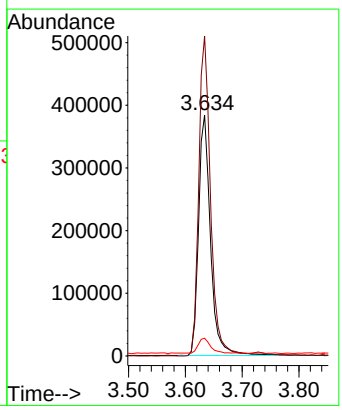
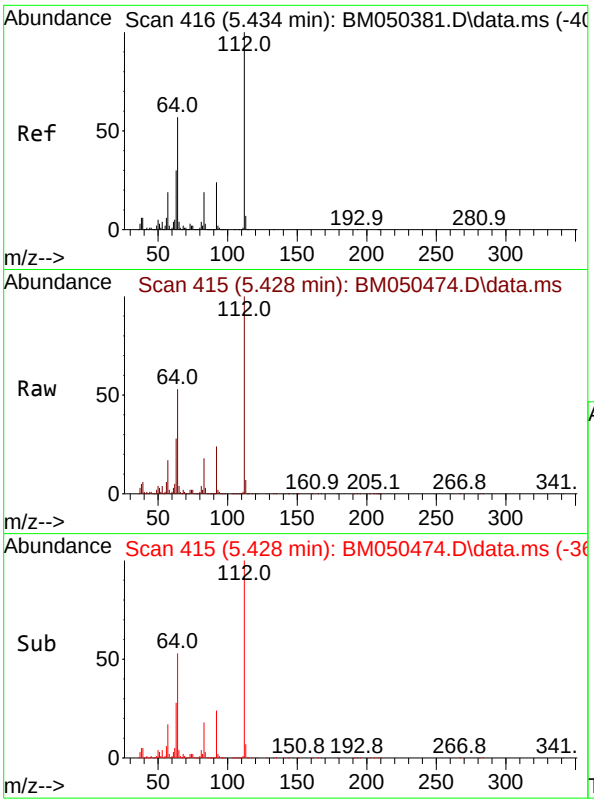



#4
n-Nitrosodimethylamine
Concen: 36.701 ng
RT: 3.634 min Scan# 110
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion: 42 Resp: 561971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 132.8 | 97.5 | 146.3 |
| 44 | 7.4 | 5.7 | 8.5 |

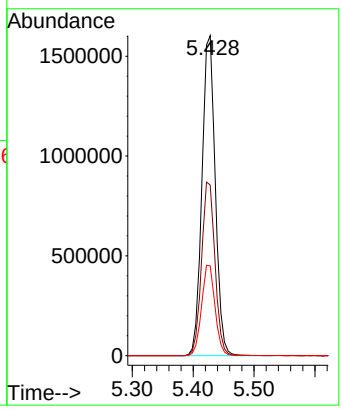





#5
2-Fluorophenol
Concen: 80.224 ng
RT: 5.428 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:112 Resp: 244074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.3 | 45.5 | 68.3 |
| 63 | 28.1 | 24.2 | 36.4 |




**Instrument :**
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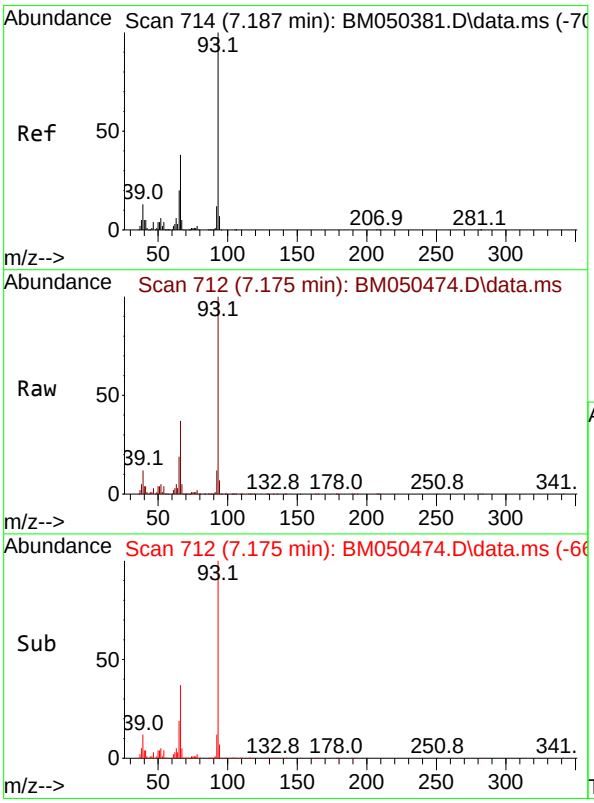
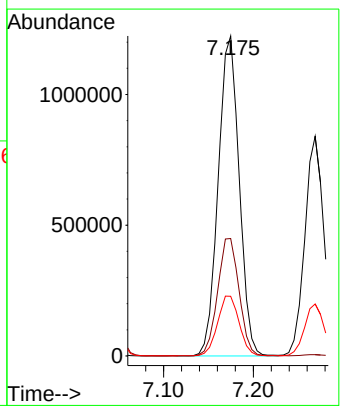
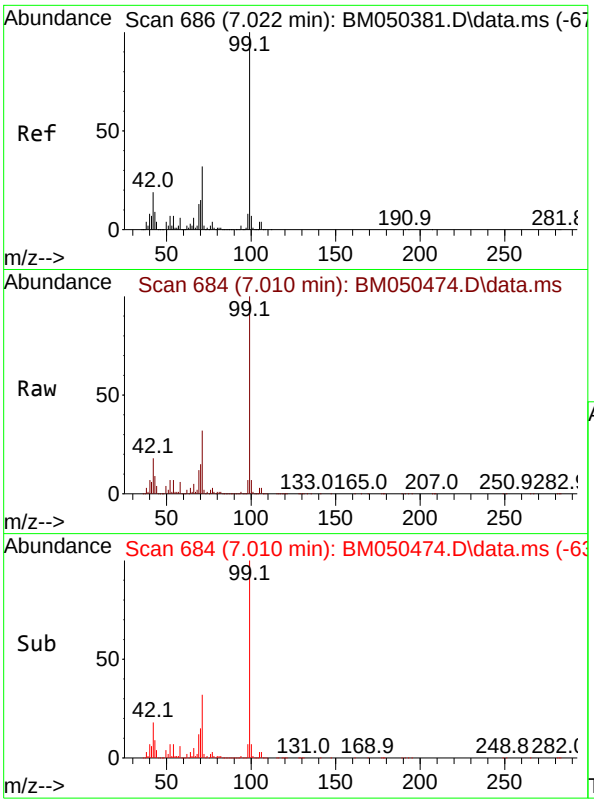



#6
Aniline
Concen: 40.306 ng
RT: 7.175 min Scan# 712
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion: 93 Resp: 1983878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 36.7 | 30.5 | 45.7 |
| 65 | 18.7 | 15.9 | 23.9 |

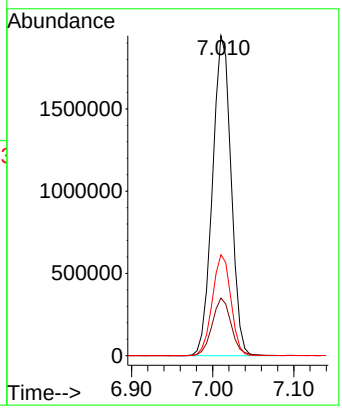





#7
Phenol-d6
Concen: 80.758 ng
RT: 7.010 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion: 99 Resp: 309733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.0 | 15.0 | 22.6 |
| 71 | 31.6 | 25.9 | 38.9 |




**Instrument :**
BNA_M
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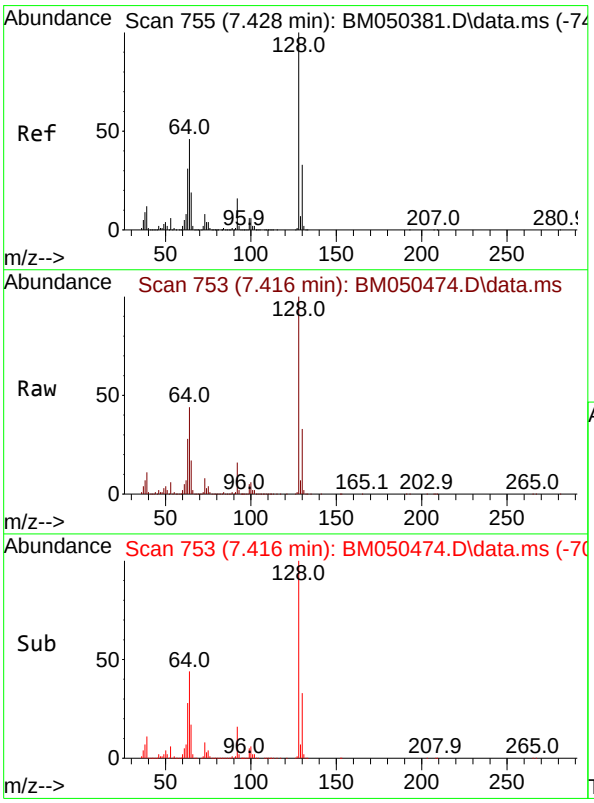
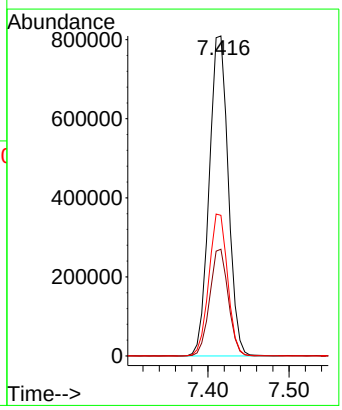
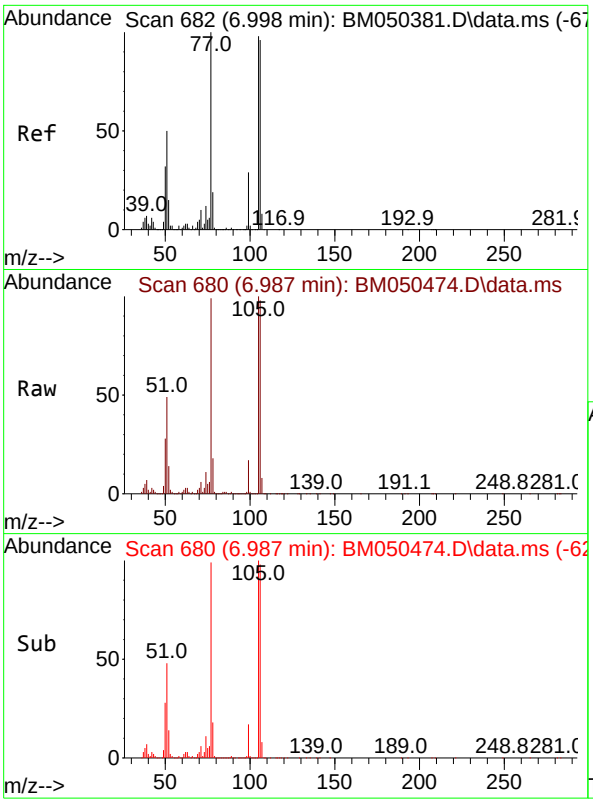



#8
2-Chlorophenol
Concen: 41.053 ng
RT: 7.416 min Scan# 753
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:128 Resp: 1317020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.4 | 13.3 | 53.3 |
| 64 | 43.9 | 25.6 | 65.6 |

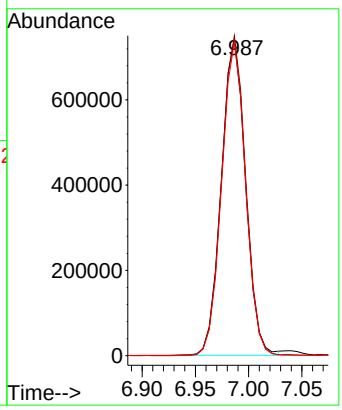





#9
Benzaldehyde
Concen: 51.344 ng
RT: 6.987 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion: 77 Resp: 117141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 101.4 | 78.4 | 118.4 |
| 106 | 99.3 | 76.3 | 116.3 |




**Instrument :**
BNA_M
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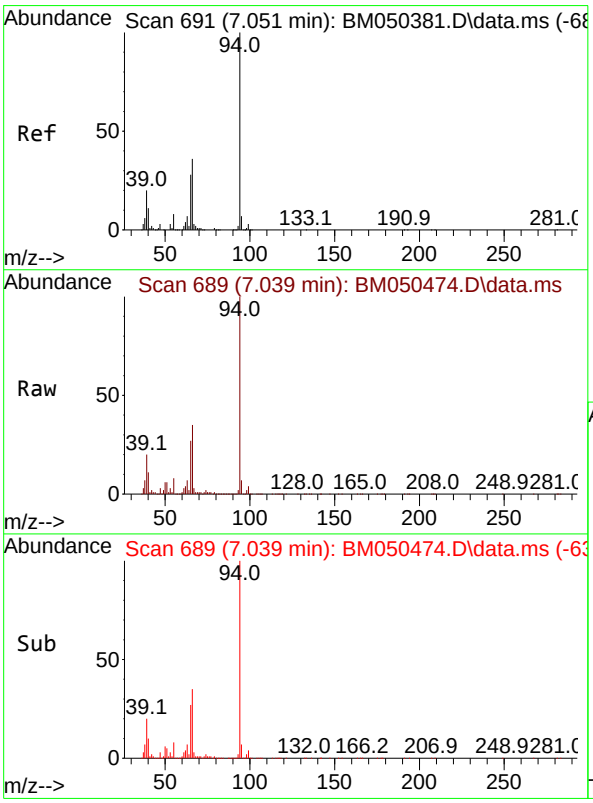
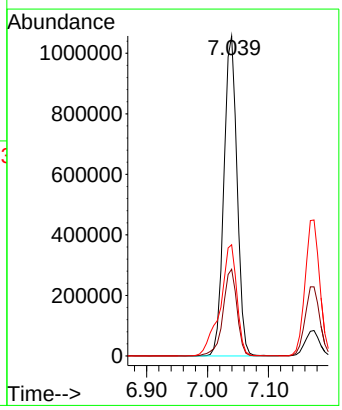
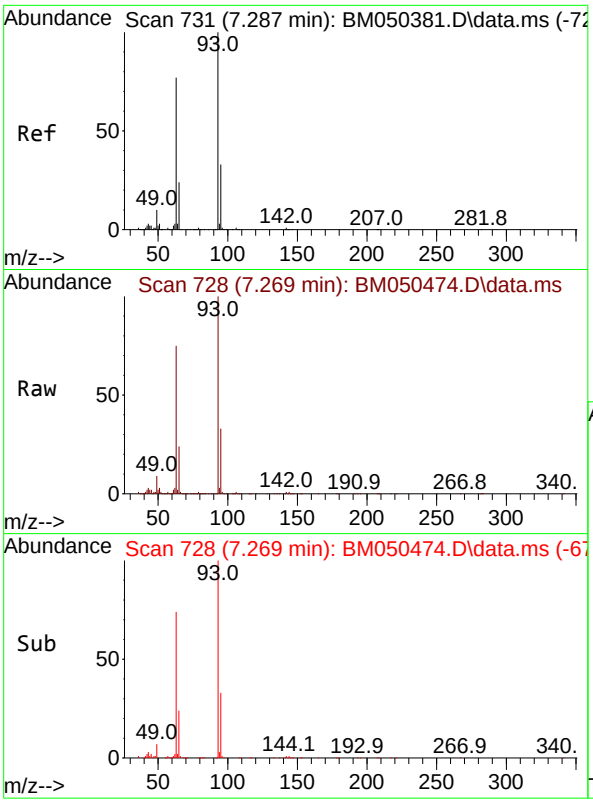



#10
Phenol
Concen: 39.746 ng
RT: 7.039 min Scan# 689
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion: 94 Resp: 1589959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 27.1 | 8.1 | 48.1 |
| 66 | 34.8 | 15.8 | 55.8 |

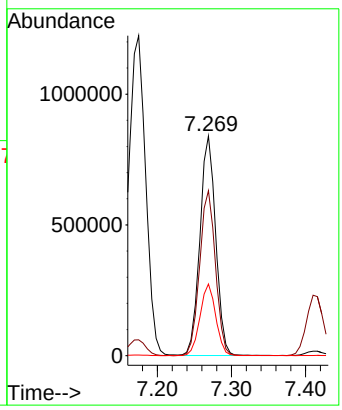





#11
bis(2-Chloroethyl)ether
Concen: 38.892 ng
RT: 7.269 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion: 93 Resp: 124593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 75.1 | 56.9 | 96.9 |
| 95 | 32.6 | 12.6 | 52.6 |




**Instrument :**
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**ClientSampleId :**
SSTDCCC040

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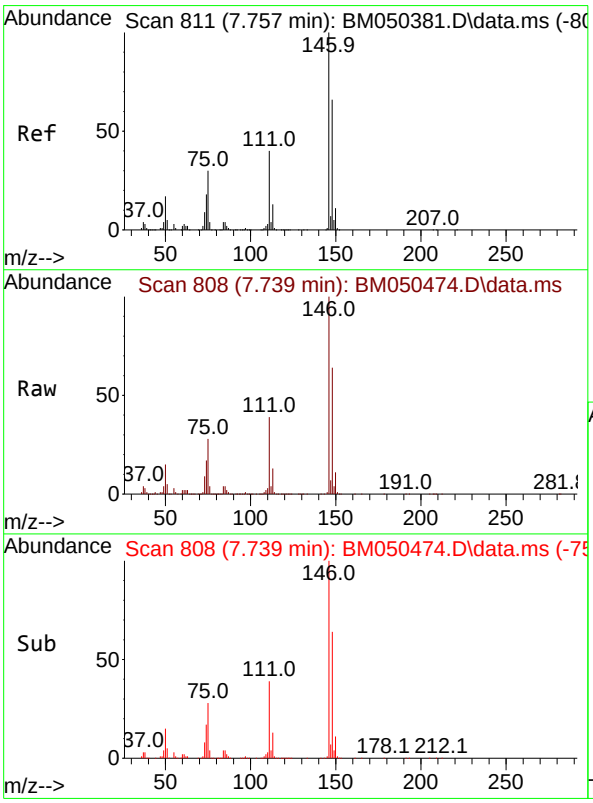
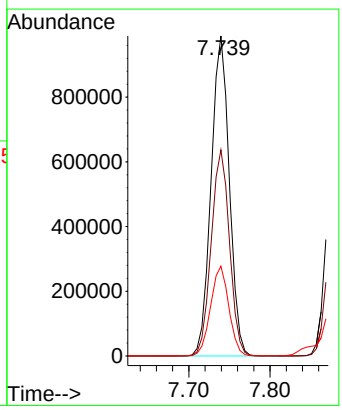
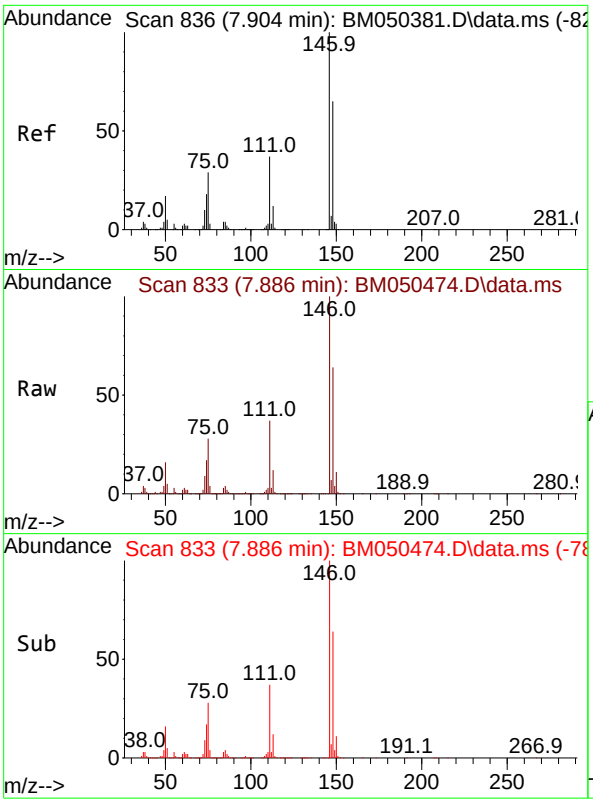



#12
1,3-Dichlorobenzene
Concen: 39.439 ng
RT: 7.739 min Scan# 808
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:146 Resp: 1538457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 53.2 | 79.8 |
| 75 | 28.0 | 23.9 | 35.9 |

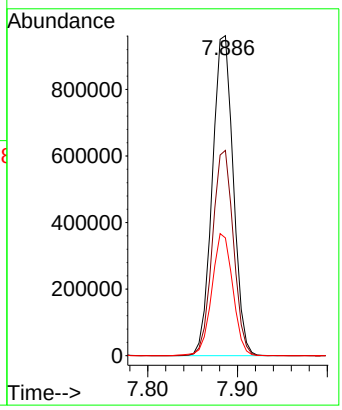





#13
1,4-Dichlorobenzene
Concen: 39.099 ng
RT: 7.886 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:146 Resp: 155739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.1 | 51.9 | 77.9 |
| 111 | 36.8 | 30.0 | 45.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

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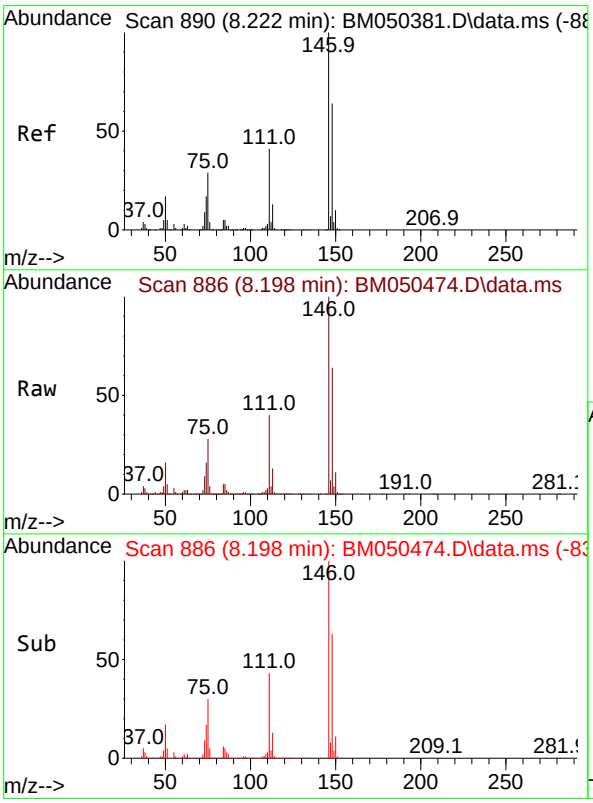
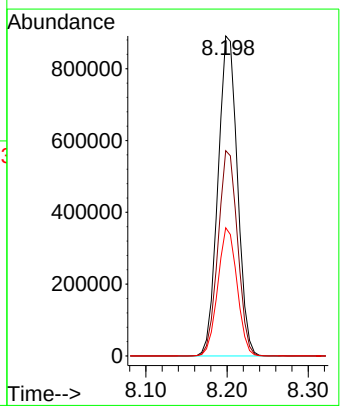
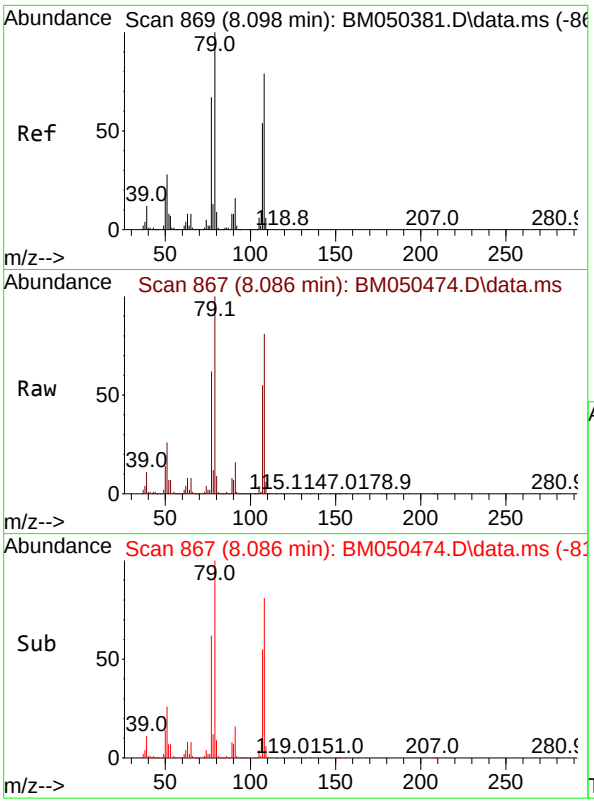



#14
1,2-Dichlorobenzene
Concen: 38.971 ng
RT: 8.198 min Scan# 886
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:146 Resp: 1486144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.5 | 77.3 |
| 111 | 40.0 | 32.6 | 49.0 |

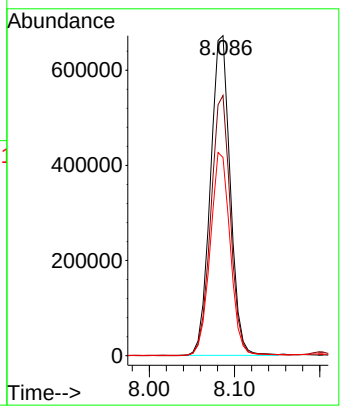





#15
Benzyl Alcohol
Concen: 40.187 ng
RT: 8.086 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion: 79 Resp: 108597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 81.3 | 63.0 | 94.4 |
| 77 | 62.0 | 53.4 | 80.0 |




**Instrument :**
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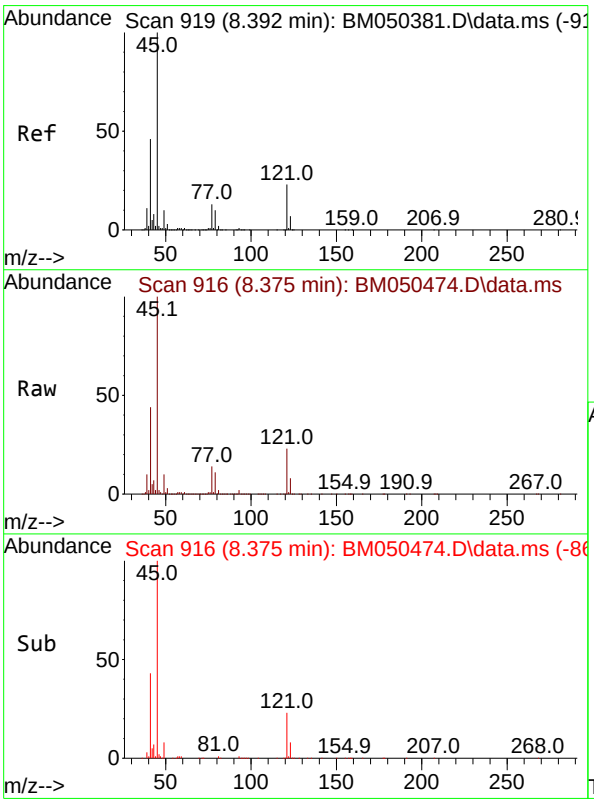
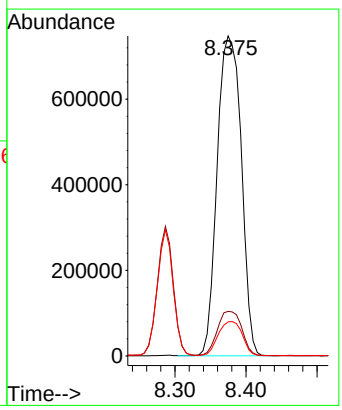
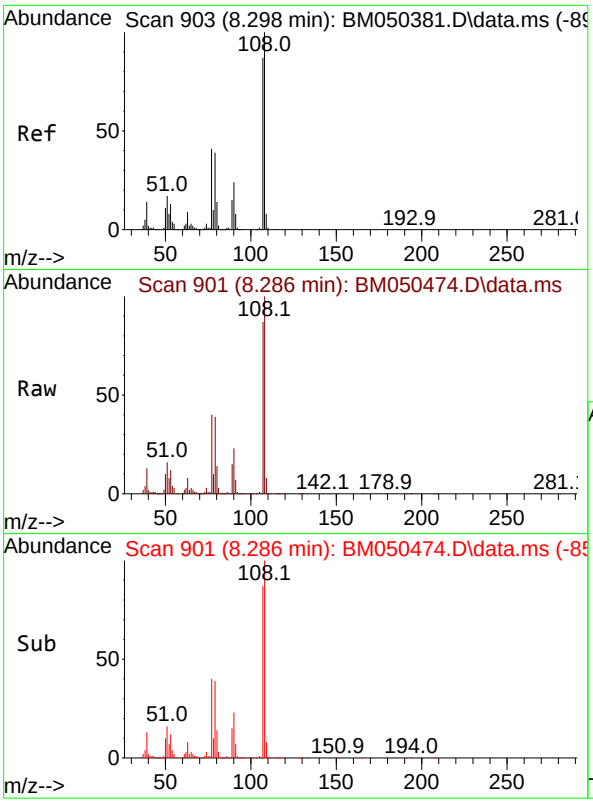



#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.266 ng
RT: 8.375 min Scan# 916
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion: 45 Resp: 1758506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 13.9 | 0.0 | 33.5 |
| 79 | 10.7 | 0.0 | 30.3 |

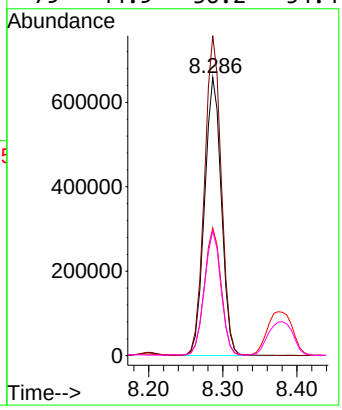





#17
2-Methylphenol
Concen: 39.975 ng
RT: 8.286 min Scan# 9(
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:107 Resp: 103716(

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 115.0 | 92.1 | 138.1 |
| 77 | 46.0 | 38.2 | 57.4 |
| 79 | 44.9 | 36.2 | 54.4 |




**Instrument :**
BNA_M
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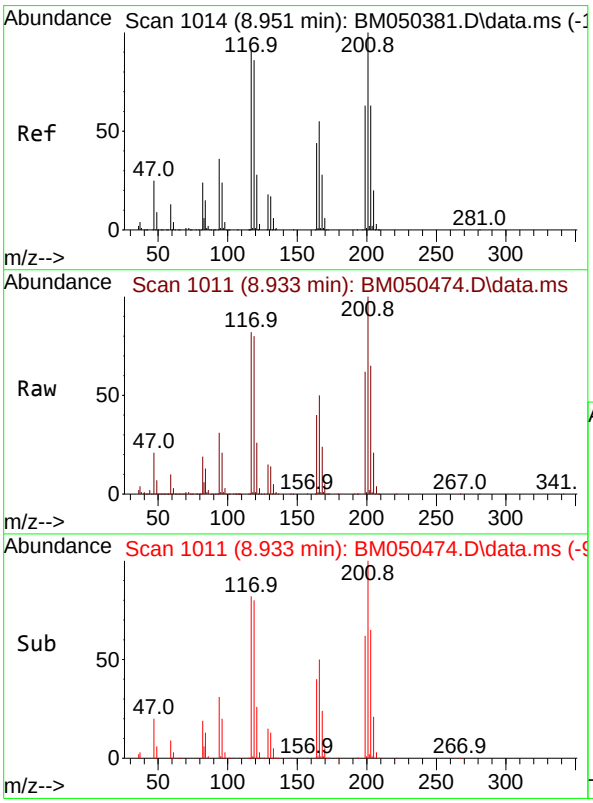
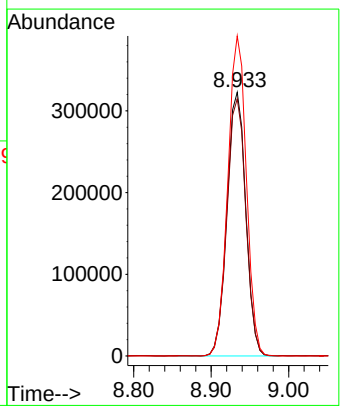
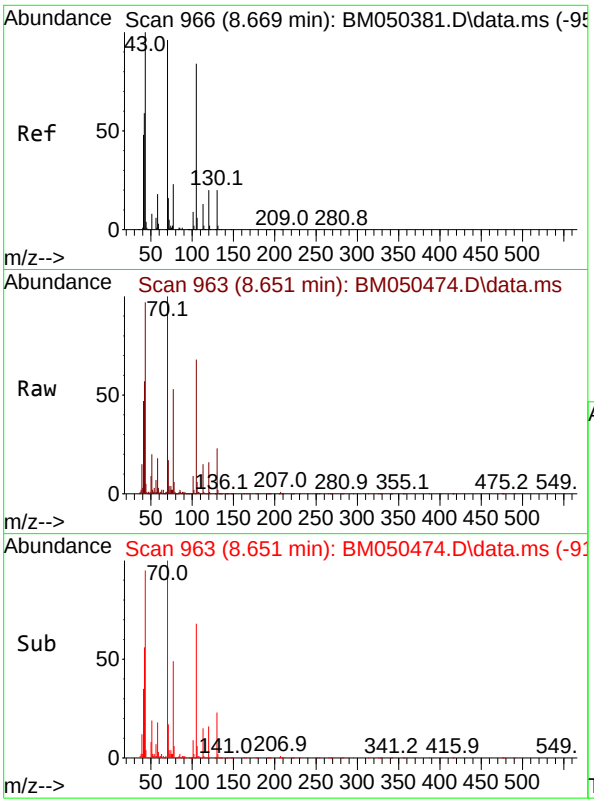



#18
Hexachloroethane
Concen: 39.058 ng
RT: 8.933 min Scan# 1011
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:117 Resp: 547143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.5 | 75.6 | 113.4 |
| 201 | 121.4 | 87.9 | 131.9 |

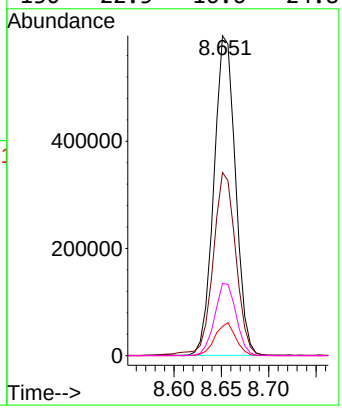





#19
n-Nitroso-di-n-propylamine
Concen: 40.738 ng
RT: 8.651 min Scan# 9(
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion: 70 Resp: 94652(

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 57.3 | 49.7 | 74.5 |
| 101 | 9.1 | 7.7 | 11.5 |
| 130 | 22.5 | 16.6 | 24.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
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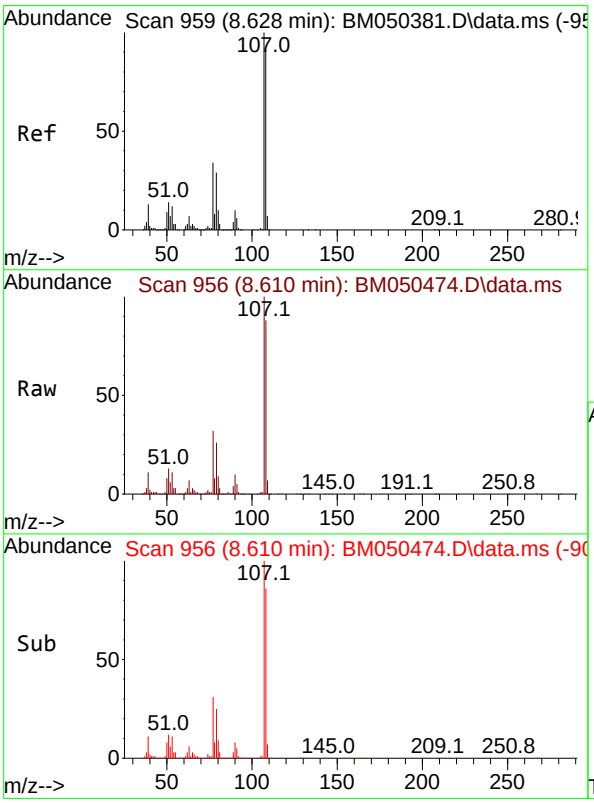
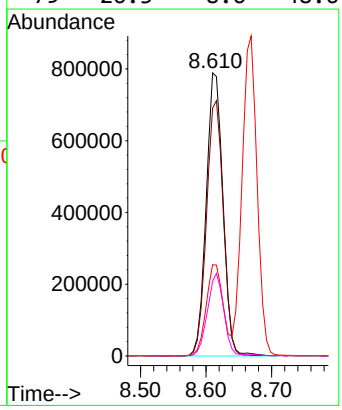
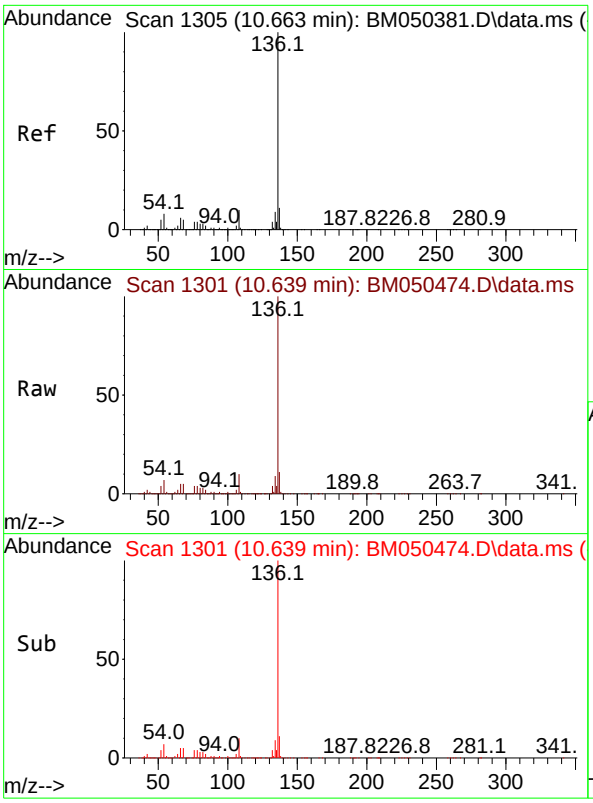



#20
3+4-Methylphenols
Concen: 40.317 ng
RT: 8.610 min Scan# 956
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:107 Resp: 1404236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 87.5 | 71.5 | 111.5 |
| 77 | 32.2 | 13.7 | 53.7 |
| 79 | 26.3 | 8.6 | 48.6 |

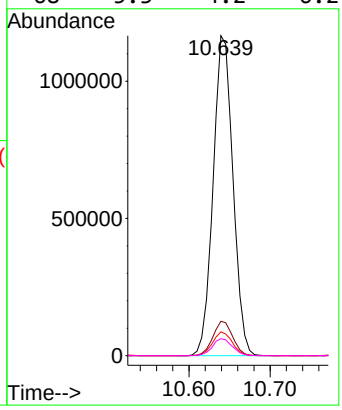





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:136 Resp: 198005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.8 | 13.2 |
| 54 | 7.5 | 6.3 | 9.5 |
| 68 | 5.3 | 4.2 | 6.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
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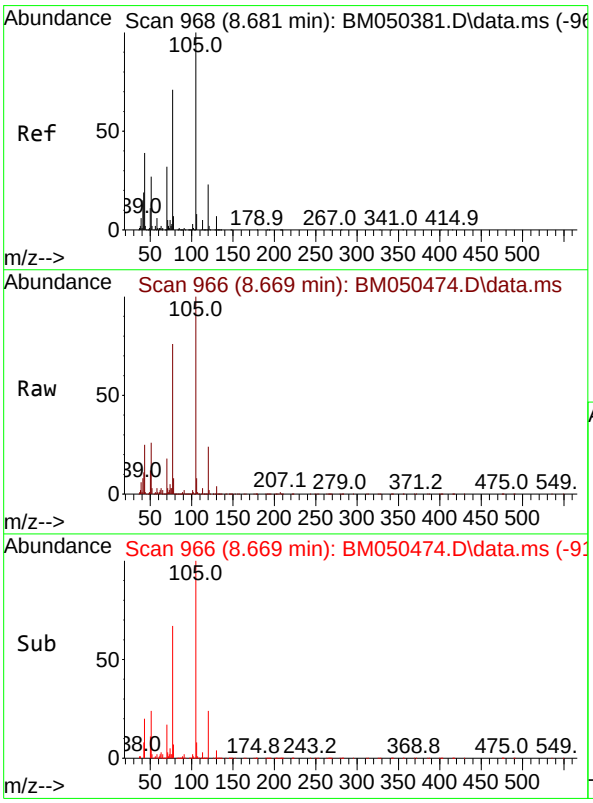
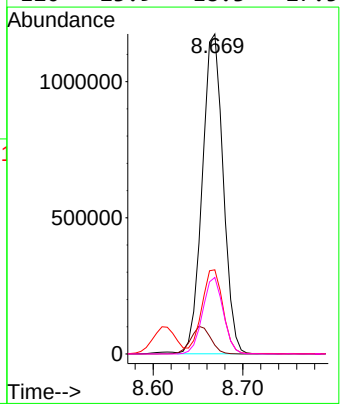
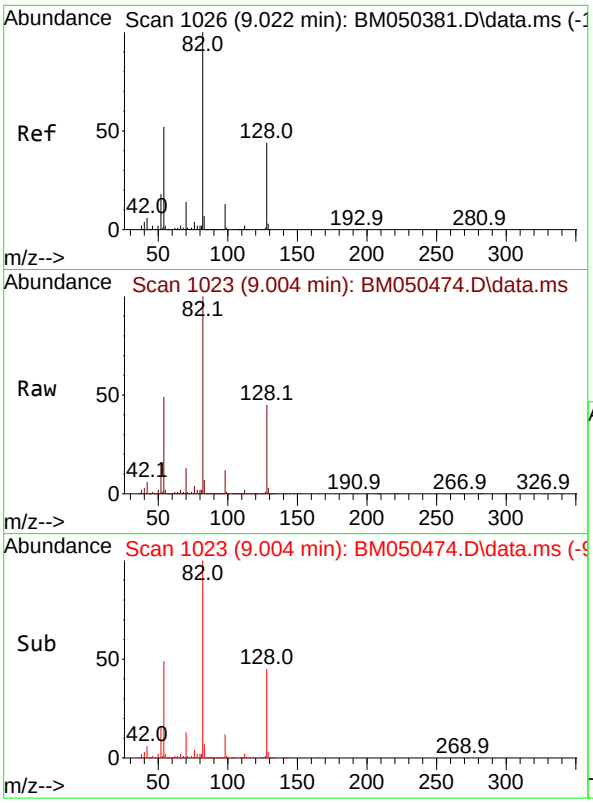



#22
Acetophenone
Concen: 38.371 ng
RT: 8.669 min Scan# 966
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:105 Resp: 1899608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 2.7 | 4.4 | 6.6# |
| 51 | 26.3 | 23.0 | 34.6 |
| 120 | 23.9 | 18.3 | 27.5 |






#23
Nitrobenzene-d5
Concen: 80.189 ng
RT: 9.004 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion: 82 Resp: 311222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.2 | 35.2 | 52.8 |
| 54 | 49.5 | 41.5 | 62.3 |

**Instrument :**
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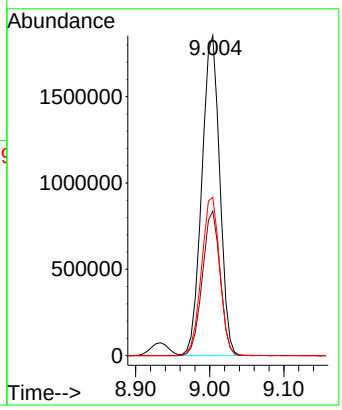
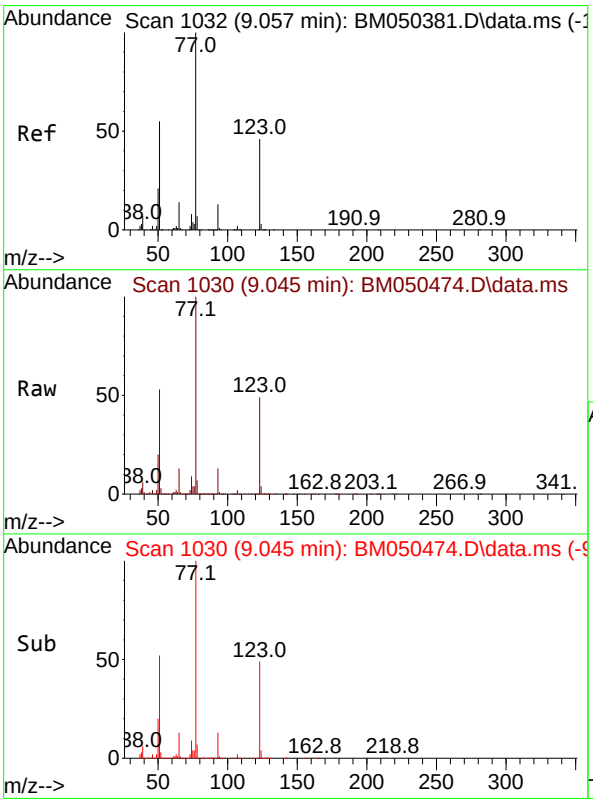
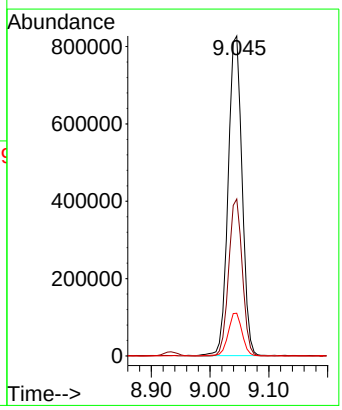


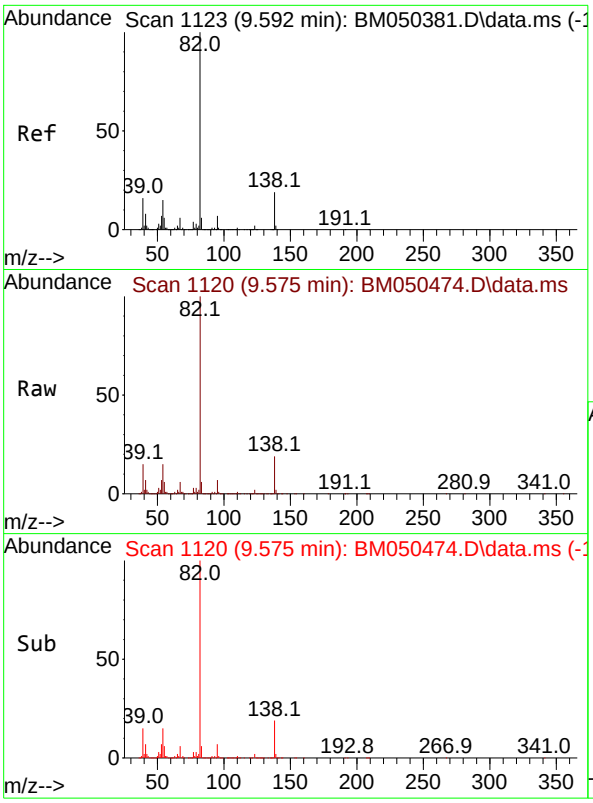




#24
Nitrobenzene
Concen: 39.263 ng
RT: 9.045 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion: 77 Resp: 1359808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 49.1 | 37.0 | 55.6 |
| 65 | 13.4 | 11.0 | 16.4 |

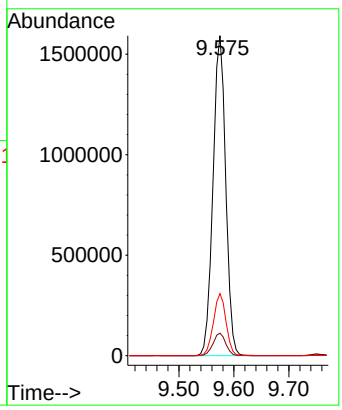





#25
Isophorone
Concen: 40.552 ng
RT: 9.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion: 82 Resp: 255388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.1 | 5.6 | 8.4 |
| 138 | 19.4 | 15.3 | 22.9 |

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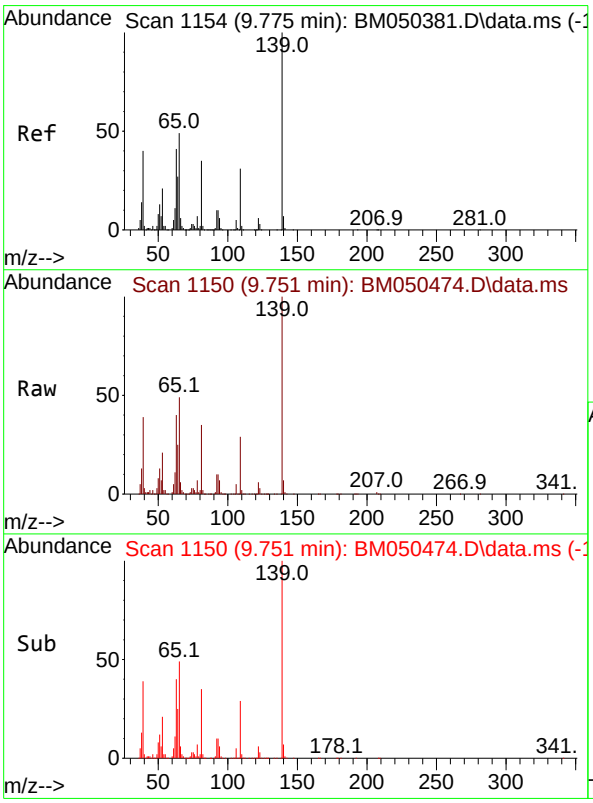
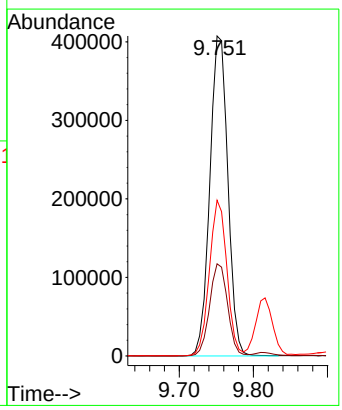
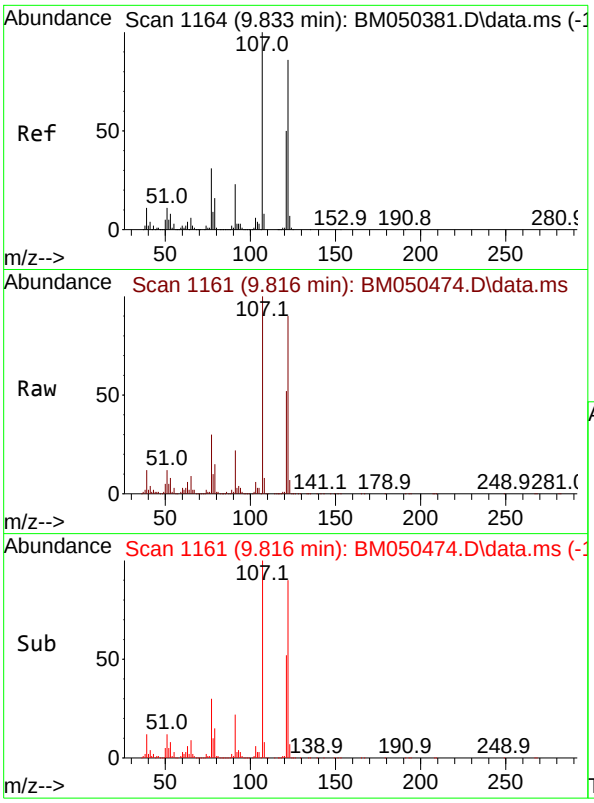



#26
2-Nitrophenol
Concen: 48.676 ng
RT: 9.751 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:139 Resp: 687069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 28.8 | 24.6 | 36.8 |
| 65 | 48.6 | 39.2 | 58.8 |

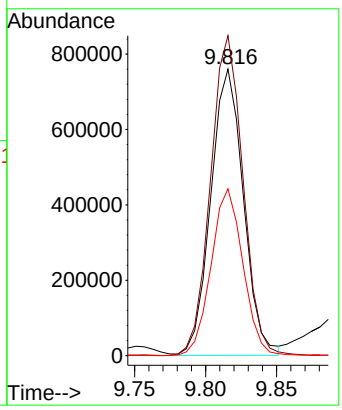





#27
2,4-Dimethylphenol
Concen: 40.409 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:122 Resp: 121371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 111.7 | 93.0 | 139.6 |
| 121 | 58.3 | 46.1 | 69.1 |




**Instrument :**
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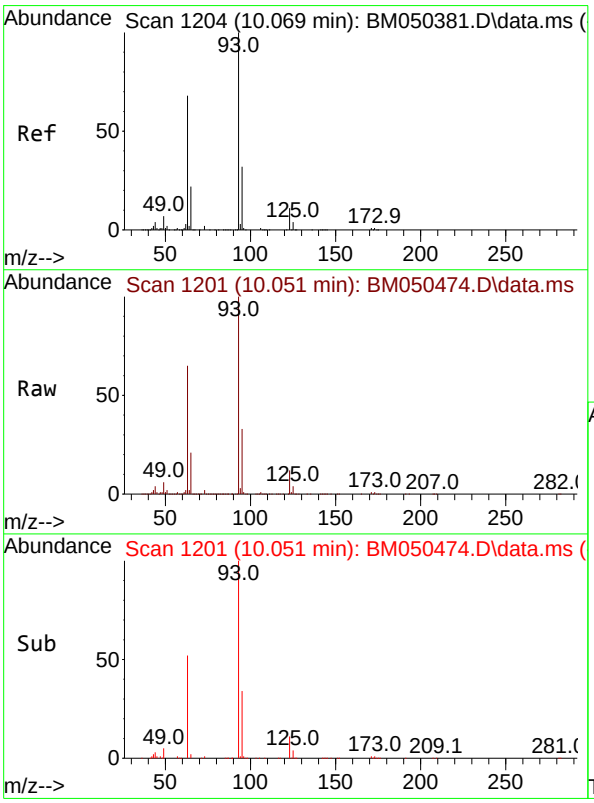
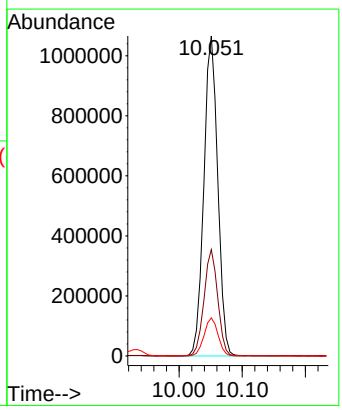
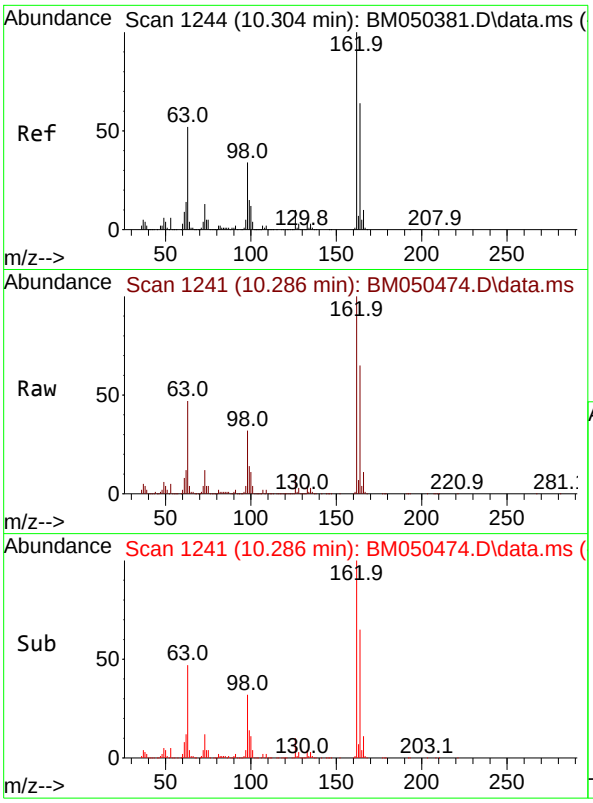



#28
bis(2-Chloroethoxy)methane
Concen: 39.081 ng
RT: 10.051 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion: 93 Resp: 1630857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.3 | 25.8 | 38.6 |
| 123 | 11.9 | 9.1 | 13.7 |

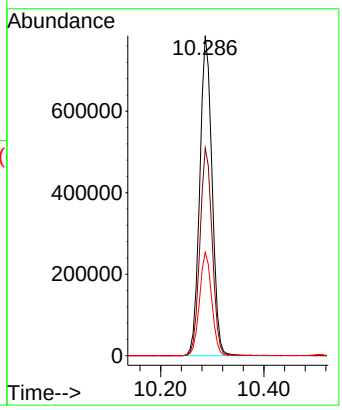





#29
2,4-Dichlorophenol
Concen: 41.992 ng
RT: 10.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:162 Resp: 129577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.8 | 43.7 | 83.7 |
| 98 | 32.3 | 13.7 | 53.7 |




**Instrument :**
BNA_M
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SSTDCCC040

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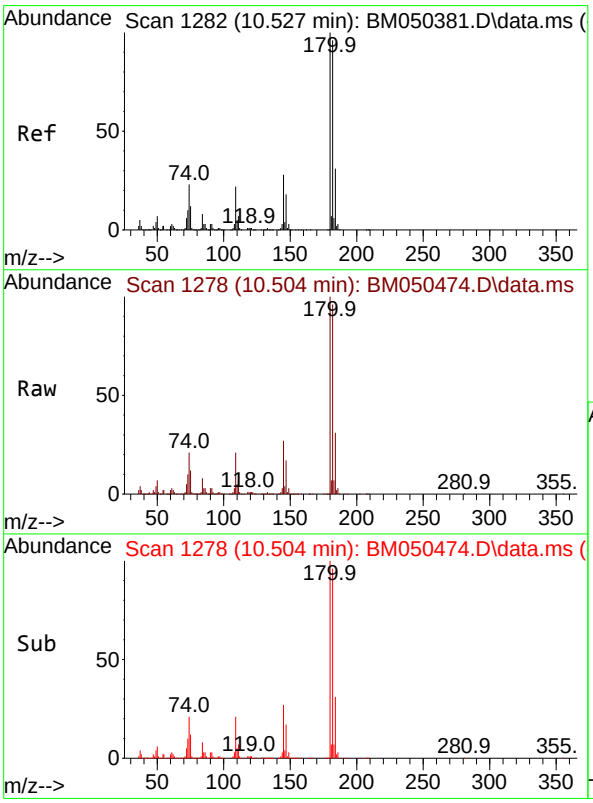
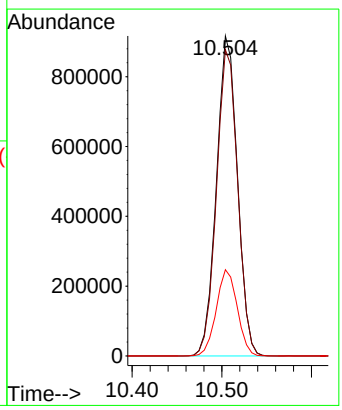
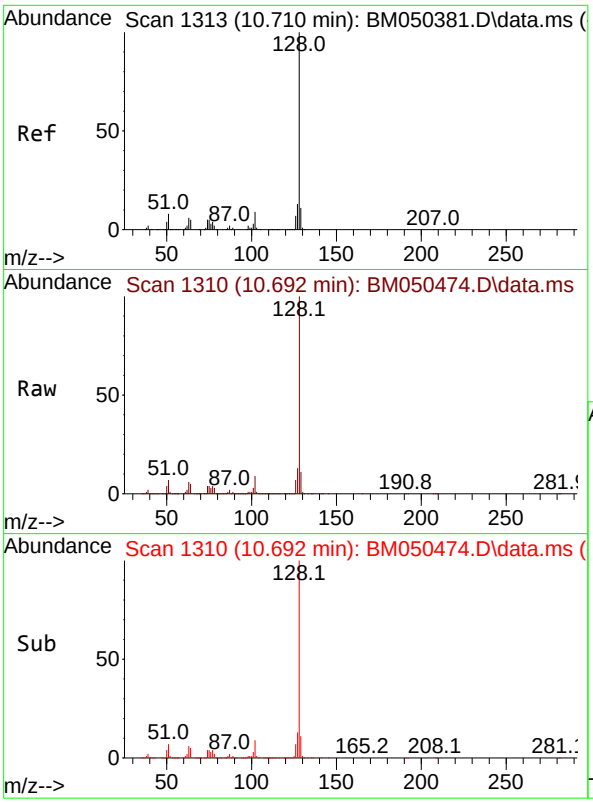



#30
1,2,4-Trichlorobenzene
Concen: 40.402 ng
RT: 10.504 min Scan# 1278
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:180 Resp: 1491395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 76.8 | 115.2 |
| 145 | 27.0 | 22.6 | 33.8 |

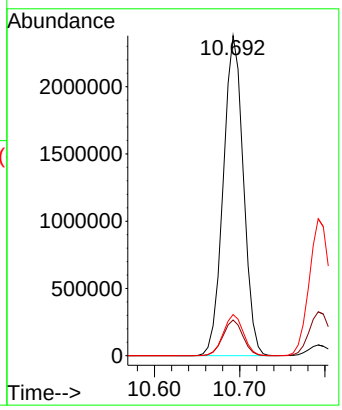





#31
Naphthalene
Concen: 38.814 ng
RT: 10.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:128 Resp: 390365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 8.8 | 13.2 |
| 127 | 12.8 | 10.4 | 15.6 |




**Instrument :**
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**ClientSampleId :**
SSTDCCC040

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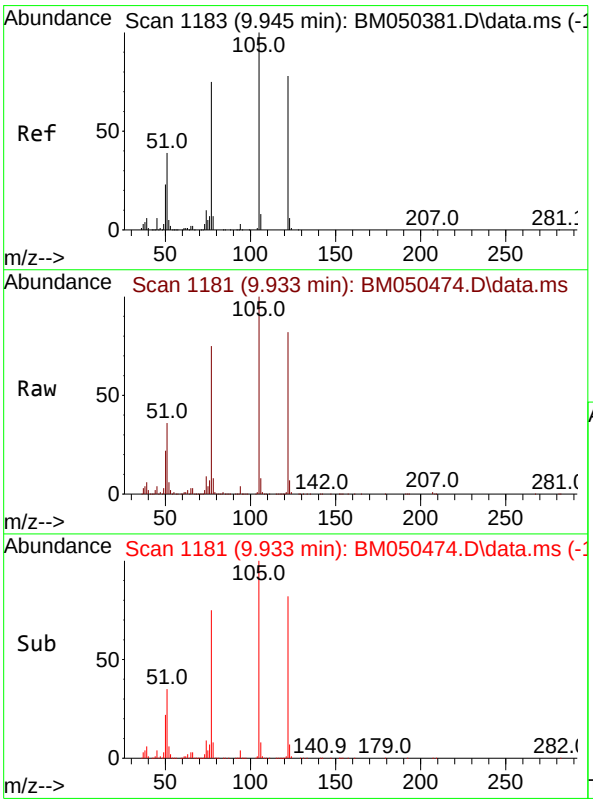
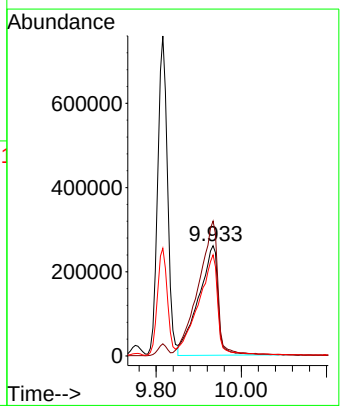
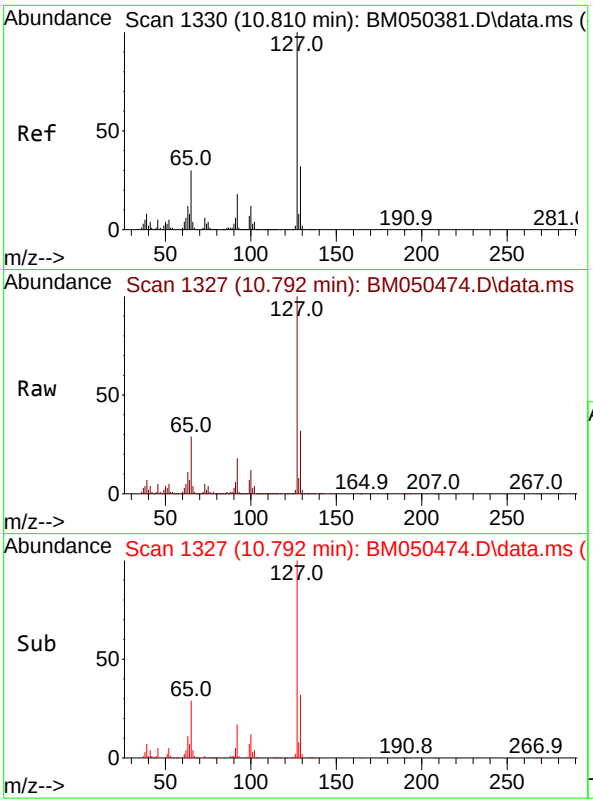



#32
Benzoic acid
Concen: 45.728 ng
RT: 9.933 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:122 Resp: 837102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 122.3 | 104.0 | 144.0 |
| 77 | 91.6 | 73.8 | 113.8 |

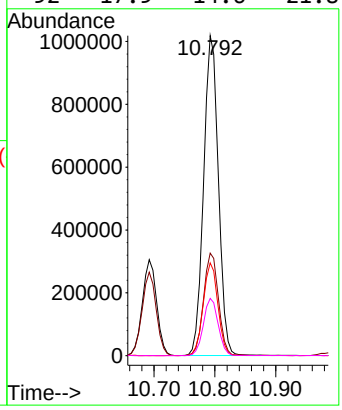





#33
4-Chloroaniline
Concen: 40.450 ng
RT: 10.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:127 Resp: 171985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.0 | 25.5 | 38.3 |
| 65 | 29.0 | 23.9 | 35.9 |
| 92 | 17.9 | 14.6 | 21.8 |




**Instrument :**
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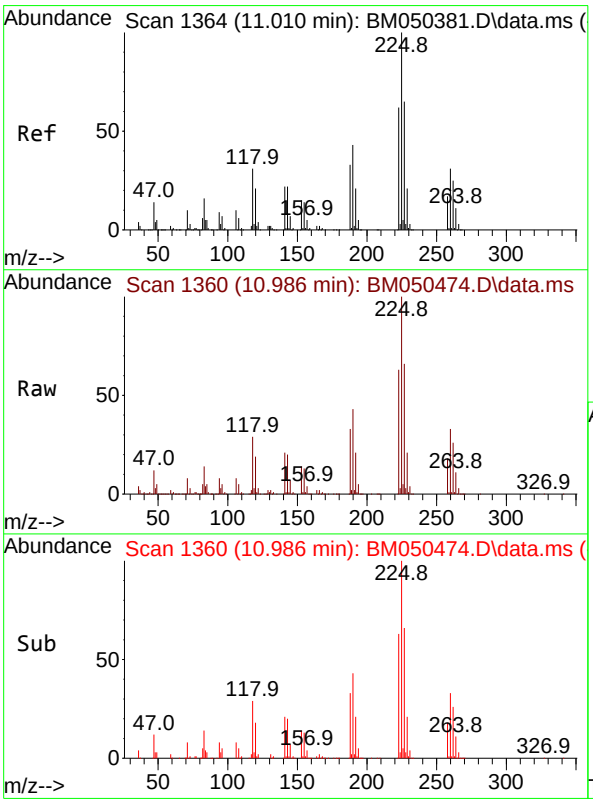
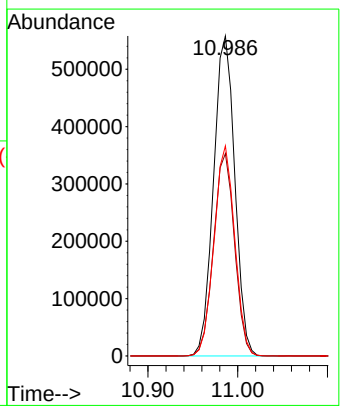
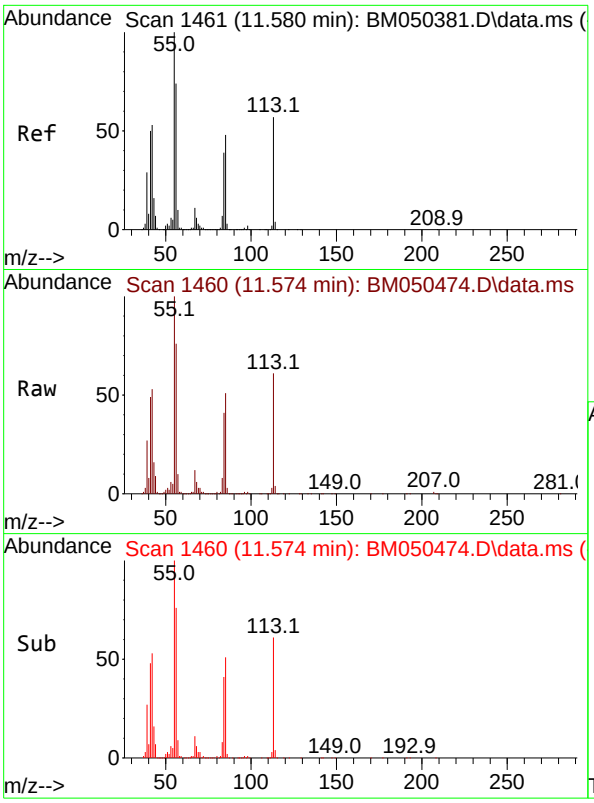



#34
Hexachlorobutadiene
Concen: 40.685 ng
RT: 10.986 min Scan# 1360
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:225 Resp: 916621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.2 | 49.7 | 74.5 |
| 227 | 65.7 | 52.1 | 78.1 |

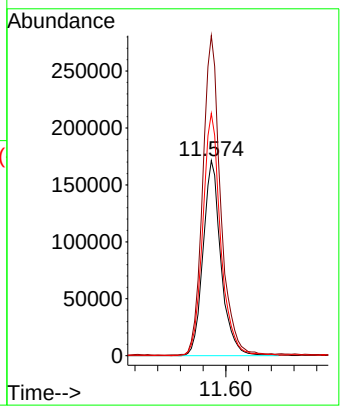





#35
Caprolactam
Concen: 44.295 ng
RT: 11.574 min Scan# 14
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:113 Resp: 37312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 164.1 | 157.2 | 197.2 |
| 56 | 124.2 | 111.7 | 151.7 |

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BNA_M
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SSTDCCC040

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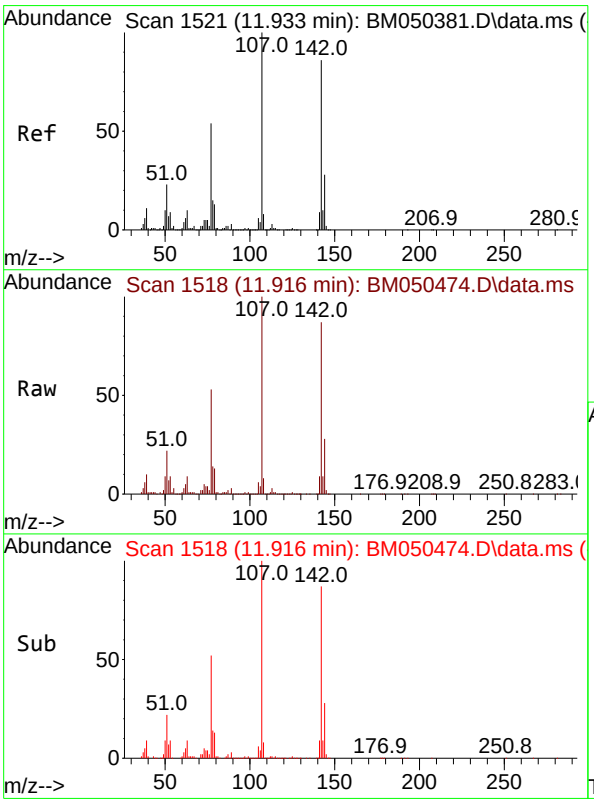
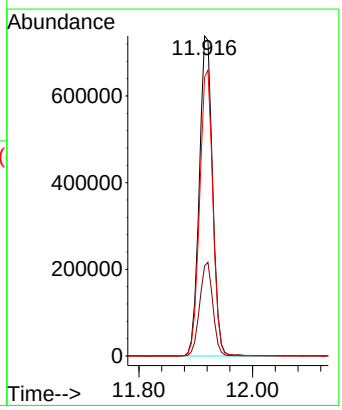
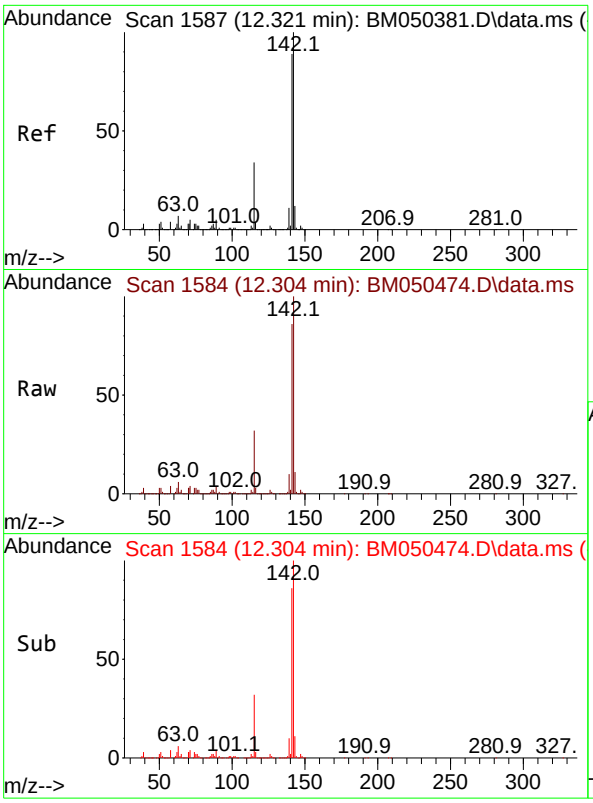



#36
4-Chloro-3-methylphenol
Concen: 41.560 ng
RT: 11.916 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:107 Resp: 1197560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 28.1 | 22.2 | 33.4 |
| 142 | 87.1 | 68.7 | 103.1 |

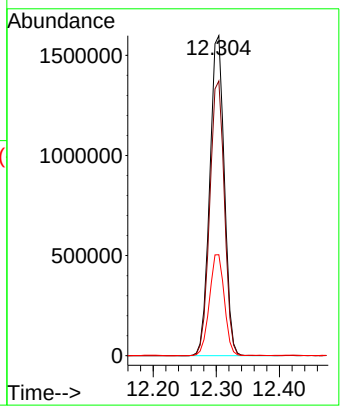





#37
2-Methylnaphthalene
Concen: 40.297 ng
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:142 Resp: 255893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 85.8 | 70.8 | 106.2 |
| 115 | 31.6 | 27.0 | 40.4 |




**Instrument :**
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SSTDCCC040

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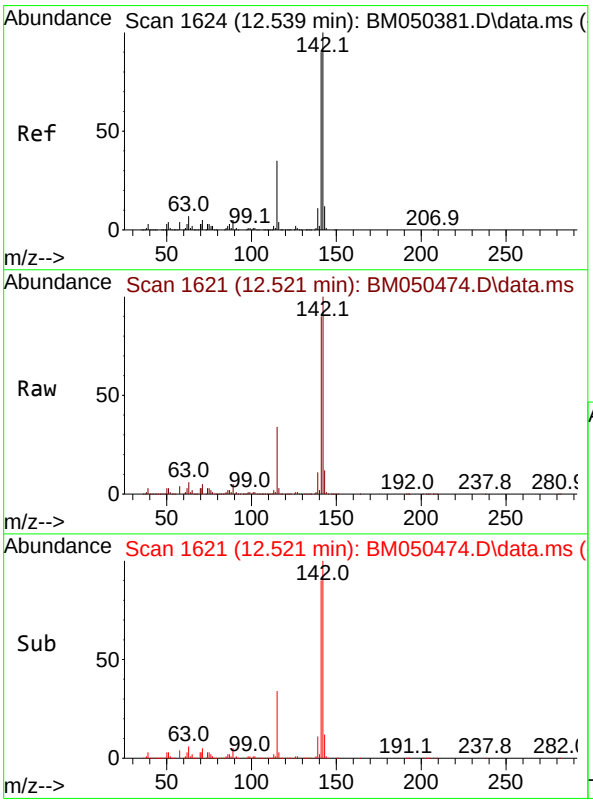
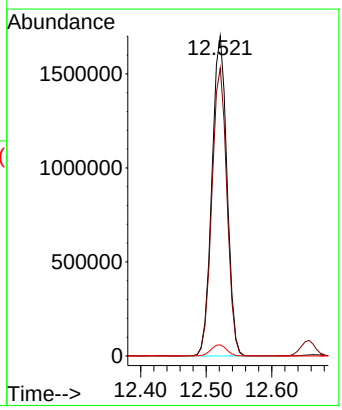
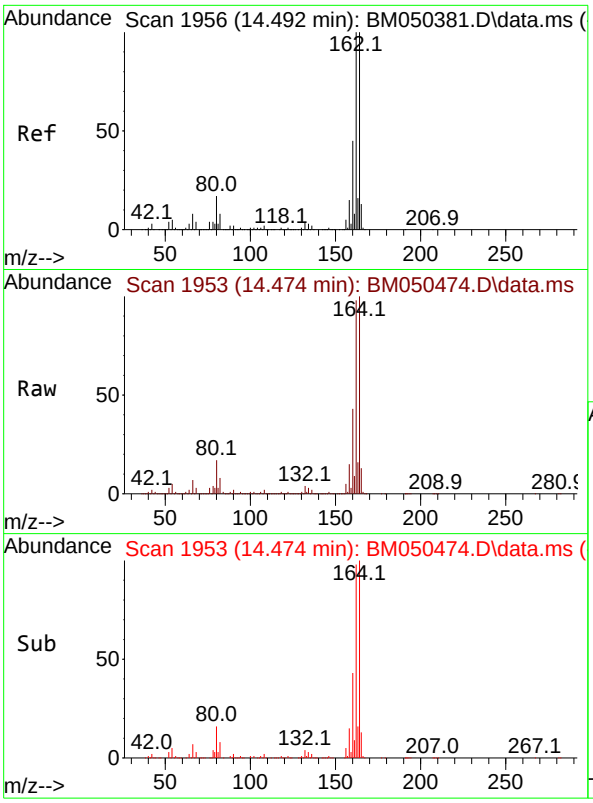



#38
1-Methylnaphthalene
Concen: 40.236 ng
RT: 12.521 min Scan# 1621
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:142 Resp: 2704024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.0 | 71.9 | 107.9 |
| 116 | 3.5 | 3.0 | 4.6 |

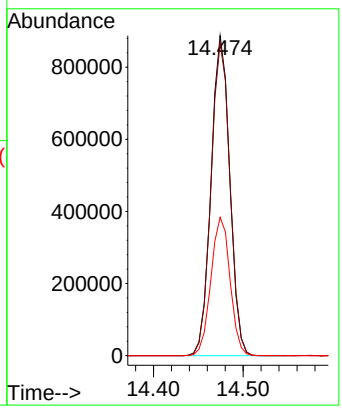





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:164 Resp: 128332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 97.8 | 79.9 | 119.9 |
| 160 | 43.3 | 36.2 | 54.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
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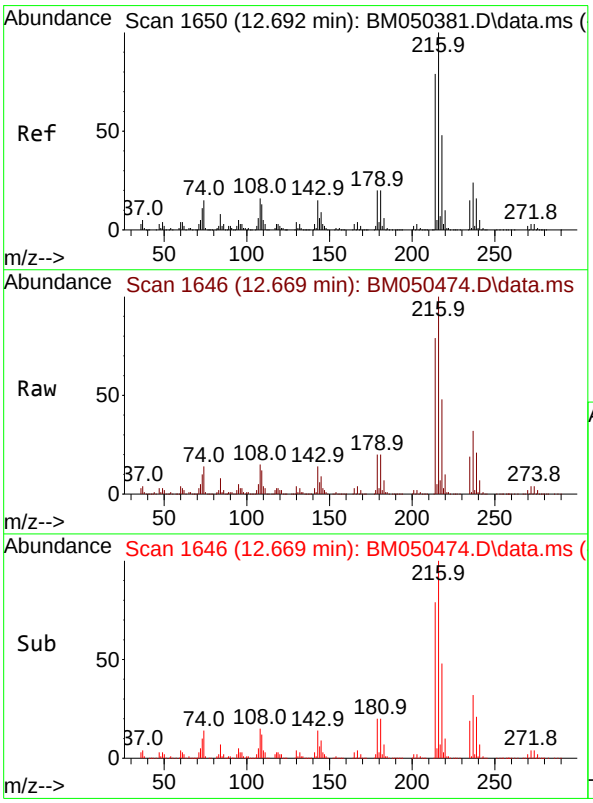
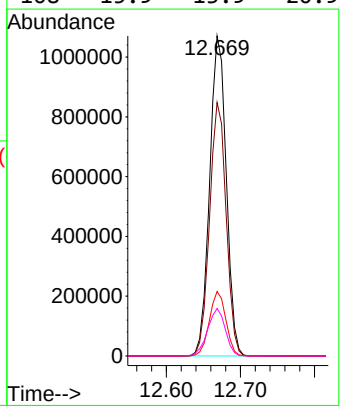
Supervised By :Jagrut Upadhyay 07/18/2025

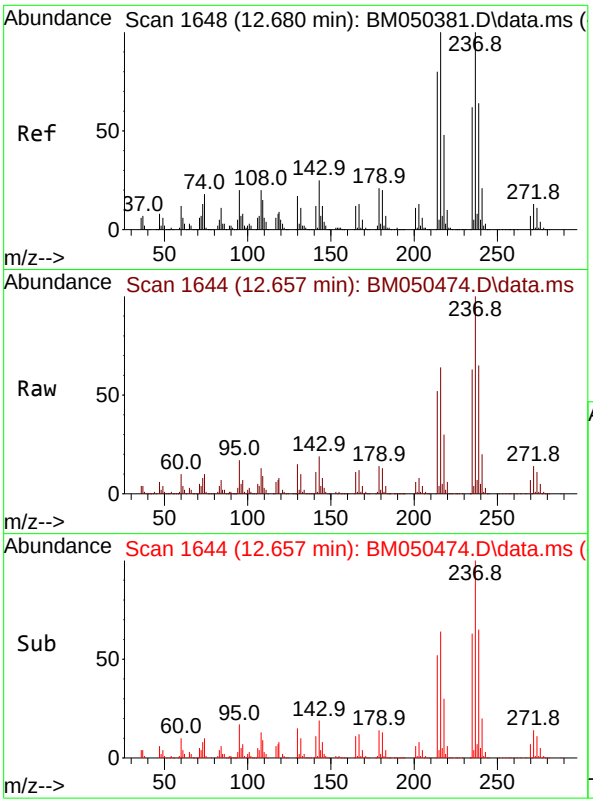



#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.759 ng
RT: 12.669 min Scan# 1646
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:216 Resp: 1663387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.9 | 63.3 | 94.9 |
| 179 | 20.0 | 16.4 | 24.6 |
| 108 | 15.9 | 13.9 | 20.9 |






#41
Hexachlorocyclopentadiene
Concen: 42.878 ng
RT: 12.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:237 Resp: 111854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.9 | 42.3 | 82.3 |
| 272 | 13.5 | 0.0 | 33.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

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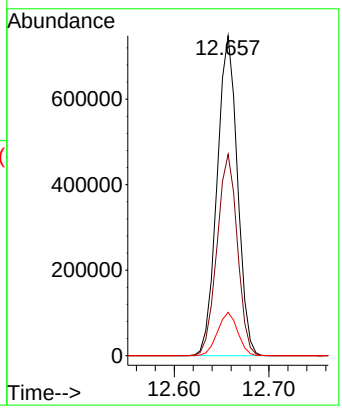
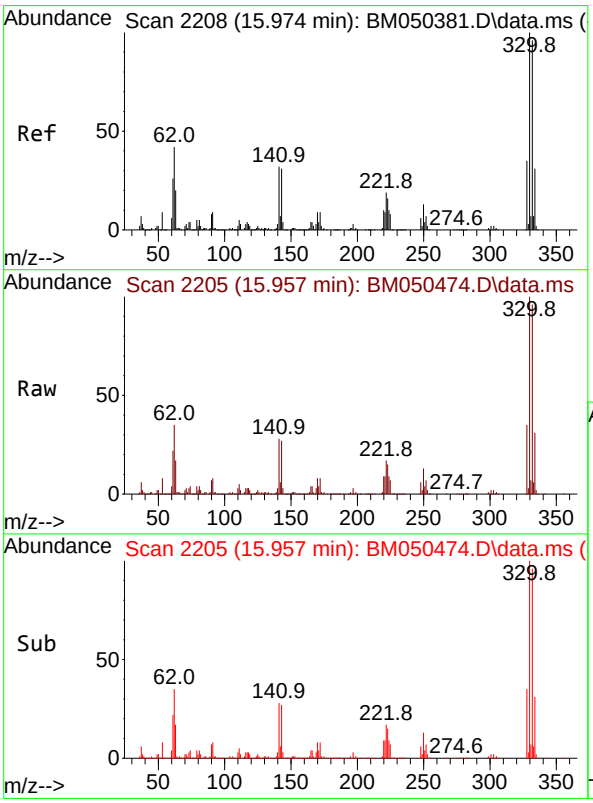
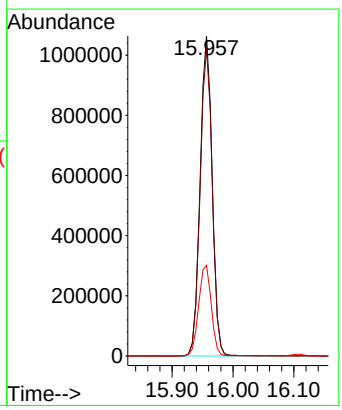


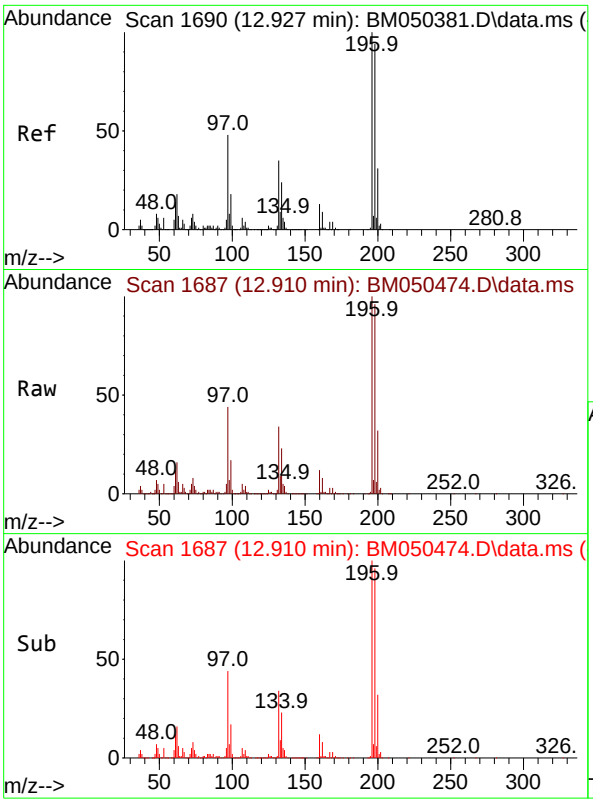




#42
2,4,6-Tribromophenol
Concen: 93.381 ng
RT: 15.957 min Scan# 2205
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:330 Resp: 1456045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 76.9 | 115.3 |
| 141 | 29.8 | 27.4 | 41.0 |

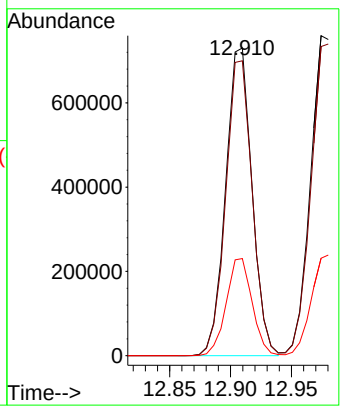





#43
2,4,6-Trichlorophenol
Concen: 43.796 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:196 Resp: 110018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.9 | 75.1 | 112.7 |
| 200 | 31.6 | 24.6 | 37.0 |




**Instrument :**
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**ClientSampleId :**
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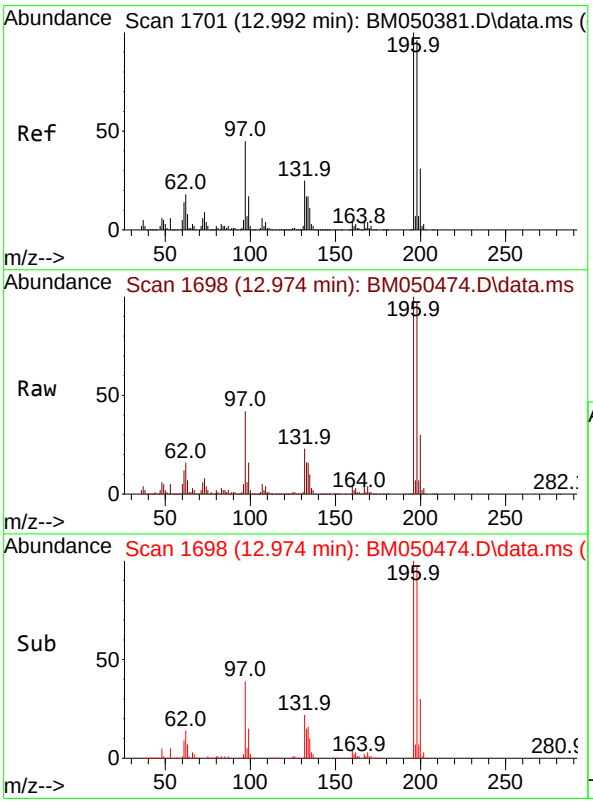
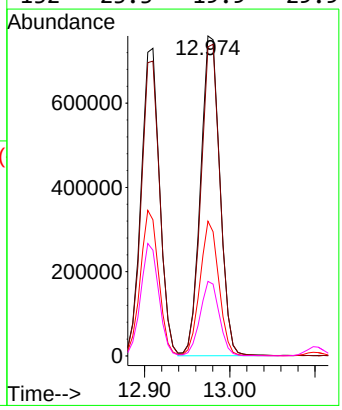
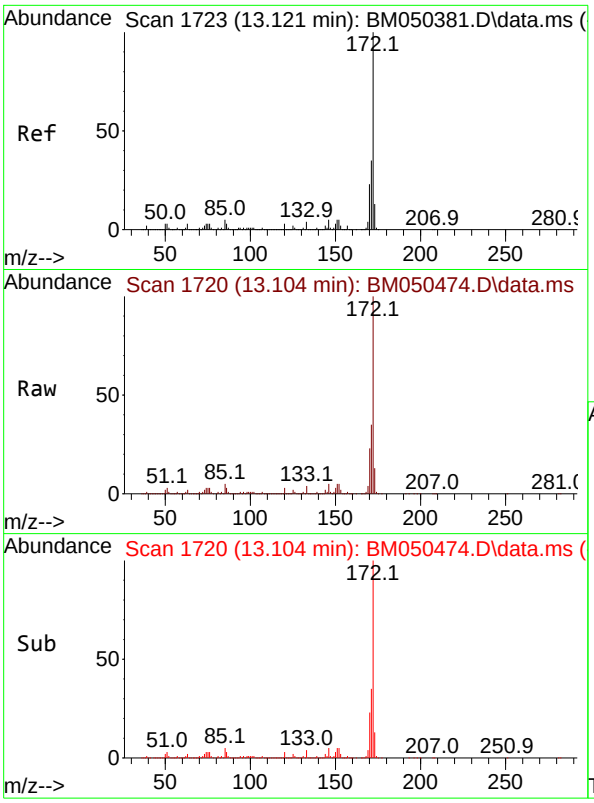



#44
2,4,5-Trichlorophenol
Concen: 43.580 ng
RT: 12.974 min Scan# 1698
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:196 Resp: 1195616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.6 | 77.2 | 115.8 |
| 97 | 42.1 | 36.2 | 54.4 |
| 132 | 23.3 | 19.9 | 29.9 |

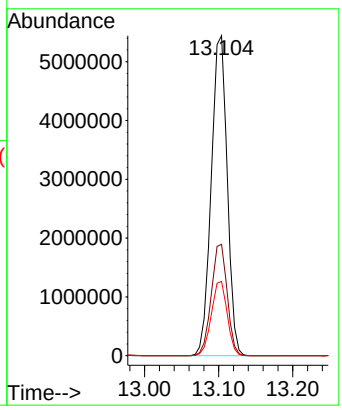





#45
2-Fluorobiphenyl
Concen: 78.224 ng
RT: 13.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:172 Resp: 812893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.8 | 27.7 | 41.5 |
| 170 | 23.2 | 18.8 | 28.2 |




**Instrument :**
BNA_M
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SSTDCCC040

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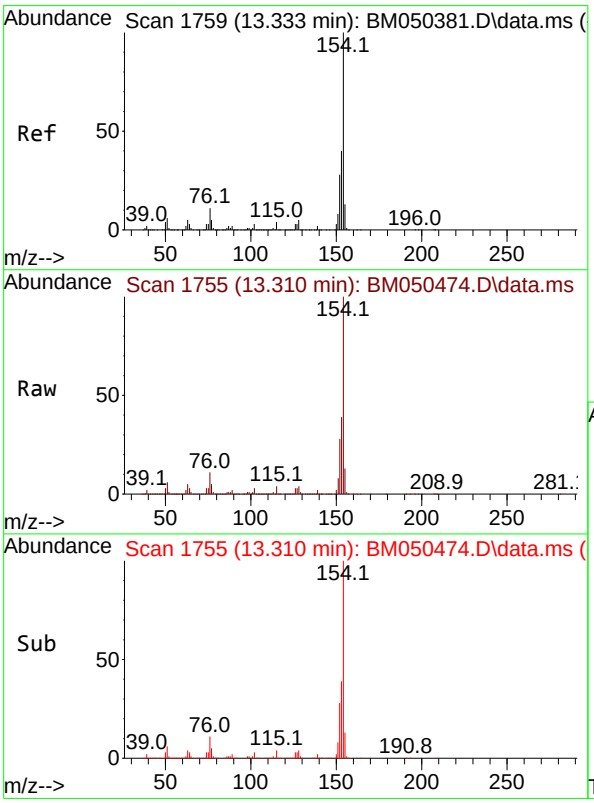
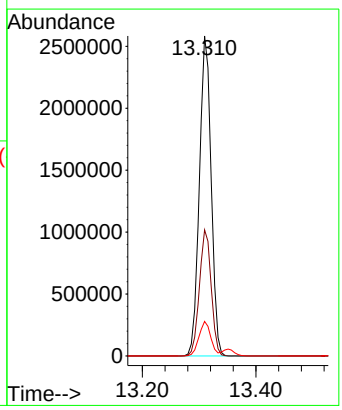
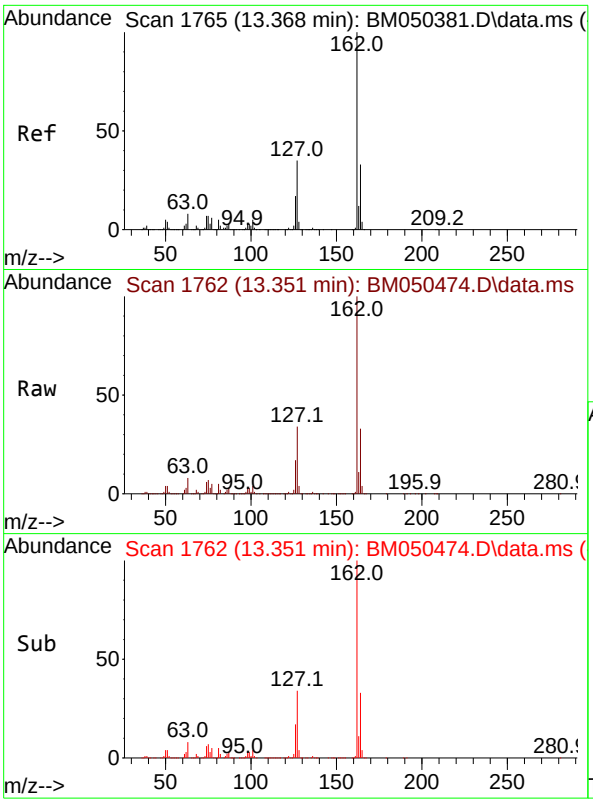



#46
1,1'-Biphenyl
Concen: 38.969 ng
RT: 13.310 min Scan# 1755
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:154 Resp: 3710435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.4 | 19.7 | 59.7 |
| 76 | 10.8 | 0.0 | 30.9 |

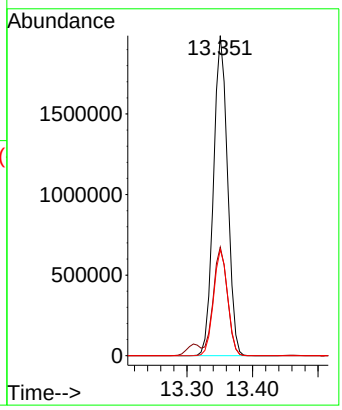





#47
2-Chloronaphthalene
Concen: 38.897 ng
RT: 13.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:162 Resp: 295286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 34.0 | 28.3 | 42.5 |
| 164 | 33.2 | 26.6 | 40.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

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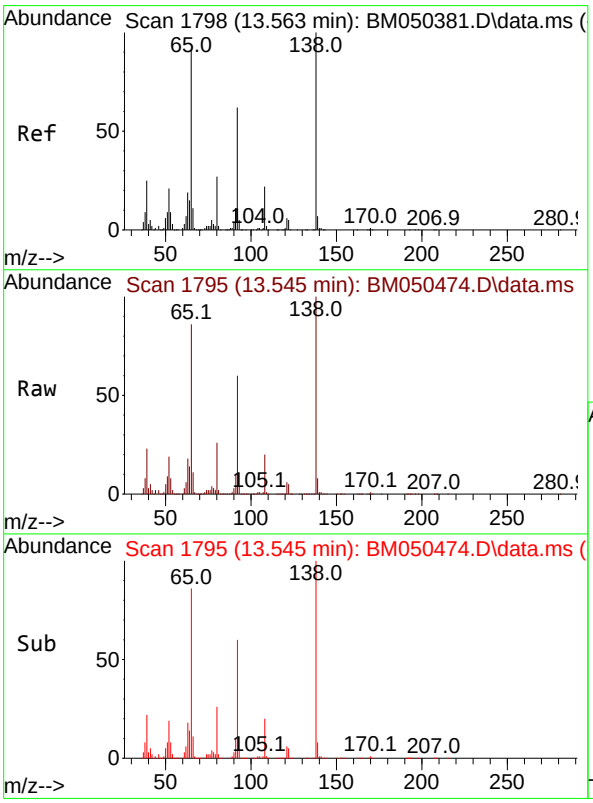
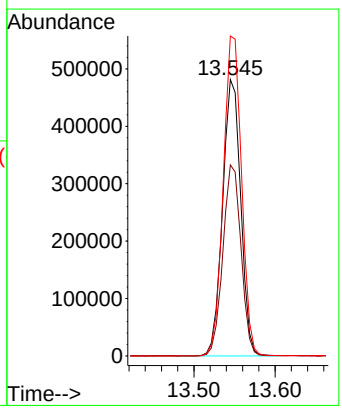
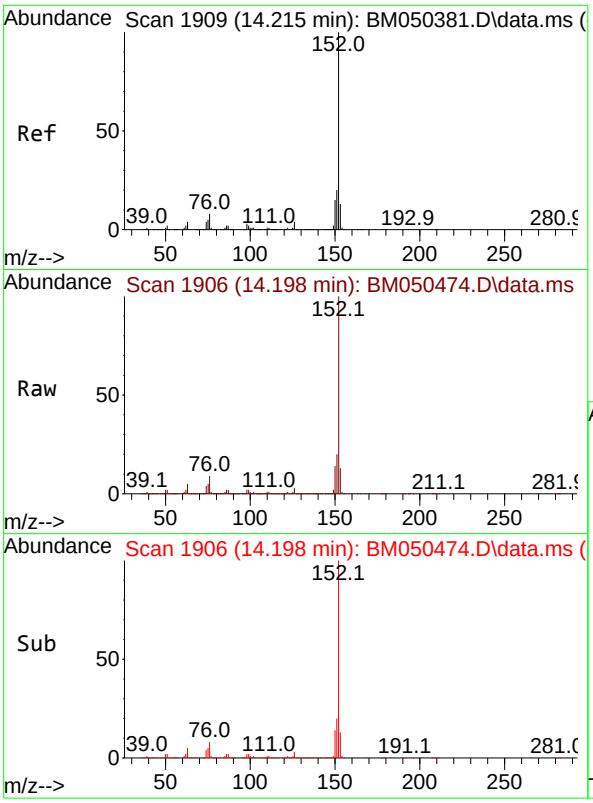



#48
2-Nitroaniline
Concen: 44.208 ng
RT: 13.545 min Scan# 1795
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion: 65 Resp: 749098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 69.1 | 54.3 | 81.5 |
| 138 | 115.7 | 87.8 | 131.6 |

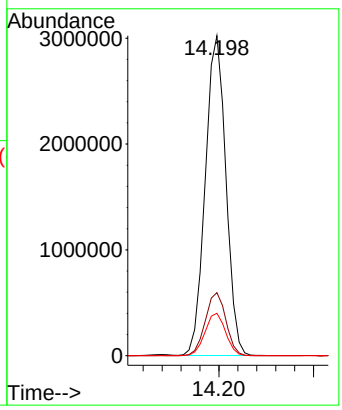





#49
Acenaphthylene
Concen: 39.833 ng
RT: 14.198 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:152 Resp: 457003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.7 | 16.3 | 24.5 |
| 153 | 13.2 | 10.6 | 15.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

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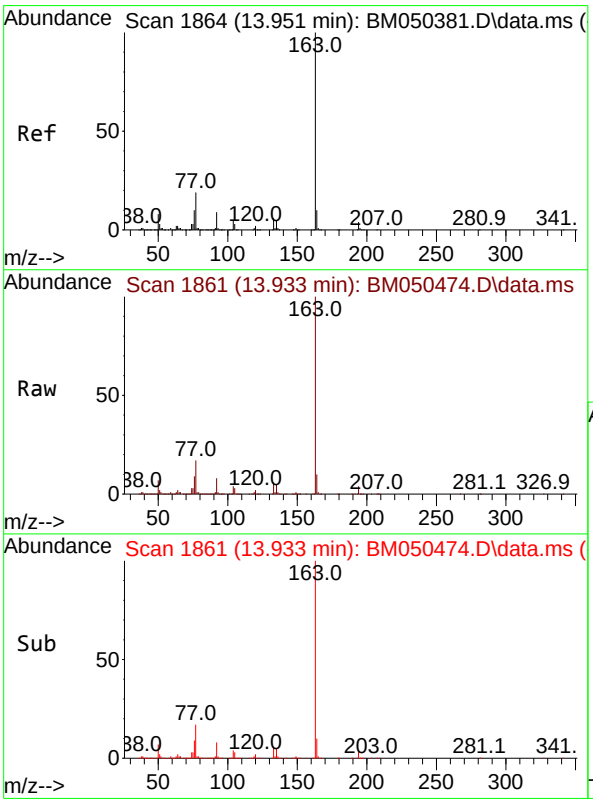
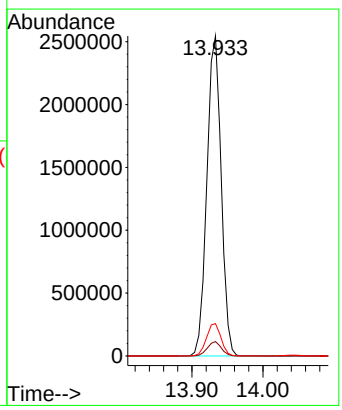
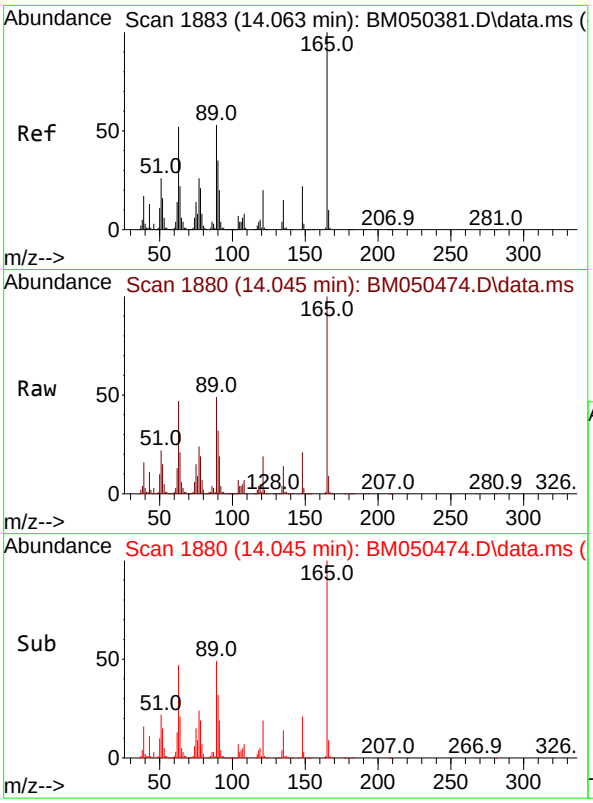



#50
Dimethylphthalate
Concen: 40.270 ng
RT: 13.933 min Scan# 1861
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:163 Resp: 3557955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.5 | 3.4 | 5.2 |
| 164 | 10.1 | 8.2 | 12.2 |

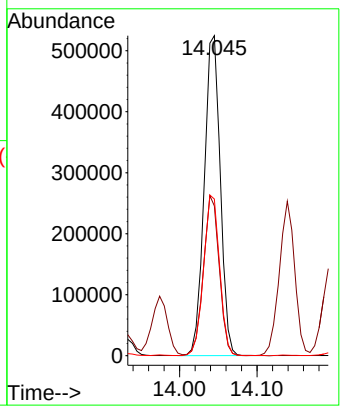





#51
2,6-Dinitrotoluene
Concen: 44.367 ng
RT: 14.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:165 Resp: 75265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 46.8 | 42.4 | 63.6 |
| 89 | 48.9 | 42.2 | 63.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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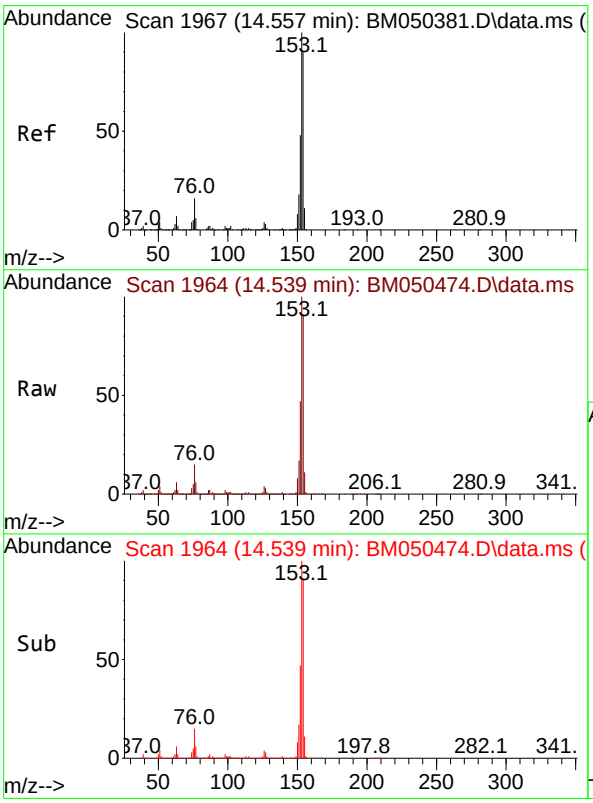
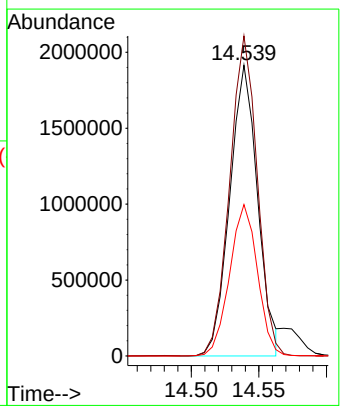
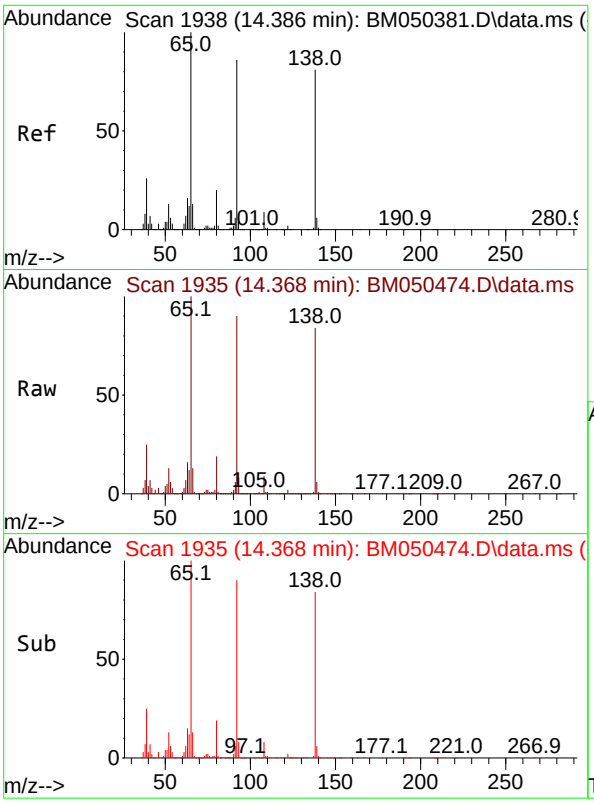



#52
Acenaphthene
Concen: 37.753 ng m
RT: 14.539 min Scan# 1964
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:154 Resp: 2753717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 110.1 | 89.2 | 133.8 |
| 152 | 52.1 | 42.6 | 64.0 |






#53
3-Nitroaniline
Concen: 44.377 ng
RT: 14.368 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:138 Resp: 80061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.2 | 8.8 | 13.2 |
| 92 | 106.2 | 85.0 | 127.6 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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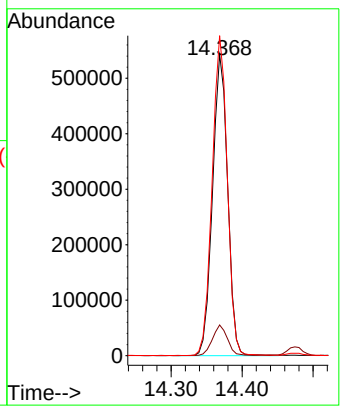
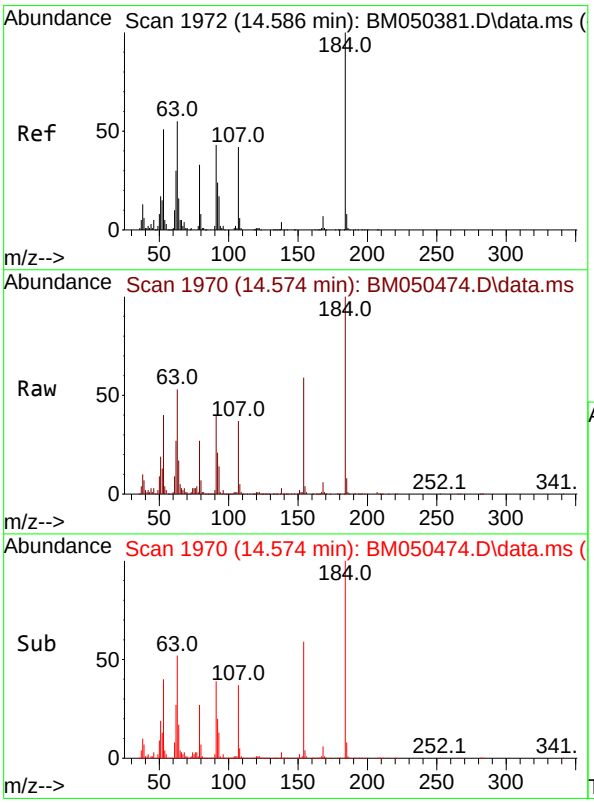
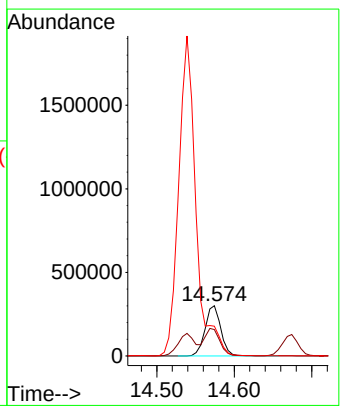


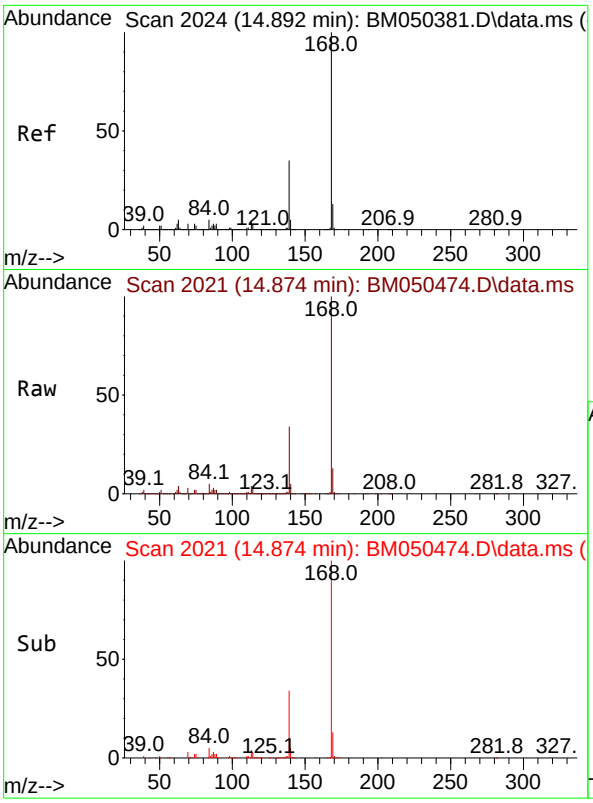




#54
2,4-Dinitrophenol
Concen: 47.990 ng
RT: 14.574 min Scan# 1970
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:184 Resp: 423149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 52.5 | 53.4 | 80.0# |
| 154 | 59.4 | 61.6 | 92.4# |

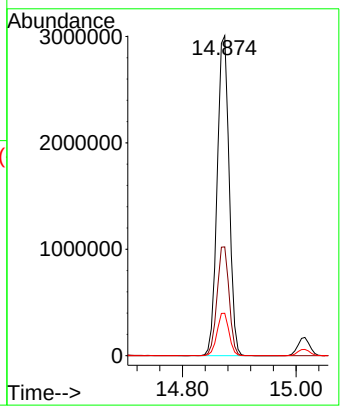





#55
Dibenzofuran
Concen: 39.019 ng
RT: 14.874 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:168 Resp: 438521(

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 34.0 | 27.7 | 41.5 |
| 169 | 13.3 | 10.7 | 16.1 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

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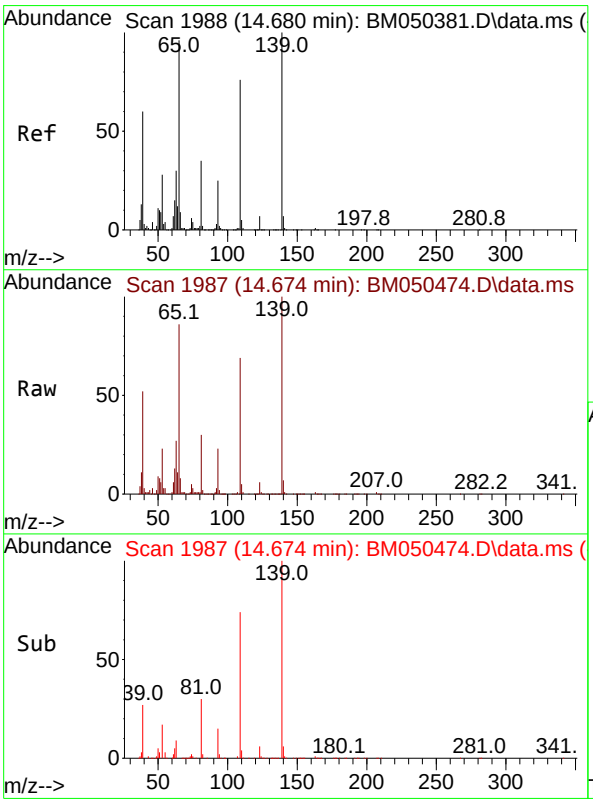
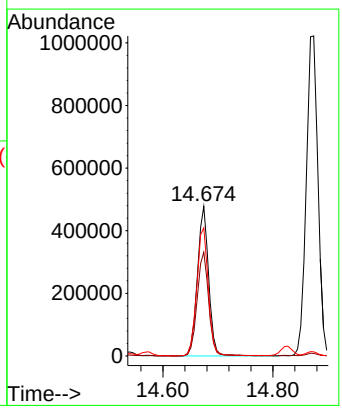
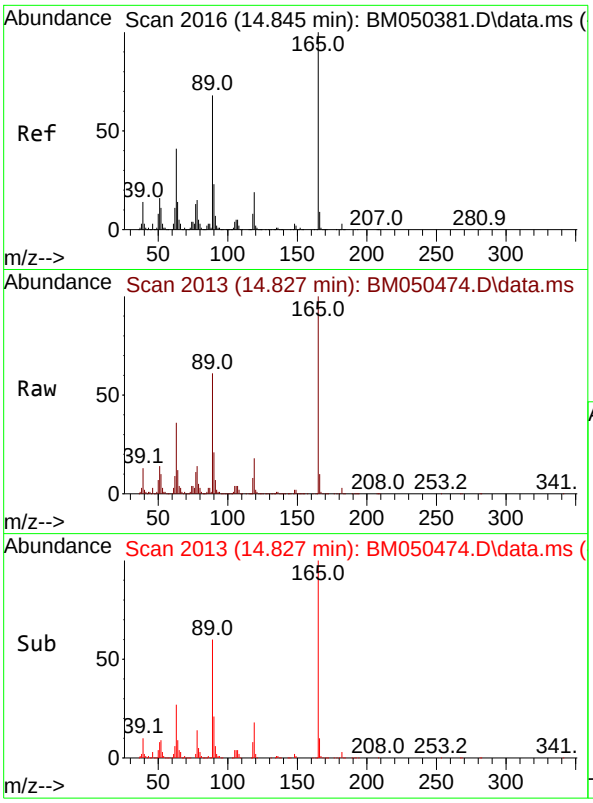



#56
4-Nitrophenol
Concen: 44.005 ng
RT: 14.674 min Scan# 1987
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:139 Resp: 682725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 69.3 | 56.5 | 96.5 |
| 65 | 85.6 | 76.4 | 116.4 |

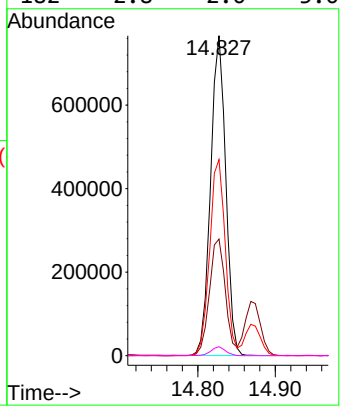





#57
2,4-Dinitrotoluene
Concen: 41.533 ng
RT: 14.827 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:165 Resp: 104486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 36.4 | 32.5 | 48.7 |
| 89 | 61.3 | 54.0 | 81.0 |
| 182 | 2.8 | 2.0 | 3.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
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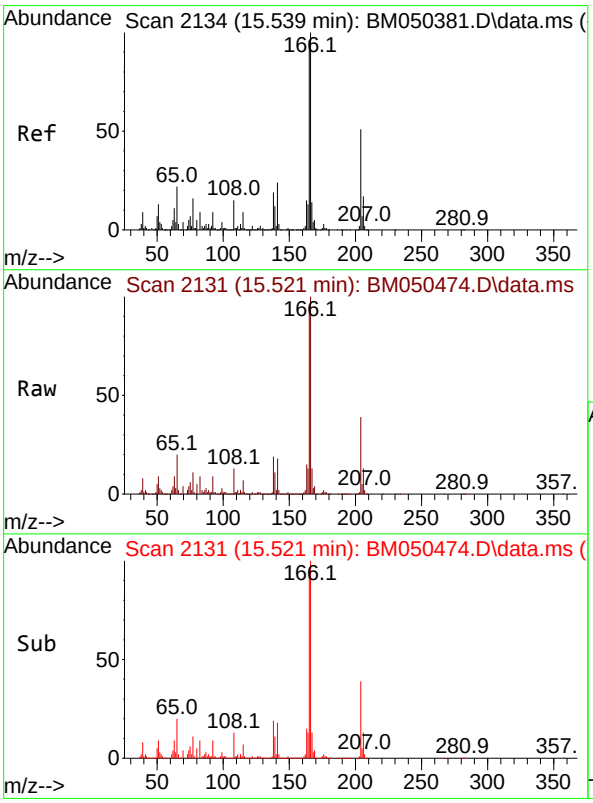
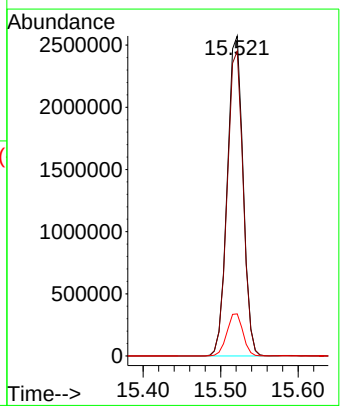
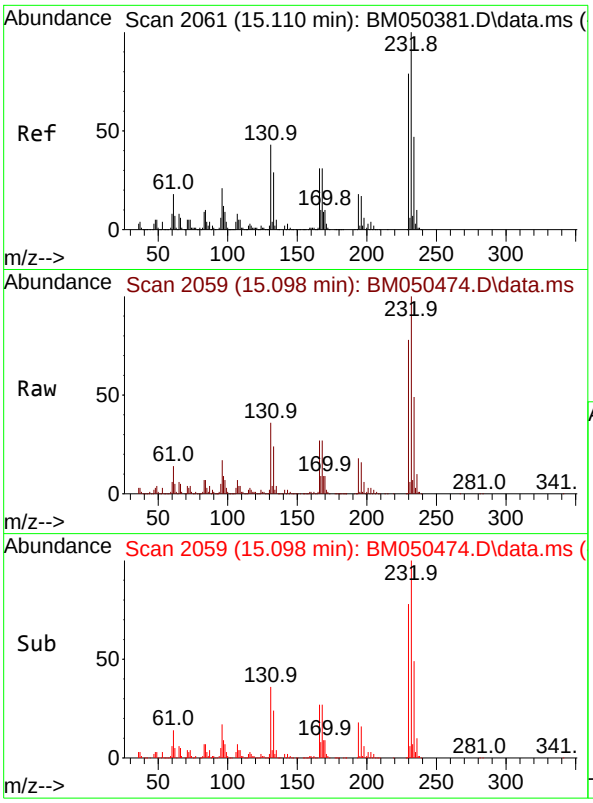



#58
Fluorene
Concen: 39.416 ng
RT: 15.521 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:166 Resp: 3648772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 95.3 | 77.0 | 115.6 |
| 167 | 13.2 | 10.9 | 16.3 |

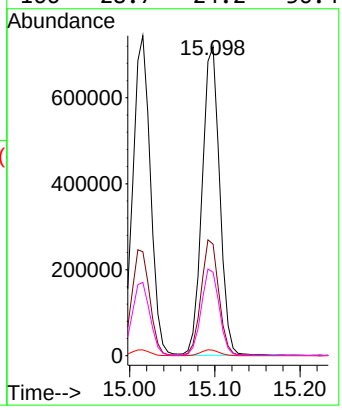





#59
2,3,4,6-Tetrachlorophenol
Concen: 44.383 ng
RT: 15.098 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:232 Resp: 102500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 37.9 | 33.4 | 50.0 |
| 130 | 2.0 | 1.8 | 2.6 |
| 166 | 28.7 | 24.2 | 36.4 |

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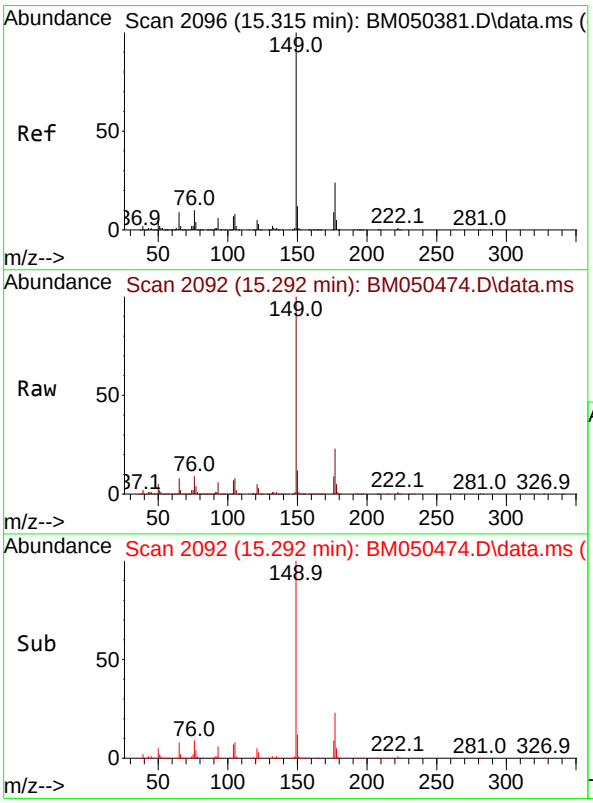
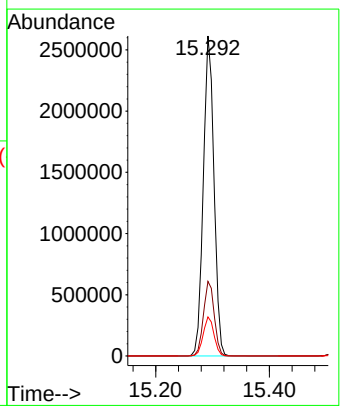
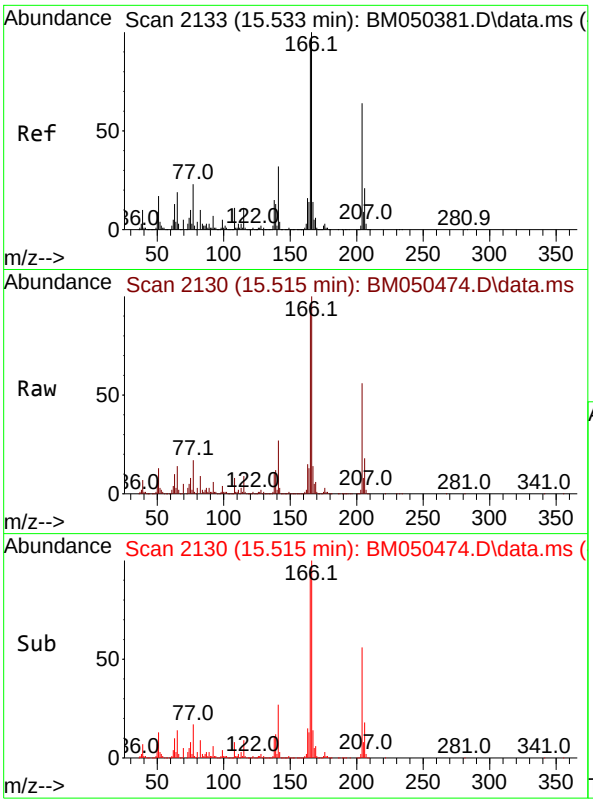



#60
Diethylphthalate
Concen: 40.194 ng
RT: 15.292 min Scan# 2092
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:149 Resp: 3392307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 23.3 | 18.8 | 28.2 |
| 150 | 12.2 | 9.8 | 14.8 |

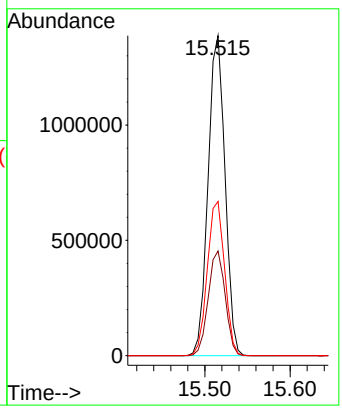





#61
4-Chlorophenyl-phenylether
Concen: 39.573 ng
RT: 15.515 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:204 Resp: 191551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.7 | 26.6 | 39.8 |
| 141 | 48.2 | 39.9 | 59.9 |




**Instrument :**
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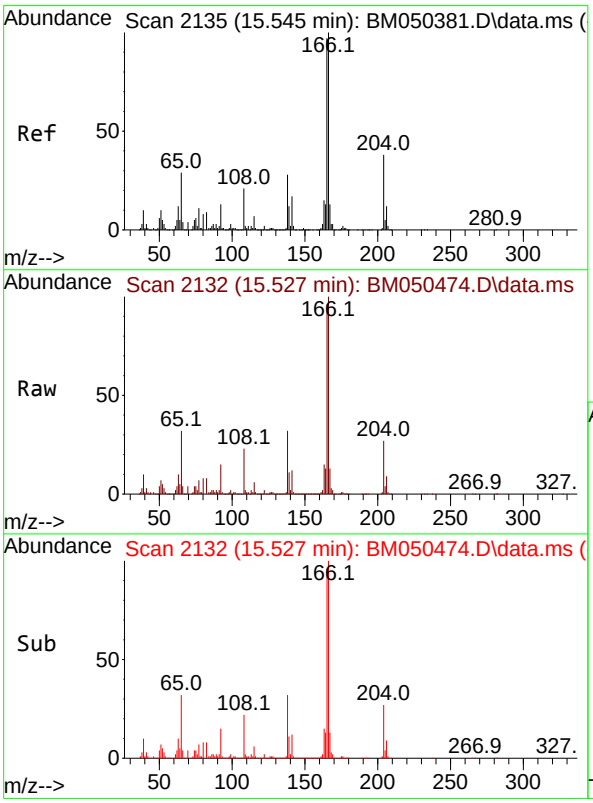
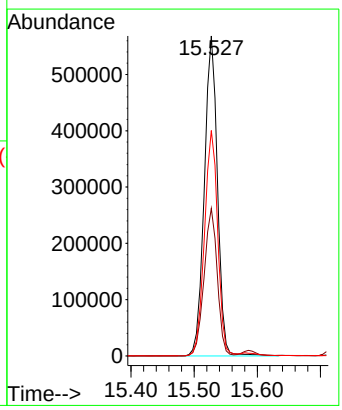
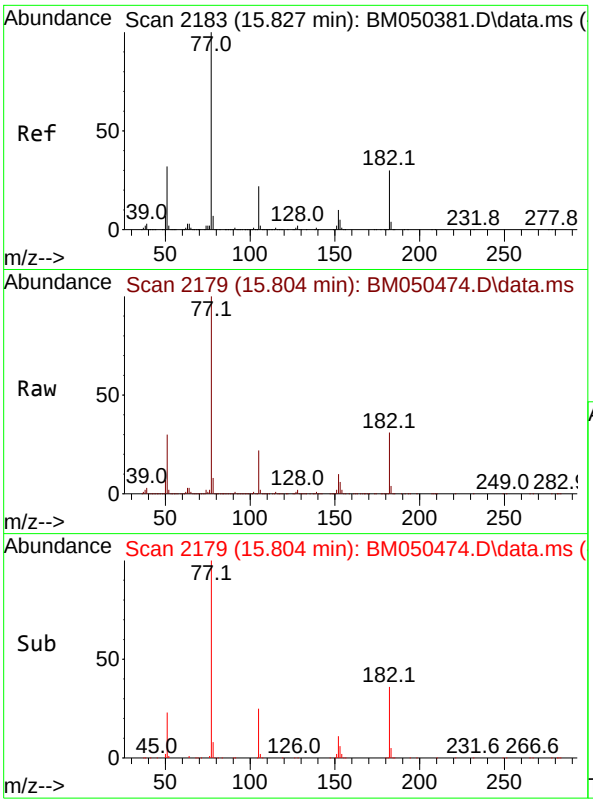



#62
4-Nitroaniline
Concen: 40.096 ng
RT: 15.527 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:138 Resp: 822296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 46.1 | 24.5 | 64.5 |
| 108 | 70.4 | 52.5 | 92.5 |

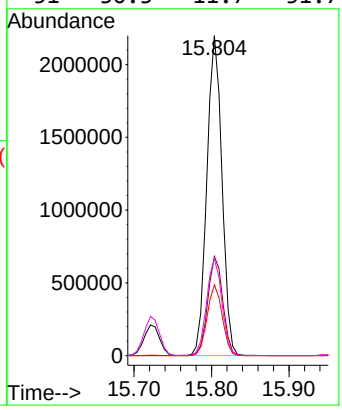





#63
Azobenzene
Concen: 38.317 ng
RT: 15.804 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion: 77 Resp: 296950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 31.0 | 10.0 | 50.0 |
| 105 | 22.1 | 2.0 | 42.0 |
| 51 | 30.3 | 11.7 | 51.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

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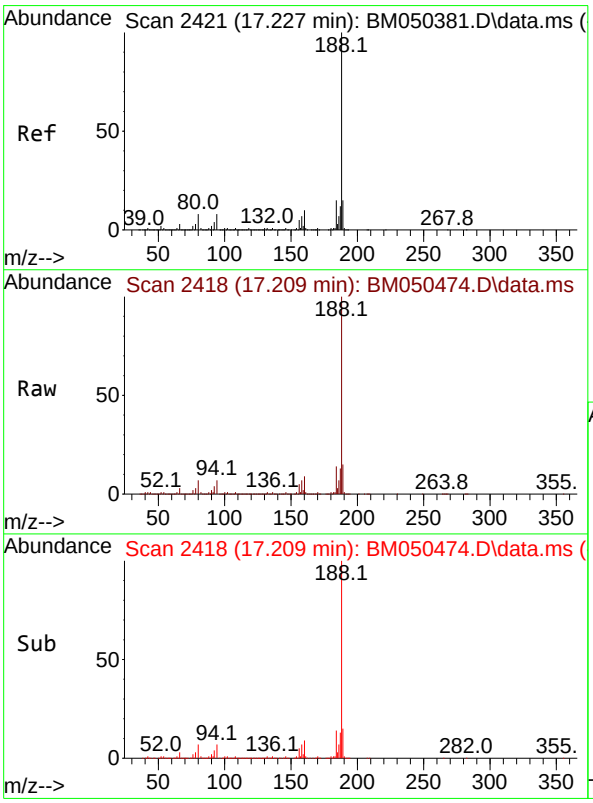
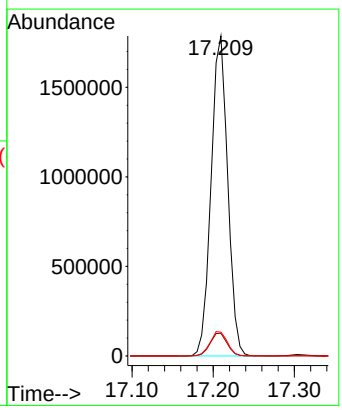
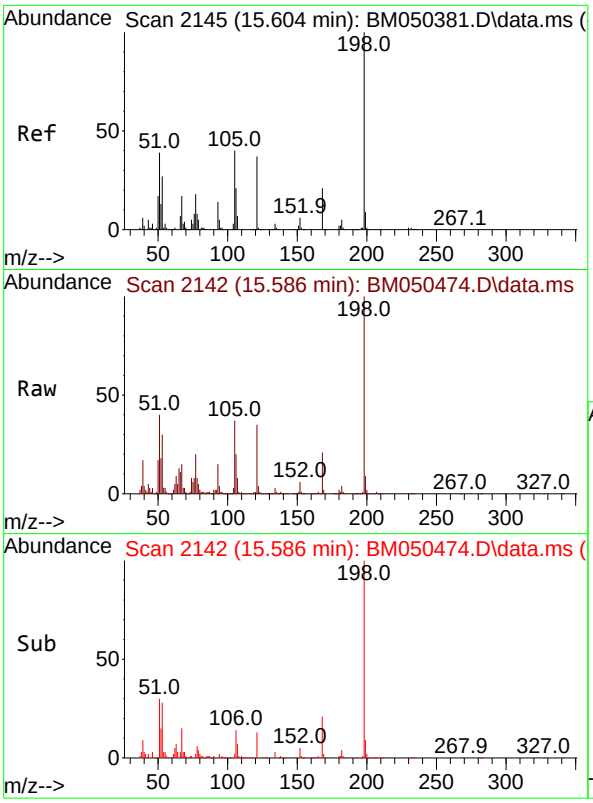



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.209 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:188 Resp: 2540655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.1 | 6.0 | 9.0 |
| 80 | 7.4 | 6.5 | 9.7 |






#65
4,6-Dinitro-2-methylphenol
Concen: 45.431 ng
RT: 15.586 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:198 Resp: 61534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 40.0 | 26.6 | 66.6 |
| 105 | 37.2 | 20.9 | 60.9 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

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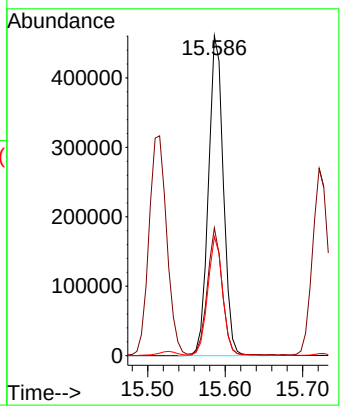
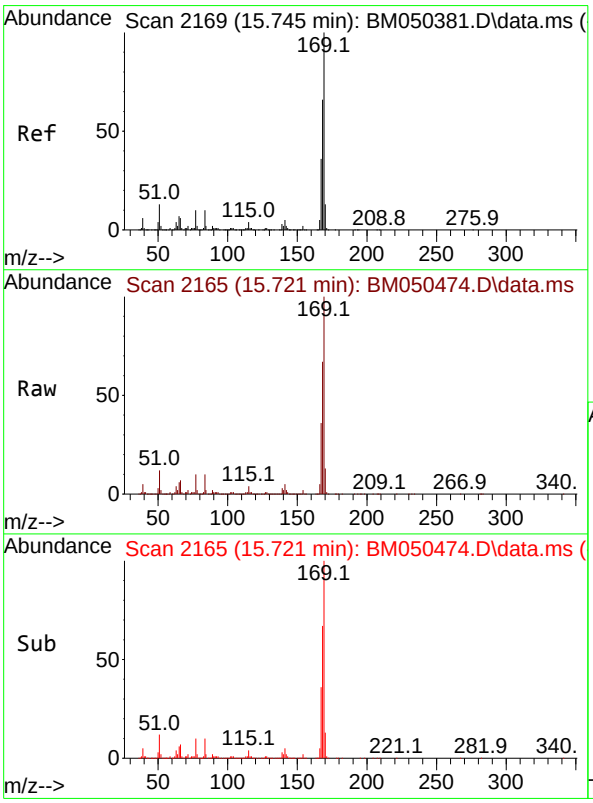
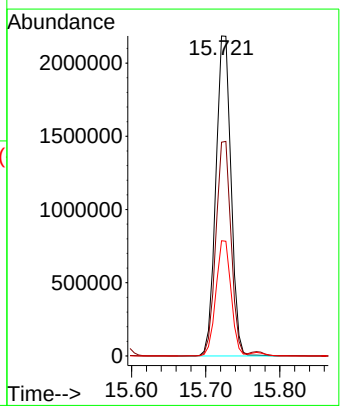


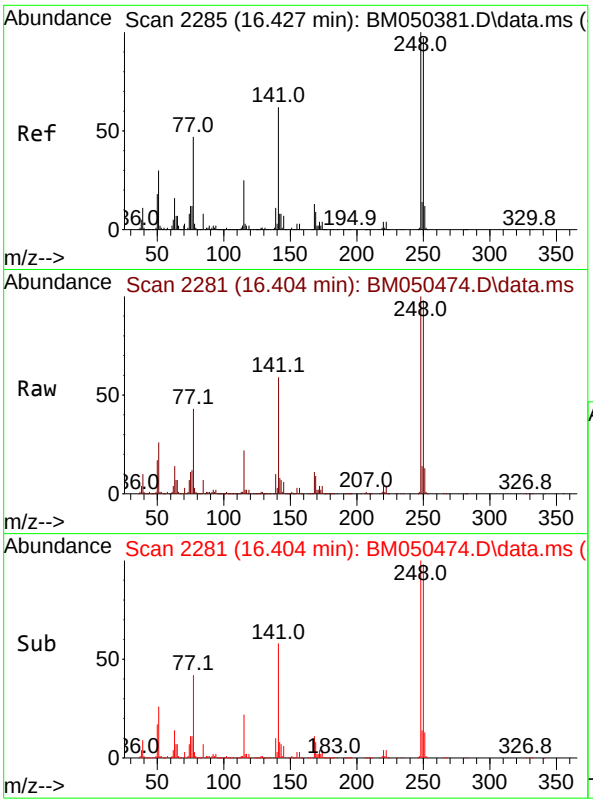




#66
n-Nitrosodiphenylamine
Concen: 38.981 ng
RT: 15.721 min Scan# 2165
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:169 Resp: 3099051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.8 | 53.2 | 79.8 |
| 167 | 36.0 | 28.7 | 43.1 |

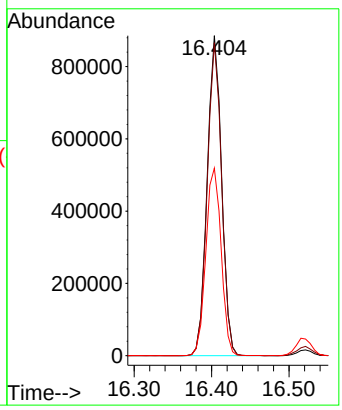





#67
4-Bromophenyl-phenylether
Concen: 41.067 ng
RT: 16.404 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:248 Resp: 114955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.8 | 77.9 | 116.9 |
| 141 | 58.6 | 49.7 | 74.5 |




**Instrument :**
BNA_M
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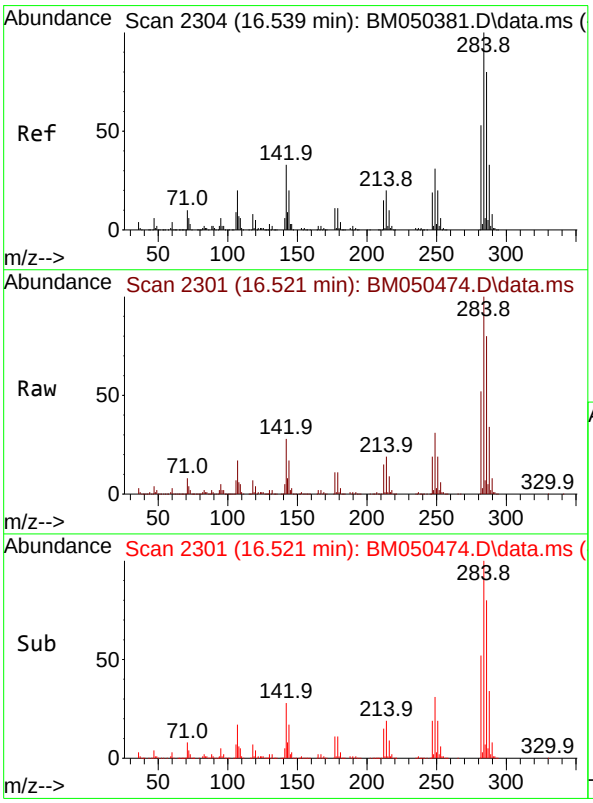
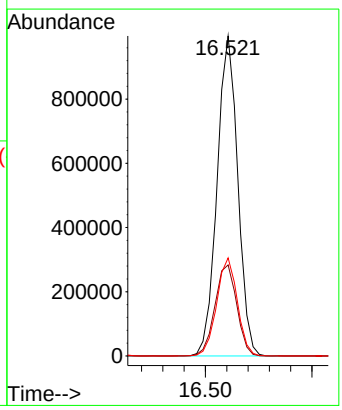
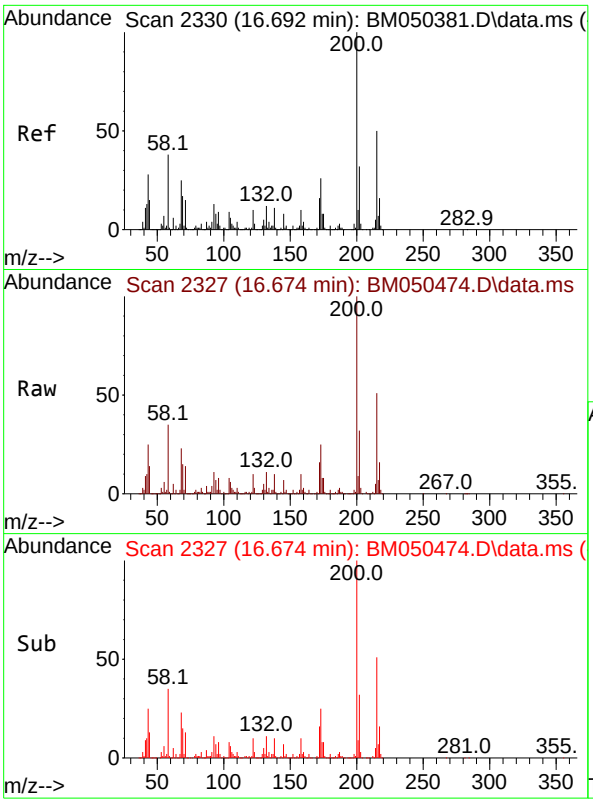



#68
Hexachlorobenzene
Concen: 40.631 ng
RT: 16.521 min Scan# 2301
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:284 Resp: 1343279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 28.4 | 26.8 | 40.2 |
| 249 | 30.6 | 24.5 | 36.7 |

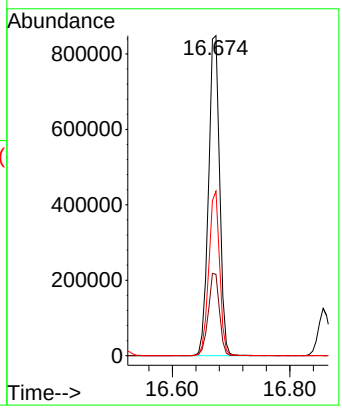





#69
Atrazine
Concen: 42.547 ng
RT: 16.674 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:200 Resp: 111072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.5 | 5.6 | 45.6 |
| 215 | 51.4 | 29.6 | 69.6 |

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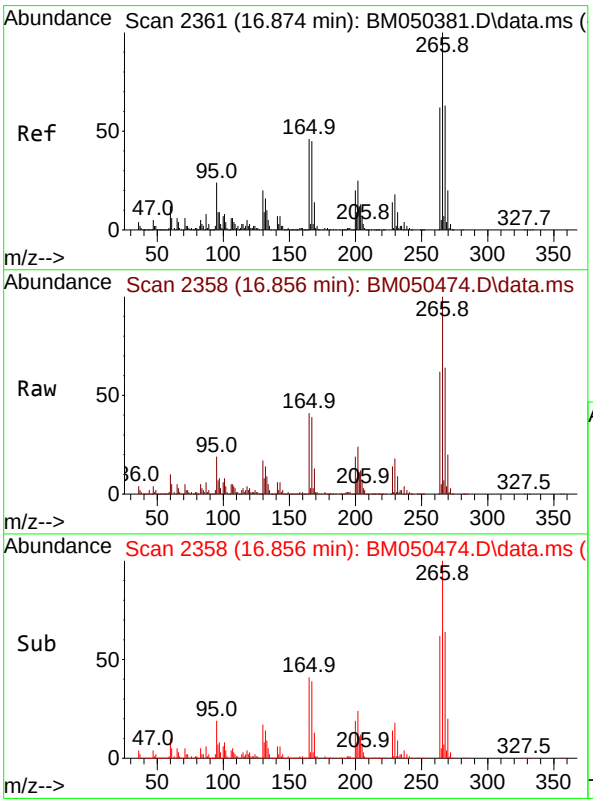
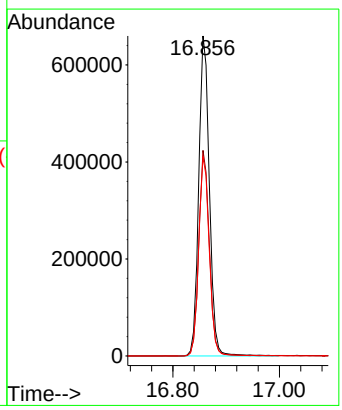
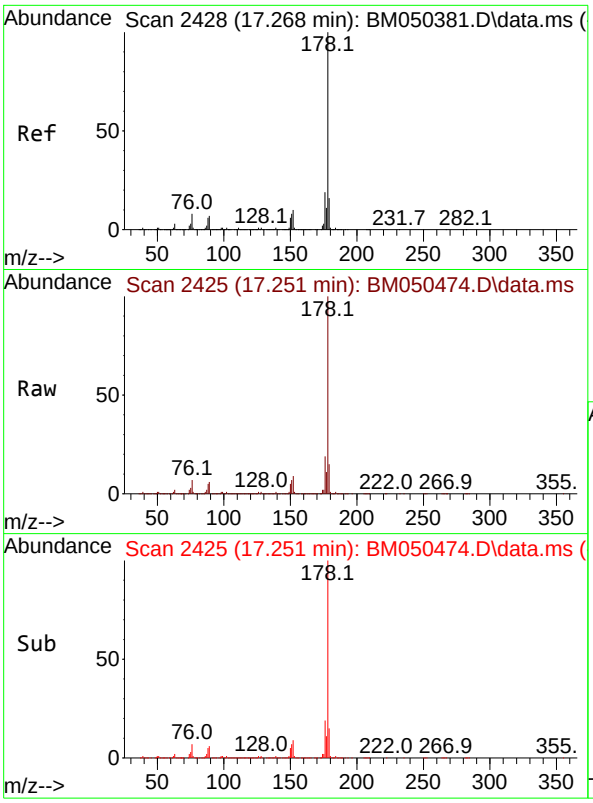



#70
Pentachlorophenol
Concen: 44.450 ng
RT: 16.856 min Scan# 2358
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:266 Resp: 914812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.2 | 50.5 | 75.7 |
| 264 | 62.3 | 49.9 | 74.9 |

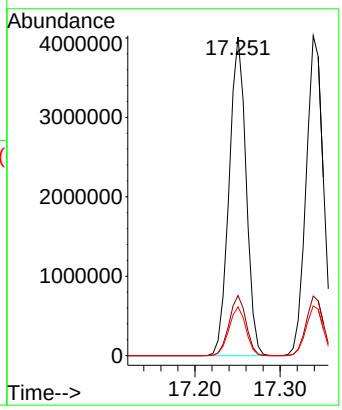





#71
Phenanthrene
Concen: 38.529 ng
RT: 17.251 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:178 Resp: 553909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 15.4 | 23.0 |
| 179 | 15.3 | 12.5 | 18.7 |




**Instrument :**
BNA_M
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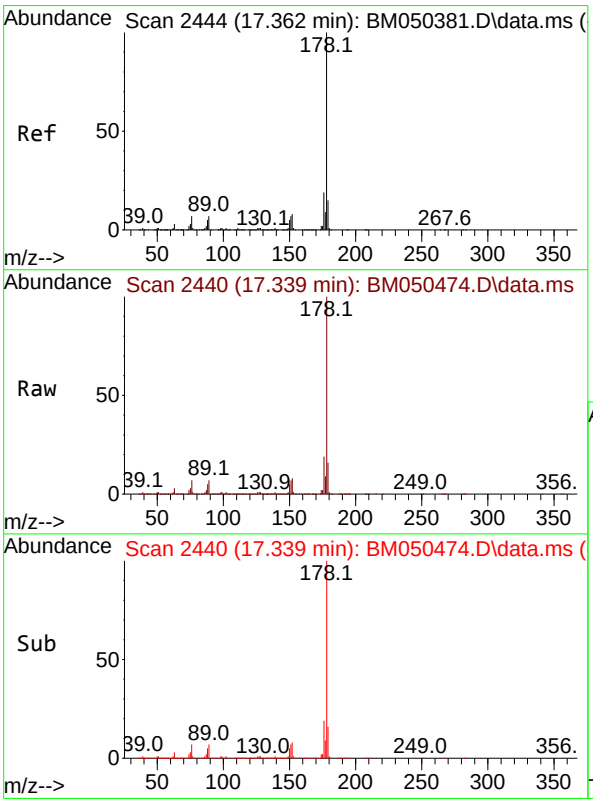
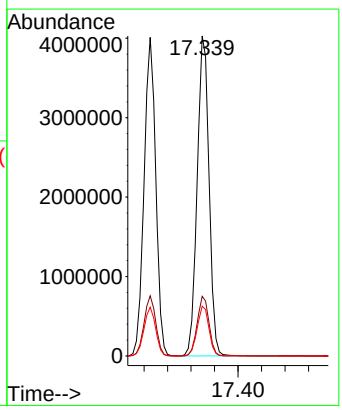
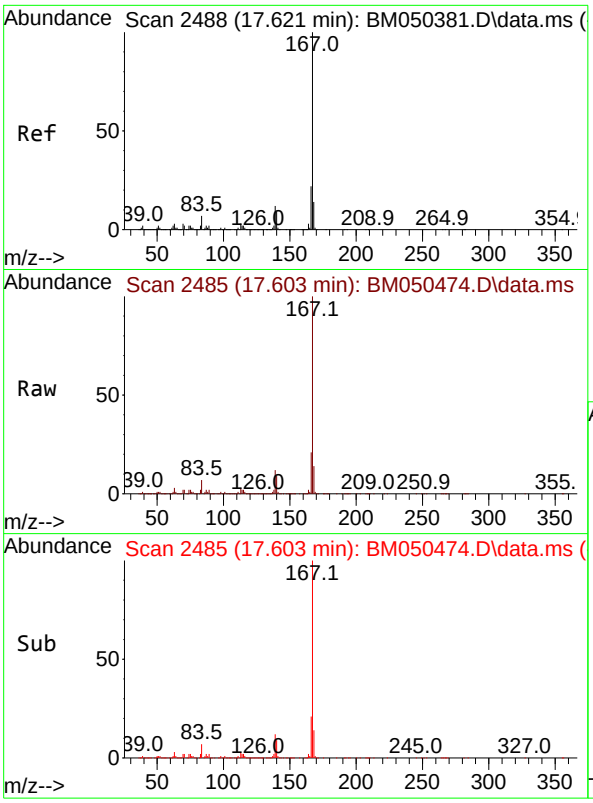



#72
Anthracene
Concen: 39.417 ng
RT: 17.339 min Scan# 2440
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:178 Resp: 5640684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 14.9 | 22.3 |
| 179 | 15.5 | 12.2 | 18.4 |

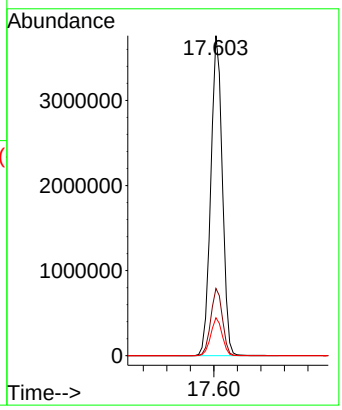





#73
Carbazole
Concen: 39.613 ng
RT: 17.603 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:167 Resp: 512925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.0 | 17.2 | 25.8 |
| 139 | 11.9 | 9.9 | 14.9 |




**Instrument :**
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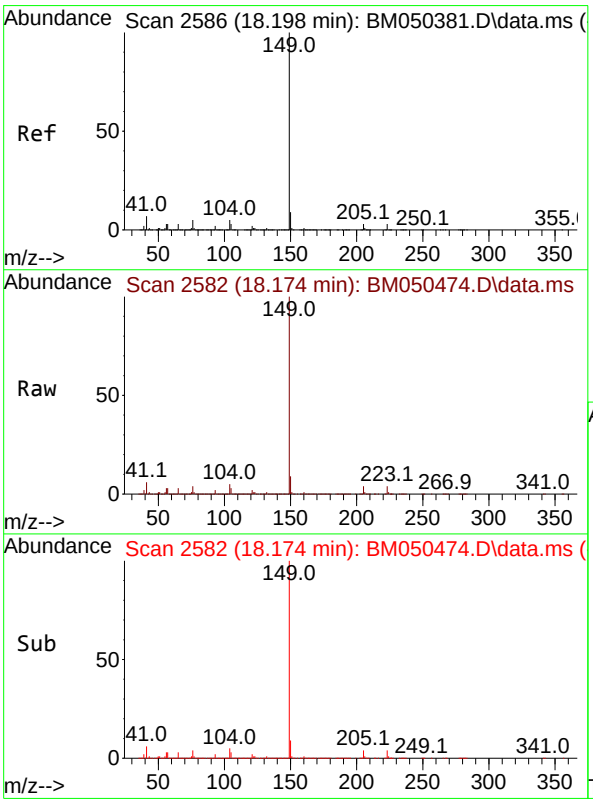
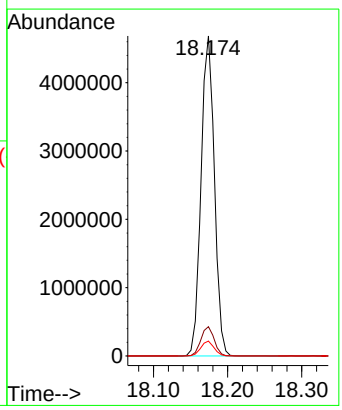
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

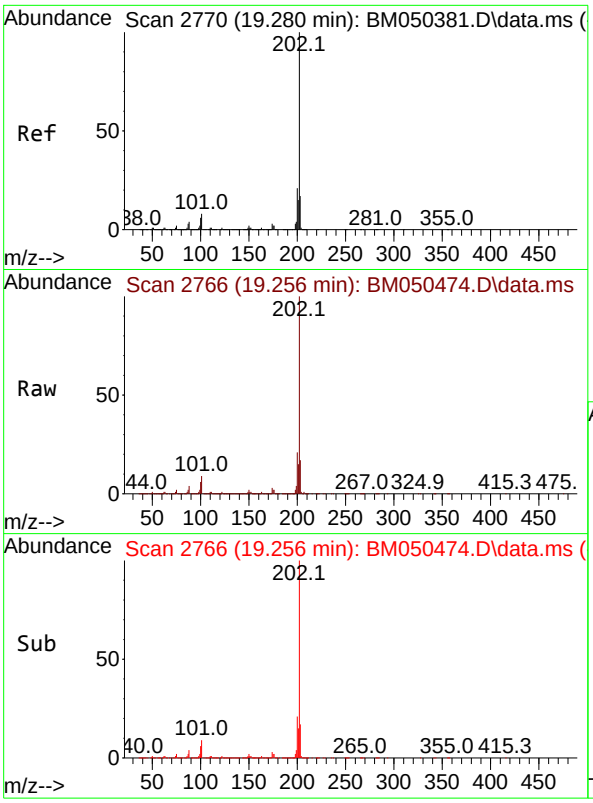



#74
Di-n-butylphthalate
Concen: 41.312 ng
RT: 18.174 min Scan# 2582
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:149 Resp: 5854924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.3 | 10.9 |
| 104 | 4.7 | 3.9 | 5.9 |






#75
Fluoranthene
Concen: 41.191 ng
RT: 19.256 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:202 Resp: 643769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.7 | 0.0 | 28.3 |
| 203 | 17.4 | 0.0 | 37.2 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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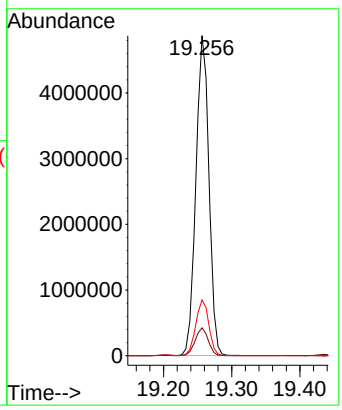
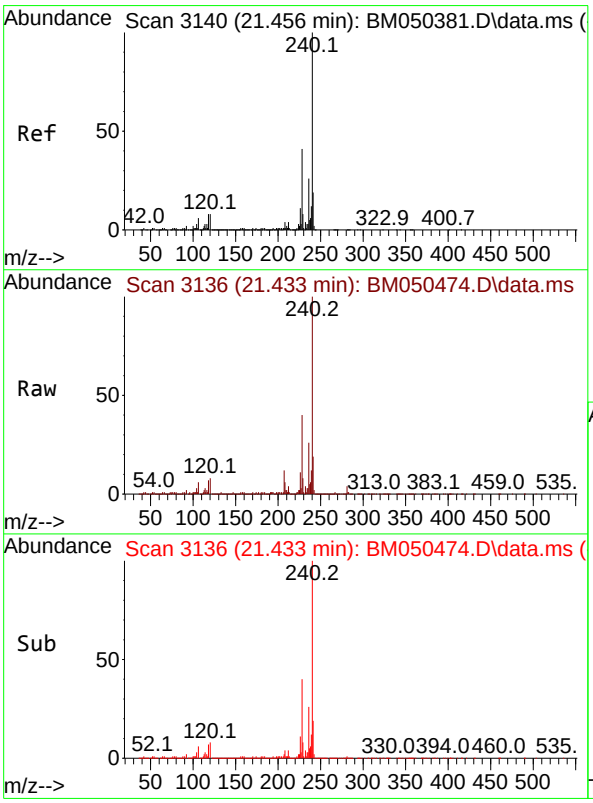
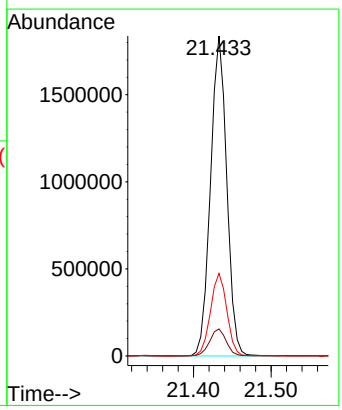


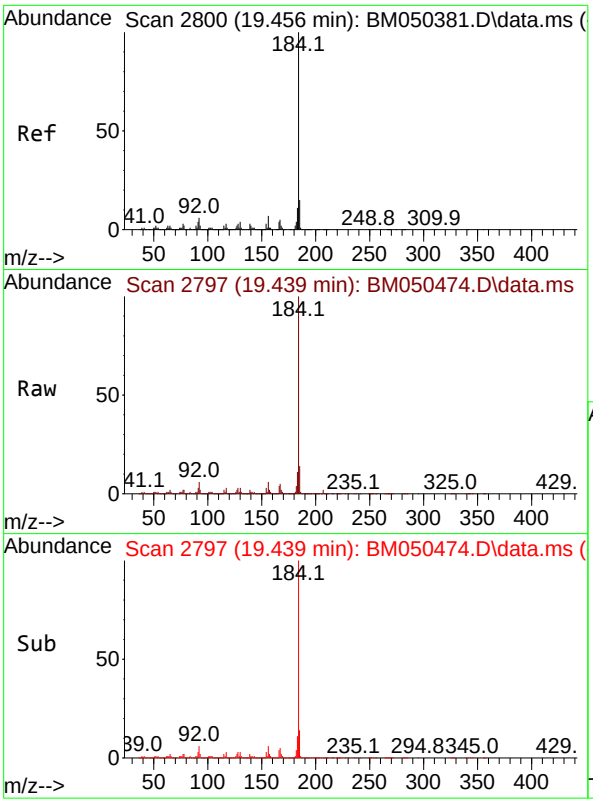




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3136
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:240 Resp: 2672211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.5 | 6.7 | 10.1 |
| 236 | 25.8 | 20.7 | 31.1 |

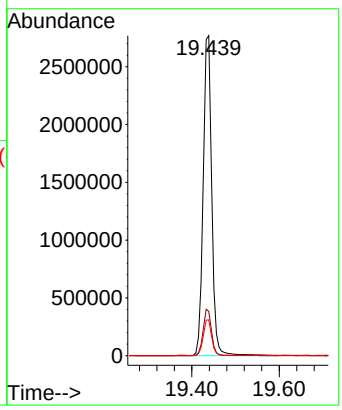





#77
Benzidine
Concen: 55.614 ng
RT: 19.439 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:184 Resp: 379054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 13.9 | 11.7 | 17.5 |
| 183 | 11.2 | 9.0 | 13.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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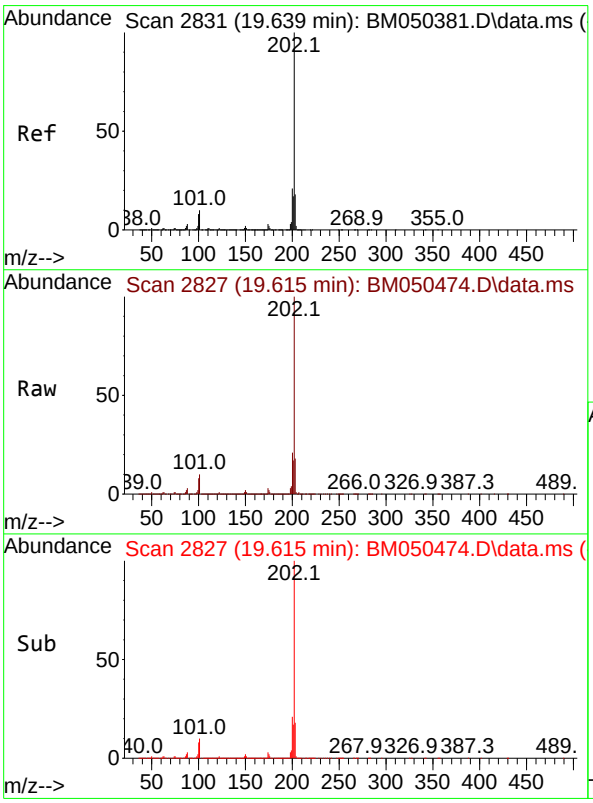
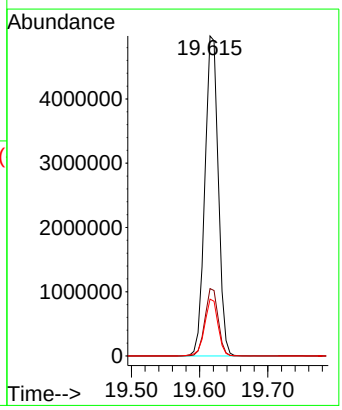
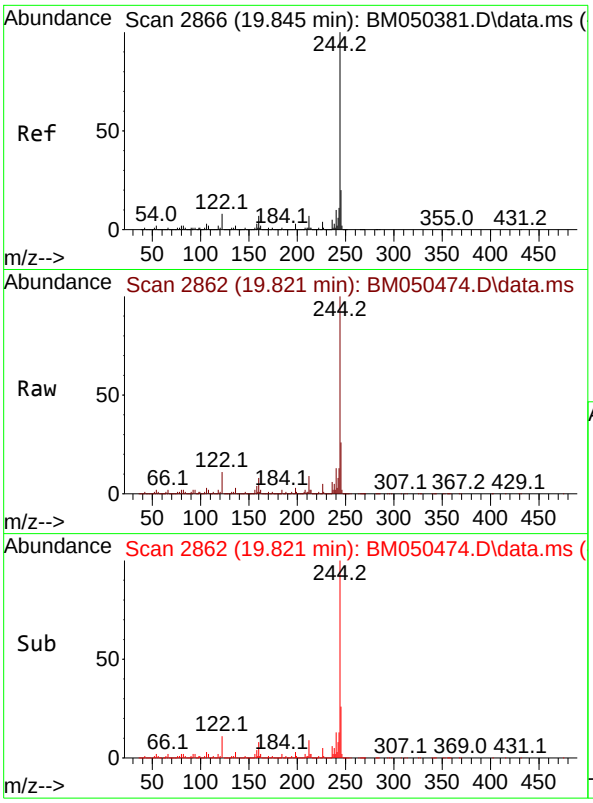



#78
Pyrene
Concen: 39.752 ng
RT: 19.615 min Scan# 2827
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:202 Resp: 6803242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 16.9 | 25.3 |
| 203 | 17.7 | 14.1 | 21.1 |

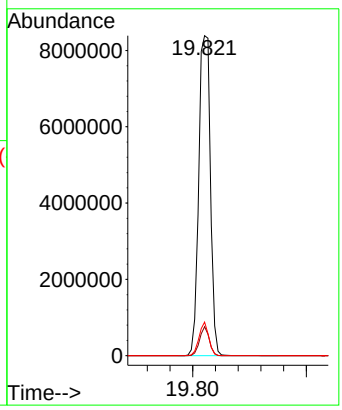





#79
Terphenyl-d14
Concen: 78.795 ng
RT: 19.821 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:244 Resp:1196717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.1 | 5.7 | 8.5# |
| 122 | 10.5 | 6.2 | 9.2# |




**Instrument :**
BNA_M
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SSTDCCC040

**Manual Integrations**
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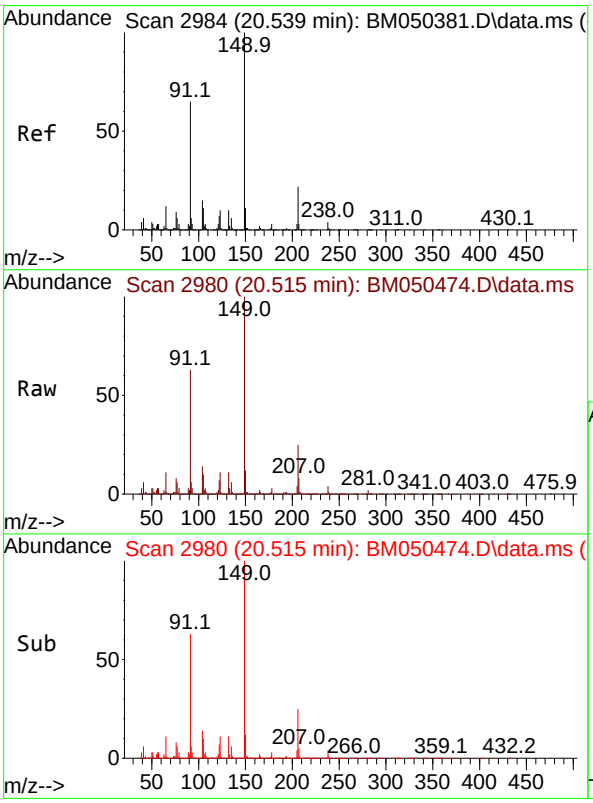
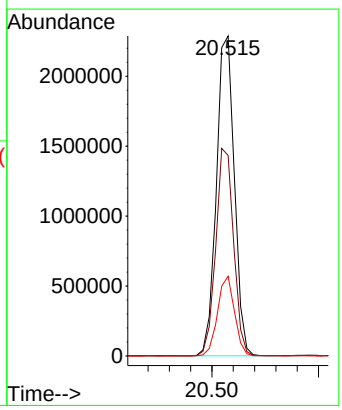
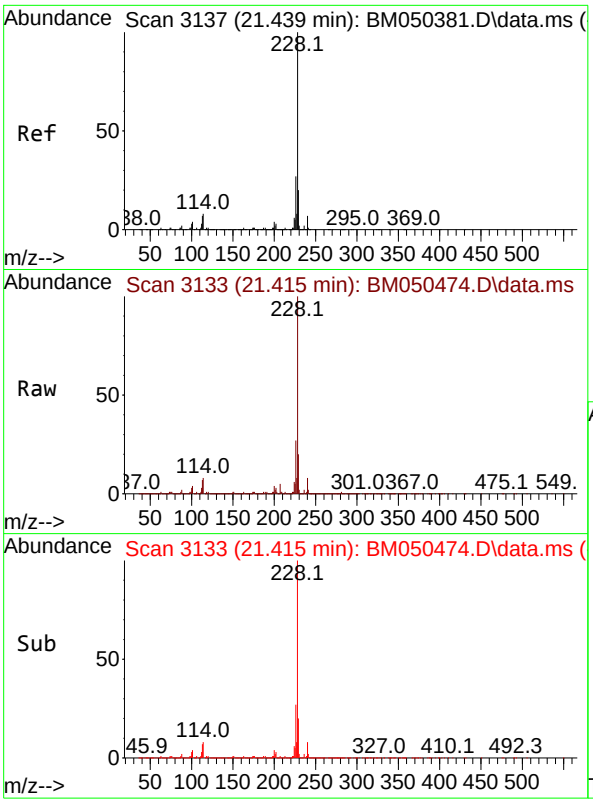



#80
Butylbenzylphthalate
Concen: 47.286 ng
RT: 20.515 min Scan# 2980
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:149 Resp: 2668401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 62.7 | 51.6 | 77.4 |
| 206 | 24.9 | 17.8 | 26.8 |

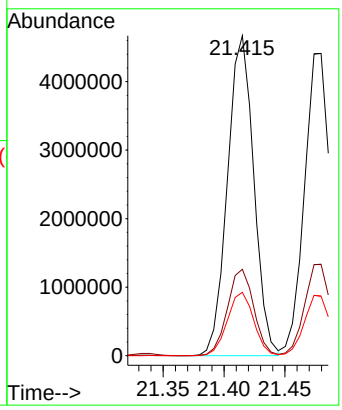





#81
Benzo(a)anthracene
Concen: 40.281 ng
RT: 21.415 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:228 Resp: 701339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.0 | 21.8 | 32.8 |
| 229 | 19.8 | 16.0 | 24.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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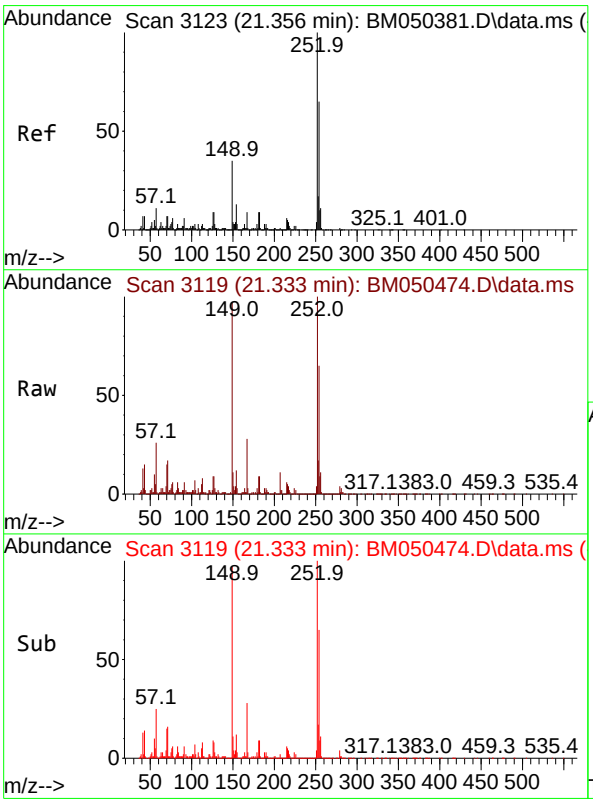
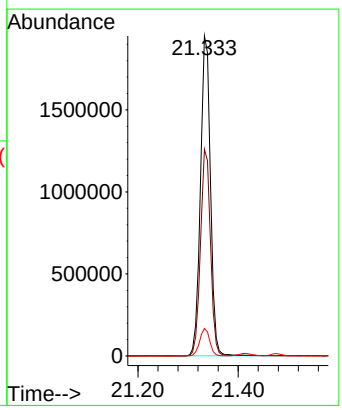
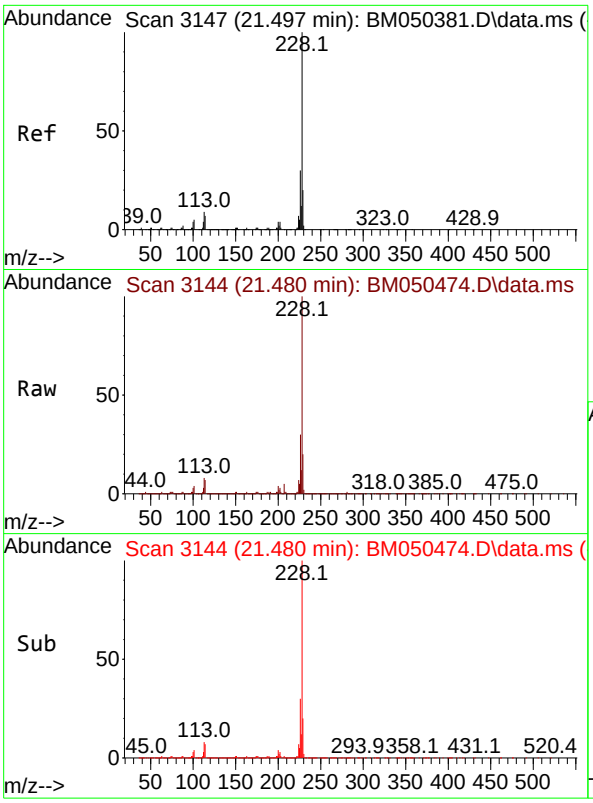



#82
3,3'-Dichlorobenzidine
Concen: 45.953 ng
RT: 21.333 min Scan# 3119
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:252 Resp: 2698245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.6 | 51.7 | 77.5 |
| 126 | 8.6 | 7.3 | 10.9 |

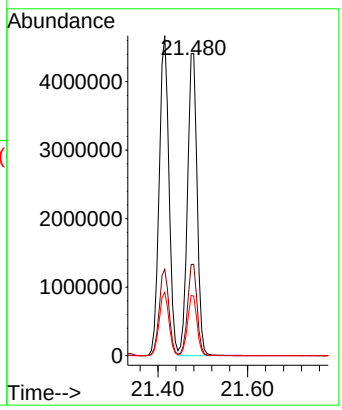





#83
Chrysene
Concen: 39.865 ng
RT: 21.480 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:228 Resp: 654690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 24.2 | 36.4 |
| 229 | 19.7 | 15.8 | 23.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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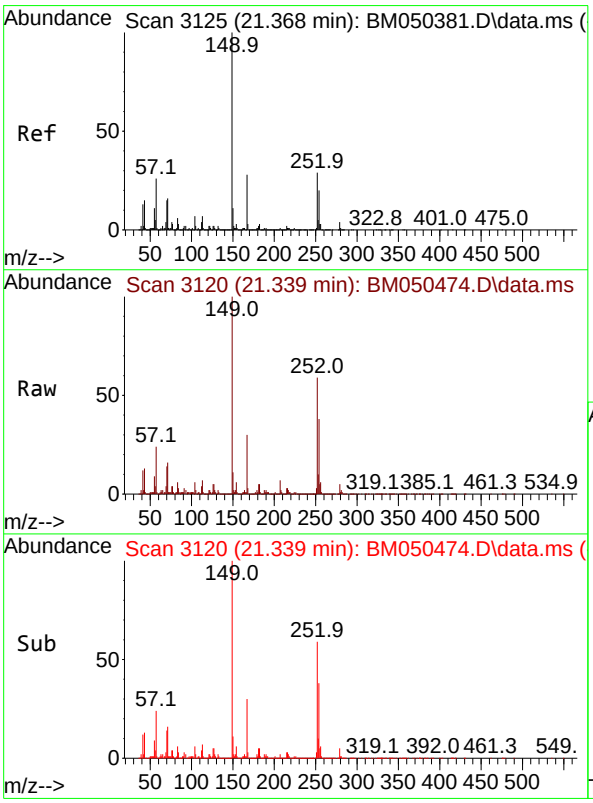
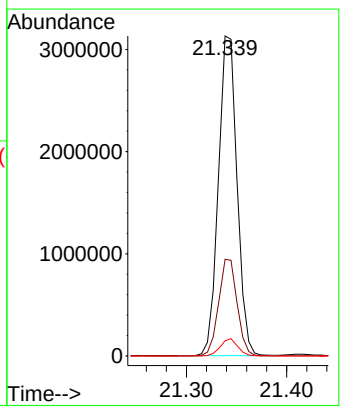
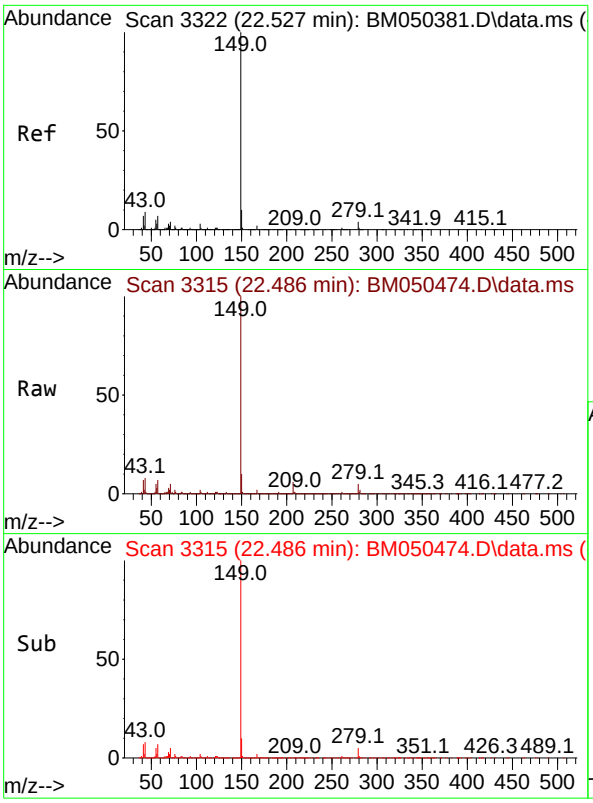



#84
Bis(2-ethylhexyl)phthalate
Concen: 45.060 ng
RT: 21.339 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:149 Resp: 4036567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 30.2 | 22.7 | 34.1 |
| 279 | 4.8 | 3.5 | 5.3 |






#85
Di-n-octyl phthalate
Concen: 48.835 ng
RT: 22.486 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:149 Resp: 685187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 8.5 | 7.7 | 11.5 |

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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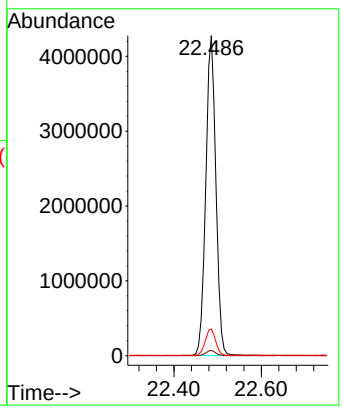
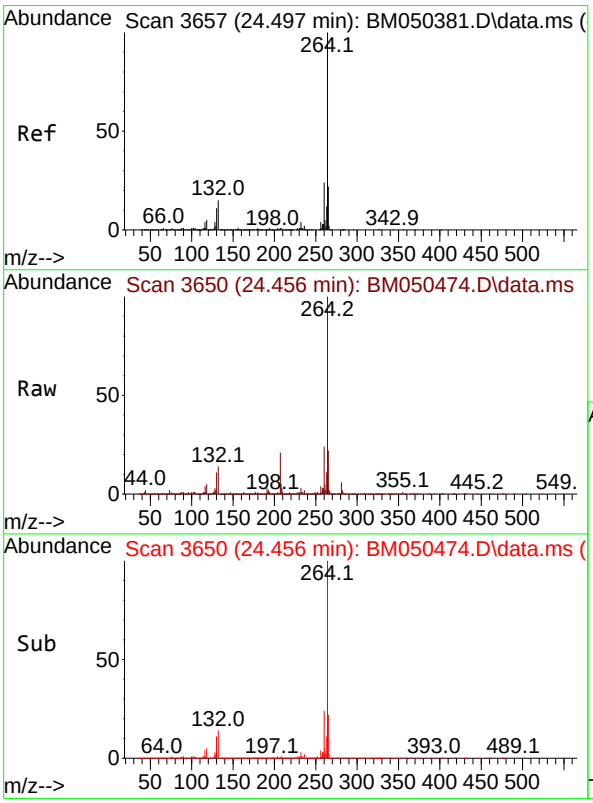
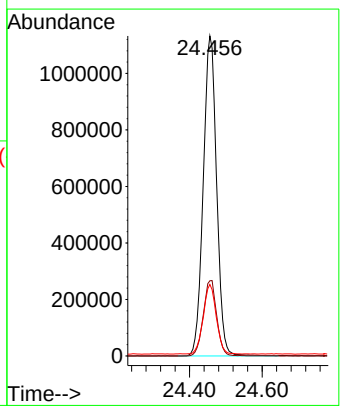


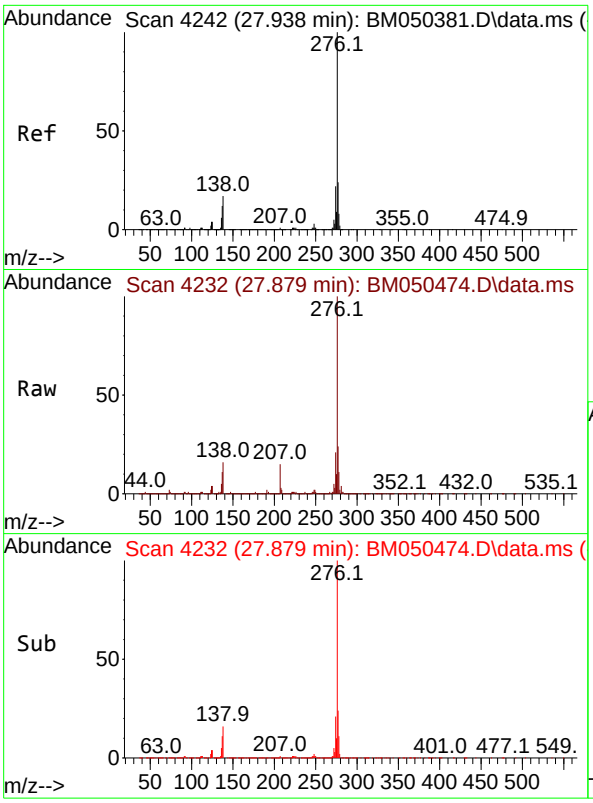




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.456 min Scan# 3650
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:264 Resp: 2895075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 19.2 | 28.8 |
| 265 | 22.3 | 17.8 | 26.6 |

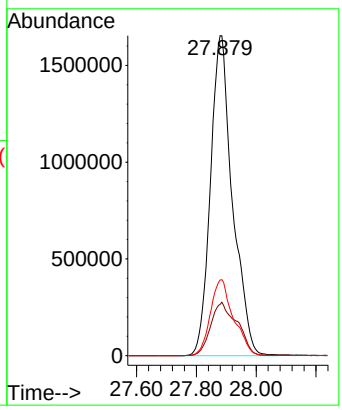





#87
Indeno(1,2,3-cd)pyrene
Concen: 41.147 ng
RT: 27.879 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:276 Resp: 846964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.0 | 17.0 | 25.6 |
| 277 | 24.9 | 20.0 | 30.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**

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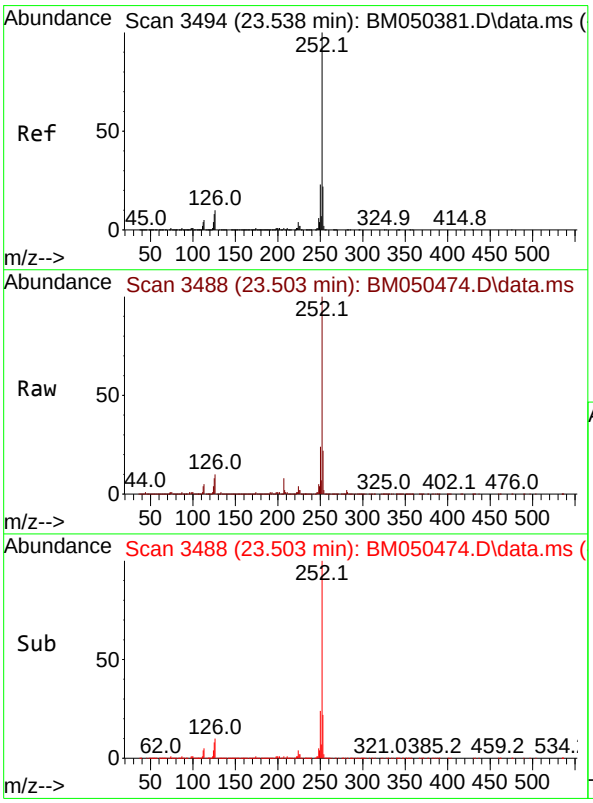
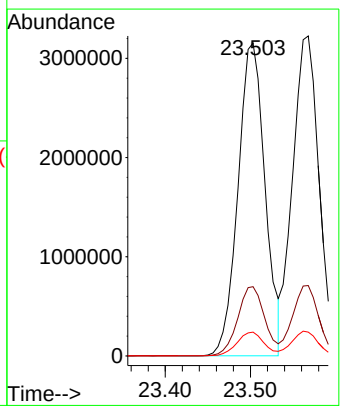
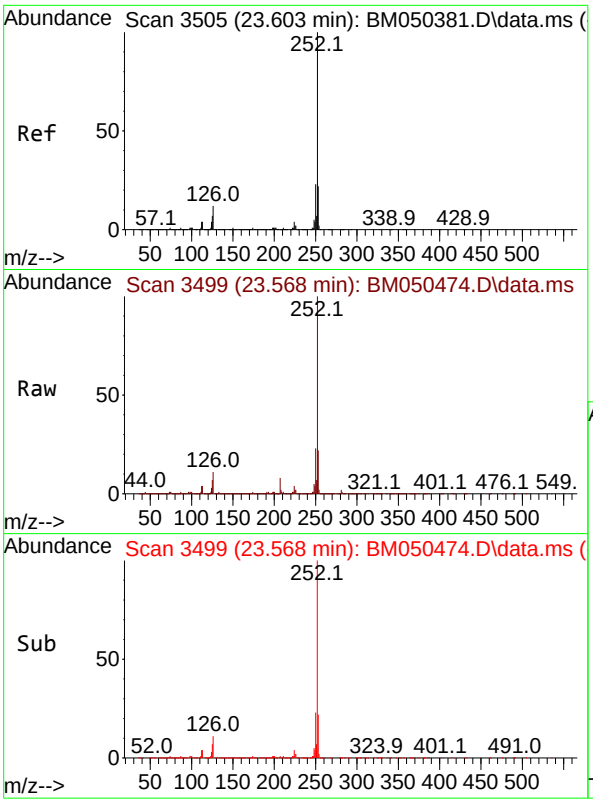



#88
Benzo(b)fluoranthene
Concen: 39.066 ng
RT: 23.503 min Scan# 3488
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:252 Resp: 6956656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.8 | 26.6 |
| 125 | 7.6 | 6.3 | 9.5 |

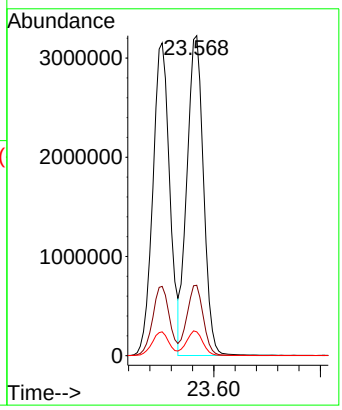





#89
Benzo(k)fluoranthene
Concen: 37.675 ng
RT: 23.568 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:252 Resp: 696147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.6 | 26.4 |
| 125 | 7.5 | 6.2 | 9.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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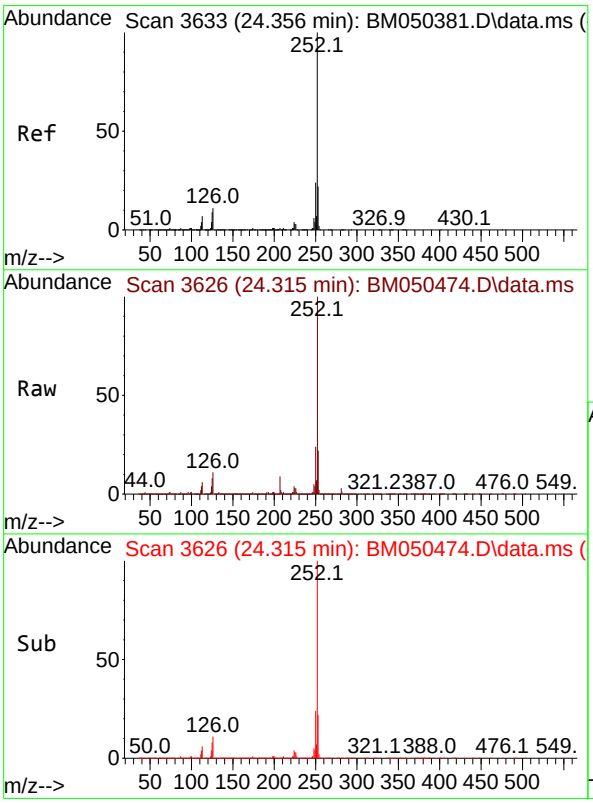
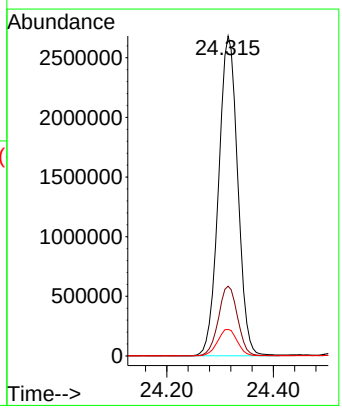
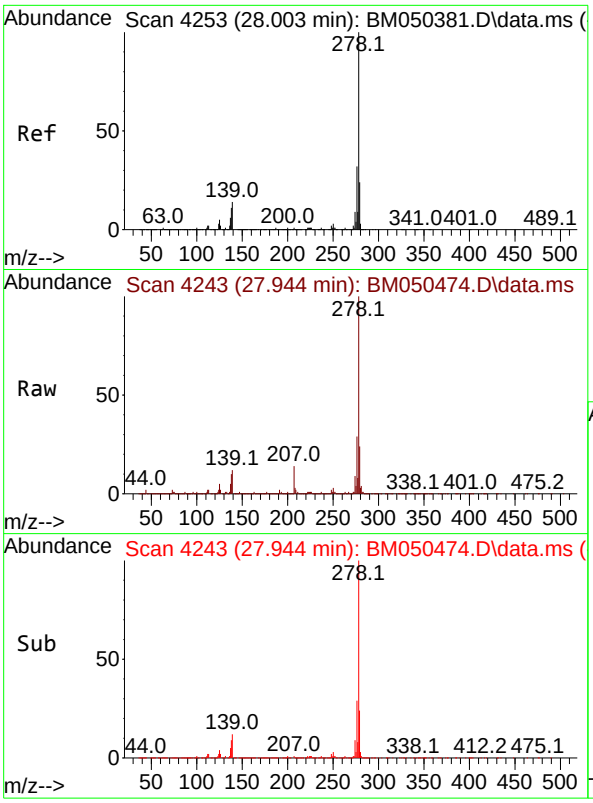



#90
Benzo(a)pyrene
Concen: 40.152 ng
RT: 24.315 min Scan# 3626
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:252 Resp: 6693276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.8 | 26.6 |
| 125 | 8.3 | 7.0 | 10.4 |

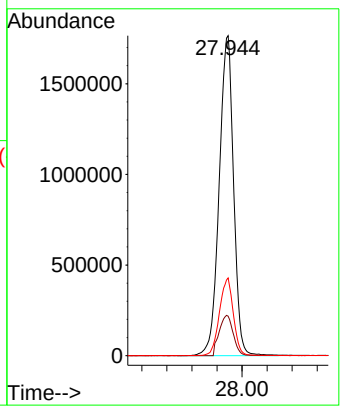





#91
Dibenzo(a,h)anthracene
Concen: 40.618 ng
RT: 27.944 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:278 Resp: 704110

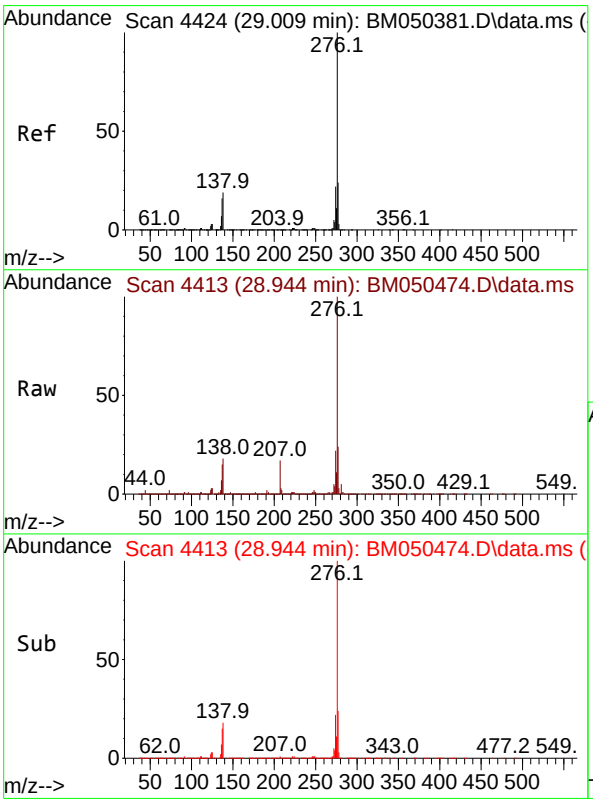
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 12.4 | 10.8 | 16.2 |
| 279 | 24.3 | 19.4 | 29.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

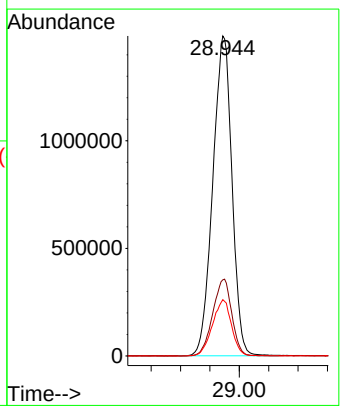
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025




#92
Benzo(g,h,i)perylene
Concen: 41.037 ng
RT: 28.944 min Scan# 4413
Delta R.T. 0.000 min
Lab File: BM050474.D
Acq: 17 Jul 2025 13:42

Tgt Ion:276 Resp: 6723327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 19.1 | 28.7 |
| 138 | 17.6 | 14.9 | 22.3 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050474.D
Acq On : 17 Jul 2025 13:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 17 16:20:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 134 | 0.00 |
| 2 | | 1,4-Dioxane | 0.478 | 0.466 | 2.5 | 136 | 0.00 |
| 3 | | Pyridine | 1.254 | 1.241 | 1.0 | 136 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.585 | 0.537 | 8.2 | 126 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.162 | 1.165 | -0.3 | 136 | 0.00 |
| 6 | | Aniline | 1.880 | 1.894 | -0.7 | 135 | 0.00 |
| 7 | S | Phenol-d6 | 1.465 | 1.479 | -1.0 | 135 | 0.00 |
| 8 | | 2-Chlorophenol | 1.225 | 1.257 | -2.6 | 139 | 0.00 |
| 9 | | Benzaldehyde | 0.871 | 1.118 | -28.4# | 167# | 0.00 |
| 10 | C | Phenol | 1.528 | 1.518 | 0.7 | 135 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.223 | 1.190 | 2.7 | 134 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.490 | 1.469 | 1.4 | 136 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.521 | 1.487 | 2.2 | 136 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.456 | 1.419 | 2.5 | 135 | 0.00 |
| 15 | | Benzyl Alcohol | 1.032 | 1.037 | -0.5 | 136 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.802 | 1.679 | 6.8 | 129 | 0.00 |
| 17 | | 2-Methylphenol | 0.991 | 0.990 | 0.1 | 134 | 0.00 |
| 18 | | Hexachloroethane | 0.535 | 0.522 | 2.4 | 135 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.887 | 0.904 | -1.9 | 133 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.330 | 1.341 | -0.8 | 136 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 132 | 0.00 |
| 22 | | Acetophenone | 0.500 | 0.480 | 4.0 | 129 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.392 | 0.393 | -0.3 | 132 | 0.00 |
| 24 | | Nitrobenzene | 0.350 | 0.343 | 2.0 | 131 | 0.00 |
| 25 | | Isophorone | 0.636 | 0.645 | -1.4 | 133 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.143 | 0.173 | -21.0# | 156# | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.303 | 0.306 | -1.0 | 136 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.422 | 0.412 | 2.4 | 130 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.312 | 0.327 | -4.8 | 139 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.373 | 0.377 | -1.1 | 137 | 0.00 |
| 31 | | Naphthalene | 1.016 | 0.986 | 3.0 | 132 | 0.00 |
| 32 | | Benzoic acid | 0.165 | 0.211 | -27.9# | 170# | 0.00 |
| 33 | | 4-Chloroaniline | 0.429 | 0.434 | -1.2 | 134 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.228 | 0.231 | -1.3 | 138 | 0.00 |
| 35 | | Caprolactam | 0.085 | 0.094 | -10.6 | 144 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.291 | 0.302 | -3.8 | 135 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.641 | 0.646 | -0.8 | 135 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.679 | 0.683 | -0.6 | 134 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 133 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.636 | 0.648 | -1.9 | 138 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.407 | 0.436 | -7.1 | 146 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.243 | 0.284 | -16.9 | 151# | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.391 | 0.429 | -9.7 | 144 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.428 | 0.466 | -8.9 | 144 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.620 | 1.584 | 2.2 | 132 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.484 | 1.446 | 2.6 | 133 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.183 | 1.150 | 2.8 | 133 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050474.D
Acq On : 17 Jul 2025 13:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 17 16:20:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.264 | 0.292 | -10.6 | 139 | 0.00 |
| 49 | | Acenaphthylene | 1.788 | 1.781 | 0.4 | 133 | 0.00 |
| 50 | | Dimethylphthalate | 1.377 | 1.386 | -0.7 | 136 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.264 | 0.293 | -11.0 | 142 | 0.00 |
| 52 | C | Acenaphthene | 1.137 | 1.073 | 5.6 | 128 | 0.00 |
| 53 | | 3-Nitroaniline | 0.281 | 0.312 | -11.0 | 141 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.121 | 0.165 | -36.4# | 187# | 0.00 |
| 55 | | Dibenzofuran | 1.751 | 1.709 | 2.4 | 133 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.242 | 0.266 | -9.9 | 144 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.350 | 0.407 | -16.3 | 146 | 0.00 |
| 58 | | Fluorene | 1.443 | 1.422 | 1.5 | 133 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.360 | 0.399 | -10.8 | 145 | 0.00 |
| 60 | | Diethylphthalate | 1.315 | 1.322 | -0.5 | 134 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.754 | 0.746 | 1.1 | 133 | 0.00 |
| 62 | | 4-Nitroaniline | 0.288 | 0.320 | -11.1 | 137 | 0.00 |
| 63 | | Azobenzene | 1.208 | 1.157 | 4.2 | 127 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 139 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.095 | 0.121 | -27.4# | 179# | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.626 | 0.610 | 2.6 | 136 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.220 | 0.226 | -2.7 | 144 | 0.00 |
| 68 | | Hexachlorobenzene | 0.260 | 0.264 | -1.5 | 143 | 0.00 |
| 69 | | Atrazine | 0.206 | 0.219 | -6.3 | 143 | 0.00 |
| 70 | C | Pentachlorophenol | 0.162 | 0.180 | -11.1 | 155# | 0.00 |
| 71 | | Phenanthrene | 1.132 | 1.090 | 3.7 | 137 | 0.00 |
| 72 | | Anthracene | 1.127 | 1.110 | 1.5 | 138 | 0.00 |
| 73 | | Carbazole | 1.019 | 1.009 | 1.0 | 138 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.116 | 1.152 | -3.2 | 140 | 0.00 |
| 75 | C | Fluoranthene | 1.230 | 1.267 | -3.0 | 142 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 140 | 0.00 |
| 77 | | Benzidine | 0.510 | 0.709 | -39.0# | 180# | 0.00 |
| 78 | | Pyrene | 1.281 | 1.273 | 0.6 | 142 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.137 | 1.120 | 1.5 | 125 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.422 | 0.499 | -18.2 | 159# | 0.00 |
| 81 | | Benzo(a)anthracene | 1.303 | 1.312 | -0.7 | 144 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.439 | 0.505 | -15.0 | 165# | 0.00 |
| 83 | | Chrysene | 1.229 | 1.225 | 0.3 | 142 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.670 | 0.755 | -12.7 | 150# | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.050 | 1.282 | -22.1# | 170# | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 157# | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.422 | 1.463 | -2.9 | 162# | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.230 | 1.201 | 2.4 | 154# | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.276 | 1.202 | 5.8 | 150 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.152 | 1.156 | -0.3 | 157# | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.198 | 1.216 | -1.5 | 160# | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.132 | 1.161 | -2.6 | 163# | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050474.D
Acq On : 17 Jul 2025 13:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 17 16:20:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 2

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050474.D
Acq On : 17 Jul 2025 13:42
Operator : RC/JU
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**Instrument :**
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Quant Time: Jul 17 16:20:52 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 134 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 39.055 | 2.4 | 136 | 0.00 |
| 3 | | Pyridine | 40.000 | 39.590 | 1.0 | 136 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 36.701 | 8.2 | 126 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 80.224 | -0.3 | 136 | 0.00 |
| 6 | | Aniline | 40.000 | 40.306 | -0.8 | 135 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 80.758 | -0.9 | 135 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 41.053 | -2.6 | 139 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 51.344 | -28.4# | 167 | 0.00 |
| 10 | C | Phenol | 40.000 | 39.746 | 0.6 | 135 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.892 | 2.8 | 134 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.439 | 1.4 | 136 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.099 | 2.3 | 136 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.971 | 2.6 | 135 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 40.187 | -0.5 | 136 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.266 | 6.8 | 129 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.975 | 0.1 | 134 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.058 | 2.4 | 135 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 40.738 | -1.8 | 133 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.317 | -0.8 | 136 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 132 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.371 | 4.1 | 129 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 80.189 | -0.2 | 132 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 39.263 | 1.8 | 131 | 0.00 |
| 25 | | Isophorone | 40.000 | 40.552 | -1.4 | 133 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 48.676 | -21.7# | 156 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.409 | -1.0 | 136 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.081 | 2.3 | 130 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.992 | -5.0 | 139 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.402 | -1.0 | 137 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.814 | 3.0 | 132 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 45.728 | -14.3 | 170 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 40.450 | -1.1 | 134 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.685 | -1.7 | 138 | 0.00 |
| 35 | | Caprolactam | 40.000 | 44.295 | -10.7 | 144 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.560 | -3.9 | 135 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.297 | -0.7 | 135 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 40.236 | -0.6 | 134 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 133 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.759 | -1.9 | 138 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 42.878 | -7.2 | 146 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 93.381 | -16.7 | 151 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 43.796 | -9.5 | 144 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 43.580 | -8.9 | 144 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 78.224 | 2.2 | 132 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 38.969 | 2.6 | 133 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 38.897 | 2.8 | 133 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050474.D
Acq On : 17 Jul 2025 13:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 17 16:20:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 44.208 | -10.5 | 139 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.833 | 0.4 | 133 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 40.270 | -0.7 | 136 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 44.367 | -10.9 | 142 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 37.753 | 5.6 | 128 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 44.377 | -10.9 | 141 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 47.990 | -20.0 | 187 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 39.019 | 2.5 | 133 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 44.005 | -10.0 | 144 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 41.533 | -3.8 | 146 | 0.00 |
| 58 | | Fluorene | 40.000 | 39.416 | 1.5 | 133 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 44.383 | -11.0 | 145 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 40.194 | -0.5 | 134 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 39.573 | 1.1 | 133 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 40.096 | -0.2 | 137 | 0.00 |
| 63 | | Azobenzene | 40.000 | 38.317 | 4.2 | 127 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 139 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 45.431 | -13.6 | 179 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 38.981 | 2.5 | 136 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 41.067 | -2.7 | 144 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 40.631 | -1.6 | 143 | 0.00 |
| 69 | | Atrazine | 40.000 | 42.547 | -6.4 | 143 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 44.450 | -11.1 | 155 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 38.529 | 3.7 | 137 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.417 | 1.5 | 138 | 0.00 |
| 73 | | Carbazole | 40.000 | 39.613 | 1.0 | 138 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 41.312 | -3.3 | 140 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 41.191 | -3.0 | 142 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 140 | 0.00 |
| 77 | | Benzidine | 40.000 | 55.614 | -39.0# | 180 | 0.00 |
| 78 | | Pyrene | 40.000 | 39.752 | 0.6 | 142 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 78.795 | 1.5 | 125 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 47.286 | -18.2 | 159 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 40.281 | -0.7 | 144 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 45.953 | -14.9 | 165 | 0.00 |
| 83 | | Chrysene | 40.000 | 39.865 | 0.3 | 142 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 45.060 | -12.7 | 150 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 48.835 | -22.1# | 170 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 157 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.147 | -2.9 | 162 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 39.066 | 2.3 | 154 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 37.675 | 5.8 | 150 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 40.152 | -0.4 | 157 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 40.618 | -1.5 | 160 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 41.037 | -2.6 | 163 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050474.D
Acq On : 17 Jul 2025 13:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Jul 17 16:20:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 2

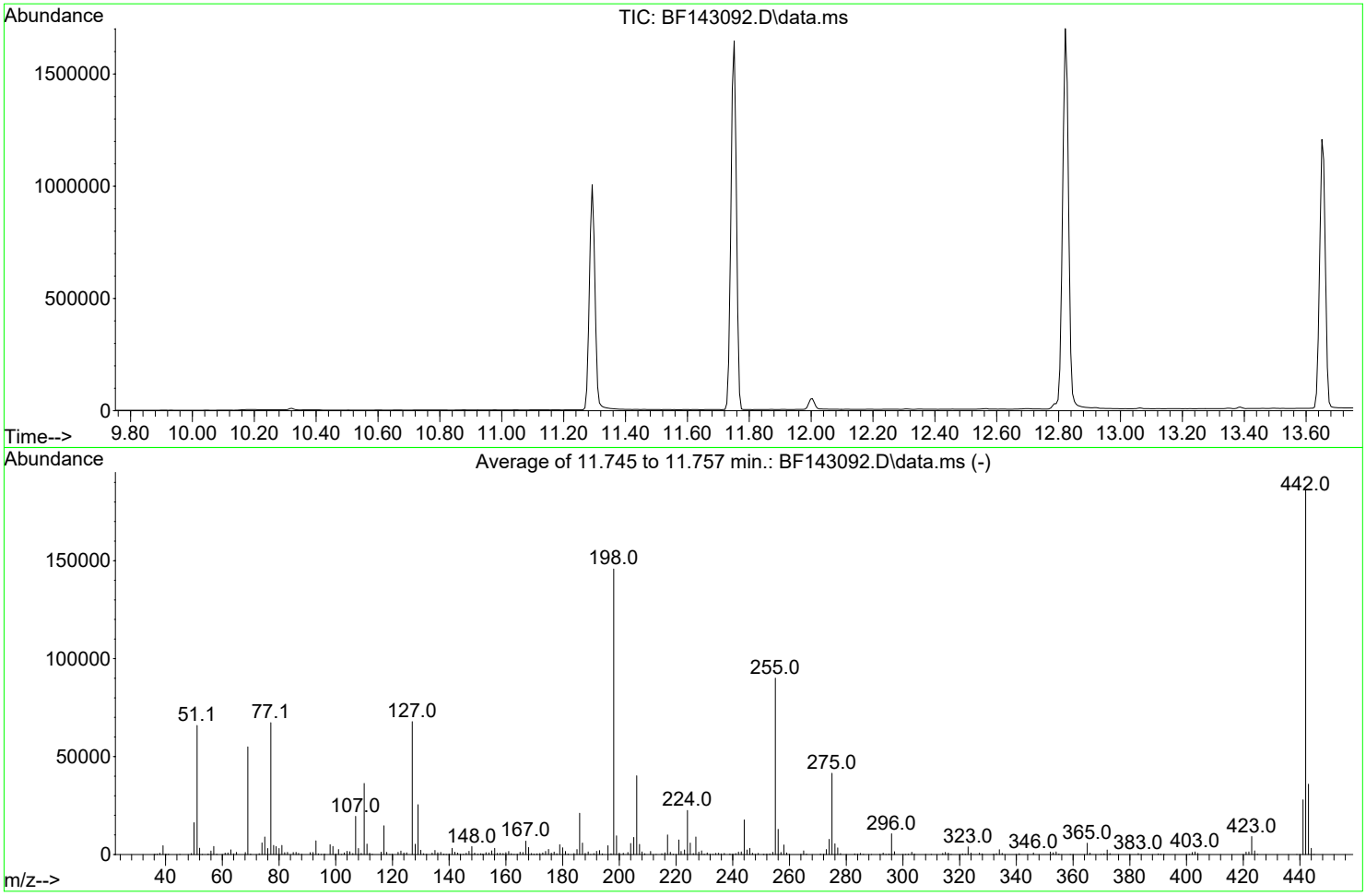
# QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143092.D
Acq On : 15 Jul 2025 12:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 15 17:53:25 2025



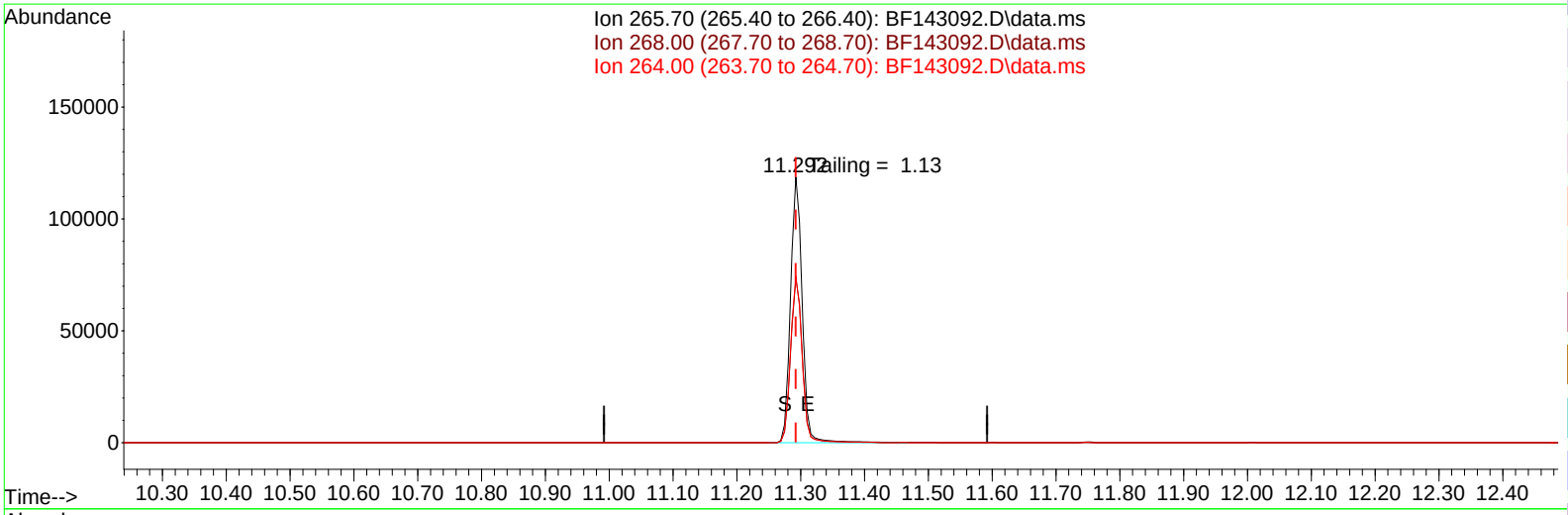

AutoFind: Scans 1624, 1625, 1626; Background Corrected with Scan 1617

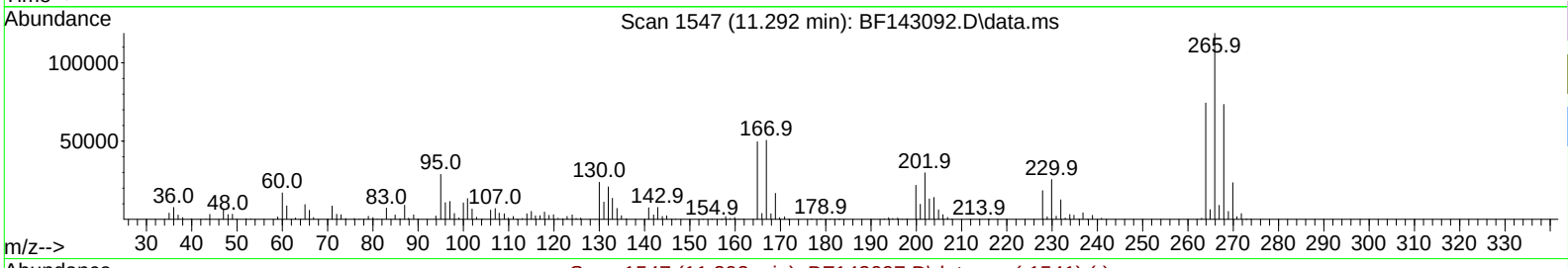
| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 68 | 69 | 0.00 | 2 | 2.0 | 1083 | PASS |
| 69 | 69 | 100 | 100 | 100.0 | 55011 | PASS |
| 70 | 69 | 0.00 | 2 | 0.5 | 283 | PASS |
| 197 | 198 | 0.00 | 2 | 0.3 | 479 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 145821 | PASS |
| 199 | 198 | 5 | 9 | 6.5 | 9539 | PASS |
| 365 | 198 | 1 | 100 | 4.0 | 5805 | PASS |
| 441 | 443 | 0.01 | 150 | 77.7 | 27936 | PASS |
| 442 | 442 | 100 | 100 | 100.0 | 185813 | PASS |
| 443 | 442 | 15 | 24 | 19.4 | 35957 | PASS |

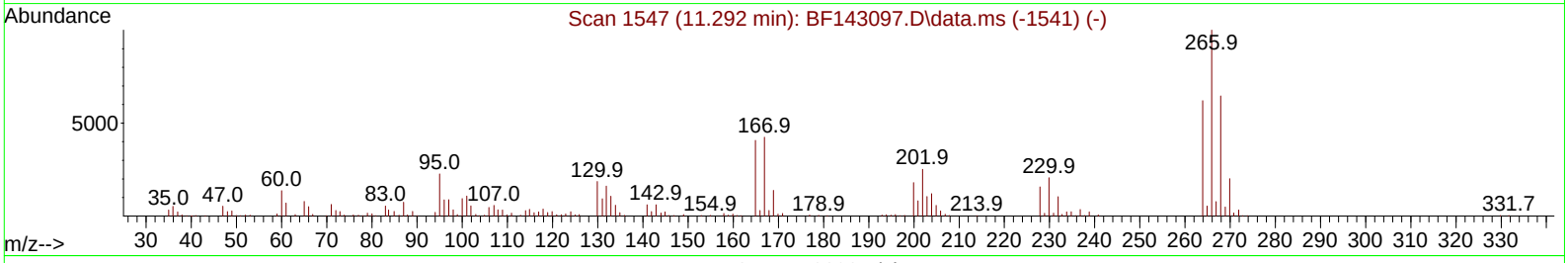
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143092.D
Acq On : 15 Jul 2025 12:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Jul 15 18:02:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration




TIC: BF143092.D\data.ms

**(70) Pentachlorophenol (C)**

**11.292min (+ 0.000) 28198.82 ng**

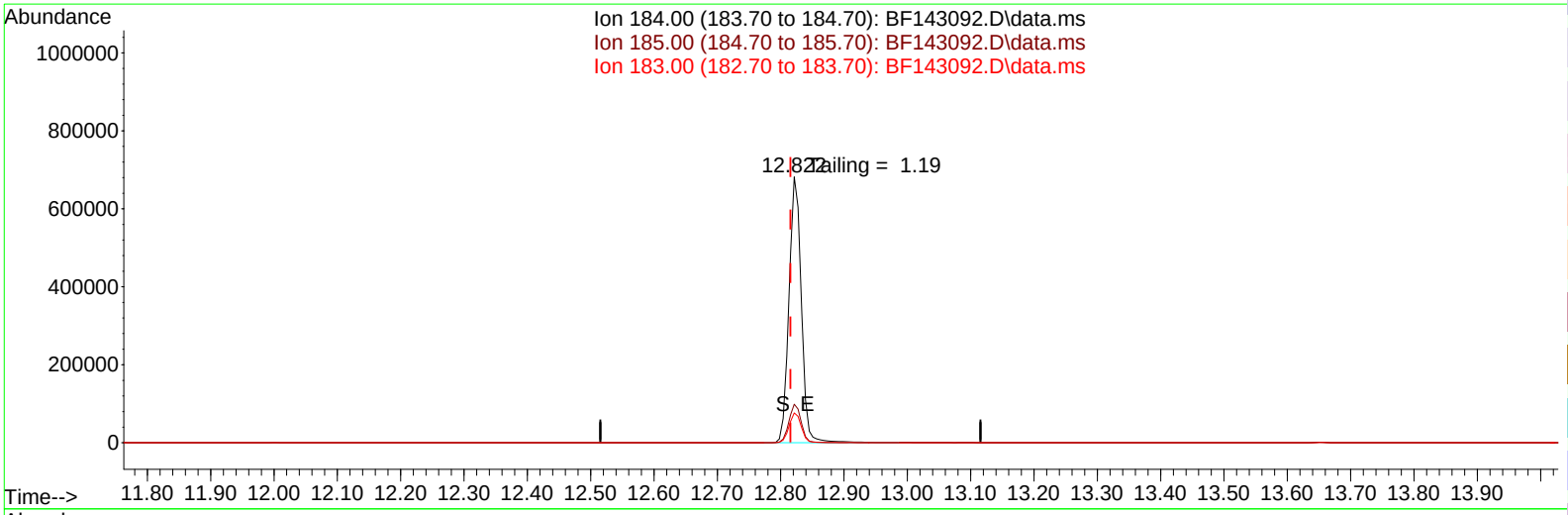
**response 151956**

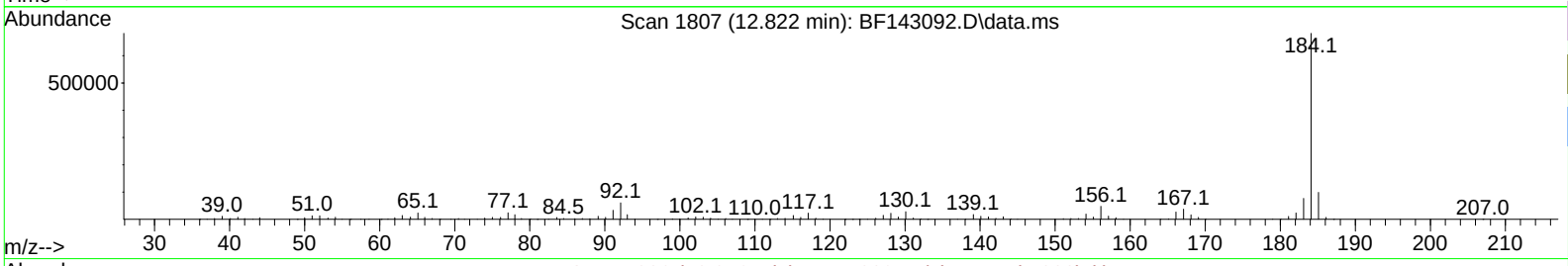
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 64.70 | 61.86 |
| 264.00 | 62.10 | 62.56 |
| 0.00 | 0.00 | 0.00 |

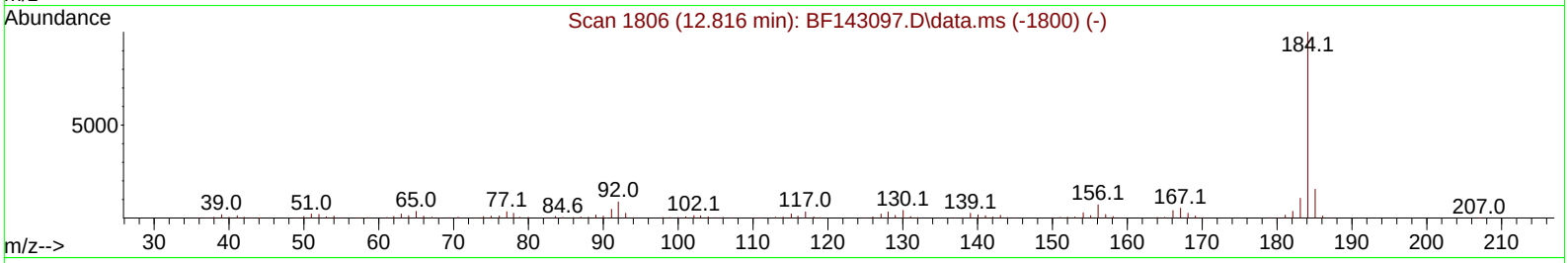
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143092.D
Acq On : 15 Jul 2025 12:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Jul 15 18:02:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration




TIC: BF143092.D\data.ms

**(77) Benzidine**

**12.822min (+ 0.006) 0.00 ng**

**response 925010**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 15.50 | 14.52 |
| 183.00 | 10.70 | 11.25 |
| 0.00 | 0.00 | 0.00 |

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

## DDT Breakdown

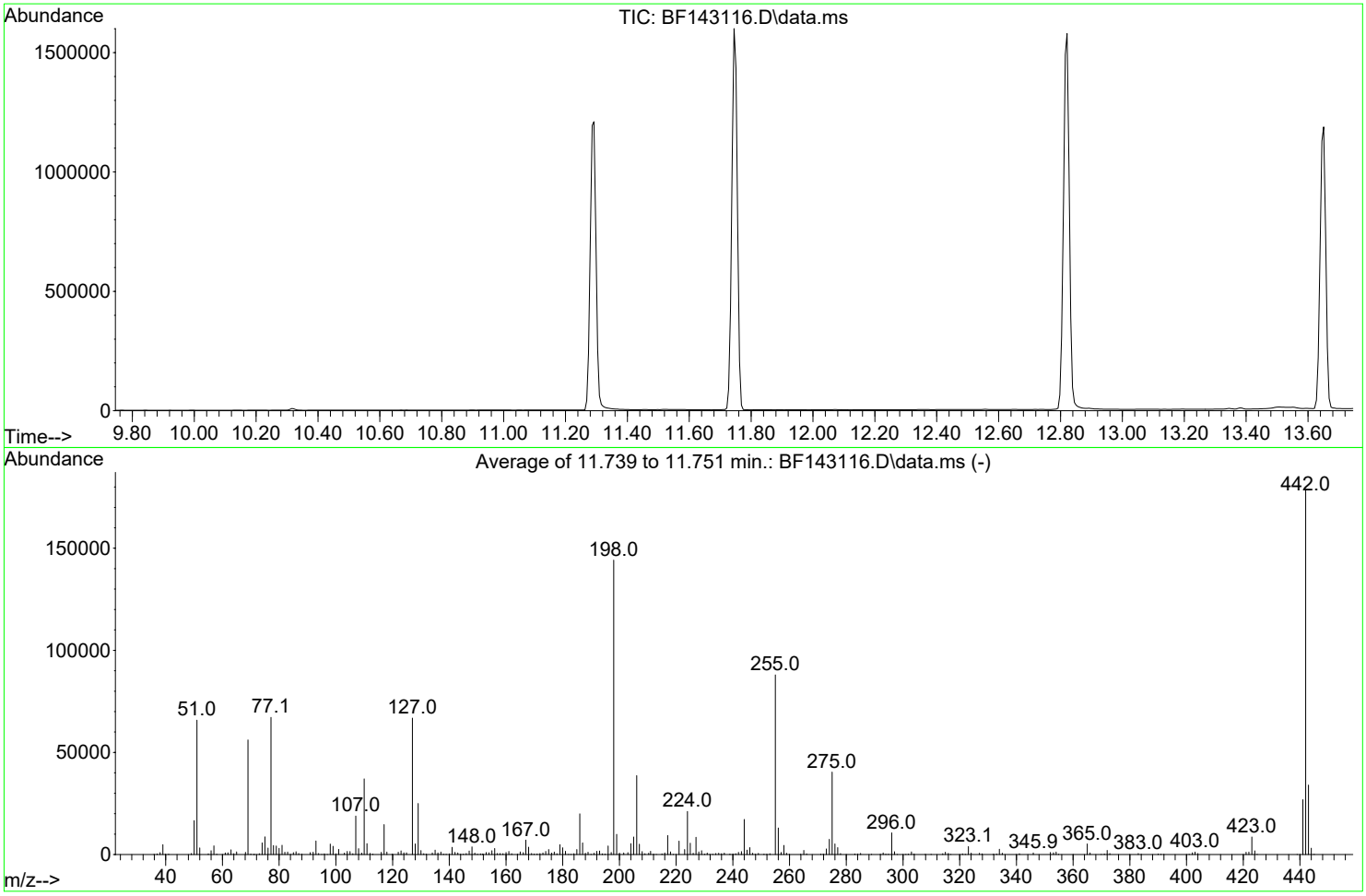
| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 7/15/2025 | BNA_F | BF143092.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 237029 | 13.651 |
| DDD | 2265 | 13.386 |
| DDE | 0 | 13.01 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 2265 | 239294 | 0.95 |
| | | |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143116.D
Acq On : 16 Jul 2025 19:09
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 15 17:53:25 2025



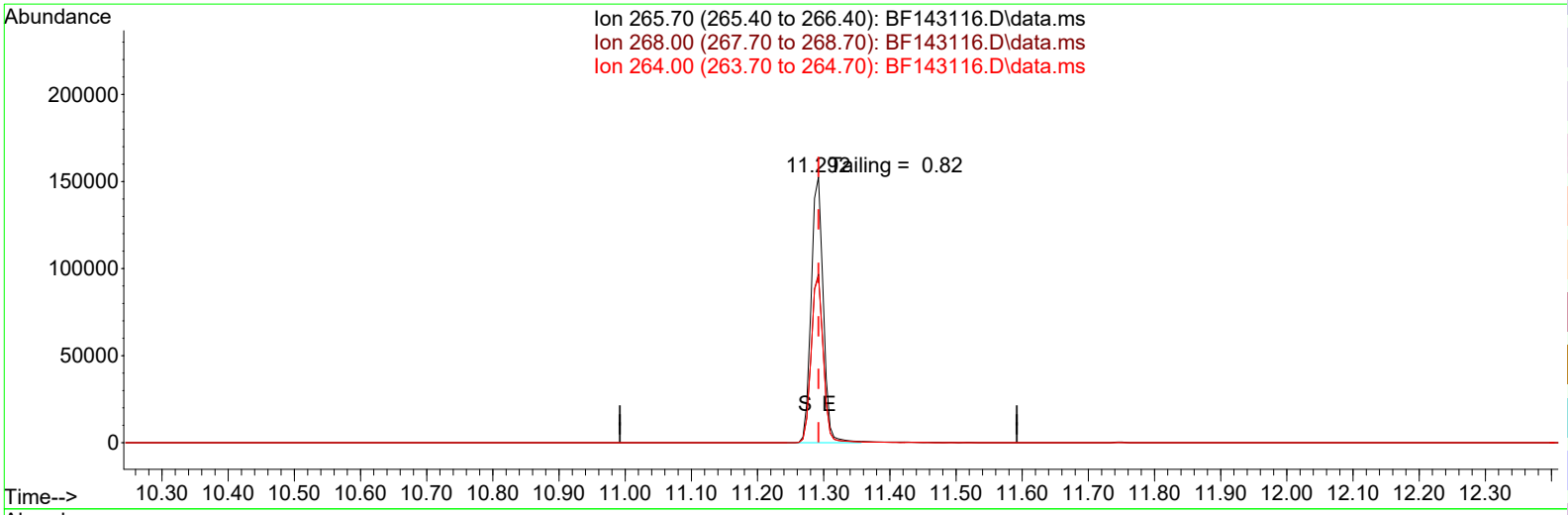

AutoFind: Scans 1623, 1624, 1625; Background Corrected with Scan 1617

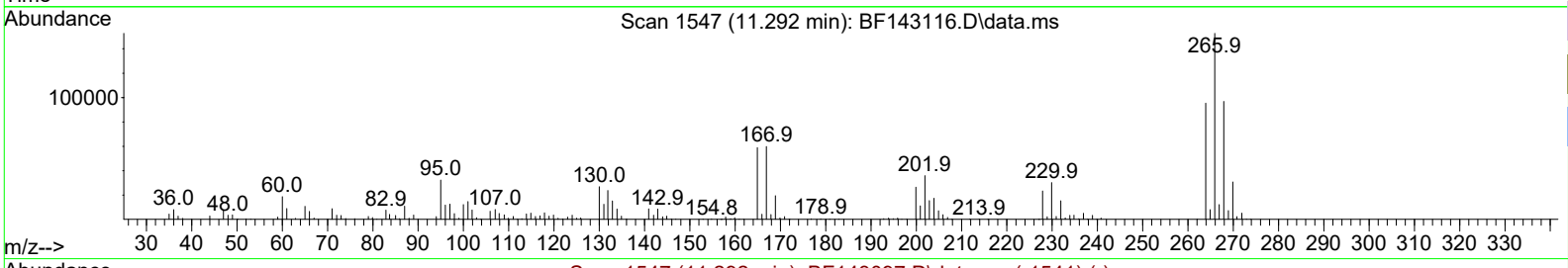
| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 68 | 69 | 0.00 | 2 | 1.9 | 1058 | PASS |
| 69 | 69 | 100 | 100 | 100.0 | 56128 | PASS |
| 70 | 69 | 0.00 | 2 | 0.6 | 318 | PASS |
| 197 | 198 | 0.00 | 2 | 0.7 | 1000 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 144192 | PASS |
| 199 | 198 | 5 | 9 | 6.8 | 9864 | PASS |
| 365 | 198 | 1 | 100 | 3.6 | 5196 | PASS |
| 441 | 443 | 0.01 | 150 | 79.1 | 26908 | PASS |
| 442 | 442 | 100 | 100 | 100.0 | 178251 | PASS |
| 443 | 442 | 15 | 24 | 19.1 | 34024 | PASS |

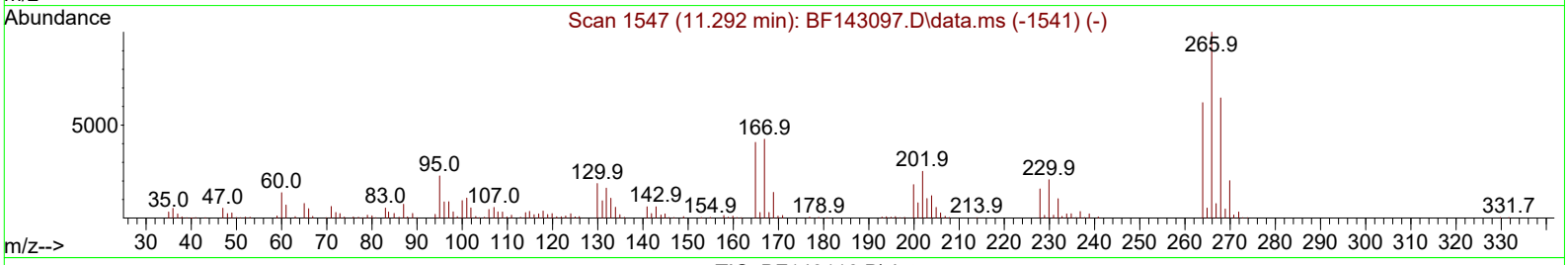
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143116.D
Acq On : 16 Jul 2025 19:09
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Jul 17 03:11:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration




TIC: BF143116.D\data.ms

**(70) Pentachlorophenol (C)**

**11.292min (-0.000) 32920.43 ng**

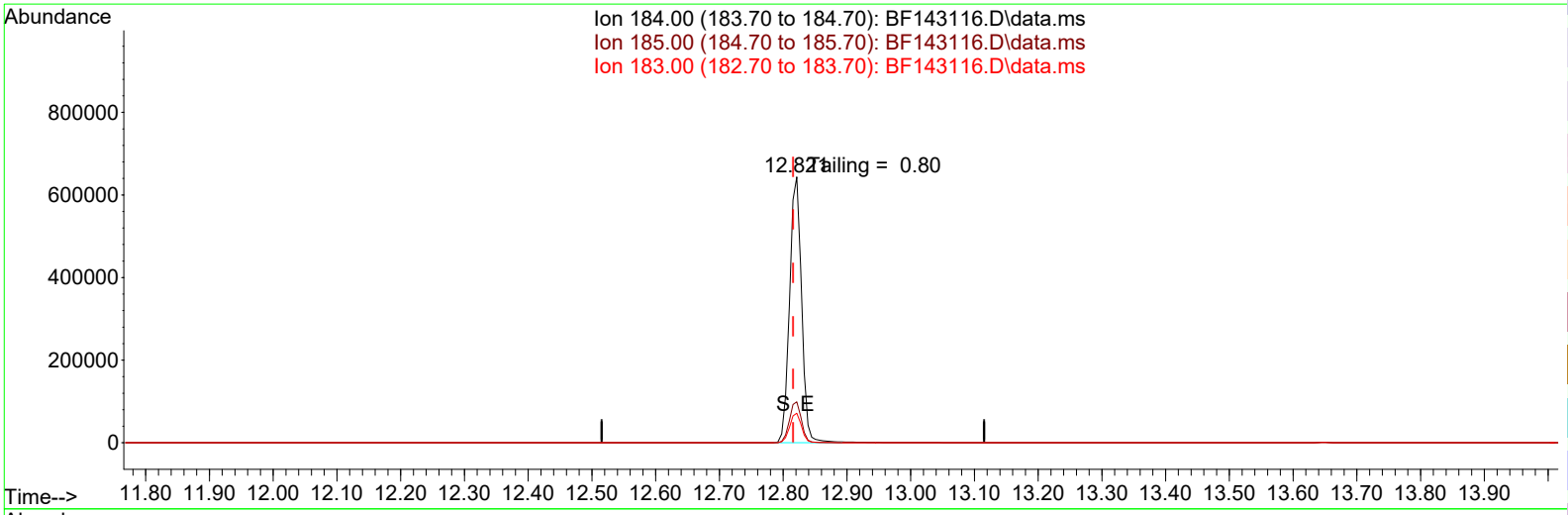
**response 195924**

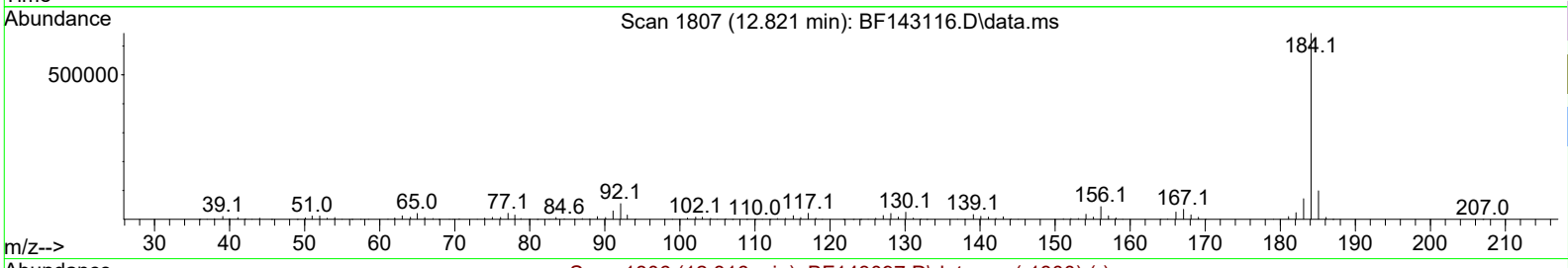
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 64.70 | 63.41 |
| 264.00 | 62.10 | 62.55 |
| 0.00 | 0.00 | 0.00 |

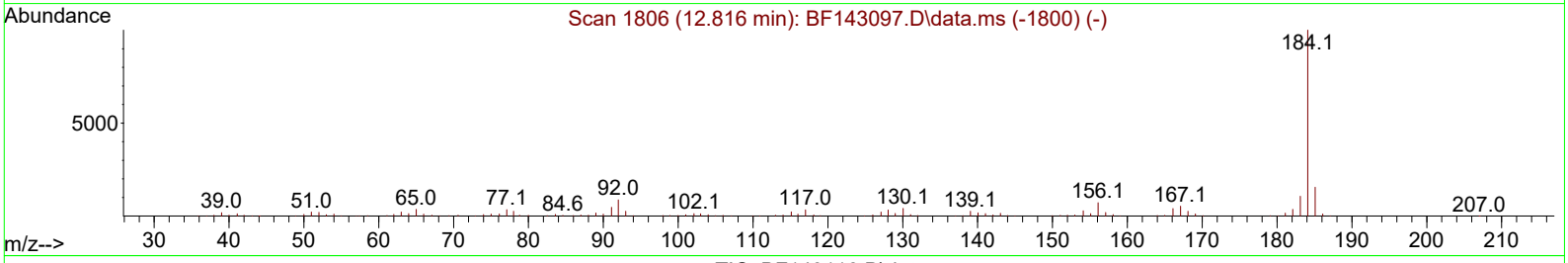
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143116.D
Acq On : 16 Jul 2025 19:09
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

Quant Time: Jul 17 03:11:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration




TIC: BF143116.D\data.ms

**(77) Benzidine**

**12.821min (+ 0.006) 0.00 ng**

**response 848698**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 15.50 | 15.39 |
| 183.00 | 10.70 | 11.10 |
| 0.00 | 0.00 | 0.00 |

**Instrument :**
BNA_F
**ClientSampleId :**
DFTPP

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 7/16/2025 | BNA_F | BF143116.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 269374 | 13.651 |
| DDD | 2925 | 13.38 |
| DDE | 0 | |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 2925 | 272299 | 1.07 |
| | | |

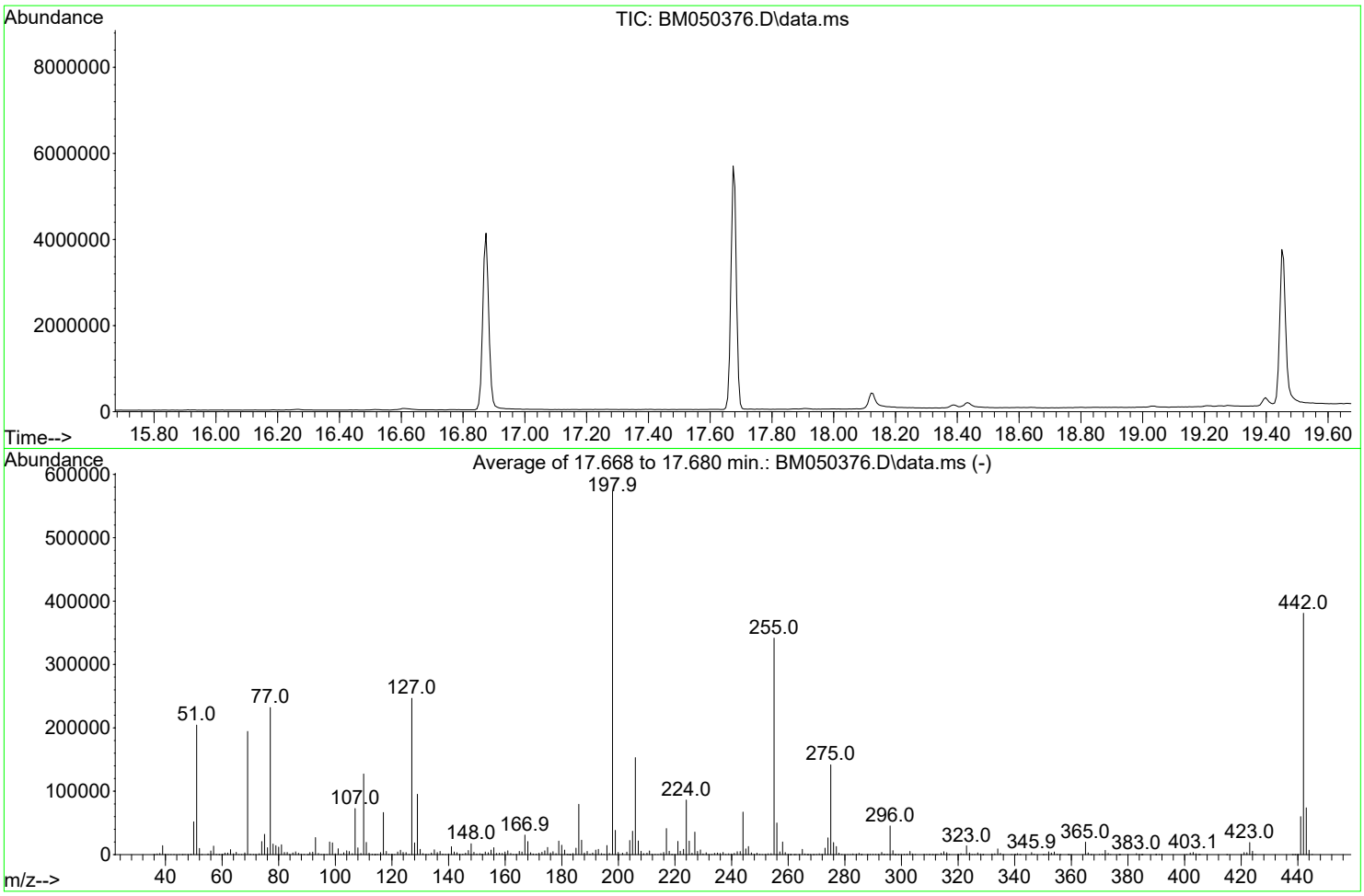
Sample Results: **BM050376.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050376.D
Acq On : 08 Jul 2025 11:59
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 08 18:32:25 2025



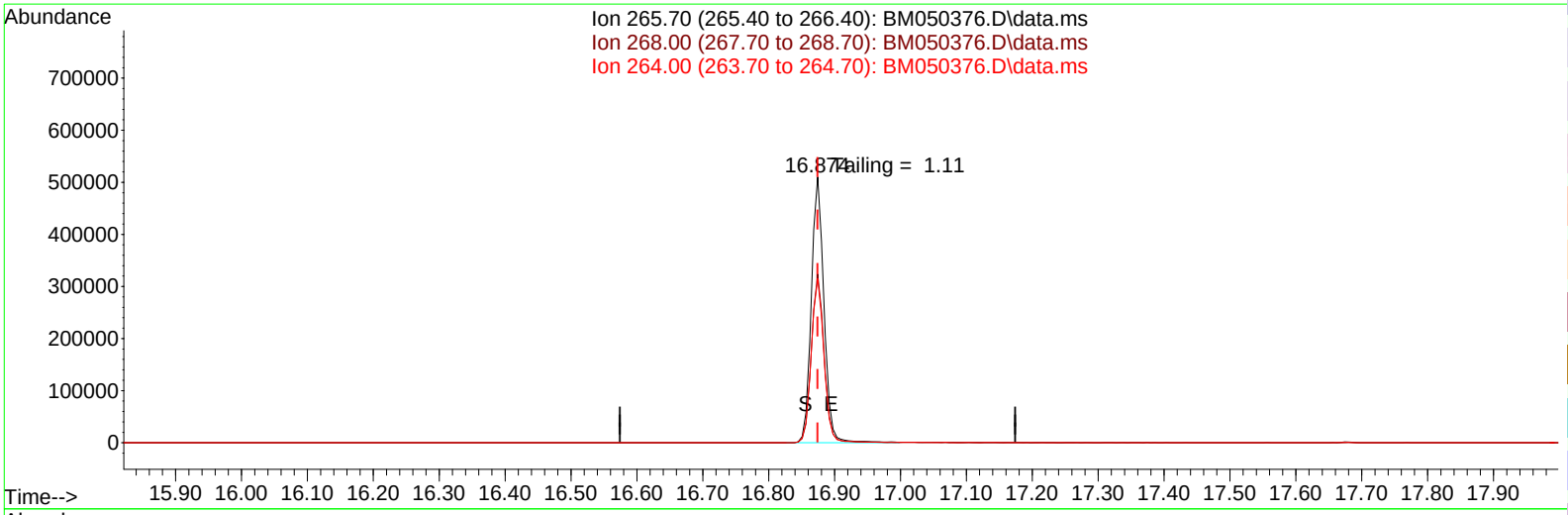

AutoFind: Scans 2496, 2497, 2498; Background Corrected with Scan 2489

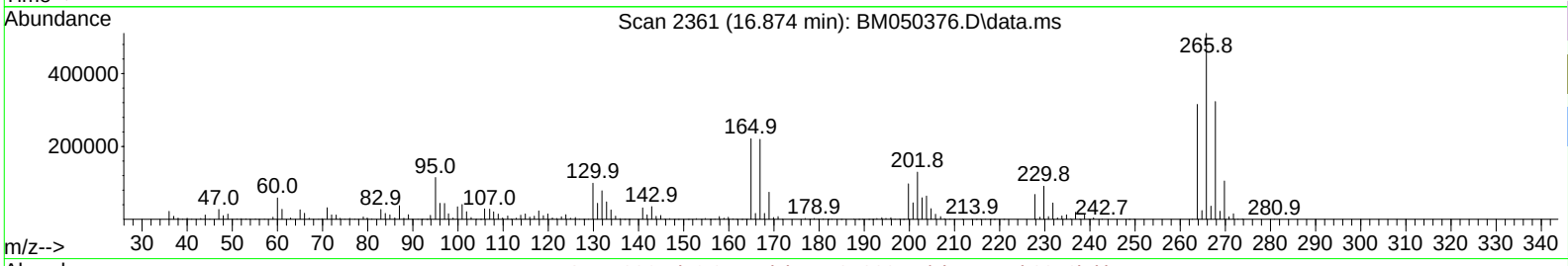
| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 68 | 69 | 0.00 | 2 | 1.5 | 2822 | PASS |
| 69 | 69 | 100 | 100 | 100.0 | 194463 | PASS |
| 70 | 69 | 0.00 | 2 | 0.5 | 943 | PASS |
| 197 | 198 | 0.00 | 2 | 0.3 | 1831 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 573141 | PASS |
| 199 | 198 | 5 | 9 | 6.7 | 38261 | PASS |
| 365 | 198 | 1 | 100 | 3.4 | 19723 | PASS |
| 441 | 443 | 0.01 | 150 | 81.4 | 60059 | PASS |
| 442 | 442 | 100 | 100 | 100.0 | 380992 | PASS |
| 443 | 442 | 15 | 24 | 19.4 | 73781 | PASS |

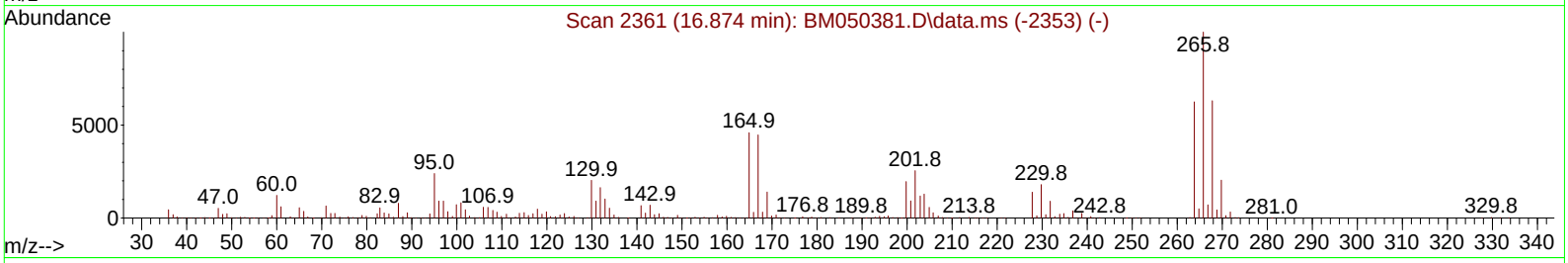
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050376.D
Acq On : 08 Jul 2025 11:59
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Quant Time: Jul 08 17:14:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 15:59:58 2025
Response via : Initial Calibration




TIC: BM050376.D\data.ms

**(70) Pentachlorophenol (C)**

**16.874min (+ 0.000) 0.00 ng**

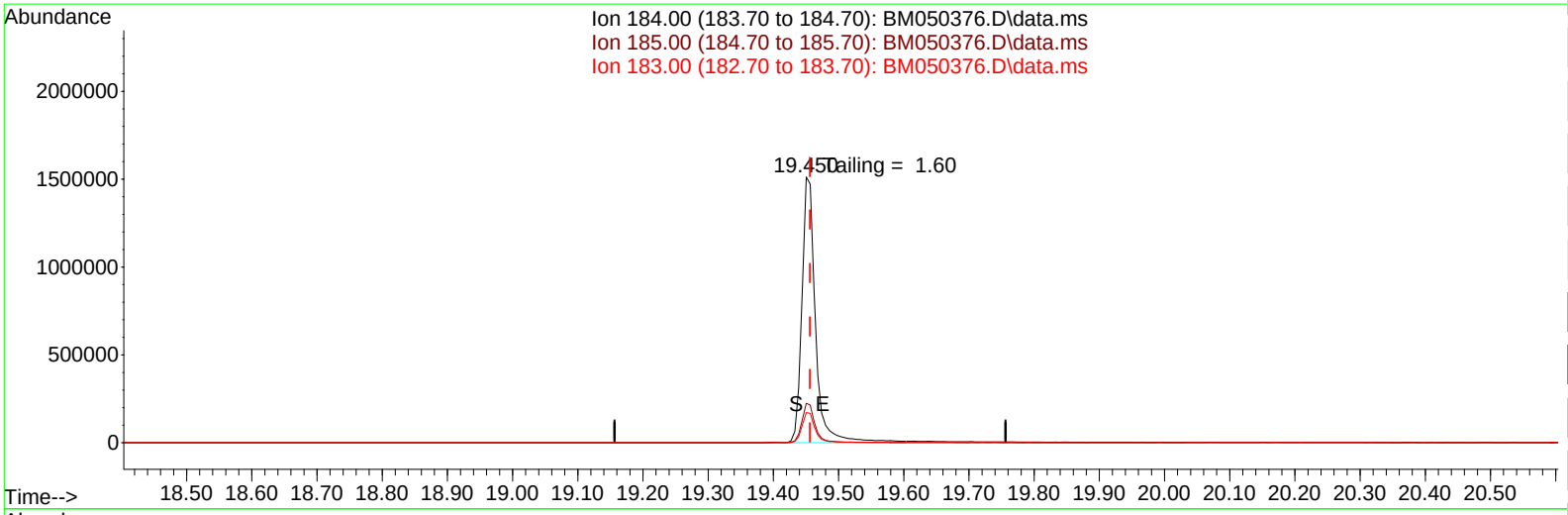
**response 680595**

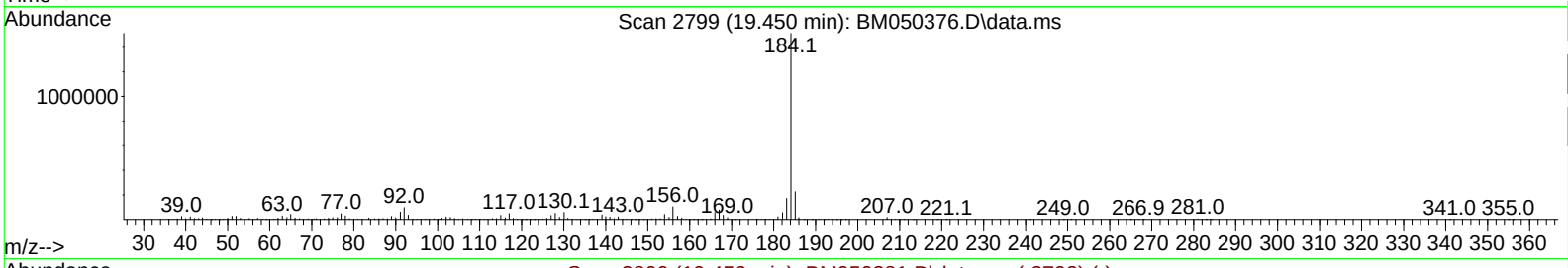
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 63.10 | 63.37 |
| 264.00 | 62.40 | 61.79 |
| 0.00 | 0.00 | 0.00 |

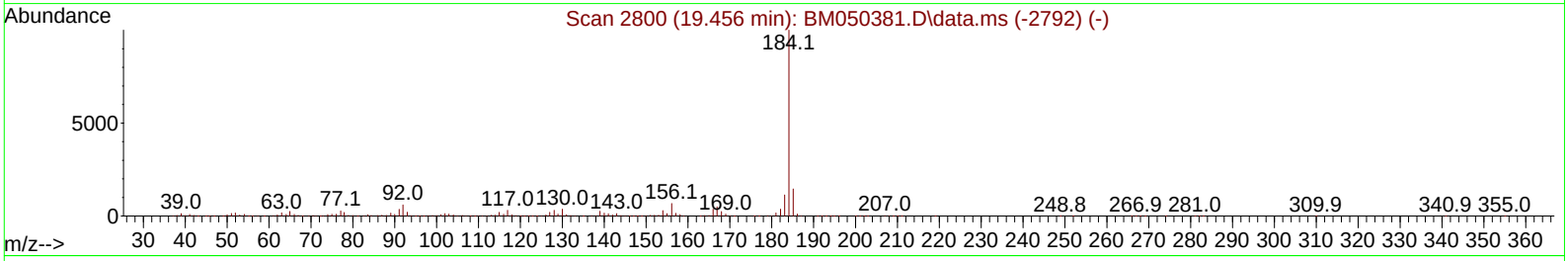
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050376.D
Acq On : 08 Jul 2025 11:59
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Quant Time: Jul 08 17:14:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 15:59:58 2025
Response via : Initial Calibration




TIC: BM050376.D\data.ms

**(77) Benzidine**

**19.450min (-0.006) 78341.13 ng**

**response 2201890**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.60 | 14.87 |
| 183.00 | 11.30 | 11.33 |
| 0.00 | 0.00 | 0.00 |

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 7/9/2025 | BNA_M | BM050376.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 1842274 | 20.692 |
| DDD | 18107 | 20.309 |
| DDE | 1079 | 19.75 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 19186 | 1861460 | 1.03 |
| | | |

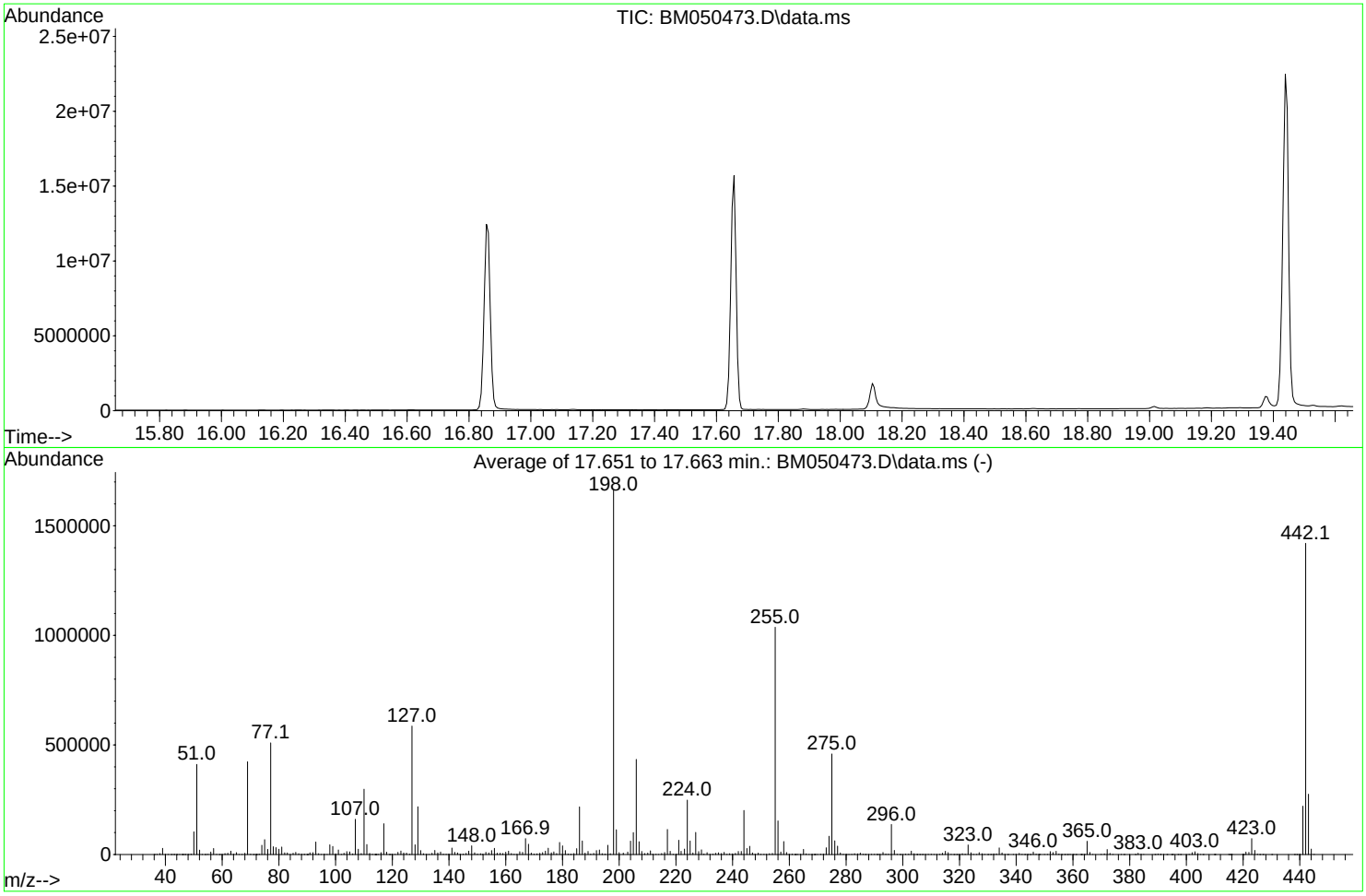
Sample Results: **BM050473.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050473.D
Acq On : 17 Jul 2025 13:02
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270E-Tune.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Oct 07 11:38:17 2020



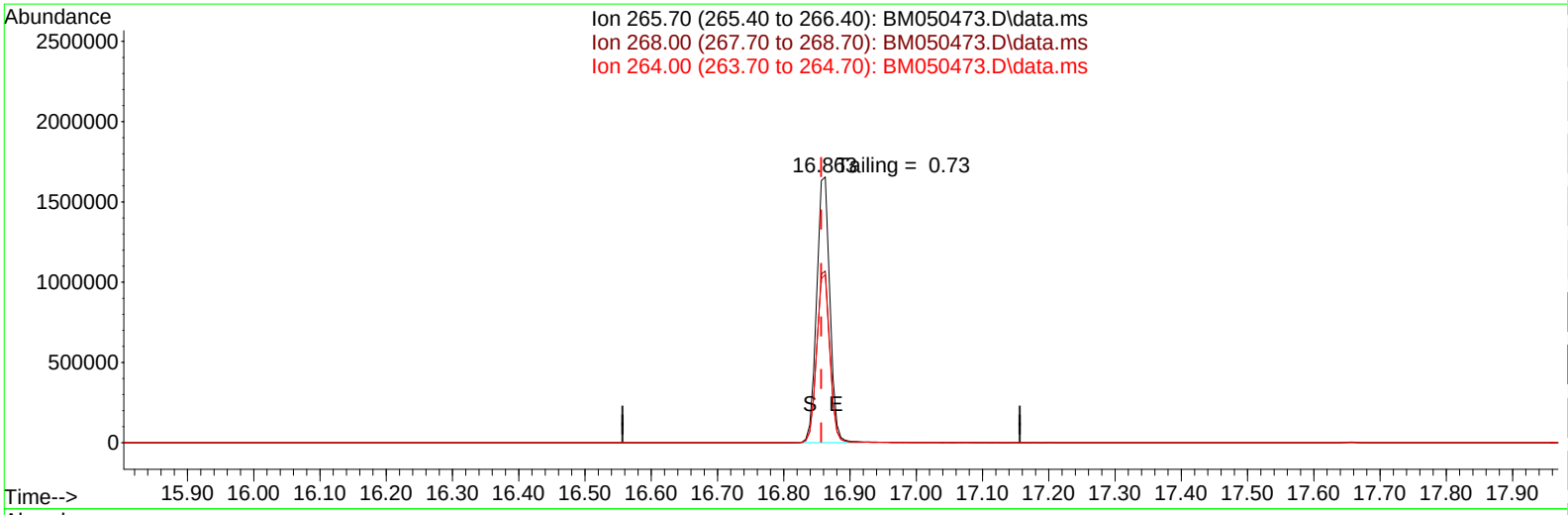

AutoFind: Scans 2493, 2494, 2495; Background Corrected with Scan 2485

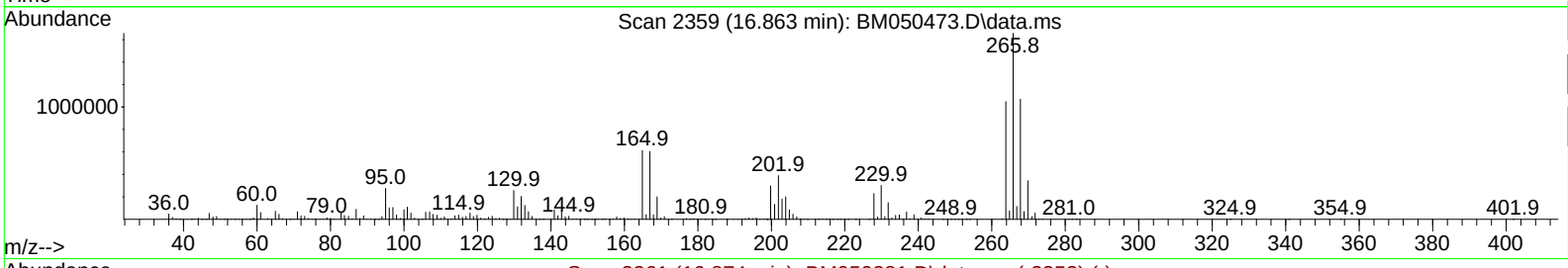
| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 68 | 69 | 0.00 | 2 | 1.5 | 6225 | PASS |
| 69 | 69 | 100 | 100 | 100.0 | 423672 | PASS |
| 70 | 69 | 0.00 | 2 | 0.5 | 2225 | PASS |
| 197 | 198 | 0.00 | 2 | 0.2 | 4012 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 1660757 | PASS |
| 199 | 198 | 5 | 9 | 6.8 | 113293 | PASS |
| 365 | 198 | 1 | 100 | 3.6 | 60509 | PASS |
| 441 | 443 | 0.01 | 150 | 80.2 | 220800 | PASS |
| 442 | 442 | 100 | 100 | 100.0 | 1419947 | PASS |
| 443 | 442 | 15 | 24 | 19.4 | 275179 | PASS |

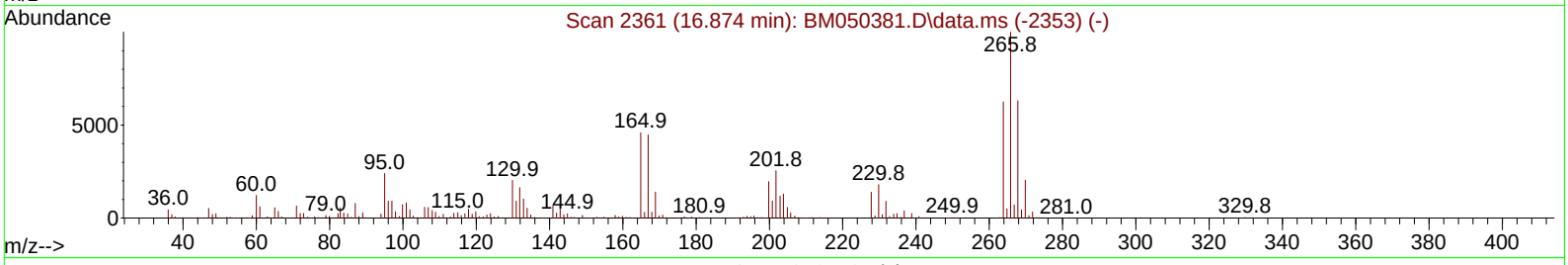
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050473.D
Acq On : 17 Jul 2025 13:02
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Quant Time: Jul 17 16:24:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration




TIC: BM050473.D\data.ms

**(70) Pentachlorophenol (C)**

**16.863min (+ 0.006) 343417.56 ng**

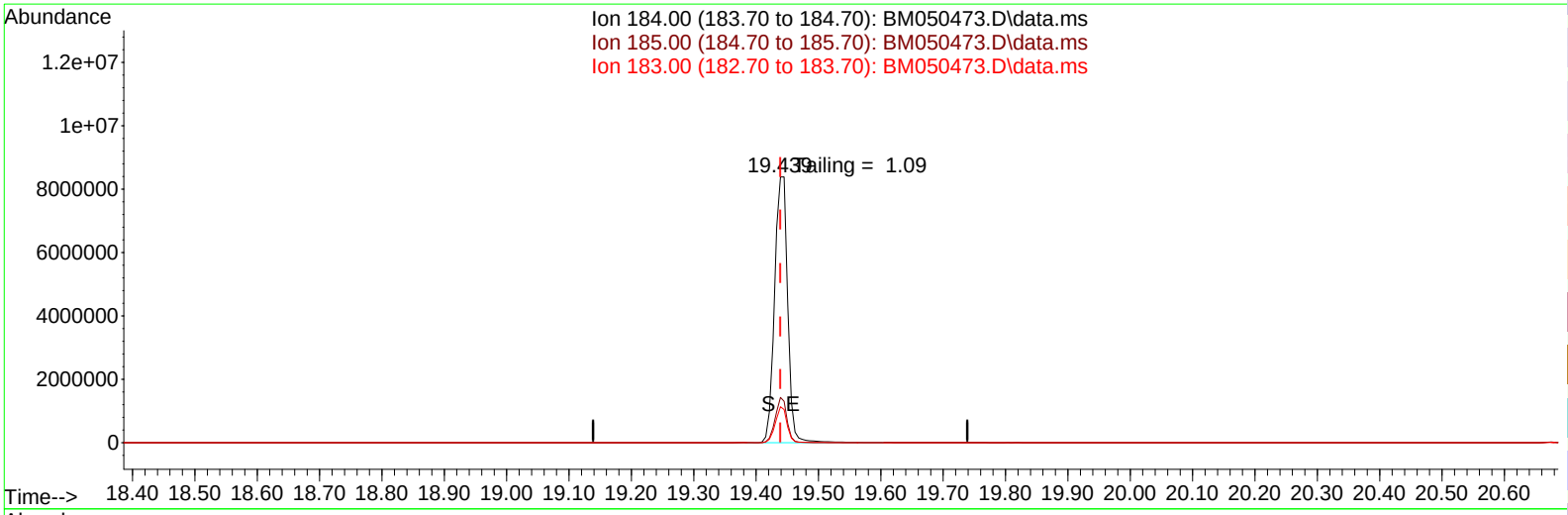
**response 2320091**

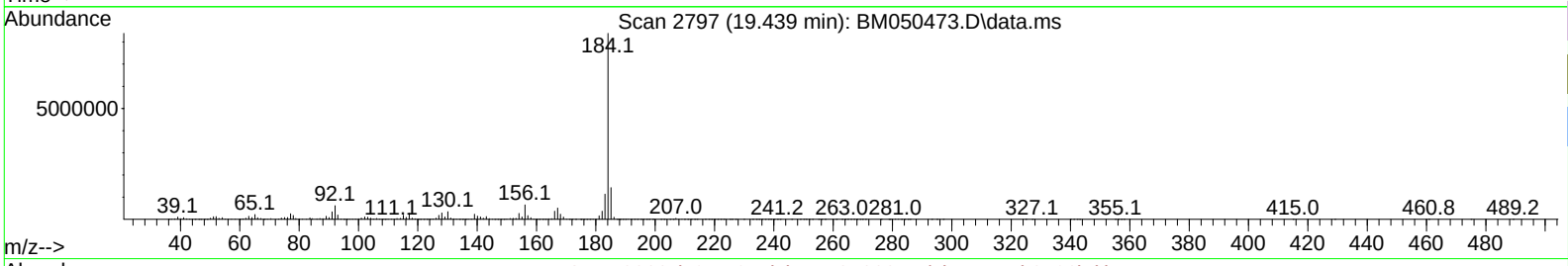
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 63.10 | 64.56 |
| 264.00 | 62.40 | 63.28 |
| 0.00 | 0.00 | 0.00 |

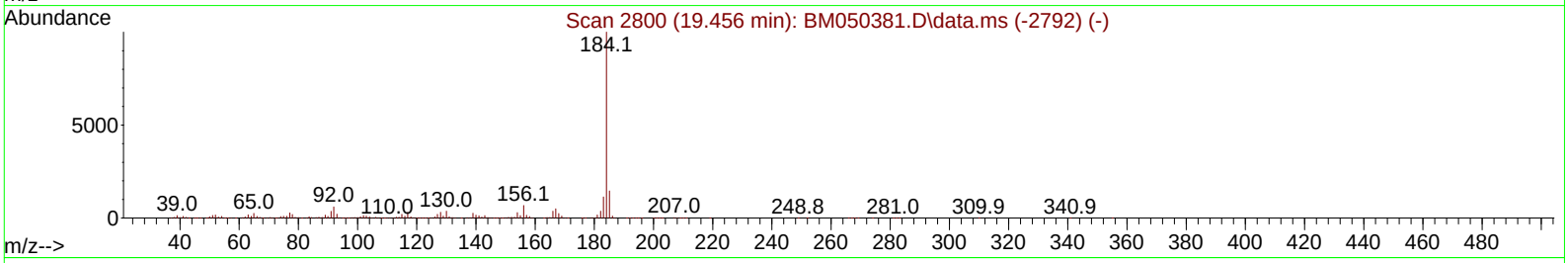
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050473.D
Acq On : 17 Jul 2025 13:02
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Quant Time: Jul 17 16:24:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration




TIC: BM050473.D\data.ms

**(77) Benzidine**

**19.439min (+ 0.000) 121383.09 ng**

**response 12309874**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.60 | 17.04 |
| 183.00 | 11.30 | 13.56# |
| 0.00 | 0.00 | 0.00 |

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 7/17/2025 | BNA_M | BM050473.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 6172237 | 20.674 |
| DDD | 81432 | 20.292 |
| DDE | 4819 | 19.733 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 86251 | 6258488 | 1.38 |
| | | |

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | PARSONS Engineering of New York, Inc. | Date Collected: | |
| Project: | Con Edison - East River Site 2 | Date Received: | |
| Client Sample ID: | PB168885BL | SDG No.: | Q2592 |
| Lab Sample ID: | PB168885BL | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050475.D | 1 | 07/16/25 10:14 | 07/17/25 14:57 | PB168885 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 110-86-1 | Pyridine | 5.00 | U | 1.30 | 5.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 5.00 | U | 0.53 | 5.00 | ug/L |
| 95-48-7 | 2-Methylphenol | 5.00 | U | 1.10 | 5.00 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 10.0 | U | 1.10 | 10.0 | ug/L |
| 67-72-1 | Hexachloroethane | 5.00 | U | 0.65 | 5.00 | ug/L |
| 98-95-3 | Nitrobenzene | 5.00 | U | 0.76 | 5.00 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 5.00 | U | 0.54 | 5.00 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 5.00 | U | 0.51 | 5.00 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 5.00 | U | 0.62 | 5.00 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 5.00 | U | 1.20 | 5.00 | ug/L |
| 118-74-1 | Hexachlorobenzene | 5.00 | U | 0.52 | 5.00 | ug/L |
| 87-86-5 | Pentachlorophenol | 10.0 | U | 1.60 | 10.0 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 133 | | 23 - 138 | 89% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 129 | | 10 - 134 | 86% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 82.7 | | 67 - 132 | 83% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 80.1 | | 52 - 132 | 80% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 157 | | 44 - 137 | 105% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 86.6 | | 42 - 152 | 87% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 484000 | 7.845 | | | |
| 1146-65-2 | Naphthalene-d8 | 1700000 | 10.639 | | | |
| 15067-26-2 | Acenaphthene-d10 | 1090000 | 14.474 | | | |
| 1517-22-2 | Phenanthrene-d10 | 2250000 | 17.203 | | | |
| 1719-03-5 | Chrysene-d12 | 2370000 | 21.427 | | | |
| 1520-96-3 | Perylene-d12 | 2620000 | 24.45 | | | |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | PARSONS Engineering of New York, Inc. | | | Date Collected: | |
| Project: | Con Edison - East River Site 2 | | | Date Received: | |
| Client Sample ID: | PB168885BL | | | SDG No.: | Q2592 |
| Lab Sample ID: | PB168885BL | | | Matrix: | TCLP |
| Analytical Method: | 8270E | | | % Solid: | 0 |
| Sample Wt/Vol: | 1000 | Units: | mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | TCLP BNA |
| Extraction Type : | | Decanted : | N | Level : | LOW |
| Injection Volume : | | GPC Factor : | 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050475.D | 1 | 07/16/25 10:14 | 07/17/25 14:57 | PB168885 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050475.D
Acq On : 17 Jul 2025 14:57
Operator : RC/JU
Sample : PB168885BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BL

Quant Time: Jul 17 16:21:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

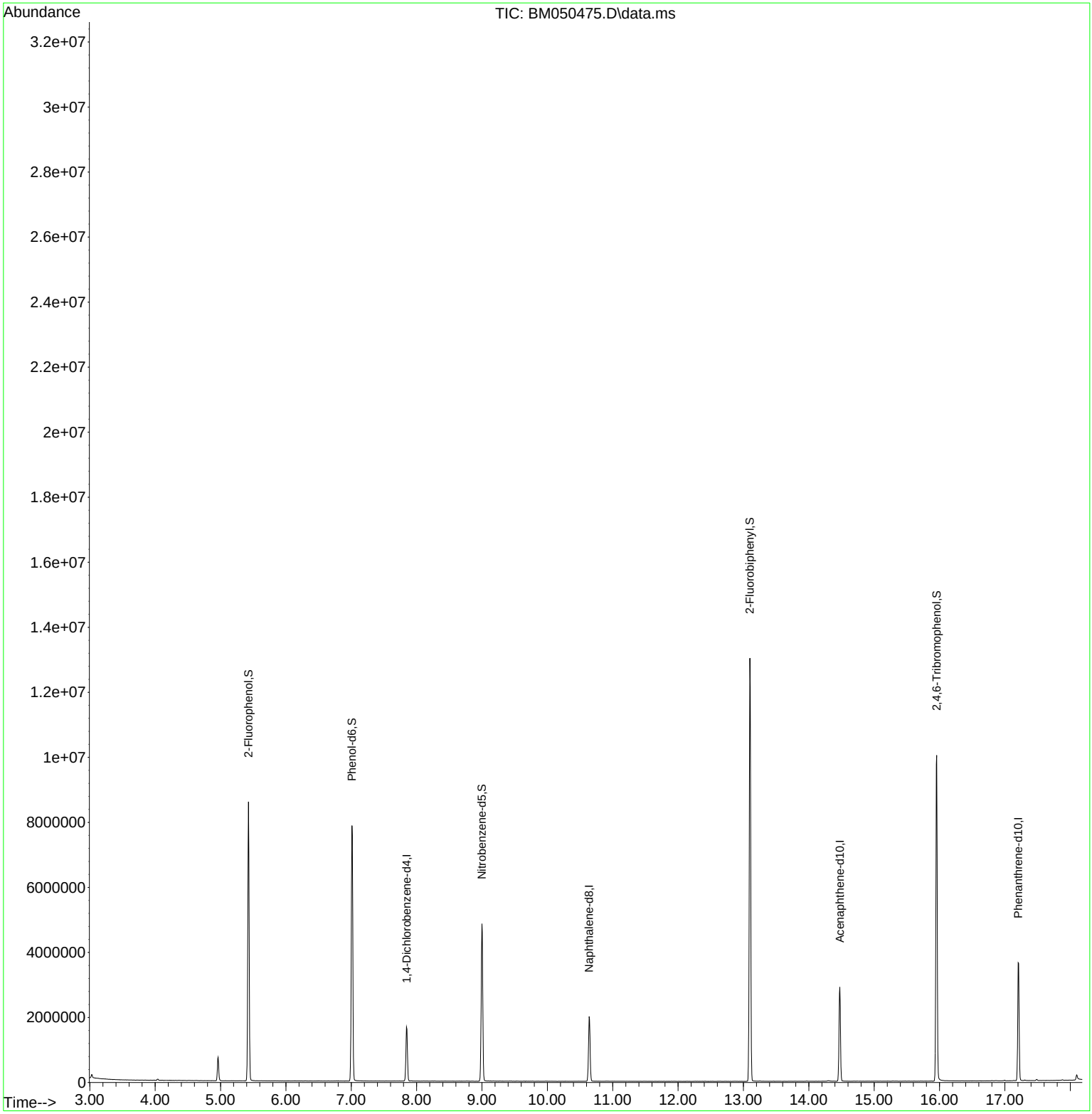
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.845 | 152 | 484190 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.639 | 136 | 1695354 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.474 | 164 | 1085065 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.203 | 188 | 2246799 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.427 | 240 | 2374390 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.450 | 264 | 2623122 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.428 | 112 | 3740092 | 132.962 | ng | 0.00 |
| 7) Phenol-d6 | 7.010 | 99 | 4572384 | 128.946 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.998 | 82 | 2748609 | 82.714 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.957 | 330 | 2071363 | 157.116 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.098 | 172 | 7037234 | 80.092 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.821 | 244 | 11688353 | 86.612 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050475.D
Acq On : 17 Jul 2025 14:57
Operator : RC/JU
Sample : PB168885BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BL

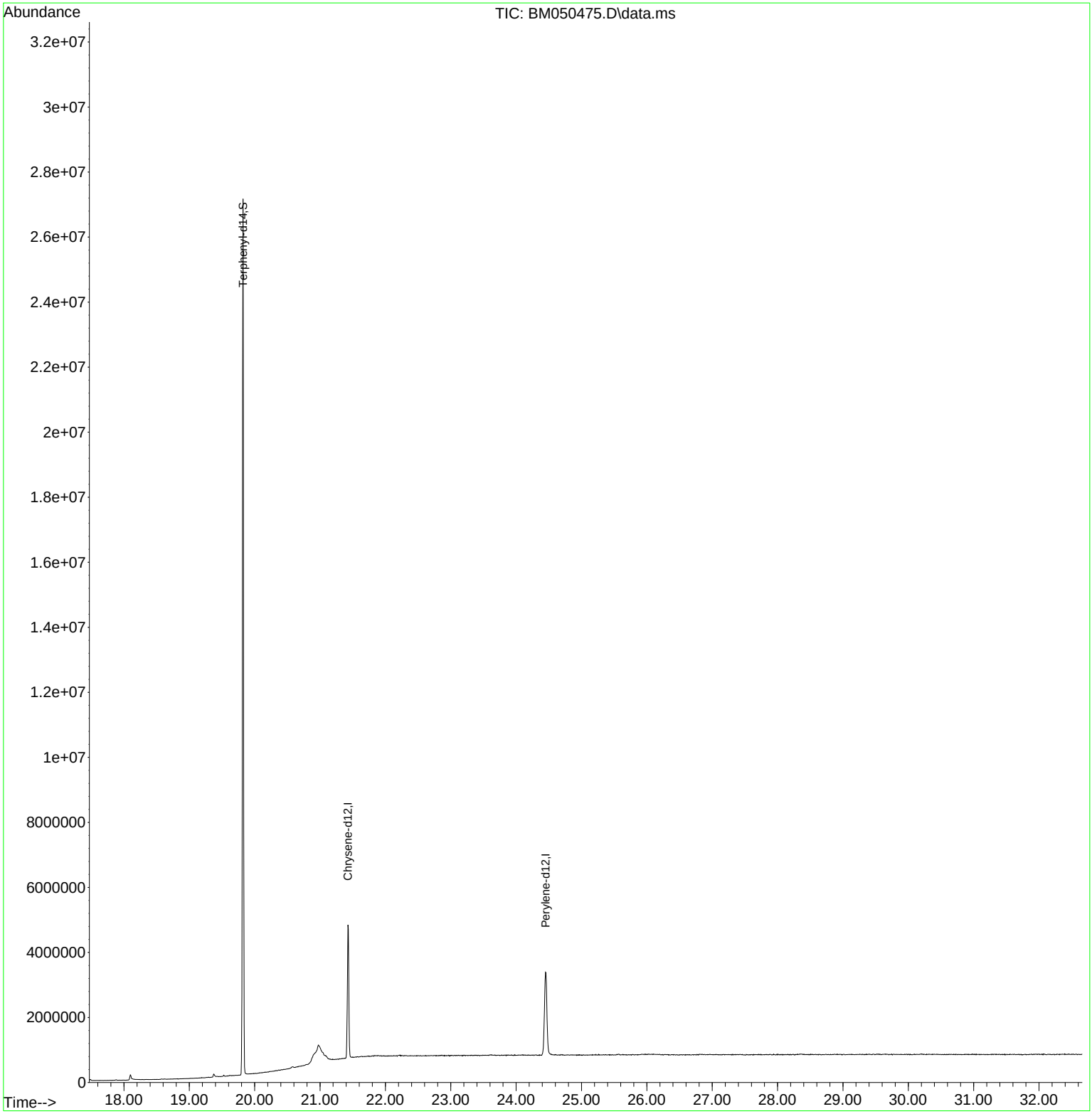
Quant Time: Jul 17 16:21:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

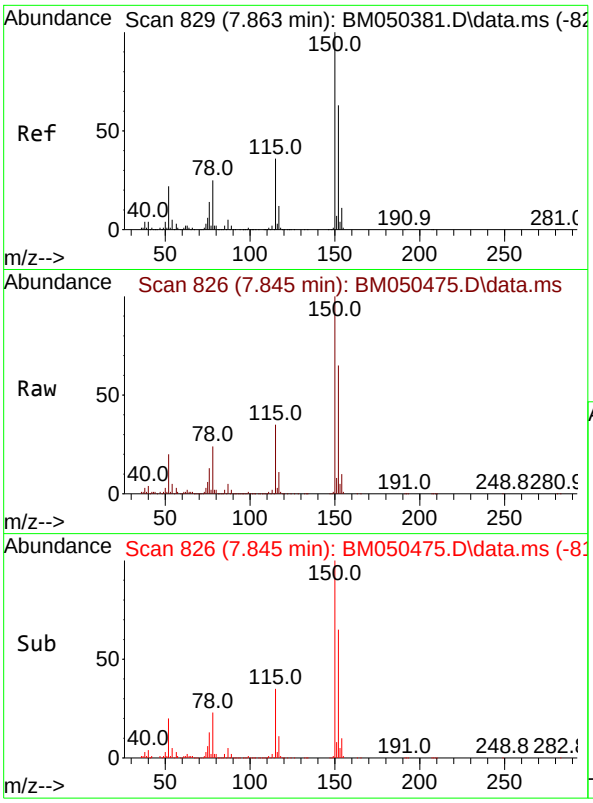


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050475.D
Acq On : 17 Jul 2025 14:57
Operator : RC/JU
Sample : PB168885BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BL

Quant Time: Jul 17 16:21:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration



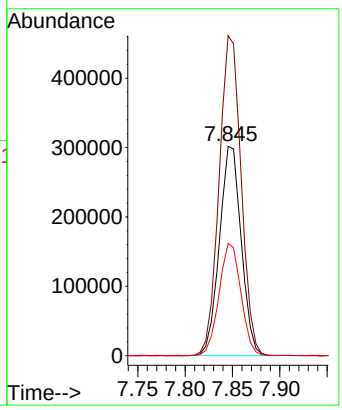


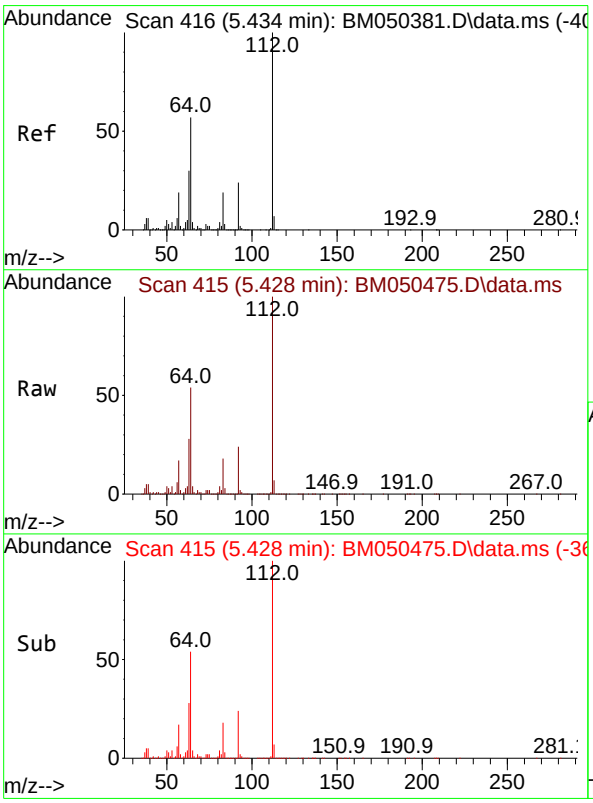

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050475.D
Acq: 17 Jul 2025 14:57

**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BL

Tgt Ion:152 Resp: 484190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 152.9 | 126.2 | 189.4 |
| 115 | 53.6 | 45.8 | 68.8 |

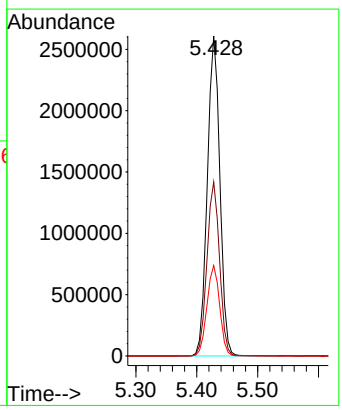


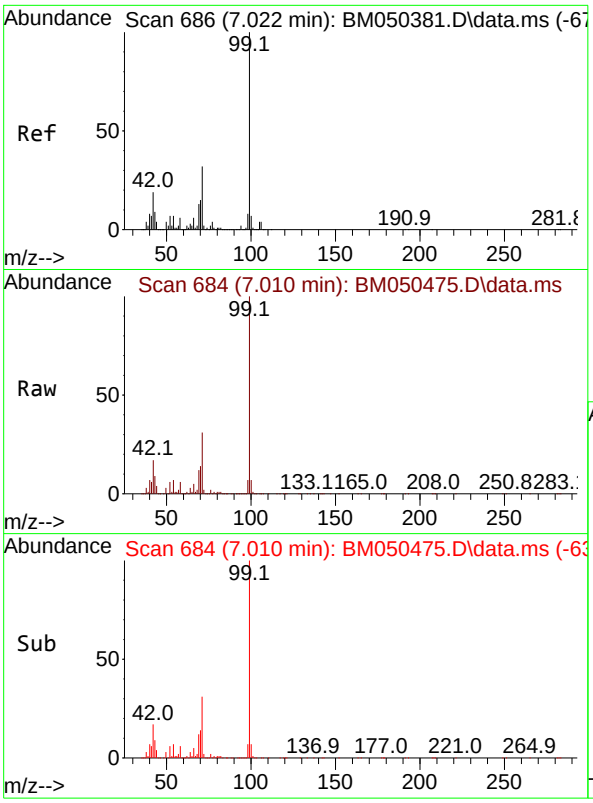




#5
2-Fluorophenol
Concen: 132.962 ng
RT: 5.428 min Scan# 415
Delta R.T. -0.000 min
Lab File: BM050475.D
Acq: 17 Jul 2025 14:57

Tgt Ion:112 Resp: 3740092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.4 | 45.5 | 68.3 |
| 63 | 28.2 | 24.2 | 36.4 |



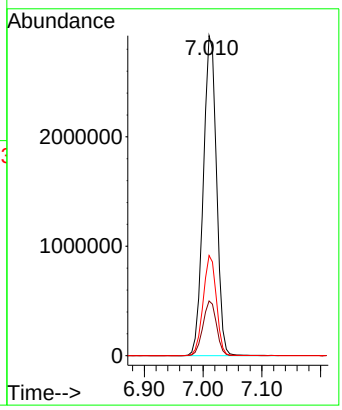


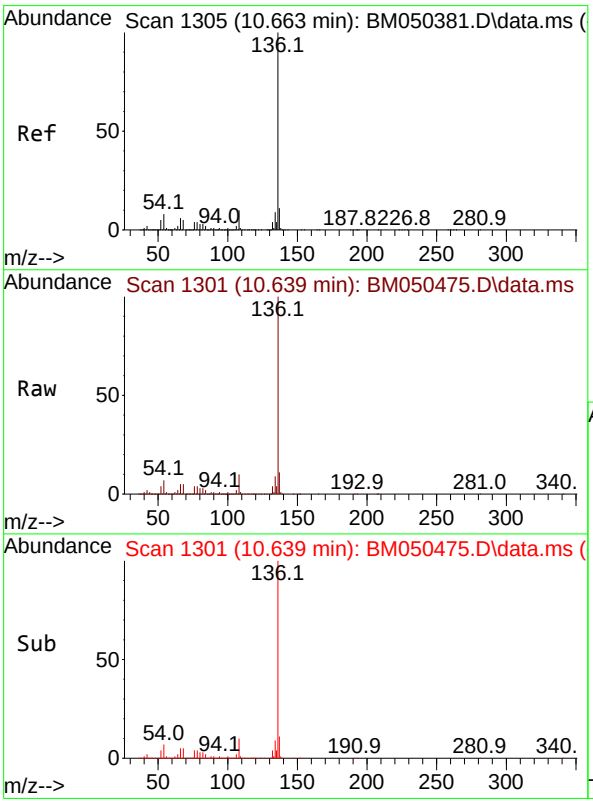

#7
Phenol-d6
Concen: 128.946 ng
RT: 7.010 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050475.D
Acq: 17 Jul 2025 14:57

**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BL

Tgt Ion: 99 Resp: 4572384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.1 | 15.0 | 22.6 |
| 71 | 31.3 | 25.9 | 38.9 |

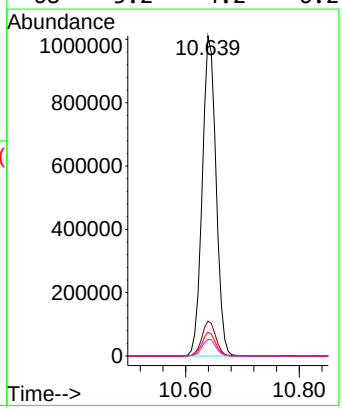


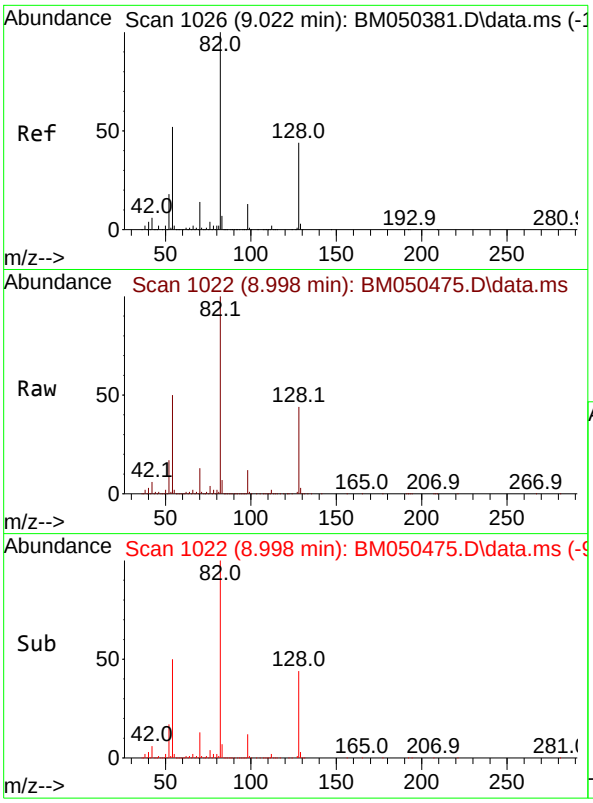




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.639 min Scan# 1301
Delta R.T. -0.000 min
Lab File: BM050475.D
Acq: 17 Jul 2025 14:57

Tgt Ion:136 Resp: 1695354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.8 | 13.2 |
| 54 | 7.5 | 6.3 | 9.5 |
| 68 | 5.2 | 4.2 | 6.2 |



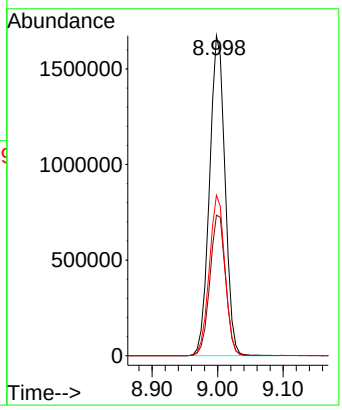


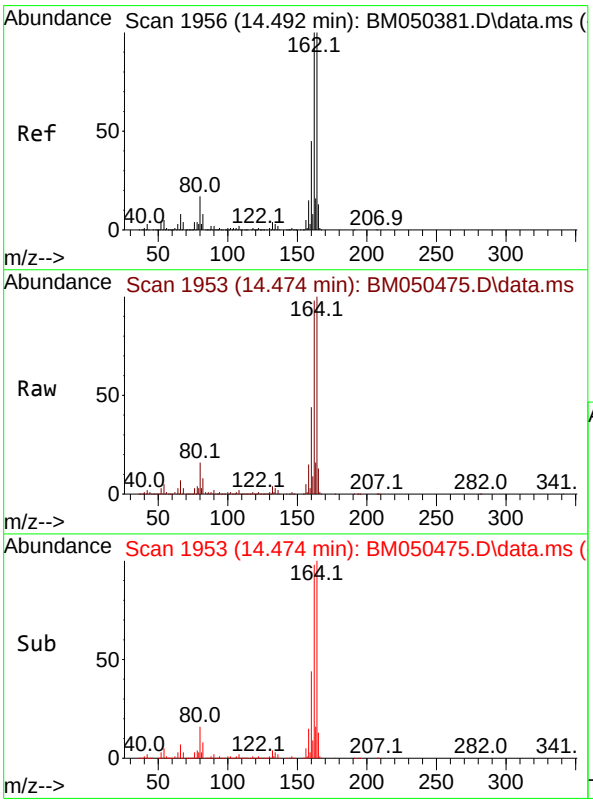

#23
Nitrobenzene-d5
Concen: 82.714 ng
RT: 8.998 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM050475.D
Acq: 17 Jul 2025 14:57

**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BL

Tgt Ion: 82 Resp: 2748609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.9 | 35.2 | 52.8 |
| 54 | 50.2 | 41.5 | 62.3 |

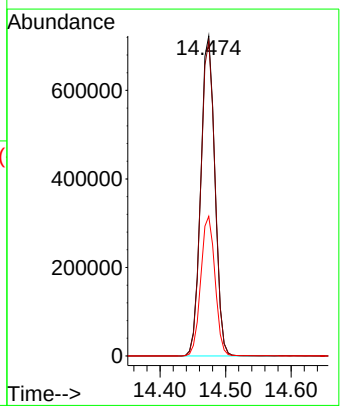


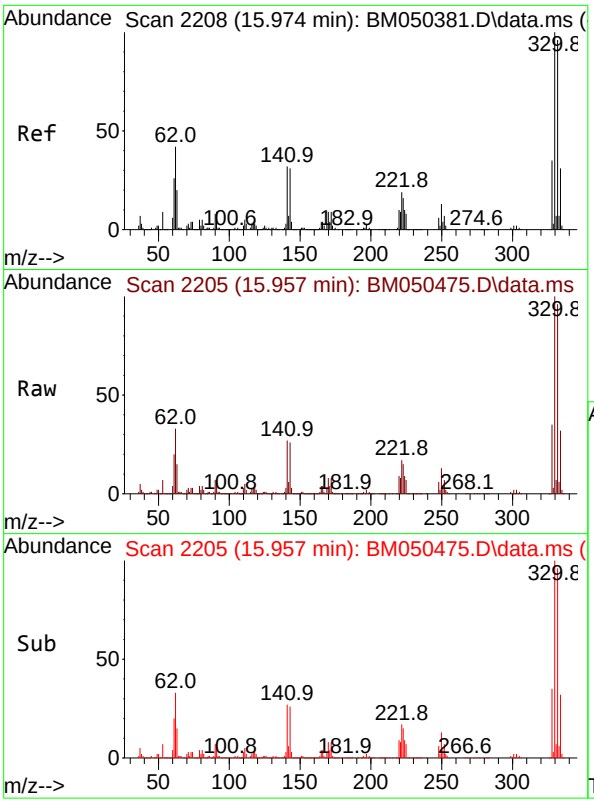




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BM050475.D
Acq: 17 Jul 2025 14:57

Tgt Ion:164 Resp: 1085065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.3 | 79.9 | 119.9 |
| 160 | 43.7 | 36.2 | 54.4 |



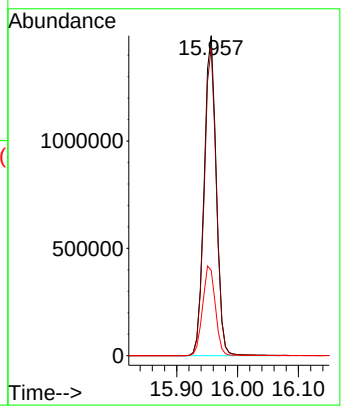


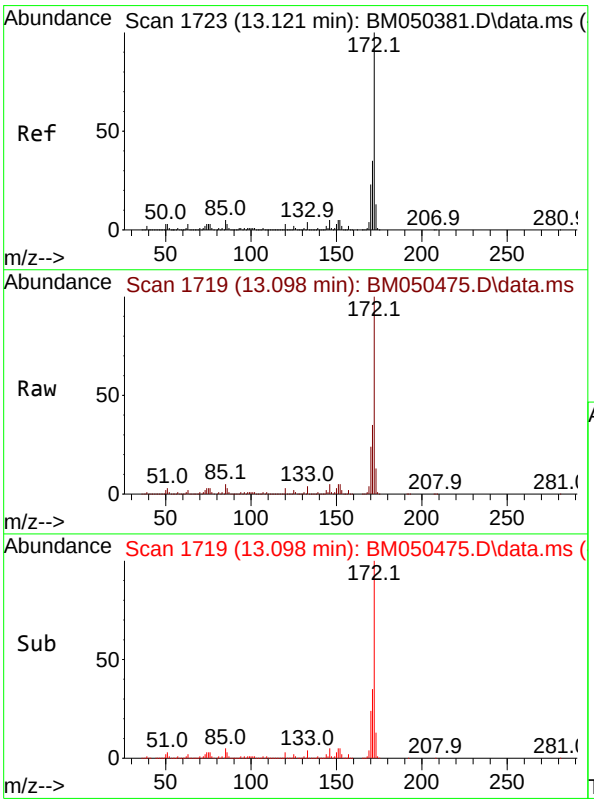

#42
2,4,6-Tribromophenol
Concen: 157.116 ng
RT: 15.957 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050475.D
Acq: 17 Jul 2025 14:57

**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BL

Tgt Ion:330 Resp: 2071363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.1 | 76.9 | 115.3 |
| 141 | 29.4 | 27.4 | 41.0 |

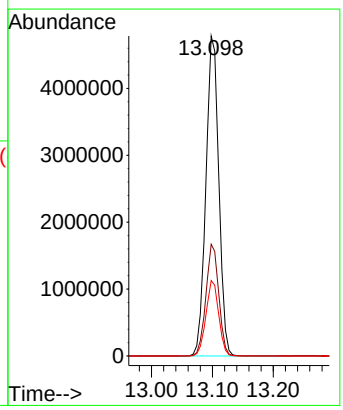


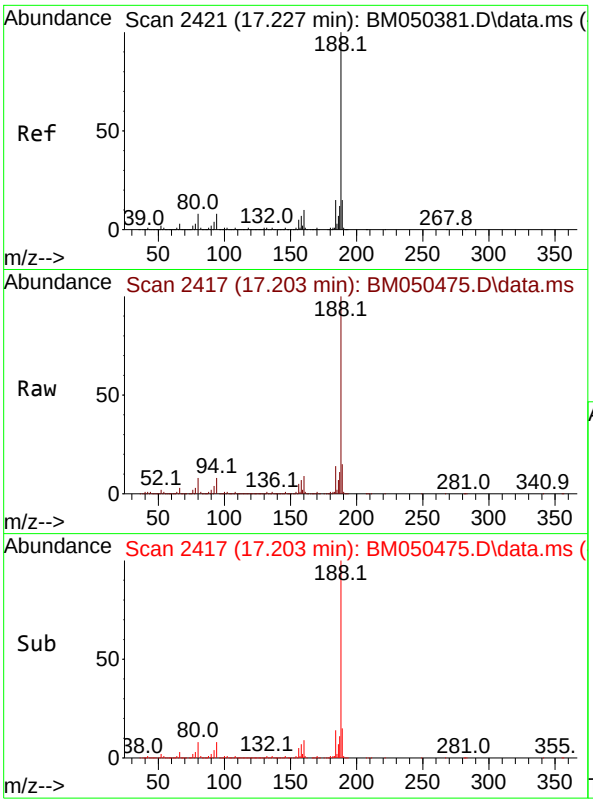




#45
2-Fluorobiphenyl
Concen: 80.092 ng
RT: 13.098 min Scan# 1719
Delta R.T. -0.006 min
Lab File: BM050475.D
Acq: 17 Jul 2025 14:57

Tgt Ion:172 Resp: 7037234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.9 | 27.7 | 41.5 |
| 170 | 23.6 | 18.8 | 28.2 |



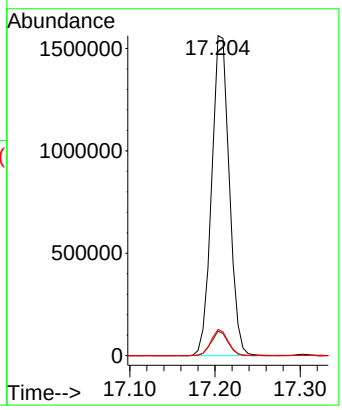


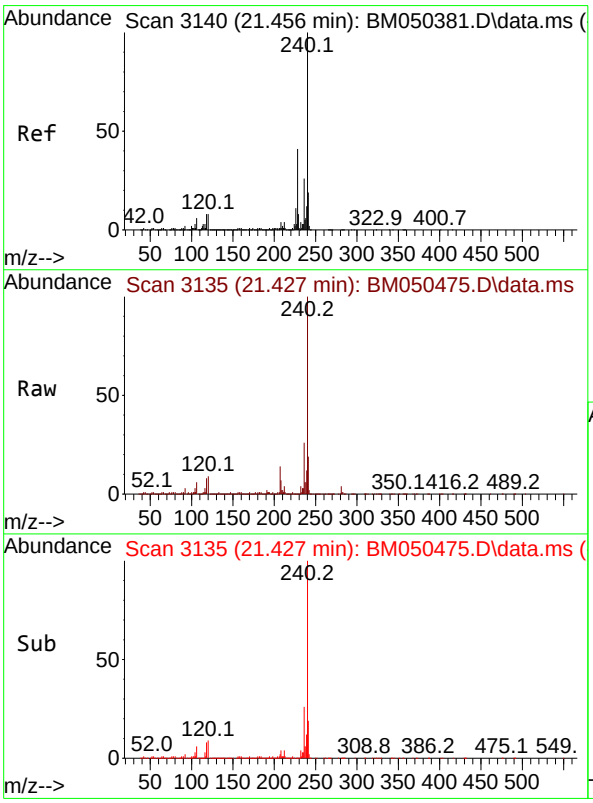

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.203 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050475.D
Acq: 17 Jul 2025 14:57

**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BL

Tgt Ion:188 Resp: 2246799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.7 | 6.0 | 9.0 |
| 80 | 8.2 | 6.5 | 9.7 |

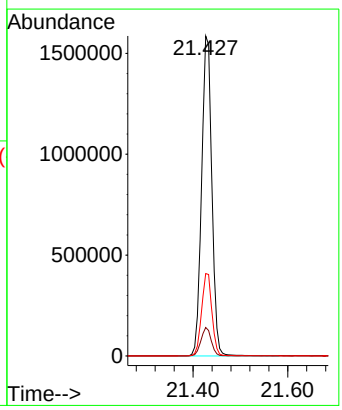


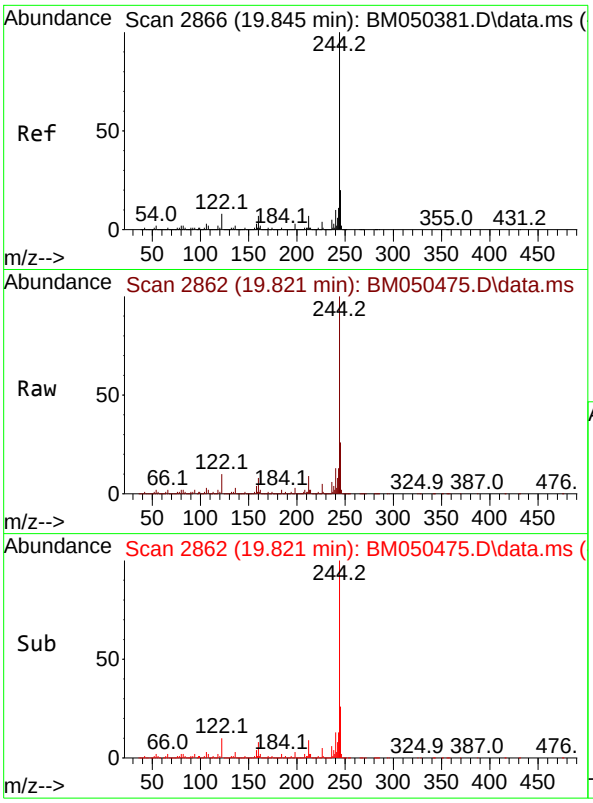




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3135
Delta R.T. -0.006 min
Lab File: BM050475.D
Acq: 17 Jul 2025 14:57

Tgt Ion:240 Resp: 2374390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.9 | 6.7 | 10.1 |
| 236 | 25.7 | 20.7 | 31.1 |



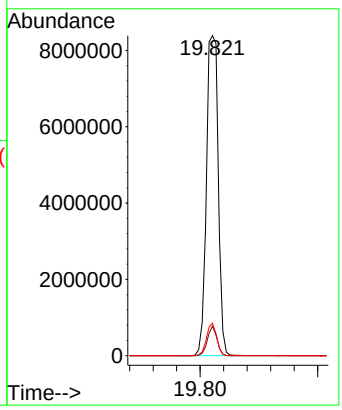


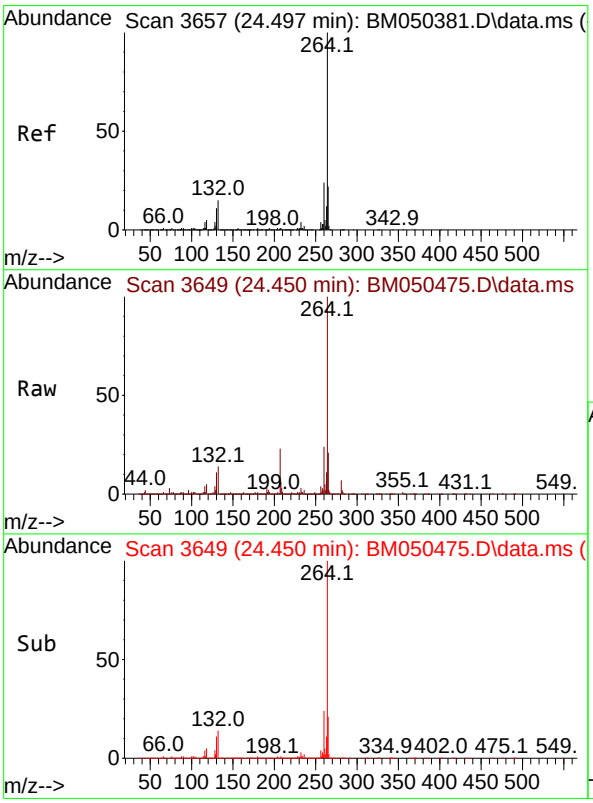

#79
Terphenyl-d14
Concen: 86.612 ng
RT: 19.821 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050475.D
Acq: 17 Jul 2025 14:57

**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BL

Tgt Ion:244 Resp:11688353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.2 | 5.7 | 8.5# |
| 122 | 10.2 | 6.2 | 9.2# |

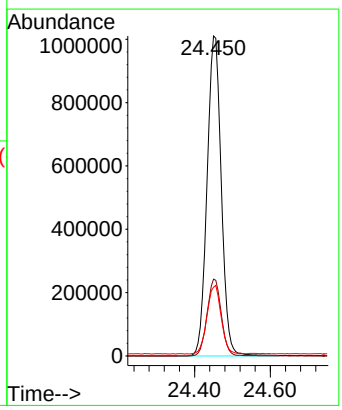



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.450 min Scan# 3649
Delta R.T. -0.006 min
Lab File: BM050475.D
Acq: 17 Jul 2025 14:57

Tgt Ion:264 Resp: 2623122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.0 | 19.2 | 28.8 |
| 265 | 21.5 | 17.8 | 26.6 |



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | PARSONS Engineering of New York, Inc. | Date Collected: | |
| Project: | Con Edison - East River Site 2 | Date Received: | |
| Client Sample ID: | PB168885BS | SDG No.: | Q2592 |
| Lab Sample ID: | PB168885BS | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050476.D | 1 | 07/16/25 10:14 | 07/17/25 15:57 | PB168885 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 110-86-1 | Pyridine | 39.1 | | 1.30 | 5.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 43.0 | | 0.53 | 5.00 | ug/L |
| 95-48-7 | 2-Methylphenol | 47.4 | | 1.10 | 5.00 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 47.8 | | 1.10 | 10.0 | ug/L |
| 67-72-1 | Hexachloroethane | 43.1 | | 0.65 | 5.00 | ug/L |
| 98-95-3 | Nitrobenzene | 44.3 | | 0.76 | 5.00 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 44.8 | | 0.54 | 5.00 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 50.9 | | 0.51 | 5.00 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 51.7 | | 0.62 | 5.00 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 49.2 | | 1.20 | 5.00 | ug/L |
| 118-74-1 | Hexachlorobenzene | 47.8 | | 0.52 | 5.00 | ug/L |
| 87-86-5 | Pentachlorophenol | 110 | E | 1.60 | 10.0 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 129 | | 23 - 138 | 86% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 130 | | 10 - 134 | 87% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 76.8 | | 67 - 132 | 77% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 73.5 | | 52 - 132 | 74% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 150 | | 44 - 137 | 100% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 76.8 | | 42 - 152 | 77% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 516000 | 7.846 | | | |
| 1146-65-2 | Naphthalene-d8 | 1950000 | 10.64 | | | |
| 15067-26-2 | Acenaphthene-d10 | 1310000 | 14.475 | | | |
| 1517-22-2 | Phenanthrene-d10 | 2580000 | 17.21 | | | |
| 1719-03-5 | Chrysene-d12 | 2740000 | 21.433 | | | |
| 1520-96-3 | Perylene-d12 | 2910000 | 24.462 | | | |

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | PARSONS Engineering of New York, Inc. | | | Date Collected: | |
| Project: | Con Edison - East River Site 2 | | | Date Received: | |
| Client Sample ID: | PB168885BS | | | SDG No.: | Q2592 |
| Lab Sample ID: | PB168885BS | | | Matrix: | TCLP |
| Analytical Method: | 8270E | | | % Solid: | 0 |
| Sample Wt/Vol: | 1000 | Units: | mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | TCLP BNA |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050476.D | 1 | 07/16/25 10:14 | 07/17/25 15:57 | PB168885 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050476.D
Acq On : 17 Jul 2025 15:57
Operator : RC/JU
Sample : PB168885BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 17 16:34:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BS

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.846 | 152 | 516385 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.640 | 136 | 1948201 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.475 | 164 | 1313335 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.210 | 188 | 2583210 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.433 | 240 | 2737581 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.462 | 264 | 2912638 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.428 | 112 | 3884146 | 129.474 | ng | 0.00 |
| 7) Phenol-d6 | 7.016 | 99 | 4920980 | 130.124 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.999 | 82 | 2933678 | 76.825 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.957 | 330 | 2389558 | 149.748 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.104 | 172 | 7818506 | 73.518 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.821 | 244 | 11945436 | 76.774 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.323 | 88 | 454197 | 36.819 | ng | 99 |
| 3) Pyridine | 3.723 | 79 | 1265501 | 39.076 | ng | 96 |
| 4) n-Nitrosodimethylamine | 3.623 | 42 | 621168 | 41.142 | ng | 94 |
| 6) Aniline | 7.169 | 93 | 1735247 | 35.754 | ng | 99 |
| 8) 2-Chlorophenol | 7.411 | 128 | 1529899 | 48.364 | ng | 97 |
| 9) Benzaldehyde | 6.981 | 77 | 881142 | 39.168 | ng | 98 |
| 10) Phenol | 7.040 | 94 | 1875951 | 47.560 | ng | 98 |
| 11) bis(2-Chloroethyl)ether | 7.269 | 93 | 1376341 | 43.571 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 7.740 | 146 | 1664239 | 43.267 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 7.881 | 146 | 1688340 | 42.987 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.199 | 146 | 1629704 | 43.341 | ng | 99 |
| 15) Benzyl Alcohol | 8.081 | 79 | 1243011 | 46.649 | ng | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.375 | 45 | 1935814 | 41.604 | ng | 98 |
| 17) 2-Methylphenol | 8.287 | 107 | 1212327 | 47.389 | ng | 98 |
| 18) Hexachloroethane | 8.928 | 117 | 595451 | 43.108 | ng | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.652 | 70 | 1038896 | 45.347 | ng | 95 |
| 20) 3+4-Methylphenols | 8.610 | 107 | 1642016 | 47.812 | ng | 98 |
| 22) Acetophenone | 8.663 | 105 | 2120698 | 43.537 | ng | 98 |
| 24) Nitrobenzene | 9.046 | 77 | 1509739 | 44.305 | ng | 97 |
| 25) Isophorone | 9.575 | 82 | 2814614 | 45.423 | ng | 99 |
| 26) 2-Nitrophenol | 9.752 | 139 | 783921 | 56.446 | ng | 96 |
| 27) 2,4-Dimethylphenol | 9.816 | 122 | 1430792 | 48.416 | ng | 96 |
| 28) bis(2-Chloroethoxy)met... | 10.052 | 93 | 1838156 | 44.768 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.287 | 162 | 1541348 | 50.768 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.504 | 180 | 1645152 | 45.296 | ng | 99 |
| 31) Naphthalene | 10.693 | 128 | 4347399 | 43.933 | ng | 99 |
| 32) Benzoic acid | 9.946 | 122 | 1030936 | 55.734 | ng | 98 |
| 33) 4-Chloroaniline | 10.793 | 127 | 1069433 | 25.564 | ng | 99 |
| 34) Hexachlorobutadiene | 10.987 | 225 | 993212 | 44.805 | ng | 98 |
| 35) Caprolactam | 11.575 | 113 | 440167m | 53.108 | ng | |
| 36) 4-Chloro-3-methylphenol | 11.922 | 107 | 1449850 | 51.138 | ng | 97 |
| 37) 2-Methylnaphthalene | 12.298 | 142 | 2906964 | 46.526 | ng | 98 |
| 38) 1-Methylnaphthalene | 12.522 | 142 | 3047148 | 46.083 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.669 | 216 | 1909685 | 45.724 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 12.657 | 237 | 2610418 | 97.780 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 12.910 | 196 | 1309524 | 50.938 | ng | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050476.D
Acq On : 17 Jul 2025 15:57
Operator : RC/JU
Sample : PB168885BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 17 16:34:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BS

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.981 | 196 | 1450386 | 51.658 | ng | | 96 |
| 46) 1,1'-Biphenyl | 13.310 | 154 | 4317725 | 44.311 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.351 | 162 | 3405944 | 43.840 | ng | | 99 |
| 48) 2-Nitroaniline | 13.545 | 65 | 887681 | 51.189 | ng | | 95 |
| 49) Acenaphthylene | 14.198 | 152 | 5316054 | 45.277 | ng | | 99 |
| 50) Dimethylphthalate | 13.934 | 163 | 4214908 | 46.615 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.045 | 165 | 898217 | 51.738 | ng | | 93 |
| 52) Acenaphthene | 14.539 | 154 | 3220488 | 43.143 | ng | | 99 |
| 53) 3-Nitroaniline | 14.369 | 138 | 652608 | 35.347 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 14.575 | 184 | 1152712 | 117.097 | ng | # | 82 |
| 55) Dibenzofuran | 14.875 | 168 | 5125414 | 44.563 | ng | | 99 |
| 56) 4-Nitrophenol | 14.681 | 139 | 1695556 | 106.789 | ng | | 90 |
| 57) 2,4-Dinitrotoluene | 14.828 | 165 | 1281292 | 49.227 | ng | | 95 |
| 58) Fluorene | 15.522 | 166 | 4307700 | 45.471 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.098 | 232 | 1239852 | 52.459 | ng | | 96 |
| 60) Diethylphthalate | 15.292 | 149 | 4040195 | 46.776 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.516 | 204 | 2278500 | 45.997 | ng | | 97 |
| 62) 4-Nitroaniline | 15.528 | 138 | 963365 | 45.527 | ng | | 98 |
| 63) Azobenzene | 15.804 | 77 | 3527371 | 44.475 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.586 | 198 | 751112 | 53.277 | ng | | 92 |
| 66) n-Nitrosodiphenylamine | 15.728 | 169 | 3739335 | 46.260 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.404 | 248 | 1362817 | 47.884 | ng | | 98 |
| 68) Hexachlorobenzene | 16.522 | 284 | 1607982 | 47.836 | ng | | 96 |
| 69) Atrazine | 16.675 | 200 | 1344545 | 50.656 | ng | | 99 |
| 70) Pentachlorophenol | 16.863 | 266 | 2322182 | 110.974 | ng | | 99 |
| 71) Phenanthrene | 17.251 | 178 | 6673853 | 45.657 | ng | | 100 |
| 72) Anthracene | 17.339 | 178 | 6792935 | 46.687 | ng | | 100 |
| 73) Carbazole | 17.604 | 167 | 6198421 | 47.082 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.175 | 149 | 7010527 | 48.651 | ng | | 99 |
| 75) Fluoranthene | 19.257 | 202 | 7831040 | 49.281 | ng | | 99 |
| 77) Benzidine | 19.439 | 184 | 4729264 | 67.729 | ng | | 100 |
| 78) Pyrene | 19.622 | 202 | 8190535 | 46.715 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.516 | 149 | 3188686 | 55.157 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.416 | 228 | 8453985 | 47.395 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.339 | 252 | 2023008 | 33.631 | ng | | 99 |
| 83) Chrysene | 21.480 | 228 | 7878393 | 46.827 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.345 | 149 | 4719847 | 51.429 | ng | | 97 |
| 85) Di-n-octyl phthalate | 22.486 | 149 | 8099632 | 56.350 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 27.886 | 276 | 10292650 | 49.702 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 23.504 | 252 | 8457217 | 47.206 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.568 | 252 | 8421352 | 45.301 | ng | | 100 |
| 90) Benzo(a)pyrene | 24.321 | 252 | 8126766 | 48.457 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 27.944 | 278 | 8579014 | 49.191 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 28.950 | 276 | 8216926 | 49.851 | ng | | 98 |

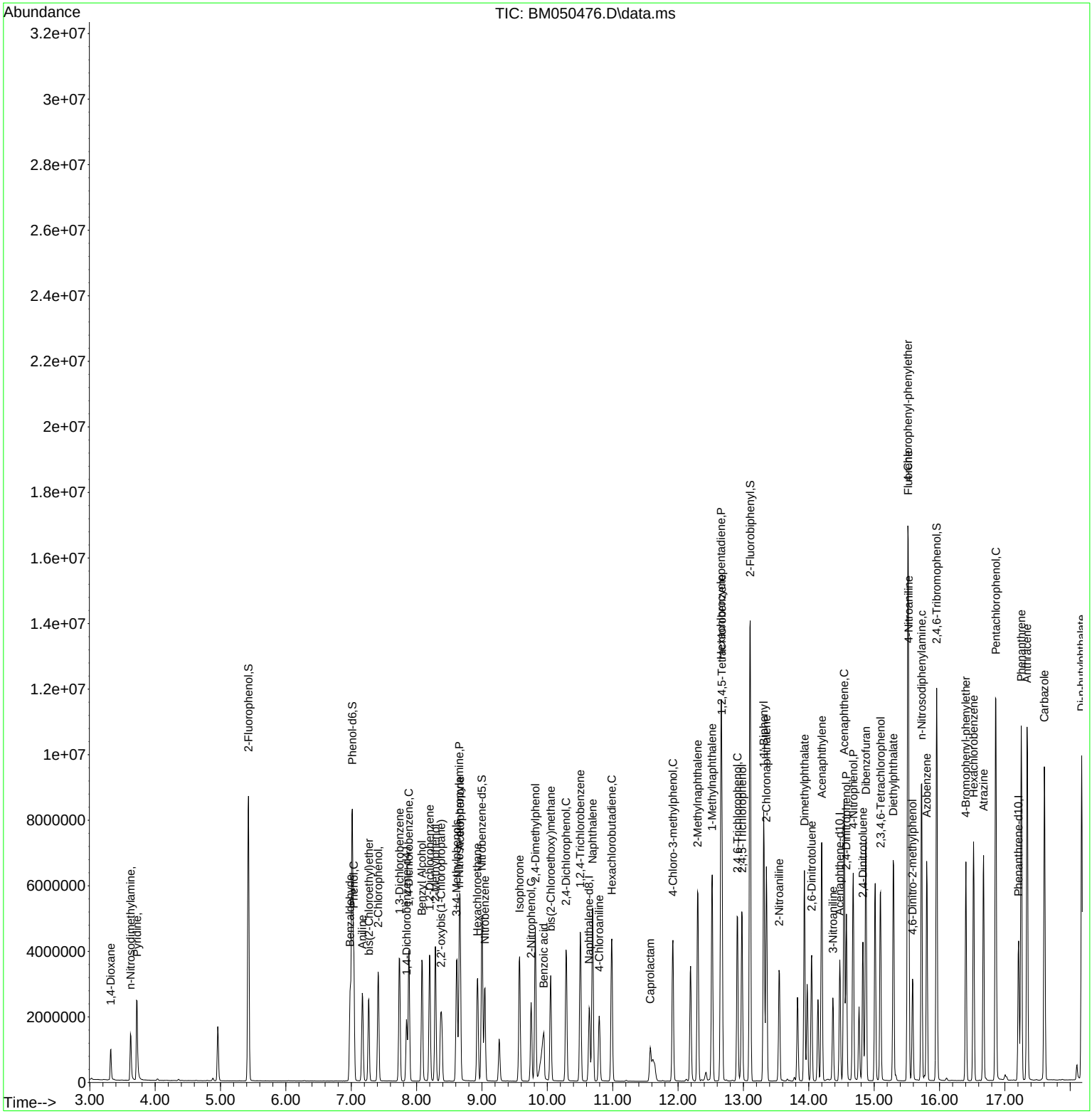
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050476.D
Acq On : 17 Jul 2025 15:57
Operator : RC/JU
Sample : PB168885BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 17 16:34:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BS

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

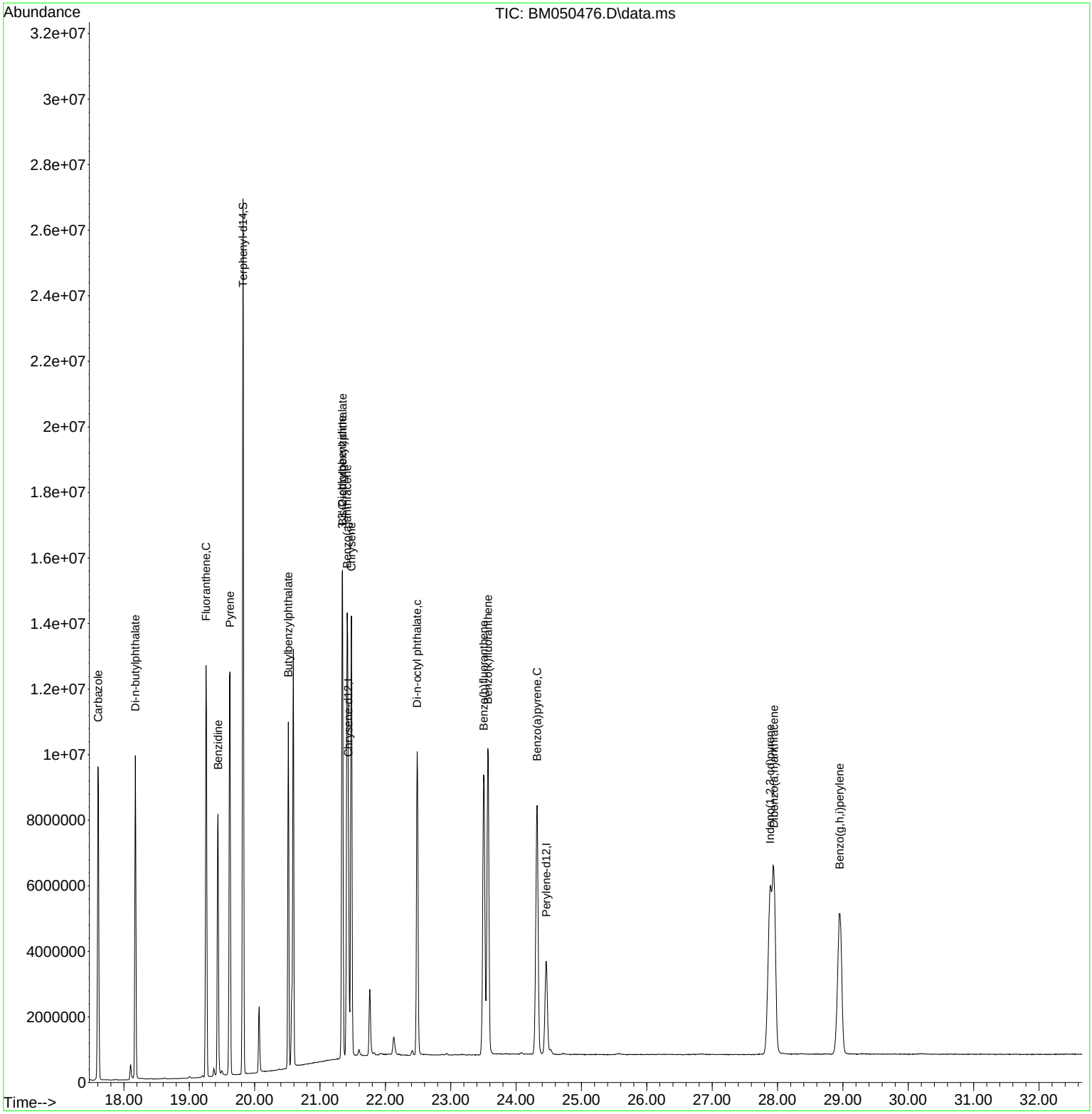


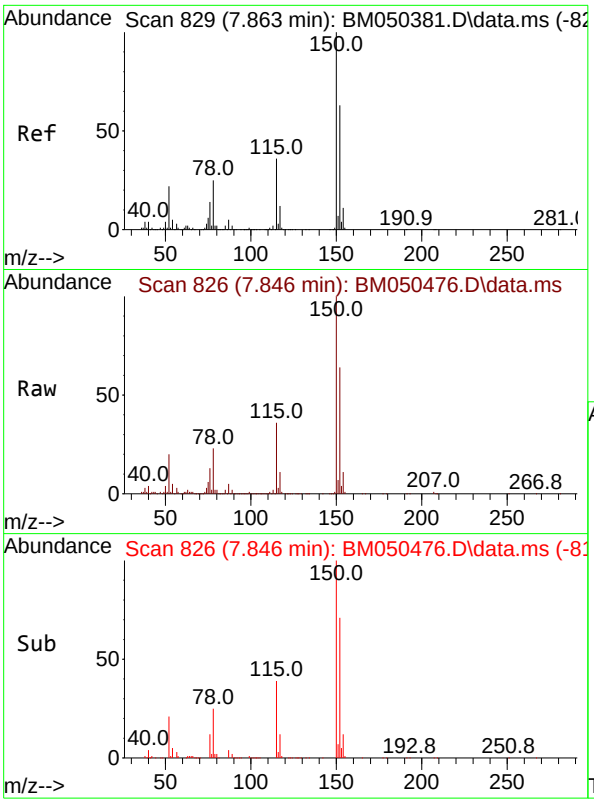
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050476.D
Acq On : 17 Jul 2025 15:57
Operator : RC/JU
Sample : PB168885BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 17 16:34:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BS

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

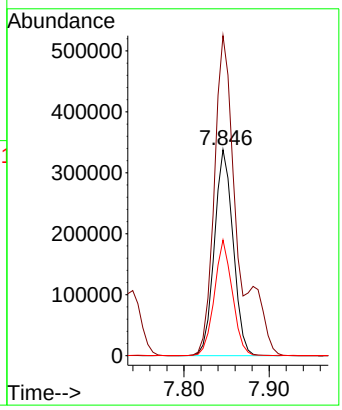





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.846 min Scan# 8
Delta R.T. -0.005 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:152 Resp: 51638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.4 | 126.2 | 189.4 |
| 115 | 56.2 | 45.8 | 68.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BS

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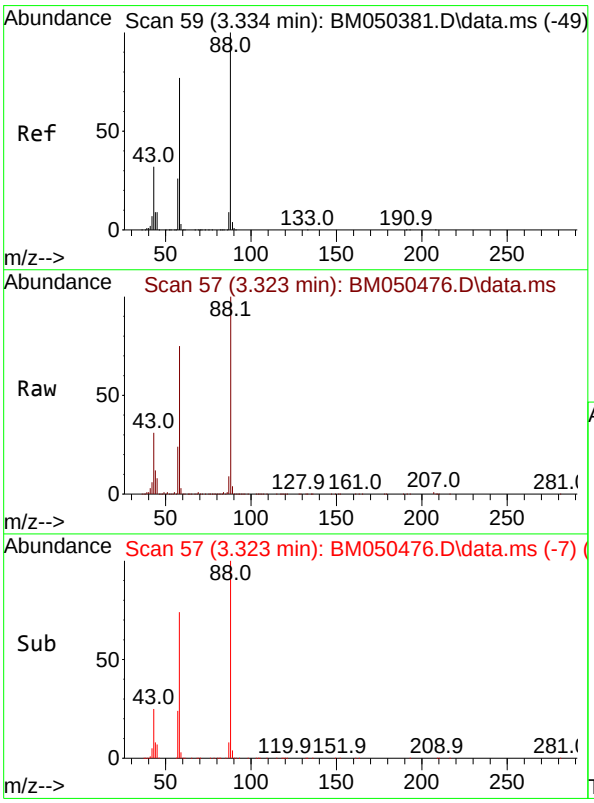
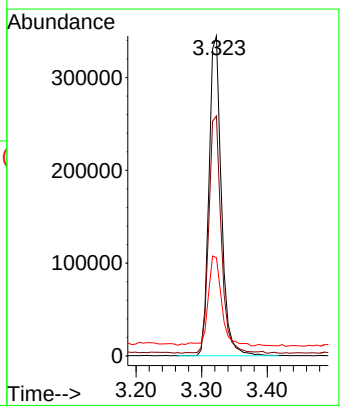
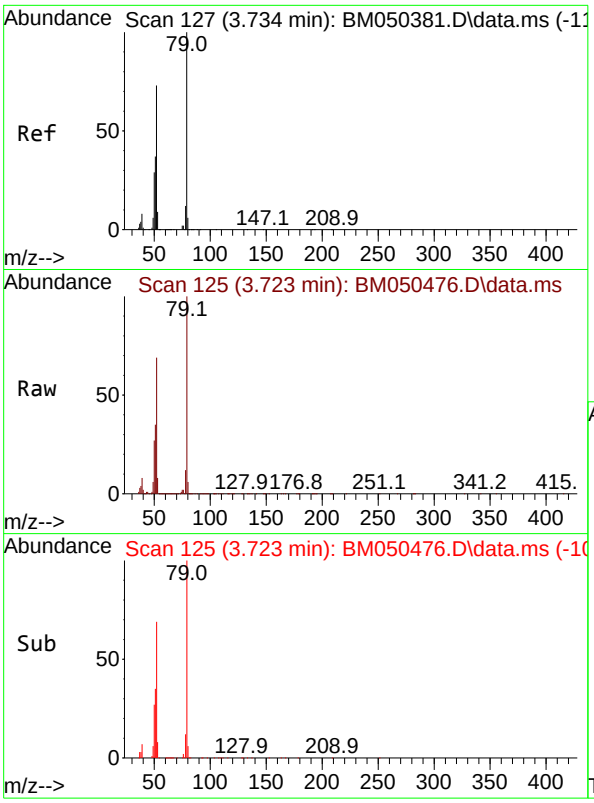



#2
1,4-Dioxane
Concen: 36.819 ng
RT: 3.323 min Scan# 57
Delta R.T. -0.005 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion: 88 Resp: 454197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 75.3 | 61.0 | 91.6 |
| 43 | 30.0 | 24.6 | 37.0 |

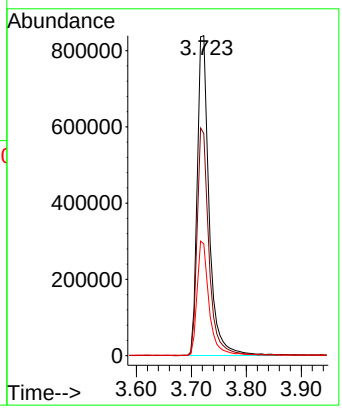





#3
Pyridine
Concen: 39.076 ng
RT: 3.723 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion: 79 Resp: 126550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 69.5 | 58.3 | 87.5 |
| 51 | 35.0 | 29.6 | 44.4 |

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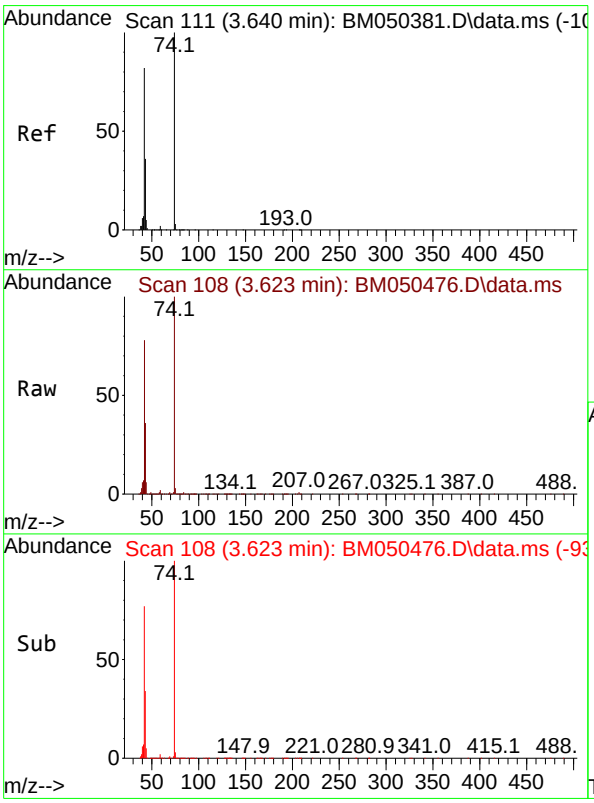
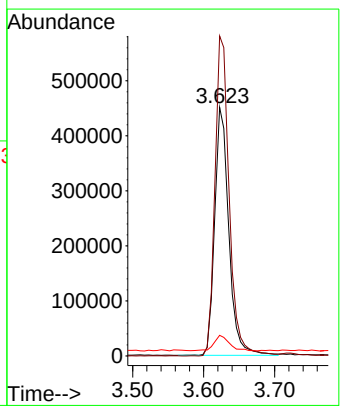
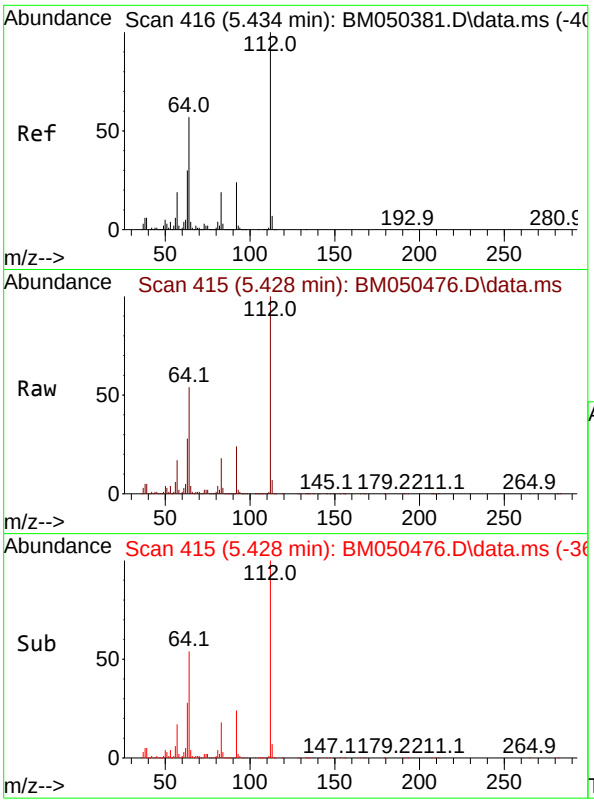



#4
n-Nitrosodimethylamine
Concen: 41.142 ng
RT: 3.623 min Scan# 108
Delta R.T. -0.011 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion: 42 Resp: 621168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 128.7 | 97.5 | 146.3 |
| 44 | 8.3 | 5.7 | 8.5 |

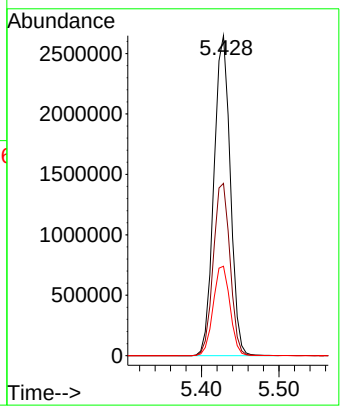





#5
2-Fluorophenol
Concen: 129.474 ng
RT: 5.428 min Scan# 41
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:112 Resp: 388414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.8 | 45.5 | 68.3 |
| 63 | 28.0 | 24.2 | 36.4 |




**Instrument :**
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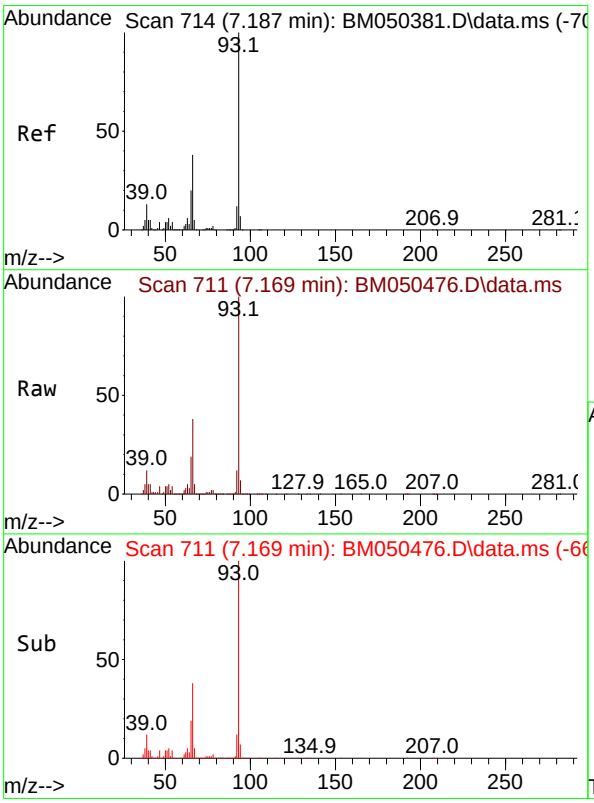
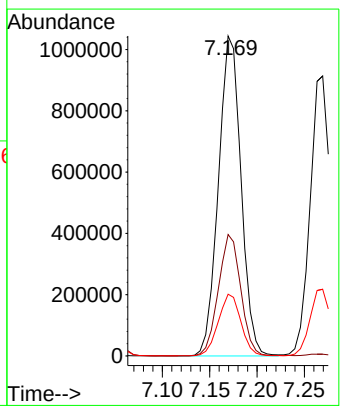
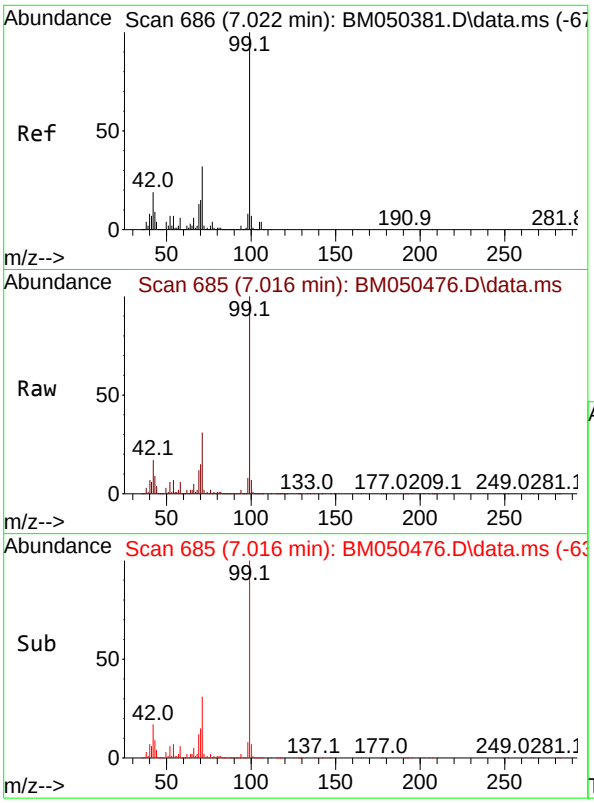



#6
Aniline
Concen: 35.754 ng
RT: 7.169 min Scan# 711
Delta R.T. -0.005 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion: 93 Resp: 1735247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 37.9 | 30.5 | 45.7 |
| 65 | 19.3 | 15.9 | 23.9 |

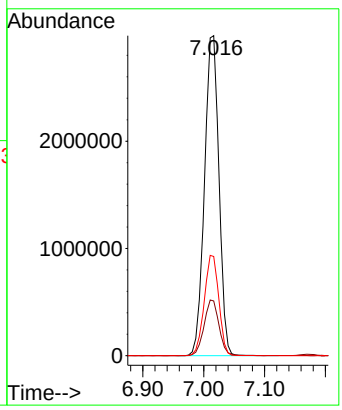





#7
Phenol-d6
Concen: 130.124 ng
RT: 7.016 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion: 99 Resp: 492098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.1 | 15.0 | 22.6 |
| 71 | 31.0 | 25.9 | 38.9 |




**Instrument :**
BNA_M
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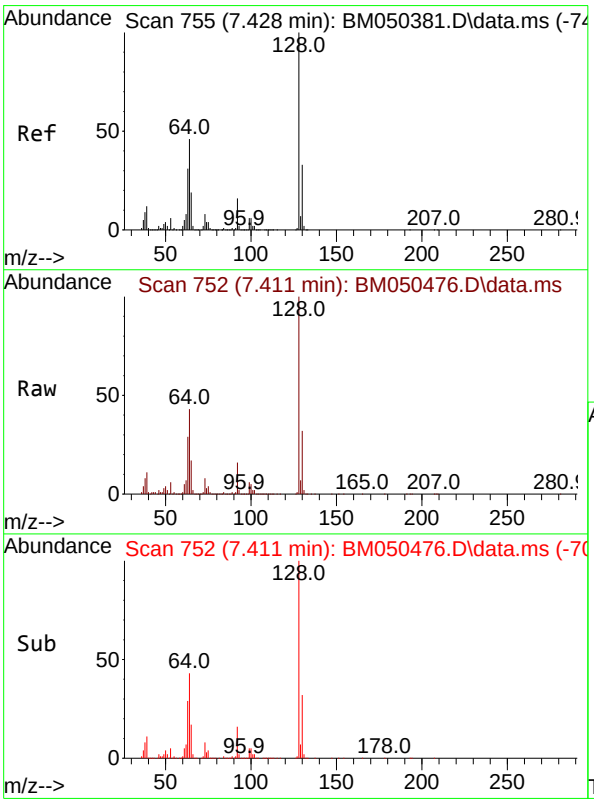
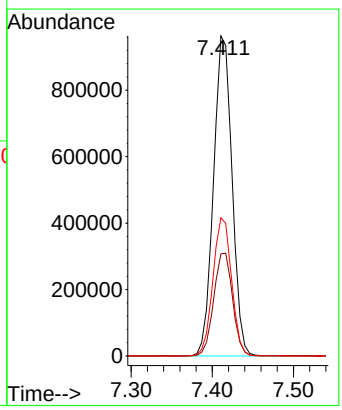
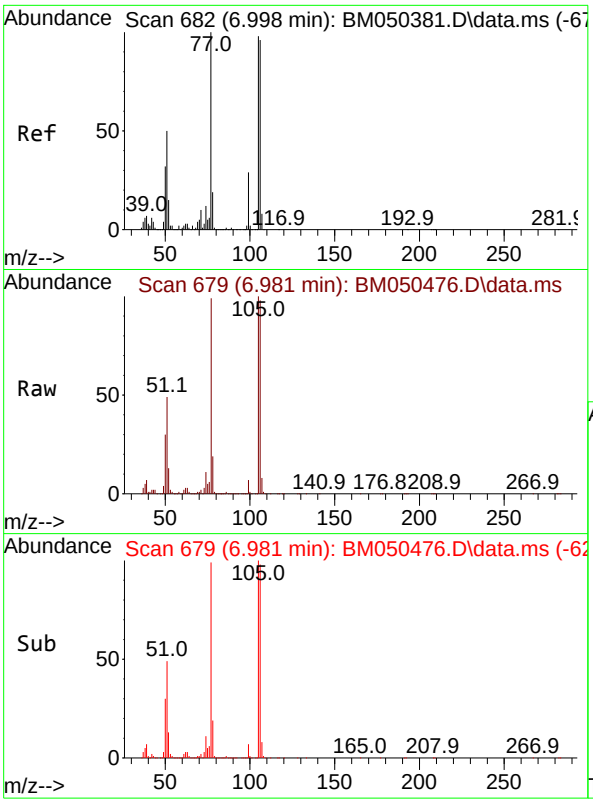



#8
2-Chlorophenol
Concen: 48.364 ng
RT: 7.411 min Scan# 752
Delta R.T. -0.005 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:128 Resp: 1529899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 31.9 | 13.3 | 53.3 |
| 64 | 43.2 | 25.6 | 65.6 |

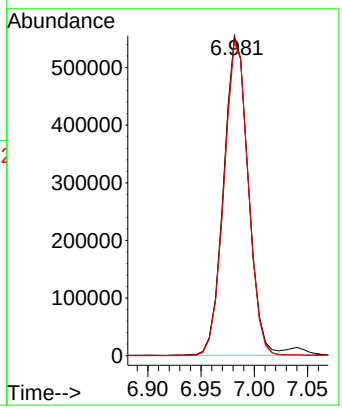





#9
Benzaldehyde
Concen: 39.168 ng
RT: 6.981 min Scan# 6
Delta R.T. -0.005 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion: 77 Resp: 88114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 100.6 | 78.4 | 118.4 |
| 106 | 98.6 | 76.3 | 116.3 |




**Instrument :**
BNA_M
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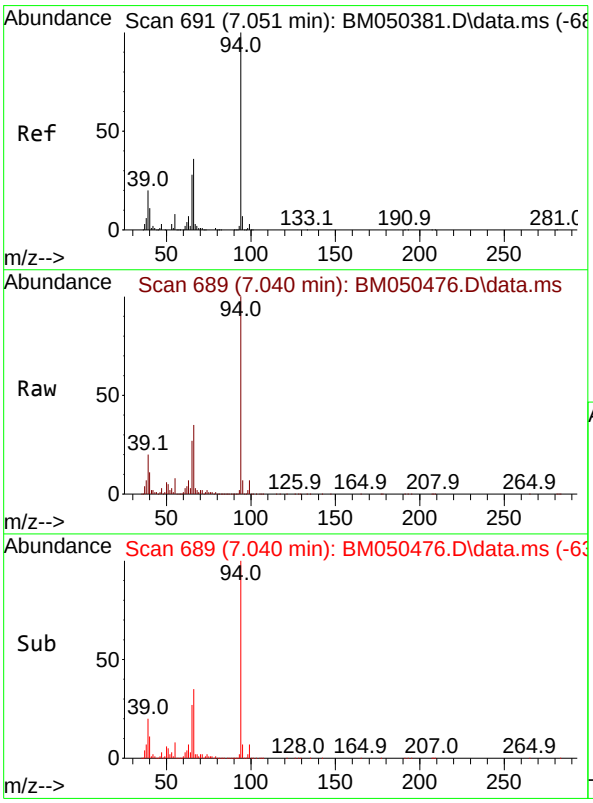
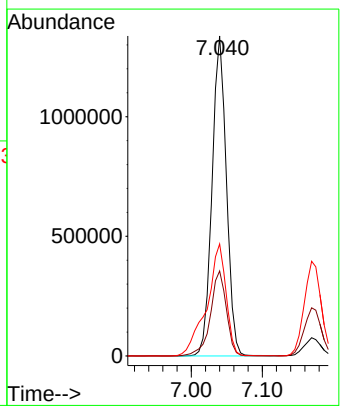
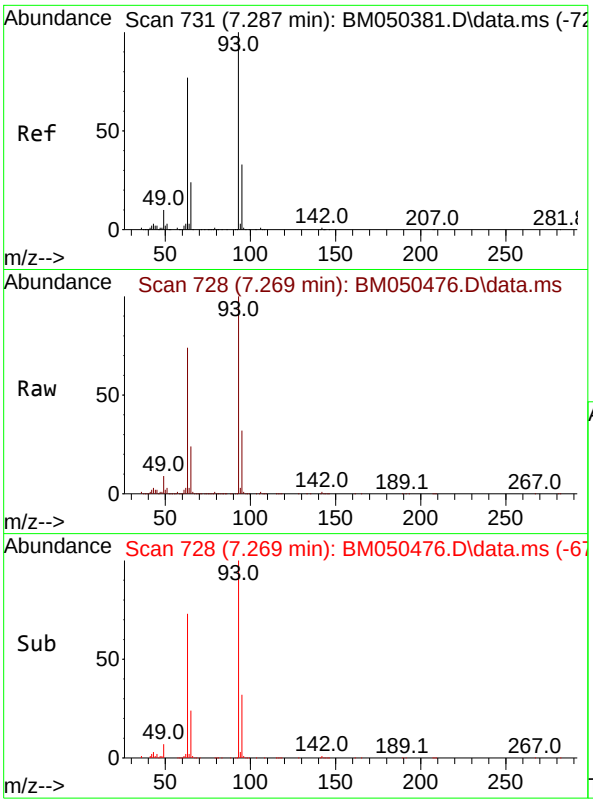



#10
Phenol
Concen: 47.560 ng
RT: 7.040 min Scan# 689
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion: 94 Resp: 1875951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 26.6 | 8.1 | 48.1 |
| 66 | 35.0 | 15.8 | 55.8 |

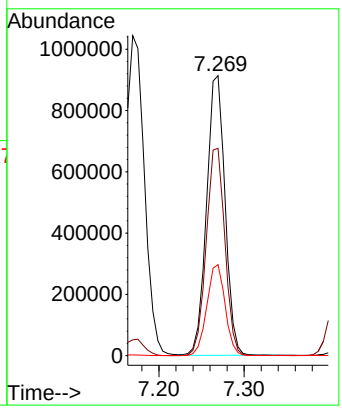





#11
bis(2-Chloroethyl)ether
Concen: 43.571 ng
RT: 7.269 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion: 93 Resp: 137634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 74.1 | 56.9 | 96.9 |
| 95 | 32.5 | 12.6 | 52.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
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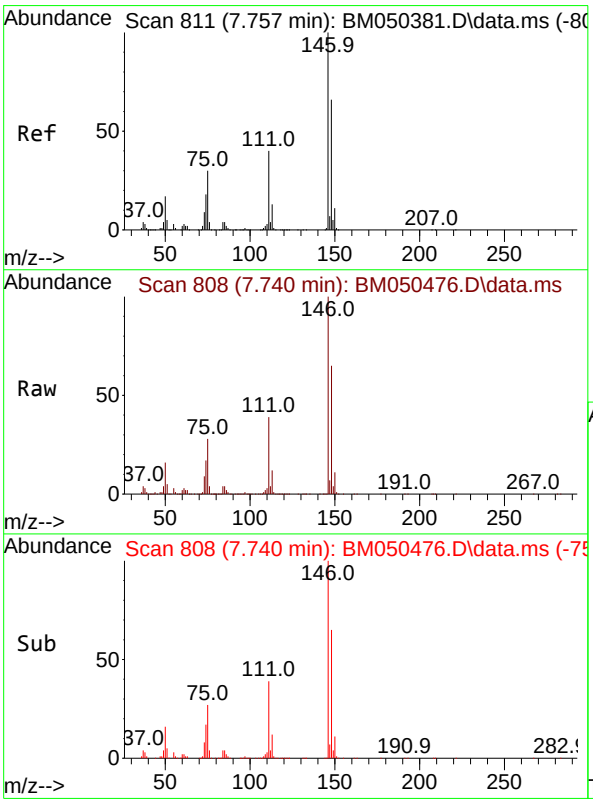
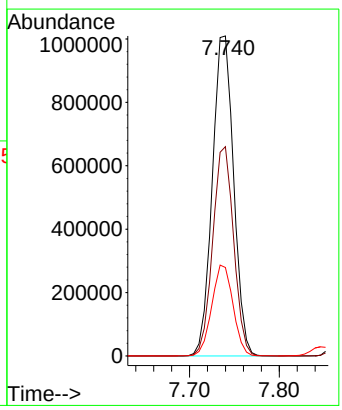
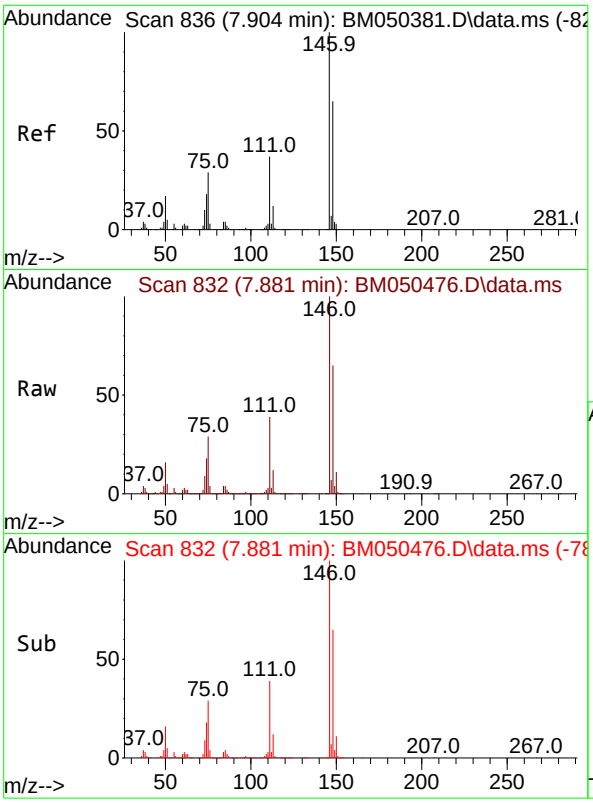



#12
1,3-Dichlorobenzene
Concen: 43.267 ng
RT: 7.740 min Scan# 808
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:146 Resp: 1664239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.4 | 53.2 | 79.8 |
| 75 | 27.6 | 23.9 | 35.9 |

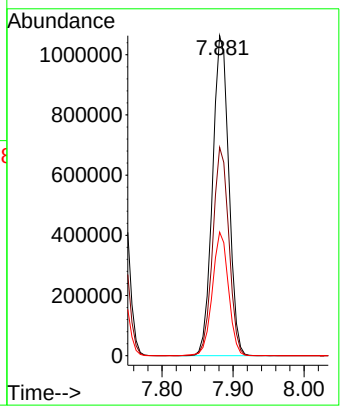





#13
1,4-Dichlorobenzene
Concen: 42.987 ng
RT: 7.881 min Scan# 8
Delta R.T. -0.005 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:146 Resp: 168834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.1 | 51.9 | 77.9 |
| 111 | 38.6 | 30.0 | 45.0 |

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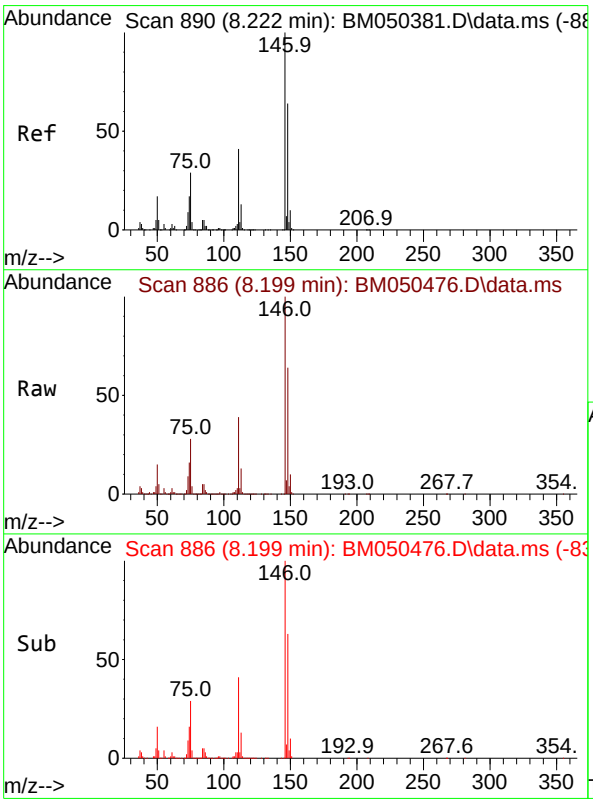
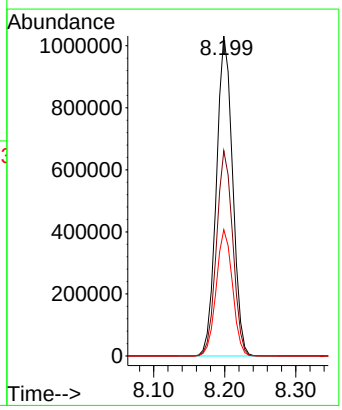
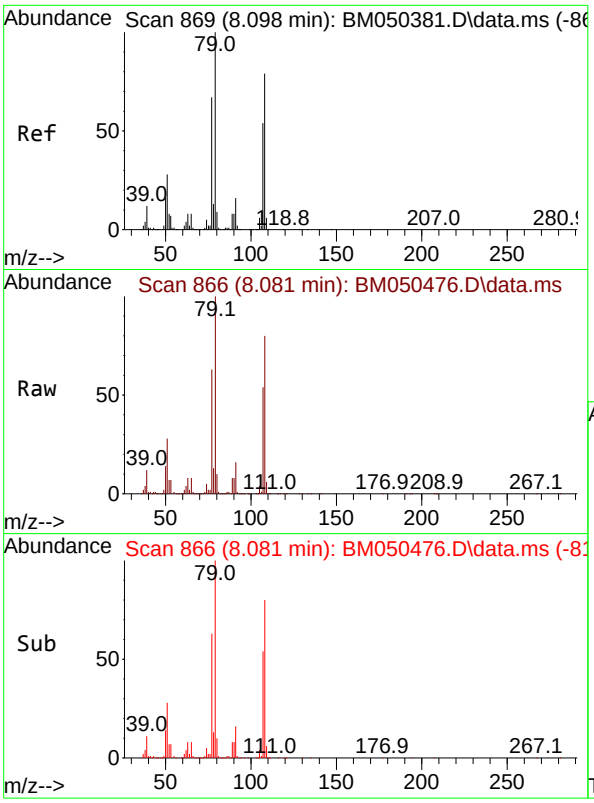



#14
1,2-Dichlorobenzene
Concen: 43.341 ng
RT: 8.199 min Scan# 886
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:146 Resp: 1629704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.5 | 77.3 |
| 111 | 39.5 | 32.6 | 49.0 |






#15
Benzyl Alcohol
Concen: 46.649 ng
RT: 8.081 min Scan# 8
Delta R.T. -0.005 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion: 79 Resp: 124301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 80.0 | 63.0 | 94.4 |
| 77 | 63.4 | 53.4 | 80.0 |

**Instrument :**
BNA_M
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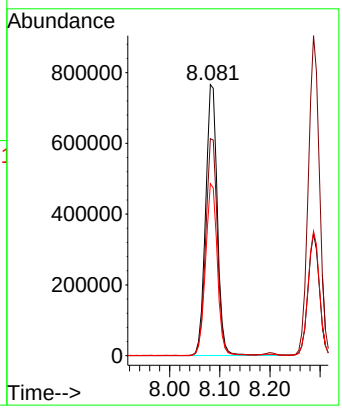
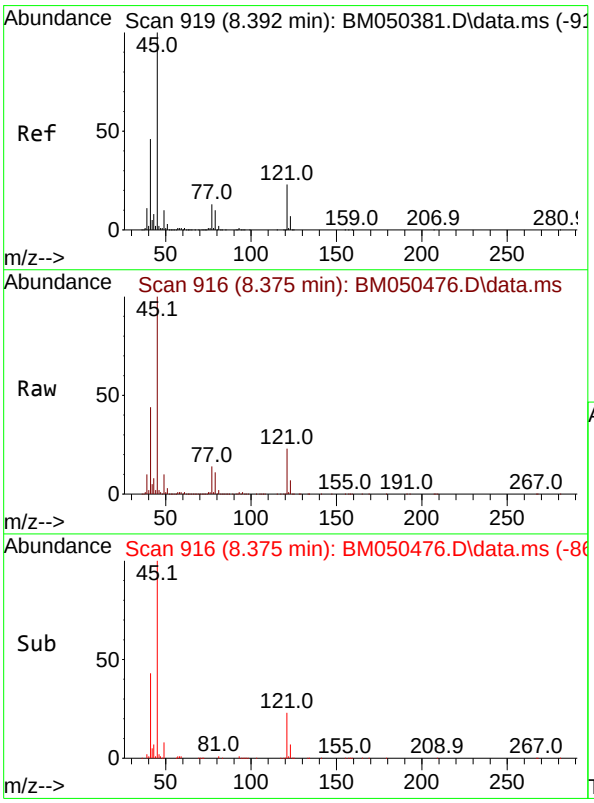
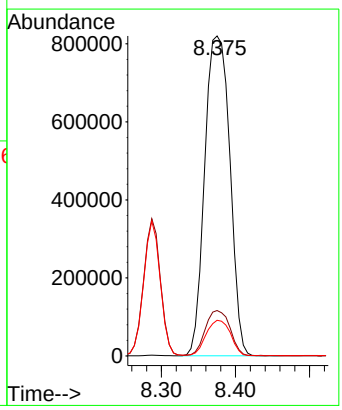


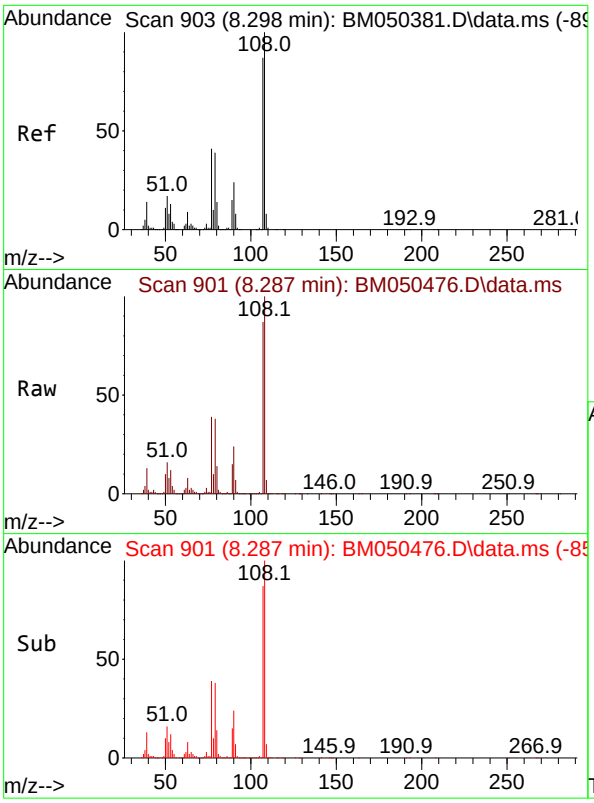




#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.604 ng
RT: 8.375 min Scan# 916
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion: 45 Resp: 1935814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 14.2 | 0.0 | 33.5 |
| 79 | 11.2 | 0.0 | 30.3 |

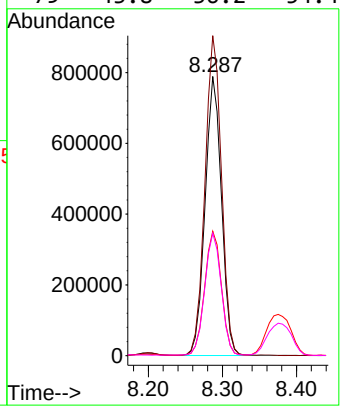





#17
2-Methylphenol
Concen: 47.389 ng
RT: 8.287 min Scan# 9(
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:107 Resp: 121232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.6 | 92.1 | 138.1 |
| 77 | 44.6 | 38.2 | 57.4 |
| 79 | 43.8 | 36.2 | 54.4 |

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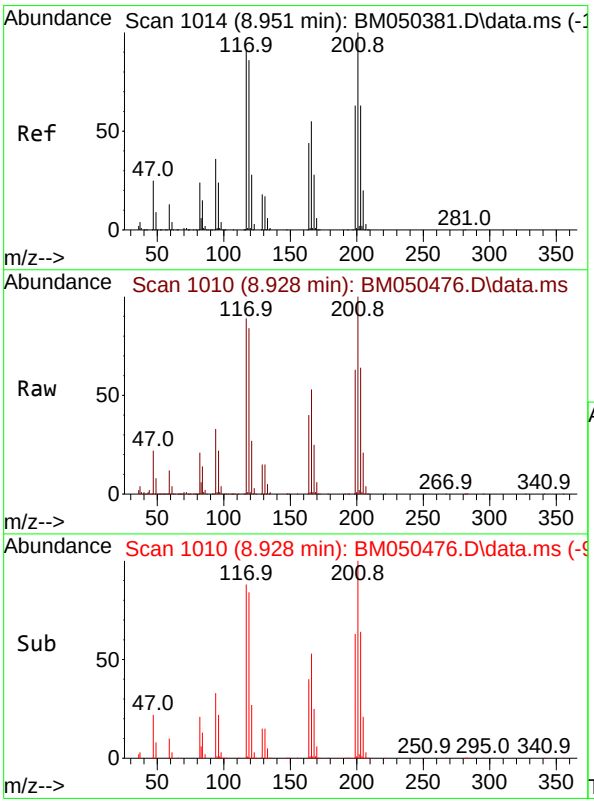
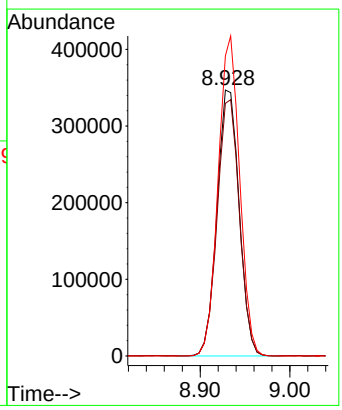
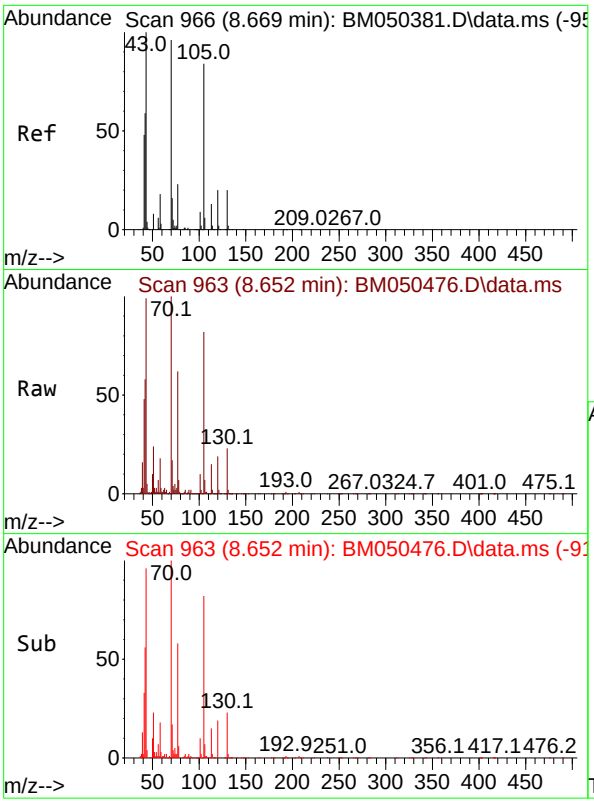



#18
Hexachloroethane
Concen: 43.108 ng
RT: 8.928 min Scan# 1010
Delta R.T. -0.005 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:117 Resp: 595451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.0 | 75.6 | 113.4 |
| 201 | 112.9 | 87.9 | 131.9 |

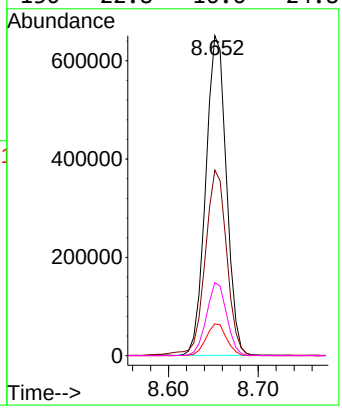





#19
n-Nitroso-di-n-propylamine
Concen: 45.347 ng
RT: 8.652 min Scan# 9(
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion: 70 Resp: 103889(

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 57.9 | 49.7 | 74.5 |
| 101 | 10.0 | 7.7 | 11.5 |
| 130 | 22.8 | 16.6 | 24.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BS

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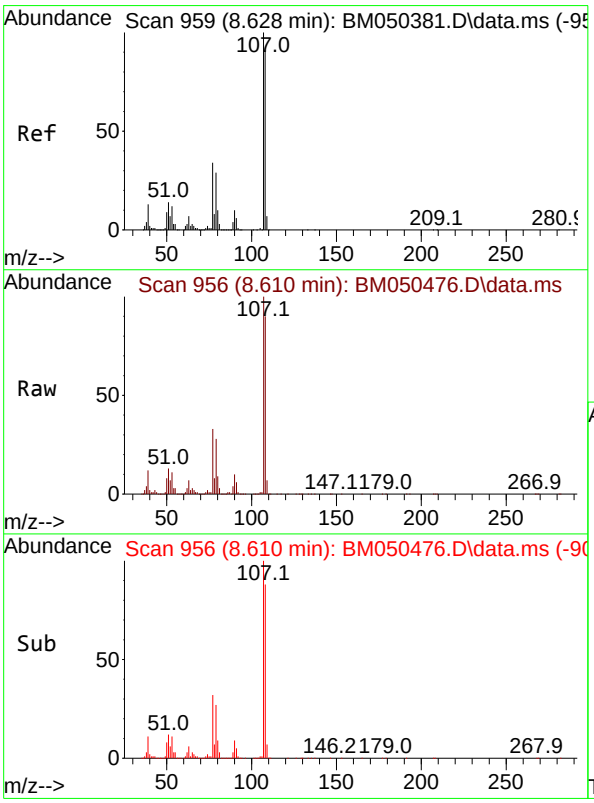
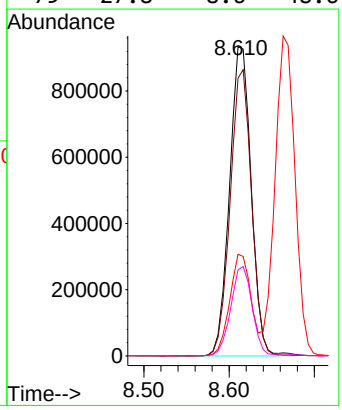
Supervised By :Jagrut Upadhyay 07/18/2025

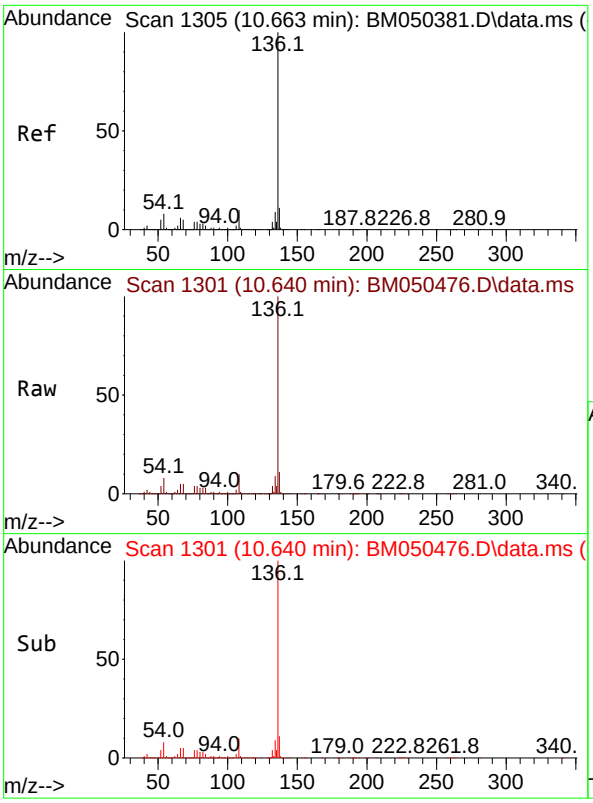



#20
3+4-Methylphenols
Concen: 47.812 ng
RT: 8.610 min Scan# 956
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:107 Resp: 1642016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.8 | 71.5 | 111.5 |
| 77 | 32.9 | 13.7 | 53.7 |
| 79 | 27.8 | 8.6 | 48.6 |

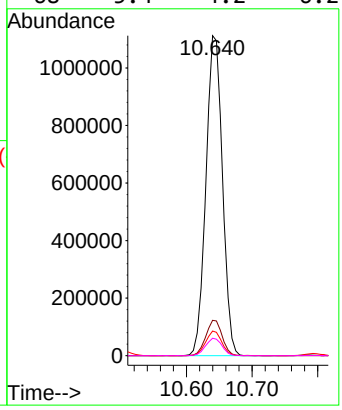





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.640 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:136 Resp: 194820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.8 | 13.2 |
| 54 | 7.7 | 6.3 | 9.5 |
| 68 | 5.4 | 4.2 | 6.2 |

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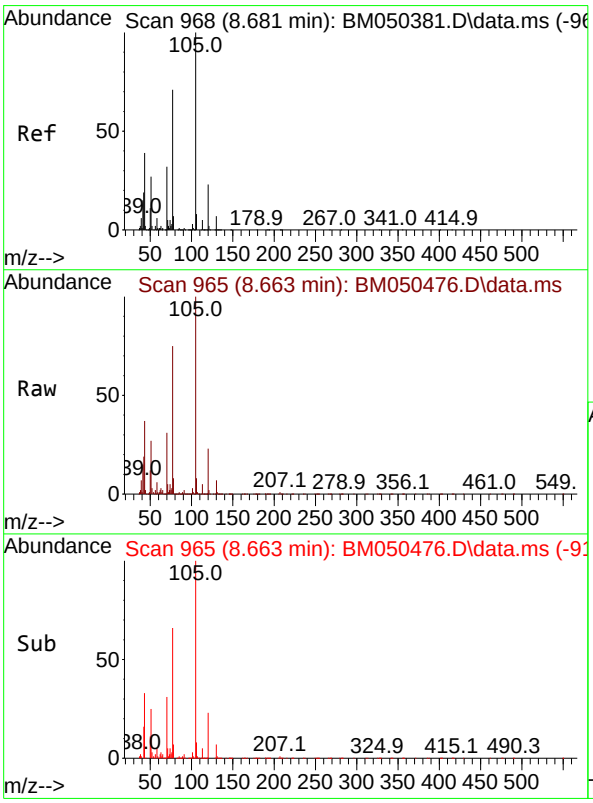
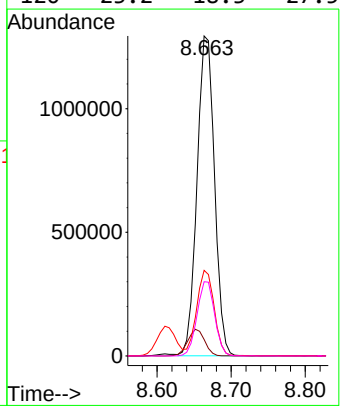
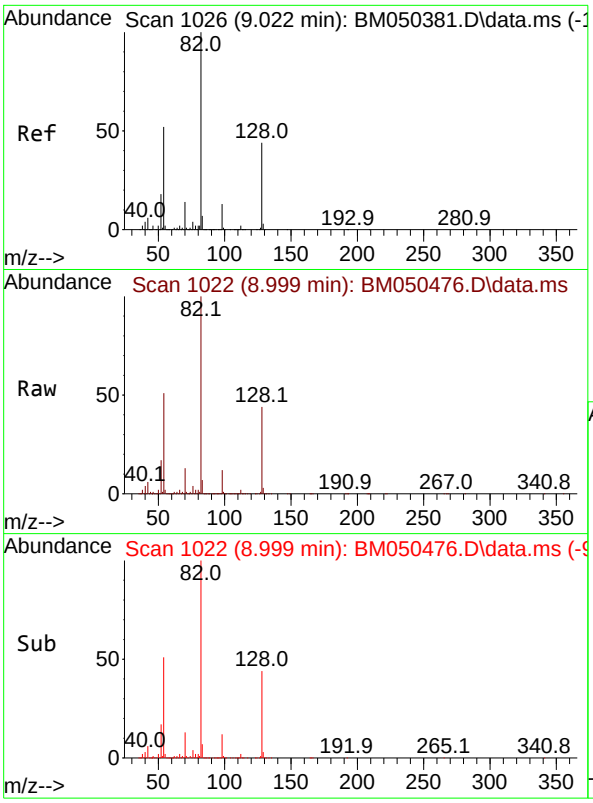



#22
Acetophenone
Concen: 43.537 ng
RT: 8.663 min Scan# 965
Delta R.T. -0.005 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:105 Resp: 2120698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 5.1 | 4.4 | 6.6 |
| 51 | 26.8 | 23.0 | 34.6 |
| 120 | 23.2 | 18.3 | 27.5 |

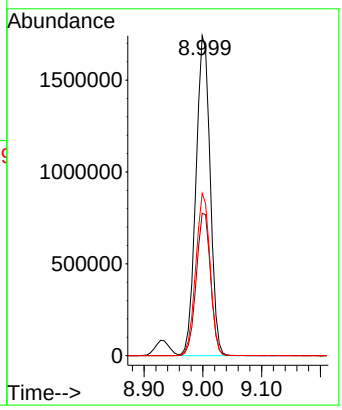





#23
Nitrobenzene-d5
Concen: 76.825 ng
RT: 8.999 min Scan# 1(
Delta R.T. -0.005 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion: 82 Resp: 293367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.5 | 35.2 | 52.8 |
| 54 | 50.7 | 41.5 | 62.3 |

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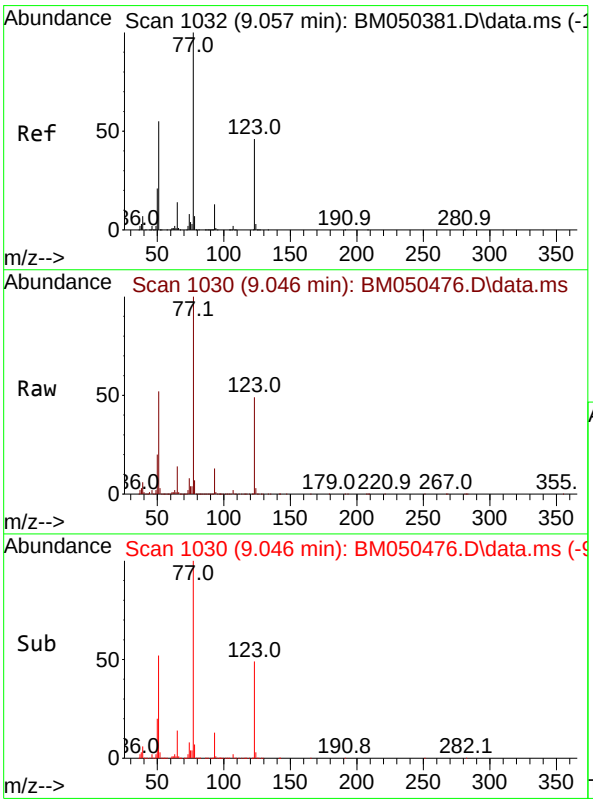
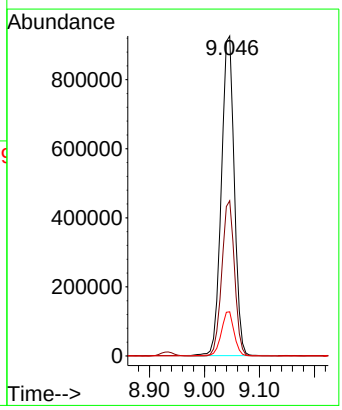
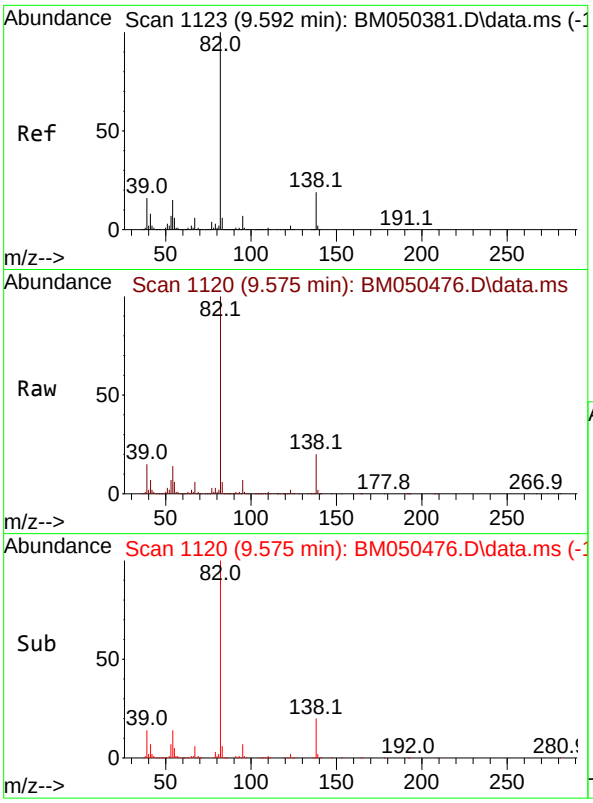



#24
Nitrobenzene
Concen: 44.305 ng
RT: 9.046 min Scan# 1030
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion: 77 Resp: 1509739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 48.5 | 37.0 | 55.6 |
| 65 | 13.8 | 11.0 | 16.4 |

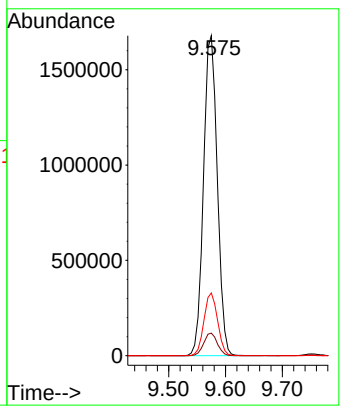





#25
Isophorone
Concen: 45.423 ng
RT: 9.575 min Scan# 11
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion: 82 Resp: 281461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.1 | 5.6 | 8.4 |
| 138 | 19.6 | 15.3 | 22.9 |

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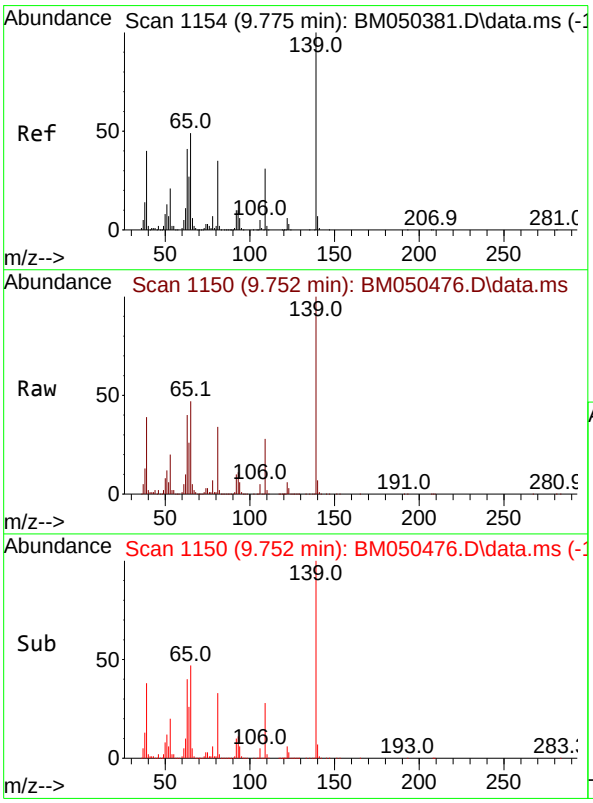
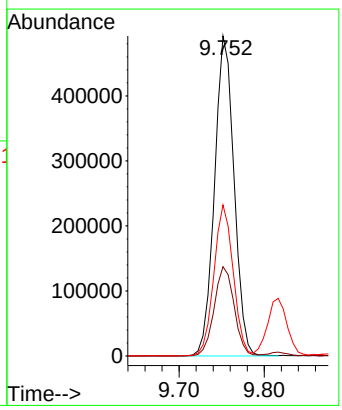
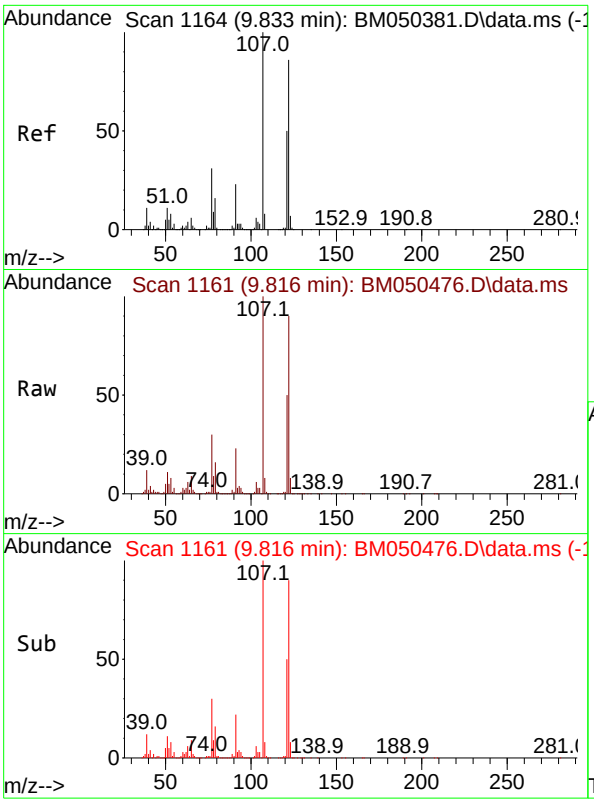



#26
2-Nitrophenol
Concen: 56.446 ng
RT: 9.752 min Scan# 1150
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:139 Resp: 783921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 27.9 | 24.6 | 36.8 |
| 65 | 47.2 | 39.2 | 58.8 |

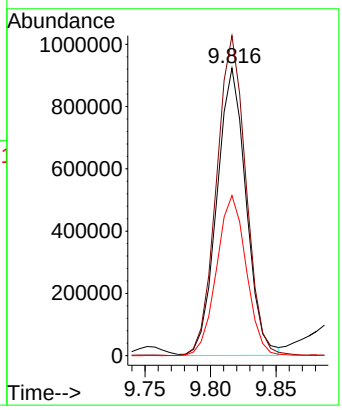





#27
2,4-Dimethylphenol
Concen: 48.416 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:122 Resp: 143079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 111.3 | 93.0 | 139.6 |
| 121 | 55.7 | 46.1 | 69.1 |

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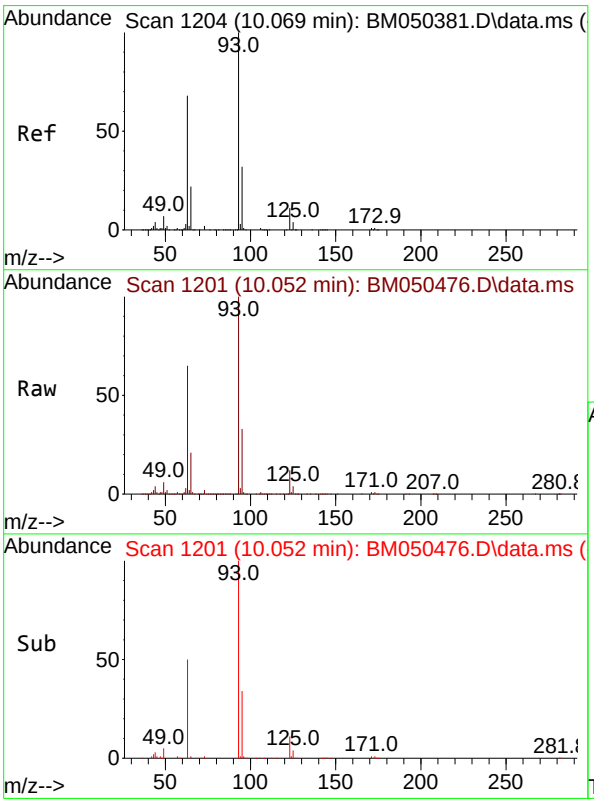
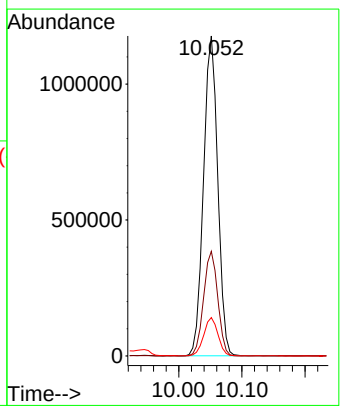
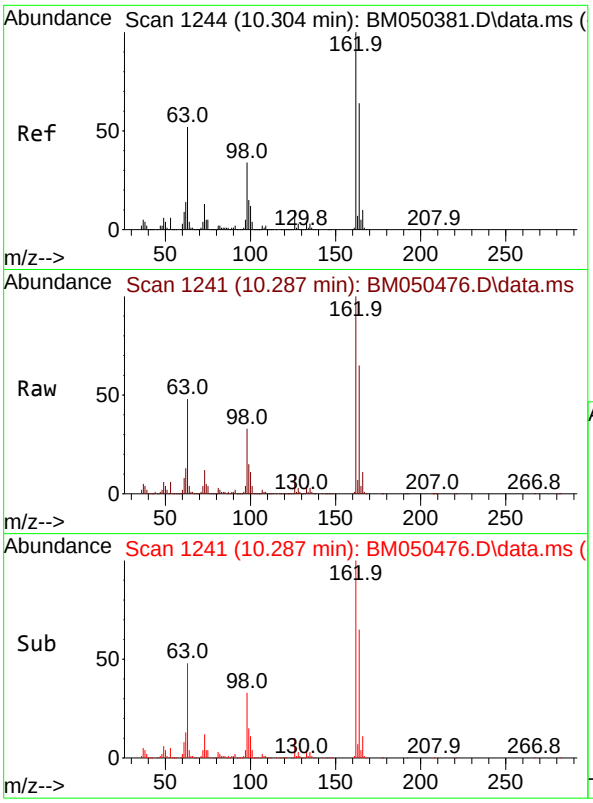



#28
bis(2-Chloroethoxy)methane
Concen: 44.768 ng
RT: 10.052 min Scan# 1201
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion: 93 Resp: 1838156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.7 | 25.8 | 38.6 |
| 123 | 12.0 | 9.1 | 13.7 |

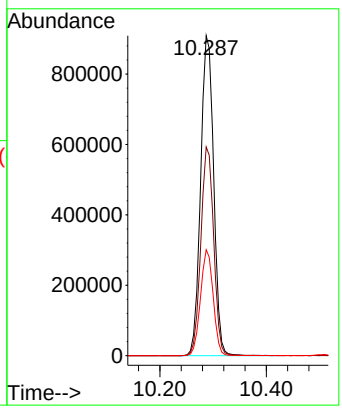





#29
2,4-Dichlorophenol
Concen: 50.768 ng
RT: 10.287 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:162 Resp: 154134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 65.2 | 43.7 | 83.7 |
| 98 | 33.1 | 13.7 | 53.7 |




**Instrument :**
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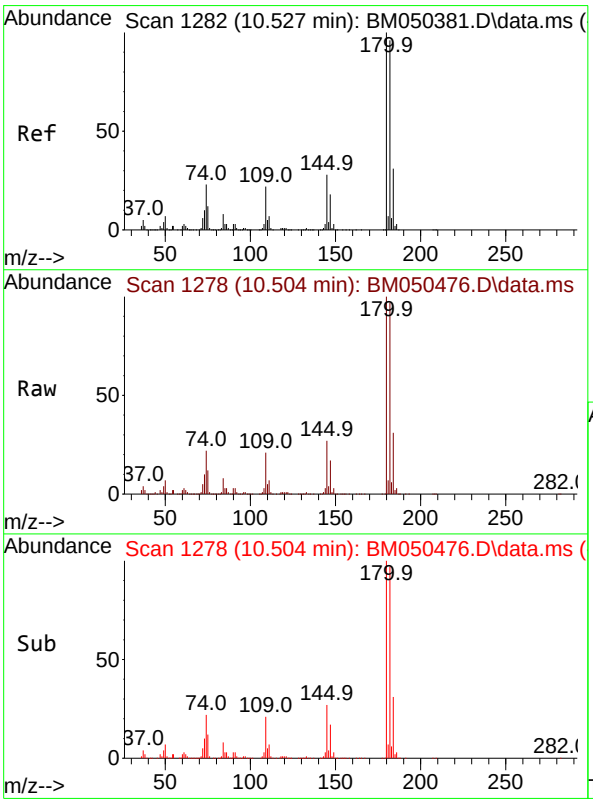
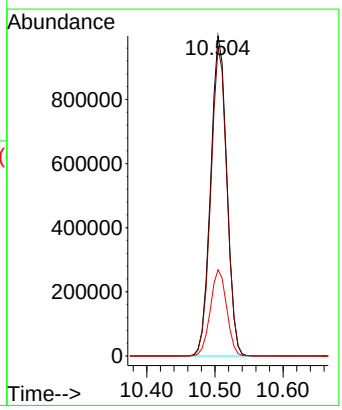
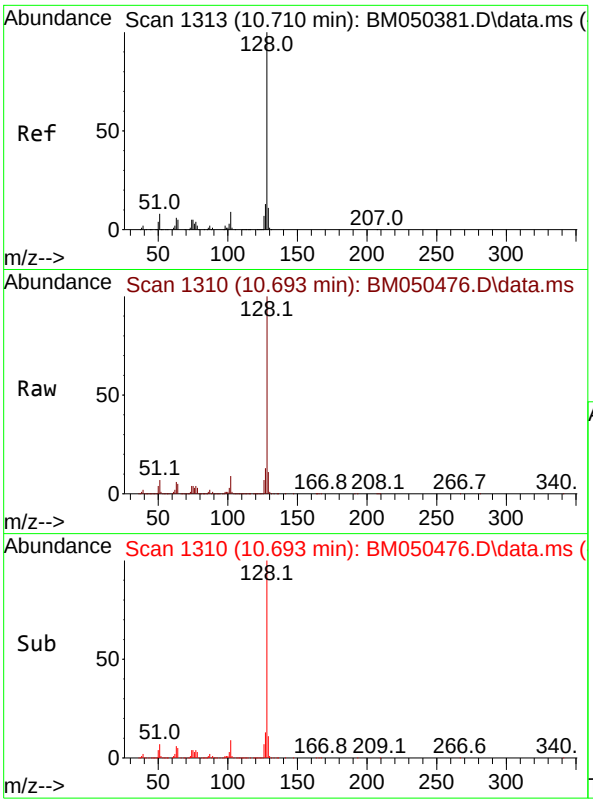



#30
1,2,4-Trichlorobenzene
Concen: 45.296 ng
RT: 10.504 min Scan# 1278
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:180 Resp: 1645152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.5 | 76.8 | 115.2 |
| 145 | 27.0 | 22.6 | 33.8 |

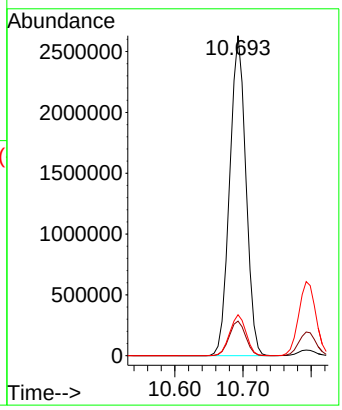





#31
Naphthalene
Concen: 43.933 ng
RT: 10.693 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:128 Resp: 434739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.8 | 13.2 |
| 127 | 12.8 | 10.4 | 15.6 |

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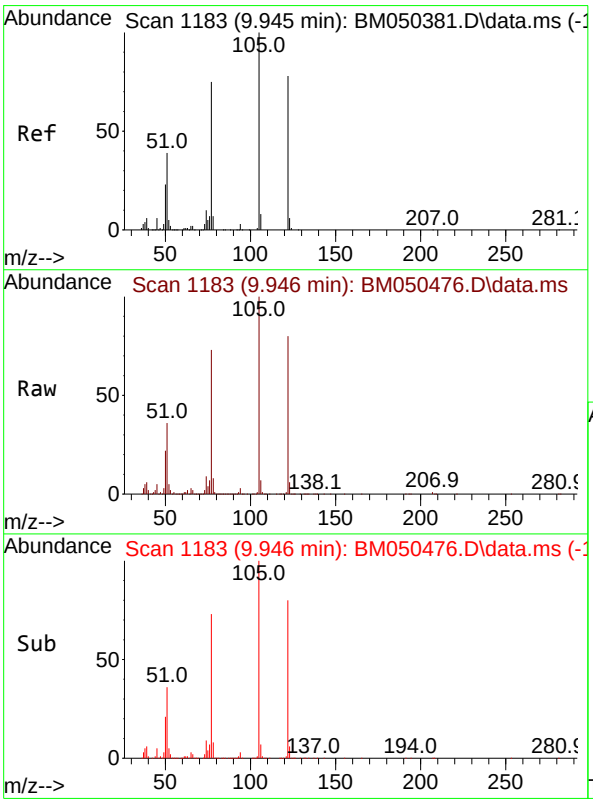
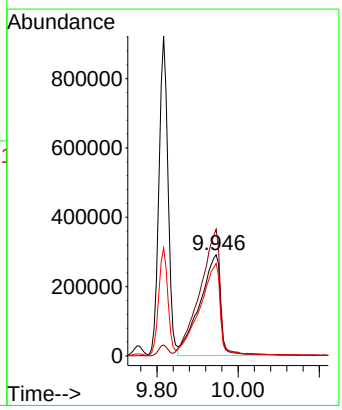
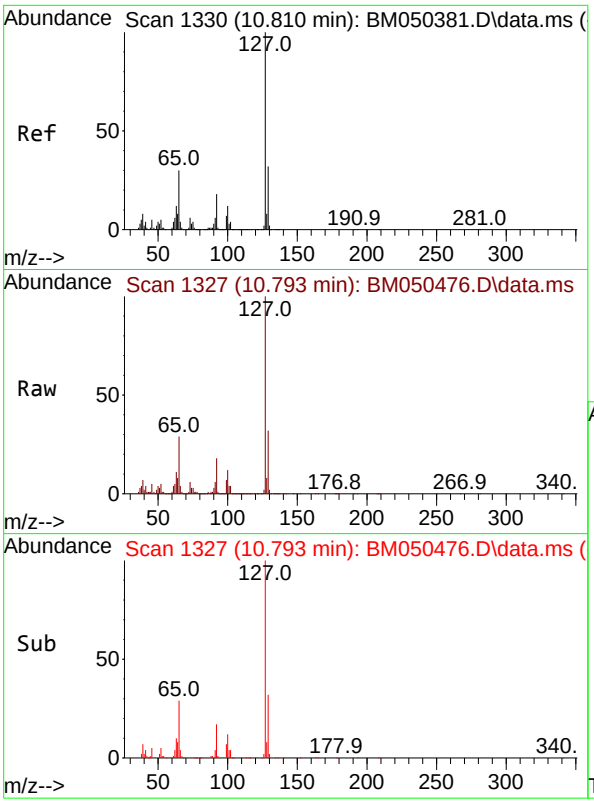



#32
Benzoic acid
Concen: 55.734 ng
RT: 9.946 min Scan# 1183
Delta R.T. 0.012 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:122 Resp: 1030936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 125.2 | 104.0 | 144.0 |
| 77 | 91.4 | 73.8 | 113.8 |

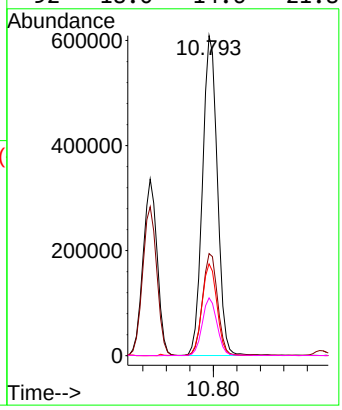





#33
4-Chloroaniline
Concen: 25.564 ng
RT: 10.793 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:127 Resp: 106943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.9 | 25.5 | 38.3 |
| 65 | 28.7 | 23.9 | 35.9 |
| 92 | 18.0 | 14.6 | 21.8 |

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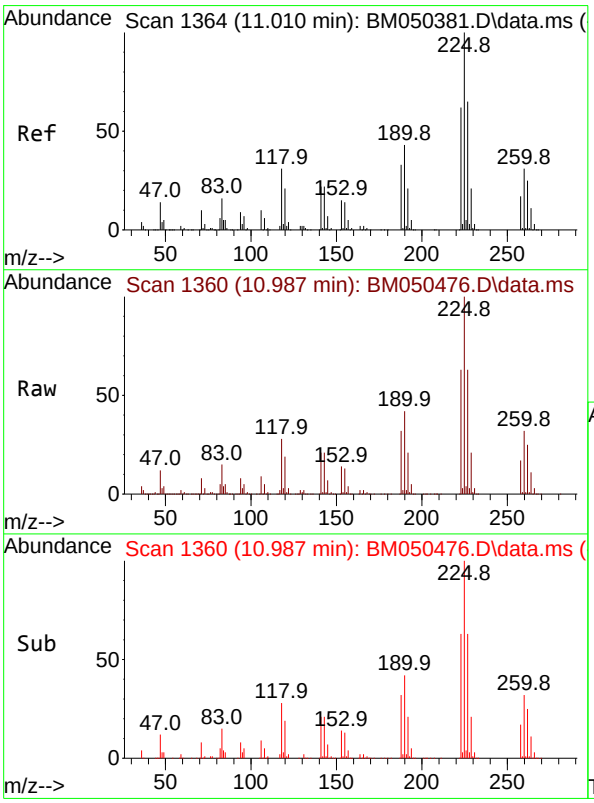
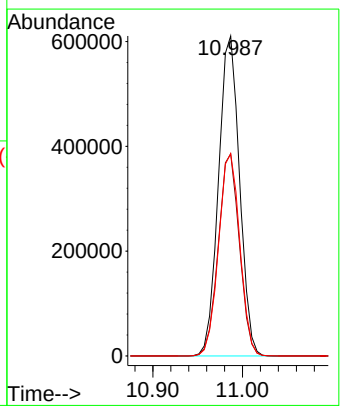
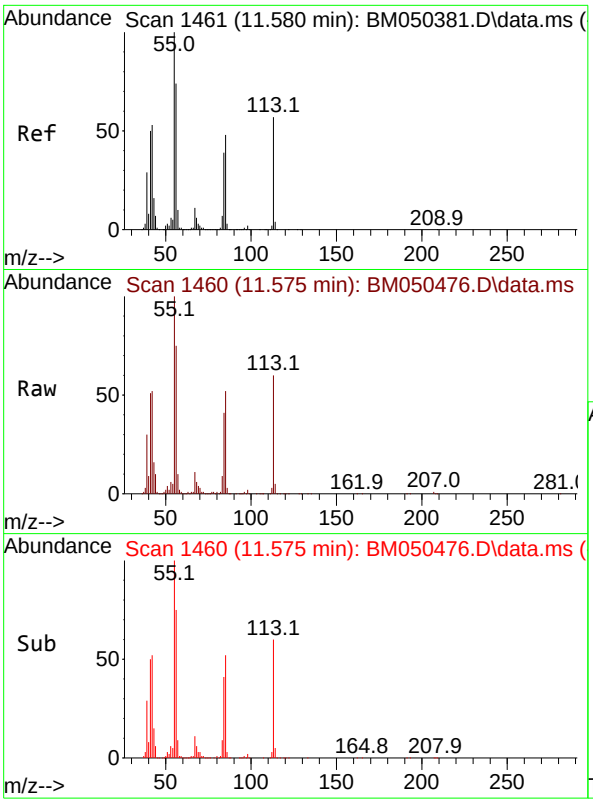



#34
Hexachlorobutadiene
Concen: 44.805 ng
RT: 10.987 min Scan# 1360
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:225 Resp: 993212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.1 | 49.7 | 74.5 |
| 227 | 63.3 | 52.1 | 78.1 |

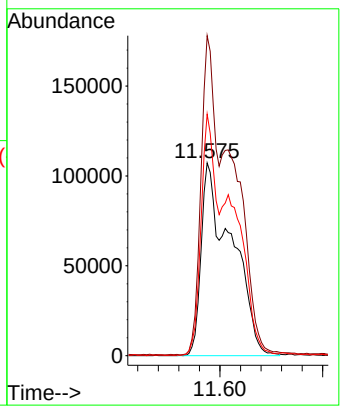





#35
Caprolactam
Concen: 53.108 ng m
RT: 11.575 min Scan# 14
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:113 Resp: 44016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 165.9 | 157.2 | 197.2 |
| 56 | 125.3 | 111.7 | 151.7 |

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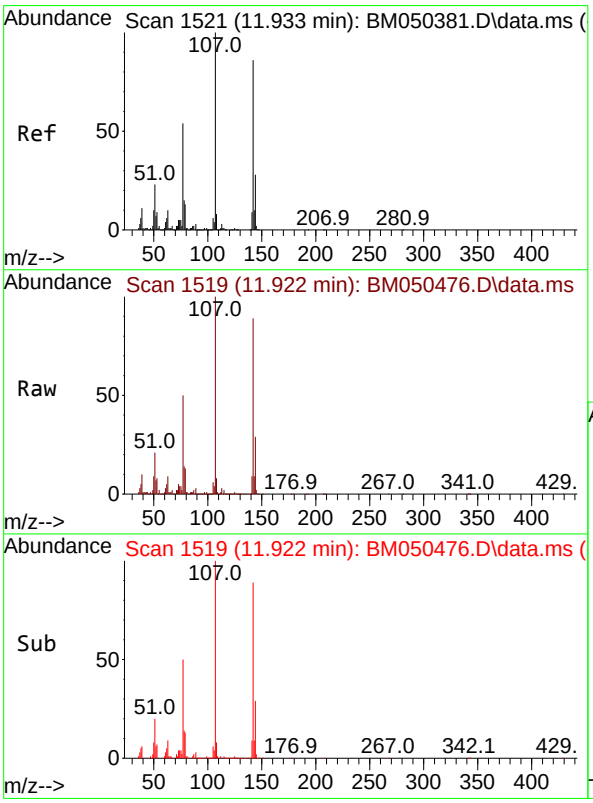
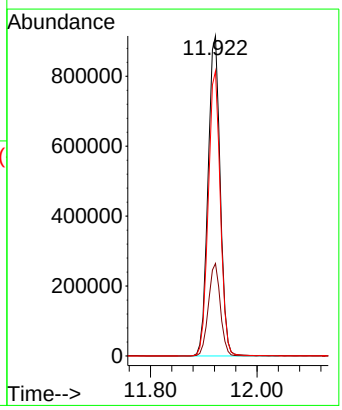
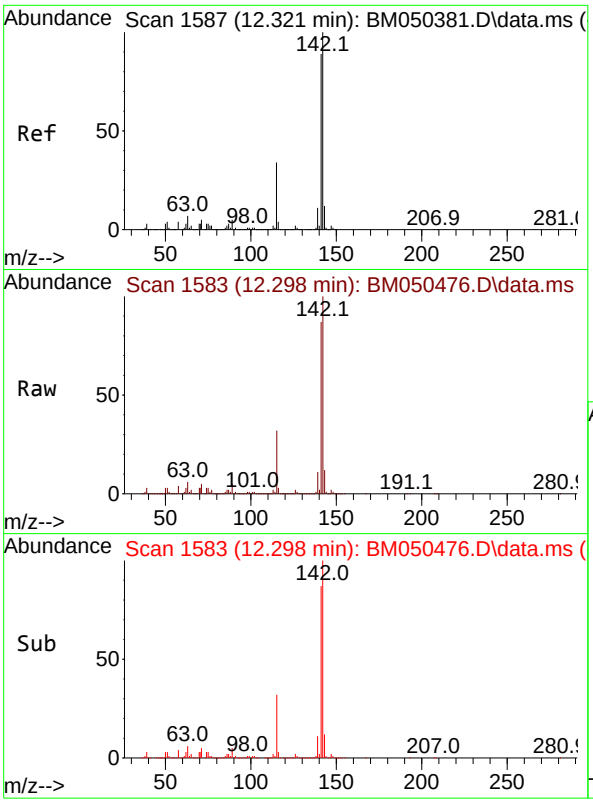



#36
4-Chloro-3-methylphenol
Concen: 51.138 ng
RT: 11.922 min Scan# 1519
Delta R.T. 0.006 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:107 Resp: 1449850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 28.9 | 22.2 | 33.4 |
| 142 | 89.0 | 68.7 | 103.1 |

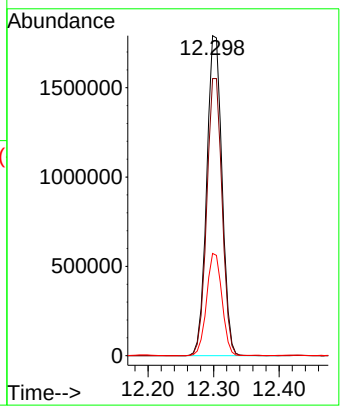





#37
2-Methylnaphthalene
Concen: 46.526 ng
RT: 12.298 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:142 Resp: 290696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 86.6 | 70.8 | 106.2 |
| 115 | 31.9 | 27.0 | 40.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
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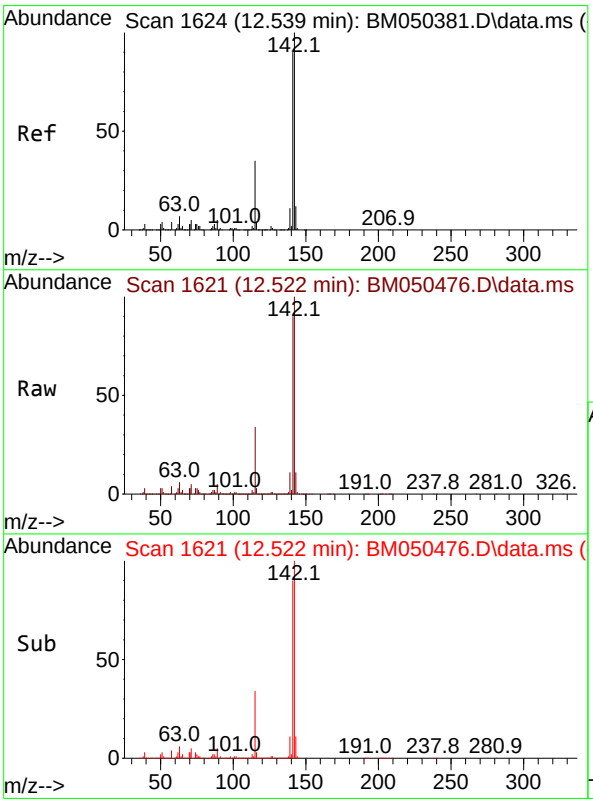
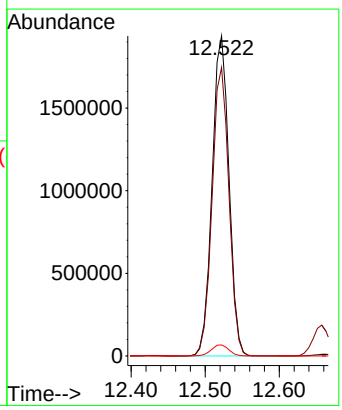
Supervised By :Jagrut Upadhyay 07/18/2025

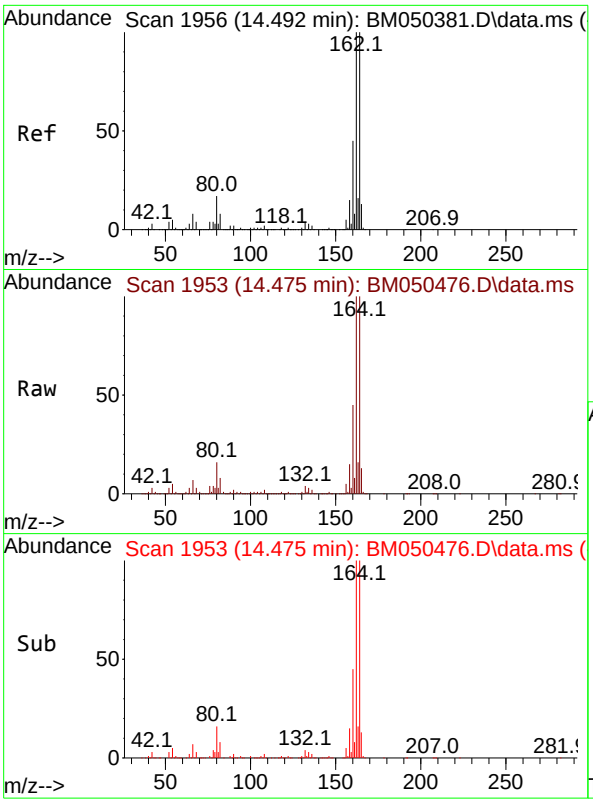



#38
1-Methylnaphthalene
Concen: 46.083 ng
RT: 12.522 min Scan# 1621
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:142 Resp: 3047148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.2 | 71.9 | 107.9 |
| 116 | 3.5 | 3.0 | 4.6 |

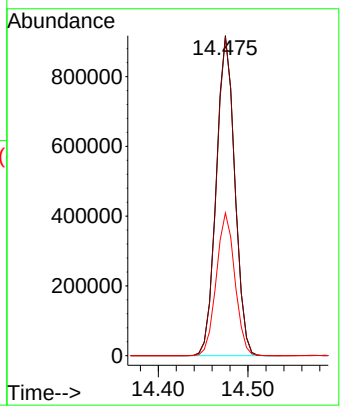





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.475 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:164 Resp: 131333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.6 | 79.9 | 119.9 |
| 160 | 44.6 | 36.2 | 54.4 |

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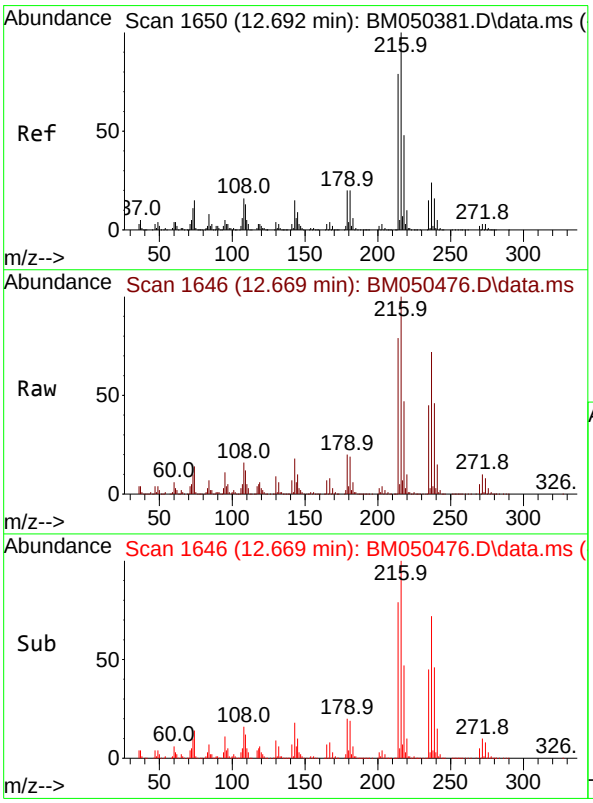
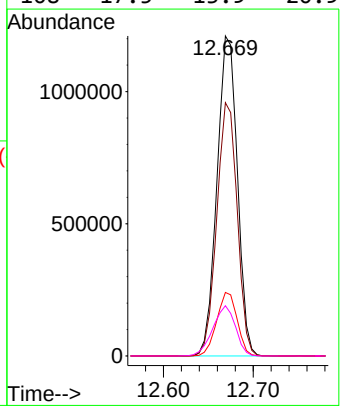
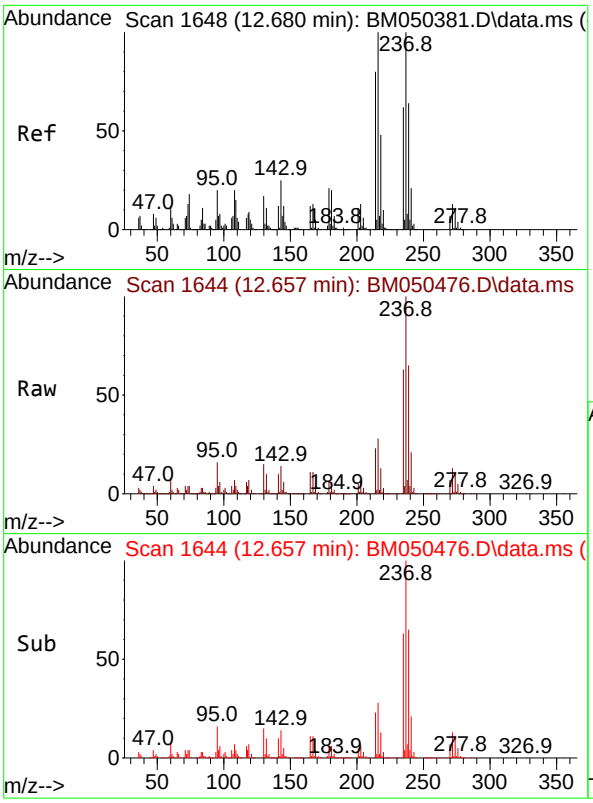



#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.724 ng
RT: 12.669 min Scan# 1646
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:216 Resp: 1909685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.2 | 63.3 | 94.9 |
| 179 | 20.0 | 16.4 | 24.6 |
| 108 | 17.5 | 13.9 | 20.9 |






#41
Hexachlorocyclopentadiene
Concen: 97.780 ng
RT: 12.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:237 Resp: 261041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.8 | 42.3 | 82.3 |
| 272 | 13.3 | 0.0 | 33.0 |

**Instrument :**
BNA_M
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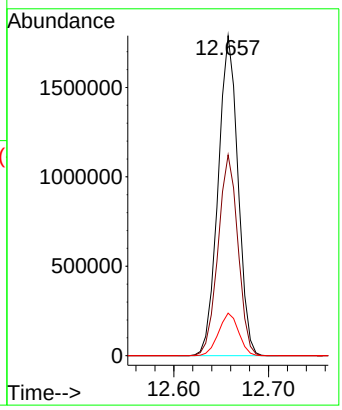
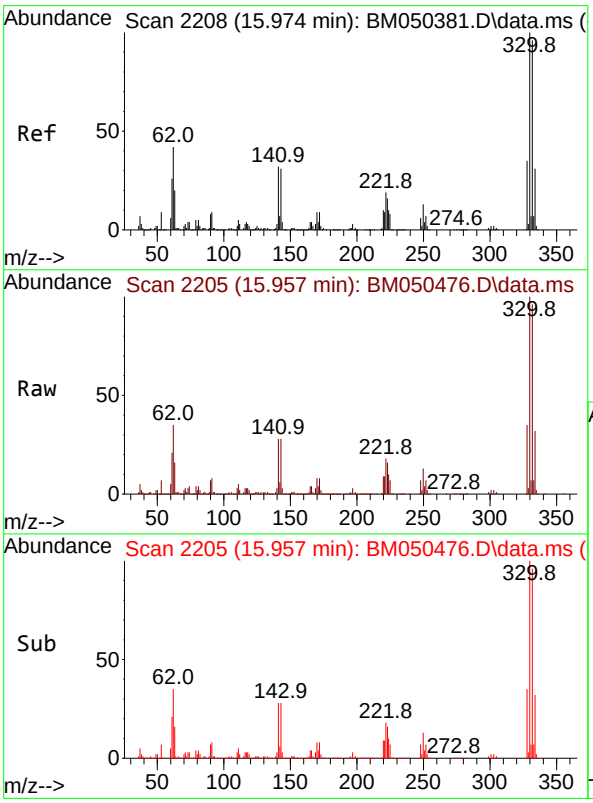
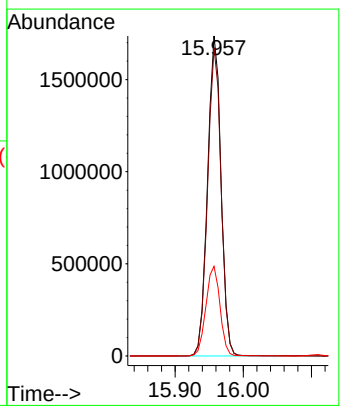


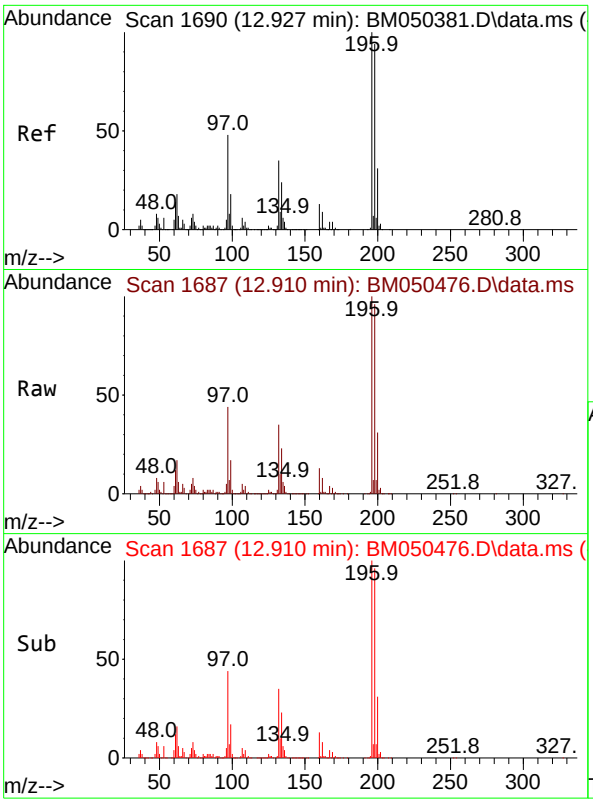




#42
2,4,6-Tribromophenol
Concen: 149.748 ng
RT: 15.957 min Scan# 2205
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:330 Resp: 2389558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 76.9 | 115.3 |
| 141 | 29.3 | 27.4 | 41.0 |

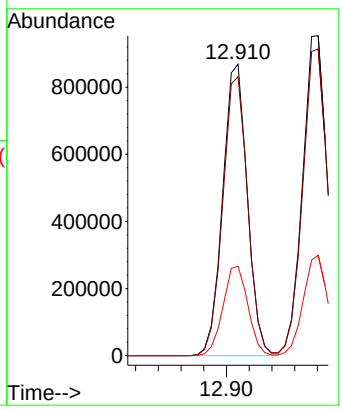





#43
2,4,6-Trichlorophenol
Concen: 50.938 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:196 Resp: 130952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.6 | 75.1 | 112.7 |
| 200 | 30.7 | 24.6 | 37.0 |




**Instrument :**
BNA_M
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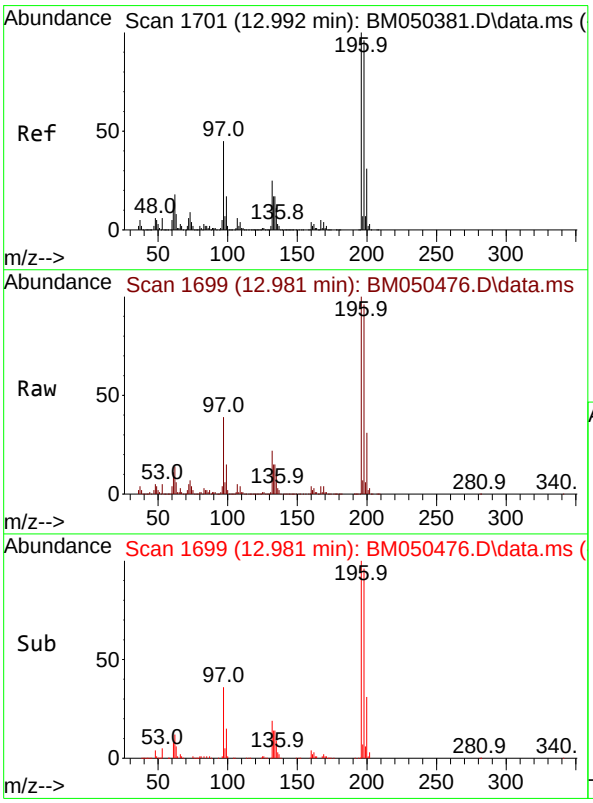
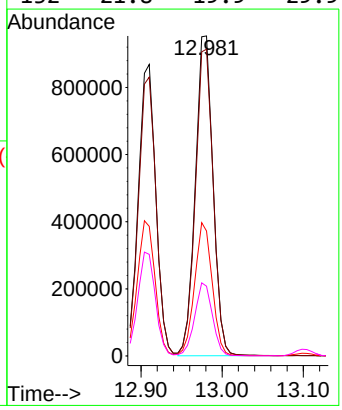
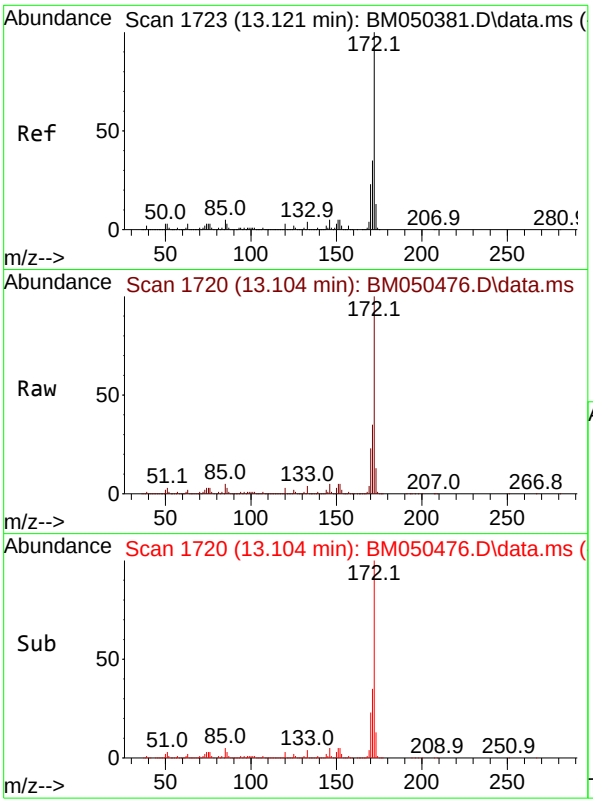



#44
2,4,5-Trichlorophenol
Concen: 51.658 ng
RT: 12.981 min Scan# 1699
Delta R.T. 0.006 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:196 Resp: 1450386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.8 | 77.2 | 115.8 |
| 97 | 39.1 | 36.2 | 54.4 |
| 132 | 21.8 | 19.9 | 29.9 |

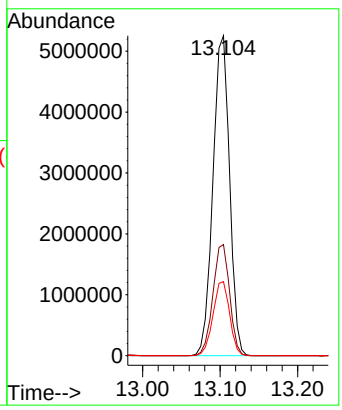





#45
2-Fluorobiphenyl
Concen: 73.518 ng
RT: 13.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:172 Resp: 781850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.8 | 27.7 | 41.5 |
| 170 | 23.2 | 18.8 | 28.2 |




**Instrument :**
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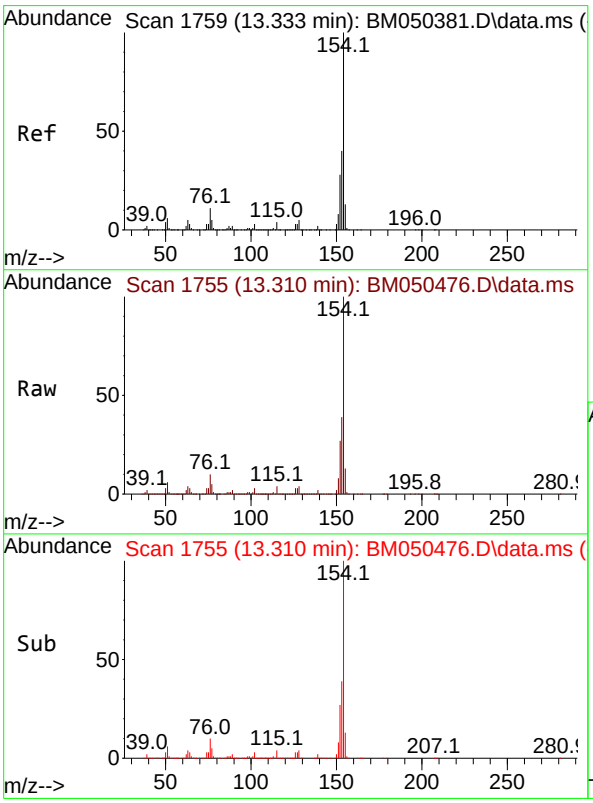
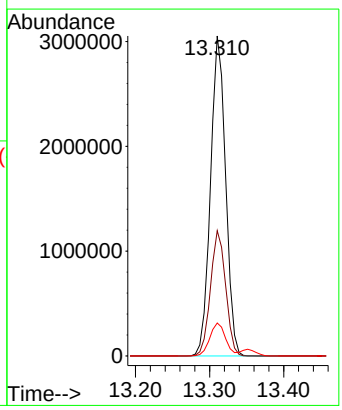
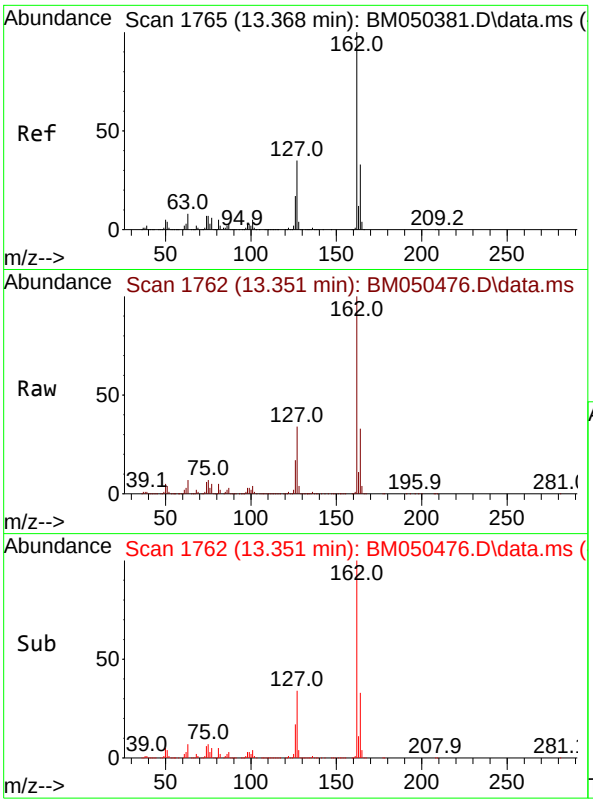



#46
1,1'-Biphenyl
Concen: 44.311 ng
RT: 13.310 min Scan# 1755
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:154 Resp: 4317725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.1 | 19.7 | 59.7 |
| 76 | 10.3 | 0.0 | 30.9 |

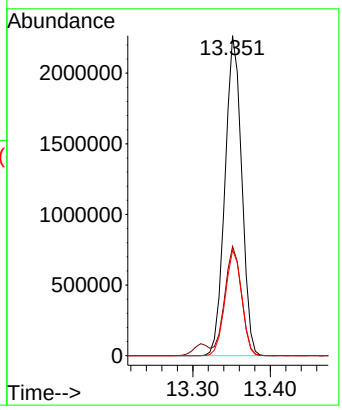





#47
2-Chloronaphthalene
Concen: 43.840 ng
RT: 13.351 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:162 Resp: 340594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 34.2 | 28.3 | 42.5 |
| 164 | 33.0 | 26.6 | 40.0 |




**Instrument :**
BNA_M
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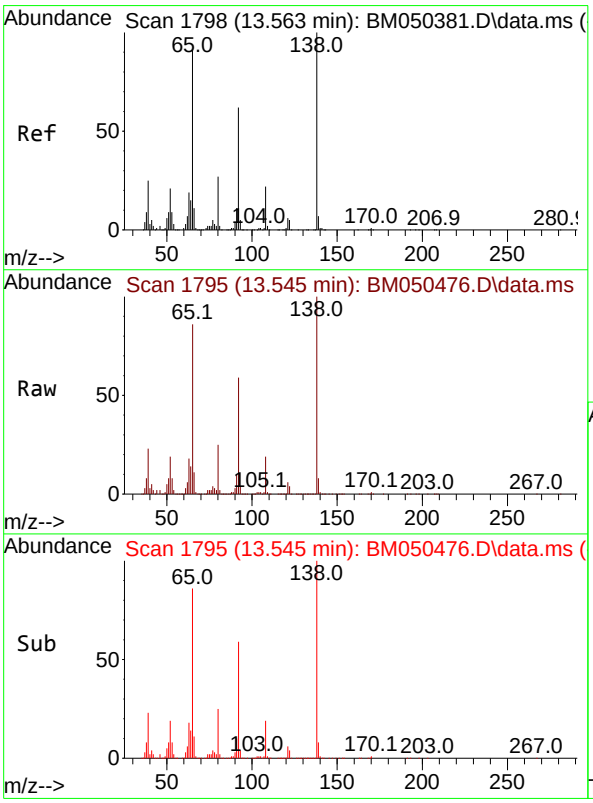
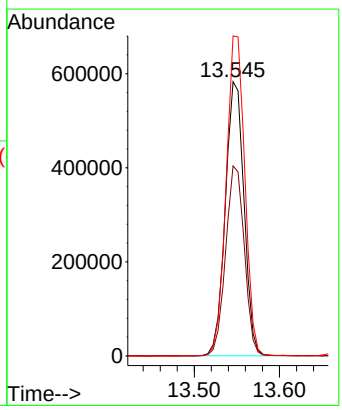
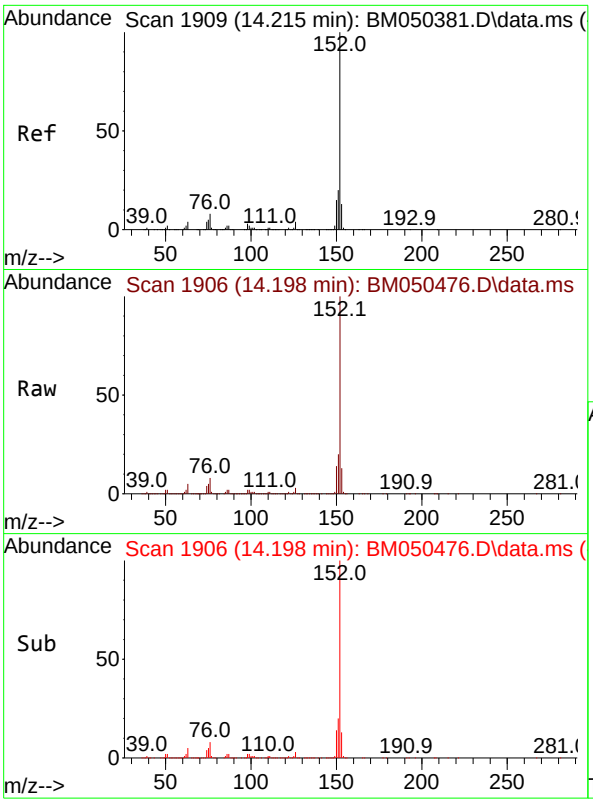



#48
2-Nitroaniline
Concen: 51.189 ng
RT: 13.545 min Scan# 1795
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion: 65 Resp: 887681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 69.3 | 54.3 | 81.5 |
| 138 | 116.7 | 87.8 | 131.6 |

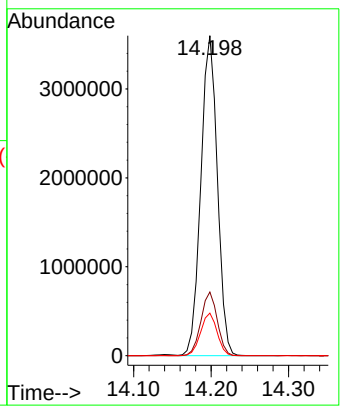





#49
Acenaphthylene
Concen: 45.277 ng
RT: 14.198 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:152 Resp: 531605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.9 | 16.3 | 24.5 |
| 153 | 13.3 | 10.6 | 15.8 |




**Instrument :**
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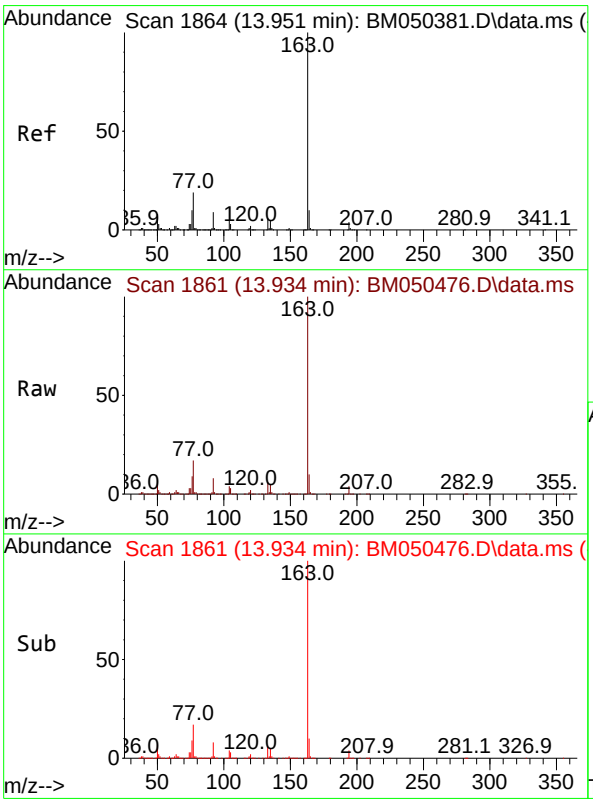
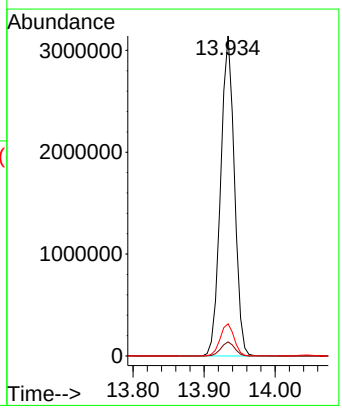
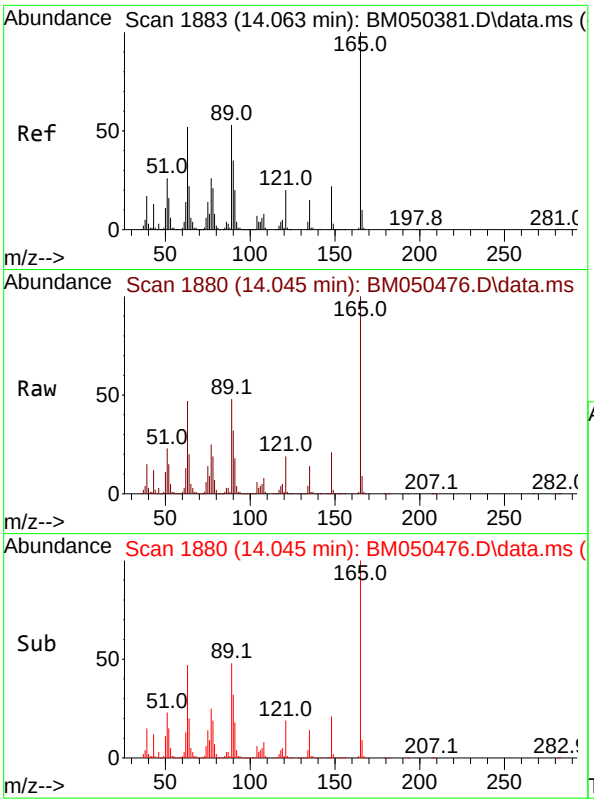



#50
Dimethylphthalate
Concen: 46.615 ng
RT: 13.934 min Scan# 1861
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:163 Resp: 4214908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.4 | 3.4 | 5.2 |
| 164 | 10.1 | 8.2 | 12.2 |






#51
2,6-Dinitrotoluene
Concen: 51.738 ng
RT: 14.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:165 Resp: 89821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 47.1 | 42.4 | 63.6 |
| 89 | 48.4 | 42.2 | 63.2 |

**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BS

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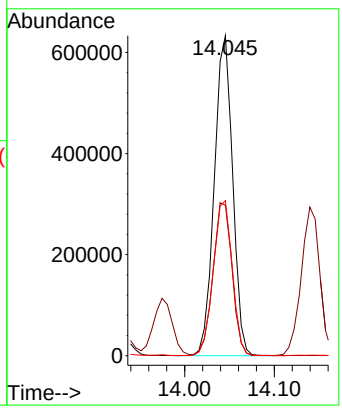
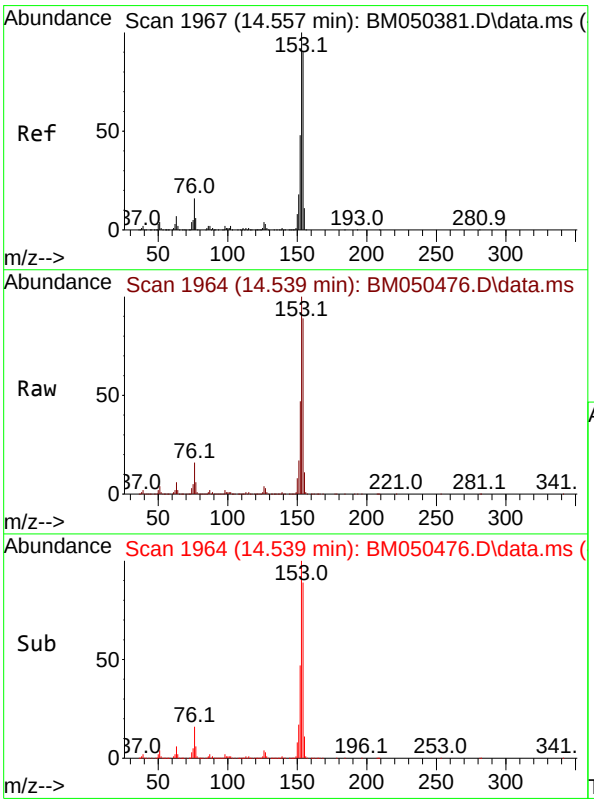
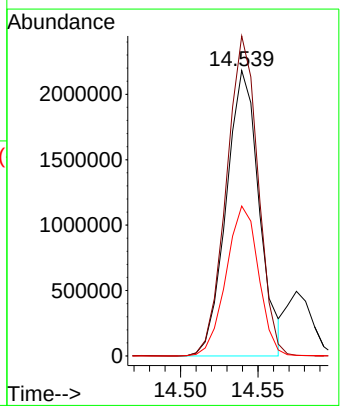


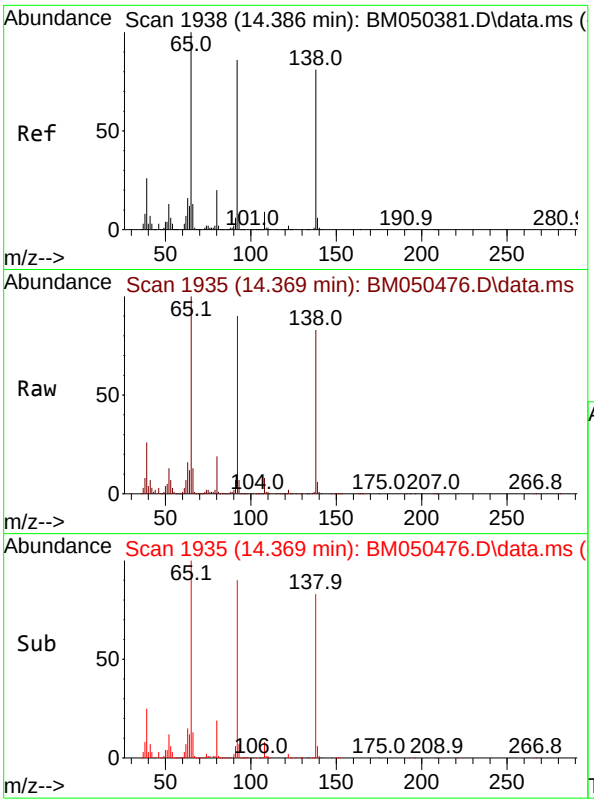




#52
Acenaphthene
Concen: 43.143 ng
RT: 14.539 min Scan# 1964
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:154 Resp: 3220488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.1 | 89.2 | 133.8 |
| 152 | 52.5 | 42.6 | 64.0 |

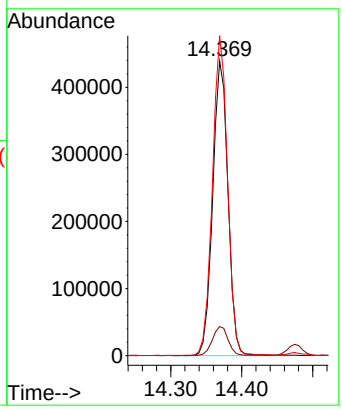





#53
3-Nitroaniline
Concen: 35.347 ng
RT: 14.369 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:138 Resp: 65260

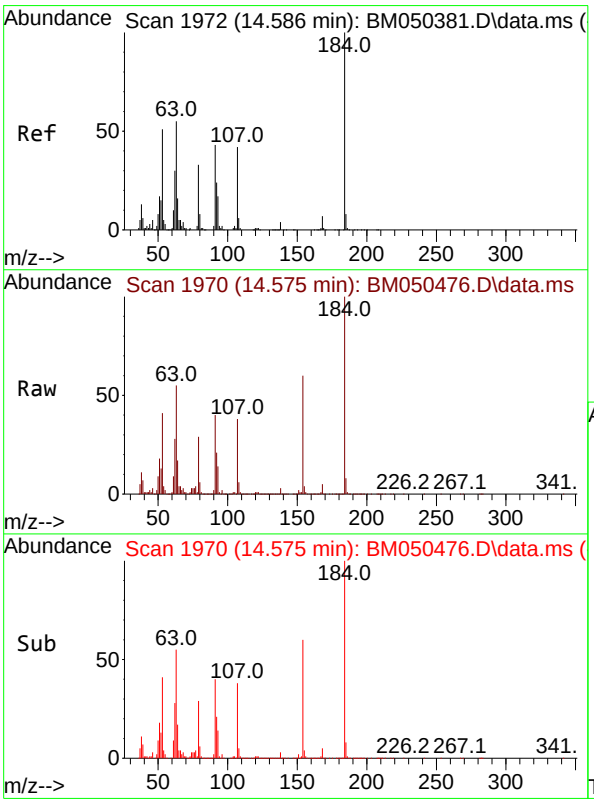
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 9.9 | 8.8 | 13.2 |
| 92 | 108.6 | 85.0 | 127.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BS

**Manual Integrations APPROVED**

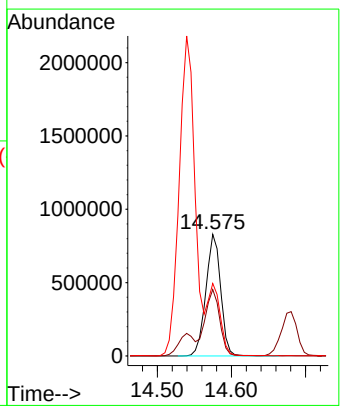
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

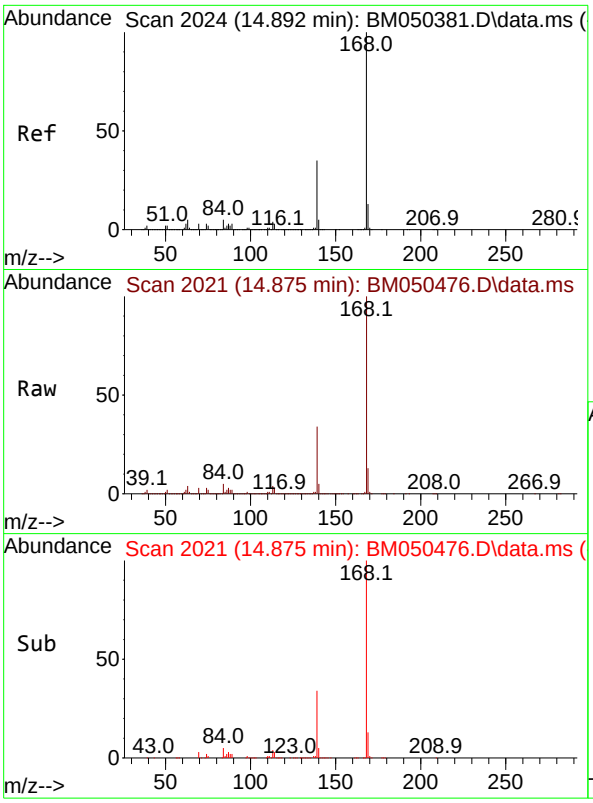



#54
2,4-Dinitrophenol
Concen: 117.097 ng
RT: 14.575 min Scan# 1970
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:184 Resp: 1152712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 54.6 | 53.4 | 80.0 |
| 154 | 59.6 | 61.6 | 92.4# |

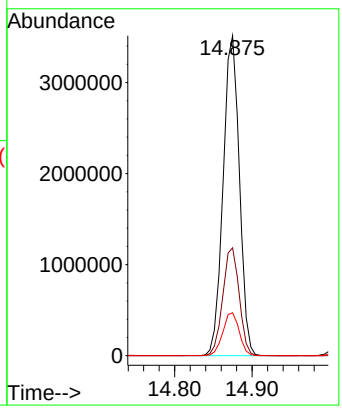





#55
Dibenzofuran
Concen: 44.563 ng
RT: 14.875 min Scan# 2
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:168 Resp: 512541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 33.7 | 27.7 | 41.5 |
| 169 | 13.4 | 10.7 | 16.1 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BS

**Manual Integrations**
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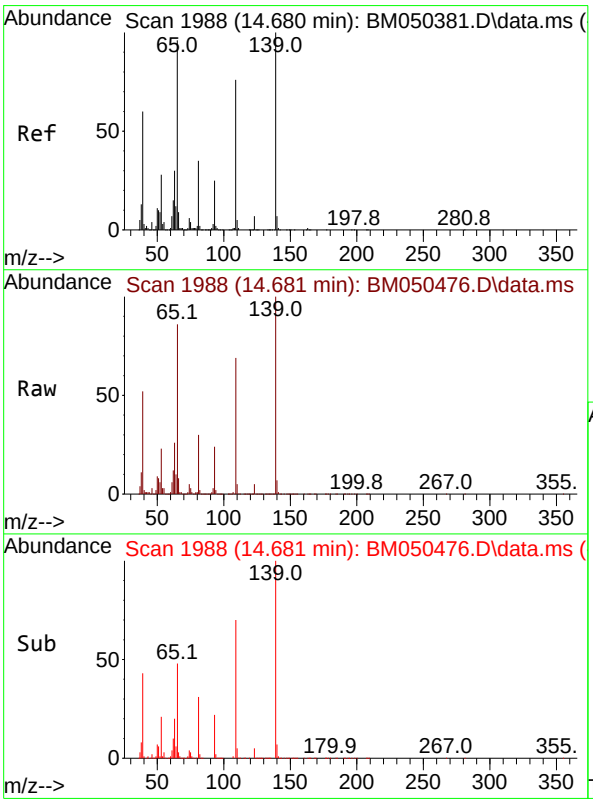
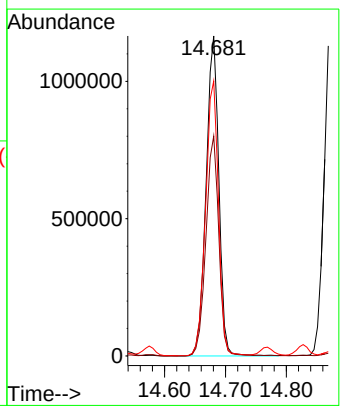
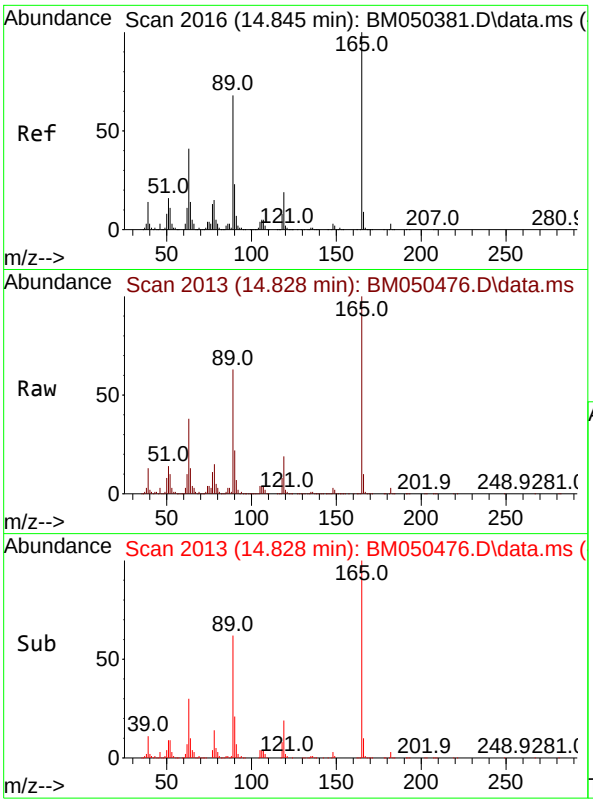



#56
4-Nitrophenol
Concen: 106.789 ng
RT: 14.681 min Scan# 1988
Delta R.T. 0.006 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:139 Resp: 1695556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 68.7 | 56.5 | 96.5 |
| 65 | 86.0 | 76.4 | 116.4 |

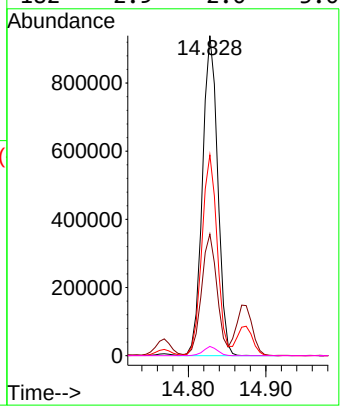





#57
2,4-Dinitrotoluene
Concen: 49.227 ng
RT: 14.828 min Scan# 2(
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:165 Resp: 128129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 38.0 | 32.5 | 48.7 |
| 89 | 62.8 | 54.0 | 81.0 |
| 182 | 2.9 | 2.0 | 3.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BS

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Reviewed By :Rahul Chavli 07/18/2025
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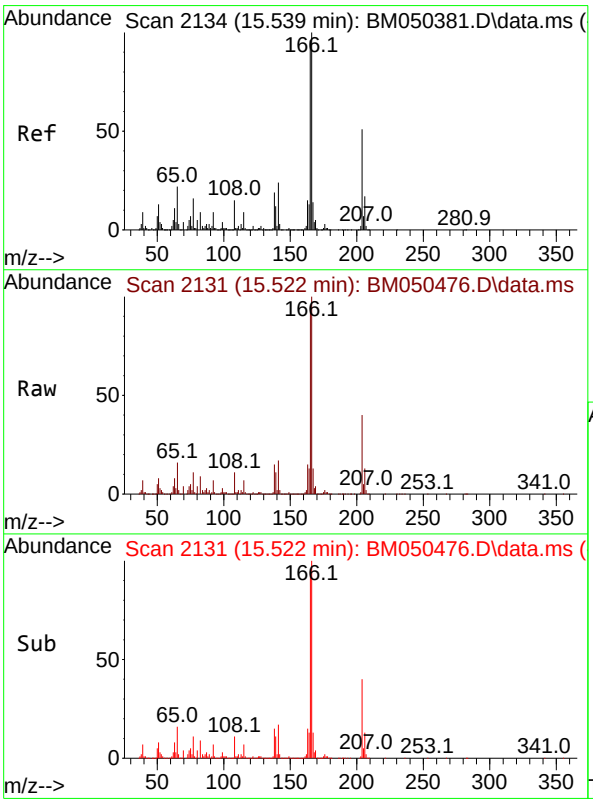
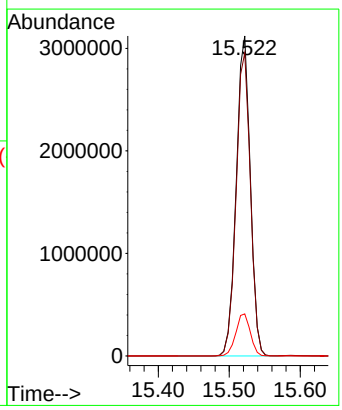
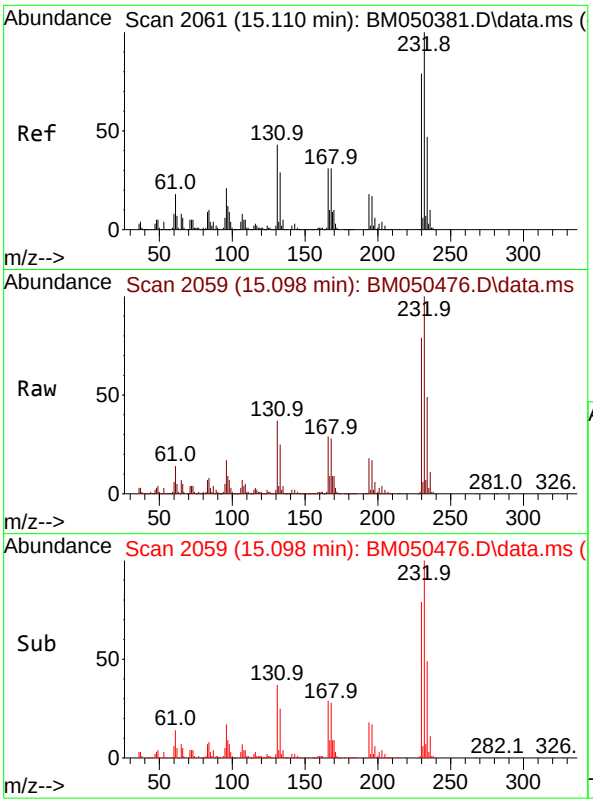



#58
Fluorene
Concen: 45.471 ng
RT: 15.522 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:166 Resp: 4307700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 94.7 | 77.0 | 115.6 |
| 167 | 13.2 | 10.9 | 16.3 |

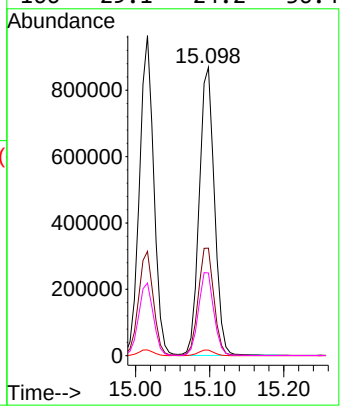





#59
2,3,4,6-Tetrachlorophenol
Concen: 52.459 ng
RT: 15.098 min Scan# 2
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:232 Resp: 123985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 38.5 | 33.4 | 50.0 |
| 130 | 2.1 | 1.8 | 2.6 |
| 166 | 29.1 | 24.2 | 36.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BS

**Manual Integrations**
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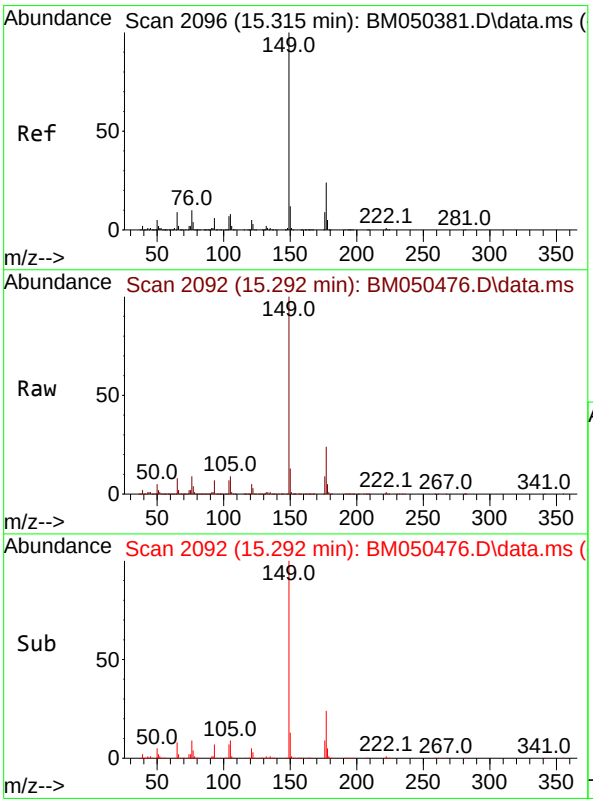
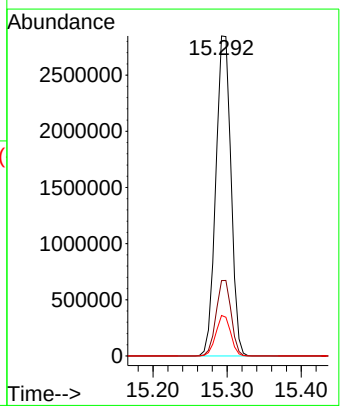
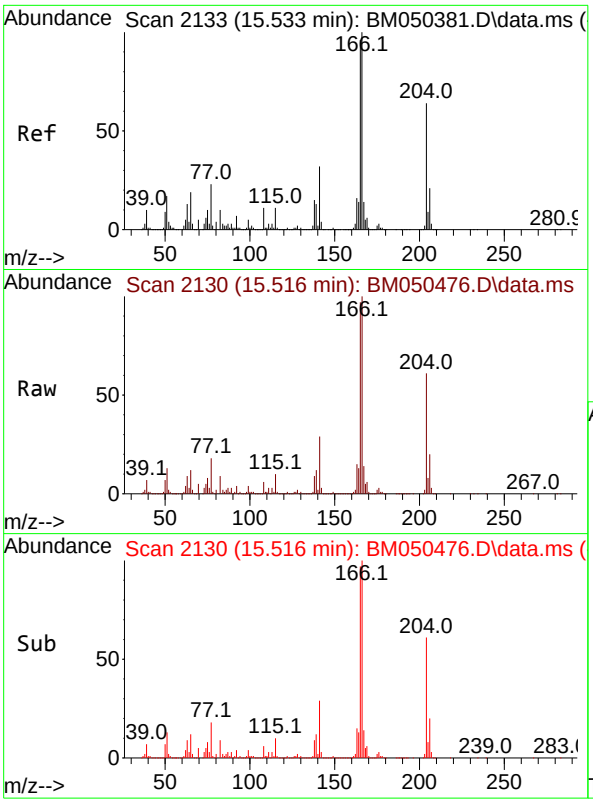



#60
Diethylphthalate
Concen: 46.776 ng
RT: 15.292 min Scan# 2092
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:149 Resp: 4040195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 23.6 | 18.8 | 28.2 |
| 150 | 12.6 | 9.8 | 14.8 |






#61
4-Chlorophenyl-phenylether
Concen: 45.997 ng
RT: 15.516 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BS

Tgt Ion:204 Resp: 227850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.4 | 26.6 | 39.8 |
| 141 | 47.0 | 39.9 | 59.9 |

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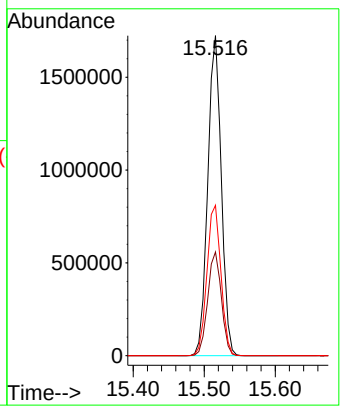
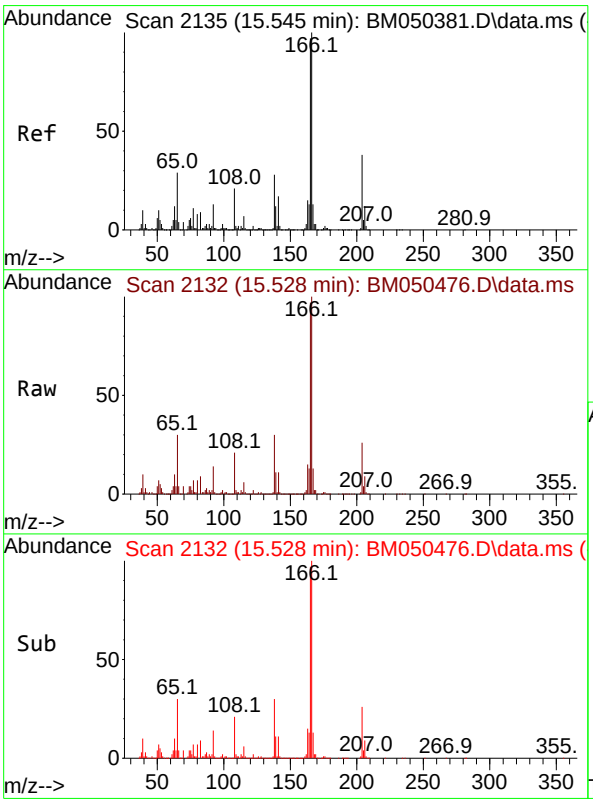
Supervised By :Jagrut Upadhyay 07/18/2025

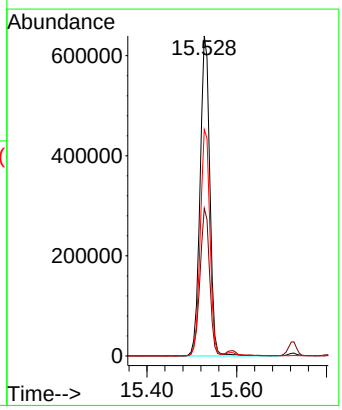


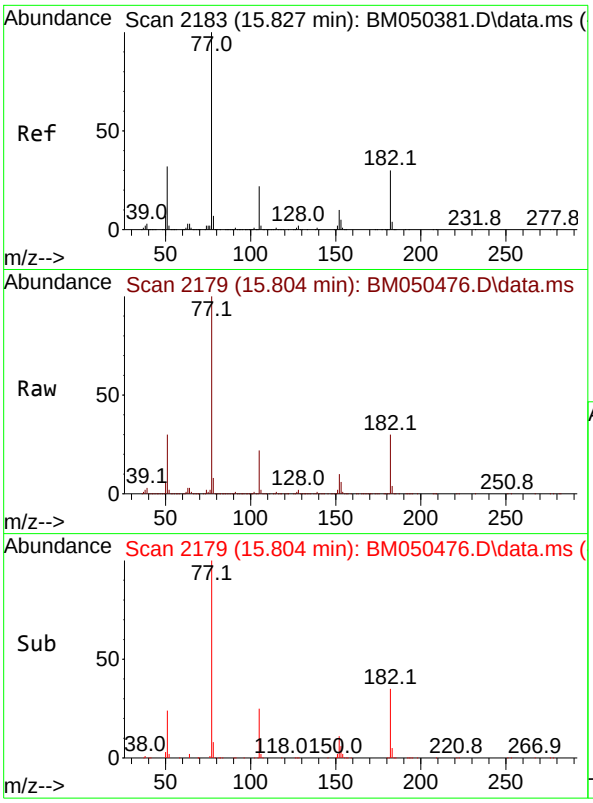




#62
4-Nitroaniline
Concen: 45.527 ng
RT: 15.528 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:138 Resp: 963365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 46.2 | 24.5 | 64.5 |
| 108 | 70.8 | 52.5 | 92.5 |

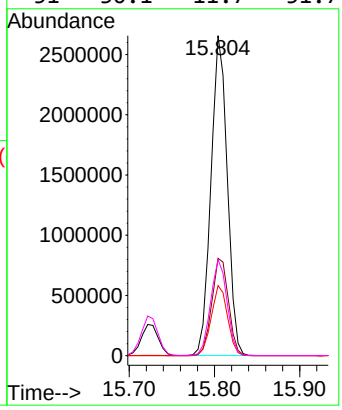





#63
Azobenzene
Concen: 44.475 ng
RT: 15.804 min Scan# 2
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion: 77 Resp: 352737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 30.4 | 10.0 | 50.0 |
| 105 | 21.9 | 2.0 | 42.0 |
| 51 | 30.1 | 11.7 | 51.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BS

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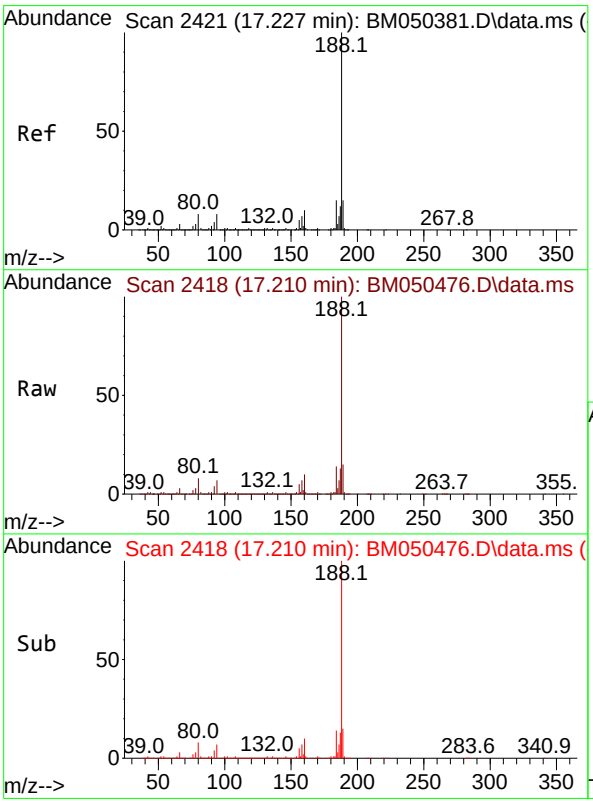
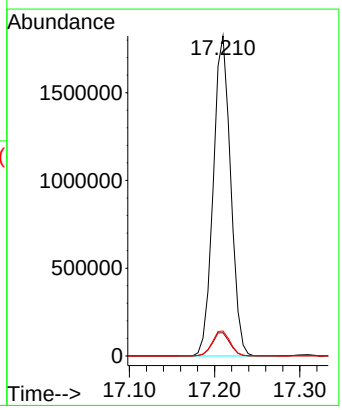
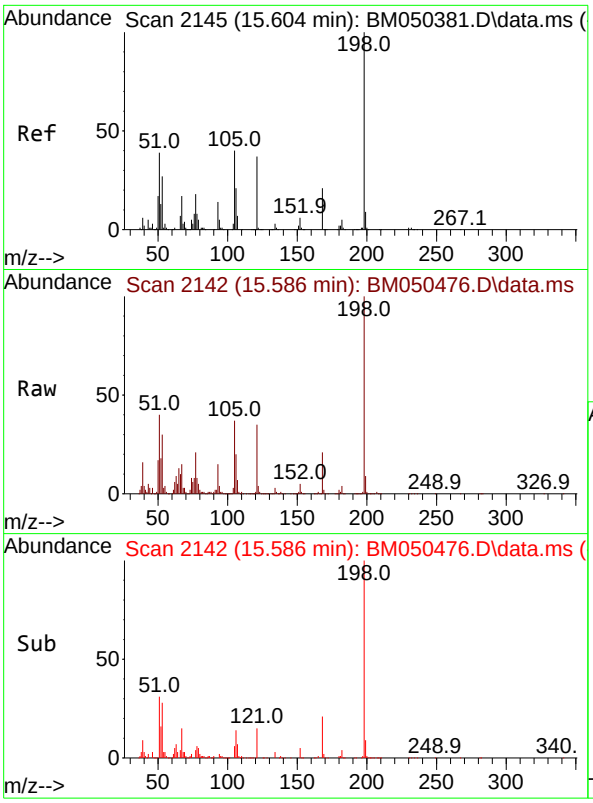



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:188 Resp: 2583210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.2 | 6.0 | 9.0 |
| 80 | 7.8 | 6.5 | 9.7 |

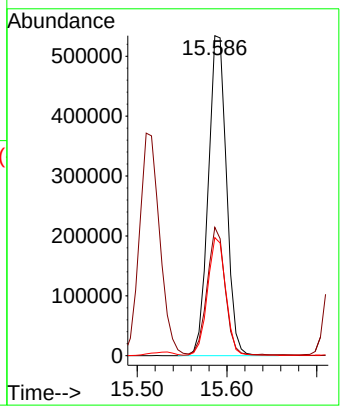





#65
4,6-Dinitro-2-methylphenol
Concen: 53.277 ng
RT: 15.586 min Scan# 21
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:198 Resp: 75111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 40.1 | 26.6 | 66.6 |
| 105 | 36.9 | 20.9 | 60.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BS

**Manual Integrations**
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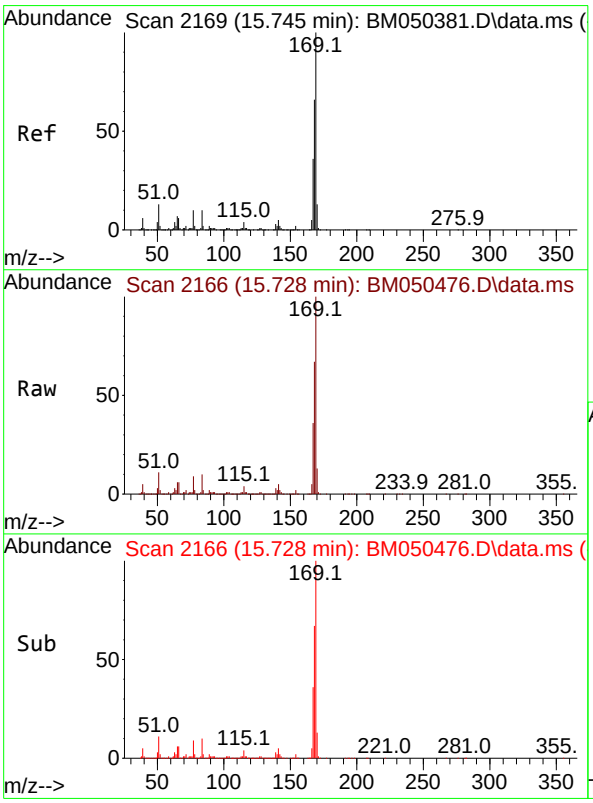
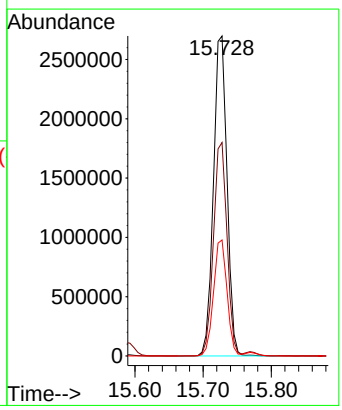
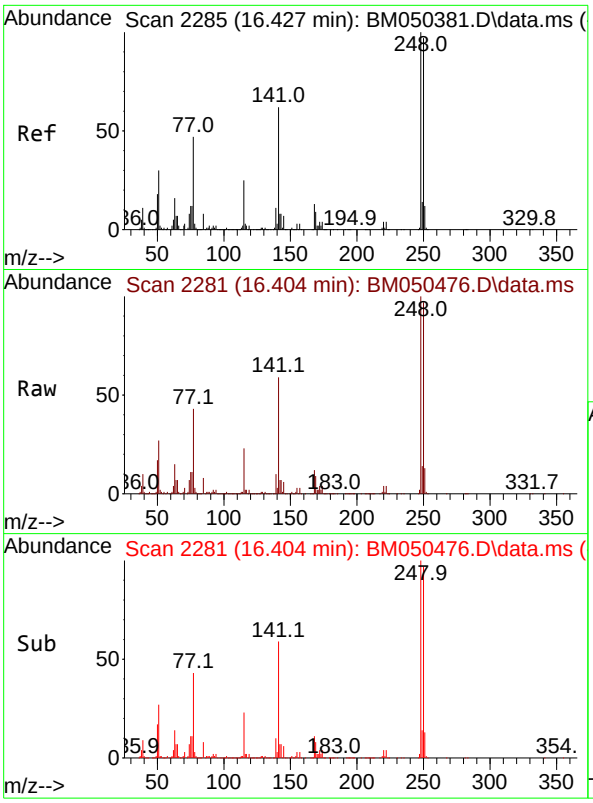



#66
n-Nitrosodiphenylamine
Concen: 46.260 ng
RT: 15.728 min Scan# 2166
Delta R.T. 0.006 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:169 Resp: 3739335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.7 | 53.2 | 79.8 |
| 167 | 36.2 | 28.7 | 43.1 |

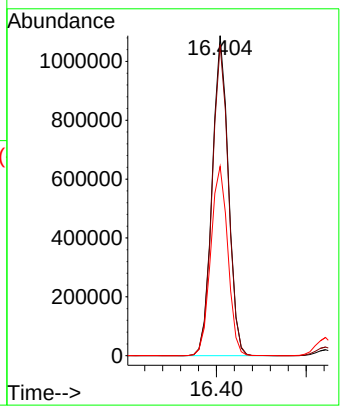





#67
4-Bromophenyl-phenylether
Concen: 47.884 ng
RT: 16.404 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:248 Resp: 136281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.1 | 77.9 | 116.9 |
| 141 | 59.1 | 49.7 | 74.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BS

**Manual Integrations**
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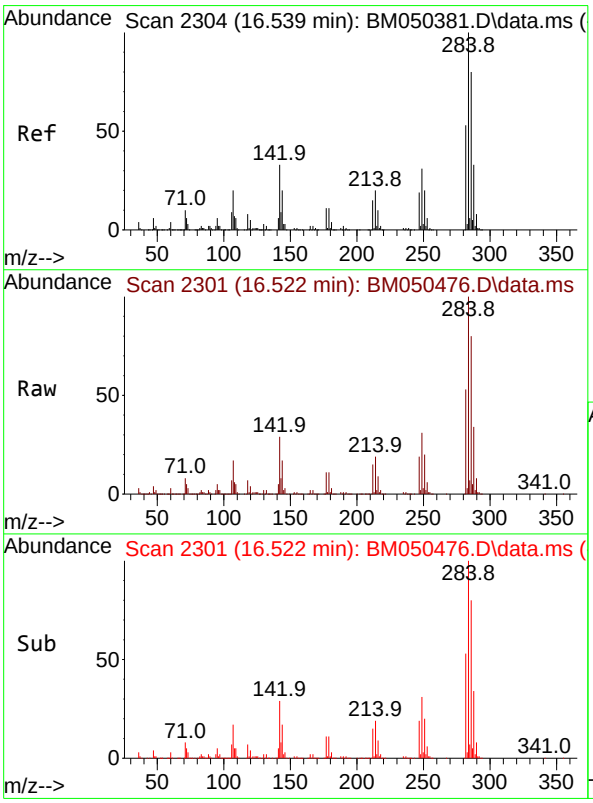
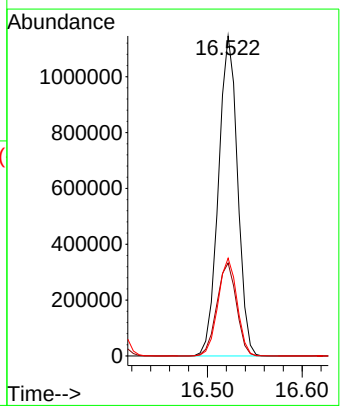
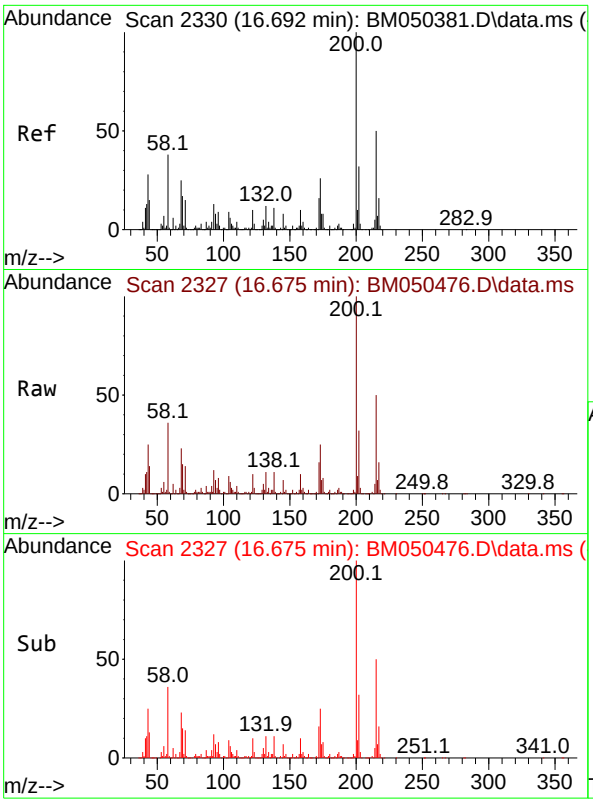



#68
Hexachlorobenzene
Concen: 47.836 ng
RT: 16.522 min Scan# 2301
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:284 Resp: 1607982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 29.1 | 26.8 | 40.2 |
| 249 | 30.6 | 24.5 | 36.7 |






#69
Atrazine
Concen: 50.656 ng
RT: 16.675 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:200 Resp: 134454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.5 | 5.6 | 45.6 |
| 215 | 50.4 | 29.6 | 69.6 |

**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BS

**Manual Integrations**
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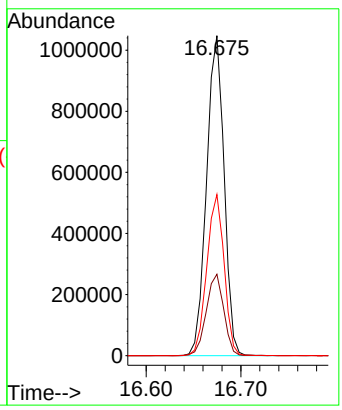
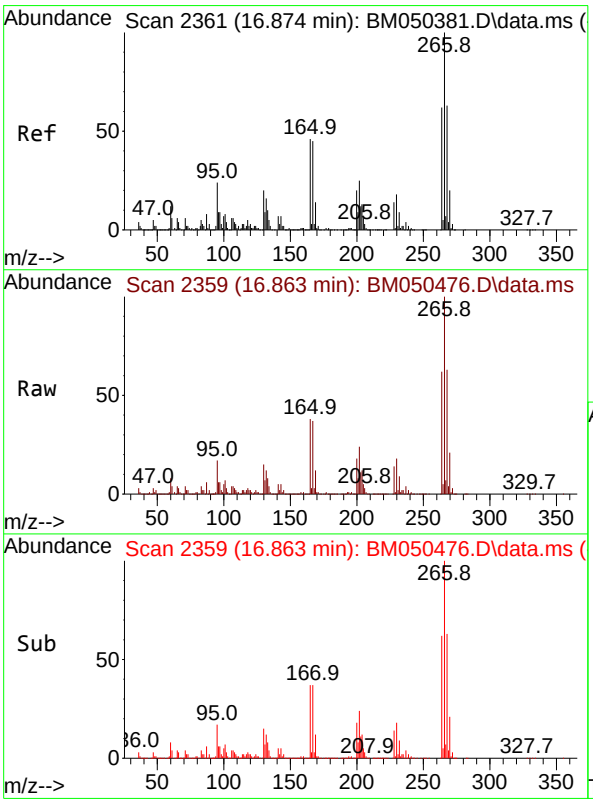
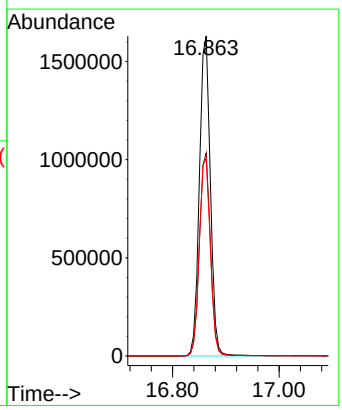


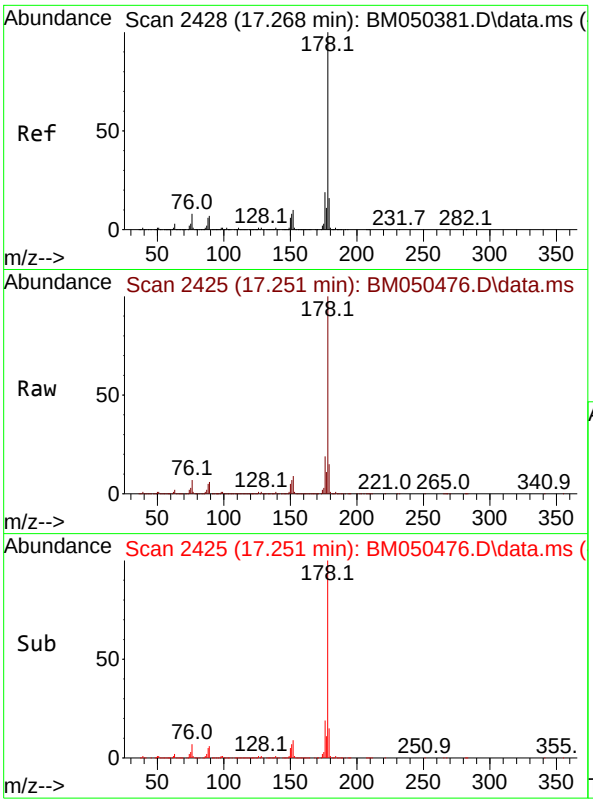




#70
Pentachlorophenol
Concen: 110.974 ng
RT: 16.863 min Scan# 2359
Delta R.T. 0.006 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:266 Resp: 2322182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.4 | 50.5 | 75.7 |
| 264 | 61.7 | 49.9 | 74.9 |

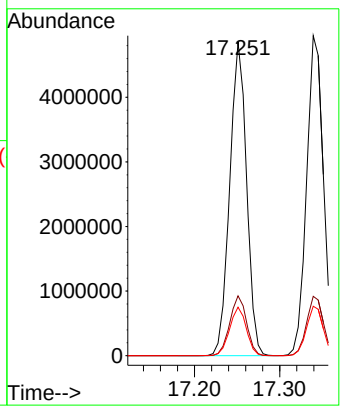





#71
Phenanthrene
Concen: 45.657 ng
RT: 17.251 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:178 Resp: 667385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 15.4 | 23.0 |
| 179 | 15.4 | 12.5 | 18.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BS

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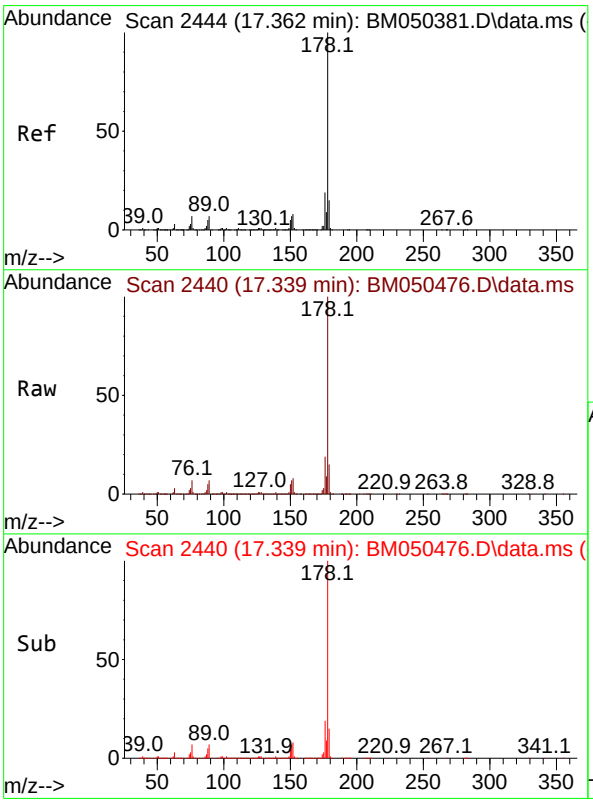
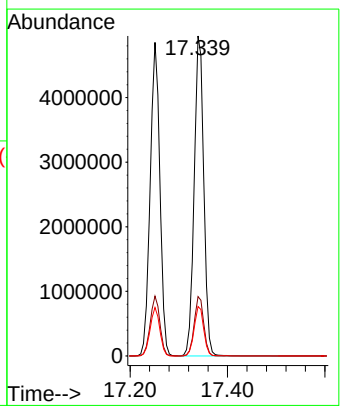
Supervised By :Jagrut Upadhyay 07/18/2025

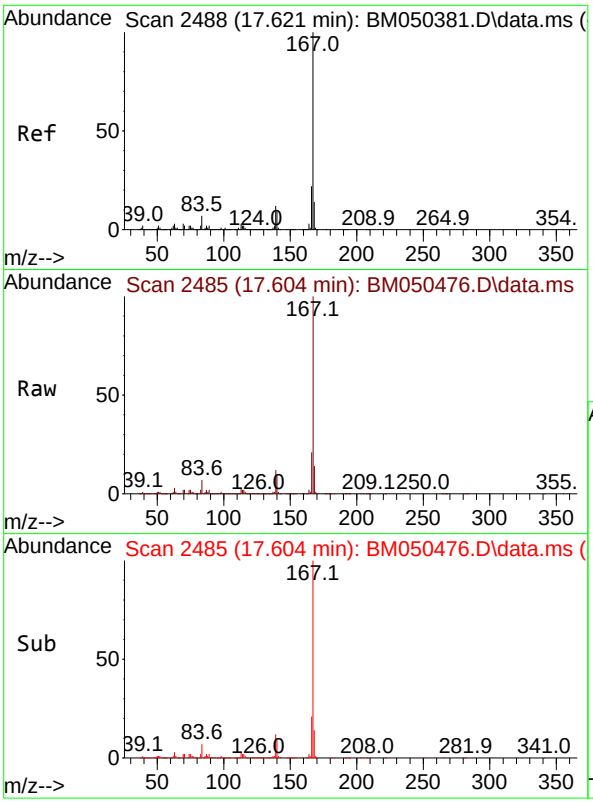



#72
Anthracene
Concen: 46.687 ng
RT: 17.339 min Scan# 2440
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:178 Resp: 6792935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 14.9 | 22.3 |
| 179 | 15.5 | 12.2 | 18.4 |

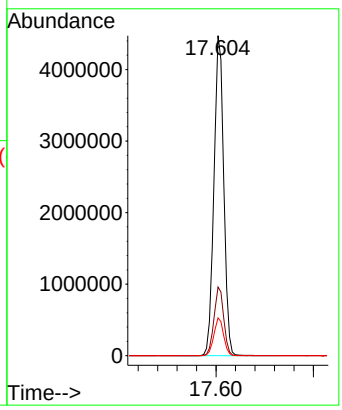





#73
Carbazole
Concen: 47.082 ng
RT: 17.604 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:167 Resp: 619842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.5 | 17.2 | 25.8 |
| 139 | 11.8 | 9.9 | 14.9 |




**Instrument :**
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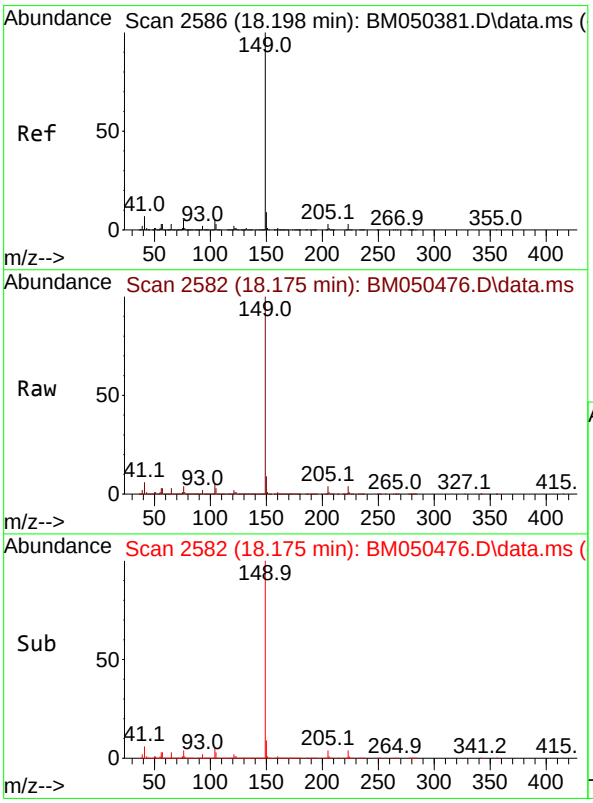
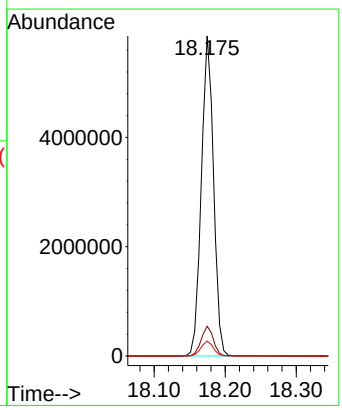
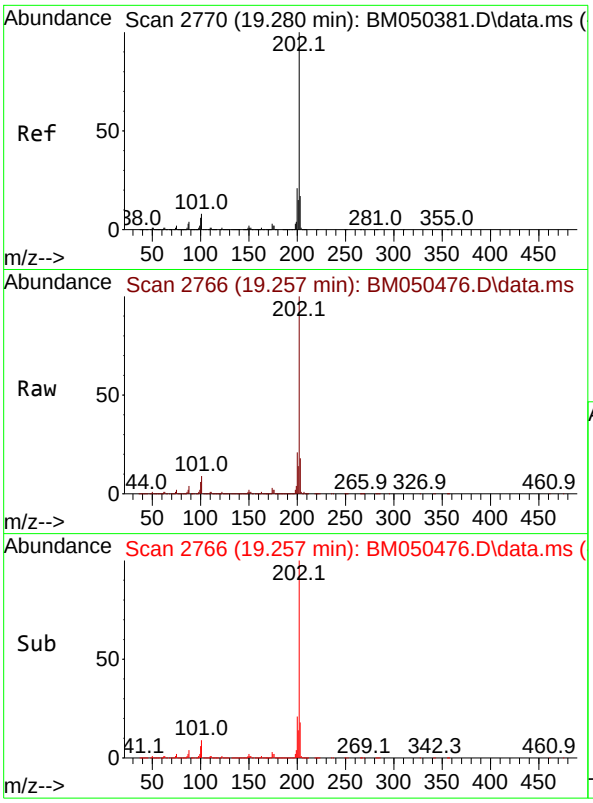



#74
Di-n-butylphthalate
Concen: 48.651 ng
RT: 18.175 min Scan# 2582
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:149 Resp: 7010527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.3 | 10.9 |
| 104 | 4.6 | 3.9 | 5.9 |

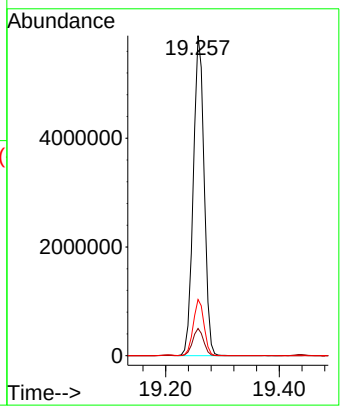





#75
Fluoranthene
Concen: 49.281 ng
RT: 19.257 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:202 Resp: 7831040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.5 | 0.0 | 28.3 |
| 203 | 17.5 | 0.0 | 37.2 |




**Instrument :**
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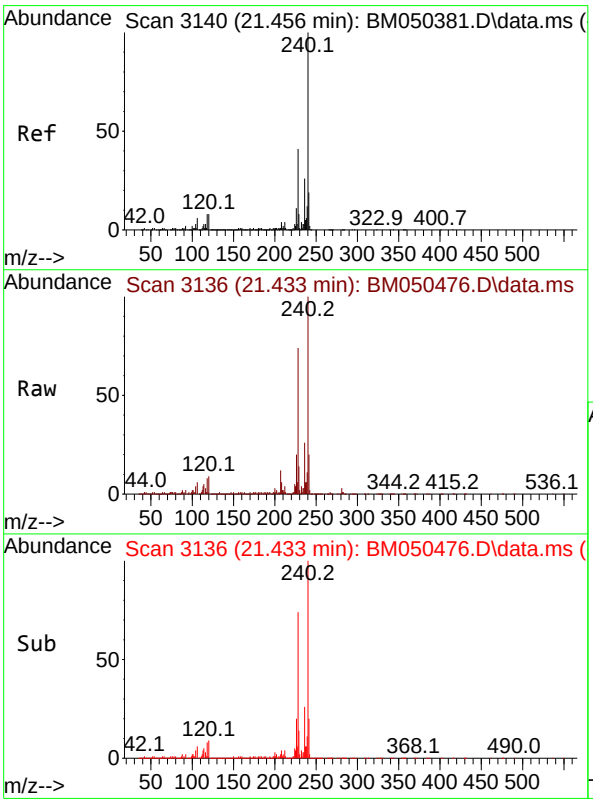
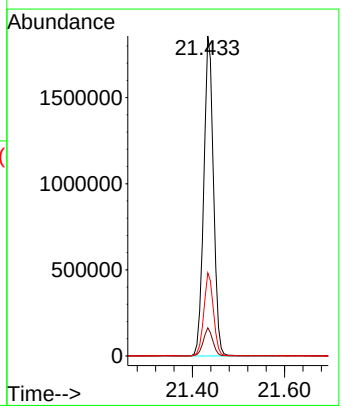
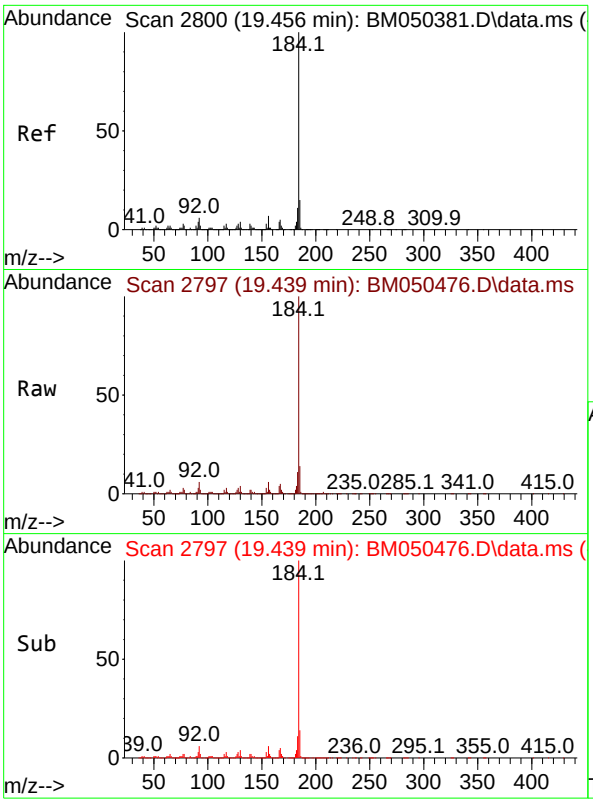



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3136
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:240 Resp: 2737581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.8 | 6.7 | 10.1 |
| 236 | 26.0 | 20.7 | 31.1 |

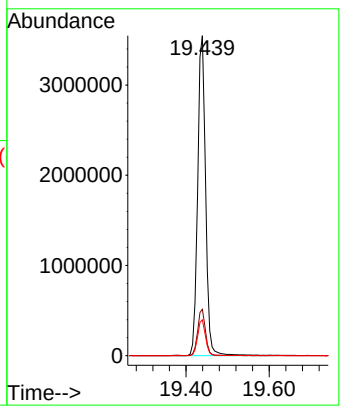





#77
Benzidine
Concen: 67.729 ng
RT: 19.439 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:184 Resp: 472926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.5 | 11.7 | 17.5 |
| 183 | 11.2 | 9.0 | 13.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BS

**Manual Integrations**
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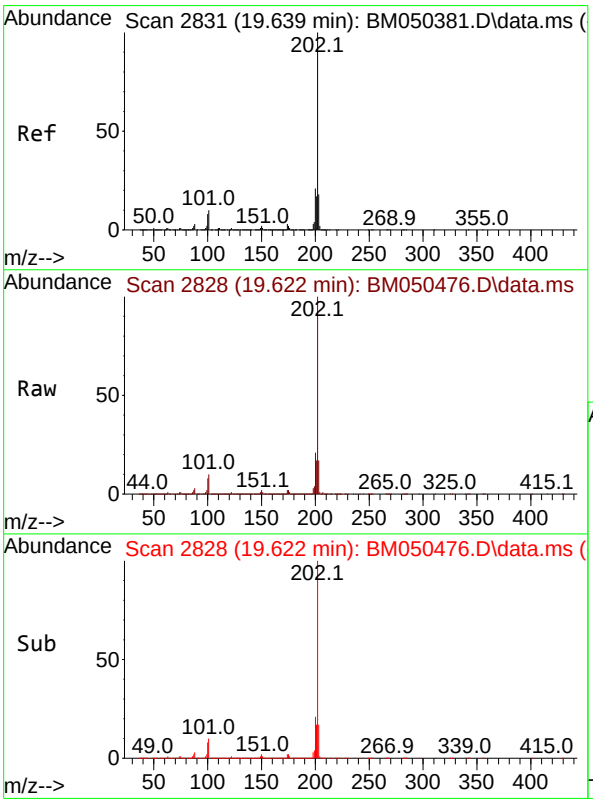
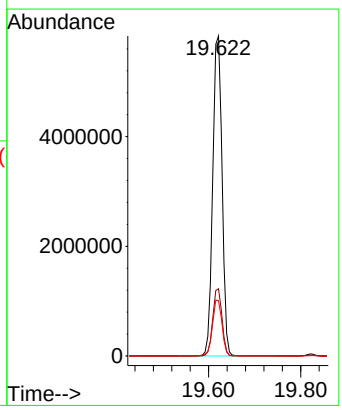
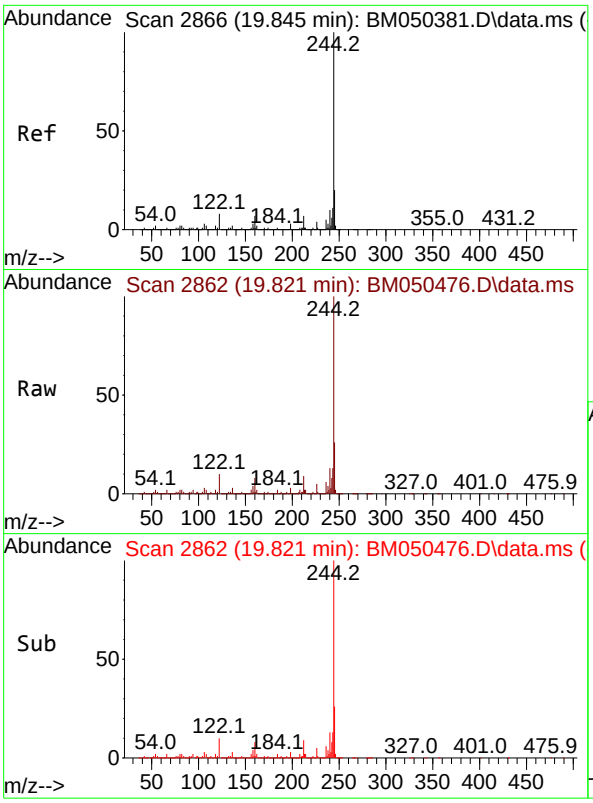



#78
Pyrene
Concen: 46.715 ng
RT: 19.622 min Scan# 2828
Delta R.T. 0.006 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:202 Resp: 8190535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.0 | 16.9 | 25.3 |
| 203 | 17.2 | 14.1 | 21.1 |

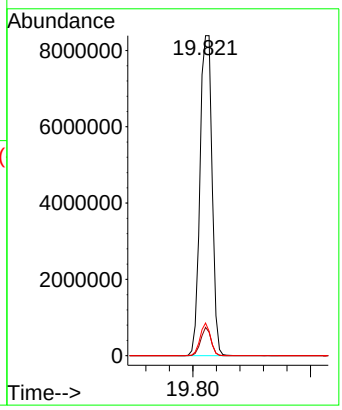





#79
Terphenyl-d14
Concen: 76.774 ng
RT: 19.821 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:244 Resp:1194543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.8 | 5.7 | 8.5# |
| 122 | 10.2 | 6.2 | 9.2# |




**Instrument :**
BNA_M
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PB168885BS

**Manual Integrations**
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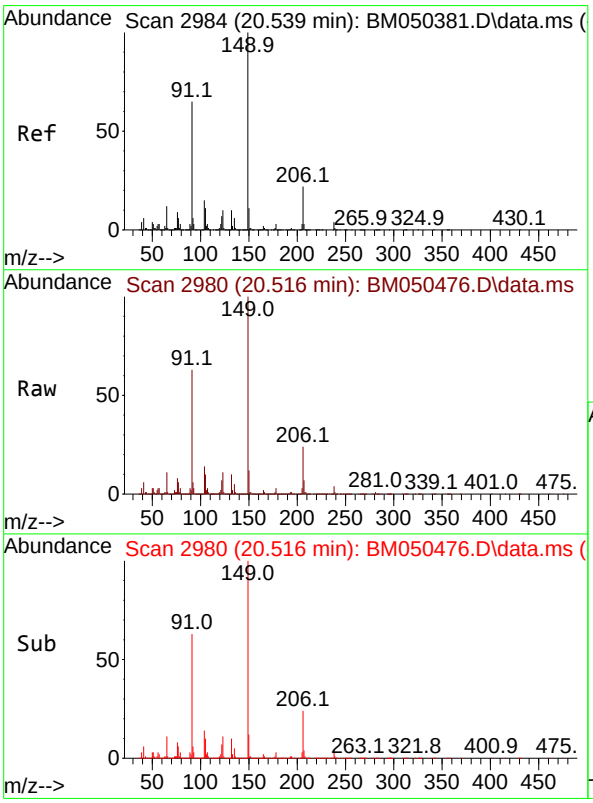
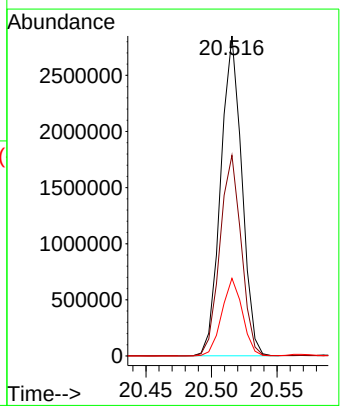
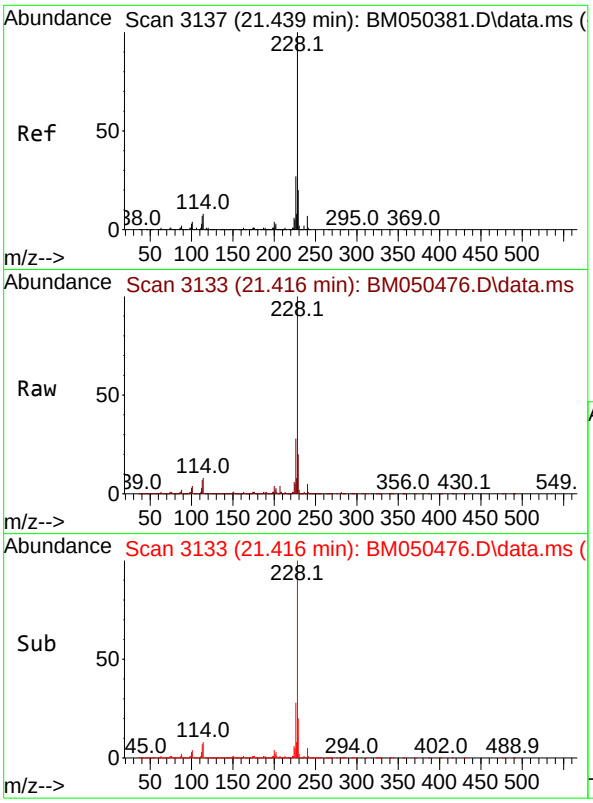



#80
Butylbenzylphthalate
Concen: 55.157 ng
RT: 20.516 min Scan# 2980
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:149 Resp: 3188686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 62.7 | 51.6 | 77.4 |
| 206 | 24.2 | 17.8 | 26.8 |

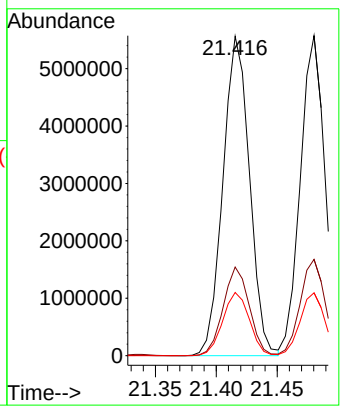





#81
Benzo(a)anthracene
Concen: 47.395 ng
RT: 21.416 min Scan# 3
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:228 Resp: 845398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.7 | 21.8 | 32.8 |
| 229 | 19.8 | 16.0 | 24.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BS

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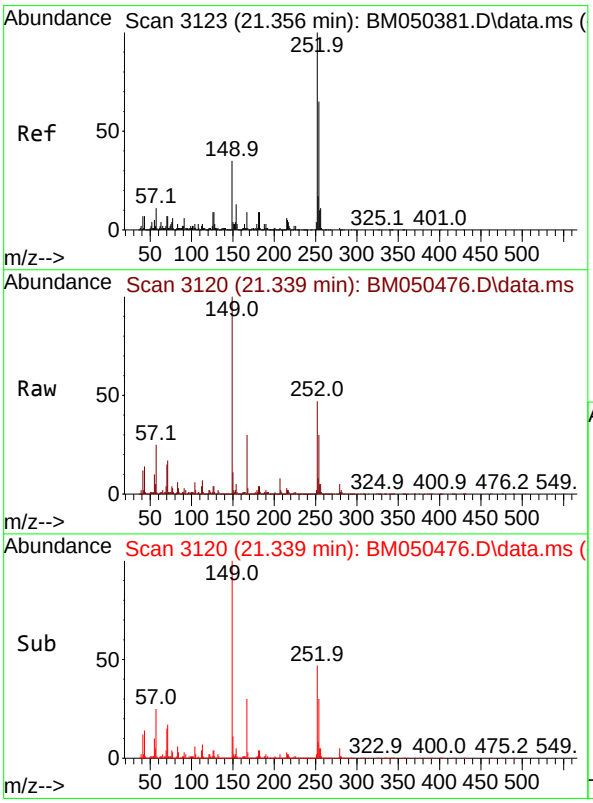
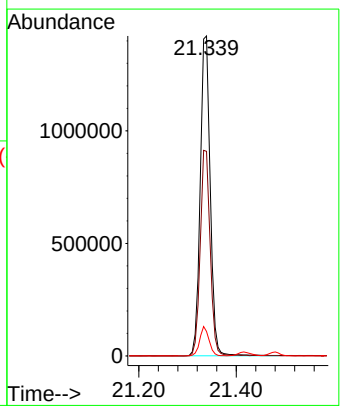
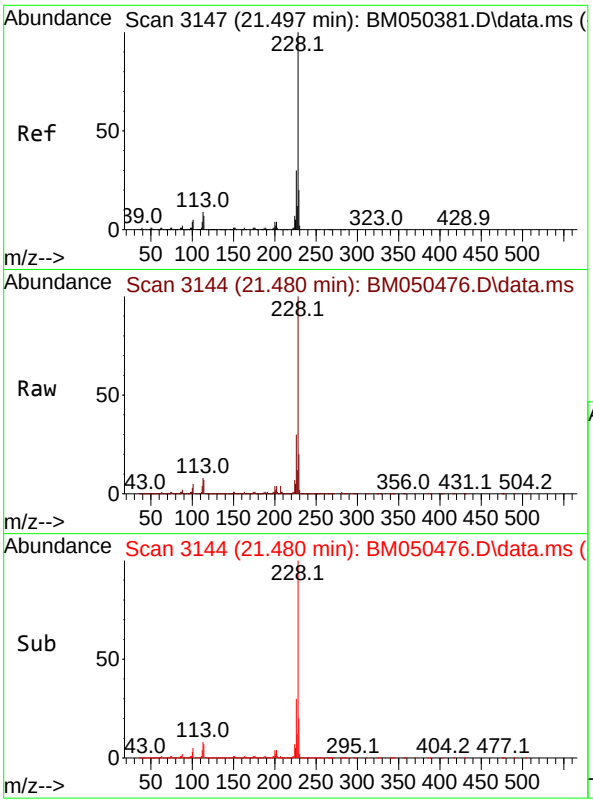



#82
3,3'-Dichlorobenzidine
Concen: 33.631 ng
RT: 21.339 min Scan# 3120
Delta R.T. 0.006 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:252 Resp: 2023008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.0 | 51.7 | 77.5 |
| 126 | 7.6 | 7.3 | 10.9 |

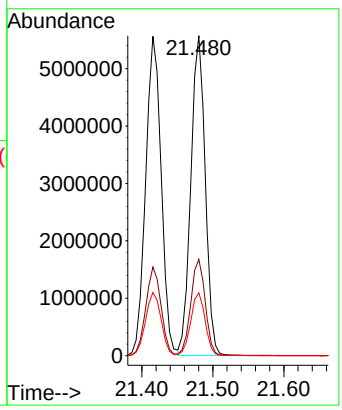





#83
Chrysene
Concen: 46.827 ng
RT: 21.480 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:228 Resp: 787839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 24.2 | 36.4 |
| 229 | 19.7 | 15.8 | 23.6 |




**Instrument :**
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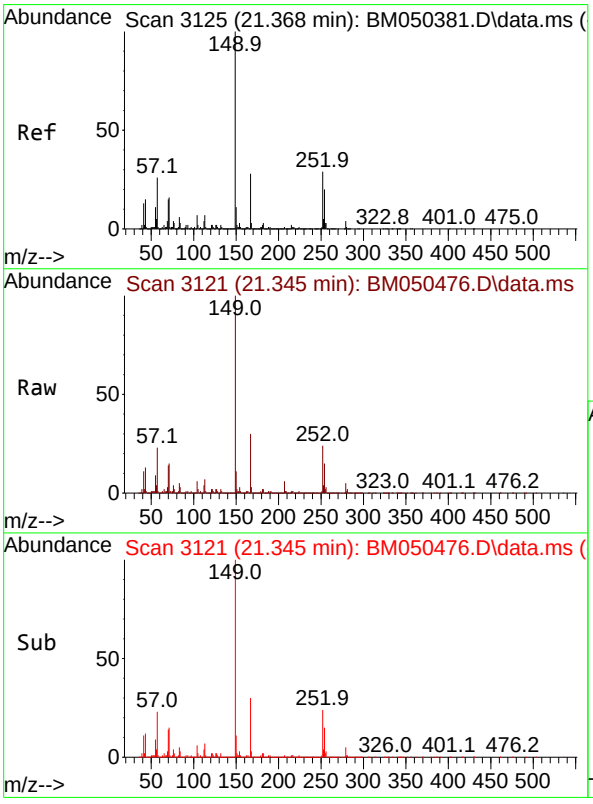
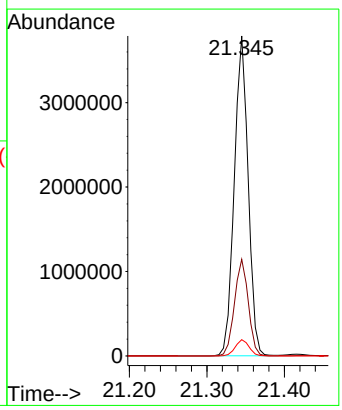
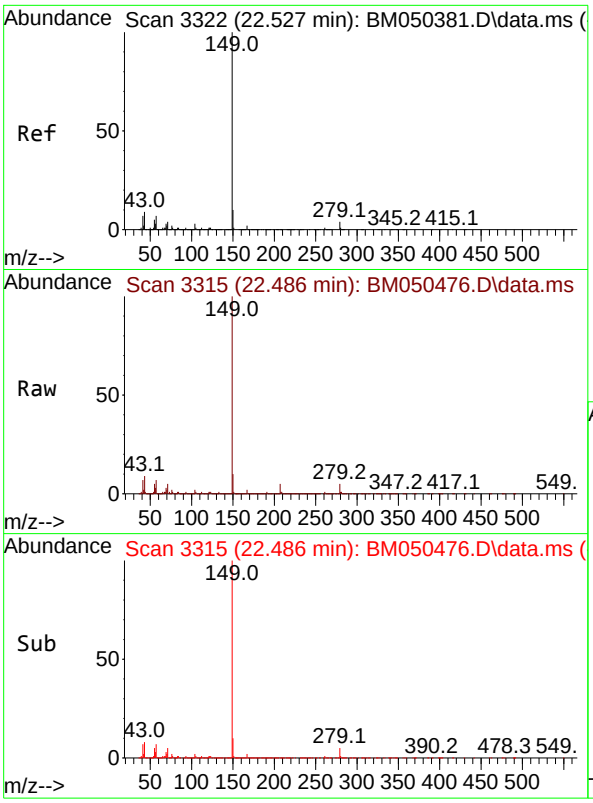



#84
Bis(2-ethylhexyl)phthalate
Concen: 51.429 ng
RT: 21.345 min Scan# 3121
Delta R.T. 0.006 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:149 Resp: 4719847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 30.2 | 22.7 | 34.1 |
| 279 | 5.1 | 3.5 | 5.3 |

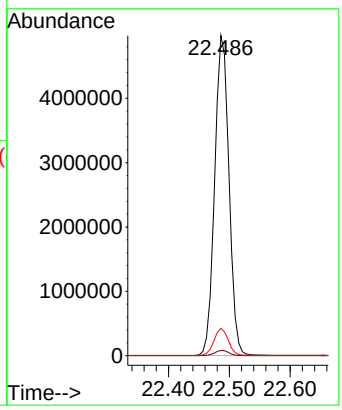





#85
Di-n-octyl phthalate
Concen: 56.350 ng
RT: 22.486 min Scan# 3
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:149 Resp: 809963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 8.5 | 7.7 | 11.5 |




**Instrument :**
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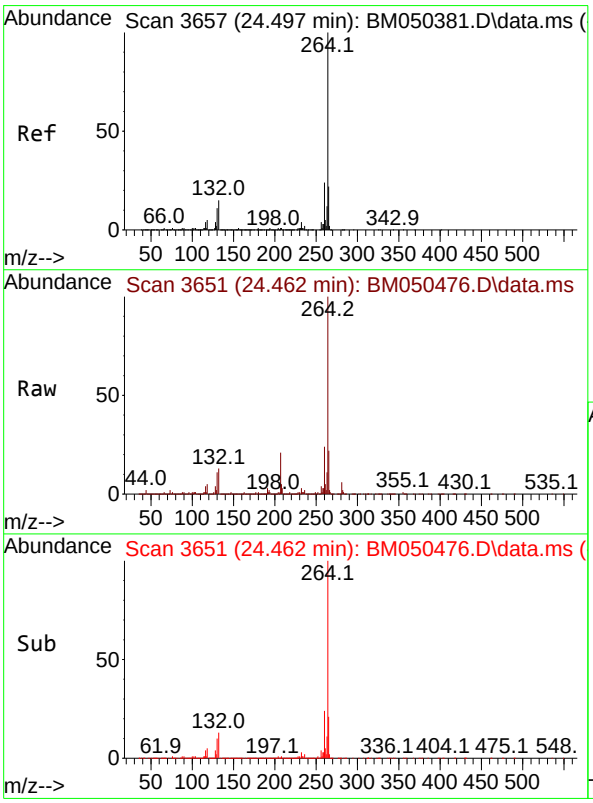
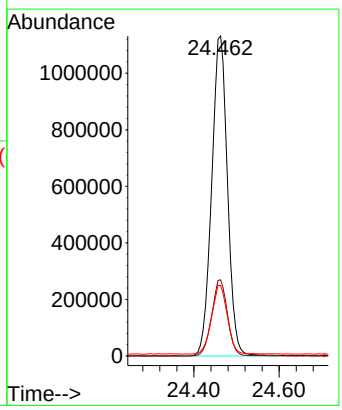
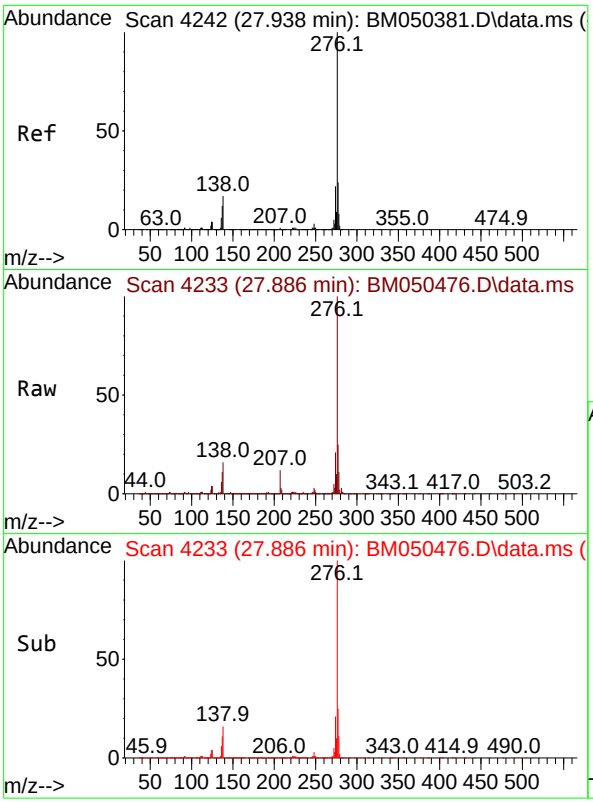



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.462 min Scan# 3651
Delta R.T. 0.006 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:264 Resp: 2912638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 19.2 | 28.8 |
| 265 | 22.0 | 17.8 | 26.6 |

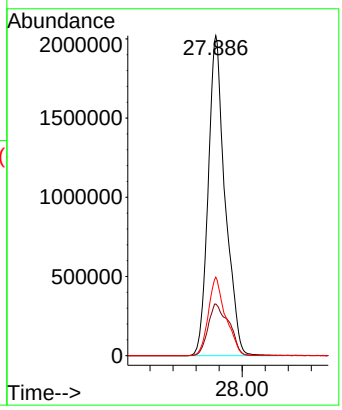





#87
Indeno(1,2,3-cd)pyrene
Concen: 49.702 ng
RT: 27.886 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:276 Resp:1029265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.0 | 17.0 | 25.6 |
| 277 | 25.1 | 20.0 | 30.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BS

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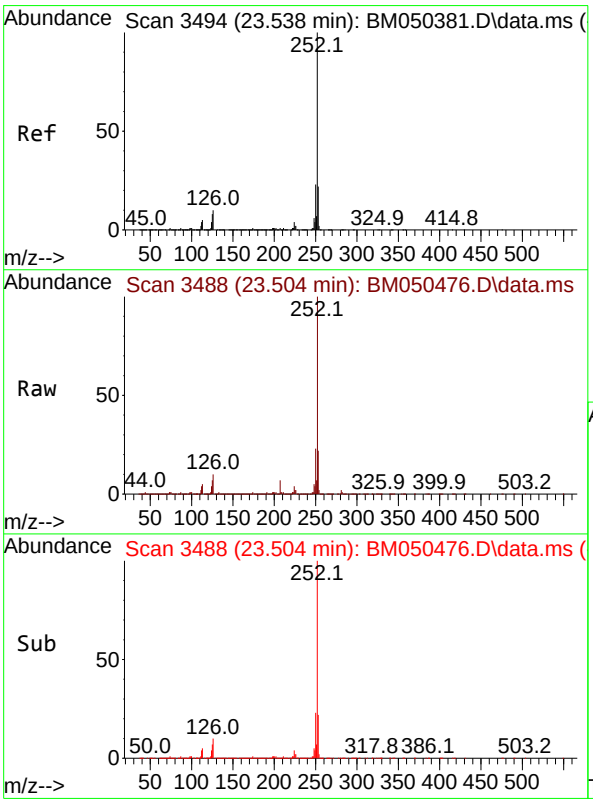
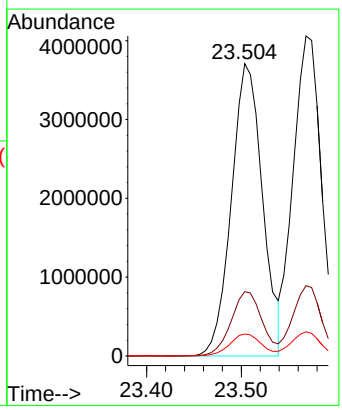
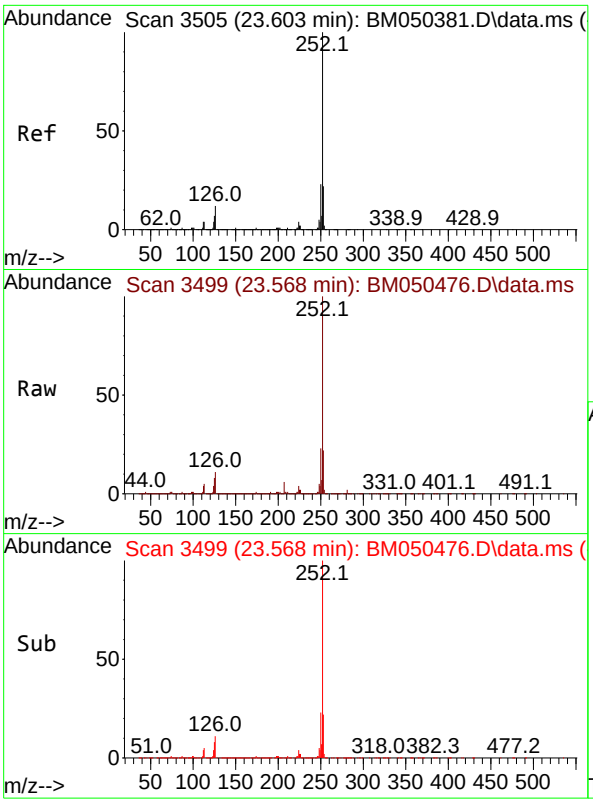



#88
Benzo(b)fluoranthene
Concen: 47.206 ng
RT: 23.504 min Scan# 3488
Delta R.T. 0.000 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:252 Resp: 8457217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.8 | 26.6 |
| 125 | 7.5 | 6.3 | 9.5 |

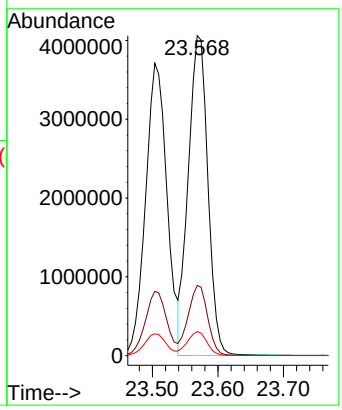





#89
Benzo(k)fluoranthene
Concen: 45.301 ng
RT: 23.568 min Scan# 34
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:252 Resp: 842135

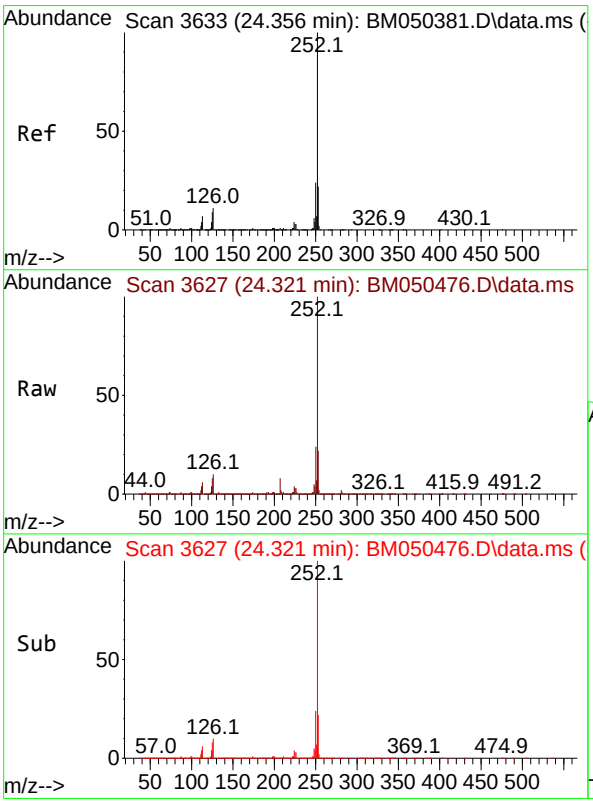
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.6 | 26.4 |
| 125 | 7.5 | 6.2 | 9.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BS

**Manual Integrations**
**APPROVED**

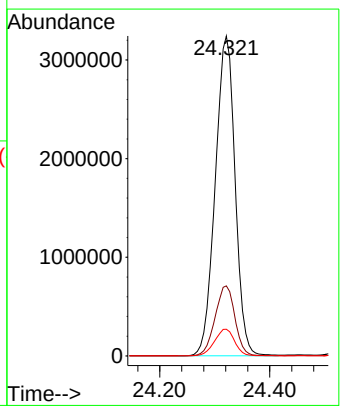
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

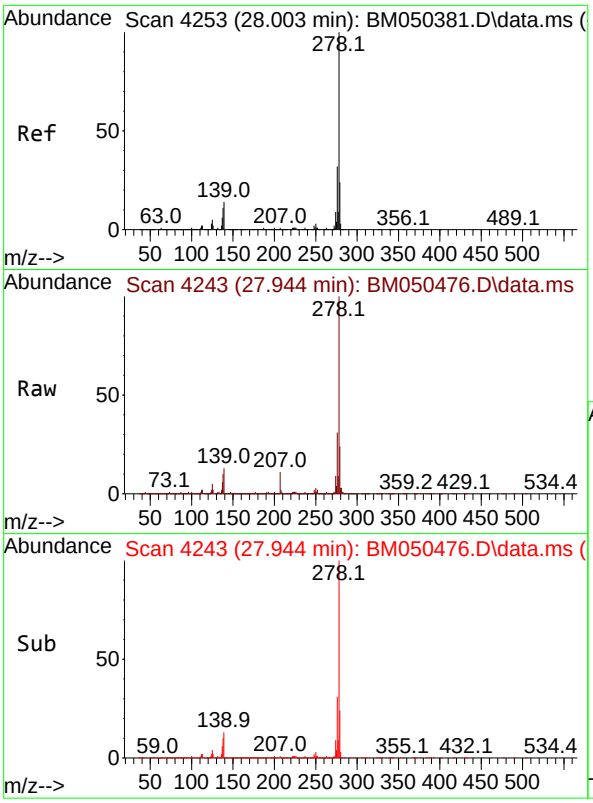



#90
Benzo(a)pyrene
Concen: 48.457 ng
RT: 24.321 min Scan# 3627
Delta R.T. 0.006 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:252 Resp: 8126766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.8 | 26.6 |
| 125 | 8.3 | 7.0 | 10.4 |

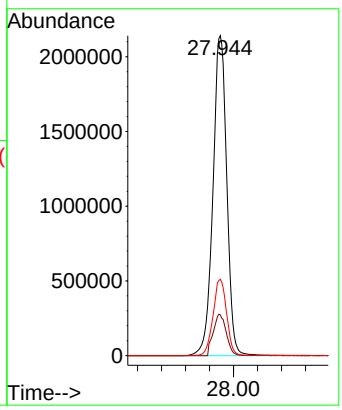





#91
Dibenzo(a,h)anthracene
Concen: 49.191 ng
RT: 27.944 min Scan# 4
Delta R.T. 0.001 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:278 Resp: 857901

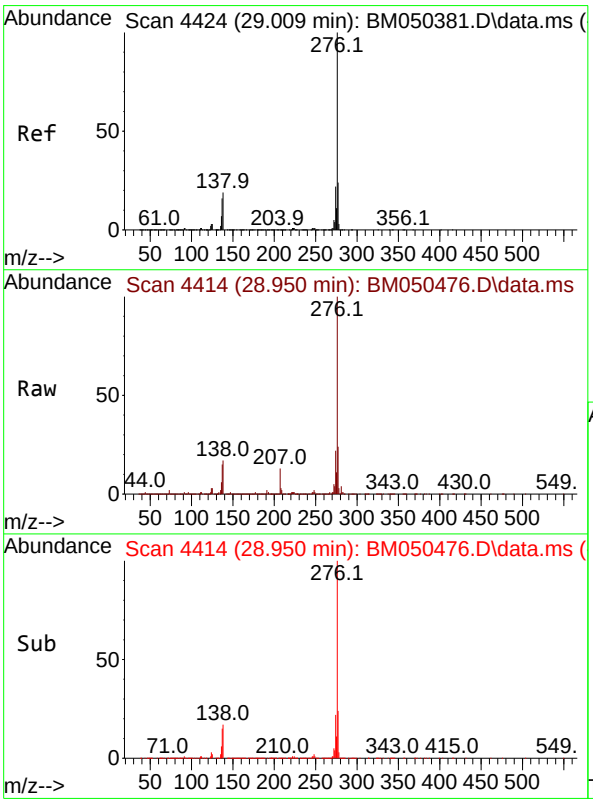
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 12.7 | 10.8 | 16.2 |
| 279 | 23.9 | 19.4 | 29.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
PB168885BS

**Manual Integrations**
**APPROVED**

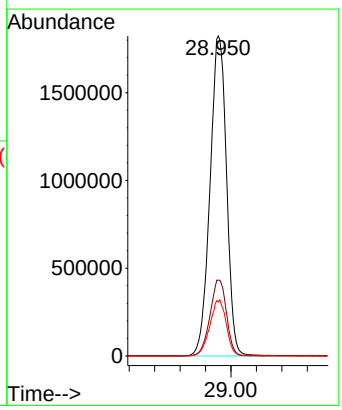
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025




#92
Benzo(g,h,i)perylene
Concen: 49.851 ng
RT: 28.950 min Scan# 4414
Delta R.T. 0.006 min
Lab File: BM050476.D
Acq: 17 Jul 2025 15:57

Tgt Ion:276 Resp: 8216926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 19.1 | 28.7 |
| 138 | 16.9 | 14.9 | 22.3 |



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | PARSONS Engineering of New York, Inc. | Date Collected: | 07/11/25 |
| Project: | Con Edison - East River Site 2 | Date Received: | 07/11/25 |
| Client Sample ID: | WC-SOIL-20250711MS | SDG No.: | Q2592 |
| Lab Sample ID: | Q2592-02MS | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF143122.D | 1 | 07/16/25 10:14 | 07/16/25 22:09 | PB168885 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 110-86-1 | Pyridine | 290 | | 12.8 | 50.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 360 | | 5.30 | 50.0 | ug/L |
| 95-48-7 | 2-Methylphenol | 390 | | 11.2 | 50.0 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 390 | | 11.0 | 100 | ug/L |
| 67-72-1 | Hexachloroethane | 370 | | 6.50 | 50.0 | ug/L |
| 98-95-3 | Nitrobenzene | 430 | | 7.60 | 50.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 390 | | 5.40 | 50.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 440 | | 5.10 | 50.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 430 | | 6.20 | 50.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 460 | | 12.2 | 50.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | 430 | | 5.20 | 50.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 750 | | 15.8 | 100 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 99.9 | | 23 - 138 | 67% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 95.0 | | 10 - 134 | 63% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 80.6 | | 67 - 132 | 81% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 68.4 | | 52 - 132 | 68% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 126 | | 44 - 137 | 84% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 69.6 | | 42 - 152 | 70% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 147000 | 6.969 | | | |
| 1146-65-2 | Naphthalene-d8 | 557000 | 8.245 | | | |
| 15067-26-2 | Acenaphthene-d10 | 280000 | 10.004 | | | |
| 1517-22-2 | Phenanthrene-d10 | 442000 | 11.492 | | | |
| 1719-03-5 | Chrysene-d12 | 237000 | 14.127 | | | |
| 1520-96-3 | Perylene-d12 | 284000 | 15.633 | | | |

Alliance TECHNICAL GROUP
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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | PARSONS Engineering of New York, Inc. | Date Collected: | 07/11/25 |
| Project: | Con Edison - East River Site 2 | Date Received: | 07/11/25 |
| Client Sample ID: | WC-SOIL-20250711MS | SDG No.: | Q2592 |
| Lab Sample ID: | Q2592-02MS | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF143122.D | 1 | 07/16/25 10:14 | 07/16/25 22:09 | PB168885 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143122.D
Acq On : 16 Jul 2025 22:09
Operator : RC/JU
Sample : Q2592-02MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 17 03:45:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MS

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.969 | 152 | 147018 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.245 | 136 | 556657 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 10.004 | 164 | 279575 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.492 | 188 | 442443 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.127 | 240 | 237238 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.633 | 264 | 283551 | 20.000 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.610 | 112 | 929786 | 99.920 | ng | 0.02 |
| 7) Phenol-d6 | 6.586 | 99 | 1110845 | 94.970 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.522 | 82 | 799375 | 80.558 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.792 | 330 | 314839 | 126.298 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.322 | 172 | 1438701 | 68.405 | ng | 0.00 |
| 79) Terphenyl-d14 | 13.074 | 244 | 1130292 | 69.646 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.034 | 88 | 152658 | 32.957 | ng | # 89 |
| 3) Pyridine | 3.716 | 79 | 345508 | 29.456 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.651 | 42 | 218794 | 36.003 | ng | 99 |
| 6) Aniline | 6.628 | 93 | 233504 | 14.176 | ng | 99 |
| 8) 2-Chlorophenol | 6.751 | 128 | 367790 | 39.339 | ng | 100 |
| 9) Benzaldehyde | 6.516 | 77 | 184618 | 20.714 | ng | 99 |
| 10) Phenol | 6.604 | 94 | 447469 | 35.338 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 6.698 | 93 | 371882 | 37.937 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.910 | 146 | 374742 | 35.480 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.986 | 146 | 379205 | 35.686 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 7.139 | 146 | 367410 | 36.258 | ng | 100 |
| 15) Benzyl Alcohol | 7.098 | 79 | 356998 | 41.191 | ng | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.239 | 45 | 669145 | 37.031 | ng | 99 |
| 17) 2-Methylphenol | 7.210 | 107 | 318220 | 39.442 | ng | 99 |
| 18) Hexachloroethane | 7.486 | 117 | 128982 | 37.286 | ng | 97 |
| 19) n-Nitroso-di-n-propyla... | 7.375 | 70 | 284422 | 39.690 | ng | 99 |
| 20) 3+4-Methylphenols | 7.363 | 107 | 384937 | 38.905 | ng | 92 |
| 22) Acetophenone | 7.369 | 105 | 517043 | 38.531 | ng | 94 |
| 24) Nitrobenzene | 7.545 | 77 | 408070 | 42.599 | ng | 97 |
| 25) Isophorone | 7.781 | 82 | 781406 | 40.742 | ng | 99 |
| 26) 2-Nitrophenol | 7.857 | 139 | 167379 | 44.075 | ng | 98 |
| 27) 2,4-Dimethylphenol | 7.892 | 122 | 365844 | 41.098 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.986 | 93 | 475295 | 40.866 | ng | 99 |
| 29) 2,4-Dichlorophenol | 8.098 | 162 | 309908 | 42.554 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.186 | 180 | 318849 | 38.578 | ng | 99 |
| 31) Naphthalene | 8.269 | 128 | 1074621 | 38.875 | ng | 100 |
| 33) 4-Chloroaniline | 8.304 | 127 | 61328 | 5.517 | ng | 99 |
| 34) Hexachlorobutadiene | 8.392 | 225 | 192967 | 39.039 | ng | 99 |
| 35) Caprolactam | 8.663 | 113 | 80291m | 35.306 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.786 | 107 | 340734 | 42.002 | ng | 100 |
| 37) 2-Methylnaphthalene | 8.963 | 142 | 671479 | 40.718 | ng | 99 |
| 38) 1-Methylnaphthalene | 9.063 | 142 | 688897 | 40.277 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.127 | 216 | 318144 | 39.048 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 9.122 | 237 | 357351 | 79.110 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.233 | 196 | 222112 | 43.874 | ng | 99 |
| 44) 2,4,5-Trichlorophenol | 9.275 | 196 | 229401 | 43.216 | ng | 98 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143122.D
Acq On : 16 Jul 2025 22:09
Operator : RC/JU
Sample : Q2592-02MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 17 03:45:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MS

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 46) 1,1'-Biphenyl | 9.422 | 154 | 899008 | 40.322 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.451 | 162 | 655257 | 40.006 | ng | | 99 |
| 48) 2-Nitroaniline | 9.533 | 65 | 211327 | 43.531 | ng | | 99 |
| 49) Acenaphthylene | 9.869 | 152 | 1124808 | 41.213 | ng | | 100 |
| 50) Dimethylphthalate | 9.722 | 163 | 771833 | 43.883 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.780 | 165 | 157757 | 45.543 | ng | | 90 |
| 52) Acenaphthene | 10.039 | 154 | 647980 | 40.233 | ng | | 99 |
| 53) 3-Nitroaniline | 9.945 | 138 | 90479 | 23.807 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 10.045 | 184 | 24192 | 26.899 | ng | # | 1 |
| 55) Dibenzofuran | 10.210 | 168 | 979540 | 40.804 | ng | | 99 |
| 56) 4-Nitrophenol | 10.098 | 139 | 229295 | 75.913 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 10.180 | 165 | 200358 | 46.293 | ng | | 99 |
| 58) Fluorene | 10.551 | 166 | 727865 | 40.441 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.322 | 232 | 185838 | 44.054 | ng | | 99 |
| 60) Diethylphthalate | 10.422 | 149 | 727950 | 42.899 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.545 | 204 | 357337 | 41.424 | ng | | 99 |
| 62) 4-Nitroaniline | 10.557 | 138 | 148386 | 44.897 | ng | | 100 |
| 63) Azobenzene | 10.704 | 77 | 789208 | 42.054 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.586 | 198 | 31475 | 24.093 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 10.657 | 169 | 657305 | 42.294 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 11.033 | 248 | 217241 | 43.176 | ng | | 98 |
| 68) Hexachlorobenzene | 11.104 | 284 | 227007 | 42.521 | ng | | 98 |
| 69) Atrazine | 11.180 | 200 | 182643 | 45.934 | ng | | 98 |
| 70) Pentachlorophenol | 11.292 | 266 | 219946 | 75.092 | ng | | 98 |
| 71) Phenanthrene | 11.516 | 178 | 994655 | 41.656 | ng | | 99 |
| 72) Anthracene | 11.569 | 178 | 1004134 | 41.818 | ng | | 100 |
| 73) Carbazole | 11.716 | 167 | 889232 | 41.337 | ng | | 100 |
| 74) Di-n-butylphthalate | 12.051 | 149 | 945553 | 47.886 | ng | | 100 |
| 75) Fluoranthene | 12.704 | 202 | 914970 | 42.142 | ng | | 99 |
| 77) Benzidine | 12.816 | 184 | 152530 | 18.872 | ng | | 99 |
| 78) Pyrene | 12.933 | 202 | 910638 | 41.371 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.545 | 149 | 215653 | 48.710 | ng | | 97 |
| 81) Benzo(a)anthracene | 14.121 | 228 | 695070 | 43.967 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 14.074 | 252 | 65861 | 14.346 | ng | | 100 |
| 83) Chrysene | 14.157 | 228 | 618809 | 42.501 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.110 | 149 | 310803 | 46.699 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.727 | 149 | 608309 | 48.177 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.180 | 276 | 915260 | 43.399 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.192 | 252 | 700576 | 42.833 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.221 | 252 | 711413 | 45.593 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.574 | 252 | 698480 | 45.154 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.198 | 278 | 737065 | 42.753 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.645 | 276 | 735081 | 41.822 | ng | | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

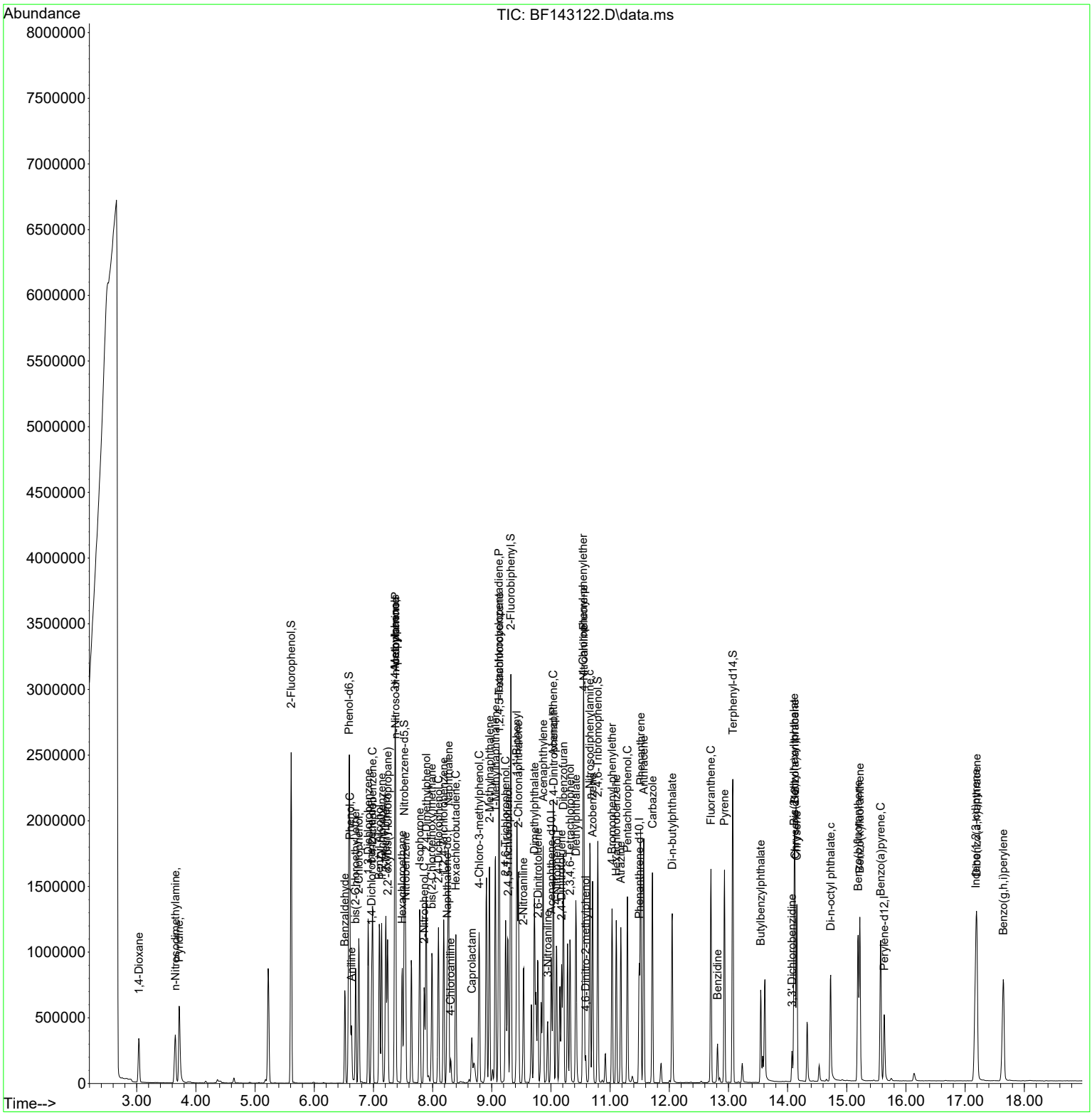
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143122.D
Acq On : 16 Jul 2025 22:09
Operator : RC/JU
Sample : Q2592-02MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

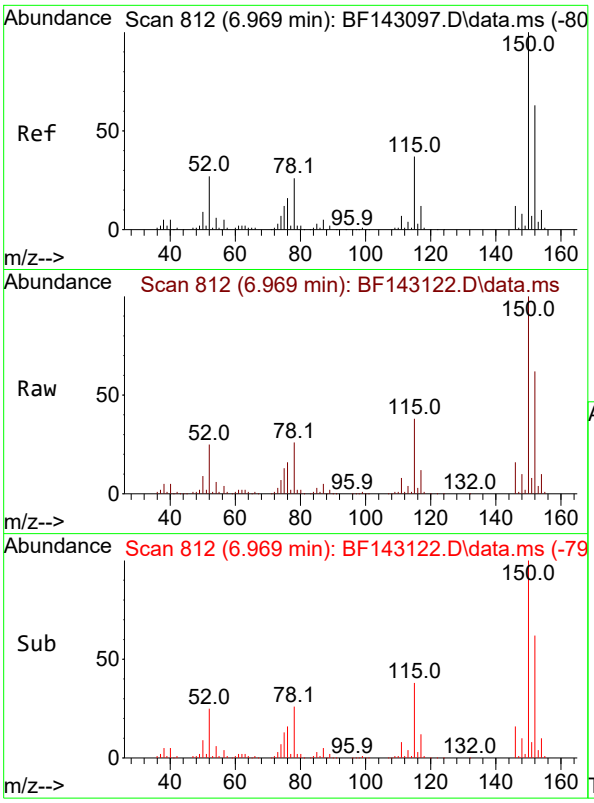
Quant Time: Jul 17 03:45:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MS

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

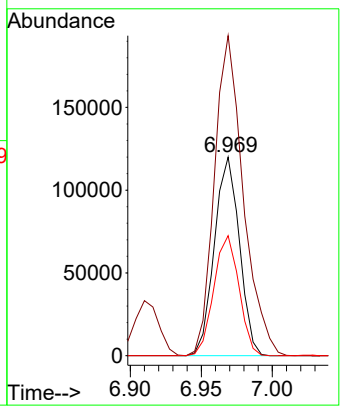





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:152 Resp: 14701

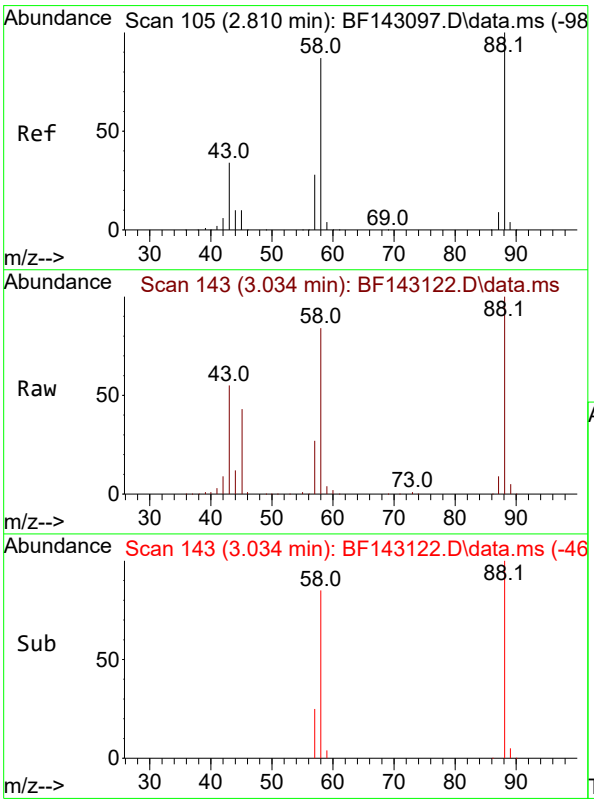
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 161.1 | 126.5 | 189.7 |
| 115 | 60.5 | 47.0 | 70.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MS

**Manual Integrations**
**APPROVED**

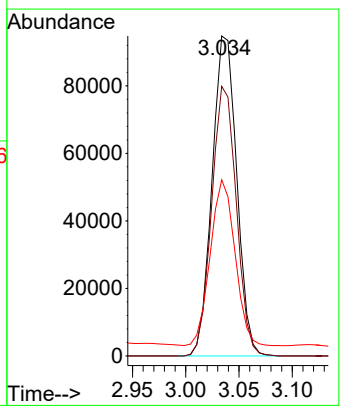
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

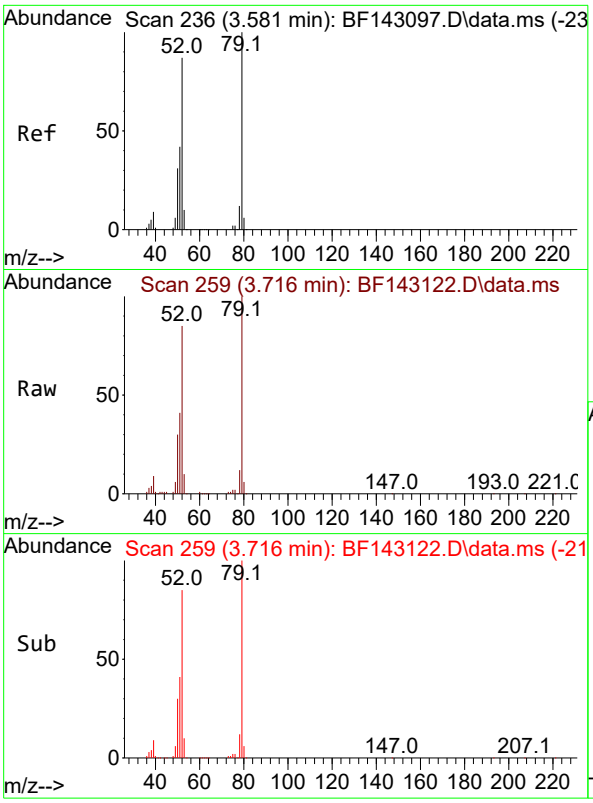



#2
1,4-Dioxane
Concen: 32.957 ng
RT: 3.034 min Scan# 143
Delta R.T. 0.223 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion: 88 Resp: 152658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 84.4 | 70.5 | 105.7 |
| 43 | 51.7 | 27.3 | 40.9# |

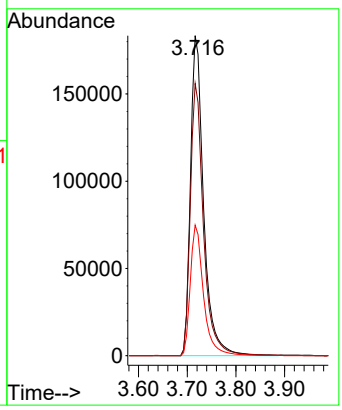





#3
Pyridine
Concen: 29.456 ng
RT: 3.716 min Scan# 2
Delta R.T. 0.135 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion: 79 Resp: 34550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 85.0 | 69.2 | 103.8 |
| 51 | 40.8 | 33.3 | 49.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MS

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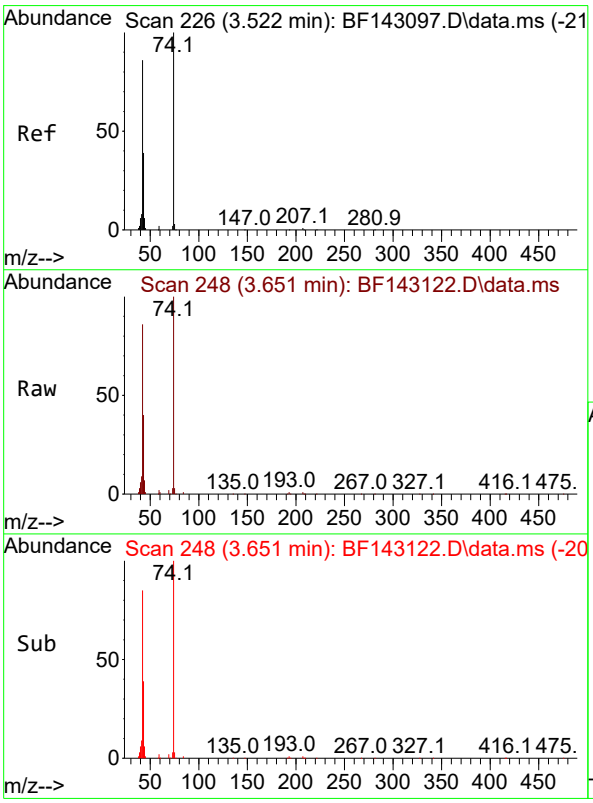
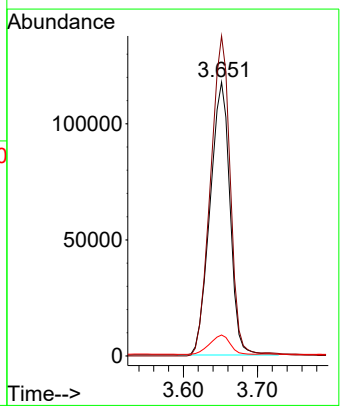
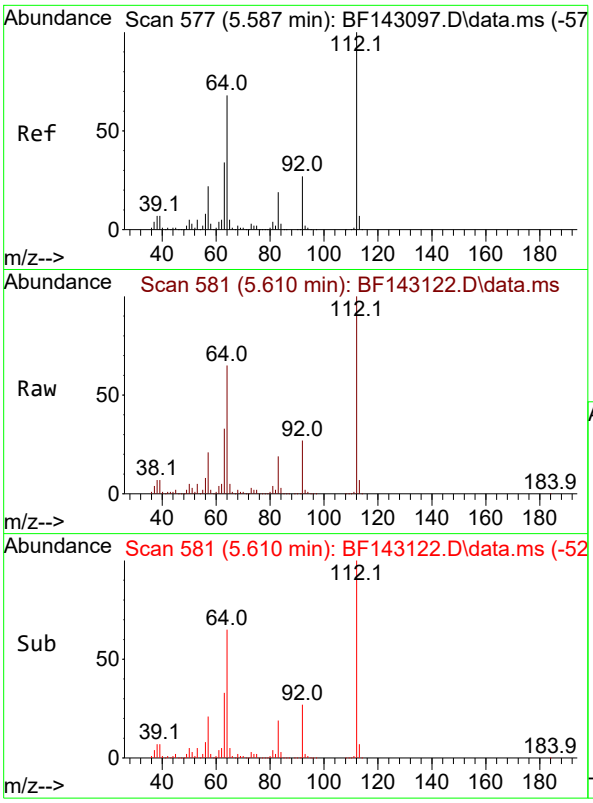



#4
n-Nitrosodimethylamine
Concen: 36.003 ng
RT: 3.651 min Scan# 248
Delta R.T. 0.129 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion: 42 Resp: 218794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 116.9 | 92.8 | 139.2 |
| 44 | 7.7 | 5.8 | 8.6 |

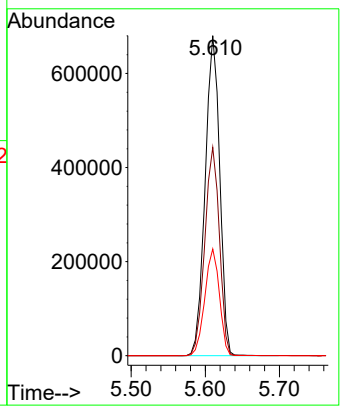





#5
2-Fluorophenol
Concen: 99.920 ng
RT: 5.610 min Scan# 5
Delta R.T. 0.023 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:112 Resp: 92978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 65.1 | 54.6 | 82.0 |
| 63 | 33.4 | 27.3 | 40.9 |

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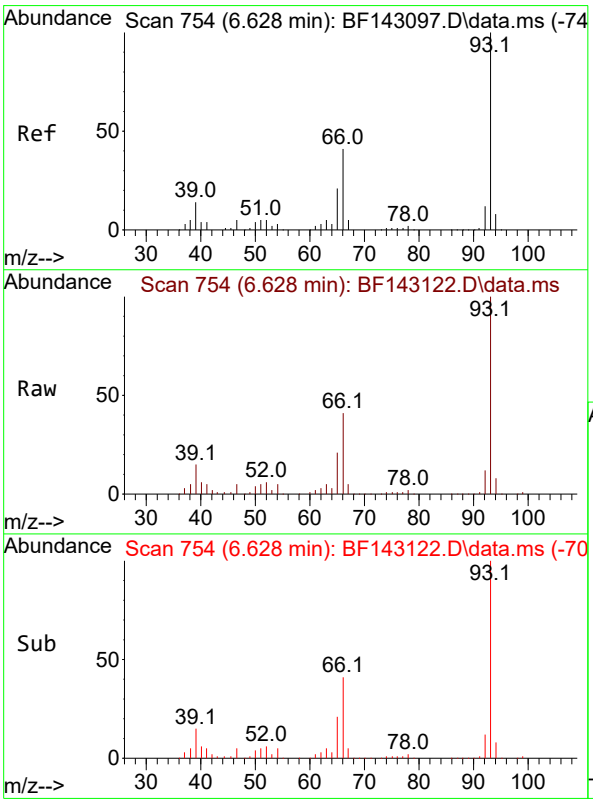
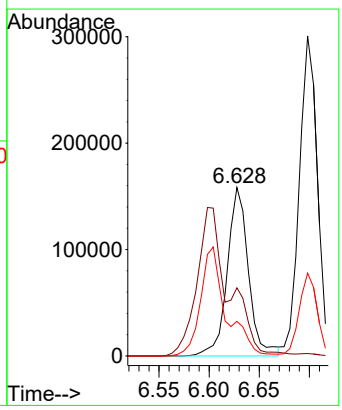
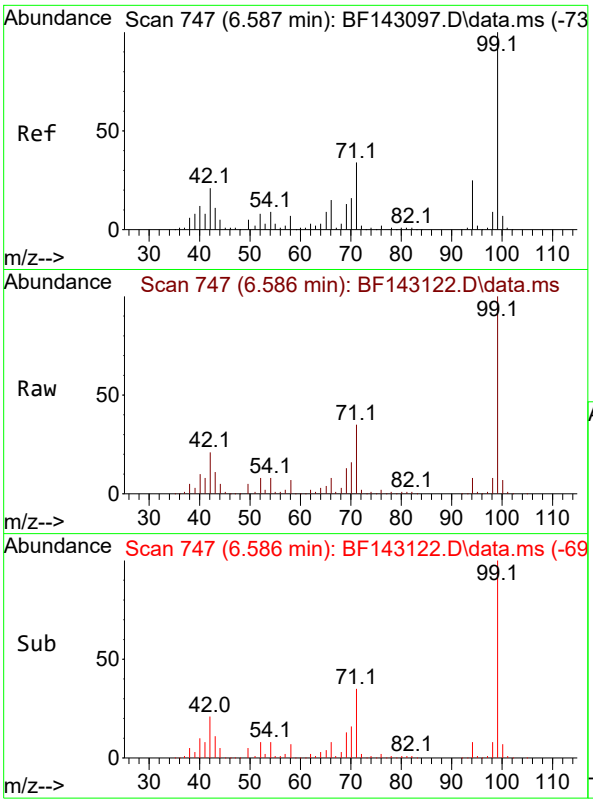



#6
Aniline
Concen: 14.176 ng
RT: 6.628 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion: 93 Resp: 233504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 40.5 | 33.1 | 49.7 |
| 65 | 20.5 | 16.9 | 25.3 |

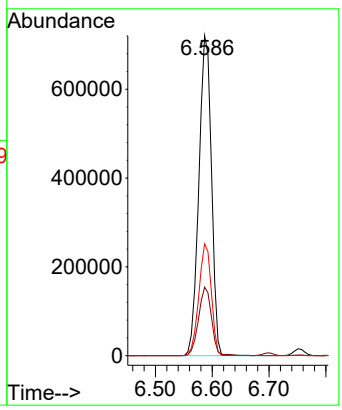





#7
Phenol-d6
Concen: 94.970 ng
RT: 6.586 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion: 99 Resp: 111084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.4 | 17.2 | 25.8 |
| 71 | 35.0 | 27.4 | 41.0 |

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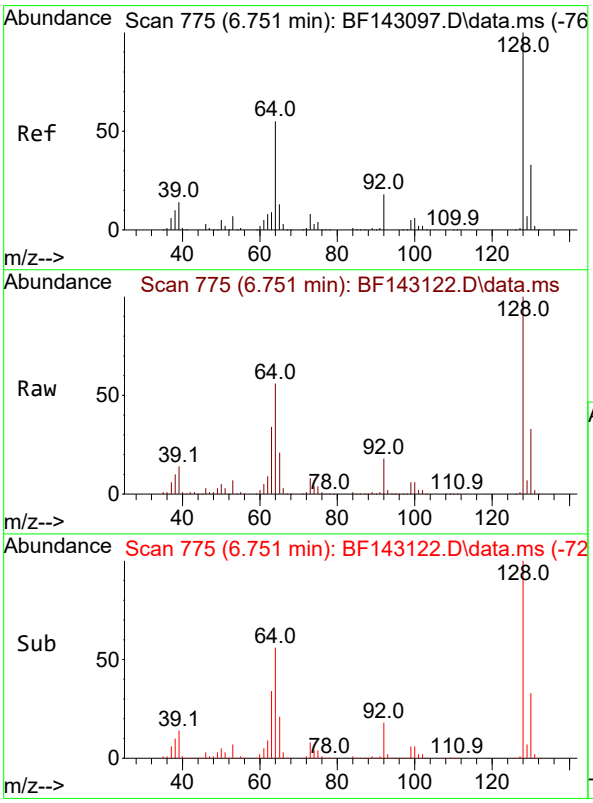
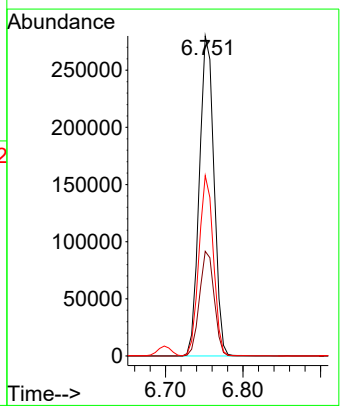
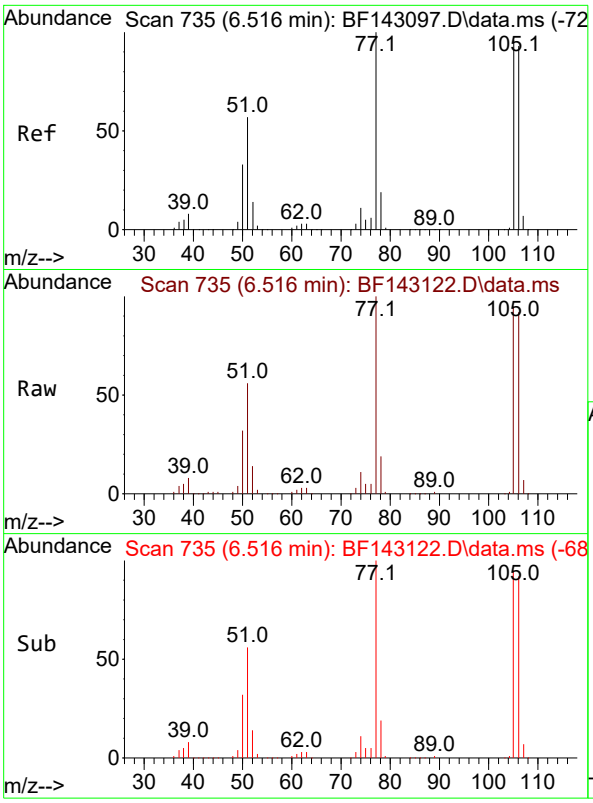



#8
2-Chlorophenol
Concen: 39.339 ng
RT: 6.751 min Scan# 775
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:128 Resp: 367790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.7 | 12.8 | 52.8 |
| 64 | 56.3 | 36.1 | 76.1 |

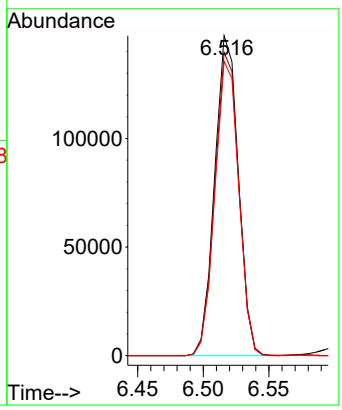





#9
Benzaldehyde
Concen: 20.714 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion: 77 Resp: 18461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 94.7 | 76.3 | 116.3 |
| 106 | 92.0 | 72.8 | 112.8 |

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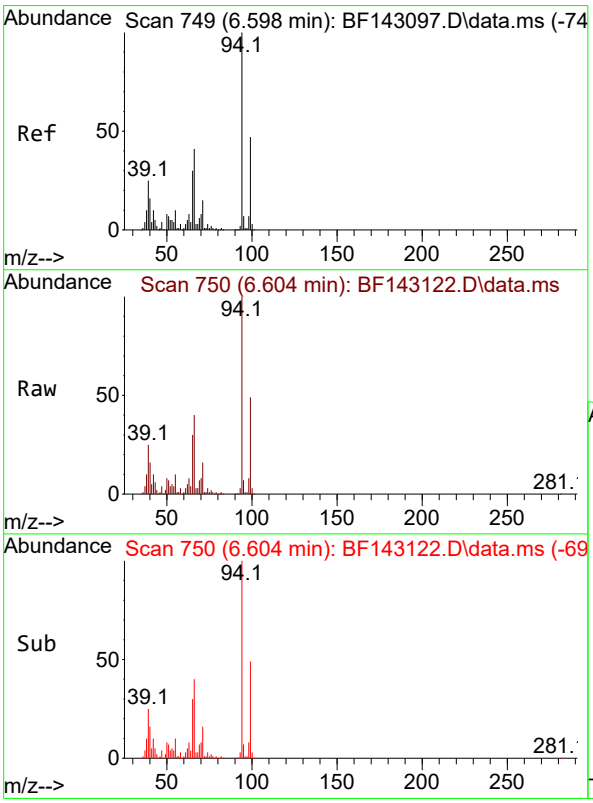
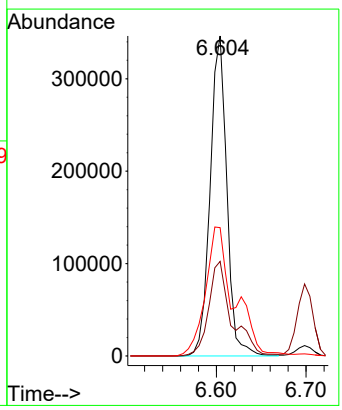
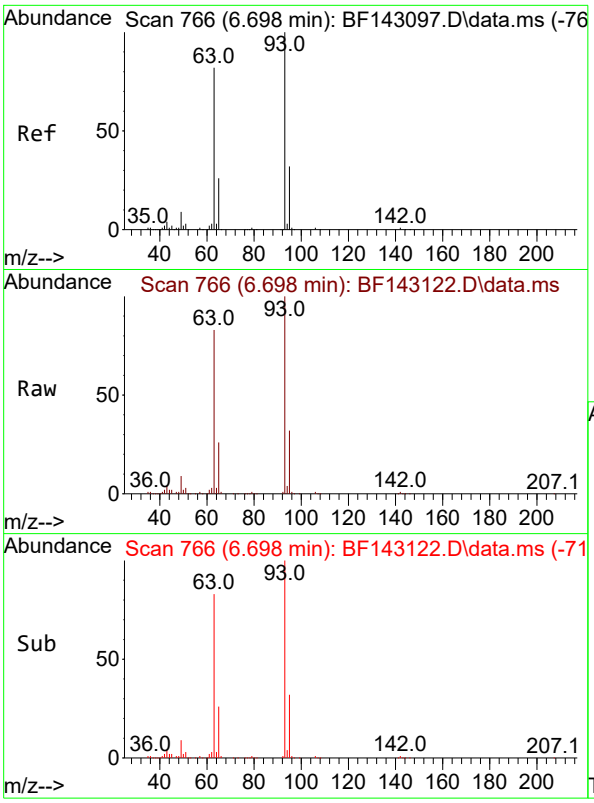



#10
Phenol
Concen: 35.338 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion: 94 Resp: 447469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.6 | 9.8 | 49.8 |
| 66 | 40.1 | 20.5 | 60.5 |

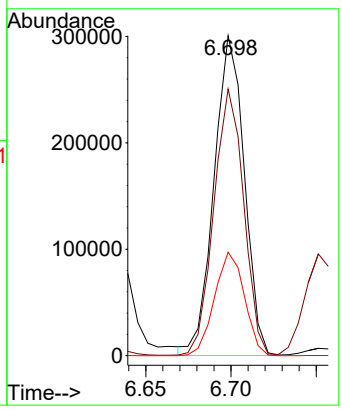





#11
bis(2-Chloroethyl)ether
Concen: 37.937 ng
RT: 6.698 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion: 93 Resp: 37188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 83.4 | 61.9 | 101.9 |
| 95 | 32.4 | 12.2 | 52.2 |




**Instrument :**
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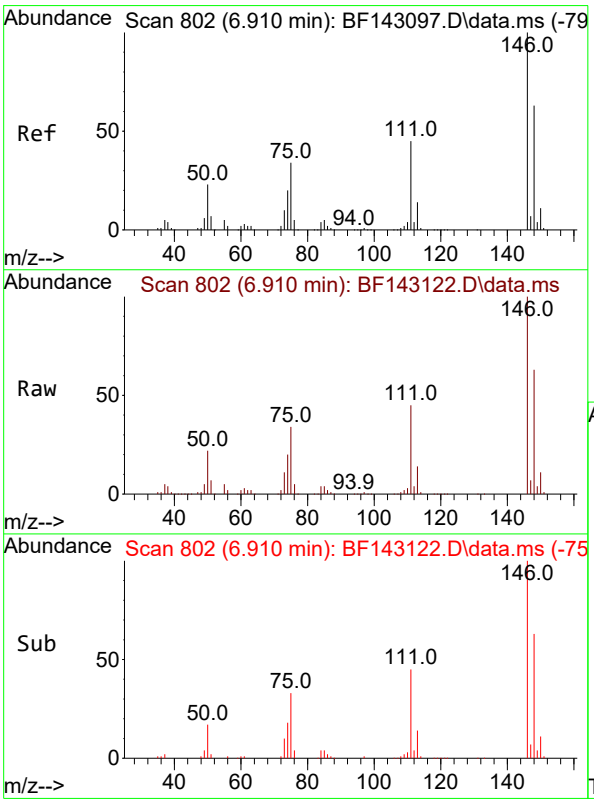
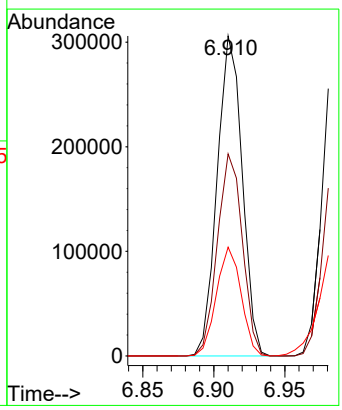
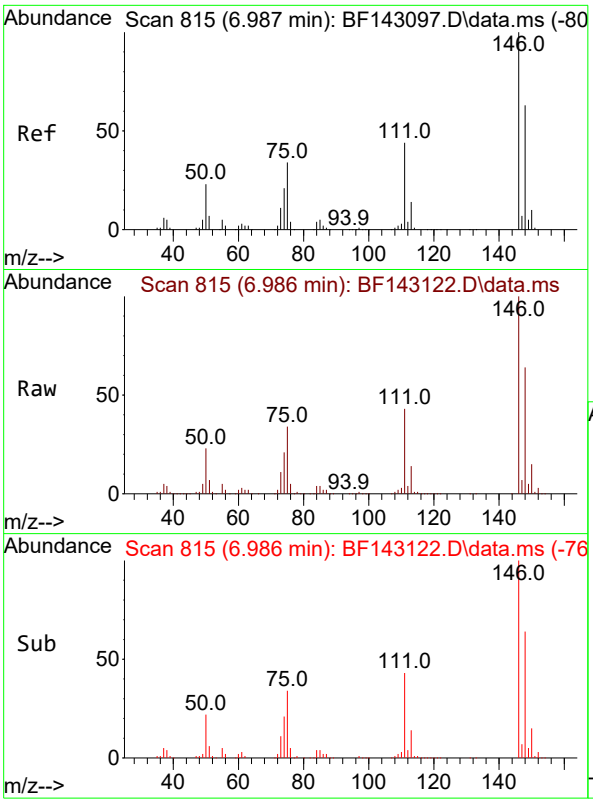



#12
1,3-Dichlorobenzene
Concen: 35.480 ng
RT: 6.910 min Scan# 802
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:146 Resp: 374742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.2 | 50.1 | 75.1 |
| 75 | 34.0 | 27.4 | 41.0 |

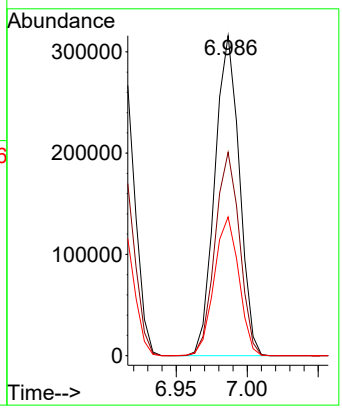





#13
1,4-Dichlorobenzene
Concen: 35.686 ng
RT: 6.986 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:146 Resp: 37920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.6 | 50.6 | 76.0 |
| 111 | 43.3 | 35.0 | 52.6 |

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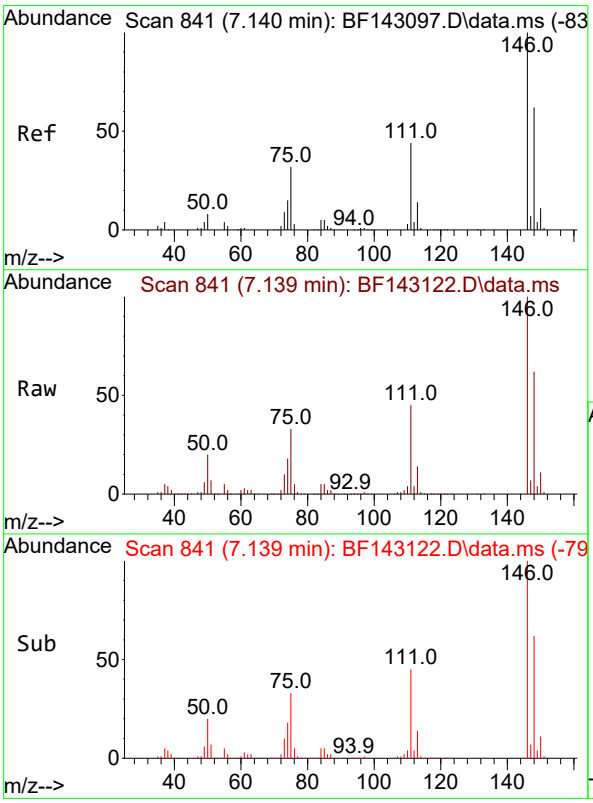
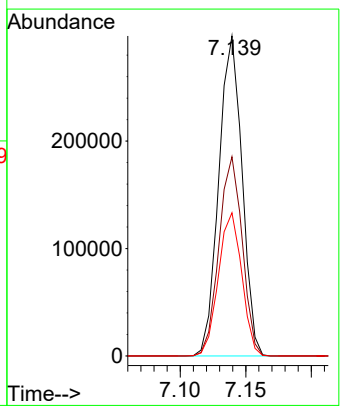
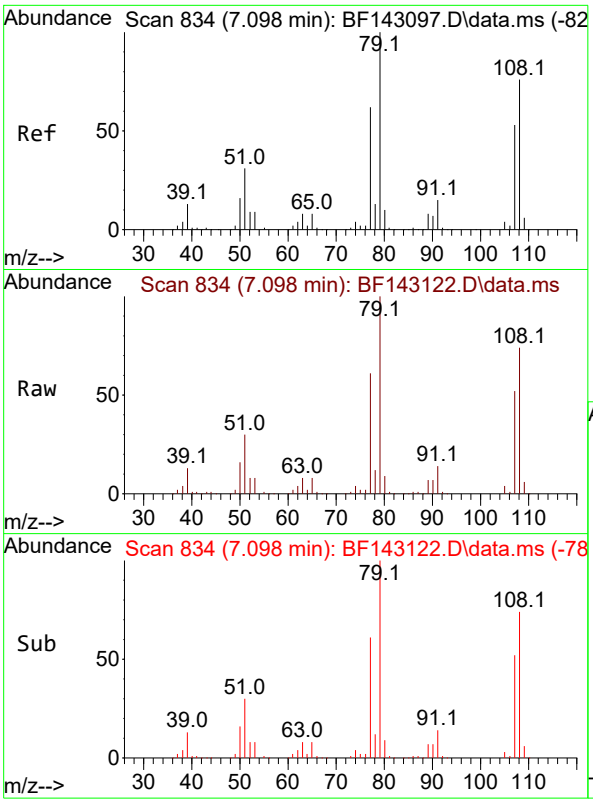



#14
1,2-Dichlorobenzene
Concen: 36.258 ng
RT: 7.139 min Scan# 841
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:146 Resp: 367410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.2 | 49.8 | 74.6 |
| 111 | 44.7 | 35.4 | 53.0 |

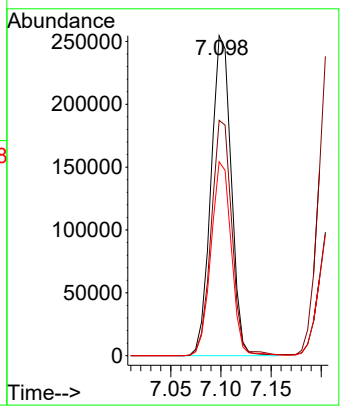





#15
Benzyl Alcohol
Concen: 41.191 ng
RT: 7.098 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion: 79 Resp: 35699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 73.5 | 61.1 | 91.7 |
| 77 | 60.6 | 49.9 | 74.9 |

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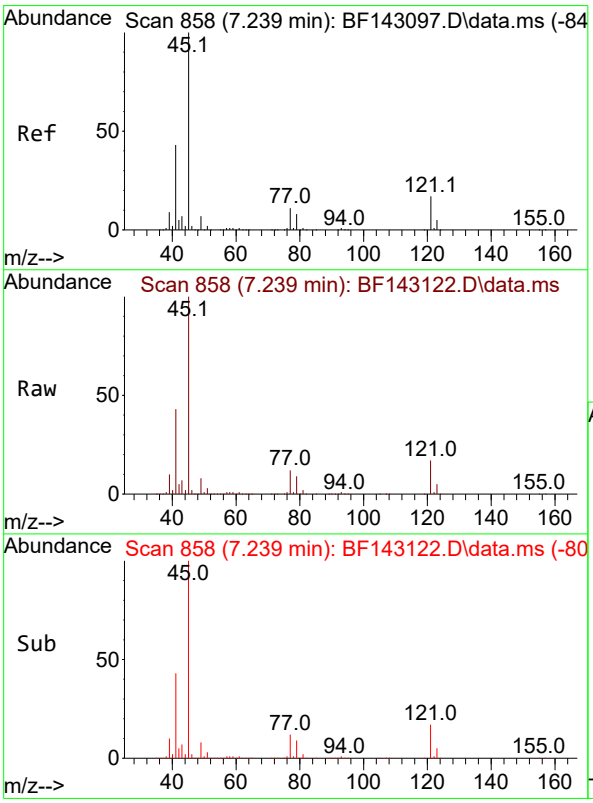
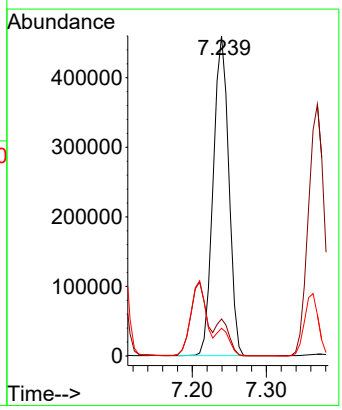
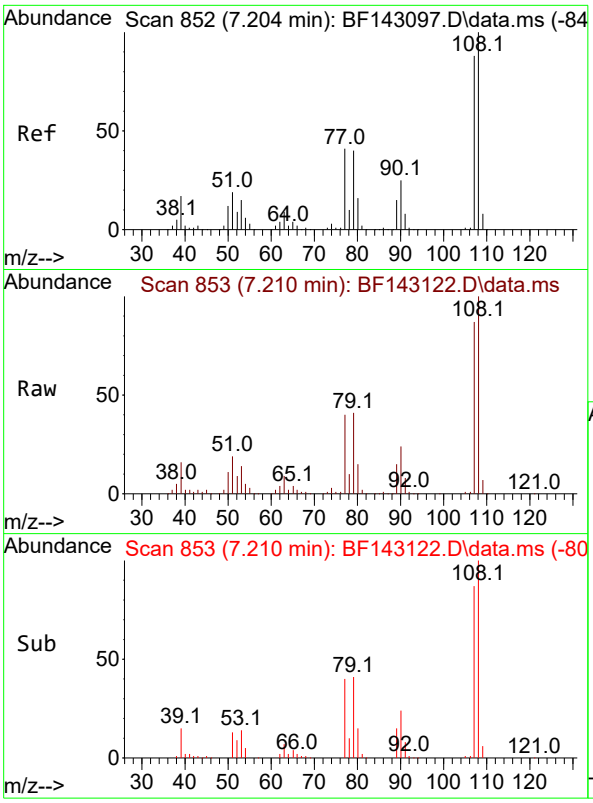



#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.031 ng
RT: 7.239 min Scan# 858
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion: 45 Resp: 669145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 11.6 | 0.0 | 31.1 |
| 79 | 8.6 | 0.0 | 28.4 |

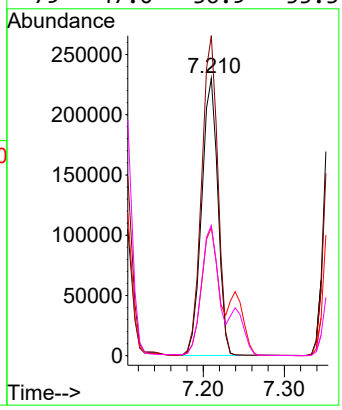





#17
2-Methylphenol
Concen: 39.442 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:107 Resp: 31822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 115.4 | 90.9 | 136.3 |
| 77 | 46.2 | 37.5 | 56.3 |
| 79 | 47.0 | 36.9 | 55.3 |

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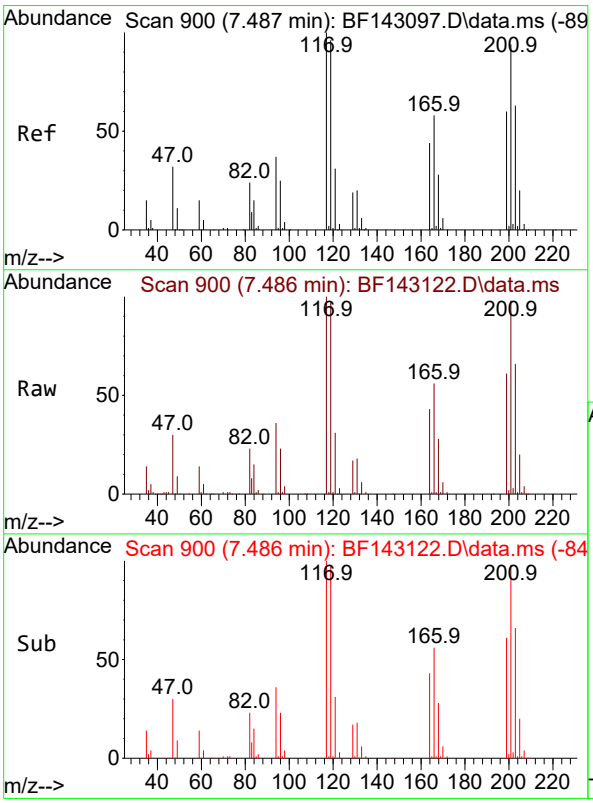
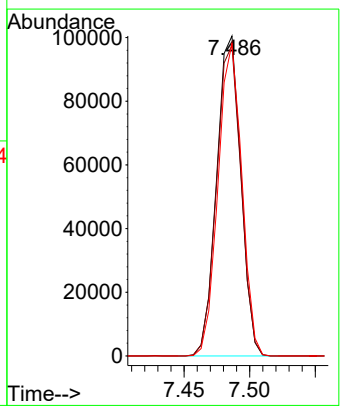
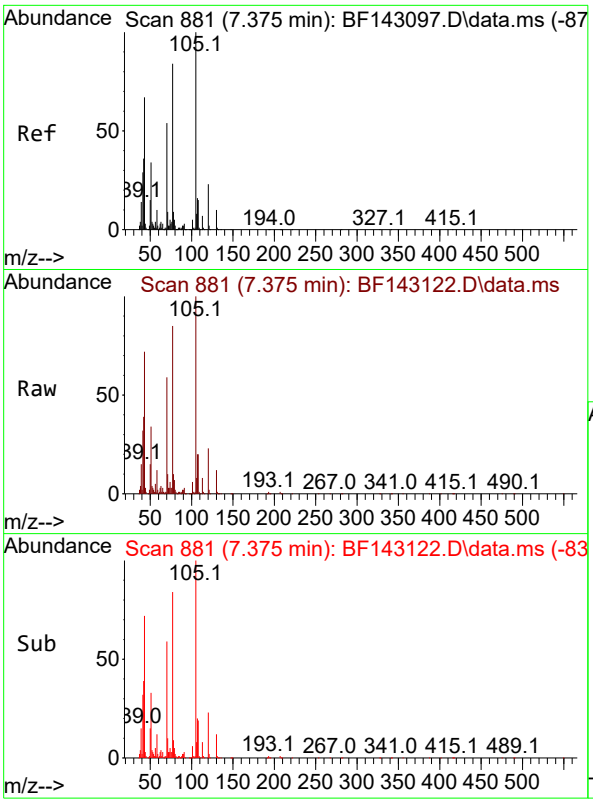



#18
Hexachloroethane
Concen: 37.286 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:117 Resp: 128982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.1 | 76.7 | 115.1 |
| 201 | 97.7 | 75.0 | 112.4 |

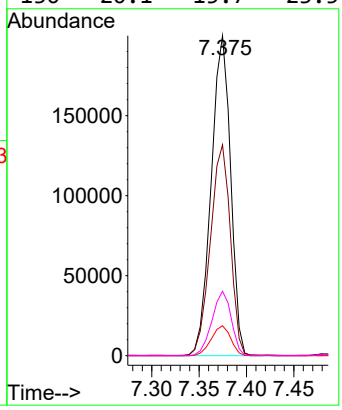





#19
n-Nitroso-di-n-propylamine
Concen: 39.690 ng
RT: 7.375 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion: 70 Resp: 28442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 65.9 | 53.2 | 79.8 |
| 101 | 9.4 | 7.5 | 11.3 |
| 130 | 20.1 | 15.7 | 23.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MS

**Manual Integrations**
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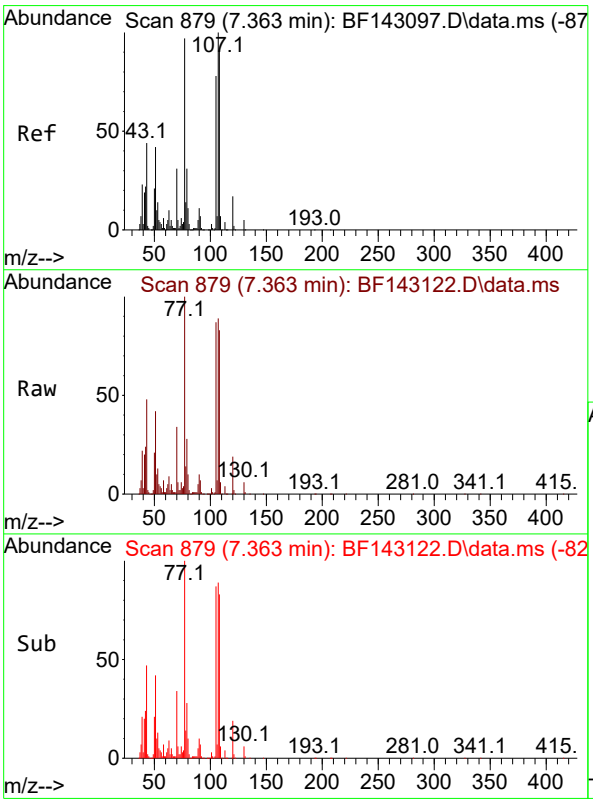
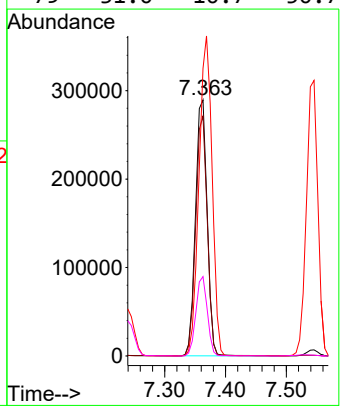
Supervised By :Jagrut Upadhyay 07/17/2025

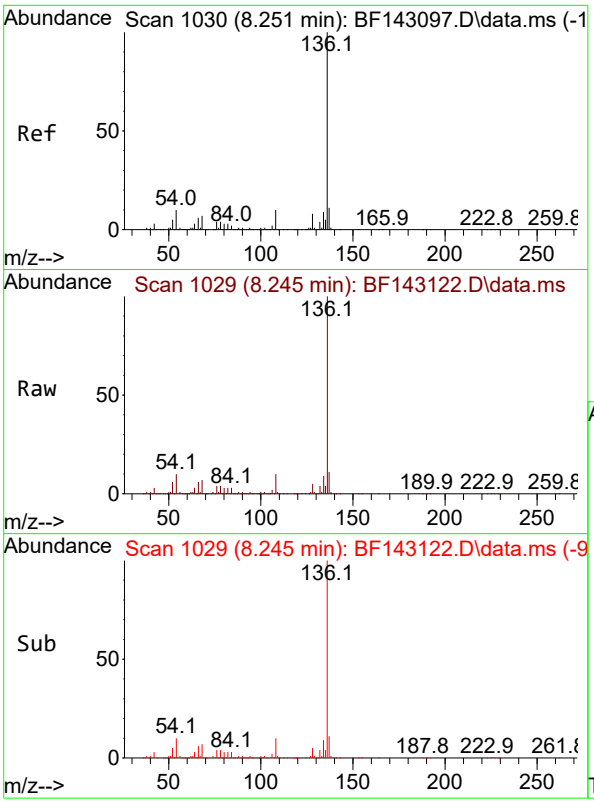



#20
3+4-Methylphenols
Concen: 38.905 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:107 Resp: 384937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 93.7 | 71.3 | 111.3 |
| 77 | 112.3 | 77.2 | 117.2 |
| 79 | 31.0 | 10.7 | 50.7 |

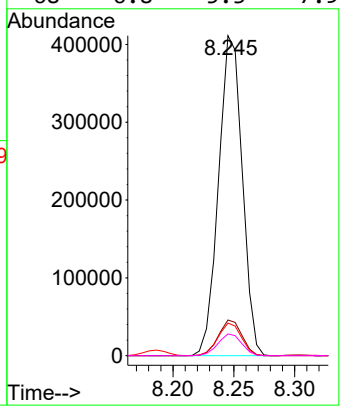





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:136 Resp: 55665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.9 | 13.3 |
| 54 | 10.2 | 8.3 | 12.5 |
| 68 | 6.8 | 5.3 | 7.9 |




**Instrument :**
BNA_F
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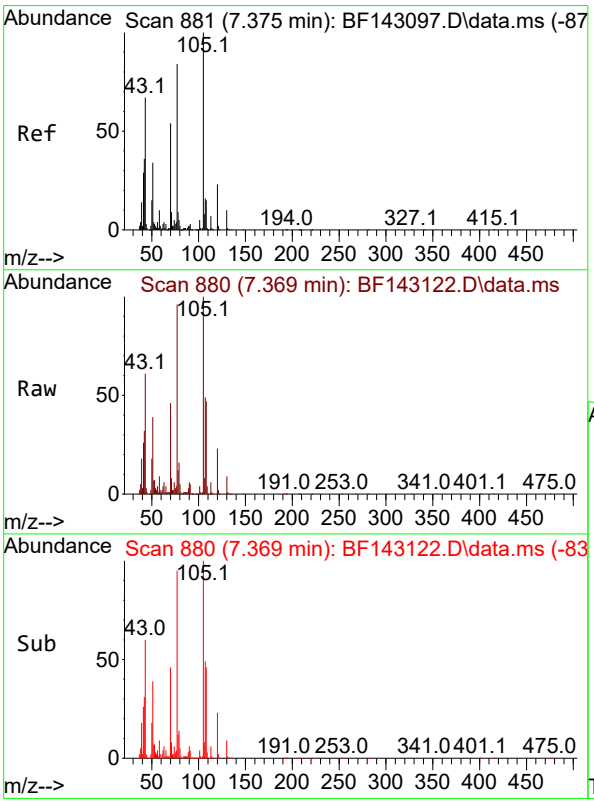
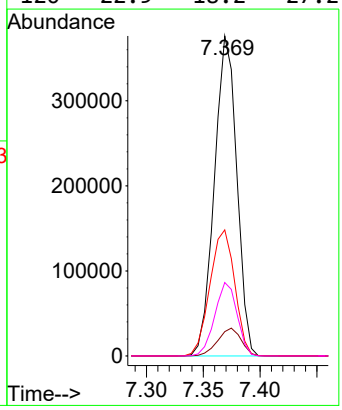
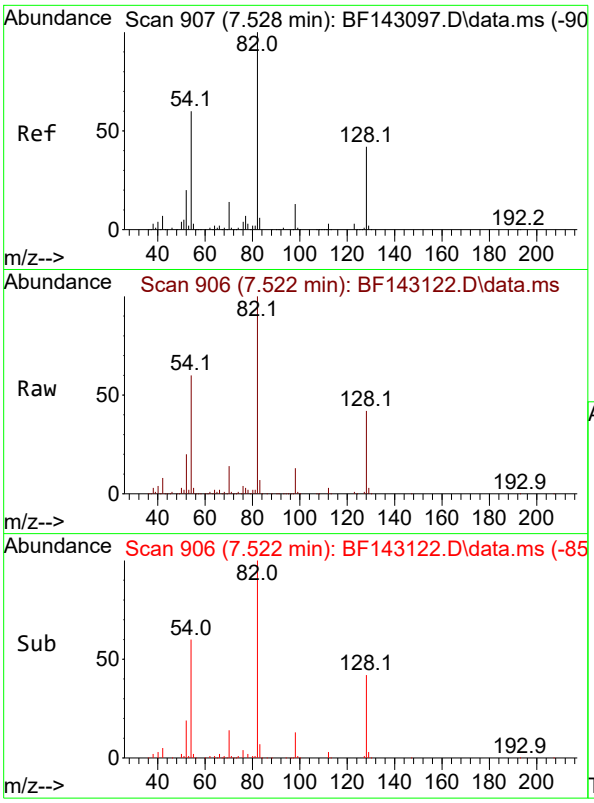



#22
Acetophenone
Concen: 38.531 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:105 Resp: 517043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.6 | 7.2 | 10.8 |
| 51 | 39.4 | 27.0 | 40.4 |
| 120 | 22.9 | 18.2 | 27.2 |

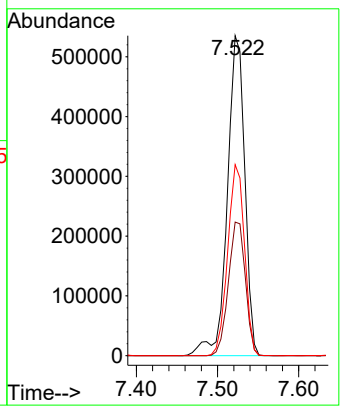





#23
Nitrobenzene-d5
Concen: 80.558 ng
RT: 7.522 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion: 82 Resp: 79937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.8 | 33.3 | 49.9 |
| 54 | 59.7 | 47.4 | 71.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
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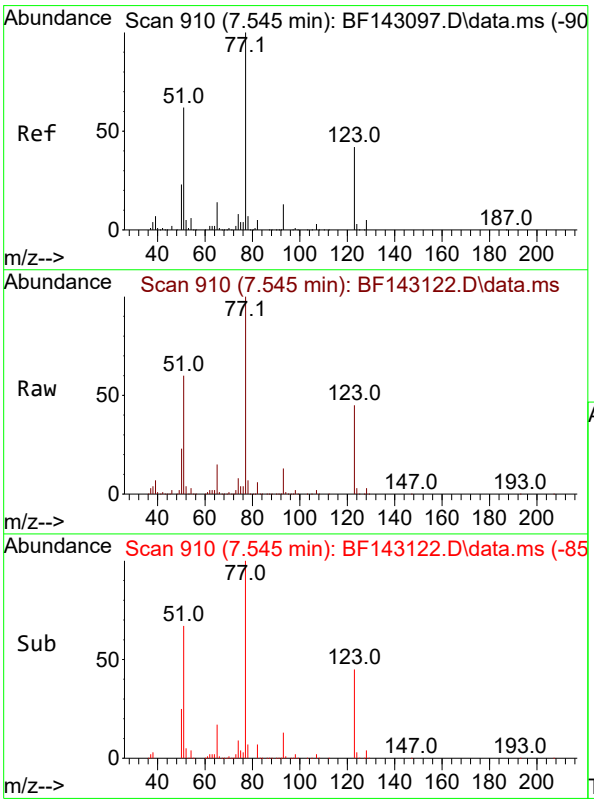
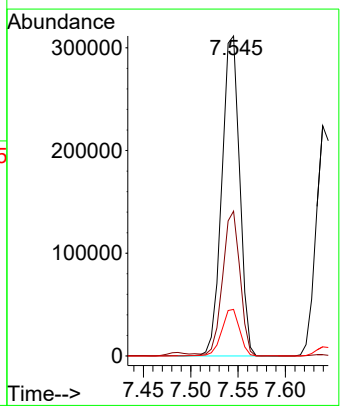
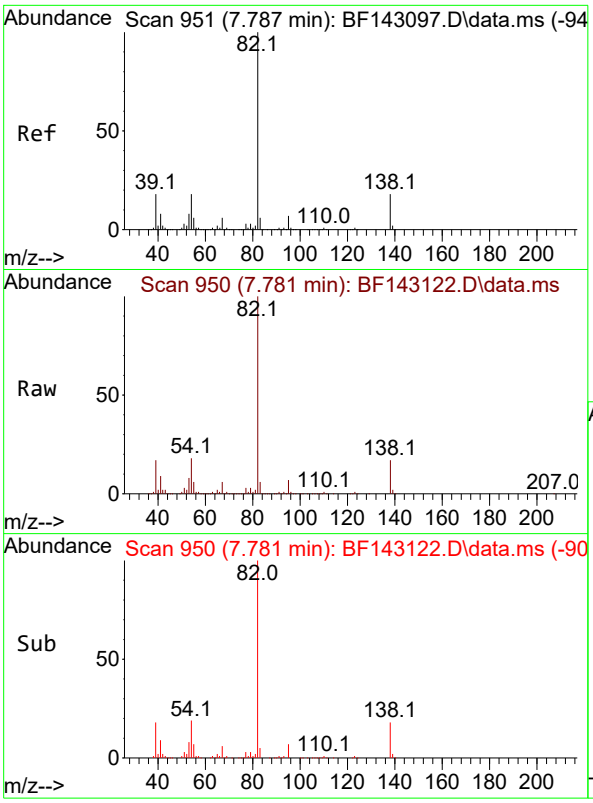



#24
Nitrobenzene
Concen: 42.599 ng
RT: 7.545 min Scan# 910
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion: 77 Resp: 408070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 45.3 | 34.5 | 51.7 |
| 65 | 14.5 | 11.3 | 16.9 |

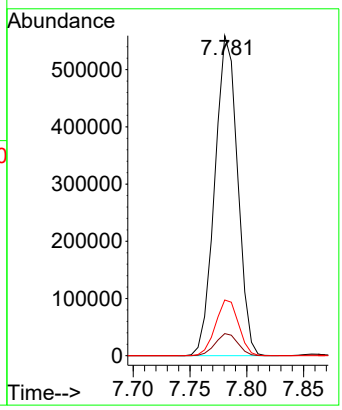





#25
Isophorone
Concen: 40.742 ng
RT: 7.781 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion: 82 Resp: 78140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.9 | 5.6 | 8.4 |
| 138 | 17.4 | 14.3 | 21.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
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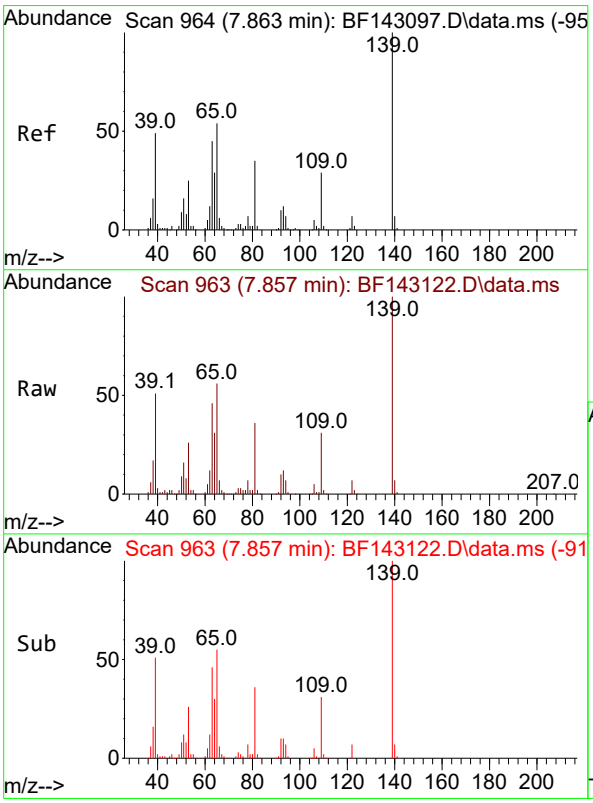
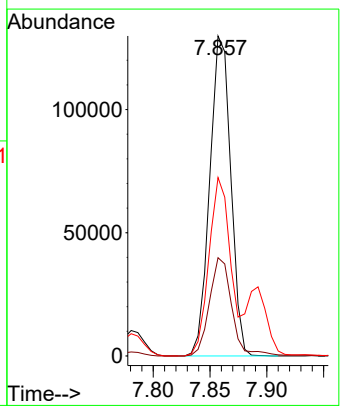
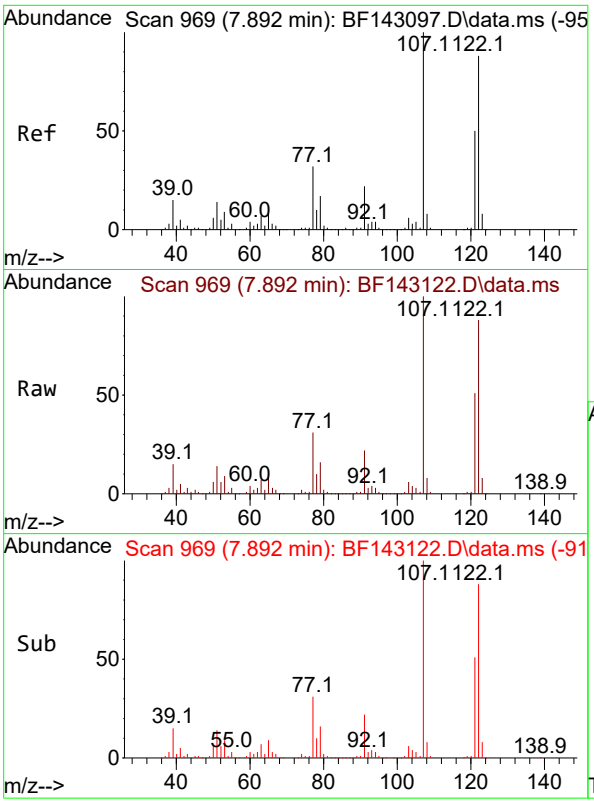



#26
2-Nitrophenol
Concen: 44.075 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:139 Resp: 167379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 30.7 | 23.4 | 35.0 |
| 65 | 55.8 | 43.4 | 65.2 |

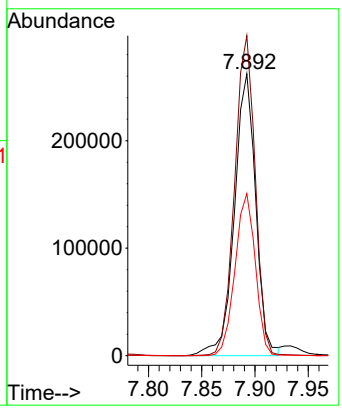





#27
2,4-Dimethylphenol
Concen: 41.098 ng
RT: 7.892 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:122 Resp: 36584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 113.5 | 91.3 | 136.9 |
| 121 | 57.5 | 45.5 | 68.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MS

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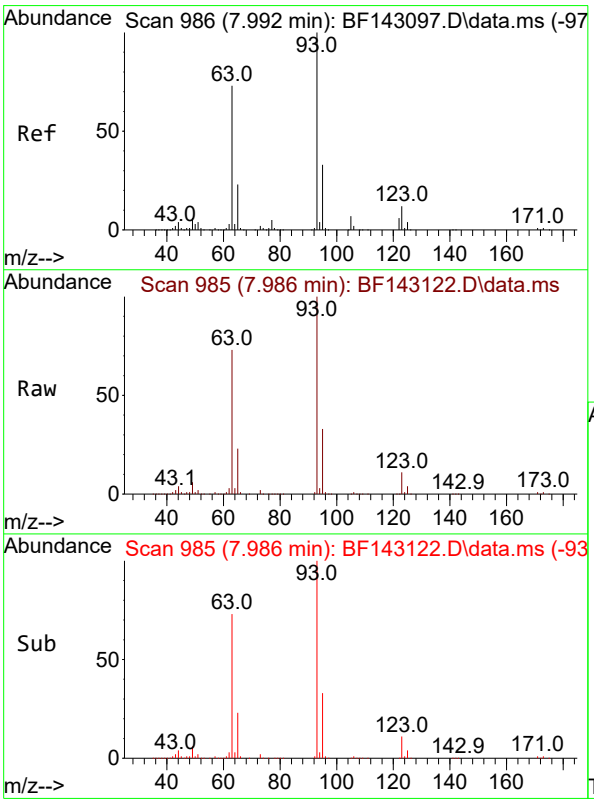
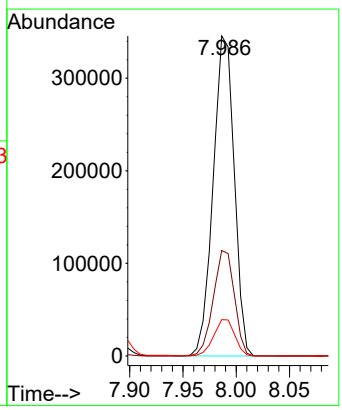
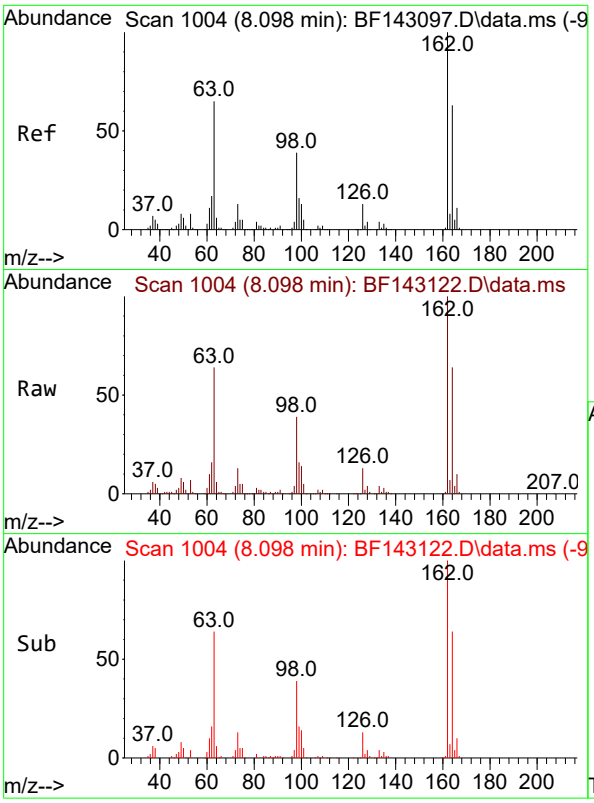



#28
bis(2-Chloroethoxy)methane
Concen: 40.866 ng
RT: 7.986 min Scan# 985
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion: 93 Resp: 475295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.0 | 26.2 | 39.4 |
| 123 | 11.3 | 9.6 | 14.4 |

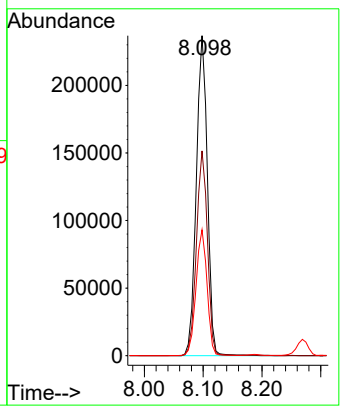





#29
2,4-Dichlorophenol
Concen: 42.554 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:162 Resp: 30990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.0 | 43.1 | 83.1 |
| 98 | 39.4 | 19.2 | 59.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MS

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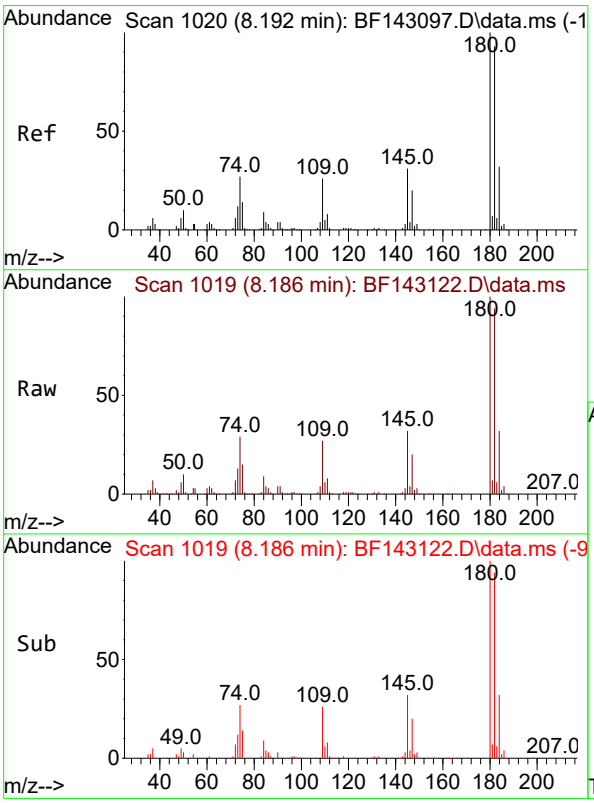
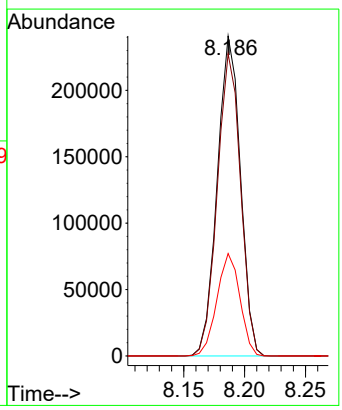
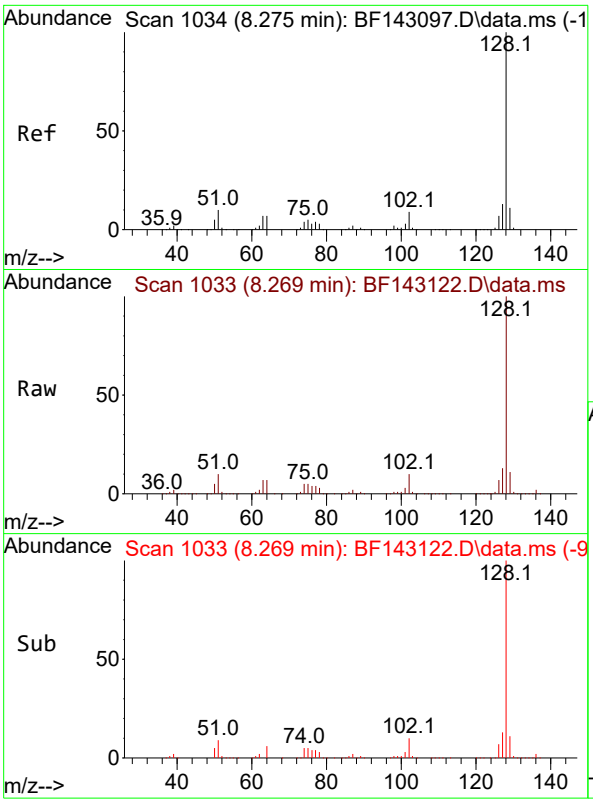



#30
1,2,4-Trichlorobenzene
Concen: 38.578 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:180 Resp: 318849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 74.7 | 112.1 |
| 145 | 32.0 | 24.5 | 36.7 |

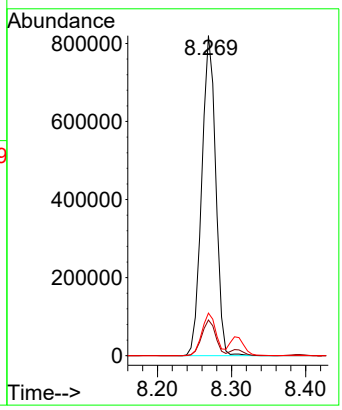





#31
Naphthalene
Concen: 38.875 ng
RT: 8.269 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:128 Resp: 107462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 9.0 | 13.4 |
| 127 | 13.3 | 10.5 | 15.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MS

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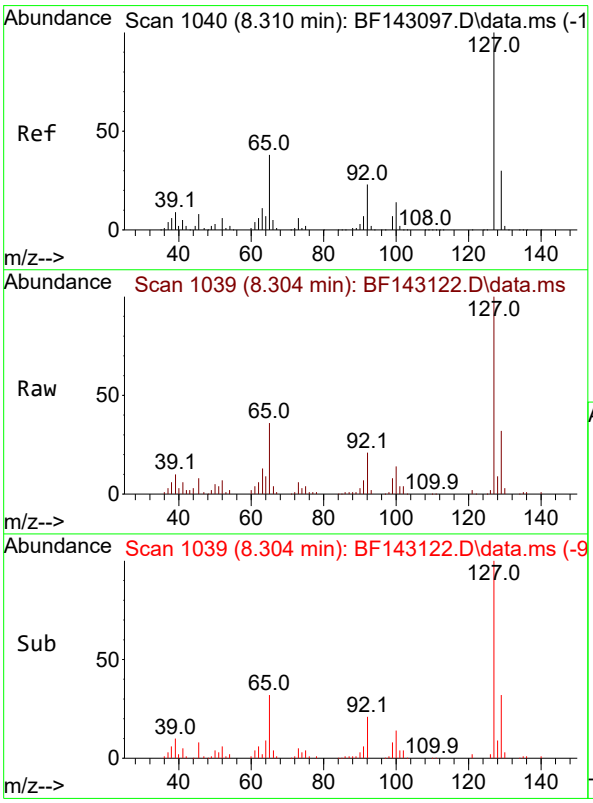
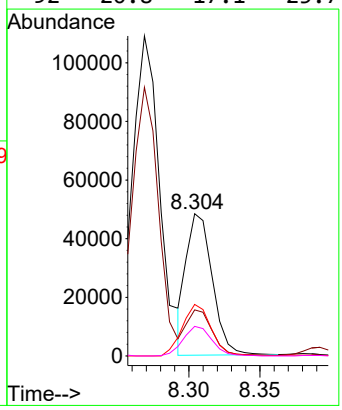
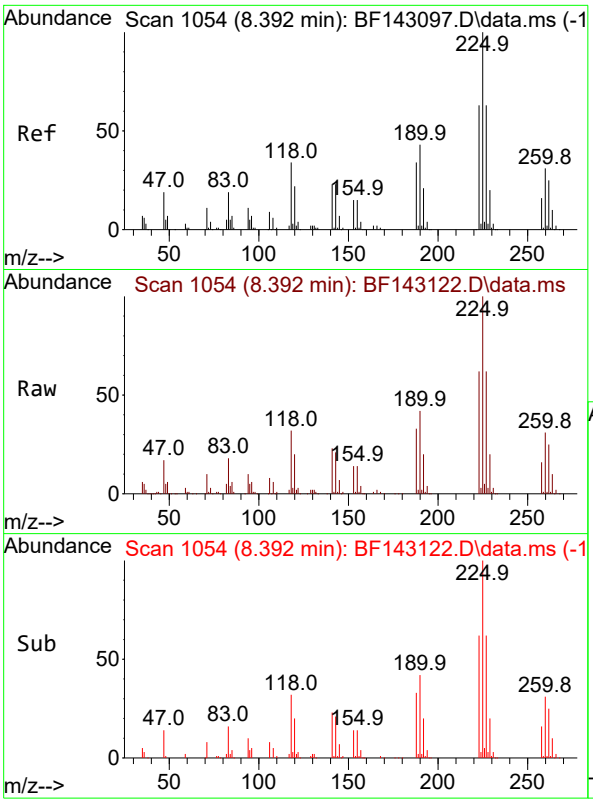



#33
4-Chloroaniline
Concen: 5.517 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:127 Resp: 61328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.4 | 26.2 | 39.4 |
| 65 | 36.3 | 28.6 | 42.8 |
| 92 | 20.8 | 17.1 | 25.7 |

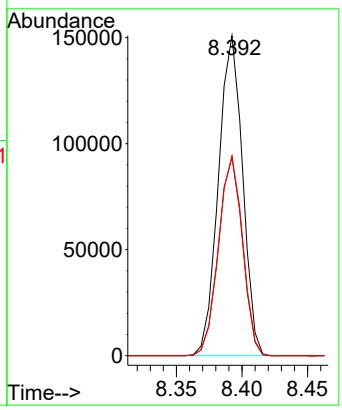





#34
Hexachlorobutadiene
Concen: 39.039 ng
RT: 8.392 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:225 Resp: 19296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.9 | 50.3 | 75.5 |
| 227 | 62.4 | 50.1 | 75.1 |




**Instrument :**
BNA_F
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WC-SOIL-20250711MS

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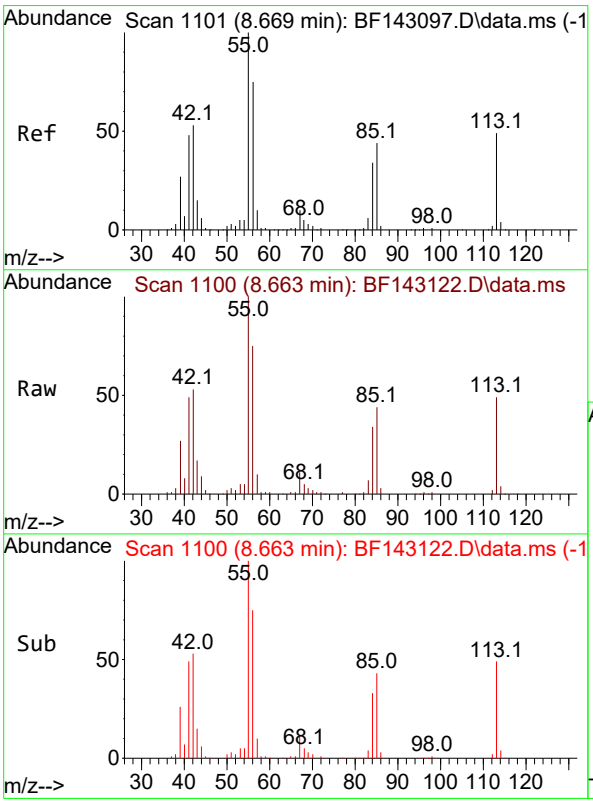
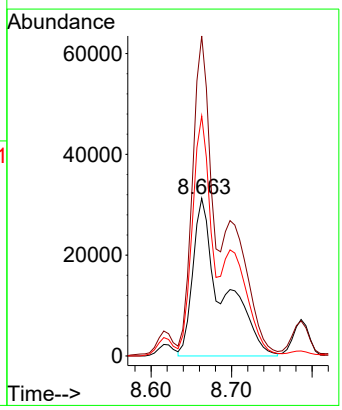
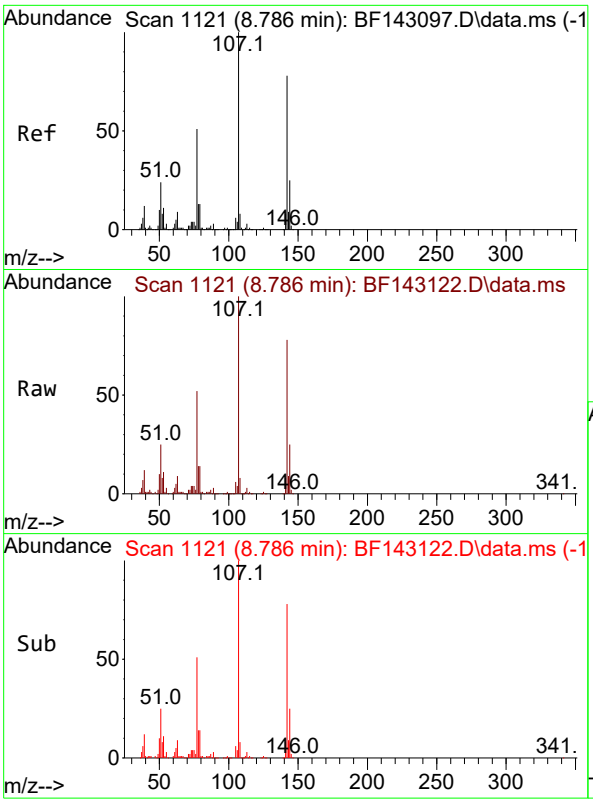



#35
Caprolactam
Concen: 35.306 ng m
RT: 8.663 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:113 Resp: 80291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 203.1 | 186.2 | 226.2 |
| 56 | 152.3 | 134.1 | 174.1 |

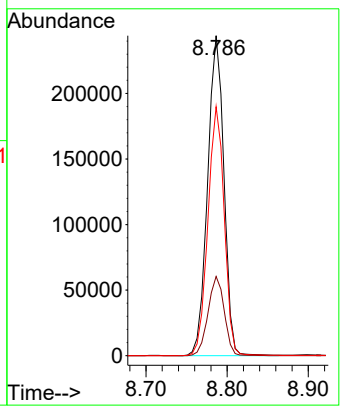





#36
4-Chloro-3-methylphenol
Concen: 42.002 ng
RT: 8.786 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:107 Resp: 34073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.7 | 20.2 | 30.2 |
| 142 | 77.8 | 62.4 | 93.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
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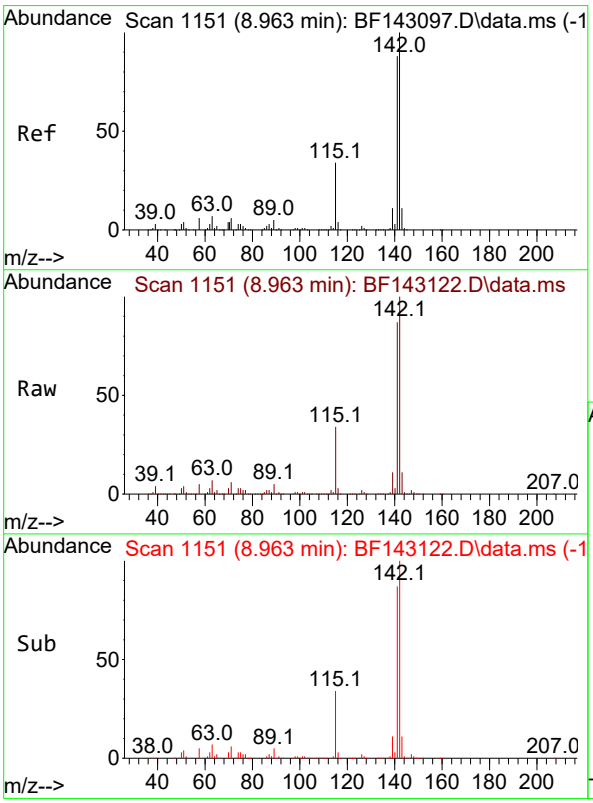
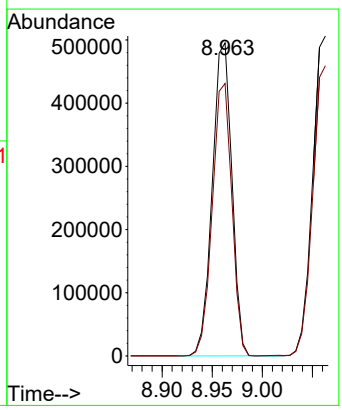
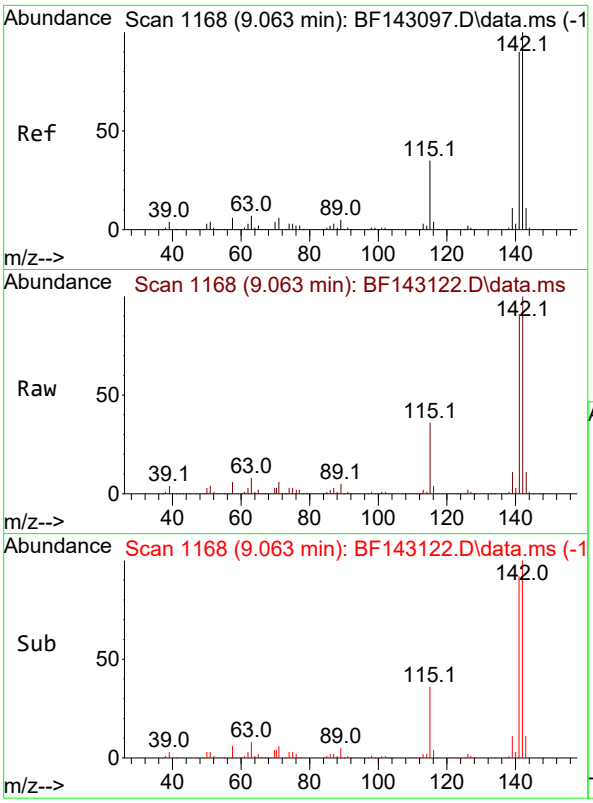



#37
2-Methylnaphthalene
Concen: 40.718 ng
RT: 8.963 min Scan# 1151
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:142 Resp: 671479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.0 | 70.2 | 105.2 |

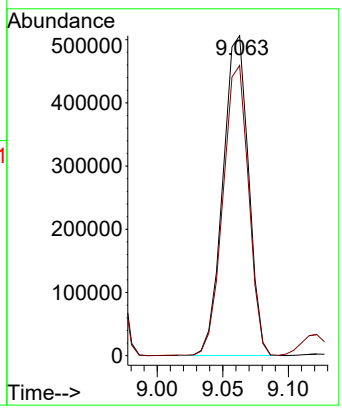





#38
1-Methylnaphthalene
Concen: 40.277 ng
RT: 9.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:142 Resp: 68889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.7 | 72.2 | 108.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MS

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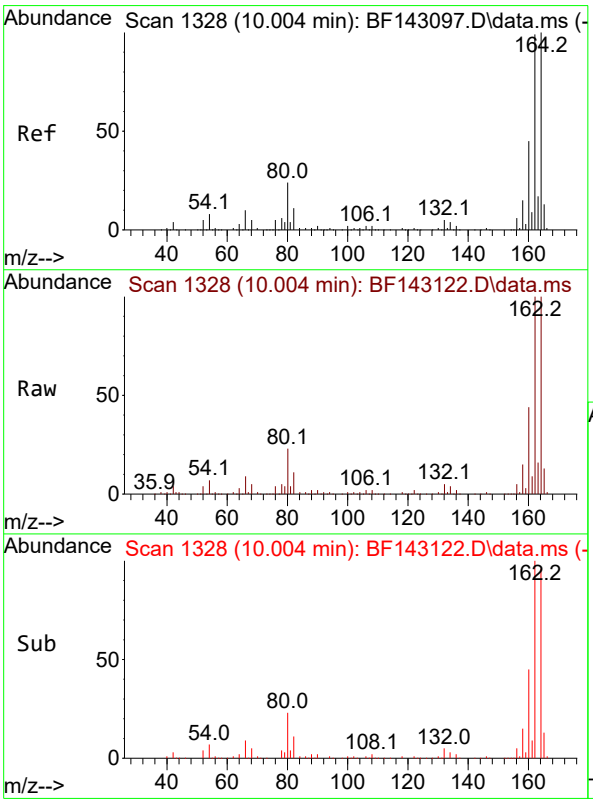
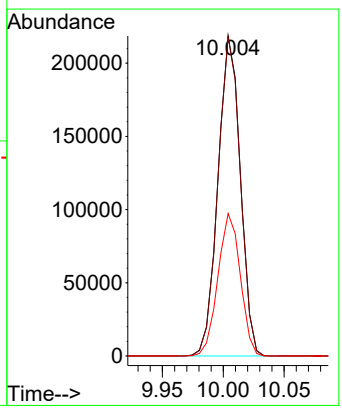
Supervised By :Jagrut Upadhyay 07/17/2025

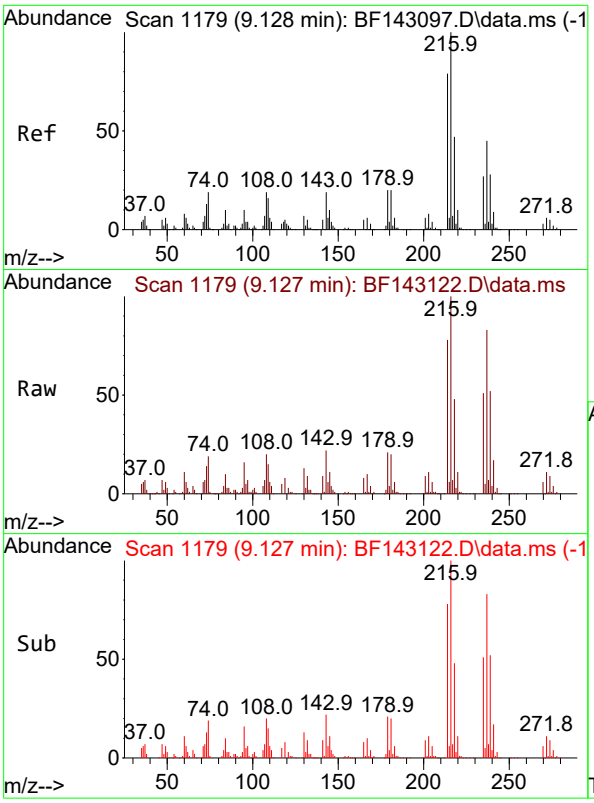



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:164 Resp: 279575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.8 | 79.0 | 118.6 |
| 160 | 44.5 | 35.8 | 53.6 |

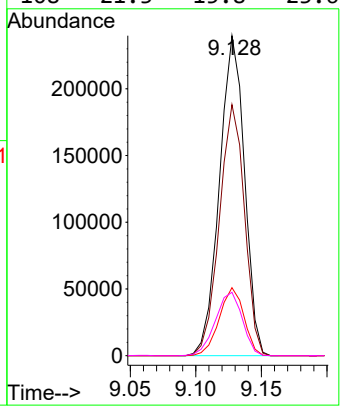





#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.048 ng
RT: 9.127 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:216 Resp: 31814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.4 | 62.6 | 94.0 |
| 179 | 21.0 | 16.2 | 24.2 |
| 108 | 21.3 | 15.8 | 23.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MS

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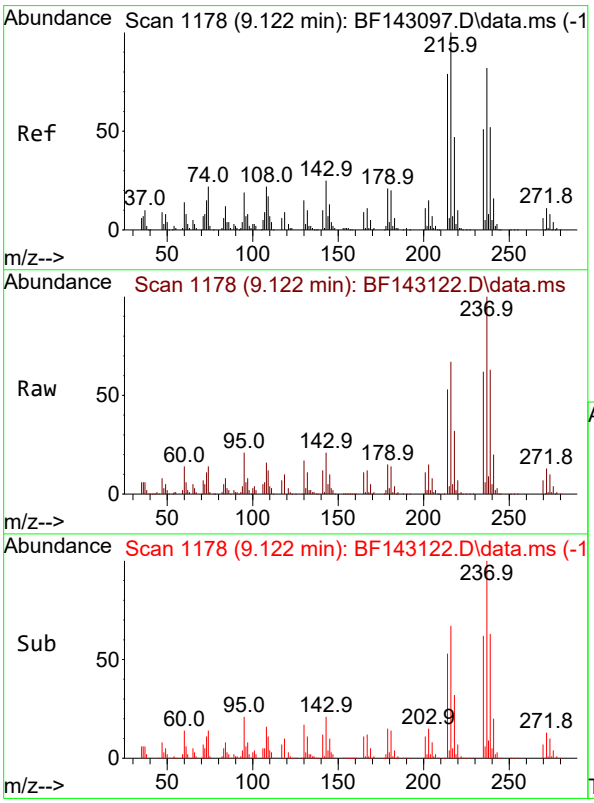
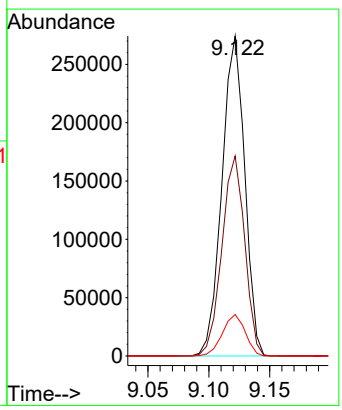
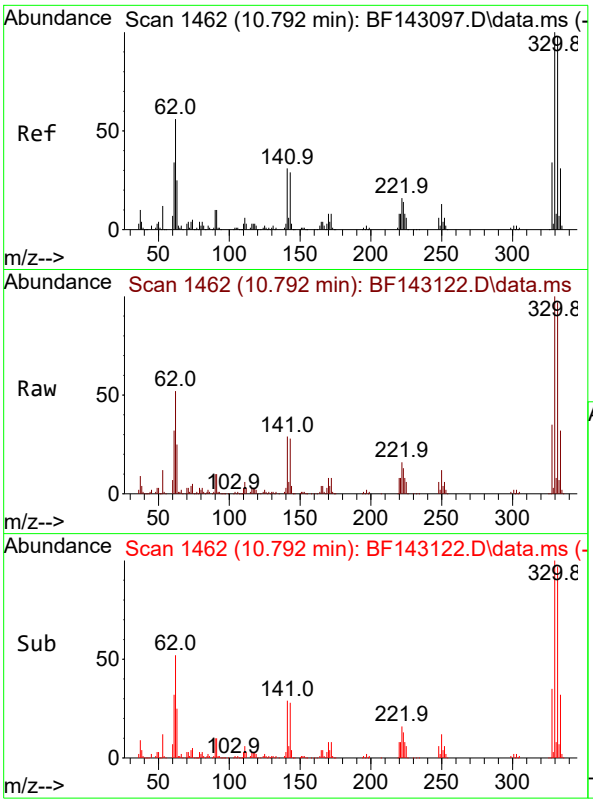



#41
Hexachlorocyclopentadiene
Concen: 79.110 ng
RT: 9.122 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:237 Resp: 357351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.5 | 41.6 | 81.6 |
| 272 | 13.0 | 0.0 | 32.9 |

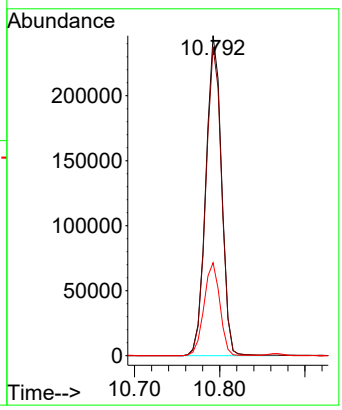





#42
2,4,6-Tribromophenol
Concen: 126.298 ng
RT: 10.792 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:330 Resp: 31483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.0 | 77.9 | 116.9 |
| 141 | 29.4 | 25.9 | 38.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
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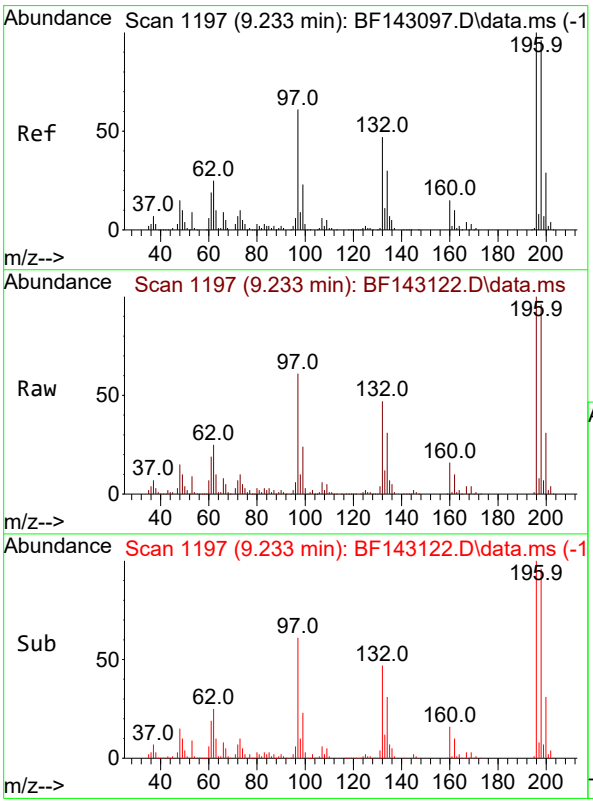
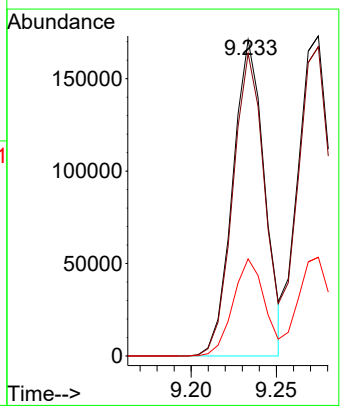
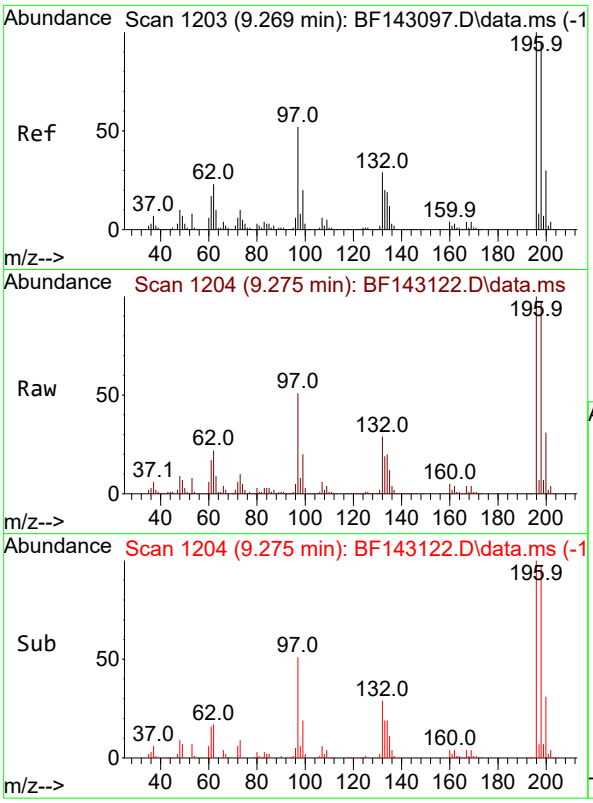



#43
2,4,6-Trichlorophenol
Concen: 43.874 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:196 Resp: 222112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.7 | 76.9 | 115.3 |
| 200 | 30.7 | 23.5 | 35.3 |

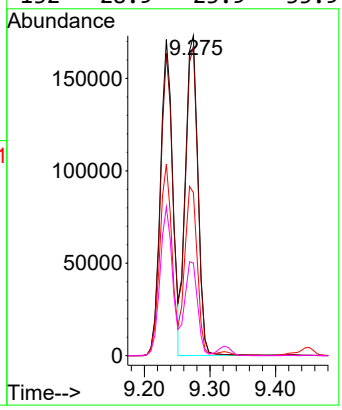





#44
2,4,5-Trichlorophenol
Concen: 43.216 ng
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:196 Resp: 22940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.7 | 76.4 | 114.6 |
| 97 | 50.9 | 42.4 | 63.6 |
| 132 | 28.9 | 23.9 | 35.9 |




**Instrument :**
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**ClientSampleId :**
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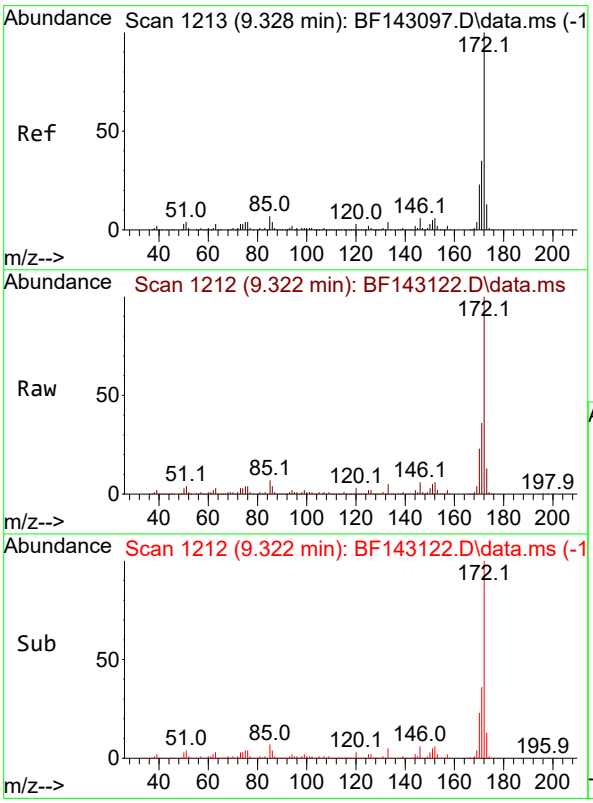
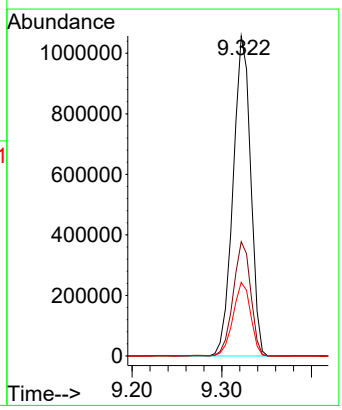
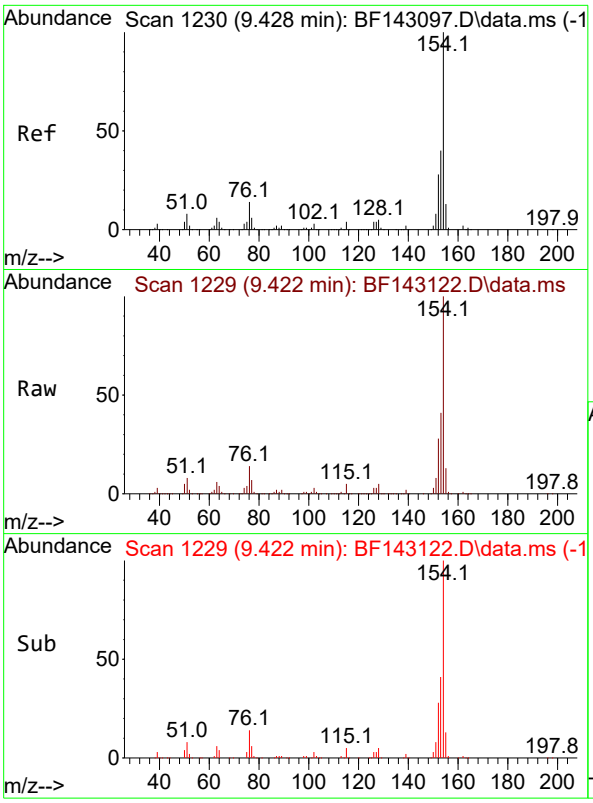



#45
2-Fluorobiphenyl
Concen: 68.405 ng
RT: 9.322 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:172 Resp: 1438701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.7 | 28.2 | 42.4 |
| 170 | 23.0 | 18.6 | 28.0 |

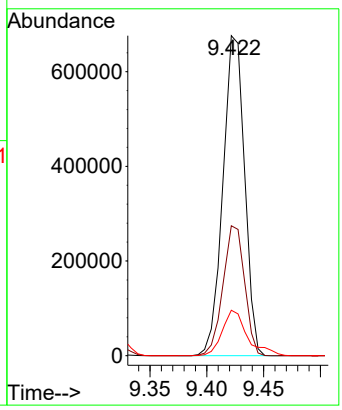





#46
1,1'-Biphenyl
Concen: 40.322 ng
RT: 9.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:154 Resp: 89900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.6 | 20.1 | 60.1 |
| 76 | 14.2 | 0.0 | 33.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MS

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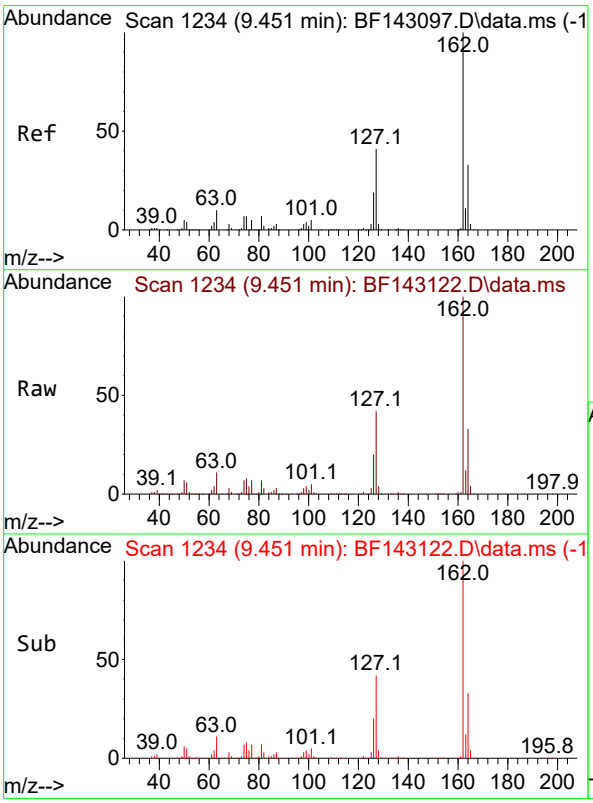
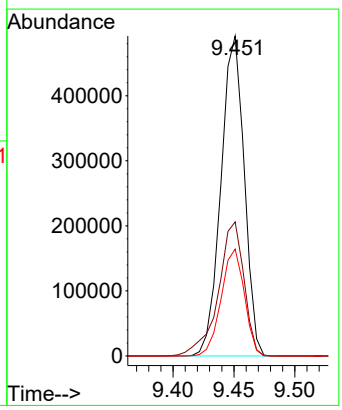
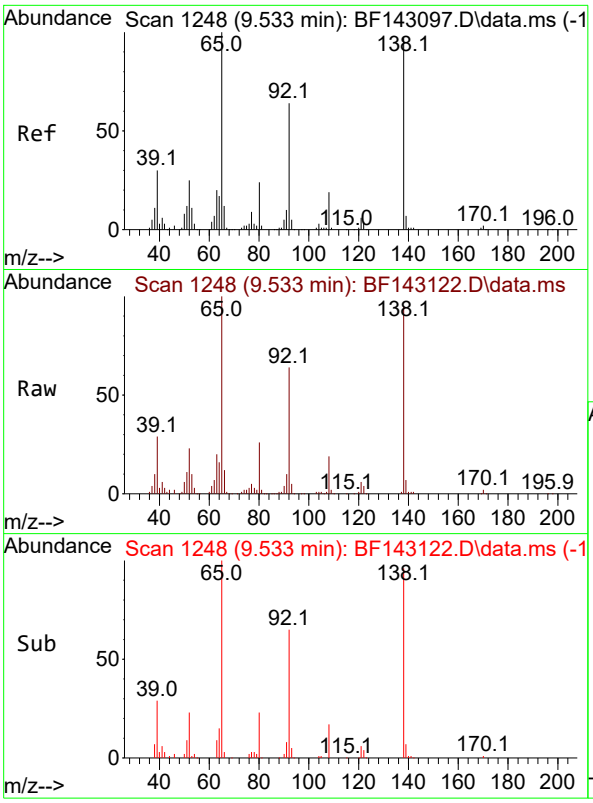



#47
2-Chloronaphthalene
Concen: 40.006 ng
RT: 9.451 min Scan# 1234
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:162 Resp: 655257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.9 | 33.0 | 49.6 |
| 164 | 33.4 | 26.1 | 39.1 |

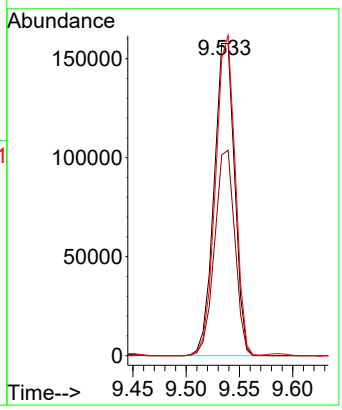





#48
2-Nitroaniline
Concen: 43.531 ng
RT: 9.533 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion: 65 Resp: 21132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 64.3 | 51.3 | 76.9 |
| 138 | 95.1 | 77.8 | 116.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
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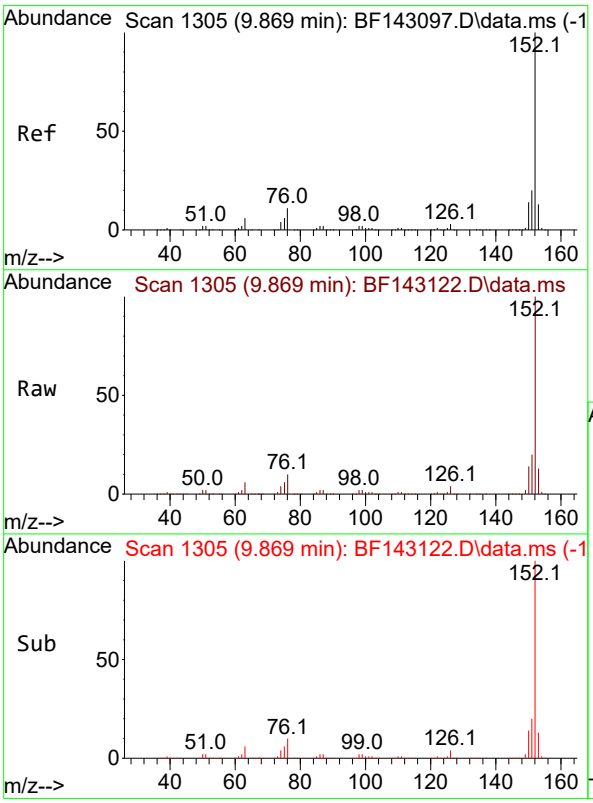
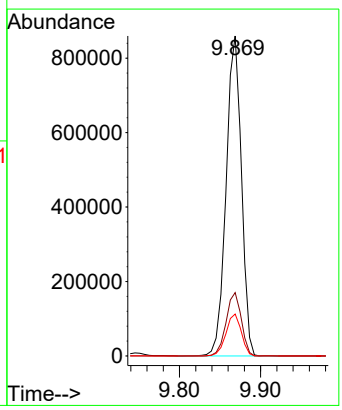
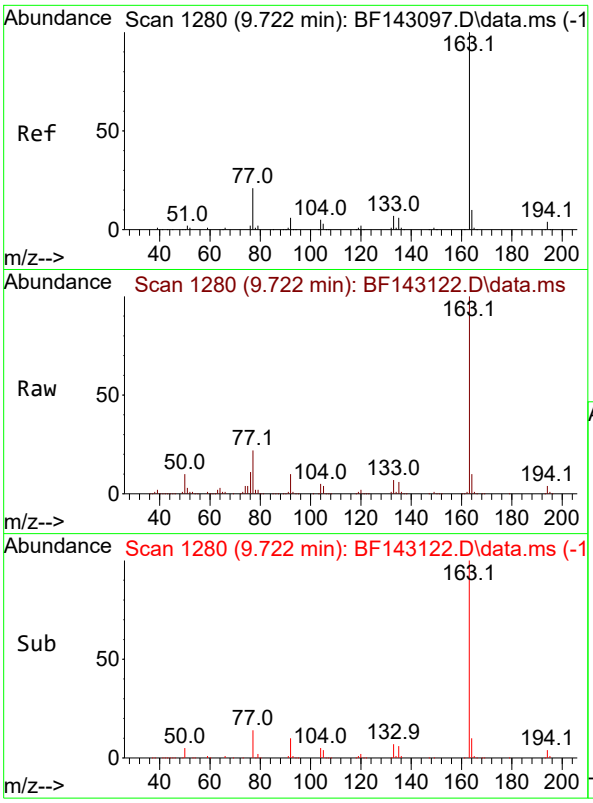



#49
Acenaphthylene
Concen: 41.213 ng
RT: 9.869 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:152 Resp: 1124808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 15.8 | 23.8 |
| 153 | 13.1 | 10.4 | 15.6 |






#50
Dimethylphthalate
Concen: 43.883 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:163 Resp: 77183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.4 | 3.4 | 5.2 |
| 164 | 10.1 | 8.2 | 12.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MS

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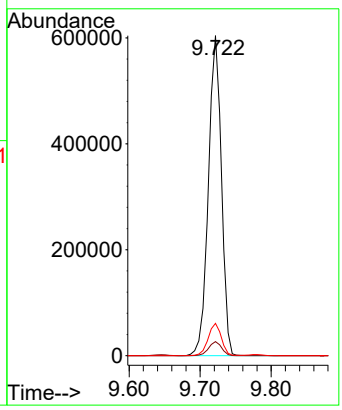
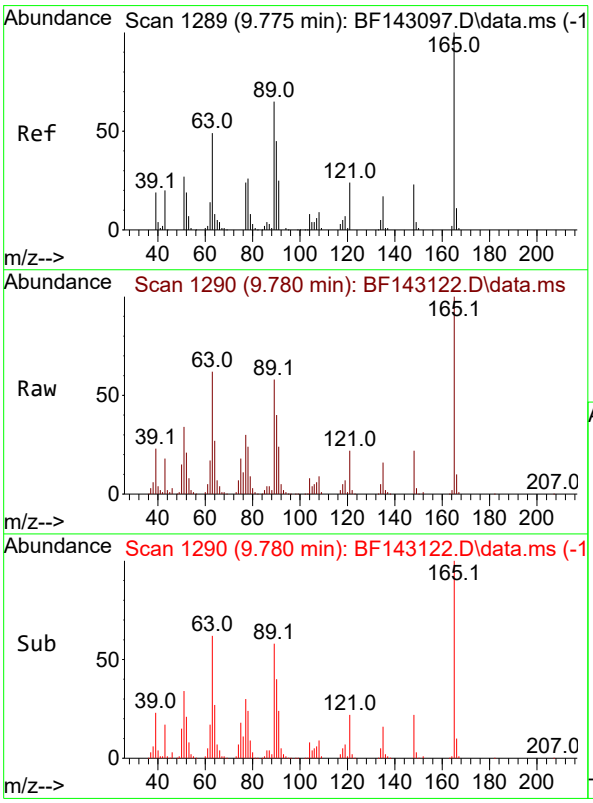
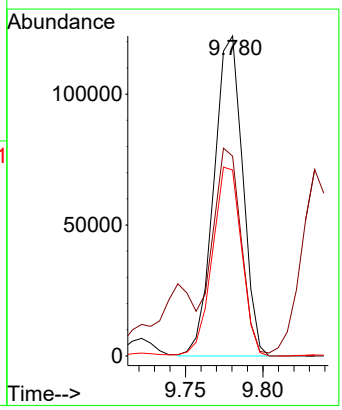


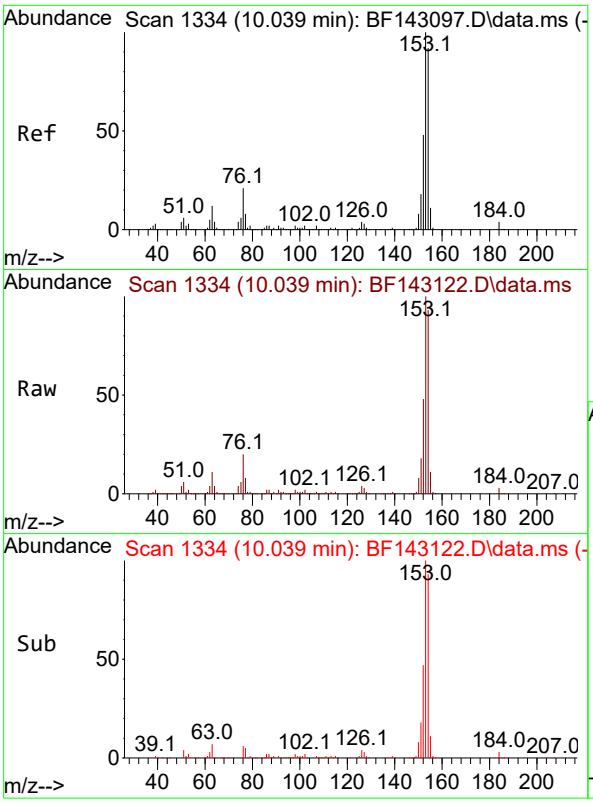




#51
2,6-Dinitrotoluene
Concen: 45.543 ng
RT: 9.780 min Scan# 1290
Delta R.T. 0.005 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:165 Resp: 157757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 62.5 | 57.4 | 86.0 |
| 89 | 58.1 | 51.8 | 77.8 |

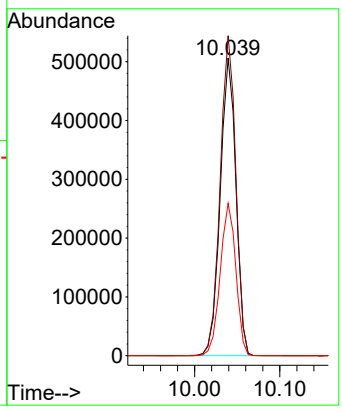





#52
Acenaphthene
Concen: 40.233 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:154 Resp: 64798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 107.5 | 86.7 | 130.1 |
| 152 | 51.2 | 41.4 | 62.2 |




**Instrument :**
BNA_F
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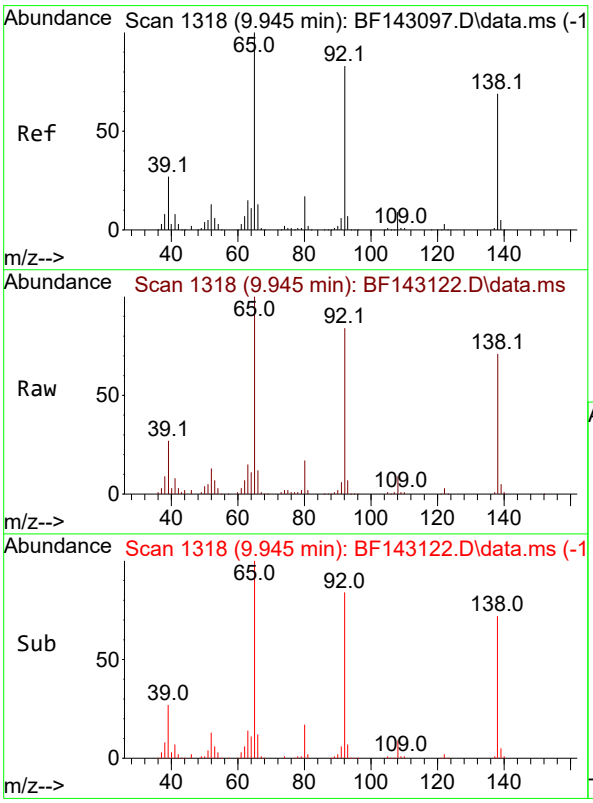
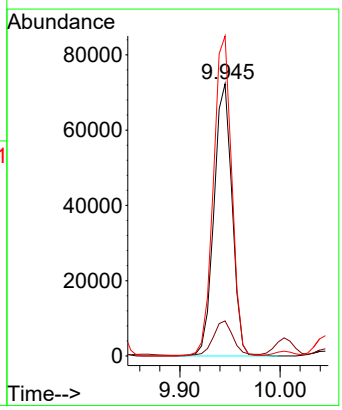
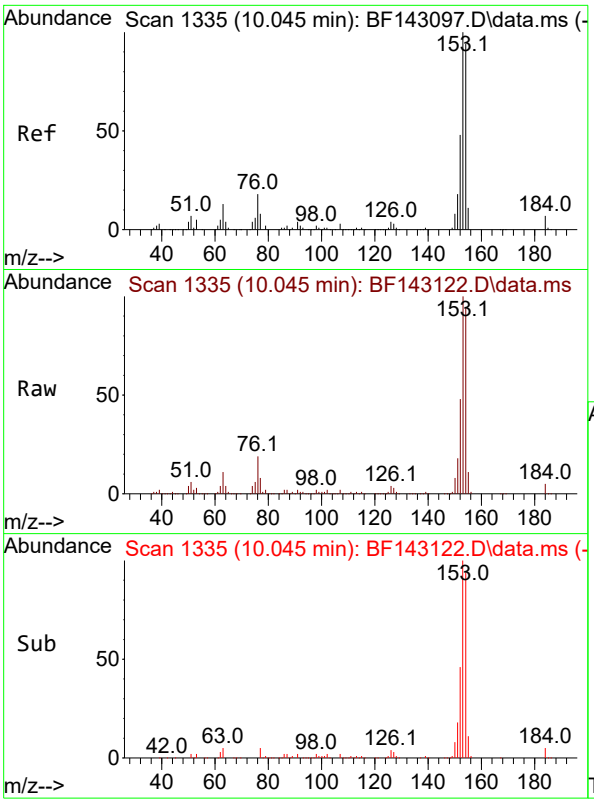



#53
3-Nitroaniline
Concen: 23.807 ng
RT: 9.945 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:138 Resp: 90479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 12.9 | 10.1 | 15.1 |
| 92 | 117.6 | 96.4 | 144.6 |

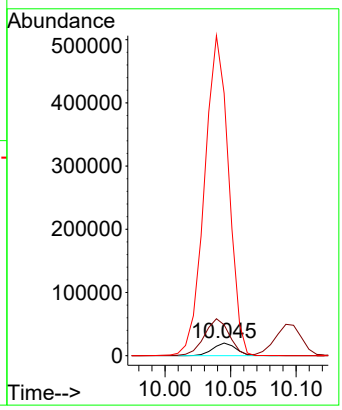





#54
2,4-Dinitrophenol
Concen: 26.899 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:184 Resp: 2419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 245.7 | 149.3 | 223.9 |
| 154 | 2087.2 | 1048.0 | 157 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MS

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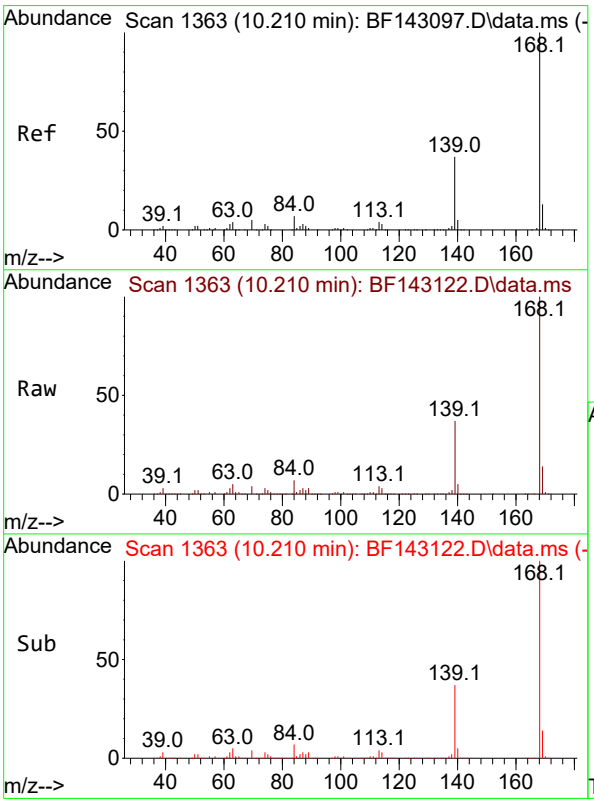
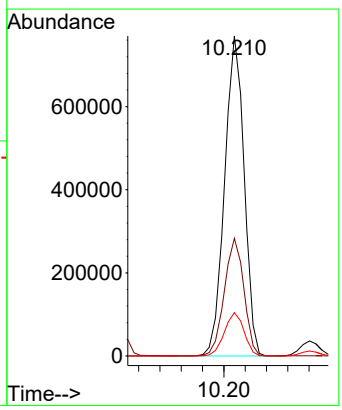
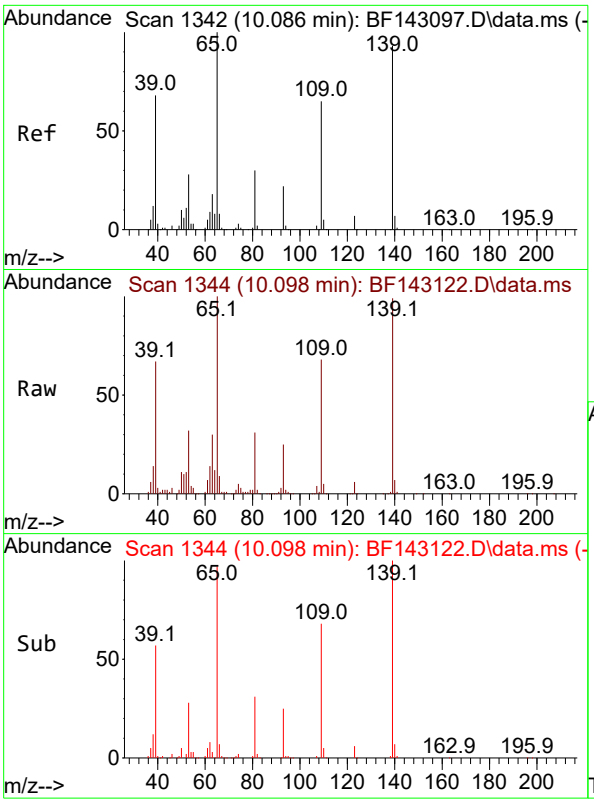



#55
Dibenzofuran
Concen: 40.804 ng
RT: 10.210 min Scan# 1363
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:168 Resp: 979540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 36.7 | 29.8 | 44.6 |
| 169 | 13.6 | 10.8 | 16.2 |






#56
4-Nitrophenol
Concen: 75.913 ng
RT: 10.098 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:139 Resp: 22929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 68.8 | 49.4 | 89.4 |
| 65 | 100.7 | 88.2 | 128.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MS

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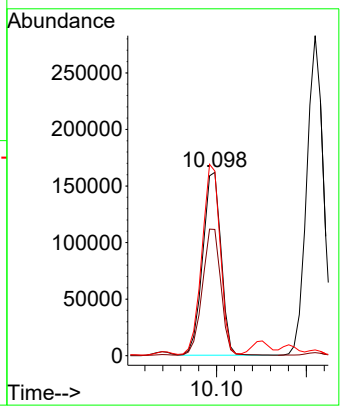
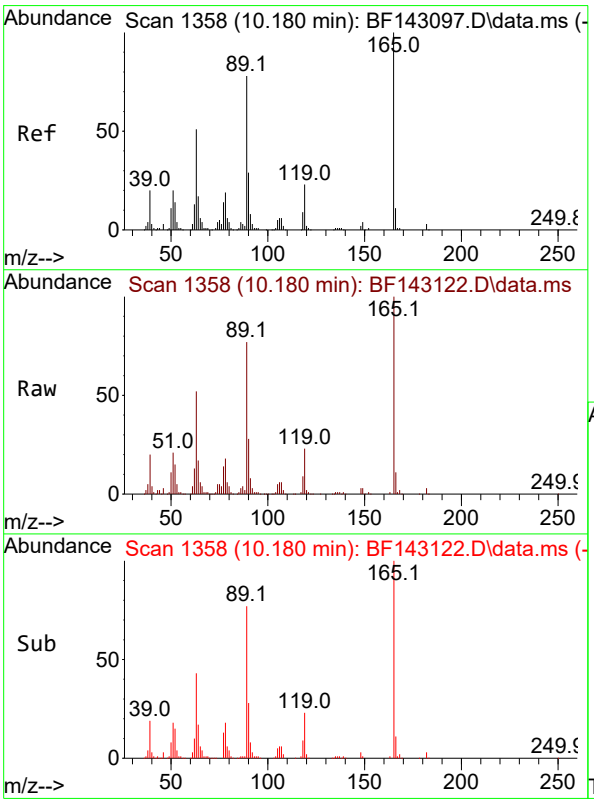
Supervised By :Jagrut Upadhyay 07/17/2025

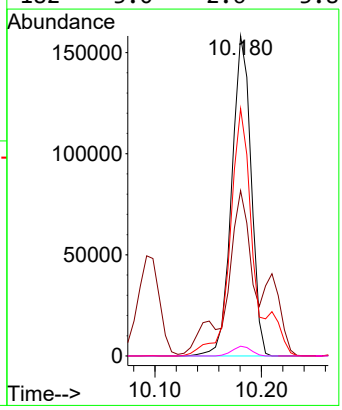


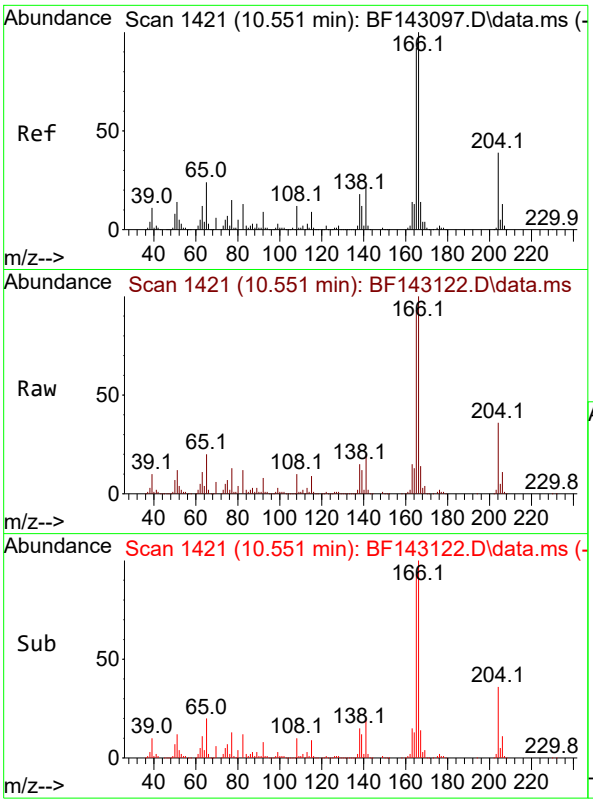




#57
2,4-Dinitrotoluene
Concen: 46.293 ng
RT: 10.180 min Scan# 1358
Delta R.T. 0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:165 Resp: 200358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 51.6 | 40.6 | 61.0 |
| 89 | 77.3 | 62.3 | 93.5 |
| 182 | 3.0 | 2.6 | 3.8 |

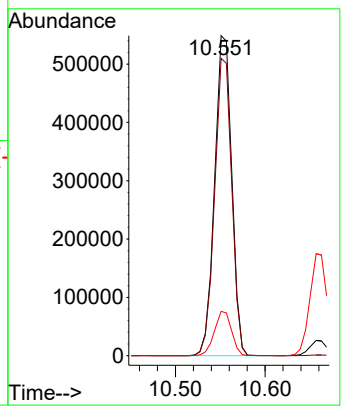





#58
Fluorene
Concen: 40.441 ng
RT: 10.551 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:166 Resp: 72786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 92.9 | 73.7 | 110.5 |
| 167 | 13.8 | 10.9 | 16.3 |




**Instrument :**
BNA_F
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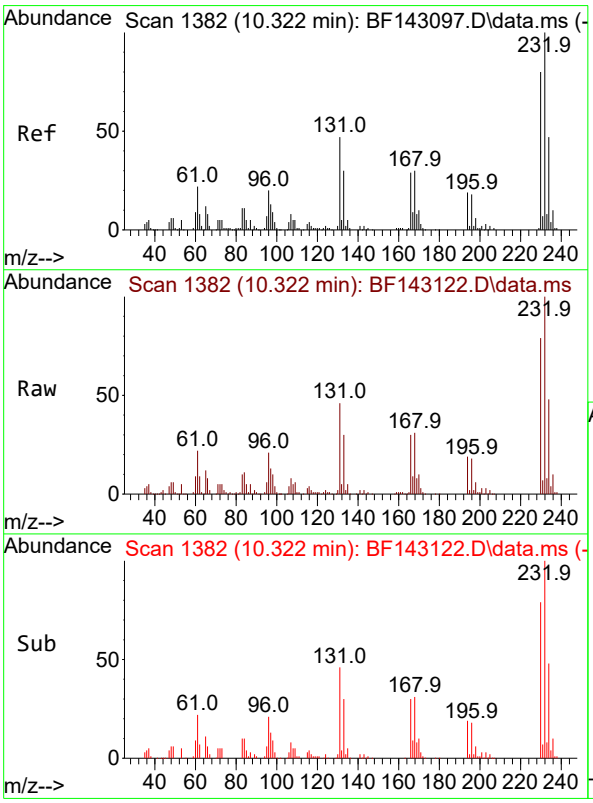
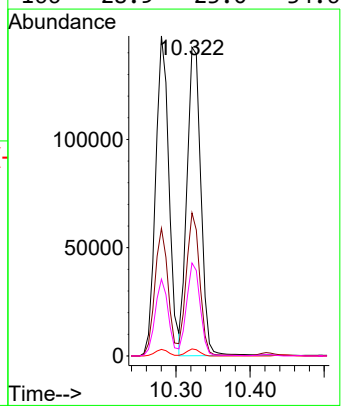
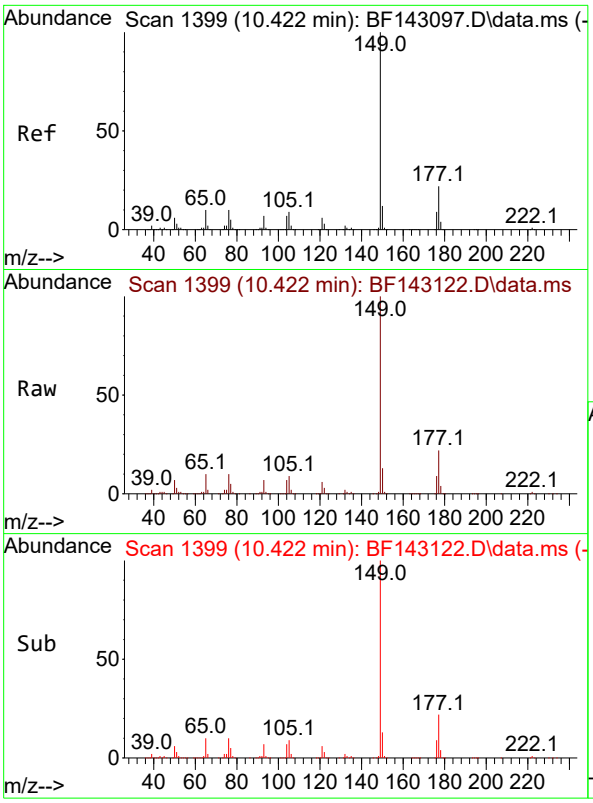



#59
2,3,4,6-Tetrachlorophenol
Concen: 44.054 ng
RT: 10.322 min Scan# 1382
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:232 Resp: 185838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 44.7 | 36.9 | 55.3 |
| 130 | 2.1 | 1.8 | 2.8 |
| 166 | 28.9 | 23.0 | 34.6 |

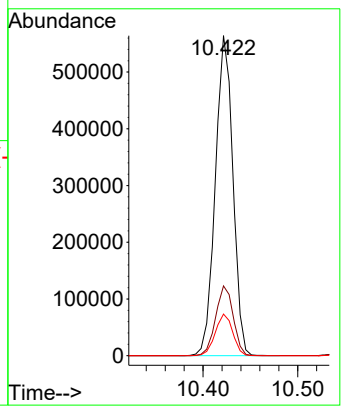





#60
Diethylphthalate
Concen: 42.899 ng
RT: 10.422 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:149 Resp: 72795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.8 | 17.3 | 25.9 |
| 150 | 13.0 | 9.9 | 14.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MS

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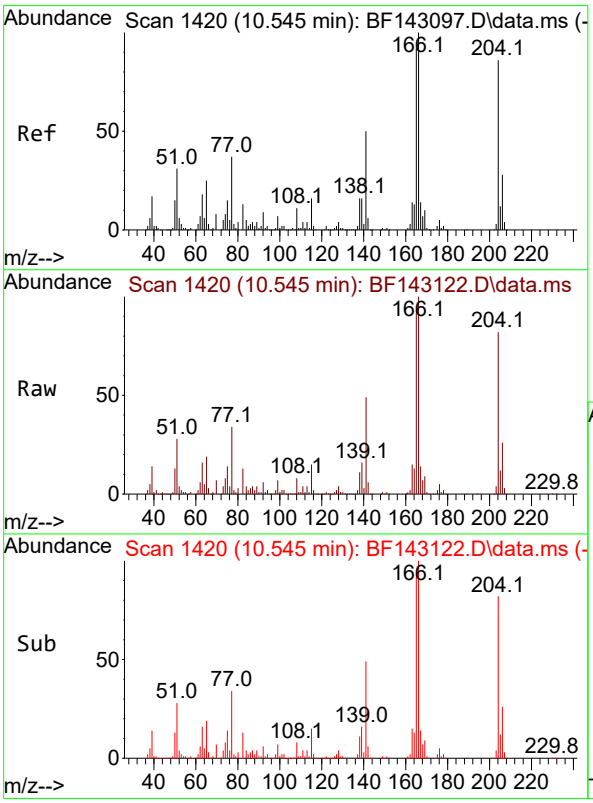
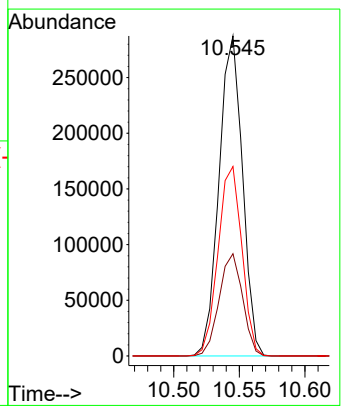
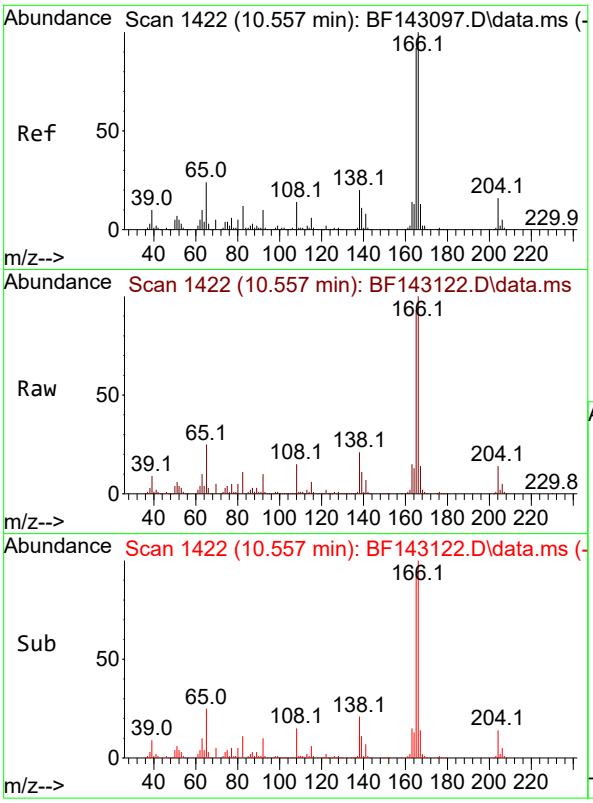



#61
4-Chlorophenyl-phenylether
Concen: 41.424 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:204 Resp: 357337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 31.9 | 25.8 | 38.6 |
| 141 | 59.2 | 46.8 | 70.2 |

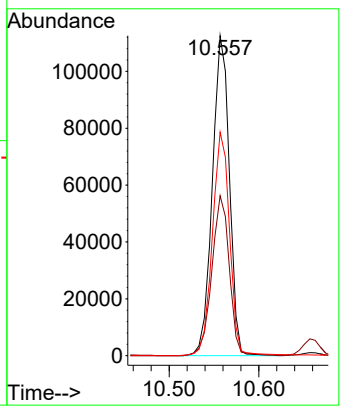





#62
4-Nitroaniline
Concen: 44.897 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:138 Resp: 14838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.0 | 30.4 | 70.4 |
| 108 | 69.8 | 49.5 | 89.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MS

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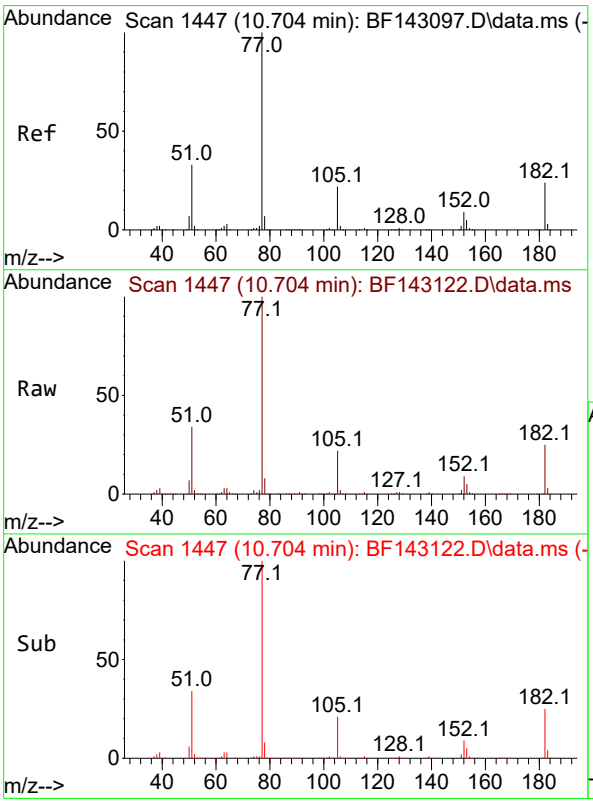
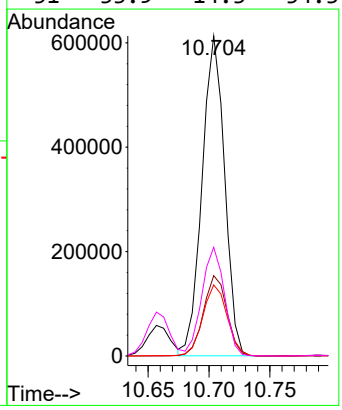
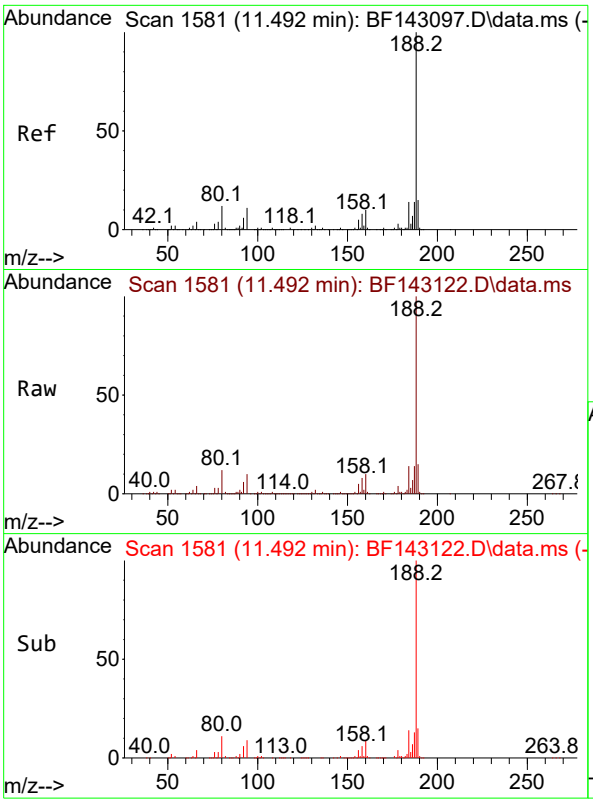



#63
Azobenzene
Concen: 42.054 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion: 77 Resp: 789208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.1 | 4.0 | 44.0 |
| 105 | 22.2 | 1.4 | 41.4 |
| 51 | 33.9 | 14.3 | 54.3 |






#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:188 Resp: 44244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.4 | 8.6 | 13.0 |
| 80 | 11.7 | 9.3 | 13.9 |

**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MS

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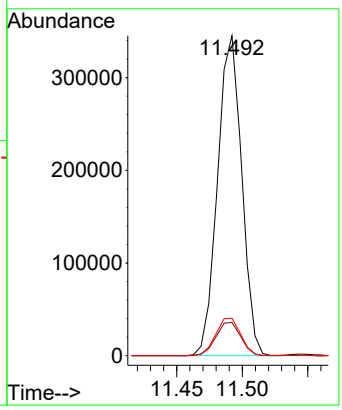
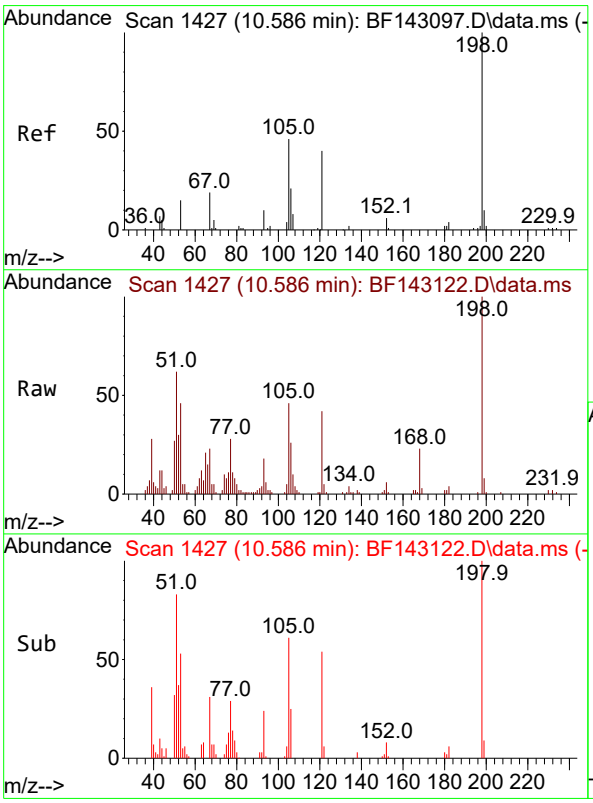
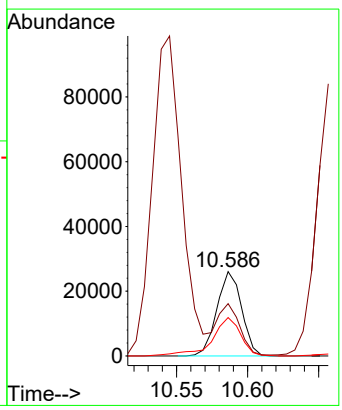


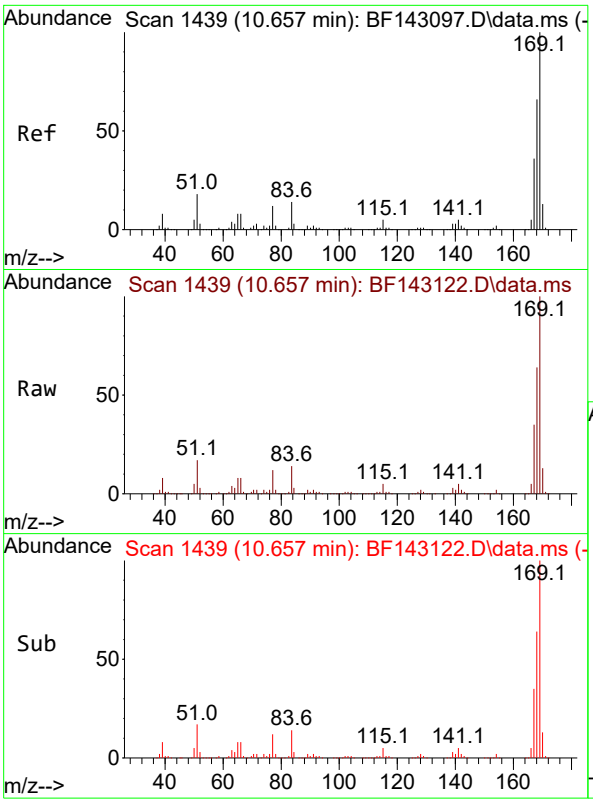




#65
4,6-Dinitro-2-methylphenol
Concen: 24.093 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:198 Resp: 31475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 62.0 | 44.6 | 84.6 |
| 105 | 45.5 | 29.3 | 69.3 |

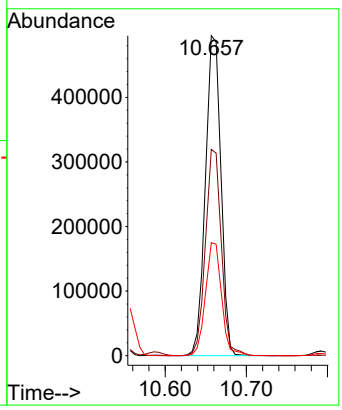





#66
n-Nitrosodiphenylamine
Concen: 42.294 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:169 Resp: 65730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 64.5 | 53.0 | 79.6 |
| 167 | 35.3 | 28.4 | 42.6 |




**Instrument :**
BNA_F
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WC-SOIL-20250711MS

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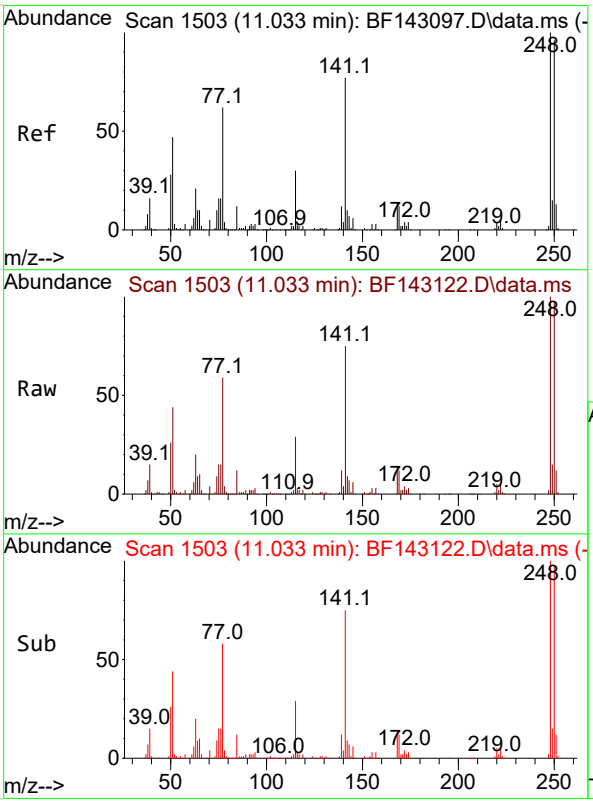
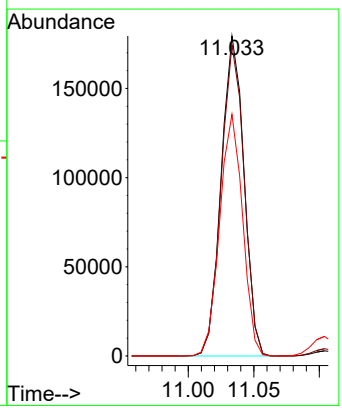
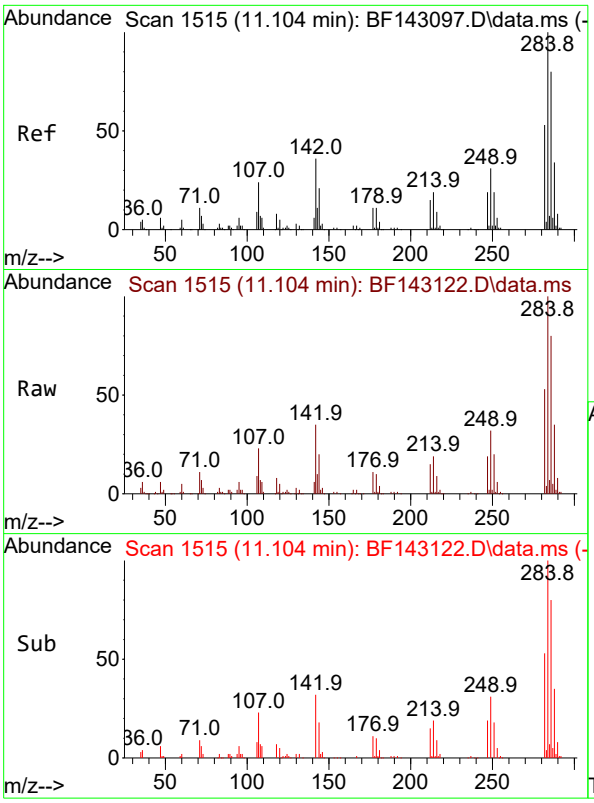



#67
4-Bromophenyl-phenylether
Concen: 43.176 ng
RT: 11.033 min Scan# 1503
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:248 Resp: 217241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.2 | 76.7 | 115.1 |
| 141 | 75.5 | 61.7 | 92.5 |

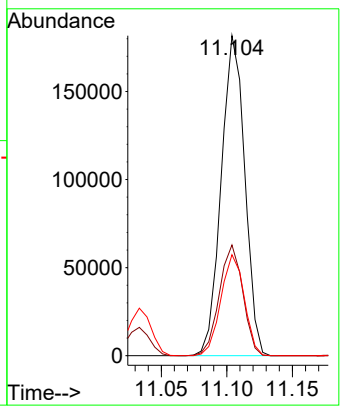





#68
Hexachlorobenzene
Concen: 42.521 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:284 Resp: 22700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.6 | 28.9 | 43.3 |
| 249 | 31.6 | 24.6 | 37.0 |




**Instrument :**
BNA_F
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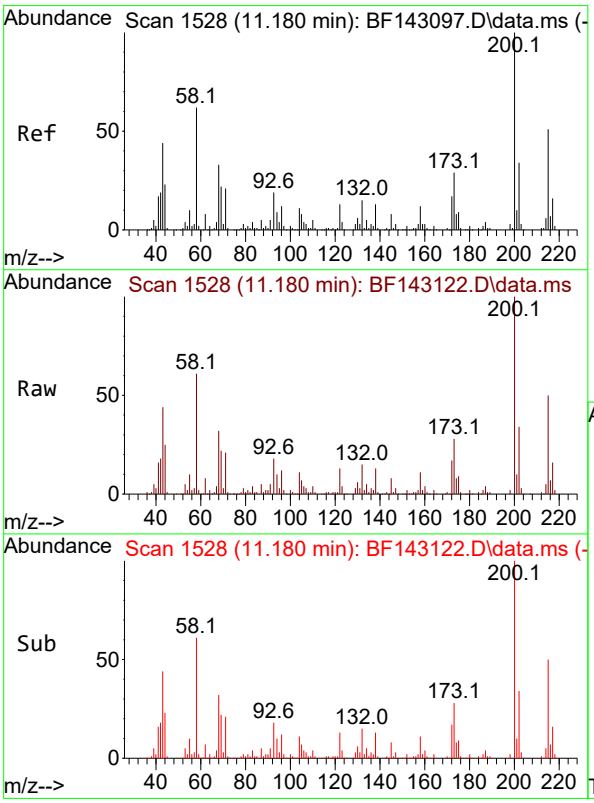
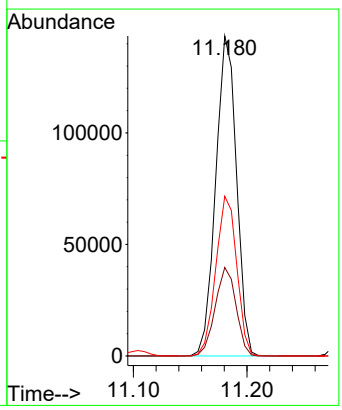
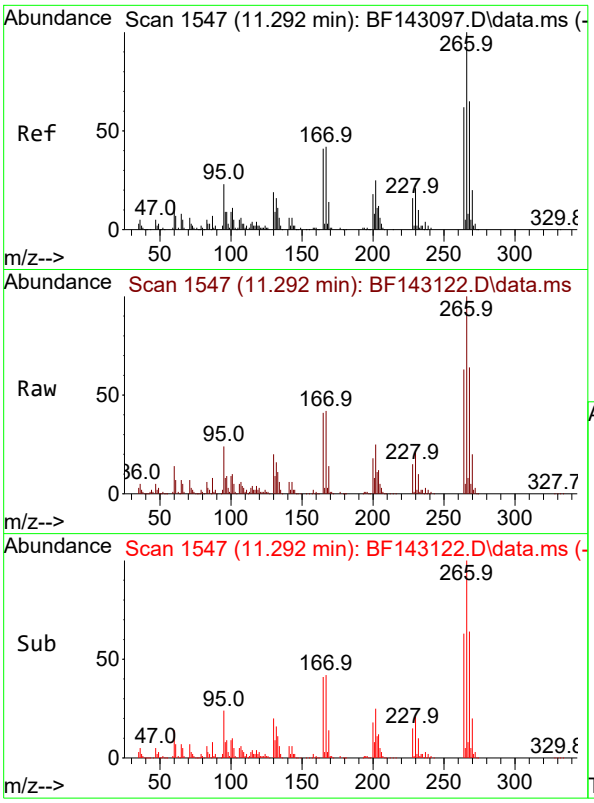



#69
Atrazine
Concen: 45.934 ng
RT: 11.180 min Scan# 1528
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:200 Resp: 182643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.7 | 9.1 | 49.1 |
| 215 | 49.9 | 31.0 | 71.0 |

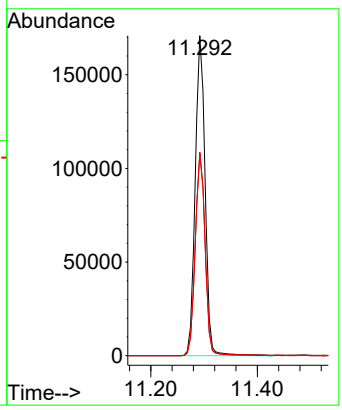





#70
Pentachlorophenol
Concen: 75.092 ng
RT: 11.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:266 Resp: 21994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.5 | 51.8 | 77.6 |
| 264 | 63.5 | 49.7 | 74.5 |




**Instrument :**
BNA_F
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**Manual Integrations**
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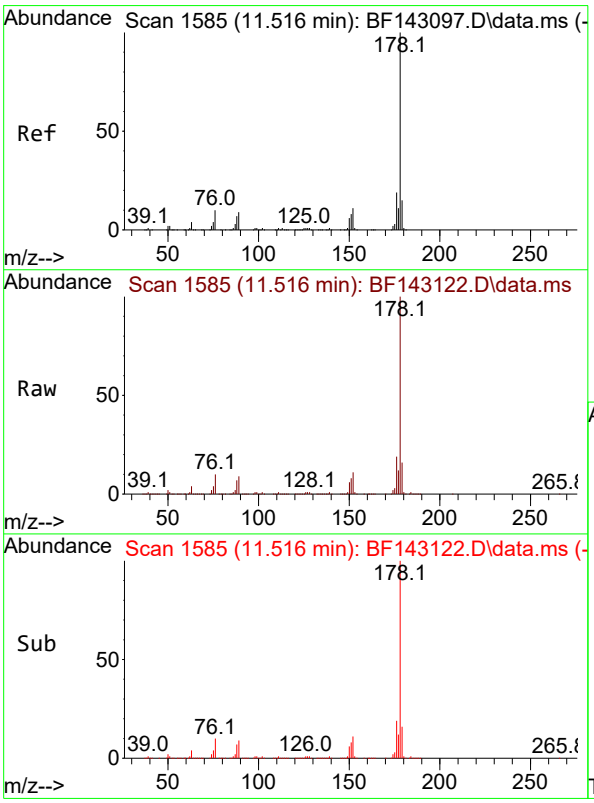
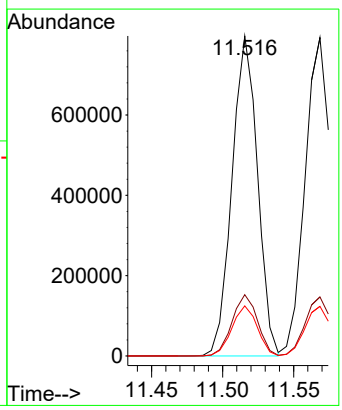
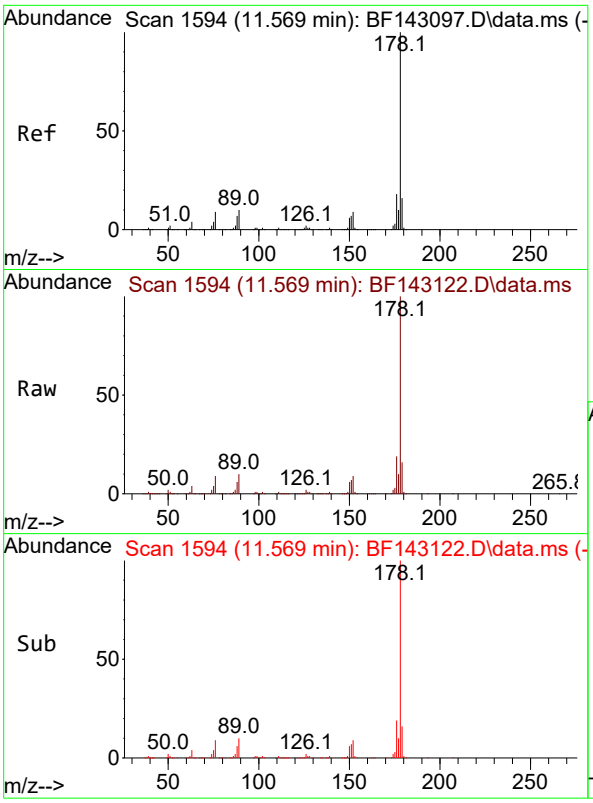



#71
Phenanthrene
Concen: 41.656 ng
RT: 11.516 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:178 Resp: 994655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.1 | 22.7 |
| 179 | 15.6 | 12.2 | 18.4 |

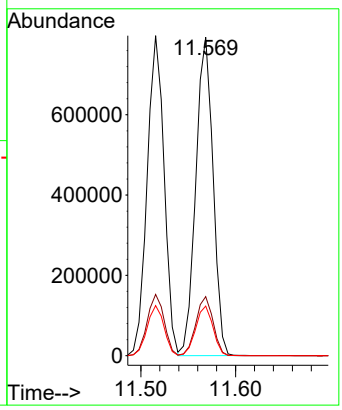





#72
Anthracene
Concen: 41.818 ng
RT: 11.569 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:178 Resp: 100413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 14.7 | 22.1 |
| 179 | 15.6 | 12.4 | 18.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
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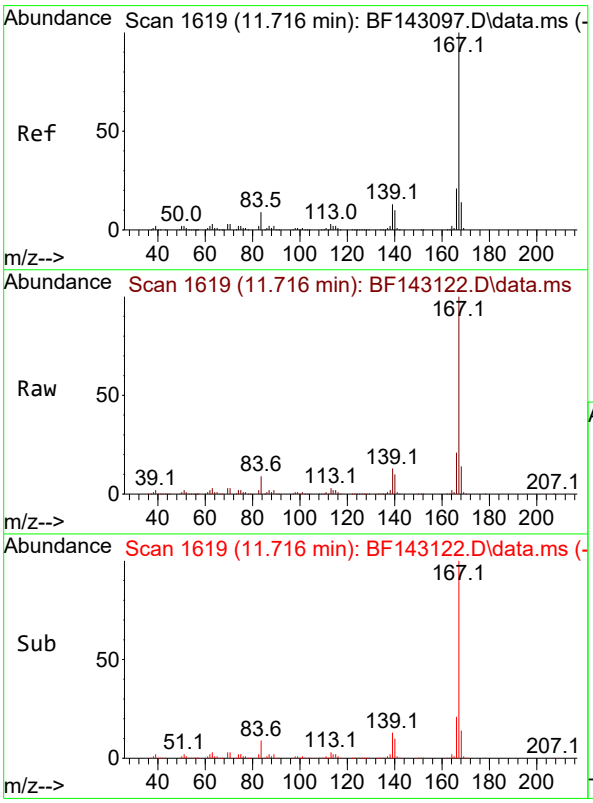
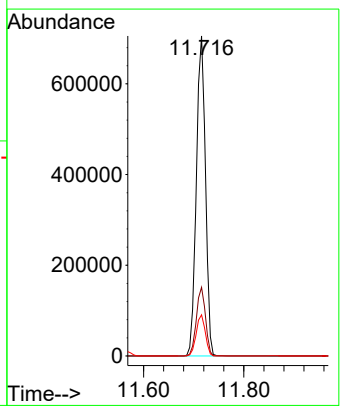
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

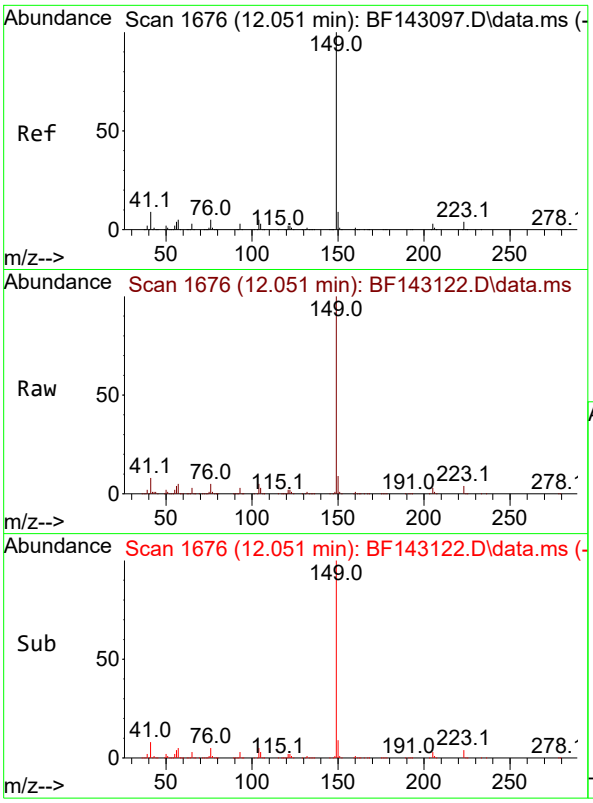



#73
Carbazole
Concen: 41.337 ng
RT: 11.716 min Scan# 1619
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:167 Resp: 889232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.5 | 17.0 | 25.4 |
| 139 | 12.9 | 10.2 | 15.4 |

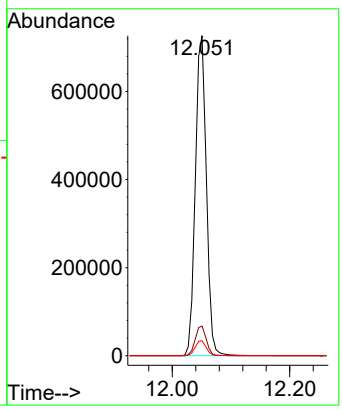





#74
Di-n-butylphthalate
Concen: 47.886 ng
RT: 12.051 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:149 Resp: 94555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.3 | 10.9 |
| 104 | 4.7 | 3.8 | 5.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MS

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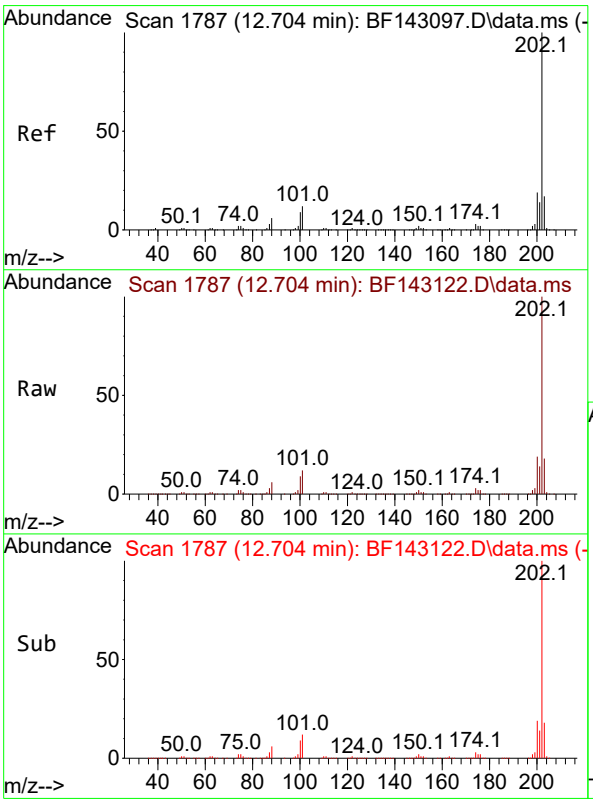
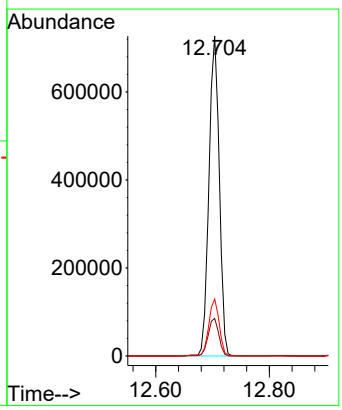
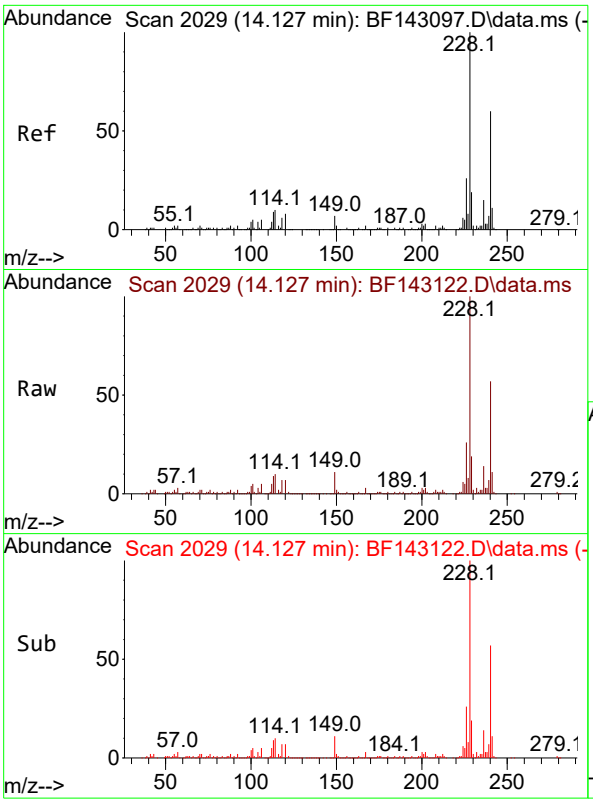



#75
Fluoranthene
Concen: 42.142 ng
RT: 12.704 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:202 Resp: 914970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.8 | 0.0 | 32.4 |
| 203 | 17.8 | 0.0 | 37.4 |

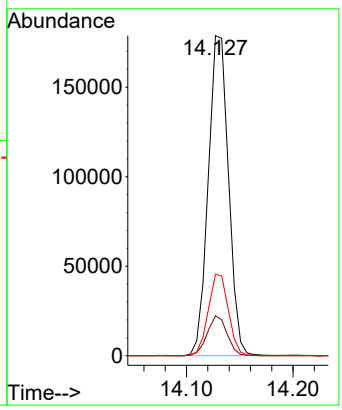





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:240 Resp: 23723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.4 | 10.0 | 15.0 |
| 236 | 25.4 | 20.0 | 30.0 |




**Instrument :**
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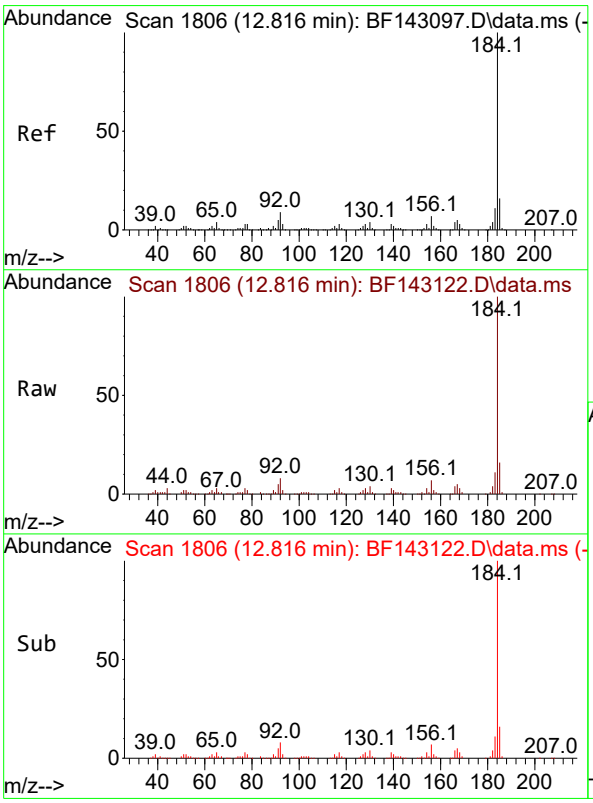
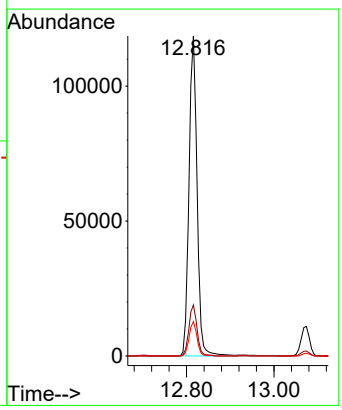
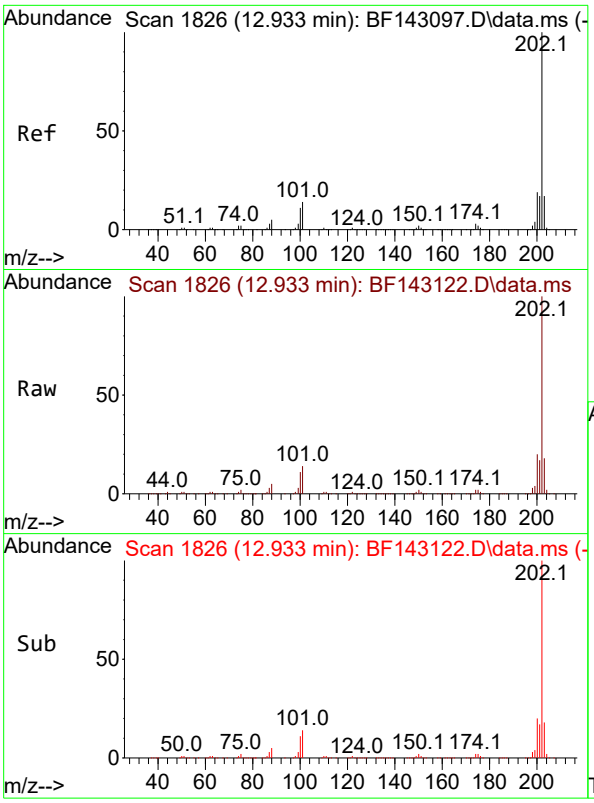



#77
Benzidine
Concen: 18.872 ng
RT: 12.816 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:184 Resp: 152530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 16.0 | 12.4 | 18.6 |
| 183 | 10.7 | 8.6 | 12.8 |

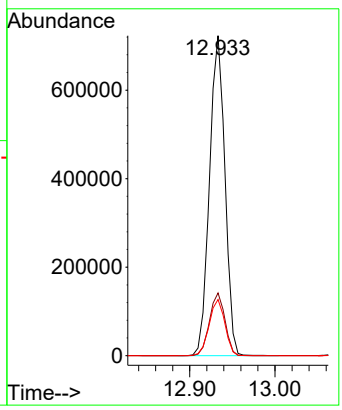





#78
Pyrene
Concen: 41.371 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:202 Resp: 91063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.6 | 15.5 | 23.3 |
| 203 | 17.5 | 14.0 | 21.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MS

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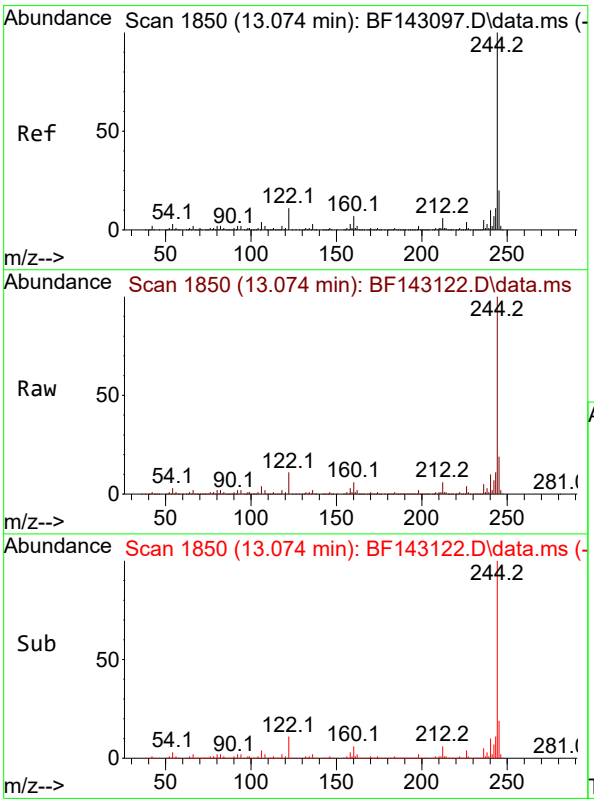
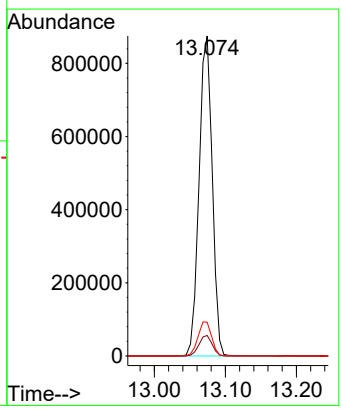
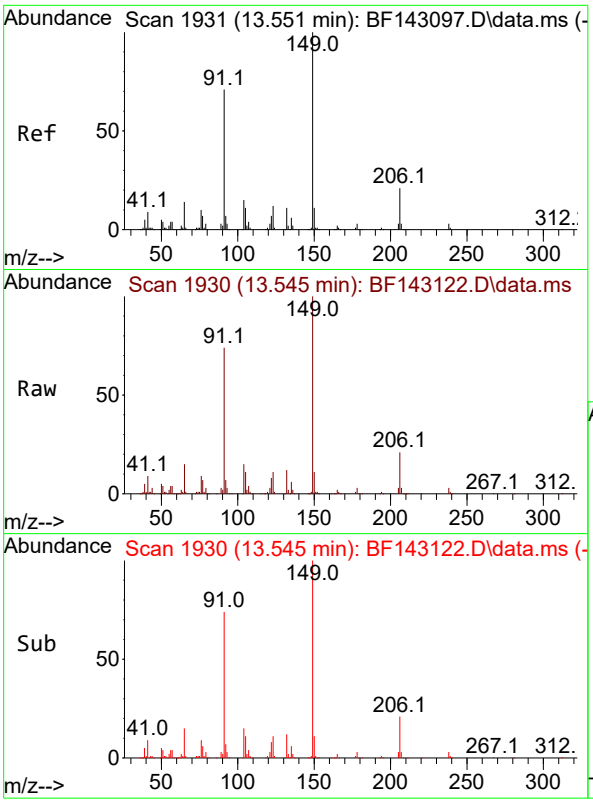



#79
Terphenyl-d14
Concen: 69.646 ng
RT: 13.074 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:244 Resp: 1130292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.4 | 5.2 | 7.8 |
| 122 | 10.5 | 8.8 | 13.2 |

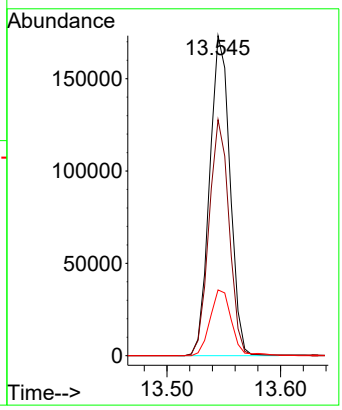





#80
Butylbenzylphthalate
Concen: 48.710 ng
RT: 13.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:149 Resp: 21565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 73.8 | 57.0 | 85.4 |
| 206 | 20.5 | 17.2 | 25.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MS

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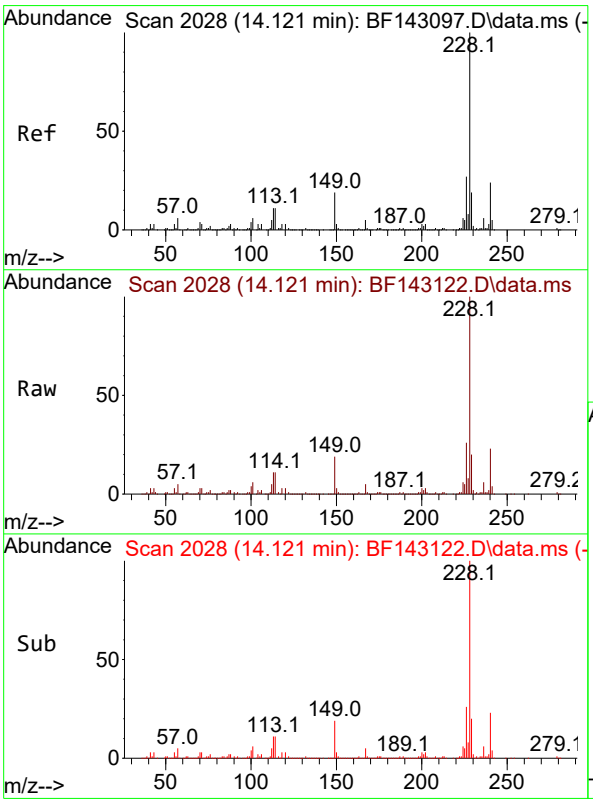
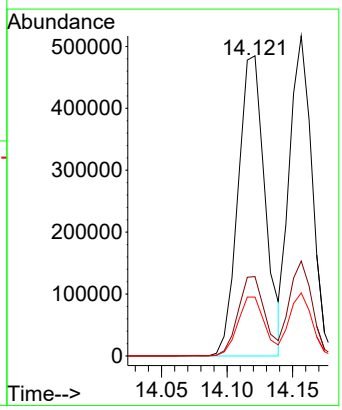
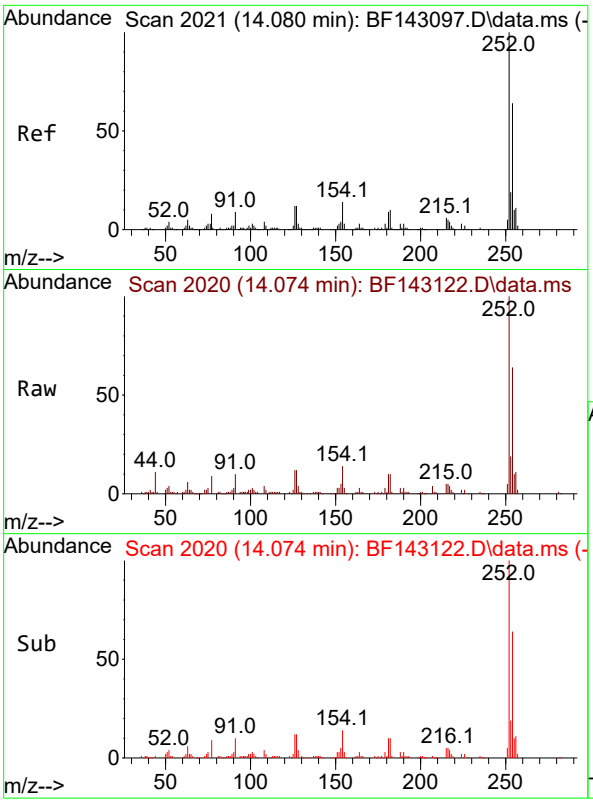



#81
Benzo(a)anthracene
Concen: 43.967 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:228 Resp: 695070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.4 | 21.3 | 31.9 |
| 229 | 19.6 | 15.5 | 23.3 |

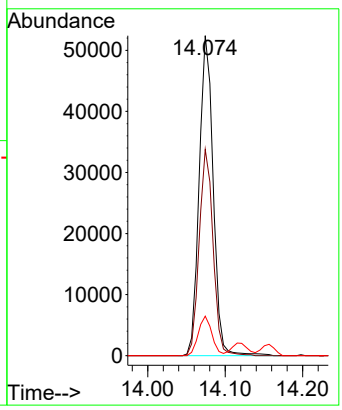





#82
3,3'-Dichlorobenzidine
Concen: 14.346 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:252 Resp: 6586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.4 | 51.5 | 77.3 |
| 126 | 12.3 | 9.4 | 14.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MS

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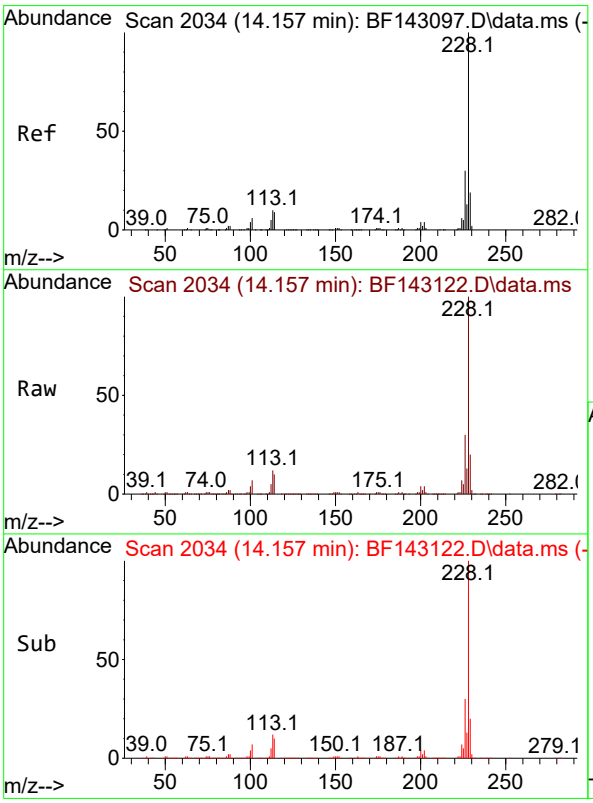
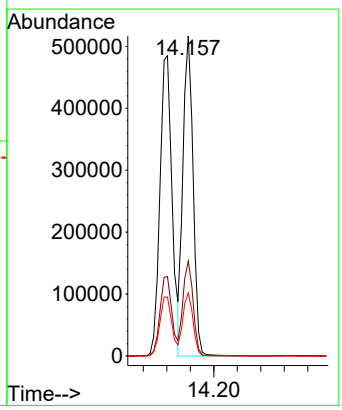
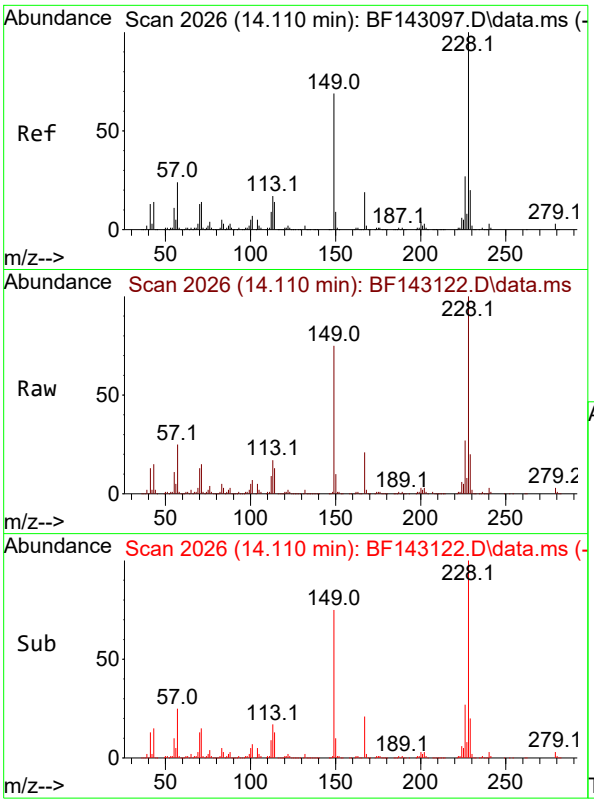



#83
Chrysene
Concen: 42.501 ng
RT: 14.157 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:228 Resp: 618809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.7 | 23.4 | 35.2 |
| 229 | 19.7 | 15.3 | 22.9 |






#84
Bis(2-ethylhexyl)phthalate
Concen: 46.699 ng
RT: 14.110 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:149 Resp: 31080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.7 | 21.9 | 32.9 |
| 279 | 4.5 | 3.4 | 5.0 |

**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MS

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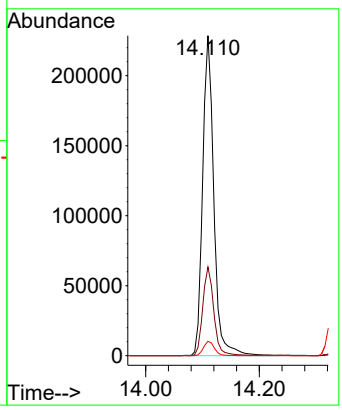
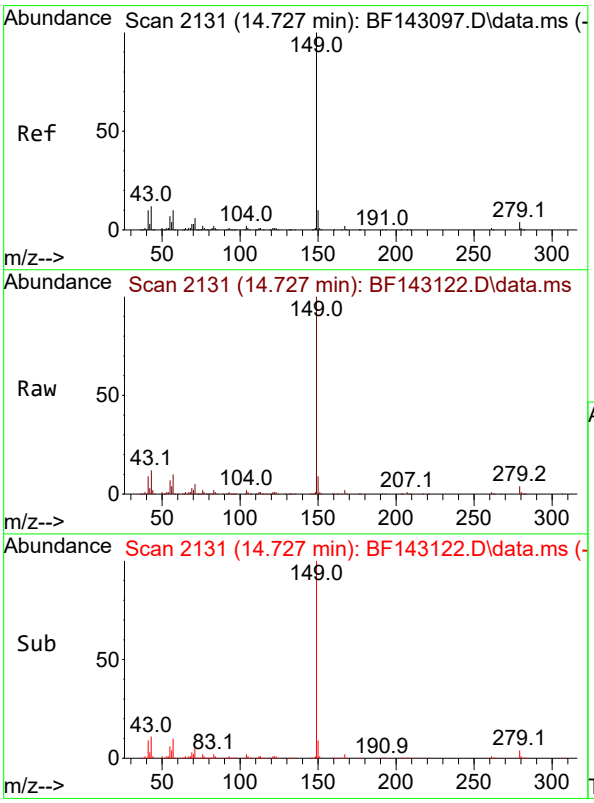
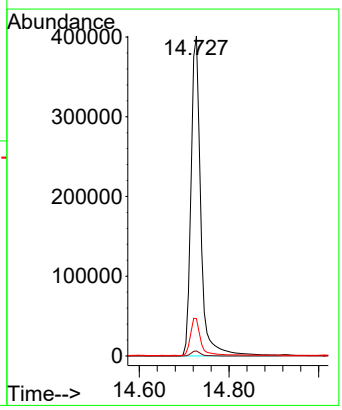


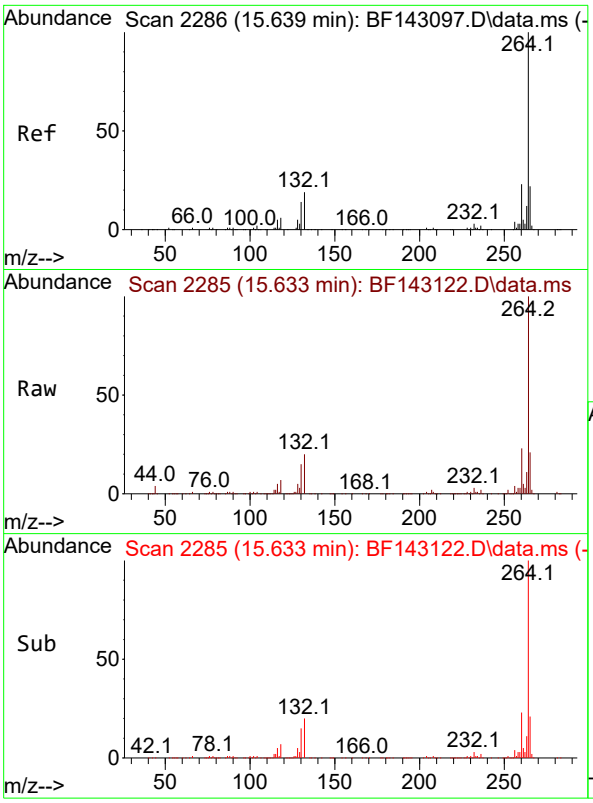




#85
Di-n-octyl phthalate
Concen: 48.177 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:149 Resp: 608309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.2 | 1.8 |
| 43 | 12.3 | 10.6 | 16.0 |

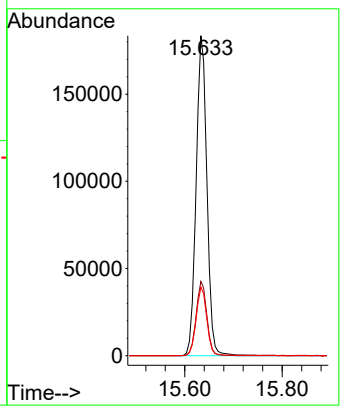





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:264 Resp: 28355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 18.5 | 27.7 |
| 265 | 21.4 | 17.5 | 26.3 |

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WC-SOIL-20250711MS

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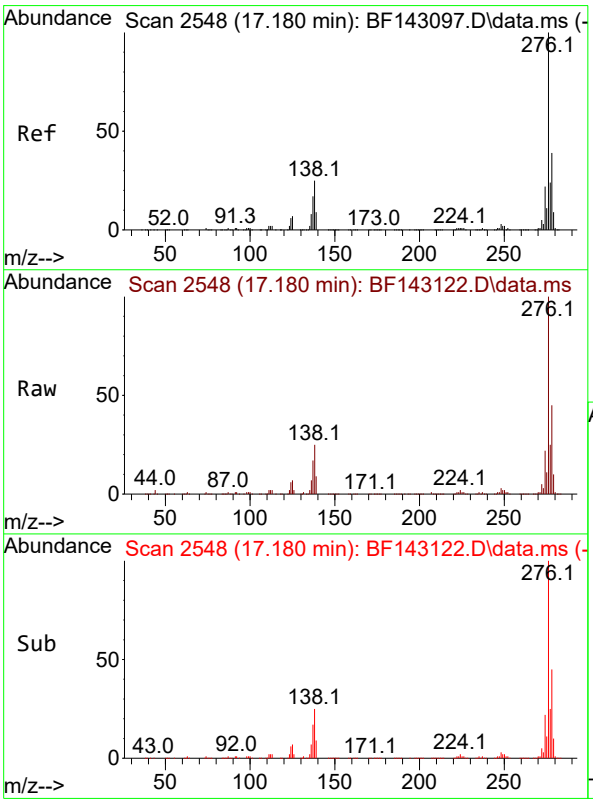
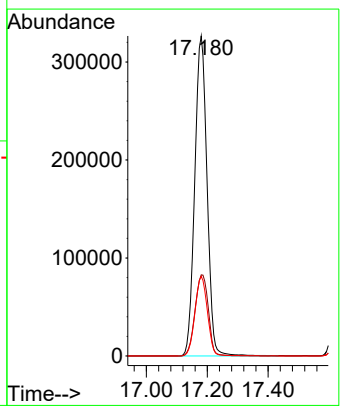
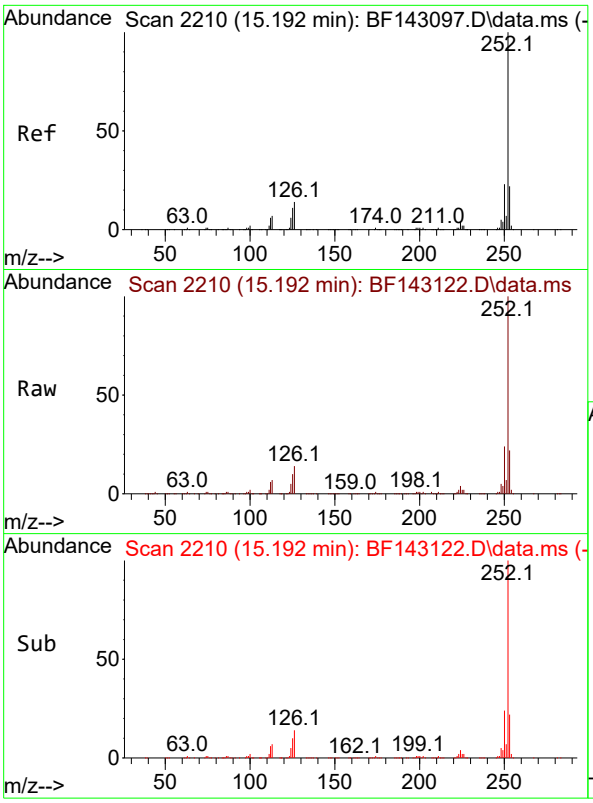



#87
Indeno(1,2,3-cd)pyrene
Concen: 43.399 ng
RT: 17.180 min Scan# 2548
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:276 Resp: 915260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.4 | 22.6 | 34.0 |
| 277 | 25.2 | 20.2 | 30.2 |

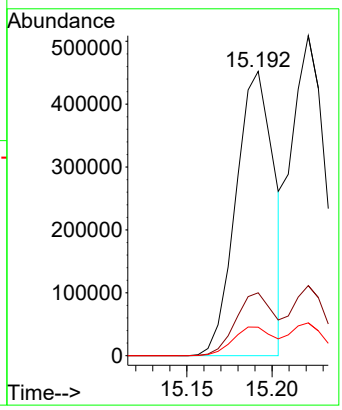





#88
Benzo(b)fluoranthene
Concen: 42.833 ng
RT: 15.192 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:252 Resp: 70057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.5 | 26.3 |
| 125 | 10.0 | 8.6 | 13.0 |

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**ClientSampleId :**
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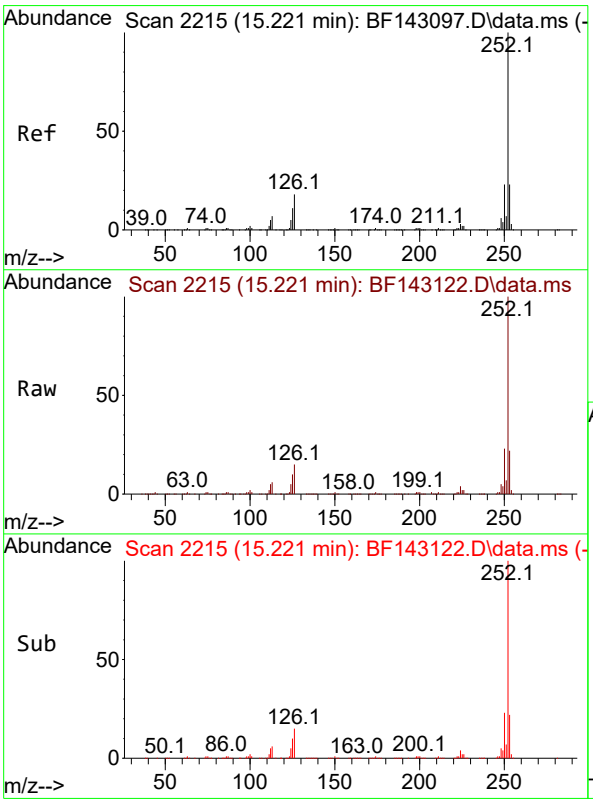
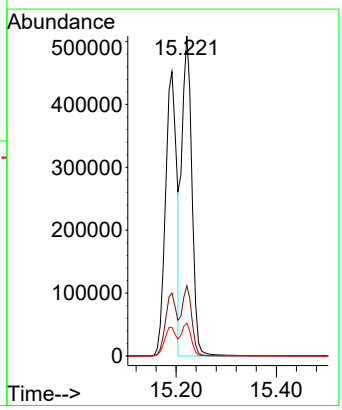
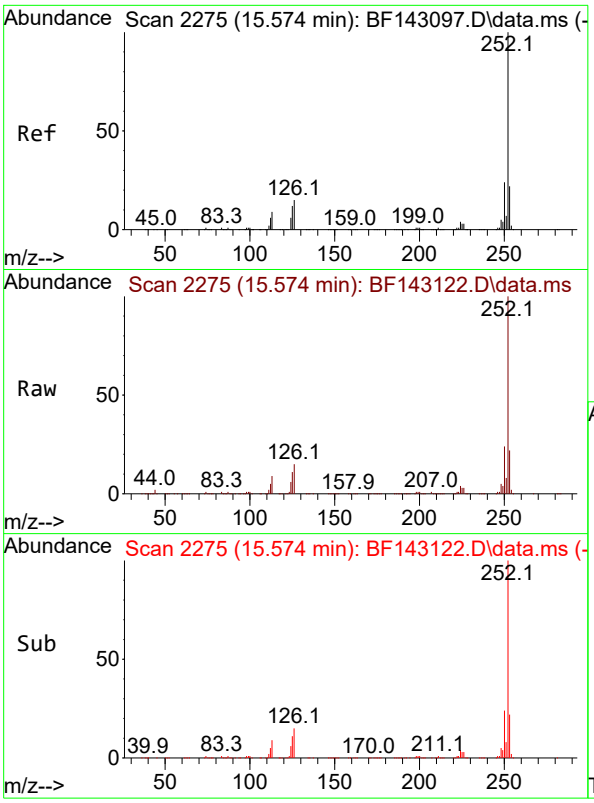



#89
Benzo(k)fluoranthene
Concen: 45.593 ng
RT: 15.221 min Scan# 2215
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:252 Resp: 711413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.4 | 26.2 |
| 125 | 10.2 | 8.5 | 12.7 |

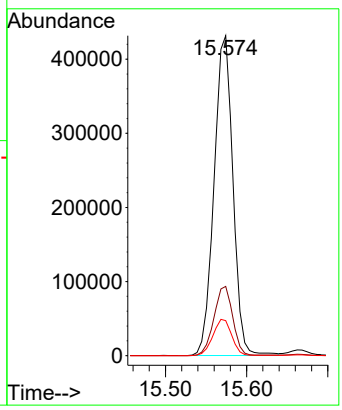





#90
Benzo(a)pyrene
Concen: 45.154 ng
RT: 15.574 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:252 Resp: 69848

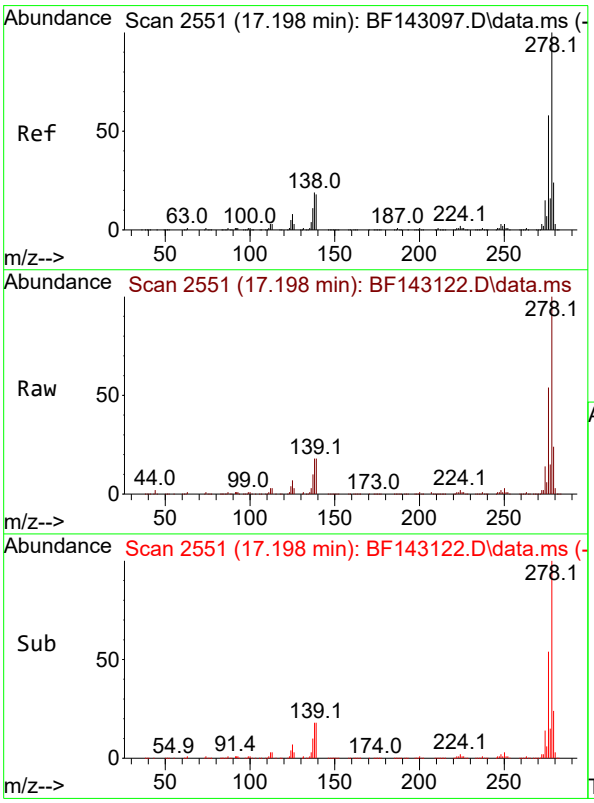
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.5 | 26.3 |
| 125 | 10.9 | 9.4 | 14.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MS

**Manual Integrations**
**APPROVED**

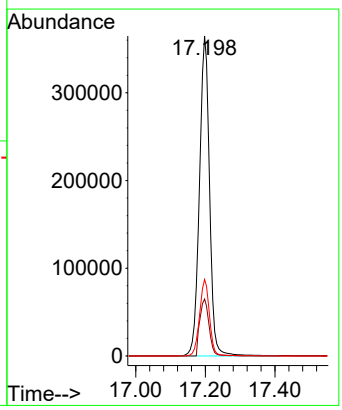
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

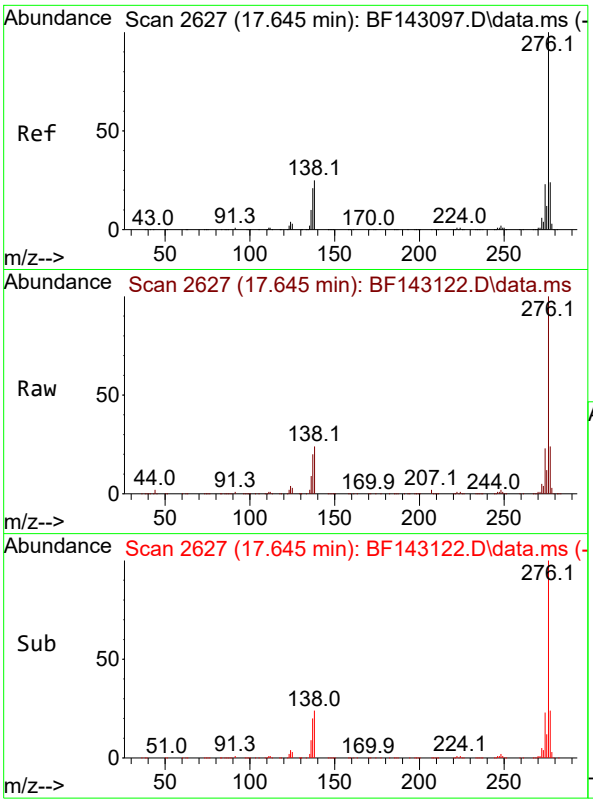



#91
Dibenzo(a,h)anthracene
Concen: 42.753 ng
RT: 17.198 min Scan# 2551
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:278 Resp: 737065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.8 | 14.6 | 22.0 |
| 279 | 23.9 | 18.8 | 28.2 |

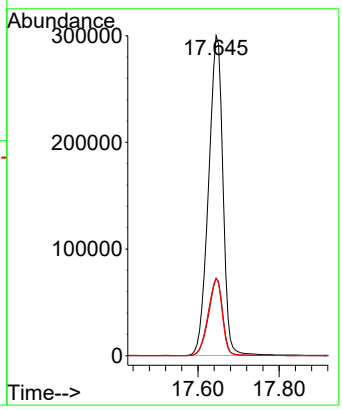





#92
Benzo(g,h,i)perylene
Concen: 41.822 ng
RT: 17.645 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143122.D
Acq: 16 Jul 2025 22:09

Tgt Ion:276 Resp: 73508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.2 | 19.2 | 28.8 |
| 138 | 24.2 | 19.8 | 29.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MS

**Manual Integrations**
**APPROVED**

Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | PARSONS Engineering of New York, Inc. | Date Collected: | 07/11/25 |
| Project: | Con Edison - East River Site 2 | Date Received: | 07/11/25 |
| Client Sample ID: | WC-SOIL-20250711MSD | SDG No.: | Q2592 |
| Lab Sample ID: | Q2592-02MSD | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF143123.D | 1 | 07/16/25 10:14 | 07/16/25 22:38 | PB168885 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 110-86-1 | Pyridine | 290 | | 12.8 | 50.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 360 | | 5.30 | 50.0 | ug/L |
| 95-48-7 | 2-Methylphenol | 400 | | 11.2 | 50.0 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 400 | | 11.0 | 100 | ug/L |
| 67-72-1 | Hexachloroethane | 380 | | 6.50 | 50.0 | ug/L |
| 98-95-3 | Nitrobenzene | 430 | | 7.60 | 50.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 390 | | 5.40 | 50.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 440 | | 5.10 | 50.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 430 | | 6.20 | 50.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 470 | | 12.2 | 50.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | 440 | | 5.20 | 50.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 710 | | 15.8 | 100 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 100 | | 23 - 138 | 67% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 96.3 | | 10 - 134 | 64% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 82.6 | | 67 - 132 | 83% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 68.6 | | 52 - 132 | 69% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 127 | | 44 - 137 | 85% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 68.7 | | 42 - 152 | 69% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 155000 | 6.969 | | | |
| 1146-65-2 | Naphthalene-d8 | 590000 | 8.245 | | | |
| 15067-26-2 | Acenaphthene-d10 | 297000 | 10.004 | | | |
| 1517-22-2 | Phenanthrene-d10 | 462000 | 11.492 | | | |
| 1719-03-5 | Chrysene-d12 | 243000 | 14.127 | | | |
| 1520-96-3 | Perylene-d12 | 288000 | 15.633 | | | |

Alliance TECHNICAL GROUP
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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | PARSONS Engineering of New York, Inc. | Date Collected: | 07/11/25 |
| Project: | Con Edison - East River Site 2 | Date Received: | 07/11/25 |
| Client Sample ID: | WC-SOIL-20250711MSD | SDG No.: | Q2592 |
| Lab Sample ID: | Q2592-02MSD | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF143123.D | 1 | 07/16/25 10:14 | 07/16/25 22:38 | PB168885 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143123.D
Acq On : 16 Jul 2025 22:38
Operator : RC/JU
Sample : Q2592-02MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 17 03:46:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MSD

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.969 | 152 | 155046 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.245 | 136 | 589623 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 10.004 | 164 | 296871 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.492 | 188 | 461806 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.127 | 240 | 242870 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.633 | 264 | 288284 | 20.000 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.604 | 112 | 985165 | 100.389 | ng | 0.02 |
| 7) Phenol-d6 | 6.587 | 99 | 1187920 | 96.301 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.522 | 82 | 868402 | 82.622 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.792 | 330 | 335959 | 126.918 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.322 | 172 | 1531577 | 68.578 | ng | 0.00 |
| 79) Terphenyl-d14 | 13.074 | 244 | 1141518 | 68.707 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.051 | 88 | 158532 | 32.453 | ng | # 88 |
| 3) Pyridine | 3.746 | 79 | 359677 | 29.076 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.657 | 42 | 235146 | 36.690 | ng | 99 |
| 6) Aniline | 6.628 | 93 | 248322 | 14.295 | ng | 99 |
| 8) 2-Chlorophenol | 6.751 | 128 | 399351 | 40.503 | ng | 98 |
| 9) Benzaldehyde | 6.516 | 77 | 208065 | 22.136 | ng | 99 |
| 10) Phenol | 6.604 | 94 | 474280 | 35.516 | ng | 100 |
| 11) bis(2-Chloroethyl)ether | 6.698 | 93 | 401788 | 38.865 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 6.910 | 146 | 401439 | 36.039 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.986 | 146 | 403710 | 36.025 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.139 | 146 | 390356 | 36.527 | ng | 100 |
| 15) Benzyl Alcohol | 7.098 | 79 | 377846 | 41.339 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.239 | 45 | 712236 | 37.375 | ng | 99 |
| 17) 2-Methylphenol | 7.210 | 107 | 341828 | 40.174 | ng | 99 |
| 18) Hexachloroethane | 7.486 | 117 | 140139 | 38.414 | ng | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.375 | 70 | 303492 | 40.159 | ng | 99 |
| 20) 3+4-Methylphenols | 7.363 | 107 | 420120 | 40.262 | ng | 97 |
| 22) Acetophenone | 7.369 | 105 | 555372 | 39.074 | ng | # 93 |
| 24) Nitrobenzene | 7.545 | 77 | 436738 | 43.043 | ng | 99 |
| 25) Isophorone | 7.781 | 82 | 836111 | 41.156 | ng | 99 |
| 26) 2-Nitrophenol | 7.857 | 139 | 183091 | 45.388 | ng | 97 |
| 27) 2,4-Dimethylphenol | 7.892 | 122 | 393628 | 41.746 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.992 | 93 | 511274 | 41.502 | ng | 99 |
| 29) 2,4-Dichlorophenol | 8.098 | 162 | 331282 | 42.946 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.186 | 180 | 342733 | 39.150 | ng | 98 |
| 31) Naphthalene | 8.269 | 128 | 1148259 | 39.217 | ng | 100 |
| 33) 4-Chloroaniline | 8.310 | 127 | 45970 | 3.904 | ng | 98 |
| 34) Hexachlorobutadiene | 8.392 | 225 | 205545 | 39.259 | ng | 99 |
| 35) Caprolactam | 8.663 | 113 | 86853m | 36.057 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.786 | 107 | 366909 | 42.700 | ng | 98 |
| 37) 2-Methylnaphthalene | 8.963 | 142 | 713317 | 40.837 | ng | 100 |
| 38) 1-Methylnaphthalene | 9.063 | 142 | 735969 | 40.624 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.128 | 216 | 345751 | 39.964 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 9.122 | 237 | 383185 | 79.887 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 9.233 | 196 | 237559 | 44.192 | ng | 98 |
| 44) 2,4,5-Trichlorophenol | 9.275 | 196 | 243096 | 43.128 | ng | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143123.D
Acq On : 16 Jul 2025 22:38
Operator : RC/JU
Sample : Q2592-02MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 17 03:46:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MSD

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 46) 1,1'-Biphenyl | 9.428 | 154 | 957169 | 40.430 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.451 | 162 | 694587 | 39.937 | ng | | 99 |
| 48) 2-Nitroaniline | 9.539 | 65 | 227895 | 44.159 | ng | | 96 |
| 49) Acenaphthylene | 9.869 | 152 | 1183859 | 40.849 | ng | | 99 |
| 50) Dimethylphthalate | 9.722 | 163 | 822343 | 44.031 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.780 | 165 | 167499 | 45.539 | ng | | 91 |
| 52) Acenaphthene | 10.039 | 154 | 682900 | 39.930 | ng | | 100 |
| 53) 3-Nitroaniline | 9.945 | 138 | 97193 | 24.084 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 10.045 | 184 | 22054 | 24.116 | ng | # | 1 |
| 55) Dibenzofuran | 10.210 | 168 | 1040598 | 40.822 | ng | | 99 |
| 56) 4-Nitrophenol | 10.098 | 139 | 226579 | 70.644 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 10.180 | 165 | 214229 | 46.591 | ng | | 99 |
| 58) Fluorene | 10.557 | 166 | 764679 | 40.011 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.327 | 232 | 199674 | 44.577 | ng | | 98 |
| 60) Diethylphthalate | 10.422 | 149 | 771529 | 42.818 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.545 | 204 | 381957 | 41.698 | ng | | 99 |
| 62) 4-Nitroaniline | 10.557 | 138 | 152045 | 43.324 | ng | | 98 |
| 63) Azobenzene | 10.704 | 77 | 841015 | 42.203 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.586 | 198 | 29165 | 22.144 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 10.663 | 169 | 682136 | 42.051 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 11.033 | 248 | 230049 | 43.804 | ng | | 98 |
| 68) Hexachlorobenzene | 11.104 | 284 | 243166 | 43.638 | ng | | 97 |
| 69) Atrazine | 11.180 | 200 | 192588 | 46.405 | ng | | 96 |
| 70) Pentachlorophenol | 11.292 | 266 | 218021 | 71.314 | ng | | 99 |
| 71) Phenanthrene | 11.516 | 178 | 1028670 | 41.274 | ng | | 100 |
| 72) Anthracene | 11.569 | 178 | 1040808 | 41.528 | ng | | 99 |
| 73) Carbazole | 11.716 | 167 | 918194 | 40.894 | ng | | 100 |
| 74) Di-n-butylphthalate | 12.051 | 149 | 973531 | 47.235 | ng | | 100 |
| 75) Fluoranthene | 12.704 | 202 | 940517 | 41.503 | ng | | 99 |
| 77) Benzidine | 12.816 | 184 | 133752 | 16.165 | ng | | 99 |
| 78) Pyrene | 12.933 | 202 | 913146 | 40.522 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.545 | 149 | 226545 | 49.895 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.121 | 228 | 700338 | 43.273 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.074 | 252 | 72202 | 15.363 | ng | | 99 |
| 83) Chrysene | 14.157 | 228 | 626869 | 42.056 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.110 | 149 | 344266 | 50.248 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.727 | 149 | 680638 | 52.034 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.180 | 276 | 928932 | 43.324 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.192 | 252 | 707624 | 42.554 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.221 | 252 | 722763 | 45.560 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.574 | 252 | 704754 | 44.811 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.198 | 278 | 764803 | 43.634 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.645 | 276 | 746877 | 41.795 | ng | | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143123.D
Acq On : 16 Jul 2025 22:38
Operator : RC/JU
Sample : Q2592-02MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 17 03:46:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MSD

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 07/17/2025
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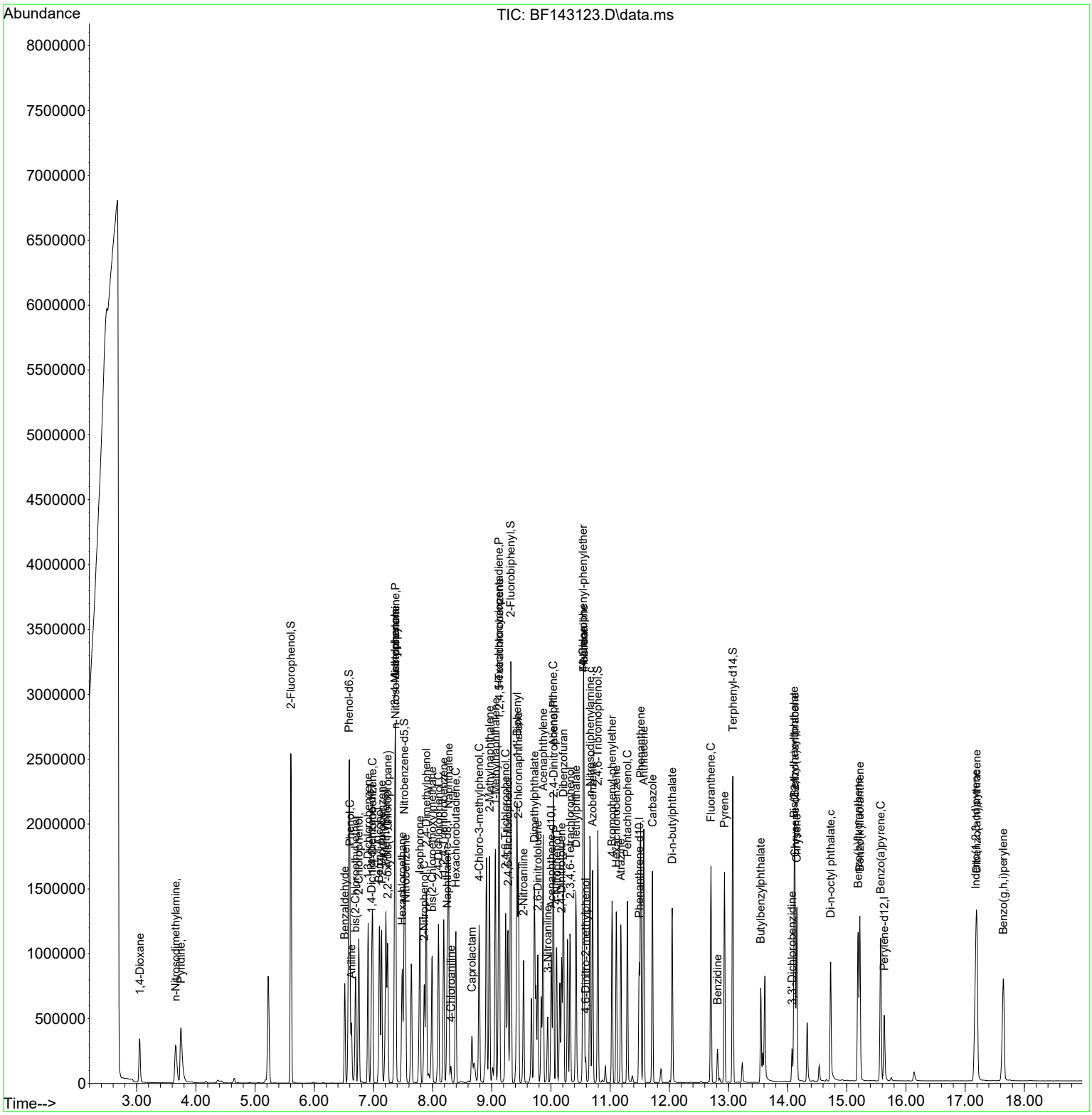
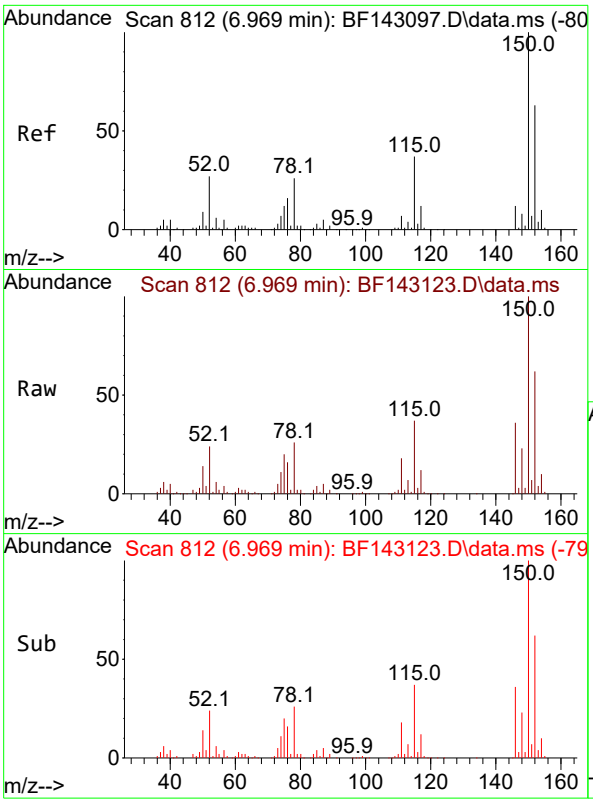
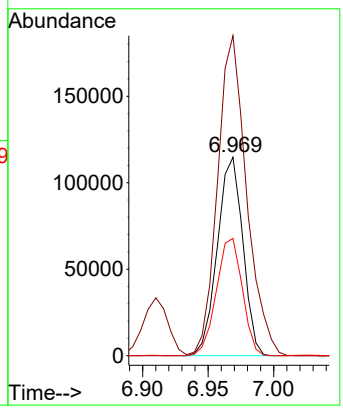





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:152 Resp: 15504

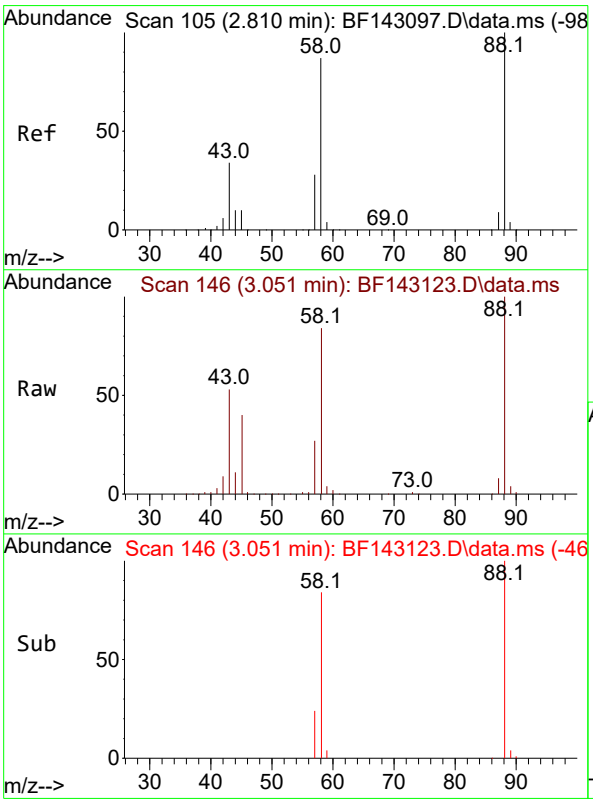
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 161.3 | 126.5 | 189.7 |
| 115 | 59.1 | 47.0 | 70.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MSD

**Manual Integrations**
**APPROVED**

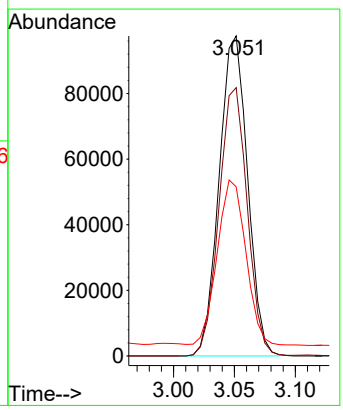
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

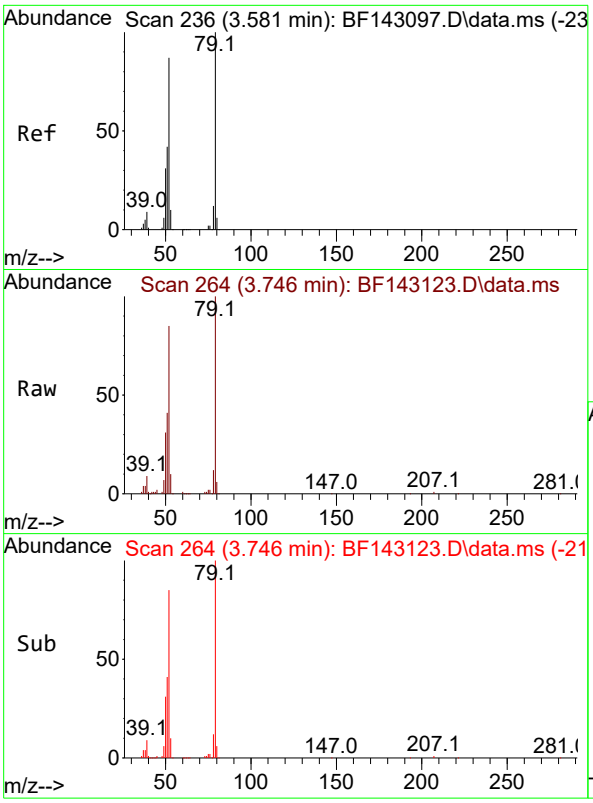



#2
1,4-Dioxane
Concen: 32.453 ng
RT: 3.051 min Scan# 146
Delta R.T. 0.241 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion: 88 Resp: 158532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 83.4 | 70.5 | 105.7 |
| 43 | 51.5 | 27.3 | 40.9# |

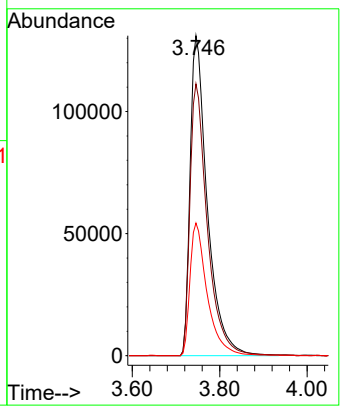





#3
Pyridine
Concen: 29.076 ng
RT: 3.746 min Scan# 2(
Delta R.T. 0.165 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion: 79 Resp: 35967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 85.0 | 69.2 | 103.8 |
| 51 | 41.4 | 33.3 | 49.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MSD

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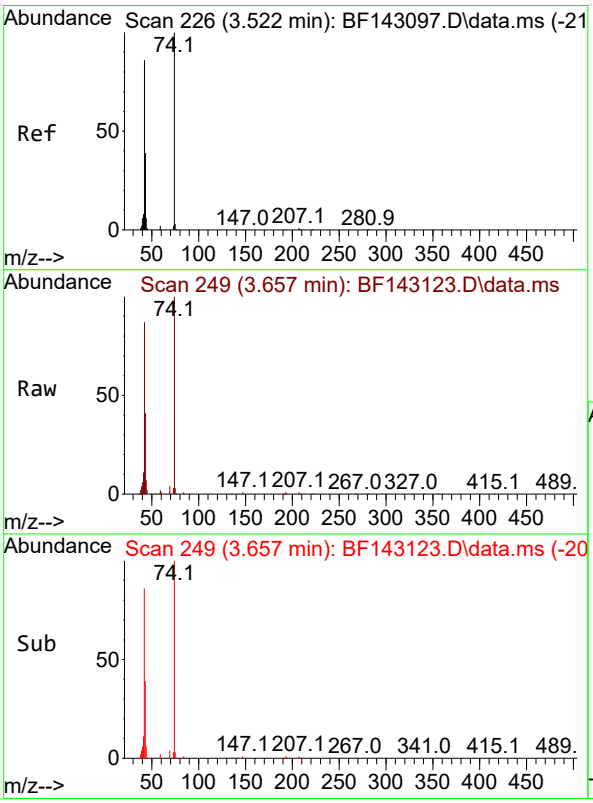
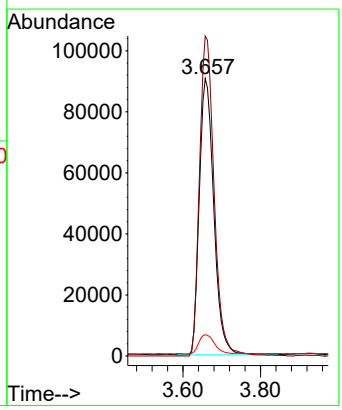
Supervised By :Jagrut Upadhyay 07/17/2025

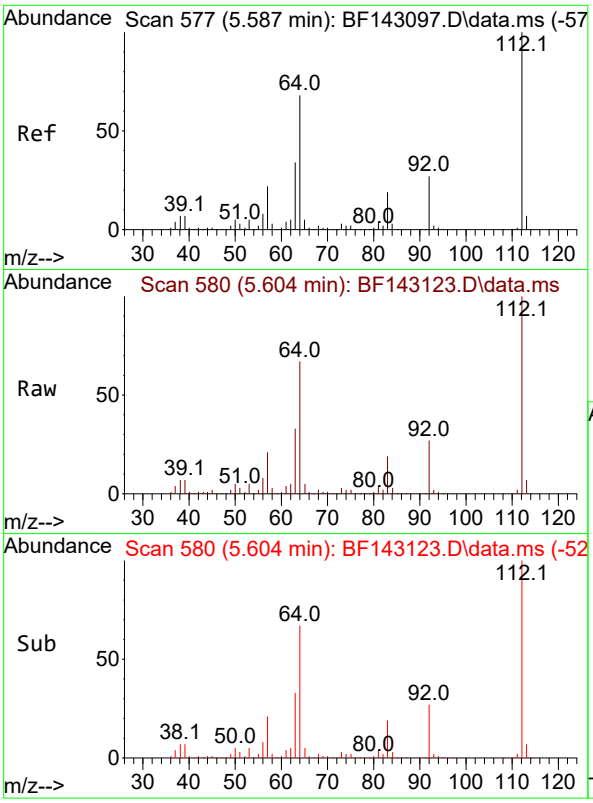



#4
n-Nitrosodimethylamine
Concen: 36.690 ng
RT: 3.657 min Scan# 249
Delta R.T. 0.135 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion: 42 Resp: 235146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 115.3 | 92.8 | 139.2 |
| 44 | 7.7 | 5.8 | 8.6 |

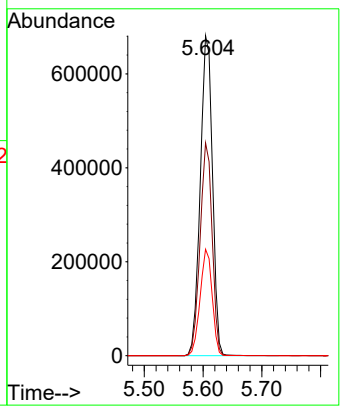





#5
2-Fluorophenol
Concen: 100.389 ng
RT: 5.604 min Scan# 5
Delta R.T. 0.018 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:112 Resp: 98516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 66.5 | 54.6 | 82.0 |
| 63 | 33.2 | 27.3 | 40.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
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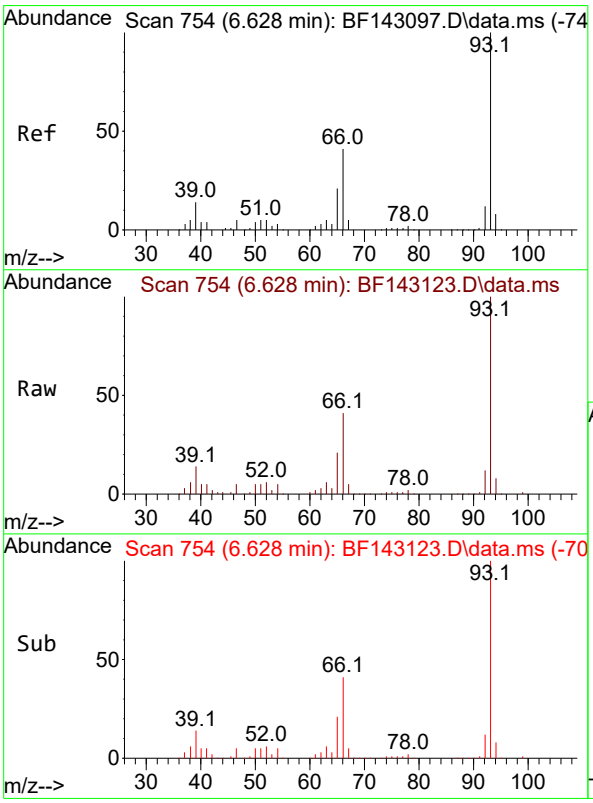
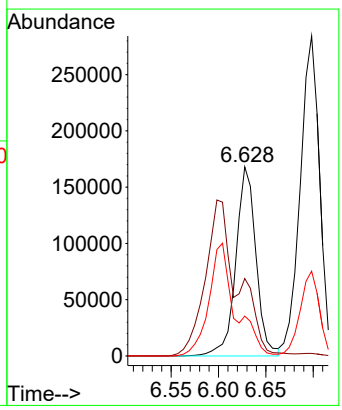
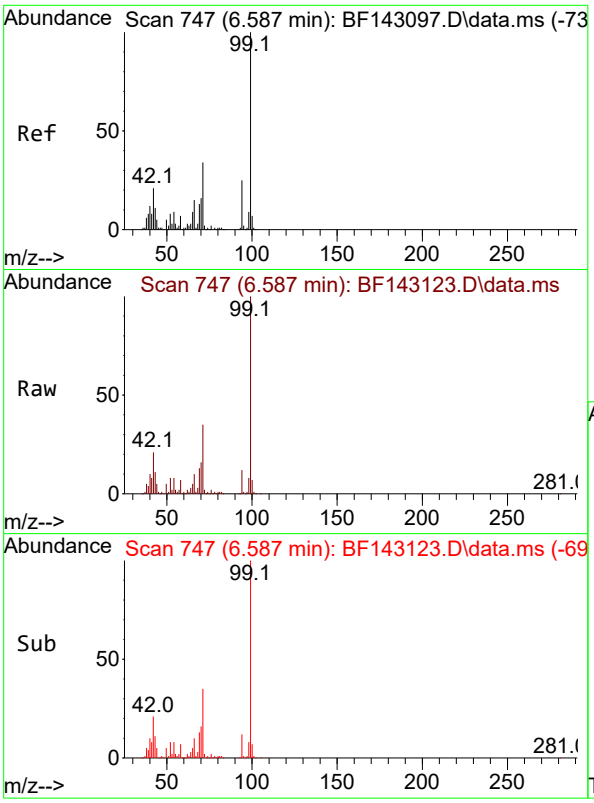



#6
Aniline
Concen: 14.295 ng
RT: 6.628 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion: 93 Resp: 248322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 40.9 | 33.1 | 49.7 |
| 65 | 21.1 | 16.9 | 25.3 |

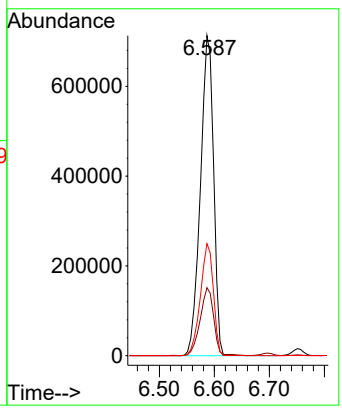





#7
Phenol-d6
Concen: 96.301 ng
RT: 6.587 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion: 99 Resp: 118792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.2 | 17.2 | 25.8 |
| 71 | 35.0 | 27.4 | 41.0 |




**Instrument :**
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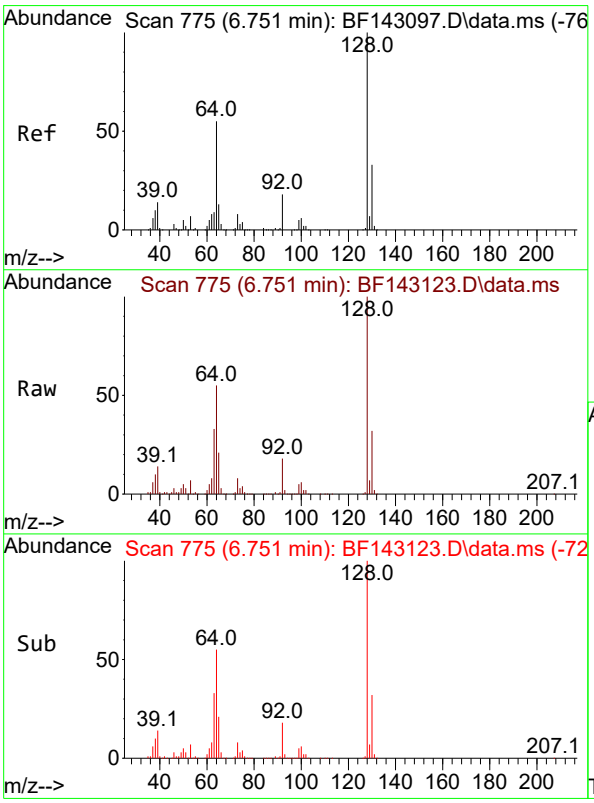
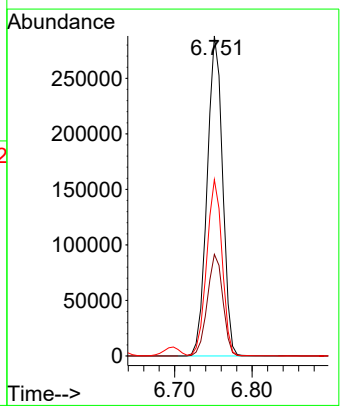
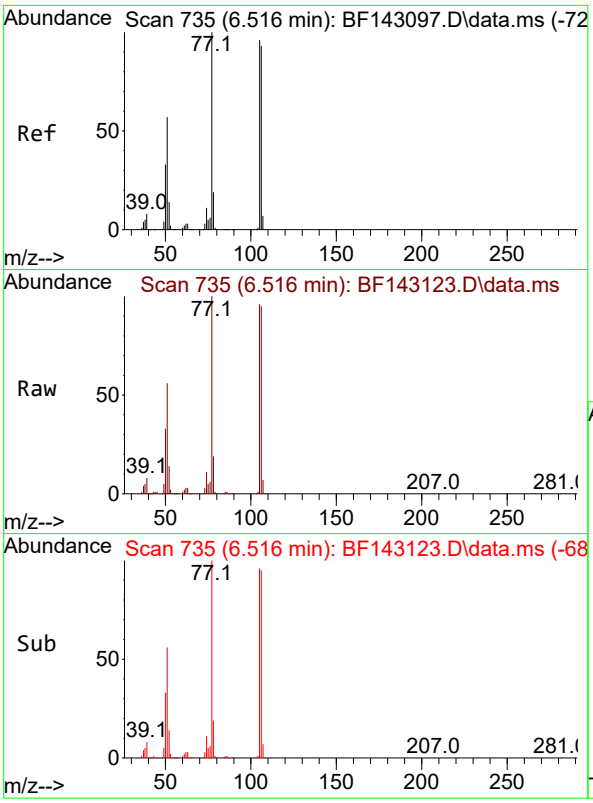



#8
2-Chlorophenol
Concen: 40.503 ng
RT: 6.751 min Scan# 775
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:128 Resp: 399351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 31.8 | 12.8 | 52.8 |
| 64 | 55.1 | 36.1 | 76.1 |

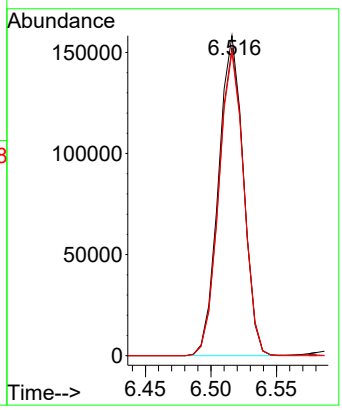





#9
Benzaldehyde
Concen: 22.136 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion: 77 Resp: 20806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 96.2 | 76.3 | 116.3 |
| 106 | 94.7 | 72.8 | 112.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
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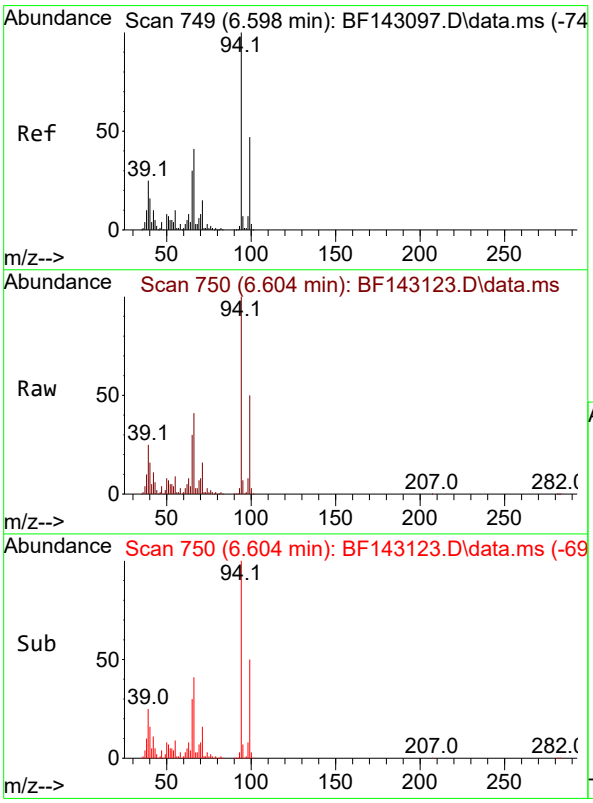
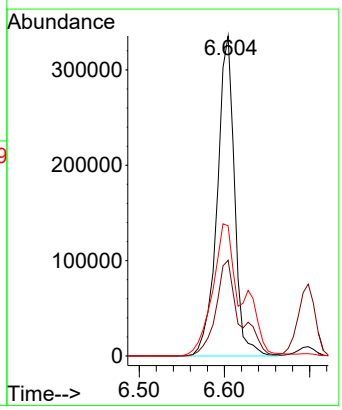
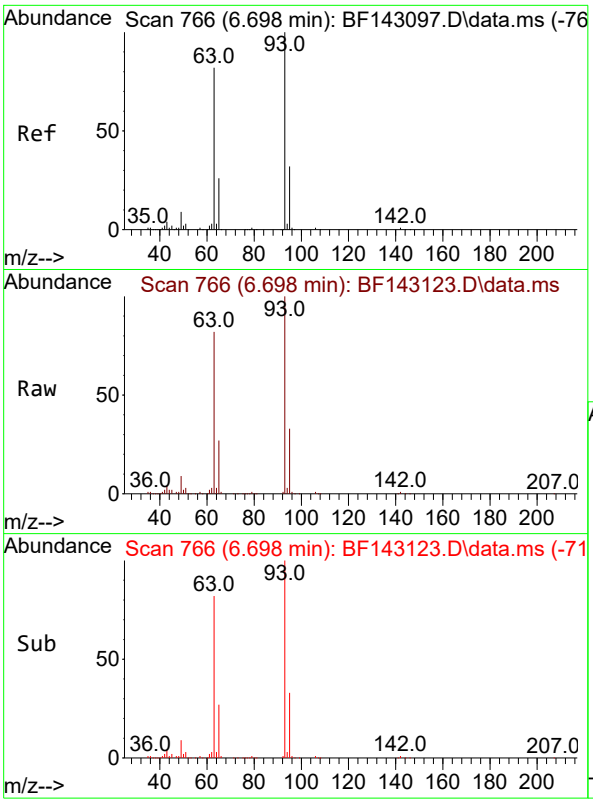



#10
Phenol
Concen: 35.516 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion: 94 Resp: 474280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.9 | 9.8 | 49.8 |
| 66 | 40.7 | 20.5 | 60.5 |






#11
bis(2-Chloroethyl)ether
Concen: 38.865 ng
RT: 6.698 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion: 93 Resp: 40178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 81.9 | 61.9 | 101.9 |
| 95 | 32.6 | 12.2 | 52.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MSD

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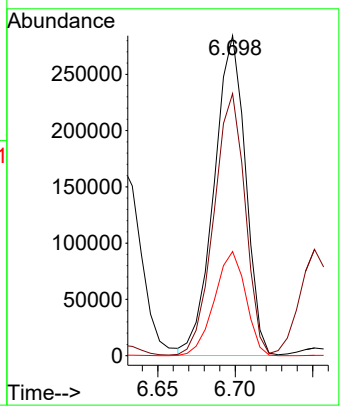
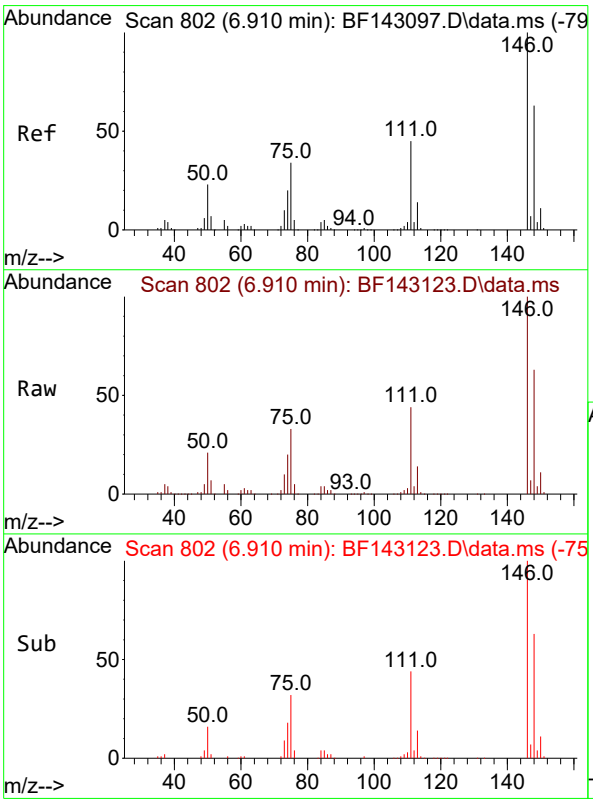
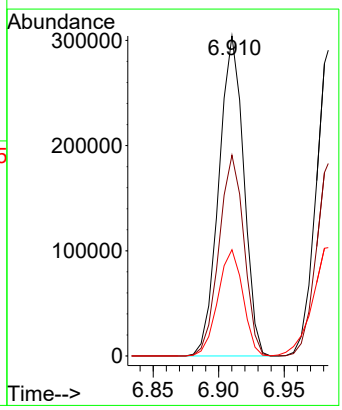


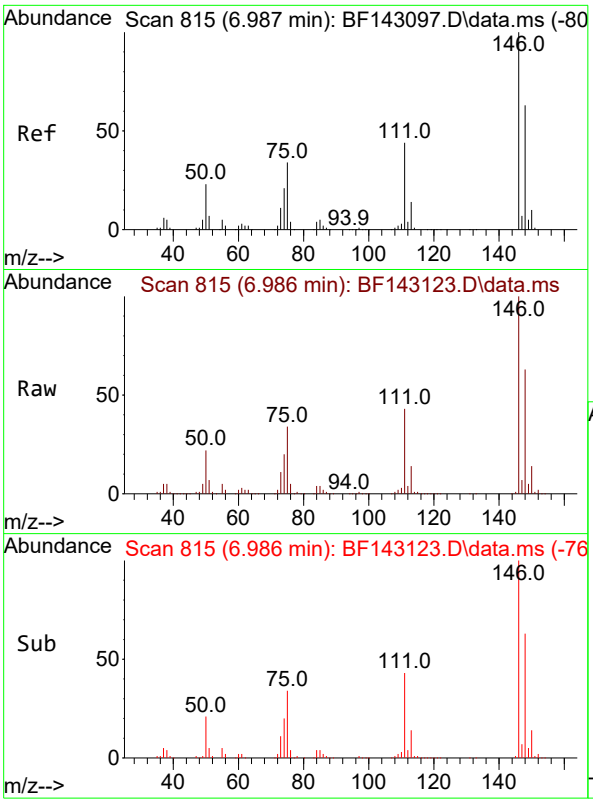




#12
1,3-Dichlorobenzene
Concen: 36.039 ng
RT: 6.910 min Scan# 802
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:146 Resp: 401439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.7 | 50.1 | 75.1 |
| 75 | 33.2 | 27.4 | 41.0 |

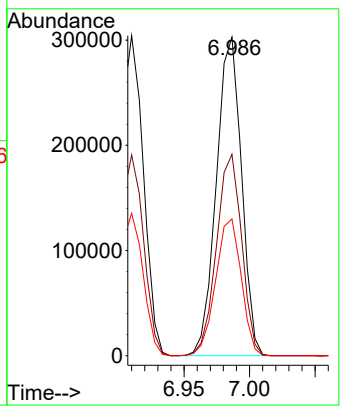





#13
1,4-Dichlorobenzene
Concen: 36.025 ng
RT: 6.986 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:146 Resp: 40371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.2 | 50.6 | 76.0 |
| 111 | 43.0 | 35.0 | 52.6 |




**Instrument :**
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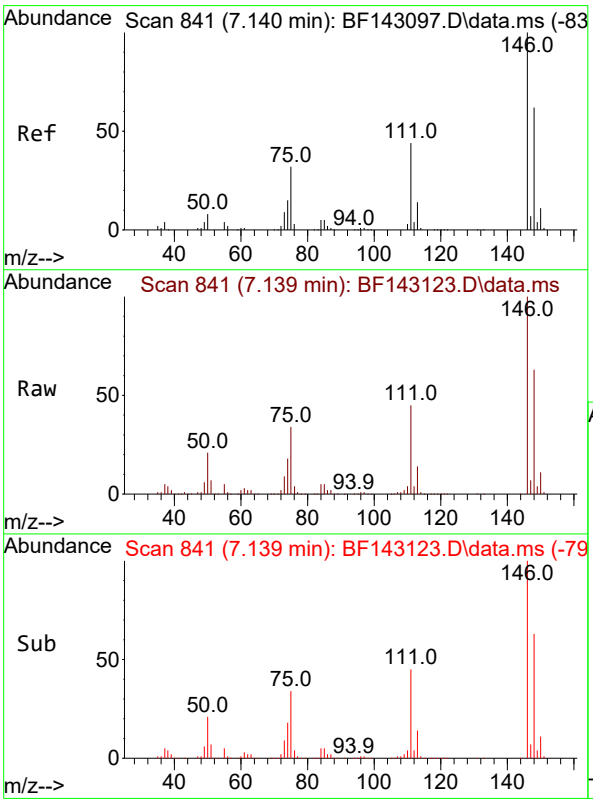
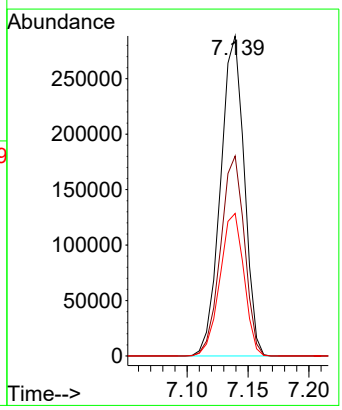
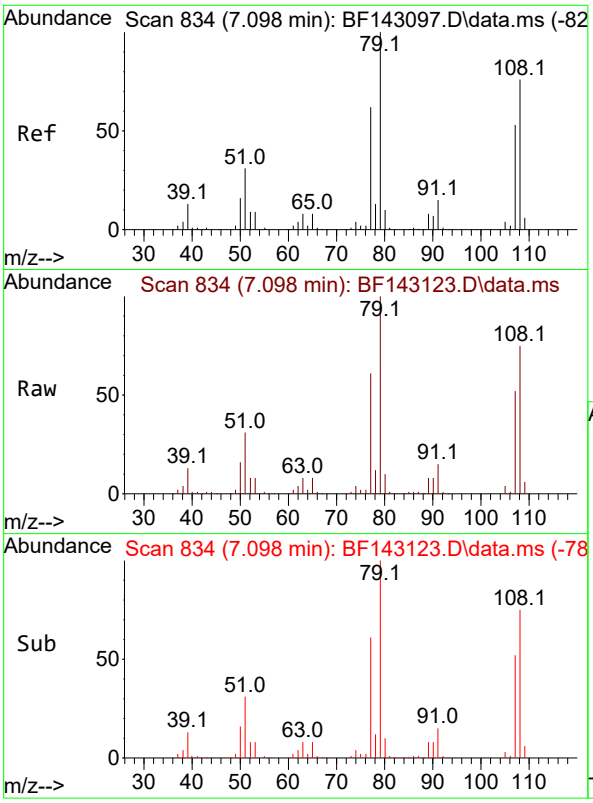



#14
1,2-Dichlorobenzene
Concen: 36.527 ng
RT: 7.139 min Scan# 841
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:146 Resp: 390356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.5 | 49.8 | 74.6 |
| 111 | 44.5 | 35.4 | 53.0 |

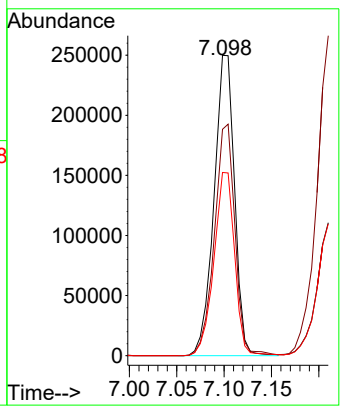





#15
Benzyl Alcohol
Concen: 41.339 ng
RT: 7.098 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion: 79 Resp: 37784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 75.4 | 61.1 | 91.7 |
| 77 | 61.0 | 49.9 | 74.9 |




**Instrument :**
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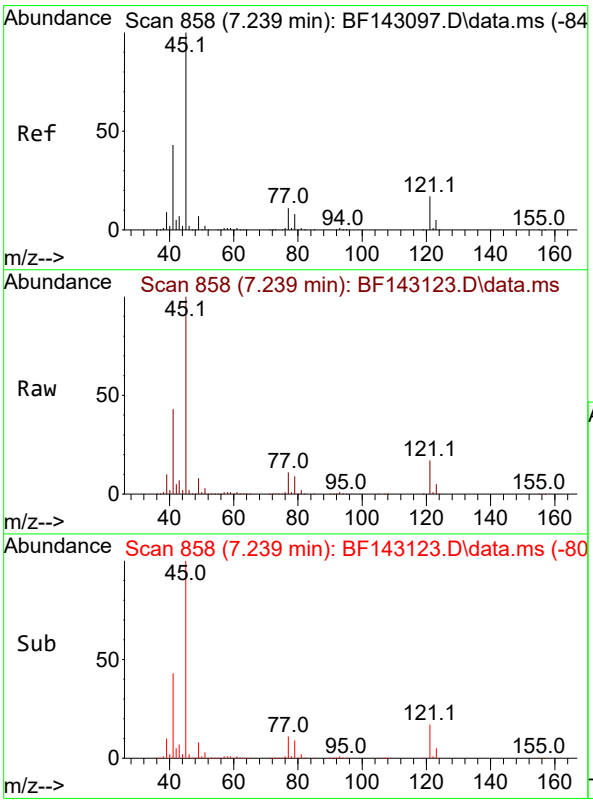
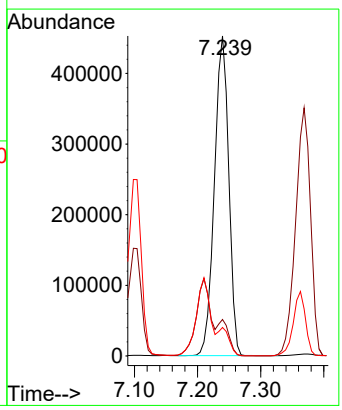
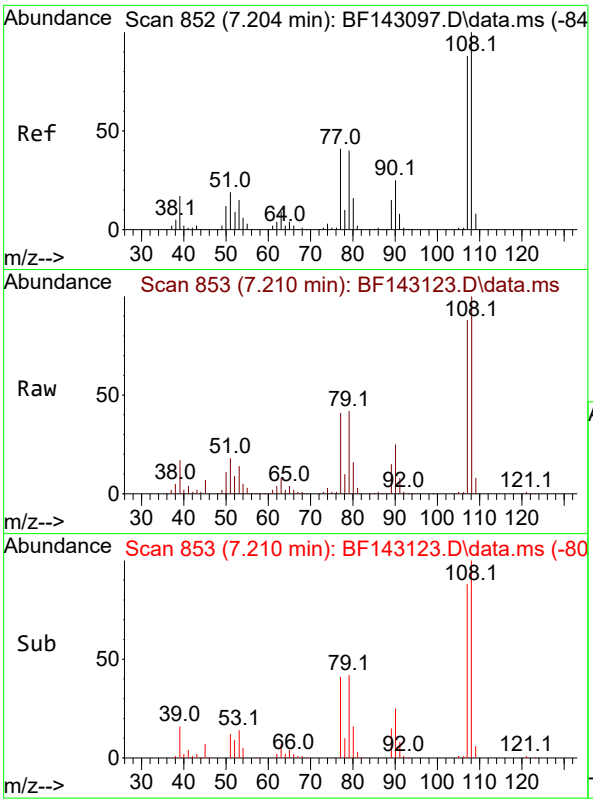



#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.375 ng
RT: 7.239 min Scan# 858
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion: 45 Resp: 712236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 11.4 | 0.0 | 31.1 |
| 79 | 8.9 | 0.0 | 28.4 |

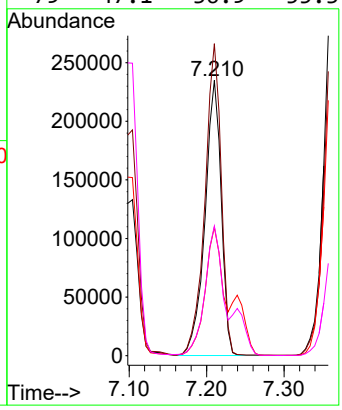





#17
2-Methylphenol
Concen: 40.174 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:107 Resp: 34182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.3 | 90.9 | 136.3 |
| 77 | 46.7 | 37.5 | 56.3 |
| 79 | 47.1 | 36.9 | 55.3 |




**Instrument :**
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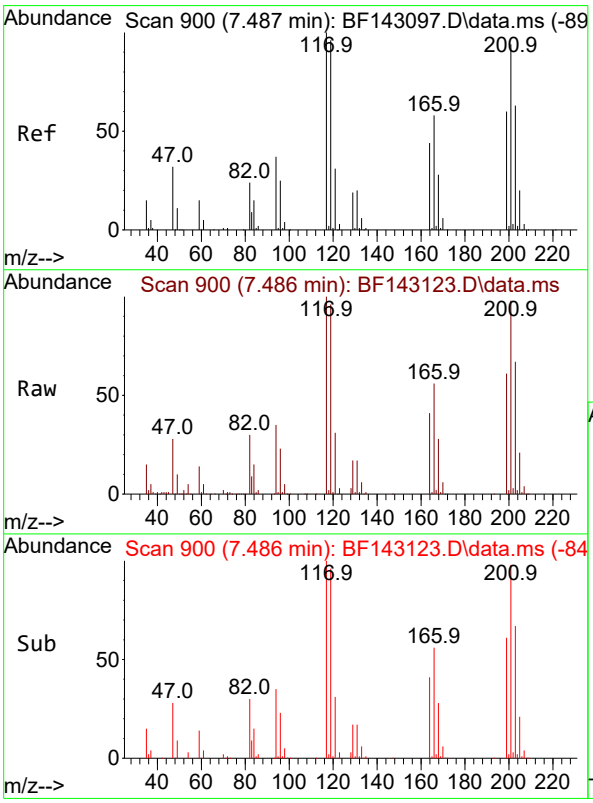
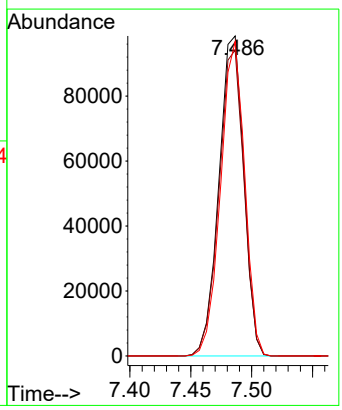
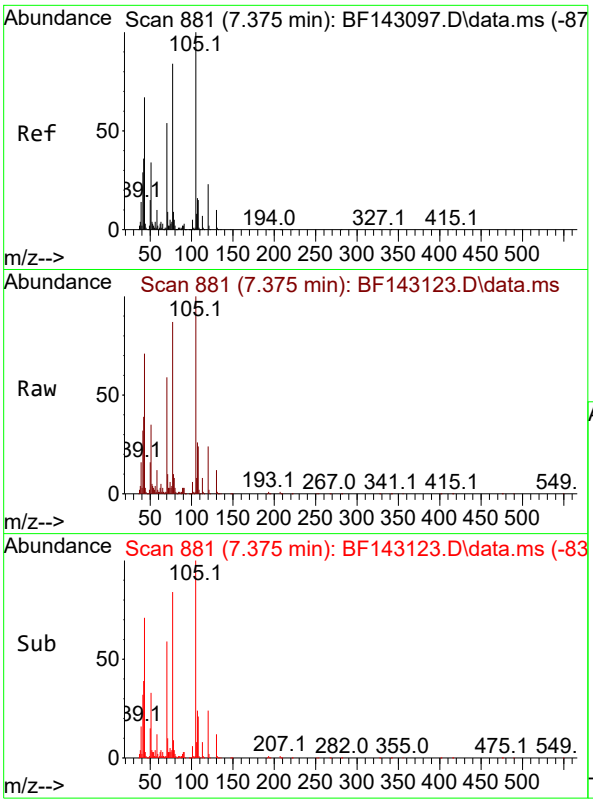



#18
Hexachloroethane
Concen: 38.414 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:117 Resp: 140139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.6 | 76.7 | 115.1 |
| 201 | 98.3 | 75.0 | 112.4 |

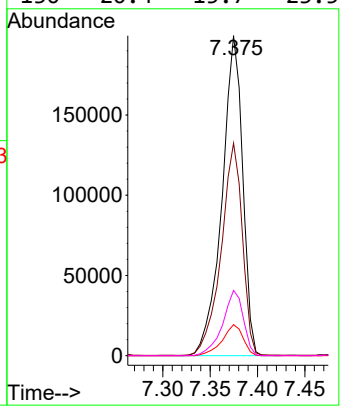





#19
n-Nitroso-di-n-propylamine
Concen: 40.159 ng
RT: 7.375 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion: 70 Resp: 30349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 66.4 | 53.2 | 79.8 |
| 101 | 9.7 | 7.5 | 11.3 |
| 130 | 20.4 | 15.7 | 23.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
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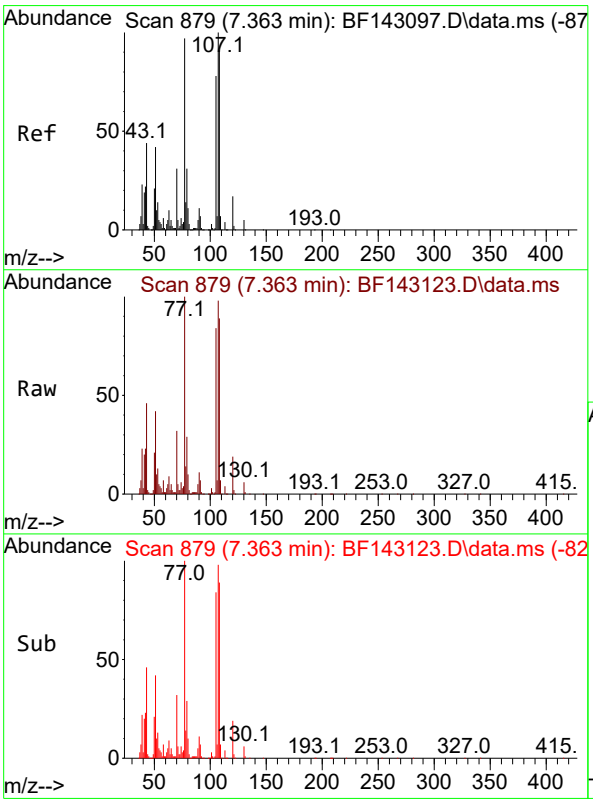
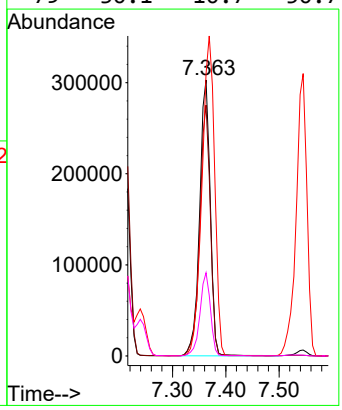
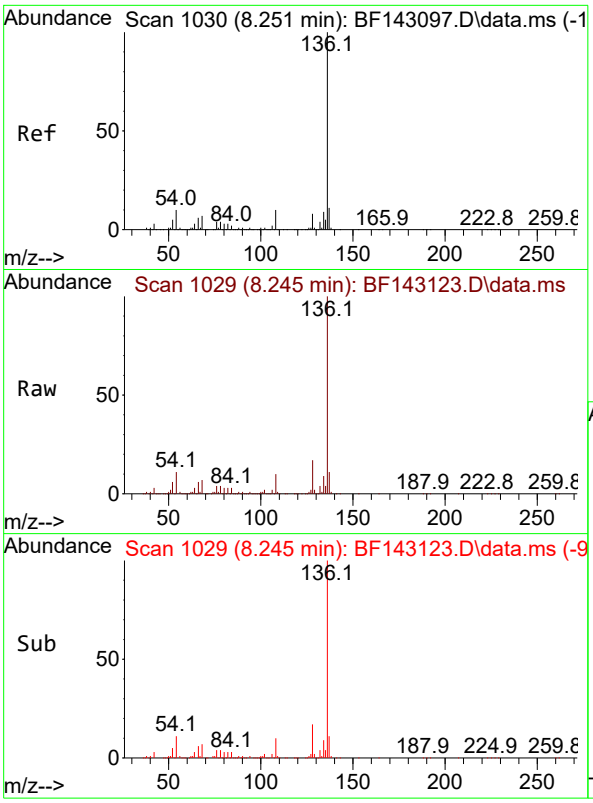



#20
3+4-Methylphenols
Concen: 40.262 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:107 Resp: 420120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.9 | 71.3 | 111.3 |
| 77 | 102.2 | 77.2 | 117.2 |
| 79 | 30.1 | 10.7 | 50.7 |

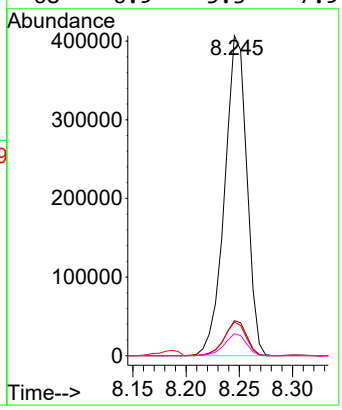





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:136 Resp: 58962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.9 | 13.3 |
| 54 | 10.5 | 8.3 | 12.5 |
| 68 | 6.9 | 5.3 | 7.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
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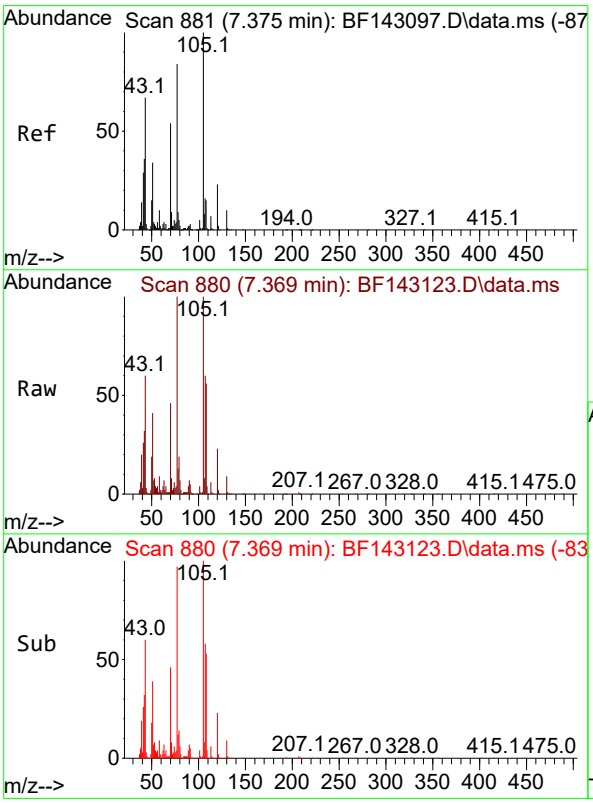
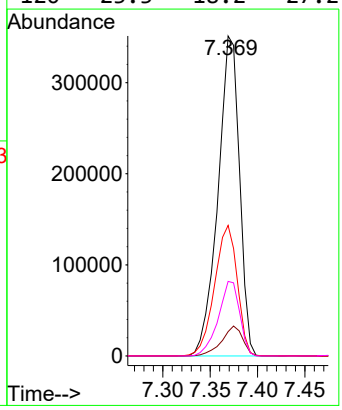
Supervised By :Jagrut Upadhyay 07/17/2025

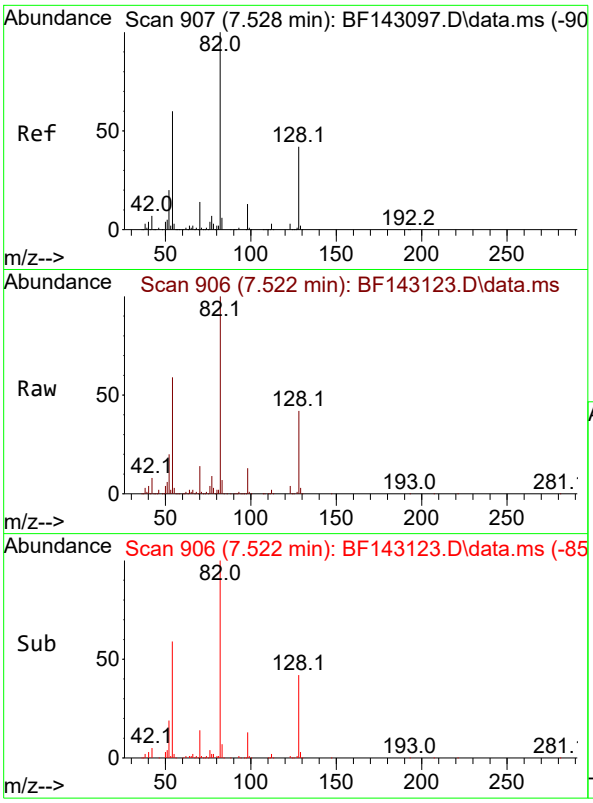



#22
Acetophenone
Concen: 39.074 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.006 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:105 Resp: 555372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.6 | 7.2 | 10.8 |
| 51 | 40.8 | 27.0 | 40.4# |
| 120 | 23.3 | 18.2 | 27.2 |






#23
Nitrobenzene-d5
Concen: 82.622 ng
RT: 7.522 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion: 82 Resp: 86840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.6 | 33.3 | 49.9 |
| 54 | 59.1 | 47.4 | 71.2 |

**Instrument :**
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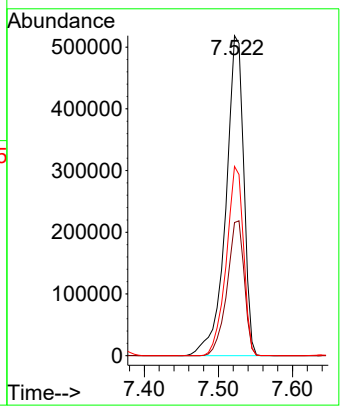
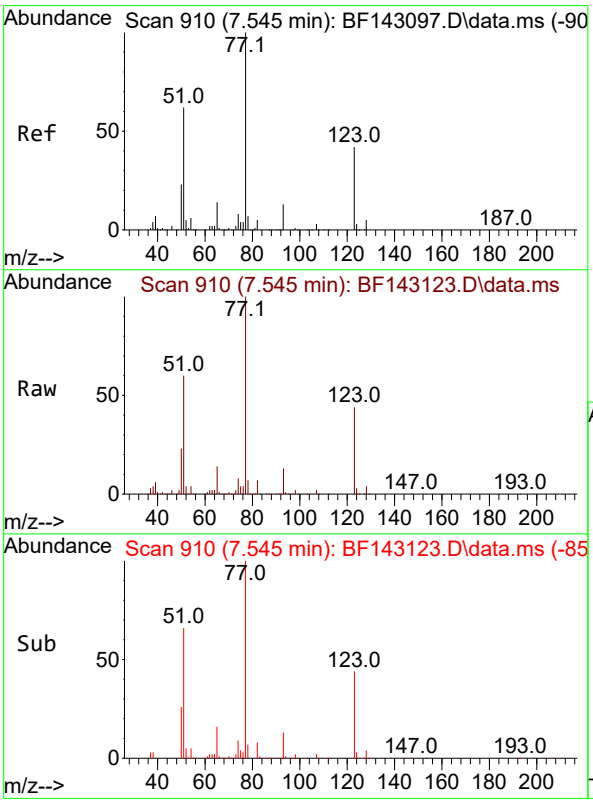
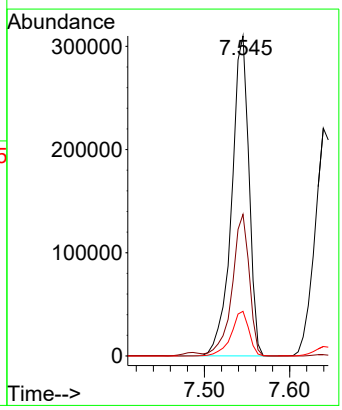


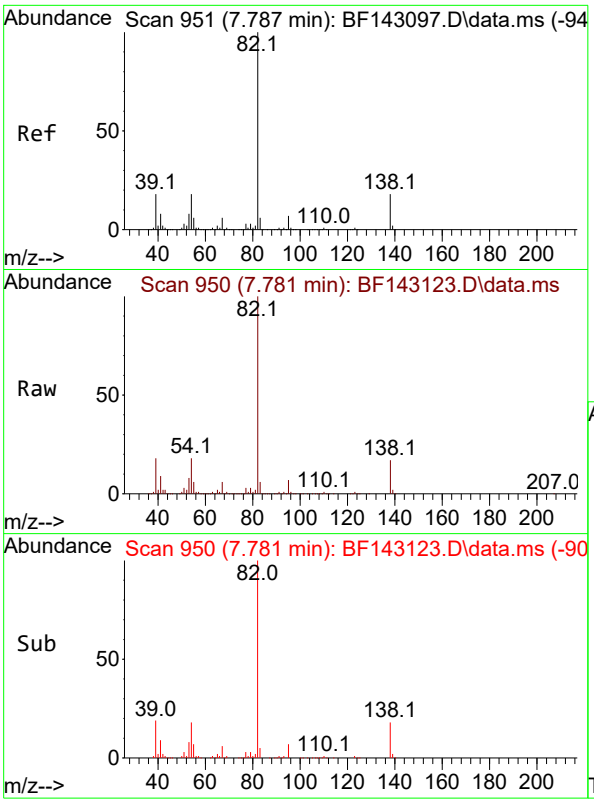




#24
Nitrobenzene
Concen: 43.043 ng
RT: 7.545 min Scan# 910
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion: 77 Resp: 436738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 44.3 | 34.5 | 51.7 |
| 65 | 13.9 | 11.3 | 16.9 |

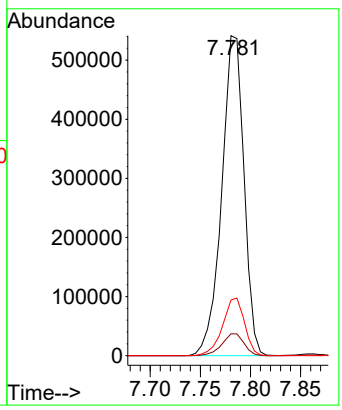





#25
Isophorone
Concen: 41.156 ng
RT: 7.781 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion: 82 Resp: 83611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.8 | 5.6 | 8.4 |
| 138 | 17.4 | 14.3 | 21.5 |

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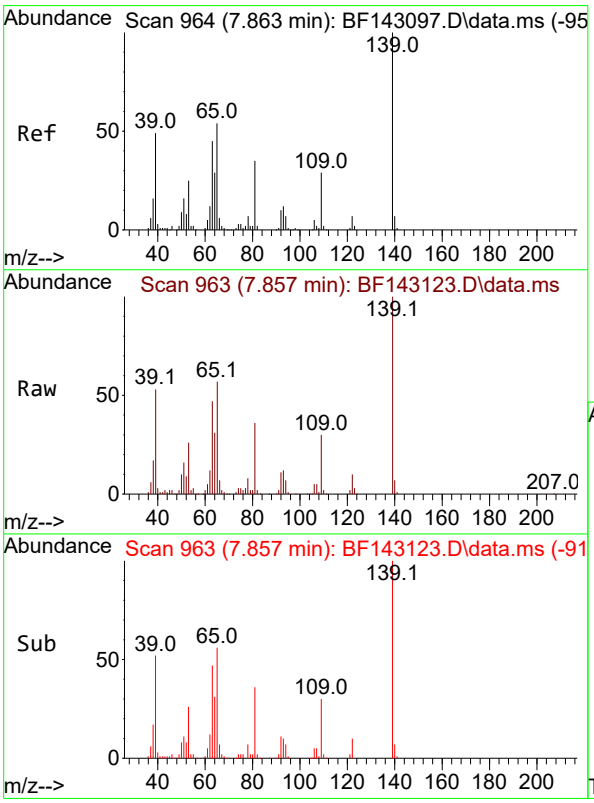
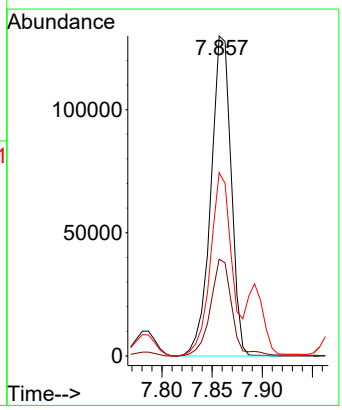
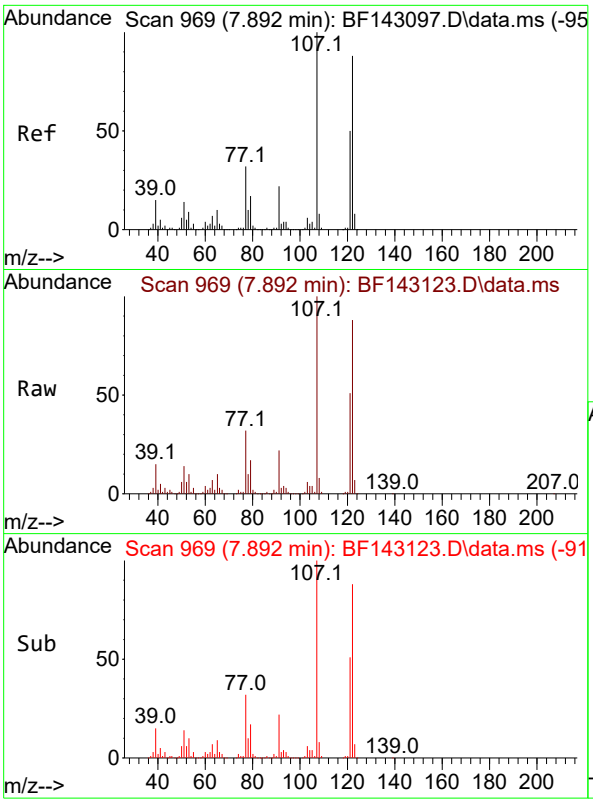



#26
2-Nitrophenol
Concen: 45.388 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.006 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:139 Resp: 183091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 30.2 | 23.4 | 35.0 |
| 65 | 57.3 | 43.4 | 65.2 |






#27
2,4-Dimethylphenol
Concen: 41.746 ng
RT: 7.892 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:122 Resp: 39362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 113.8 | 91.3 | 136.9 |
| 121 | 58.2 | 45.5 | 68.3 |

**Instrument :**
BNA_F
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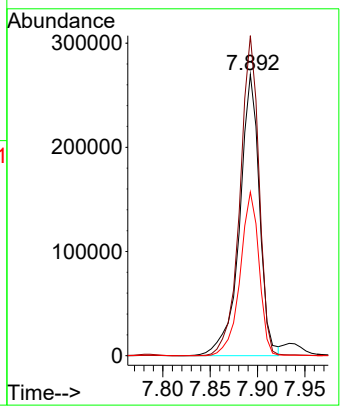
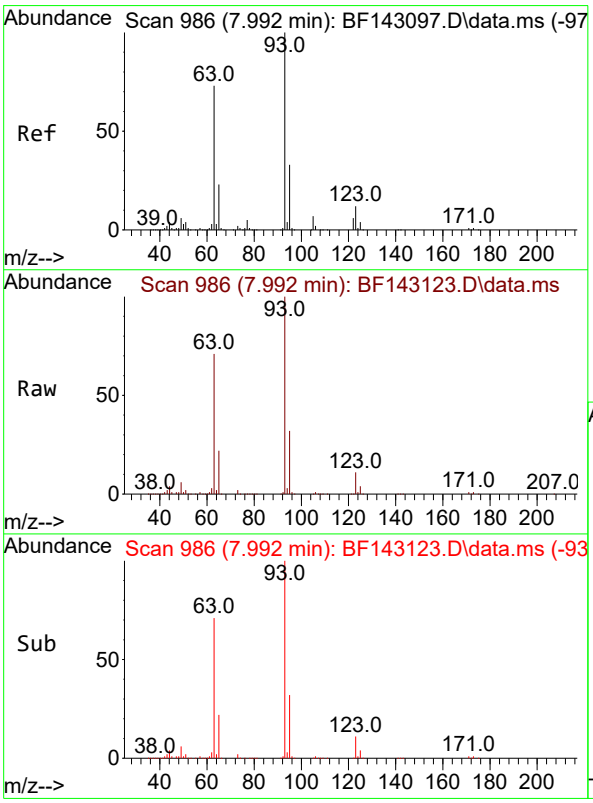
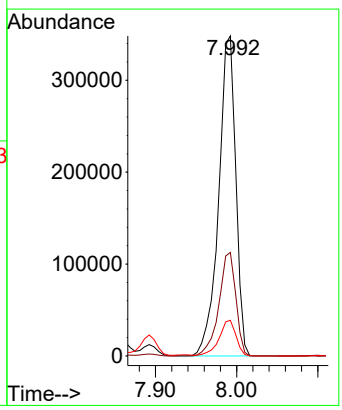


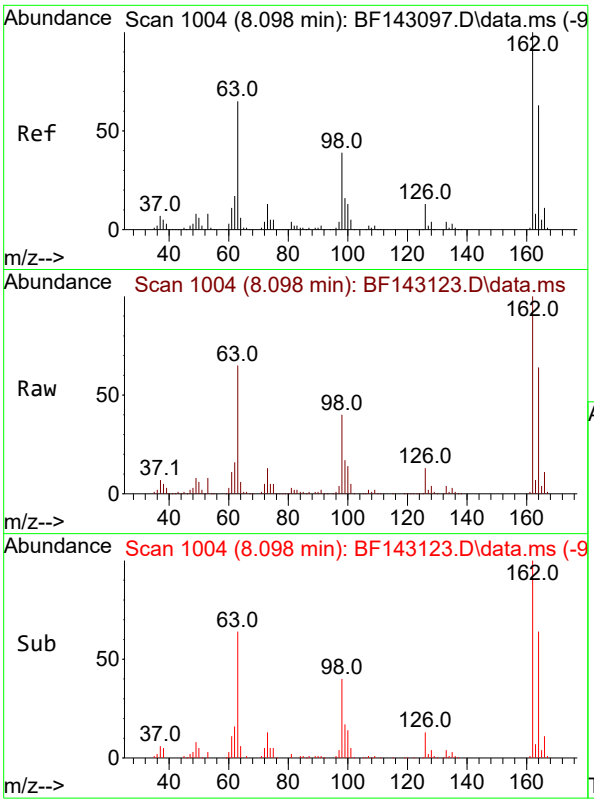




#28
bis(2-Chloroethoxy)methane
Concen: 41.502 ng
RT: 7.992 min Scan# 986
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion: 93 Resp: 511274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.3 | 26.2 | 39.4 |
| 123 | 11.2 | 9.6 | 14.4 |

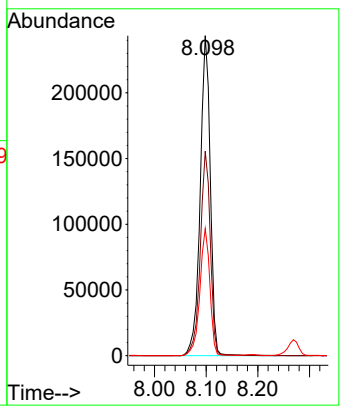





#29
2,4-Dichlorophenol
Concen: 42.946 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:162 Resp: 33128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.9 | 43.1 | 83.1 |
| 98 | 39.7 | 19.2 | 59.2 |




**Instrument :**
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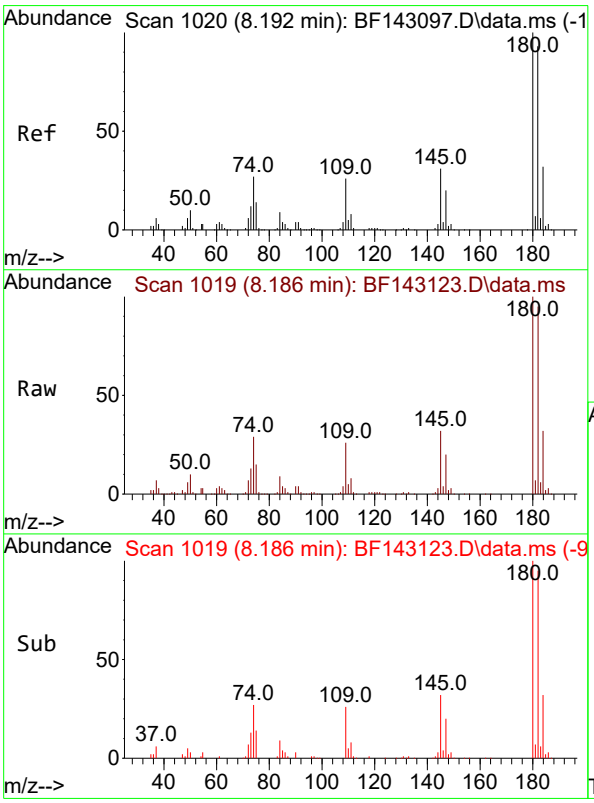
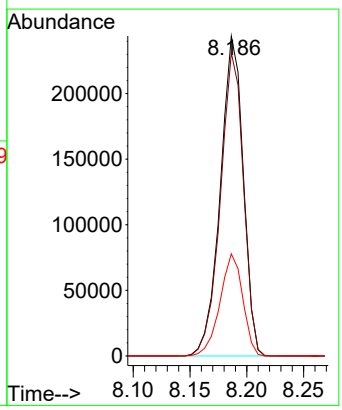
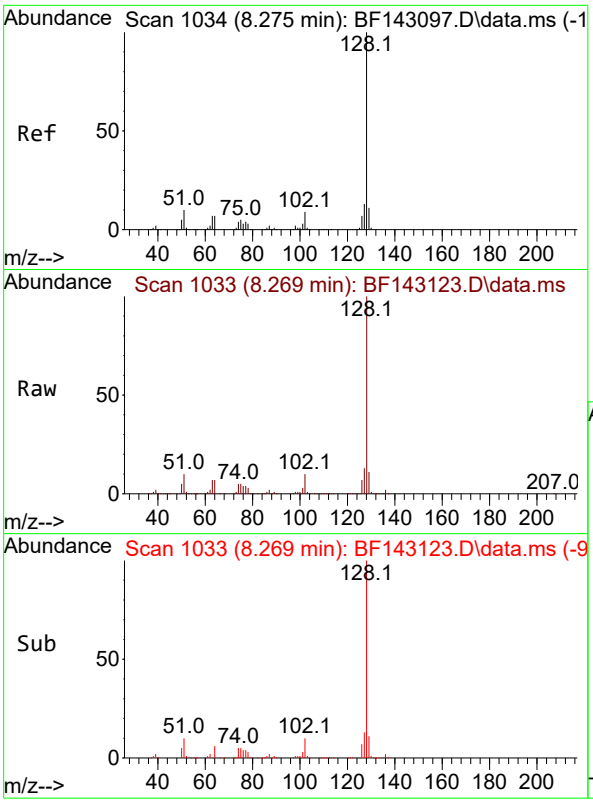



#30
1,2,4-Trichlorobenzene
Concen: 39.150 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:180 Resp: 342733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.7 | 74.7 | 112.1 |
| 145 | 31.9 | 24.5 | 36.7 |

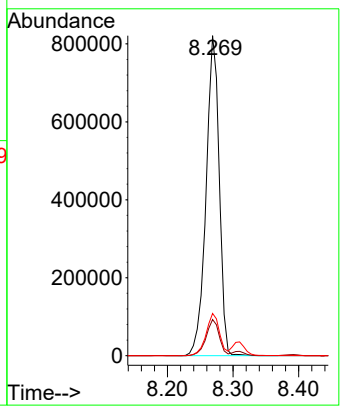





#31
Naphthalene
Concen: 39.217 ng
RT: 8.269 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:128 Resp: 114825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 9.0 | 13.4 |
| 127 | 13.2 | 10.5 | 15.7 |

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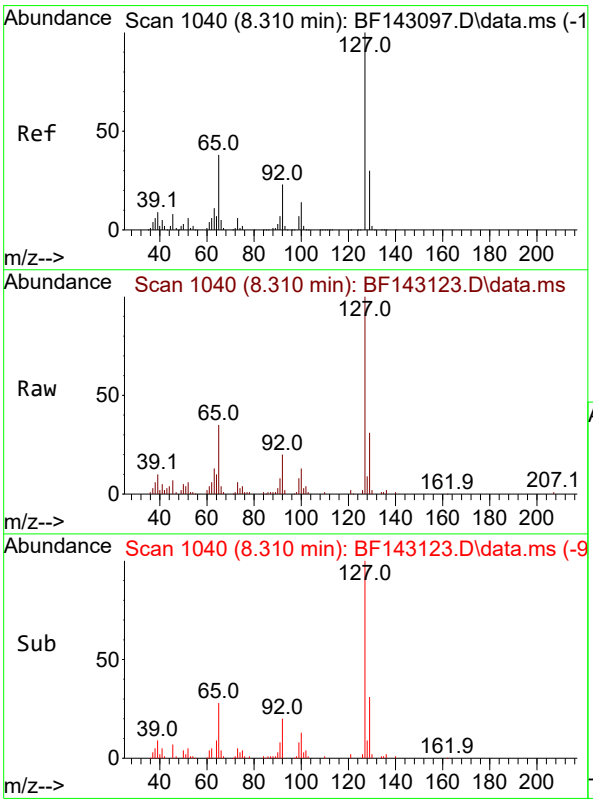
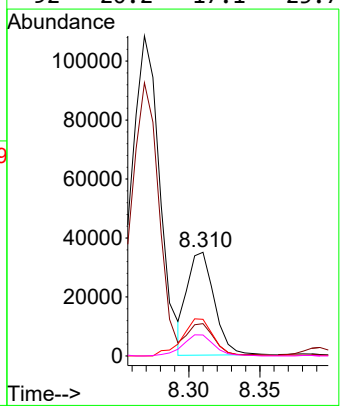
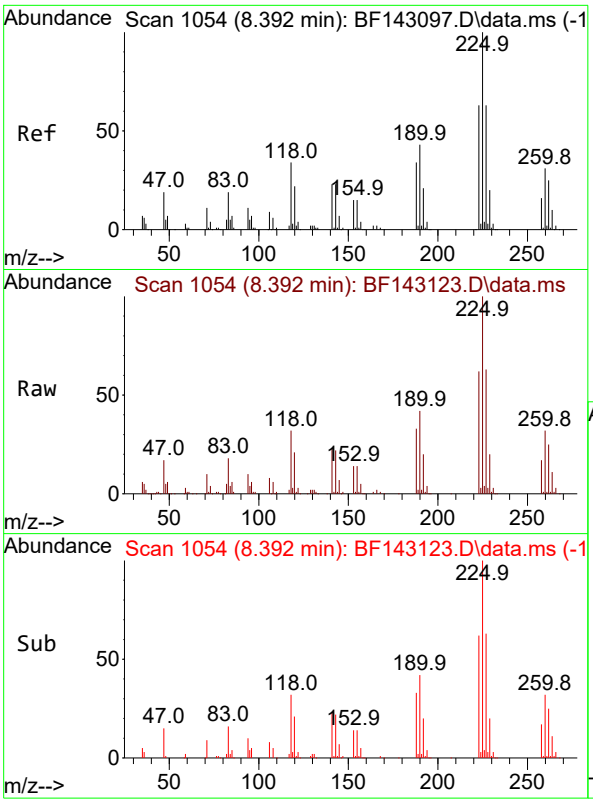



#33
4-Chloroaniline
Concen: 3.904 ng
RT: 8.310 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:127 Resp: 45970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.2 | 26.2 | 39.4 |
| 65 | 35.4 | 28.6 | 42.8 |
| 92 | 20.2 | 17.1 | 25.7 |

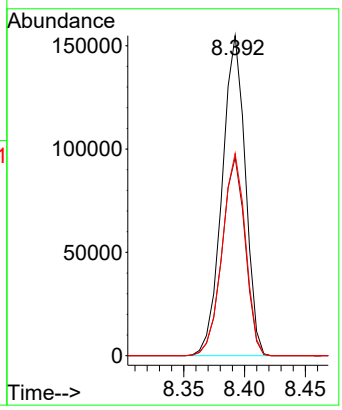





#34
Hexachlorobutadiene
Concen: 39.259 ng
RT: 8.392 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:225 Resp: 20554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.9 | 50.3 | 75.5 |
| 227 | 63.2 | 50.1 | 75.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
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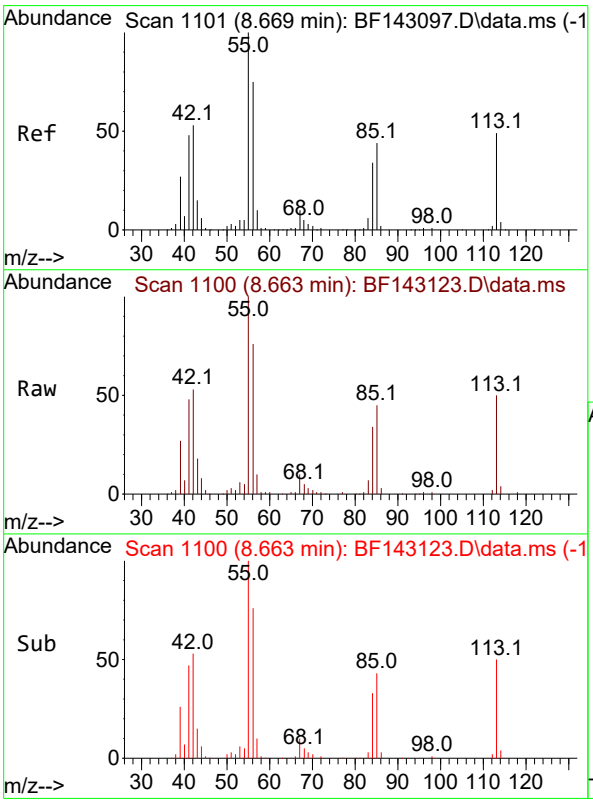
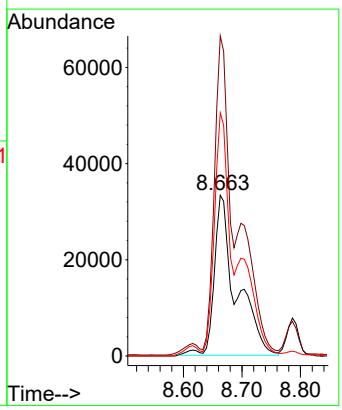
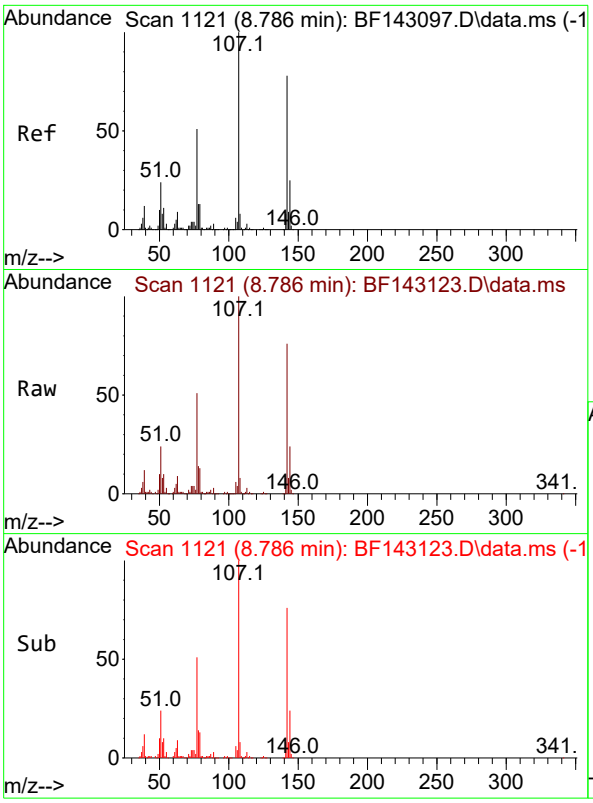



#35
Caprolactam
Concen: 36.057 ng m
RT: 8.663 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:113 Resp: 86853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 199.1 | 186.2 | 226.2 |
| 56 | 151.3 | 134.1 | 174.1 |

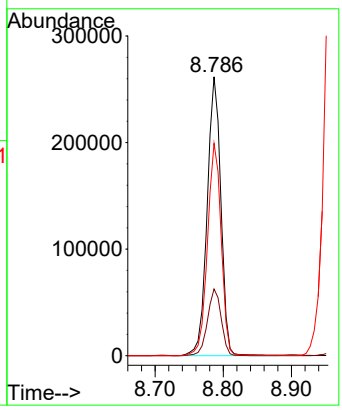





#36
4-Chloro-3-methylphenol
Concen: 42.700 ng
RT: 8.786 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:107 Resp: 366909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 23.9 | 20.2 | 30.2 |
| 142 | 76.2 | 62.4 | 93.6 |

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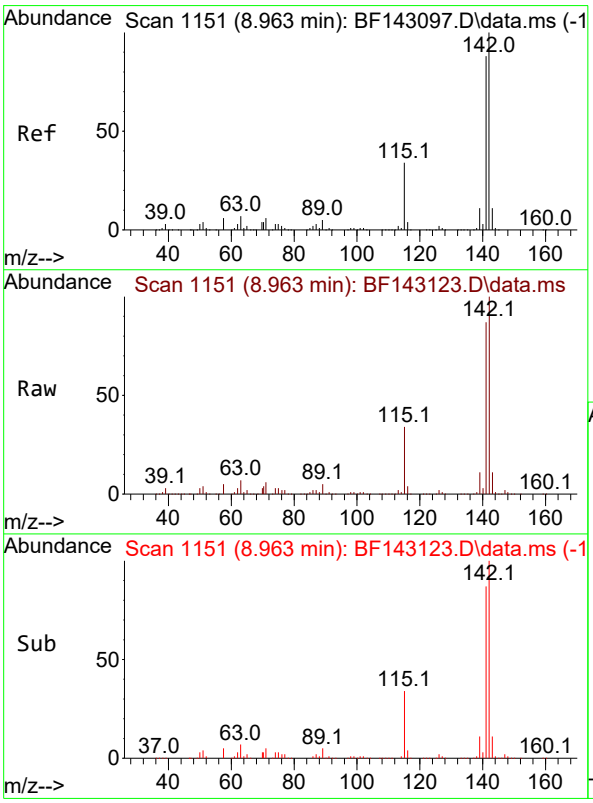
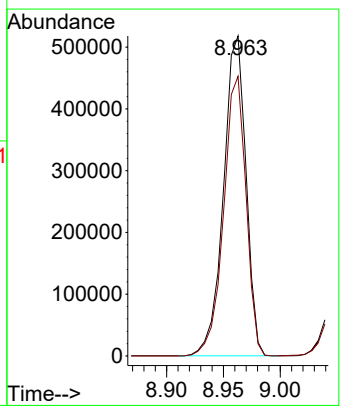
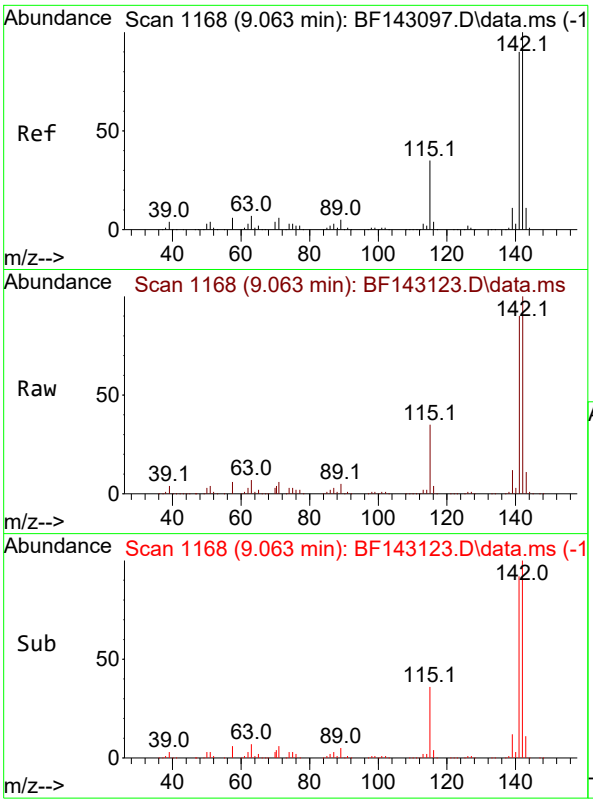



#37
2-Methylnaphthalene
Concen: 40.837 ng
RT: 8.963 min Scan# 1151
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:142 Resp: 713317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.4 | 70.2 | 105.2 |

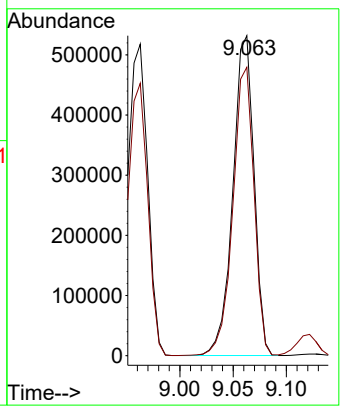





#38
1-Methylnaphthalene
Concen: 40.624 ng
RT: 9.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:142 Resp: 73596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.2 | 72.2 | 108.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MSD

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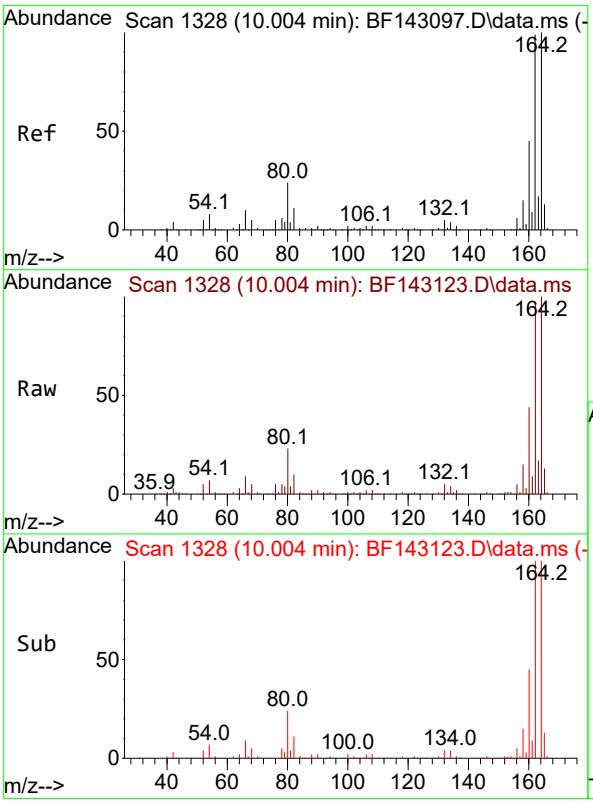
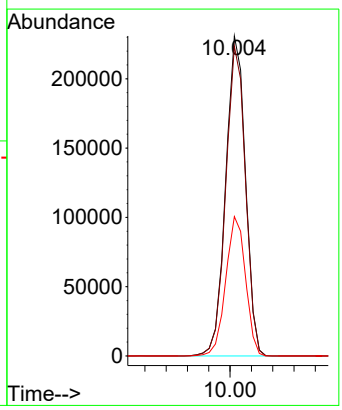
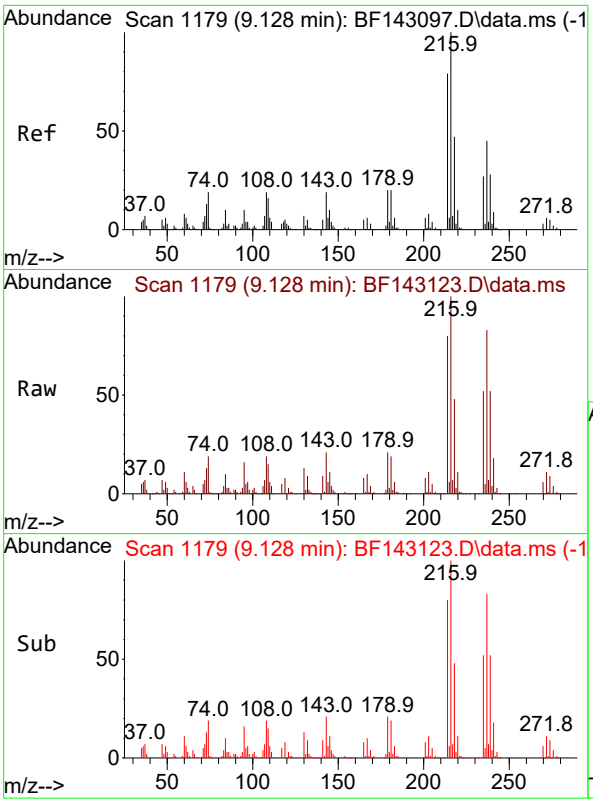



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:164 Resp: 296871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 96.8 | 79.0 | 118.6 |
| 160 | 43.5 | 35.8 | 53.6 |

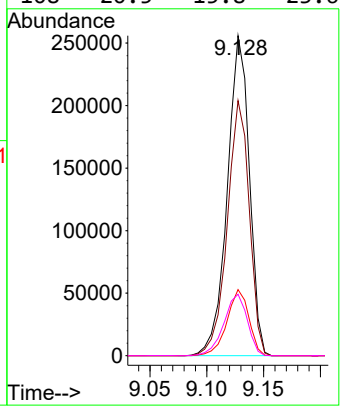





#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.964 ng
RT: 9.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:216 Resp: 34575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.3 | 62.6 | 94.0 |
| 179 | 20.5 | 16.2 | 24.2 |
| 108 | 20.5 | 15.8 | 23.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
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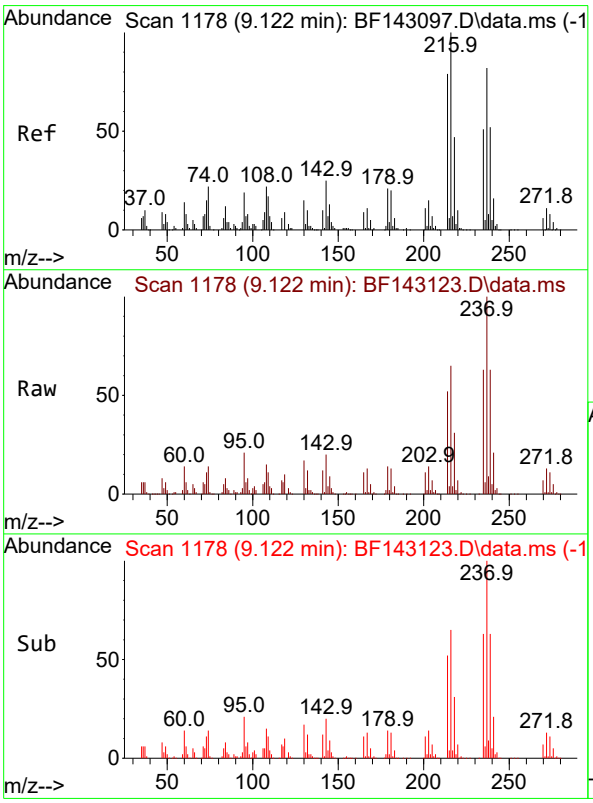
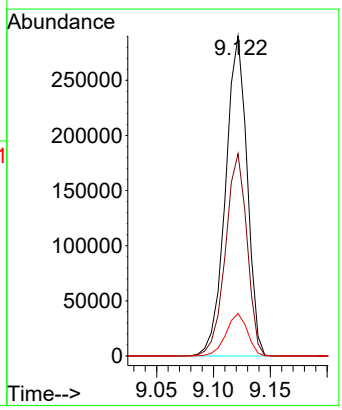
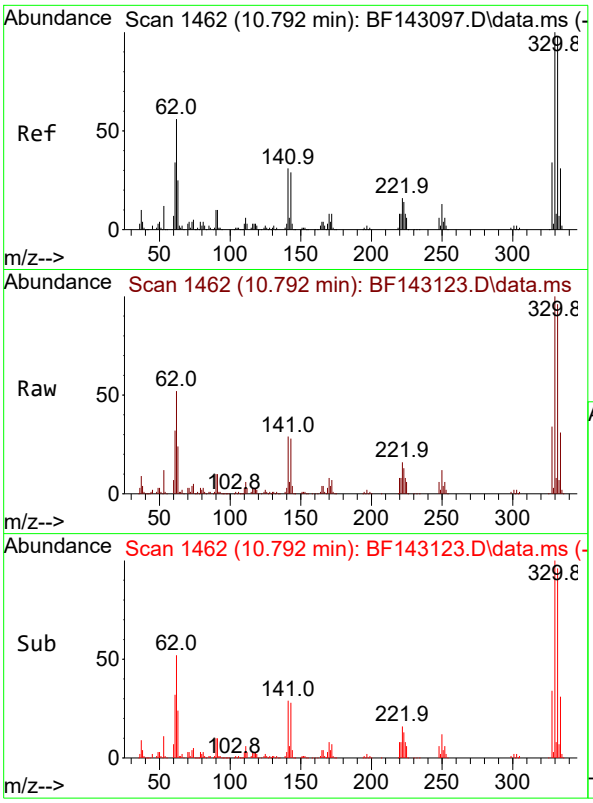



#41
Hexachlorocyclopentadiene
Concen: 79.887 ng
RT: 9.122 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:237 Resp: 383185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.2 | 41.6 | 81.6 |
| 272 | 13.3 | 0.0 | 32.9 |

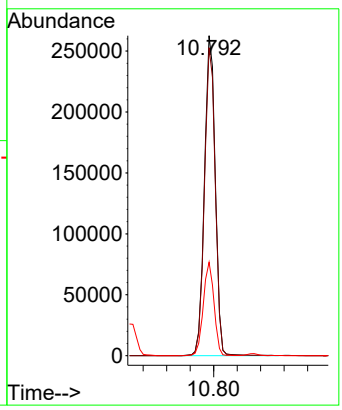





#42
2,4,6-Tribromophenol
Concen: 126.918 ng
RT: 10.792 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:330 Resp: 33595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.3 | 77.9 | 116.9 |
| 141 | 29.0 | 25.9 | 38.9 |

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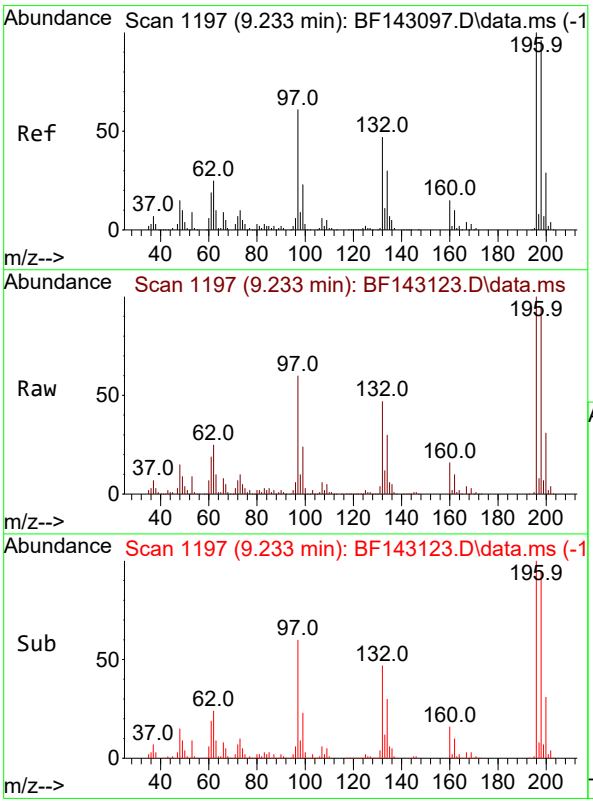
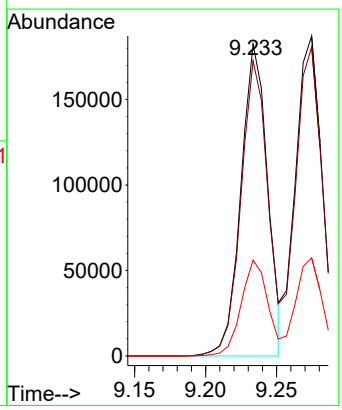
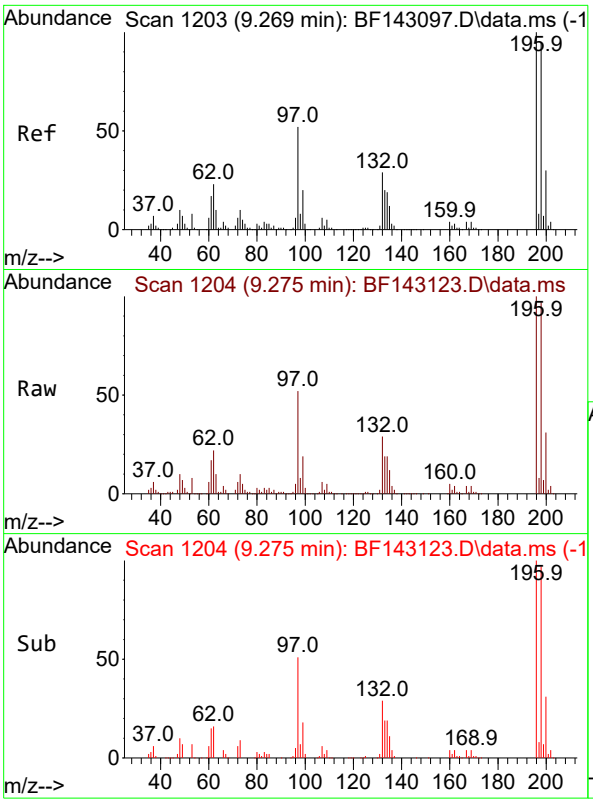



#43
2,4,6-Trichlorophenol
Concen: 44.192 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:196 Resp: 237559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.6 | 76.9 | 115.3 |
| 200 | 30.7 | 23.5 | 35.3 |

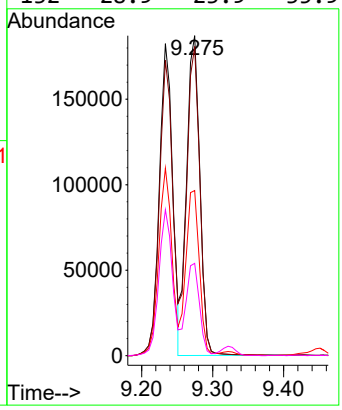





#44
2,4,5-Trichlorophenol
Concen: 43.128 ng
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:196 Resp: 24309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.6 | 76.4 | 114.6 |
| 97 | 51.6 | 42.4 | 63.6 |
| 132 | 28.9 | 23.9 | 35.9 |




**Instrument :**
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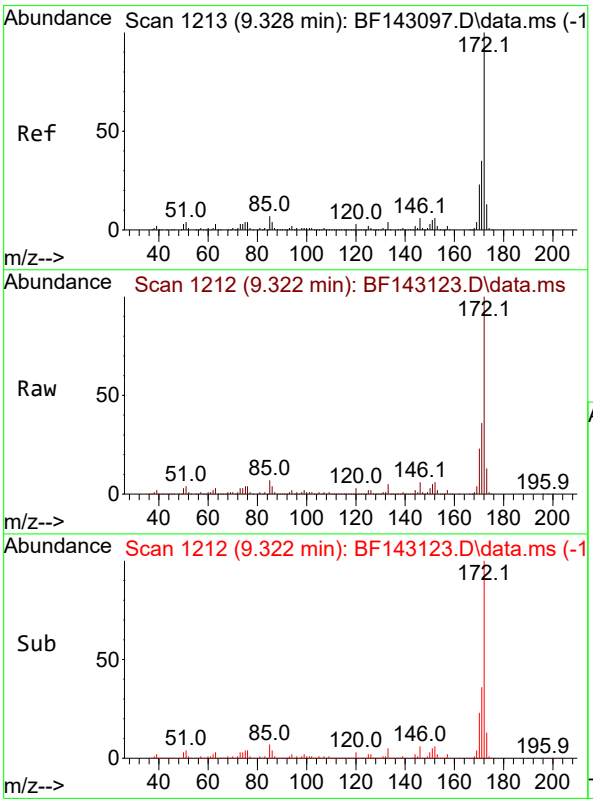
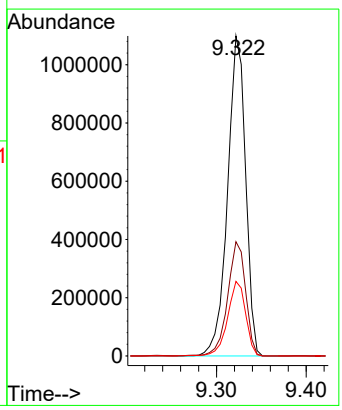
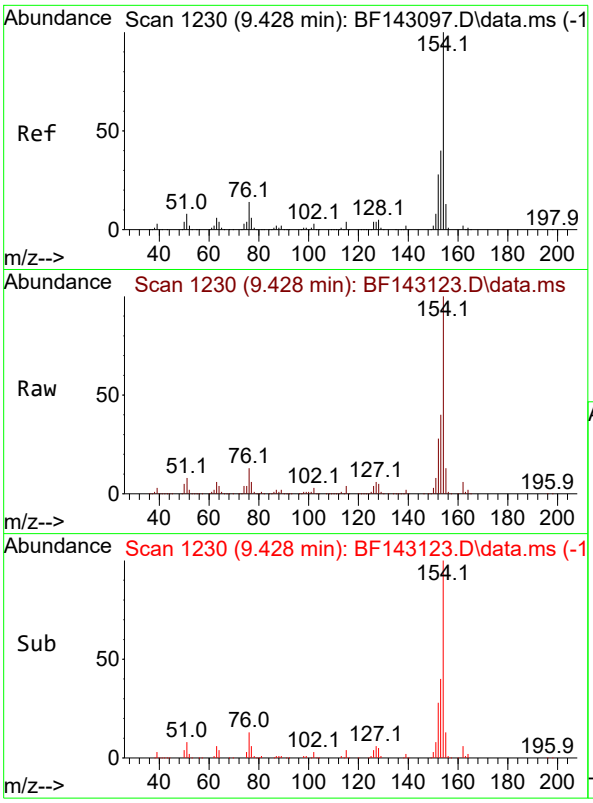



#45
2-Fluorobiphenyl
Concen: 68.578 ng
RT: 9.322 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:172 Resp: 1531577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.7 | 28.2 | 42.4 |
| 170 | 23.3 | 18.6 | 28.0 |

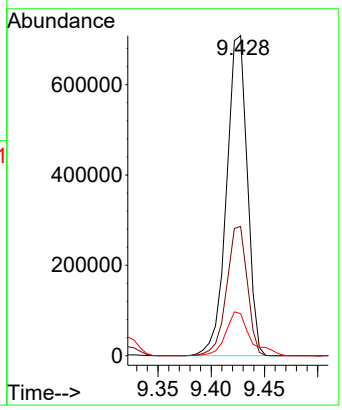





#46
1,1'-Biphenyl
Concen: 40.430 ng
RT: 9.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:154 Resp: 95716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.4 | 20.1 | 60.1 |
| 76 | 13.1 | 0.0 | 33.7 |

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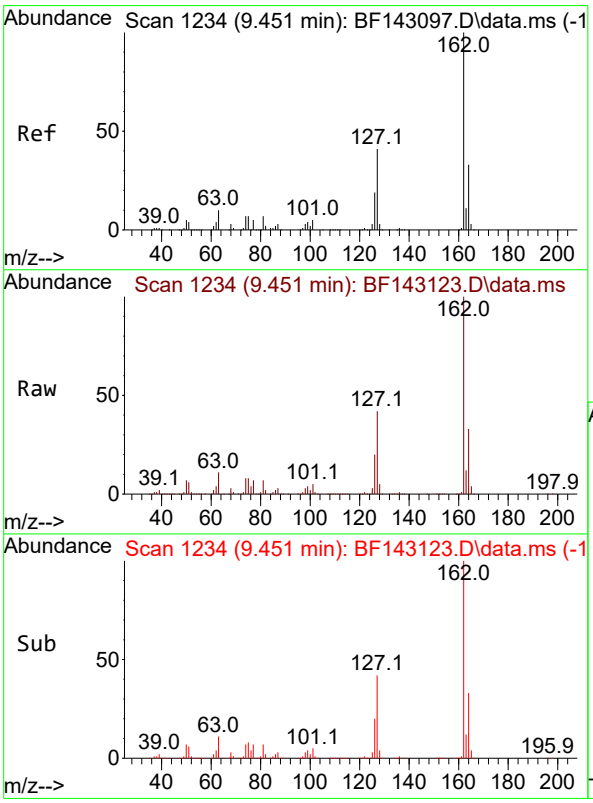
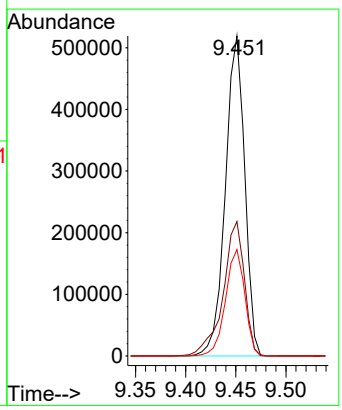
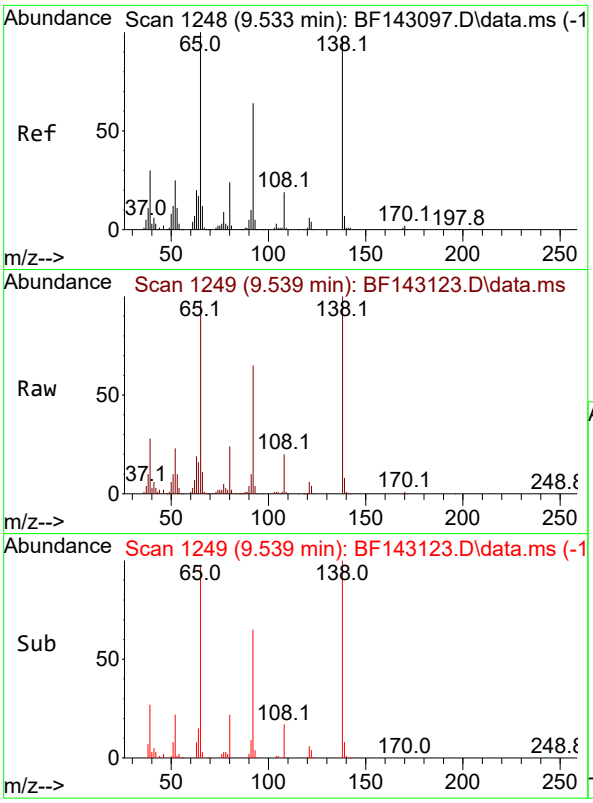



#47
2-Chloronaphthalene
Concen: 39.937 ng
RT: 9.451 min Scan# 1234
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:162 Resp: 694587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.0 | 33.0 | 49.6 |
| 164 | 33.3 | 26.1 | 39.1 |






#48
2-Nitroaniline
Concen: 44.159 ng
RT: 9.539 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion: 65 Resp: 22789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 66.1 | 51.3 | 76.9 |
| 138 | 102.3 | 77.8 | 116.6 |

**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MSD

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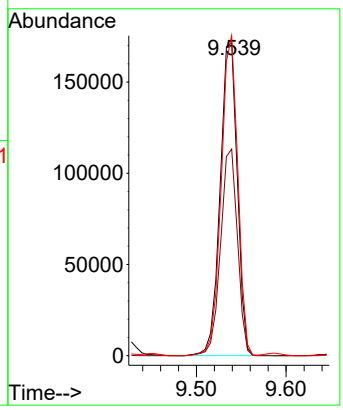
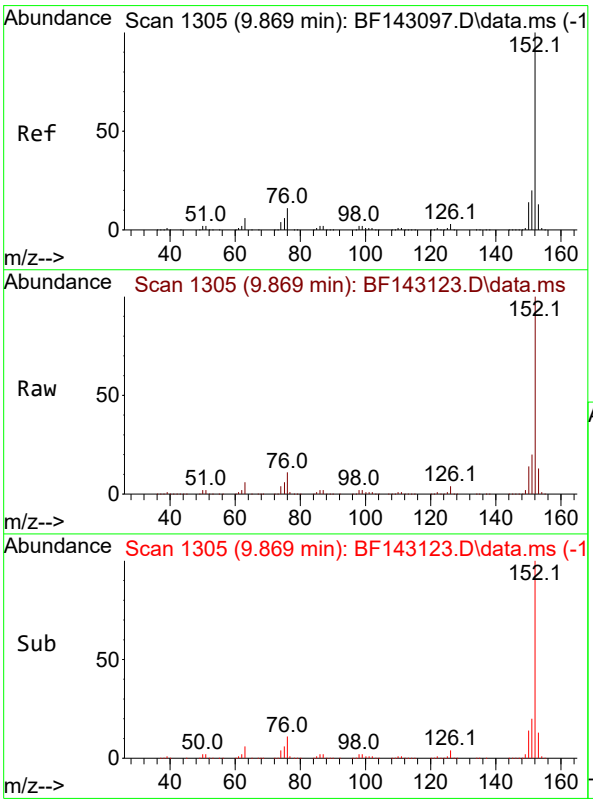
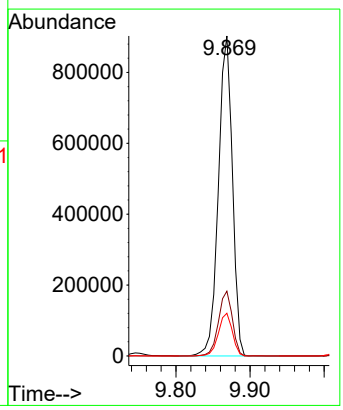


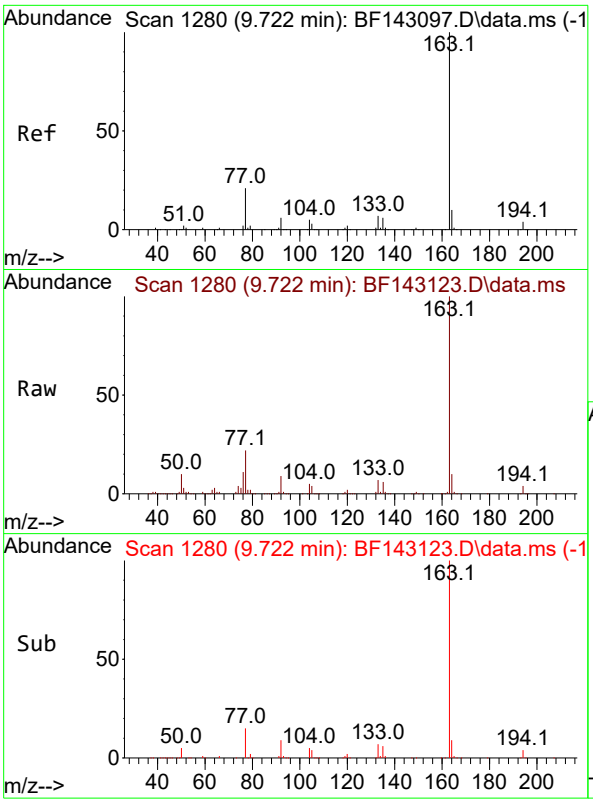




#49
Acenaphthylene
Concen: 40.849 ng
RT: 9.869 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:152 Resp: 1183859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.2 | 15.8 | 23.8 |
| 153 | 13.4 | 10.4 | 15.6 |

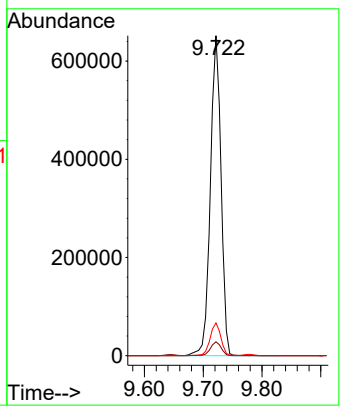





#50
Dimethylphthalate
Concen: 44.031 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:163 Resp: 82234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.4 | 3.4 | 5.2 |
| 164 | 10.2 | 8.2 | 12.2 |




**Instrument :**
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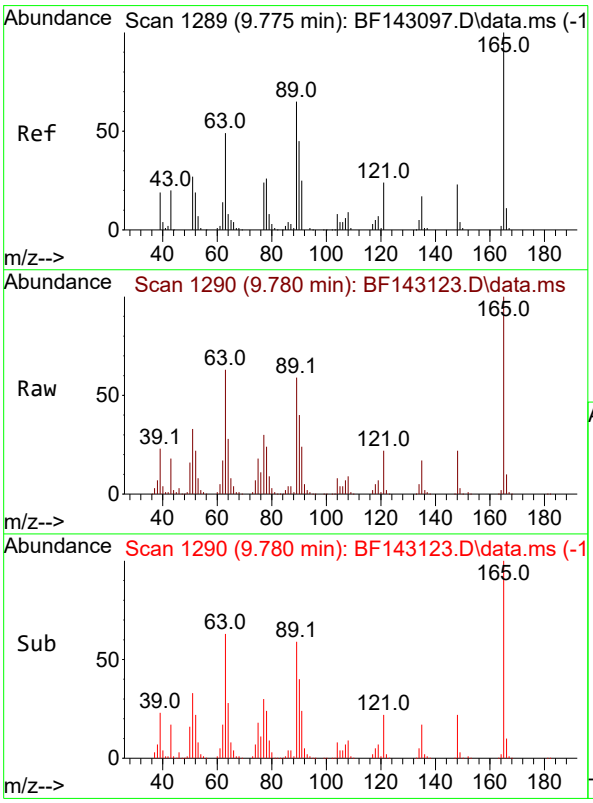
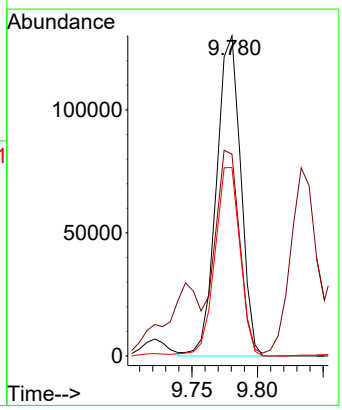
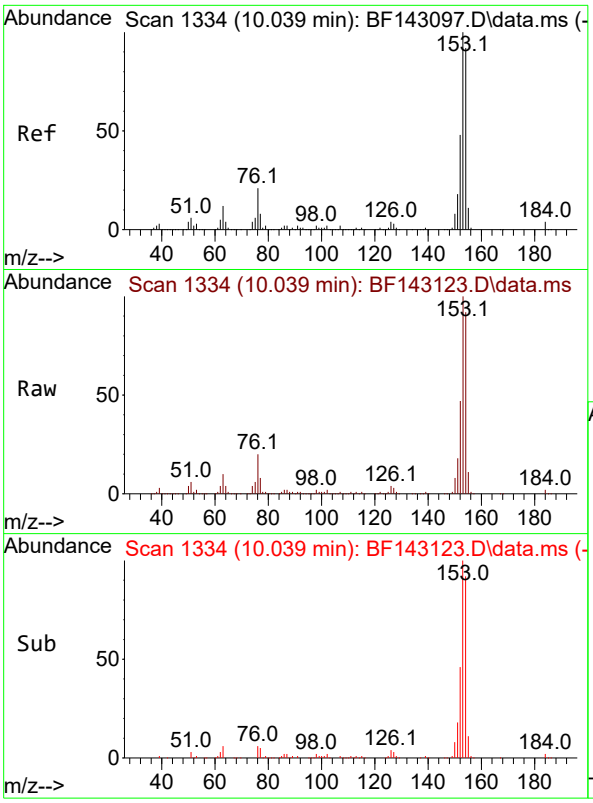



#51
2,6-Dinitrotoluene
Concen: 45.539 ng
RT: 9.780 min Scan# 1290
Delta R.T. 0.005 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:165 Resp: 167499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 63.1 | 57.4 | 86.0 |
| 89 | 58.9 | 51.8 | 77.8 |

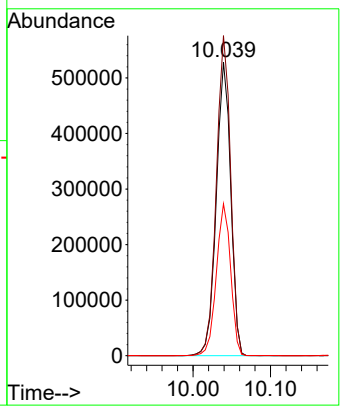





#52
Acenaphthene
Concen: 39.930 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:154 Resp: 68290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 109.0 | 86.7 | 130.1 |
| 152 | 51.7 | 41.4 | 62.2 |




**Instrument :**
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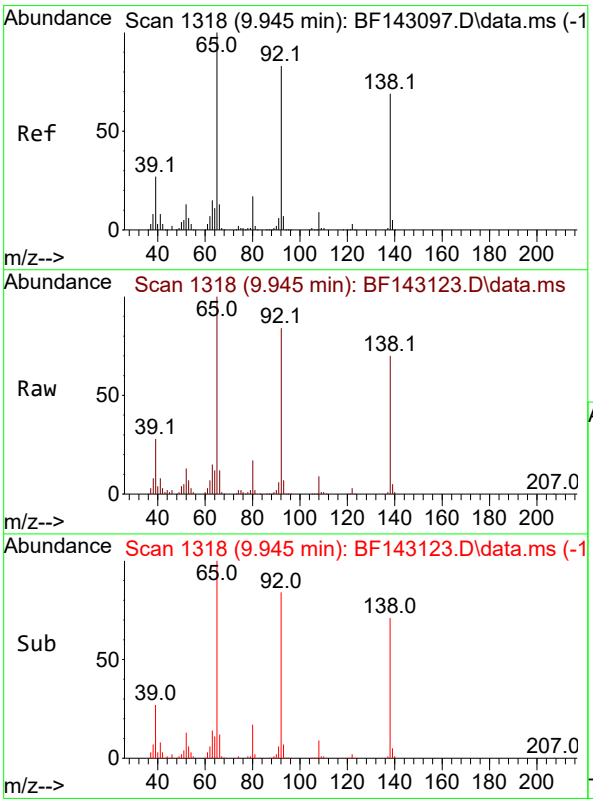
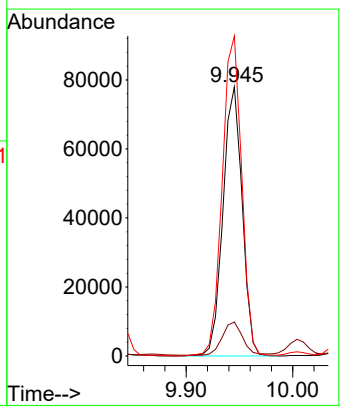
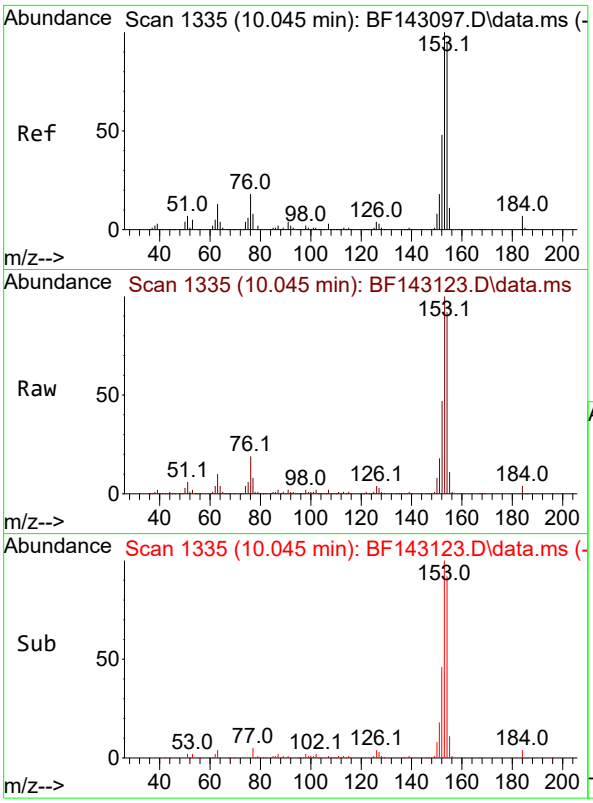



#53
3-Nitroaniline
Concen: 24.084 ng
RT: 9.945 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:138 Resp: 97193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 12.6 | 10.1 | 15.1 |
| 92 | 118.9 | 96.4 | 144.6 |

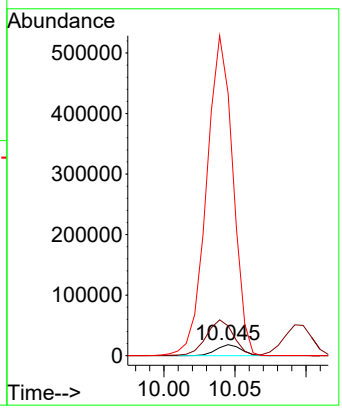





#54
2,4-Dinitrophenol
Concen: 24.116 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:184 Resp: 2205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 271.8 | 149.3 | 223.9 |
| 154 | 2390.5 | 1048.0 | 157 |

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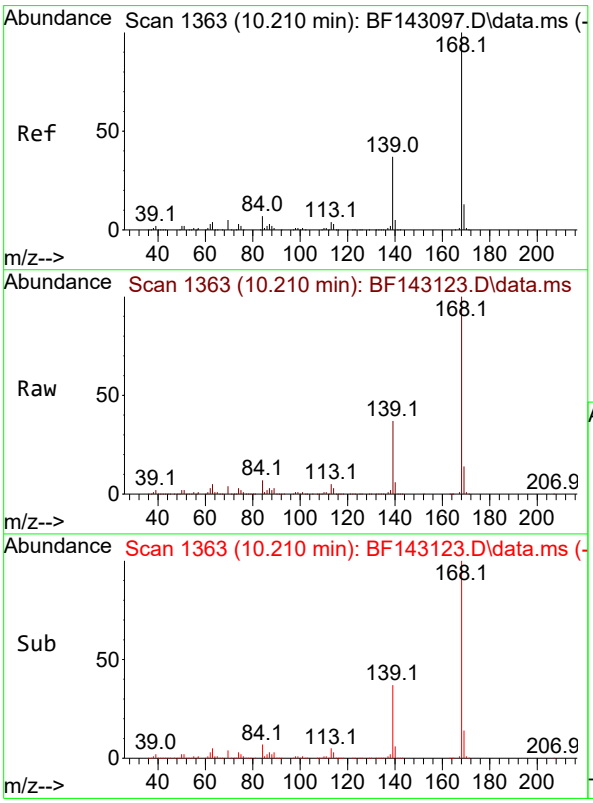
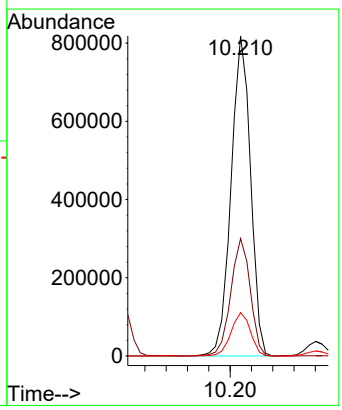
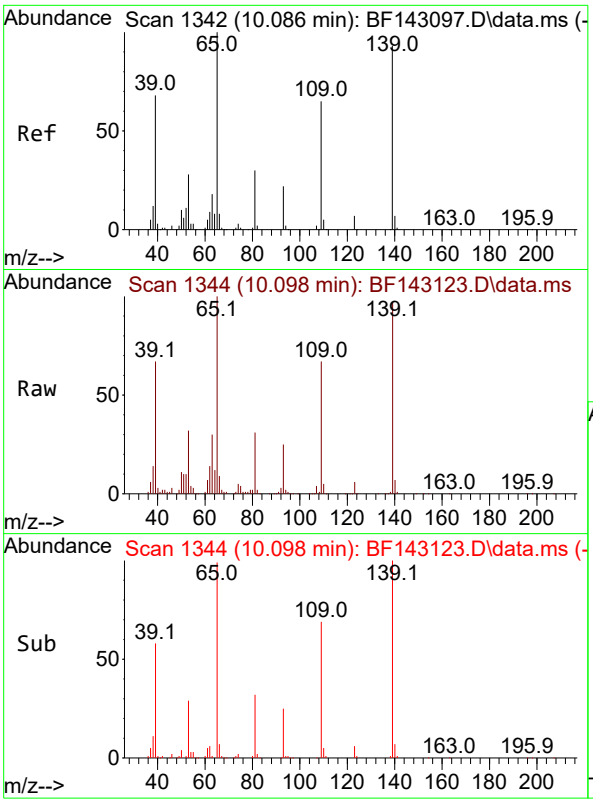



#55
Dibenzofuran
Concen: 40.822 ng
RT: 10.210 min Scan# 1363
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:168 Resp: 1040598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 36.7 | 29.8 | 44.6 |
| 169 | 13.6 | 10.8 | 16.2 |

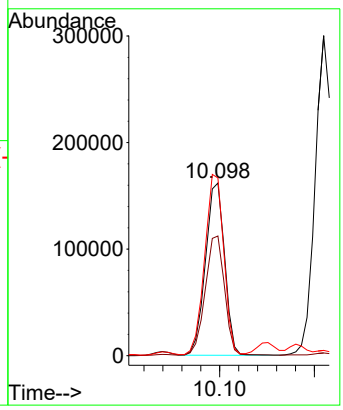





#56
4-Nitrophenol
Concen: 70.644 ng
RT: 10.098 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:139 Resp: 22657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 69.3 | 49.4 | 89.4 |
| 65 | 102.9 | 88.2 | 128.2 |




**Instrument :**
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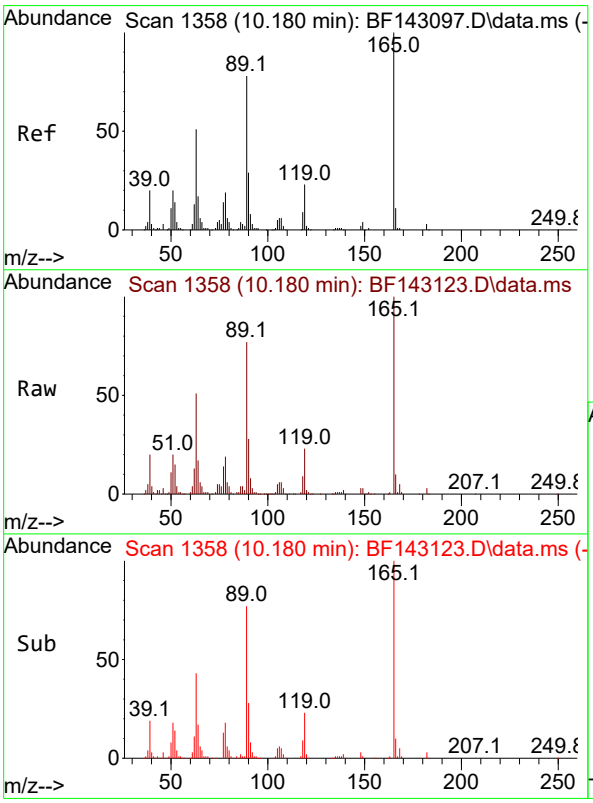
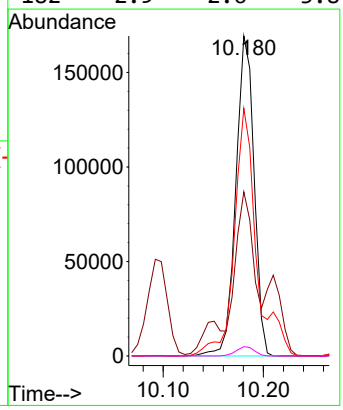
Supervised By :Jagrut Upadhyay 07/17/2025

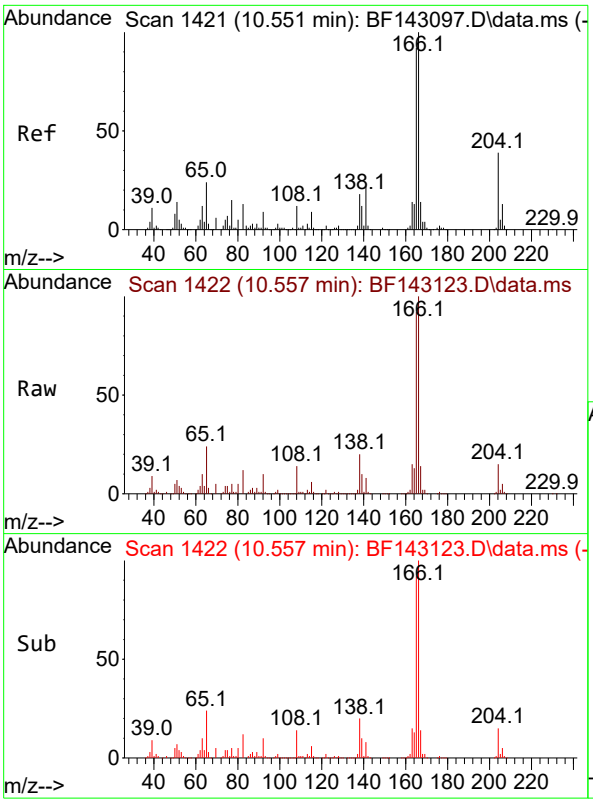



#57
2,4-Dinitrotoluene
Concen: 46.591 ng
RT: 10.180 min Scan# 1358
Delta R.T. 0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:165 Resp: 214229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 51.3 | 40.6 | 61.0 |
| 89 | 77.4 | 62.3 | 93.5 |
| 182 | 2.9 | 2.6 | 3.8 |

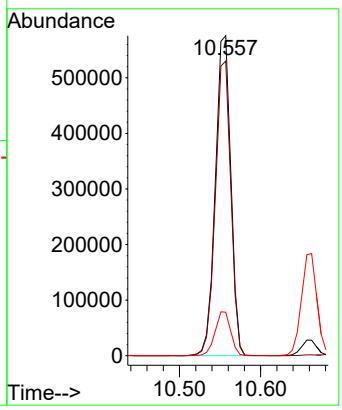





#58
Fluorene
Concen: 40.011 ng
RT: 10.557 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:166 Resp: 76467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 92.0 | 73.7 | 110.5 |
| 167 | 13.6 | 10.9 | 16.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MSD

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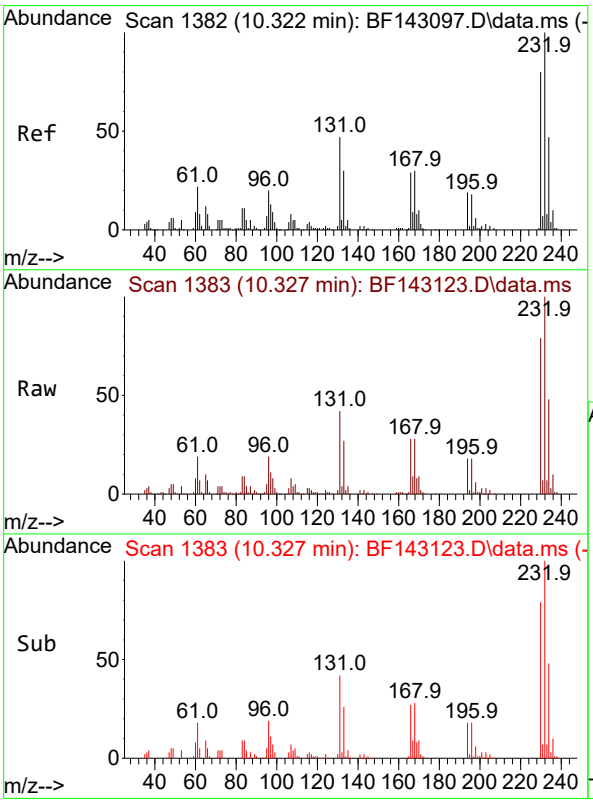
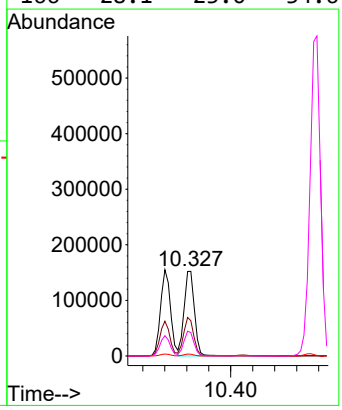
Supervised By :Jagrut Upadhyay 07/17/2025

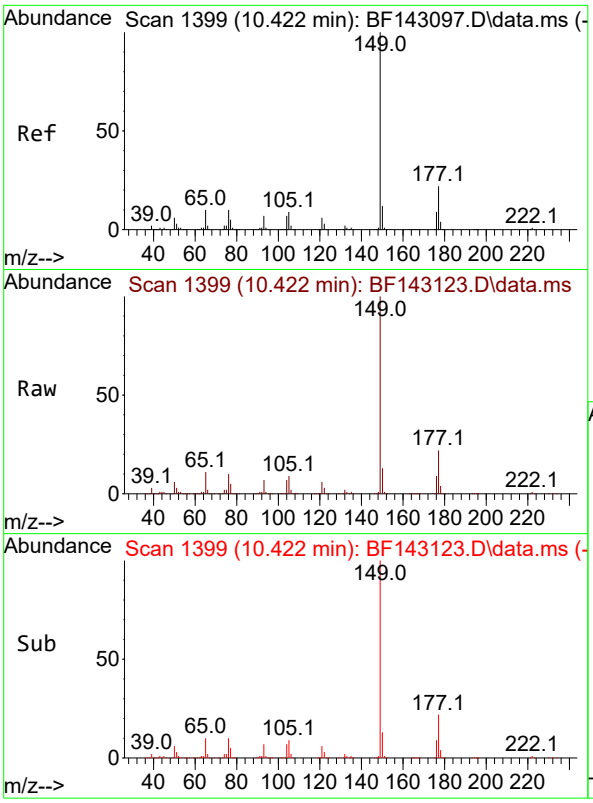



#59
2,3,4,6-Tetrachlorophenol
Concen: 44.577 ng
RT: 10.327 min Scan# 1383
Delta R.T. 0.006 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:232 Resp: 199674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 43.9 | 36.9 | 55.3 |
| 130 | 2.1 | 1.8 | 2.8 |
| 166 | 28.1 | 23.0 | 34.6 |

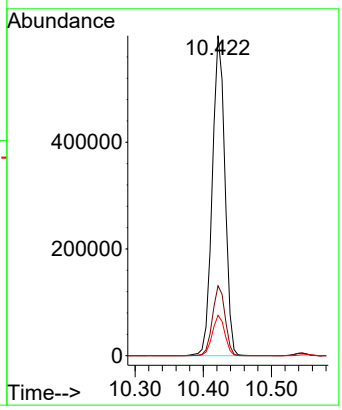





#60
Diethylphthalate
Concen: 42.818 ng
RT: 10.422 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:149 Resp: 77152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.9 | 17.3 | 25.9 |
| 150 | 12.6 | 9.9 | 14.9 |

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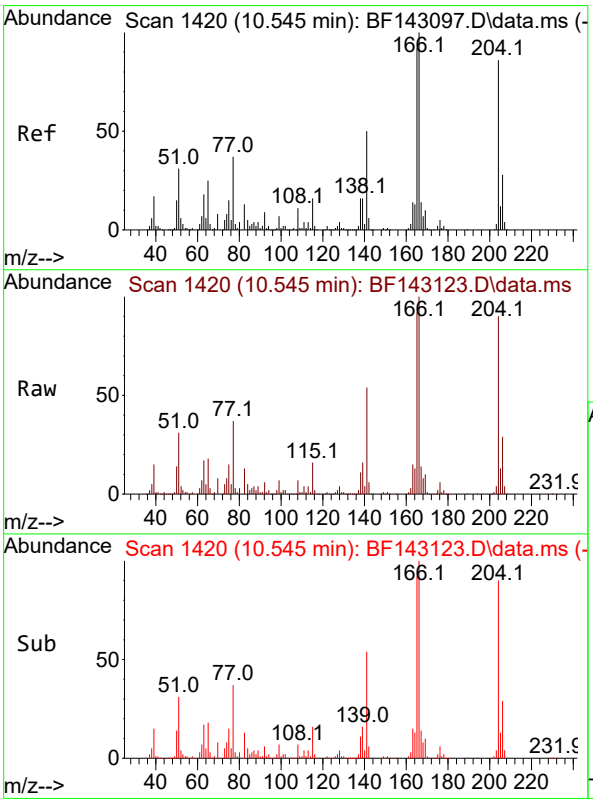
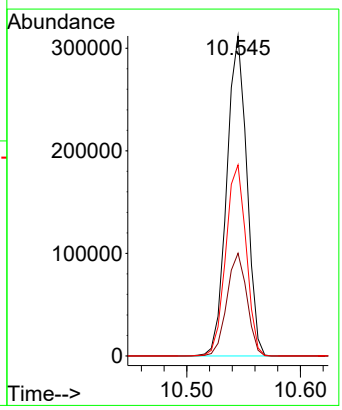
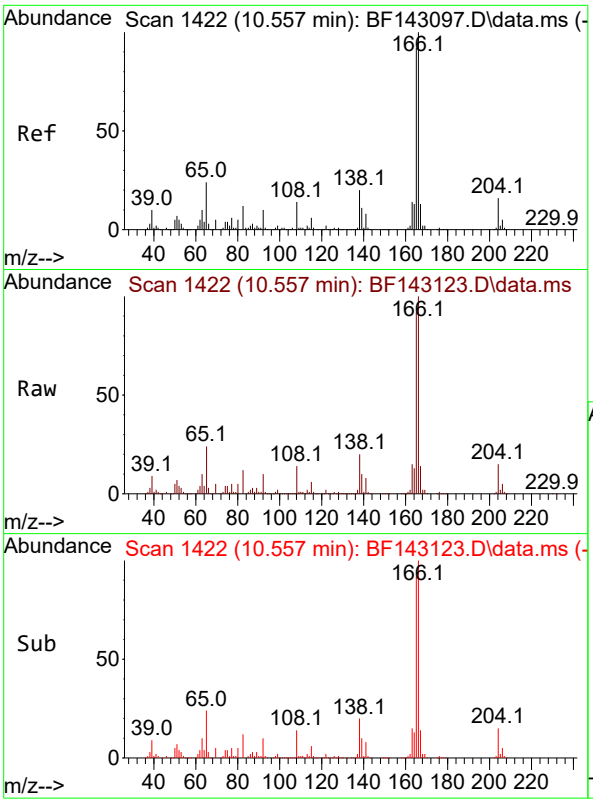



#61
4-Chlorophenyl-phenylether
Concen: 41.698 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:204 Resp: 381957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.1 | 25.8 | 38.6 |
| 141 | 59.7 | 46.8 | 70.2 |

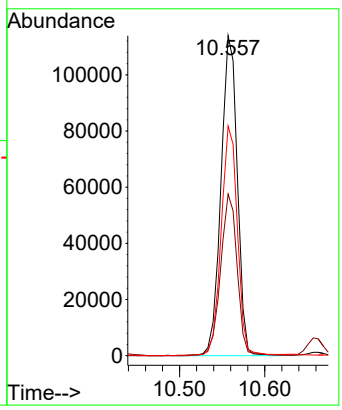





#62
4-Nitroaniline
Concen: 43.324 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:138 Resp: 15204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.5 | 30.4 | 70.4 |
| 108 | 71.7 | 49.5 | 89.5 |




**Instrument :**
BNA_F
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WC-SOIL-20250711MSD

**Manual Integrations**
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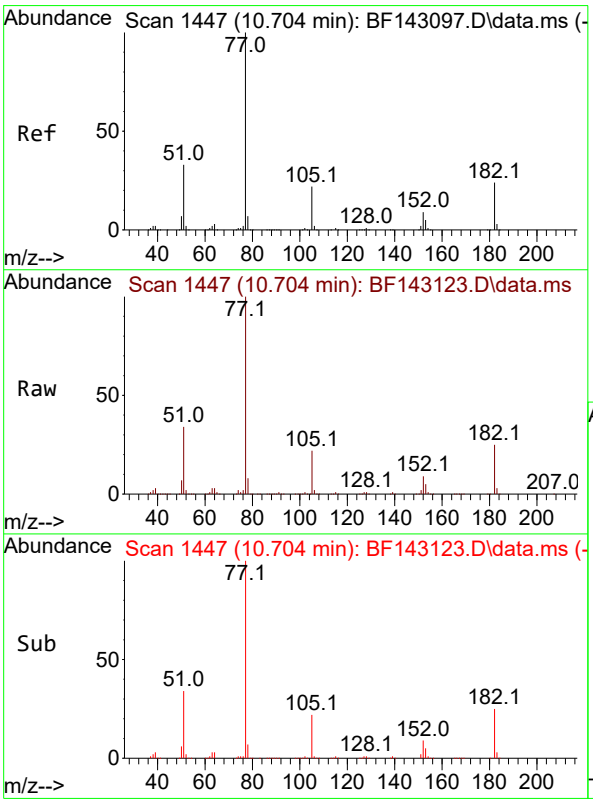
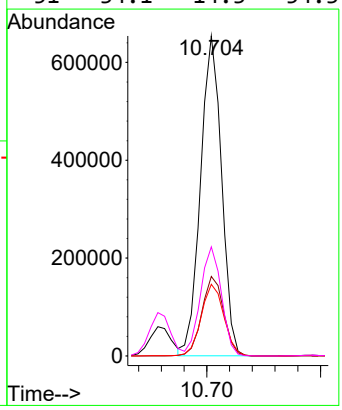
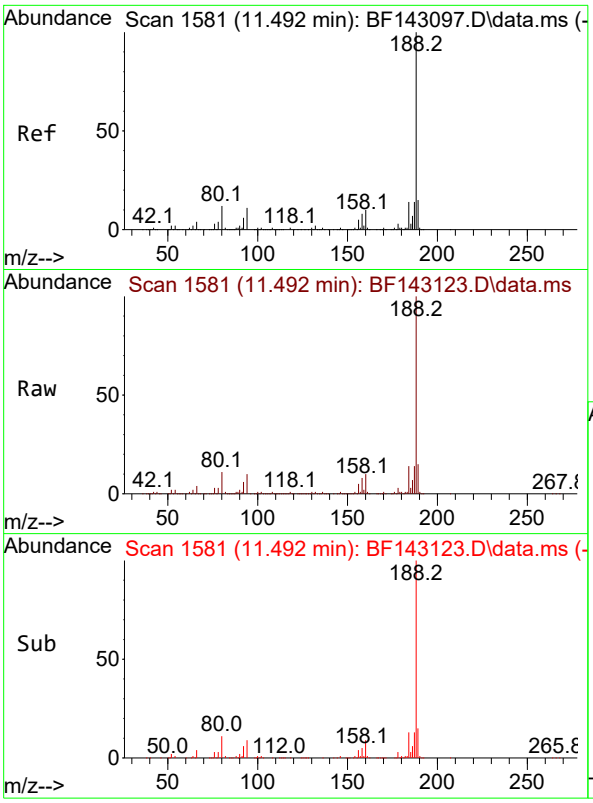



#63
Azobenzene
Concen: 42.203 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion: 77 Resp: 841015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 24.8 | 4.0 | 44.0 |
| 105 | 22.4 | 1.4 | 41.4 |
| 51 | 34.1 | 14.3 | 54.3 |






#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:188 Resp: 46180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.4 | 8.6 | 13.0 |
| 80 | 11.0 | 9.3 | 13.9 |

**Instrument :**
BNA_F
**ClientSampleId :**
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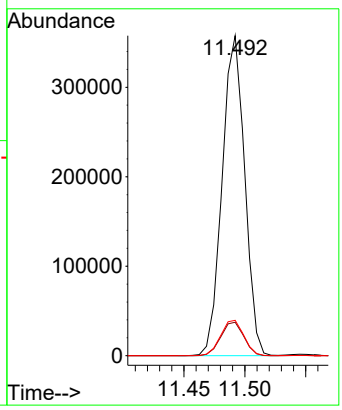
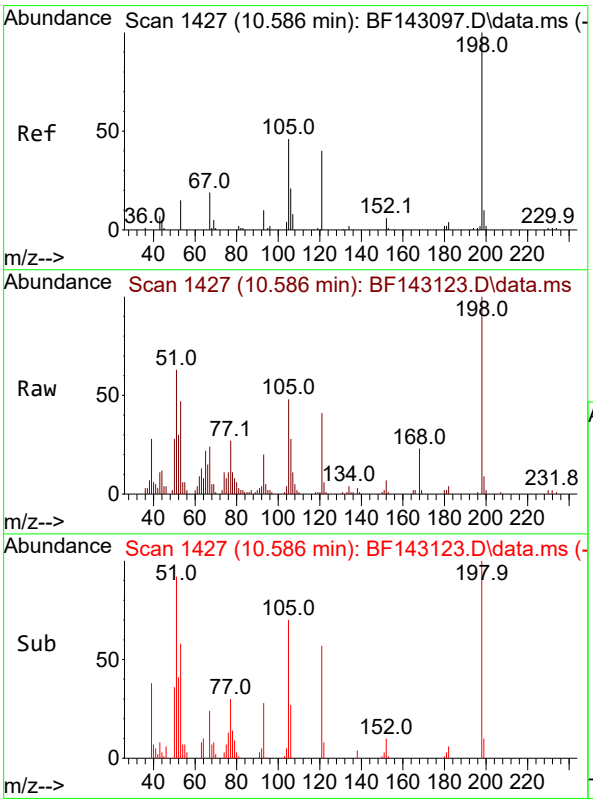
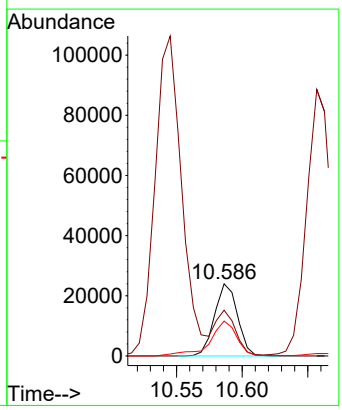


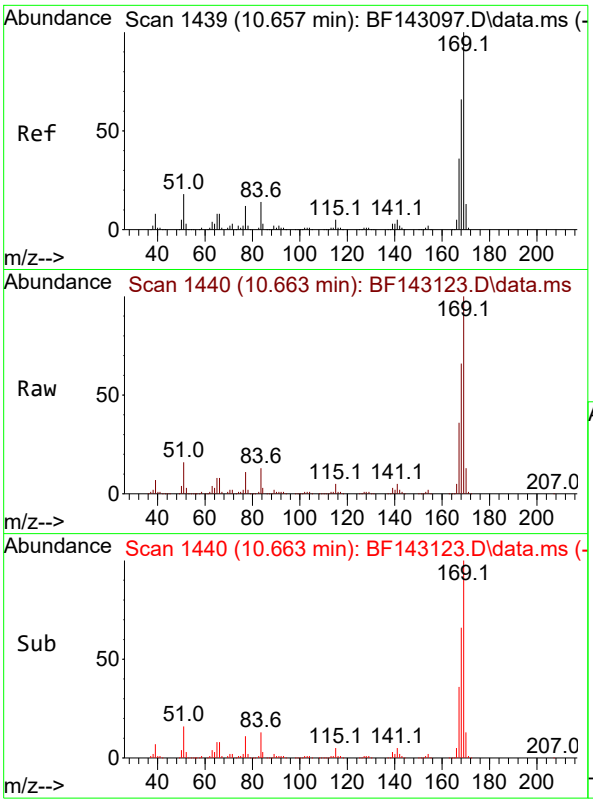




#65
4,6-Dinitro-2-methylphenol
Concen: 22.144 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:198 Resp: 29165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 63.4 | 44.6 | 84.6 |
| 105 | 48.2 | 29.3 | 69.3 |

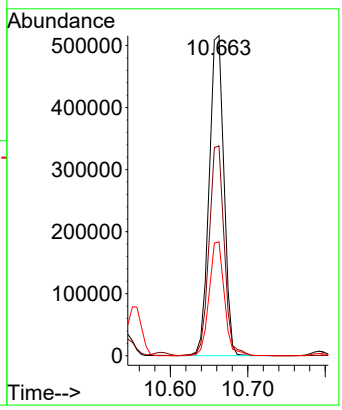





#66
n-Nitrosodiphenylamine
Concen: 42.051 ng
RT: 10.663 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:169 Resp: 68213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.6 | 53.0 | 79.6 |
| 167 | 35.6 | 28.4 | 42.6 |

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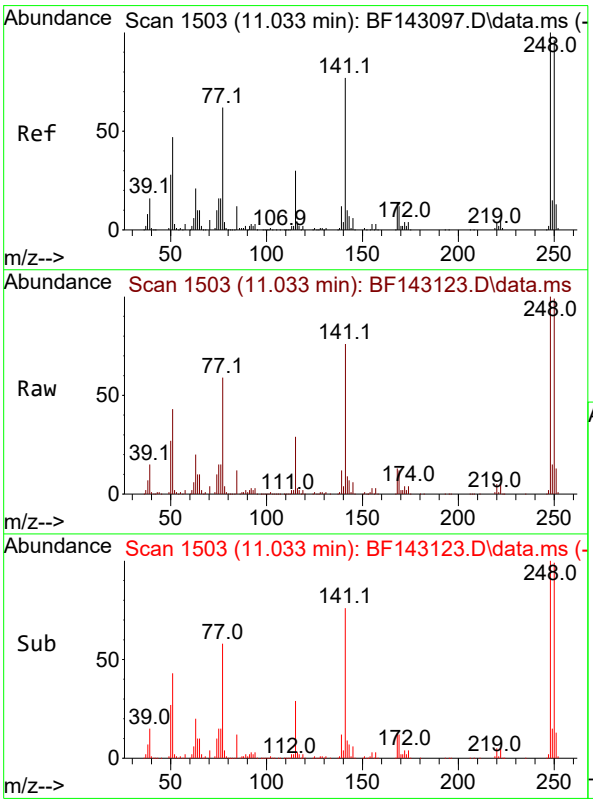
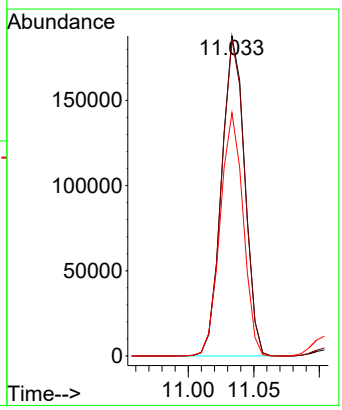
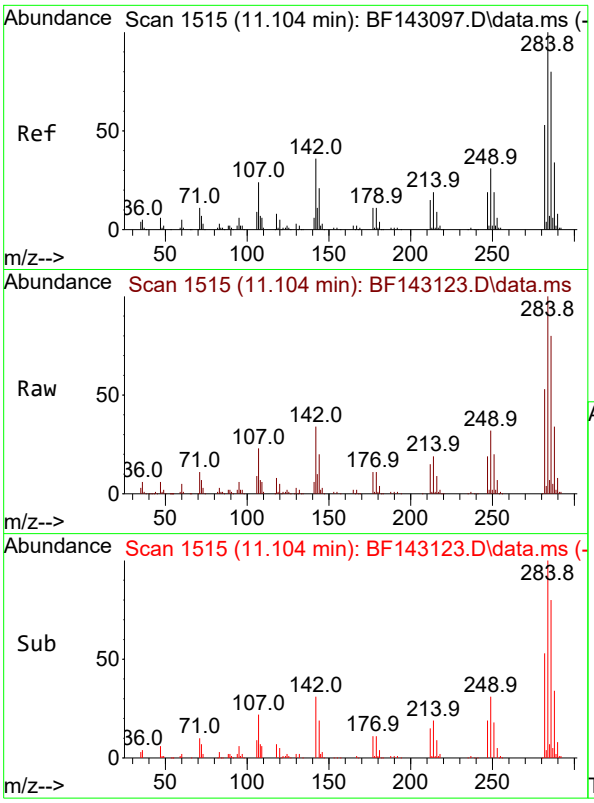



#67
4-Bromophenyl-phenylether
Concen: 43.804 ng
RT: 11.033 min Scan# 1503
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:248 Resp: 230049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.8 | 76.7 | 115.1 |
| 141 | 76.0 | 61.7 | 92.5 |

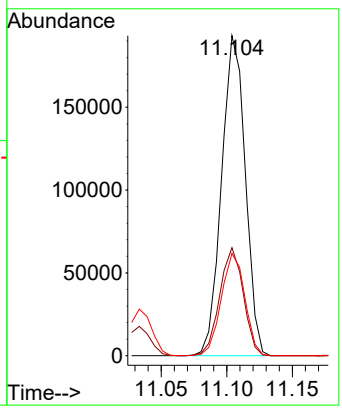





#68
Hexachlorobenzene
Concen: 43.638 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:284 Resp: 24316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 33.8 | 28.9 | 43.3 |
| 249 | 32.0 | 24.6 | 37.0 |




**Instrument :**
BNA_F
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WC-SOIL-20250711MSD

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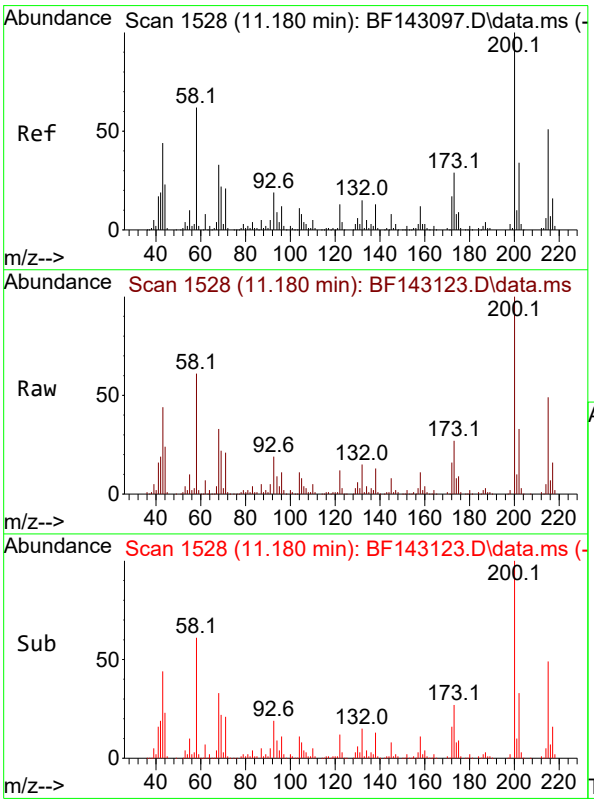
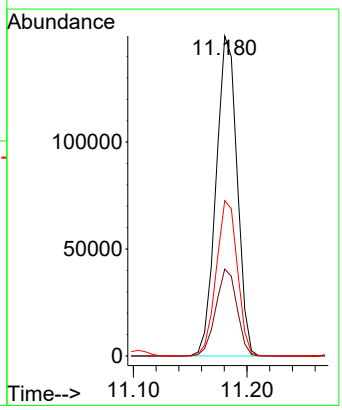
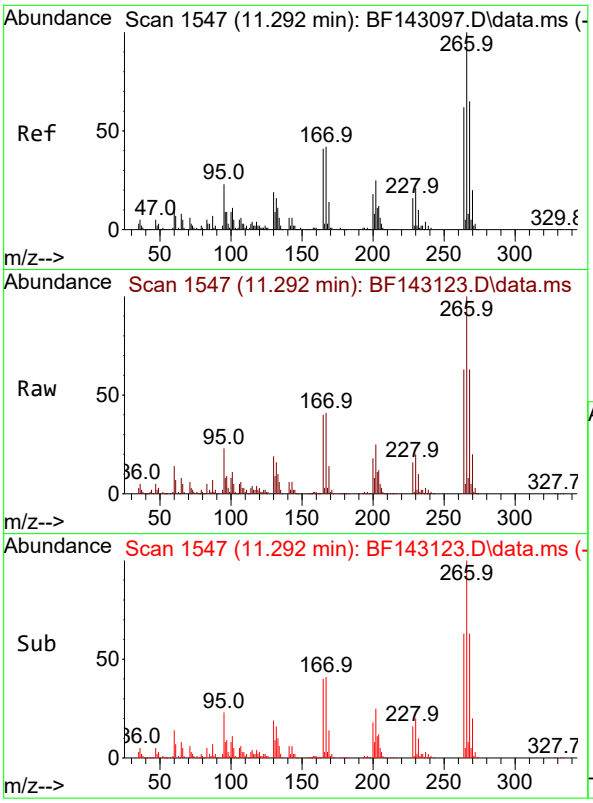



#69
Atrazine
Concen: 46.405 ng
RT: 11.180 min Scan# 1528
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:200 Resp: 192588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.1 | 9.1 | 49.1 |
| 215 | 48.6 | 31.0 | 71.0 |

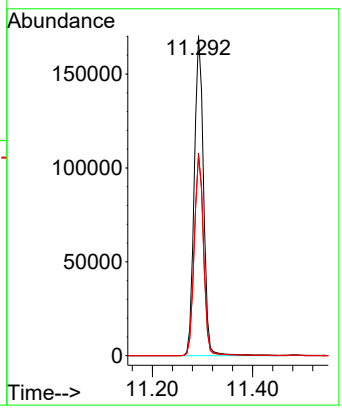





#70
Pentachlorophenol
Concen: 71.314 ng
RT: 11.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:266 Resp: 21802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.2 | 51.8 | 77.6 |
| 264 | 62.7 | 49.7 | 74.5 |




**Instrument :**
BNA_F
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WC-SOIL-20250711MSD

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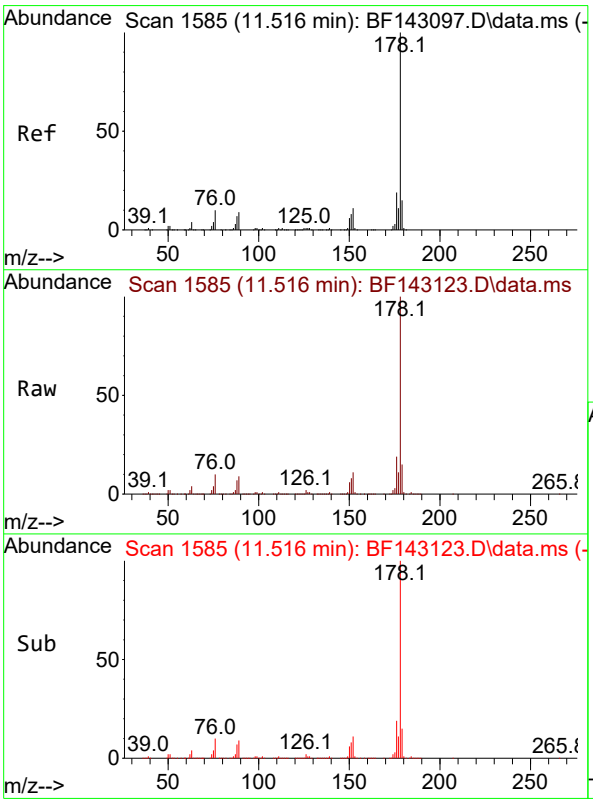
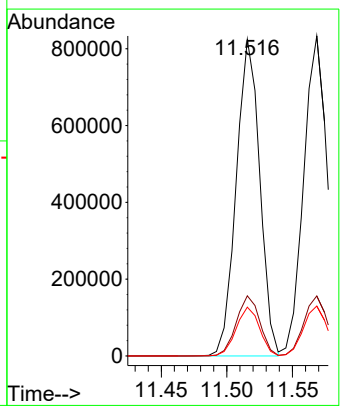
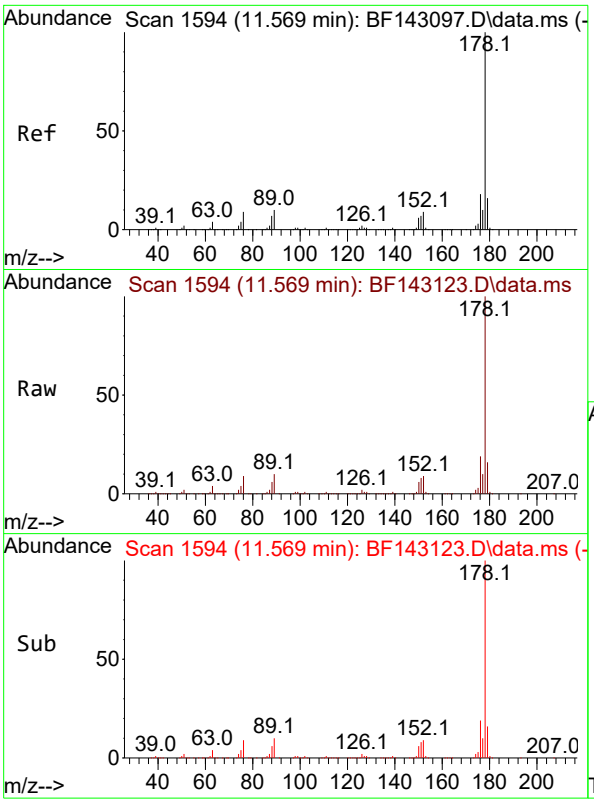



#71
Phenanthrene
Concen: 41.274 ng
RT: 11.516 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:178 Resp: 1028670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.1 | 22.7 |
| 179 | 15.4 | 12.2 | 18.4 |

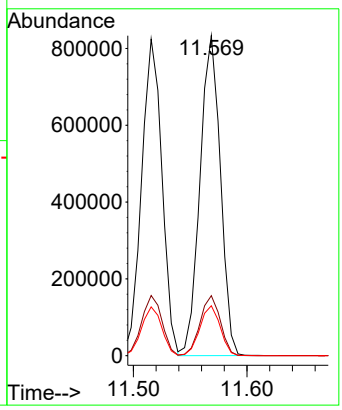





#72
Anthracene
Concen: 41.528 ng
RT: 11.569 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:178 Resp: 104080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 14.7 | 22.1 |
| 179 | 15.6 | 12.4 | 18.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MSD

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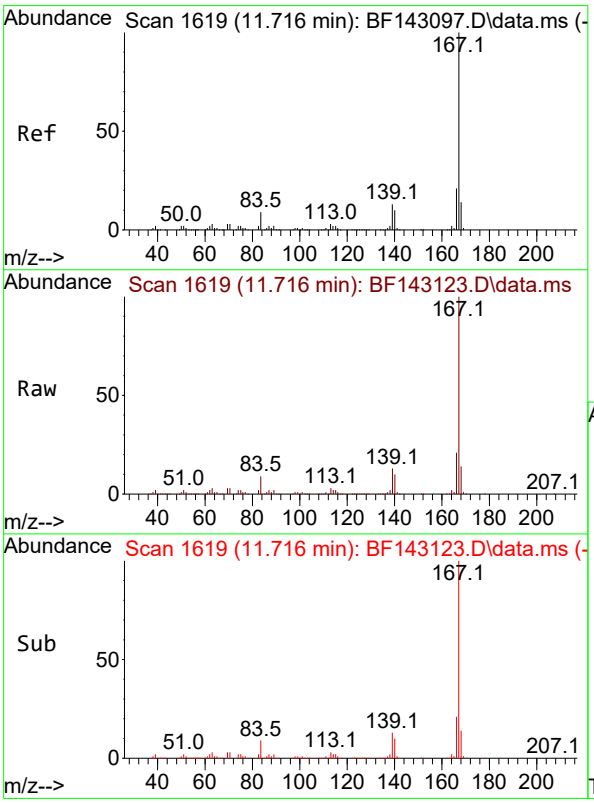
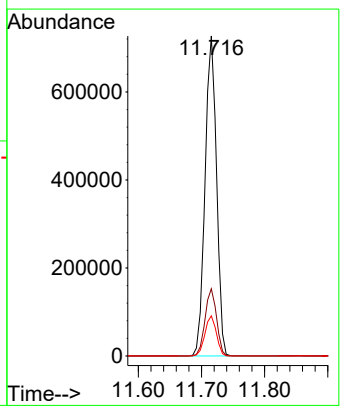
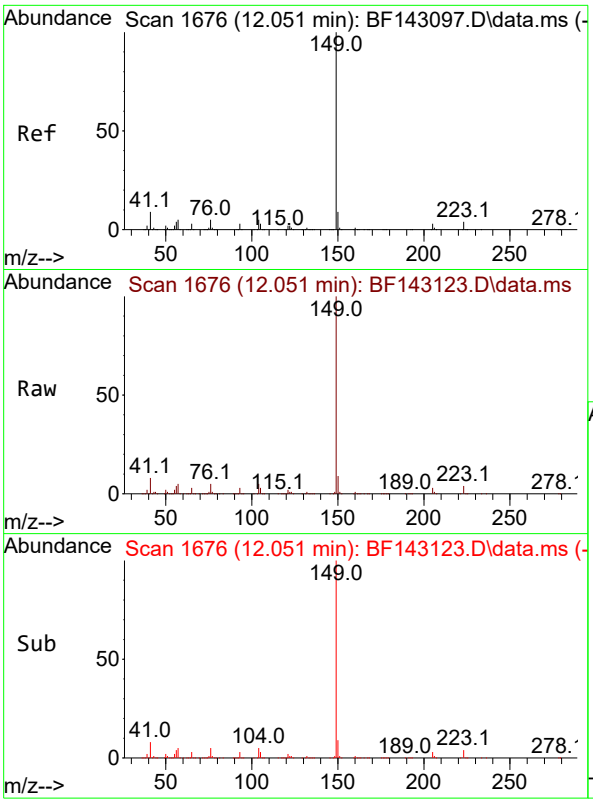



#73
Carbazole
Concen: 40.894 ng
RT: 11.716 min Scan# 1619
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:167 Resp: 918194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.0 | 17.0 | 25.4 |
| 139 | 12.6 | 10.2 | 15.4 |

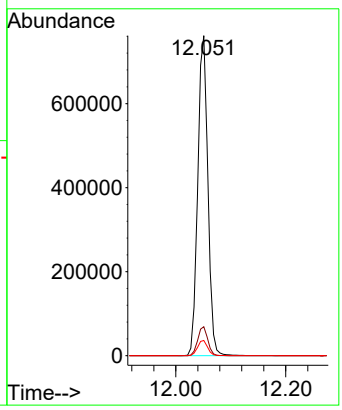





#74
Di-n-butylphthalate
Concen: 47.235 ng
RT: 12.051 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:149 Resp: 97353

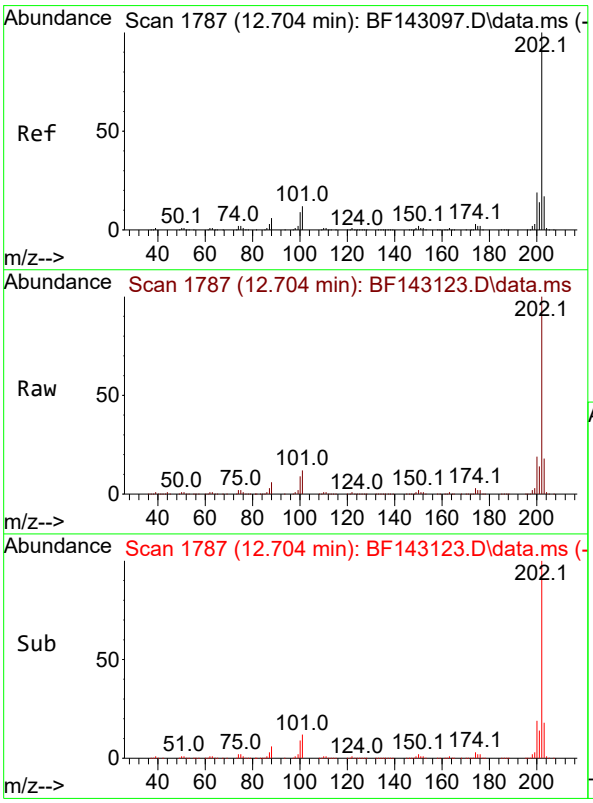
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.0 | 7.3 | 10.9 |
| 104 | 4.7 | 3.8 | 5.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MSD

**Manual Integrations APPROVED**

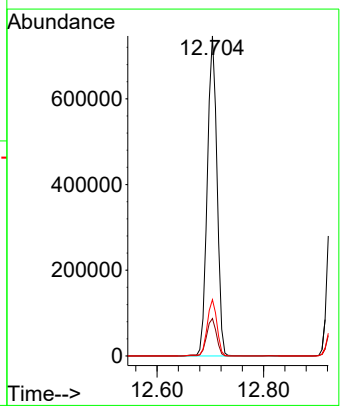
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

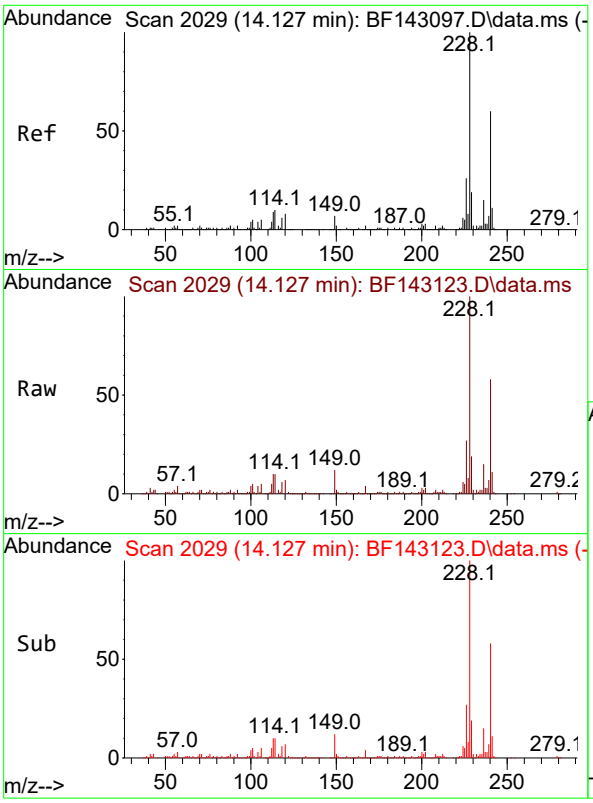



#75
Fluoranthene
Concen: 41.503 ng
RT: 12.704 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:202 Resp: 940517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.7 | 0.0 | 32.4 |
| 203 | 17.6 | 0.0 | 37.4 |

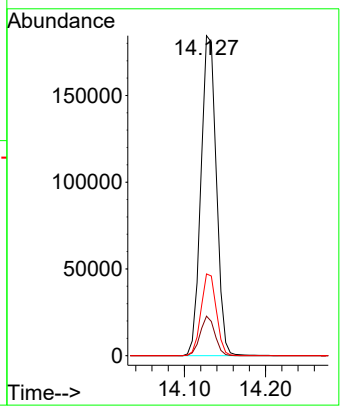





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:240 Resp: 24287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.4 | 10.0 | 15.0 |
| 236 | 25.5 | 20.0 | 30.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MSD

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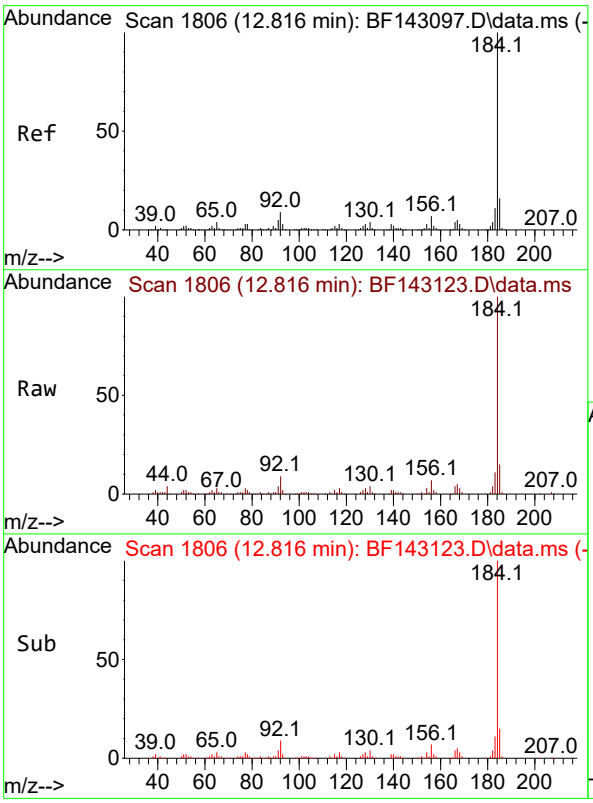
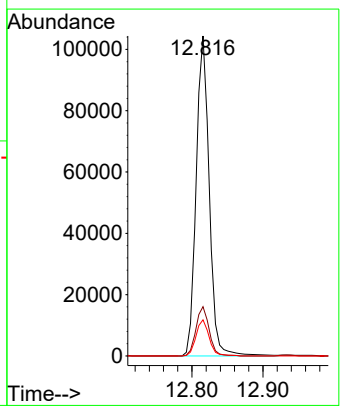
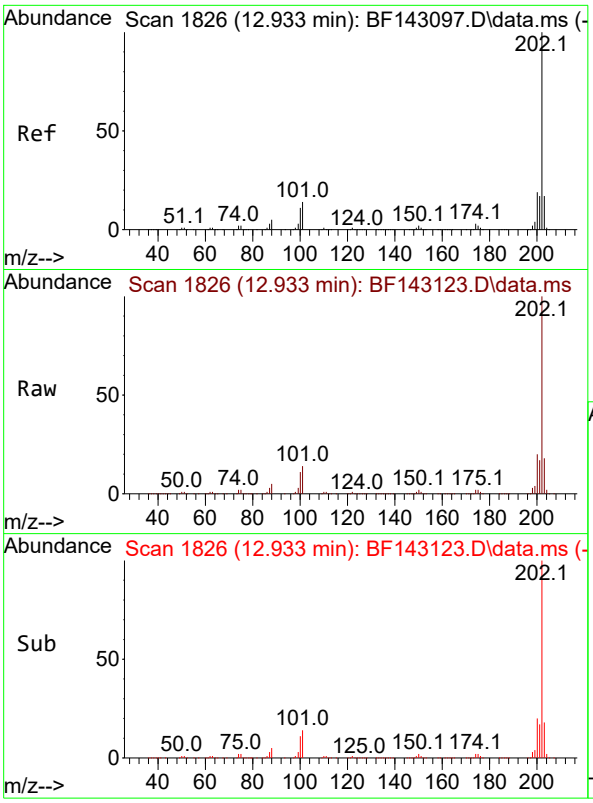



#77
Benzidine
Concen: 16.165 ng
RT: 12.816 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:184 Resp: 133752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.4 | 12.4 | 18.6 |
| 183 | 11.3 | 8.6 | 12.8 |

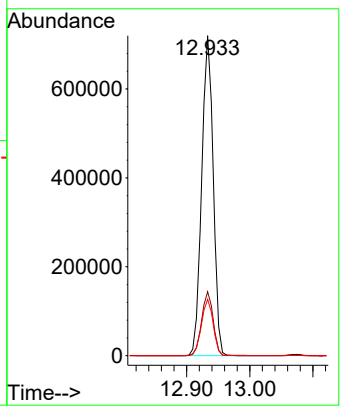





#78
Pyrene
Concen: 40.522 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:202 Resp: 91314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.0 | 15.5 | 23.3 |
| 203 | 17.6 | 14.0 | 21.0 |




**Instrument :**
BNA_F
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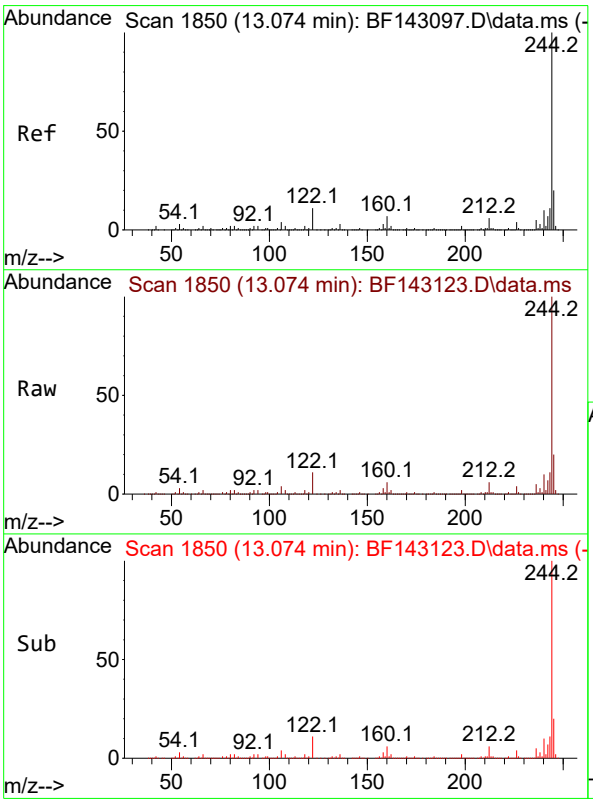
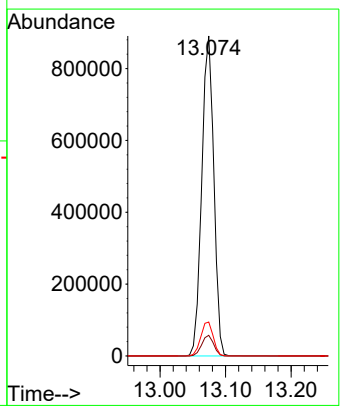
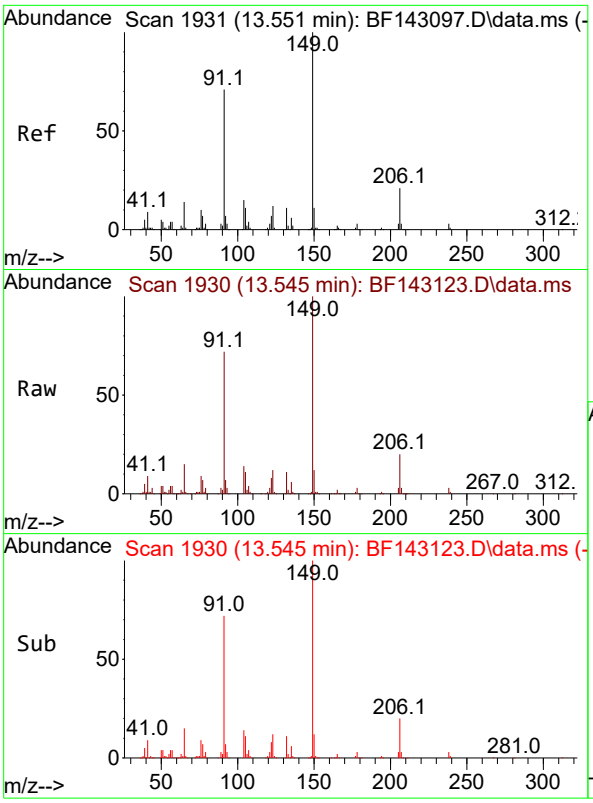



#79
Terphenyl-d14
Concen: 68.707 ng
RT: 13.074 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:244 Resp: 1141518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.4 | 5.2 | 7.8 |
| 122 | 10.6 | 8.8 | 13.2 |

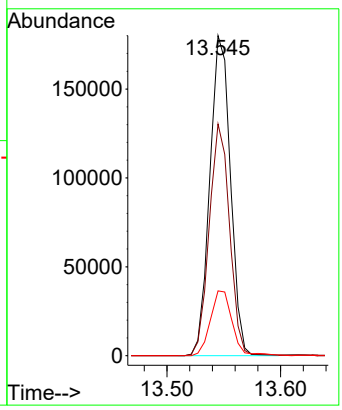





#80
Butylbenzylphthalate
Concen: 49.895 ng
RT: 13.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:149 Resp: 22654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 72.4 | 57.0 | 85.4 |
| 206 | 20.2 | 17.2 | 25.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MSD

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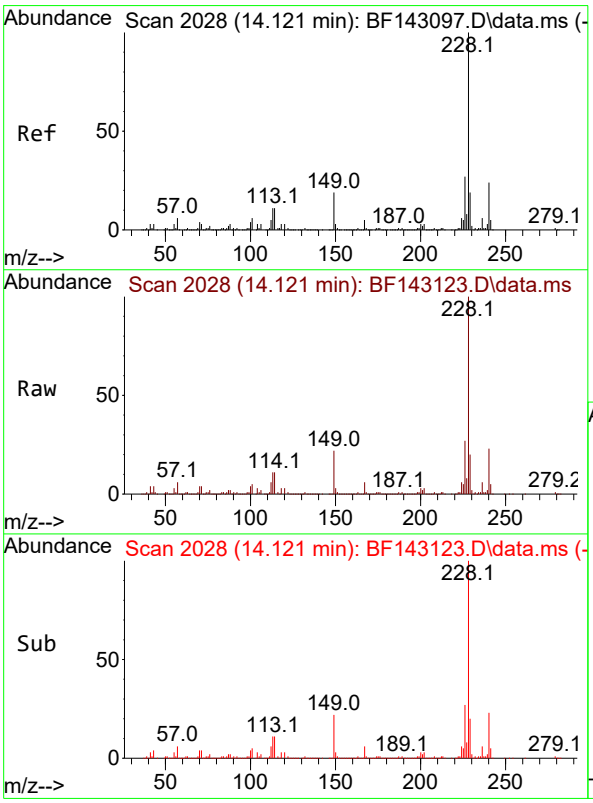
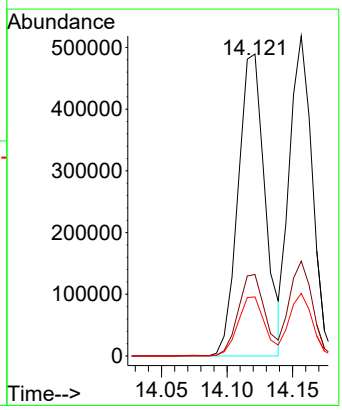
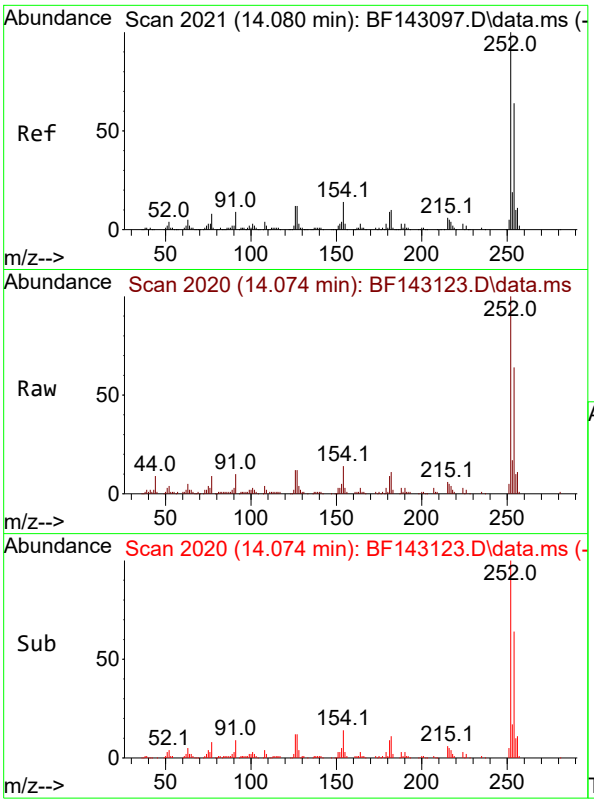



#81
Benzo(a)anthracene
Concen: 43.273 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:228 Resp: 700338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.0 | 21.3 | 31.9 |
| 229 | 19.5 | 15.5 | 23.3 |

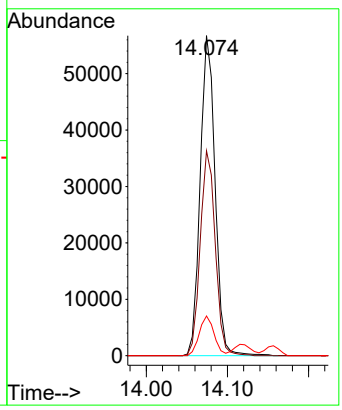





#82
3,3'-Dichlorobenzidine
Concen: 15.363 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:252 Resp: 7220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.0 | 51.5 | 77.3 |
| 126 | 12.4 | 9.4 | 14.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MSD

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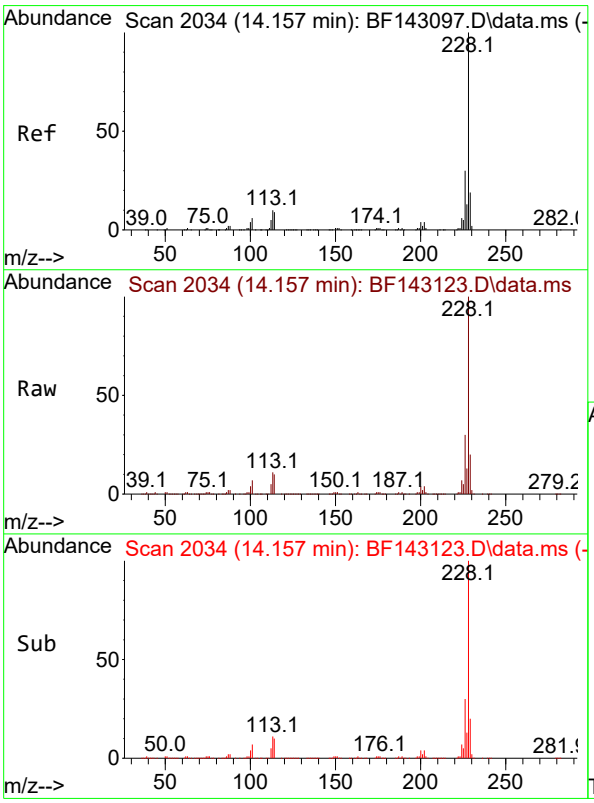
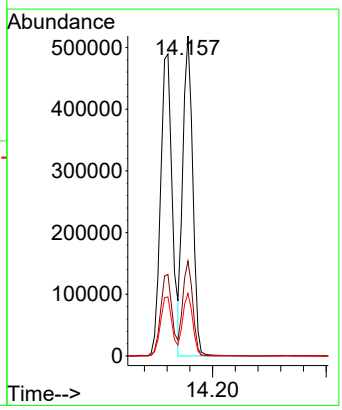
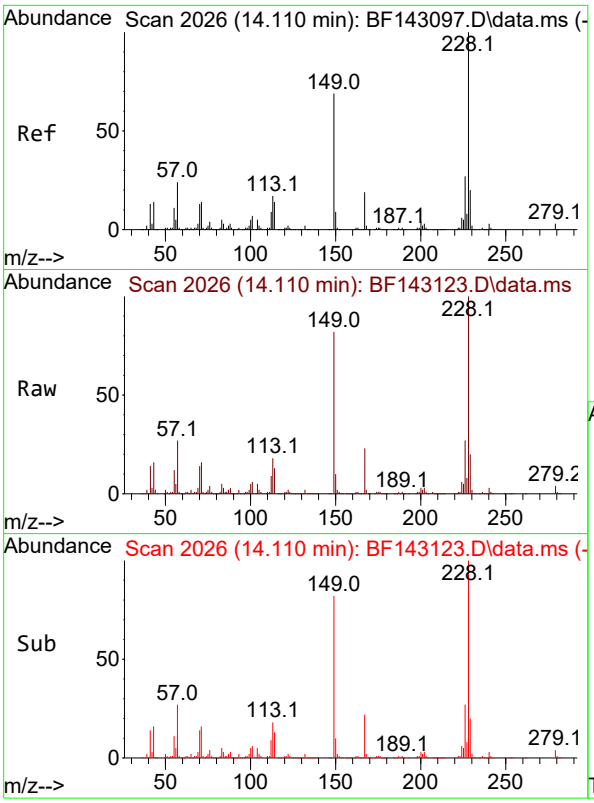



#83
Chrysene
Concen: 42.056 ng
RT: 14.157 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:228 Resp: 626869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.6 | 23.4 | 35.2 |
| 229 | 19.6 | 15.3 | 22.9 |






#84
Bis(2-ethylhexyl)phthalate
Concen: 50.248 ng
RT: 14.110 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:149 Resp: 34426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.4 | 21.9 | 32.9 |
| 279 | 4.3 | 3.4 | 5.0 |

**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MSD

**Manual Integrations APPROVED**

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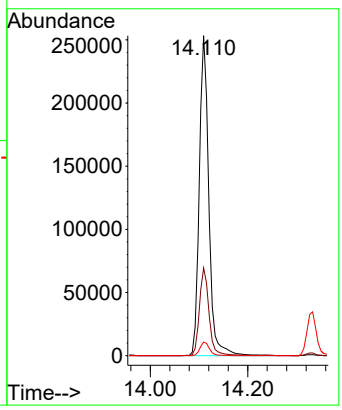
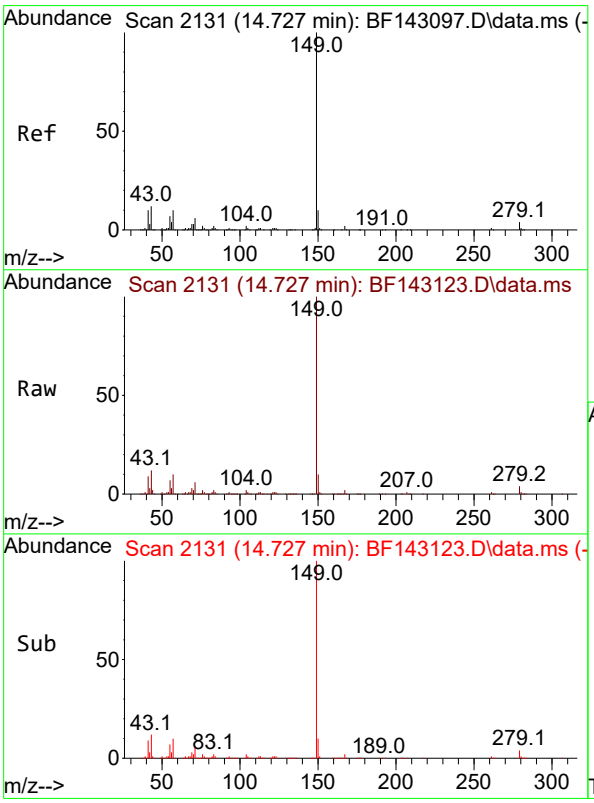
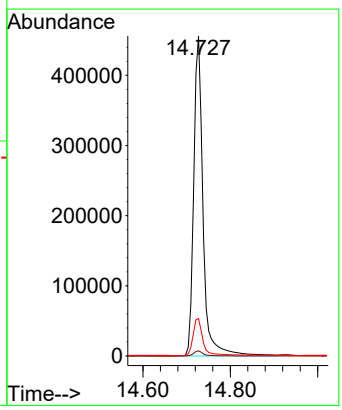


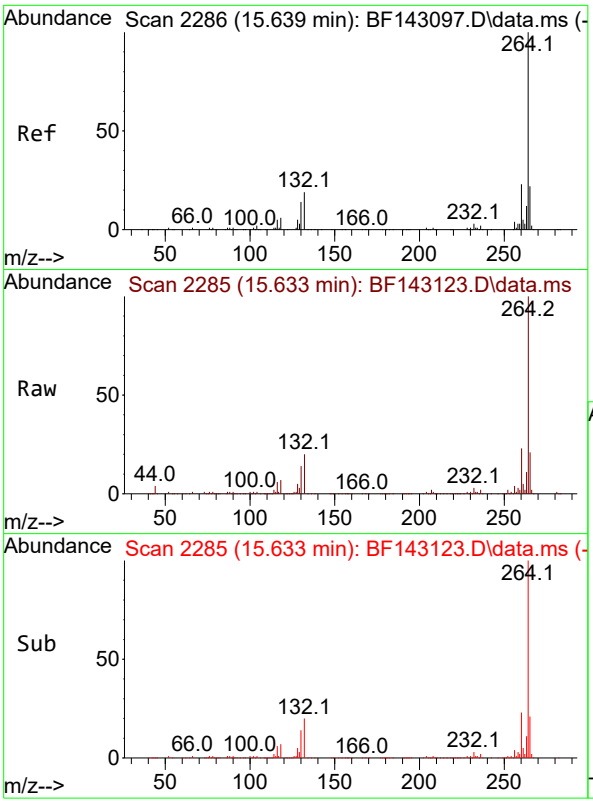




#85
Di-n-octyl phthalate
Concen: 52.034 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:149 Resp: 680638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.7 | 1.2 | 1.8 |
| 43 | 12.3 | 10.6 | 16.0 |

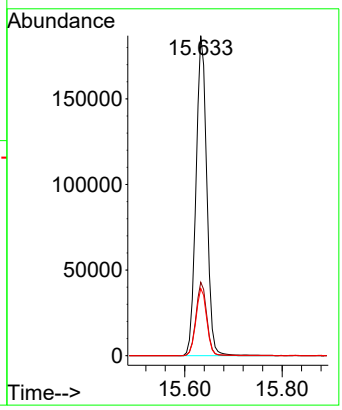





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:264 Resp: 28828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.0 | 18.5 | 27.7 |
| 265 | 21.0 | 17.5 | 26.3 |




**Instrument :**
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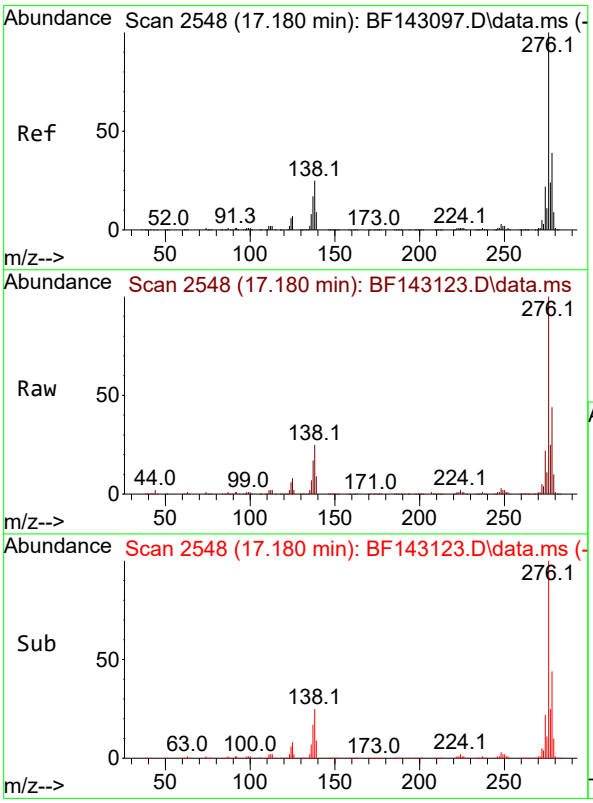
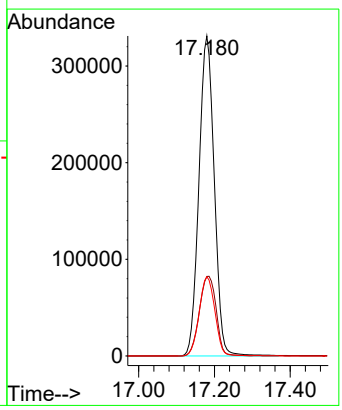
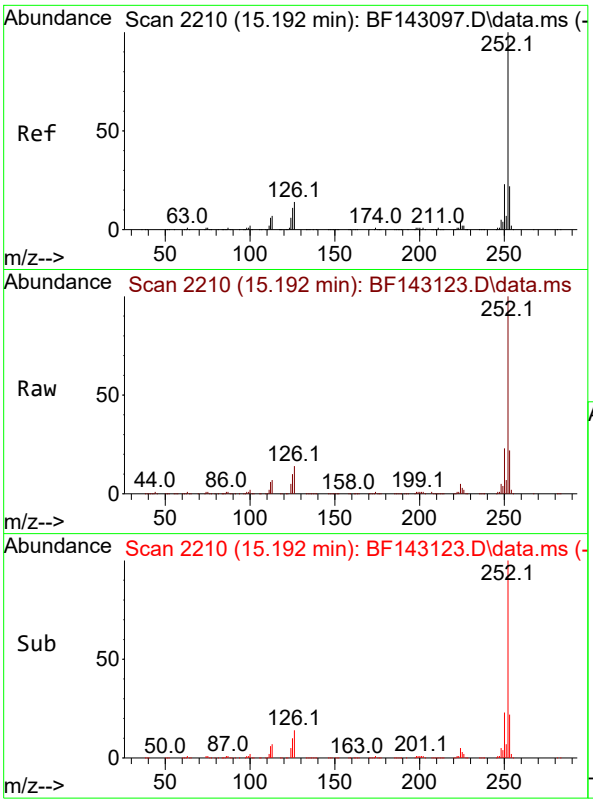



#87
Indeno(1,2,3-cd)pyrene
Concen: 43.324 ng
RT: 17.180 min Scan# 2548
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:276 Resp: 928932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.3 | 22.6 | 34.0 |
| 277 | 25.4 | 20.2 | 30.2 |






#88
Benzo(b)fluoranthene
Concen: 42.554 ng
RT: 15.192 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:252 Resp: 70762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.5 | 26.3 |
| 125 | 10.3 | 8.6 | 13.0 |

**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MSD

**Manual Integrations**
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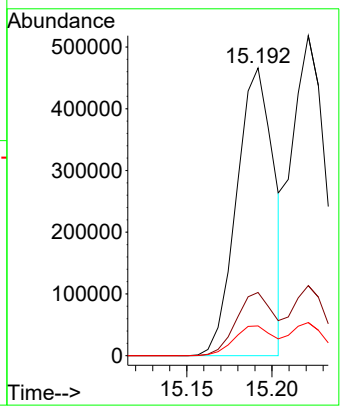
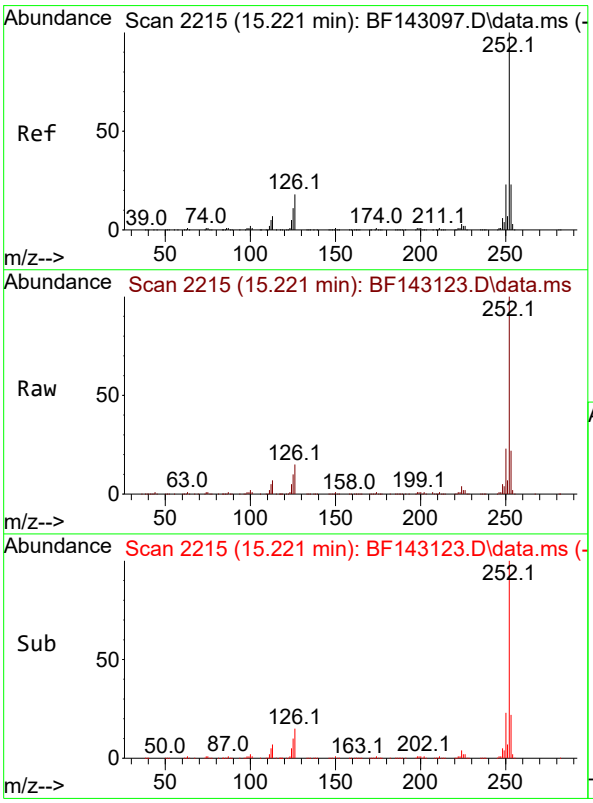
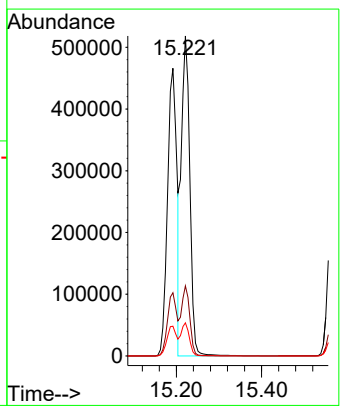


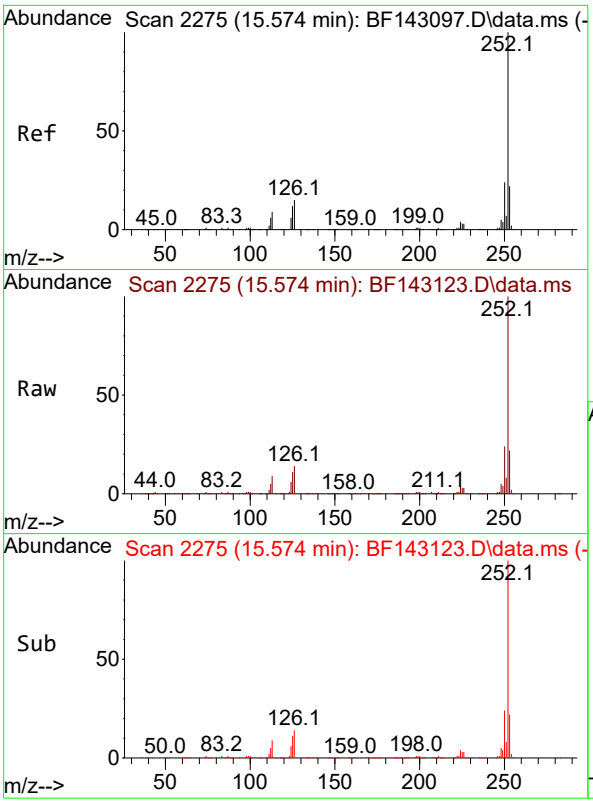




#89
Benzo(k)fluoranthene
Concen: 45.560 ng
RT: 15.221 min Scan# 2215
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:252 Resp: 722763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.4 | 26.2 |
| 125 | 10.4 | 8.5 | 12.7 |

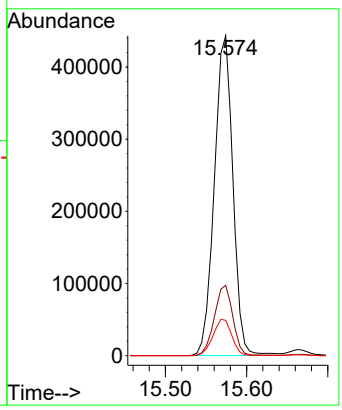





#90
Benzo(a)pyrene
Concen: 44.811 ng
RT: 15.574 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:252 Resp: 70475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.5 | 26.3 |
| 125 | 11.0 | 9.4 | 14.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
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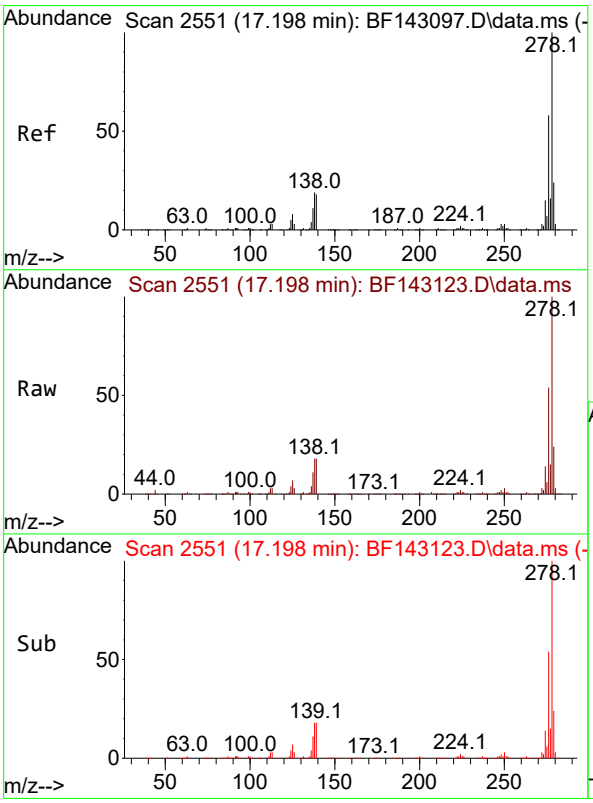
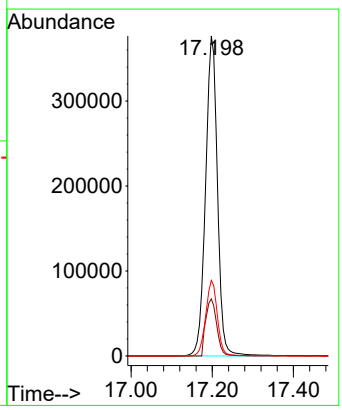
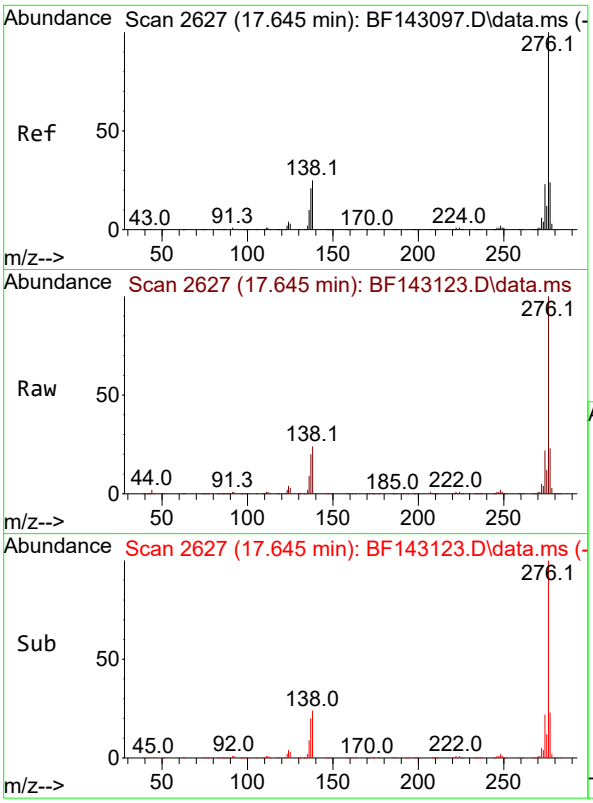



#91
Dibenzo(a,h)anthracene
Concen: 43.634 ng
RT: 17.198 min Scan# 2551
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:278 Resp: 764803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.9 | 14.6 | 22.0 |
| 279 | 23.6 | 18.8 | 28.2 |

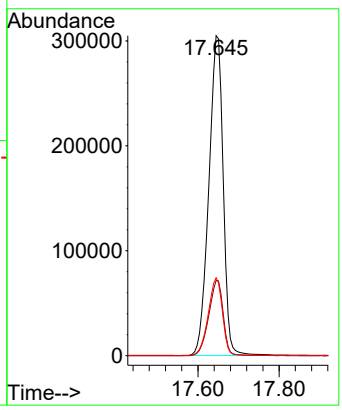





#92
Benzo(g,h,i)perylene
Concen: 41.795 ng
RT: 17.645 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143123.D
Acq: 16 Jul 2025 22:38

Tgt Ion:276 Resp: 74687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.5 | 19.2 | 28.8 |
| 138 | 24.3 | 19.8 | 29.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20250711MSD

**Manual Integrations**
**APPROVED**

Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

# Manual Integration Report

| Sequence: | BF071525 | Instrument | BNA_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDICC005 | BF143094.D | Nitrobenzene-d5 | Rahul | 7/16/2025 11:43:26 AM | Jagrut | 7/16/2025 1:40:56 PM | Peak Integrated by Software |
| SSTDICC010 | BF143095.D | Benzoic acid | Rahul | 7/16/2025 11:43:28 AM | Jagrut | 7/16/2025 1:40:58 PM | Peak Integrated by Software |
| SSTDICC010 | BF143095.D | Nitrobenzene-d5 | Rahul | 7/16/2025 11:43:28 AM | Jagrut | 7/16/2025 1:40:58 PM | Peak Integrated by Software |
| SSTDICC020 | BF143096.D | Benzoic acid | Rahul | 7/16/2025 11:43:30 AM | Jagrut | 7/16/2025 1:41:01 PM | Peak Integrated by Software |
| SSTDICC020 | BF143096.D | Nitrobenzene-d5 | Rahul | 7/16/2025 11:43:30 AM | Jagrut | 7/16/2025 1:41:01 PM | Peak Integrated by Software |
| SSTDICC020 | BF143096.D | Phenol | Rahul | 7/16/2025 11:43:30 AM | Jagrut | 7/16/2025 1:41:01 PM | Peak Integrated by Software |
| SSTDICCC040 | BF143097.D | Benzoic acid | Rahul | 7/16/2025 11:43:33 AM | Jagrut | 7/16/2025 1:41:03 PM | Peak Integrated by Software |
| SSTDICCC040 | BF143097.D | Nitrobenzene-d5 | Rahul | 7/16/2025 11:43:33 AM | Jagrut | 7/16/2025 1:41:03 PM | Peak Integrated by Software |
| SSTDICCC040 | BF143097.D | Phenol | Rahul | 7/16/2025 11:43:33 AM | Jagrut | 7/16/2025 1:41:03 PM | Peak Integrated by Software |
| SSTDICC050 | BF143098.D | Phenol | Rahul | 7/16/2025 11:43:36 AM | Jagrut | 7/16/2025 1:41:06 PM | Peak Integrated by Software |
| SSTDICC060 | BF143099.D | Benzoic acid | Rahul | 7/16/2025 11:43:39 AM | Jagrut | 7/16/2025 1:41:09 PM | Peak Integrated by Software |
| SSTDICC060 | BF143099.D | Phenol | Rahul | 7/16/2025 11:43:39 AM | Jagrut | 7/16/2025 1:41:09 PM | Peak Integrated by Software |
| SSTDICC080 | BF143100.D | Phenol | Rahul | 7/16/2025 11:43:42 AM | Jagrut | 7/16/2025 1:41:12 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | BF071525 | Instrument | BNA_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDICV040 | BF143101.D | Benzoic acid | Rahul | 7/16/2025 11:43:45 AM | Jagrut | 7/16/2025 1:41:15 PM | Peak Integrated by Software |
| SSTDICV040 | BF143101.D | Nitrobenzene-d5 | Rahul | 7/16/2025 11:43:45 AM | Jagrut | 7/16/2025 1:41:15 PM | Peak Integrated by Software |
| SSTDICV040 | BF143101.D | Phenol | Rahul | 7/16/2025 11:43:45 AM | Jagrut | 7/16/2025 1:41:15 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | bf071625 | Instrument | BNA_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDCCC040 | BF143115.D | Benzoic acid | Rahul | 7/17/2025 10:01:35 AM | Jagrut | 7/17/2025 11:19:12 AM | Peak Integrated by Software |
| Q2592-02MS | BF143122.D | Caprolactam | Rahul | 7/17/2025 10:01:40 AM | Jagrut | 7/17/2025 11:19:18 AM | Peak Integrated by Software |
| Q2592-02MSD | BF143123.D | Caprolactam | Rahul | 7/17/2025 10:01:42 AM | Jagrut | 7/17/2025 11:19:20 AM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | BM070925 | Instrument | BNA_m |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDICC010 | BM050379.D | Benzaldehyde | Rahul | 7/9/2025 9:47:39 AM | Jagrut | 7/9/2025 2:15:18 PM | Peak Integrated by Software |
| SSTDICC020 | BM050380.D | Benzaldehyde | Rahul | 7/9/2025 9:47:42 AM | Jagrut | 7/9/2025 2:15:21 PM | Peak Integrated by Software |
| SSTDICCC040 | BM050381.D | Benzaldehyde | Rahul | 7/9/2025 9:47:45 AM | Jagrut | 7/9/2025 2:15:23 PM | Peak Integrated by Software |
| SSTDICC050 | BM050382.D | Benzaldehyde | Rahul | 7/9/2025 9:47:47 AM | Jagrut | 7/9/2025 2:15:25 PM | Peak Integrated by Software |
| SSTDICV040 | BM050385.D | Benzaldehyde | Rahul | 7/9/2025 9:47:50 AM | Jagrut | 7/9/2025 2:15:28 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | BM071725 | Instrument | BNA_m |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDCCC040 | BM050474.D | Acenaphthene | Rahul | 7/18/2025 11:02:25 AM | Jagrut | 7/18/2025 1:29:29 PM | Peak Integrated by Software |
| PB168885BS | BM050476.D | Caprolactam | Rahul | 7/18/2025 11:02:29 AM | Jagrut | 7/18/2025 1:29:31 PM | Peak Integrated by Software |

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF071525

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 7/16/2025 11:47:09 AM | | |
| Supervise By | Jagrut | Supervise On | 7/16/2025 1:41:28 PM | | |
| SubDirectory | BF071525 | HP Acquire Method | BNA_F | HP Processing Method | Bf071525 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12674,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BF143092.D | 15 Jul 2025 12:35 | RC/JU | Ok |
| 2 | SSTDICC2.5 | BF143093.D | 15 Jul 2025 13:04 | RC/JU | Ok |
| 3 | SSTDICC005 | BF143094.D | 15 Jul 2025 13:35 | RC/JU | Ok,M |
| 4 | SSTDICC010 | BF143095.D | 15 Jul 2025 14:05 | RC/JU | Ok,M |
| 5 | SSTDICC020 | BF143096.D | 15 Jul 2025 14:36 | RC/JU | Ok,M |
| 6 | SSTDICCC040 | BF143097.D | 15 Jul 2025 15:05 | RC/JU | Ok,M |
| 7 | SSTDICC050 | BF143098.D | 15 Jul 2025 15:35 | RC/JU | Ok,M |
| 8 | SSTDICC060 | BF143099.D | 15 Jul 2025 16:05 | RC/JU | Ok,M |
| 9 | SSTDICC080 | BF143100.D | 15 Jul 2025 16:35 | RC/JU | Ok,M |
| 10 | SSTDICV040 | BF143101.D | 15 Jul 2025 17:27 | RC/JU | Ok,M |
| 11 | PB168737BL | BF143102.D | 15 Jul 2025 17:57 | RC/JU | Ok |

M : Manual Integration

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF071625

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Rahul | Review On | 7/17/2025 11:19:37 AM | | | | |
| Supervise By | Jagrut | Supervise On | 7/17/2025 11:19:59 AM | | | | |
| SubDirectory | BF071625 | HP Acquire Method | BNA_F | | HP Processing Method | Bf071525 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12674,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BF143103.D | 16 Jul 2025 09:06 | RC/JU | Ok |
| 2 | SSTDCCC040 | BF143104.D | 16 Jul 2025 10:04 | RC/JU | Ok |
| 3 | PB168787BL | BF143105.D | 16 Jul 2025 10:34 | RC/JU | Ok |
| 4 | Q2126-02 | BF143106.D | 16 Jul 2025 11:03 | RC/JU | Ok |
| 5 | Q2126-02 | BF143107.D | 16 Jul 2025 11:37 | RC/JU | Ok |
| 6 | Q2126-08 | BF143108.D | 16 Jul 2025 12:07 | RC/JU | Ok |
| 7 | Q2126-08 | BF143109.D | 16 Jul 2025 12:36 | RC/JU | Ok |
| 8 | Q2126-01 | BF143110.D | 16 Jul 2025 13:05 | RC/JU | Ok |
| 9 | Q2126-01 | BF143111.D | 16 Jul 2025 13:35 | RC/JU | Ok |
| 10 | Q2126-07 | BF143112.D | 16 Jul 2025 14:05 | RC/JU | Ok |
| 11 | Q2126-07 | BF143113.D | 16 Jul 2025 14:35 | RC/JU | Ok |
| 12 | PB168802BL | BF143114.D | 16 Jul 2025 15:13 | RC/JU | Ok |
| 13 | SSTDCCC040 | BF143115.D | 16 Jul 2025 15:45 | RC/JU | Ok,M |
| 14 | DFTPP | BF143116.D | 16 Jul 2025 19:09 | RC/JU | Ok |
| 15 | SSTDCCC040 | BF143117.D | 16 Jul 2025 19:39 | RC/JU | Ok |
| 16 | PB168854BL | BF143118.D | 16 Jul 2025 20:09 | RC/JU | Ok |
| 17 | PB168854BS | BF143119.D | 16 Jul 2025 20:39 | RC/JU | Ok,M |
| 18 | PB168847TB | BF143120.D | 16 Jul 2025 21:09 | RC/JU | Ok |
| 19 | Q2592-02 | BF143121.D | 16 Jul 2025 21:39 | RC/JU | Ok |
| 20 | Q2592-02MS | BF143122.D | 16 Jul 2025 22:09 | RC/JU | Ok,M |
| 21 | Q2592-02MSD | BF143123.D | 16 Jul 2025 22:38 | RC/JU | Ok,M |

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**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF071625

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Rahul | Review On | 7/17/2025 11:19:37 AM | | | | |
| Supervise By | Jagrut | Supervise On | 7/17/2025 11:19:59 AM | | | | |
| SubDirectory | BF071625 | HP Acquire Method | BNA_F | | HP Processing Method | Bf071525 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12674,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q2600-02 | BF143124.D | 16 Jul 2025 23:08 | RC/JU | Ok |
| 23 | Q2600-06 | BF143125.D | 16 Jul 2025 23:37 | RC/JU | Ok |
| 24 | Q2600-10 | BF143126.D | 17 Jul 2025 00:07 | RC/JU | Ok,M |
| 25 | Q2614-06 | BF143127.D | 17 Jul 2025 00:37 | RC/JU | Ok |
| 26 | Q2605-03 | BF143128.D | 17 Jul 2025 01:05 | RC/JU | Ok |
| 27 | Q2605-04 | BF143129.D | 17 Jul 2025 01:35 | RC/JU | Ok |
| 28 | Q2571-05 | BF143130.D | 17 Jul 2025 02:04 | RC/JU | Ok |
| 29 | Q2571-05MS | BF143131.D | 17 Jul 2025 02:34 | RC/JU | Ok |
| 30 | Q2571-05MSD | BF143132.D | 17 Jul 2025 03:03 | RC/JU | Ok |
| 31 | Q2555-01 | BF143133.D | 17 Jul 2025 03:32 | RC/JU | Ok,M |
| 32 | Q2558-01 | BF143134.D | 17 Jul 2025 04:02 | RC/JU | Ok,M |
| 33 | Q2555-03 | BF143135.D | 17 Jul 2025 04:31 | RC/JU | Ok,M |
| 34 | Q2558-03 | BF143136.D | 17 Jul 2025 05:00 | RC/JU | Ok,M |
| 35 | SSTDCCC040 | BF143137.D | 17 Jul 2025 05:30 | RC/JU | Ok |

M : Manual Integration

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**Instrument ID: BNA_M**

## Daily Analysis Runlog For Sequence/QCBatch ID # BM070925

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 7/9/2025 9:48:51 AM | | |
| Supervise By | Jagrut | Supervise On | 7/9/2025 2:15:39 PM | | |
| SubDirectory | BM070925 | HP Acquire Method | BNA_M | HP Processing Method | bm070925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12673,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BM050376.D | 08 Jul 2025 11:59 | RC/JU | Ok |
| 2 | SSTDICC2.5 | BM050377.D | 08 Jul 2025 12:39 | RC/JU | Ok |
| 3 | SSTDICC005 | BM050378.D | 08 Jul 2025 13:19 | RC/JU | Ok |
| 4 | SSTDICC010 | BM050379.D | 08 Jul 2025 14:00 | RC/JU | Ok,M |
| 5 | SSTDICC020 | BM050380.D | 08 Jul 2025 14:40 | RC/JU | Ok,M |
| 6 | SSTDICCC040 | BM050381.D | 08 Jul 2025 15:20 | RC/JU | Ok,M |
| 7 | SSTDICC050 | BM050382.D | 08 Jul 2025 16:01 | RC/JU | Ok,M |
| 8 | SSTDICC060 | BM050383.D | 08 Jul 2025 16:41 | RC/JU | Ok |
| 9 | SSTDICC080 | BM050384.D | 08 Jul 2025 17:22 | RC/JU | Ok |
| 10 | SSTDICV040 | BM050385.D | 08 Jul 2025 18:05 | RC/JU | Ok,M |
| 11 | PB168722BL | BM050386.D | 08 Jul 2025 19:26 | RC/JU | Ok |

M : Manual Integration

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**Instrument ID: BNA_M**

## Daily Analysis Runlog For Sequence/QCBatch ID # BM071725

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Rahul | Review On | 7/18/2025 11:07:03 AM | | | | |
| Supervise By | Jagrut | Supervise On | 7/18/2025 1:29:43 PM | | | | |
| SubDirectory | BM071725 | HP Acquire Method | BNA_M | | HP Processing Method | bm070925 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12674,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BM050473.D | 17 Jul 2025 13:02 | RC/JU | Ok |
| 2 | SSTDCCC040 | BM050474.D | 17 Jul 2025 13:42 | RC/JU | Ok,M |
| 3 | PB168885BL | BM050475.D | 17 Jul 2025 14:57 | RC/JU | Ok |
| 4 | PB168885BS | BM050476.D | 17 Jul 2025 15:57 | RC/JU | Ok,M |
| 5 | Q2605-01 | BM050477.D | 17 Jul 2025 16:37 | RC/JU | Ok,M |
| 6 | Q2605-02 | BM050478.D | 17 Jul 2025 17:17 | RC/JU | Ok |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF071525

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 7/16/2025 11:47:09 AM | | |
| Supervise By | Jagrut | Supervise On | 7/16/2025 1:41:28 PM | | |
| SubDirectory | BF071525 | HP Acquire Method | BNA_F | HP Processing Method | Bf071525 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12674,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BF143092.D | 15 Jul 2025 12:35 | | RC/JU | Ok |
| 2 | SSTDICC2.5 | SSTDICC2.5 | BF143093.D | 15 Jul 2025 13:04 | | RC/JU | Ok |
| 3 | SSTDICC005 | SSTDICC005 | BF143094.D | 15 Jul 2025 13:35 | | RC/JU | Ok,M |
| 4 | SSTDICC010 | SSTDICC010 | BF143095.D | 15 Jul 2025 14:05 | | RC/JU | Ok,M |
| 5 | SSTDICC020 | SSTDICC020 | BF143096.D | 15 Jul 2025 14:36 | Compound#26,32,48,51,57,80,84,85 Kept on LR | RC/JU | Ok,M |
| 6 | SSTDICCC040 | SSTDICCC040 | BF143097.D | 15 Jul 2025 15:05 | Compound#54,65 Kept on QR | RC/JU | Ok,M |
| 7 | SSTDICC050 | SSTDICC050 | BF143098.D | 15 Jul 2025 15:35 | | RC/JU | Ok,M |
| 8 | SSTDICC060 | SSTDICC060 | BF143099.D | 15 Jul 2025 16:05 | | RC/JU | Ok,M |
| 9 | SSTDICC080 | SSTDICC080 | BF143100.D | 15 Jul 2025 16:35 | | RC/JU | Ok,M |
| 10 | SSTDICV040 | ICVBF071525 | BF143101.D | 15 Jul 2025 17:27 | | RC/JU | Ok,M |
| 11 | PB168737BL | PB168737BL | BF143102.D | 15 Jul 2025 17:57 | | RC/JU | Ok |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF071625

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 7/17/2025 11:19:37 AM | | |
| Supervise By | Jagrut | Supervise On | 7/17/2025 11:19:59 AM | | |
| SubDirectory | BF071625 | HP Acquire Method | BNA_F | HP Processing Method | Bf071525 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12674,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BF143103.D | 16 Jul 2025 09:06 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BF143104.D | 16 Jul 2025 10:04 | | RC/JU | Ok |
| 3 | PB168787BL | PB168787BL | BF143105.D | 16 Jul 2025 10:34 | | RC/JU | Ok |
| 4 | Q2126-02 | LOQ-SOIL-02-QT2-202 | BF143106.D | 16 Jul 2025 11:03 | LOQ-SOIL-5 PPM | RC/JU | Ok |
| 5 | Q2126-02 | LOQ-SOIL-02-QT2-202 | BF143107.D | 16 Jul 2025 11:37 | LOQ-SOIL-10 PPM | RC/JU | Ok |
| 6 | Q2126-08 | LOQ-WATER-02-QT2-2 | BF143108.D | 16 Jul 2025 12:07 | LOQ-WATER-5 PPM | RC/JU | Ok |
| 7 | Q2126-08 | LOQ-WATER-02-QT2-2 | BF143109.D | 16 Jul 2025 12:36 | LOQ-WATER-10 PPM | RC/JU | Ok |
| 8 | Q2126-01 | LOD-MDL-SOIL-03-QT | BF143110.D | 16 Jul 2025 13:05 | LOD-MDL-SOIL-4 PPM | RC/JU | Ok |
| 9 | Q2126-01 | LOD-MDL-SOIL-03-QT | BF143111.D | 16 Jul 2025 13:35 | LOD-MDL-SOIL-8 PPM | RC/JU | Ok |
| 10 | Q2126-07 | LOD-MDL-WATER-01-( | BF143112.D | 16 Jul 2025 14:05 | LOD-MDL-WATER-4 PPM | RC/JU | Ok |
| 11 | Q2126-07 | LOD-MDL-WATER-01-( | BF143113.D | 16 Jul 2025 14:35 | LOD-MDL-WATER-8 PPM | RC/JU | Ok |
| 12 | PB168802BL | PB168802BL | BF143114.D | 16 Jul 2025 15:13 | | RC/JU | Ok |
| 13 | SSTDCCC040 | SSTDCCC040EC | BF143115.D | 16 Jul 2025 15:45 | | RC/JU | Ok,M |
| 14 | DFTPP | DFTPP | BF143116.D | 16 Jul 2025 19:09 | | RC/JU | Ok |
| 15 | SSTDCCC040 | SSTDCCC040 | BF143117.D | 16 Jul 2025 19:39 | | RC/JU | Ok |
| 16 | PB168854BL | PB168854BL | BF143118.D | 16 Jul 2025 20:09 | | RC/JU | Ok |
| 17 | PB168854BS | PB168854BS | BF143119.D | 16 Jul 2025 20:39 | | RC/JU | Ok,M |
| 18 | PB168847TB | PB168847TB | BF143120.D | 16 Jul 2025 21:09 | | RC/JU | Ok |

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Fax : 908 789 8922

**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF071625

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 7/17/2025 11:19:37 AM | | |
| Supervise By | Jagrut | Supervise On | 7/17/2025 11:19:59 AM | | |
| SubDirectory | BF071625 | HP Acquire Method | BNA_F | HP Processing Method | Bf071525 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12674,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q2592-02 | WC-SOIL-20250711 | BF143121.D | 16 Jul 2025 21:39 | | RC/JU | Ok |
| 20 | Q2592-02MS | WC-SOIL-20250711MS | BF143122.D | 16 Jul 2025 22:09 | | RC/JU | Ok,M |
| 21 | Q2592-02MSD | WC-SOIL-20250711MS | BF143123.D | 16 Jul 2025 22:38 | | RC/JU | Ok,M |
| 22 | Q2600-02 | TRENCH | BF143124.D | 16 Jul 2025 23:08 | | RC/JU | Ok |
| 23 | Q2600-06 | STOCK-PILE | BF143125.D | 16 Jul 2025 23:37 | | RC/JU | Ok |
| 24 | Q2600-10 | END-OF-TRENCH | BF143126.D | 17 Jul 2025 00:07 | | RC/JU | Ok,M |
| 25 | Q2614-06 | HR-MCN-COMP-01 | BF143127.D | 17 Jul 2025 00:37 | | RC/JU | Ok |
| 26 | Q2605-03 | VB15061 | BF143128.D | 17 Jul 2025 01:05 | | RC/JU | Ok |
| 27 | Q2605-04 | V897 | BF143129.D | 17 Jul 2025 01:35 | | RC/JU | Ok |
| 28 | Q2571-05 | TP-17 | BF143130.D | 17 Jul 2025 02:04 | | RC/JU | Ok |
| 29 | Q2571-05MS | TP-17MS | BF143131.D | 17 Jul 2025 02:34 | | RC/JU | Ok |
| 30 | Q2571-05MSD | TP-17MSD | BF143132.D | 17 Jul 2025 03:03 | | RC/JU | Ok |
| 31 | Q2555-01 | OU4-TS-29-070925 | BF143133.D | 17 Jul 2025 03:32 | | RC/JU | Ok,M |
| 32 | Q2558-01 | OU4-TS-Denali-070925 | BF143134.D | 17 Jul 2025 04:02 | | RC/JU | Ok,M |
| 33 | Q2555-03 | OU4-TS-30-070925 | BF143135.D | 17 Jul 2025 04:31 | | RC/JU | Ok,M |
| 34 | Q2558-03 | OU4-TS-Grillo-OG-070 | BF143136.D | 17 Jul 2025 05:00 | | RC/JU | Ok,M |
| 35 | SSTDCCC040 | SSTDCCC040EC | BF143137.D | 17 Jul 2025 05:30 | | RC/JU | Ok |

M : Manual Integration

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**Instrument ID:** BNA_M

## Daily Analysis Runlog For Sequence/QCBatch ID # BM070925

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 7/9/2025 9:48:51 AM | | |
| Supervise By | Jagrut | Supervise On | 7/9/2025 2:15:39 PM | | |
| SubDirectory | BM070925 | HP Acquire Method | BNA_M | HP Processing Method | bm070925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12673,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BM050376.D | 08 Jul 2025 11:59 | | RC/JU | Ok |
| 2 | SSTDICC2.5 | SSTDICC2.5 | BM050377.D | 08 Jul 2025 12:39 | | RC/JU | Ok |
| 3 | SSTDICC005 | SSTDICC005 | BM050378.D | 08 Jul 2025 13:19 | | RC/JU | Ok |
| 4 | SSTDICC010 | SSTDICC010 | BM050379.D | 08 Jul 2025 14:00 | | RC/JU | Ok,M |
| 5 | SSTDICC020 | SSTDICC020 | BM050380.D | 08 Jul 2025 14:40 | | RC/JU | Ok,M |
| 6 | SSTDICCC040 | SSTDICCC040 | BM050381.D | 08 Jul 2025 15:20 | Compound#32,54,57,62,65 Kept on LR | RC/JU | Ok,M |
| 7 | SSTDICC050 | SSTDICC050 | BM050382.D | 08 Jul 2025 16:01 | | RC/JU | Ok,M |
| 8 | SSTDICC060 | SSTDICC060 | BM050383.D | 08 Jul 2025 16:41 | | RC/JU | Ok |
| 9 | SSTDICC080 | SSTDICC080 | BM050384.D | 08 Jul 2025 17:22 | Compound#09 removed from 80 ppm | RC/JU | Ok |
| 10 | SSTDICV040 | ICVBM070925 | BM050385.D | 08 Jul 2025 18:05 | Comp#77 Failed from High side | RC/JU | Ok,M |
| 11 | PB168722BL | PB168722BL | BM050386.D | 08 Jul 2025 19:26 | | RC/JU | Ok |

M : Manual Integration

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Fax : 908 789 8922

**Instrument ID:** BNA_M

## Daily Analysis Runlog For Sequence/QCBatch ID # BM071725

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 7/18/2025 11:07:03 AM | | |
| Supervise By | Jagrut | Supervise On | 7/18/2025 1:29:43 PM | | |
| SubDirectory | BM071725 | HP Acquire Method | BNA_M | HP Processing Method | bm070925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840 |
| CCC | SP6836 |
| Internal Standard/PEM | S12674,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BM050473.D | 17 Jul 2025 13:02 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BM050474.D | 17 Jul 2025 13:42 | | RC/JU | Ok,M |
| 3 | PB168885BL | PB168885BL | BM050475.D | 17 Jul 2025 14:57 | | RC/JU | Ok |
| 4 | PB168885BS | PB168885BS | BM050476.D | 17 Jul 2025 15:57 | | RC/JU | Ok,M |
| 5 | Q2605-01 | V908 | BM050477.D | 17 Jul 2025 16:37 | | RC/JU | Ok,M |
| 6 | Q2605-02 | VB16135 | BM050478.D | 17 Jul 2025 17:17 | | RC/JU | Ok |

M : Manual Integration

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## TCLP EXTRACTION LOGPAGE

PB168847

**SOP ID :** M1311-TCLP-16

**SDG No :** N/A

**Weigh By :** JP

**Balance ID :** WC SC-7

**pH Meter ID :** WC PH METER-1

**Extraction By :** JP

**Filter By :** JP

**Pippete ID :** WC

**Tumbler ID :** T-1 / T-2

**TCLP Filter ID :** 115525

**Start Prep Date :** 07/15/2025 **Time :** 15:30

**End Prep Date :** 07/16/2025 **Time :** 08:15

**Combination Ratio :** 20

**ZHE Cleaning Batch :** ~~N/A~~ 18

**Initial Room Temperature:** 23 °C

**Final Room Temperature:** 22 °C

**TCLP Technician Signature :** JP

**Supervisor By :** JP

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE U | Lot Number |
|---|---|---|
| TCLP-FLUID-1 | N/A | WP112804 |
| HCL-TCLP,1N | N/A | WP112797 |
| HNO3-TCLP,1N | N/A | WP112799 |
| pH Strips | N/A | W1931,W1934,W3171,W3172 |
| pH Strips | W1940,W1941,W1942 | W3166,W1938,W1939, |
| 1 Liter Amber | N/A | 90924-08 |
| 120ml Plastic bottle | N/A | 2738 |
| 1:1 HNO3 | N/A | MP84041 |

**Extraction Conformance/Non-Conformance Comments:**

MATRIX SPIKES are added after fiftration and before preservation. TUMBLER T-1 / T-2 checked,30 rpm. Particle size reduction is not required. Q2614-06 IS USED FOR MS-MSD.

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 07/16/25 10:00 | JP Tech Room | SLG. RJ / T.T. |
| | Preparation Group | Analysis Group INST. MS |

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**TCLP EXTRACTION LOGPAGE**

PB168847

| Sample ID | ClientID | TCLP Vessel ID | Sample Wt (g) | Volume Extraction Fluid #1 (mL) | Multi phasic | Phase Miscible | Phases Combined | Final Leachate PH | Metals Leachate Adj. PH | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| PB168847TB | LEB847 | 12 | N/A | 2000 | N/A | N/A | N/A | 4.95 | 1.5 | T-2 |
| Q2592-02 | WC-SOIL-20250711 | 01 | 100.02 | 2000 | N/A | N/A | N/A | 4.0 | 1.0 | T-1 |
| Q2600-02 | TRENCH | 02 | 100.03 | 2000 | N/A | N/A | N/A | 5.6 | 1.5 | T-1 |
| Q2600-06 | STOCK-PILE | 03 | 100.02 | 2000 | N/A | N/A | N/A | 5.6 | 1.0 | T-1 |
| Q2600-10 | END-OF-TRENCH | 04 | 100.03 | 2000 | N/A | N/A | N/A | 5.5 | 1.0 | T-1 |
| Q2605-01 | V908 | 05 | 100.02 | 2000 | N/A | N/A | N/A | 6.6 | 1.5 | T-1 |
| Q2605-02 | VB16135 | 06 | 100.02 | 2000 | N/A | N/A | N/A | 6.2 | 1.0 | T-1 |
| Q2605-03 | VB15061 | 07 | 100.03 | 2000 | N/A | N/A | N/A | 6.6 | 1.5 | T-1 |
| Q2605-04 | V897 | 08 | 100.02 | 2000 | N/A | N/A | N/A | 7.0 | 1.0 | T-1 |
| Q2609-02 | 710-ABC | 09 | 100.03 | 2000 | N/A | N/A | N/A | 5.6 | 1.5 | T-1 |
| Q2609-06 | 709-AB | 10 | 100.02 | 2000 | N/A | N/A | N/A | 5.0 | 1.0 | T-1 |
| Q2614-06 | HR-MCN-COMP-01 | 11 | 100.03 | 2000 | N/A | N/A | N/A | 5.6 | 1.5 | T-2 |

| SampleID | ClientID | Sample Weight (g) | Filter Weight (g) | Filtrate (mL) | Filter + Solid (After 100°C) | % solids | % Dry Solids |
|---|---|---|---|---|---|---|---|
| PB168847TB | LEB847 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2592-02 | WC-SOIL-20250711 | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2600-02 | TRENCH | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2600-06 | STOCK-PILE | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2600-10 | END-OF-TRENCH | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2605-01 | V908 | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2605-02 | VB16135 | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2605-03 | VB15061 | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2605-04 | V897 | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2609-02 | 710-ABC | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2609-06 | 709-AB | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2614-06 | HR-MCN-COMP-01 | N/A | N/A | N/A | N/A | 100 | N/A |

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**TCLP Fluid Determination**

PB168847

**Hot Block ID :** WC S-1 / WC S-2

**Thermometer ID :** FLASHPOINT

| SampleID | ClientID | Sample Weight (g) | Volume DI Water (mL) | PH after 5 min stir | PH after 10 min stir | Extraction Fluid 1 or 2 | pH Extraction Fluid |
|---|---|---|---|---|---|---|---|
| PB168847TB | LEB847 | N/A | N/A | N/A | N/A | #1 | 4.95 |
| Q2592-02 | WC-SOIL-20250711 | 5.02 | 96.5 | 7.0 | 2.5 | #1 | 4.95 |
| Q2600-02 | TRENCH | 5.01 | 96.5 | 7.6 | 2.5 | #1 | 4.95 |
| Q2600-06 | STOCK-PILE | 5.02 | 96.5 | 7.6 | 2.5 | #1 | 4.95 |
| Q2600-10 | END-OF-TRENCH | 5.03 | 96.5 | 7.2 | 2.0 | #1 | 4.95 |
| Q2605-01 | V908 | 5.02 | 96.5 | 8.6 | 3.5 | #1 | 4.95 |
| Q2605-02 | VB16135 | 5.03 | 96.5 | 9.0 | 4.0 | #1 | 4.95 |
| Q2605-03 | VB15061 | 5.03 | 96.5 | 9.0 | 4.0 | #1 | 4.95 |
| Q2605-04 | V897 | 5.02 | 96.5 | 9.3 | 4.5 | #1 | 4.95 |
| Q2609-02 | 710-ABC | 5.03 | 96.5 | 7.2 | 3.0 | #1 | 4.95 |
| Q2609-06 | 709-AB | 5.02 | 96.5 | 6.2 | 2.5 | #1 | 4.95 |
| Q2614-06 | HR-MCN-COMP-01 | 5.01 | 96.5 | 7.6 | 2.5 | #1 | 4.95 |

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** tclp q2600 **WorkList ID :** 190734 **Department :** TCLP Extraction **Date :** 07-15-2025 11:56:15

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q2592-02 | WC-SOIL-20250711 | Solid | TCLP Extraction | Cool 4 deg C | PARS02 | D51 | 07/11/2025 | 1311 |
| Q2600-02 | TRENCH | Solid | TCLP Extraction | Cool 4 deg C | TACO01 | D41 | 07/14/2025 | 1311 |
| Q2600-06 | STOCK-PILE | Solid | TCLP Extraction | Cool 4 deg C | TACO01 | D41 | 07/14/2025 | 1311 |
| Q2600-10 | END-OF-TRENCH | Solid | TCLP Extraction | Cool 4 deg C | TACO01 | D41 | 07/14/2025 | 1311 |
| Q2605-01 | V908 | Solid | TCLP Extraction | Cool 4 deg C | PSEG03 | D41 | 07/15/2025 | 1311 |
| Q2605-02 | VB16135 | Solid | TCLP Extraction | Cool 4 deg C | PSEG03 | D41 | 07/15/2025 | 1311 |
| Q2605-03 | VB15061 | Solid | TCLP Extraction | Cool 4 deg C | PSEG03 | D41 | 07/15/2025 | 1311 |
| Q2605-04 | V897 | Solid | TCLP Extraction | Cool 4 deg C | PSEG03 | D41 | 07/15/2025 | 1311 |
| Q2609-02 | 710-ABC | Solid | TCLP Extraction | Cool 4 deg C | PSEG03 | D41 | 07/15/2025 | 1311 |
| Q2609-06 | 709-ABC | Solid | TCLP Extraction | Cool 4 deg C | PSEG03 | D41 | 07/15/2025 | 1311 |
| Q2614-06 | HR-MCN-COMP-01 | Solid | TCLP Extraction | Cool 4 deg C | PSEG03 | D41 | 07/15/2025 | 1311 |

**Date/Time** 07.15.25 15:20
**Raw Sample Received by:**
**Raw Sample Relinquished by:** SM

**Date/Time** 07.15.25 17:30
**Raw Sample Received by:** SM
**Raw Sample Relinquished by:**

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

PB168885

| | | | | | |
|---|---|---|---|---|---|
| **SOP ID:** | M3510C,3580A-Extraction SVOC-21 | | | | |
| **Clean Up SOP #:** | N/A | | | **Extraction Start Date :** | 07/16/2025 |
| **Matrix :** | Water | | | **Extraction Start Time :** | 10:14 |
| **Weigh By:** | N/A | **Extraction By:** | RS | **Extraction End Date :** | 07/16/2025 |
| **Balance check:** | N/A | **Filter By:** | RJ | **Extraction End Time :** | 15:15 |
| **Balance ID:** | N/A | **pH Meter ID:** | N/A | **Concentration By:** | EH |
| **pH Strip Lot#:** | E3880 | **Hood ID:** | 4,5,6,7 | **Supervisor By :** | RUPESH |

**Extraction Method:** [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

| Standared Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---|---|---|---|
| Spike Sol 1 | 1.0ML | 50/100 PPM | SP6849 |
| Surrogate | 1.0ML | 100/150 PPM | SP6754 |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| Methylene Chloride | N/A | E3954 |
| Baked Na2SO4 | N/A | EP2625 |
| H2SO4 1:1 | N/A | EP2610 |
| 10N NaoH | N/A | EP2609 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

**Extraction Conformance/Non-Conformance Comments:**

pH Adjusted to < 2 with 1:1 H2SO4 & >12 with 10N NaOH , 1.5ML Vial Lot # 2210443.

| | | | |
|---|---|---|---|
| **KD Bath ID:** | WATER BATH-1,2 | **Envap ID:** | NE VAP-02 |
| **KD Bath Temperature:** | 60 °C | **Envap Temperature:** | 40 °C |

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 7/16/25 | RS (GC4-Lab) | RC/SVOC |
| 15:20 | **Preparation Group** | **Analysis Group** |

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**EXTRACTION LOGPAGE**

**PrepBatch ID : PB168885**

**Analytical Method:** M3510C,3580A-Extraction SVOC-21 **Concentration Date:** 07/16/2025

| Sample ID | Client Sample ID | Test | g / mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB168847TB | PB168847TB | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | | | SEP-1 |
| PB168885BL | PB168885BL | TCLP BNA | 1000 | 6 | RUPESH | ritesh | 1 | | | 2 |
| PB168885BS | PB168885BS | TCLP BNA | 1000 | 6 | RUPESH | ritesh | 1 | | | 3 |
| Q2592-02 | WC-SOIL-20250711 | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | A | | 4 |
| Q2592-02MS | WC-SOIL-20250711MS | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | A | | 5 |
| Q2592-02MSD | WC-SOIL-20250711MSD | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | A | | 6 |
| Q2600-02 | TRENCH | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | A | | 7 |
| Q2600-06 | STOCK-PILE | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | A | | 8 |
| Q2600-10 | END-OF-TRENCH | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | A | | 9 |
| Q2605-01 | V908 | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | A | | 10 |
| Q2605-02 | VB16135 | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | A | | 11 |
| Q2605-03 | VB15061 | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | A | | 12 |
| Q2605-04 | V897 | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | A | | 13 |
| Q2614-06 | HR-MCN-COMP-01 | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | A | | 14 |

RS 7/16

* **Extracts relinquished on the same date as received.**

Alliance TECHNICAL GROUP

**TCLP EXTRACTION LOGPAGE**

PB168847

| Sample ID | ClientID | TCLP Vessel ID | Sample Wt (g) | Volume Extraction Fluid #1 (mL) | Multi phasic | Phase Miscible | Phases Combined | Final Leachate PH | Metals Leachate Adj. PH | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| PB168847TB | LEB847 | 12 | N/A | 2000 | N/A | N/A | N/A | 4.95 | 1.5 | T-2 |
| Q2592-02 | WC-SOIL-20250711 | 01 | 100.02 | 2000 | N/A | N/A | N/A | 4.0 | 1.0 | T-1 |
| Q2600-02 | TRENCH | 02 | 100.03 | 2000 | N/A | N/A | N/A | 5.6 | 1.5 | T-1 |
| Q2600-06 | STOCK-PILE | 03 | 100.02 | 2000 | N/A | N/A | N/A | 5.6 | 1.0 | T-1 |
| Q2600-10 | END-OF-TRENCH | 04 | 100.03 | 2000 | N/A | N/A | N/A | 5.5 | 1.0 | T-1 |
| Q2605-01 | V908 | 05 | 100.02 | 2000 | N/A | N/A | N/A | 6.6 | 1.5 | T-1 |
| Q2605-02 | VB16135 | 06 | 100.02 | 2000 | N/A | N/A | N/A | 6.2 | 1.0 | T-1 |
| Q2605-03 | VB15061 | 07 | 100.03 | 2000 | N/A | N/A | N/A | 6.6 | 1.5 | T-1 |
| Q2605-04 | V897 | 08 | 100.02 | 2000 | N/A | N/A | N/A | 7.0 | 1.0 | T-1 |
| Q2609-02 | 710-ABC | 09 | 100.03 | 2000 | N/A | N/A | N/A | 5.6 | 1.5 | T-1 |
| Q2609-06 | 709-AB | 10 | 100.02 | 2000 | N/A | N/A | N/A | 5.0 | 1.0 | T-1 |
| Q2614-06 | HR-MCN-COMP-01 | 11 | 100.03 | 2000 | N/A | N/A | N/A | 5.6 | 1.5 | T-2 |

07/16/25
10:00

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

# Prep Standard - Chemical Standard Summary

**Order ID :** Q2592

**Test :** TCLP BNA

**Prepbatch ID :** PB168885,

**Sequence ID/Qc Batch ID:** BF071625,BM071725,

**Standard ID :**
EP2609,EP2610,EP2625,SP6754,SP6757,SP6769,SP6770,SP6832,SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840,SP6849,

**Chemical ID :**
10ul/1000ul sample,E3551,E3657,E3902,E3904,E3926,E3932,E3942,E3954,M6157,S10105,S11484,S11496,S11651,S11788,S11801,S11802,S11805,S11806,S11807,S12115,S12190,S12191,S12192,S12193,S12194,S12195,S12209,S12210,S12211,S12212,S12213,S12214,S12215,S12216,S12272,S12277,S12278,S12486,S12499,S12500,S12501,S12502,S12503,S12504,S12505,S12506,S12507,S12534,S12545,S12546,S12547,S12548,S12549,S12550,S12551,S12552,S12577,S12658,S12670,S12674,S12974,S12987,S12988,S12989,S12990,S12991,S12992,S13057,S13078,S13088,S13089,S13148,S13158,S13159,S13206,S13208,S13209,S13210,S13211,W3112,

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Fax : 908 789 8922

# Extractions STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1874 | 10 N SODIUM HYDROXIDE SOLN | EP2609 | 05/07/2025 | 11/07/2025 | RUPESHKUMAR SHAH | Extraction_SCALE_2 (EX-SC-2) | None | Riteshkumar Patel 05/07/2025 |

**FROM** 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 314 | 1.1 H2SO4 SOLN | EP2610 | 05/07/2025 | 11/07/2025 | RUPESHKUMAR SHAH | Extraction_SCALE_2 (EX-SC-2) | None | Riteshkumar Patel 05/07/2025 |

**FROM** 1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

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# Extractions STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3923 | Baked Sodium Sulfate | EP2625 | 07/15/2025 | 12/04/2025 | RUPESHKUMAR SHAH | Extraction_SCALE_2 (EX-SC-2) | None | Riteshkumar Patel 07/15/2025 |

**FROM** 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 19 | 8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID | SP6754 | 03/18/2025 | 09/18/2025 | Rahul Chavli | None | None | Jagrut Upadhyay 04/03/2025 |

**FROM** 1930.00000ml of E3902 + 2.60000ml of S12216 + 2.70000ml of S12195 + 5.20000ml of S12210 + 5.30000ml of S12192 + 5.30000ml of S12194 + 5.30000ml of S12209 + 5.30000ml of S12211 + 5.30000ml of S12212 + 5.30000ml of S12213 + 5.40000ml of S12190 + 5.40000ml of S12214 + 5.60000ml of S12191 + 5.60000ml of S12215 + 5.70000ml of S12193 = Final Quantity: 2000.000 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3895 | 50 ug/ml DFTPP 8270E | SP6757 | 03/31/2025 | 09/30/2025 | Rahul Chavli | None | None | Jagrut Upadhyay 04/01/2025 |

**FROM** 1.00000ml of S12577 + 19.00000ml of E3904 = Final Quantity: 20.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 18 | Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP) | SP6769 | 04/10/2025 | 09/10/2025 | Jagrut Upadhyay | None | None | Sohil Jodhani 04/16/2025 |

**FROM** 0.04000ml of S12195 + 0.08000ml of S12216 + 0.10000ml of S11788 + 0.20000ml of S12486 + 0.20000ml of S12534 + 0.20000ml of S12974 + 1.18000ml of E3926 = Final Quantity: 2.000 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 416 | 40 ng BNA ICV, 40 PPM | SP6770 | 04/10/2025 | 09/10/2025 | Jagrut Upadhyay | None | None | Sohil Jodhani 04/16/2025 |

**FROM** 0.01000ml of S12658 + 0.60000ml of E3926 + 0.40000ml of SP6769 = Final Quantity: 1.010 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 4178 | 8270/625.1 Stock Solution-2 100 ng | SP6832 | 06/19/2025 | 10/28/2025 | Jagrut Upadhyay | None | None | Rahul Chavli 07/21/2025 |

**FROM** 0.20000ml of S13211 + 0.26700ml of S10105 + 0.40000ml of S11496 + 0.40000ml of S12278 + 0.50000ml of S12115 + 0.50000ml of S13209 + 0.50000ml of S13210 + 0.60000ml of S12277 + 1.00000ml of S12272 + 1.00000ml of S13057 + 1.00000ml of S13078 + 1.00000ml of S13208 + 2.63300ml of E3942 = Final Quantity: 10.000 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 4179 | 80 ng BNA ICC | SP6833 | 06/19/2025 | 10/28/2025 | Jagrut Upadhyay | None | None | Rahul Chavli 07/21/2025 |

**FROM** 0.01000ml of S12670 + 0.20000ml of E3942 + 0.80000ml of SP6832 = Final Quantity: 1.010 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 4180 | 60 ng BNA ICC | SP6834 | 06/19/2025 | 10/28/2025 | Jagrut Upadhyay | None | None | Rahul Chavli 07/21/2025 |

**FROM** 0.01000ml of S12670 + 0.40000ml of E3942 + 0.60000ml of SP6832 = Final Quantity: 1.010 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 4181 | 50 ng BNA ICC | SP6835 | 06/19/2025 | 10/28/2025 | Jagrut Upadhyay | None | None | Rahul Chavli 07/21/2025 |

**FROM** 0.01000ml of S12670 + 0.50000ml of E3942 + 0.50000ml of SP6832 = Final Quantity: 1.010 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 4182 | 40 ng BNA ICC | SP6836 | 06/19/2025 | 10/28/2025 | Jagrut Upadhyay | None | None | Rahul Chavli 07/21/2025 |

**FROM** 0.01000ml of S12670 + 0.60000ml of E3942 + 0.40000ml of SP6832 = Final Quantity: 1.010 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 4183 | 20 ng BNA ICC | SP6837 | 06/19/2025 | 10/28/2025 | Jagrut Upadhyay | None | None | Rahul Chavli 07/21/2025 |

**FROM** 0.01000ml of S12670 + 0.80000ml of E3942 + 0.20000ml of SP6832 = Final Quantity: 1.010 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 4184 | 10 ng BNA ICC | SP6838 | 06/19/2025 | 10/28/2025 | Jagrut Upadhyay | None | None | Rahul Chavli 07/21/2025 |

**FROM** 0.01000ml of S12670 + 0.90000ml of E3942 + 0.10000ml of SP6832 = Final Quantity: 1.010 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 4185 | 5 ng BNA ICC | SP6839 | 06/19/2025 | 10/28/2025 | Jagrut Upadhyay | None | None | Rahul Chavli 07/21/2025 |

**FROM** 0.01000ml of S12670 + 0.95000ml of E3942 + 0.05000ml of SP6832 = Final Quantity: 1.010 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 4186 | 2.5 ng BNA ICC | SP6840 | 06/19/2025 | 10/28/2025 | Jagrut Upadhyay | None | None | Rahul Chavli 07/21/2025 |

**FROM** 0.01000ml of S12670 + 0.50000ml of E3942 + 0.50000ml of SP6839 = Final Quantity: 1.010 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 171 | 8270/625 Spike Solution, 50/100 PPM | SP6849 | 07/01/2025 | 09/30/2025 | Rahul Chavli | None | None | Jagrut Upadhyay 07/01/2025 |

**FROM** 0.10000ml of S12507 + 0.10000ml of S13159 + 0.30000ml of S13158 + 0.40000ml of S11484 + 0.40000ml of S11651 + 0.40000ml of S11806 + 0.40000ml of S11807 + 0.40000ml of S13148 + 0.40000ml of S13206 + 0.60000ml of S13089 + 0.80000ml of S12499 + 0.90000ml of S12552 + 1.20000ml of S12504 + 1.20000ml of S12506 + 1.20000ml of S12546 + 1.30000ml of S11802 + 1.30000ml of S12501 + 1.30000ml of S12503 + 1.30000ml of S12505 + 1.30000ml of S12545 + 1.30000ml of S12547 + 1.30000ml of S12549 + 1.30000ml of S12550 + 1.30000ml of S12551 + 1.30000ml of S12988 + 1.30000ml of S12989 + 1.30000ml of S12990 + 1.30000ml of S12992 + 1.40000ml of S11805 + 1.40000ml of S12500 + 1.40000ml of S12502 + 1.40000ml of S12548 + 1.40000ml of S12987 + 1.40000ml of S12991 + 1.40000ml of S13088 + 1.50000ml of S11801 + 163.00000ml of E3932 = Final Quantity: 200.000 ml

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| PCI Scientific Supply, Inc. | PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1 | 313201 | 12/04/2025 | 01/03/2024 / Rajesh | 07/20/2023 / Rajesh | E3551 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| PCI Scientific Supply, Inc. | PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4 | 23B1556310 | 12/31/2025 | 12/04/2023 / Rajesh | 12/01/2023 / Rajesh | E3657 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H2762008 | 09/18/2025 | 03/18/2025 / RUPESH | 02/12/2025 / RUPESH | E3902 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L) | 24K1762005 | 01/07/2026 | 03/13/2025 / | 12/27/2024 / RUPESH | E3904 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L) | 25A0262002 | 10/08/2025 | 04/08/2025 / Rajesh | 02/07/2025 / Rajesh | E3926 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H1462005 | 11/05/2025 | 05/05/2025 / RUPESH | 04/23/2025 / RUPESH | E3932 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L) | 25A2862010 | 12/13/2025 | 06/13/2025 / Rajesh | 02/28/2025 / Rajesh | E3942 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L) | 25B1862001 | 03/19/2026 | 07/14/2025 / RUPESH | 06/11/2025 / RUPESH | E3954 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L) | 24i1262013 | 11/07/2025 | 05/07/2025 / RUPESH | 02/18/2025 / Mohan | M6157 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml | 440246 | 12/19/2025 | 06/19/2025 / Jagrut | 12/09/2021 / Christian | S10105 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3] | A0200549 | 10/30/2025 | 04/30/2025 / Rahul | 08/10/2023 / yogesh | S11484 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml | 506889 | 10/28/2025 | 04/28/2025 / Jagrut | 08/11/2023 / Yogesh | S11496 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555872 / Custom Standard, pentachlorophenol Std [CS 5328-5] | A0201728 | 01/01/2026 | 07/01/2025 / Rahul | 11/09/2023 / Yogesh | S11651 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride | A0196453 | 09/10/2025 | 03/10/2025 / anahy | 11/21/2023 / Rahul | S11788 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride | A0200655 | 01/01/2026 | 07/01/2025 / Rahul | 11/21/2023 / rahul | S11801 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride | A0200655 | 01/01/2026 | 07/01/2025 / Rahul | 11/21/2023 / rahul | S11802 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride | A0200655 | 01/01/2026 | 07/01/2025 / Rahul | 11/21/2023 / rahul | S11805 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride | A0200655 | 12/04/2025 | 06/04/2025 / Jagrut | 11/21/2023 / rahul | S11806 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride | A0200655 | 01/01/2026 | 07/01/2025 / Rahul | 11/21/2023 / rahul | S11807 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml | 454157 | 10/28/2025 | 04/28/2025 / Jagrut | 03/08/2024 / Rahul | S12115 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul | A0206206 | 09/18/2025 | 03/18/2025 / anahy | 03/15/2024 / Rahul | S12190 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul | A0206206 | 09/18/2025 | 03/18/2025 / anahy | 03/15/2024 / Rahul | S12191 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul | A0206206 | 09/18/2025 | 03/18/2025 / anahy | 03/15/2024 / Rahul | S12192 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul | A0206206 | 09/18/2025 | 03/18/2025 / anahy | 03/15/2024 / Rahul | S12193 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul | A0206206 | 09/18/2025 | 03/18/2025 / anahy | 03/15/2024 / Rahul | S12194 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul | A0206206 | 09/18/2025 | 03/18/2025 / anahy | 03/15/2024 / Rahul | S12195 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0206381 | 09/18/2025 | 03/18/2025 / anahy | 03/15/2024 / Rahul | S12209 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0206381 | 09/18/2025 | 03/18/2025 / anahy | 03/15/2024 / Rahul | S12210 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0206381 | 09/18/2025 | 03/18/2025 / anahy | 03/15/2024 / Rahul | S12211 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0206381 | 09/18/2025 | 03/18/2025 / anahy | 03/15/2024 / Rahul | S12212 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0206381 | 09/18/2025 | 03/18/2025 / anahy | 03/15/2024 / Rahul | S12213 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0206381 | 09/18/2025 | 03/18/2025 / anahy | 03/15/2024 / Rahul | S12214 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0206381 | 09/18/2025 | 03/18/2025 / anahy | 03/15/2024 / Rahul | S12215 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0206381 | 09/18/2025 | 03/18/2025 / anahy | 03/15/2024 / Rahul | S12216 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml | 520963 | 12/03/2025 | 06/03/2025 / Jagrut | 05/24/2024 / Rahul | S12272 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days) | 495833 | 11/05/2025 | 05/05/2025 / Jagrut | 05/24/2024 / Rahul | S12277 |

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Fax : 908 789 8922

# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days) | 495833 | 12/19/2025 | 06/19/2025 / Jagrut | 05/24/2024 / Rahul | S12278 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 09/10/2025 | 03/10/2025 / anahy | 07/23/2024 / RAHUL | S12486 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 01/01/2026 | 07/01/2025 / Rahul | 07/23/2024 / RAHUL | S12499 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 01/01/2026 | 07/01/2025 / Rahul | 07/23/2024 / RAHUL | S12500 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 01/01/2026 | 07/01/2025 / Rahul | 07/23/2024 / RAHUL | S12501 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 01/01/2026 | 07/01/2025 / Rahul | 07/23/2024 / RAHUL | S12502 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 01/01/2026 | 07/01/2025 / Rahul | 07/23/2024 / RAHUL | S12503 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 01/01/2026 | 07/01/2025 / Rahul | 07/23/2024 / RAHUL | S12504 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 01/01/2026 | 07/01/2025 / Rahul | 07/23/2024 / RAHUL | S12505 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 01/01/2026 | 07/01/2025 / Rahul | 07/23/2024 / RAHUL | S12506 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1] | A0214021 | 01/01/2026 | 07/01/2025 / Rahul | 07/23/2024 / RAHUL | S12507 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 10/10/2025 | 04/10/2025 / Jagrut | 07/23/2024 / RAHUL | S12534 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 12/04/2025 | 06/04/2025 / Jagrut | 07/23/2024 / RAHUL | S12545 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 01/01/2026 | 07/01/2025 / Rahul | 07/23/2024 / RAHUL | S12546 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 01/01/2026 | 07/01/2025 / Rahul | 07/23/2024 / RAHUL | S12547 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 01/01/2026 | 07/01/2025 / Rahul | 07/23/2024 / RAHUL | S12548 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 01/01/2026 | 07/01/2025 / Rahul | 07/23/2024 / RAHUL | S12549 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 01/01/2026 | 07/01/2025 / Rahul | 07/23/2024 / RAHUL | S12550 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 01/01/2026 | 07/01/2025 / Rahul | 07/23/2024 / RAHUL | S12551 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 01/01/2026 | 07/01/2025 / Rahul | 07/23/2024 / RAHUL | S12552 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL, | A0212955 | 06/30/2027 | 03/31/2025 / Rahul | 08/01/2024 / Rahul | S12577 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL | A0212266 | 04/30/2030 | 04/07/2025 / anahy | 09/20/2024 / anahy | S12658 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL | A0212266 | 12/16/2025 | 06/16/2025 / anahy | 09/20/2024 / anahy | S12670 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL | A0212266 | 01/15/2026 | 07/15/2025 / Rahul | 09/20/2024 / anahy | S12674 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0219438 | 09/10/2025 | 03/10/2025 / anahy | 12/11/2024 / anahy | S12974 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0219438 | 09/30/2025 | 07/01/2025 / Rahul | 12/11/2024 / anahy | S12987 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0219438 | 09/30/2025 | 07/01/2025 / Rahul | 12/11/2024 / anahy | S12988 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0219438 | 09/30/2025 | 07/01/2025 / Rahul | 12/11/2024 / anahy | S12989 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0219438 | 09/30/2025 | 07/01/2025 / Rahul | 12/11/2024 / anahy | S12990 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0219438 | 09/30/2025 | 07/01/2025 / Rahul | 12/11/2024 / anahy | S12991 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0219438 | 09/30/2025 | 07/01/2025 / Rahul | 12/11/2024 / anahy | S12992 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days) | 531243 | 12/19/2025 | 06/19/2025 / Jagrut | 01/16/2025 / anahy | S13057 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days) | 525551 | 11/05/2025 | 05/05/2025 / Jagrut | 03/10/2025 / anahy | S13078 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0221014 | 11/30/2025 | 07/01/2025 / Rahul | 05/20/2025 / Rahul | S13088 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0221014 | 11/30/2025 | 07/01/2025 / Rahul | 05/20/2025 / Rahul | S13089 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2] | A0201702 | 12/03/2025 | 06/03/2025 / Jagrut | 11/13/2023 / Rahul | S13148 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4] | A0226283 | 12/04/2025 | 06/04/2025 / Jagrut | 06/04/2025 / Rahul | S13158 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4] | A0226283 | 01/01/2026 | 07/01/2025 / Rahul | 06/04/2025 / Rahul | S13159 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555868 / Custom Standard, Benzidine Std [CS 5328-1] | A0226493 | 01/01/2026 | 07/01/2025 / Rahul | 06/11/2025 / anahy | S13206 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 70434 / Acetophenone, Single compound solution, 1000 PPM | 121622 | 12/19/2025 | 06/19/2025 / Rahul | 06/19/2025 / Rahul | S13208 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 91126 / Benzoic acid 2000 ug/mL | 060625 | 12/19/2025 | 06/19/2025 / Rahul | 06/19/2025 / Rahul | S13209 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 90495 / 1,1-Biphenyl 2000 ug/mL | 042325 | 12/19/2025 | 06/19/2025 / Rahul | 06/19/2025 / Rahul | S13210 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 34571 / 1,2,4,5-Tetrachlorobenzene 5000 ug/mL | 092324 | 12/19/2025 | 06/19/2025 / Rahul | 06/19/2025 / Rahul | S13211 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | DIW / DI Water | Daily Lab-Certified | 07/03/2029 | 07/03/2024 / Iwona | 07/03/2024 / Iwona | W3112 |

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

# Certificate of Analysis

Rev 0 

| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-112090-04 | 440246 | ≤ -10 °C | Methylene Chloride | 2/16/2026 | CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| 2-chlorophenol-$d_4$ | 93951-73-6 | 99.3 | 248.12.7P | 7487 ± 17.2 |
| 2-fluorophenol | 367-12-4 | 99.8 | 10.7.3.3P | 7513 ± 17.26 |
| phenol-d6 | 13127-88-3 | 99.9 | 949.120.8P | 7481 ± 17.19 |
| 2,4,6-tribromophenol | 118-79-6 | 99.8 | 12.1.6P | 7469 ± 17.17 |

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione
Erica Castiglione
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

# CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| PRODUCT : | SODIUM SULFATE CRYSTALS ANHYDROUS | | |
| QUALITY : | ACS (CODE RMB3375) | FORMULA : | $Na_2SO_4$ |
| SPECIFICATION NUMBER : | 6399 | RELEASE DATE: | ABR/21/2023 |
| LOT NUMBER : | 313201 | | |

| TEST | SPECIFICATIONS | LOT VALUES |
|---|---|---|
| Assay ($Na_2SO_4$) | Min. 99.0% | 99.7 % |
| pH of a 5% solution at 25°C | 5.2 - 9.2 | 6.1 |
| Insoluble matter | Max. 0.01% | 0.005 % |
| Loss on ignition | Max. 0.5% | 0.1 % |
| Chloride (Cl) | Max. 0.001% | <0.001 % |
| Nitrogen compounds (as N) | Max. 5 ppm | <5 ppm |
| Phosphate ($PO_4$) | Max. 0.001% | <0.001 % |
| Heavy metals (as Pb) | Max. 5 ppm | <5 ppm |
| Iron (Fe) | Max. 0.001% | <0.001 % |
| Calcium (Ca) | Max. 0.01% | 0.002 % |
| Magnesium (Mg) | Max. 0.005% | 0.001 % |
| Potassium (K) | Max. 0.008% | 0.003 % |
| Extraction-concentration suitability | Passes test | Passes test |
| Appearance | Passes test | Passes test |
| Identification | Passes test | Passes test |
| Solubility and foreing matter | Passes test | Passes test |
| Retained on US Standard No. 10 sieve | Max. 1% | 0.1 % |
| Retained on US Standard No. 60 sieve | Min. 94% | 97.3 % |
| Through US Standard No. 60 sieve | Max. 5% | 2.5 % |
| Through US Standard No. 100 sieve | Max. 10% | 0.1 % |

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RP on 7/24/23 E3551

VWR®

# Certificate of Analysis

## Sodium Hydroxide (Pellets)

**Material:** 0583
**Grade:** ACS GRADE
**Batch Number:** 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

| TEST | SPECIFICATION | ANALYSIS | DISPOSITION |
|---|---|---|---|
| Calcium | <= 0.005 % | <0.005 % | PASS |
| Chloride | <= 0.005 % | 0.002 % | PASS |
| Heavy Metals | <= 0.002 % | <0.002 % | PASS |
| Iron | <= 0.001 % | <0.001 % | PASS |
| Magnesium | <= 0.002 % | <0.002 % | PASS |
| Mercury | <= 0.1 ppm | <0.1 ppm | PASS |
| Nickel | <= 0.001 % | <0.001 % | PASS |
| Nitrogen Compounds | <= 0.001 % | <0.001 % | PASS |
| Phosphate | <= 0.001 % | <0.001 % | PASS |
| Potassium | <= 0.02 % | <0.02 % | PASS |
| Purity | >= 97.0 % | 99.2 % | PASS |
| Sodium Carbonate | <= 1.0 % | 0.5 % | PASS |
| Sulfate | <= 0.003 % | <0.003 % | PASS |

Internal ID #: 710

### Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

### Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

| | |
|---|---|
| E 3657 | E 3659 |
| E 3654 | E 3660 |

PO: PO2-798 PRODUCT CODE: SHIP DATE: 12/9/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($(CH_3)_2CO$) (by GC, corrected forwater) | >= 99.4 % | 100.0 % |
| Color (APHA) | <= 10 | 5 |
| Residue after Evaporation | <= 1.0 ppm | 0.0 ppm |
| Substances Reducing Permanganate | Passes Test | Passes Test |
| Titrable Acid (µeq/g) | <= 0.3 | 0.2 |
| Titrable Base (µeq/g) | <= 0.6 | <0.1 |
| Water ($H_2O$) | <= 0.5 % | <0.1 % |
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | 1 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 1 |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3902

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Page 1 of 1

PO: PO2-1308 PRODUCT CODE: SHIP DATE: 2/7/25

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | 1 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 4 |
| Assay ($CH_2Cl_2$) (by GC, exclusive of preservative, corrected for water) | >= 99.8 % | 99.9 % |
| Color (APHA) | <= 10 | 10 |
| Residue after Evaporation | <= 1.0 ppm | 0.8 ppm |
| Titrable Acid (µeq/g) | <= 0.3 | <0.1 |
| Chloride (Cl) | <= 10 ppm | <5 ppm |
| Water (by KF, coulometric) | <= 0.02 % | <0.01 % |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3926

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($(CH_3)_2CO$) (by GC, corrected forwater) | >= 99.4 % | 99.8 % |
| Color (APHA) | <= 10 | 5 |
| Residue after Evaporation | <= 1.0 ppm | 0.2 ppm |
| Substances Reducing Permanganate | Passes Test | Passes Test |
| Titrable Acid (µeq/g) | <= 0.3 | 0.2 |
| Titrable Base (µeq/g) | <= 0.6 | <0.1 |
| Water ($H_2O$) | <= 0.5 % | 0.2 % |
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | <1 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 1 |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD RS

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A2862010
Manufactured Date: 2024-12-18
Expiration Date:2026-03-19
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | <1 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 2 |
| Assay ($CH_2Cl_2$) (by GC, exclusive of preservative, corrected for water) | >= 99.8 % | 99.9 % |
| Color (APHA) | <= 10 | 5 |
| Residue after Evaporation | <= 1.0 ppm | 0.3 ppm |
| Titrable Acid (µeq/g) | <= 0.3 | <0.1 |
| Chloride (Cl) | <= 10 ppm | <5 ppm |
| Water (by KF, coulometric) | <= 0.02 % | <0.01 % |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3942

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25B1862001
Manufactured Date: 2024-12-18
Expiration Date:2026-03-19
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | <1 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 2 |
| Assay ($CH_2Cl_2$) (by GC, exclusive of preservative, corrected for water) | >= 99.8 % | 99.9 % |
| Color (APHA) | <= 10 | 5 |
| Residue after Evaporation | <= 1.0 ppm | 0.3 ppm |
| Titrable Acid (µeq/g) | <= 0.3 | <0.1 |
| Chloride (Cl) | <= 10 ppm | <5 ppm |
| Water (by KF, coulometric) | <= 0.02 % | <0.01 % |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

RS 7/14/25

E3954

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M615 MB

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013
Manufactured Date: 2024-08-07
Retest Date:2029-08-06
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| ACS – Assay ($H_2SO_4$) | 95.0 – 98.0 % | 96.2 % |
| Appearance | Passes Test | Passes Test |
| ACS – Color (APHA) | <= 10 | 5 |
| ACS – Residue after Ignition | <= 3 ppm | <1 ppm |
| ACS – Substances Reducing Permanganate(as SO2) | <= 2 ppm | <2 ppm |
| Ammonium ($NH_4$) | <= 1 ppm | <1 ppm |
| Chloride (Cl) | <= 0.1 ppm | <0.1 ppm |
| Nitrate ($NO_3$) | <= 0.2 ppm | 0.1 ppm |
| Phosphate ($PO_4$) | <= 0.5 ppm | <0.1 ppm |
| Trace Impurities – Aluminum (Al) | <= 30.0 ppb | <5.0 ppb |
| Arsenic & Antimony (as As) | <= 4.0 ppb | <2.0 ppb |
| Trace Impurities – Boron (B) | <= 10.0 ppb | <5.0 ppb |
| Trace Impurities – Cadmium (Cd) | <= 2.0 ppb | <1.0 ppb |
| Trace Impurities – Chromium (Cr) | <= 6.0 ppb | <1.0 ppb |
| Trace Impurities – Cobalt (Co) | <= 0.5 ppb | <0.3 ppb |
| Trace Impurities – Copper (Cu) | <= 1.0 ppb | <1.0 ppb |
| Trace Impurities – Gold (Au) | <= 10.0 ppb | <5.0 ppb |
| Heavy Metals (as Pb) | <= 500.0 ppb | <100.0 ppb |
| Trace Impurities – Iron (Fe) | <= 50.0 ppb | <1.0 ppb |
| Trace Impurities – Lead (Pb) | <= 0.5 ppb | <0.5 ppb |
| Trace Impurities – Magnesium (Mg) | <= 7.0 ppb | <1.0 ppb |
| Trace Impurities – Manganese (Mn) | <= 1.0 ppb | <1.0 ppb |
| Trace Impurities – Mercury (Hg) | <= 0.5 ppb | <0.1 ppb |
| Trace Impurities – Nickel (Ni) | <= 2.0 ppb | <0.3 ppb |
| Trace Impurities – Potassium (K) | <= 500.0 ppb | <10.0 ppb |
| Trace Impurities – Selenium (Se) | <= 50.0 ppb | 7.2 ppb |
| Trace Impurities – Silicon (Si) | <= 100.0 ppb | 12.8 ppb |
| Trace Impurities – Silver (Ag) | <= 1.0 ppb | <1.0 ppb |

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013

| Test | Specification | Result |
|---|---|---|
| Trace Impurities - Sodium (Na) | <= 500.0 ppb | <5.0 ppb |
| Trace Impurities - Strontium (Sr) | <= 5.0 ppb | <1.0 ppb |
| Trace Impurities - Tin (Sn) | <= 5.0 ppb | 1.1 ppb |
| Trace Impurities - Zinc (Zn) | <= 5.0 ppb | <1.0 ppb |

For Laboratory,Research,or Manufacturing Use

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700


Avantor Performance Materials, LLC

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***gravimetric***

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555870 **Lot No.:** A0200549

**Description :** Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** August 31, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

511484 ↓ 511493 Y.P. 08/10/23

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 2,4-Dinitrophenol | 51-28-5 | DR230417RSR | 99% | 25,008.0 µg/mL | +/- 777.3323 |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

Tom Suckar - Mix Technician **Date Mixed:** 02-Aug-2023 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

# Certificate of Analysis

Rev 0



| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-110094-02 | 506889 | ≤ -10 °C | Methylene Chloride | 7/25/2028 | CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| 1,2-dichlorobenzene-$d_4$ | 2199-69-1 | 99.7 | 247.29.3P | 5035 ± 28.02 |
| 2-fluorobiphenyl | 321-60-8 | 99.69 | 8.286.1.1P | 4999 ± 103.66 |
| nitrobenzene-d5 | 4165-60-0 | 99.67 | 7.9.3P | 4988 ± 27.32 |
| p-terphenyl-d14 | 1718-51-0 | 99.3 | 9.120.8P | 5005 ± 27.85 |

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*gravimetric*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555872 **Lot No.:** A0201728

**Description :** Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pentachlorophenol | 87-86-5 | RP230530RSR | 99% | 25,000.0 µg/mL | +/- 777.0837 |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

Josh McCloskey - Operations Technician I

**Date Mixed:** 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31853 **Lot No.:** A0196453

**Description :** 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** March 31, 2028 **Storage:** 0°C or colder

**Ship:** Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dioxane | 123-91-1 | SHBN3770 | 99% | 2,013.0 µg/mL | +/- 25.0521 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant flow 1.8 mL/min.

**Temp. Program:**
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

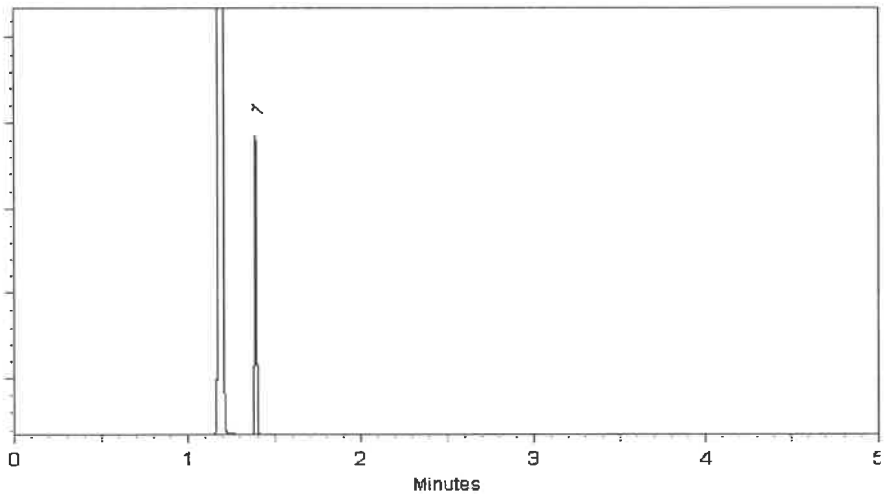
**Inj. Temp:**
250°C

**Det. Temp:**
340°C

**Det. Type:**
FID

**Split Vent:**
100 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 31-Mar-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31853 **Lot No.:** A0200655

**Description :** 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** August 31, 2028 **Storage:** 0°C or colder

**Ship:** Ambient

S11795 ↓ S11808 RC 11/30/23

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dioxane | 123-91-1 | SHBQ1693 | 99% | 2,007.0 µg/mL | +/- 24.9775 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant flow 1.8 mL/min.

**Temp. Program:**
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

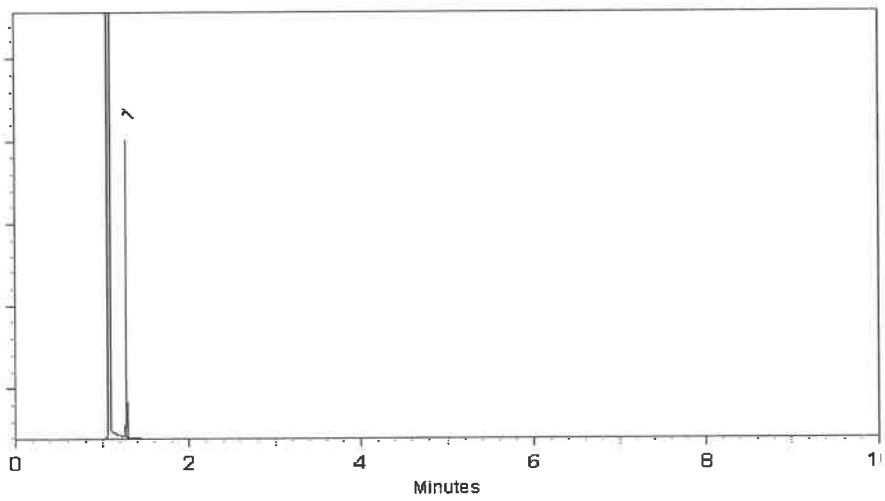
**Inj. Temp:**
250°C

**Det. Temp:**
340°C

**Det. Type:**
FID

**Split Vent:**
100 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

**Date Mixed:** 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 08-Aug-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31853 **Lot No.:** A0200655

**Description :** 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** August 31, 2028 **Storage:** 0°C or colder

**Ship:** Ambient

S11795 ↓ S11808 RC 11/30/23

**CERTIFIED VALUES**

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dioxane | 123-91-1 | SHBQ1693 | 99% | 2,007.0 µg/mL | +/- 24.9775 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant flow 1.8 mL/min.

**Temp. Program:**
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

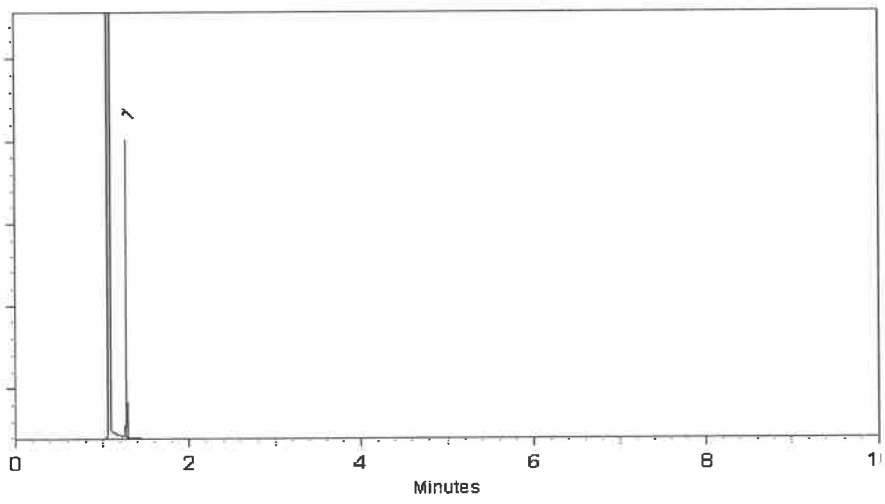
**Inj. Temp:**
250°C

**Det. Temp:**
340°C

**Det. Type:**
FID

**Split Vent:**
100 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

**Date Mixed:** 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 08-Aug-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

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**Catalog No. :** 31853 **Lot No.:** A0200655

**Description :** 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** August 31, 2028 **Storage:** 0°C or colder

**Ship:** Ambient

S11795 ↓ S11808 RC 11/30/23

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dioxane | 123-91-1 | SHBQ1693 | 99% | 2,007.0 µg/mL | +/- 24.9775 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant flow 1.8 mL/min.

**Temp. Program:**
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

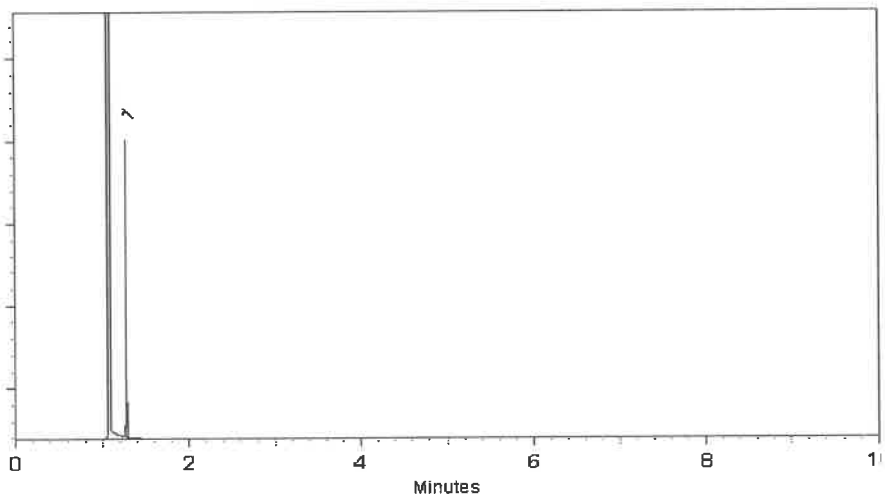
**Inj. Temp:**
250°C

**Det. Temp:**
340°C

**Det. Type:**
FID

**Split Vent:**
100 ml/min.

**Inj. Vol**
1µl

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Penelope Riglin - Operations Tech I

**Date Mixed:** 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 08-Aug-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

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**Catalog No. :** 31853 **Lot No.:** A0200655

**Description :** 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** August 31, 2028 **Storage:** 0°C or colder

**Ship:** Ambient

S11795 ↓ S11808 RC 11/30/23

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dioxane | 123-91-1 | SHBQ1693 | 99% | 2,007.0 µg/mL | +/- 24.9775 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant flow 1.8 mL/min.

**Temp. Program:**
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

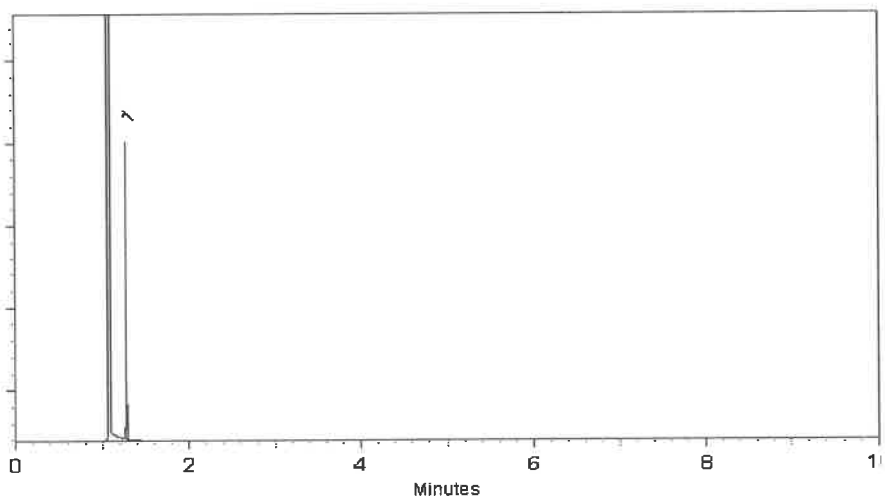
**Inj. Temp:**
250°C

**Det. Temp:**
340°C

**Det. Type:**
FID

**Split Vent:**
100 ml/min.

**Inj. Vol**
1µl

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Penelope Riglin - Operations Tech I

**Date Mixed:** 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 08-Aug-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

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### Certified Uncertainty Value Notes:

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### Manufacturing Notes:

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

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**Catalog No. :** 31853 **Lot No.:** A0200655

**Description :** 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** August 31, 2028 **Storage:** 0°C or colder

**Ship:** Ambient

S11795 ↓ S11808 RC 11/30/23

**CERTIFIED VALUES**

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dioxane | 123-91-1 | SHBQ1693 | 99% | 2,007.0 µg/mL | +/- 24.9775 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant flow 1.8 mL/min.

**Temp. Program:**
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

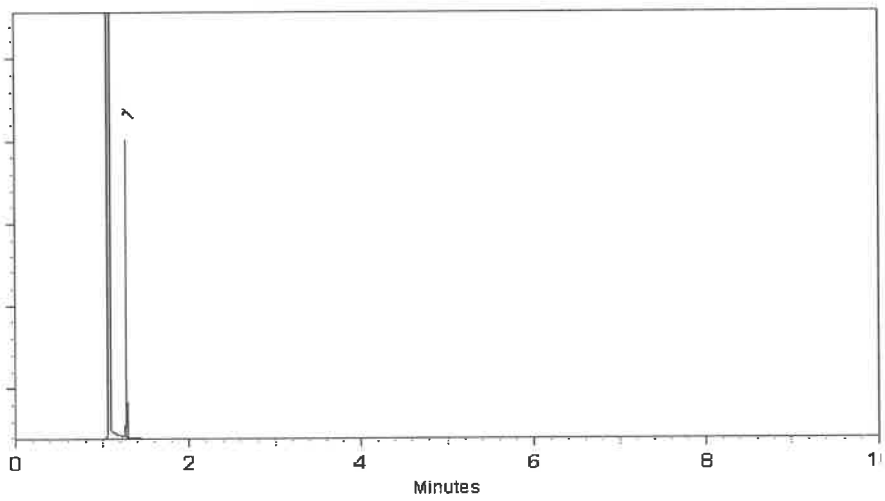
**Inj. Temp:**
250°C

**Det. Temp:**
340°C

**Det. Type:**
FID

**Split Vent:**
100 ml/min.

**Inj. Vol**
1µl

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Penelope Riglin - Operations Tech I

**Date Mixed:** 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 08-Aug-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

# Certificate of Analysis

Rev 0



| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-020223-01 | 454157 | ≤ -10 °C | P/T Methanol | 6/10/2026 | 1,4-Dioxane Solution, 2000 mg/L, 1 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| 1,4-dioxane | 123-91-1 | 100 | 223.1.3P | 1997 ± 57.08 |

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31087 **Lot No.:** A0206206

S12187 ↓ S12206 } RC/ 03/18/24

**Description :** Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** January 31, 2032 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 2-Fluorophenol | 367-12-4 | STBK1705 | 99% | 10,005.3 µg/mL | +/- 302.5390 |
| 2 | Phenol-d6 | 13127-88-3 | PR-33287A | 99% | 10,005.5 µg/mL | +/- 302.5475 |
| 3 | 2,4,6-Tribromophenol | 118-79-6 | RP230831RSR | 99% | 10,006.6 µg/mL | +/- 302.5783 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

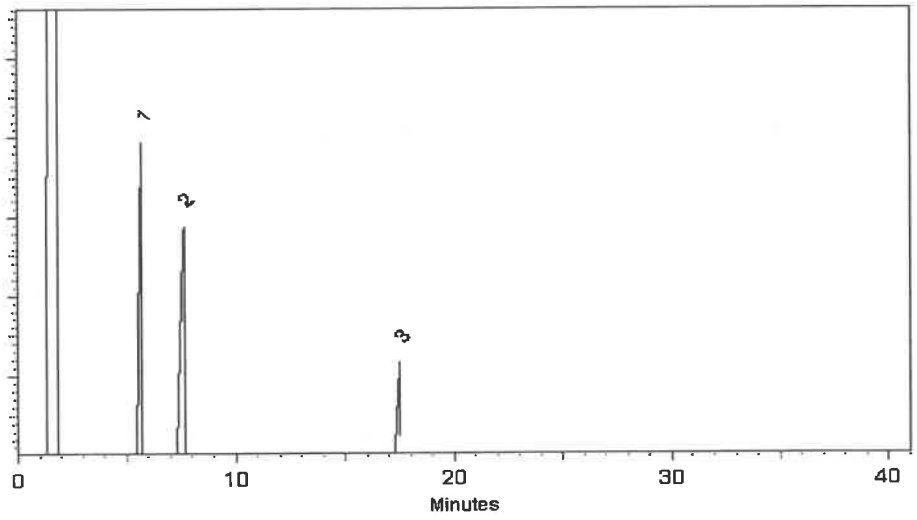
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

**Date Mixed:** 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

**Date Passed:** 08-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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**Catalog No. :** 31087 **Lot No.:** A0206206

**Description :** Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** January 31, 2032 **Storage:** 10°C or colder

**Ship:** Ambient

S12187 ↓ S12206 } RC/ 03/18/24

**CERTIFIED VALUES**

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 2-Fluorophenol | 367-12-4 | STBK1705 | 99% | 10,005.3 µg/mL | +/- 302.5390 |
| 2 | Phenol-d6 | 13127-88-3 | PR-33287A | 99% | 10,005.5 µg/mL | +/- 302.5475 |
| 3 | 2,4,6-Tribromophenol | 118-79-6 | RP230831RSR | 99% | 10,006.6 µg/mL | +/- 302.5783 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

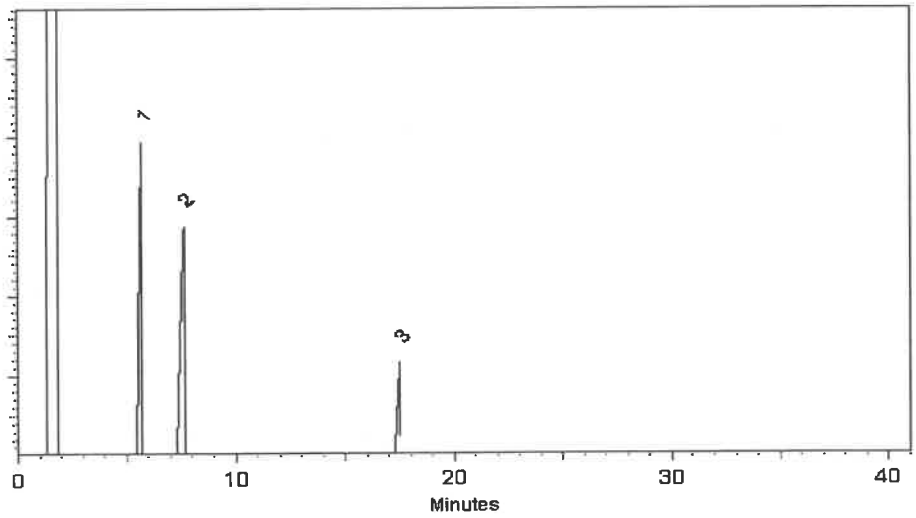
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

**Date Mixed:** 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

**Date Passed:** 08-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

# Certificate of Analysis

***chromatographic plus***

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31087 **Lot No.:** A0206206

S12187 ↓ S12206 } RC/ 03/18/24

**Description :** Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** January 31, 2032 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 2-Fluorophenol | 367-12-4 | STBK1705 | 99% | 10,005.3 µg/mL | +/- 302.5390 |
| 2 | Phenol-d6 | 13127-88-3 | PR-33287A | 99% | 10,005.5 µg/mL | +/- 302.5475 |
| 3 | 2,4,6-Tribromophenol | 118-79-6 | RP230831RSR | 99% | 10,006.6 µg/mL | +/- 302.5783 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

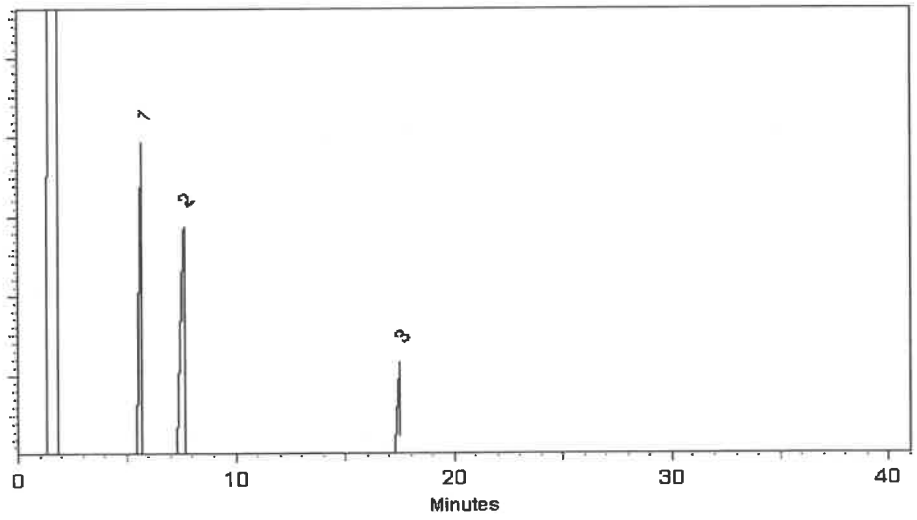
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

**Date Mixed:** 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

**Date Passed:** 08-Jan-2024

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# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

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Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31087 **Lot No.:** A0206206

**Description :** Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** January 31, 2032 **Storage:** 10°C or colder

**Ship:** Ambient

S12187 ↓ S12206 } RC/ 03/18/24

**CERTIFIED VALUES**

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 2-Fluorophenol | 367-12-4 | STBK1705 | 99% | 10,005.3 µg/mL | +/- 302.5390 |
| 2 | Phenol-d6 | 13127-88-3 | PR-33287A | 99% | 10,005.5 µg/mL | +/- 302.5475 |
| 3 | 2,4,6-Tribromophenol | 118-79-6 | RP230831RSR | 99% | 10,006.6 µg/mL | +/- 302.5783 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

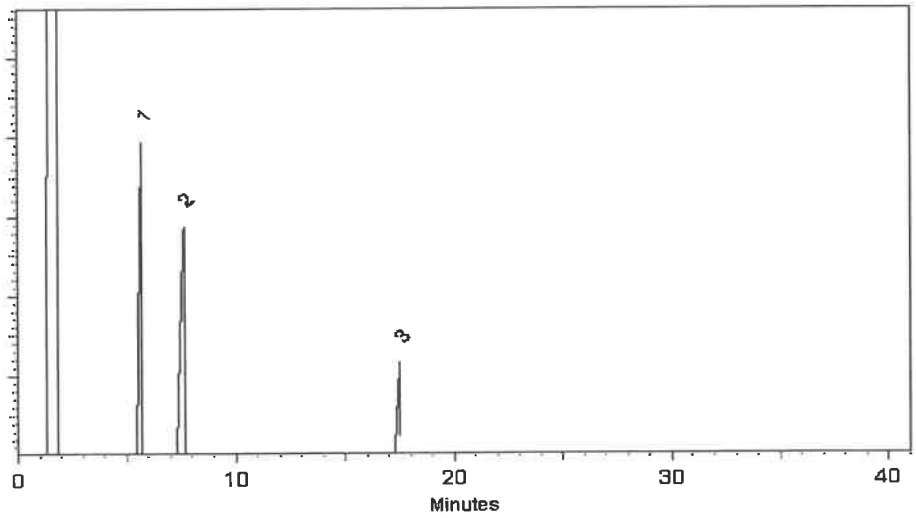
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl

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Penelope Riglin - Operations Tech I

**Date Mixed:** 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

**Date Passed:** 08-Jan-2024

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31087 **Lot No.:** A0206206

**Description :** Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** January 31, 2032 **Storage:** 10°C or colder

**Ship:** Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 2-Fluorophenol | 367-12-4 | STBK1705 | 99% | 10,005.3 µg/mL | +/- 302.5390 |
| 2 | Phenol-d6 | 13127-88-3 | PR-33287A | 99% | 10,005.5 µg/mL | +/- 302.5475 |
| 3 | 2,4,6-Tribromophenol | 118-79-6 | RP230831RSR | 99% | 10,006.6 µg/mL | +/- 302.5783 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

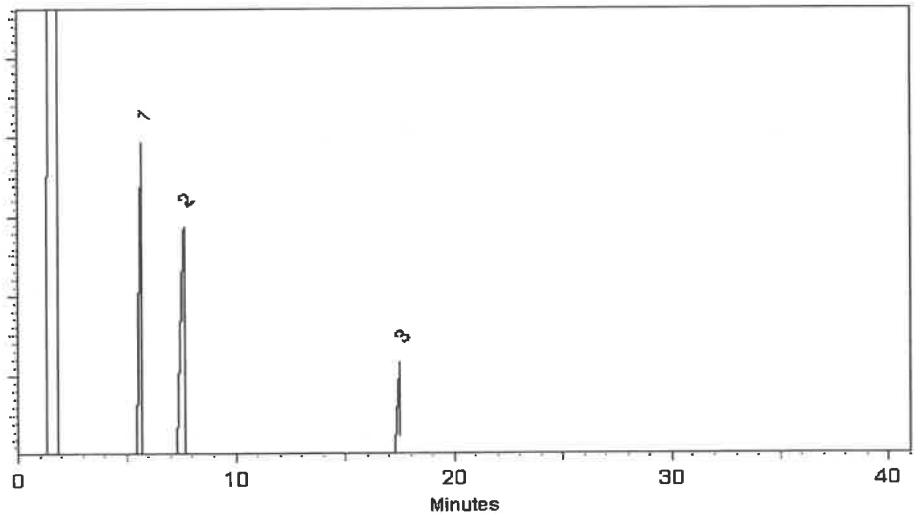
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl

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Penelope Riglin - Operations Tech I

**Date Mixed:** 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

**Date Passed:** 08-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

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**Catalog No. :** 31087 **Lot No.:** A0206206

S12187 ↓ S12206 } RC/ 03/18/24

**Description :** Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** January 31, 2032 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 2-Fluorophenol | 367-12-4 | STBK1705 | 99% | 10,005.3 µg/mL | +/- 302.5390 |
| 2 | Phenol-d6 | 13127-88-3 | PR-33287A | 99% | 10,005.5 µg/mL | +/- 302.5475 |
| 3 | 2,4,6-Tribromophenol | 118-79-6 | RP230831RSR | 99% | 10,006.6 µg/mL | +/- 302.5783 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

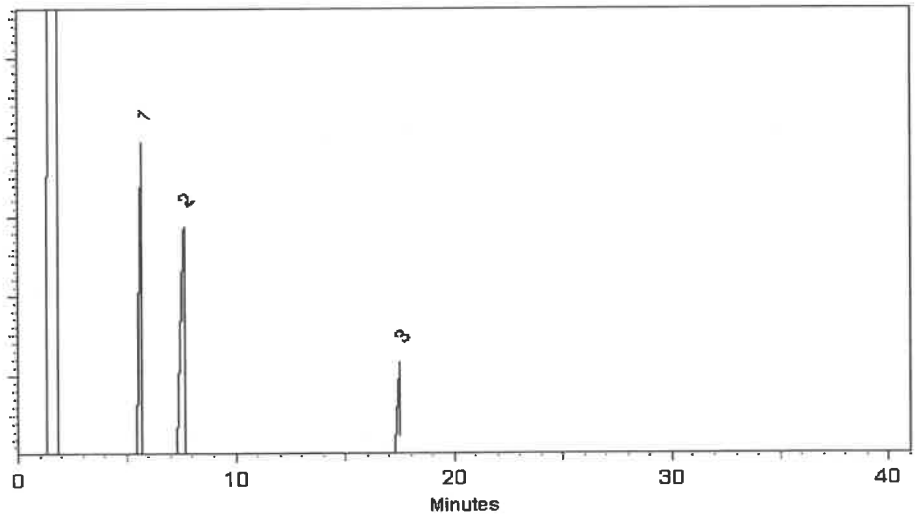
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

**Date Mixed:** 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

**Date Passed:** 08-Jan-2024

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CERTIFIED REFERENCE MATERIAL

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

# Certificate of Analysis

***chromatographic plus***

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31086 **Lot No.:** A0206381

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** December 31, 2029 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Nitrobenzene-d5 | 4165-60-0 | I-25158 | 99% | 5,029.3 µg/mL | +/- 226.5204 |
| 2 | 2-Fluorobiphenyl | 321-60-8 | 00021384 | 99% | 5,030.9 µg/mL | +/- 226.5936 |
| 3 | p-Terphenyl-d14 | 1718-51-0 | PR-32599 | 99% | 5,026.4 µg/mL | +/- 226.3909 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

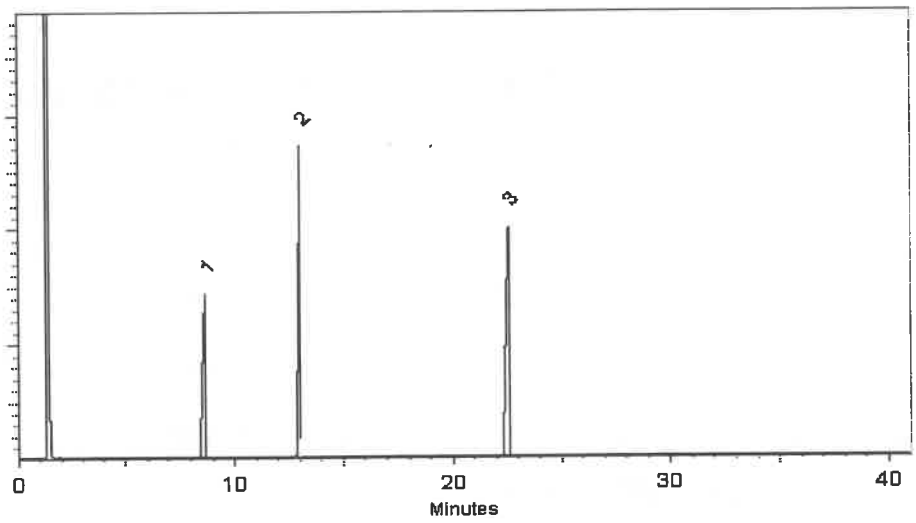
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

**Date Mixed:** 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 11-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31086 **Lot No.:** A0206381

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** December 31, 2029 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Nitrobenzene-d5 | 4165-60-0 | I-25158 | 99% | 5,029.3 µg/mL | +/- 226.5204 |
| 2 | 2-Fluorobiphenyl | 321-60-8 | 00021384 | 99% | 5,030.9 µg/mL | +/- 226.5936 |
| 3 | p-Terphenyl-d14 | 1718-51-0 | PR-32599 | 99% | 5,026.4 µg/mL | +/- 226.3909 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

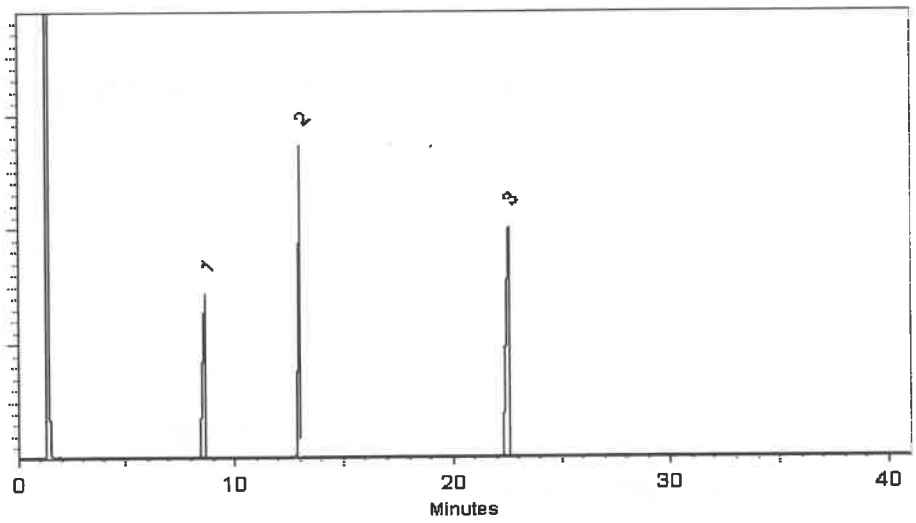
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl

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Jess Hoy - Operations Tech I

**Date Mixed:** 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 11-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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# Certificate of Analysis

***chromatographic plus***

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**Catalog No. :** 31086 **Lot No.:** A0206381

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** December 31, 2029 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Nitrobenzene-d5 | 4165-60-0 | I-25158 | 99% | 5,029.3 µg/mL | +/- 226.5204 |
| 2 | 2-Fluorobiphenyl | 321-60-8 | 00021384 | 99% | 5,030.9 µg/mL | +/- 226.5936 |
| 3 | p-Terphenyl-d14 | 1718-51-0 | PR-32599 | 99% | 5,026.4 µg/mL | +/- 226.3909 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

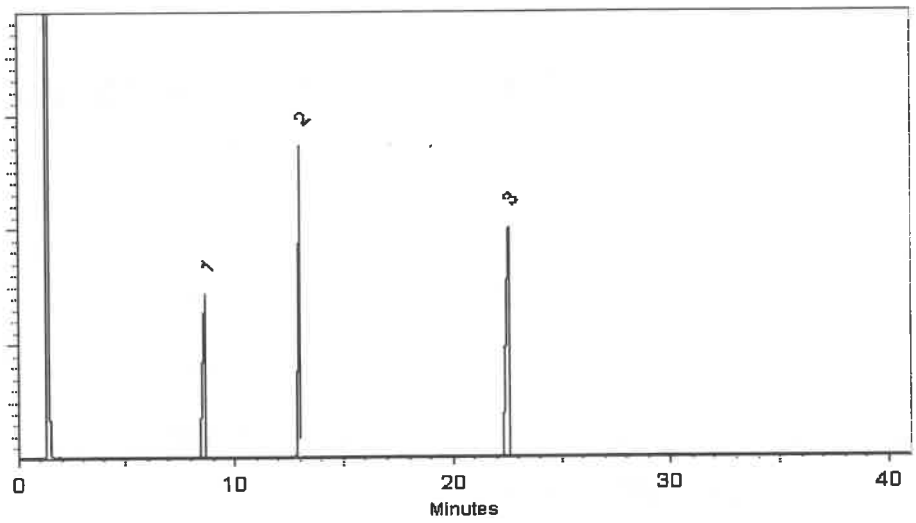
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl

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Jess Hoy - Operations Tech I

**Date Mixed:** 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 11-Jan-2024

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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**Catalog No. :** 31086 **Lot No.:** A0206381

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** December 31, 2029 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Nitrobenzene-d5 | 4165-60-0 | I-25158 | 99% | 5,029.3 µg/mL | +/- 226.5204 |
| 2 | 2-Fluorobiphenyl | 321-60-8 | 00021384 | 99% | 5,030.9 µg/mL | +/- 226.5936 |
| 3 | p-Terphenyl-d14 | 1718-51-0 | PR-32599 | 99% | 5,026.4 µg/mL | +/- 226.3909 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

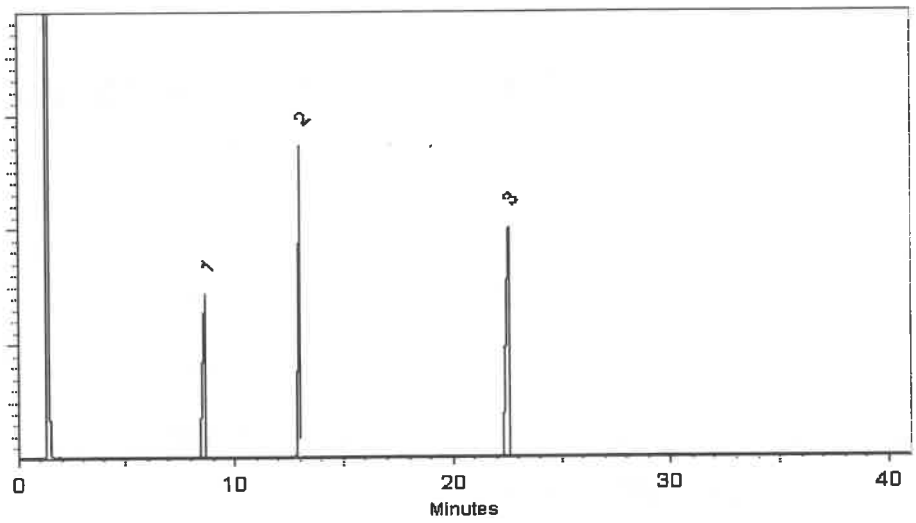
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl

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Jess Hoy - Operations Tech I

**Date Mixed:** 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 11-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31086 **Lot No.:** A0206381

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** December 31, 2029 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Nitrobenzene-d5 | 4165-60-0 | I-25158 | 99% | 5,029.3 µg/mL | +/- 226.5204 |
| 2 | 2-Fluorobiphenyl | 321-60-8 | 00021384 | 99% | 5,030.9 µg/mL | +/- 226.5936 |
| 3 | p-Terphenyl-d14 | 1718-51-0 | PR-32599 | 99% | 5,026.4 µg/mL | +/- 226.3909 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

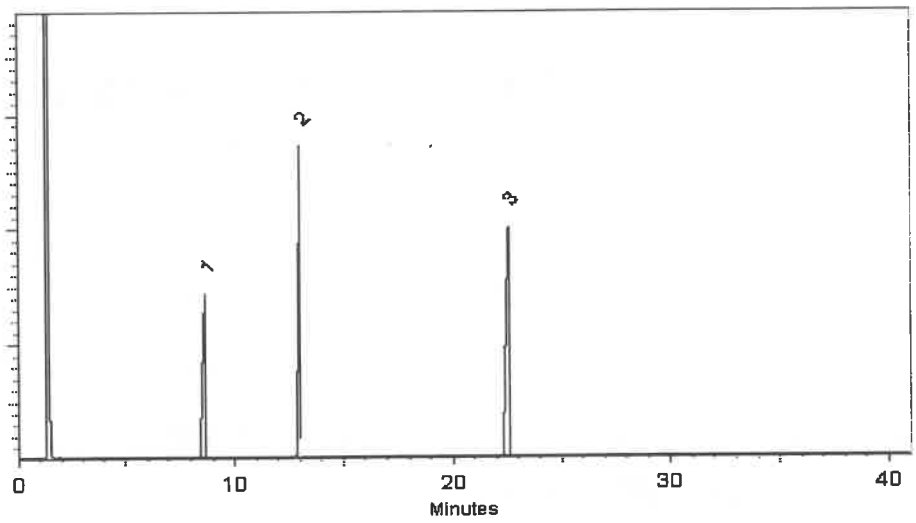
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl

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Jess Hoy - Operations Tech I

**Date Mixed:** 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 11-Jan-2024

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**Catalog No. :** 31086 **Lot No.:** A0206381

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** December 31, 2029 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Nitrobenzene-d5 | 4165-60-0 | I-25158 | 99% | 5,029.3 µg/mL | +/- 226.5204 |
| 2 | 2-Fluorobiphenyl | 321-60-8 | 00021384 | 99% | 5,030.9 µg/mL | +/- 226.5936 |
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**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

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**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

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**Split Vent:**
2 ml/min.

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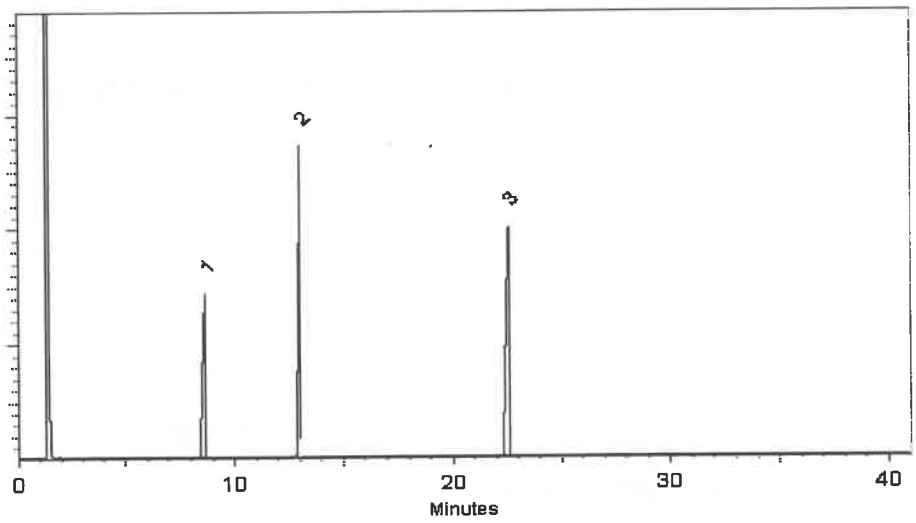


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Jess Hoy - Operations Tech I

**Date Mixed:** 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 11-Jan-2024

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**Catalog No. :** 31086 **Lot No.:** A0206381

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** December 31, 2029 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
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**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

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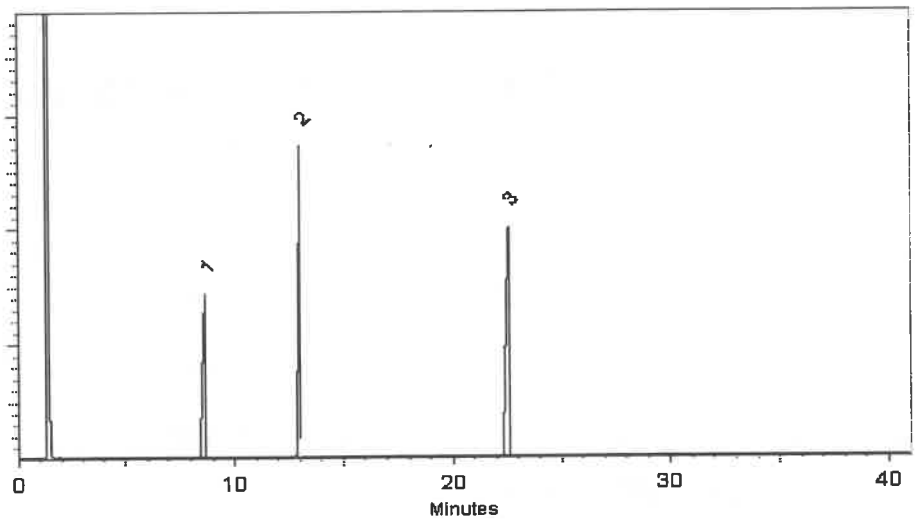


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Jess Hoy - Operations Tech I

**Date Mixed:** 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 11-Jan-2024

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S12207 ↓ S12221 RC/ 03/18/24

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

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**Handling:** Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

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**Split Vent:**
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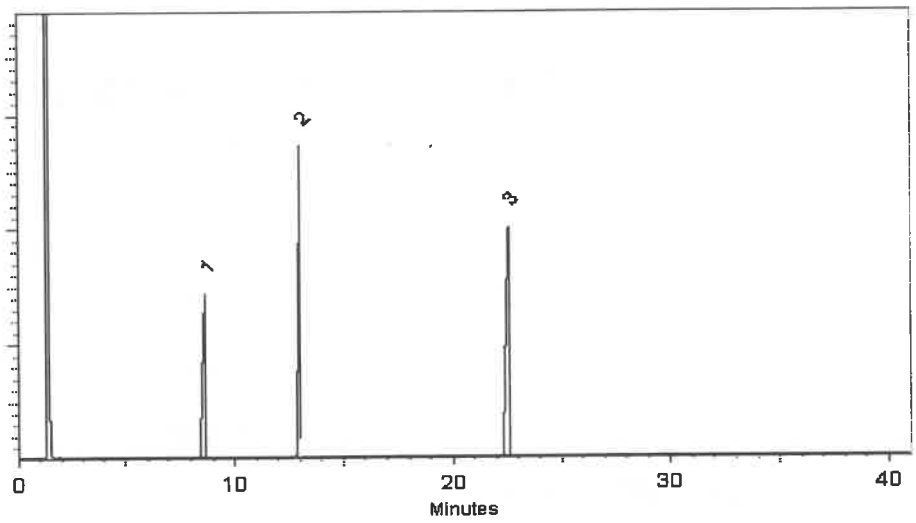


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Jess Hoy - Operations Tech I

**Date Mixed:** 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 11-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

# Certificate of Analysis

Rev 0



| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-110381-01 | 520963 | ≤ -10 °C | Methylene Chloride | 10/10/2028 | Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| acenaphthene | 83-32-9 | 99.9 | 13.1.5P | 1010 ± 9.89 |
| acenaphthylene | 208-96-8 | 97.6 | 14.290.1P | 1014 ± 9.93 |
| aniline | 62-53-3 | 99.97 | 64.1.4P | 1001 ± 9.8 |
| anthracene | 120-12-7 | 99.5 | 15.7.1P | 999.6 ± 9.79 |
| azobenzene | 103-33-3 | 98.1 | 252.7.2P | 999.1 ± 9.8 |
| benzo[a]anthracene | 56-55-3 | 100 | 16.7.3P | 1007 ± 9.86 |
| benzo[b]fluoranthene | 205-99-2 | 99.8 | 17.421.3P | 1011 ± 14.11 |
| benzo[k]fluoranthene | 207-08-9 | 98.9 | 18.421.4P | 1001 ± 10.96 |
| benzo[ghi]perylene | 191-24-2 | 93 | 19.286.4P | 999.6 ± 13.95 |
| benzo[a]pyrene | 50-32-8 | 97 | 20.286.2P | 999.9 ± 22.24 |
| benzyl alcohol | 100-51-6 | 99.9 | 65.18.1P | 1001 ± 9.82 |
| bis(2-chloroethoxy)methane | 111-91-1 | 99.1 | 31.3.15P | 1000 ± 14.69 |
| bis(2-chloroethyl)ether | 111-44-4 | 99.8 | 32.7.1P | 1003 ± 13.89 |
| bis(2-chloro-1-methylethyl) ether | 108-60-1 | 99.5 | 34.3.15P | 999.4 ± 14.68 |
| bis(2-ethylhexyl)adipate | 103-23-1 | 99.5 | 874.7.1P | 999.5 ± 9.8 |
| bis(2-ethylhexyl)phthalate | 117-81-7 | 99.4 | 33.29.1P | 998.8 ± 17.03 |
| 4-bromophenyl phenyl ether | 101-55-3 | 99.4 | 35.7.1.1P | 1000 ± 13.85 |
| butyl benzyl phthalate | 85-68-7 | 98.4 | 36.1.6P | 984.7 ± 16.79 |
| carbazole | 86-74-8 | 99.4 | 239.7.2P | 1000 ± 9.8 |

S12270 ↓ S12274 } RC/ 05/24/24

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

# Certificate of Analysis



**Catalog No.:** Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| 4-chloroaniline | 106-47-8 | 100 | 66.7.1P | 1000 ± 9.79 |
| 4-chlorophenylphenyl ether | 7005-72-3 | 98 | 37.158.2P | 1001 ± 17.07 |
| 4-chloro-3-methylphenol | 59-50-7 | 99 | 102.1.2P | 1006 ± 17.16 |
| 2-chloronaphthalene | 91-58-7 | 99.9 | 42.7.6P | 1000 ± 9.79 |
| 2-chlorophenol | 95-57-8 | 99.8 | 103.7.1P | 1007 ± 13.96 |
| chrysene | 218-01-9 | 96 | 21.286.2P | 998.4 ± 12.85 |
| dibenz[a,h]anthracene | 53-70-3 | 99.44 | 22.286.3P | 1000 ± 9.74 |
| dibenzofuran | 132-64-9 | 100 | 67.7.2.1P | 1002 ± 9.77 |
| di-n-butyl phthalate | 84-74-2 | 99.84 | 40.286.1P | 1007 ± 24.48 |
| 1,2-dichlorobenzene | 95-50-1 | 99.8 | 43.7.1P | 1000 ± 9.79 |
| 1,3-dichlorobenzene | 541-73-1 | 99.5 | 44.1.3P | 999.4 ± 9.79 |
| 1,4-dichlorobenzene | 106-46-7 | 99.9 | 45.29.2P | 1000 ± 9.79 |
| 2,4-dichlorophenol | 120-83-2 | 99.6 | 104.7.1.1P | 1005 ± 13.93 |
| diethyl phthalate | 84-66-2 | 99.8 | 38.7.1P | 1011 ± 14 |
| 2,4-dimethylphenol | 105-67-9 | 99.6 | 105.7.1.1P | 1009 ± 13.98 |
| dimethyl phthalate | 131-11-3 | 99.9 | 39.9.2P | 996.5 ± 13.8 |
| 1,2-dinitrobenzene | 528-29-0 | 99.86 | 86.7.3.1P | 999.5 ± 9.75 |
| 1,3-dinitrobenzene | 99-65-0 | 100 | 313.7.2P | 998 ± 9.79 |
| 1,4-dinitrobenzene | 100-25-4 | 100 | 907.7.1P | 999.5 ± 9.8 |
| 2,4-dinitrophenol | 51-28-5 | 99.9 | 106.1.6DP | 1002 ± 13.89 |
| 2,4-dinitrotoluene | 121-14-2 | 100 | 87.7.3P | 999.8 ± 13.85 |
| 2,6-dinitrotoluene | 606-20-2 | 99.4 | 88.7.2.1P | 999.6 ± 13.85 |
| di-n-octyl phthalate | 117-84-0 | 99.1 | 41.7.5P | 991.6 ± 13.74 |
| diphenylamine | 122-39-4 | 100 | 78.1.6P | 998 ± 13.79 |
| 2,3,5,6-tetrachlorophenol | 935-95-5 | 97 | 1112.286.1P | 1004 ± 14.02 |
| fluoranthene | 206-44-0 | 98.6 | 23.7.4P | 999.6 ± 9.79 |
| fluorene | 86-73-7 | 98.4 | 24.7.1P | 999.7 ± 9.79 |

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Certified By: Kerry E Kane

Kerry Kane
**Chemist**

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# Certificate of Analysis



**Catalog No.:** Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| hexachlorobenzene | 118-74-1 | 99 | 46.158.4P | 999.9 ± 13.96 |
| hexachlorobutadiene | 87-68-3 | 97.4 | 47.1.4P | 1000 ± 9.79 |
| hexachlorocyclopentadiene | 77-47-4 | 99.2 | 48.2.2P | 1001 ± 9.8 |
| hexachloroethane | 67-72-1 | 99.9 | 49.1.4P | 1003 ± 9.82 |
| indeno[1,2,3-cd]pyrene | 193-39-5 | 98 | 25.286.4P | 999.4 ± 22.23 |
| isophorone | 78-59-1 | 98.9 | 90.1.4P | 999.9 ± 13.85 |
| 2-methyl-4,6-dinitrophenol | 534-52-1 | 99.6 | 107.421.2DP | 991 ± 24.09 |
| 1-methylnaphthalene | 90-12-0 | 97.1 | 249.7.5P | 999.2 ± 13.95 |
| 2-methylnaphthalene | 91-57-6 | 97.4 | 68.7.2P | 1006 ± 22.38 |
| 2-methylphenol | 95-48-7 | 99.6 | 114.7.3P | 1001 ± 13.87 |
| 3-methylphenol | 108-39-4 | 99.1 | 115.7.4P | 499.7 ± 6.92 |
| 4-methylphenol | 106-44-5 | 99.5 | 116.7.1P | 501.2 ± 6.94 |
| naphthalene | 91-20-3 | 99.8 | 26.9.1P | 1018 ± 9.97 |
| 2-nitroaniline | 88-74-4 | 99.7 | 69.29.1P | 999.6 ± 9.79 |
| 3-nitroaniline | 99-09-2 | 100 | 70.7.3P | 1000 ± 9.74 |
| 4-nitroaniline | 100-01-6 | 99.7 | 71.29.1P | 1001 ± 9.8 |
| nitrobenzene | 98-95-3 | 100 | 94.7.1P | 1000 ± 13.85 |
| 2-nitrophenol | 88-75-5 | 99.1 | 108.29.1P | 996.5 ± 13.81 |
| 4-nitrophenol | 100-02-7 | 100 | 109.7.1P | 1000 ± 13.82 |
| N-nitrosodimethylamine | 62-75-9 | 99.5 | 57.3.19P | 998.5 ± 14.67 |
| N-nitrosodi-n-propylamine | 621-64-7 | 99.8 | 59.286.1P | 996.8 ± 17 |
| pentachlorophenol | 87-86-5 | 99 | 110.1.7P | 1004 ± 13.92 |
| phenanthrene | 85-01-8 | 99.7 | 27.1.5P | 999 ± 12.87 |
| phenol | 108-95-2 | 100 | 112.7.1P | 998.5 ± 13.8 |
| pyrene | 129-00-0 | 99.2 | 28.9.2P | 998.9 ± 9.78 |
| pyridine | 110-86-1 | 100 | 101.24.1P | 999 ± 9.73 |
| 2,3,4,6-Tetrachlorophenol | 58-90-2 | 91.8 | 120.421.1P | 996.5 ± 13.92 |

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
**Chemist**

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# Certificate of Analysis



**Catalog No.:** Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| 1,2,4-trichlorobenzene | 120-82-1 | 99.6 | 54.29.1P | 999.6 ± 9.79 |
| 2,4,5-trichlorophenol | 95-95-4 | 96.5 | 121.7.1.1P | 999.5 ± 13.85 |
| 2,4,6-trichlorophenol | 88-06-2 | 99.6 | 113.7.1P | 996 ± 13.8 |

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# Certificate of Analysis

Rev 0



| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-010442-07 | 495833 | ≤ -10 °C | Methylene Chloride | 1/16/2028 | Benzaldehyde Solution, 1000 mg/L, 1.3 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| benzaldehyde | 100-52-7 | 98.3 | 442.421.1P | 996.8 ± 11.49 |

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

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RESTEK
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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*gravimetric*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 3,3'-Dichlorobenzidine | 91-94-1 | S240326RSR | 99% | 1,004.0 µg/mL | +/- 23.0487 |
| 2 | Atrazine | 1912-24-9 | 5FYWL | 99% | 1,005.0 µg/mL | +/- 23.0717 |
| 3 | Benzidine | 92-87-5 | S240430RSR | 99% | 1,006.0 µg/mL | +/- 23.0947 |
| 4 | epsilon-Caprolactam | 105-60-2 | Y16H012 | 99% | 1,000.0 µg/mL | +/- 22.9569 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 RC 7/24/24

Rebecca Gingerich - Operations Tech II

**Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

## General Certified Reference Material Notes

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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### Manufacturing Notes:

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**Purity** 99%

S12449 ↓ S12508 RC 7/24/24

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**Handling:** This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 3,3'-Dichlorobenzidine | 91-94-1 | S240326RSR | 99% | 1,004.0 µg/mL | +/- 23.0487 |
| 2 | Atrazine | 1912-24-9 | 5FYWL | 99% | 1,005.0 µg/mL | +/- 23.0717 |
| 3 | Benzidine | 92-87-5 | S240430RSR | 99% | 1,006.0 µg/mL | +/- 23.0947 |
| 4 | epsilon-Caprolactam | 105-60-2 | Y16H012 | 99% | 1,000.0 µg/mL | +/- 22.9569 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 RC 7/24/24

Rebecca Gingerich - Operations Tech II

**Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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110 Benner Circle
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# CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

# Certificate of Analysis

*gravimetric*

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

**CERTIFIED VALUES**

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 3,3'-Dichlorobenzidine | 91-94-1 | S240326RSR | 99% | 1,004.0 µg/mL | +/- 23.0487 |
| 2 | Atrazine | 1912-24-9 | 5FYWL | 99% | 1,005.0 µg/mL | +/- 23.0717 |
| 3 | Benzidine | 92-87-5 | S240430RSR | 99% | 1,006.0 µg/mL | +/- 23.0947 |
| 4 | epsilon-Caprolactam | 105-60-2 | Y16H012 | 99% | 1,000.0 µg/mL | +/- 22.9569 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

## General Certified Reference Material Notes

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### Manufacturing Notes:

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**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

**CERTIFIED VALUES**

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 3,3'-Dichlorobenzidine | 91-94-1 | S240326RSR | 99% | 1,004.0 µg/mL | +/- 23.0487 |
| 2 | Atrazine | 1912-24-9 | 5FYWL | 99% | 1,005.0 µg/mL | +/- 23.0717 |
| 3 | Benzidine | 92-87-5 | S240430RSR | 99% | 1,006.0 µg/mL | +/- 23.0947 |
| 4 | epsilon-Caprolactam | 105-60-2 | Y16H012 | 99% | 1,000.0 µg/mL | +/- 22.9569 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 RC 7/24/24

Rebecca Gingerich - Operations Tech II

**Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

## General Certified Reference Material Notes

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*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

**CERTIFIED VALUES**

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 3,3'-Dichlorobenzidine | 91-94-1 | S240326RSR | 99% | 1,004.0 µg/mL | +/- 23.0487 |
| 2 | Atrazine | 1912-24-9 | 5FYWL | 99% | 1,005.0 µg/mL | +/- 23.0717 |
| 3 | Benzidine | 92-87-5 | S240430RSR | 99% | 1,006.0 µg/mL | +/- 23.0947 |
| 4 | epsilon-Caprolactam | 105-60-2 | Y16H012 | 99% | 1,000.0 µg/mL | +/- 22.9569 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 RC 7/24/24

Rebecca Gingerich - Operations Tech II

**Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

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# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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ISO/IEC 17025 Accredited
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Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555224 **Lot No.:** A0214017

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,2,4,5-Tetrachlorobenzene | 95-94-3 | MKCT9480 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 2 | Acetophenone | 98-86-2 | STBH8205 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 3 | Benzaldehyde | 100-52-7 | RD231129RSRA | 99% | 1,008.0 µg/mL | +/- 29.630084 |
| 4 | Benzoic acid | 65-85-0 | MKCR2694 | 99% | 1,010.0 µg/mL | +/- 29.688874 |
| 5 | Biphenyl | 92-52-4 | MKCS5928 | 99% | 1,008.0 µg/mL | +/- 29.630084 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

**Date Mixed:** 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

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- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

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## CERTIFIED REFERENCE MATERIAL

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Certificate #3222.02

# Certificate of Analysis

***gravimetric***

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

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**Catalog No. :** 555224 **Lot No.:** A0214017

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,2,4,5-Tetrachlorobenzene | 95-94-3 | MKCT9480 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 2 | Acetophenone | 98-86-2 | STBH8205 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 3 | Benzaldehyde | 100-52-7 | RD231129RSRA | 99% | 1,008.0 µg/mL | +/- 29.630084 |
| 4 | Benzoic acid | 65-85-0 | MKCR2694 | 99% | 1,010.0 µg/mL | +/- 29.688874 |
| 5 | Biphenyl | 92-52-4 | MKCS5928 | 99% | 1,008.0 µg/mL | +/- 29.630084 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

**Date Mixed:** 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

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- Purity values are rounded to the nearest whole number.

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# Certificate of Analysis

*gravimetric*

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**Catalog No. :** 555224 **Lot No.:** A0214017

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,2,4,5-Tetrachlorobenzene | 95-94-3 | MKCT9480 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 2 | Acetophenone | 98-86-2 | STBH8205 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 3 | Benzaldehyde | 100-52-7 | RD231129RSRA | 99% | 1,008.0 µg/mL | +/- 29.630084 |
| 4 | Benzoic acid | 65-85-0 | MKCR2694 | 99% | 1,010.0 µg/mL | +/- 29.688874 |
| 5 | Biphenyl | 92-52-4 | MKCS5928 | 99% | 1,008.0 µg/mL | +/- 29.630084 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

**Date Mixed:** 18-Jul-2024 **Balance:** 1128360905

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

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### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

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Fax: 1-814-353-1309

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# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***gravimetric***

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555224 **Lot No.:** A0214017

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,2,4,5-Tetrachlorobenzene | 95-94-3 | MKCT9480 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 2 | Acetophenone | 98-86-2 | STBH8205 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 3 | Benzaldehyde | 100-52-7 | RD231129RSRA | 99% | 1,008.0 µg/mL | +/- 29.630084 |
| 4 | Benzoic acid | 65-85-0 | MKCR2694 | 99% | 1,010.0 µg/mL | +/- 29.688874 |
| 5 | Biphenyl | 92-52-4 | MKCS5928 | 99% | 1,008.0 µg/mL | +/- 29.630084 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

**Date Mixed:** 18-Jul-2024 **Balance:** 1128360905

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

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- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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**Catalog No. :** 555224 **Lot No.:** A0214017

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
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**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

**Date Mixed:** 18-Jul-2024 **Balance:** 1128360905

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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**Catalog No. :** 555224 **Lot No.:** A0214017

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,2,4,5-Tetrachlorobenzene | 95-94-3 | MKCT9480 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
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| 5 | Biphenyl | 92-52-4 | MKCS5928 | 99% | 1,008.0 µg/mL | +/- 29.630084 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

**Date Mixed:** 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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**Catalog No. :** 555224 **Lot No.:** A0214017

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
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**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

**Date Mixed:** 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

# General Certified Reference Material Notes

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# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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**Catalog No. :** 555224 **Lot No.:** A0214017

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
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| 5 | Biphenyl | 92-52-4 | MKCS5928 | 99% | 1,008.0 µg/mL | +/- 29.630084 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

**Date Mixed:** 18-Jul-2024 **Balance:** 1128360905

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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# Certificate of Analysis

*gravimetric*

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**Catalog No. :** 555224 **Lot No.:** A0214017

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,2,4,5-Tetrachlorobenzene | 95-94-3 | MKCT9480 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
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| 5 | Biphenyl | 92-52-4 | MKCS5928 | 99% | 1,008.0 µg/mL | +/- 29.630084 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

**Date Mixed:** 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

## General Certified Reference Material Notes

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# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

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Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31615 **Lot No.:** A0212955

**Description :** GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** June 30, 2027 **Storage:** 10°C or colder

**Handling:** Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pentachlorophenol | 87-86-5 | RP240517RSR | 99% | 1,004.5 µg/mL | +/- 44.8902 |
| 2 | DFTPP (Decafluorotriphenylphosphine) | 5074-71-5 | Q117-147 | 99% | 1,004.5 µg/mL | +/- 44.8902 |
| 3 | Benzidine | 92-87-5 | S240430RSR | 99% | 1,006.0 µg/mL | +/- 44.9572 |
| 4 | 4,4'-DDT | 50-29-3 | S240530RSR | 97% | 1,000.1 µg/mL | +/- 44.6922 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12577 ↓ S12579 RC 8/2/24

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

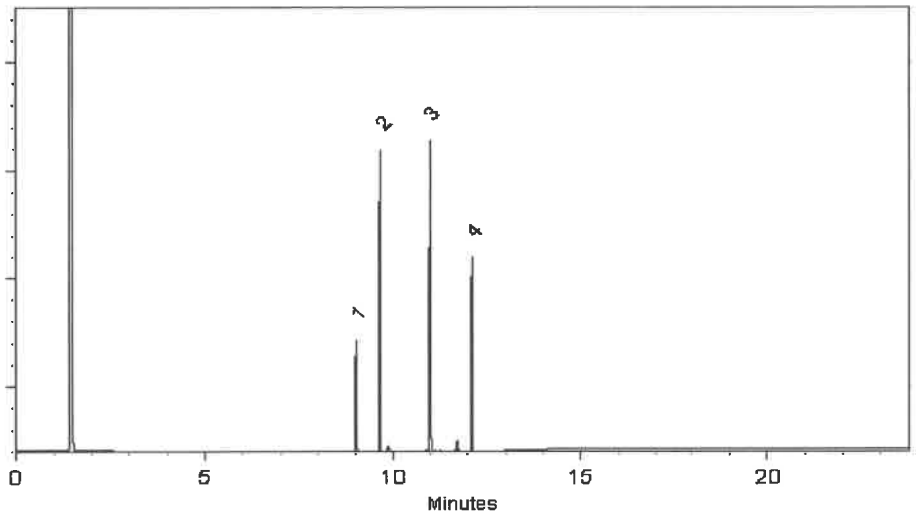
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
10 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

**Date Mixed:** 19-Jun-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 26-Jun-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

# Certificate of Analysis

*chromatographic plus*

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31206 **Lot No.:** A0212266

**Description :** SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2030 **Storage:** 10°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dichlorobenzene-d4 | 3855-82-1 | PR-30447 | 99% | 2,000.6 µg/mL | +/- 90.1075 |
| 2 | Naphthalene-d8 | 1146-65-2 | M-2180 | 99% | 2,000.3 µg/mL | +/- 90.0925 |
| 3 | Acenaphthene-d10 | 15067-26-2 | PR-33507 | 99% | 2,000.4 µg/mL | +/- 90.1000 |
| 4 | Phenanthrene-d10 | 1517-22-2 | PR-34099 | 99% | 2,000.5 µg/mL | +/- 90.1037 |
| 5 | Chrysene-d12 | 1719-03-5 | PR-33506 | 99% | 2,000.7 µg/mL | +/- 90.1112 |
| 6 | Perylene-d12 | 1520-96-3 | PR-33205 | 99% | 2,000.6 µg/mL | +/- 90.1075 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12645 ↓ S12674 AC 10/1/24

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

# Certificate of Analysis

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*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31206 **Lot No.:** A0212266

**Description :** SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2030 **Storage:** 10°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dichlorobenzene-d4 | 3855-82-1 | PR-30447 | 99% | 2,000.6 µg/mL | +/- 90.1075 |
| 2 | Naphthalene-d8 | 1146-65-2 | M-2180 | 99% | 2,000.3 µg/mL | +/- 90.0925 |
| 3 | Acenaphthene-d10 | 15067-26-2 | PR-33507 | 99% | 2,000.4 µg/mL | +/- 90.1000 |
| 4 | Phenanthrene-d10 | 1517-22-2 | PR-34099 | 99% | 2,000.5 µg/mL | +/- 90.1037 |
| 5 | Chrysene-d12 | 1719-03-5 | PR-33506 | 99% | 2,000.7 µg/mL | +/- 90.1112 |
| 6 | Perylene-d12 | 1520-96-3 | PR-33205 | 99% | 2,000.6 µg/mL | +/- 90.1075 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12645 ↓ S12674 AC 10/1/24

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# Certificate of Analysis

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31206 **Lot No.:** A0212266

**Description :** SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2030 **Storage:** 10°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dichlorobenzene-d4 | 3855-82-1 | PR-30447 | 99% | 2,000.6 µg/mL | +/- 90.1075 |
| 2 | Naphthalene-d8 | 1146-65-2 | M-2180 | 99% | 2,000.3 µg/mL | +/- 90.0925 |
| 3 | Acenaphthene-d10 | 15067-26-2 | PR-33507 | 99% | 2,000.4 µg/mL | +/- 90.1000 |
| 4 | Phenanthrene-d10 | 1517-22-2 | PR-34099 | 99% | 2,000.5 µg/mL | +/- 90.1037 |
| 5 | Chrysene-d12 | 1719-03-5 | PR-33506 | 99% | 2,000.7 µg/mL | +/- 90.1112 |
| 6 | Perylene-d12 | 1520-96-3 | PR-33205 | 99% | 2,000.6 µg/mL | +/- 90.1075 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12645 ↓ S12674 AC 10/1/24

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# Certificate of Analysis

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0219438

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBP6240 | 99% | 1,008.3 µg/mL | +/- 36.6849 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | S240313RSR | 99% | 1,008.6 µg/mL | +/- 36.6985 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.5 µg/mL | +/- 36.5120 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,002.9 µg/mL | +/- 36.4893 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | 002891T24M | 99% | 1,003.0 µg/mL | +/- 36.4938 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,005.6 µg/mL | +/- 36.5894 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,004.1 µg/mL | +/- 36.5348 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,002.1 µg/mL | +/- 36.4620 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,003.5 µg/mL | +/- 36.5120 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBL6287 | 99% | 1,005.3 µg/mL | +/- 36.5757 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,008.4 µg/mL | +/- 36.6894 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,004.6 µg/mL | +/- 36.5530 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 502.1 µg/mL | +/- 18.2697 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.8 µg/mL | +/- 18.3288 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,006.5 µg/mL | +/- 36.6212 |
| 16 | Hexachloroethane | 67-72-1 | DAXRI | 99% | 1,004.5 µg/mL | +/- 36.5484 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,002.5 µg/mL | +/- 36.4757 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCR3249 | 99% | 1,003.4 | µg/mL | +/- 36.5075 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,002.5 | µg/mL | +/- 36.4757 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,006.5 | µg/mL | +/- 36.6212 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 15705100 | 99% | 1,006.6 | µg/mL | +/- 36.6257 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCCK6969 | 99% | 1,001.5 | µg/mL | +/- 36.4393 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,006.4 | µg/mL | +/- 36.6166 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,002.1 | µg/mL | +/- 36.4620 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,004.4 | µg/mL | +/- 36.5439 |
| 26 | Hexachlorobutadiene | 87-68-3 | X05J | 98% | 1,002.5 | µg/mL | +/- 36.4771 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,004.5 | µg/mL | +/- 36.5484 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBL3028 | 99% | 1,000.0 | µg/mL | +/- 36.3847 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 990.2 | µg/mL | +/- 36.0269 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,001.3 | µg/mL | +/- 36.4325 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBK8870 | 99% | 1,006.4 | µg/mL | +/- 36.6166 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | 3YFRE | 97% | 1,004.6 | µg/mL | +/- 36.5505 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,004.3 | µg/mL | +/- 36.5393 |
| 34 | 2-Nitroaniline | 88-74-4 | RP240715RSR | 99% | 1,004.4 | µg/mL | +/- 36.5439 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP240703RSR | 99% | 1,002.8 | µg/mL | +/- 36.4847 |
| 36 | Acenaphthylene | 208-96-8 | RP241029RSR | 98% | 1,000.0 | µg/mL | +/- 36.3835 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | TRC3-1075941-2-1 | 99% | 1,006.3 | µg/mL | +/- 36.6121 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,008.9 | µg/mL | +/- 36.7076 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,006.6 | µg/mL | +/- 36.6257 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP240701RSR | 99% | 1,002.5 | µg/mL | +/- 36.4757 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,000.0 | µg/mL | +/- 36.3847 |
| 42 | 3-Nitroaniline | 99-09-2 | RP240708RSR | 99% | 1,004.6 | µg/mL | +/- 36.5530 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | D240927RSR | ----% | 1,005.6 | µg/mL | +/- 36.5894 |
| 44 | Dibenzofuran | 132-64-9 | MKCN1772 | 99% | 1,003.5 | µg/mL | +/- 36.5120 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | 102869V26E | 99% | 1,008.3 | µg/mL | +/- 36.6849 |
| 46 | 4-Nitrophenol | 100-02-7 | 20241029-2-AN | 99% | 1,004.8 | µg/mL | +/- 36.5575 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-34476 | 99% | 1,005.8 | µg/mL | +/- 36.5939 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP231219RSR | 99% | 1,006.4 | µg/mL | +/- 36.6166 |
| 49 | Fluorene | 86-73-7 | 10246250 | 98% | 1,000.7 | µg/mL | +/- 36.4102 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,004.9 | µg/mL | +/- 36.5621 |
| 51 | Diethylphthalate | 84-66-2 | BCCJ6241 | 99% | 1,003.9 | µg/mL | +/- 36.5257 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,006.6 | µg/mL | +/- 36.6257 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | S241008RSR | 99% | 1,001.3 | µg/mL | +/- 36.4302 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCT1512 | 99% | 1,003.0 | µg/mL | +/- 36.4938 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,002.4 | µg/mL | +/- 36.4711 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,008.8 | µg/mL | +/- 36.7031 |
| 57 | Hexachlorobenzene | 118-74-1 | 15458400 | 99% | 1,005.1 | µg/mL | +/- 36.5712 |
| 58 | Pentachlorophenol | 87-86-5 | RP240517RSR | 99% | 1,005.9 | µg/mL | +/- 36.5984 |
| 59 | Phenanthrene | 85-01-8 | MKCT3391 | 99% | 1,004.9 | µg/mL | +/- 36.5621 |
| 60 | Anthracene | 120-12-7 | 101492T18R | 99% | 1,005.1 | µg/mL | +/- 36.5712 |
| 61 | Carbazole | 86-74-8 | 15276700 | 99% | 1,005.4 | µg/mL | +/- 36.5803 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,006.3 | µg/mL | +/- 36.6121 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,003.5 | µg/mL | +/- 36.5120 |
| 64 | Pyrene | 129-00-0 | BCCK2592 | 99% | 1,002.0 | µg/mL | +/- 36.4575 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,007.5 | µg/mL | +/- 36.6576 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.9 | µg/mL | +/- 36.5984 |
| 67 | Benz(a)anthracene | 56-55-3 | I70012022BAA | 99% | 1,005.5 | µg/mL | +/- 36.5848 |
| 68 | Chrysene | 218-01-9 | RP241007RSR | 99% | 1,005.3 | µg/mL | +/- 36.5757 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCS8065 | 99% | 1,007.5 | µg/mL | +/- 36.6576 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 15566400 | 99% | 1,002.3 | µg/mL | +/- 36.4666 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 052013B | 99% | 1,004.1 | µg/mL | +/- 36.5348 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,002.8 | µg/mL | +/- 36.4847 |
| 73 | Benzo(a)pyrene | 50-32-8 | NQLXA | 98% | 1,006.2 | µg/mL | +/- 36.6108 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,001.8 | µg/mL | +/- 36.4490 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,003.3 | µg/mL | +/- 36.5029 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP241014RSR | 98% | 1,003.8 | µg/mL | +/- 36.5217 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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# Certificate of Analysis

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0219438

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBP6240 | 99% | 1,008.3 µg/mL | +/- 36.6849 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | S240313RSR | 99% | 1,008.6 µg/mL | +/- 36.6985 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.5 µg/mL | +/- 36.5120 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,002.9 µg/mL | +/- 36.4893 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | 002891T24M | 99% | 1,003.0 µg/mL | +/- 36.4938 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,005.6 µg/mL | +/- 36.5894 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,004.1 µg/mL | +/- 36.5348 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,002.1 µg/mL | +/- 36.4620 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,003.5 µg/mL | +/- 36.5120 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBL6287 | 99% | 1,005.3 µg/mL | +/- 36.5757 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,008.4 µg/mL | +/- 36.6894 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,004.6 µg/mL | +/- 36.5530 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 502.1 µg/mL | +/- 18.2697 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.8 µg/mL | +/- 18.3288 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,006.5 µg/mL | +/- 36.6212 |
| 16 | Hexachloroethane | 67-72-1 | DAXRI | 99% | 1,004.5 µg/mL | +/- 36.5484 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,002.5 µg/mL | +/- 36.4757 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCR3249 | 99% | 1,003.4 | µg/mL | +/- 36.5075 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,002.5 | µg/mL | +/- 36.4757 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,006.5 | µg/mL | +/- 36.6212 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 15705100 | 99% | 1,006.6 | µg/mL | +/- 36.6257 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCCK6969 | 99% | 1,001.5 | µg/mL | +/- 36.4393 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,006.4 | µg/mL | +/- 36.6166 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,002.1 | µg/mL | +/- 36.4620 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,004.4 | µg/mL | +/- 36.5439 |
| 26 | Hexachlorobutadiene | 87-68-3 | X05J | 98% | 1,002.5 | µg/mL | +/- 36.4771 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,004.5 | µg/mL | +/- 36.5484 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBL3028 | 99% | 1,000.0 | µg/mL | +/- 36.3847 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 990.2 | µg/mL | +/- 36.0269 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,001.3 | µg/mL | +/- 36.4325 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBK8870 | 99% | 1,006.4 | µg/mL | +/- 36.6166 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | 3YFRE | 97% | 1,004.6 | µg/mL | +/- 36.5505 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,004.3 | µg/mL | +/- 36.5393 |
| 34 | 2-Nitroaniline | 88-74-4 | RP240715RSR | 99% | 1,004.4 | µg/mL | +/- 36.5439 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP240703RSR | 99% | 1,002.8 | µg/mL | +/- 36.4847 |
| 36 | Acenaphthylene | 208-96-8 | RP241029RSR | 98% | 1,000.0 | µg/mL | +/- 36.3835 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | TRC3-1075941-2-1 | 99% | 1,006.3 | µg/mL | +/- 36.6121 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,008.9 | µg/mL | +/- 36.7076 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,006.6 | µg/mL | +/- 36.6257 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP240701RSR | 99% | 1,002.5 | µg/mL | +/- 36.4757 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,000.0 | µg/mL | +/- 36.3847 |
| 42 | 3-Nitroaniline | 99-09-2 | RP240708RSR | 99% | 1,004.6 | µg/mL | +/- 36.5530 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | D240927RSR | ----% | 1,005.6 | µg/mL | +/- 36.5894 |
| 44 | Dibenzofuran | 132-64-9 | MKCN1772 | 99% | 1,003.5 | µg/mL | +/- 36.5120 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | 102869V26E | 99% | 1,008.3 | µg/mL | +/- 36.6849 |
| 46 | 4-Nitrophenol | 100-02-7 | 20241029-2-AN | 99% | 1,004.8 | µg/mL | +/- 36.5575 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-34476 | 99% | 1,005.8 | µg/mL | +/- 36.5939 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP231219RSR | 99% | 1,006.4 | µg/mL | +/- 36.6166 |
| 49 | Fluorene | 86-73-7 | 10246250 | 98% | 1,000.7 | µg/mL | +/- 36.4102 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,004.9 | µg/mL | +/- 36.5621 |
| 51 | Diethylphthalate | 84-66-2 | BCCJ6241 | 99% | 1,003.9 | µg/mL | +/- 36.5257 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,006.6 | µg/mL | +/- 36.6257 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | S241008RSR | 99% | 1,001.3 | µg/mL | +/- 36.4302 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCT1512 | 99% | 1,003.0 | µg/mL | +/- 36.4938 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,002.4 | µg/mL | +/- 36.4711 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,008.8 | µg/mL | +/- 36.7031 |
| 57 | Hexachlorobenzene | 118-74-1 | 15458400 | 99% | 1,005.1 | µg/mL | +/- 36.5712 |
| 58 | Pentachlorophenol | 87-86-5 | RP240517RSR | 99% | 1,005.9 | µg/mL | +/- 36.5984 |
| 59 | Phenanthrene | 85-01-8 | MKCT3391 | 99% | 1,004.9 | µg/mL | +/- 36.5621 |
| 60 | Anthracene | 120-12-7 | 101492T18R | 99% | 1,005.1 | µg/mL | +/- 36.5712 |
| 61 | Carbazole | 86-74-8 | 15276700 | 99% | 1,005.4 | µg/mL | +/- 36.5803 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,006.3 | µg/mL | +/- 36.6121 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,003.5 | µg/mL | +/- 36.5120 |
| 64 | Pyrene | 129-00-0 | BCCK2592 | 99% | 1,002.0 | µg/mL | +/- 36.4575 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,007.5 | µg/mL | +/- 36.6576 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.9 | µg/mL | +/- 36.5984 |
| 67 | Benz(a)anthracene | 56-55-3 | I70012022BAA | 99% | 1,005.5 | µg/mL | +/- 36.5848 |
| 68 | Chrysene | 218-01-9 | RP241007RSR | 99% | 1,005.3 | µg/mL | +/- 36.5757 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCS8065 | 99% | 1,007.5 | µg/mL | +/- 36.6576 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 15566400 | 99% | 1,002.3 | µg/mL | +/- 36.4666 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 052013B | 99% | 1,004.1 | µg/mL | +/- 36.5348 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,002.8 | µg/mL | +/- 36.4847 |
| 73 | Benzo(a)pyrene | 50-32-8 | NQLXA | 98% | 1,006.2 | µg/mL | +/- 36.6108 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,001.8 | µg/mL | +/- 36.4490 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,003.3 | µg/mL | +/- 36.5029 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP241014RSR | 98% | 1,003.8 | µg/mL | +/- 36.5217 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0219438

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBP6240 | 99% | 1,008.3 µg/mL | +/- 36.6849 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | S240313RSR | 99% | 1,008.6 µg/mL | +/- 36.6985 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.5 µg/mL | +/- 36.5120 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,002.9 µg/mL | +/- 36.4893 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | 002891T24M | 99% | 1,003.0 µg/mL | +/- 36.4938 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,005.6 µg/mL | +/- 36.5894 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,004.1 µg/mL | +/- 36.5348 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,002.1 µg/mL | +/- 36.4620 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,003.5 µg/mL | +/- 36.5120 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBL6287 | 99% | 1,005.3 µg/mL | +/- 36.5757 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,008.4 µg/mL | +/- 36.6894 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,004.6 µg/mL | +/- 36.5530 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 502.1 µg/mL | +/- 18.2697 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.8 µg/mL | +/- 18.3288 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,006.5 µg/mL | +/- 36.6212 |
| 16 | Hexachloroethane | 67-72-1 | DAXRI | 99% | 1,004.5 µg/mL | +/- 36.5484 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,002.5 µg/mL | +/- 36.4757 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCR3249 | 99% | 1,003.4 | µg/mL | +/- 36.5075 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,002.5 | µg/mL | +/- 36.4757 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,006.5 | µg/mL | +/- 36.6212 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 15705100 | 99% | 1,006.6 | µg/mL | +/- 36.6257 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCCK6969 | 99% | 1,001.5 | µg/mL | +/- 36.4393 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,006.4 | µg/mL | +/- 36.6166 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,002.1 | µg/mL | +/- 36.4620 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,004.4 | µg/mL | +/- 36.5439 |
| 26 | Hexachlorobutadiene | 87-68-3 | X05J | 98% | 1,002.5 | µg/mL | +/- 36.4771 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,004.5 | µg/mL | +/- 36.5484 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBL3028 | 99% | 1,000.0 | µg/mL | +/- 36.3847 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 990.2 | µg/mL | +/- 36.0269 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,001.3 | µg/mL | +/- 36.4325 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBK8870 | 99% | 1,006.4 | µg/mL | +/- 36.6166 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | 3YFRE | 97% | 1,004.6 | µg/mL | +/- 36.5505 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,004.3 | µg/mL | +/- 36.5393 |
| 34 | 2-Nitroaniline | 88-74-4 | RP240715RSR | 99% | 1,004.4 | µg/mL | +/- 36.5439 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP240703RSR | 99% | 1,002.8 | µg/mL | +/- 36.4847 |
| 36 | Acenaphthylene | 208-96-8 | RP241029RSR | 98% | 1,000.0 | µg/mL | +/- 36.3835 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | TRC3-1075941-2-1 | 99% | 1,006.3 | µg/mL | +/- 36.6121 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,008.9 | µg/mL | +/- 36.7076 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,006.6 | µg/mL | +/- 36.6257 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP240701RSR | 99% | 1,002.5 | µg/mL | +/- 36.4757 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,000.0 | µg/mL | +/- 36.3847 |
| 42 | 3-Nitroaniline | 99-09-2 | RP240708RSR | 99% | 1,004.6 | µg/mL | +/- 36.5530 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | D240927RSR | ----% | 1,005.6 | µg/mL | +/- 36.5894 |
| 44 | Dibenzofuran | 132-64-9 | MKCN1772 | 99% | 1,003.5 | µg/mL | +/- 36.5120 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | 102869V26E | 99% | 1,008.3 | µg/mL | +/- 36.6849 |
| 46 | 4-Nitrophenol | 100-02-7 | 20241029-2-AN | 99% | 1,004.8 | µg/mL | +/- 36.5575 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-34476 | 99% | 1,005.8 | µg/mL | +/- 36.5939 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP231219RSR | 99% | 1,006.4 | µg/mL | +/- 36.6166 |
| 49 | Fluorene | 86-73-7 | 10246250 | 98% | 1,000.7 | µg/mL | +/- 36.4102 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,004.9 | µg/mL | +/- 36.5621 |
| 51 | Diethylphthalate | 84-66-2 | BCCJ6241 | 99% | 1,003.9 | µg/mL | +/- 36.5257 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,006.6 | µg/mL | +/- 36.6257 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | S241008RSR | 99% | 1,001.3 | µg/mL | +/- 36.4302 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCT1512 | 99% | 1,003.0 | µg/mL | +/- 36.4938 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,002.4 | µg/mL | +/- 36.4711 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,008.8 | µg/mL | +/- 36.7031 |
| 57 | Hexachlorobenzene | 118-74-1 | 15458400 | 99% | 1,005.1 | µg/mL | +/- 36.5712 |
| 58 | Pentachlorophenol | 87-86-5 | RP240517RSR | 99% | 1,005.9 | µg/mL | +/- 36.5984 |
| 59 | Phenanthrene | 85-01-8 | MKCT3391 | 99% | 1,004.9 | µg/mL | +/- 36.5621 |
| 60 | Anthracene | 120-12-7 | 101492T18R | 99% | 1,005.1 | µg/mL | +/- 36.5712 |
| 61 | Carbazole | 86-74-8 | 15276700 | 99% | 1,005.4 | µg/mL | +/- 36.5803 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,006.3 | µg/mL | +/- 36.6121 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,003.5 | µg/mL | +/- 36.5120 |
| 64 | Pyrene | 129-00-0 | BCCK2592 | 99% | 1,002.0 | µg/mL | +/- 36.4575 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,007.5 | µg/mL | +/- 36.6576 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.9 | µg/mL | +/- 36.5984 |
| 67 | Benz(a)anthracene | 56-55-3 | I70012022BAA | 99% | 1,005.5 | µg/mL | +/- 36.5848 |
| 68 | Chrysene | 218-01-9 | RP241007RSR | 99% | 1,005.3 | µg/mL | +/- 36.5757 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCS8065 | 99% | 1,007.5 | µg/mL | +/- 36.6576 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 15566400 | 99% | 1,002.3 | µg/mL | +/- 36.4666 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 052013B | 99% | 1,004.1 | µg/mL | +/- 36.5348 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,002.8 | µg/mL | +/- 36.4847 |
| 73 | Benzo(a)pyrene | 50-32-8 | NQLXA | 98% | 1,006.2 | µg/mL | +/- 36.6108 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,001.8 | µg/mL | +/- 36.4490 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,003.3 | µg/mL | +/- 36.5029 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP241014RSR | 98% | 1,003.8 | µg/mL | +/- 36.5217 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0219438

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBP6240 | 99% | 1,008.3 µg/mL | +/- 36.6849 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | S240313RSR | 99% | 1,008.6 µg/mL | +/- 36.6985 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.5 µg/mL | +/- 36.5120 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,002.9 µg/mL | +/- 36.4893 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | 002891T24M | 99% | 1,003.0 µg/mL | +/- 36.4938 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,005.6 µg/mL | +/- 36.5894 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,004.1 µg/mL | +/- 36.5348 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,002.1 µg/mL | +/- 36.4620 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,003.5 µg/mL | +/- 36.5120 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBL6287 | 99% | 1,005.3 µg/mL | +/- 36.5757 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,008.4 µg/mL | +/- 36.6894 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,004.6 µg/mL | +/- 36.5530 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 502.1 µg/mL | +/- 18.2697 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.8 µg/mL | +/- 18.3288 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,006.5 µg/mL | +/- 36.6212 |
| 16 | Hexachloroethane | 67-72-1 | DAXRI | 99% | 1,004.5 µg/mL | +/- 36.5484 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,002.5 µg/mL | +/- 36.4757 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCR3249 | 99% | 1,003.4 | µg/mL | +/- 36.5075 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,002.5 | µg/mL | +/- 36.4757 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,006.5 | µg/mL | +/- 36.6212 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 15705100 | 99% | 1,006.6 | µg/mL | +/- 36.6257 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCCK6969 | 99% | 1,001.5 | µg/mL | +/- 36.4393 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,006.4 | µg/mL | +/- 36.6166 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,002.1 | µg/mL | +/- 36.4620 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,004.4 | µg/mL | +/- 36.5439 |
| 26 | Hexachlorobutadiene | 87-68-3 | X05J | 98% | 1,002.5 | µg/mL | +/- 36.4771 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,004.5 | µg/mL | +/- 36.5484 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBL3028 | 99% | 1,000.0 | µg/mL | +/- 36.3847 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 990.2 | µg/mL | +/- 36.0269 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,001.3 | µg/mL | +/- 36.4325 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBK8870 | 99% | 1,006.4 | µg/mL | +/- 36.6166 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | 3YFRE | 97% | 1,004.6 | µg/mL | +/- 36.5505 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,004.3 | µg/mL | +/- 36.5393 |
| 34 | 2-Nitroaniline | 88-74-4 | RP240715RSR | 99% | 1,004.4 | µg/mL | +/- 36.5439 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP240703RSR | 99% | 1,002.8 | µg/mL | +/- 36.4847 |
| 36 | Acenaphthylene | 208-96-8 | RP241029RSR | 98% | 1,000.0 | µg/mL | +/- 36.3835 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | TRC3-1075941-2-1 | 99% | 1,006.3 | µg/mL | +/- 36.6121 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,008.9 | µg/mL | +/- 36.7076 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,006.6 | µg/mL | +/- 36.6257 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP240701RSR | 99% | 1,002.5 | µg/mL | +/- 36.4757 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,000.0 | µg/mL | +/- 36.3847 |
| 42 | 3-Nitroaniline | 99-09-2 | RP240708RSR | 99% | 1,004.6 | µg/mL | +/- 36.5530 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | D240927RSR | ----% | 1,005.6 | µg/mL | +/- 36.5894 |
| 44 | Dibenzofuran | 132-64-9 | MKCN1772 | 99% | 1,003.5 | µg/mL | +/- 36.5120 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | 102869V26E | 99% | 1,008.3 | µg/mL | +/- 36.6849 |
| 46 | 4-Nitrophenol | 100-02-7 | 20241029-2-AN | 99% | 1,004.8 | µg/mL | +/- 36.5575 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-34476 | 99% | 1,005.8 | µg/mL | +/- 36.5939 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP231219RSR | 99% | 1,006.4 | µg/mL | +/- 36.6166 |
| 49 | Fluorene | 86-73-7 | 10246250 | 98% | 1,000.7 | µg/mL | +/- 36.4102 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,004.9 | µg/mL | +/- 36.5621 |
| 51 | Diethylphthalate | 84-66-2 | BCCJ6241 | 99% | 1,003.9 | µg/mL | +/- 36.5257 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,006.6 | µg/mL | +/- 36.6257 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | S241008RSR | 99% | 1,001.3 | µg/mL | +/- 36.4302 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCT1512 | 99% | 1,003.0 | µg/mL | +/- 36.4938 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,002.4 | µg/mL | +/- 36.4711 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,008.8 | µg/mL | +/- 36.7031 |
| 57 | Hexachlorobenzene | 118-74-1 | 15458400 | 99% | 1,005.1 | µg/mL | +/- 36.5712 |
| 58 | Pentachlorophenol | 87-86-5 | RP240517RSR | 99% | 1,005.9 | µg/mL | +/- 36.5984 |
| 59 | Phenanthrene | 85-01-8 | MKCT3391 | 99% | 1,004.9 | µg/mL | +/- 36.5621 |
| 60 | Anthracene | 120-12-7 | 101492T18R | 99% | 1,005.1 | µg/mL | +/- 36.5712 |
| 61 | Carbazole | 86-74-8 | 15276700 | 99% | 1,005.4 | µg/mL | +/- 36.5803 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,006.3 | µg/mL | +/- 36.6121 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,003.5 | µg/mL | +/- 36.5120 |
| 64 | Pyrene | 129-00-0 | BCCK2592 | 99% | 1,002.0 | µg/mL | +/- 36.4575 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,007.5 | µg/mL | +/- 36.6576 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.9 | µg/mL | +/- 36.5984 |
| 67 | Benz(a)anthracene | 56-55-3 | I70012022BAA | 99% | 1,005.5 | µg/mL | +/- 36.5848 |
| 68 | Chrysene | 218-01-9 | RP241007RSR | 99% | 1,005.3 | µg/mL | +/- 36.5757 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCS8065 | 99% | 1,007.5 | µg/mL | +/- 36.6576 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 15566400 | 99% | 1,002.3 | µg/mL | +/- 36.4666 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 052013B | 99% | 1,004.1 | µg/mL | +/- 36.5348 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,002.8 | µg/mL | +/- 36.4847 |
| 73 | Benzo(a)pyrene | 50-32-8 | NQLXA | 98% | 1,006.2 | µg/mL | +/- 36.6108 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,001.8 | µg/mL | +/- 36.4490 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,003.3 | µg/mL | +/- 36.5029 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP241014RSR | 98% | 1,003.8 | µg/mL | +/- 36.5217 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0219438

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBP6240 | 99% | 1,008.3 µg/mL | +/- 36.6849 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | S240313RSR | 99% | 1,008.6 µg/mL | +/- 36.6985 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.5 µg/mL | +/- 36.5120 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,002.9 µg/mL | +/- 36.4893 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | 002891T24M | 99% | 1,003.0 µg/mL | +/- 36.4938 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,005.6 µg/mL | +/- 36.5894 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,004.1 µg/mL | +/- 36.5348 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,002.1 µg/mL | +/- 36.4620 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,003.5 µg/mL | +/- 36.5120 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBL6287 | 99% | 1,005.3 µg/mL | +/- 36.5757 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,008.4 µg/mL | +/- 36.6894 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,004.6 µg/mL | +/- 36.5530 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 502.1 µg/mL | +/- 18.2697 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.8 µg/mL | +/- 18.3288 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,006.5 µg/mL | +/- 36.6212 |
| 16 | Hexachloroethane | 67-72-1 | DAXRI | 99% | 1,004.5 µg/mL | +/- 36.5484 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,002.5 µg/mL | +/- 36.4757 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCR3249 | 99% | 1,003.4 | µg/mL | +/- 36.5075 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,002.5 | µg/mL | +/- 36.4757 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,006.5 | µg/mL | +/- 36.6212 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 15705100 | 99% | 1,006.6 | µg/mL | +/- 36.6257 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCCK6969 | 99% | 1,001.5 | µg/mL | +/- 36.4393 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,006.4 | µg/mL | +/- 36.6166 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,002.1 | µg/mL | +/- 36.4620 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,004.4 | µg/mL | +/- 36.5439 |
| 26 | Hexachlorobutadiene | 87-68-3 | X05J | 98% | 1,002.5 | µg/mL | +/- 36.4771 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,004.5 | µg/mL | +/- 36.5484 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBL3028 | 99% | 1,000.0 | µg/mL | +/- 36.3847 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 990.2 | µg/mL | +/- 36.0269 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,001.3 | µg/mL | +/- 36.4325 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBK8870 | 99% | 1,006.4 | µg/mL | +/- 36.6166 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | 3YFRE | 97% | 1,004.6 | µg/mL | +/- 36.5505 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,004.3 | µg/mL | +/- 36.5393 |
| 34 | 2-Nitroaniline | 88-74-4 | RP240715RSR | 99% | 1,004.4 | µg/mL | +/- 36.5439 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP240703RSR | 99% | 1,002.8 | µg/mL | +/- 36.4847 |
| 36 | Acenaphthylene | 208-96-8 | RP241029RSR | 98% | 1,000.0 | µg/mL | +/- 36.3835 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | TRC3-1075941-2-1 | 99% | 1,006.3 | µg/mL | +/- 36.6121 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,008.9 | µg/mL | +/- 36.7076 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,006.6 | µg/mL | +/- 36.6257 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP240701RSR | 99% | 1,002.5 | µg/mL | +/- 36.4757 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,000.0 | µg/mL | +/- 36.3847 |
| 42 | 3-Nitroaniline | 99-09-2 | RP240708RSR | 99% | 1,004.6 | µg/mL | +/- 36.5530 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | D240927RSR | ----% | 1,005.6 | µg/mL | +/- 36.5894 |
| 44 | Dibenzofuran | 132-64-9 | MKCN1772 | 99% | 1,003.5 | µg/mL | +/- 36.5120 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | 102869V26E | 99% | 1,008.3 | µg/mL | +/- 36.6849 |
| 46 | 4-Nitrophenol | 100-02-7 | 20241029-2-AN | 99% | 1,004.8 | µg/mL | +/- 36.5575 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-34476 | 99% | 1,005.8 | µg/mL | +/- 36.5939 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP231219RSR | 99% | 1,006.4 | µg/mL | +/- 36.6166 |
| 49 | Fluorene | 86-73-7 | 10246250 | 98% | 1,000.7 | µg/mL | +/- 36.4102 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,004.9 | µg/mL | +/- 36.5621 |
| 51 | Diethylphthalate | 84-66-2 | BCCJ6241 | 99% | 1,003.9 | µg/mL | +/- 36.5257 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,006.6 | µg/mL | +/- 36.6257 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | S241008RSR | 99% | 1,001.3 | µg/mL | +/- 36.4302 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCT1512 | 99% | 1,003.0 | µg/mL | +/- 36.4938 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,002.4 | µg/mL | +/- 36.4711 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,008.8 | µg/mL | +/- 36.7031 |
| 57 | Hexachlorobenzene | 118-74-1 | 15458400 | 99% | 1,005.1 | µg/mL | +/- 36.5712 |
| 58 | Pentachlorophenol | 87-86-5 | RP240517RSR | 99% | 1,005.9 | µg/mL | +/- 36.5984 |
| 59 | Phenanthrene | 85-01-8 | MKCT3391 | 99% | 1,004.9 | µg/mL | +/- 36.5621 |
| 60 | Anthracene | 120-12-7 | 101492T18R | 99% | 1,005.1 | µg/mL | +/- 36.5712 |
| 61 | Carbazole | 86-74-8 | 15276700 | 99% | 1,005.4 | µg/mL | +/- 36.5803 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,006.3 | µg/mL | +/- 36.6121 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,003.5 | µg/mL | +/- 36.5120 |
| 64 | Pyrene | 129-00-0 | BCCK2592 | 99% | 1,002.0 | µg/mL | +/- 36.4575 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,007.5 | µg/mL | +/- 36.6576 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.9 | µg/mL | +/- 36.5984 |
| 67 | Benz(a)anthracene | 56-55-3 | I70012022BAA | 99% | 1,005.5 | µg/mL | +/- 36.5848 |
| 68 | Chrysene | 218-01-9 | RP241007RSR | 99% | 1,005.3 | µg/mL | +/- 36.5757 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCS8065 | 99% | 1,007.5 | µg/mL | +/- 36.6576 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 15566400 | 99% | 1,002.3 | µg/mL | +/- 36.4666 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 052013B | 99% | 1,004.1 | µg/mL | +/- 36.5348 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,002.8 | µg/mL | +/- 36.4847 |
| 73 | Benzo(a)pyrene | 50-32-8 | NQLXA | 98% | 1,006.2 | µg/mL | +/- 36.6108 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,001.8 | µg/mL | +/- 36.4490 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,003.3 | µg/mL | +/- 36.5029 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP241014RSR | 98% | 1,003.8 | µg/mL | +/- 36.5217 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0219438

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBP6240 | 99% | 1,008.3 µg/mL | +/- 36.6849 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | S240313RSR | 99% | 1,008.6 µg/mL | +/- 36.6985 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.5 µg/mL | +/- 36.5120 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,002.9 µg/mL | +/- 36.4893 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | 002891T24M | 99% | 1,003.0 µg/mL | +/- 36.4938 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,005.6 µg/mL | +/- 36.5894 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,004.1 µg/mL | +/- 36.5348 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,002.1 µg/mL | +/- 36.4620 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,003.5 µg/mL | +/- 36.5120 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBL6287 | 99% | 1,005.3 µg/mL | +/- 36.5757 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,008.4 µg/mL | +/- 36.6894 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,004.6 µg/mL | +/- 36.5530 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 502.1 µg/mL | +/- 18.2697 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.8 µg/mL | +/- 18.3288 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,006.5 µg/mL | +/- 36.6212 |
| 16 | Hexachloroethane | 67-72-1 | DAXRI | 99% | 1,004.5 µg/mL | +/- 36.5484 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,002.5 µg/mL | +/- 36.4757 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCR3249 | 99% | 1,003.4 | µg/mL | +/- 36.5075 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,002.5 | µg/mL | +/- 36.4757 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,006.5 | µg/mL | +/- 36.6212 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 15705100 | 99% | 1,006.6 | µg/mL | +/- 36.6257 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCCK6969 | 99% | 1,001.5 | µg/mL | +/- 36.4393 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,006.4 | µg/mL | +/- 36.6166 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,002.1 | µg/mL | +/- 36.4620 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,004.4 | µg/mL | +/- 36.5439 |
| 26 | Hexachlorobutadiene | 87-68-3 | X05J | 98% | 1,002.5 | µg/mL | +/- 36.4771 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,004.5 | µg/mL | +/- 36.5484 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBL3028 | 99% | 1,000.0 | µg/mL | +/- 36.3847 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 990.2 | µg/mL | +/- 36.0269 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,001.3 | µg/mL | +/- 36.4325 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBK8870 | 99% | 1,006.4 | µg/mL | +/- 36.6166 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | 3YFRE | 97% | 1,004.6 | µg/mL | +/- 36.5505 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,004.3 | µg/mL | +/- 36.5393 |
| 34 | 2-Nitroaniline | 88-74-4 | RP240715RSR | 99% | 1,004.4 | µg/mL | +/- 36.5439 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP240703RSR | 99% | 1,002.8 | µg/mL | +/- 36.4847 |
| 36 | Acenaphthylene | 208-96-8 | RP241029RSR | 98% | 1,000.0 | µg/mL | +/- 36.3835 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | TRC3-1075941-2-1 | 99% | 1,006.3 | µg/mL | +/- 36.6121 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,008.9 | µg/mL | +/- 36.7076 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,006.6 | µg/mL | +/- 36.6257 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP240701RSR | 99% | 1,002.5 | µg/mL | +/- 36.4757 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,000.0 | µg/mL | +/- 36.3847 |
| 42 | 3-Nitroaniline | 99-09-2 | RP240708RSR | 99% | 1,004.6 | µg/mL | +/- 36.5530 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | D240927RSR | ----% | 1,005.6 | µg/mL | +/- 36.5894 |
| 44 | Dibenzofuran | 132-64-9 | MKCN1772 | 99% | 1,003.5 | µg/mL | +/- 36.5120 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | 102869V26E | 99% | 1,008.3 | µg/mL | +/- 36.6849 |
| 46 | 4-Nitrophenol | 100-02-7 | 20241029-2-AN | 99% | 1,004.8 | µg/mL | +/- 36.5575 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-34476 | 99% | 1,005.8 | µg/mL | +/- 36.5939 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP231219RSR | 99% | 1,006.4 | µg/mL | +/- 36.6166 |
| 49 | Fluorene | 86-73-7 | 10246250 | 98% | 1,000.7 | µg/mL | +/- 36.4102 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,004.9 | µg/mL | +/- 36.5621 |
| 51 | Diethylphthalate | 84-66-2 | BCCJ6241 | 99% | 1,003.9 | µg/mL | +/- 36.5257 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,006.6 | µg/mL | +/- 36.6257 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | S241008RSR | 99% | 1,001.3 | µg/mL | +/- 36.4302 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCT1512 | 99% | 1,003.0 | µg/mL | +/- 36.4938 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,002.4 | µg/mL | +/- 36.4711 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,008.8 | µg/mL | +/- 36.7031 |
| 57 | Hexachlorobenzene | 118-74-1 | 15458400 | 99% | 1,005.1 | µg/mL | +/- 36.5712 |
| 58 | Pentachlorophenol | 87-86-5 | RP240517RSR | 99% | 1,005.9 | µg/mL | +/- 36.5984 |
| 59 | Phenanthrene | 85-01-8 | MKCT3391 | 99% | 1,004.9 | µg/mL | +/- 36.5621 |
| 60 | Anthracene | 120-12-7 | 101492T18R | 99% | 1,005.1 | µg/mL | +/- 36.5712 |
| 61 | Carbazole | 86-74-8 | 15276700 | 99% | 1,005.4 | µg/mL | +/- 36.5803 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,006.3 | µg/mL | +/- 36.6121 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,003.5 | µg/mL | +/- 36.5120 |
| 64 | Pyrene | 129-00-0 | BCCK2592 | 99% | 1,002.0 | µg/mL | +/- 36.4575 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,007.5 | µg/mL | +/- 36.6576 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.9 | µg/mL | +/- 36.5984 |
| 67 | Benz(a)anthracene | 56-55-3 | I70012022BAA | 99% | 1,005.5 | µg/mL | +/- 36.5848 |
| 68 | Chrysene | 218-01-9 | RP241007RSR | 99% | 1,005.3 | µg/mL | +/- 36.5757 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCS8065 | 99% | 1,007.5 | µg/mL | +/- 36.6576 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 15566400 | 99% | 1,002.3 | µg/mL | +/- 36.4666 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 052013B | 99% | 1,004.1 | µg/mL | +/- 36.5348 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,002.8 | µg/mL | +/- 36.4847 |
| 73 | Benzo(a)pyrene | 50-32-8 | NQLXA | 98% | 1,006.2 | µg/mL | +/- 36.6108 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,001.8 | µg/mL | +/- 36.4490 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,003.3 | µg/mL | +/- 36.5029 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP241014RSR | 98% | 1,003.8 | µg/mL | +/- 36.5217 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

RESTEK
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Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0219438

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBP6240 | 99% | 1,008.3 µg/mL | +/- 36.6849 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | S240313RSR | 99% | 1,008.6 µg/mL | +/- 36.6985 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.5 µg/mL | +/- 36.5120 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,002.9 µg/mL | +/- 36.4893 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | 002891T24M | 99% | 1,003.0 µg/mL | +/- 36.4938 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,005.6 µg/mL | +/- 36.5894 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,004.1 µg/mL | +/- 36.5348 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,002.1 µg/mL | +/- 36.4620 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,003.5 µg/mL | +/- 36.5120 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBL6287 | 99% | 1,005.3 µg/mL | +/- 36.5757 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,008.4 µg/mL | +/- 36.6894 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,004.6 µg/mL | +/- 36.5530 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 502.1 µg/mL | +/- 18.2697 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.8 µg/mL | +/- 18.3288 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,006.5 µg/mL | +/- 36.6212 |
| 16 | Hexachloroethane | 67-72-1 | DAXRI | 99% | 1,004.5 µg/mL | +/- 36.5484 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,002.5 µg/mL | +/- 36.4757 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCR3249 | 99% | 1,003.4 | µg/mL | +/- 36.5075 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,002.5 | µg/mL | +/- 36.4757 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,006.5 | µg/mL | +/- 36.6212 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 15705100 | 99% | 1,006.6 | µg/mL | +/- 36.6257 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCCK6969 | 99% | 1,001.5 | µg/mL | +/- 36.4393 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,006.4 | µg/mL | +/- 36.6166 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,002.1 | µg/mL | +/- 36.4620 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,004.4 | µg/mL | +/- 36.5439 |
| 26 | Hexachlorobutadiene | 87-68-3 | X05J | 98% | 1,002.5 | µg/mL | +/- 36.4771 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,004.5 | µg/mL | +/- 36.5484 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBL3028 | 99% | 1,000.0 | µg/mL | +/- 36.3847 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 990.2 | µg/mL | +/- 36.0269 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,001.3 | µg/mL | +/- 36.4325 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBK8870 | 99% | 1,006.4 | µg/mL | +/- 36.6166 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | 3YFRE | 97% | 1,004.6 | µg/mL | +/- 36.5505 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,004.3 | µg/mL | +/- 36.5393 |
| 34 | 2-Nitroaniline | 88-74-4 | RP240715RSR | 99% | 1,004.4 | µg/mL | +/- 36.5439 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP240703RSR | 99% | 1,002.8 | µg/mL | +/- 36.4847 |
| 36 | Acenaphthylene | 208-96-8 | RP241029RSR | 98% | 1,000.0 | µg/mL | +/- 36.3835 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | TRC3-1075941-2-1 | 99% | 1,006.3 | µg/mL | +/- 36.6121 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,008.9 | µg/mL | +/- 36.7076 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,006.6 | µg/mL | +/- 36.6257 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP240701RSR | 99% | 1,002.5 | µg/mL | +/- 36.4757 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,000.0 | µg/mL | +/- 36.3847 |
| 42 | 3-Nitroaniline | 99-09-2 | RP240708RSR | 99% | 1,004.6 | µg/mL | +/- 36.5530 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | D240927RSR | ----% | 1,005.6 | µg/mL | +/- 36.5894 |
| 44 | Dibenzofuran | 132-64-9 | MKCN1772 | 99% | 1,003.5 | µg/mL | +/- 36.5120 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | 102869V26E | 99% | 1,008.3 | µg/mL | +/- 36.6849 |
| 46 | 4-Nitrophenol | 100-02-7 | 20241029-2-AN | 99% | 1,004.8 | µg/mL | +/- 36.5575 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-34476 | 99% | 1,005.8 | µg/mL | +/- 36.5939 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP231219RSR | 99% | 1,006.4 | µg/mL | +/- 36.6166 |
| 49 | Fluorene | 86-73-7 | 10246250 | 98% | 1,000.7 | µg/mL | +/- 36.4102 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,004.9 | µg/mL | +/- 36.5621 |
| 51 | Diethylphthalate | 84-66-2 | BCCJ6241 | 99% | 1,003.9 | µg/mL | +/- 36.5257 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,006.6 | µg/mL | +/- 36.6257 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | S241008RSR | 99% | 1,001.3 | µg/mL | +/- 36.4302 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCT1512 | 99% | 1,003.0 | µg/mL | +/- 36.4938 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,002.4 | µg/mL | +/- 36.4711 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,008.8 | µg/mL | +/- 36.7031 |
| 57 | Hexachlorobenzene | 118-74-1 | 15458400 | 99% | 1,005.1 | µg/mL | +/- 36.5712 |
| 58 | Pentachlorophenol | 87-86-5 | RP240517RSR | 99% | 1,005.9 | µg/mL | +/- 36.5984 |
| 59 | Phenanthrene | 85-01-8 | MKCT3391 | 99% | 1,004.9 | µg/mL | +/- 36.5621 |
| 60 | Anthracene | 120-12-7 | 101492T18R | 99% | 1,005.1 | µg/mL | +/- 36.5712 |
| 61 | Carbazole | 86-74-8 | 15276700 | 99% | 1,005.4 | µg/mL | +/- 36.5803 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,006.3 | µg/mL | +/- 36.6121 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,003.5 | µg/mL | +/- 36.5120 |
| 64 | Pyrene | 129-00-0 | BCCK2592 | 99% | 1,002.0 | µg/mL | +/- 36.4575 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,007.5 | µg/mL | +/- 36.6576 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.9 | µg/mL | +/- 36.5984 |
| 67 | Benz(a)anthracene | 56-55-3 | I70012022BAA | 99% | 1,005.5 | µg/mL | +/- 36.5848 |
| 68 | Chrysene | 218-01-9 | RP241007RSR | 99% | 1,005.3 | µg/mL | +/- 36.5757 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCS8065 | 99% | 1,007.5 | µg/mL | +/- 36.6576 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 15566400 | 99% | 1,002.3 | µg/mL | +/- 36.4666 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 052013B | 99% | 1,004.1 | µg/mL | +/- 36.5348 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,002.8 | µg/mL | +/- 36.4847 |
| 73 | Benzo(a)pyrene | 50-32-8 | NQLXA | 98% | 1,006.2 | µg/mL | +/- 36.6108 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,001.8 | µg/mL | +/- 36.4490 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,003.3 | µg/mL | +/- 36.5029 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP241014RSR | 98% | 1,003.8 | µg/mL | +/- 36.5217 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

# Certificate of Analysis

Rev 0 

| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-110816-01 | 531243 | ≤ -10 °C | Methylene Chloride | 1/2/2030 | Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| atrazine | 1912-24-9 | 99.5 | 337.7.4P | 997 ± 5.81 |
| benzidine | 92-87-5 | 99.9 | 124.18.6.2P | 993.8 ± 5.78 |
| caprolactam | 105-60-2 | 99.9 | 271.1.6P | 999 ± 5.82 |

513057 ↓ 513061 AC 1/16/25

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Melissa Workoff

Melissa Workoff
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

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(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

# Certificate of Analysis

Rev 0 

| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-010074-07 | 525551 | -18°C +/- 4°C | Methylene Chloride | 9/3/2029 | 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| 3,3'-dichlorobenzidine | 91-94-1 | 97.9 | 74.421.2P | 994.7 ± 30.56 |

This RM is intended for use as a calibration standard or a quality control standard for chromatography equipment such as GC, GC/MS, HPLC, and HPLC/MS. It may also be used for various USEPA, NIOSH and ASTM methods.

Recommended storage container for ampuled products after opening is a 12 mm x 32 mm amber vial with screw cap Teflon lined silicon septum. The modeled % change per day can be calculated using the following:

$$\% \text{ Change} = 116192x^{-2.578} + 40.383e^{-0.03y}$$

where x = boiling point of the most volatile analyte in the mix (in degrees K)
y = boiling point of the solvent (in degrees K)

This model assumes the container is stored at -10 °C and is unopened during storage. The user should determine what the acceptable error for their process is and calculate the maximum number of days the opened ampule should be stored. The minimum sample size recommended for use is 1µL.

513078 ↓ 513087 } AC 3/10/25

Manufactured by

Raevyn Steele
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

*Not a certified valu

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

# Certificate of Analysis

***chromatographic plus***

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0221014

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

S13088 ↓ S13117 RC 5/20/25.

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBR4811 | 99% | 1,005.2 µg/mL | +/- 36.5730 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | S241226RSR | 99% | 1,005.5 µg/mL | +/- 36.5848 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,005.3 µg/mL | +/- 36.5780 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,005.4 µg/mL | +/- 36.5816 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | 002891T24M | 99% | 1,004.7 µg/mL | +/- 36.5562 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,005.3 µg/mL | +/- 36.5766 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,004.6 µg/mL | +/- 36.5530 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,006.3 µg/mL | +/- 36.6125 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,005.5 µg/mL | +/- 36.5853 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBL6287 | 99% | 1,004.6 µg/mL | +/- 36.5507 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,004.8 µg/mL | +/- 36.5575 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,005.4 µg/mL | +/- 36.5803 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBL3873 | 99% | 502.7 µg/mL | +/- 18.2888 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 502.6 µg/mL | +/- 18.2869 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,004.6 µg/mL | +/- 36.5502 |
| 16 | Hexachloroethane | 67-72-1 | DAXRI | 99% | 1,004.6 µg/mL | +/- 36.5530 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,005.3 µg/mL | +/- 36.5780 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCR3249 | 99% | 1,004.6 | µg/mL | +/- | 36.5511 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,005.7 | µg/mL | +/- | 36.5916 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | DIRAF | 99% | 1,004.9 | µg/mL | +/- | 36.5612 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 15705100 | 99% | 1,004.3 | µg/mL | +/- | 36.5402 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCCK6969 | 99% | 1,004.7 | µg/mL | +/- | 36.5571 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,004.6 | µg/mL | +/- | 36.5516 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,006.8 | µg/mL | +/- | 36.6335 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,005.9 | µg/mL | +/- | 36.5980 |
| 26 | Hexachlorobutadiene | 87-68-3 | X05J | 98% | 1,004.1 | µg/mL | +/- | 36.5328 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,005.4 | µg/mL | +/- | 36.5793 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBL3028 | 99% | 1,006.3 | µg/mL | +/- | 36.6144 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 990.2 | µg/mL | +/- | 36.0269 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063P13G | 99% | 1,005.9 | µg/mL | +/- | 36.5975 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBK8870 | 99% | 1,004.7 | µg/mL | +/- | 36.5566 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | 3YFRE | 97% | 1,004.7 | µg/mL | +/- | 36.5571 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,005.3 | µg/mL | +/- | 36.5757 |
| 34 | 2-Nitroaniline | 88-74-4 | RP240715RSR | 99% | 1,004.8 | µg/mL | +/- | 36.5584 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP240703RSR | 99% | 1,004.5 | µg/mL | +/- | 36.5475 |
| 36 | Acenaphthylene | 208-96-8 | 214935V18H | 95% | 1,000.1 | µg/mL | +/- | 36.3888 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | TRC3-1075941-2-1 | 99% | 1,004.9 | µg/mL | +/- | 36.5616 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,004.5 | µg/mL | +/- | 36.5489 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,005.2 | µg/mL | +/- | 36.5734 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP240701RSR | 99% | 1,005.9 | µg/mL | +/- | 36.6003 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,000.0 | µg/mL | +/- | 36.3847 |
| 42 | 3-Nitroaniline | 99-09-2 | RP240708RSR | 99% | 1,004.6 | µg/mL | +/- | 36.5525 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | D240927RSR | 99% | 1,005.0 | µg/mL | +/- | 36.5657 |
| 44 | Dibenzofuran | 132-64-9 | MKCN1772 | 99% | 1,005.4 | µg/mL | +/- | 36.5803 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | 102869V26E | 99% | 1,005.4 | µg/mL | +/- | 36.5803 |
| 46 | 4-Nitrophenol | 100-02-7 | 20241120-1-AN | 99% | 1,005.7 | µg/mL | +/- | 36.5930 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-34476 | 99% | 1,004.9 | µg/mL | +/- | 36.5616 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP240523RSR | 99% | 1,005.2 | µg/mL | +/- | 36.5739 |
| 49 | Fluorene | 86-73-7 | 10246250 | 98% | 1,005.8 | µg/mL | +/- | 36.5948 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | 002531K02D | 99% | 1,004.8 | µg/mL | +/- | 36.5584 |
| 51 | Diethylphthalate | 84-66-2 | STBL3611 | 99% | 1,005.3 | µg/mL | +/- | 36.5762 |
| 52 | 4-Nitroaniline | 100-01-6 | RP240830RSR | 99% | 1,005.5 | µg/mL | +/- | 36.5844 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | S241008RSR | 99% | 1,004.8 | µg/mL | +/- | 36.5589 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCT1512 | 99% | 1,005.2 | µg/mL | +/- 36.5725 |
| 55 | Azobenzene | 103-33-3 | BCCL3292 | 99% | 1,004.7 | µg/mL | +/- 36.5566 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,005.6 | µg/mL | +/- 36.5875 |
| 57 | Hexachlorobenzene | 118-74-1 | 15828800 | 99% | 1,005.3 | µg/mL | +/- 36.5789 |
| 58 | Pentachlorophenol | 87-86-5 | RP240517RSR | 99% | 1,005.4 | µg/mL | +/- 36.5825 |
| 59 | Phenanthrene | 85-01-8 | MKCT3391 | 99% | 1,004.8 | µg/mL | +/- 36.5584 |
| 60 | Anthracene | 120-12-7 | MKCW9141 | 99% | 1,005.5 | µg/mL | +/- 36.5834 |
| 61 | Carbazole | 86-74-8 | 15630800 | 99% | 1,005.3 | µg/mL | +/- 36.5789 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,005.5 | µg/mL | +/- 36.5848 |
| 63 | Fluoranthene | 206-44-0 | A0458721 | 99% | 1,005.4 | µg/mL | +/- <0.0001 |
| 64 | Pyrene | 129-00-0 | BCCL8032 | 99% | 1,005.2 | µg/mL | +/- 36.5734 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,004.8 | µg/mL | +/- 36.5584 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCR8567 | 99% | 1,004.5 | µg/mL | +/- 36.5480 |
| 67 | Benz(a)anthracene | 56-55-3 | I60012022BAA | 99% | 1,005.5 | µg/mL | +/- 36.5844 |
| 68 | Chrysene | 218-01-9 | RP241212RSR | 99% | 1,005.5 | µg/mL | +/- 36.5848 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCS8065 | 99% | 1,004.7 | µg/mL | +/- 36.5548 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 15817300 | 99% | 1,004.8 | µg/mL | +/- 36.5607 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 022013B | 99% | 1,005.1 | µg/mL | +/- 36.5716 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 98% | 1,004.6 | µg/mL | +/- 36.5511 |
| 73 | Benzo(a)pyrene | 50-32-8 | NQLXA | 98% | 1,004.2 | µg/mL | +/- 36.5377 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,004.1 | µg/mL | +/- 36.5337 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 712061504-1-1 | 99% | 1,005.7 | µg/mL | +/- 36.5930 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP241014RSR | 98% | 1,005.4 | µg/mL | +/- 36.5814 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant flow 1.8 mL/min.

**Temp. Program:**
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

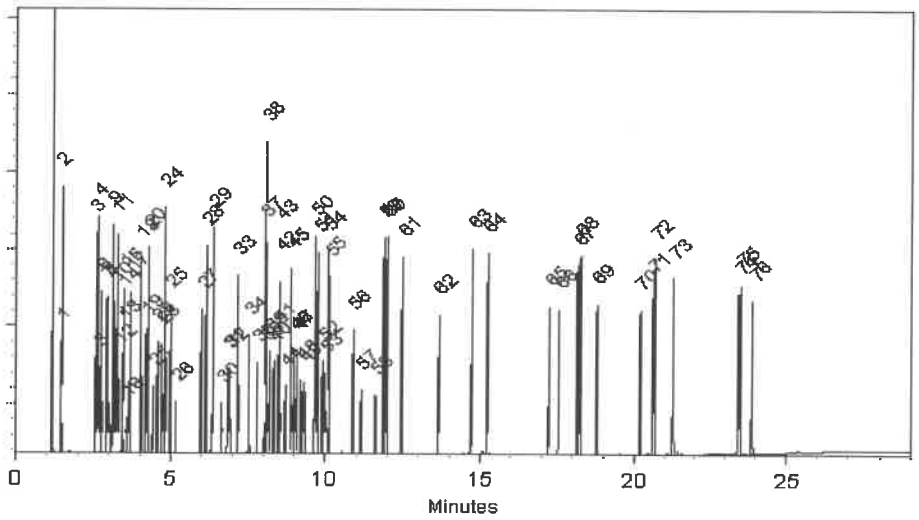
**Inj. Temp:**
250°C

**Det. Temp:**
340°C

**Det. Type:**
FID

**Split Vent:**
100 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

**Date Mixed:** 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

**Date Passed:** 21-Jan-2025

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

# Certificate of Analysis

***chromatographic plus***

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** A0221014

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

S13088 ↓ S13117 RC 5/20/25.

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pyridine | 110-86-1 | SHBR4811 | 99% | 1,005.2 µg/mL | +/- 36.5730 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | S241226RSR | 99% | 1,005.5 µg/mL | +/- 36.5848 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,005.3 µg/mL | +/- 36.5780 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,005.4 µg/mL | +/- 36.5816 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | 002891T24M | 99% | 1,004.7 µg/mL | +/- 36.5562 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,005.3 µg/mL | +/- 36.5766 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,004.6 µg/mL | +/- 36.5530 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,006.3 µg/mL | +/- 36.6125 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,005.5 µg/mL | +/- 36.5853 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBL6287 | 99% | 1,004.6 µg/mL | +/- 36.5507 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,004.8 µg/mL | +/- 36.5575 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,005.4 µg/mL | +/- 36.5803 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBL3873 | 99% | 502.7 µg/mL | +/- 18.2888 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 502.6 µg/mL | +/- 18.2869 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,004.6 µg/mL | +/- 36.5502 |
| 16 | Hexachloroethane | 67-72-1 | DAXRI | 99% | 1,004.6 µg/mL | +/- 36.5530 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,005.3 µg/mL | +/- 36.5780 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCR3249 | 99% | 1,004.6 | µg/mL | +/- | 36.5511 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,005.7 | µg/mL | +/- | 36.5916 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | DIRAF | 99% | 1,004.9 | µg/mL | +/- | 36.5612 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 15705100 | 99% | 1,004.3 | µg/mL | +/- | 36.5402 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCCK6969 | 99% | 1,004.7 | µg/mL | +/- | 36.5571 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,004.6 | µg/mL | +/- | 36.5516 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,006.8 | µg/mL | +/- | 36.6335 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,005.9 | µg/mL | +/- | 36.5980 |
| 26 | Hexachlorobutadiene | 87-68-3 | X05J | 98% | 1,004.1 | µg/mL | +/- | 36.5328 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,005.4 | µg/mL | +/- | 36.5793 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBL3028 | 99% | 1,006.3 | µg/mL | +/- | 36.6144 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 990.2 | µg/mL | +/- | 36.0269 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063P13G | 99% | 1,005.9 | µg/mL | +/- | 36.5975 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBK8870 | 99% | 1,004.7 | µg/mL | +/- | 36.5566 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | 3YFRE | 97% | 1,004.7 | µg/mL | +/- | 36.5571 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,005.3 | µg/mL | +/- | 36.5757 |
| 34 | 2-Nitroaniline | 88-74-4 | RP240715RSR | 99% | 1,004.8 | µg/mL | +/- | 36.5584 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP240703RSR | 99% | 1,004.5 | µg/mL | +/- | 36.5475 |
| 36 | Acenaphthylene | 208-96-8 | 214935V18H | 95% | 1,000.1 | µg/mL | +/- | 36.3888 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | TRC3-1075941-2-1 | 99% | 1,004.9 | µg/mL | +/- | 36.5616 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,004.5 | µg/mL | +/- | 36.5489 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,005.2 | µg/mL | +/- | 36.5734 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP240701RSR | 99% | 1,005.9 | µg/mL | +/- | 36.6003 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,000.0 | µg/mL | +/- | 36.3847 |
| 42 | 3-Nitroaniline | 99-09-2 | RP240708RSR | 99% | 1,004.6 | µg/mL | +/- | 36.5525 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | D240927RSR | 99% | 1,005.0 | µg/mL | +/- | 36.5657 |
| 44 | Dibenzofuran | 132-64-9 | MKCN1772 | 99% | 1,005.4 | µg/mL | +/- | 36.5803 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | 102869V26E | 99% | 1,005.4 | µg/mL | +/- | 36.5803 |
| 46 | 4-Nitrophenol | 100-02-7 | 20241120-1-AN | 99% | 1,005.7 | µg/mL | +/- | 36.5930 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-34476 | 99% | 1,004.9 | µg/mL | +/- | 36.5616 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP240523RSR | 99% | 1,005.2 | µg/mL | +/- | 36.5739 |
| 49 | Fluorene | 86-73-7 | 10246250 | 98% | 1,005.8 | µg/mL | +/- | 36.5948 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | 002531K02D | 99% | 1,004.8 | µg/mL | +/- | 36.5584 |
| 51 | Diethylphthalate | 84-66-2 | STBL3611 | 99% | 1,005.3 | µg/mL | +/- | 36.5762 |
| 52 | 4-Nitroaniline | 100-01-6 | RP240830RSR | 99% | 1,005.5 | µg/mL | +/- | 36.5844 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | S241008RSR | 99% | 1,004.8 | µg/mL | +/- | 36.5589 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCT1512 | 99% | 1,005.2 | µg/mL | +/- 36.5725 |
| 55 | Azobenzene | 103-33-3 | BCCL3292 | 99% | 1,004.7 | µg/mL | +/- 36.5566 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,005.6 | µg/mL | +/- 36.5875 |
| 57 | Hexachlorobenzene | 118-74-1 | 15828800 | 99% | 1,005.3 | µg/mL | +/- 36.5789 |
| 58 | Pentachlorophenol | 87-86-5 | RP240517RSR | 99% | 1,005.4 | µg/mL | +/- 36.5825 |
| 59 | Phenanthrene | 85-01-8 | MKCT3391 | 99% | 1,004.8 | µg/mL | +/- 36.5584 |
| 60 | Anthracene | 120-12-7 | MKCW9141 | 99% | 1,005.5 | µg/mL | +/- 36.5834 |
| 61 | Carbazole | 86-74-8 | 15630800 | 99% | 1,005.3 | µg/mL | +/- 36.5789 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,005.5 | µg/mL | +/- 36.5848 |
| 63 | Fluoranthene | 206-44-0 | A0458721 | 99% | 1,005.4 | µg/mL | +/- <0.0001 |
| 64 | Pyrene | 129-00-0 | BCCL8032 | 99% | 1,005.2 | µg/mL | +/- 36.5734 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,004.8 | µg/mL | +/- 36.5584 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCR8567 | 99% | 1,004.5 | µg/mL | +/- 36.5480 |
| 67 | Benz(a)anthracene | 56-55-3 | I60012022BAA | 99% | 1,005.5 | µg/mL | +/- 36.5844 |
| 68 | Chrysene | 218-01-9 | RP241212RSR | 99% | 1,005.5 | µg/mL | +/- 36.5848 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCS8065 | 99% | 1,004.7 | µg/mL | +/- 36.5548 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 15817300 | 99% | 1,004.8 | µg/mL | +/- 36.5607 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 022013B | 99% | 1,005.1 | µg/mL | +/- 36.5716 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 98% | 1,004.6 | µg/mL | +/- 36.5511 |
| 73 | Benzo(a)pyrene | 50-32-8 | NQLXA | 98% | 1,004.2 | µg/mL | +/- 36.5377 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,004.1 | µg/mL | +/- 36.5337 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 712061504-1-1 | 99% | 1,005.7 | µg/mL | +/- 36.5930 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP241014RSR | 98% | 1,005.4 | µg/mL | +/- 36.5814 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant flow 1.8 mL/min.

**Temp. Program:**
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

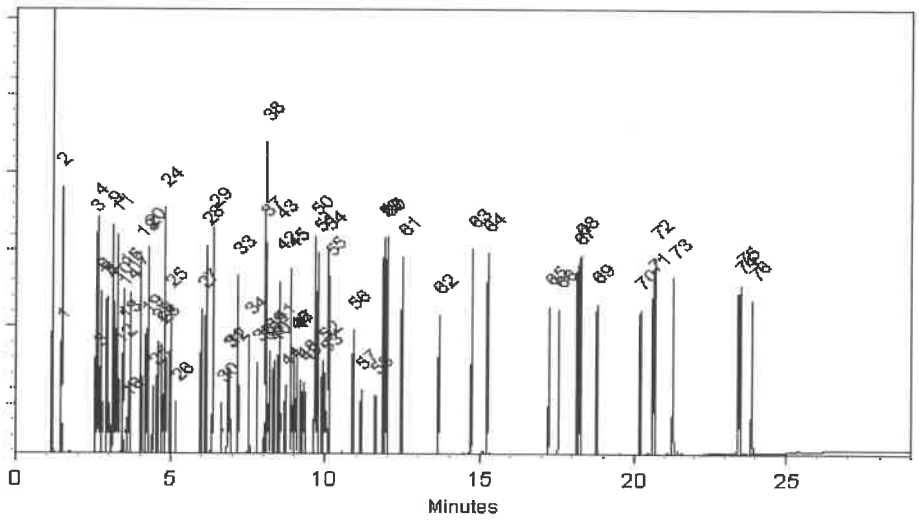
**Inj. Temp:**
250°C

**Det. Temp:**
340°C

**Det. Type:**
FID

**Split Vent:**
100 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

**Date Mixed:** 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

**Date Passed:** 21-Jan-2025

**Manufactured under Restek's ISO 9001:2015**
**Registered Quality System**
**Certificate #FM 80397**

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

# CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

# Certificate of Analysis

***gravimetric***

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555871 **Lot No.:** A0226283

S13158 ↓ S13167 } RC/ 6/4/25

**Description :** Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** June 30, 2028 **Storage:** 10°C or colder

**Ship:** Ambient

**CERTIFIED VALUES**

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 4-Nitrophenol | 100-02-7 | 20241120-1-AN | 99% | 25,192.0 µg/mL | +/- 783.0517 |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

Morgan Craighead - Mix Technician

**Date Mixed:** 02-Jun-2025 **Balance:** C322230531

REVIEWED By Dillon Murphy at 11:21 am, Jun 03, 2025

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***gravimetric***

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555871 **Lot No.:** A0226283

**Description :** Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

S13158 ↓ S13167 } RC/ 6/4/25

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** June 30, 2028 **Storage:** 10°C or colder

**Ship:** Ambient

**CERTIFIED VALUES**

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 4-Nitrophenol | 100-02-7 | 20241120-1-AN | 99% | 25,192.0 µg/mL | +/- 783.0517 |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

Morgan Craighead - Mix Technician

**Date Mixed:** 02-Jun-2025 **Balance:** C322230531

REVIEWED

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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S13198 → S13207 AC 6/11/25

**Catalog No. :** 555868 **Lot No.:** A0226493

**Description :** Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** June 30, 2028 **Storage:** 10°C or colder

**Handling:** Contains carcinogen/reproductive toxin. **Ship:** Ambient

**CERTIFIED VALUES**

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Benzidine | 92-87-5 | S250227ECS | 99% | 25,004.0 µg/mL | +/- 495.8040 |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

Laith Clemente - Operations Technician I

**Date Mixed:** 09-Jun-2025 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

**Absolute Standards, Inc.**
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www.absolutestandards.com

*Certified Reference Material CRM*

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

**Part Number:** 70434
Lot Number: 121622
Description: Acetophenone

Expiration Date: 121627
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

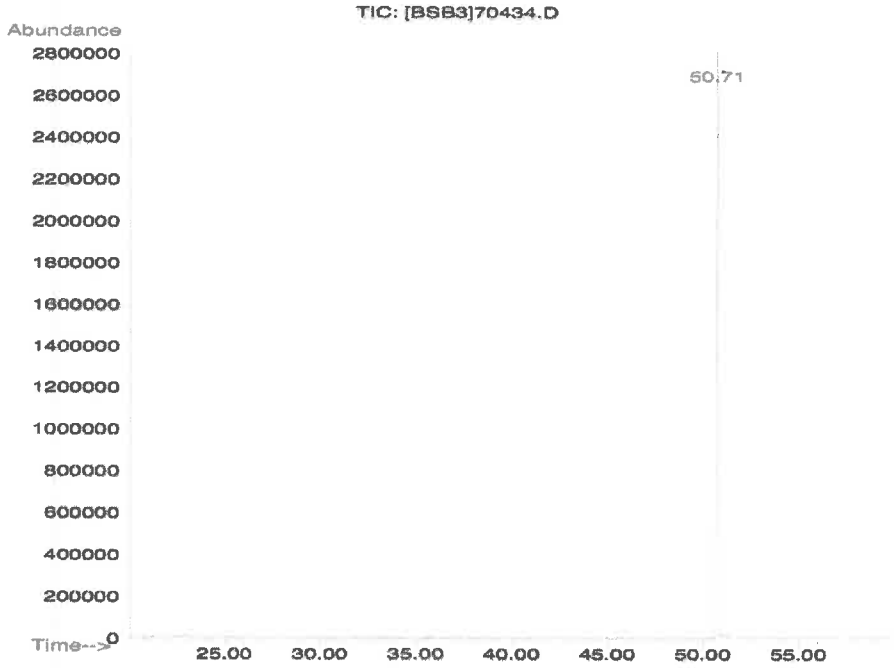
**Solvent(s):** **Lot#**
Methylene chloride C21F09CAS0000DCM

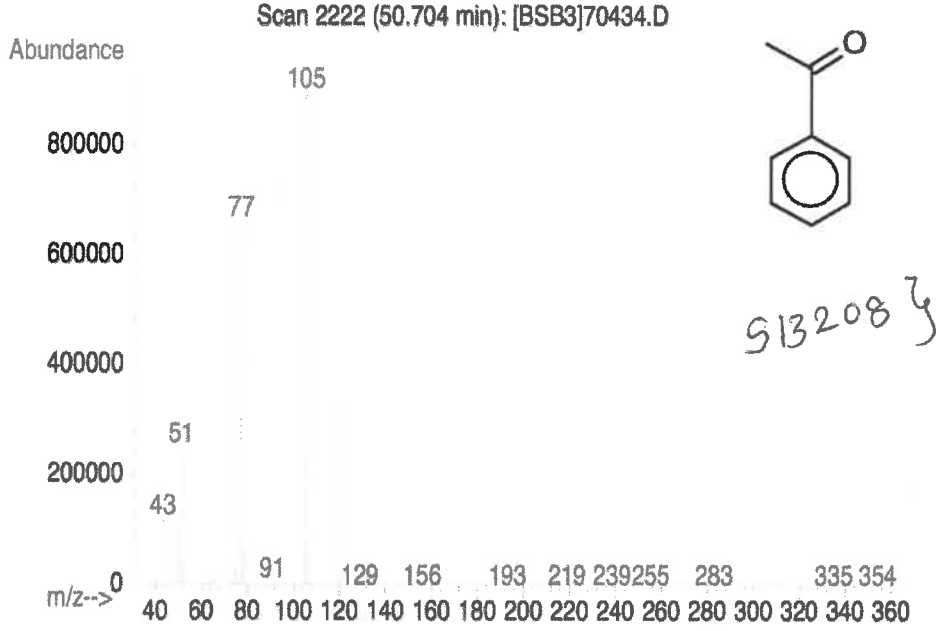
| | | |
|---|---|---|
| | | 121622 |
| Formulated By: | Benson Chan | DATE |
| | | 121622 |
| Reviewed By: | Pedro L. Rentas | DATE |

Weight(s) shown below were combined and diluted to (mL): 50.0 — 5E-05 Balance Uncertainty — 0.001 Flask Uncertainty

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Acetophenone | 434 | 04511JX | 1000 | 99 | 0.2 | 0.05055 | 0.05075 | 1004.0 | 4.5 | 98-86-2 | N/A | orl-rat 815mg/kg |

**Method:** GC6MSD-1. **Detector:** MSD. **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp.= 200°C, Detector Temp. = 220°C. **Analyst:** Candice Warren. Solvent delay = 25 minutes.



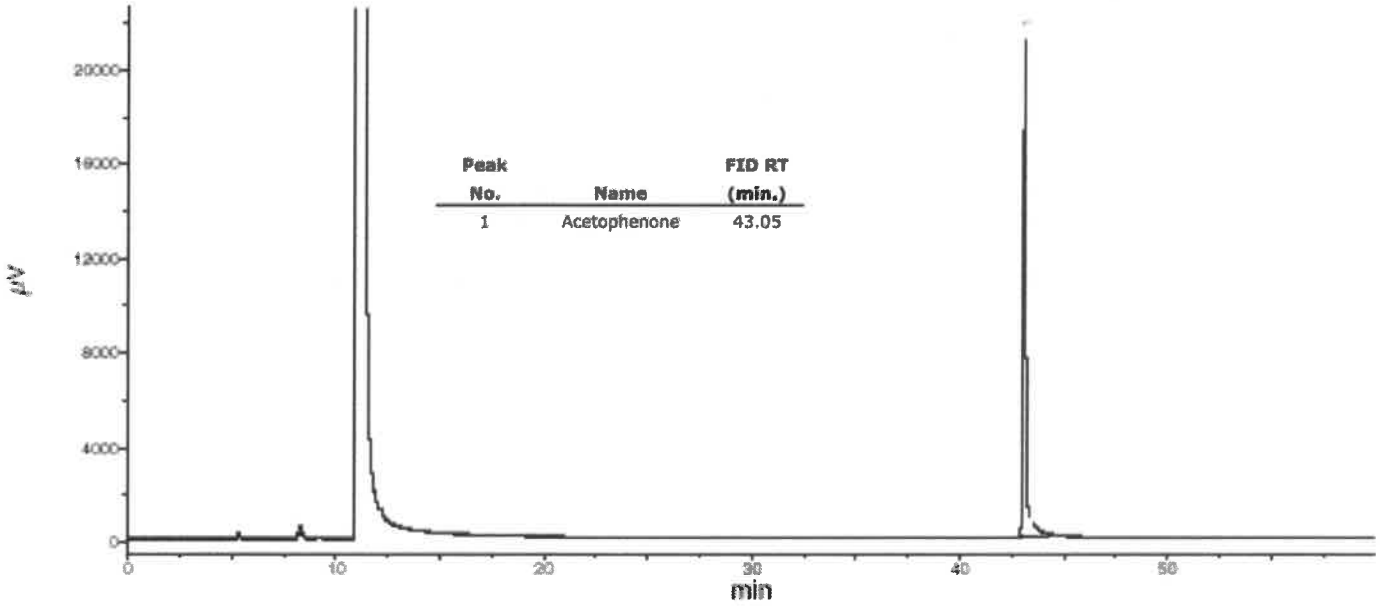






S13208 % RC/ 6/19/25

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

**Comments**
GC13-M1 Analysis by Melissa Stonier
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3




| Peak No. | Name | FID RT (min.) |
|---|---|---|
| 1 | Acetophenone | 43.05 |

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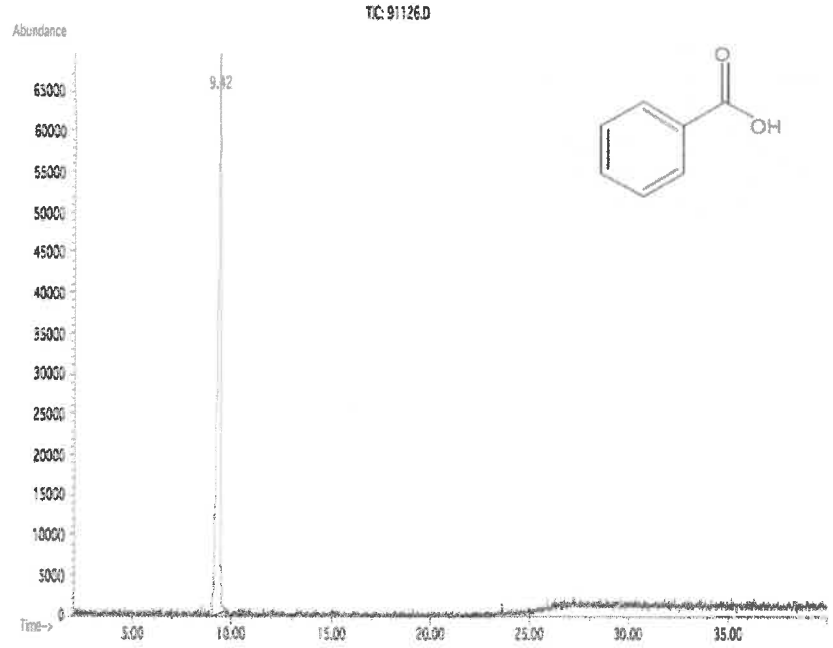
CERTIFIED WEIGHT REPORT

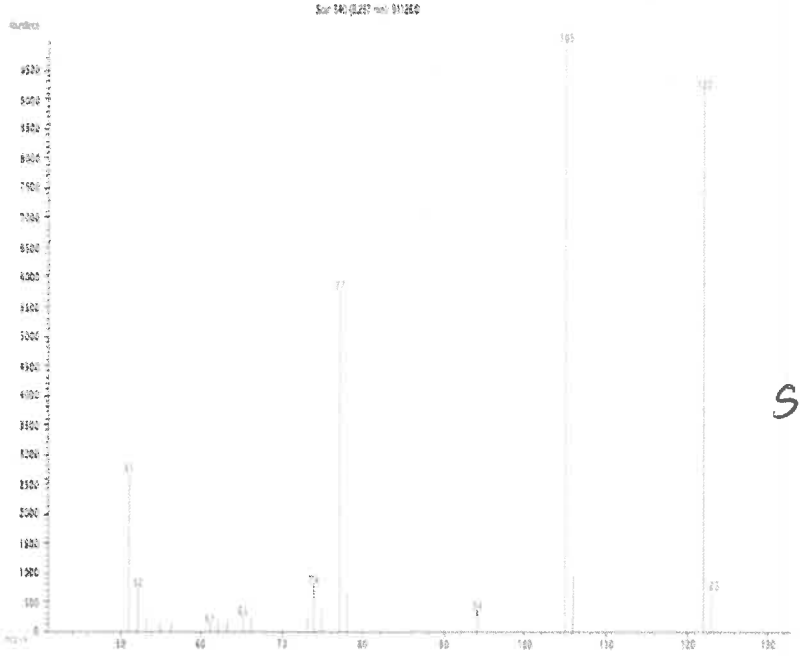
| | | | |
|---|---|---|---|
| **Part Number:** | **91126** | **Solvent(s):** | **Lot#** |
| Lot Number: | 060625 | Methylene chloride | 23343 |
| Description: | Benzoic acid | | |
| Expiration Date: | 060630 | | |
| Recommended Storage: | Refrigerate (4 °C) | | |
| Nominal Concentration (µg/mL): | 2000 | | |
| NIST Test ID#: | 6UTB | 5E-05 Balance Uncertainty | |
| Weight(s) shown below were combined and diluted to (mL): | 100.0 | 0.031 Flask Uncertainty | |

| | | |
|---|---|---|
| | | 060625 |
| Formulated By: | Anthony Mahoney | DATE |
| | | 060625 |
| Reviewed By: | Pedro L. Rentas | DATE |

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Benzoic acid | 34 | 11930AW | 2000.0 | 99 | 0.2 | 0.20211 | 0.20227 | 2001.6 | 8.2 | 65-85-0 | N/A | orl-rat 1700mg/kg |

**Method GC8MSD-3.M:** Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C. Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Melissa Stonier.



S132097 RC 6/19/25

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Rev 1.0, 2/25/2025

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## CERTIFIED WEIGHT REPORT

**Part Number:** 34571
**Lot Number:** 092324
**Description:** 1,2,4,5-Tetrachlorobenzene

**Solvent(s):** Methanol **Lot#** EI863-US

**Expiration Date:** 092334
**Recommended Storage:** Refrigerate (4 °C)
**Nominal Concentration (µg/mL):** 5000
**NIST Test ID#:** 6UTB

5E-05 Balance Uncertainty
0.004 Flask Uncertainty

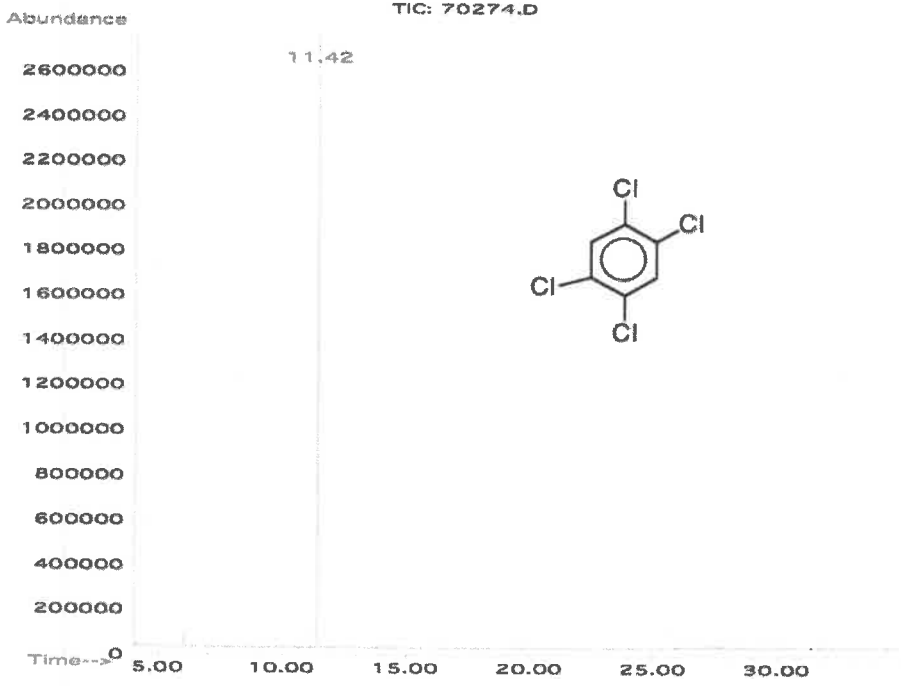
Weight(s) shown below were combined and diluted to (mL): 25.0

**CAUTION: Sonicate Before Use**

| Formulated By: | Lawrence Barry | 092324 DATE |
|---|---|---|
| **Reviewed By:** | Pedro L. Rentas | 092324 DATE |

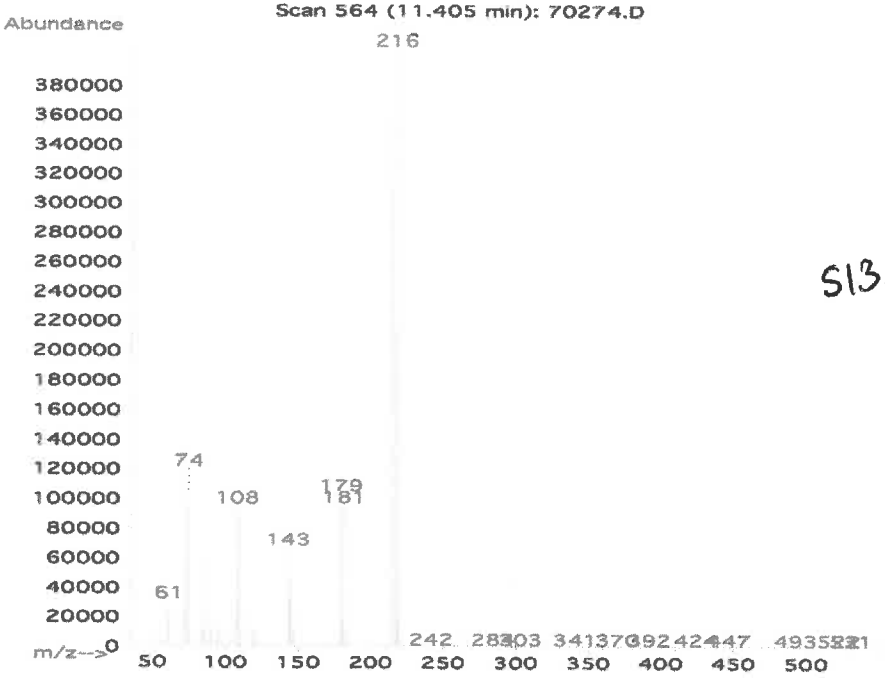
| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight (g) | Actual Weight (g) | Actual Conc(µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. 1,2,4,5-Tetrachlorobenzene | 274 | 10408AS | 5000 | 98 | 0.20 | 0.12761 | 0.12765 | 5001.4 | 20.8 | 95-94-3 | N/A | orl-rat 1500mg/kg |

**Method GC8MSD-3.M:** Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.










S132113 RC 6/19/25.

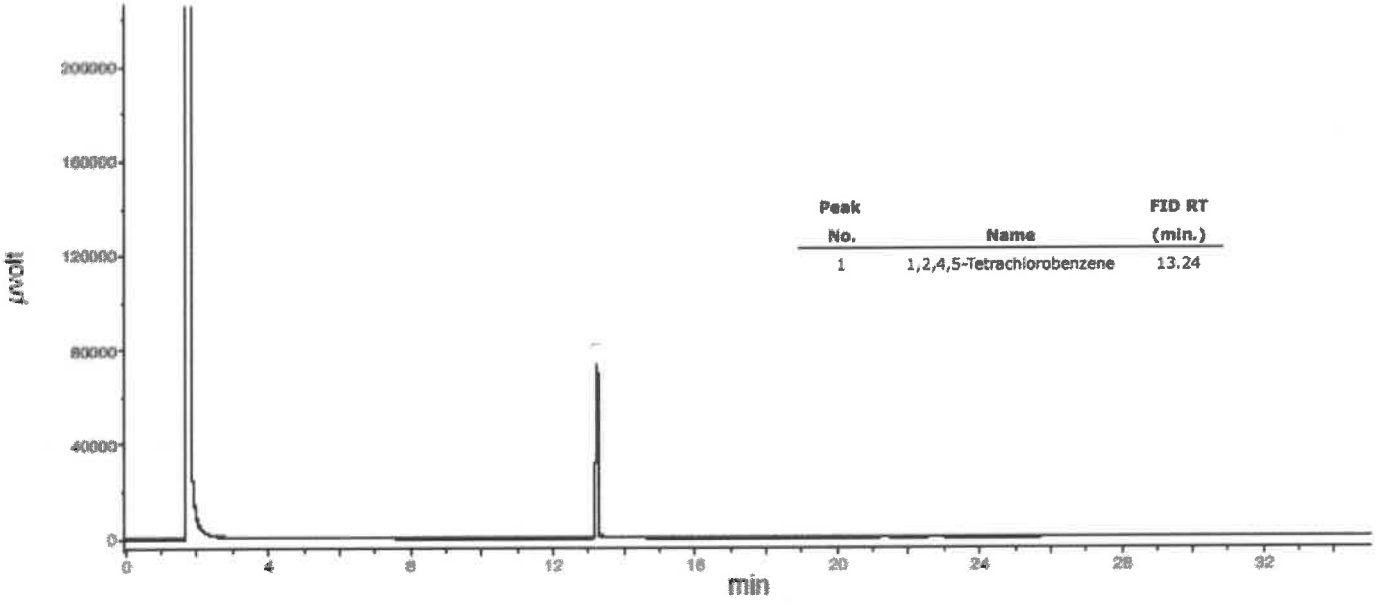
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

# Run 31, "P34571 L092324 [5000µg/mL in MeOH]"

Run Length: 35.00 min, 20999 points at 10 points/second.
Created: Fri, Jan 3, 2025 at 11:24:40 AM.
Sampled: Sequence "010225-GC4M1", Method "GC4-M1".
Analyzed using Method "GC4-M1".

## Comments

GC4-M1 Analysis by Melissa Stonier
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5um Film Thickness
Flow rates; Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) =360 mL
Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.
Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 uL, Range = 7




| Peak No. | Name | FID RT (min.) |
|---|---|---|
| 1 | 1,2,4,5-Tetrachlorobenzene | 13.24 |

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Bellefonte, PA 16823-8812
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# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***gravimetric***

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555869 **Lot No.:** A0201702

**Description :** Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

513148 ↓ 513157 RC 11/13/23

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Hexachlorocyclopentadiene | 77-47-4 | 099063P13G | 99% | 25,244.0 µg/mL | +/- 450.6896 |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

Brittany Federinko - Operations Tech I

**Date Mixed:** 05-Sep-2023 **Balance:** B707717271

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q 2592
QUOTE NO.
COC Number 2047546

## CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Parsons
ADDRESS: 301 Plainfield Road
CITY Syracuse STATE: NY ZIP: 13212
ATTENTION: Zohar Lavy
PHONE: (732)796-5536 FAX: —

## CLIENT PROJECT INFORMATION

PROJECT NAME: ConEd East River S1
PROJECT NO.: 454534 LOCATION: Manhattan
PROJECT MANAGER: Zohar Lavy
e-mail: Zohar.lavy@parsons.com
PHONE: (732)-796-5536 FAX: —

## CLIENT BILLING INFORMATION

BILL TO: Parsons PO#: 454534
ADDRESS: 301 Plainfield Road
CITY Syracuse STATE: NY ZIP: 13212
ATTENTION: Zohar Lavy PHONE: (732)-796-5536

## DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 5-day rush DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

## DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other _____
☐ EDD FORMAT _____

## ANALYSIS

1. VOCs, SVOCs
2. TAL metals
3. PCBs, TPH
4. TCLP VOCs, TCLP SVOCs
5. TCLP metals
6. TCLP pest, TCLP herb
7. Ignitability, reactivity
8. corrosivity, pH
9.

| ALLIANCE SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # OF BOTTLES | PRESERVATIVES 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | E | E | E | E | E | E | E | E | | ← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER |
| 1. | WC-Soil-20250711 | S | X | | 7/11/25 | 1230 | 9 | X | X | X | X | X | X | X | X | | |
| 2. | | | | | | | | | | | | | | | | | |
| 3. | | | | | | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | |

## SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

| RELINQUISHED BY SAMPLER: | DATE/TIME: | RECEIVED BY: |
|---|---|---|
| 1. Emma Sauer | 7/11/25 1440 | 1. 7-11-25 1440 |
| 2. | | 2. |
| 3. | 7-11-25 1637 | 3. |

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
Comments: Include Zohar.lavy@parsons.com and Kirsten.valentini@parsons.com on all data

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# Laboratory Certification

| Certified By | License No. |
|---|---|
| CAS EPA CLP Contract | 68HERH20D0011 |
| Connecticut | PH-0830 |
| DOD ELAP (ANAB) | L2219 |
| Maine | 2024021 |
| Maryland | 296 |
| New Hampshire | 255424 Rev 1 |
| New Jersey | 20012 |
| New York | 11376 |
| Pennsylvania | 68-00548 |
| Soil Permit | 525-24-234-08441 |
| Texas | T104704488 |

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** Q2592 PARS02
**Client Name :** PARSONS Engineering of N
**Client Contact :** Zohar Lavy
**Invoice Name :** PARSONS Engineering of N
**Invoice Contact :** Zohar Lavy

**Order Date :** 7/11/2025 3:05:25 PM
**Project Name :** Con Edison - East River Sit
**Receive DateTime :** 7/11/2025 ~~12:00:00 AM~~ 04:39:00 PM
**Purchase Order :**

**Project Mgr :**
**Report Type :** NYS ASP B
**EDD Type :** NYSDEC EDD V-3
**Hard Copy Date :**
**Date Signoff :**

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|
| Q2592-01 | WC-SOIL-20250711 | Solid | 07/11/2025 | 12:30 | | | | | |
| | | | | | VOCMS Group1 | | 8260D | | 5 Bus. Days |

DP 07/15/2025

**Relinguished By :**
**Date / Time :** 7/14/25 0725

SAMPLES RECEIVED ON 7/11/25 @ 1440
SAMPLES PLACED IN SM-REF-2

**Received By :** Sam
**Date / Time :** 07/14/25 10:00

**Storage Area :** **VOA Refridgerator Room**

RGH 6 FRZ