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

# DATA PACKAGE

## SEMI-VOLATILE ORGANICS

**PROJECT NAME : NWIRP BETHPAGE 112G08005-WE13**

**TETRA TECH NUS, INC.**

**661 Andersen Drive**

**Suite 200**

**Pittsburgh, PA - 15220-2745**

**Phone No: 412-921-7090**

**ORDER ID : Q2064**

**ATTENTION : Ernie Wu**

**Laboratory Certification ID # 20012**

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# Cover Page

**Order ID :** Q2064

**Project ID :** NWIRP Bethpage 112G08005-WE13

**Client :** Tetra Tech NUS, Inc.

| Lab Sample Number | Client Sample Number |
|---|---|
| Q2064-01 | RW8-SP100-70-20250514 |
| Q2064-02 | RW8-SP201-70-20250514 |
| Q2064-03 | RW8-SP301-70-20250514 |
| Q2064-04 | RW8-SP303-70-20250514 |
| Q2064-05 | RW8-SP100-90-20250514 |
| Q2064-06 | RW8-SP201-90-20250514 |
| Q2064-07 | RW8-SP301-90-20250514 |
| Q2064-08 | RW8-SP303-90-20250514 |

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 : **APPROVED**
*By Nimisha Pandya, QA/QC Supervisor at 1:42 pm, May 27, 2025*

Date: 5/24/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# CASE NARRATIVE

**Tetra Tech NUS, Inc.**
**Project Name: NWIRP Bethpage 112G08005-WE13**
**Project Manager # Ernie Wu**
**Order ID # Q2064**
**Test Name: SVOC-TCL BNA -20**

**A. Number of Samples and Date of Receipt:**
8 Water samples were received on 05/16/2025.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1 and SVOC-TCL BNA -20. This data package contains results for SVOC-TCL BNA -20.

**C. Analytical Techniques:**
The samples were analyzed on instrument BNA_P using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3510.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The RPD for {PB168048BSD} with File ID: BP024708.D met criteria except for 3,3-Dichlorobenzidine[22%], 3-Nitroaniline[34%] and 4-Chloroaniline[57%],due to difference in results of BS and BSD.

The Blank Spike for {PB168048BS} with File ID: BP024707.D met requirements for all samples except for 1,4-Dioxane[62%], is marginally biased low but there is no positive hit in any of the associated samples,therfore no Corrective action was taken.

The Blank Spike Duplicate for {PB168048BSD} with File ID: BP024708.D met requirements for all samples except for 1,4-Dioxane[63%],is marginally biased low but there is no positive hit in any of the associated samples,therfore no Corrective action was taken.

The Blank analysis did not indicate the presence of lab contamination.

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The % RSD is greater than 20% in the Initial Calibration (8270-BP051325.M) for 2,4-Dinitrophenol, 4-Nitrophenol these compound are passing on Linear Regression.
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

**E. Additional Comments:**
The laboratory certifies that the all-electronic diskette deliverable exactly match the datasummary forms (i.e. Form Is)."
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
The not QT review data is reported in the Miscellaneous.

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_____ APPROVED
*By Nimisha Pandya, QA/QC Supervisor at 1:42 pm, May 27, 2025*

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

# 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 |

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

ORDER ID: Q2064 MATRIX: Water

METHOD: 8270E/3510

| | | 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-BP051325.M) for 2,4-Dinitrophenol, 4-Nitrophenol these compound are 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 for {PB168048BS} with File ID: BP024707.D met requirements for all samples except for 1,4-Dioxane[62%], is marginally biased low but there is no positive hit in any of the associated samples,therfore no Corrective action was taken. | | | |
| | The Blank Spike Duplicate for {PB168048BSD} with File ID: BP024708.D met requirements for all samples except for 1,4-Dioxane[63%],is marginally biased low but there is no positive hit in any of the associated samples,therfore no Corrective action was taken. | | | |
| | The RPD for {PB168048BSD} with File ID: BP024708.D met criteria except for 3,3-Dichlorobenzidine[22%], 3-Nitroaniline[34%] and 4-Chloroaniline[57%],due to difference in results of BS and BSD. | | | |

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

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

ADDITIONAL COMMENTS:

The laboratory certifies that the all-electronic diskette deliverable exactly match the datasummary forms (i.e. Form Is)."

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

The not QT review data is reported in the Miscellaneous.

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

**REVIEWED**
*By Sohil Jodhani, QA/QC Director at 9:29 am, May 27, 2025*

Date

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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## APPENDIX A

## QA REVIEW GENERAL DOCUMENTATION

**Project #:** Q2064

| | 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:** 05/24/2025

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q2064 | **OrderDate:** | 5/16/2025 10:39:00 AM |
| **Client:** | Tetra Tech NUS, Inc. | **Project:** | NWIRP Bethpage 112G08005-WE13 |
| **Contact:** | Ernie Wu | **Location:** | L41 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q2064-01** | **RW8-SP100-70-20250514** | **Water** | | | **05/14/25** | | | **05/16/25** |
| | | | SVOC-SIMGroup1 | 8270-Modified | | 05/16/25 | 05/19/25 | |
| | | | SVOC-TCL BNA -20 | 8270E | | 05/19/25 | 05/20/25 | |
| **Q2064-02** | **RW8-SP201-70-20250514** | **Water** | | | **05/14/25** | | | **05/16/25** |
| | | | SVOC-SIMGroup1 | 8270-Modified | | 05/16/25 | 05/19/25 | |
| **Q2064-03** | **RW8-SP301-70-20250514** | **Water** | | | **05/14/25** | | | **05/16/25** |
| | | | SVOC-SIMGroup1 | 8270-Modified | | 05/16/25 | 05/19/25 | |
| **Q2064-04** | **RW8-SP303-70-20250514** | **Water** | | | **05/14/25** | | | **05/16/25** |
| | | | SVOC-SIMGroup1 | 8270-Modified | | 05/16/25 | 05/19/25 | |
| | | | SVOC-TCL BNA -20 | 8270E | | 05/19/25 | 05/20/25 | |
| **Q2064-05** | **RW8-SP100-90-20250514** | **Water** | | | **05/14/25** | | | **05/16/25** |
| | | | SVOC-SIMGroup1 | 8270-Modified | | 05/16/25 | 05/19/25 | |
| | | | SVOC-TCL BNA -20 | 8270E | | 05/19/25 | 05/20/25 | |
| **Q2064-06** | **RW8-SP201-90-20250514** | **Water** | | | **05/14/25** | | | **05/16/25** |
| | | | SVOC-SIMGroup1 | 8270-Modified | | 05/16/25 | 05/19/25 | |
| **Q2064-07** | **RW8-SP301-90-20250514** | **Water** | | | **05/14/25** | | | **05/16/25** |
| | | | SVOC-SIMGroup1 | 8270-Modified | | 05/16/25 | 05/19/25 | |
| **Q2064-08** | **RW8-SP303-90-20250514** | **Water** | | | **05/14/25** | | | **05/16/25** |
| | | | SVOC-SIMGroup1 | 8270-Modified | | 05/16/25 | 05/19/25 | |

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## LAB CHRONICLE

| | | | |
|---|---|---|---|
| SVOC-TCL BNA -20 | 8270E | 05/19/25 | 05/20/25 |

Alliance TECHNICAL GROUP
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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q2064

**Client:** Tetra Tech NUS, Inc.

| Sample ID | Client ID | Parameter | | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID :** | **RW8-SP303-70-20250514** | | | | | | | | |
| Q2064-04 | RW8-SP303-70-2025051‹ WATER | Bis(2-ethylhexyl)phthalate | | 2.100 | J | 1.6 | 4 | 5 | ug/L |
| | | **Total Svoc :** | | **2.10** | | | | | |
| Q2064-04 | RW8-SP303-70-2025051‹ WATER | Benzophenone | * | 4.200 | J | 0 | | 0 | ug/L |
| Q2064-04 | RW8-SP303-70-2025051‹ WATER | n-Hexadecanoic acid | * | 2.400 | J | 0 | | 0 | ug/L |
| | | **Total Tics :** | | **6.60** | | | | | |
| | | **Total Concentration:** | | **8.70** | | | | | |
| **Client ID :** | **RW8-SP100-90-20250514** | | | | | | | | |
| Q2064-05 | RW8-SP100-90-2025051‹ WATER | 2-Propenoic acid, 2-methyl-, 3,3,5 | * | 3.300 | J | 0 | | 0 | ug/L |
| Q2064-05 | RW8-SP100-90-2025051‹ WATER | Benzoic acid, p-tert-butyl- | * | 6.900 | J | 0 | | 0 | ug/L |
| Q2064-05 | RW8-SP100-90-2025051‹ WATER | Benzophenone | * | 3.200 | J | 0 | | 0 | ug/L |
| Q2064-05 | RW8-SP100-90-2025051‹ WATER | Docosane | * | 4.000 | J | 0 | | 0 | ug/L |
| Q2064-05 | RW8-SP100-90-2025051‹ WATER | Hexanoic acid, 2-ethyl- | * | 24.700 | J | 0 | | 0 | ug/L |
| Q2064-05 | RW8-SP100-90-2025051‹ WATER | n-Hexadecanoic acid | * | 2.400 | J | 0 | | 0 | ug/L |
| Q2064-05 | RW8-SP100-90-2025051‹ WATER | Benzoic acid | * | 14.600 | J | 4.2 | | 10 | ug/L |
| | | **Total Tics :** | | **59.10** | | | | | |
| | | **Total Concentration:** | | **59.10** | | | | | |
| **Client ID :** | **RW8-SP303-90-20250514** | | | | | | | | |
| Q2064-08 | RW8-SP303-90-2025051‹ WATER | Benzophenone | * | 3.100 | J | 0 | | 0 | ug/L |
| Q2064-08 | RW8-SP303-90-2025051‹ WATER | n-Hexadecanoic acid | * | 2.700 | J | 0 | | 0 | ug/L |
| | | **Total Tics :** | | **5.80** | | | | | |
| | | **Total Concentration:** | | **5.80** | | | | | |

# QC SUMMARY

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# Surrogate Summary

**SW-846**

**SDG No.:** Q2064

**Client:** Tetra Tech NUS, Inc.

**Analytical Method:** 8270E

| Lab Sample ID | Client ID | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|
| PB168048BL | PB168048BL | 2-Fluorophenol | 150 | 133 | 88 | | 19 | 119 |
| | | Phenol-d6 | 150 | 122 | 81 | | 10 | 130 |
| | | Nitrobenzene-d5 | 100 | 76.1 | 76 | | 44 | 120 |
| | | 2-Fluorobiphenyl | 100 | 76.8 | 77 | | 44 | 119 |
| | | 2,4,6-Tribromophenol | 150 | 145 | 97 | | 43 | 140 |
| | | Terphenyl-d14 | 100 | 90.1 | 90 | | 50 | 134 |
| PB168048BS | PB168048BS | 2-Fluorophenol | 150 | 122 | 82 | | 19 | 119 |
| | | Phenol-d6 | 150 | 117 | 78 | | 10 | 130 |
| | | Nitrobenzene-d5 | 100 | 69.5 | 69 | | 44 | 120 |
| | | 2-Fluorobiphenyl | 100 | 74.5 | 74 | | 44 | 119 |
| | | 2,4,6-Tribromophenol | 150 | 139 | 93 | | 43 | 140 |
| | | Terphenyl-d14 | 100 | 76.9 | 77 | | 50 | 134 |
| PB168048BSD | PB168048BSD | 2-Fluorophenol | 150 | 128 | 85 | | 19 | 119 |
| | | Phenol-d6 | 150 | 120 | 80 | | 10 | 130 |
| | | Nitrobenzene-d5 | 100 | 75.8 | 76 | | 44 | 120 |
| | | 2-Fluorobiphenyl | 100 | 78.1 | 78 | | 44 | 119 |
| | | 2,4,6-Tribromophenol | 150 | 146 | 97 | | 43 | 140 |
| | | Terphenyl-d14 | 100 | 79.4 | 79 | | 50 | 134 |
| Q2064-01 | RW8-SP100-70-20250514 | 2-Fluorophenol | 150 | 48.9 | 33 | | 19 | 119 |
| | | Phenol-d6 | 150 | 25.8 | 17 | | 10 | 130 |
| | | Nitrobenzene-d5 | 100 | 68.6 | 69 | | 44 | 120 |
| | | 2-Fluorobiphenyl | 100 | 71.1 | 71 | | 44 | 119 |
| | | 2,4,6-Tribromophenol | 150 | 149 | 100 | | 43 | 140 |
| | | Terphenyl-d14 | 100 | 83.3 | 83 | | 50 | 134 |
| Q2064-04 | RW8-SP303-70-20250514 | 2-Fluorophenol | 150 | 49.7 | 33 | | 19 | 119 |
| | | Phenol-d6 | 150 | 27.0 | 18 | | 10 | 130 |
| | | Nitrobenzene-d5 | 100 | 67.4 | 67 | | 44 | 120 |
| | | 2-Fluorobiphenyl | 100 | 71.4 | 71 | | 44 | 119 |
| | | 2,4,6-Tribromophenol | 150 | 155 | 103 | | 43 | 140 |
| | | Terphenyl-d14 | 100 | 94.1 | 94 | | 50 | 134 |
| Q2064-05 | RW8-SP100-90-20250514 | 2-Fluorophenol | 150 | 52.3 | 35 | | 19 | 119 |
| | | Phenol-d6 | 150 | 28.7 | 19 | | 10 | 130 |
| | | Nitrobenzene-d5 | 100 | 70.0 | 70 | | 44 | 120 |
| | | 2-Fluorobiphenyl | 100 | 70.3 | 70 | | 44 | 119 |
| | | 2,4,6-Tribromophenol | 150 | 161 | 108 | | 43 | 140 |
| | | Terphenyl-d14 | 100 | 97.0 | 97 | | 50 | 134 |
| Q2064-08 | RW8-SP303-90-20250514 | 2-Fluorophenol | 150 | 48.5 | 32 | | 19 | 119 |
| | | Phenol-d6 | 150 | 26.5 | 18 | | 10 | 130 |
| | | Nitrobenzene-d5 | 100 | 67.0 | 67 | | 44 | 120 |
| | | 2-Fluorobiphenyl | 100 | 71.7 | 72 | | 44 | 119 |
| | | 2,4,6-Tribromophenol | 150 | 159 | 106 | | 43 | 140 |
| | | Terphenyl-d14 | 100 | 95.6 | 96 | | 50 | 134 |

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Fax : 908 789 8922

# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q2064

**Client:** Tetra Tech NUS, Inc.

**Analytical Method:** 8270E **DataFile:** BP024707.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB168048BS | Benzaldehyde | 50 | 30.6 | ug/L | 61 | | | | 10 | 161 | |
| | Phenol | 50 | 40.0 | ug/L | 80 | | | | 10 | 132 | |
| | bis(2-Chloroethyl)ether | 50 | 35.7 | ug/L | 71 | | | | 43 | 118 | |
| | 2-Chlorophenol | 50 | 41.7 | ug/L | 83 | | | | 38 | 117 | |
| | 2-Methylphenol | 50 | 39.9 | ug/L | 80 | | | | 30 | 117 | |
| | 2,2-oxybis(1-Chloropropane) | 50 | 34.9 | ug/L | 70 | | | | 37 | 130 | |
| | Acetophenone | 50 | 38.9 | ug/L | 78 | | | | 46 | 118 | |
| | 3+4-Methylphenols | 50 | 38.8 | ug/L | 78 | | | | 29 | 110 | |
| | N-Nitroso-di-n-propylamine | 50 | 33.4 | ug/L | 67 | | | | 49 | 119 | |
| | Hexachloroethane | 50 | 38.0 | ug/L | 76 | | | | 21 | 115 | |
| | Nitrobenzene | 50 | 37.8 | ug/L | 76 | | | | 45 | 121 | |
| | Isophorone | 50 | 35.9 | ug/L | 72 | | | | 42 | 124 | |
| | 2-Nitrophenol | 50 | 43.7 | ug/L | 87 | | | | 47 | 123 | |
| | 2,4-Dimethylphenol | 50 | 42.9 | ug/L | 86 | | | | 31 | 124 | |
| | bis(2-Chloroethoxy)methane | 50 | 37.2 | ug/L | 74 | | | | 48 | 120 | |
| | 2,4-Dichlorophenol | 50 | 43.9 | ug/L | 88 | | | | 47 | 121 | |
| | Naphthalene | 50 | 39.4 | ug/L | 79 | | | | 40 | 121 | |
| | 4-Chloroaniline | 50 | 19.5 | ug/L | 39 | | | | 33 | 117 | |
| | Hexachlorobutadiene | 50 | 42.4 | ug/L | 85 | | | | 22 | 124 | |
| | Caprolactam | 50 | 39.7 | ug/L | 79 | | | | 10 | 161 | |
| | 4-Chloro-3-methylphenol | 50 | 41.9 | ug/L | 84 | | | | 52 | 119 | |
| | 2-Methylnaphthalene | 50 | 39.5 | ug/L | 79 | | | | 40 | 121 | |
| | Hexachlorocyclopentadiene | 100 | 89.2 | ug/L | 89 | | | | 10 | 155 | |
| | 2,4,6-Trichlorophenol | 50 | 46.4 | ug/L | 93 | | | | 50 | 125 | |
| | 2,4,5-Trichlorophenol | 50 | 45.0 | ug/L | 90 | | | | 53 | 123 | |
| | 1,1-Biphenyl | 50 | 42.8 | ug/L | 86 | | | | 49 | 115 | |
| | 2-Chloronaphthalene | 50 | 43.0 | ug/L | 86 | | | | 40 | 116 | |
| | 2-Nitroaniline | 50 | 43.3 | ug/L | 87 | | | | 55 | 127 | |
| | Dimethylphthalate | 50 | 42.4 | ug/L | 85 | | | | 45 | 127 | |
| | Acenaphthylene | 50 | 41.4 | ug/L | 83 | | | | 41 | 130 | |
| | 2,6-Dinitrotoluene | 50 | 43.0 | ug/L | 86 | | | | 57 | 124 | |
| | 3-Nitroaniline | 50 | 26.3 | ug/L | 53 | | | | 41 | 128 | |
| | Acenaphthene | 50 | 41.3 | ug/L | 83 | | | | 47 | 122 | |
| | 2,4-Dinitrophenol | 100 | 81.6 | ug/L | 82 | | | | 23 | 143 | |
| | 4-Nitrophenol | 100 | 75.5 | ug/L | 76 | | | | 10 | 161 | |
| | Dibenzofuran | 50 | 42.2 | ug/L | 84 | | | | 53 | 118 | |
| | 2,4-Dinitrotoluene | 50 | 44.7 | ug/L | 89 | | | | 57 | 128 | |
| | Diethylphthalate | 50 | 41.6 | ug/L | 83 | | | | 56 | 125 | |
| | 4-Chlorophenyl-phenylether | 50 | 42.5 | ug/L | 85 | | | | 53 | 121 | |
| | Fluorene | 50 | 42.4 | ug/L | 85 | | | | 52 | 124 | |
| | 4-Nitroaniline | 50 | 40.0 | ug/L | 80 | | | | 35 | 120 | |
| | 4,6-Dinitro-2-methylphenol | 50 | 44.3 | ug/L | 89 | | | | 44 | 137 | |
| | N-Nitrosodiphenylamine | 50 | 42.6 | ug/L | 85 | | | | 51 | 123 | |
| | 4-Bromophenyl-phenylether | 50 | 44.0 | ug/L | 88 | | | | 55 | 124 | |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q2064

**Client:** Tetra Tech NUS, Inc.

**Analytical Method:** 8270E **DataFile:** BP024707.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB168048BS | Hexachlorobenzene | 50 | 44.4 | ug/L | 89 | | | | 53 | 125 | |
| | Atrazine | 50 | 44.4 | ug/L | 89 | | | | 44 | 142 | |
| | Pentachlorophenol | 100 | 98.8 | ug/L | 99 | | | | 35 | 138 | |
| | Phenanthrene | 50 | 40.6 | ug/L | 81 | | | | 59 | 120 | |
| | Anthracene | 50 | 42.4 | ug/L | 85 | | | | 57 | 123 | |
| | Carbazole | 50 | 42.9 | ug/L | 86 | | | | 60 | 122 | |
| | Di-n-butylphthalate | 50 | 41.5 | ug/L | 83 | | | | 59 | 127 | |
| | Fluoranthene | 50 | 42.5 | ug/L | 85 | | | | 57 | 128 | |
| | Pyrene | 50 | 42.4 | ug/L | 85 | | | | 57 | 126 | |
| | Butylbenzylphthalate | 50 | 43.1 | ug/L | 86 | | | | 53 | 134 | |
| | 3,3-Dichlorobenzidine | 50 | 33.0 | ug/L | 66 | | | | 27 | 129 | |
| | Benzo(a)anthracene | 50 | 41.9 | ug/L | 84 | | | | 58 | 125 | |
| | Chrysene | 50 | 40.8 | ug/L | 82 | | | | 59 | 123 | |
| | bis(2-Ethylhexyl)phthalate | 50 | 44.3 | ug/L | 89 | | | | 55 | 135 | |
| | Di-n-octyl phthalate | 50 | 45.4 | ug/L | 91 | | | | 51 | 140 | |
| | Benzo(b)fluoranthene | 50 | 42.5 | ug/L | 85 | | | | 53 | 131 | |
| | Benzo(k)fluoranthene | 50 | 42.7 | ug/L | 85 | | | | 57 | 129 | |
| | Benzo(a)pyrene | 50 | 42.6 | ug/L | 85 | | | | 54 | 128 | |
| | Indeno(1,2,3-cd)pyrene | 50 | 42.7 | ug/L | 85 | | | | 52 | 134 | |
| | Dibenz(a,h)anthracene | 50 | 43.2 | ug/L | 86 | | | | 51 | 134 | |
| | Benzo(g,h,i)perylene | 50 | 42.1 | ug/L | 84 | | | | 50 | 134 | |
| | 1,2,4,5-Tetrachlorobenzene | 50 | 43.5 | ug/L | 87 | | | | 35 | 121 | |
| | 1,4-Dioxane | 50 | 30.9 | ug/L | 62 | | * | | 70 | 130 | |
| | 2,3,4,6-Tetrachlorophenol | 50 | 43.3 | ug/L | 87 | | | | 50 | 128 | |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q2064

**Client:** Tetra Tech NUS, Inc.

**Analytical Method:** 8270E **DataFile:** BP024708.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB168048BSD | Benzaldehyde | 50 | 33.3 | ug/L | 67 | 8 | | | 10 | 161 | 20 |
| | Phenol | 50 | 41.7 | ug/L | 83 | 4 | | | 10 | 132 | 20 |
| | bis(2-Chloroethyl)ether | 50 | 38.9 | ug/L | 78 | 9 | | | 43 | 118 | 20 |
| | 2-Chlorophenol | 50 | 43.8 | ug/L | 88 | 5 | | | 38 | 117 | 20 |
| | 2-Methylphenol | 50 | 40.8 | ug/L | 82 | 2 | | | 30 | 117 | 20 |
| | 2,2-oxybis(1-Chloropropane) | 50 | 35.5 | ug/L | 71 | 2 | | | 37 | 130 | 20 |
| | Acetophenone | 50 | 41.6 | ug/L | 83 | 7 | | | 46 | 118 | 20 |
| | 3+4-Methylphenols | 50 | 40.5 | ug/L | 81 | 4 | | | 29 | 110 | 20 |
| | N-Nitroso-di-n-propylamine | 50 | 34.9 | ug/L | 70 | 4 | | | 49 | 119 | 20 |
| | Hexachloroethane | 50 | 39.5 | ug/L | 79 | 4 | | | 21 | 115 | 20 |
| | Nitrobenzene | 50 | 42.2 | ug/L | 84 | 11 | | | 45 | 121 | 20 |
| | Isophorone | 50 | 37.7 | ug/L | 75 | 5 | | | 42 | 124 | 20 |
| | 2-Nitrophenol | 50 | 47.7 | ug/L | 95 | 9 | | | 47 | 123 | 20 |
| | 2,4-Dimethylphenol | 50 | 46.0 | ug/L | 92 | 7 | | | 31 | 124 | 20 |
| | bis(2-Chloroethoxy)methane | 50 | 39.7 | ug/L | 79 | 7 | | | 48 | 120 | 20 |
| | 2,4-Dichlorophenol | 50 | 47.2 | ug/L | 94 | 7 | | | 47 | 121 | 20 |
| | Naphthalene | 50 | 42.5 | ug/L | 85 | 8 | | | 40 | 121 | 20 |
| | 4-Chloroaniline | 50 | 34.9 | ug/L | 70 | 57 | | * | 33 | 117 | 20 |
| | Hexachlorobutadiene | 50 | 45.8 | ug/L | 92 | 8 | | | 22 | 124 | 20 |
| | Caprolactam | 50 | 43.3 | ug/L | 87 | 9 | | | 10 | 161 | 20 |
| | 4-Chloro-3-methylphenol | 50 | 42.8 | ug/L | 86 | 2 | | | 52 | 119 | 20 |
| | 2-Methylnaphthalene | 50 | 41.9 | ug/L | 84 | 6 | | | 40 | 121 | 20 |
| | Hexachlorocyclopentadiene | 100 | 99.7 | ug/L | 100 | 11 | | | 10 | 155 | 20 |
| | 2,4,6-Trichlorophenol | 50 | 49.8 | ug/L | 100 | 7 | | | 50 | 125 | 20 |
| | 2,4,5-Trichlorophenol | 50 | 48.4 | ug/L | 97 | 7 | | | 53 | 123 | 20 |
| | 1,1-Biphenyl | 50 | 45.9 | ug/L | 92 | 7 | | | 49 | 115 | 20 |
| | 2-Chloronaphthalene | 50 | 46.2 | ug/L | 92 | 7 | | | 40 | 116 | 20 |
| | 2-Nitroaniline | 50 | 45.1 | ug/L | 90 | 4 | | | 55 | 127 | 20 |
| | Dimethylphthalate | 50 | 44.8 | ug/L | 90 | 6 | | | 45 | 127 | 20 |
| | Acenaphthylene | 50 | 43.7 | ug/L | 87 | 5 | | | 41 | 130 | 20 |
| | 2,6-Dinitrotoluene | 50 | 45.8 | ug/L | 92 | 6 | | | 57 | 124 | 20 |
| | 3-Nitroaniline | 50 | 37.1 | ug/L | 74 | 34 | | * | 41 | 128 | 20 |
| | Acenaphthene | 50 | 44.5 | ug/L | 89 | 7 | | | 47 | 122 | 20 |
| | 2,4-Dinitrophenol | 100 | 86.7 | ug/L | 87 | 6 | | | 23 | 143 | 20 |
| | 4-Nitrophenol | 100 | 78.4 | ug/L | 78 | 4 | | | 10 | 161 | 20 |
| | Dibenzofuran | 50 | 43.7 | ug/L | 87 | 3 | | | 53 | 118 | 20 |
| | 2,4-Dinitrotoluene | 50 | 45.9 | ug/L | 92 | 3 | | | 57 | 128 | 20 |
| | Diethylphthalate | 50 | 44.1 | ug/L | 88 | 6 | | | 56 | 125 | 20 |
| | 4-Chlorophenyl-phenylether | 50 | 45.4 | ug/L | 91 | 7 | | | 53 | 121 | 20 |
| | Fluorene | 50 | 45.6 | ug/L | 91 | 7 | | | 52 | 124 | 20 |
| | 4-Nitroaniline | 50 | 43.8 | ug/L | 88 | 9 | | | 35 | 120 | 20 |
| | 4,6-Dinitro-2-methylphenol | 50 | 49.0 | ug/L | 98 | 10 | | | 44 | 137 | 20 |
| | N-Nitrosodiphenylamine | 50 | 47.5 | ug/L | 95 | 11 | | | 51 | 123 | 20 |
| | 4-Bromophenyl-phenylether | 50 | 48.0 | ug/L | 96 | 9 | | | 55 | 124 | 20 |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q2064

**Client:** Tetra Tech NUS, Inc.

**Analytical Method:** 8270E **DataFile:** BP024708.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB168048BSD | Hexachlorobenzene | 50 | 47.6 | ug/L | 95 | 7 | | | 53 | 125 | 20 |
| | Atrazine | 50 | 47.6 | ug/L | 95 | 7 | | | 44 | 142 | 20 |
| | Pentachlorophenol | 100 | 110 | ug/L | 110 | 11 | | | 35 | 138 | 20 |
| | Phenanthrene | 50 | 44.4 | ug/L | 89 | 9 | | | 59 | 120 | 20 |
| | Anthracene | 50 | 46.9 | ug/L | 94 | 10 | | | 57 | 123 | 20 |
| | Carbazole | 50 | 46.9 | ug/L | 94 | 9 | | | 60 | 122 | 20 |
| | Di-n-butylphthalate | 50 | 46.4 | ug/L | 93 | 11 | | | 59 | 127 | 20 |
| | Fluoranthene | 50 | 45.0 | ug/L | 90 | 6 | | | 57 | 128 | 20 |
| | Pyrene | 50 | 43.3 | ug/L | 87 | 2 | | | 57 | 126 | 20 |
| | Butylbenzylphthalate | 50 | 44.7 | ug/L | 89 | 4 | | | 53 | 134 | 20 |
| | 3,3-Dichlorobenzidine | 50 | 41.3 | ug/L | 83 | 22 | | * | 27 | 129 | 20 |
| | Benzo(a)anthracene | 50 | 44.7 | ug/L | 89 | 6 | | | 58 | 125 | 20 |
| | Chrysene | 50 | 44.7 | ug/L | 89 | 9 | | | 59 | 123 | 20 |
| | bis(2-Ethylhexyl)phthalate | 50 | 47.2 | ug/L | 94 | 6 | | | 55 | 135 | 20 |
| | Di-n-octyl phthalate | 50 | 47.7 | ug/L | 95 | 5 | | | 51 | 140 | 20 |
| | Benzo(b)fluoranthene | 50 | 47.0 | ug/L | 94 | 10 | | | 53 | 131 | 20 |
| | Benzo(k)fluoranthene | 50 | 45.9 | ug/L | 92 | 7 | | | 57 | 129 | 20 |
| | Benzo(a)pyrene | 50 | 46.4 | ug/L | 93 | 9 | | | 54 | 128 | 20 |
| | Indeno(1,2,3-cd)pyrene | 50 | 45.4 | ug/L | 91 | 6 | | | 52 | 134 | 20 |
| | Dibenz(a,h)anthracene | 50 | 46.0 | ug/L | 92 | 6 | | | 51 | 134 | 20 |
| | Benzo(g,h,i)perylene | 50 | 44.9 | ug/L | 90 | 6 | | | 50 | 134 | 20 |
| | 1,2,4,5-Tetrachlorobenzene | 50 | 47.0 | ug/L | 94 | 8 | | | 35 | 121 | 20 |
| | 1,4-Dioxane | 50 | 31.5 | ug/L | 63 | 2 | * | | 70 | 130 | 20 |
| | 2,3,4,6-Tetrachlorophenol | 50 | 48.0 | ug/L | 96 | 10 | | | 50 | 128 | 20 |

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168048BL

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG NO.: Q2064

Lab File ID: BP024706.D Lab Sample ID: PB168048BL

Instrument ID: BNA_P Date Extracted: 05/19/2025

Matrix: (soil/water) Water Date Analyzed: 05/20/2025

Level: (low/med) LOW Time Analyzed: 13:55

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| PB168048BS | PB168048BS | BP024707.D | 05/20/2025 |
| PB168048BSD | PB168048BSD | BP024708.D | 05/20/2025 |
| RW8-SP100-70-20250514 | Q2064-01 | BP024712.D | 05/20/2025 |
| RW8-SP303-70-20250514 | Q2064-04 | BP024713.D | 05/20/2025 |
| RW8-SP100-90-20250514 | Q2064-05 | BP024714.D | 05/20/2025 |
| RW8-SP303-90-20250514 | Q2064-08 | BP024715.D | 05/20/2025 |

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q2064 SDG NO.: Q2064

Lab File ID: BP024613.D DFTPP Injection Date: 05/13/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:00

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 33.5 |
| 68 | Less than 2.0% of mass 69 | 0.2 ( 0.6 ) 1 |
| 69 | Mass 69 relative abundance | 36.2 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.6 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 49.3 |
| 197 | Less than 2.0% of mass 198 | 0.0 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 6.6 |
| 275 | 10.0 - 60.0% of mass 198 | 33.1 |
| 365 | Greater than 1% of mass 198 | 5.4 |
| 441 | Present, but less than mass 443 | 19.5 |
| 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 | BP024614.D | 05/13/2025 | 10:41 |
| SSTDICC005 | SSTDICC005 | BP024615.D | 05/13/2025 | 11:22 |
| SSTDICC010 | SSTDICC010 | BP024616.D | 05/13/2025 | 12:03 |
| SSTDICC020 | SSTDICC020 | BP024617.D | 05/13/2025 | 12:43 |
| SSTDICCC040 | SSTDICCC040 | BP024618.D | 05/13/2025 | 13:24 |
| SSTDICC050 | SSTDICC050 | BP024619.D | 05/13/2025 | 14:05 |
| SSTDICC060 | SSTDICC060 | BP024620.D | 05/13/2025 | 14:45 |
| SSTDICC080 | SSTDICC080 | BP024621.D | 05/13/2025 | 15:26 |

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q2064 SDG NO.: Q2064

Lab File ID: BP024702.D DFTPP Injection Date: 05/20/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:31

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 31.2 |
| 68 | Less than 2.0% of mass 69 | 0.3 ( 1.3 ) 1 |
| 69 | Mass 69 relative abundance | 33.3 |
| 70 | Less than 2.0% of mass 69 | 0.1 ( 0.6 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 47.4 |
| 197 | Less than 2.0% of mass 198 | 0.0 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 6.6 |
| 275 | 10.0 - 60.0% of mass 198 | 33.6 |
| 365 | Greater than 1% of mass 198 | 5.4 |
| 441 | Present, but less than mass 443 | 21.8 |
| 442 | Greater than 50% of mass 198 | 100 |
| 443 | 15.0 - 24.0% of mass 442 | 19 ( 19 ) 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 | BP024703.D | 05/20/2025 | 11:52 |
| PB168048BL | PB168048BL | BP024706.D | 05/20/2025 | 13:55 |
| PB168048BS | PB168048BS | BP024707.D | 05/20/2025 | 14:35 |
| PB168048BSD | PB168048BSD | BP024708.D | 05/20/2025 | 15:16 |
| RW8-SP100-70-20250514 | Q2064-01 | BP024712.D | 05/20/2025 | 17:59 |
| RW8-SP303-70-20250514 | Q2064-04 | BP024713.D | 05/20/2025 | 18:40 |
| RW8-SP100-90-20250514 | Q2064-05 | BP024714.D | 05/20/2025 | 19:21 |
| RW8-SP303-90-20250514 | Q2064-08 | BP024715.D | 05/20/2025 | 20:02 |
| SSTDCCC040EC | SSTDCCC040 | BP024718.D | 05/20/2025 | 22:04 |

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG NO.: Q2064

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/20/2025

Lab File ID: BP024703.D Time Analyzed: 11:52

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

| | | IS1 (DCB) AREA # | RT # | IS2 (NPT) AREA # | RT # | IS3 (ANT) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 123667 | 7.657 | 504753 | 10.43 | 316846 | 14.29 |
| | UPPER LIMIT | 247334 | 8.157 | 1009510 | 10.928 | 633692 | 14.787 |
| | LOWER LIMIT | 61833.5 | 7.157 | 252377 | 9.928 | 158423 | 13.787 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB168048BL | 134412 | 7.66 | 500749 | 10.43 | 300658 | 14.29 |
| 02 | PB168048BS | 124819 | 7.66 | 494827 | 10.43 | 304328 | 14.29 |
| 03 | PB168048BSD | 139801 | 7.66 | 538123 | 10.42 | 329718 | 14.29 |
| 04 | RW8-SP100-70-20250514 | 110969 | 7.66 | 419501 | 10.43 | 276589 | 14.29 |
| 05 | RW8-SP303-70-20250514 | 118478 | 7.66 | 455563 | 10.43 | 312017 | 14.29 |
| 06 | RW8-SP100-90-20250514 | 105097 | 7.66 | 405523 | 10.43 | 295391 | 14.29 |
| 07 | RW8-SP303-90-20250514 | 121733 | 7.66 | 471667 | 10.42 | 308901 | 14.28 |

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: CHEMTECH

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG NO.: Q2064

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/20/2025

Lab File ID: BP024703.D Time Analyzed: 11:52

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

| | | IS4 (PHN) AREA # | RT # | IS5 (CRY) AREA # | RT # | IS6 (PRY) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 620396 | 17.081 | 679929 | 21.516 | 792201 | 24.798 |
| | UPPER LIMIT | 1240790 | 17.581 | 1359860 | 22.016 | 1584400 | 25.298 |
| | LOWER LIMIT | 310198 | 16.581 | 339965 | 21.016 | 396101 | 24.298 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB168048BL | 642481 | 17.09 | 691700 | 21.52 | 756782 | 24.82 |
| 02 | PB168048BS | 614284 | 17.08 | 693187 | 21.52 | 827509 | 24.79 |
| 03 | PB168048BSD | 642991 | 17.08 | 741643 | 21.52 | 838594 | 24.79 |
| 04 | RW8-SP100-70-20250514 | 582176 | 17.09 | 659261 | 21.52 | 737654 | 24.80 |
| 05 | RW8-SP303-70-20250514 | 617202 | 17.09 | 694869 | 21.52 | 845393 | 24.80 |
| 06 | RW8-SP100-90-20250514 | 588501 | 17.09 | 654045 | 21.52 | 776769 | 24.80 |
| 07 | RW8-SP303-90-20250514 | 630051 | 17.09 | 688875 | 21.52 | 813486 | 24.80 |

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: | Tetra Tech NUS, Inc. | Date Collected: | 05/14/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 05/16/25 |
| Client Sample ID: | RW8-SP100-70-20250514 | SDG No.: | Q2064 |
| Lab Sample ID: | Q2064-01 | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024712.D | 1 | 05/19/25 08:42 | 05/20/25 17:59 | PB168048 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 100-52-7 | Benzaldehyde | 8.00 | U | 3.90 | 8.00 | 10.0 | ug/L |
| 108-95-2 | Phenol | 4.00 | U | 0.91 | 4.00 | 5.00 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 4.00 | U | 0.81 | 4.00 | 5.00 | ug/L |
| 95-57-8 | 2-Chlorophenol | 4.00 | U | 0.58 | 4.00 | 5.00 | ug/L |
| 95-48-7 | 2-Methylphenol | 4.00 | U | 1.10 | 4.00 | 5.00 | ug/L |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 4.00 | U | 1.30 | 4.00 | 5.00 | ug/L |
| 98-86-2 | Acetophenone | 4.00 | U | 0.74 | 4.00 | 5.00 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 8.00 | U | 1.10 | 8.00 | 10.0 | ug/L |
| 621-64-7 | n-Nitroso-di-n-propylamine | 2.50 | U | 1.40 | 2.50 | 2.50 | ug/L |
| 67-72-1 | Hexachloroethane | 4.00 | U | 0.65 | 4.00 | 5.00 | ug/L |
| 98-95-3 | Nitrobenzene | 4.00 | U | 0.76 | 4.00 | 5.00 | ug/L |
| 78-59-1 | Isophorone | 4.00 | U | 0.75 | 4.00 | 5.00 | ug/L |
| 88-75-5 | 2-Nitrophenol | 4.00 | U | 1.80 | 4.00 | 5.00 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 4.00 | U | 1.90 | 4.00 | 5.00 | ug/L |
| 111-91-1 | bis(2-Chloroethoxy)methane | 4.00 | U | 0.68 | 4.00 | 5.00 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | 4.00 | U | 0.52 | 4.00 | 5.00 | ug/L |
| 91-20-3 | Naphthalene | 4.00 | U | 0.50 | 4.00 | 5.00 | ug/L |
| 106-47-8 | 4-Chloroaniline | 4.00 | U | 0.84 | 4.00 | 5.00 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 4.00 | U | 0.54 | 4.00 | 5.00 | ug/L |
| 105-60-2 | Caprolactam | 8.00 | U | 1.10 | 8.00 | 10.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | 4.00 | U | 0.59 | 4.00 | 5.00 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 4.00 | U | 0.56 | 4.00 | 5.00 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | 8.00 | U | 3.60 | 8.00 | 10.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 4.00 | U | 0.51 | 4.00 | 5.00 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 4.00 | U | 0.62 | 4.00 | 5.00 | ug/L |
| 92-52-4 | 1,1-Biphenyl | 4.00 | U | 0.53 | 4.00 | 5.00 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | 4.00 | U | 0.61 | 4.00 | 5.00 | ug/L |
| 88-74-4 | 2-Nitroaniline | 4.00 | U | 1.30 | 4.00 | 5.00 | ug/L |
| 131-11-3 | Dimethylphthalate | 4.00 | U | 0.61 | 4.00 | 5.00 | ug/L |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 05/14/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 05/16/25 |
| Client Sample ID: | RW8-SP100-70-20250514 | SDG No.: | Q2064 |
| Lab Sample ID: | Q2064-01 | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024712.D | 1 | 05/19/25 08:42 | 05/20/25 17:59 | PB168048 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 4.00 | U | 0.75 | 4.00 | 5.00 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | 4.00 | U | 0.92 | 4.00 | 5.00 | ug/L |
| 99-09-2 | 3-Nitroaniline | 4.00 | U | 1.10 | 4.00 | 5.00 | ug/L |
| 83-32-9 | Acenaphthene | 4.00 | U | 0.55 | 4.00 | 5.00 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | 8.00 | U | 6.00 | 8.00 | 10.0 | ug/L |
| 100-02-7 | 4-Nitrophenol | 8.00 | U | 2.40 | 8.00 | 10.0 | ug/L |
| 132-64-9 | Dibenzofuran | 4.00 | U | 0.61 | 4.00 | 5.00 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 4.00 | U | 1.20 | 4.00 | 5.00 | ug/L |
| 84-66-2 | Diethylphthalate | 4.00 | U | 0.69 | 4.00 | 5.00 | ug/L |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 4.00 | U | 0.68 | 4.00 | 5.00 | ug/L |
| 86-73-7 | Fluorene | 4.00 | U | 0.63 | 4.00 | 5.00 | ug/L |
| 100-01-6 | 4-Nitroaniline | 4.00 | U | 1.50 | 4.00 | 5.00 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 8.00 | U | 2.90 | 8.00 | 10.0 | ug/L |
| 86-30-6 | n-Nitrosodiphenylamine | 4.00 | U | 0.58 | 4.00 | 5.00 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 4.00 | U | 0.40 | 4.00 | 5.00 | ug/L |
| 118-74-1 | Hexachlorobenzene | 4.00 | U | 0.52 | 4.00 | 5.00 | ug/L |
| 1912-24-9 | Atrazine | 4.00 | U | 1.00 | 4.00 | 5.00 | ug/L |
| 87-86-5 | Pentachlorophenol | 8.00 | U | 1.60 | 8.00 | 10.0 | ug/L |
| 85-01-8 | Phenanthrene | 4.00 | U | 0.50 | 4.00 | 5.00 | ug/L |
| 120-12-7 | Anthracene | 4.00 | U | 0.61 | 4.00 | 5.00 | ug/L |
| 86-74-8 | Carbazole | 4.00 | U | 0.72 | 4.00 | 5.00 | ug/L |
| 84-74-2 | Di-n-butylphthalate | 4.00 | U | 1.20 | 4.00 | 5.00 | ug/L |
| 206-44-0 | Fluoranthene | 4.00 | U | 0.82 | 4.00 | 5.00 | ug/L |
| 129-00-0 | Pyrene | 4.00 | U | 0.50 | 4.00 | 5.00 | ug/L |
| 85-68-7 | Butylbenzylphthalate | 4.00 | U | 1.90 | 4.00 | 5.00 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | 8.00 | U | 0.93 | 8.00 | 10.0 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 4.00 | U | 0.45 | 4.00 | 5.00 | ug/L |
| 218-01-9 | Chrysene | 4.00 | U | 0.44 | 4.00 | 5.00 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 4.00 | U | 1.60 | 4.00 | 5.00 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | 8.00 | U | 2.30 | 8.00 | 10.0 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 4.00 | U | 0.49 | 4.00 | 5.00 | ug/L |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 05/14/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 05/16/25 |
| Client Sample ID: | RW8-SP100-70-20250514 | SDG No.: | Q2064 |
| Lab Sample ID: | Q2064-01 | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024712.D | 1 | 05/19/25 08:42 | 05/20/25 17:59 | PB168048 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 4.00 | U | 0.48 | 4.00 | 5.00 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 4.00 | U | 0.55 | 4.00 | 5.00 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 4.00 | U | 0.59 | 4.00 | 5.00 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 4.00 | U | 0.67 | 4.00 | 5.00 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 4.00 | U | 0.69 | 4.00 | 5.00 | ug/L |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 4.00 | U | 0.52 | 4.00 | 5.00 | ug/L |
| 123-91-1 | 1,4-Dioxane | 4.00 | UQ | 1.00 | 4.00 | 5.00 | ug/L |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 4.00 | U | 0.72 | 4.00 | 5.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 48.9 | | 19 - 119 | | 33% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 25.8 | | 10 - 130 | | 17% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 68.6 | | 44 - 120 | | 69% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 71.1 | | 44 - 119 | | 71% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 149 | | 43 - 140 | | 100% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 83.3 | | 50 - 134 | | 83% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 111000 | 7.657 | | | | |
| 1146-65-2 | Naphthalene-d8 | 420000 | 10.428 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 277000 | 14.286 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 582000 | 17.086 | | | | |
| 1719-03-5 | Chrysene-d12 | 659000 | 21.521 | | | | |
| 1520-96-3 | Perylene-d12 | 738000 | 24.803 | | | | |

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_P\Data\BP052025\
Data File : BP024712.D
Acq On : 20 May 2025 17:59
Operator : RC/JU
Sample : Q2064-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-70-20250514

Quant Time: May 20 18:32:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

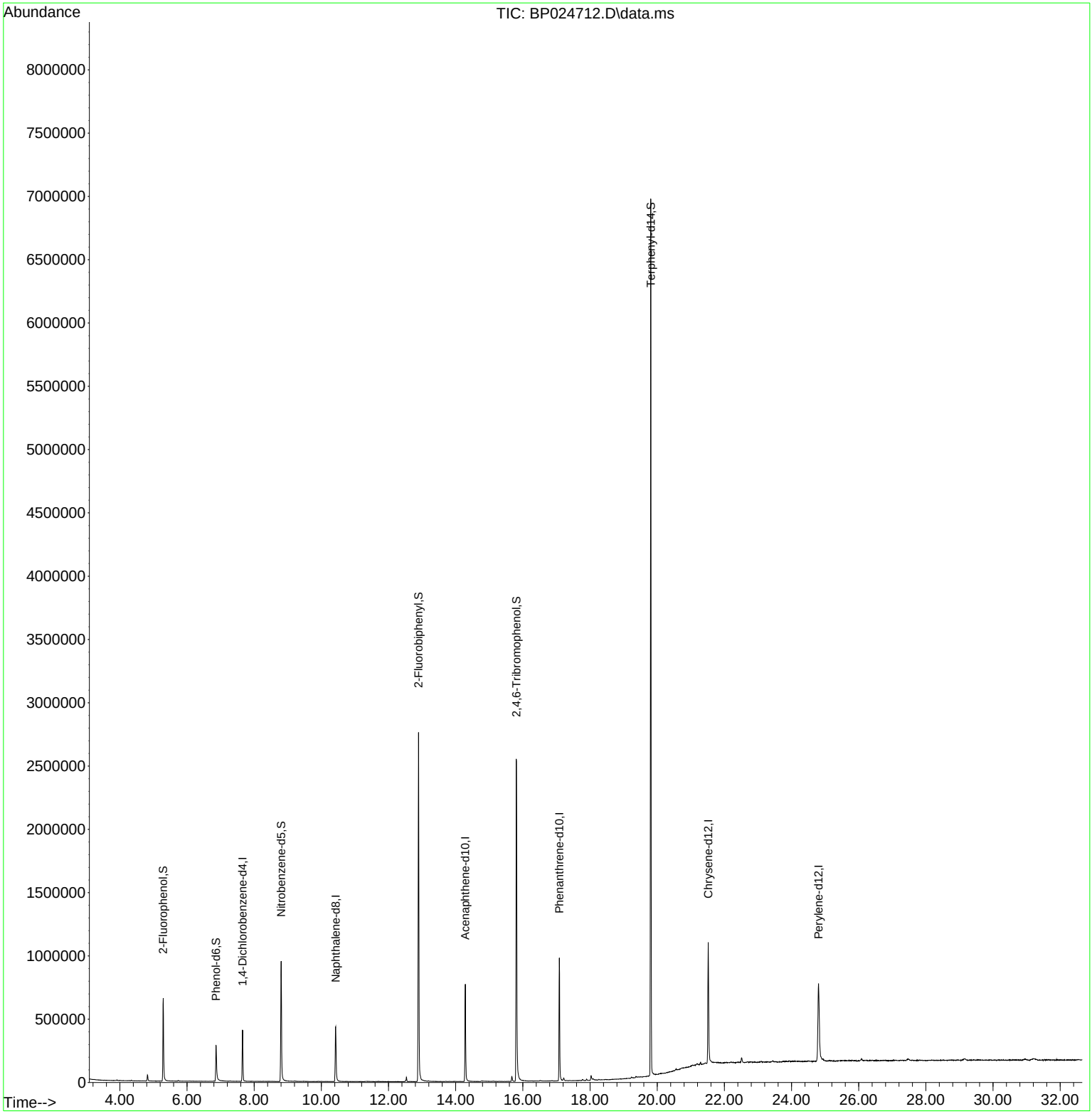
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.657 | 152 | 110969 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.428 | 136 | 419501 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.286 | 164 | 276589 | 20.000 | ng | -0.02 |
| 64) Phenanthrene-d10 | 17.086 | 188 | 582176 | 20.000 | ng | -0.01 |
| 76) Chrysene-d12 | 21.521 | 240 | 659261 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.803 | 264 | 737654 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.293 | 112 | 317059 | 48.868 | ng | 0.00 |
| 7) Phenol-d6 | 6.863 | 99 | 213887 | 25.830 | ng | 0.01 |
| 23) Nitrobenzene-d5 | 8.804 | 82 | 569405 | 68.582 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.810 | 330 | 700087 | 149.305 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 12.892 | 172 | 1500457 | 71.072 | ng | -0.01 |
| 79) Terphenyl-d14 | 19.810 | 244 | 3203310 | 83.316 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |

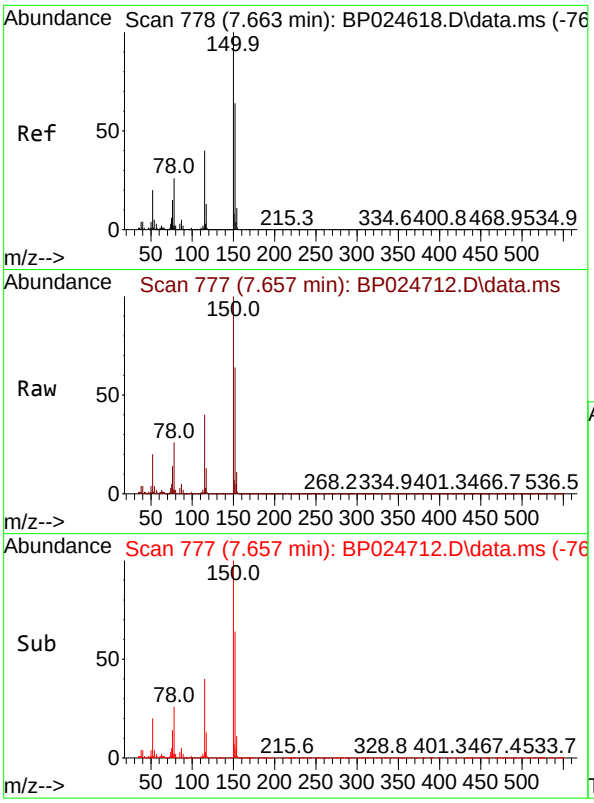
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024712.D
Acq On : 20 May 2025 17:59
Operator : RC/JU
Sample : Q2064-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-70-20250514

Quant Time: May 20 18:32:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



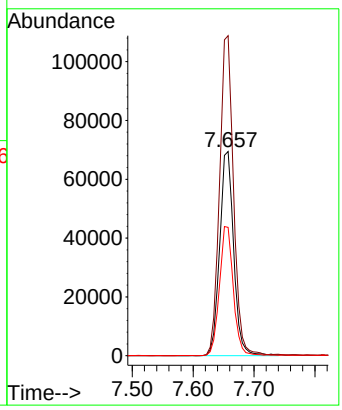


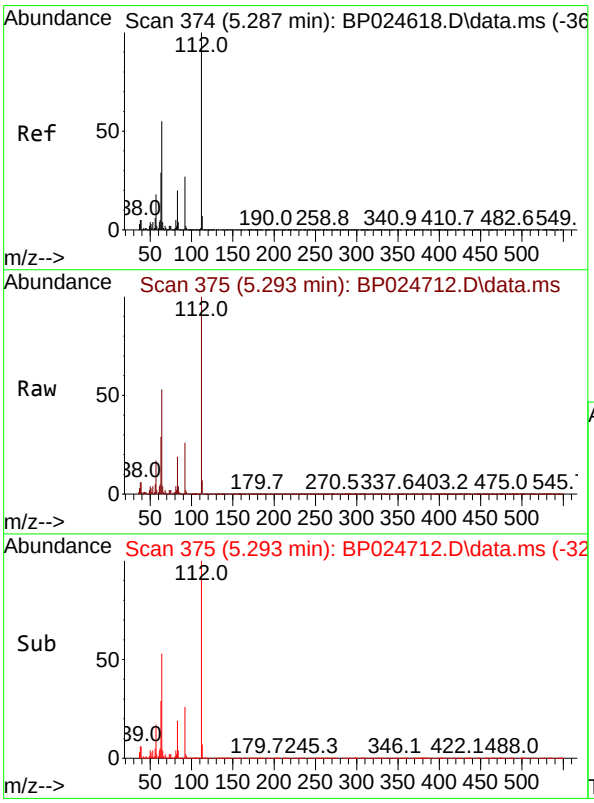

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024712.D
Acq: 20 May 2025 17:59

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-70-20250514

Tgt Ion:152 Resp: 110969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.8 | 125.9 | 188.9 |
| 115 | 62.9 | 50.1 | 75.1 |

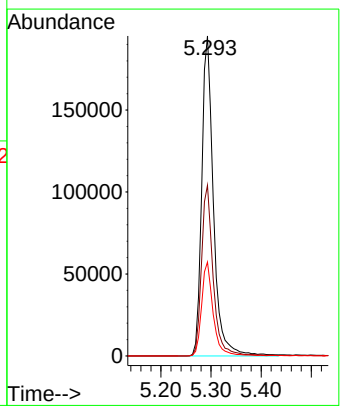


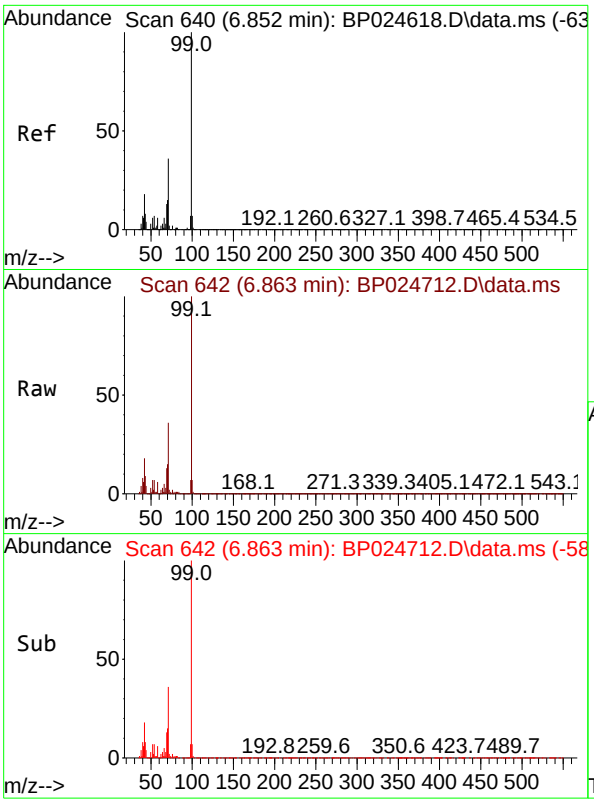




#5
2-Fluorophenol
Concen: 48.868 ng
RT: 5.293 min Scan# 375
Delta R.T. 0.006 min
Lab File: BP024712.D
Acq: 20 May 2025 17:59

Tgt Ion:112 Resp: 317059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.4 | 44.1 | 66.1 |
| 63 | 29.3 | 23.5 | 35.3 |



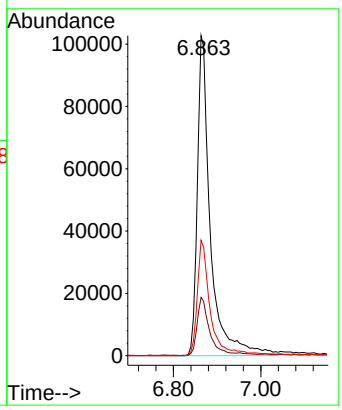


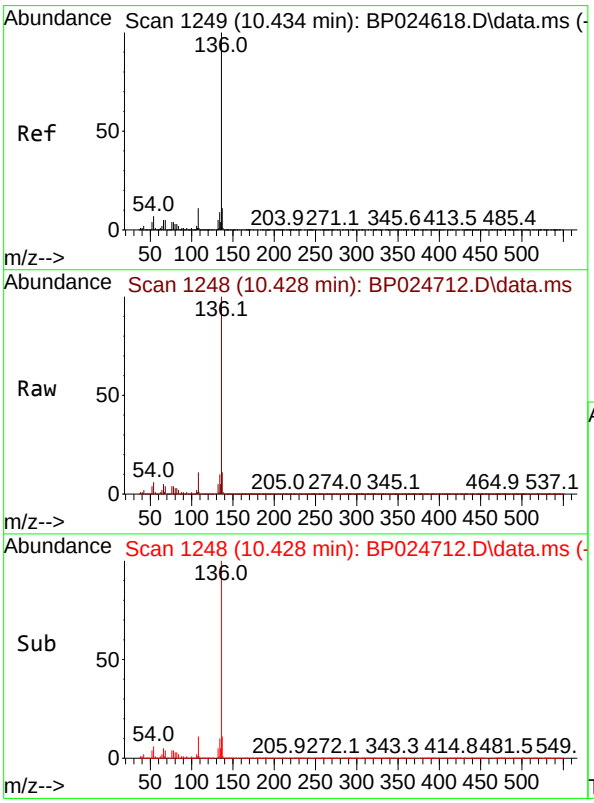

#7
Phenol-d6
Concen: 25.830 ng
RT: 6.863 min Scan# 64
Delta R.T. 0.012 min
Lab File: BP024712.D
Acq: 20 May 2025 17:59

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-70-20250514

Tgt Ion: 99 Resp: 213887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.2 | 14.4 | 21.6 |
| 71 | 36.1 | 29.2 | 43.8 |

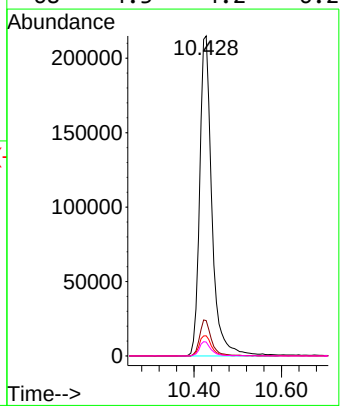


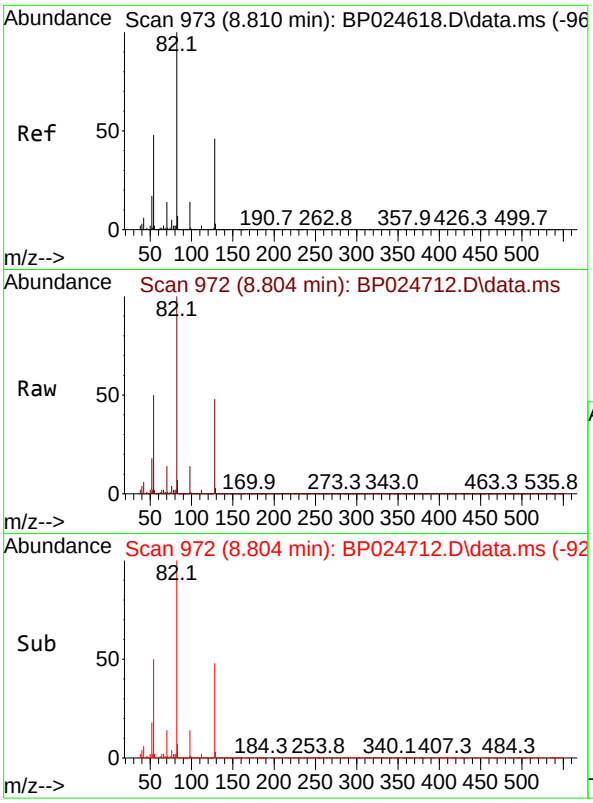




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024712.D
Acq: 20 May 2025 17:59

Tgt Ion:136 Resp: 419501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.8 | 13.2 |
| 54 | 6.3 | 5.5 | 8.3 |
| 68 | 4.3 | 4.2 | 6.2 |



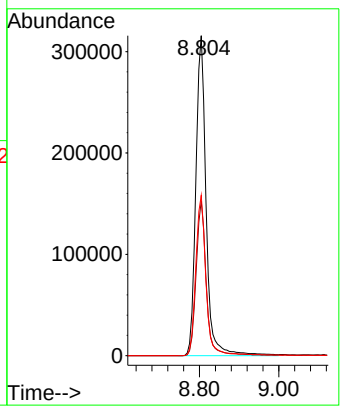


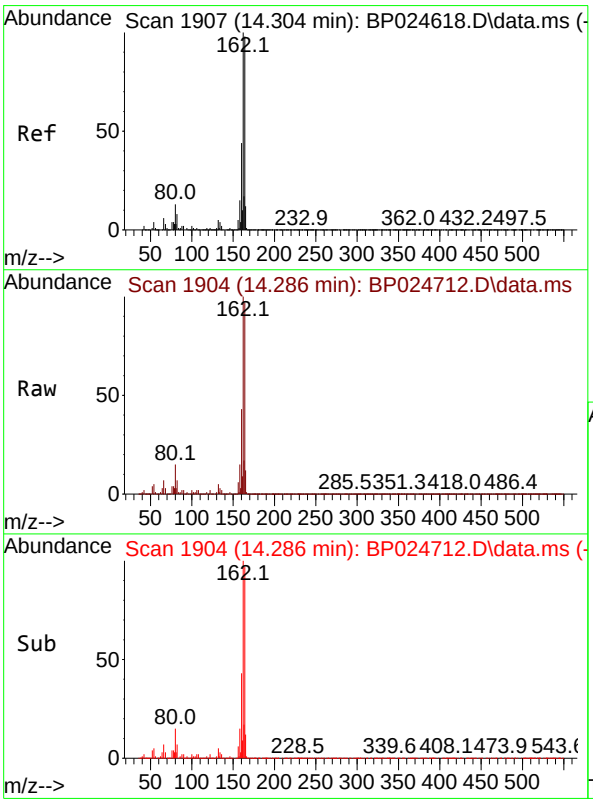

#23
Nitrobenzene-d5
Concen: 68.582 ng
RT: 8.804 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024712.D
Acq: 20 May 2025 17:59

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-70-20250514

Tgt Ion: 82 Resp: 569405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 48.4 | 37.0 | 55.4 |
| 54 | 50.1 | 38.7 | 58.1 |

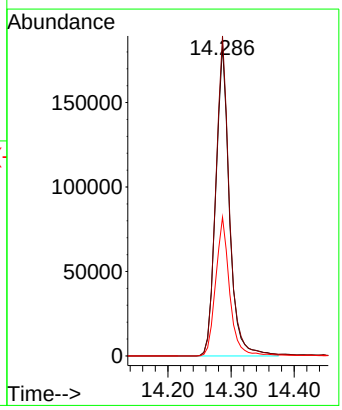


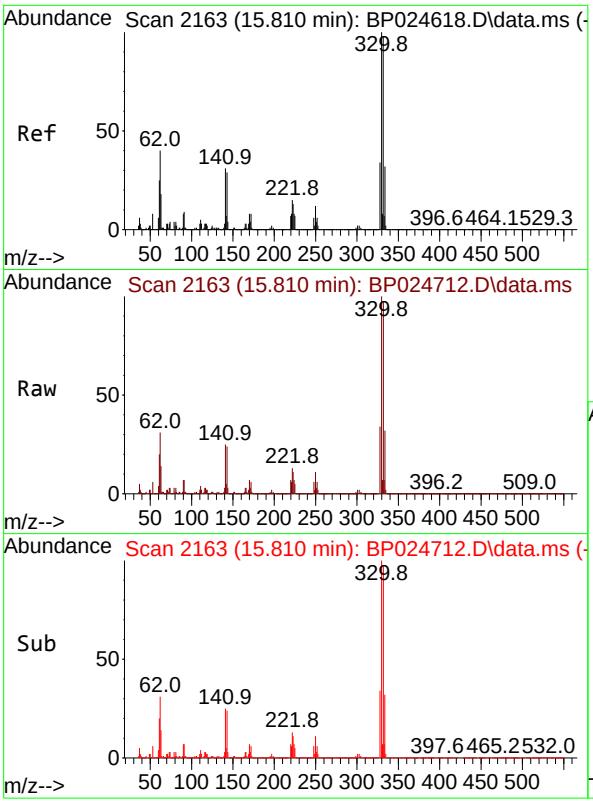




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.286 min Scan# 1904
Delta R.T. -0.018 min
Lab File: BP024712.D
Acq: 20 May 2025 17:59

Tgt Ion:164 Resp: 276589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.9 | 81.8 | 122.6 |
| 160 | 44.6 | 36.3 | 54.5 |



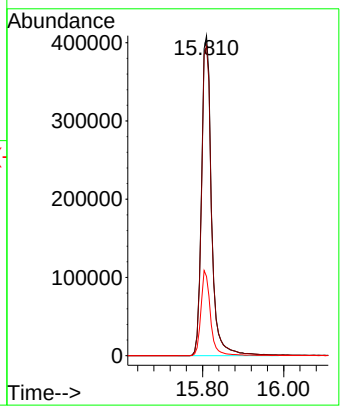


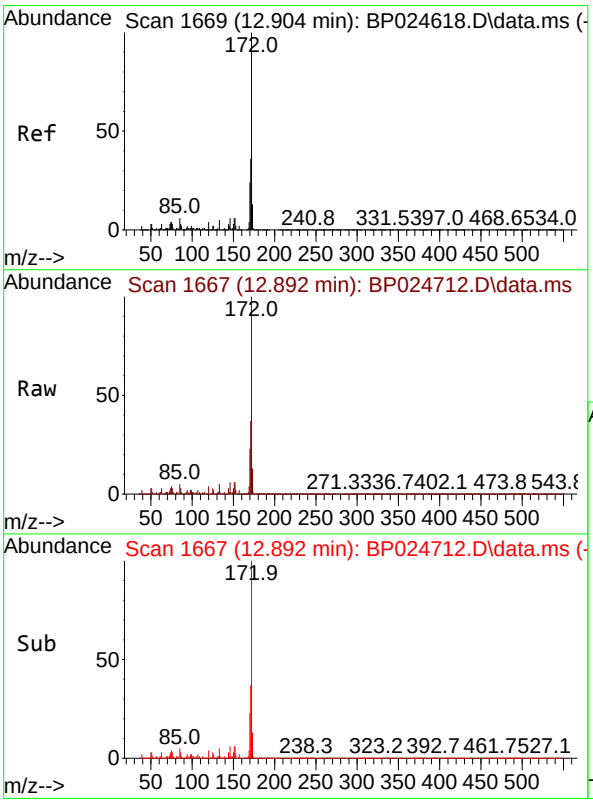

#42
2,4,6-Tribromophenol
Concen: 149.305 ng
RT: 15.810 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024712.D
Acq: 20 May 2025 17:59

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-70-20250514

Tgt Ion:330 Resp: 700087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.4 | 78.2 | 117.4 |
| 141 | 25.3 | 24.3 | 36.5 |

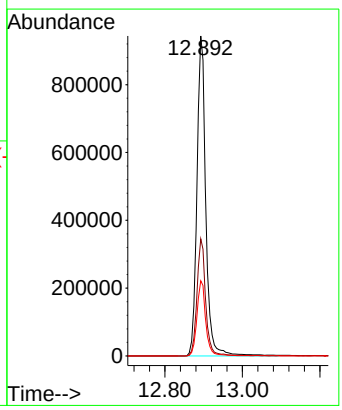


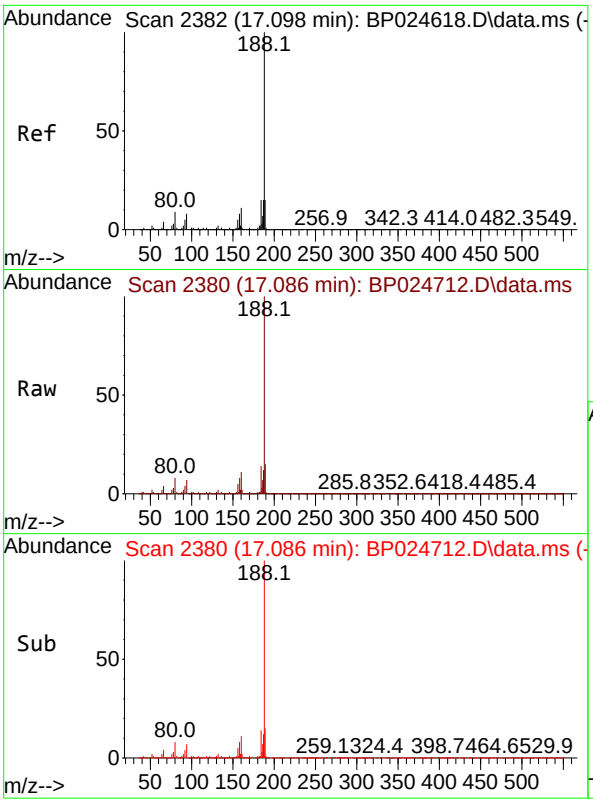




#45
2-Fluorobiphenyl
Concen: 71.072 ng
RT: 12.892 min Scan# 1667
Delta R.T. -0.012 min
Lab File: BP024712.D
Acq: 20 May 2025 17:59

Tgt Ion:172 Resp: 1500457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.6 | 28.8 | 43.2 |
| 170 | 23.5 | 18.8 | 28.2 |



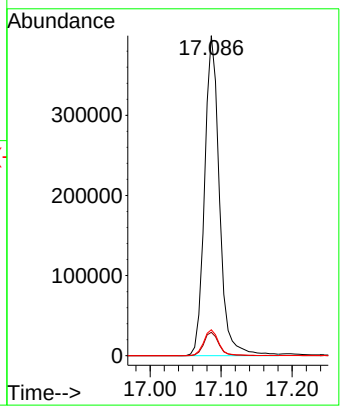


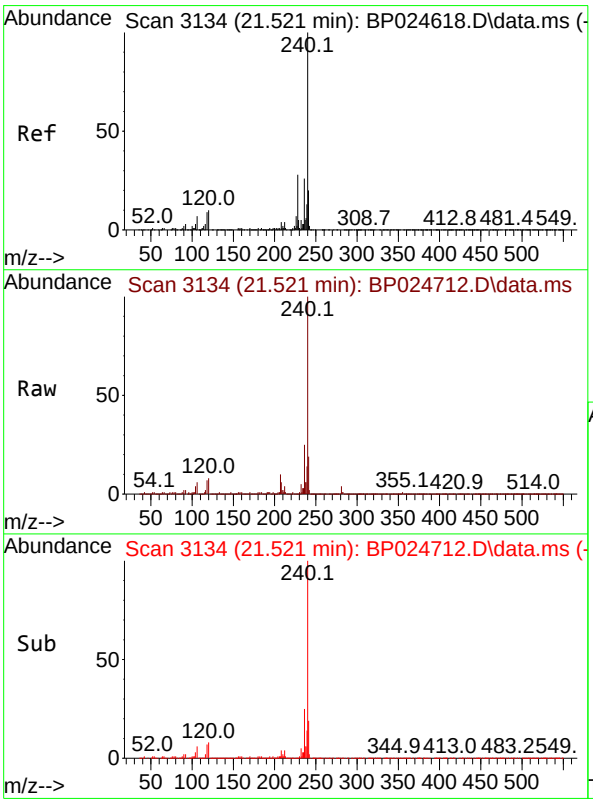

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024712.D
Acq: 20 May 2025 17:59

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-70-20250514

Tgt Ion:188 Resp: 582176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.3 | 6.5 | 9.7 |
| 80 | 8.1 | 7.3 | 10.9 |

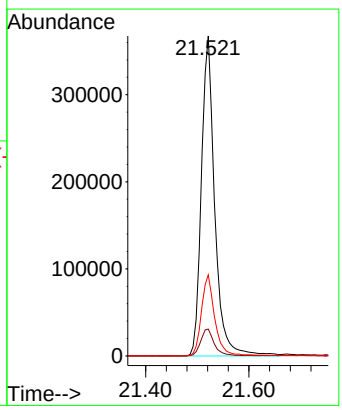


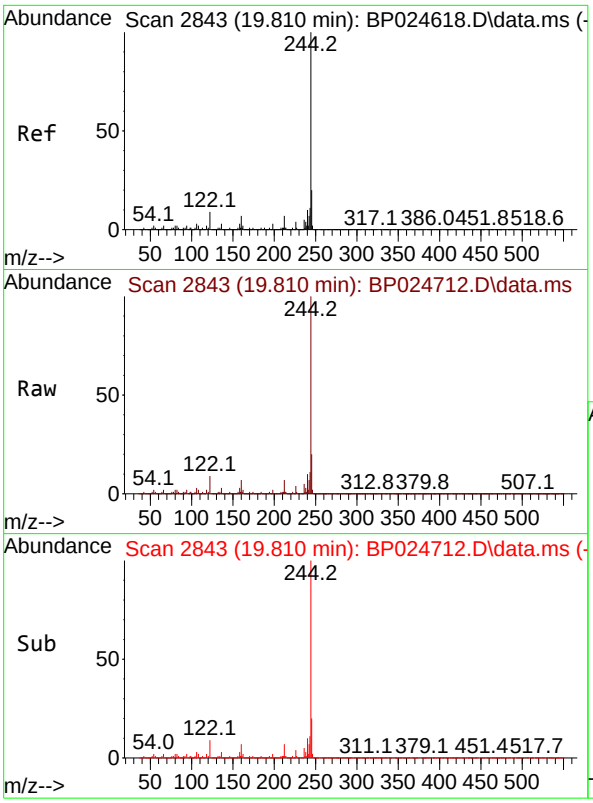




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.521 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BP024712.D
Acq: 20 May 2025 17:59

Tgt Ion:240 Resp: 659261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.4 | 7.8 | 11.6 |
| 236 | 25.3 | 20.6 | 31.0 |



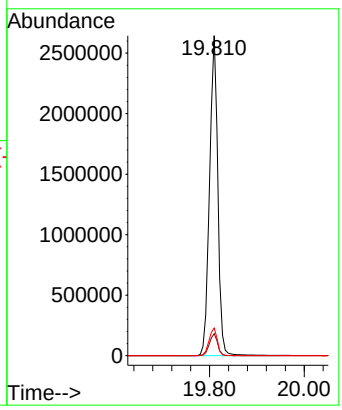


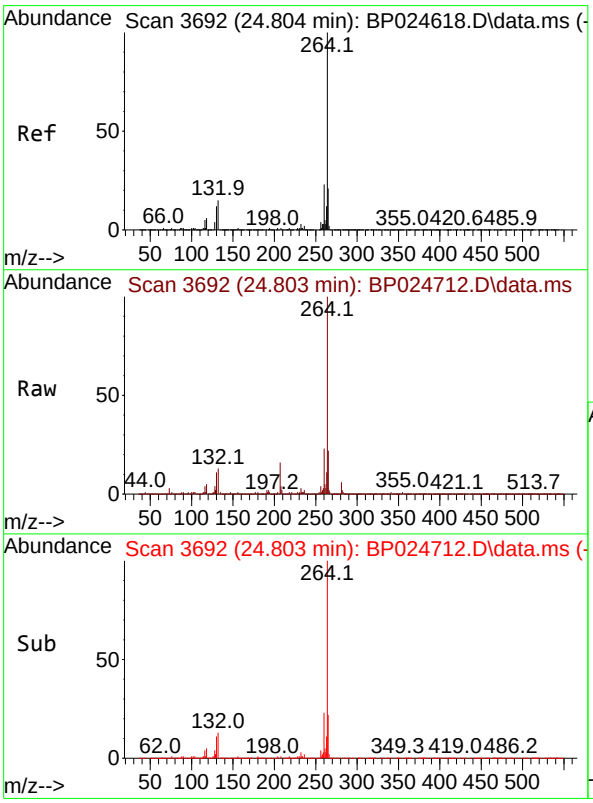

#79
Terphenyl-d14
Concen: 83.316 ng
RT: 19.810 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024712.D
Acq: 20 May 2025 17:59

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-70-20250514

Tgt Ion:244 Resp: 3203310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.5 | 8.3 |
| 122 | 8.6 | 7.4 | 11.0 |

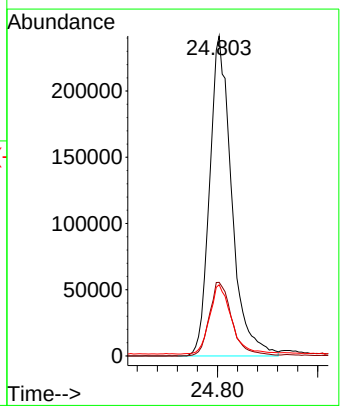



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.803 min Scan# 3692
Delta R.T. -0.000 min
Lab File: BP024712.D
Acq: 20 May 2025 17:59

Tgt Ion:264 Resp: 737654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.0 | 18.7 | 28.1 |
| 265 | 22.3 | 17.0 | 25.6 |



Sample Results: **BP024712.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024712.D
Acq On : 20 May 2025 17:59
Operator : RC/JU
Sample : Q2064-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-70-20250514

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024712.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.293 | 369 | 375 | 392 | rBV | 654822 | 1070163 | 12.73% | 3.825% |
| 2 | 6.863 | 636 | 642 | 664 | rBV | 287515 | 602015 | 7.16% | 2.152% |
| 3 | 7.651 | 770 | 776 | 788 | rBV | 403324 | 643122 | 7.65% | 2.299% |
| 4 | 8.804 | 962 | 972 | 989 | rBV | 949707 | 1685996 | 20.05% | 6.026% |
| 5 | 10.428 | 1240 | 1248 | 1267 | rBV | 431758 | 838642 | 9.97% | 2.998% |
| 6 | 12.892 | 1657 | 1667 | 1683 | rBV | 2758595 | 4289696 | 51.01% | 15.333% |
| 7 | 14.286 | 1896 | 1904 | 1924 | rBV | 769153 | 1180188 | 14.03% | 4.218% |
| 8 | 15.804 | 2155 | 2162 | 2179 | rBV | 2546682 | 4376513 | 52.04% | 15.643% |
| 9 | 17.086 | 2374 | 2380 | 2392 | rBV2 | 971587 | 1435551 | 17.07% | 5.131% |
| 10 | 19.810 | 2837 | 2843 | 2856 | rBV | 6924823 | 8409577 | 100.00% | 30.058% |
| 11 | 21.521 | 3128 | 3134 | 3157 | rBV | 950809 | 1724234 | 20.50% | 6.163% |
| 12 | 24.803 | 3684 | 3692 | 3709 | rVB | 597259 | 1722060 | 20.48% | 6.155% |

Sum of corrected areas: 27977757

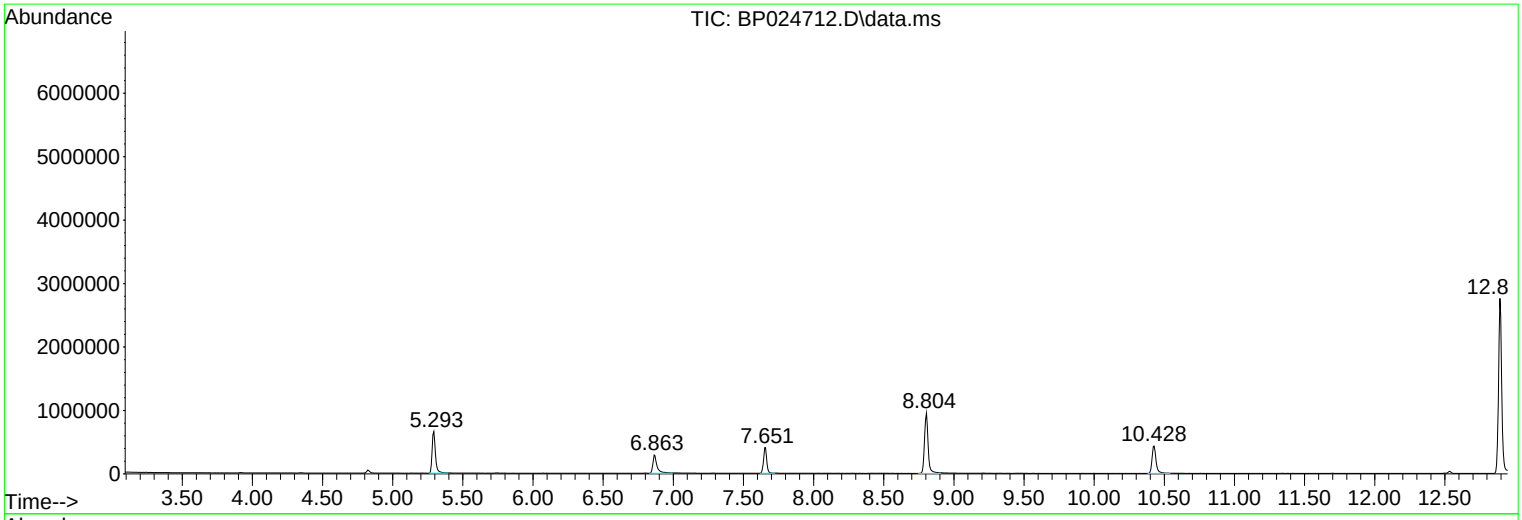
Sample Results: **BP024712.D**

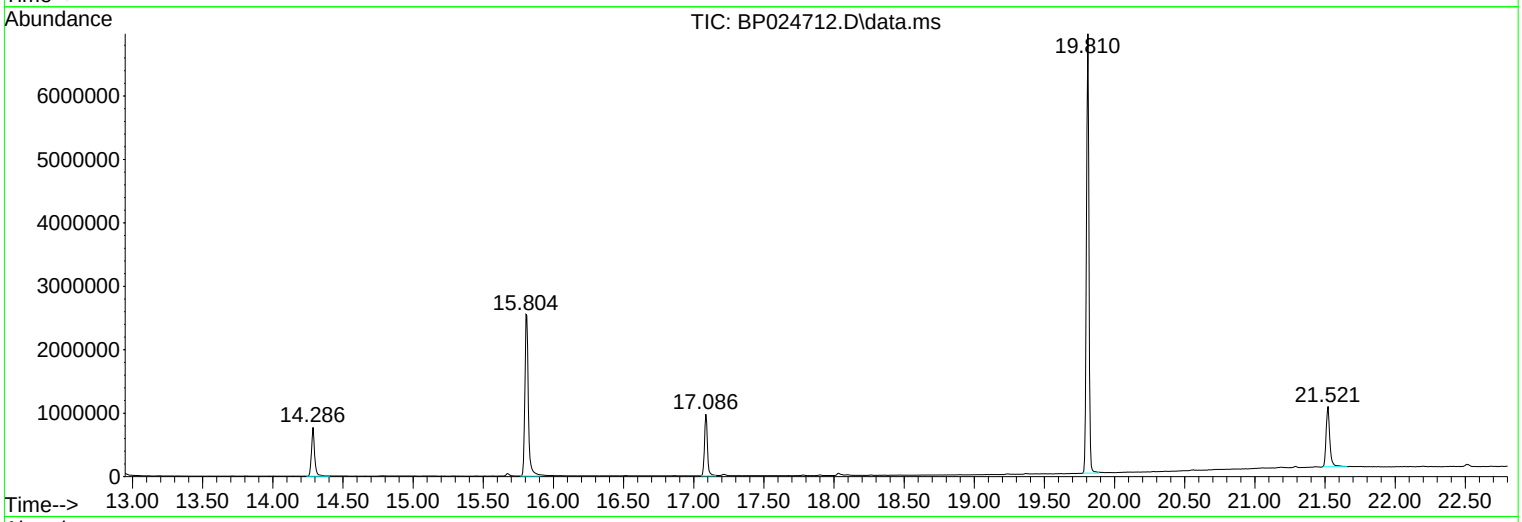
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024712.D
Acq On : 20 May 2025 17:59
Operator : RC/JU
Sample : Q2064-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

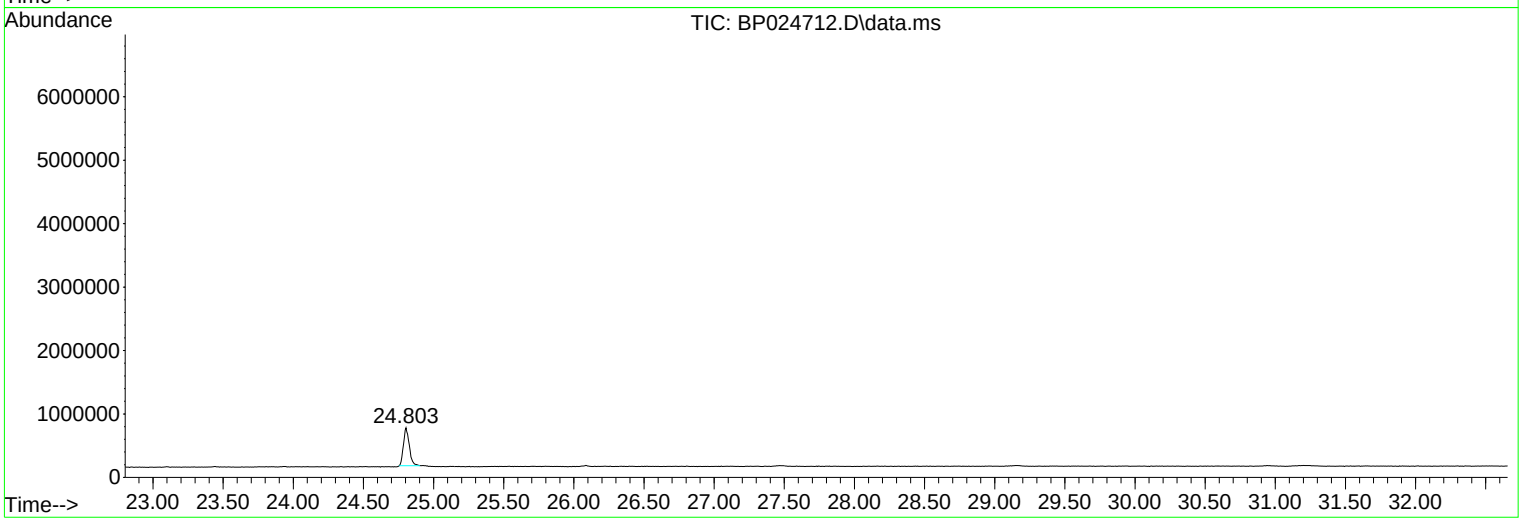
**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-70-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024712.D
Acq On : 20 May 2025 17:59
Operator : RC/JU
Sample : Q2064-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-70-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
**********

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024712.D
Acq On : 20 May 2025 17:59
Operator : RC/JU
Sample : Q2064-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-70-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 05/14/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 05/16/25 |
| Client Sample ID: | RW8-SP303-70-20250514 | SDG No.: | Q2064 |
| Lab Sample ID: | Q2064-04 | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024713.D | 1 | 05/19/25 08:42 | 05/20/25 18:40 | PB168048 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 100-52-7 | Benzaldehyde | 8.00 | U | 3.90 | 8.00 | 10.0 | ug/L |
| 108-95-2 | Phenol | 4.00 | U | 0.91 | 4.00 | 5.00 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 4.00 | U | 0.81 | 4.00 | 5.00 | ug/L |
| 95-57-8 | 2-Chlorophenol | 4.00 | U | 0.58 | 4.00 | 5.00 | ug/L |
| 95-48-7 | 2-Methylphenol | 4.00 | U | 1.10 | 4.00 | 5.00 | ug/L |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 4.00 | U | 1.30 | 4.00 | 5.00 | ug/L |
| 98-86-2 | Acetophenone | 4.00 | U | 0.74 | 4.00 | 5.00 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 8.00 | U | 1.10 | 8.00 | 10.0 | ug/L |
| 621-64-7 | n-Nitroso-di-n-propylamine | 2.50 | U | 1.40 | 2.50 | 2.50 | ug/L |
| 67-72-1 | Hexachloroethane | 4.00 | U | 0.65 | 4.00 | 5.00 | ug/L |
| 98-95-3 | Nitrobenzene | 4.00 | U | 0.76 | 4.00 | 5.00 | ug/L |
| 78-59-1 | Isophorone | 4.00 | U | 0.75 | 4.00 | 5.00 | ug/L |
| 88-75-5 | 2-Nitrophenol | 4.00 | U | 1.80 | 4.00 | 5.00 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 4.00 | U | 1.90 | 4.00 | 5.00 | ug/L |
| 111-91-1 | bis(2-Chloroethoxy)methane | 4.00 | U | 0.68 | 4.00 | 5.00 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | 4.00 | U | 0.52 | 4.00 | 5.00 | ug/L |
| 91-20-3 | Naphthalene | 4.00 | U | 0.50 | 4.00 | 5.00 | ug/L |
| 106-47-8 | 4-Chloroaniline | 4.00 | U | 0.84 | 4.00 | 5.00 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 4.00 | U | 0.54 | 4.00 | 5.00 | ug/L |
| 105-60-2 | Caprolactam | 8.00 | U | 1.10 | 8.00 | 10.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | 4.00 | U | 0.59 | 4.00 | 5.00 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 4.00 | U | 0.56 | 4.00 | 5.00 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | 8.00 | U | 3.60 | 8.00 | 10.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 4.00 | U | 0.51 | 4.00 | 5.00 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 4.00 | U | 0.62 | 4.00 | 5.00 | ug/L |
| 92-52-4 | 1,1-Biphenyl | 4.00 | U | 0.53 | 4.00 | 5.00 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | 4.00 | U | 0.61 | 4.00 | 5.00 | ug/L |
| 88-74-4 | 2-Nitroaniline | 4.00 | U | 1.30 | 4.00 | 5.00 | ug/L |
| 131-11-3 | Dimethylphthalate | 4.00 | U | 0.61 | 4.00 | 5.00 | ug/L |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 05/14/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 05/16/25 |
| Client Sample ID: | RW8-SP303-70-20250514 | SDG No.: | Q2064 |
| Lab Sample ID: | Q2064-04 | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024713.D | 1 | 05/19/25 08:42 | 05/20/25 18:40 | PB168048 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 4.00 | U | 0.75 | 4.00 | 5.00 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | 4.00 | U | 0.92 | 4.00 | 5.00 | ug/L |
| 99-09-2 | 3-Nitroaniline | 4.00 | U | 1.10 | 4.00 | 5.00 | ug/L |
| 83-32-9 | Acenaphthene | 4.00 | U | 0.55 | 4.00 | 5.00 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | 8.00 | U | 6.00 | 8.00 | 10.0 | ug/L |
| 100-02-7 | 4-Nitrophenol | 8.00 | U | 2.40 | 8.00 | 10.0 | ug/L |
| 132-64-9 | Dibenzofuran | 4.00 | U | 0.61 | 4.00 | 5.00 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 4.00 | U | 1.20 | 4.00 | 5.00 | ug/L |
| 84-66-2 | Diethylphthalate | 4.00 | U | 0.69 | 4.00 | 5.00 | ug/L |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 4.00 | U | 0.68 | 4.00 | 5.00 | ug/L |
| 86-73-7 | Fluorene | 4.00 | U | 0.63 | 4.00 | 5.00 | ug/L |
| 100-01-6 | 4-Nitroaniline | 4.00 | U | 1.50 | 4.00 | 5.00 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 8.00 | U | 2.90 | 8.00 | 10.0 | ug/L |
| 86-30-6 | n-Nitrosodiphenylamine | 4.00 | U | 0.58 | 4.00 | 5.00 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 4.00 | U | 0.40 | 4.00 | 5.00 | ug/L |
| 118-74-1 | Hexachlorobenzene | 4.00 | U | 0.52 | 4.00 | 5.00 | ug/L |
| 1912-24-9 | Atrazine | 4.00 | U | 1.00 | 4.00 | 5.00 | ug/L |
| 87-86-5 | Pentachlorophenol | 8.00 | U | 1.60 | 8.00 | 10.0 | ug/L |
| 85-01-8 | Phenanthrene | 4.00 | U | 0.50 | 4.00 | 5.00 | ug/L |
| 120-12-7 | Anthracene | 4.00 | U | 0.61 | 4.00 | 5.00 | ug/L |
| 86-74-8 | Carbazole | 4.00 | U | 0.72 | 4.00 | 5.00 | ug/L |
| 84-74-2 | Di-n-butylphthalate | 4.00 | U | 1.20 | 4.00 | 5.00 | ug/L |
| 206-44-0 | Fluoranthene | 4.00 | U | 0.82 | 4.00 | 5.00 | ug/L |
| 129-00-0 | Pyrene | 4.00 | U | 0.50 | 4.00 | 5.00 | ug/L |
| 85-68-7 | Butylbenzylphthalate | 4.00 | U | 1.90 | 4.00 | 5.00 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | 8.00 | U | 0.93 | 8.00 | 10.0 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 4.00 | U | 0.45 | 4.00 | 5.00 | ug/L |
| 218-01-9 | Chrysene | 4.00 | U | 0.44 | 4.00 | 5.00 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 2.10 | J | 1.60 | 4.00 | 5.00 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | 8.00 | U | 2.30 | 8.00 | 10.0 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 4.00 | U | 0.49 | 4.00 | 5.00 | ug/L |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 05/14/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 05/16/25 |
| Client Sample ID: | RW8-SP303-70-20250514 | SDG No.: | Q2064 |
| Lab Sample ID: | Q2064-04 | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024713.D | 1 | 05/19/25 08:42 | 05/20/25 18:40 | PB168048 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 4.00 | U | 0.48 | 4.00 | 5.00 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 4.00 | U | 0.55 | 4.00 | 5.00 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 4.00 | U | 0.59 | 4.00 | 5.00 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 4.00 | U | 0.67 | 4.00 | 5.00 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 4.00 | U | 0.69 | 4.00 | 5.00 | ug/L |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 4.00 | U | 0.52 | 4.00 | 5.00 | ug/L |
| 123-91-1 | 1,4-Dioxane | 4.00 | UQ | 1.00 | 4.00 | 5.00 | ug/L |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 4.00 | U | 0.72 | 4.00 | 5.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 49.7 | | 19 - 119 | | 33% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 27.0 | | 10 - 130 | | 18% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 67.4 | | 44 - 120 | | 67% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 71.4 | | 44 - 119 | | 71% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 155 | | 43 - 140 | | 103% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 94.1 | | 50 - 134 | | 94% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 118000 | 7.657 | | | | |
| 1146-65-2 | Naphthalene-d8 | 456000 | 10.428 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 312000 | 14.292 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 617000 | 17.086 | | | | |
| 1719-03-5 | Chrysene-d12 | 695000 | 21.515 | | | | |
| 1520-96-3 | Perylene-d12 | 845000 | 24.804 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 000119-61-9 | Benzophenone | 4.20 | J | | | 15.7 | ug/L |
| 000057-10-3 | n-Hexadecanoic acid | 2.40 | J | | | 18.0 | ug/L |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 05/14/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 05/16/25 |
| Client Sample ID: | RW8-SP303-70-20250514 | SDG No.: | Q2064 |
| Lab Sample ID: | Q2064-04 | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024713.D | 1 | 05/19/25 08:42 | 05/20/25 18:40 | PB168048 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | 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_P\Data\BP052025\
Data File : BP024713.D
Acq On : 20 May 2025 18:40
Operator : RC/JU
Sample : Q2064-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-70-20250514

Quant Time: May 21 01:25:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

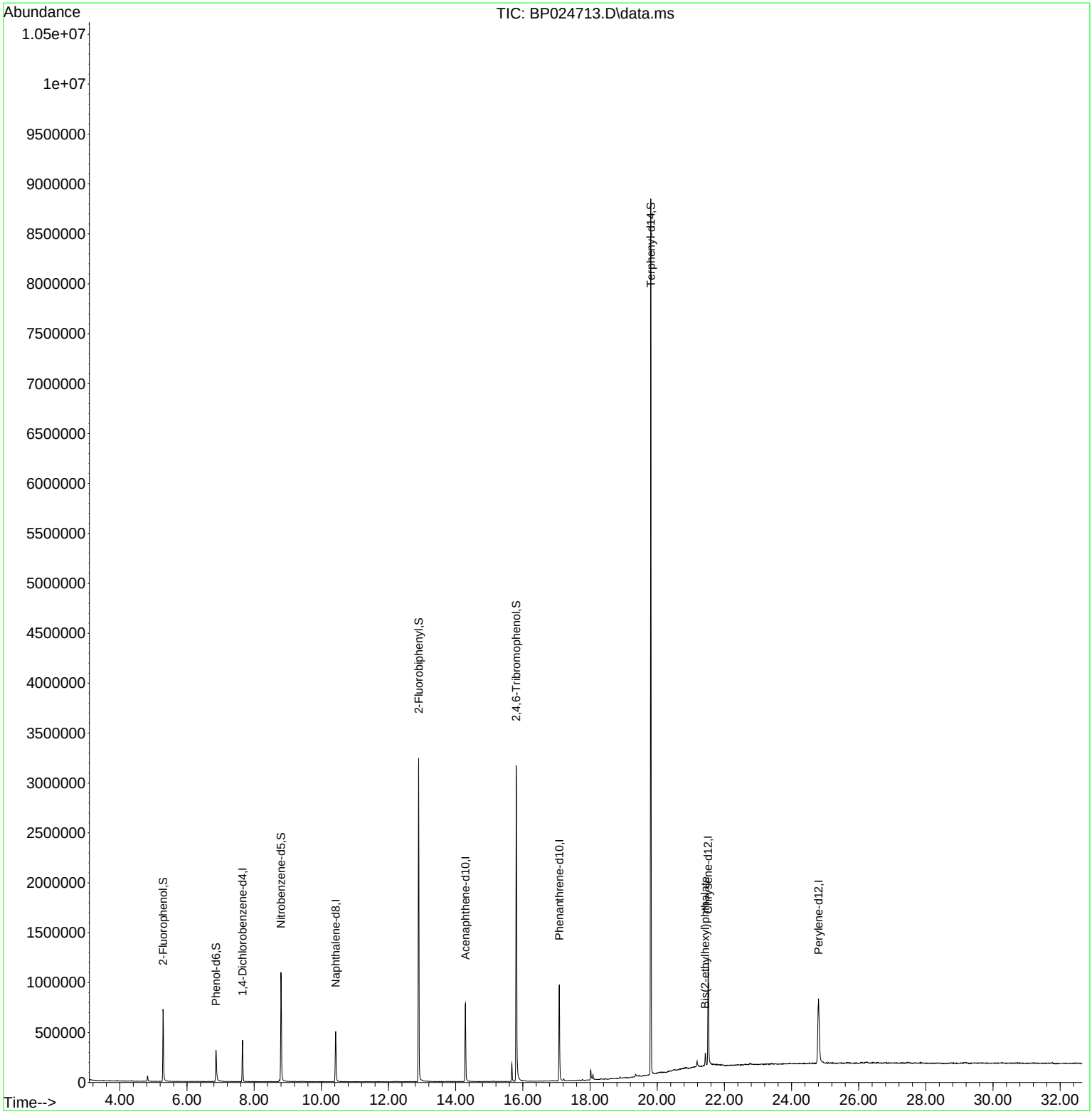
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.657 | 152 | 118478 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.428 | 136 | 455563 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.292 | 164 | 312017 | 20.000 | ng | -0.01 |
| 64) Phenanthrene-d10 | 17.086 | 188 | 617202 | 20.000 | ng | -0.01 |
| 76) Chrysene-d12 | 21.515 | 240 | 694869 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.804 | 264 | 845393 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.287 | 112 | 344511 | 49.734 | ng | 0.00 |
| 7) Phenol-d6 | 6.863 | 99 | 238936 | 27.027 | ng | 0.01 |
| 23) Nitrobenzene-d5 | 8.798 | 82 | 607815 | 67.413 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.804 | 330 | 817839 | 154.613 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 12.898 | 172 | 1699983 | 71.380 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.810 | 244 | 3812935 | 94.090 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 84) Bis(2-ethylhexyl)phtha... | 21.433 | 149 | 56638 | 2.081 | ng | 98 |

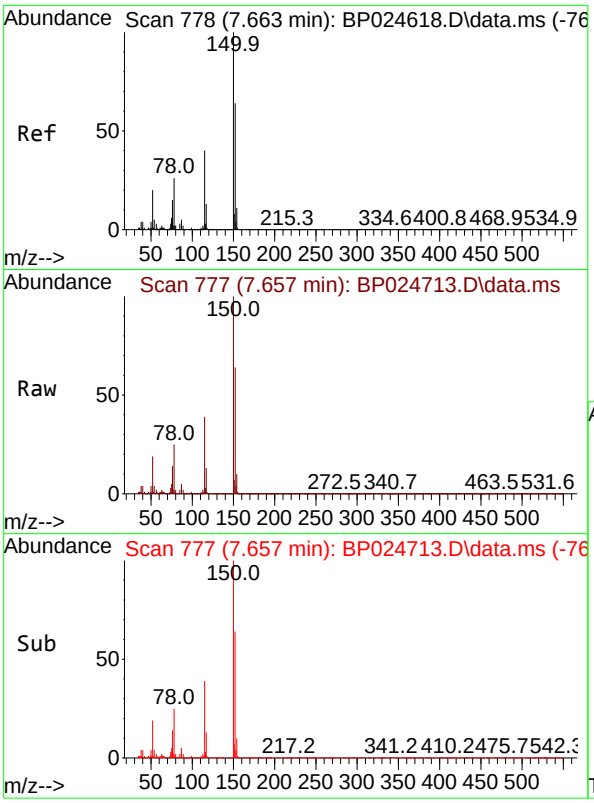
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024713.D
Acq On : 20 May 2025 18:40
Operator : RC/JU
Sample : Q2064-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-70-20250514

Quant Time: May 21 01:25:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



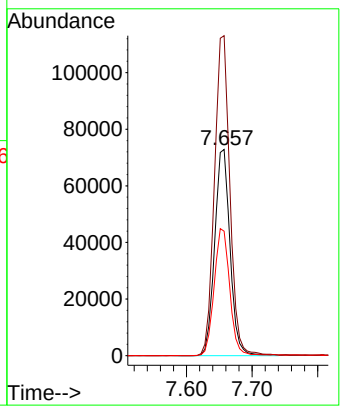


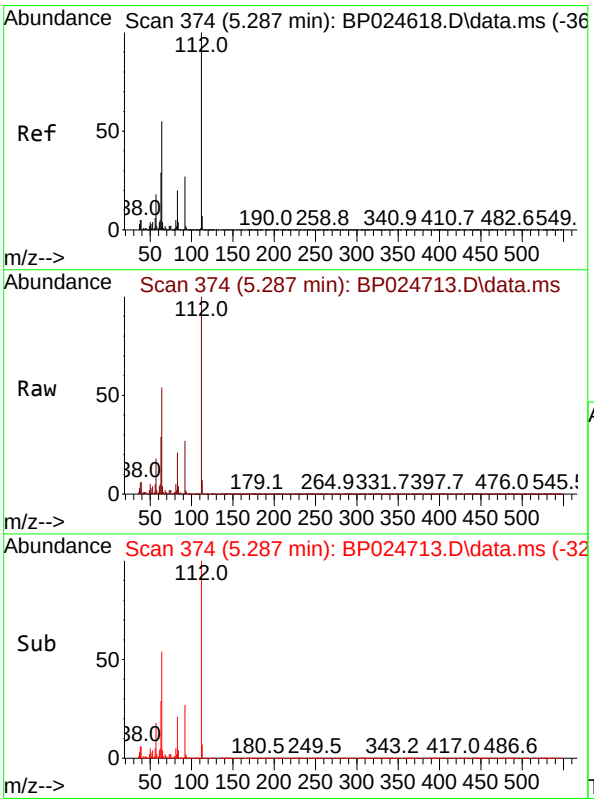

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024713.D
Acq: 20 May 2025 18:40

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-70-20250514

Tgt Ion:152 Resp: 118478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.2 | 125.9 | 188.9 |
| 115 | 60.4 | 50.1 | 75.1 |

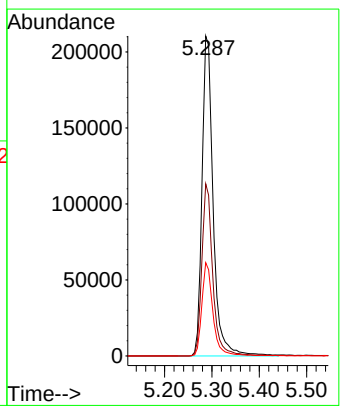


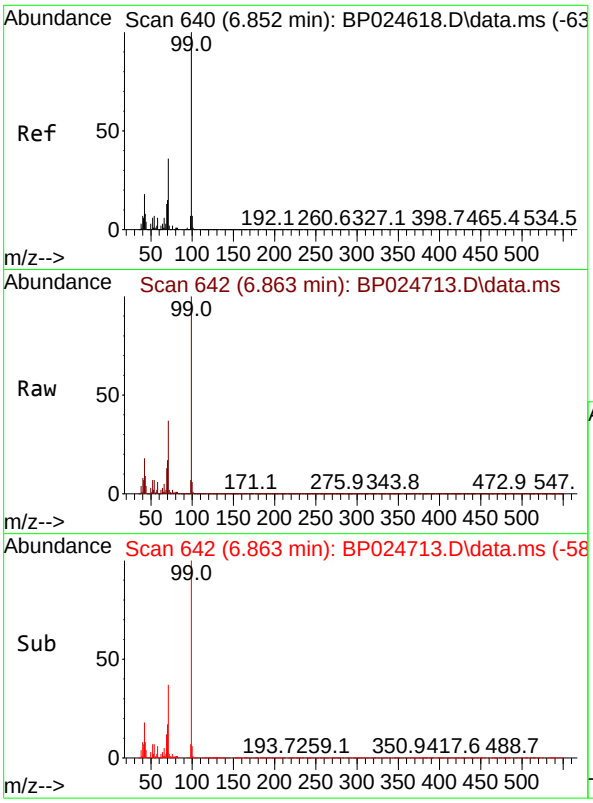




#5
2-Fluorophenol
Concen: 49.734 ng
RT: 5.287 min Scan# 374
Delta R.T. -0.000 min
Lab File: BP024713.D
Acq: 20 May 2025 18:40

Tgt Ion:112 Resp: 344511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.8 | 44.1 | 66.1 |
| 63 | 29.2 | 23.5 | 35.3 |



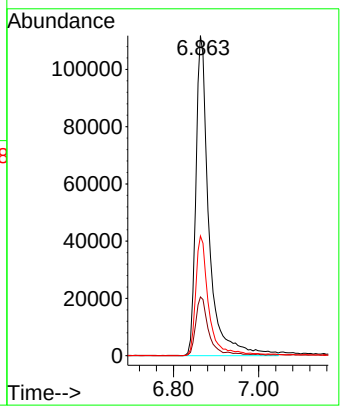


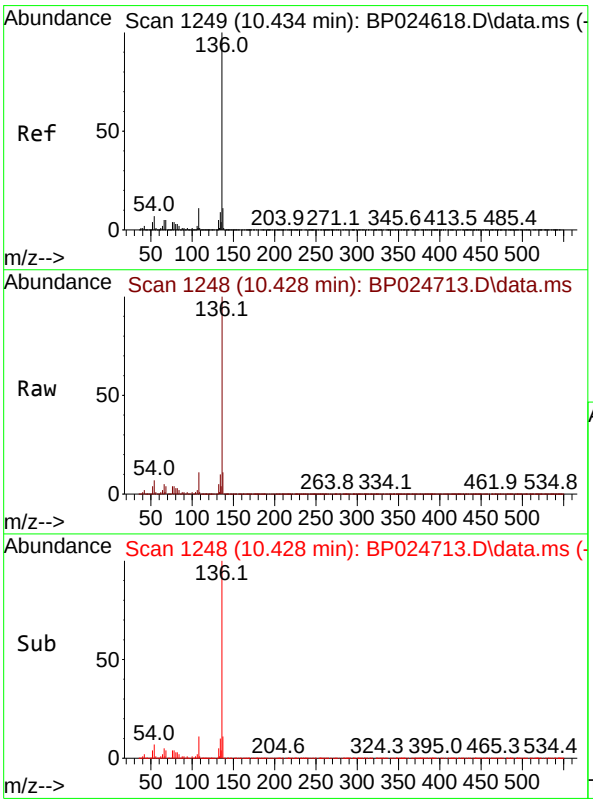

#7
Phenol-d6
Concen: 27.027 ng
RT: 6.863 min Scan# 64
Delta R.T. 0.012 min
Lab File: BP024713.D
Acq: 20 May 2025 18:40

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-70-20250514

Tgt Ion: 99 Resp: 238936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.3 | 14.4 | 21.6 |
| 71 | 37.4 | 29.2 | 43.8 |

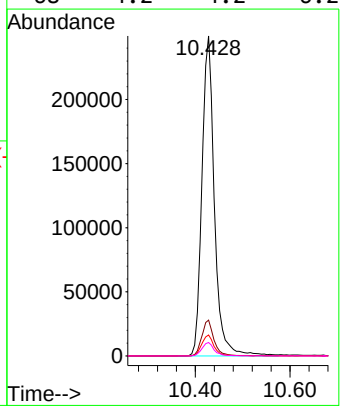


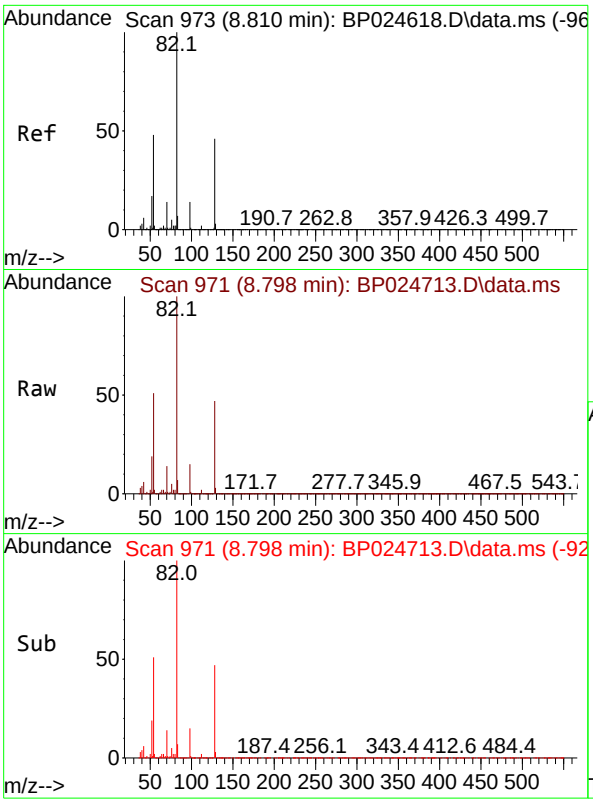




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024713.D
Acq: 20 May 2025 18:40

Tgt Ion:136 Resp: 455563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.8 | 13.2 |
| 54 | 6.5 | 5.5 | 8.3 |
| 68 | 4.2 | 4.2 | 6.2 |



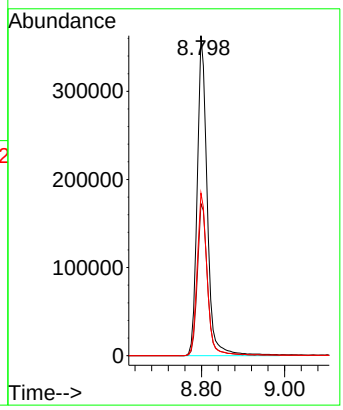


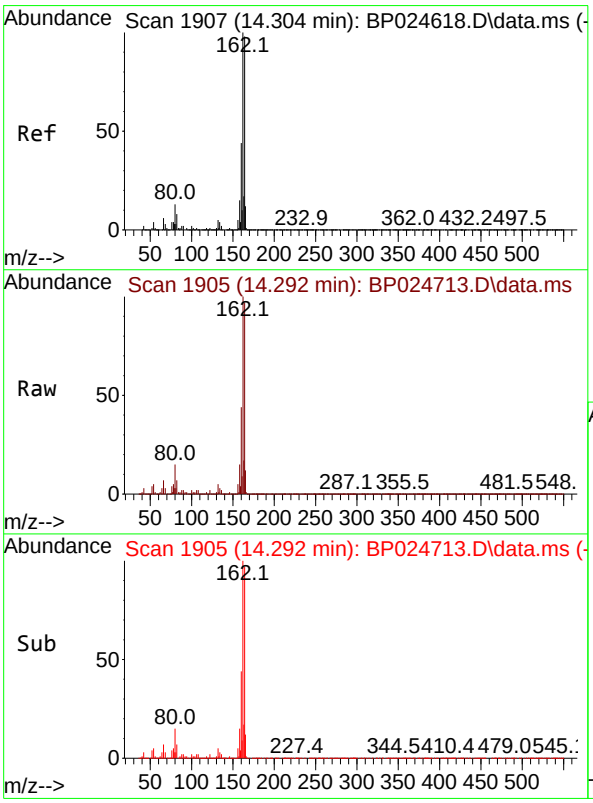

#23
Nitrobenzene-d5
Concen: 67.413 ng
RT: 8.798 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024713.D
Acq: 20 May 2025 18:40

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-70-20250514

Tgt Ion: 82 Resp: 607815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.5 | 37.0 | 55.4 |
| 54 | 50.8 | 38.7 | 58.1 |

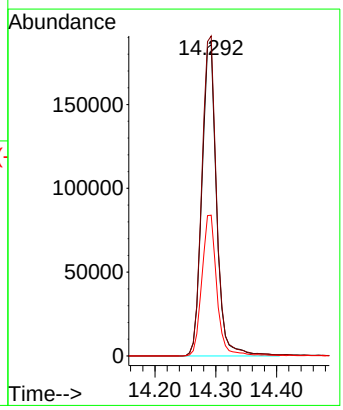


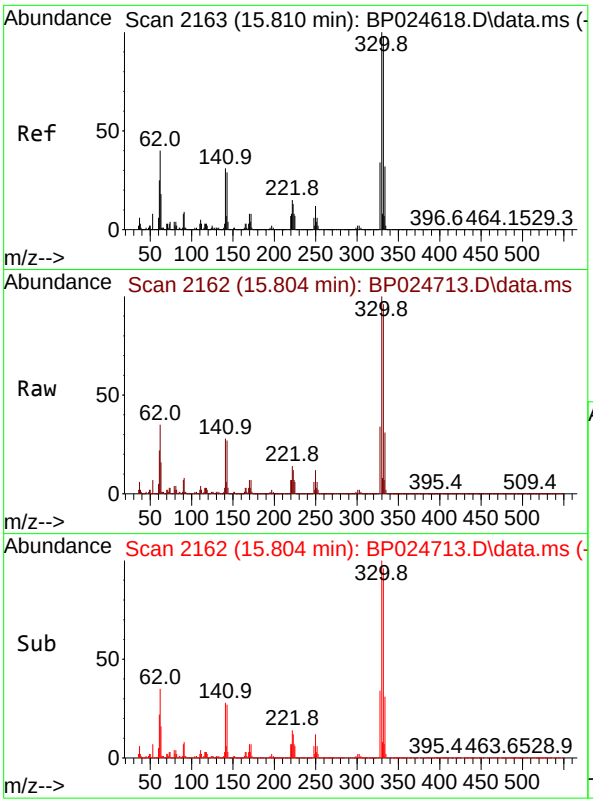




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.292 min Scan# 1905
Delta R.T. -0.012 min
Lab File: BP024713.D
Acq: 20 May 2025 18:40

Tgt Ion:164 Resp: 312017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.8 | 81.8 | 122.6 |
| 160 | 45.2 | 36.3 | 54.5 |



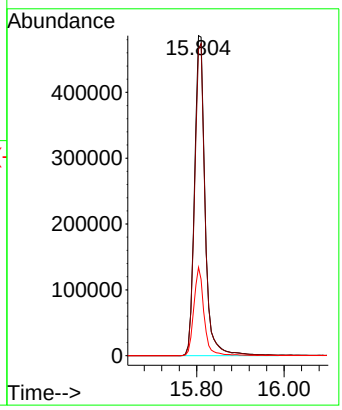


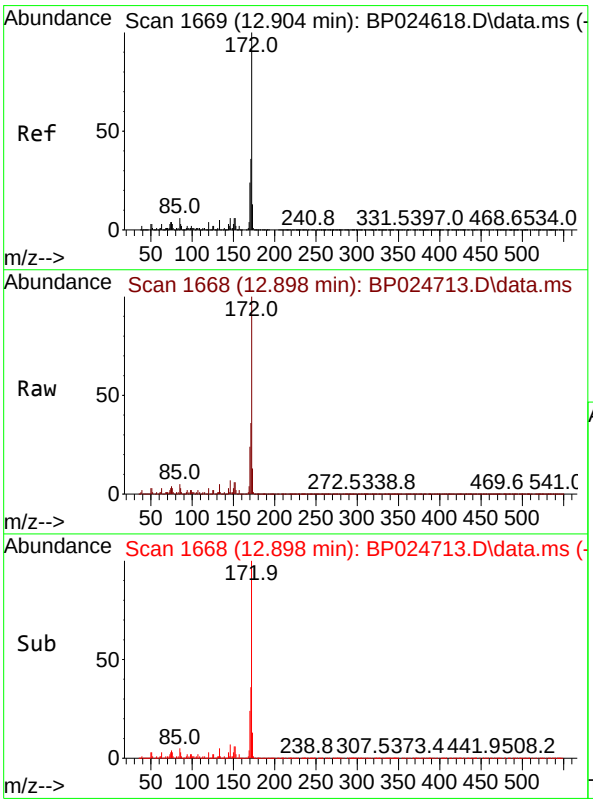

#42
2,4,6-Tribromophenol
Concen: 154.613 ng
RT: 15.804 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024713.D
Acq: 20 May 2025 18:40

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-70-20250514

Tgt Ion:330 Resp: 817839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 78.2 | 117.4 |
| 141 | 26.8 | 24.3 | 36.5 |

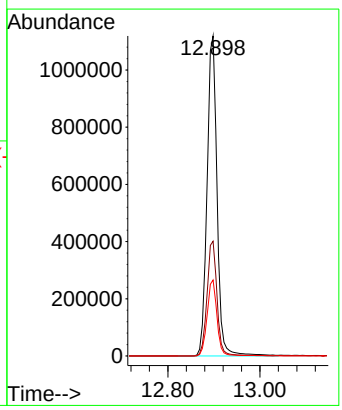


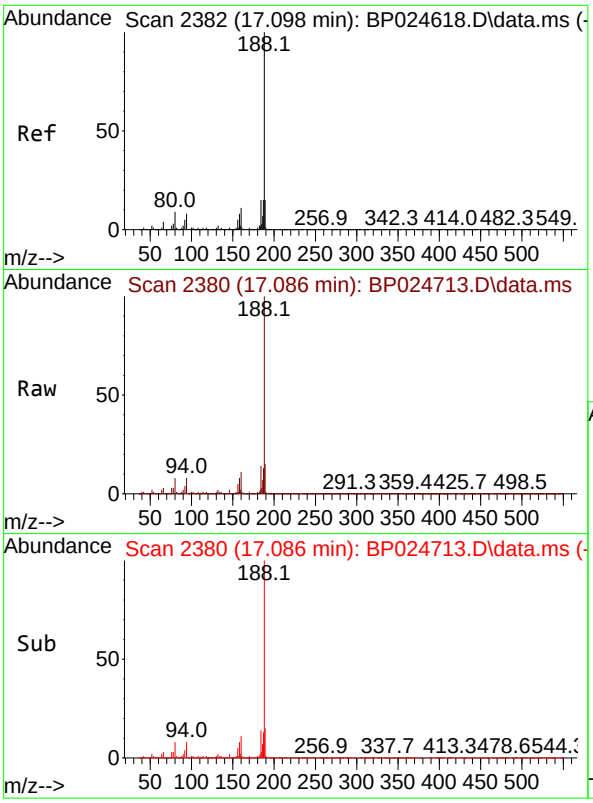




#45
2-Fluorobiphenyl
Concen: 71.380 ng
RT: 12.898 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BP024713.D
Acq: 20 May 2025 18:40

Tgt Ion:172 Resp: 1699983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.9 | 28.8 | 43.2 |
| 170 | 23.8 | 18.8 | 28.2 |



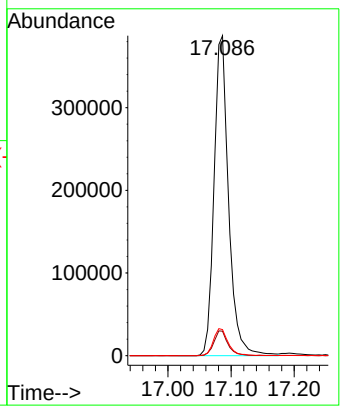


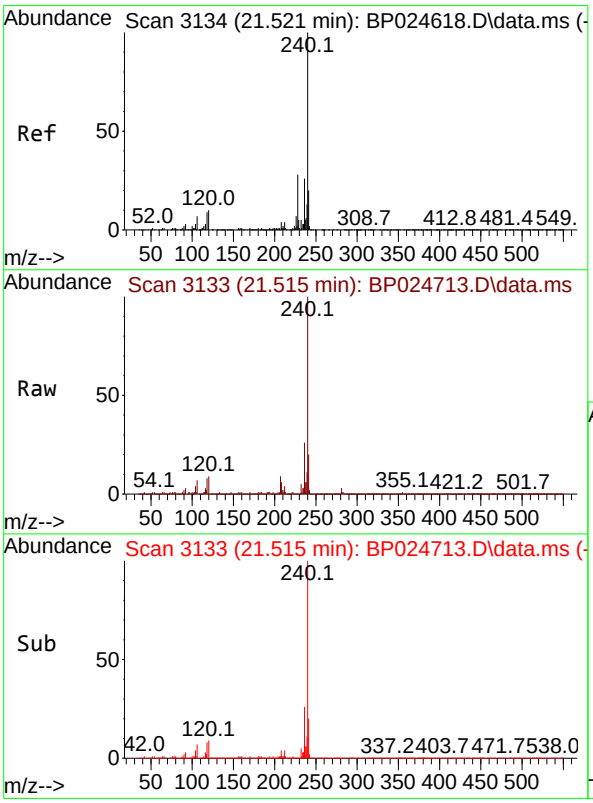

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024713.D
Acq: 20 May 2025 18:40

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-70-20250514

Tgt Ion:188 Resp: 617202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.7 | 6.5 | 9.7 |
| 80 | 8.1 | 7.3 | 10.9 |

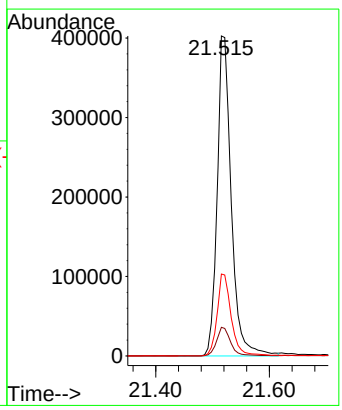


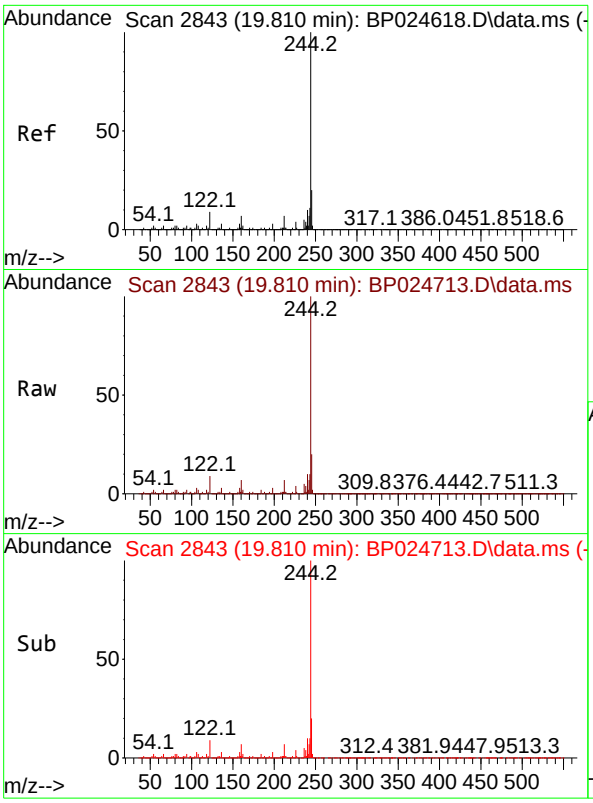




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.515 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024713.D
Acq: 20 May 2025 18:40

Tgt Ion:240 Resp: 694869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.0 | 7.8 | 11.6 |
| 236 | 25.6 | 20.6 | 31.0 |



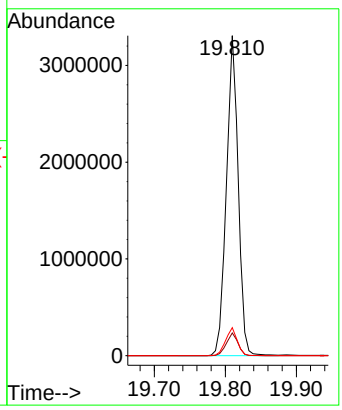


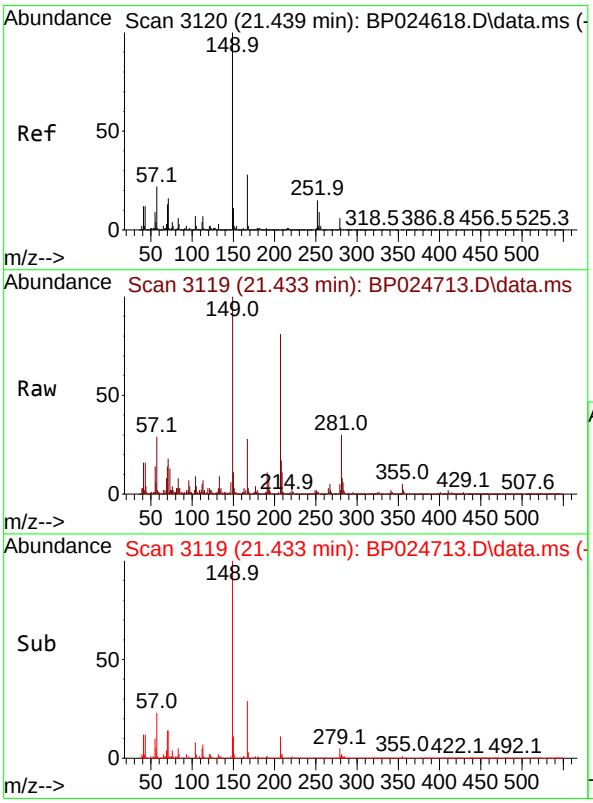

#79
Terphenyl-d14
Concen: 94.090 ng
RT: 19.810 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024713.D
Acq: 20 May 2025 18:40

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-70-20250514

Tgt Ion:244 Resp: 3812935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.5 | 8.3 |
| 122 | 8.8 | 7.4 | 11.0 |

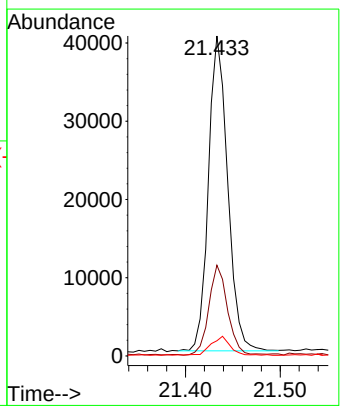


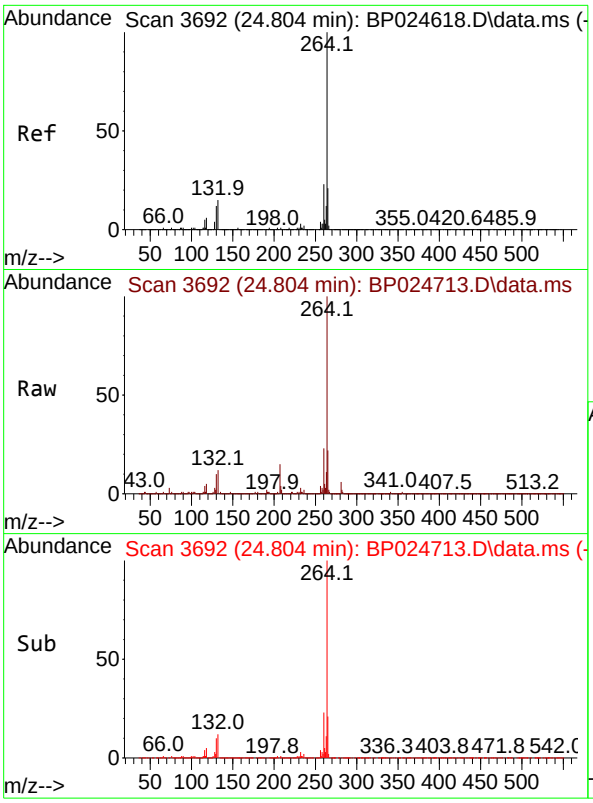




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.081 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BP024713.D
Acq: 20 May 2025 18:40

Tgt Ion:149 Resp: 56638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.4 | 22.1 | 33.1 |
| 279 | 4.8 | 4.6 | 6.8 |



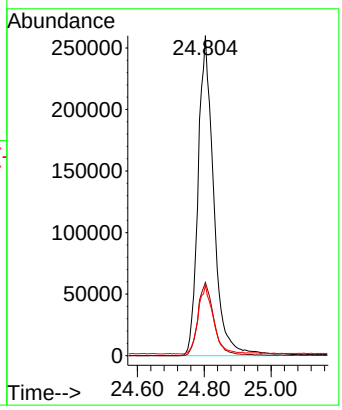



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.804 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024713.D
Acq: 20 May 2025 18:40

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-70-20250514

Tgt Ion:264 Resp: 845393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.9 | 18.7 | 28.1 |
| 265 | 22.0 | 17.0 | 25.6 |



Sample Results: **BP024713.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024713.D
Acq On : 20 May 2025 18:40
Operator : RC/JU
Sample : Q2064-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-70-20250514

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024713.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.287 | 368 | 374 | 398 | rBV | 722536 | 1172203 | 11.54% | 3.556% |
| 2 | 6.863 | 635 | 642 | 665 | rBV | 316329 | 684911 | 6.74% | 2.078% |
| 3 | 7.657 | 769 | 777 | 786 | rBV | 413566 | 681976 | 6.71% | 2.069% |
| 4 | 8.798 | 965 | 971 | 1000 | rVB | 1091632 | 1816199 | 17.87% | 5.509% |
| 5 | 10.428 | 1240 | 1248 | 1262 | rBV | 503785 | 906495 | 8.92% | 2.750% |
| 6 | 12.898 | 1659 | 1668 | 1691 | rBV | 3240723 | 4966333 | 48.87% | 15.065% |
| 7 | 14.292 | 1895 | 1905 | 1923 | rBV | 780234 | 1334508 | 13.13% | 4.048% |
| 8 | 15.675 | 2133 | 2140 | 2154 | rBV | 181505 | 276973 | 2.73% | 0.840% |
| 9 | 15.804 | 2155 | 2162 | 2186 | rBV | 3162261 | 5284742 | 52.00% | 16.031% |
| 10 | 17.086 | 2373 | 2380 | 2394 | rBV | 963838 | 1555580 | 15.31% | 4.719% |
| 11 | 18.022 | 2534 | 2539 | 2547 | rBV2 | 101856 | 185470 | 1.83% | 0.563% |
| 12 | 19.810 | 2837 | 2843 | 2854 | rBV | 8767874 | 10162000 | 100.00% | 30.826% |
| 13 | 21.433 | 3116 | 3119 | 3125 | rVB | 119597 | 158624 | 1.56% | 0.481% |
| 14 | 21.515 | 3128 | 3133 | 3148 | rVV | 1065010 | 1812100 | 17.83% | 5.497% |
| 15 | 24.804 | 3683 | 3692 | 3711 | rVB | 635478 | 1967357 | 19.36% | 5.968% |

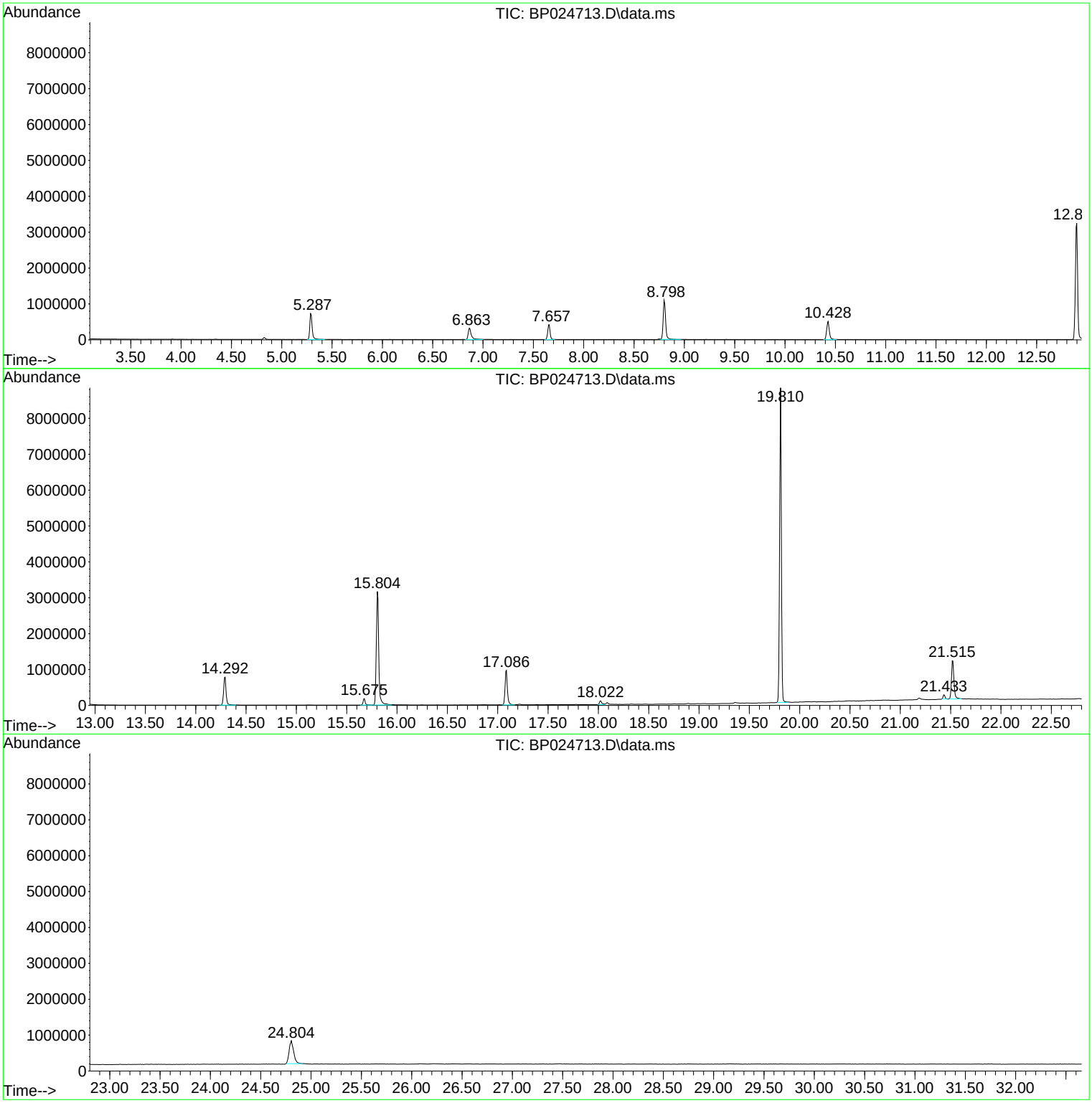
Sum of corrected areas: 32965471

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024713.D
Acq On : 20 May 2025 18:40
Operator : RC/JU
Sample : Q2064-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-70-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024713.D
Acq On : 20 May 2025 18:40
Operator : RC/JU
Sample : Q2064-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-70-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

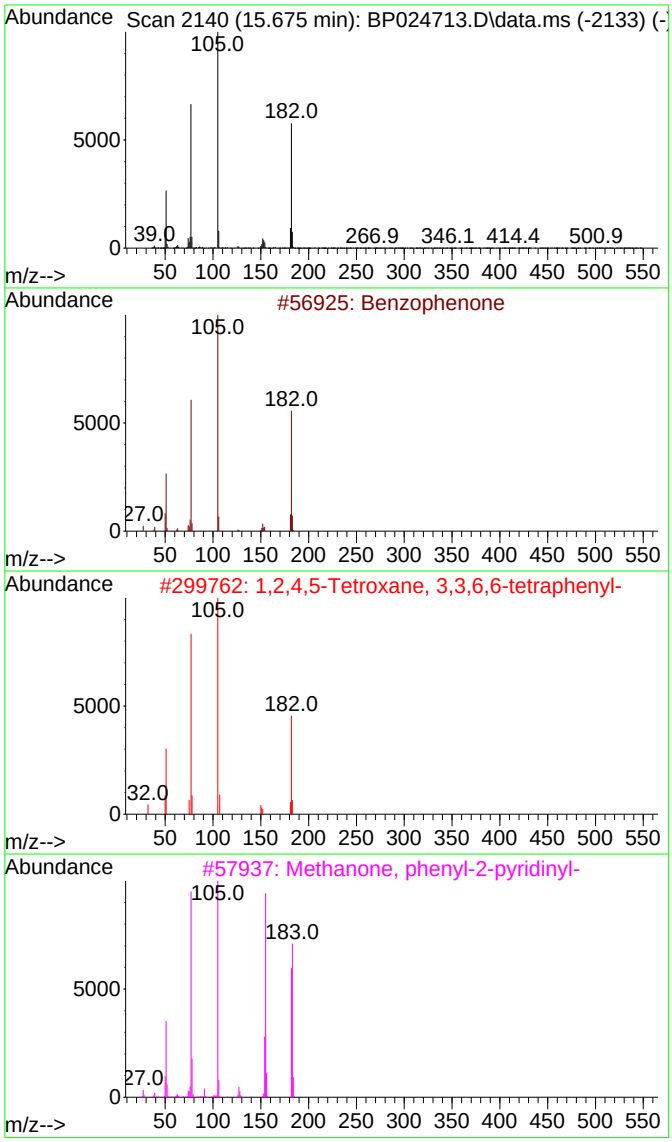
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

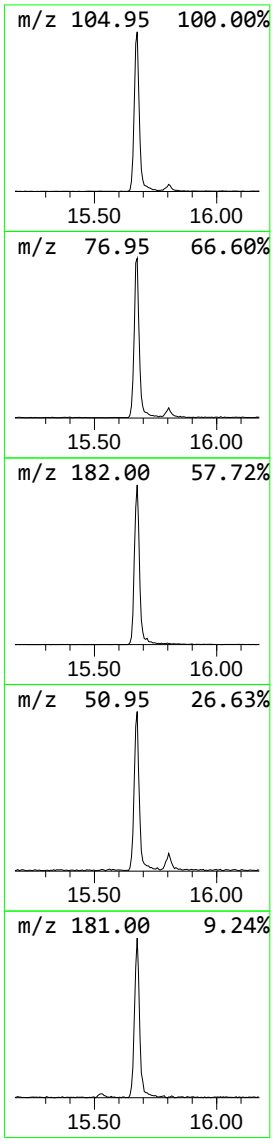
**********

Peak Number 1 Benzophenone Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.675 | 4.15 ng | 276973 | Acenaphthene-d10 | 14.292 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 96 |
| 2 | 1,2,4,5-Tetroxane, 3,3,6,6-tetra... | 396 | C26H20O4 | 016204-36-7 | 64 |
| 3 | Methanone, phenyl-2-pyridinyl- | 183 | C12H9NO | 000091-02-1 | 56 |
| 4 | Azobenzene | 182 | C12H10N2 | 000103-33-3 | 42 |
| 5 | Benzenamine, N-(3-pyridinylmethy... | 182 | C12H10N2 | 029722-97-2 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024713.D
Acq On : 20 May 2025 18:40
Operator : RC/JU
Sample : Q2064-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-70-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

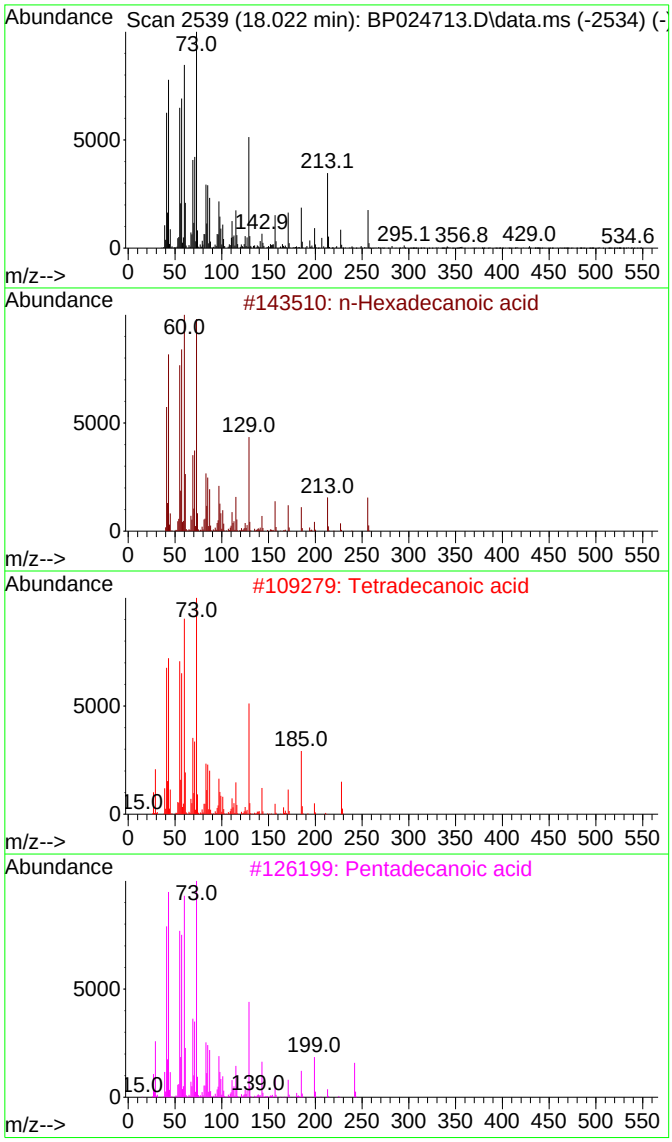
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

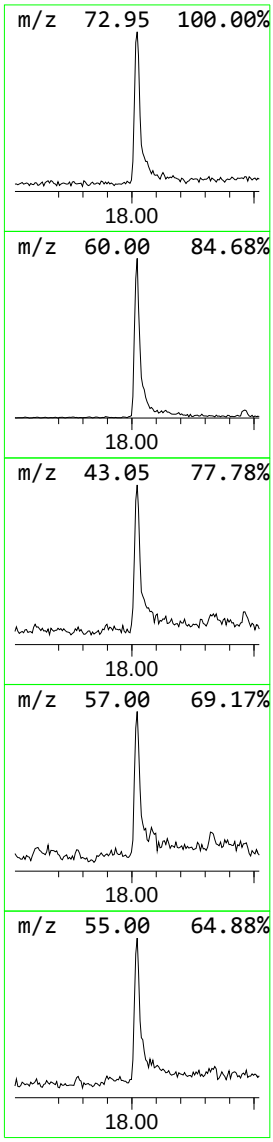
**********

Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.022 | 2.38 ng | 185470 | Phenanthrene-d10 | 17.086 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 93 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 90 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 74 |
| 5 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 74 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024713.D
Acq On : 20 May 2025 18:40
Operator : RC/JU
Sample : Q2064-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-70-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Benzophenone | 15.675 | 4.2 | ng | 276973 | 3 | 14.292 | 1334510 | 20.0 |
| n-Hexadecanoic ... | 18.022 | 2.4 | ng | 185470 | 4 | 17.086 | 1555580 | 20.0 |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 05/14/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 05/16/25 |
| Client Sample ID: | RW8-SP100-90-20250514 | SDG No.: | Q2064 |
| Lab Sample ID: | Q2064-05 | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024714.D | 1 | 05/19/25 08:42 | 05/20/25 19:21 | PB168048 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 100-52-7 | Benzaldehyde | 8.00 | U | 3.90 | 8.00 | 10.0 | ug/L |
| 108-95-2 | Phenol | 4.00 | U | 0.91 | 4.00 | 5.00 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 4.00 | U | 0.81 | 4.00 | 5.00 | ug/L |
| 95-57-8 | 2-Chlorophenol | 4.00 | U | 0.58 | 4.00 | 5.00 | ug/L |
| 95-48-7 | 2-Methylphenol | 4.00 | U | 1.10 | 4.00 | 5.00 | ug/L |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 4.00 | U | 1.30 | 4.00 | 5.00 | ug/L |
| 98-86-2 | Acetophenone | 4.00 | U | 0.74 | 4.00 | 5.00 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 8.00 | U | 1.10 | 8.00 | 10.0 | ug/L |
| 621-64-7 | n-Nitroso-di-n-propylamine | 2.50 | U | 1.40 | 2.50 | 2.50 | ug/L |
| 67-72-1 | Hexachloroethane | 4.00 | U | 0.65 | 4.00 | 5.00 | ug/L |
| 98-95-3 | Nitrobenzene | 4.00 | U | 0.76 | 4.00 | 5.00 | ug/L |
| 78-59-1 | Isophorone | 4.00 | U | 0.75 | 4.00 | 5.00 | ug/L |
| 88-75-5 | 2-Nitrophenol | 4.00 | U | 1.80 | 4.00 | 5.00 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 4.00 | U | 1.90 | 4.00 | 5.00 | ug/L |
| 111-91-1 | bis(2-Chloroethoxy)methane | 4.00 | U | 0.68 | 4.00 | 5.00 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | 4.00 | U | 0.52 | 4.00 | 5.00 | ug/L |
| 91-20-3 | Naphthalene | 4.00 | U | 0.50 | 4.00 | 5.00 | ug/L |
| 106-47-8 | 4-Chloroaniline | 4.00 | U | 0.84 | 4.00 | 5.00 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 4.00 | U | 0.54 | 4.00 | 5.00 | ug/L |
| 105-60-2 | Caprolactam | 8.00 | U | 1.10 | 8.00 | 10.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | 4.00 | U | 0.59 | 4.00 | 5.00 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 4.00 | U | 0.56 | 4.00 | 5.00 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | 8.00 | U | 3.60 | 8.00 | 10.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 4.00 | U | 0.51 | 4.00 | 5.00 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 4.00 | U | 0.62 | 4.00 | 5.00 | ug/L |
| 92-52-4 | 1,1-Biphenyl | 4.00 | U | 0.53 | 4.00 | 5.00 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | 4.00 | U | 0.61 | 4.00 | 5.00 | ug/L |
| 88-74-4 | 2-Nitroaniline | 4.00 | U | 1.30 | 4.00 | 5.00 | ug/L |
| 131-11-3 | Dimethylphthalate | 4.00 | U | 0.61 | 4.00 | 5.00 | ug/L |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 05/14/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 05/16/25 |
| Client Sample ID: | RW8-SP100-90-20250514 | SDG No.: | Q2064 |
| Lab Sample ID: | Q2064-05 | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024714.D | 1 | 05/19/25 08:42 | 05/20/25 19:21 | PB168048 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 4.00 | U | 0.75 | 4.00 | 5.00 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | 4.00 | U | 0.92 | 4.00 | 5.00 | ug/L |
| 99-09-2 | 3-Nitroaniline | 4.00 | U | 1.10 | 4.00 | 5.00 | ug/L |
| 83-32-9 | Acenaphthene | 4.00 | U | 0.55 | 4.00 | 5.00 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | 8.00 | U | 6.00 | 8.00 | 10.0 | ug/L |
| 100-02-7 | 4-Nitrophenol | 8.00 | U | 2.40 | 8.00 | 10.0 | ug/L |
| 132-64-9 | Dibenzofuran | 4.00 | U | 0.61 | 4.00 | 5.00 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 4.00 | U | 1.20 | 4.00 | 5.00 | ug/L |
| 84-66-2 | Diethylphthalate | 4.00 | U | 0.69 | 4.00 | 5.00 | ug/L |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 4.00 | U | 0.68 | 4.00 | 5.00 | ug/L |
| 86-73-7 | Fluorene | 4.00 | U | 0.63 | 4.00 | 5.00 | ug/L |
| 100-01-6 | 4-Nitroaniline | 4.00 | U | 1.50 | 4.00 | 5.00 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 8.00 | U | 2.90 | 8.00 | 10.0 | ug/L |
| 86-30-6 | n-Nitrosodiphenylamine | 4.00 | U | 0.58 | 4.00 | 5.00 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 4.00 | U | 0.40 | 4.00 | 5.00 | ug/L |
| 118-74-1 | Hexachlorobenzene | 4.00 | U | 0.52 | 4.00 | 5.00 | ug/L |
| 1912-24-9 | Atrazine | 4.00 | U | 1.00 | 4.00 | 5.00 | ug/L |
| 87-86-5 | Pentachlorophenol | 8.00 | U | 1.60 | 8.00 | 10.0 | ug/L |
| 85-01-8 | Phenanthrene | 4.00 | U | 0.50 | 4.00 | 5.00 | ug/L |
| 120-12-7 | Anthracene | 4.00 | U | 0.61 | 4.00 | 5.00 | ug/L |
| 86-74-8 | Carbazole | 4.00 | U | 0.72 | 4.00 | 5.00 | ug/L |
| 84-74-2 | Di-n-butylphthalate | 4.00 | U | 1.20 | 4.00 | 5.00 | ug/L |
| 206-44-0 | Fluoranthene | 4.00 | U | 0.82 | 4.00 | 5.00 | ug/L |
| 129-00-0 | Pyrene | 4.00 | U | 0.50 | 4.00 | 5.00 | ug/L |
| 85-68-7 | Butylbenzylphthalate | 4.00 | U | 1.90 | 4.00 | 5.00 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | 8.00 | U | 0.93 | 8.00 | 10.0 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 4.00 | U | 0.45 | 4.00 | 5.00 | ug/L |
| 218-01-9 | Chrysene | 4.00 | U | 0.44 | 4.00 | 5.00 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 4.00 | U | 1.60 | 4.00 | 5.00 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | 8.00 | U | 2.30 | 8.00 | 10.0 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 4.00 | U | 0.49 | 4.00 | 5.00 | ug/L |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 05/14/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 05/16/25 |
| Client Sample ID: | RW8-SP100-90-20250514 | SDG No.: | Q2064 |
| Lab Sample ID: | Q2064-05 | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024714.D | 1 | 05/19/25 08:42 | 05/20/25 19:21 | PB168048 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 4.00 | U | 0.48 | 4.00 | 5.00 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 4.00 | U | 0.55 | 4.00 | 5.00 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 4.00 | U | 0.59 | 4.00 | 5.00 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 4.00 | U | 0.67 | 4.00 | 5.00 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 4.00 | U | 0.69 | 4.00 | 5.00 | ug/L |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 4.00 | U | 0.52 | 4.00 | 5.00 | ug/L |
| 123-91-1 | 1,4-Dioxane | 4.00 | UQ | 1.00 | 4.00 | 5.00 | ug/L |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 4.00 | U | 0.72 | 4.00 | 5.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 52.3 | | 19 - 119 | | 35% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 28.7 | | 10 - 130 | | 19% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 70.0 | | 44 - 120 | | 70% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 70.3 | | 44 - 119 | | 70% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 161 | | 43 - 140 | | 108% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 97.0 | | 50 - 134 | | 97% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 105000 | 7.657 | | | | |
| 1146-65-2 | Naphthalene-d8 | 406000 | 10.428 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 295000 | 14.287 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 589000 | 17.086 | | | | |
| 1719-03-5 | Chrysene-d12 | 654000 | 21.516 | | | | |
| 1520-96-3 | Perylene-d12 | 777000 | 24.804 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 000149-57-5 | Hexanoic acid, 2-ethyl- | 24.7 | J | | | 9.01 | ug/L |
| 65-85-0 | Benzoic acid | 14.6 | J | | | 9.79 | ug/L |
| 007779-31-9 | 2-Propenoic acid, 2-methyl-, 3,3,5 | 3.30 | J | | | 12.5 | ug/L |
| 000098-73-7 | Benzoic acid, p-tert-butyl- | 6.90 | J | | | 14.1 | ug/L |
| 000119-61-9 | Benzophenone | 3.20 | J | | | 15.7 | ug/L |
| 000057-10-3 | n-Hexadecanoic acid | 2.40 | J | | | 18.0 | ug/L |
| 000629-97-0 | Docosane | 4.00 | J | | | 22.5 | ug/L |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 05/14/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 05/16/25 |
| Client Sample ID: | RW8-SP100-90-20250514 | SDG No.: | Q2064 |
| Lab Sample ID: | Q2064-05 | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024714.D | 1 | 05/19/25 08:42 | 05/20/25 19:21 | PB168048 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | 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_P\Data\BP052025\
Data File : BP024714.D
Acq On : 20 May 2025 19:21
Operator : RC/JU
Sample : Q2064-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 21 12:10:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.657 | 152 | 105097 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.428 | 136 | 405523 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.287 | 164 | 295391 | 20.000 | ng | -0.02 |
| 64) Phenanthrene-d10 | 17.086 | 188 | 588501 | 20.000 | ng | -0.01 |
| 76) Chrysene-d12 | 21.516 | 240 | 654045 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.804 | 264 | 776769 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.293 | 112 | 321274 | 52.285 | ng | 0.00 |
| 7) Phenol-d6 | 6.863 | 99 | 225266 | 28.724 | ng | 0.01 |
| 23) Nitrobenzene-d5 | 8.804 | 82 | 562144 | 70.041 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.810 | 330 | 807969 | 161.344 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 12.898 | 172 | 1585933 | 70.340 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.810 | 244 | 3701032 | 97.029 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 32) Benzoic acid | 9.793 | 122 | 35905m | 14.605 | ng | |

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

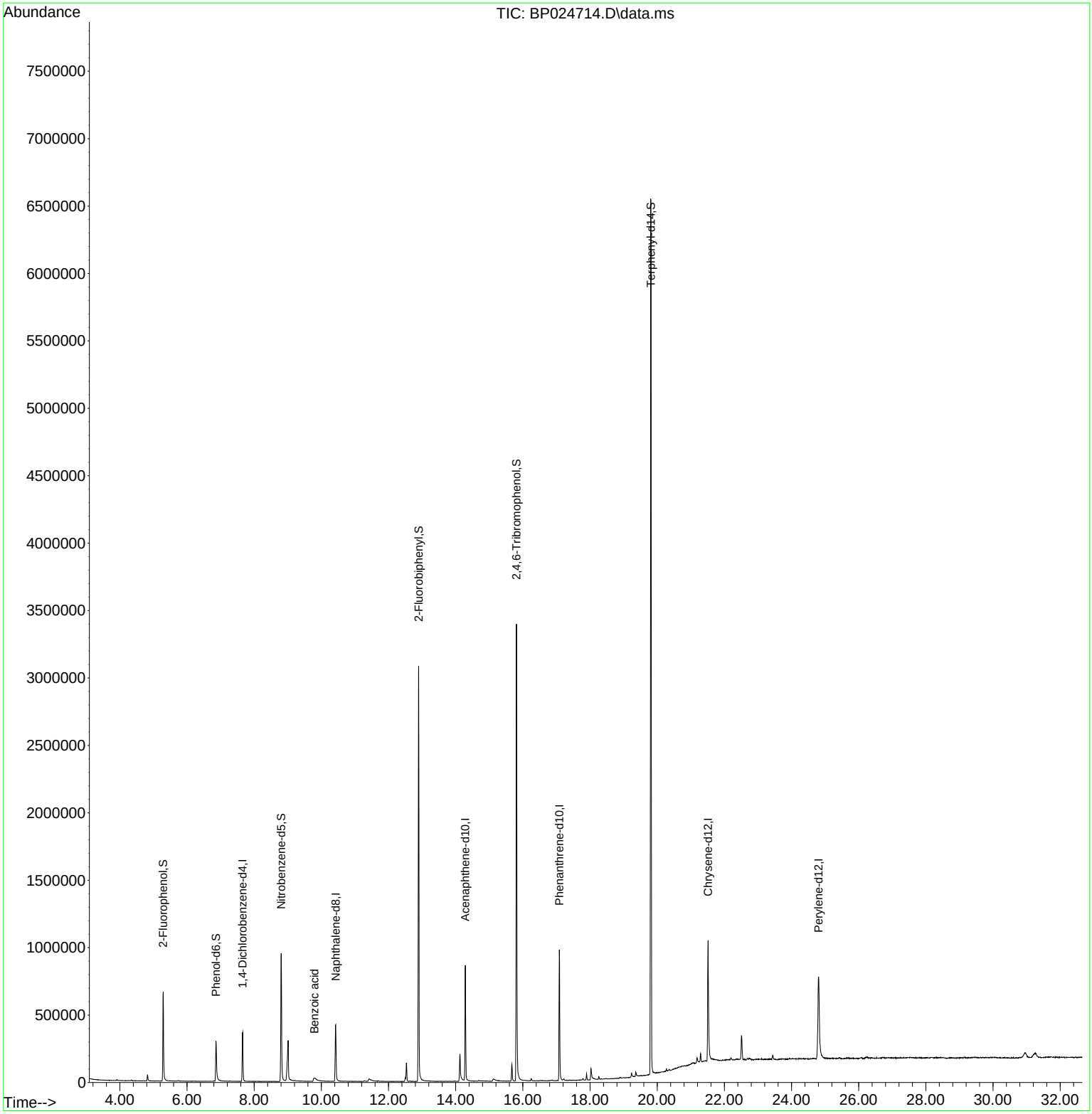
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024714.D
Acq On : 20 May 2025 19:21
Operator : RC/JU
Sample : Q2064-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

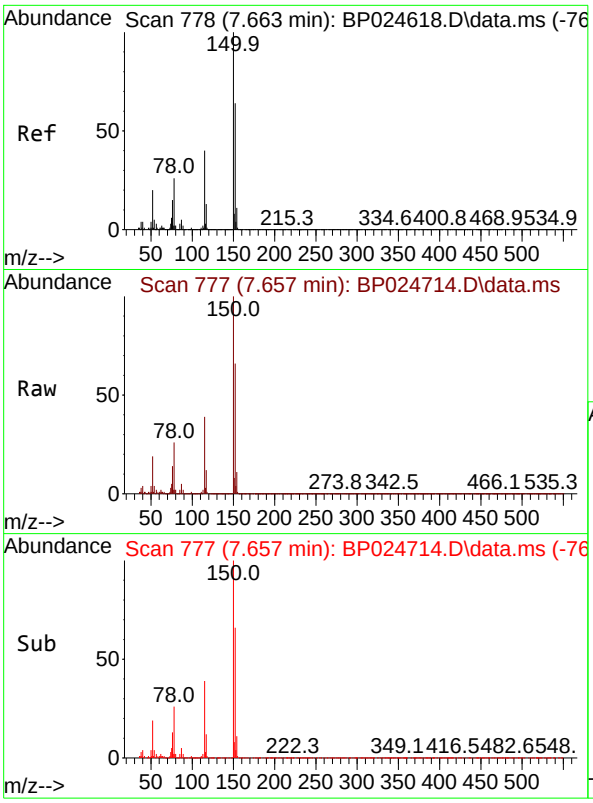
Quant Time: May 21 12:10:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025






#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

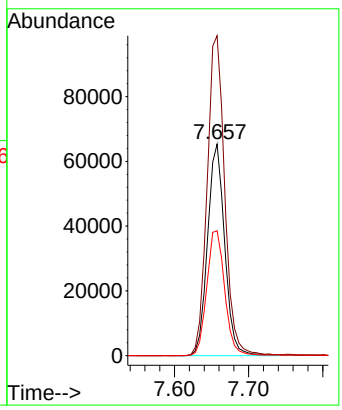
Tgt Ion:152 Resp: 10509

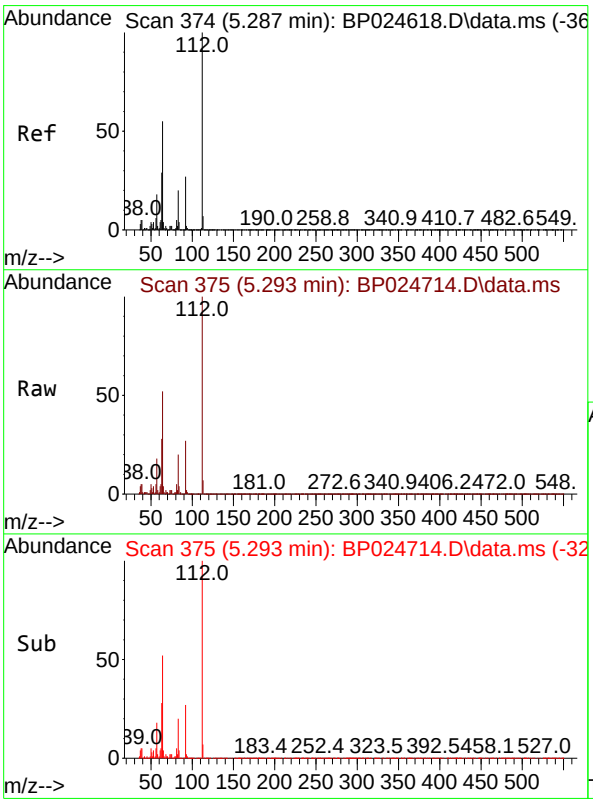
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 151.2 | 125.9 | 188.9 |
| 115 | 59.0 | 50.1 | 75.1 |

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

**Manual Integrations**
**APPROVED**

Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

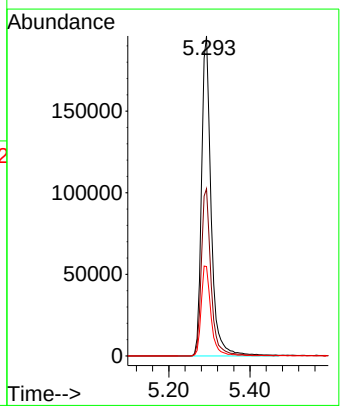


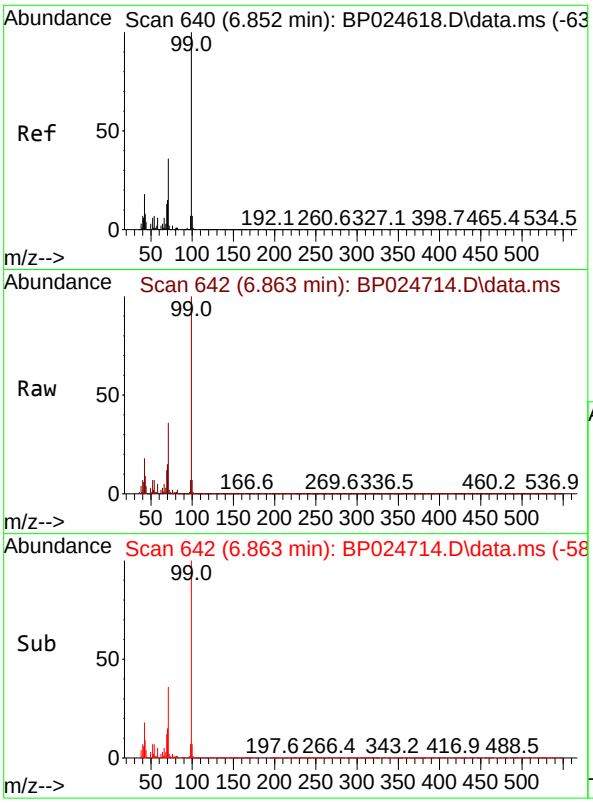




#5
2-Fluorophenol
Concen: 52.285 ng
RT: 5.293 min Scan# 375
Delta R.T. 0.006 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:112 Resp: 321274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.3 | 44.1 | 66.1 |
| 63 | 28.0 | 23.5 | 35.3 |

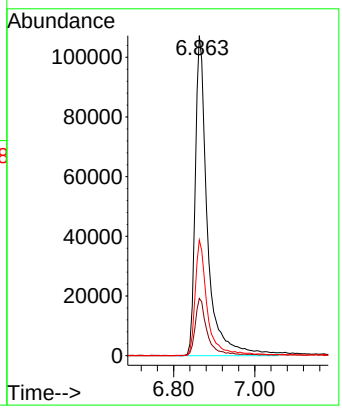





#7
Phenol-d6
Concen: 28.724 ng
RT: 6.863 min Scan# 64
Delta R.T. 0.012 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion: 99 Resp: 22526

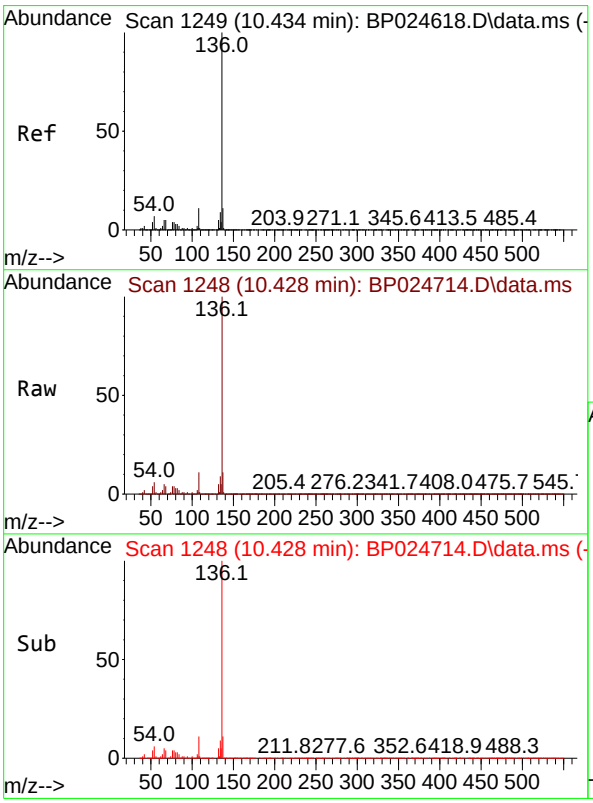
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.9 | 14.4 | 21.6 |
| 71 | 36.1 | 29.2 | 43.8 |




**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

**Manual Integrations APPROVED**

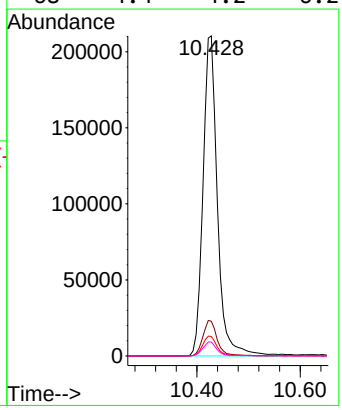
Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

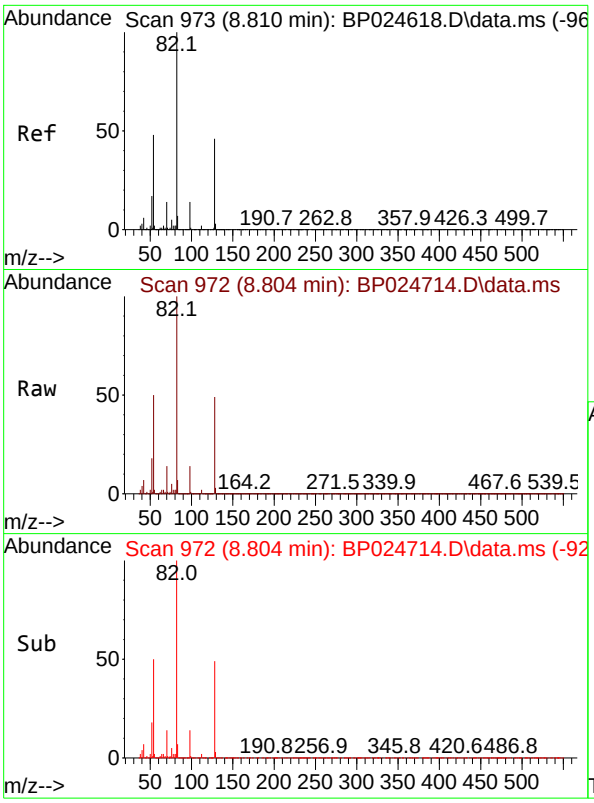



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:136 Resp: 405523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.8 | 13.2 |
| 54 | 6.1 | 5.5 | 8.3 |
| 68 | 4.4 | 4.2 | 6.2 |

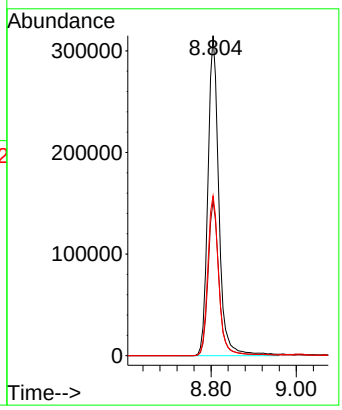





#23
Nitrobenzene-d5
Concen: 70.041 ng
RT: 8.804 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion: 82 Resp: 56214

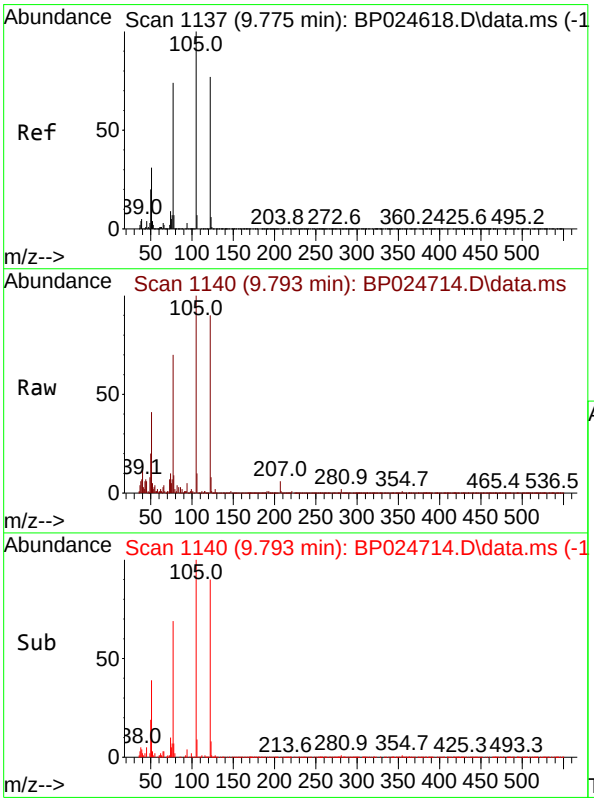
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 48.5 | 37.0 | 55.4 |
| 54 | 50.0 | 38.7 | 58.1 |




**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

**Manual Integrations APPROVED**

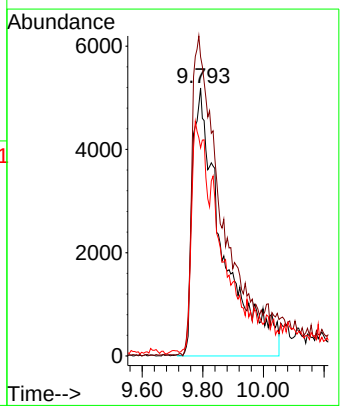
Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

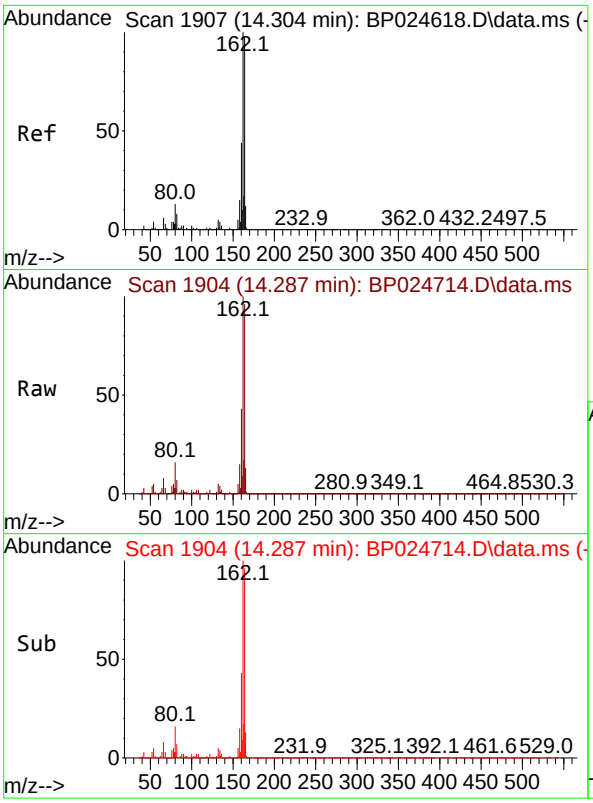



#32
Benzoic acid
Concen: 14.605 ng m
RT: 9.793 min Scan# 1140
Delta R.T. 0.018 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:122 Resp: 35905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 111.6 | 106.9 | 146.9 |
| 77 | 77.7 | 75.1 | 115.1 |

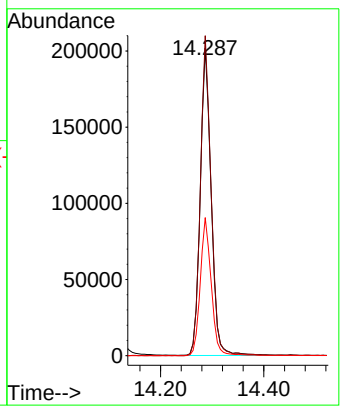





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:164 Resp: 29539

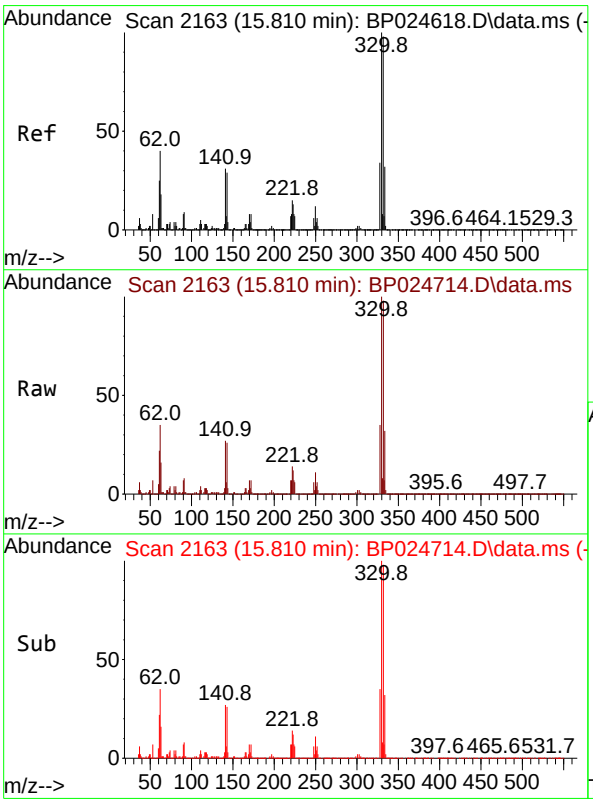
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.0 | 81.8 | 122.6 |
| 160 | 44.9 | 36.3 | 54.5 |




**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

**Manual Integrations APPROVED**

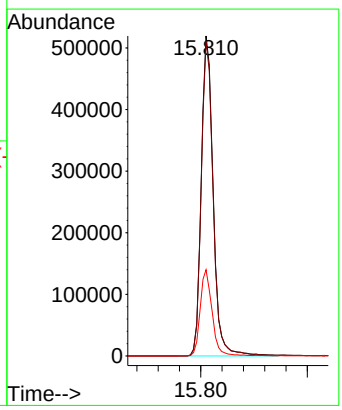
Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

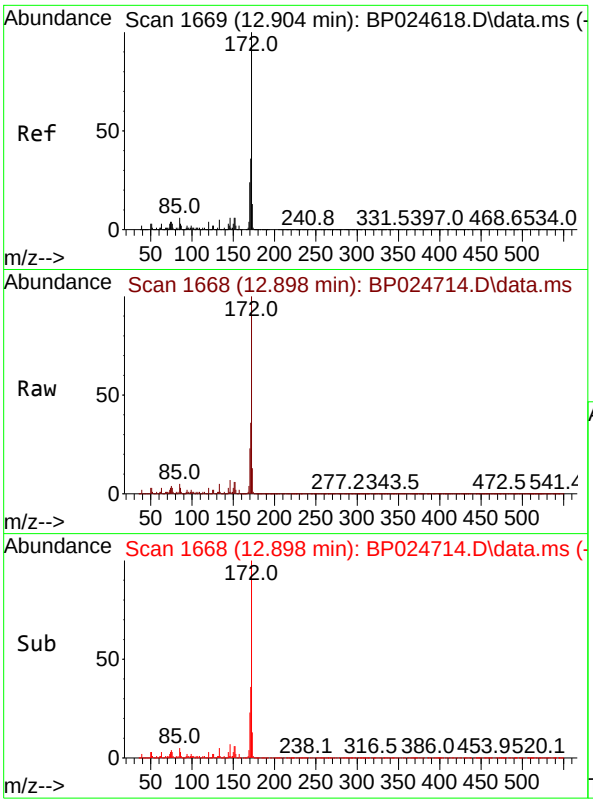



#42
2,4,6-Tribromophenol
Concen: 161.344 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.000 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:330 Resp: 807969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.8 | 78.2 | 117.4 |
| 141 | 26.9 | 24.3 | 36.5 |

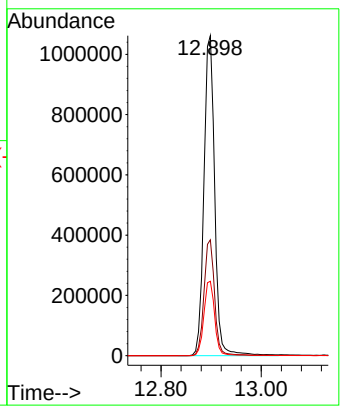





#45
2-Fluorobiphenyl
Concen: 70.340 ng
RT: 12.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:172 Resp: 158593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.2 | 28.8 | 43.2 |
| 170 | 23.2 | 18.8 | 28.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

**Manual Integrations APPROVED**

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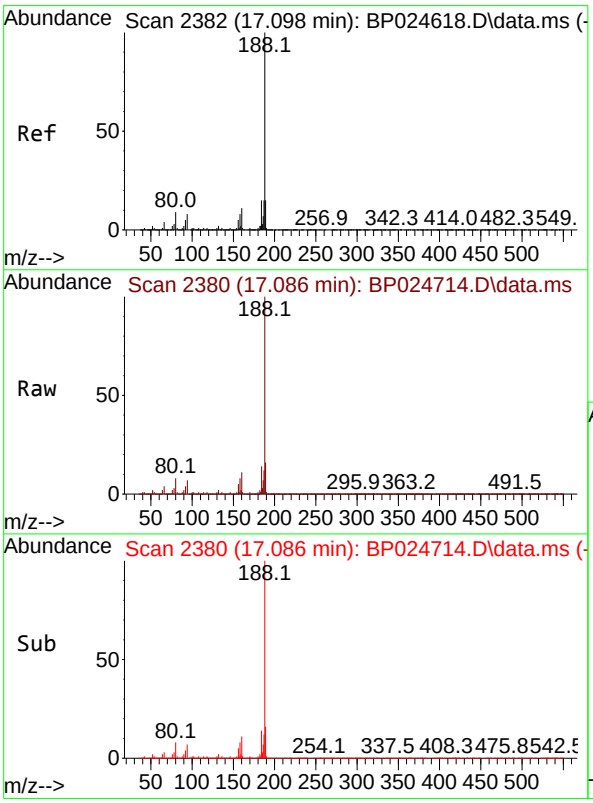
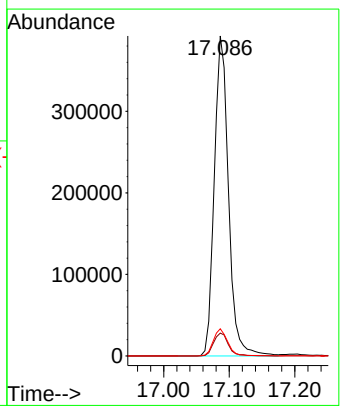
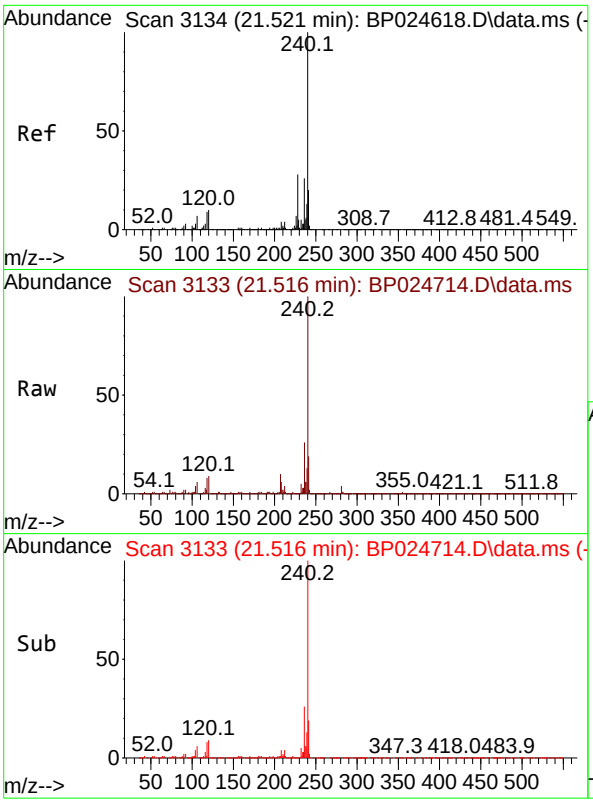



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.086 min Scan# 2380
Delta R.T. -0.012 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:188 Resp: 588501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.2 | 6.5 | 9.7 |
| 80 | 8.5 | 7.3 | 10.9 |

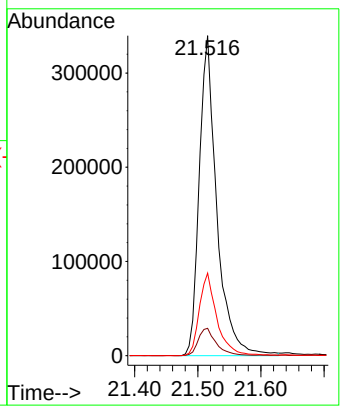





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:240 Resp: 65404

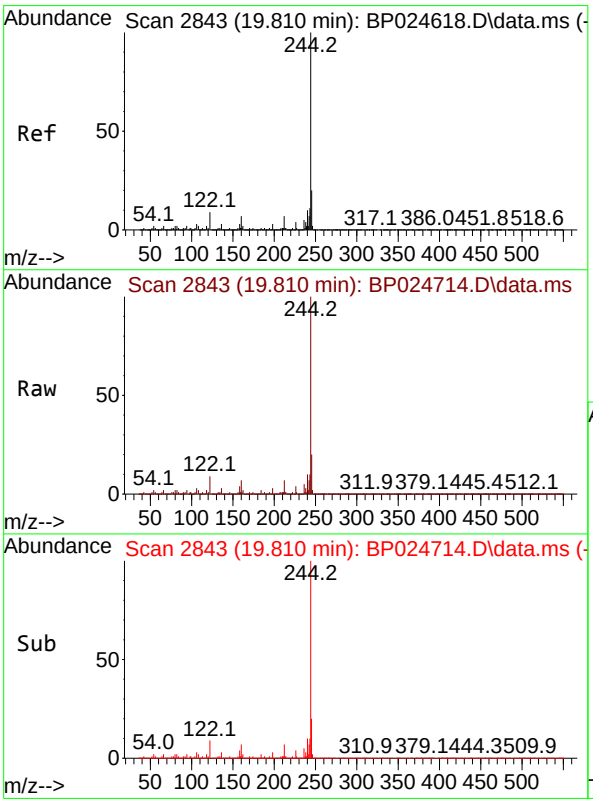
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.6 | 7.8 | 11.6 |
| 236 | 25.8 | 20.6 | 31.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

**Manual Integrations APPROVED**

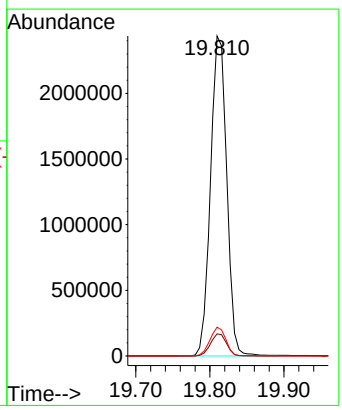
Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

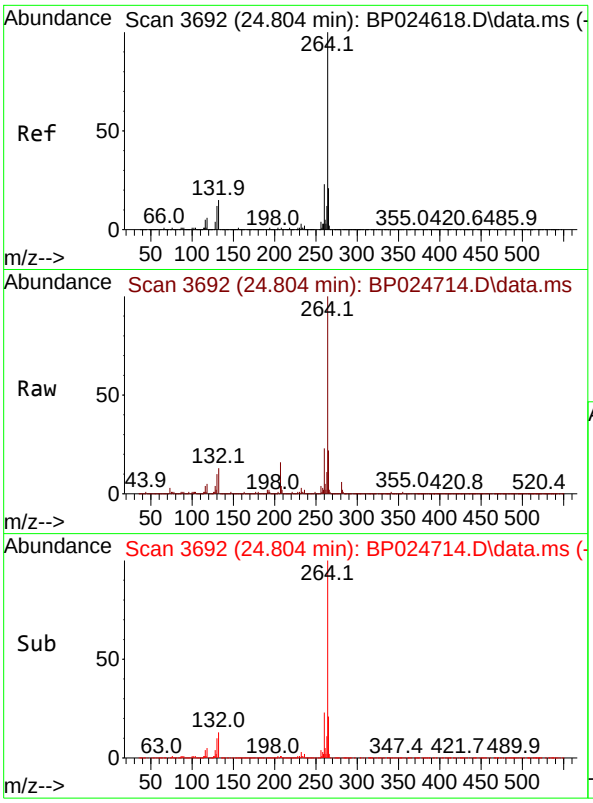



#79
Terphenyl-d14
Concen: 97.029 ng
RT: 19.810 min Scan# 2843
Delta R.T. -0.000 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:244 Resp: 3701032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.5 | 8.3 |
| 122 | 9.0 | 7.4 | 11.0 |

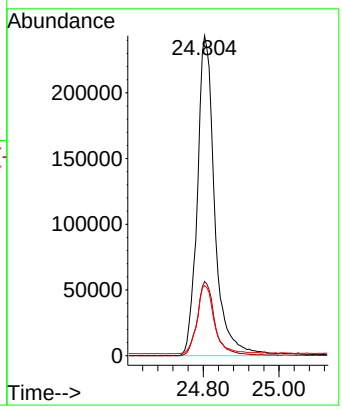





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.804 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:264 Resp: 776769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 18.7 | 28.1 |
| 265 | 21.9 | 17.0 | 25.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

Sample Results: **BP024714.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024714.D
Acq On : 20 May 2025 19:21
Operator : RC/JU
Sample : Q2064-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024714.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.293 | 368 | 375 | 392 | rBV | 661625 | 1090680 | 11.08% | 3.302% |
| 2 | 6.863 | 636 | 642 | 665 | rBV | 298151 | 624286 | 6.34% | 1.890% |
| 3 | 7.657 | 770 | 777 | 787 | rBV | 363278 | 603112 | 6.13% | 1.826% |
| 4 | 8.804 | 961 | 972 | 994 | rBV | 949301 | 1708368 | 17.36% | 5.172% |
| 5 | 9.010 | 994 | 1007 | 1019 | rBV | 298044 | 744630 | 7.57% | 2.254% |
| 6 | 10.428 | 1237 | 1248 | 1268 | rBV | 418614 | 815396 | 8.29% | 2.469% |
| 7 | 12.534 | 1602 | 1606 | 1614 | rVB | 136836 | 204018 | 2.07% | 0.618% |
| 8 | 12.898 | 1659 | 1668 | 1686 | rBV | 3078965 | 4623250 | 46.98% | 13.997% |
| 9 | 14.128 | 1869 | 1877 | 1889 | rBV | 202305 | 423562 | 4.30% | 1.282% |
| 10 | 14.287 | 1898 | 1904 | 1913 | rBV | 850300 | 1224480 | 12.44% | 3.707% |
| 11 | 15.675 | 2134 | 2140 | 2153 | rBV | 122727 | 196372 | 2.00% | 0.595% |
| 12 | 15.810 | 2156 | 2163 | 2184 | rBV | 3389178 | 5259124 | 53.44% | 15.922% |
| 13 | 17.086 | 2374 | 2380 | 2394 | rBV | 971634 | 1483661 | 15.08% | 4.492% |
| 14 | 18.027 | 2535 | 2540 | 2549 | rBV2 | 84208 | 178247 | 1.81% | 0.540% |
| 15 | 19.810 | 2837 | 2843 | 2855 | rBV | 6493538 | 9841657 | 100.00% | 29.796% |
| 16 | 21.516 | 3127 | 3133 | 3150 | rBV | 891959 | 1762809 | 17.91% | 5.337% |
| 17 | 22.510 | 3297 | 3302 | 3309 | rVB | 175638 | 349532 | 3.55% | 1.058% |
| 18 | 24.804 | 3683 | 3692 | 3716 | rVB | 598665 | 1896563 | 19.27% | 5.742% |

Sum of corrected areas: 33029747

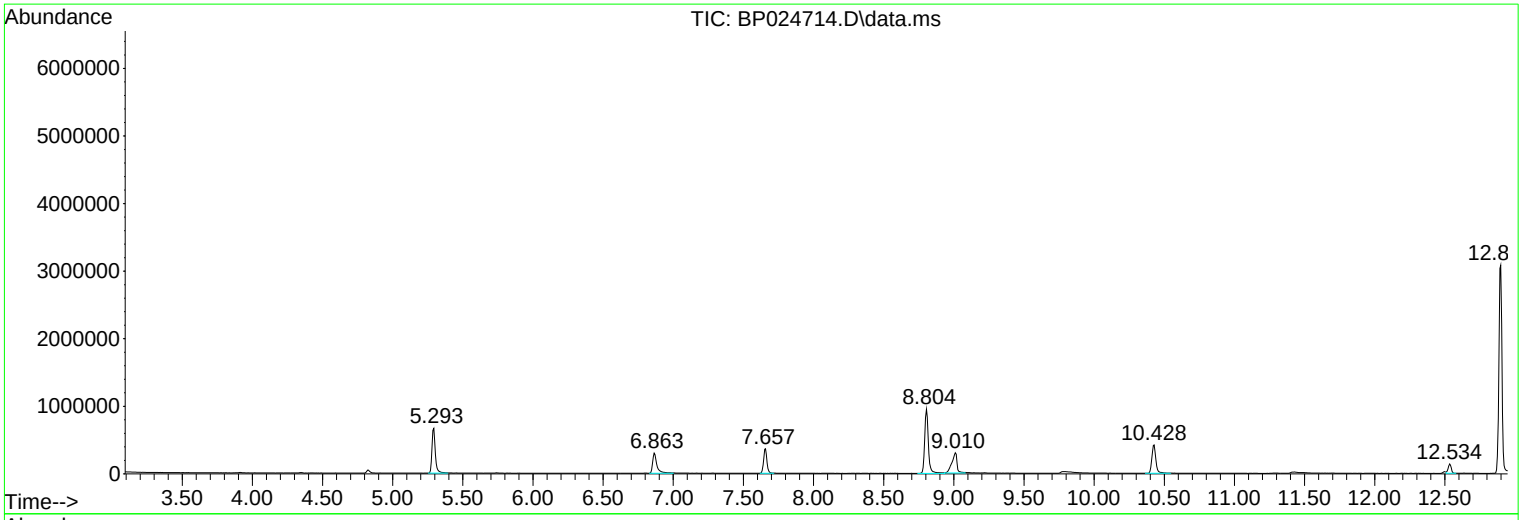
Sample Results: **BP024714.D**

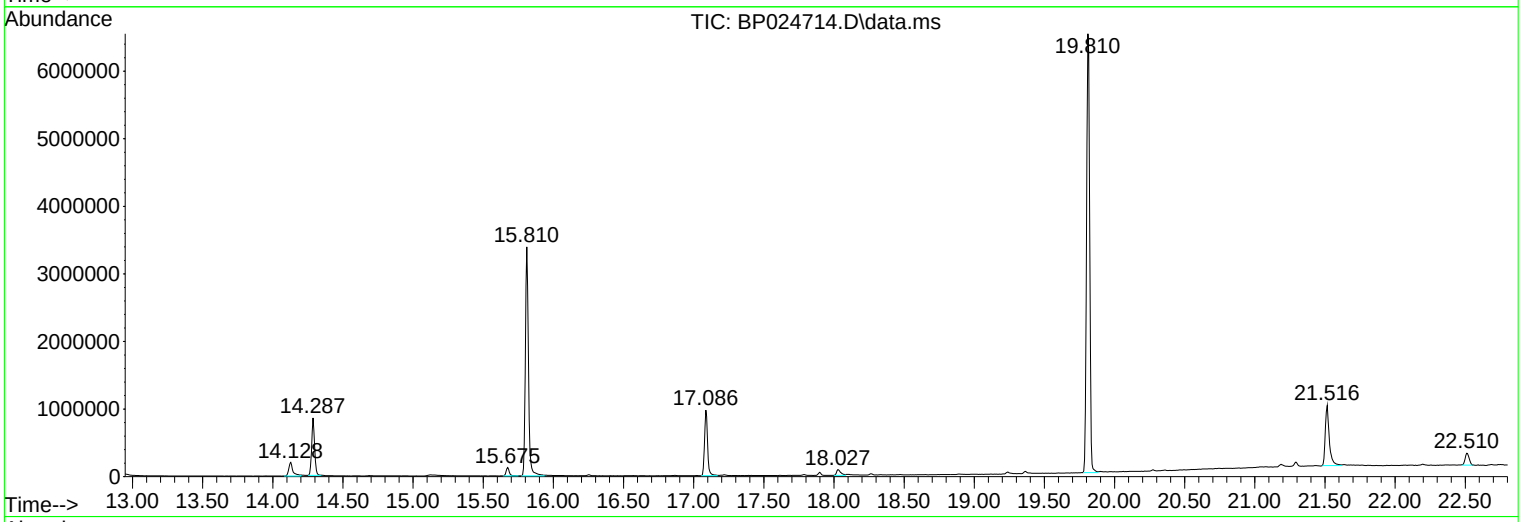
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024714.D
Acq On : 20 May 2025 19:21
Operator : RC/JU
Sample : Q2064-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

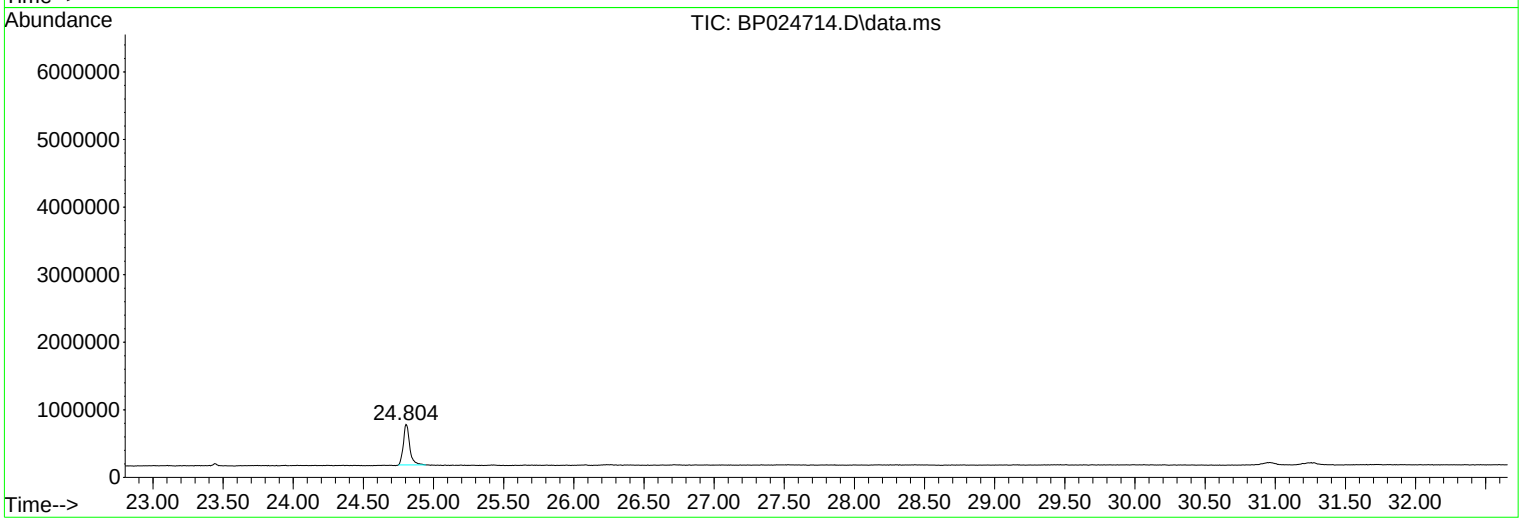
**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024714.D
Acq On : 20 May 2025 19:21
Operator : RC/JU
Sample : Q2064-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

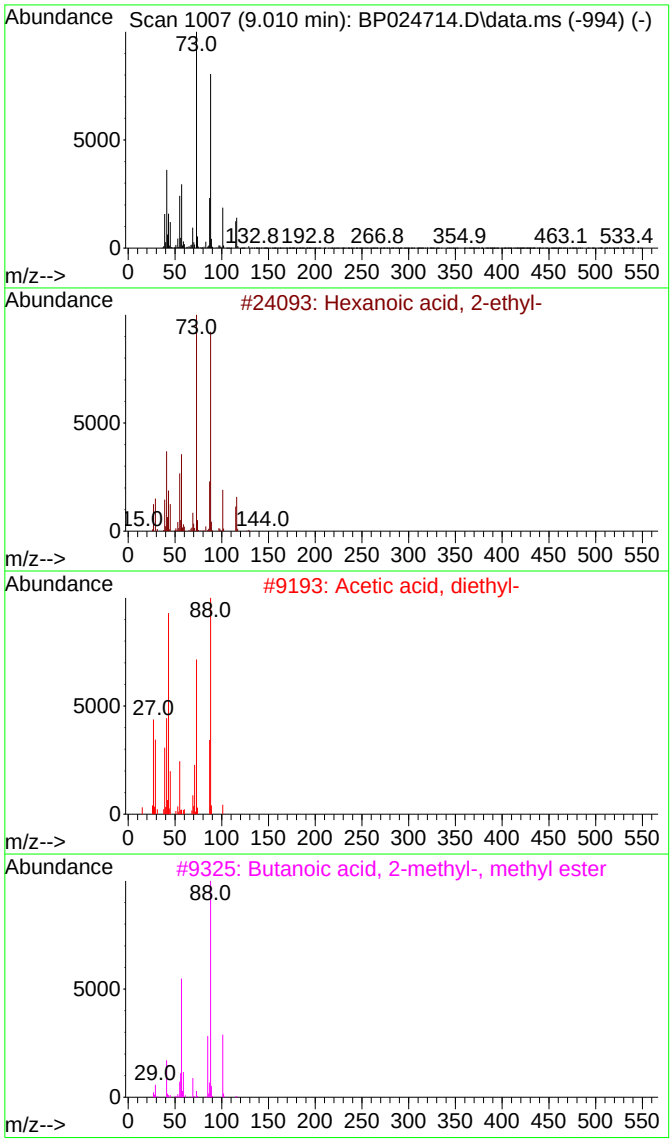
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

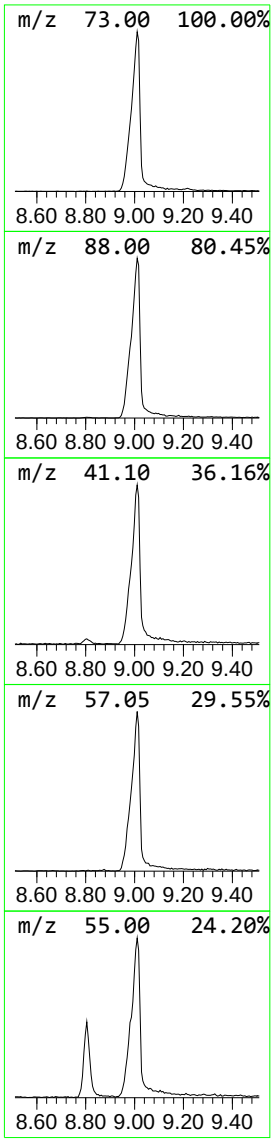
**********

Peak Number 1 Hexanoic acid, 2-ethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.010 | 24.69 ng | 744630 | 1,4-Dichlorobenzene-d4 | 7.657 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexanoic acid, 2-ethyl- | 144 | C8H16O2 | 000149-57-5 | 91 |
| 2 | Acetic acid, diethyl- | 116 | C6H12O2 | 000088-09-5 | 59 |
| 3 | Butanoic acid, 2-methyl-, methyl... | 116 | C6H12O2 | 000868-57-5 | 50 |
| 4 | 1,4-Dioxane | 88 | C4H8O2 | 000123-91-1 | 47 |
| 5 | 2-Ethyl-4-methylpentanoic acid | 144 | C8H16O2 | 000108-81-6 | 45 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024714.D
Acq On : 20 May 2025 19:21
Operator : RC/JU
Sample : Q2064-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

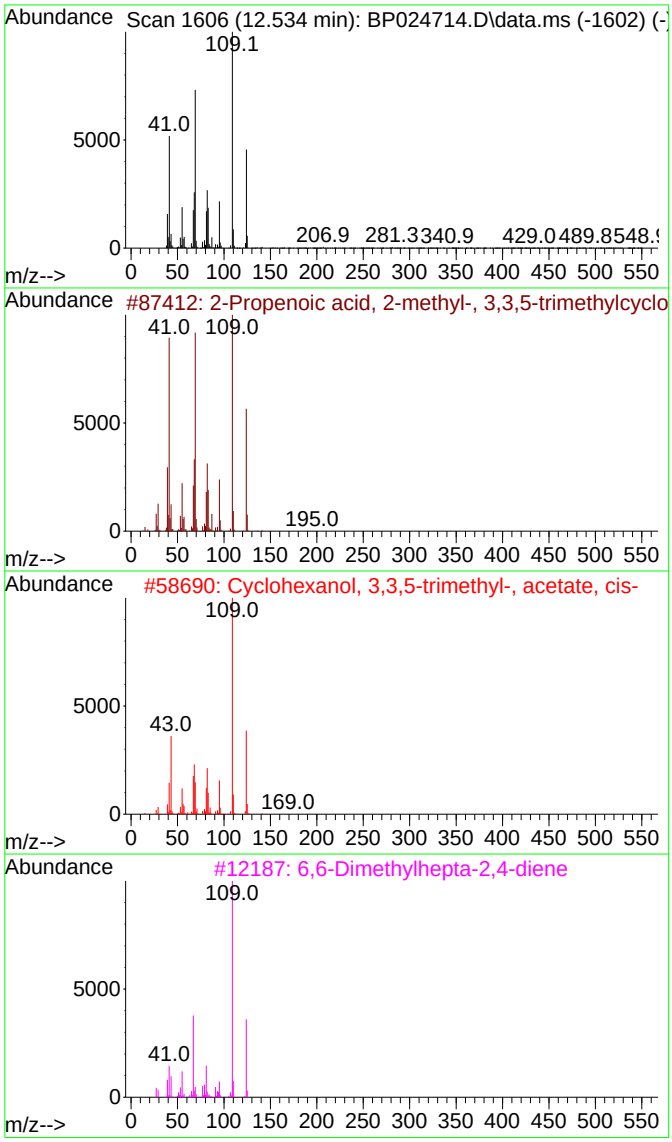
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

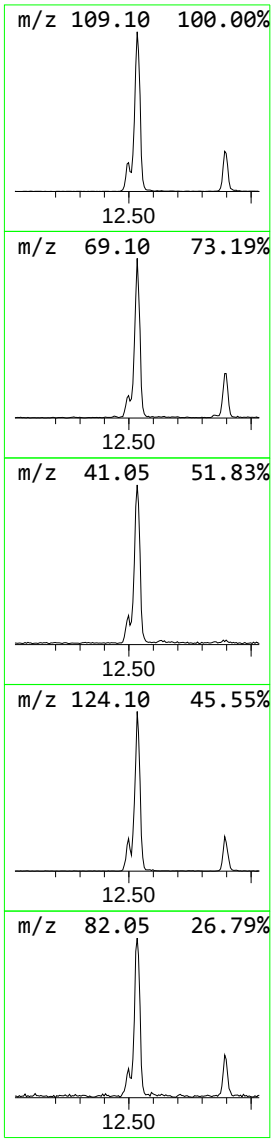
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 2-Propenoic acid, 2-methyl-... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.534 | 3.33 ng | 204018 | Acenaphthene-d10 | 14.287 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propenoic acid, 2-methyl-, 3,3... | 210 | C13H22O2 | 007779-31-9 | 64 |
| 2 | Cyclohexanol, 3,3,5-trimethyl-, ... | 184 | C11H20O2 | 024691-16-5 | 58 |
| 3 | 6,6-Dimethylhepta-2,4-diene | 124 | C9H16 | 1000195-03-3 | 43 |
| 4 | 3,3,5-Trimethylcyclohexyl butyrate | 212 | C13H24O2 | 1000430-81-6 | 38 |
| 5 | 2-Cyclopenten-1-one, 3,4,5-trime... | 124 | C8H12O | 055683-21-1 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024714.D
Acq On : 20 May 2025 19:21
Operator : RC/JU
Sample : Q2064-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

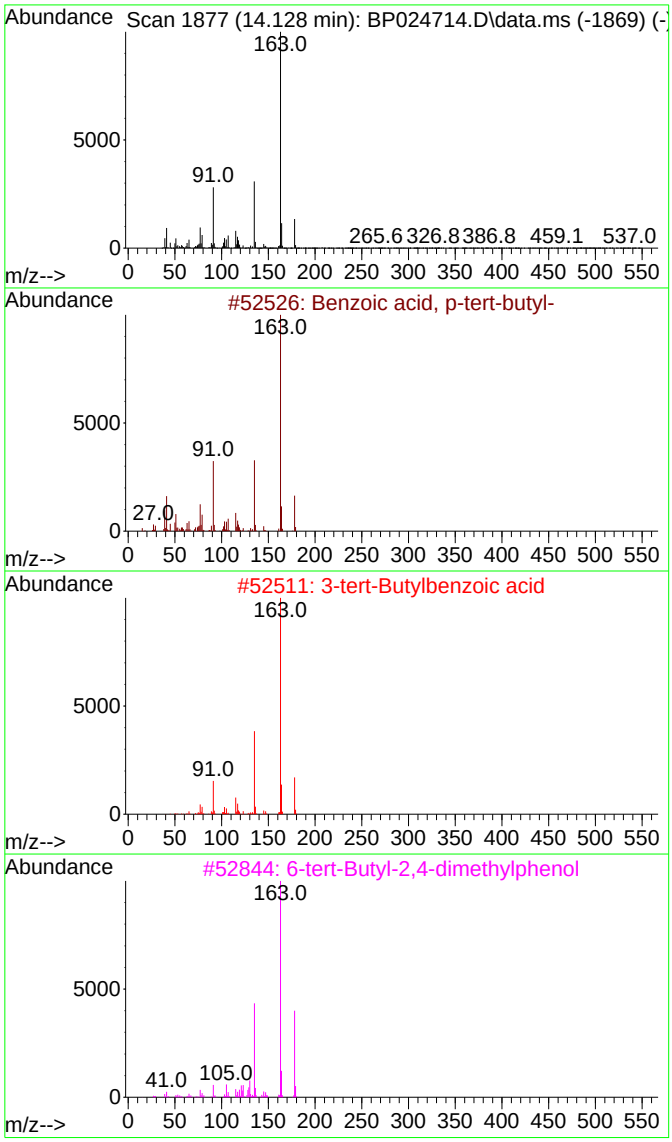
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

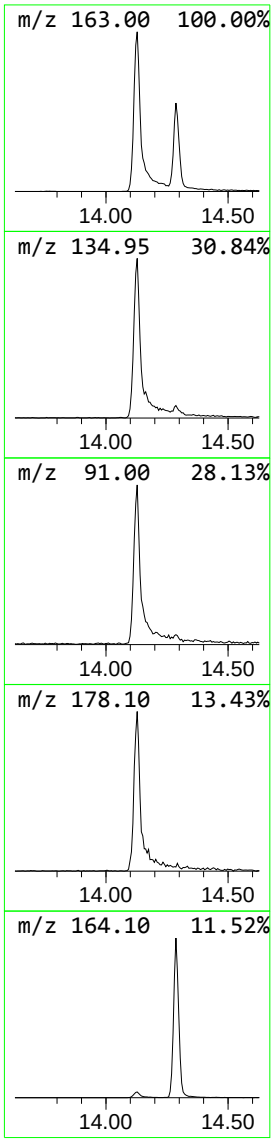
**********

Peak Number 3 Benzoic acid, p-tert-butyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.128 | 6.92 ng | 423562 | Acenaphthene-d10 | 14.287 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzoic acid, p-tert-butyl- | 178 | C11H14O2 | 000098-73-7 | 96 |
| 2 | 3-tert-Butylbenzoic acid | 178 | C11H14O2 | 007498-54-6 | 93 |
| 3 | 6-tert-Butyl-2,4-dimethylphenol | 178 | C12H18O | 001879-09-0 | 64 |
| 4 | Benzaldehyde, 5-(1,1-dimethyleth... | 178 | C11H14O2 | 002725-53-3 | 64 |
| 5 | Benzoic acid, 4-acetyl-, methyl ... | 178 | C10H10O3 | 003609-53-8 | 59 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024714.D
Acq On : 20 May 2025 19:21
Operator : RC/JU
Sample : Q2064-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

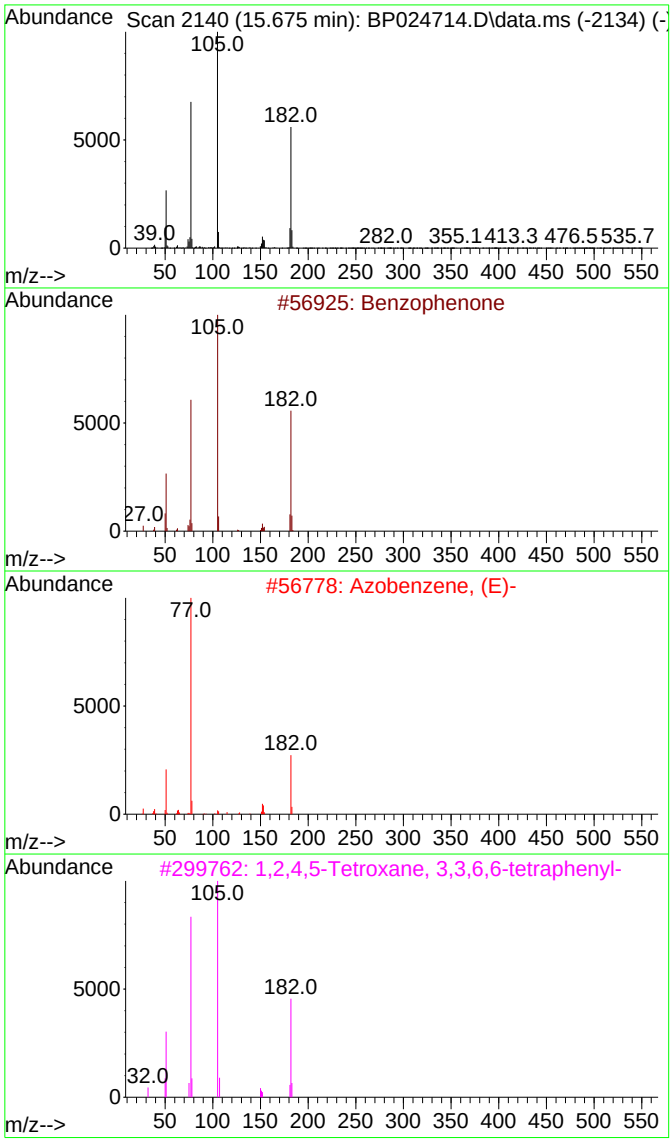
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

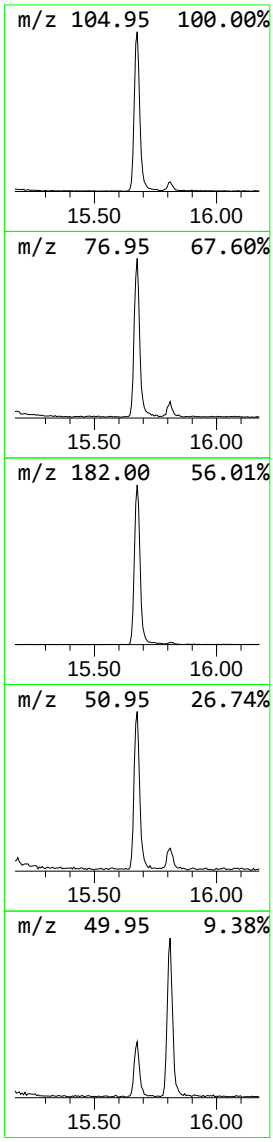
**********

Peak Number 4 Benzophenone Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.675 | 3.21 ng | 196372 | Acenaphthene-d10 | 14.287 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 96 |
| 2 | Azobenzene, (E)- | 182 | C12H10N2 | 017082-12-1 | 64 |
| 3 | 1,2,4,5-Tetroxane, 3,3,6,6-tetra... | 396 | C26H20O4 | 016204-36-7 | 64 |
| 4 | 1,2,4-Trioxolane, 3,3,5-triphenyl- | 304 | C20H16O3 | 023246-12-0 | 59 |
| 5 | Methanone, phenyl-2-pyridinyl- | 183 | C12H9NO | 000091-02-1 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024714.D
Acq On : 20 May 2025 19:21
Operator : RC/JU
Sample : Q2064-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

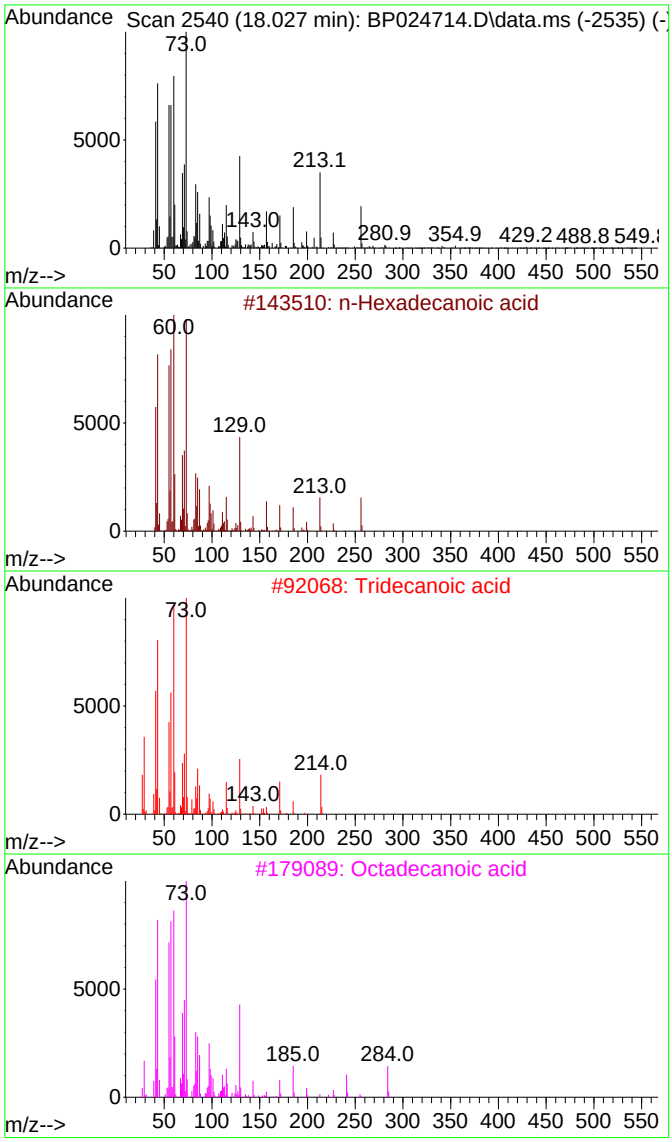
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

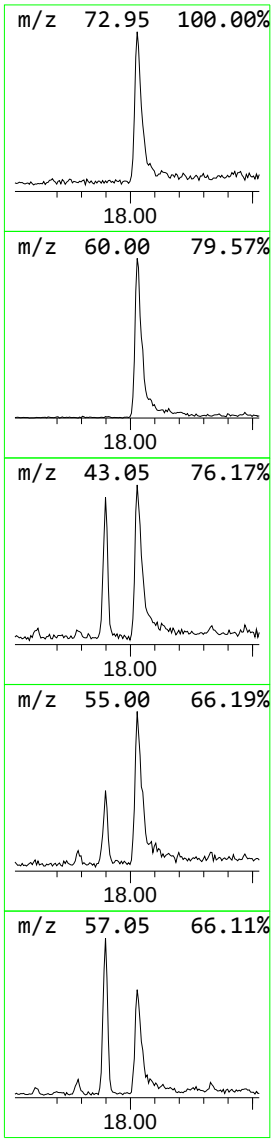
**********

Peak Number 5 n-Hexadecanoic acid Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.028 | 2.40 ng | 178247 | Phenanthrene-d10 | 17.086 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 95 |
| 3 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 87 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 80 |
| 5 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 74 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024714.D
Acq On : 20 May 2025 19:21
Operator : RC/JU
Sample : Q2064-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

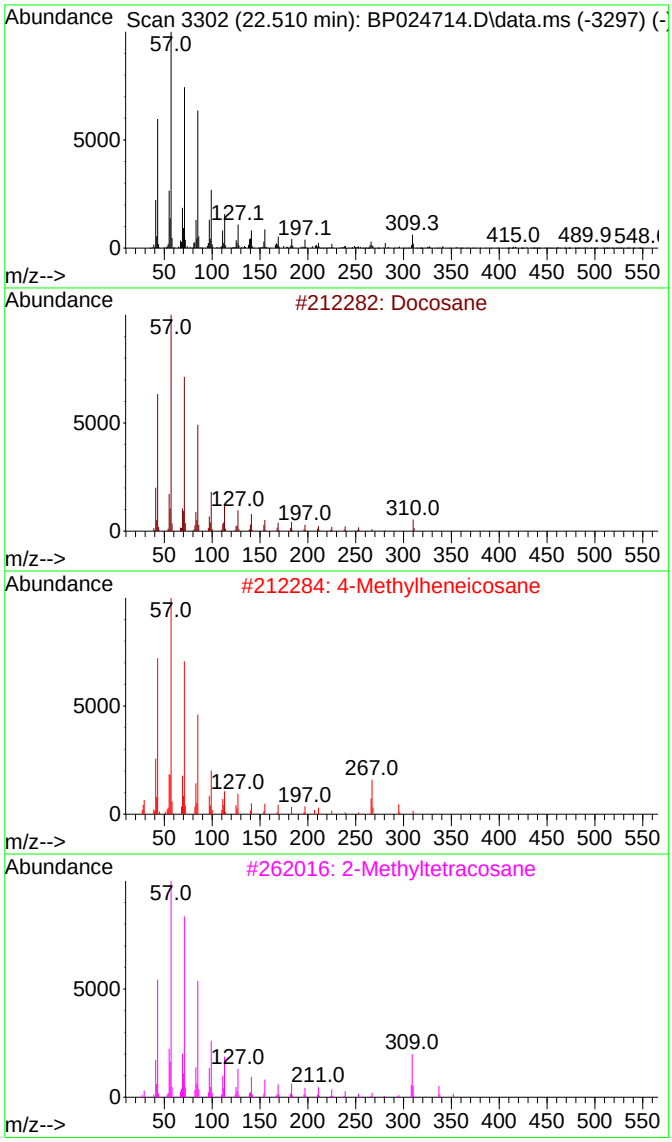
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

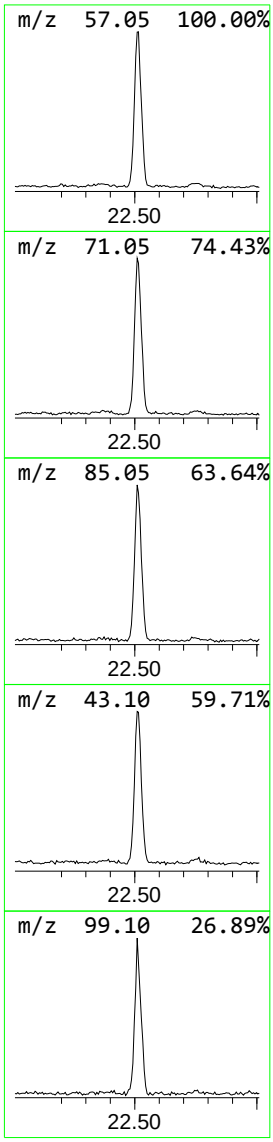
**********

Peak Number 6 Docosane Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.510 | 3.97 ng | 349532 | Chrysene-d12 | 21.515 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Docosane | 310 | C22H46 | 000629-97-0 | 93 |
| 2 | 4-Methylheneicosane | 310 | C22H46 | 025117-29-7 | 93 |
| 3 | 2-Methyltetracosane | 352 | C25H52 | 001560-78-7 | 91 |
| 4 | Tetracosane, 1-iodo- | 464 | C24H49I | 1000406-32-0 | 91 |
| 5 | Octacosane, 1-iodo- | 520 | C28H57I | 1000406-32-2 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024714.D
Acq On : 20 May 2025 19:21
Operator : RC/JU
Sample : Q2064-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Hexanoic acid, ... | 9.010 | 24.7 | ng | 744630 | 1 | 7.657 | 603112 | 20.0 |
| 2-Propenoic aci... | 12.534 | 3.3 | ng | 204018 | 3 | 14.287 | 1224480 | 20.0 |
| Benzoic acid, p... | 14.128 | 6.9 | ng | 423562 | 3 | 14.287 | 1224480 | 20.0 |
| Benzophenone | 15.675 | 3.2 | ng | 196372 | 3 | 14.287 | 1224480 | 20.0 |
| n-Hexadecanoic ... | 18.028 | 2.4 | ng | 178247 | 4 | 17.086 | 1483660 | 20.0 |
| Docosane | 22.510 | 4.0 | ng | 349532 | 5 | 21.515 | 1762810 | 20.0 |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 05/14/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 05/16/25 |
| Client Sample ID: | RW8-SP303-90-20250514 | SDG No.: | Q2064 |
| Lab Sample ID: | Q2064-08 | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024715.D | 1 | 05/19/25 08:42 | 05/20/25 20:02 | PB168048 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 100-52-7 | Benzaldehyde | 8.00 | U | 3.90 | 8.00 | 10.0 | ug/L |
| 108-95-2 | Phenol | 4.00 | U | 0.91 | 4.00 | 5.00 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 4.00 | U | 0.81 | 4.00 | 5.00 | ug/L |
| 95-57-8 | 2-Chlorophenol | 4.00 | U | 0.58 | 4.00 | 5.00 | ug/L |
| 95-48-7 | 2-Methylphenol | 4.00 | U | 1.10 | 4.00 | 5.00 | ug/L |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 4.00 | U | 1.30 | 4.00 | 5.00 | ug/L |
| 98-86-2 | Acetophenone | 4.00 | U | 0.74 | 4.00 | 5.00 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 8.00 | U | 1.10 | 8.00 | 10.0 | ug/L |
| 621-64-7 | n-Nitroso-di-n-propylamine | 2.50 | U | 1.40 | 2.50 | 2.50 | ug/L |
| 67-72-1 | Hexachloroethane | 4.00 | U | 0.65 | 4.00 | 5.00 | ug/L |
| 98-95-3 | Nitrobenzene | 4.00 | U | 0.76 | 4.00 | 5.00 | ug/L |
| 78-59-1 | Isophorone | 4.00 | U | 0.75 | 4.00 | 5.00 | ug/L |
| 88-75-5 | 2-Nitrophenol | 4.00 | U | 1.80 | 4.00 | 5.00 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 4.00 | U | 1.90 | 4.00 | 5.00 | ug/L |
| 111-91-1 | bis(2-Chloroethoxy)methane | 4.00 | U | 0.68 | 4.00 | 5.00 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | 4.00 | U | 0.52 | 4.00 | 5.00 | ug/L |
| 91-20-3 | Naphthalene | 4.00 | U | 0.50 | 4.00 | 5.00 | ug/L |
| 106-47-8 | 4-Chloroaniline | 4.00 | U | 0.84 | 4.00 | 5.00 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 4.00 | U | 0.54 | 4.00 | 5.00 | ug/L |
| 105-60-2 | Caprolactam | 8.00 | U | 1.10 | 8.00 | 10.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | 4.00 | U | 0.59 | 4.00 | 5.00 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 4.00 | U | 0.56 | 4.00 | 5.00 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | 8.00 | U | 3.60 | 8.00 | 10.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 4.00 | U | 0.51 | 4.00 | 5.00 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 4.00 | U | 0.62 | 4.00 | 5.00 | ug/L |
| 92-52-4 | 1,1-Biphenyl | 4.00 | U | 0.53 | 4.00 | 5.00 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | 4.00 | U | 0.61 | 4.00 | 5.00 | ug/L |
| 88-74-4 | 2-Nitroaniline | 4.00 | U | 1.30 | 4.00 | 5.00 | ug/L |
| 131-11-3 | Dimethylphthalate | 4.00 | U | 0.61 | 4.00 | 5.00 | ug/L |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 05/14/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 05/16/25 |
| Client Sample ID: | RW8-SP303-90-20250514 | SDG No.: | Q2064 |
| Lab Sample ID: | Q2064-08 | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024715.D | 1 | 05/19/25 08:42 | 05/20/25 20:02 | PB168048 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 4.00 | U | 0.75 | 4.00 | 5.00 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | 4.00 | U | 0.92 | 4.00 | 5.00 | ug/L |
| 99-09-2 | 3-Nitroaniline | 4.00 | U | 1.10 | 4.00 | 5.00 | ug/L |
| 83-32-9 | Acenaphthene | 4.00 | U | 0.55 | 4.00 | 5.00 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | 8.00 | U | 6.00 | 8.00 | 10.0 | ug/L |
| 100-02-7 | 4-Nitrophenol | 8.00 | U | 2.40 | 8.00 | 10.0 | ug/L |
| 132-64-9 | Dibenzofuran | 4.00 | U | 0.61 | 4.00 | 5.00 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 4.00 | U | 1.20 | 4.00 | 5.00 | ug/L |
| 84-66-2 | Diethylphthalate | 4.00 | U | 0.69 | 4.00 | 5.00 | ug/L |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 4.00 | U | 0.68 | 4.00 | 5.00 | ug/L |
| 86-73-7 | Fluorene | 4.00 | U | 0.63 | 4.00 | 5.00 | ug/L |
| 100-01-6 | 4-Nitroaniline | 4.00 | U | 1.50 | 4.00 | 5.00 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 8.00 | U | 2.90 | 8.00 | 10.0 | ug/L |
| 86-30-6 | n-Nitrosodiphenylamine | 4.00 | U | 0.58 | 4.00 | 5.00 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 4.00 | U | 0.40 | 4.00 | 5.00 | ug/L |
| 118-74-1 | Hexachlorobenzene | 4.00 | U | 0.52 | 4.00 | 5.00 | ug/L |
| 1912-24-9 | Atrazine | 4.00 | U | 1.00 | 4.00 | 5.00 | ug/L |
| 87-86-5 | Pentachlorophenol | 8.00 | U | 1.60 | 8.00 | 10.0 | ug/L |
| 85-01-8 | Phenanthrene | 4.00 | U | 0.50 | 4.00 | 5.00 | ug/L |
| 120-12-7 | Anthracene | 4.00 | U | 0.61 | 4.00 | 5.00 | ug/L |
| 86-74-8 | Carbazole | 4.00 | U | 0.72 | 4.00 | 5.00 | ug/L |
| 84-74-2 | Di-n-butylphthalate | 4.00 | U | 1.20 | 4.00 | 5.00 | ug/L |
| 206-44-0 | Fluoranthene | 4.00 | U | 0.82 | 4.00 | 5.00 | ug/L |
| 129-00-0 | Pyrene | 4.00 | U | 0.50 | 4.00 | 5.00 | ug/L |
| 85-68-7 | Butylbenzylphthalate | 4.00 | U | 1.90 | 4.00 | 5.00 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | 8.00 | U | 0.93 | 8.00 | 10.0 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 4.00 | U | 0.45 | 4.00 | 5.00 | ug/L |
| 218-01-9 | Chrysene | 4.00 | U | 0.44 | 4.00 | 5.00 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 4.00 | U | 1.60 | 4.00 | 5.00 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | 8.00 | U | 2.30 | 8.00 | 10.0 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 4.00 | U | 0.49 | 4.00 | 5.00 | ug/L |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 05/14/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 05/16/25 |
| Client Sample ID: | RW8-SP303-90-20250514 | SDG No.: | Q2064 |
| Lab Sample ID: | Q2064-08 | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024715.D | 1 | 05/19/25 08:42 | 05/20/25 20:02 | PB168048 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 4.00 | U | 0.48 | 4.00 | 5.00 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 4.00 | U | 0.55 | 4.00 | 5.00 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 4.00 | U | 0.59 | 4.00 | 5.00 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 4.00 | U | 0.67 | 4.00 | 5.00 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 4.00 | U | 0.69 | 4.00 | 5.00 | ug/L |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 4.00 | U | 0.52 | 4.00 | 5.00 | ug/L |
| 123-91-1 | 1,4-Dioxane | 4.00 | UQ | 1.00 | 4.00 | 5.00 | ug/L |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 4.00 | U | 0.72 | 4.00 | 5.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 48.5 | | 19 - 119 | | 32% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 26.5 | | 10 - 130 | | 18% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 67.0 | | 44 - 120 | | 67% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 71.7 | | 44 - 119 | | 72% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 159 | | 43 - 140 | | 106% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 95.6 | | 50 - 134 | | 96% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 122000 | 7.658 | | | | |
| 1146-65-2 | Naphthalene-d8 | 472000 | 10.422 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 309000 | 14.281 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 630000 | 17.086 | | | | |
| 1719-03-5 | Chrysene-d12 | 689000 | 21.516 | | | | |
| 1520-96-3 | Perylene-d12 | 813000 | 24.804 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 000119-61-9 | Benzophenone | 3.10 | J | | | 15.7 | ug/L |
| 000057-10-3 | n-Hexadecanoic acid | 2.70 | J | | | 18.0 | ug/L |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 05/14/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 05/16/25 |
| Client Sample ID: | RW8-SP303-90-20250514 | SDG No.: | Q2064 |
| Lab Sample ID: | Q2064-08 | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024715.D | 1 | 05/19/25 08:42 | 05/20/25 20:02 | PB168048 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | 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_P\Data\BP052025\
Data File : BP024715.D
Acq On : 20 May 2025 20:02
Operator : RC/JU
Sample : Q2064-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-90-20250514

Quant Time: May 21 01:26:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

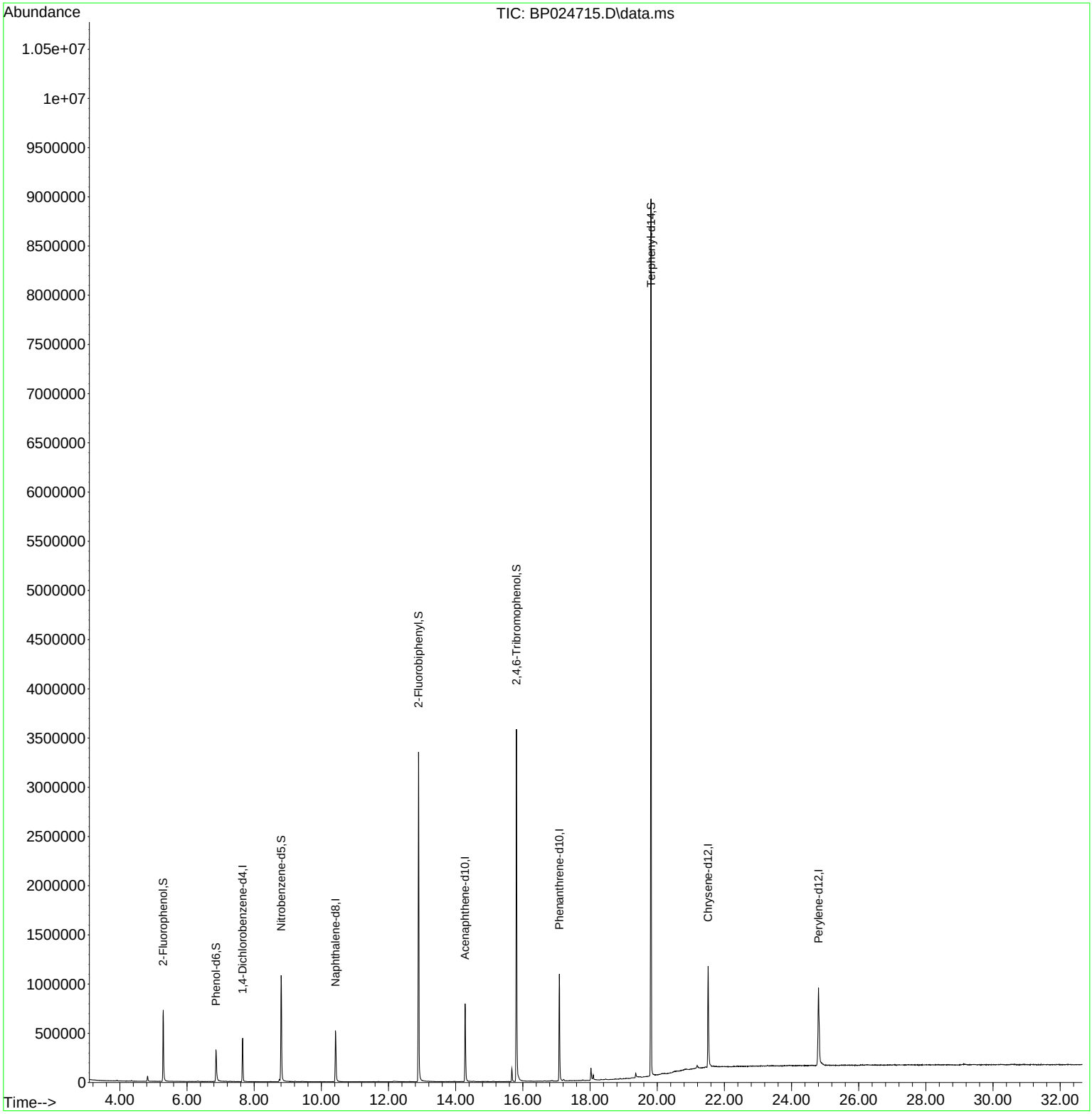
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.658 | 152 | 121733 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.422 | 136 | 471667 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10 | 14.281 | 164 | 308901 | 20.000 | ng | -0.02 |
| 64) Phenanthrene-d10 | 17.086 | 188 | 630051 | 20.000 | ng | -0.01 |
| 76) Chrysene-d12 | 21.516 | 240 | 688875 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.804 | 264 | 813486 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.293 | 112 | 345450 | 48.536 | ng | 0.00 |
| 7) Phenol-d6 | 6.863 | 99 | 240629 | 26.490 | ng | 0.01 |
| 23) Nitrobenzene-d5 | 8.805 | 82 | 625798 | 67.037 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.810 | 330 | 833720 | 159.205 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 12.893 | 172 | 1691360 | 71.735 | ng | -0.01 |
| 79) Terphenyl-d14 | 19.816 | 244 | 3841045 | 95.608 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |

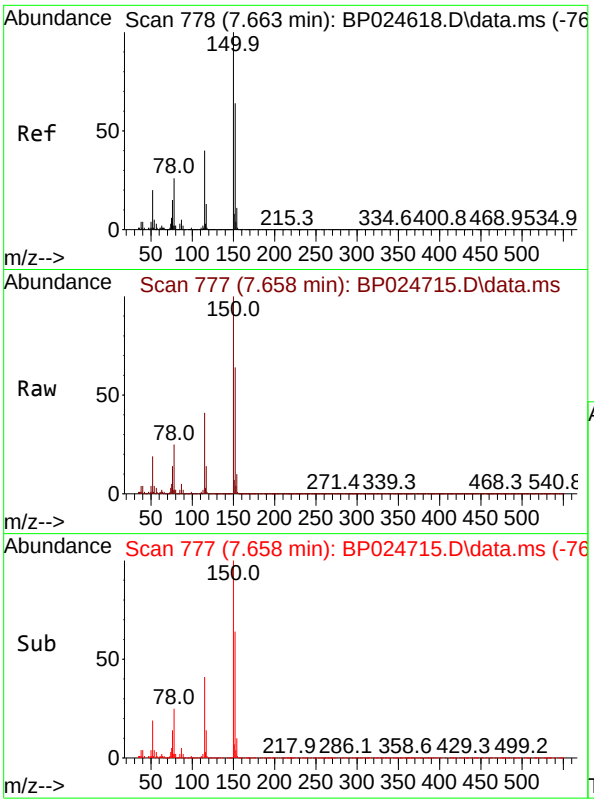
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024715.D
Acq On : 20 May 2025 20:02
Operator : RC/JU
Sample : Q2064-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-90-20250514

Quant Time: May 21 01:26:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



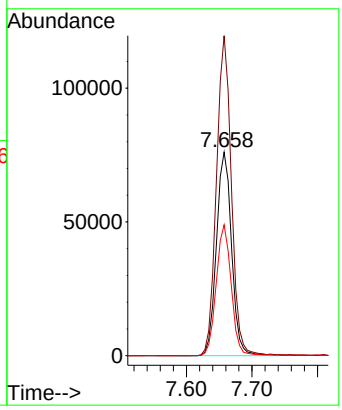


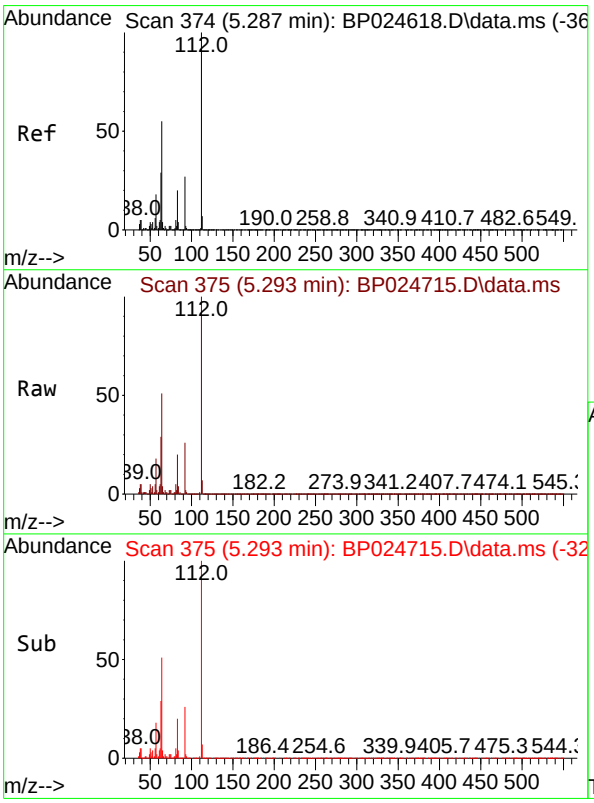

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.658 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024715.D
Acq: 20 May 2025 20:02

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-90-20250514

Tgt Ion:152 Resp: 121733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.3 | 125.9 | 188.9 |
| 115 | 64.3 | 50.1 | 75.1 |

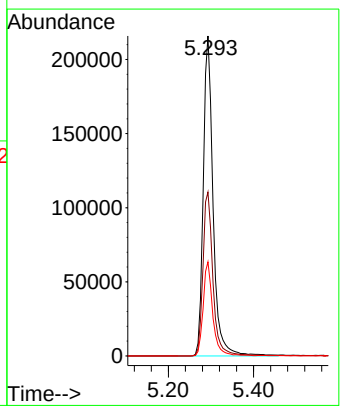


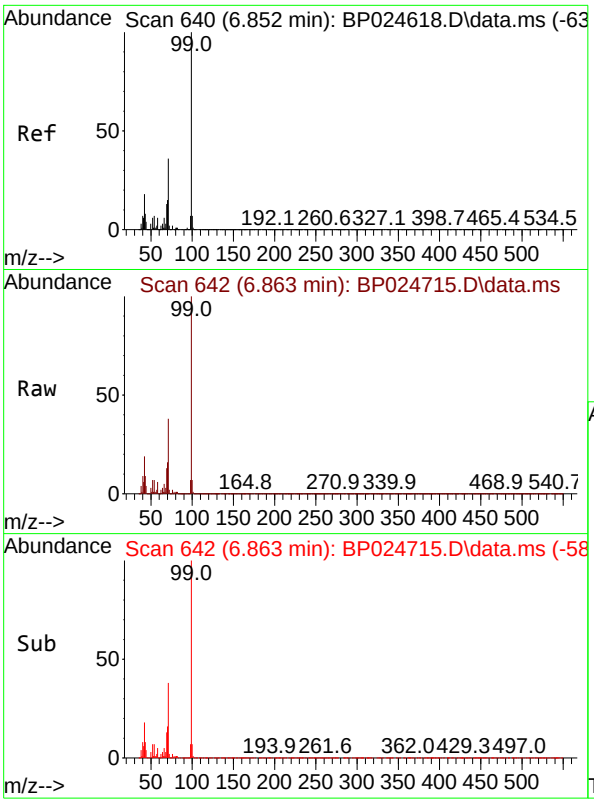




#5
2-Fluorophenol
Concen: 48.536 ng
RT: 5.293 min Scan# 375
Delta R.T. 0.006 min
Lab File: BP024715.D
Acq: 20 May 2025 20:02

Tgt Ion:112 Resp: 345450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 51.2 | 44.1 | 66.1 |
| 63 | 29.4 | 23.5 | 35.3 |



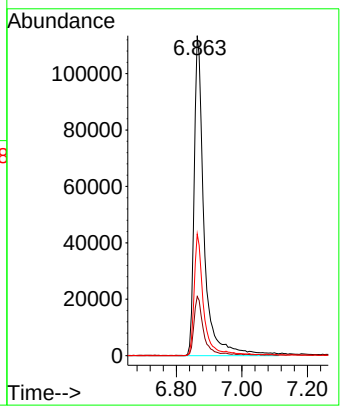


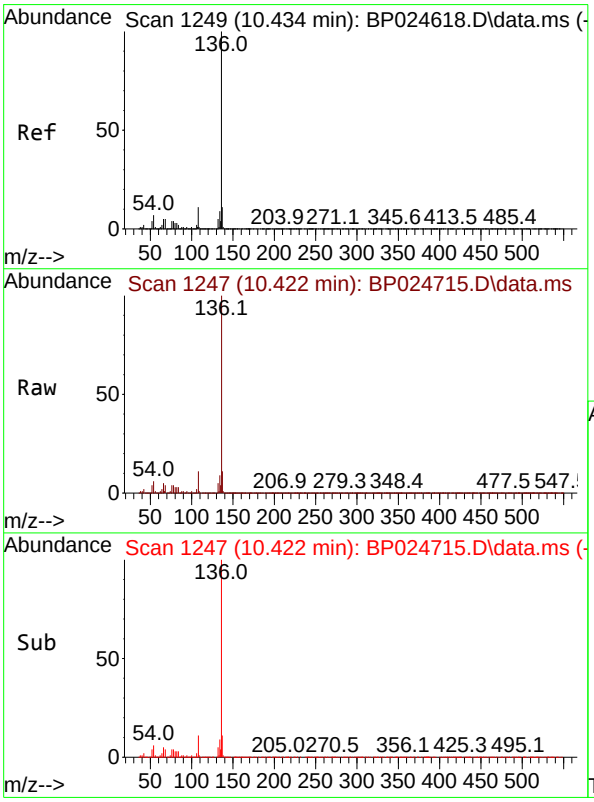

#7
Phenol-d6
Concen: 26.490 ng
RT: 6.863 min Scan# 64
Delta R.T. 0.012 min
Lab File: BP024715.D
Acq: 20 May 2025 20:02

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-90-20250514

Tgt Ion: 99 Resp: 240629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.5 | 14.4 | 21.6 |
| 71 | 38.0 | 29.2 | 43.8 |

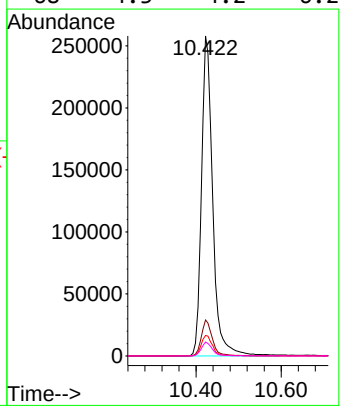


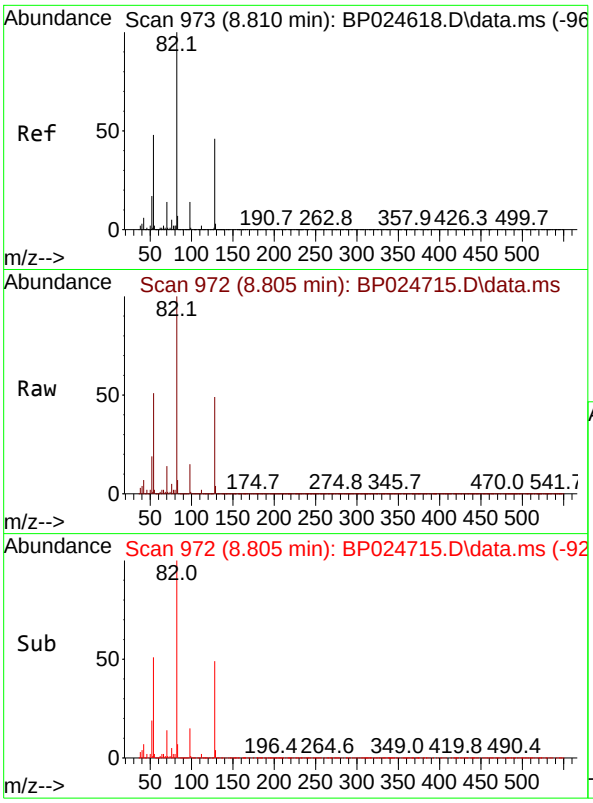




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 1247
Delta R.T. -0.012 min
Lab File: BP024715.D
Acq: 20 May 2025 20:02

Tgt Ion:136 Resp: 471667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.8 | 13.2 |
| 54 | 6.4 | 5.5 | 8.3 |
| 68 | 4.3 | 4.2 | 6.2 |



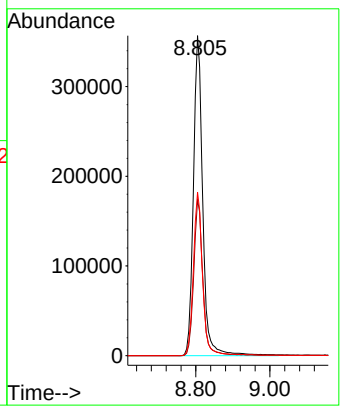


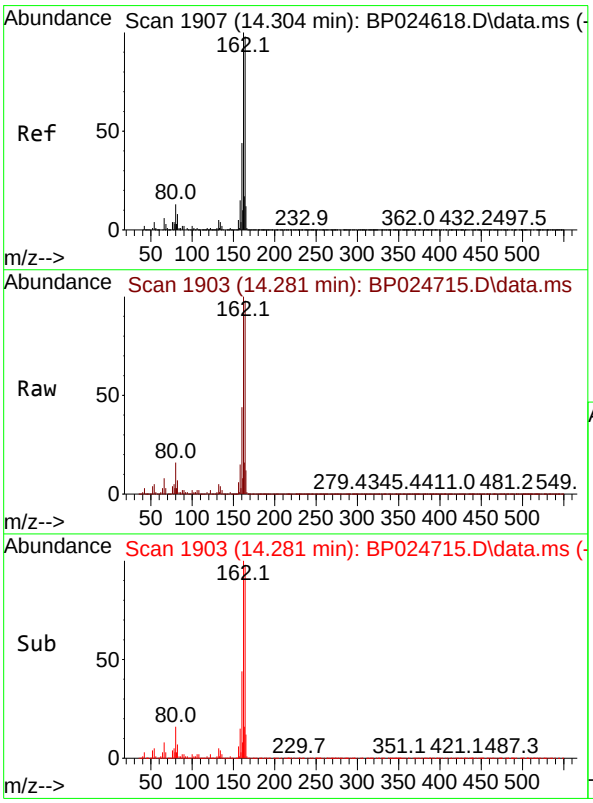

#23
Nitrobenzene-d5
Concen: 67.037 ng
RT: 8.805 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024715.D
Acq: 20 May 2025 20:02

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-90-20250514

Tgt Ion: 82 Resp: 625798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 48.7 | 37.0 | 55.4 |
| 54 | 51.1 | 38.7 | 58.1 |

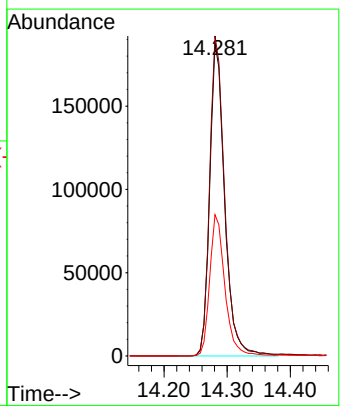


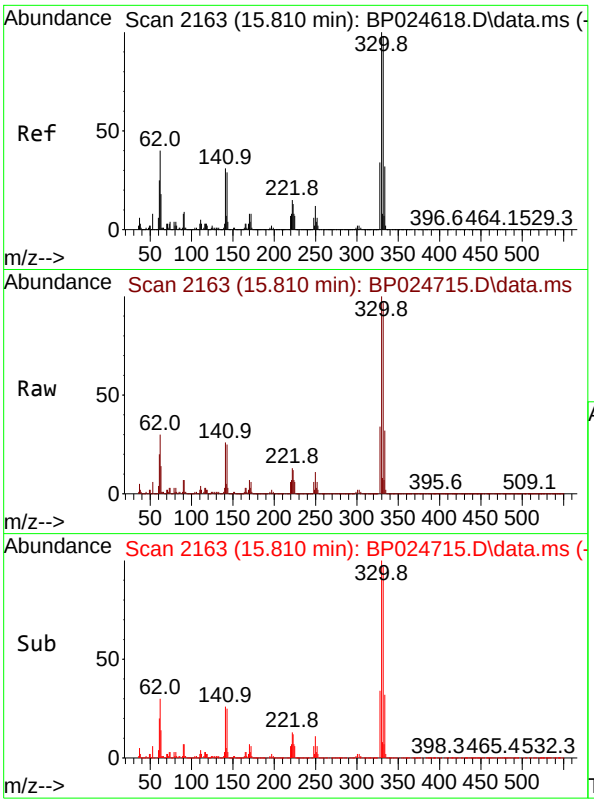




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.281 min Scan# 1903
Delta R.T. -0.024 min
Lab File: BP024715.D
Acq: 20 May 2025 20:02

Tgt Ion:164 Resp: 308901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.3 | 81.8 | 122.6 |
| 160 | 45.2 | 36.3 | 54.5 |



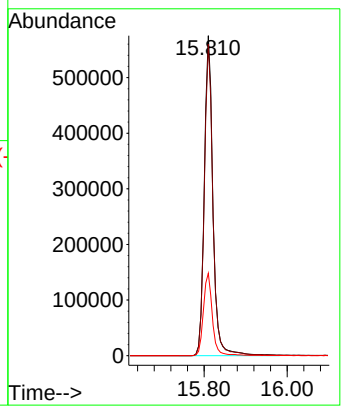


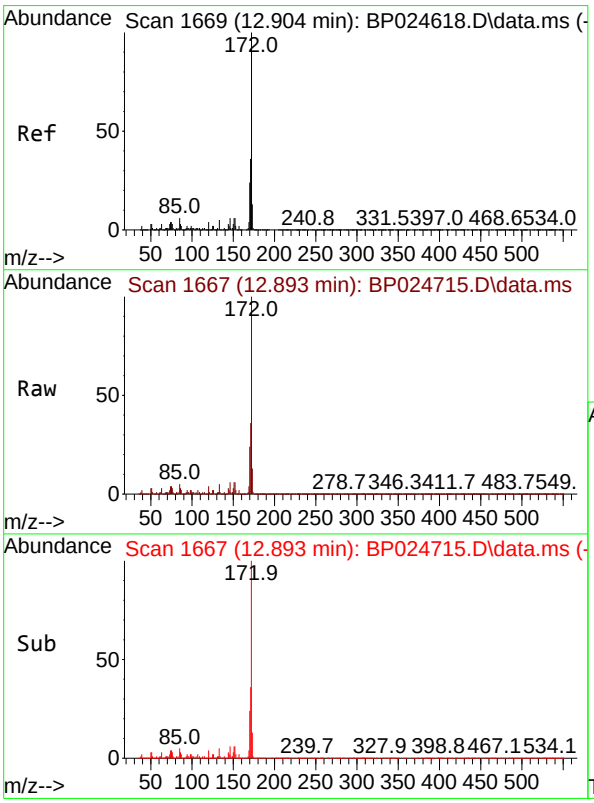

#42
2,4,6-Tribromophenol
Concen: 159.205 ng
RT: 15.810 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024715.D
Acq: 20 May 2025 20:02

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-90-20250514

Tgt Ion:330 Resp: 833720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.4 | 78.2 | 117.4 |
| 141 | 26.5 | 24.3 | 36.5 |

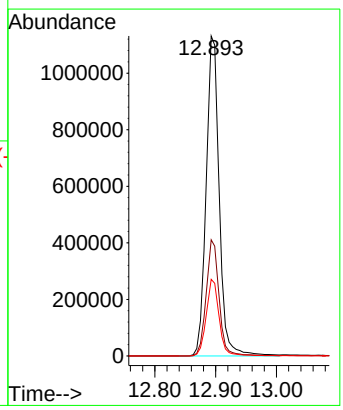


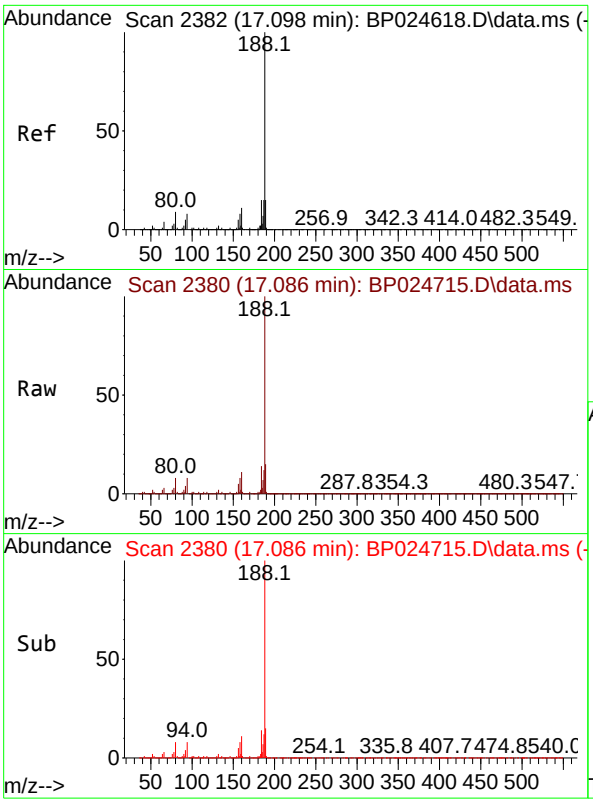




#45
2-Fluorobiphenyl
Concen: 71.735 ng
RT: 12.893 min Scan# 1667
Delta R.T. -0.012 min
Lab File: BP024715.D
Acq: 20 May 2025 20:02

Tgt Ion:172 Resp: 1691360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.3 | 28.8 | 43.2 |
| 170 | 24.0 | 18.8 | 28.2 |



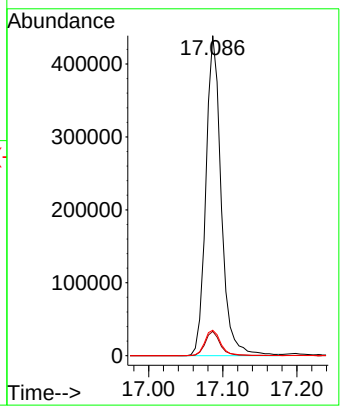


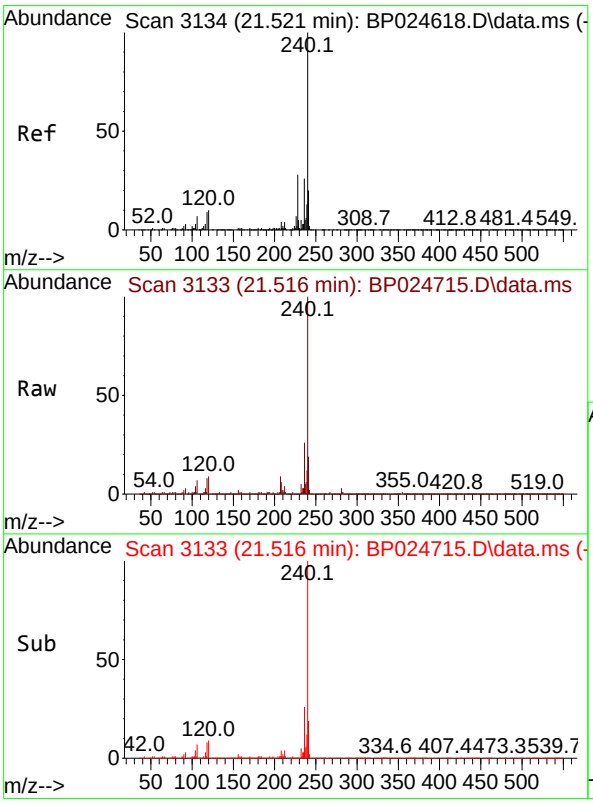

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024715.D
Acq: 20 May 2025 20:02

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-90-20250514

Tgt Ion:188 Resp: 630051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.6 | 6.5 | 9.7 |
| 80 | 8.0 | 7.3 | 10.9 |

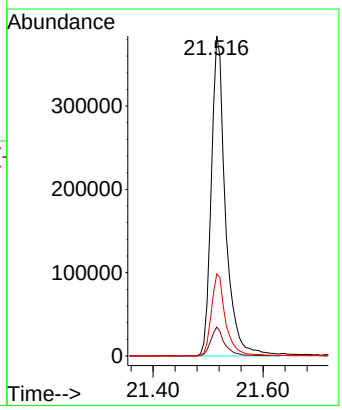


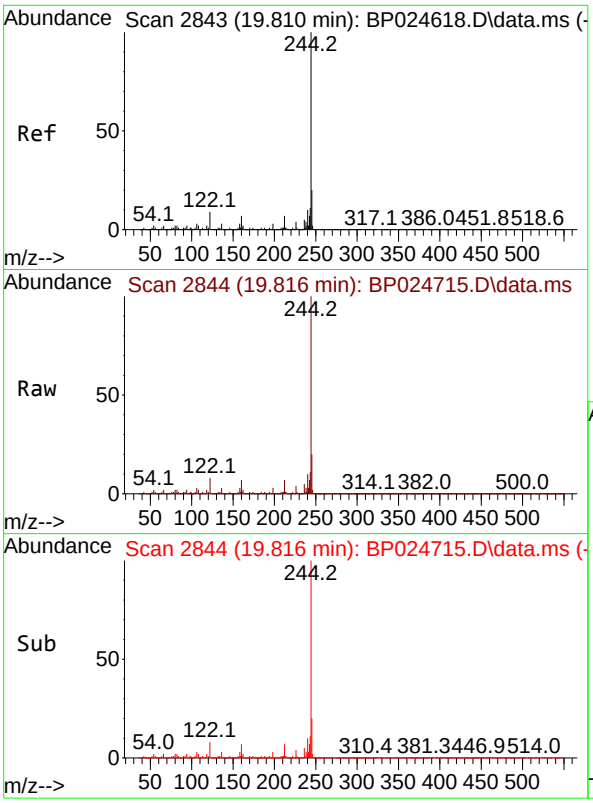




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024715.D
Acq: 20 May 2025 20:02

Tgt Ion:240 Resp: 688875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.1 | 7.8 | 11.6 |
| 236 | 25.6 | 20.6 | 31.0 |



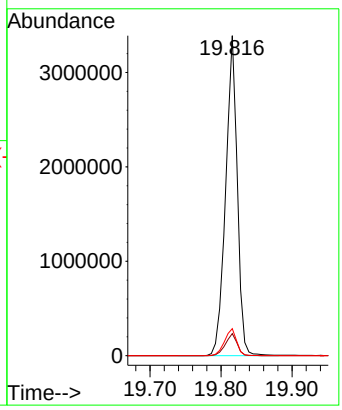


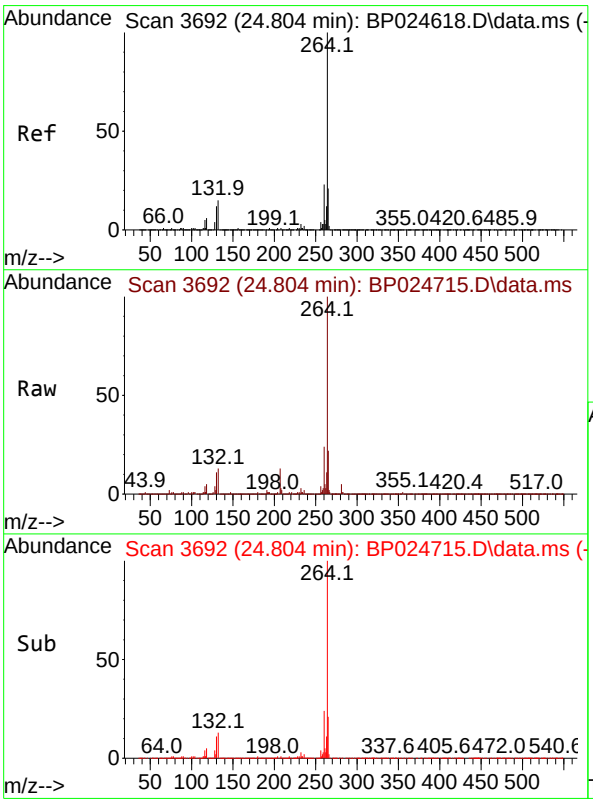

#79
Terphenyl-d14
Concen: 95.608 ng
RT: 19.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024715.D
Acq: 20 May 2025 20:02

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-90-20250514

Tgt Ion:244 Resp: 3841045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.5 | 8.3 |
| 122 | 8.4 | 7.4 | 11.0 |

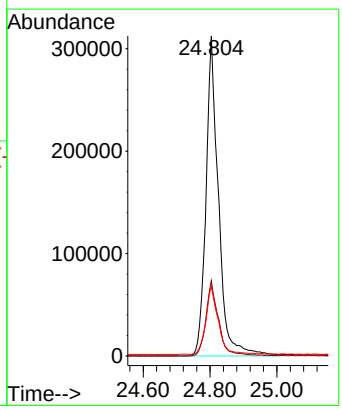



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.804 min Scan# 3692
Delta R.T. 0.000 min
Lab File: BP024715.D
Acq: 20 May 2025 20:02

Tgt Ion:264 Resp: 813486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 18.7 | 28.1 |
| 265 | 21.7 | 17.0 | 25.6 |



Sample Results: **BP024715.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024715.D
Acq On : 20 May 2025 20:02
Operator : RC/JU
Sample : Q2064-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-90-20250514

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024715.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.293 | 368 | 375 | 391 | rBV | 724494 | 1162080 | 11.33% | 3.513% |
| 2 | 6.863 | 636 | 642 | 656 | rBV | 322635 | 646263 | 6.30% | 1.954% |
| 3 | 7.658 | 770 | 777 | 786 | rBV | 442187 | 705689 | 6.88% | 2.133% |
| 4 | 8.805 | 966 | 972 | 1002 | rVB | 1077437 | 1859784 | 18.13% | 5.622% |
| 5 | 10.422 | 1240 | 1247 | 1267 | rBV | 518934 | 950471 | 9.27% | 2.873% |
| 6 | 12.893 | 1660 | 1667 | 1686 | rBV | 3349553 | 4973699 | 48.49% | 15.036% |
| 7 | 14.281 | 1896 | 1903 | 1920 | rBV | 791593 | 1323563 | 12.90% | 4.001% |
| 8 | 15.675 | 2134 | 2140 | 2151 | rBV | 133080 | 201593 | 1.97% | 0.609% |
| 9 | 15.810 | 2156 | 2163 | 2191 | rBV | 3579920 | 5378829 | 52.43% | 16.261% |
| 10 | 17.086 | 2374 | 2380 | 2395 | rBV2 | 1085935 | 1589228 | 15.49% | 4.804% |
| 11 | 18.028 | 2535 | 2540 | 2548 | rBV | 124771 | 216991 | 2.12% | 0.656% |
| 12 | 19.816 | 2837 | 2844 | 2855 | rBV | 8911686 | 10258104 | 100.00% | 31.012% |
| 13 | 21.516 | 3127 | 3133 | 3150 | rBV | 1029121 | 1866559 | 18.20% | 5.643% |
| 14 | 24.804 | 3684 | 3692 | 3716 | rVB | 778690 | 1945274 | 18.96% | 5.881% |

Sum of corrected areas: 33078127

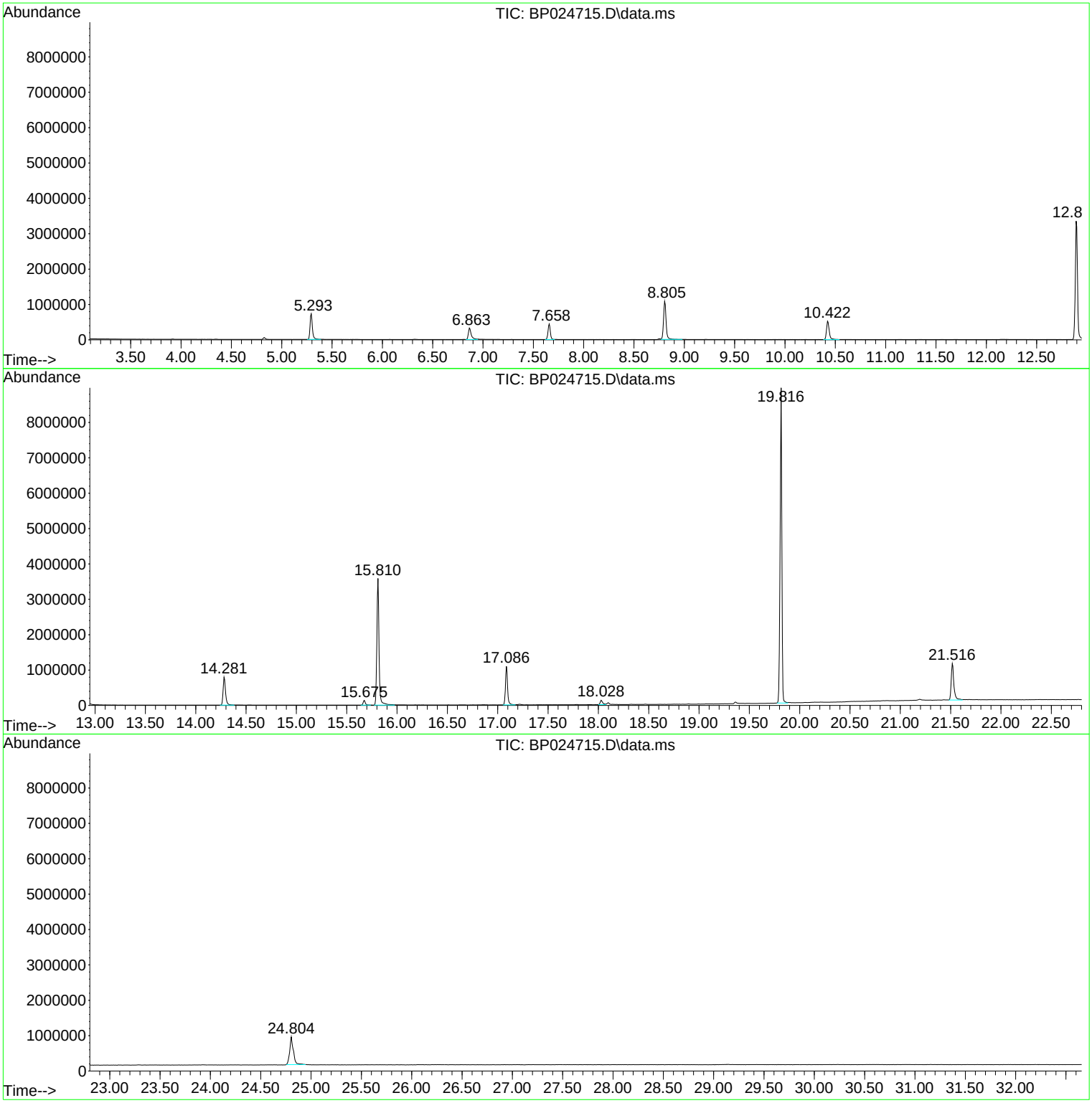
Sample Results: **BP024715.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024715.D
Acq On : 20 May 2025 20:02
Operator : RC/JU
Sample : Q2064-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-90-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024715.D
Acq On : 20 May 2025 20:02
Operator : RC/JU
Sample : Q2064-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-90-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

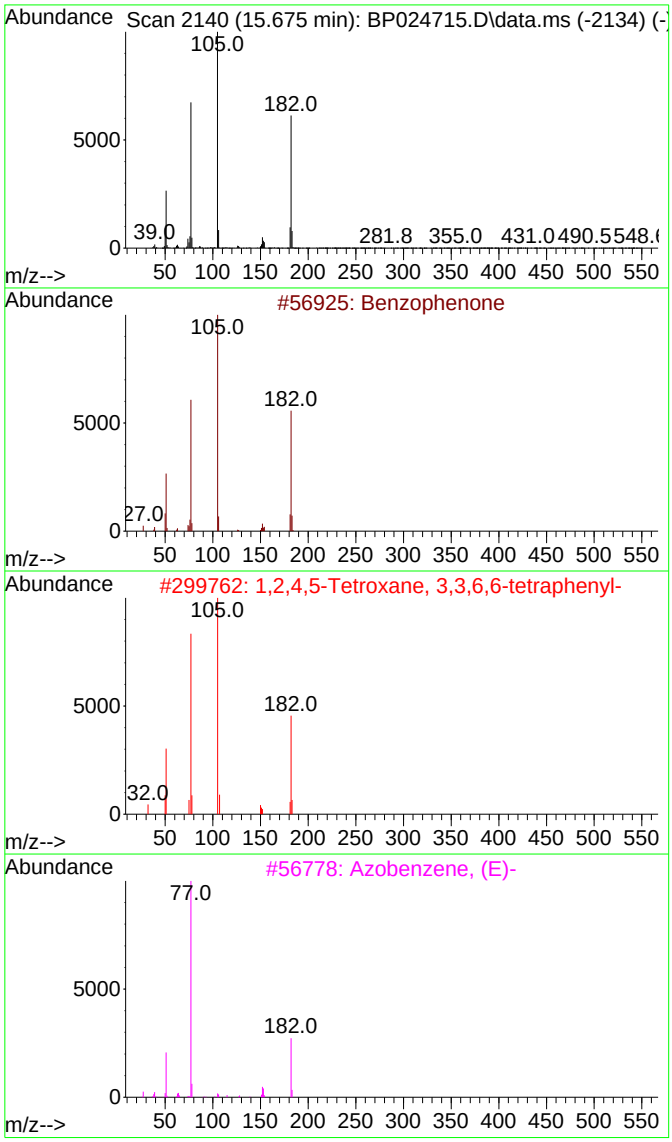
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

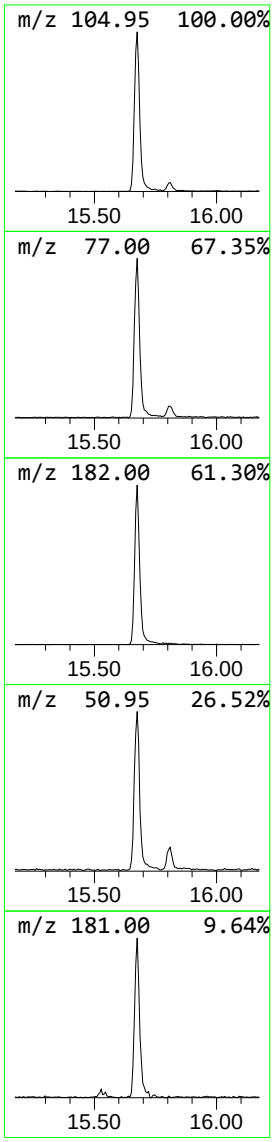
**********

Peak Number 1 Benzophenone Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.675 | 3.05 ng | 201593 | Acenaphthene-d10 | 14.281 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 96 |
| 2 | 1,2,4,5-Tetroxane, 3,3,6,6-tetra... | 396 | C26H20O4 | 016204-36-7 | 64 |
| 3 | Azobenzene, (E)- | 182 | C12H10N2 | 017082-12-1 | 59 |
| 4 | Methanone, phenyl-2-pyridinyl- | 183 | C12H9NO | 000091-02-1 | 56 |
| 5 | Benzenamine, N-(3-pyridinylmethy... | 182 | C12H10N2 | 029722-97-2 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024715.D
Acq On : 20 May 2025 20:02
Operator : RC/JU
Sample : Q2064-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-90-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

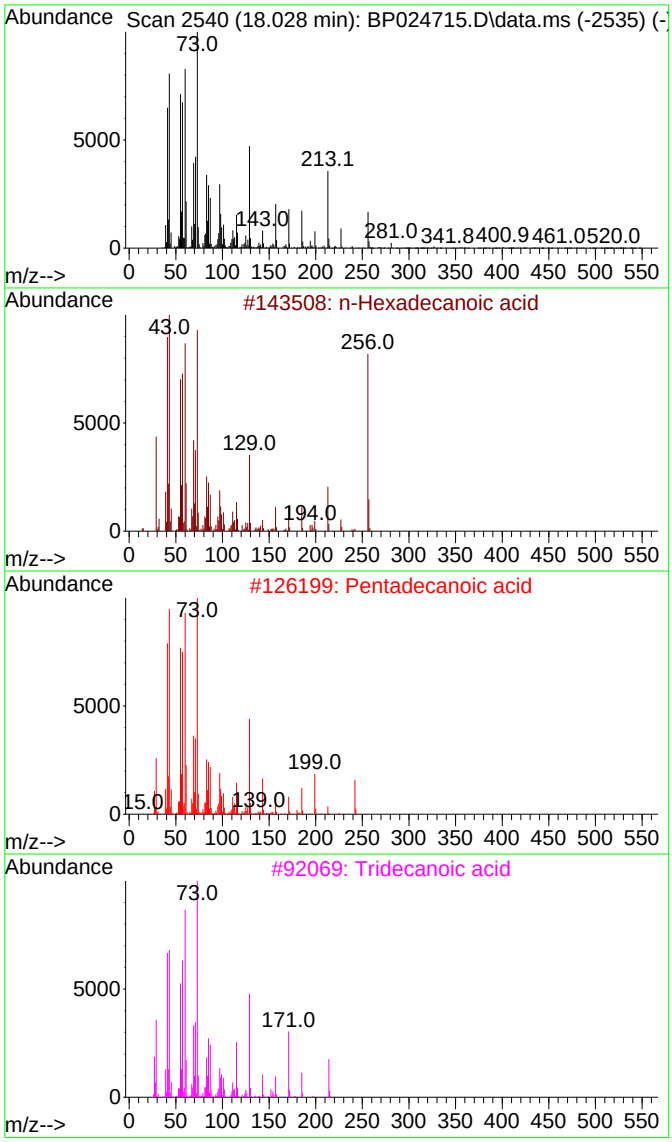
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

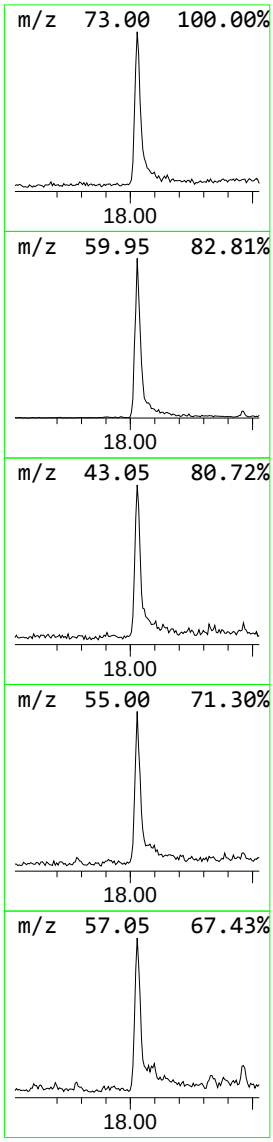
**********

Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.028 | 2.73 ng | 216991 | Phenanthrene-d10 | 17.086 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 83 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 80 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 74 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 70 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024715.D
Acq On : 20 May 2025 20:02
Operator : RC/JU
Sample : Q2064-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP303-90-20250514

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Benzophenone | 15.675 | 3.0 | ng | 201593 | 3 | 14.281 | 1323560 | 20.0 |
| n-Hexadecanoic ... | 18.028 | 2.7 | ng | 216991 | 4 | 17.086 | 1589230 | 20.0 |

# CALIBRATION SUMMARY

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 13 16:21:39 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024614.D 5 =BP024615.D 10 =BP024616.D 20 =BP024617.D 40 =BP024618.D 50 =BP024619.D 60 =BP024620.D 80 =BP0246
21.D

| | | Compound | 2.5 | 5 | 10 | 20 | 40 | 50 | 60 | 80 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | | | | |
| 2) | | 1,4-Dioxane | | 0.641 | 0.557 | 0.535 | 0.505 | 0.562 | 0.530 | 0.513 | 0.549 | 8.31 |
| 3) | | Pyridine | | 1.054 | 1.135 | 1.202 | 1.198 | 1.363 | 1.307 | 1.263 | 1.218 | 8.57 |
| 4) | | n-Nitrosodimet... | | 0.536 | 0.507 | 0.527 | 0.517 | 0.580 | 0.557 | 0.537 | 0.538 | 4.61 |
| 5) | S | 2-Fluorophenol | | 1.134 | 1.096 | 1.162 | 1.105 | 1.272 | 1.223 | 1.193 | 1.169 | 5.50 |
| 6) | | Aniline | | 1.717 | 1.703 | 1.932 | 1.917 | 2.130 | 2.091 | 1.999 | 1.927 | 8.67 |
| 7) | S | Phenol-d6 | | 1.301 | 1.344 | 1.486 | 1.472 | 1.671 | 1.620 | 1.552 | 1.492 | 9.09 |
| 8) | | 2-Chlorophenol | | 1.200 | 1.204 | 1.311 | 1.303 | 1.465 | 1.433 | 1.376 | 1.327 | 7.83 |
| 9) | | Benzaldehyde | | 0.991 | 1.008 | 1.046 | 0.955 | 1.043 | 0.954 | 0.766 | 0.966 | 9.91 |
| 10) | C | Phenol | | 1.373 | 1.401 | 1.526 | 1.509 | 1.707 | 1.670 | 1.597 | 1.540 | 8.24 |
| 11) | | bis(2-Chloroet... | | 1.317 | 1.170 | 1.257 | 1.213 | 1.357 | 1.299 | 1.247 | 1.266 | 5.04 |
| 12) | | 1,3-Dichlorobe... | | 1.596 | 1.487 | 1.520 | 1.440 | 1.622 | 1.546 | 1.480 | 1.527 | 4.29 |
| 13) | C | 1,4-Dichlorobe... | | 1.558 | 1.505 | 1.525 | 1.470 | 1.637 | 1.567 | 1.491 | 1.536 | 3.67 |
| 14) | | 1,2-Dichlorobe... | | 1.530 | 1.467 | 1.498 | 1.426 | 1.579 | 1.529 | 1.449 | 1.497 | 3.56 |
| 15) | | Benzyl Alcohol | | 0.883 | 0.950 | 1.128 | 1.149 | 1.306 | 1.288 | 1.236 | 1.134 | 14.43 |
| 16) | | 2,2'-oxybis(1-... | | 1.543 | 1.445 | 1.520 | 1.467 | 1.617 | 1.564 | 1.454 | 1.516 | 4.22 |
| 17) | | 2-Methylphenol | | 0.966 | 0.949 | 1.105 | 1.099 | 1.246 | 1.213 | 1.154 | 1.105 | 10.30 |
| 18) | | Hexachloroethane | | 0.606 | 0.591 | 0.582 | 0.551 | 0.623 | 0.597 | 0.570 | 0.589 | 4.04 |
| 19) | P | n-Nitroso-di-n... | 0.880 | 0.977 | 0.967 | 1.086 | 1.048 | 1.142 | 1.132 | 1.026 | 1.032 | 8.63 |
| 20) | | 3+4-Methylphenols | | 1.221 | 1.302 | 1.503 | 1.515 | 1.702 | 1.692 | 1.584 | 1.503 | 12.21 |
| 21) | I | Naphthalene-d8 | ----------ISTD---------- | | | | | | | | | |
| 22) | | Acetophenone | | 0.486 | 0.481 | 0.511 | 0.483 | 0.534 | 0.512 | 0.491 | 0.500 | 3.97 |
| 23) | S | Nitrobenzene-d5 | | 0.381 | 0.376 | 0.401 | 0.382 | 0.429 | 0.408 | 0.394 | 0.396 | 4.67 |
| 24) | | Nitrobenzene | | 0.333 | 0.340 | 0.355 | 0.337 | 0.373 | 0.356 | 0.344 | 0.348 | 4.03 |
| 25) | | Isophorone | | 0.644 | 0.640 | 0.695 | 0.673 | 0.753 | 0.721 | 0.682 | 0.687 | 5.91 |
| 26) | C | 2-Nitrophenol | | 0.135 | 0.143 | 0.168 | 0.172 | 0.196 | 0.192 | 0.189 | 0.171 | 14.05 |
| 27) | | 2,4-Dimethylph... | | 0.273 | 0.279 | 0.300 | 0.298 | 0.329 | 0.318 | 0.309 | 0.301 | 6.60 |
| 28) | | bis(2-Chloroet... | | 0.403 | 0.391 | 0.411 | 0.399 | 0.443 | 0.419 | 0.405 | 0.410 | 4.15 |
| 29) | C | 2,4-Dichloroph... | | 0.250 | 0.258 | 0.290 | 0.291 | 0.327 | 0.316 | 0.309 | 0.292 | 9.96 |
| 30) | | 1,2,4-Trichlor... | | 0.346 | 0.322 | 0.327 | 0.306 | 0.347 | 0.329 | 0.323 | 0.329 | 4.33 |
| 31) | | Naphthalene | | 1.064 | 1.026 | 1.049 | 0.980 | 1.091 | 1.037 | 1.007 | 1.036 | 3.54 |
| 32) | | Benzoic acid | | | 0.089 | 0.146 | 0.191 | 0.215 | 0.220 | 0.225 | 0.181 | 29.55 |
| 33) | | 4-Chloroaniline | | 0.348 | 0.371 | 0.420 | 0.418 | 0.465 | 0.462 | 0.442 | 0.418 | 10.62 |
| 34) | C | Hexachlorobuta... | | 0.231 | 0.214 | 0.211 | 0.198 | 0.222 | 0.209 | 0.206 | 0.213 | 5.08 |
| 35) | | Caprolactam | | 0.082 | 0.092 | 0.104 | 0.109 | 0.121 | 0.121 | 0.110 | 0.106 | 13.80 |
| 36) | C | 4-Chloro-3-met... | | 0.316 | 0.325 | 0.358 | 0.356 | 0.391 | 0.384 | 0.359 | 0.356 | 7.78 |
| 37) | | 2-Methylnaphth... | | 0.673 | 0.654 | 0.670 | 0.640 | 0.713 | 0.693 | 0.654 | 0.671 | 3.73 |
| 38) | | 1-Methylnaphth... | | 0.741 | 0.700 | 0.720 | 0.690 | 0.751 | 0.733 | 0.690 | 0.718 | 3.47 |

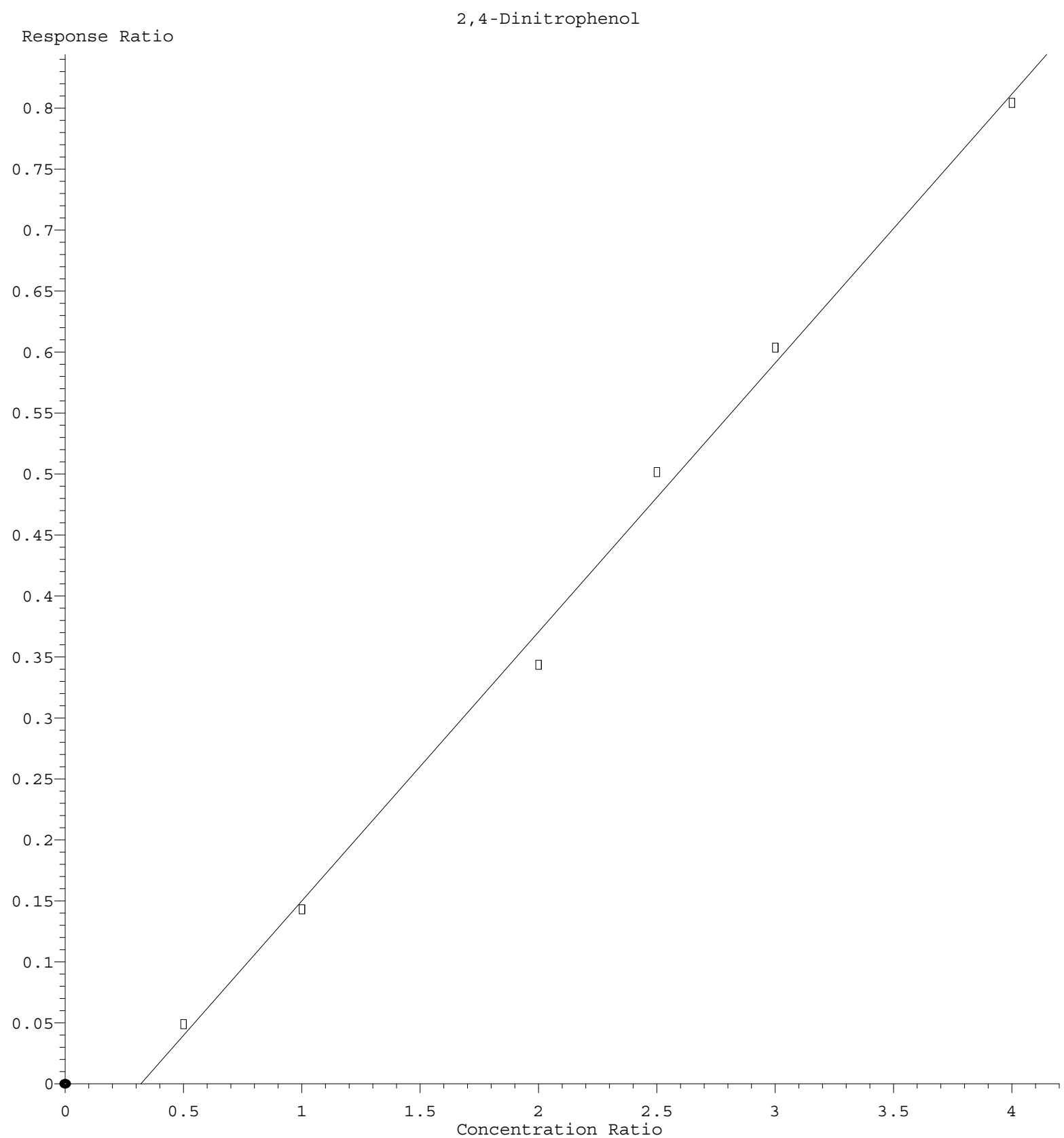
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP051325.M

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 39) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | | |
| 40) | | 1,2,4,5-Tetrac... | 0.593 | 0.558 | 0.574 | 0.549 | 0.625 | 0.580 | 0.586 | 0.581 | 4.26 |
| 41) | P | Hexachlorocycl... | 0.250 | 0.276 | 0.350 | 0.356 | 0.420 | 0.391 | 0.421 | 0.352 | 19.02 |
| 42) | S | 2,4,6-Tribromo... | 0.324 | 0.321 | 0.335 | 0.323 | 0.369 | 0.357 | 0.346 | 0.339 | 5.49 |
| 43) | C | 2,4,6-Trichlor... | 0.305 | 0.341 | 0.375 | 0.371 | 0.428 | 0.410 | 0.402 | 0.376 | 11.29 |
| 44) | | 2,4,5-Trichlor... | 0.376 | 0.375 | 0.418 | 0.404 | 0.471 | 0.447 | 0.440 | 0.419 | 8.68 |
| 45) | S | 2-Fluorobiphenyl | 1.601 | 1.498 | 1.553 | 1.432 | 1.602 | 1.515 | 1.485 | 1.527 | 4.10 |
| 46) | | 1,1'-Biphenyl | 1.524 | 1.434 | 1.492 | 1.383 | 1.586 | 1.473 | 1.456 | 1.478 | 4.40 |
| 47) | | 2-Chloronaphth... | 1.147 | 1.106 | 1.131 | 1.065 | 1.196 | 1.132 | 1.113 | 1.127 | 3.56 |
| 48) | | 2-Nitroaniline | 0.279 | 0.304 | 0.331 | 0.335 | 0.381 | 0.364 | 0.343 | 0.334 | 10.28 |
| 49) | | Acenaphthylene | 1.845 | 1.818 | 1.920 | 1.804 | 2.029 | 1.930 | 1.856 | 1.886 | 4.19 |
| 50) | | Dimethylphthalate | 1.570 | 1.527 | 1.518 | 1.450 | 1.611 | 1.535 | 1.460 | 1.524 | 3.73 |
| 51) | | 2,6-Dinitrotol... | 0.299 | 0.308 | 0.326 | 0.312 | 0.354 | 0.337 | 0.319 | 0.322 | 5.75 |
| 52) | C | Acenaphthene | 1.105 | 1.054 | 1.094 | 1.028 | 1.159 | 1.099 | 1.052 | 1.084 | 4.02 |
| 53) | | 3-Nitroaniline | 0.258 | 0.275 | 0.329 | 0.340 | 0.379 | 0.370 | 0.350 | 0.329 | 14.04 |
| 54) | P | 2,4-Dinitrophenol | | 0.098 | 0.143 | 0.172 | 0.201 | 0.201 | 0.201 | 0.169 | 24.79 |
| 55) | | Dibenzofuran | 1.810 | 1.716 | 1.740 | 1.633 | 1.816 | 1.733 | 1.658 | 1.730 | 4.00 |
| 56) | P | 4-Nitrophenol | | 0.159 | 0.222 | 0.257 | 0.299 | 0.288 | 0.274 | 0.250 | 20.82 |
| 57) | | 2,4-Dinitrotol... | 0.400 | 0.422 | 0.456 | 0.454 | 0.508 | 0.483 | 0.454 | 0.454 | 7.87 |
| 58) | | Fluorene | 1.466 | 1.415 | 1.410 | 1.336 | 1.494 | 1.410 | 1.341 | 1.410 | 4.14 |
| 59) | | 2,3,4,6-Tetrac... | 0.367 | 0.364 | 0.381 | 0.379 | 0.428 | 0.406 | 0.394 | 0.388 | 5.89 |
| 60) | | Diethylphthalate | 1.593 | 1.542 | 1.537 | 1.444 | 1.639 | 1.563 | 1.468 | 1.541 | 4.40 |
| 61) | | 4-Chlorophenyl... | 0.752 | 0.697 | 0.700 | 0.656 | 0.741 | 0.709 | 0.668 | 0.703 | 5.01 |
| 62) | | 4-Nitroaniline | 0.228 | 0.259 | 0.326 | 0.330 | 0.375 | 0.363 | 0.341 | 0.317 | 17.06 |
| 63) | | Azobenzene | 1.327 | 1.299 | 1.356 | 1.250 | 1.407 | 1.343 | 1.243 | 1.318 | 4.45 |
| 64) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | | |
| 65) | | 4,6-Dinitro-2-... | | 0.094 | 0.120 | 0.129 | 0.149 | 0.143 | 0.141 | 0.129 | 15.64 |
| 66) | c | n-Nitrosodiphe... | 0.603 | 0.589 | 0.627 | 0.593 | 0.667 | 0.621 | 0.600 | 0.614 | 4.41 |
| 67) | | 4-Bromophenyl-... | 0.231 | 0.223 | 0.237 | 0.226 | 0.252 | 0.242 | 0.240 | 0.236 | 4.31 |
| 68) | | Hexachlorobenzene | 0.303 | 0.288 | 0.298 | 0.282 | 0.321 | 0.304 | 0.300 | 0.299 | 4.25 |
| 69) | | Atrazine | 0.210 | 0.209 | 0.227 | 0.218 | 0.248 | 0.237 | 0.226 | 0.225 | 6.32 |
| 70) | C | Pentachlorophenol | 0.124 | 0.137 | 0.163 | 0.172 | 0.198 | 0.191 | 0.192 | 0.168 | 17.12 |
| 71) | | Phenanthrene | 1.144 | 1.085 | 1.125 | 1.051 | 1.170 | 1.125 | 1.083 | 1.112 | 3.68 |
| 72) | | Anthracene | 1.097 | 1.064 | 1.142 | 1.075 | 1.205 | 1.139 | 1.108 | 1.119 | 4.31 |
| 73) | | Carbazole | 0.923 | 0.944 | 1.039 | 1.001 | 1.114 | 1.053 | 1.013 | 1.012 | 6.43 |
| 74) | | Di-n-butylphth... | 1.182 | 1.218 | 1.332 | 1.260 | 1.447 | 1.363 | 1.313 | 1.302 | 6.97 |
| 75) | C | Fluoranthene | 1.271 | 1.254 | 1.314 | 1.250 | 1.399 | 1.337 | 1.272 | 1.300 | 4.18 |
| 76) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | | |
| 77) | | Benzidine | | 0.362 | 0.543 | 0.560 | 0.657 | 0.599 | 0.548 | 0.545 | 18.22 |
| 78) | | Pyrene | 1.184 | 1.137 | 1.197 | 1.153 | 1.273 | 1.222 | 1.223 | 1.198 | 3.85 |
| 79) | S | Terphenyl-d14 | 1.192 | 1.113 | 1.165 | 1.125 | 1.226 | 1.175 | 1.167 | 1.166 | 3.30 |
| 80) | | Butylbenzylpht... | 0.458 | 0.465 | 0.537 | 0.527 | 0.604 | 0.571 | 0.569 | 0.533 | 10.28 |
| 81) | | Benzo(a)anthra... | 1.251 | 1.218 | 1.253 | 1.208 | 1.336 | 1.275 | 1.250 | 1.256 | 3.36 |
| 82) | | 3,3'-Dichlorob... | 0.357 | 0.392 | 0.474 | 0.477 | 0.539 | 0.511 | 0.514 | 0.466 | 14.45 |
| 83) | | Chrysene | 1.214 | 1.180 | 1.185 | 1.131 | 1.255 | 1.188 | 1.180 | 1.190 | 3.16 |
| 84) | | Bis(2-ethylhex... | 0.673 | 0.683 | 0.801 | 0.766 | 0.884 | 0.836 | 0.841 | 0.783 | 10.32 |
| 85) | c | Di-n-octyl pht... | 1.048 | 1.116 | 1.272 | 1.280 | 1.458 | 1.376 | 1.417 | 1.281 | 11.95 |

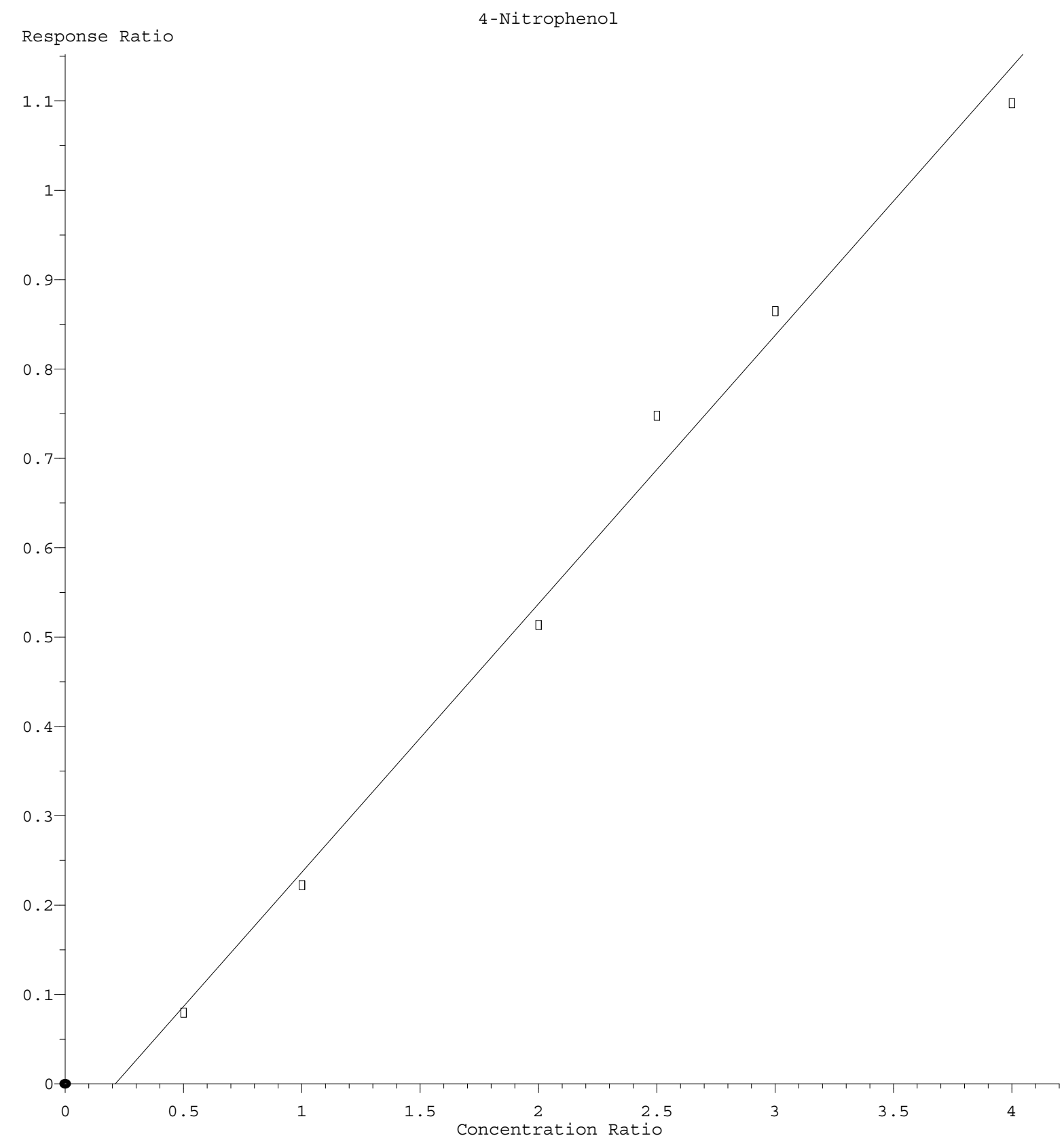
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP051325.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 86) | I | Perylene-d12 | ----------ISTD---------- | | | | | | | |
| 87) | | Indeno(1,2,3-c... | 1.341 | 1.357 | 1.447 | 1.424 | 1.608 | 1.549 | 1.494 | 1.460 | 6.70 |
| 88) | | Benzo(b)fluora... | 1.028 | 1.070 | 1.152 | 1.103 | 1.288 | 1.184 | 1.189 | 1.145 | 7.58 |
| 89) | | Benzo(k)fluora... | 1.147 | 1.106 | 1.182 | 1.140 | 1.258 | 1.238 | 1.185 | 1.180 | 4.59 |
| 90) | C | Benzo(a)pyrene | 0.995 | 1.001 | 1.112 | 1.064 | 1.221 | 1.167 | 1.136 | 1.099 | 7.68 |
| 91) | | Dibenzo(a,h)an... | 1.068 | 1.066 | 1.186 | 1.167 | 1.321 | 1.271 | 1.236 | 1.188 | 8.18 |
| 92) | | Benzo(g,h,i)pe... | 1.101 | 1.106 | 1.167 | 1.147 | 1.294 | 1.242 | 1.212 | 1.181 | 6.07 |

(#) = Out of Range




Response = 2.207e-001 * Amt - 7.063e-002
Coef of Det (r^2) = 0.996311  Curve Fit: Linear
Method: C:\HPCHEM\1\DATA\20v\HPCHEM1\BNA P\Methods\8270E-BP051325.M
Calibration Table Last Updated: Tue May 13 16:21:39 2025




Response = 3.005e-001 * Amt - 6.362e-002
Coef of Det (r^2) = 0.991009  Curve Fit: Linear
Method: C:\HPCHEM\1\DATA\220v\HPCHEM1\BNA P\Methods\8270E-BP051325.M
Calibration Table Last Updated: Tue May 13 16:21:39 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024614.D
Acq On : 13 May 2025 10:41
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC2.5

Quant Time: May 13 16:01:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

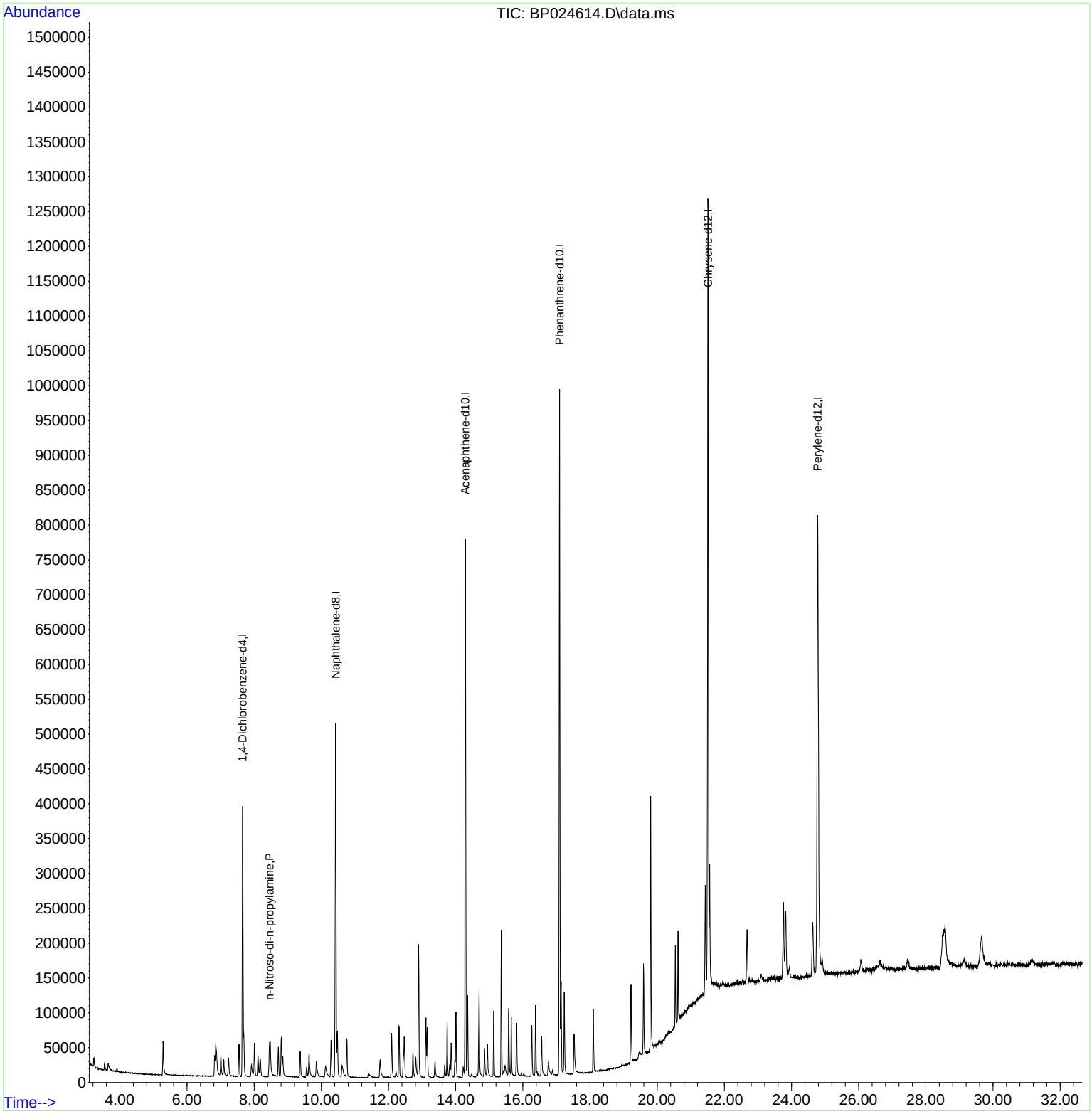
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.658 | 152 | 105461 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.428 | 136 | 434352 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.287 | 164 | 287970 | 20.00 | ng | -0.02 |
| 64) Phenanthrene-d10 | 17.092 | 188 | 596044 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.516 | 240 | 663028 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 24.780 | 264 | 769627 | 20.00 | ng | -0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 0.000 | 112 | 0d | 0.00 | ng | |
| 7) Phenol-d6 | 0.000 | 99 | 0d | 0.00 | ng | |
| 23) Nitrobenzene-d5 | 0.000 | 82 | 0d | 0.00 | ng | |
| 42) 2,4,6-Tribromophenol | 0.000 | 330 | 0d | 0.00 | ng | |
| 45) 2-Fluorobiphenyl | 0.000 | 172 | 0d | 0.00 | ng | |
| 79) Terphenyl-d14 | 0.000 | 244 | 0d | 0.00 | ng | |
| Target Compounds | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propyla... | 8.458 | 70 | 11601 | 2.13 | ng | 96 |

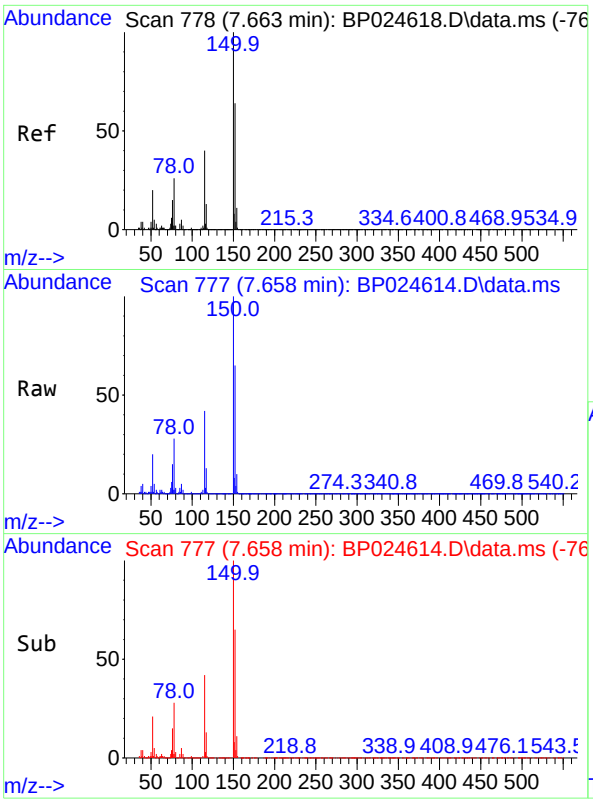
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024614.D
Acq On : 13 May 2025 10:41
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC2.5

Quant Time: May 13 16:01:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration



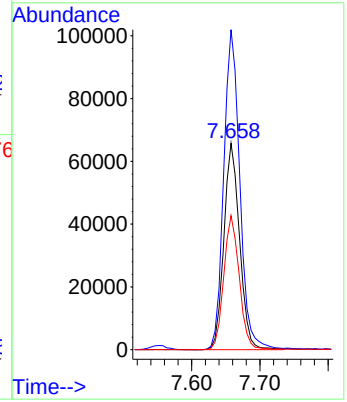


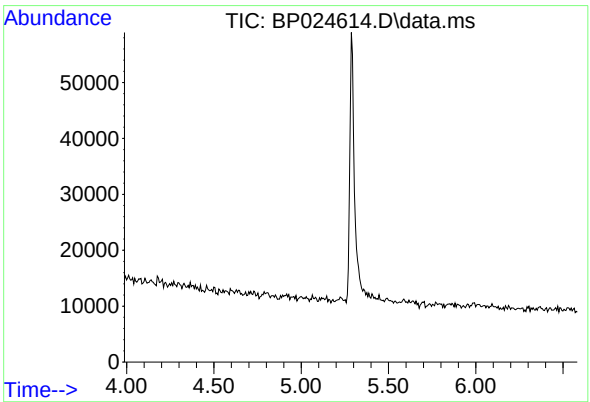

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.658 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024614.D
Acq: 13 May 2025 10:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC2.5

Tgt Ion:152 Resp: 105461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.0 | 125.9 | 188.9 |
| 115 | 65.0 | 50.1 | 75.1 |



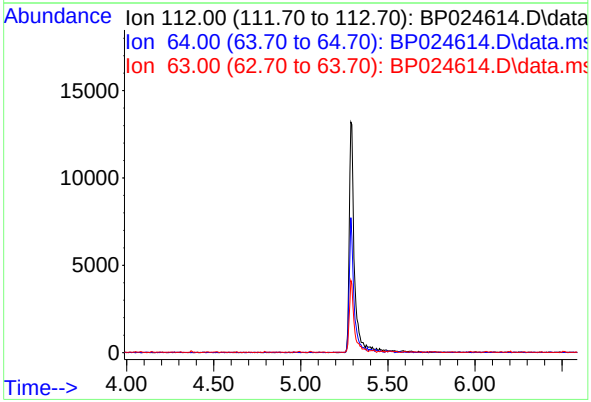



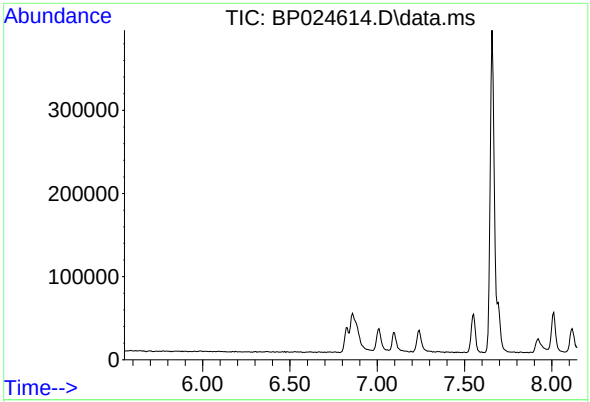

#5
2-Fluorophenol
Concen: 0.00 ng
Expected RT: 5.29 min

Lab File: BP024614.D
Acq: 13 May 2025 10:41

Tgt Ion: 112

| Sig | Exp Ratio |
|---|---|
| 112 | 100 |
| 64 | 55.1 |
| 63 | 29.4 |





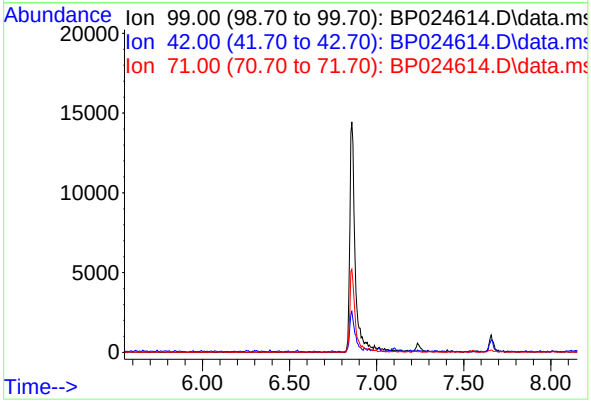

#7
Phenol-d6
Concen: 0.00 ng
Expected RT: 6.85 min

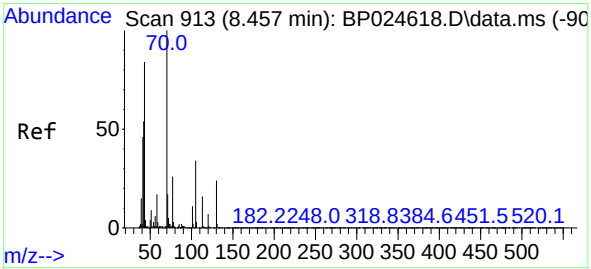
Lab File: BP024614.D
Acq: 13 May 2025 10:41

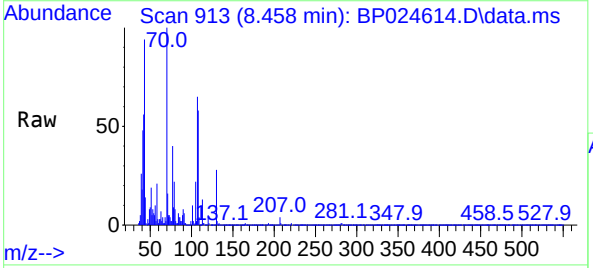
**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC2.5

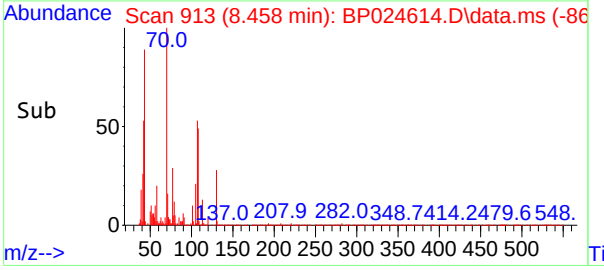
Tgt Ion: 99

| Sig | Exp Ratio |
|---|---|
| 99 | 100 |
| 42 | 18.0 |
| 71 | 36.5 |



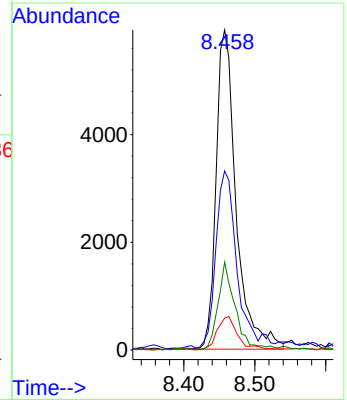



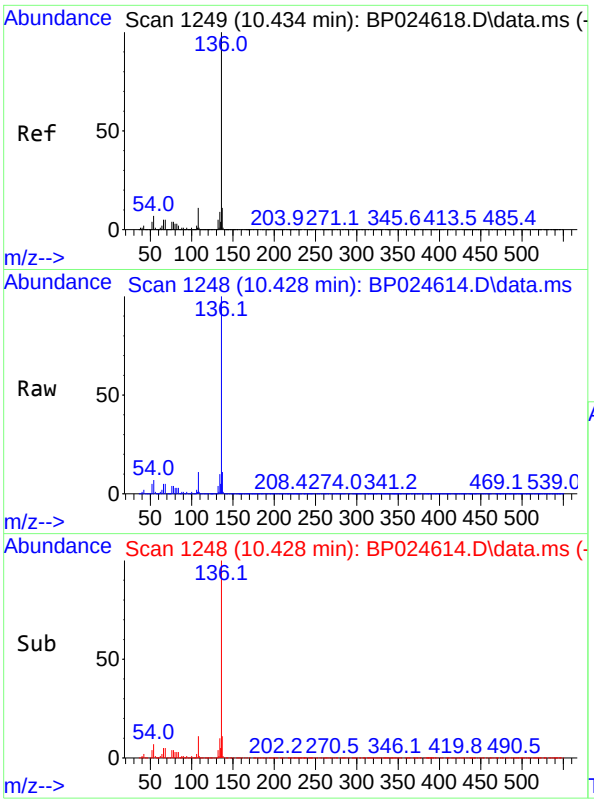




#19
n-Nitroso-di-n-propylamine
Concen: 2.13 ng
RT: 8.458 min Scan# 913
Delta R.T. 0.000 min
Lab File: BP024614.D
Acq: 13 May 2025 10:41

Tgt Ion: 70 Resp: 11601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 56.0 | 43.0 | 64.6 |
| 101 | 10.0 | 8.7 | 13.1 |
| 130 | 27.5 | 19.4 | 29.0 |



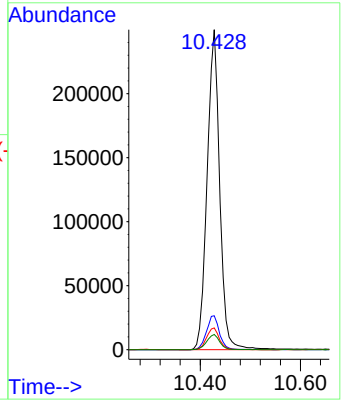


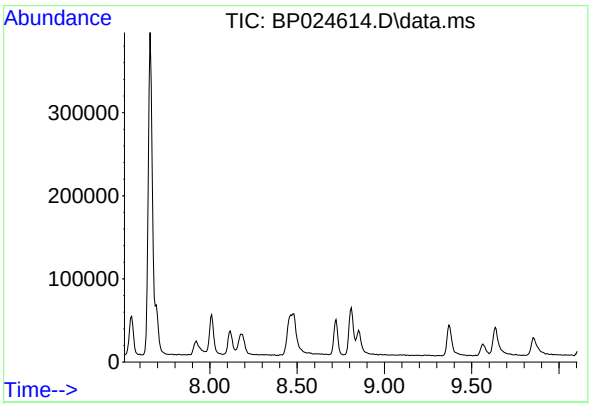

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024614.D
Acq: 13 May 2025 10:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC2.5

Tgt Ion:136 Resp: 434352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.8 | 13.2 |
| 54 | 6.8 | 5.5 | 8.3 |
| 68 | 4.7 | 4.2 | 6.2 |



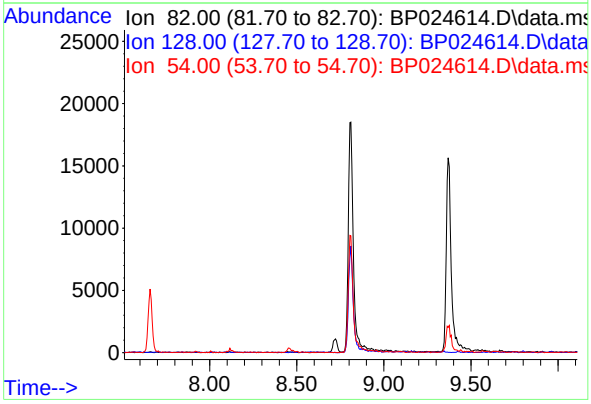



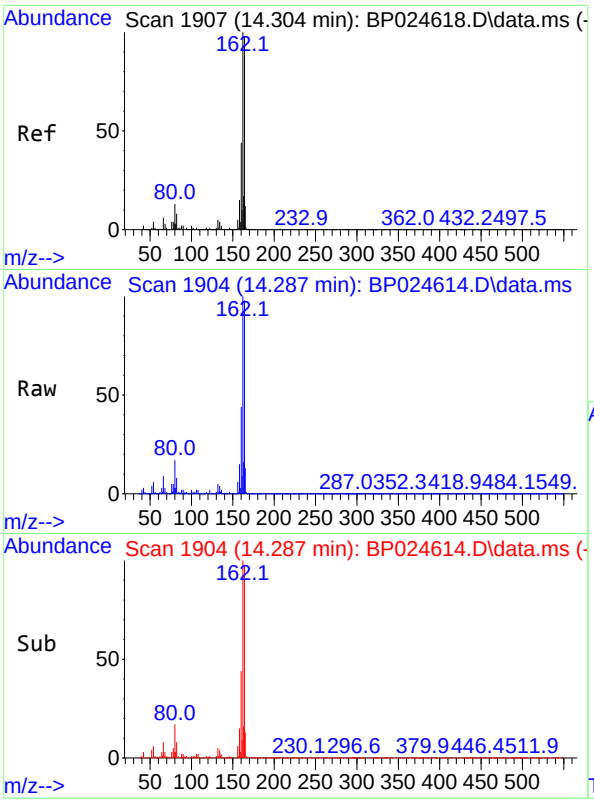

#23
Nitrobenzene-d5
Concen: 0.00 ng
Expected RT: 8.81 min

Lab File: BP024614.D
Acq: 13 May 2025 10:41

Tgt Ion: 82

| Sig | Exp Ratio |
|---|---|
| 82 | 100 |
| 128 | 46.2 |
| 54 | 48.4 |



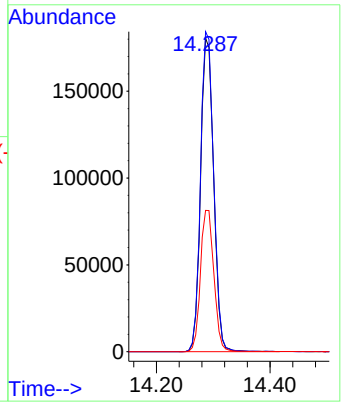


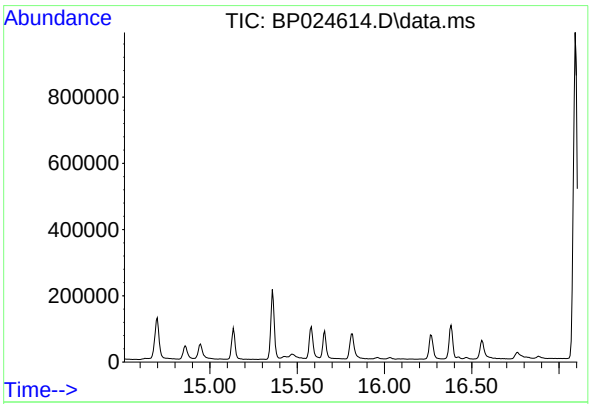

#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.287 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024614.D
Acq: 13 May 2025 10:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC2.5

Tgt Ion:164 Resp: 287970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.1 | 81.8 | 122.6 |
| 160 | 45.1 | 36.3 | 54.5 |



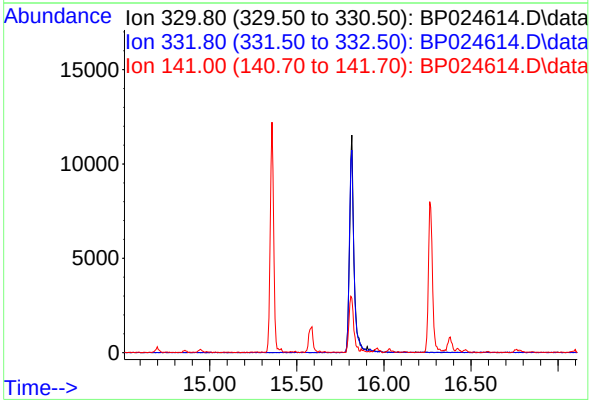



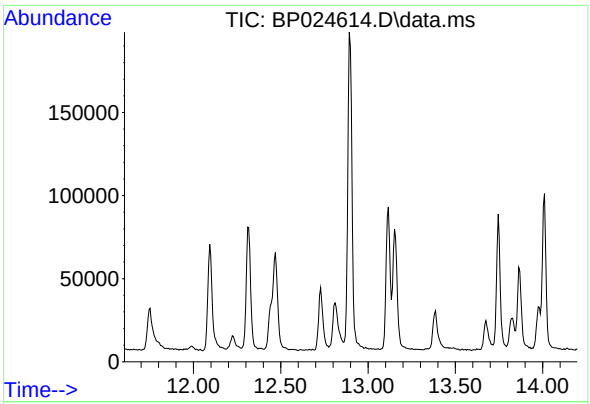

#42
2,4,6-Tribromophenol
Concen: 0.00 ng
Expected RT: 15.81 min

Lab File: BP024614.D
Acq: 13 May 2025 10:41

Tgt Ion: 330

| Sig | Exp Ratio |
|---|---|
| 330 | 100 |
| 332 | 97.8 |
| 141 | 30.4 |





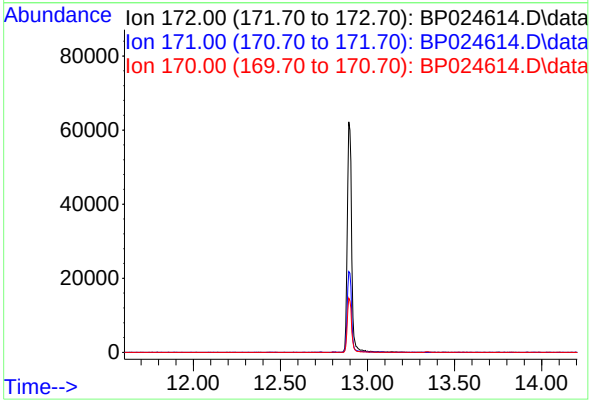

#45
2-Fluorobiphenyl
Concen: 0.00 ng
Expected RT: 12.90 min

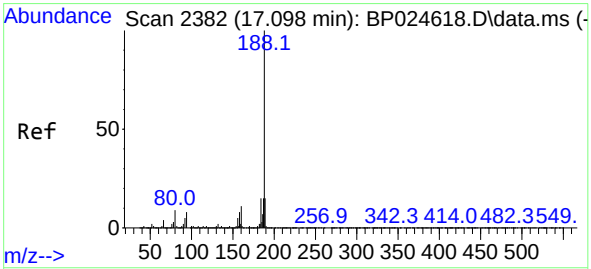
Lab File: BP024614.D
Acq: 13 May 2025 10:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC2.5

Tgt Ion: 172

| Sig | Exp Ratio |
|---|---|
| 172 | 100 |
| 171 | 36.0 |
| 170 | 23.5 |

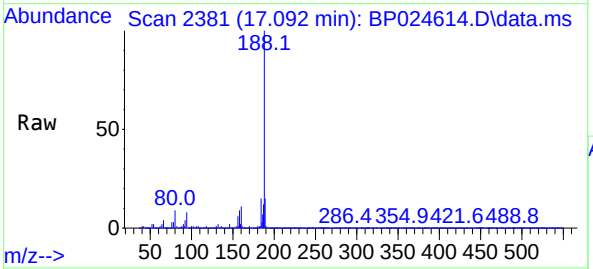


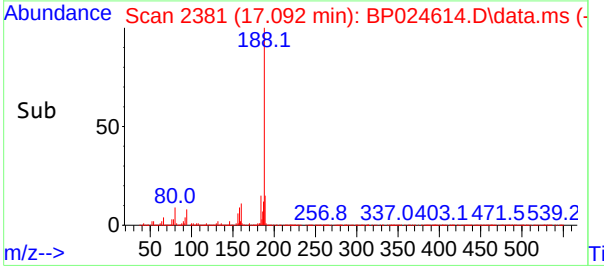



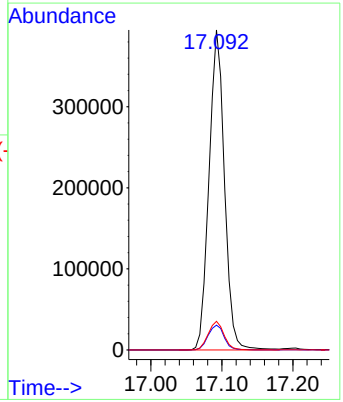

#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.092 min Scan# 2381
Delta R.T. -0.006 min
Lab File: BP024614.D
Acq: 13 May 2025 10:41

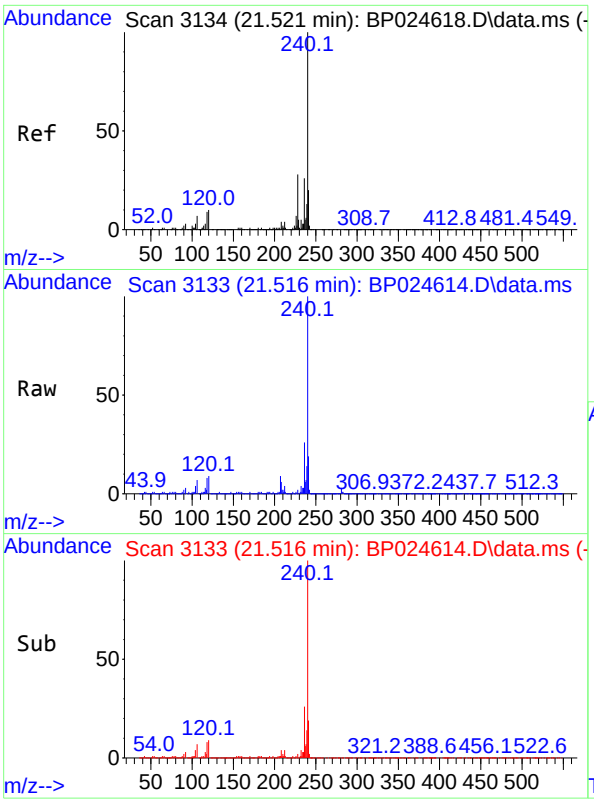
Tgt Ion:188 Resp: 596044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.7 | 6.5 | 9.7 |
| 80 | 8.9 | 7.3 | 10.9 |



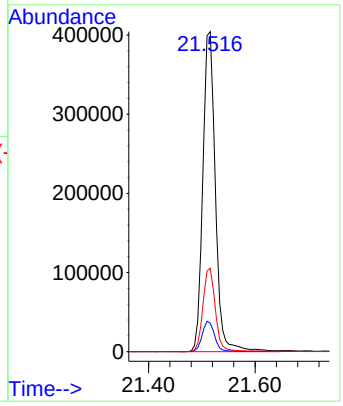


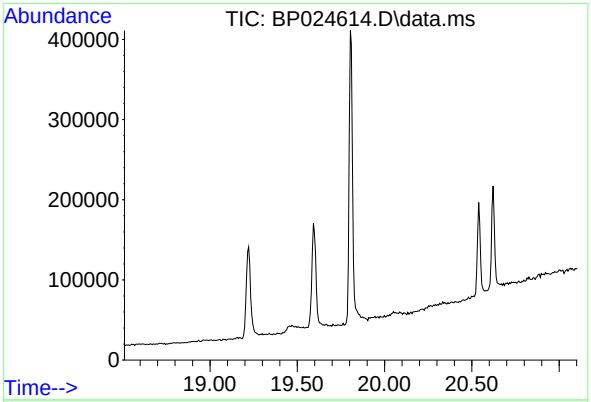

#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.516 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024614.D
Acq: 13 May 2025 10:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC2.5

Tgt Ion:240 Resp: 663028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.9 | 7.8 | 11.6 |
| 236 | 26.1 | 20.6 | 31.0 |



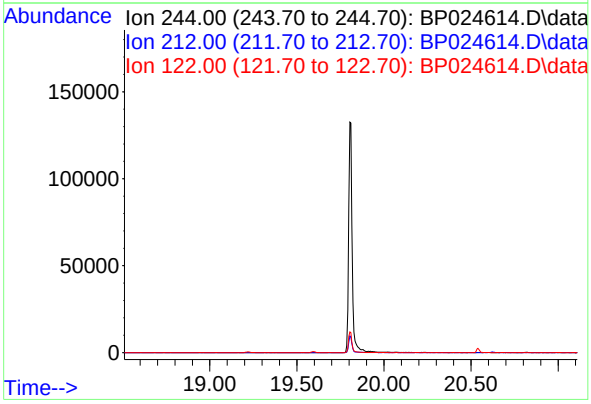



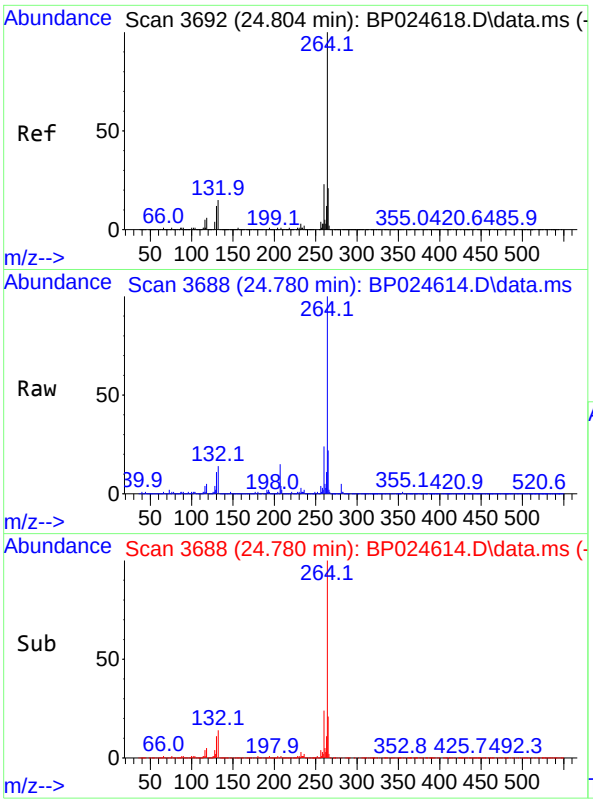

#79
Terphenyl-d14
Concen: 0.00 ng
Expected RT: 19.81 min

Lab File: BP024614.D
Acq: 13 May 2025 10:41

Tgt Ion: 244

| Sig | Exp Ratio |
|---|---|
| 244 | 100 |
| 212 | 6.9 |
| 122 | 9.2 |



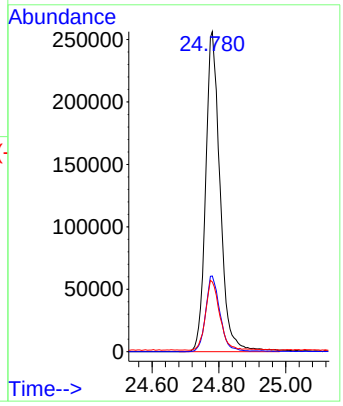



#86
Perylene-d12
Concen: 20.00 ng
RT: 24.780 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP024614.D
Acq: 13 May 2025 10:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC2.5

Tgt Ion:264 Resp: 769627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.7 | 18.7 | 28.1 |
| 265 | 21.8 | 17.0 | 25.6 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024615.D
Acq On : 13 May 2025 11:22
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.664 | 152 | 90088 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.434 | 136 | 378055 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.293 | 164 | 254561 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.092 | 188 | 531548 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.522 | 240 | 614288 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.810 | 264 | 724260 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.293 | 112 | 51093 | 9.70 | ng | | 0.00 |
| 7) Phenol-d6 | 6.858 | 99 | 58619 | 8.72 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.811 | 82 | 72056 | 9.63 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.810 | 330 | 41219 | 9.55 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.904 | 172 | 203719 | 10.48 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.822 | 244 | 366245 | 10.22 | ng | | 0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.228 | 88 | 14435 | 5.84 | ng | | 95 |
| 3) Pyridine | 3.646 | 79 | 23737 | 4.33 | ng | # | 91 |
| 4) n-Nitrosodimethylamine | 3.546 | 42 | 12080 | 4.99 | ng | # | 96 |
| 6) Aniline | 7.011 | 93 | 38664 | 4.45 | ng | | 97 |
| 8) 2-Chlorophenol | 7.240 | 128 | 27022 | 4.52 | ng | | 93 |
| 9) Benzaldehyde | 6.828 | 77 | 22328m | 5.14 | ng | | |
| 10) Phenol | 6.887 | 94 | 30912 | 4.46 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.099 | 93 | 29668 | 5.20 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.552 | 146 | 35946 | 5.23 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 7.699 | 146 | 35091 | 5.07 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 8.011 | 146 | 34458 | 5.11 | ng | | 99 |
| 15) Benzyl Alcohol | 7.917 | 79 | 19888 | 3.89 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.193 | 45 | 34754 | 5.09 | ng | | 95 |
| 17) 2-Methylphenol | 8.116 | 107 | 21754 | 4.37 | ng | | 97 |
| 18) Hexachloroethane | 8.728 | 117 | 13650 | 5.15 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 8.464 | 70 | 22015 | 4.73 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.452 | 107 | 27500 | 4.06 | ng | | 97 |
| 22) Acetophenone | 8.487 | 105 | 45968 | 4.87 | ng | # | 99 |
| 24) Nitrobenzene | 8.852 | 77 | 31500 | 4.78 | ng | | 97 |
| 25) Isophorone | 9.375 | 82 | 60855 | 4.69 | ng | | 98 |
| 26) 2-Nitrophenol | 9.569 | 139 | 12786 | 3.96 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 9.628 | 122 | 25830 | 4.54 | ng | | 92 |
| 28) bis(2-Chloroethoxy)met... | 9.858 | 93 | 38071 | 4.91 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.122 | 162 | 23623 | 4.29 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.299 | 180 | 32699 | 5.26 | ng | | 99 |
| 31) Naphthalene | 10.481 | 128 | 100564 | 5.13 | ng | | 100 |
| 33) 4-Chloroaniline | 10.616 | 127 | 32908 | 4.16 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.763 | 225 | 21834 | 5.43 | ng | | 95 |
| 35) Caprolactam | 11.399 | 113 | 7742m | 3.88 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.746 | 107 | 29849 | 4.44 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.099 | 142 | 63562 | 5.01 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.316 | 142 | 70043 | 5.16 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.469 | 216 | 37738 | 5.11 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.446 | 237 | 15939 | 3.56 | ng | | 93 |
| 43) 2,4,6-Trichlorophenol | 12.722 | 196 | 19429 | 4.06 | ng | | 92 |
| 44) 2,4,5-Trichlorophenol | 12.816 | 196 | 23918 | 4.49 | ng | | 93 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024615.D
Acq On : 13 May 2025 11:22
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 46) 1,1'-Biphenyl | 13.116 | 154 | 96956 | 5.15 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.157 | 162 | 72977 | 5.09 | ng | | 99 |
| 48) 2-Nitroaniline | 13.381 | 65 | 17778 | 4.19 | ng | | 98 |
| 49) Acenaphthylene | 14.010 | 152 | 117448 | 4.89 | ng | | 99 |
| 50) Dimethylphthalate | 13.751 | 163 | 99940 | 5.15 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.869 | 165 | 19052 | 4.65 | ng | # | 85 |
| 52) Acenaphthene | 14.357 | 154 | 70302 | 5.09 | ng | | 96 |
| 53) 3-Nitroaniline | 14.222 | 138 | 16400 | 3.92 | ng | | 97 |
| 55) Dibenzofuran | 14.698 | 168 | 115180 | 5.23 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 14.675 | 165 | 25481 | 4.41 | ng | | 92 |
| 58) Fluorene | 15.363 | 166 | 93303 | 5.20 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.946 | 232 | 23382 | 4.73 | ng | | 98 |
| 60) Diethylphthalate | 15.134 | 149 | 101366 | 5.17 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.357 | 204 | 47886 | 5.35 | ng | | 98 |
| 62) 4-Nitroaniline | 15.410 | 138 | 14482m | 3.55 | ng | | |
| 63) Azobenzene | 15.651 | 77 | 84462 | 5.03 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 15.575 | 169 | 80078 | 4.90 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.275 | 248 | 30702 | 4.90 | ng | | 97 |
| 68) Hexachlorobenzene | 16.387 | 284 | 40234 | 5.06 | ng | | 99 |
| 69) Atrazine | 16.551 | 200 | 27909 | 4.66 | ng | | 98 |
| 70) Pentachlorophenol | 16.757 | 266 | 16456 | 3.68 | ng | | 95 |
| 71) Phenanthrene | 17.134 | 178 | 152030 | 5.14 | ng | | 99 |
| 72) Anthracene | 17.234 | 178 | 145809 | 4.90 | ng | | 99 |
| 73) Carbazole | 17.522 | 167 | 122666 | 4.56 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.104 | 149 | 157014 | 4.54 | ng | | 99 |
| 75) Fluoranthene | 19.228 | 202 | 168865 | 4.89 | ng | | 99 |
| 78) Pyrene | 19.604 | 202 | 181817 | 4.94 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.551 | 149 | 70341 | 4.30 | ng | | 100 |
| 81) Benzo(a)anthracene | 21.498 | 228 | 192110 | 4.98 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.445 | 252 | 54793 | 3.82 | ng | | 99 |
| 83) Chrysene | 21.575 | 228 | 186449 | 5.10 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.445 | 149 | 103286 | 4.29 | ng | | 97 |
| 85) Di-n-octyl phthalate | 22.692 | 149 | 160883 | 4.09 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.504 | 276 | 242814 | 4.59 | ng | # | 87 |
| 88) Benzo(b)fluoranthene | 23.763 | 252 | 186058 | 4.49 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 23.839 | 252 | 207645 | 4.86 | ng | | 100 |
| 90) Benzo(a)pyrene | 24.657 | 252 | 180157 | 4.52 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.586 | 278 | 193373 | 4.50 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 29.651 | 276 | 199361 | 4.66 | ng | | 98 |

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

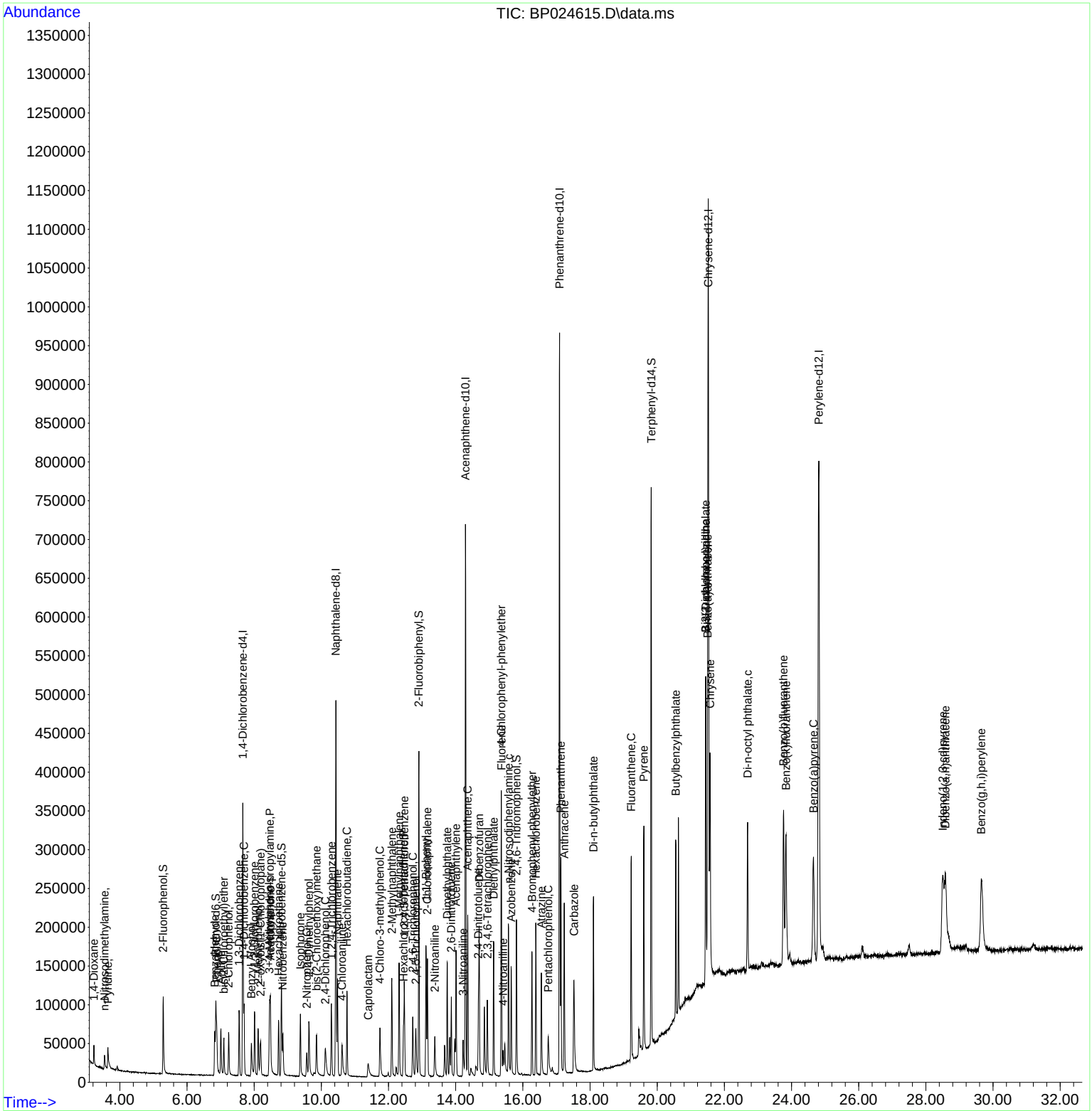
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024615.D
Acq On : 13 May 2025 11:22
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

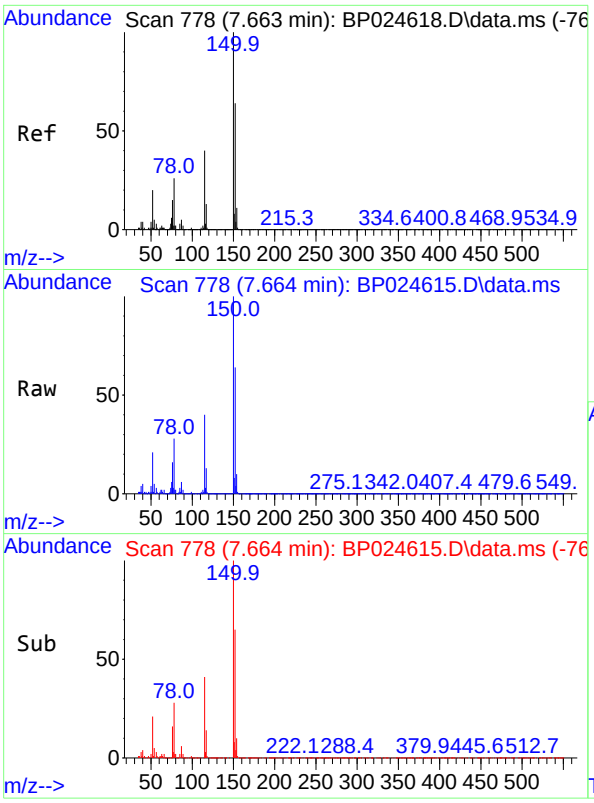
Quant Time: May 13 16:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

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

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

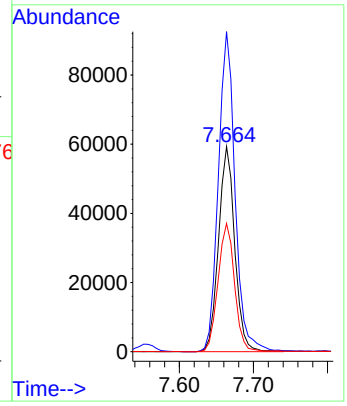





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.664 min Scan# 7
Delta R.T. 0.001 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:152 Resp: 9008

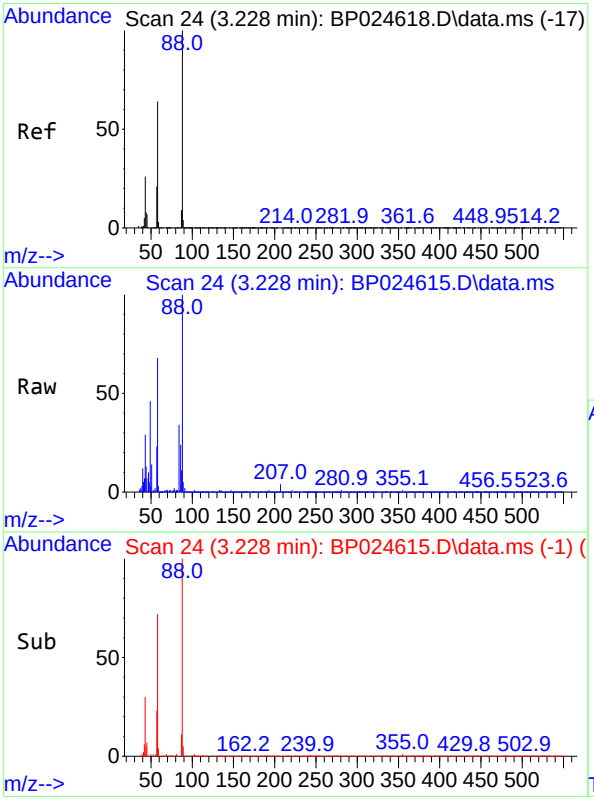
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.0 | 125.9 | 188.9 |
| 115 | 62.5 | 50.1 | 75.1 |




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

**Manual Integrations**
**APPROVED**

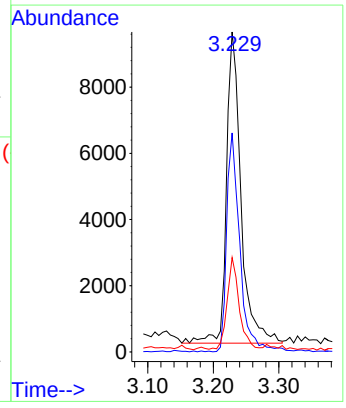
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

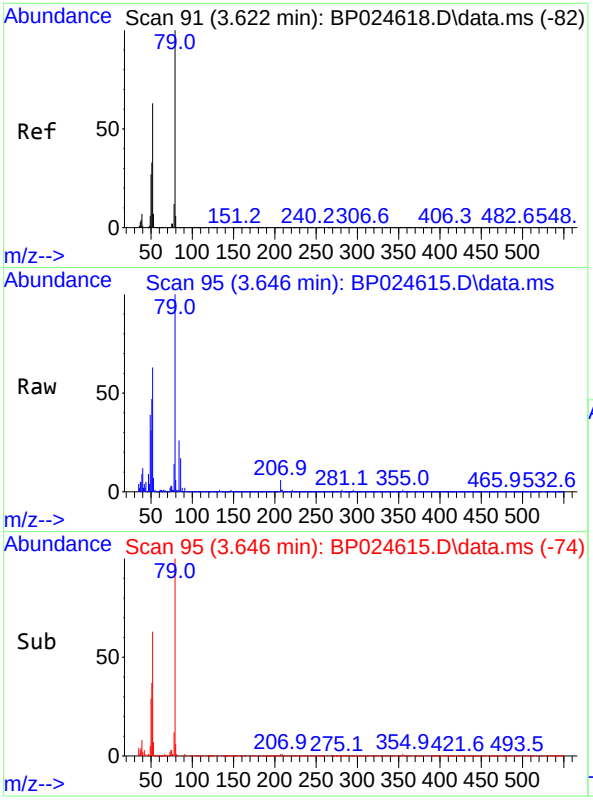



#2
1,4-Dioxane
Concen: 5.84 ng
RT: 3.228 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 88 Resp: 14435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 63.6 | 54.0 | 81.0 |
| 43 | 24.2 | 21.4 | 32.0 |

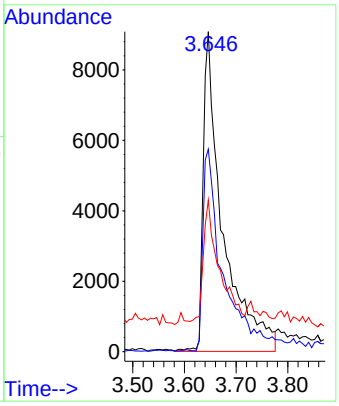





#3
Pyridine
Concen: 4.33 ng
RT: 3.646 min Scan# 9
Delta R.T. 0.024 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 79 Resp: 2373

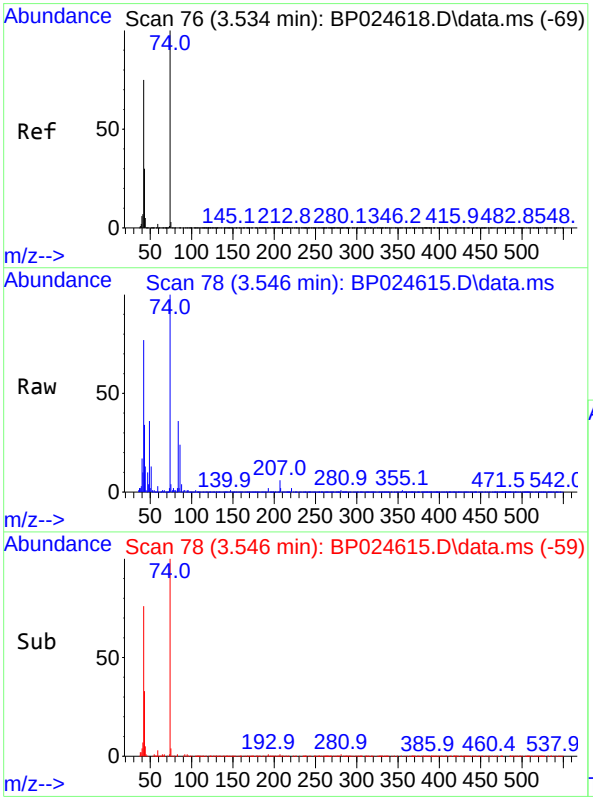
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 63.2 | 50.2 | 75.2 |
| 51 | 47.4 | 26.8 | 40.2# |




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

**Manual Integrations APPROVED**

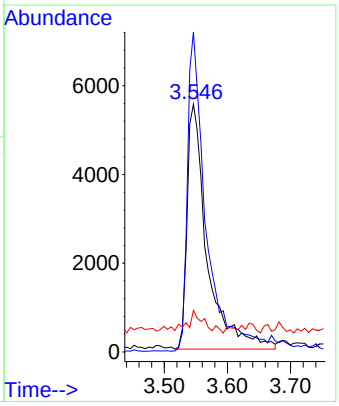
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

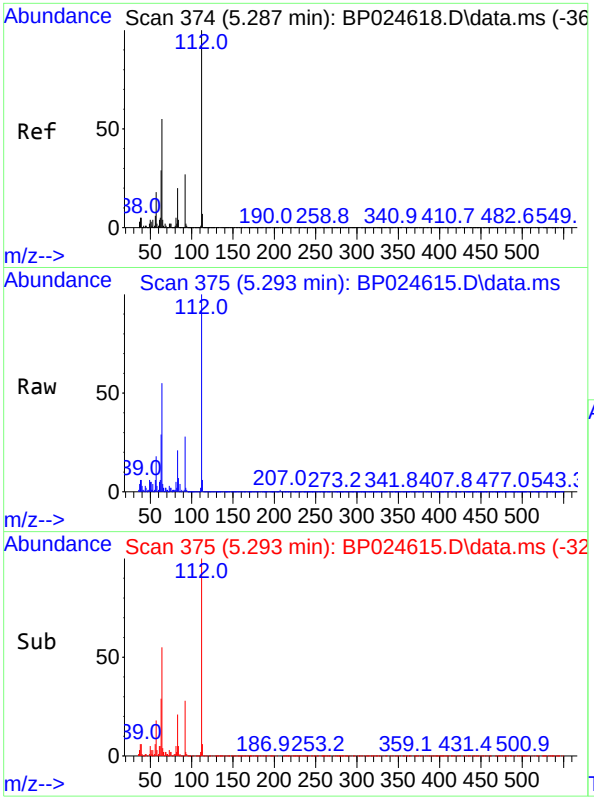



#4
n-Nitrosodimethylamine
Concen: 4.99 ng
RT: 3.546 min Scan# 78
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 42 Resp: 12080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 129.2 | 106.2 | 159.2 |
| 44 | 16.9 | 5.4 | 8.2# |






#5
2-Fluorophenol
Concen: 9.70 ng
RT: 5.293 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

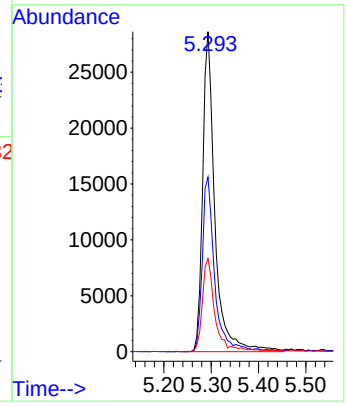
Tgt Ion:112 Resp: 5109

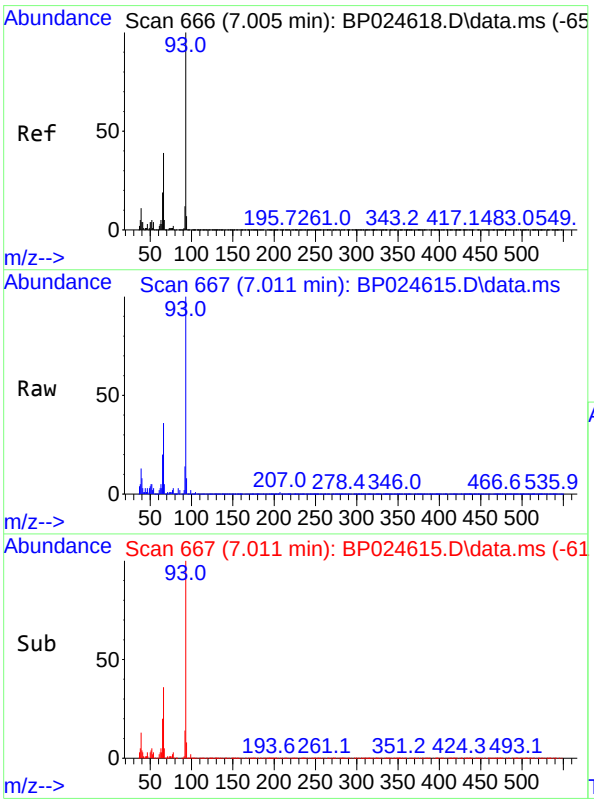
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.6 | 44.1 | 66.1 |
| 63 | 29.1 | 23.5 | 35.3 |

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

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

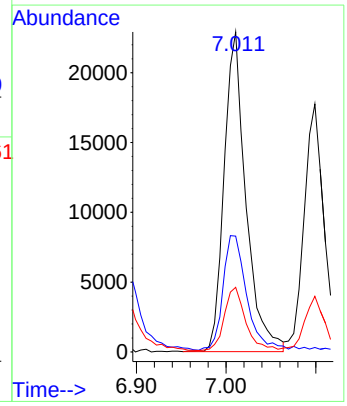


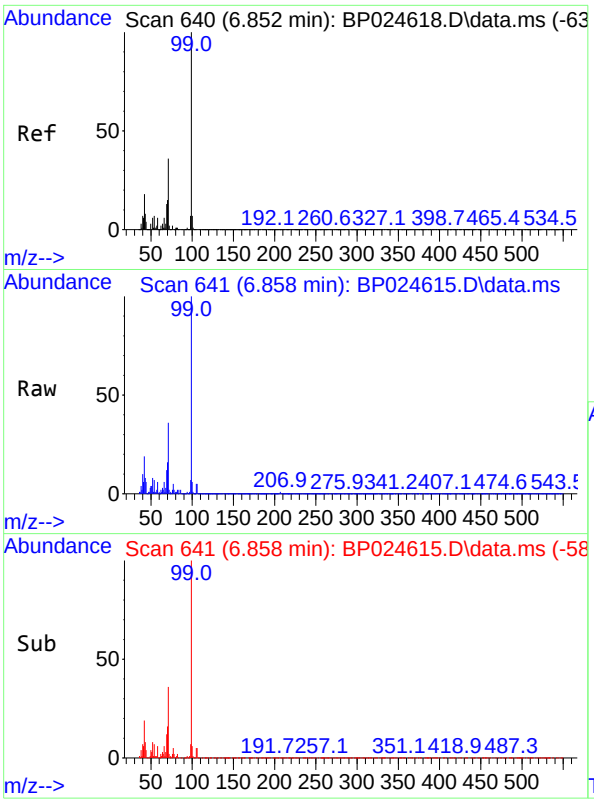




#6
Aniline
Concen: 4.45 ng
RT: 7.011 min Scan# 667
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 93 Resp: 38664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 36.2 | 31.0 | 46.6 |
| 65 | 20.2 | 15.5 | 23.3 |

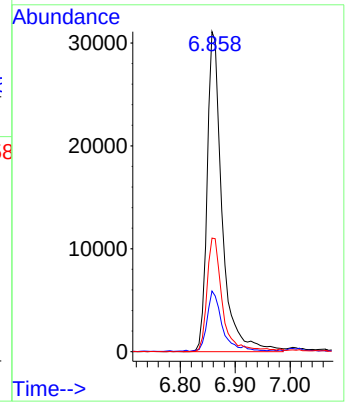





#7
Phenol-d6
Concen: 8.72 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 99 Resp: 5861

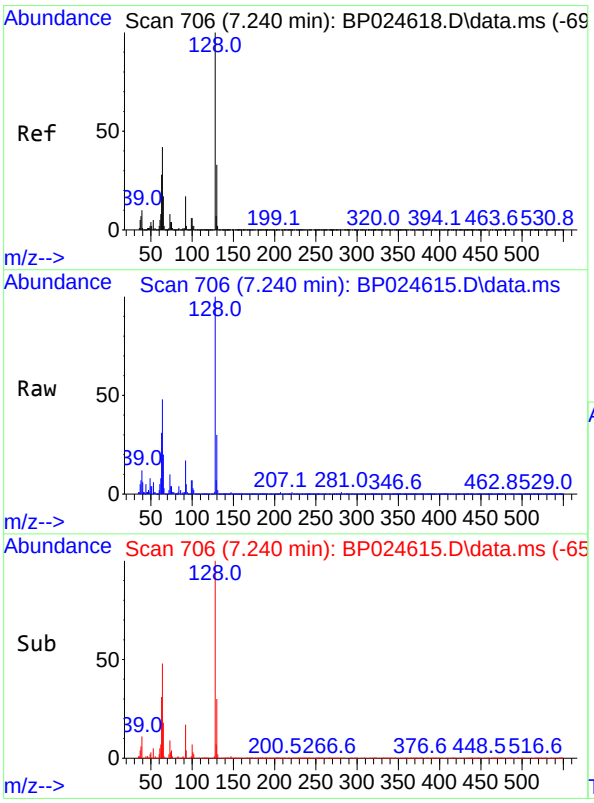
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.9 | 14.4 | 21.6 |
| 71 | 35.5 | 29.2 | 43.8 |




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

**Manual Integrations APPROVED**

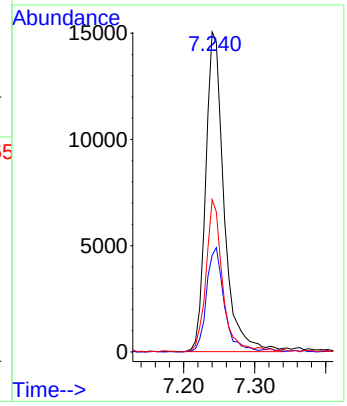
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

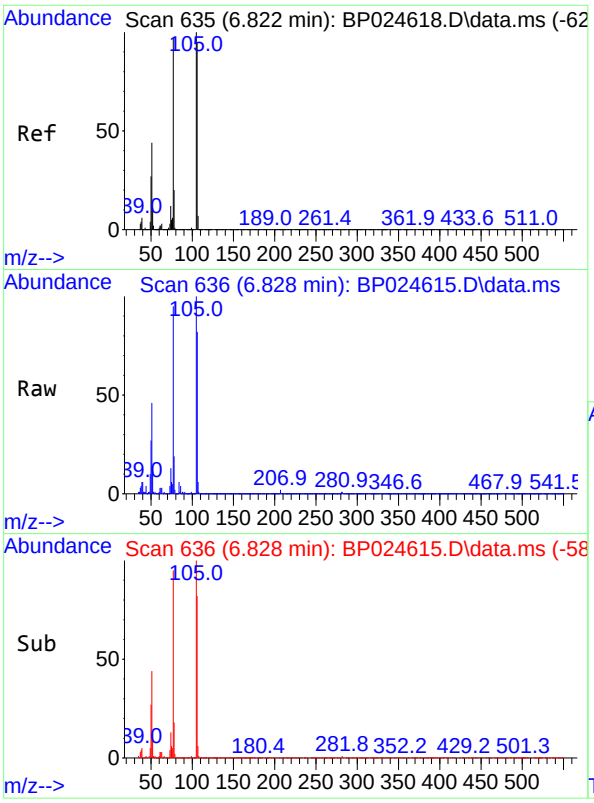



#8
2-Chlorophenol
Concen: 4.52 ng
RT: 7.240 min Scan# 706
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:128 Resp: 27022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 30.3 | 13.0 | 53.0 |
| 64 | 47.6 | 22.3 | 62.3 |

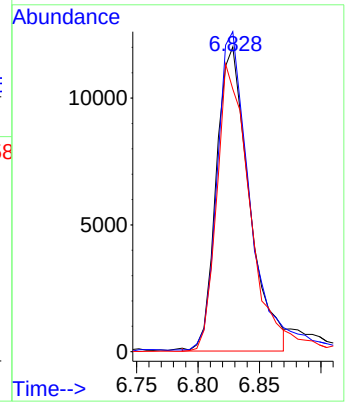





#9
Benzaldehyde
Concen: 5.14 ng m
RT: 6.828 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 77 Resp: 2232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 105.0 | 83.3 | 123.3 |
| 106 | 86.1 | 78.0 | 118.0 |




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

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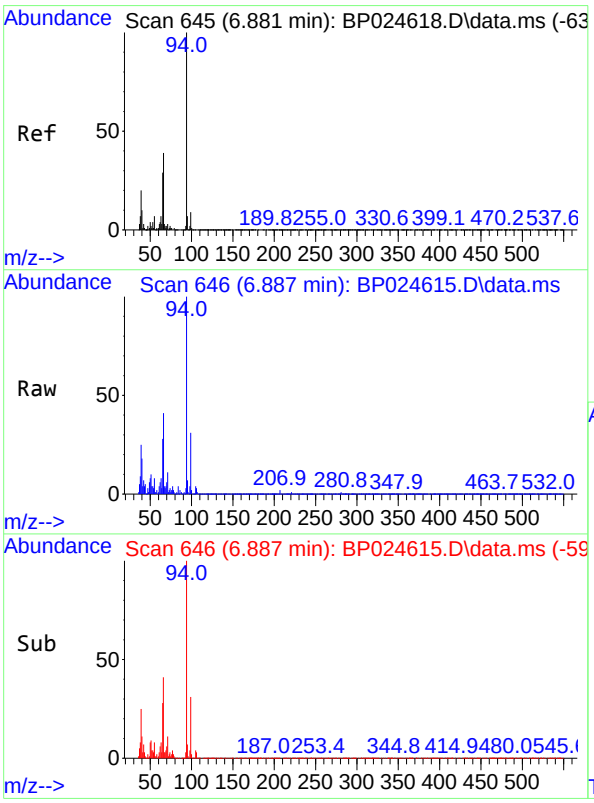
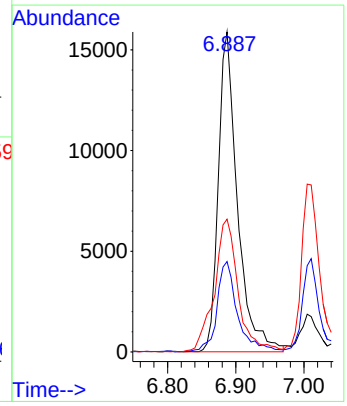
Supervised By :Jagrut Upadhyay 05/14/2025

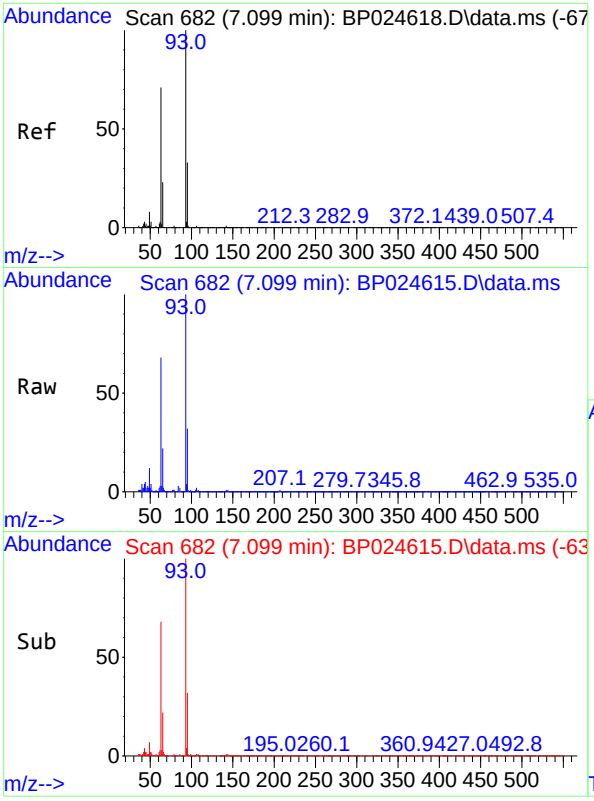



#10
Phenol
Concen: 4.46 ng
RT: 6.887 min Scan# 646
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 94 Resp: 30912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.2 | 8.7 | 48.7 |
| 66 | 41.5 | 19.4 | 59.4 |

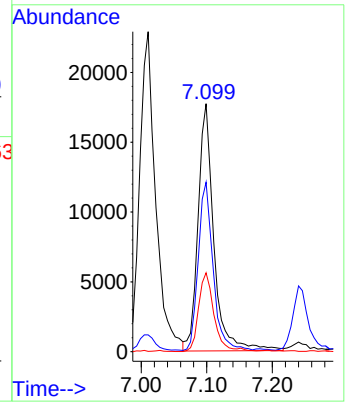





#11
bis(2-Chloroethyl)ether
Concen: 5.20 ng
RT: 7.099 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 93 Resp: 2966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 68.3 | 50.6 | 90.6 |
| 95 | 31.8 | 12.9 | 52.9 |




**Instrument :**
BNA_P
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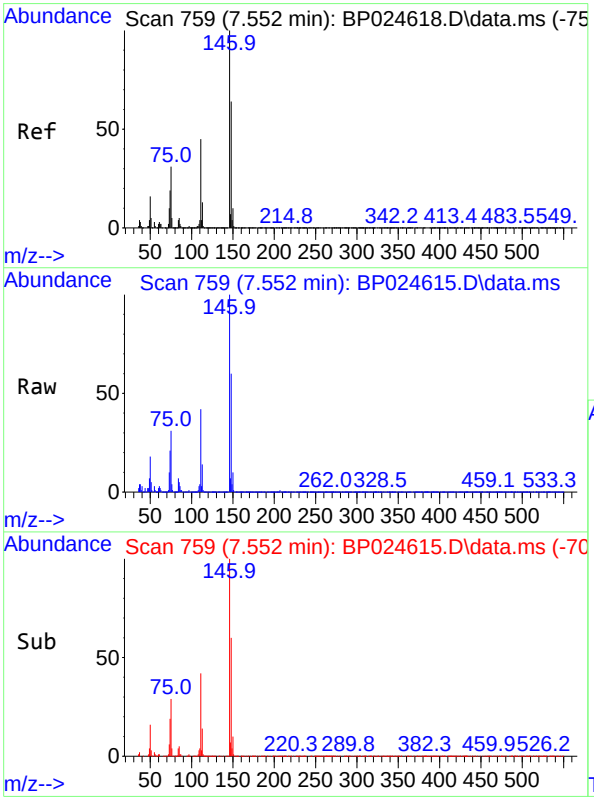
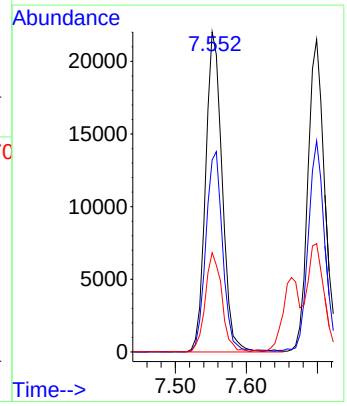
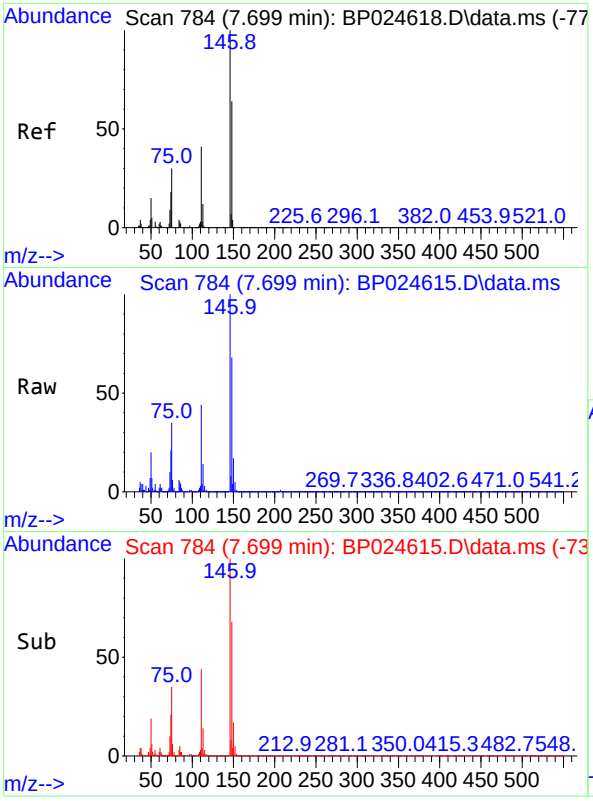



#12
1,3-Dichlorobenzene
Concen: 5.23 ng
RT: 7.552 min Scan# 759
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:146 Resp: 35946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 60.0 | 51.4 | 77.2 |
| 75 | 31.0 | 25.2 | 37.8 |

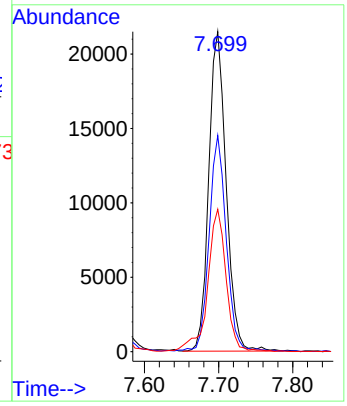





#13
1,4-Dichlorobenzene
Concen: 5.07 ng
RT: 7.699 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:146 Resp: 3509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 67.6 | 51.0 | 76.6 |
| 111 | 44.5 | 33.0 | 49.6 |




**Instrument :**
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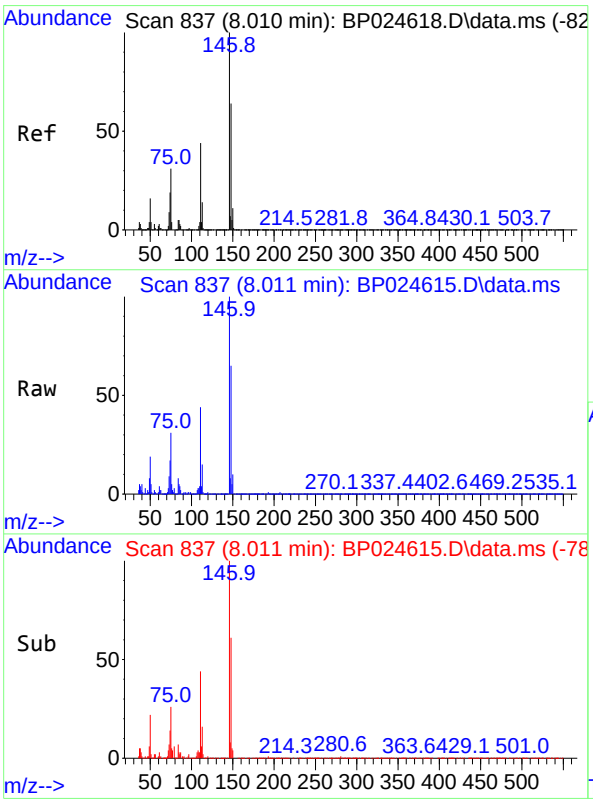
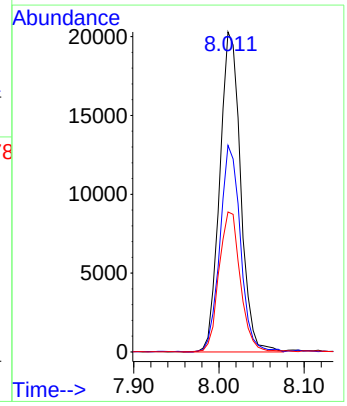
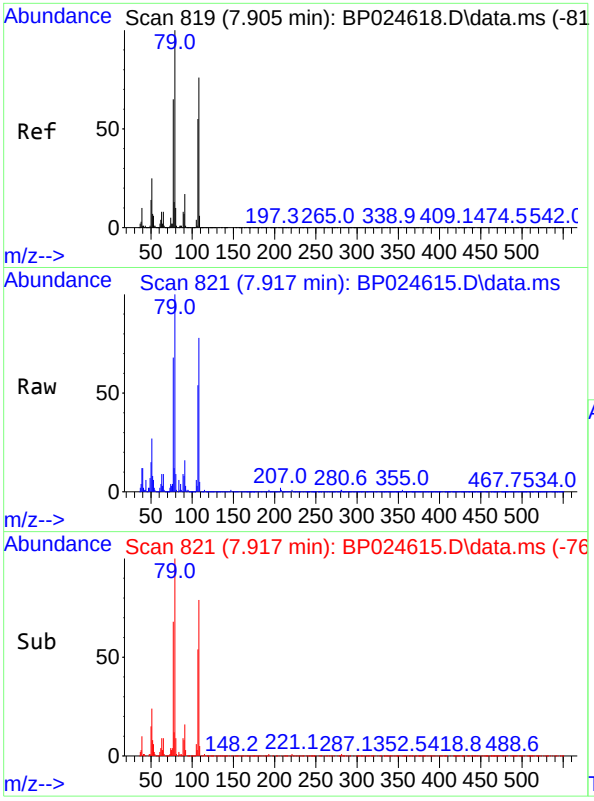



#14
1,2-Dichlorobenzene
Concen: 5.11 ng
RT: 8.011 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:146 Resp: 34458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.6 | 51.0 | 76.4 |
| 111 | 43.7 | 35.2 | 52.8 |

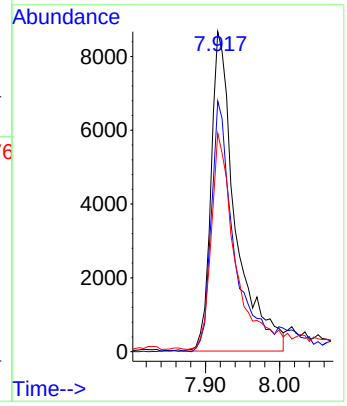





#15
Benzyl Alcohol
Concen: 3.89 ng
RT: 7.917 min Scan# 8
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 79 Resp: 1988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 78.3 | 60.8 | 91.2 |
| 77 | 68.2 | 51.9 | 77.9 |




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

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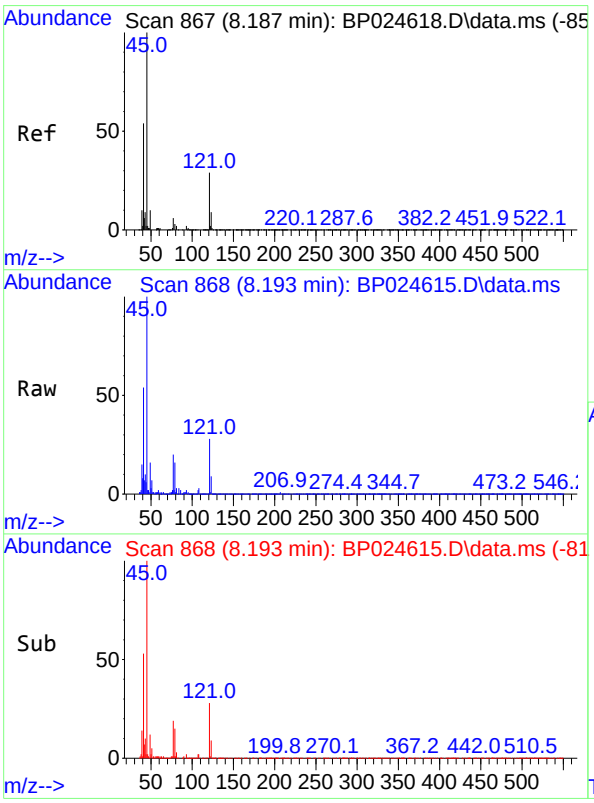
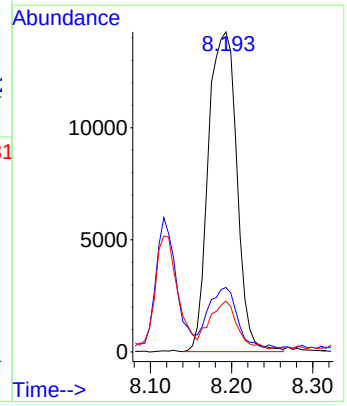
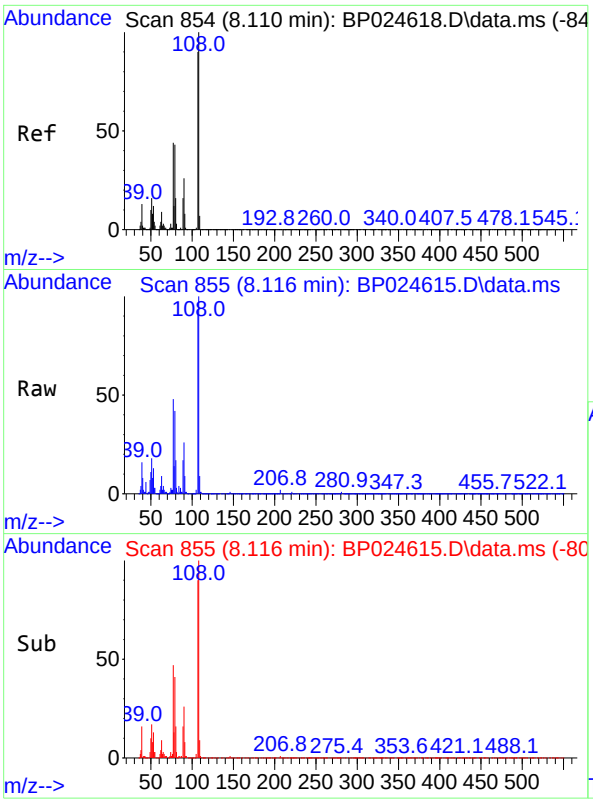



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.09 ng
RT: 8.193 min Scan# 868
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 45 Resp: 34754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 20.2 | 0.0 | 37.7 |
| 79 | 15.9 | 0.0 | 34.0 |

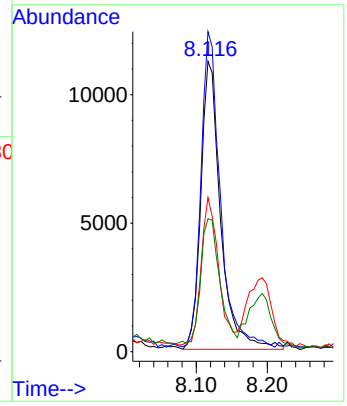





#17
2-Methylphenol
Concen: 4.37 ng
RT: 8.116 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:107 Resp: 2175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 110.2 | 88.9 | 133.3 |
| 77 | 53.0 | 39.0 | 58.6 |
| 79 | 45.8 | 38.4 | 57.6 |




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

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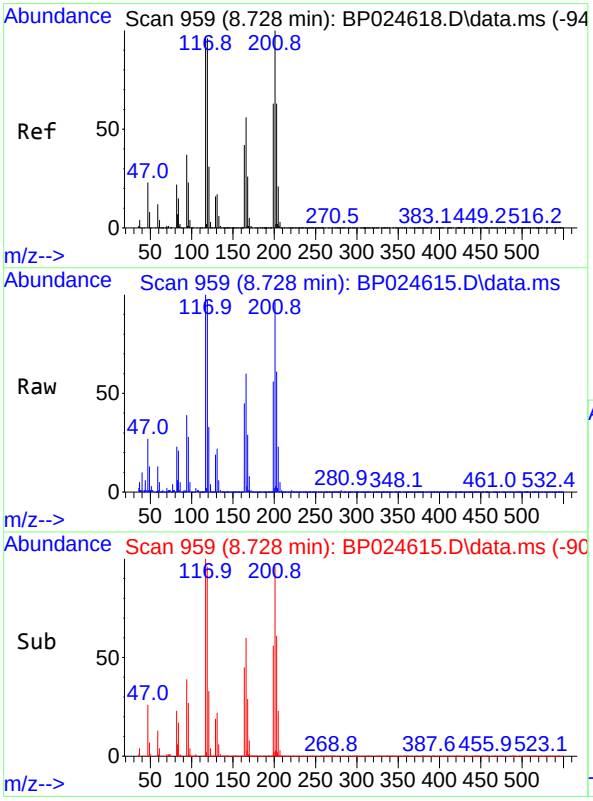
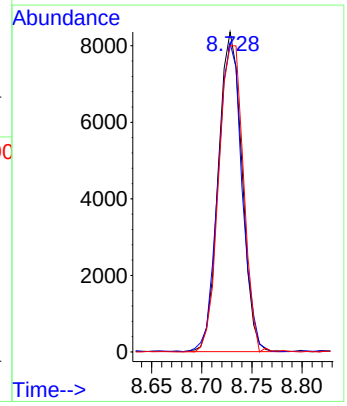
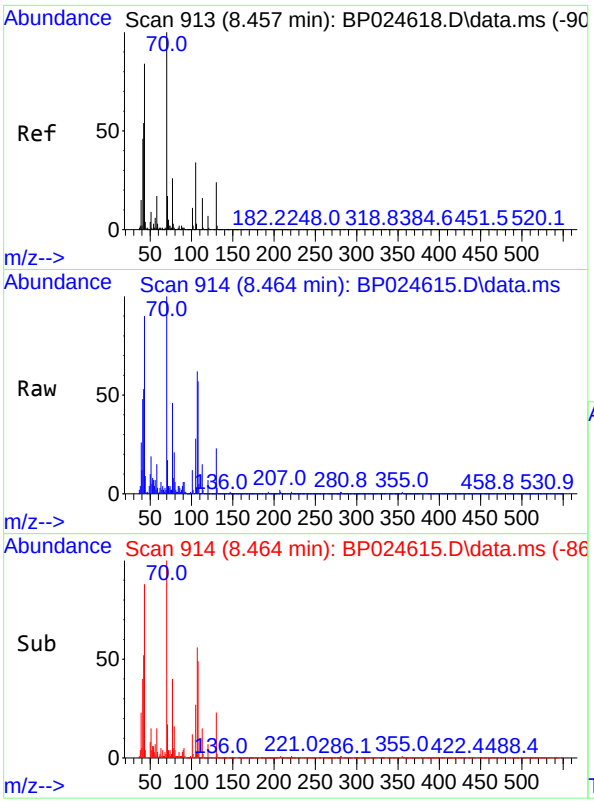



#18
Hexachloroethane
Concen: 5.15 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:117 Resp: 13650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.6 | 79.4 | 119.0 |
| 201 | 98.3 | 82.7 | 124.1 |

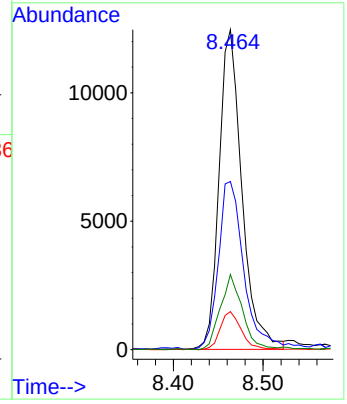





#19
n-Nitroso-di-n-propylamine
Concen: 4.73 ng
RT: 8.464 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 70 Resp: 2201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 52.6 | 43.0 | 64.6 |
| 101 | 11.9 | 8.7 | 13.1 |
| 130 | 23.5 | 19.4 | 29.0 |




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

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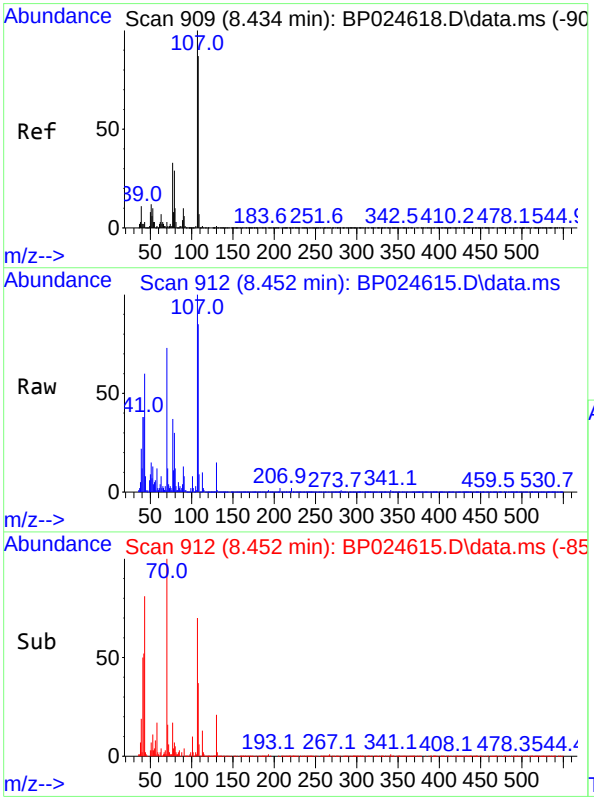
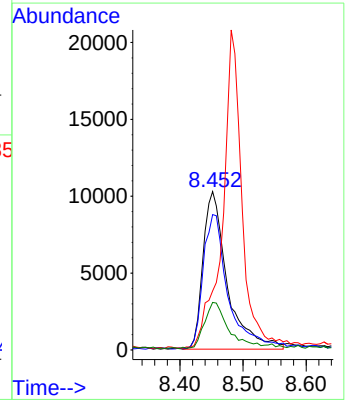
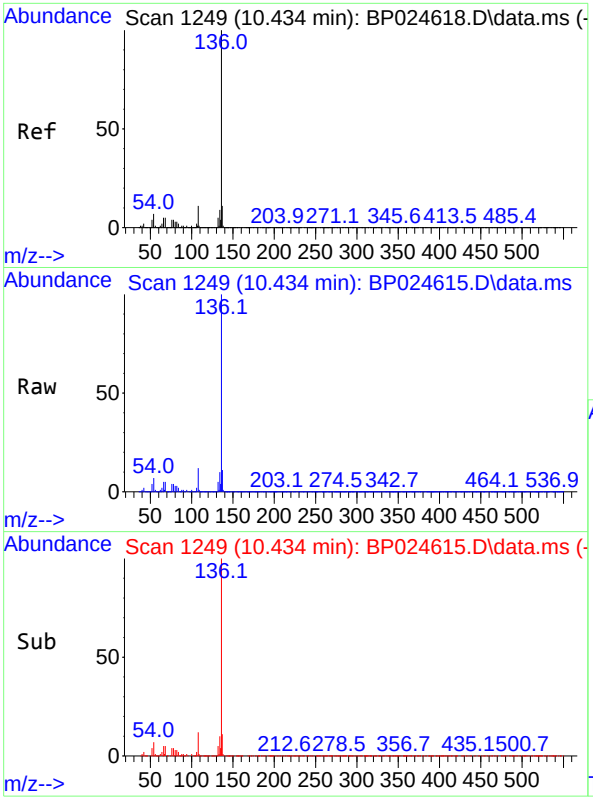



#20
3+4-Methylphenols
Concen: 4.06 ng
RT: 8.452 min Scan# 912
Delta R.T. 0.018 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:107 Resp: 27500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 85.4 | 66.7 | 106.7 |
| 77 | 37.3 | 13.1 | 53.1 |
| 79 | 29.9 | 8.9 | 48.9 |

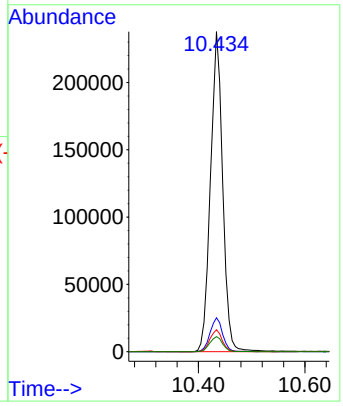





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:136 Resp: 37805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.8 | 13.2 |
| 54 | 6.8 | 5.5 | 8.3 |
| 68 | 4.7 | 4.2 | 6.2 |




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

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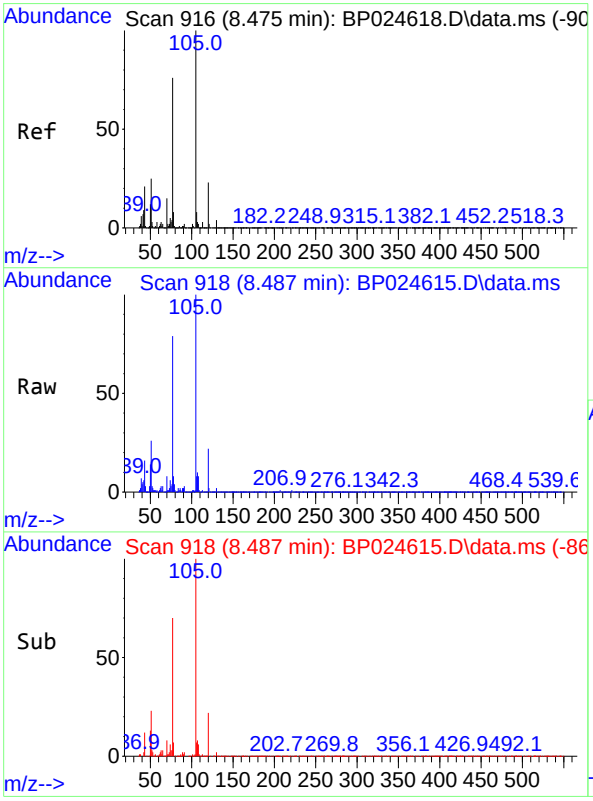
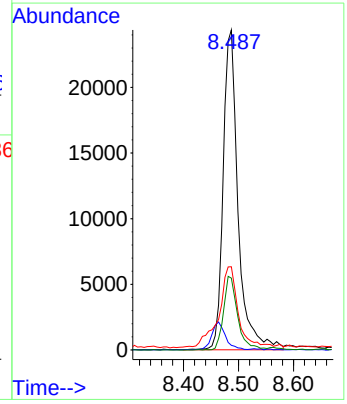
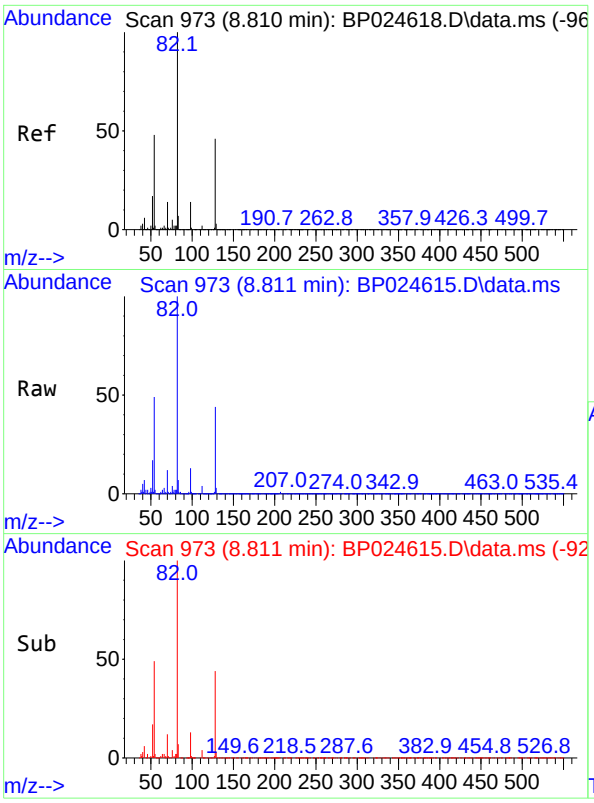



#22
Acetophenone
Concen: 4.87 ng
RT: 8.487 min Scan# 918
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:105 Resp: 45968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 1.4 | 2.0 | 3.0# |
| 51 | 26.0 | 20.4 | 30.6 |
| 120 | 22.4 | 18.1 | 27.1 |

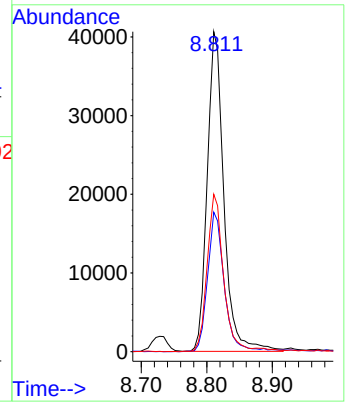





#23
Nitrobenzene-d5
Concen: 9.63 ng
RT: 8.811 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 82 Resp: 7205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.6 | 37.0 | 55.4 |
| 54 | 49.2 | 38.7 | 58.1 |




**Instrument :**
BNA_P
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SSTDICC005

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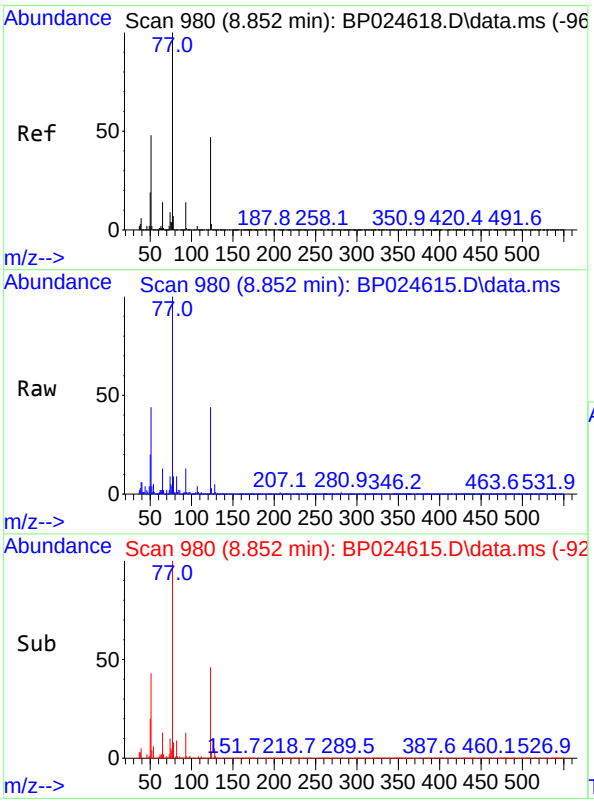
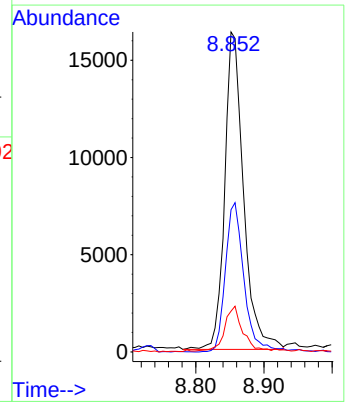
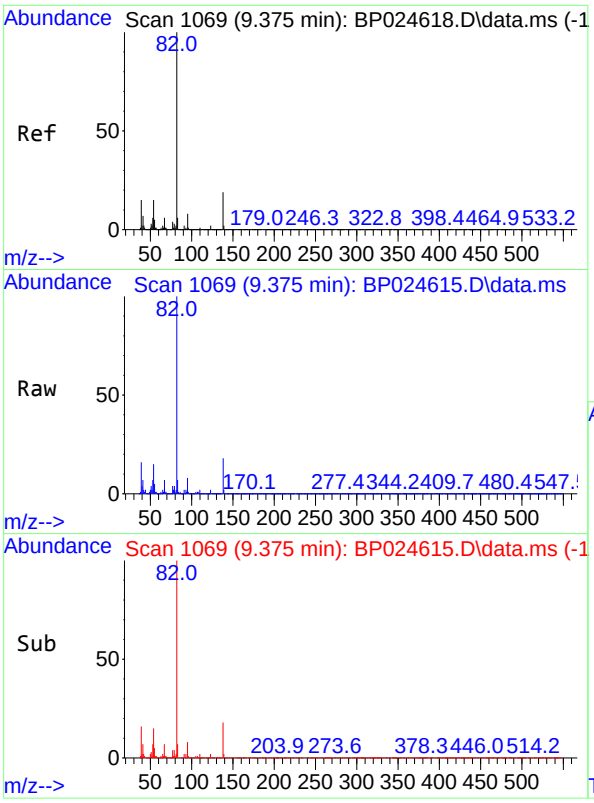



#24
Nitrobenzene
Concen: 4.78 ng
RT: 8.852 min Scan# 980
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 77 Resp: 31500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 44.5 | 37.4 | 56.0 |
| 65 | 12.7 | 11.3 | 16.9 |

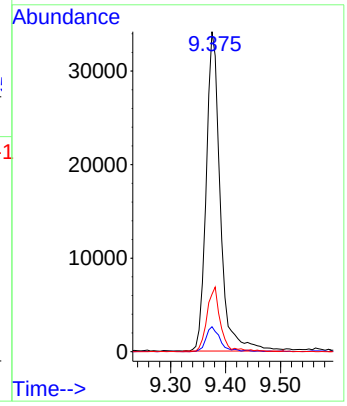





#25
Isophorone
Concen: 4.69 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 82 Resp: 6085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.8 | 6.3 | 9.5 |
| 138 | 17.9 | 15.3 | 22.9 |




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

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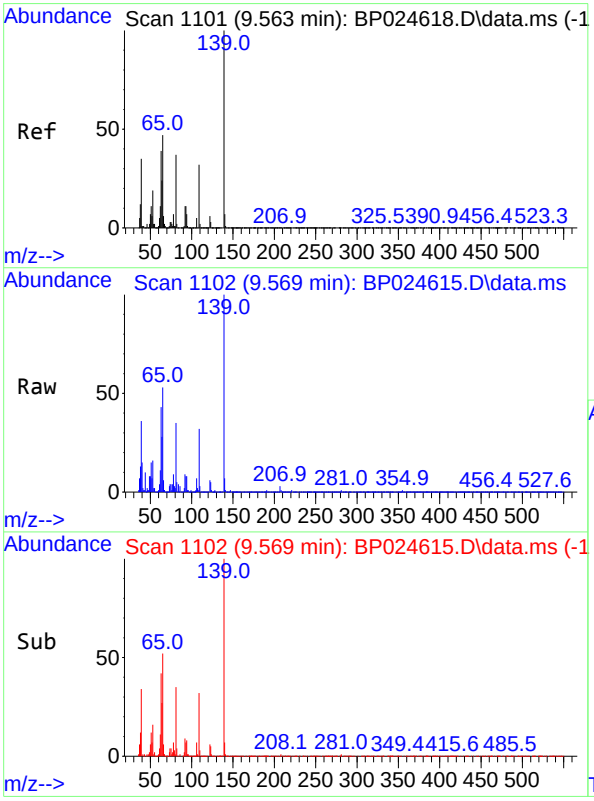
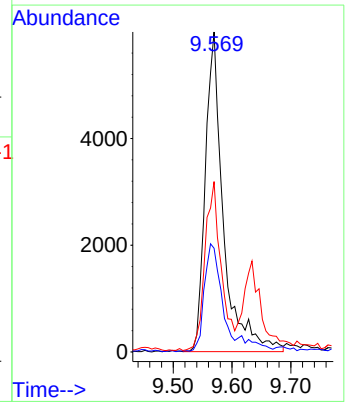
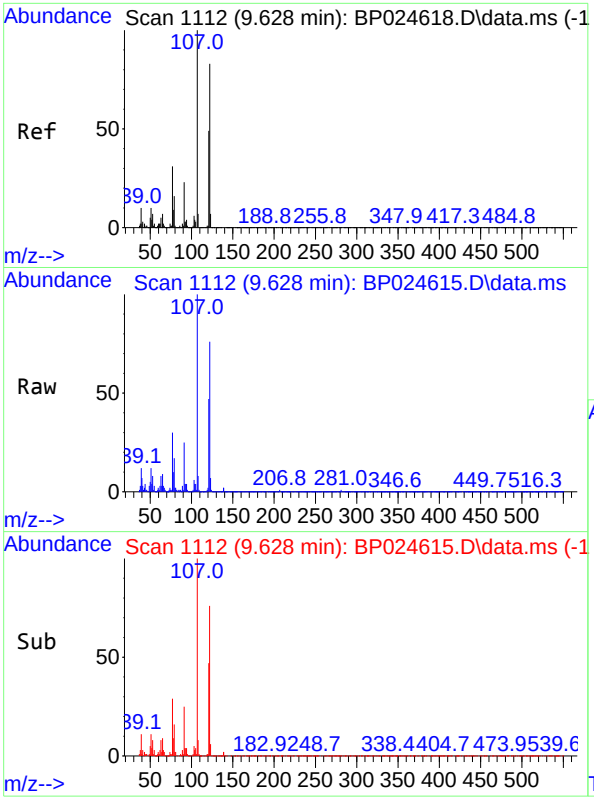



#26
2-Nitrophenol
Concen: 3.96 ng
RT: 9.569 min Scan# 1102
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:139 Resp: 12786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.4 | 25.9 | 38.9 |
| 65 | 53.2 | 37.9 | 56.9 |

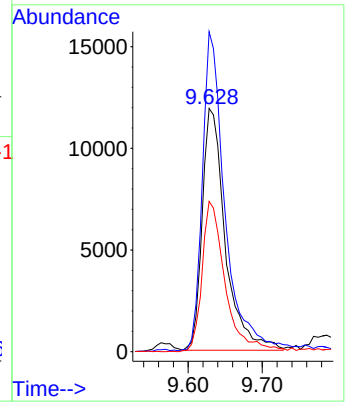





#27
2,4-Dimethylphenol
Concen: 4.54 ng
RT: 9.628 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:122 Resp: 2583

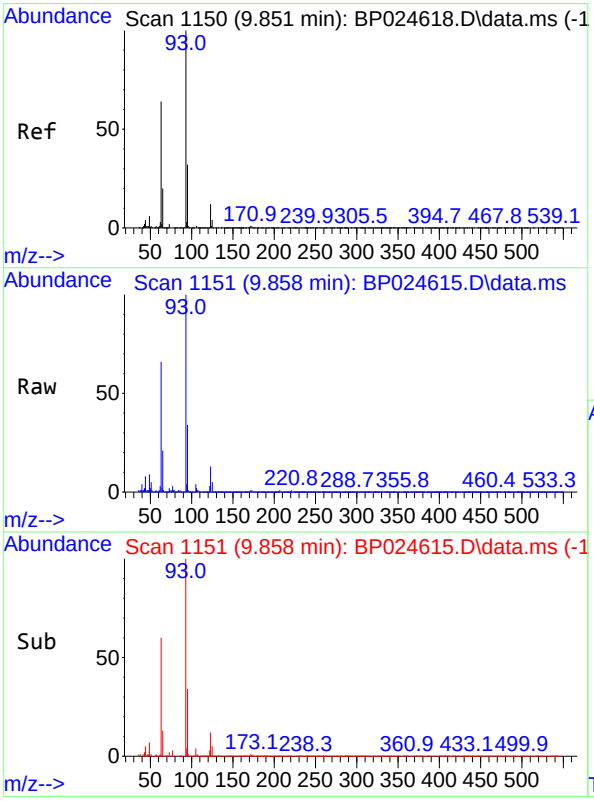
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 131.6 | 96.2 | 144.2 |
| 121 | 61.8 | 47.6 | 71.4 |




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

**Manual Integrations APPROVED**

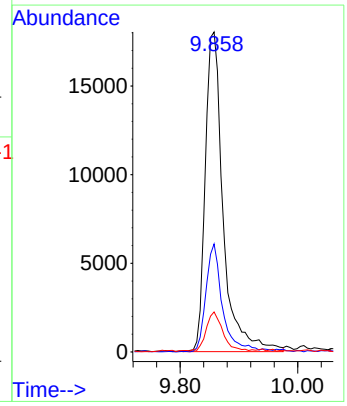
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

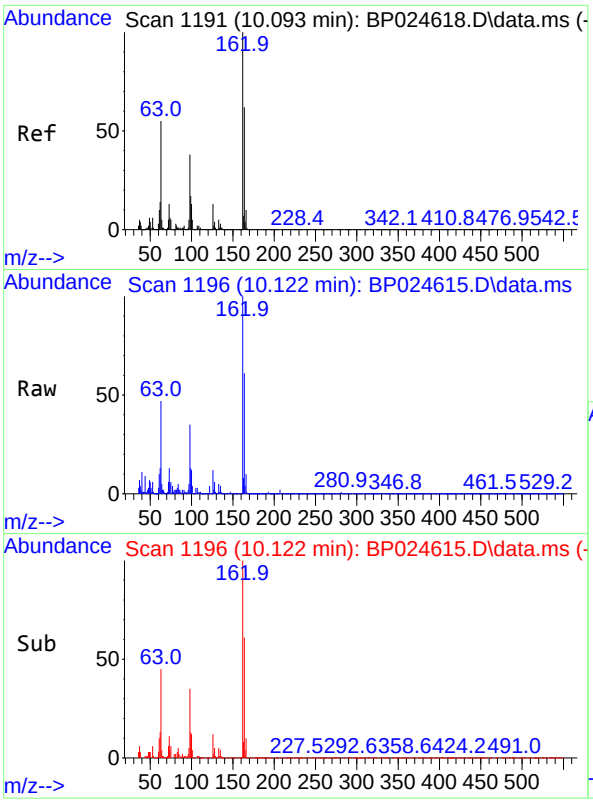



#28
bis(2-Chloroethoxy)methane
Concen: 4.91 ng
RT: 9.858 min Scan# 1151
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 93 Resp: 38071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.7 | 25.5 | 38.3 |
| 123 | 12.5 | 9.7 | 14.5 |






#29
2,4-Dichlorophenol
Concen: 4.29 ng
RT: 10.122 min Scan# 11
Delta R.T. 0.030 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:162 Resp: 2362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 61.3 | 42.3 | 82.3 |
| 98 | 34.7 | 18.4 | 58.4 |

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

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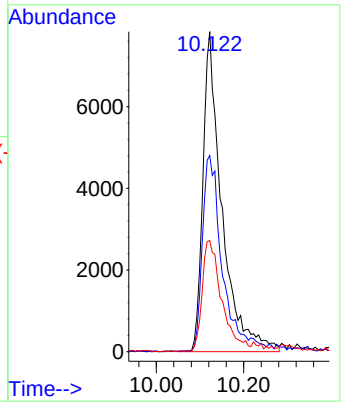
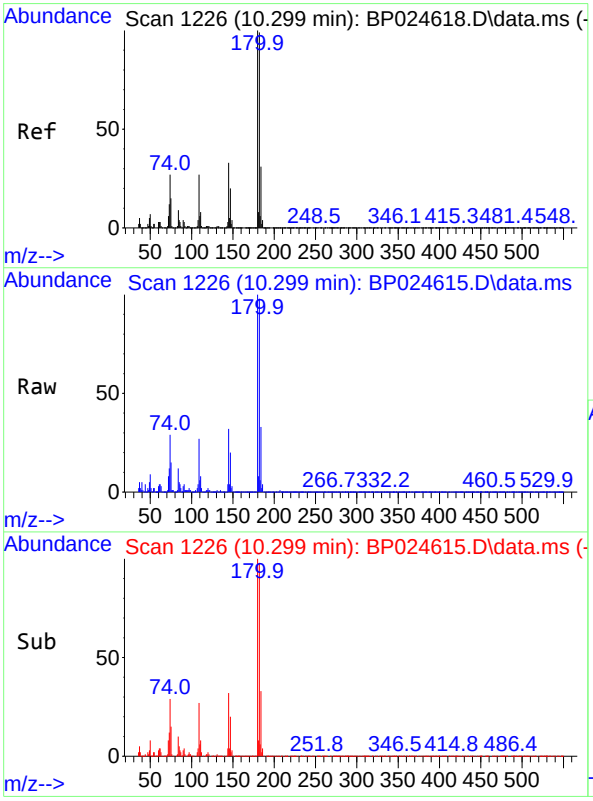
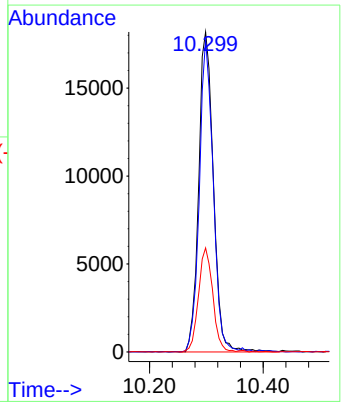


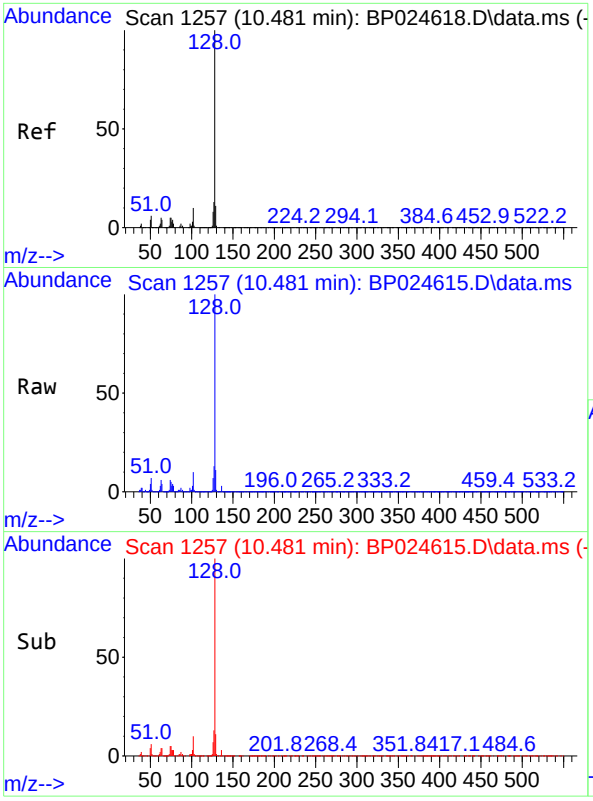




#30
1,2,4-Trichlorobenzene
Concen: 5.26 ng
RT: 10.299 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:180 Resp: 32699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.6 | 79.0 | 118.4 |
| 145 | 32.5 | 26.6 | 39.8 |

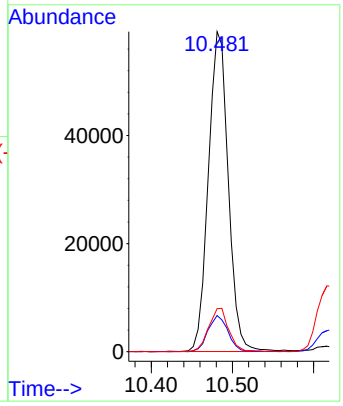





#31
Naphthalene
Concen: 5.13 ng
RT: 10.481 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:128 Resp: 10056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 8.8 | 13.2 |
| 127 | 13.5 | 10.7 | 16.1 |




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

**Manual Integrations**
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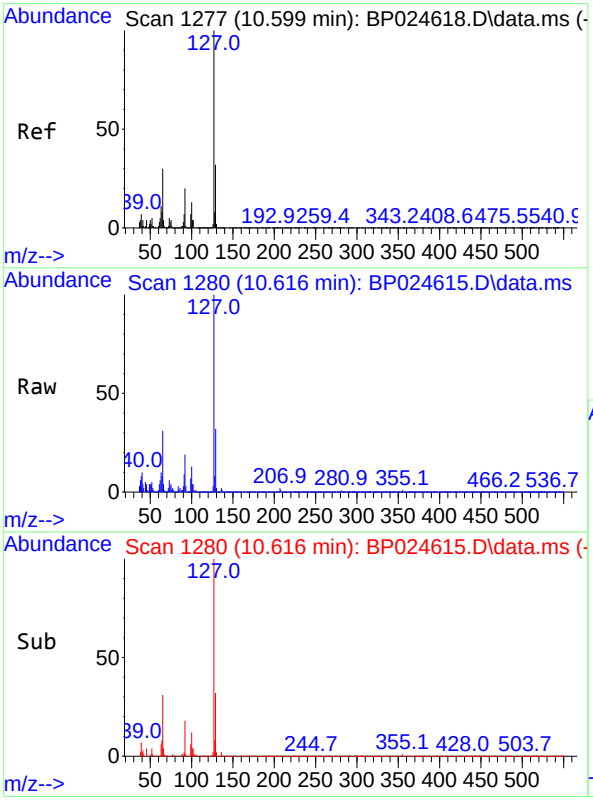
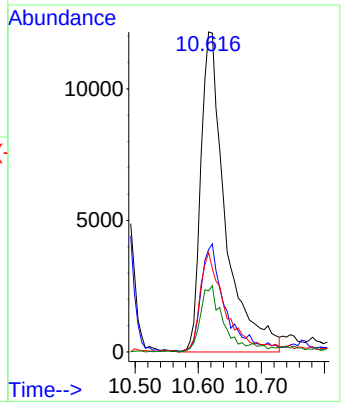
Supervised By :Jagrut Upadhyay 05/14/2025

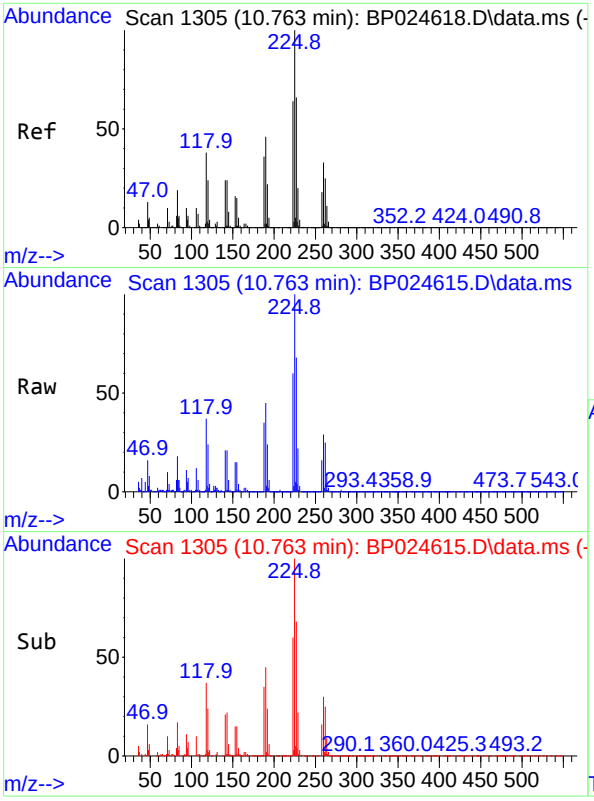



#33
4-Chloroaniline
Concen: 4.16 ng
RT: 10.616 min Scan# 1280
Delta R.T. 0.018 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:127 Resp: 32908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.0 | 25.8 | 38.6 |
| 65 | 31.0 | 23.9 | 35.9 |
| 92 | 19.1 | 16.1 | 24.1 |

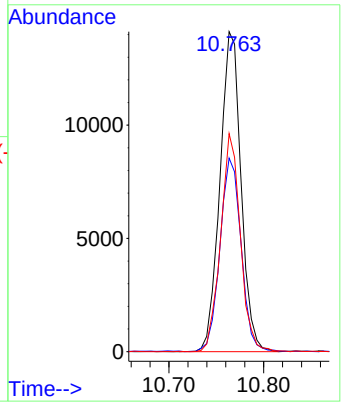





#34
Hexachlorobutadiene
Concen: 5.43 ng
RT: 10.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:225 Resp: 2183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 60.5 | 51.0 | 76.6 |
| 227 | 71.7 | 53.1 | 79.7 |




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

**Manual Integrations APPROVED**

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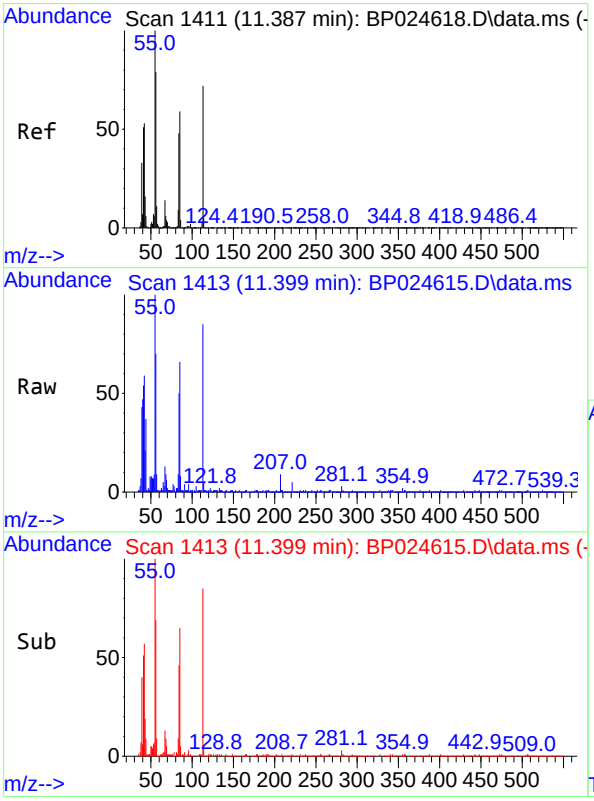
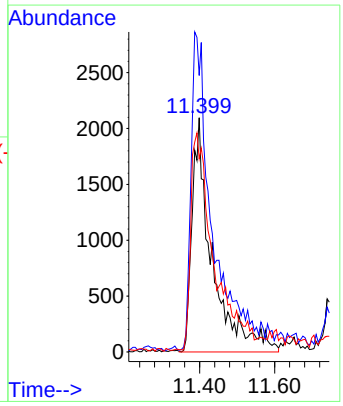
Supervised By :Jagrut Upadhyay 05/14/2025

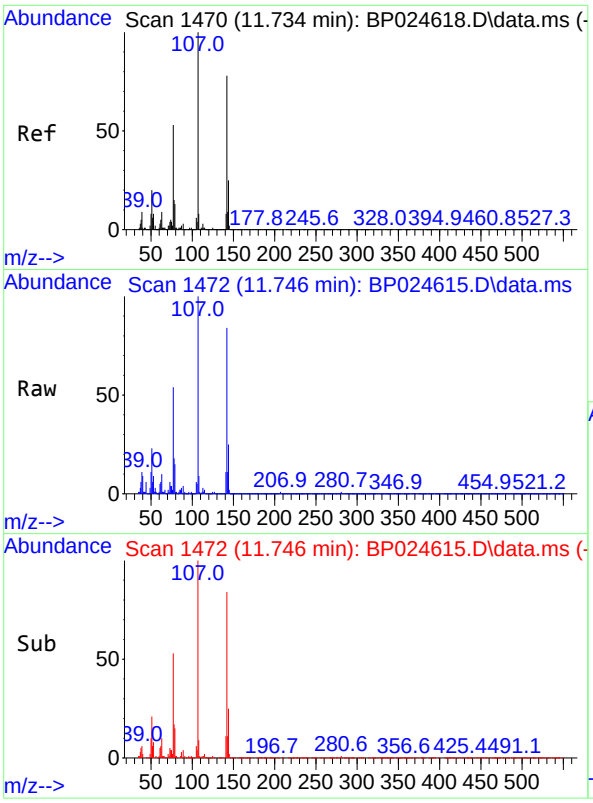



#35
Caprolactam
Concen: 3.88 ng m
RT: 11.399 min Scan# 1413
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:113 Resp: 7742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 118.0 | 119.0 | 159.0# |
| 56 | 82.4 | 90.3 | 130.3# |

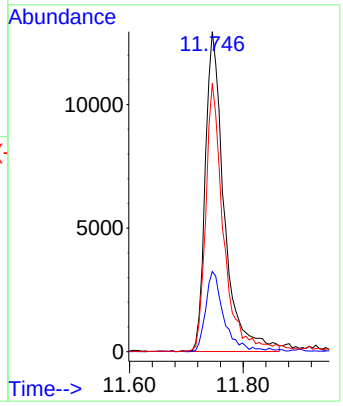





#36
4-Chloro-3-methylphenol
Concen: 4.44 ng
RT: 11.746 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:107 Resp: 2984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.0 | 20.1 | 30.1 |
| 142 | 83.9 | 62.1 | 93.1 |




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

**Manual Integrations APPROVED**

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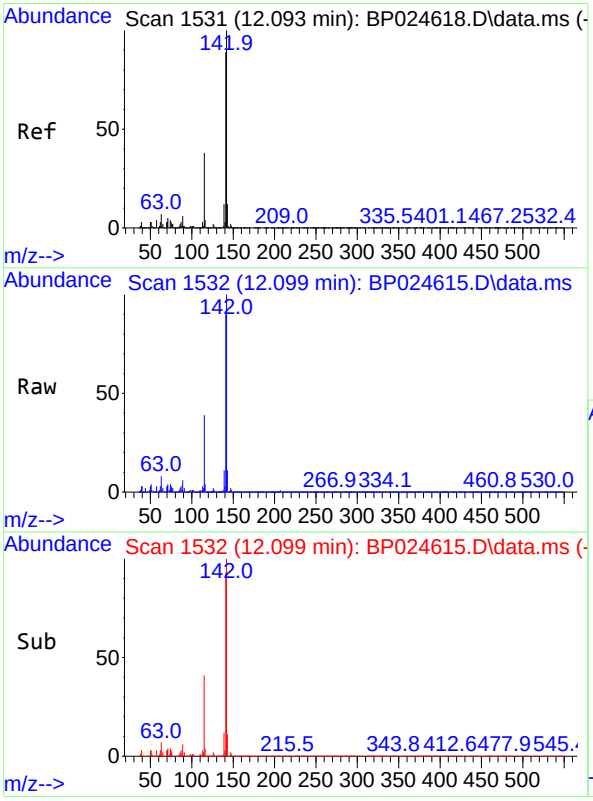
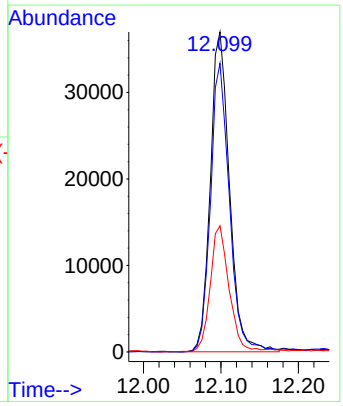
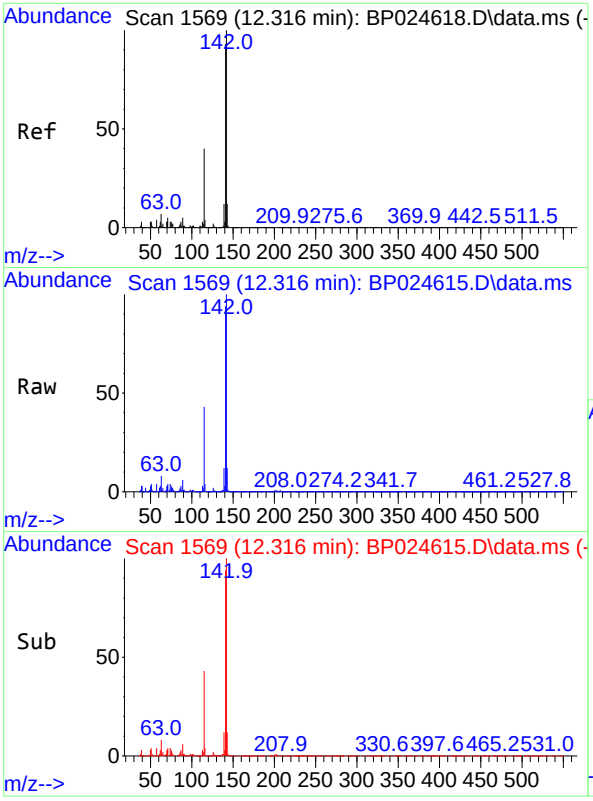



#37
2-Methylnaphthalene
Concen: 5.01 ng
RT: 12.099 min Scan# 1532
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:142 Resp: 63562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.2 | 71.2 | 106.8 |
| 115 | 39.4 | 30.6 | 46.0 |






#38
1-Methylnaphthalene
Concen: 5.16 ng
RT: 12.316 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:142 Resp: 7004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.7 | 74.7 | 112.1 |
| 116 | 4.0 | 3.4 | 5.2 |

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

**Manual Integrations**
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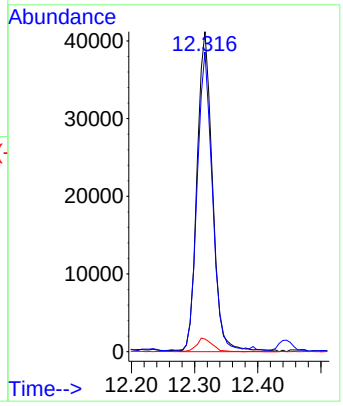
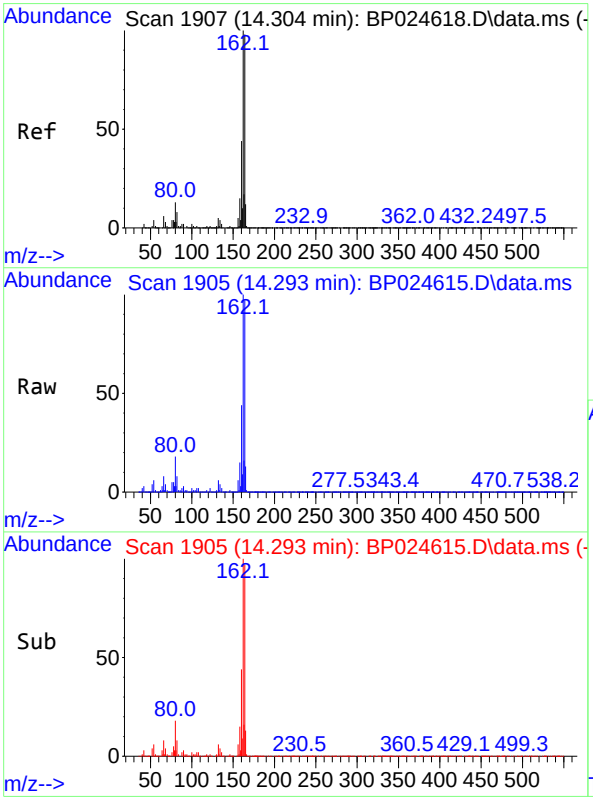
Supervised By :Jagrut Upadhyay 05/14/2025

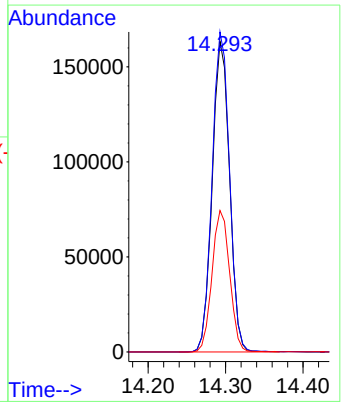


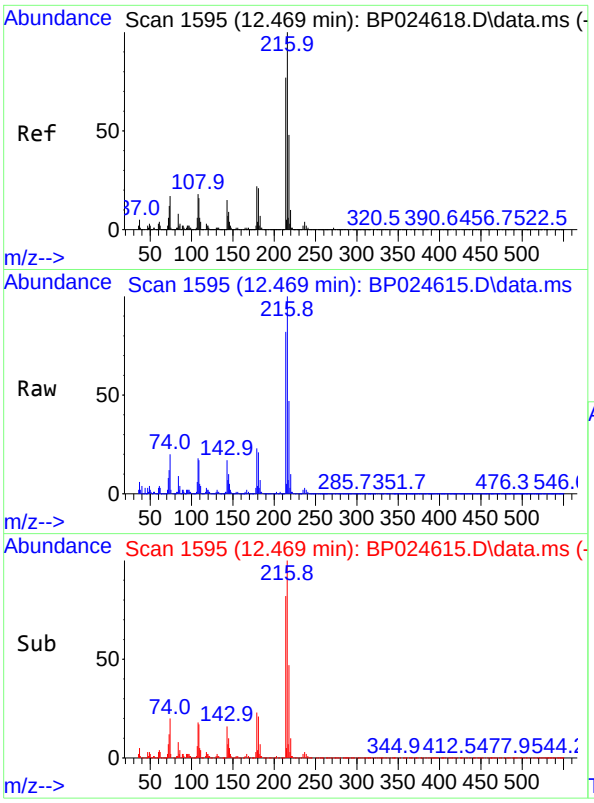




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.293 min Scan# 1905
Delta R.T. -0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:164 Resp: 254561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.0 | 81.8 | 122.6 |
| 160 | 45.5 | 36.3 | 54.5 |

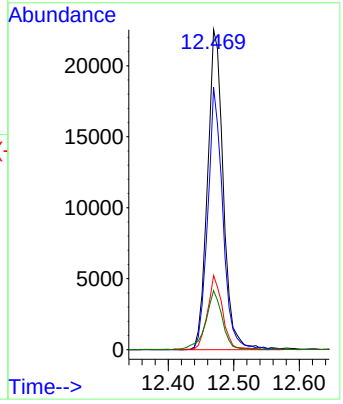





#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.11 ng
RT: 12.469 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:216 Resp: 3773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.4 | 62.3 | 93.5 |
| 179 | 22.0 | 17.7 | 26.5 |
| 108 | 19.0 | 16.0 | 24.0 |




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

**Manual Integrations APPROVED**

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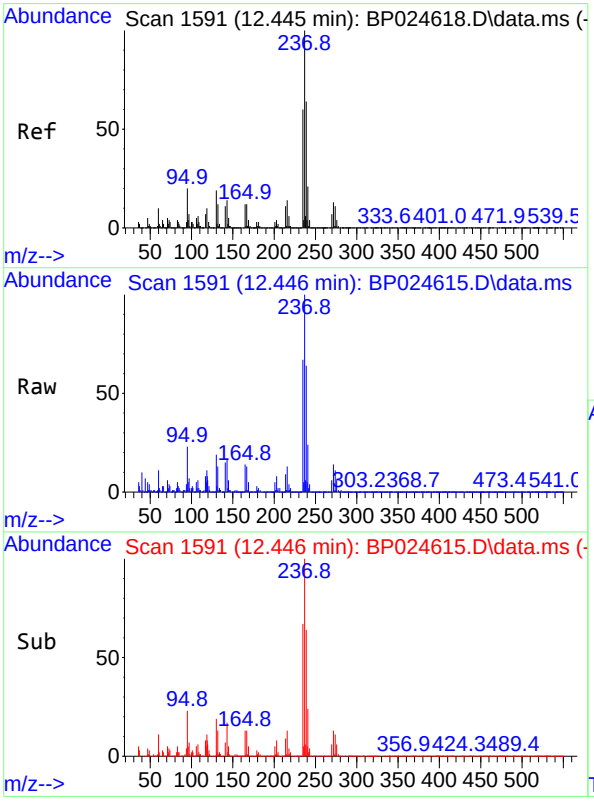
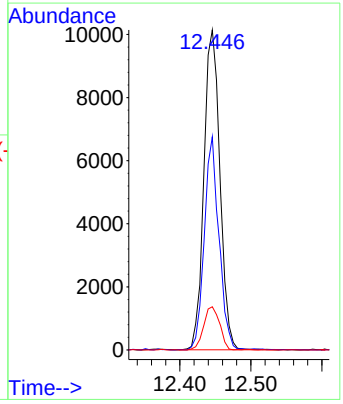
Supervised By :Jagrut Upadhyay 05/14/2025

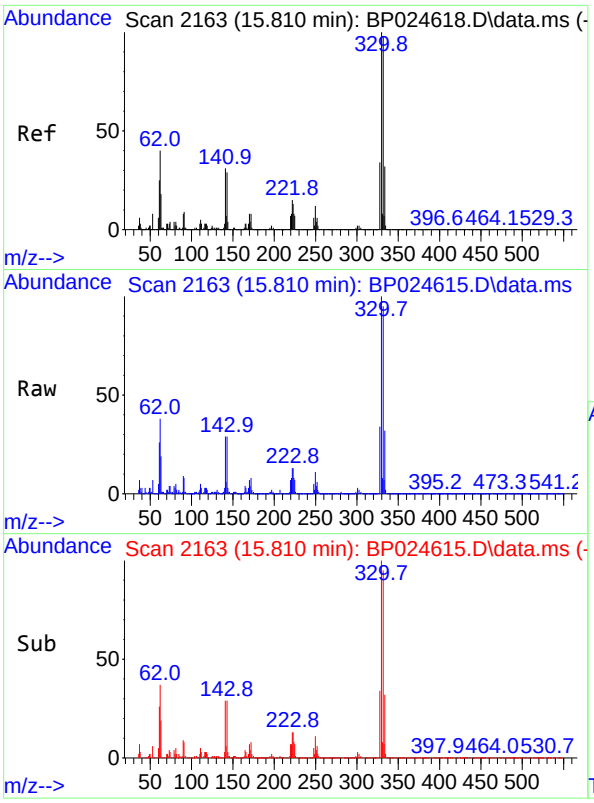



#41
Hexachlorocyclopentadiene
Concen: 3.56 ng
RT: 12.446 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:237 Resp: 15939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 66.6 | 39.9 | 79.9 |
| 272 | 13.5 | 0.0 | 33.2 |

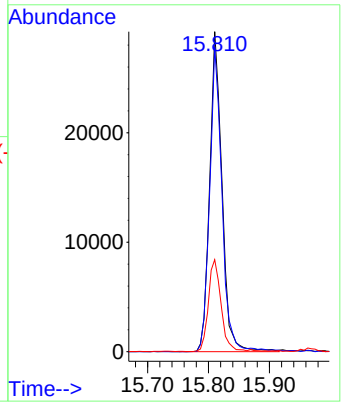





#42
2,4,6-Tribromophenol
Concen: 9.55 ng
RT: 15.810 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:330 Resp: 4121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.4 | 78.2 | 117.4 |
| 141 | 29.5 | 24.3 | 36.5 |




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

**Manual Integrations**
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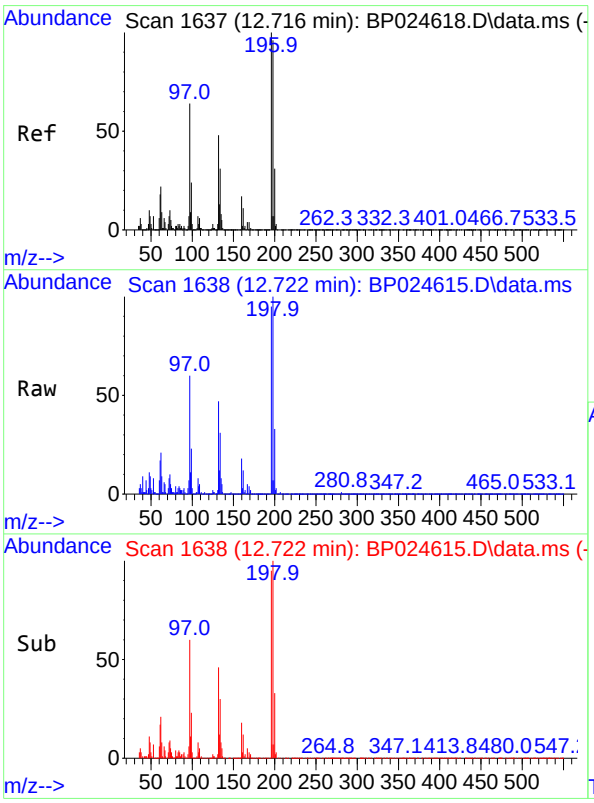
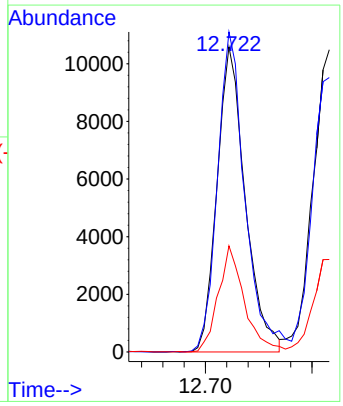
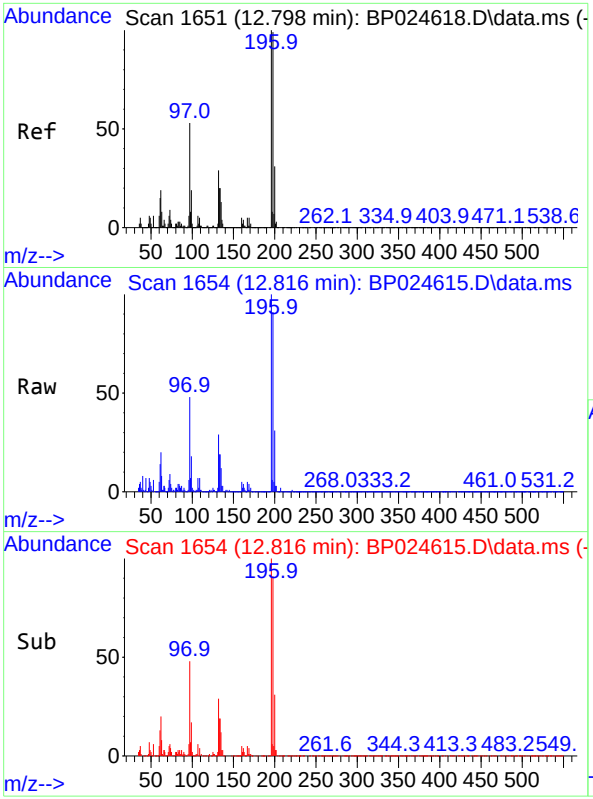



#43
2,4,6-Trichlorophenol
Concen: 4.06 ng
RT: 12.722 min Scan# 1638
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:196 Resp: 19429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 104.9 | 76.9 | 115.3 |
| 200 | 34.8 | 25.2 | 37.8 |

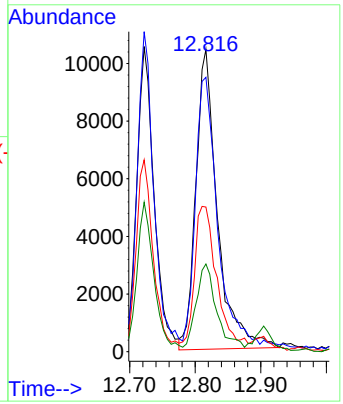





#44
2,4,5-Trichlorophenol
Concen: 4.49 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.018 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:196 Resp: 2391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 90.8 | 79.2 | 118.8 |
| 97 | 47.8 | 42.3 | 63.5 |
| 132 | 29.0 | 23.3 | 34.9 |




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

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 05/14/2025
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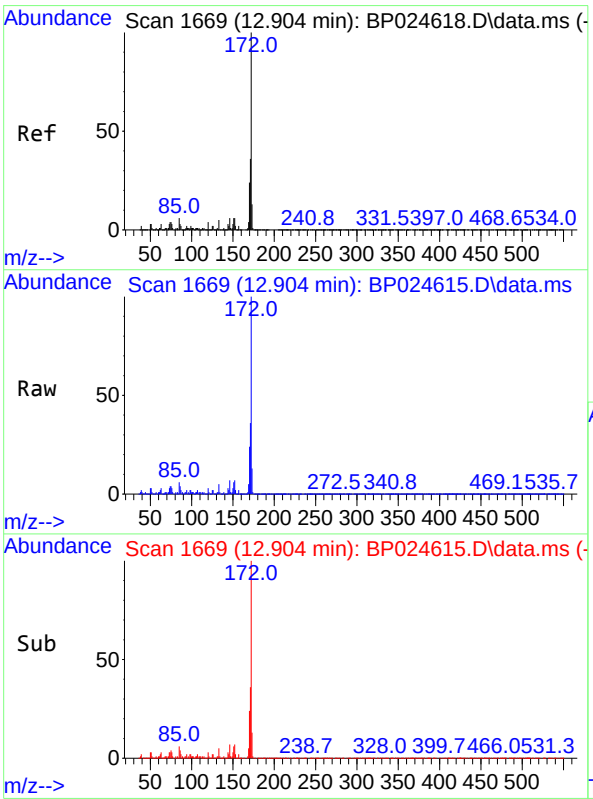
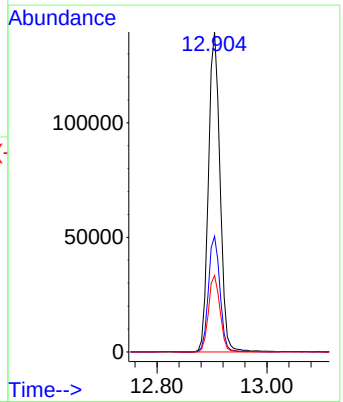
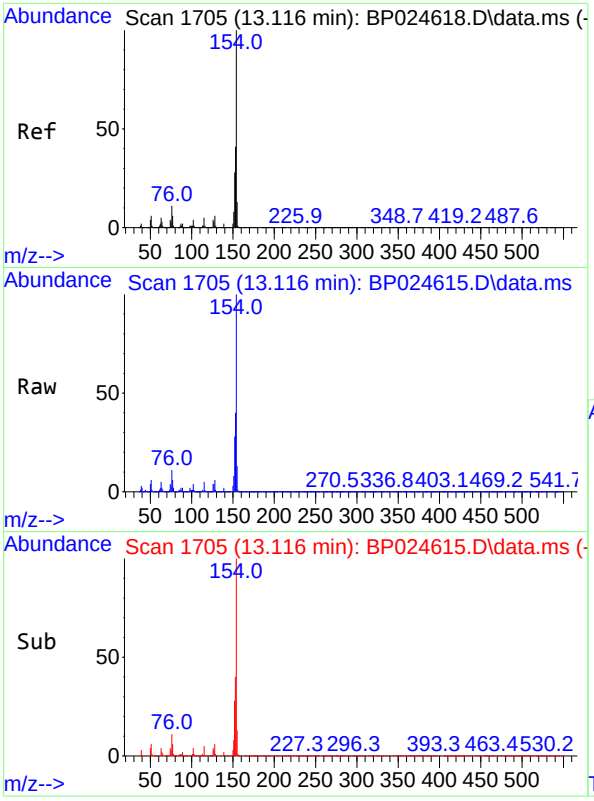



#45
2-Fluorobiphenyl
Concen: 10.48 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:172 Resp: 203719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.1 | 28.8 | 43.2 |
| 170 | 23.9 | 18.8 | 28.2 |

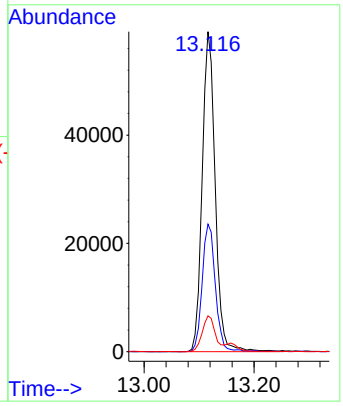





#46
1,1'-Biphenyl
Concen: 5.15 ng
RT: 13.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:154 Resp: 9695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.8 | 21.0 | 61.0 |
| 76 | 11.2 | 0.0 | 31.5 |




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

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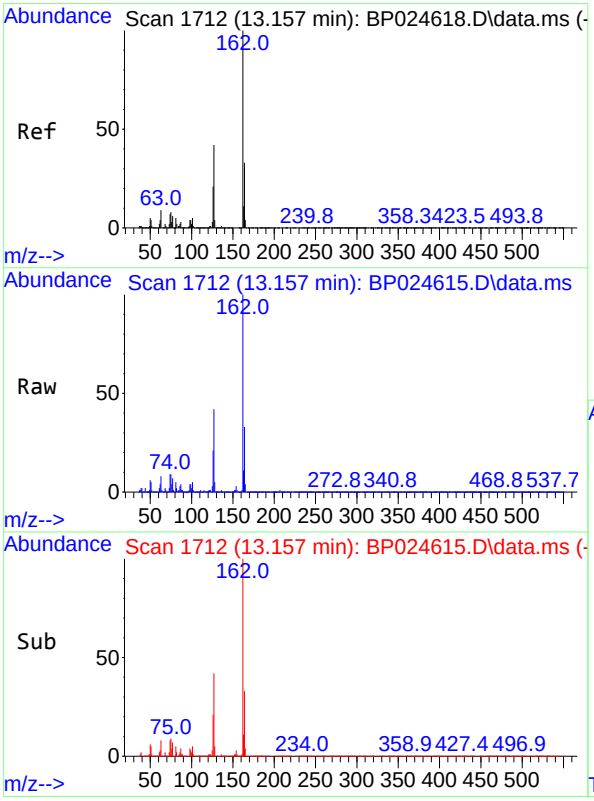
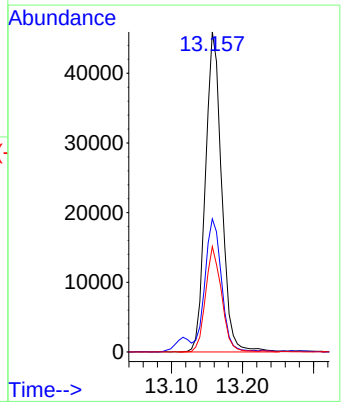
Supervised By :Jagrut Upadhyay 05/14/2025

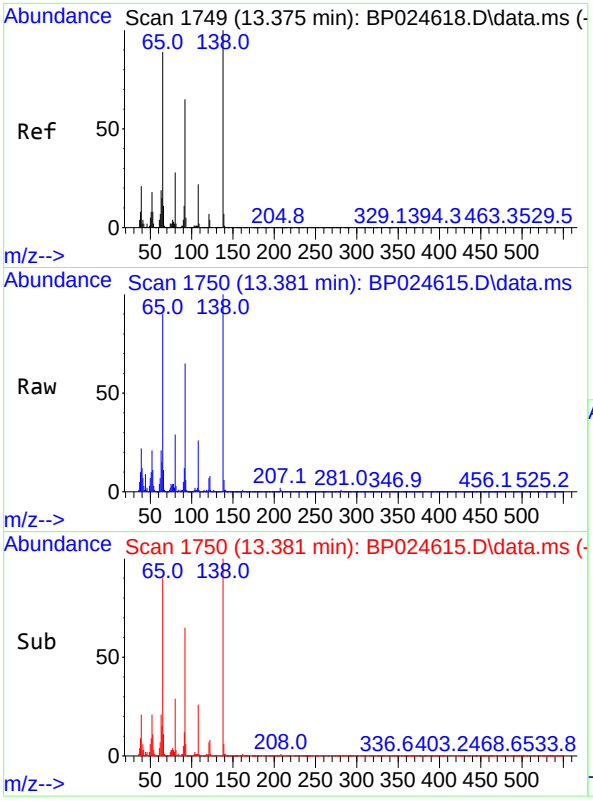



#47
2-Chloronaphthalene
Concen: 5.09 ng
RT: 13.157 min Scan# 1712
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:162 Resp: 72977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.6 | 33.8 | 50.6 |
| 164 | 33.0 | 26.0 | 39.0 |

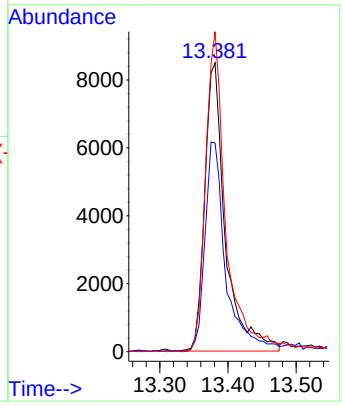





#48
2-Nitroaniline
Concen: 4.19 ng
RT: 13.381 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 65 Resp: 1777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 72.3 | 58.7 | 88.1 |
| 138 | 110.8 | 90.2 | 135.2 |




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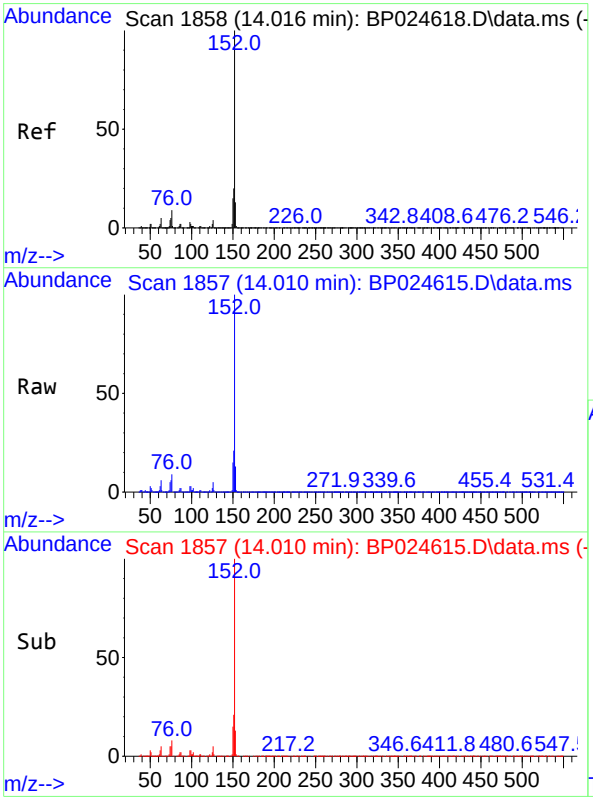
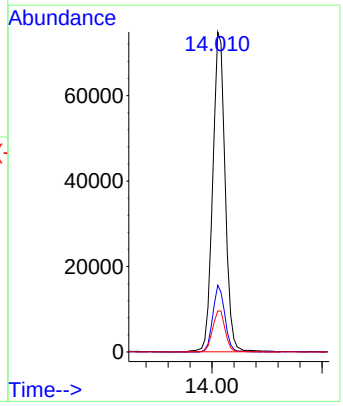
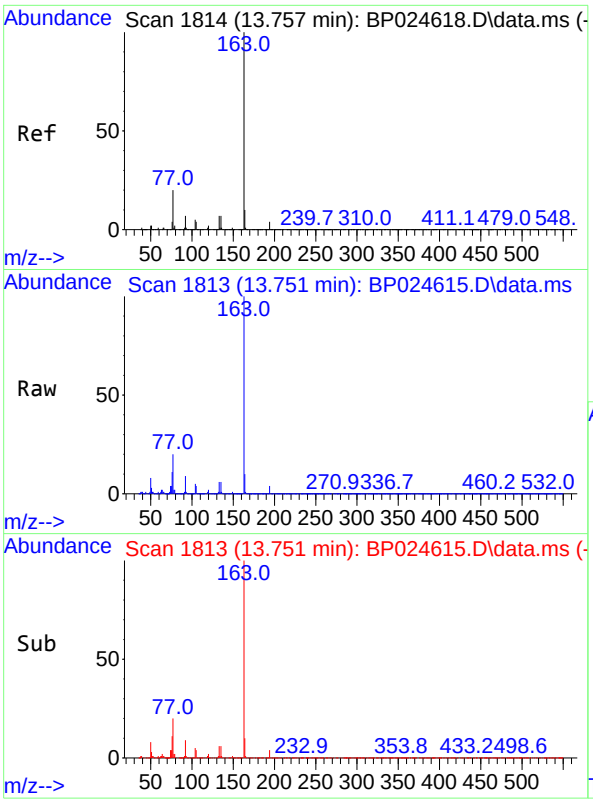



#49
Acenaphthylene
Concen: 4.89 ng
RT: 14.010 min Scan# 1857
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:152 Resp: 117448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.9 | 16.2 | 24.4 |
| 153 | 12.8 | 10.2 | 15.4 |

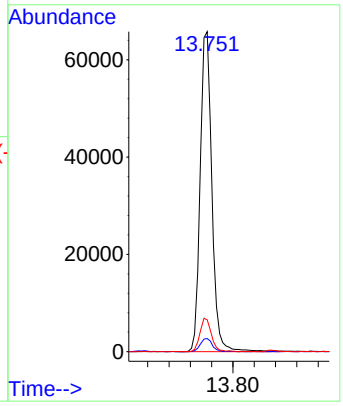





#50
Dimethylphthalate
Concen: 5.15 ng
RT: 13.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:163 Resp: 9994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.4 | 5.0 |
| 164 | 9.9 | 8.1 | 12.1 |




**Instrument :**
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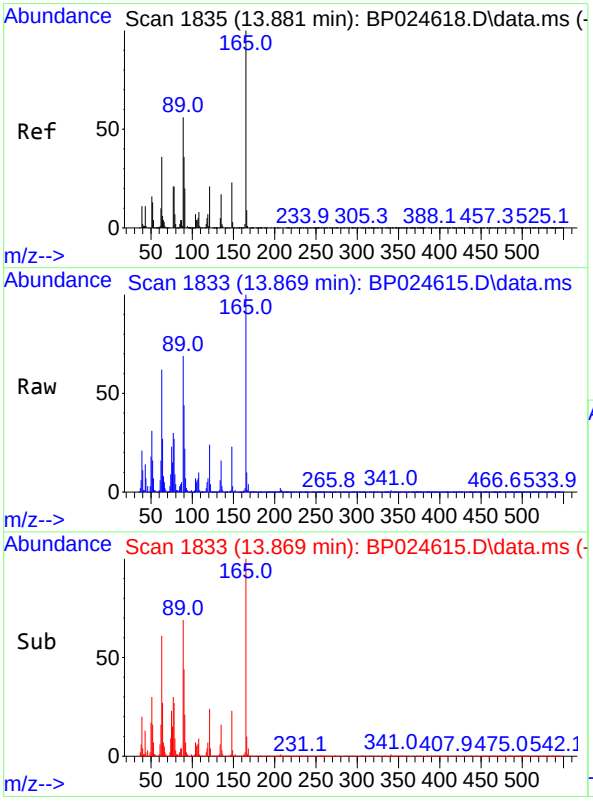
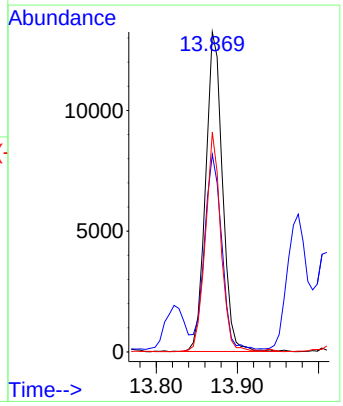
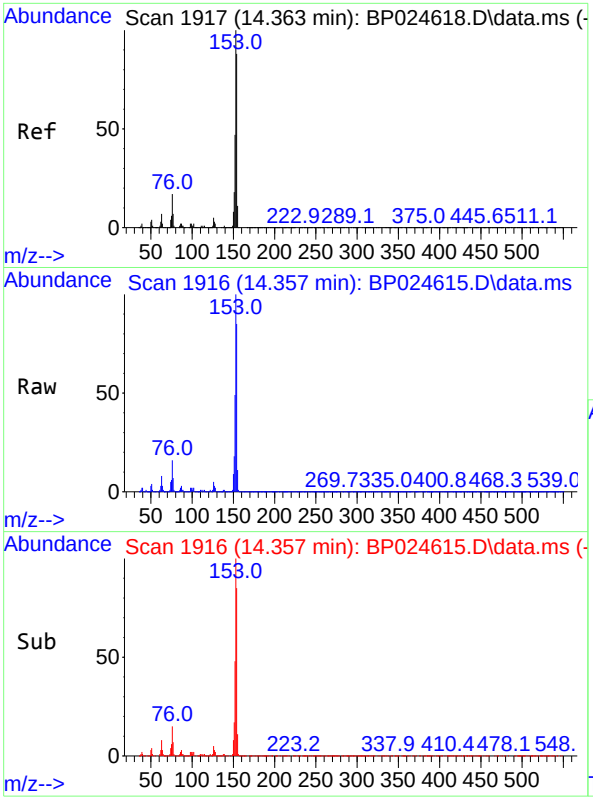



#51
2,6-Dinitrotoluene
Concen: 4.65 ng
RT: 13.869 min Scan# 1833
Delta R.T. -0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:165 Resp: 19052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 61.7 | 42.4 | 63.6 |
| 89 | 68.7 | 44.8 | 67.2# |

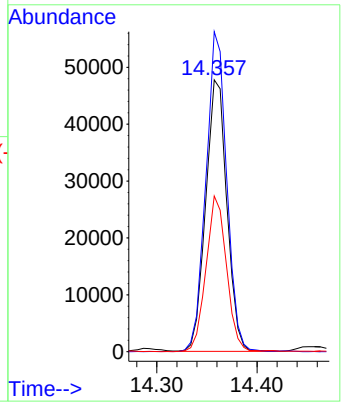





#52
Acenaphthene
Concen: 5.09 ng
RT: 14.357 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:154 Resp: 7030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 117.7 | 91.0 | 136.4 |
| 152 | 57.3 | 42.9 | 64.3 |




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

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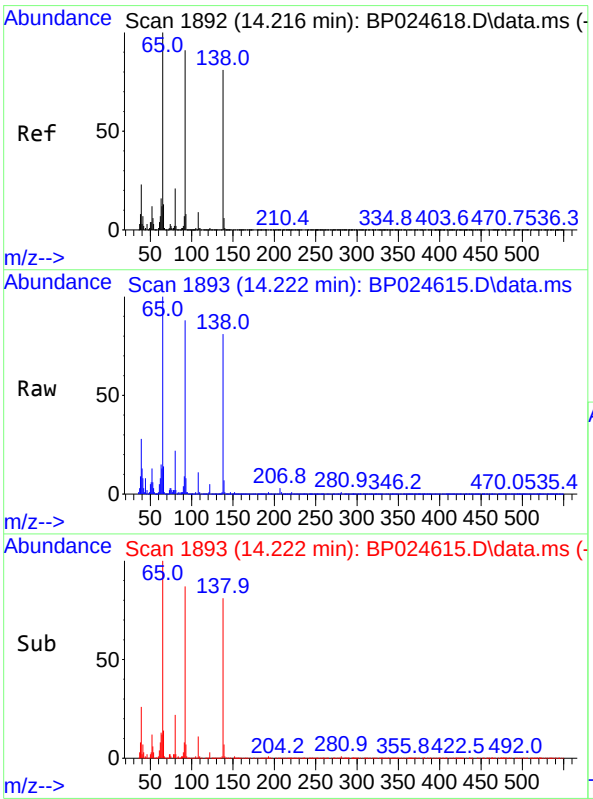
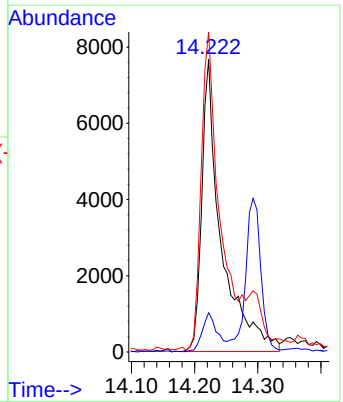
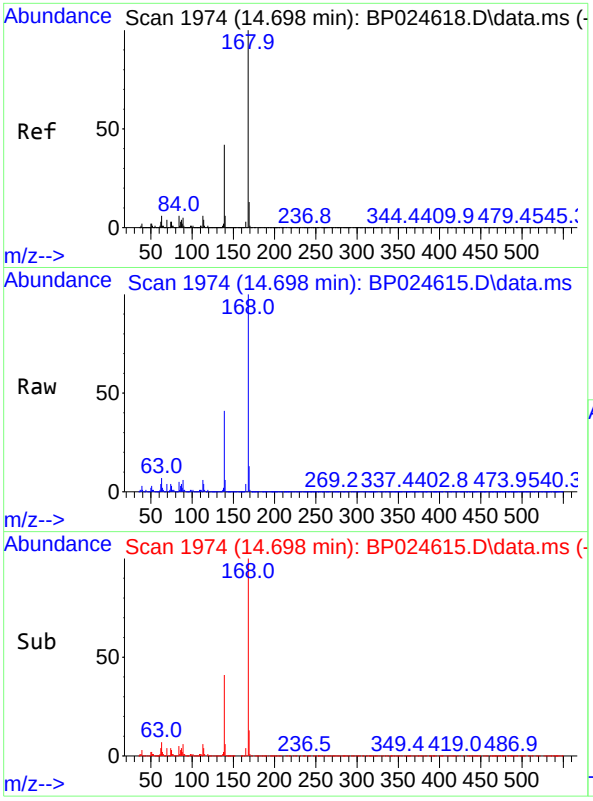



#53
3-Nitroaniline
Concen: 3.92 ng
RT: 14.222 min Scan# 1893
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:138 Resp: 16400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 13.4 | 9.0 | 13.4 |
| 92 | 109.3 | 90.1 | 135.1 |

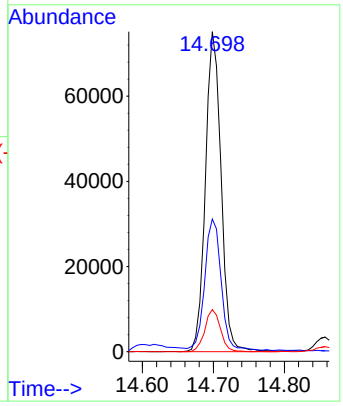





#55
Dibenzofuran
Concen: 5.23 ng
RT: 14.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:168 Resp: 11518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.5 | 34.2 | 51.4 |
| 169 | 13.2 | 10.8 | 16.2 |




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

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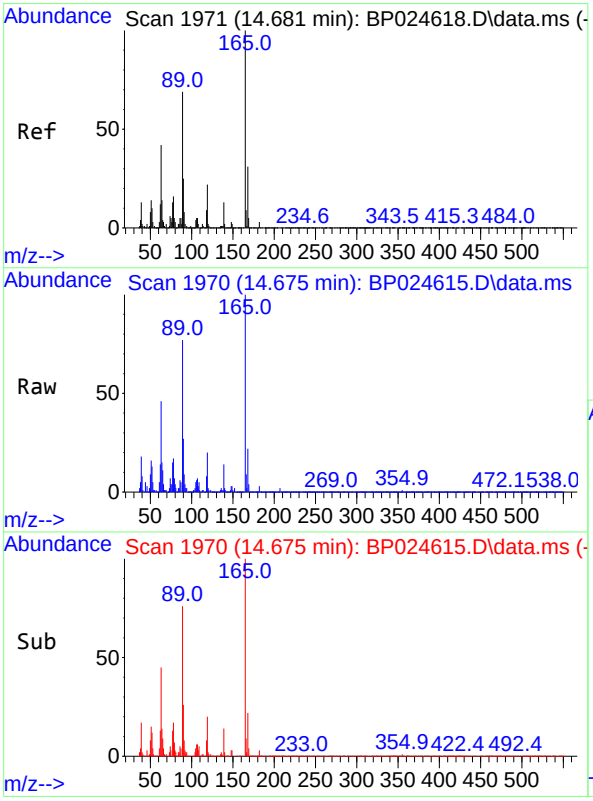
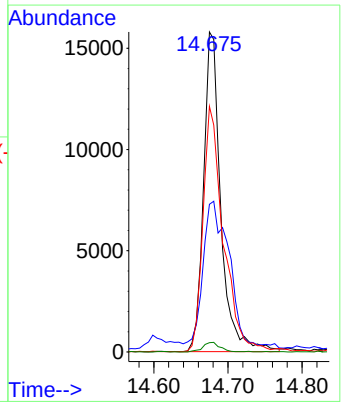
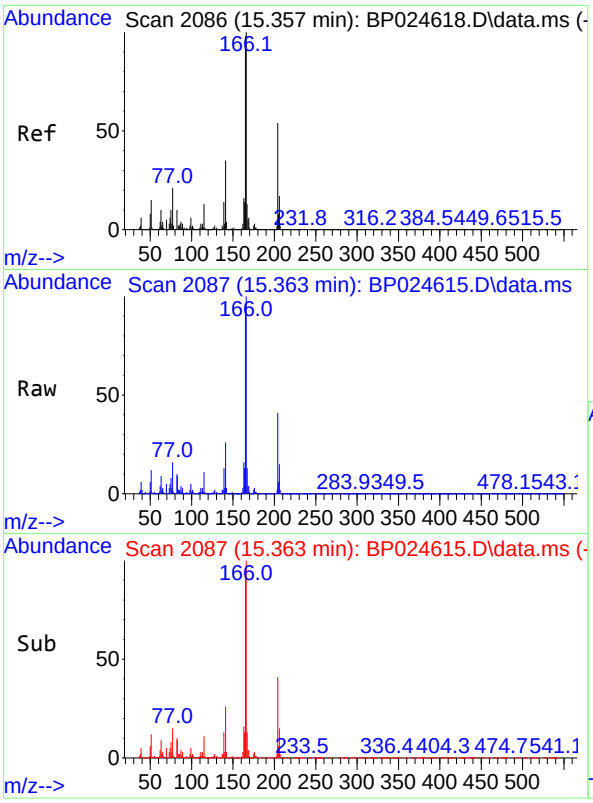



#57
2,4-Dinitrotoluene
Concen: 4.41 ng
RT: 14.675 min Scan# 1970
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:165 Resp: 25481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 46.2 | 33.8 | 50.6 |
| 89 | 76.8 | 55.6 | 83.4 |
| 182 | 2.9 | 2.4 | 3.6 |

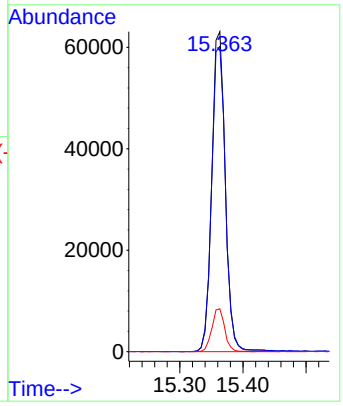





#58
Fluorene
Concen: 5.20 ng
RT: 15.363 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:166 Resp: 9330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 95.4 | 78.5 | 117.7 |
| 167 | 13.4 | 10.7 | 16.1 |




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

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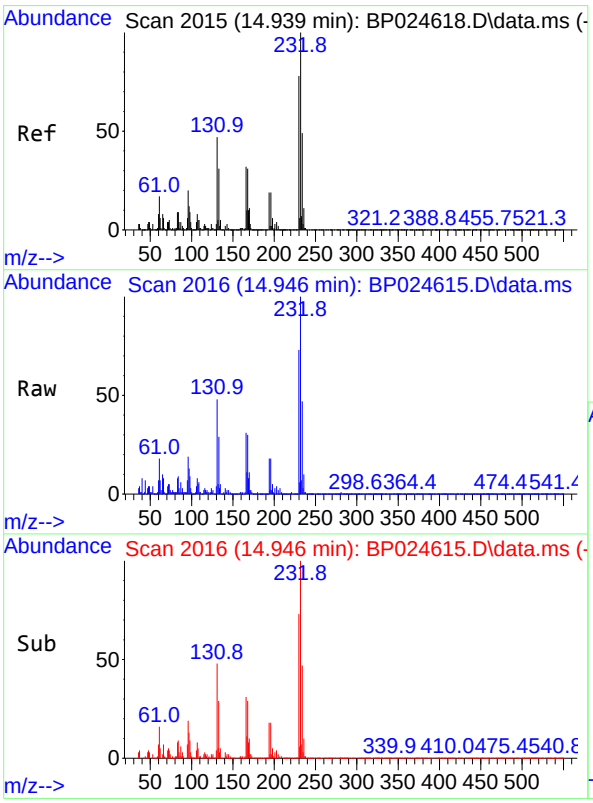
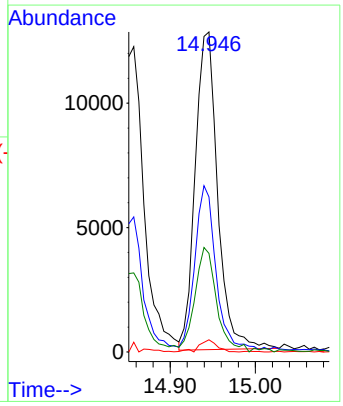
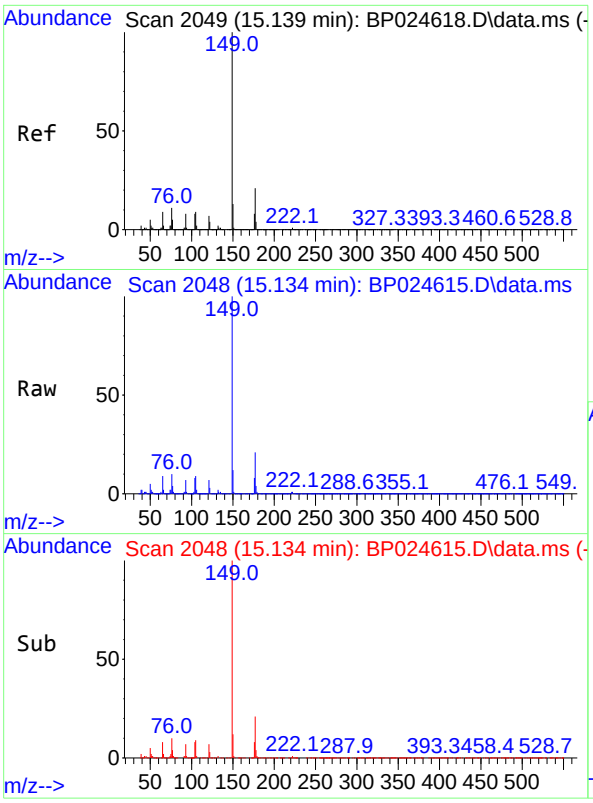



#59
2,3,4,6-Tetrachlorophenol
Concen: 4.73 ng
RT: 14.946 min Scan# 2016
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:232 Resp: 23382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 48.6 | 39.5 | 59.3 |
| 130 | 3.0 | 2.2 | 3.4 |
| 166 | 30.5 | 25.7 | 38.5 |

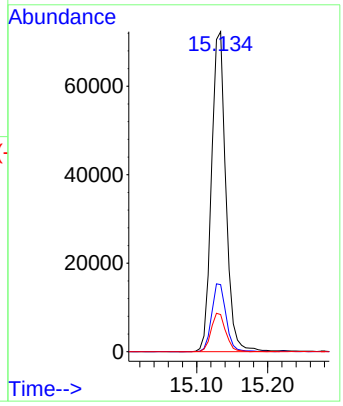





#60
Diethylphthalate
Concen: 5.17 ng
RT: 15.134 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:149 Resp: 10136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 20.9 | 16.7 | 25.1 |
| 150 | 11.6 | 10.2 | 15.2 |




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

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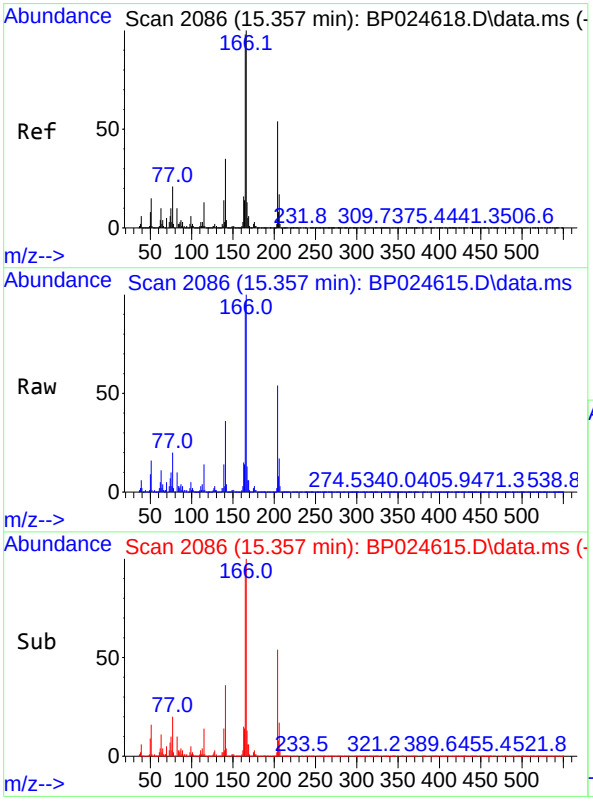
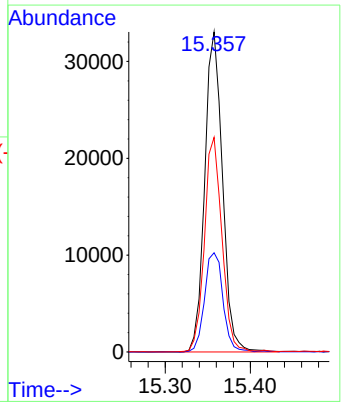
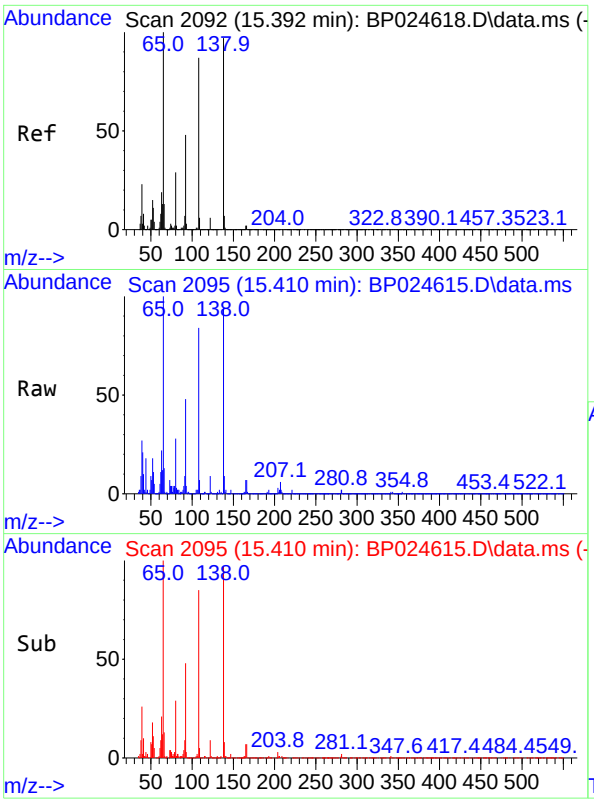



#61
4-Chlorophenyl-phenylether
Concen: 5.35 ng
RT: 15.357 min Scan# 2086
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:204 Resp: 47886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 31.0 | 26.0 | 39.0 |
| 141 | 67.1 | 52.9 | 79.3 |

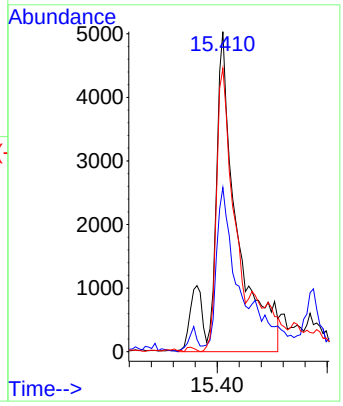





#62
4-Nitroaniline
Concen: 3.55 ng m
RT: 15.410 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:138 Resp: 1448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 51.3 | 29.2 | 69.2 |
| 108 | 88.5 | 69.0 | 109.0 |




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

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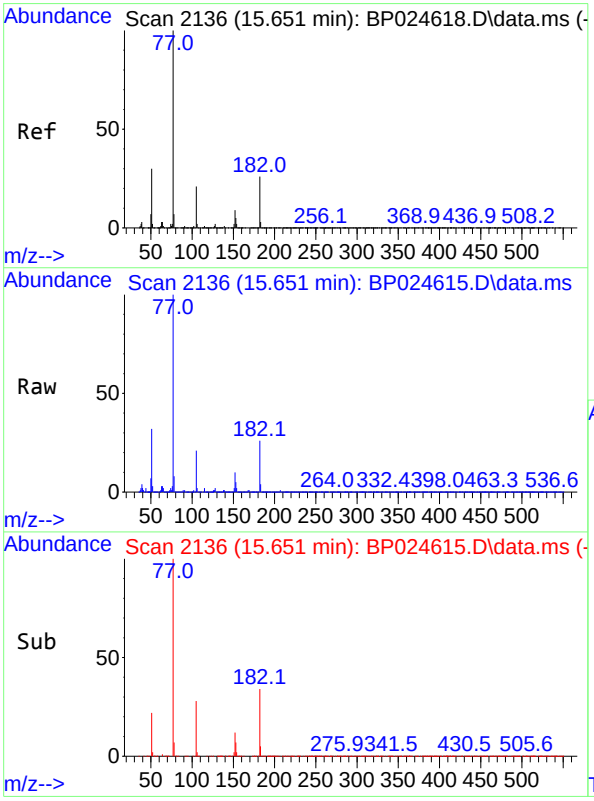
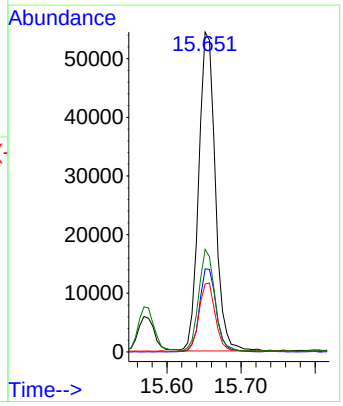
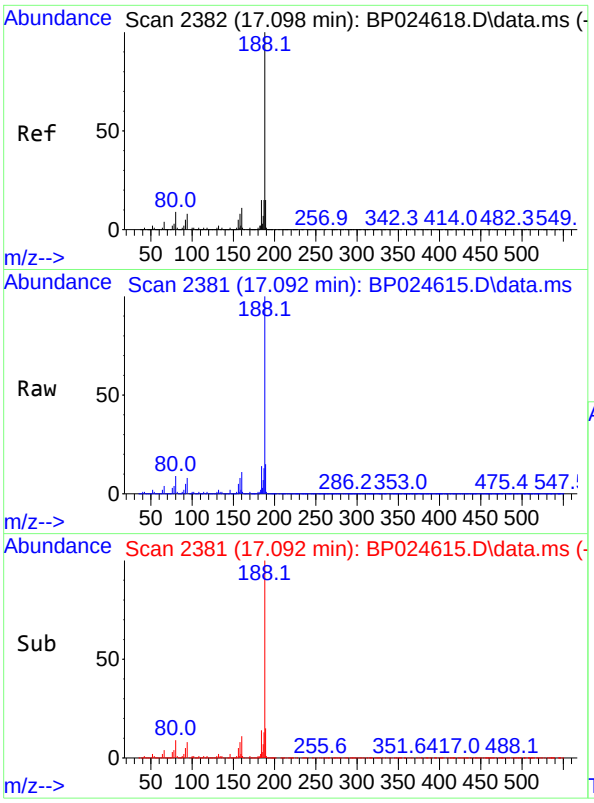



#63
Azobenzene
Concen: 5.03 ng
RT: 15.651 min Scan# 2136
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 77 Resp: 84462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.0 | 5.7 | 45.7 |
| 105 | 21.2 | 1.3 | 41.3 |
| 51 | 32.1 | 10.6 | 50.6 |

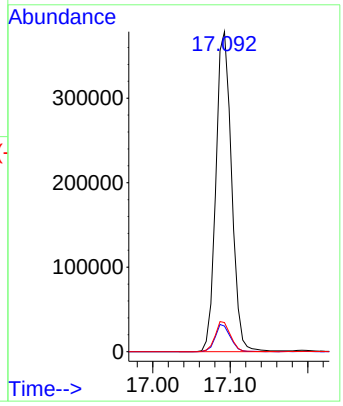





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:188 Resp: 53154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.0 | 6.5 | 9.7 |
| 80 | 9.1 | 7.3 | 10.9 |




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

**Manual Integrations**
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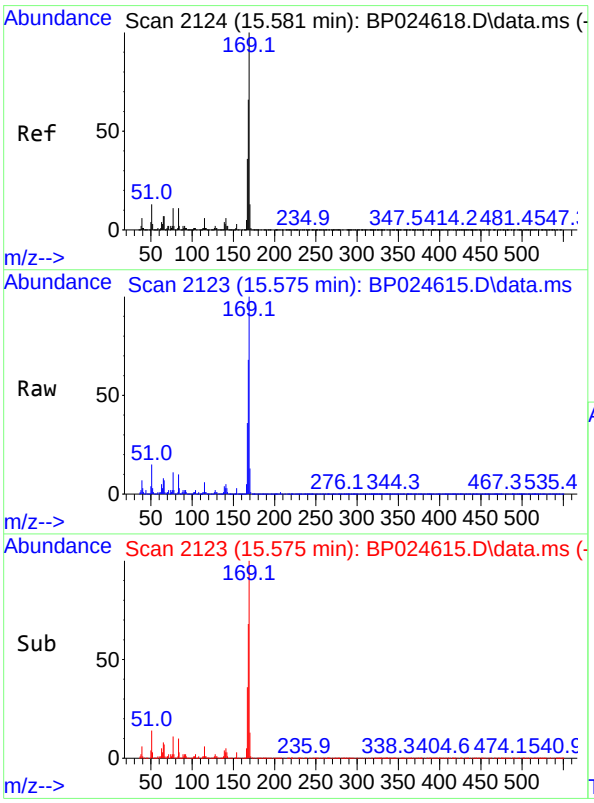
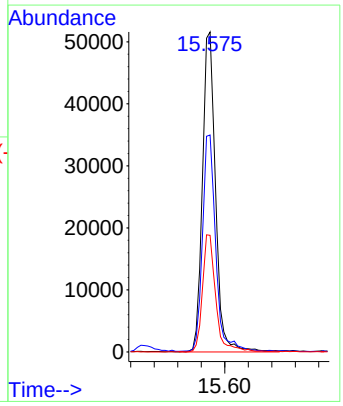
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

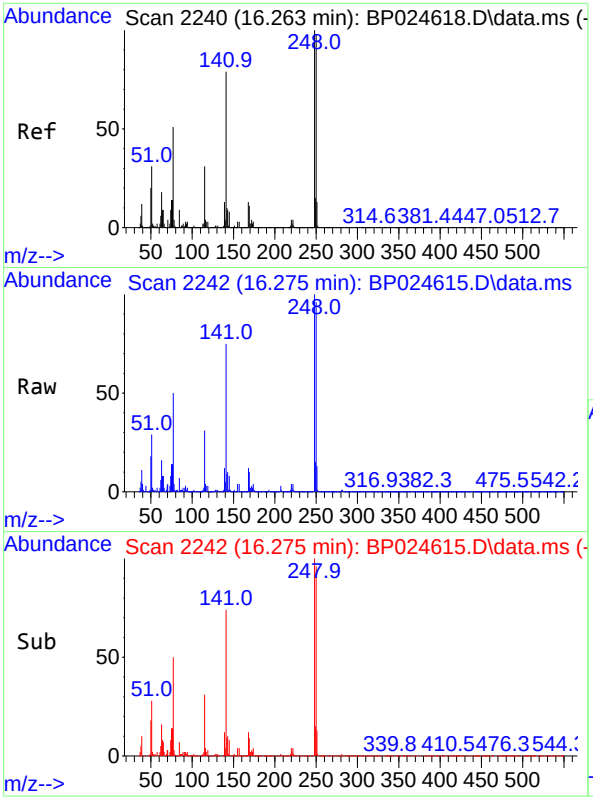



#66
n-Nitrosodiphenylamine
Concen: 4.90 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:169 Resp: 80078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.8 | 53.2 | 79.8 |
| 167 | 36.5 | 28.6 | 43.0 |

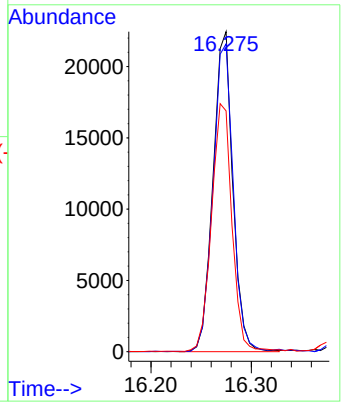





#67
4-Bromophenyl-phenylether
Concen: 4.90 ng
RT: 16.275 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:248 Resp: 3070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.2 | 78.2 | 117.4 |
| 141 | 75.3 | 63.0 | 94.6 |




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

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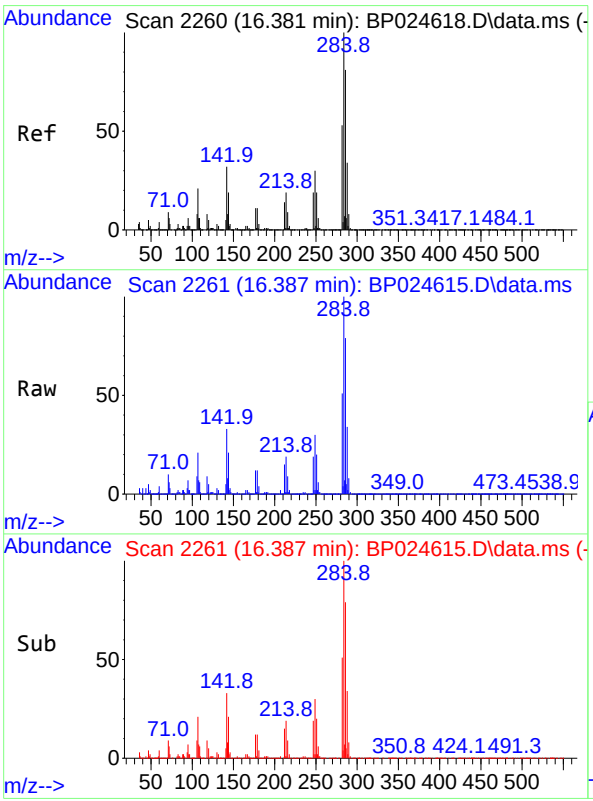
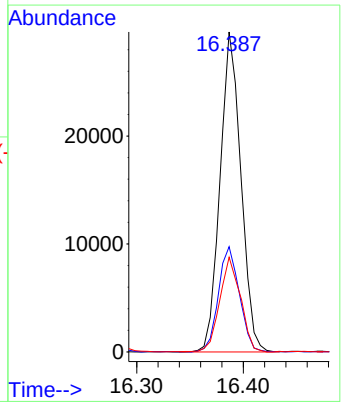
Supervised By :Jagrut Upadhyay 05/14/2025

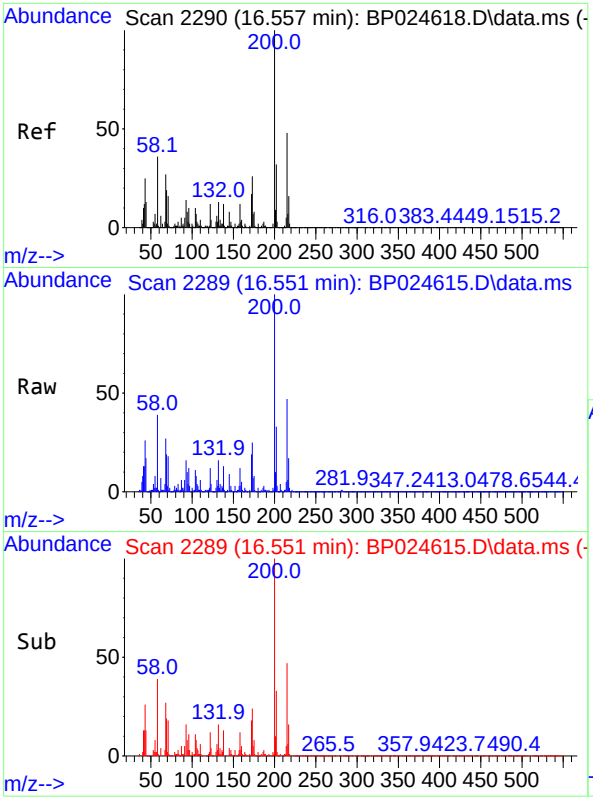



#68
Hexachlorobenzene
Concen: 5.06 ng
RT: 16.387 min Scan# 2261
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:284 Resp: 40234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.9 | 25.9 | 38.9 |
| 249 | 29.6 | 24.1 | 36.1 |

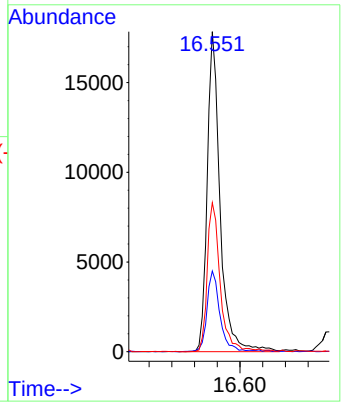





#69
Atrazine
Concen: 4.66 ng
RT: 16.551 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:200 Resp: 2790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.2 | 5.9 | 45.9 |
| 215 | 46.5 | 28.3 | 68.3 |




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

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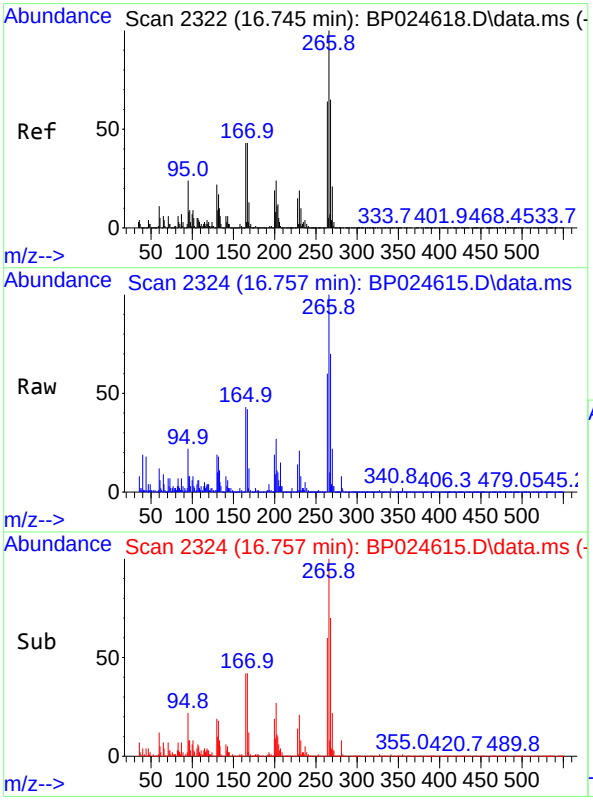
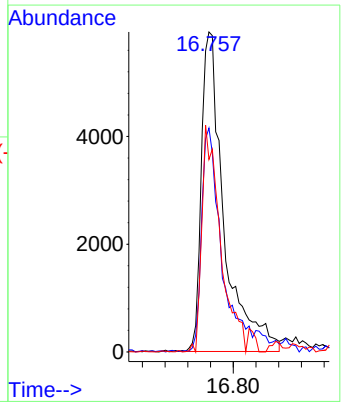
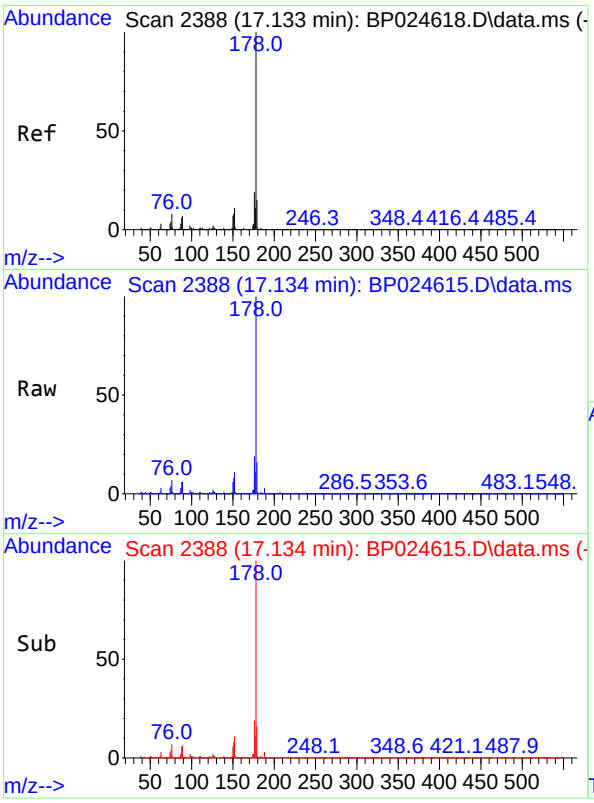



#70
Pentachlorophenol
Concen: 3.68 ng
RT: 16.757 min Scan# 2324
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:266 Resp: 16456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 69.9 | 52.2 | 78.4 |
| 264 | 60.1 | 51.1 | 76.7 |

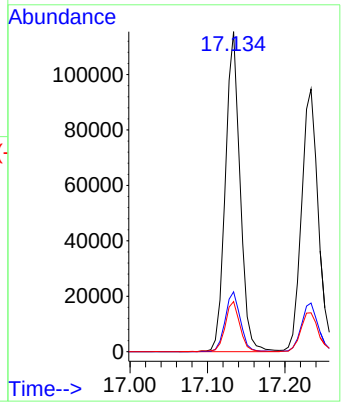





#71
Phenanthrene
Concen: 5.14 ng
RT: 17.134 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:178 Resp: 15203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.4 | 23.2 |
| 179 | 15.7 | 12.2 | 18.4 |




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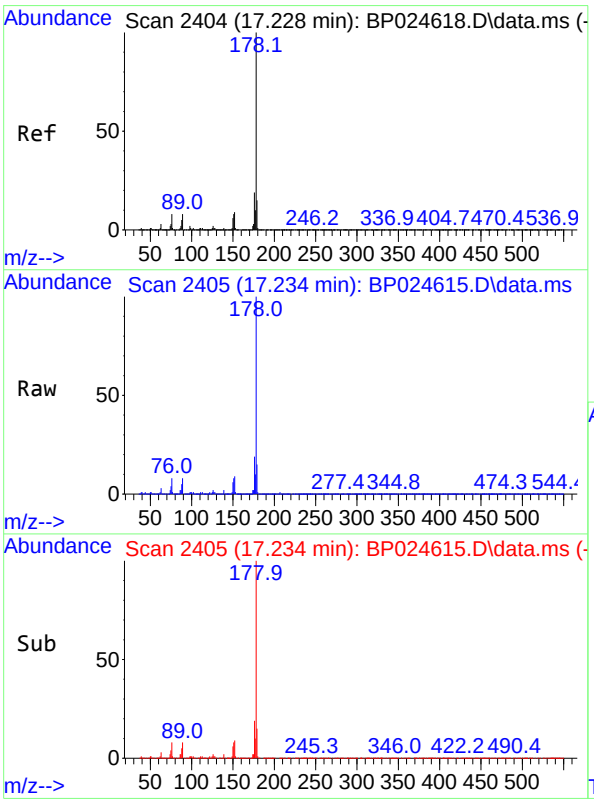
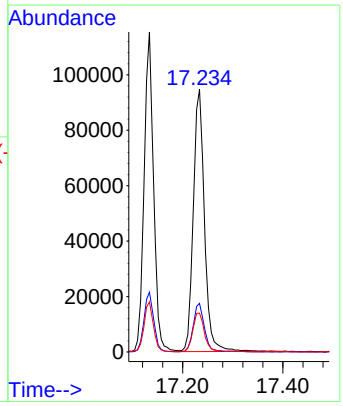
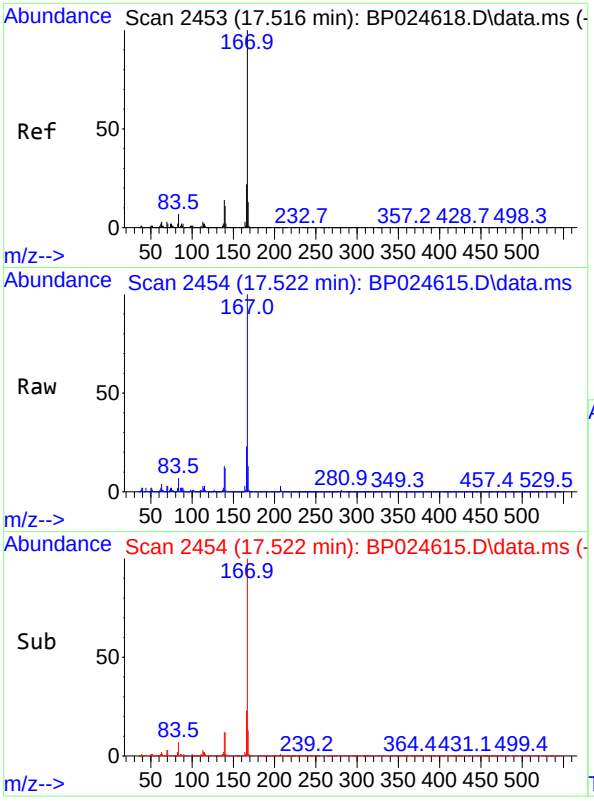



#72
Anthracene
Concen: 4.90 ng
RT: 17.234 min Scan# 2405
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:178 Resp: 145809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 15.0 | 22.4 |
| 179 | 14.8 | 12.2 | 18.2 |

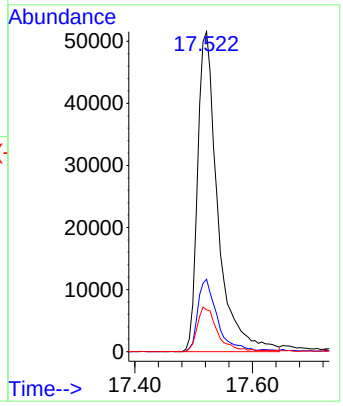





#73
Carbazole
Concen: 4.56 ng
RT: 17.522 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:167 Resp: 12266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.6 | 17.7 | 26.5 |
| 139 | 13.1 | 11.3 | 16.9 |




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

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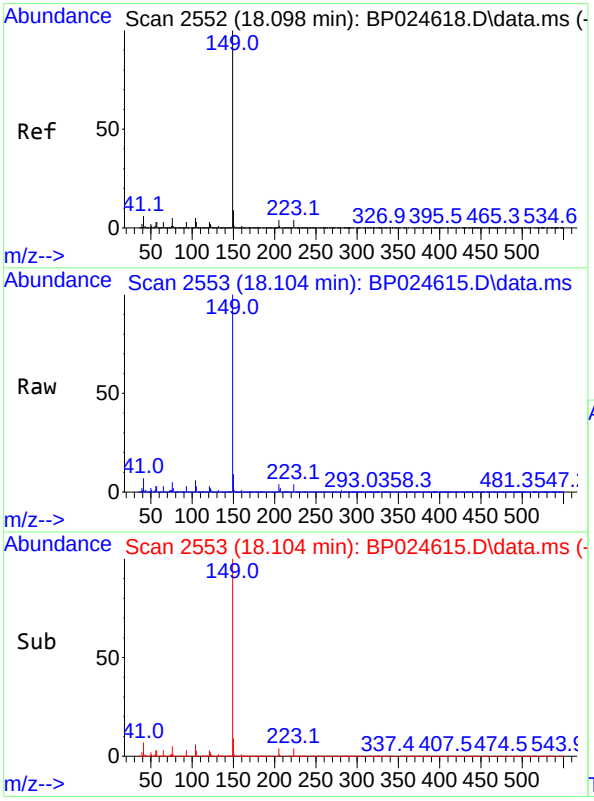
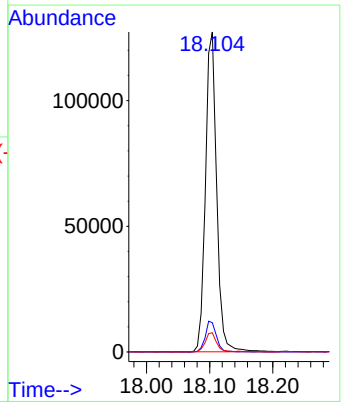
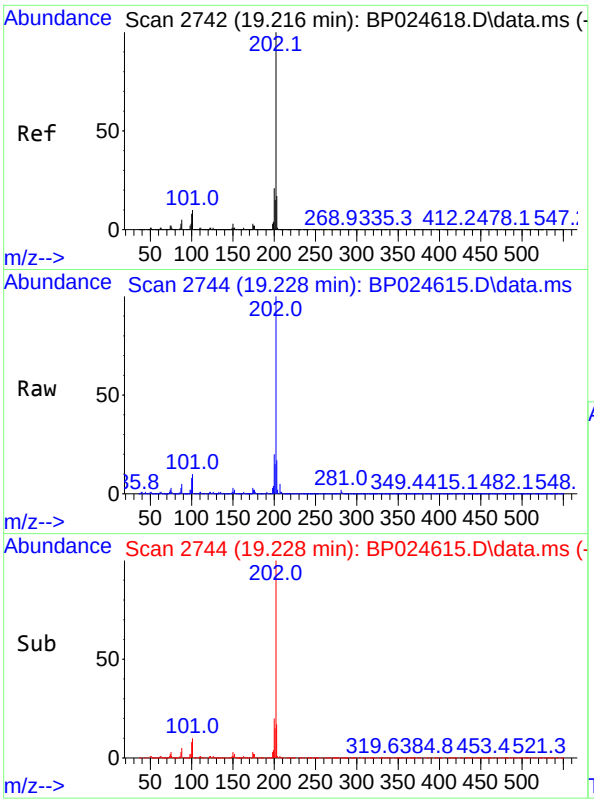



#74
Di-n-butylphthalate
Concen: 4.54 ng
RT: 18.104 min Scan# 2553
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:149 Resp: 157014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.2 | 10.8 |
| 104 | 6.0 | 4.3 | 6.5 |

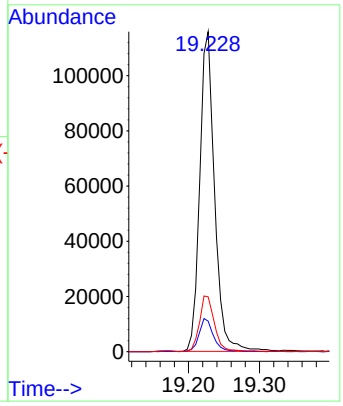





#75
Fluoranthene
Concen: 4.89 ng
RT: 19.228 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:202 Resp: 16886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.5 | 0.0 | 30.3 |
| 203 | 17.2 | 0.0 | 37.5 |




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

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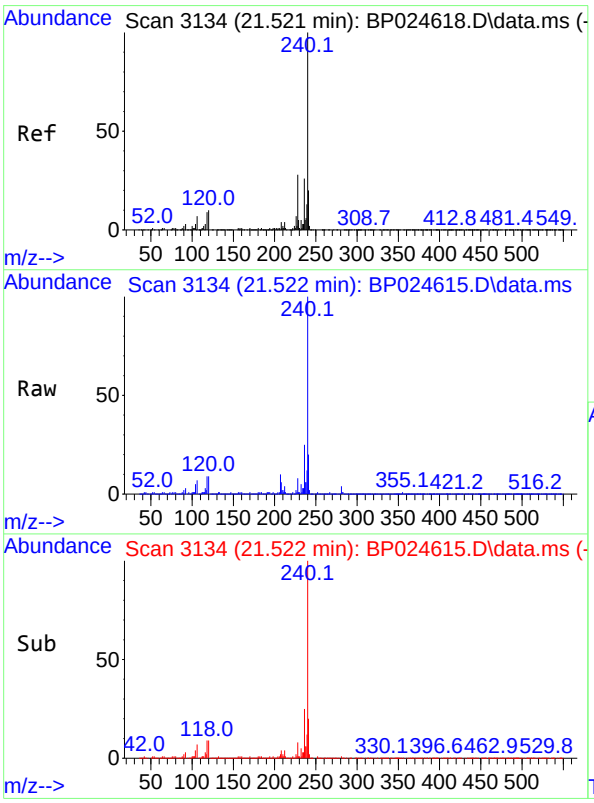
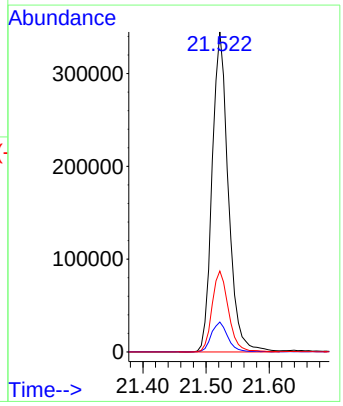
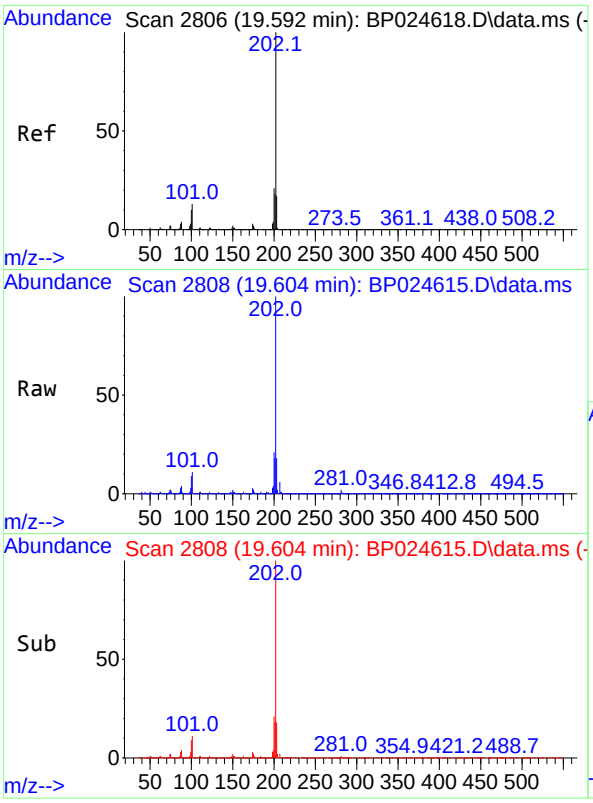



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.522 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:240 Resp: 614288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.4 | 7.8 | 11.6 |
| 236 | 25.3 | 20.6 | 31.0 |

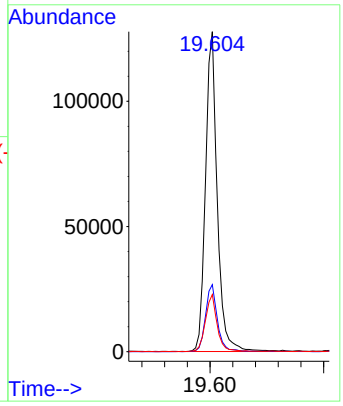





#78
Pyrene
Concen: 4.94 ng
RT: 19.604 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:202 Resp: 18181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.0 | 16.9 | 25.3 |
| 203 | 17.8 | 13.9 | 20.9 |




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

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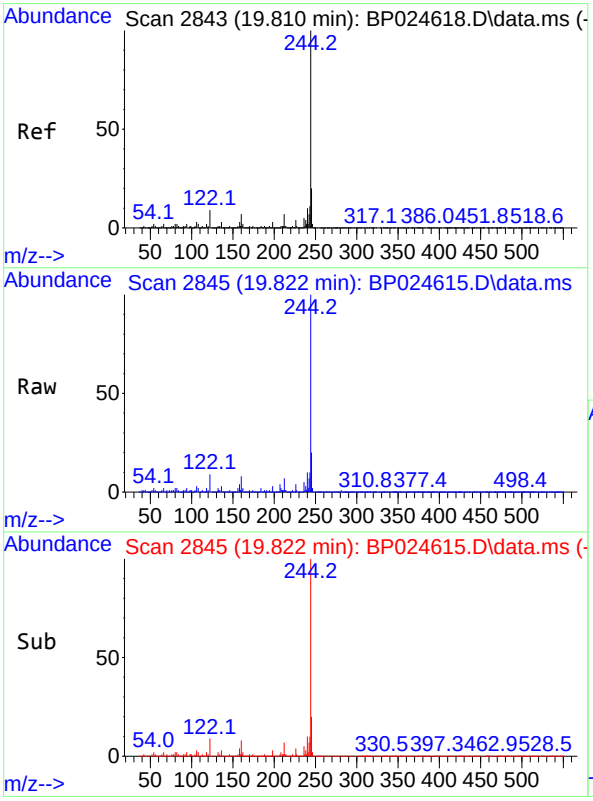
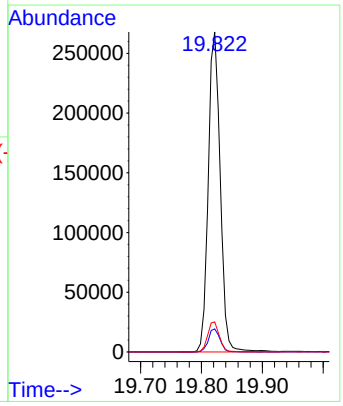
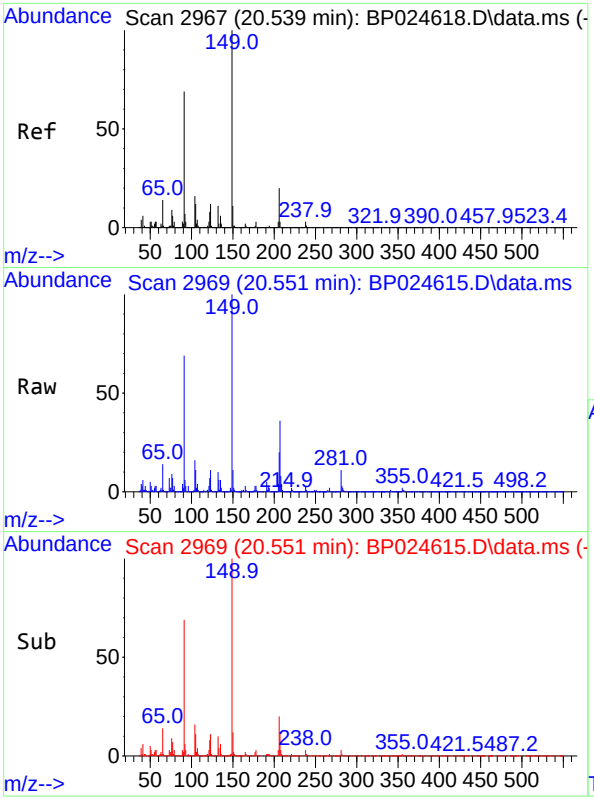



#79
Terphenyl-d14
Concen: 10.22 ng
RT: 19.822 min Scan# 2845
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:244 Resp: 366245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 5.5 | 8.3 |
| 122 | 9.4 | 7.4 | 11.0 |

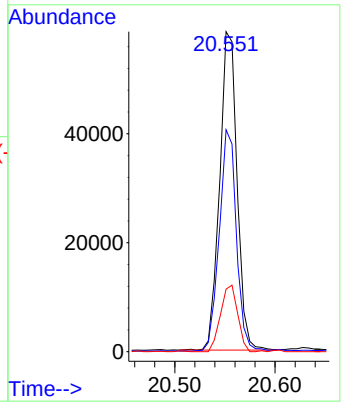





#80
Butylbenzylphthalate
Concen: 4.30 ng
RT: 20.551 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:149 Resp: 7034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 69.3 | 55.4 | 83.0 |
| 206 | 19.5 | 16.2 | 24.2 |




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

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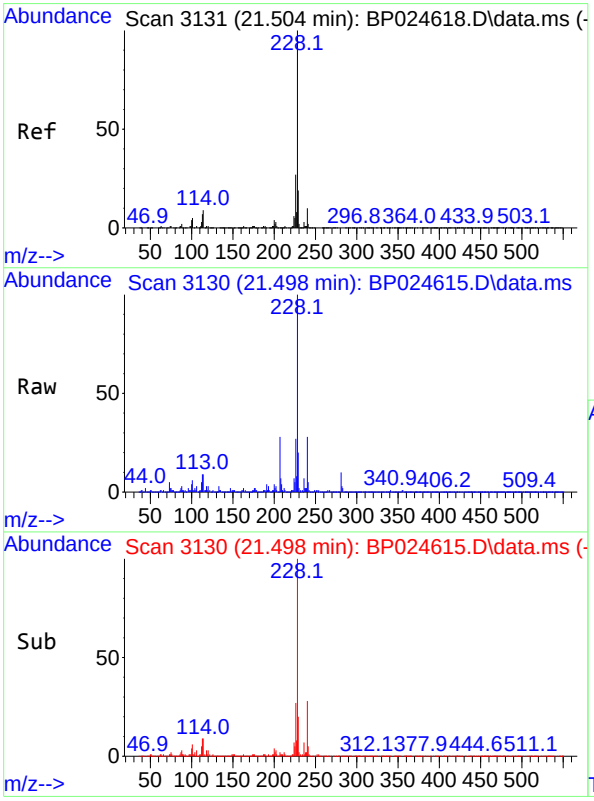
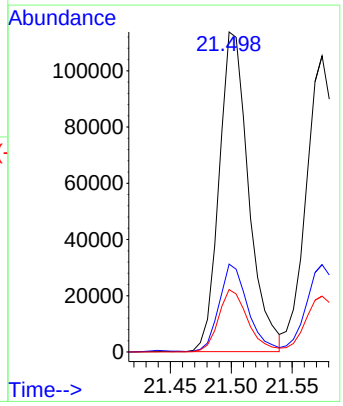
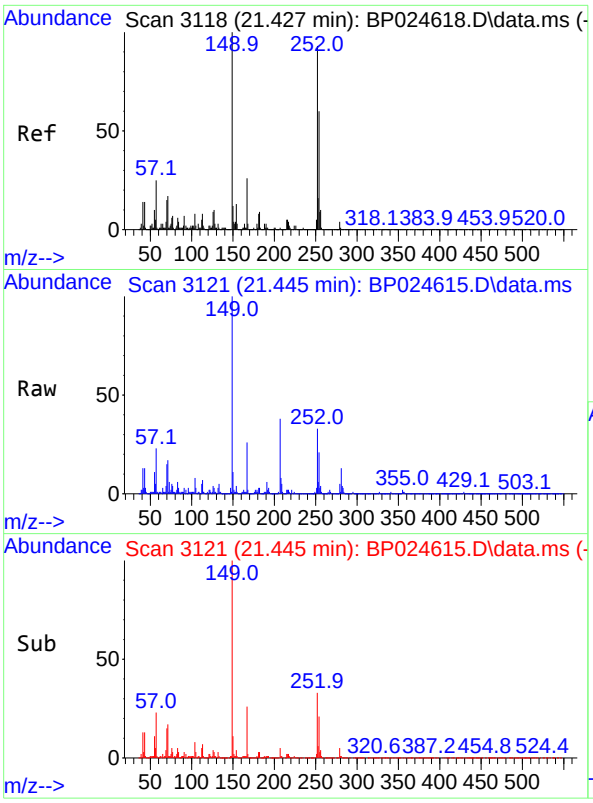



#81
Benzo(a)anthracene
Concen: 4.98 ng
RT: 21.498 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:228 Resp: 192110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.5 | 21.4 | 32.0 |
| 229 | 19.5 | 15.5 | 23.3 |

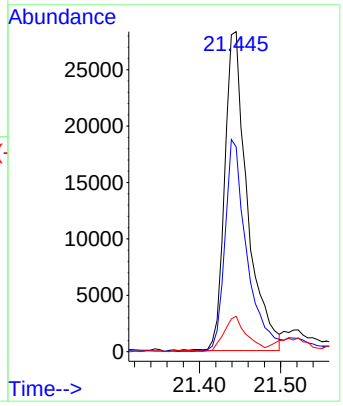





#82
3,3'-Dichlorobenzidine
Concen: 3.82 ng
RT: 21.445 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:252 Resp: 5479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.0 | 51.8 | 77.6 |
| 126 | 11.0 | 7.7 | 11.5 |




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

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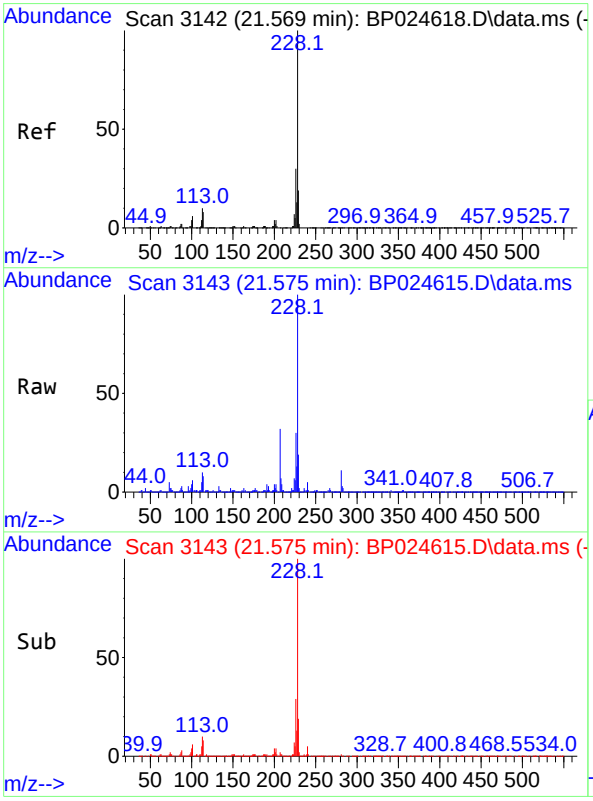
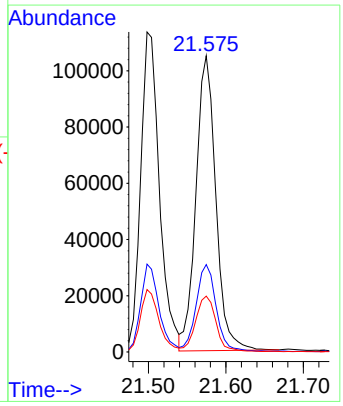
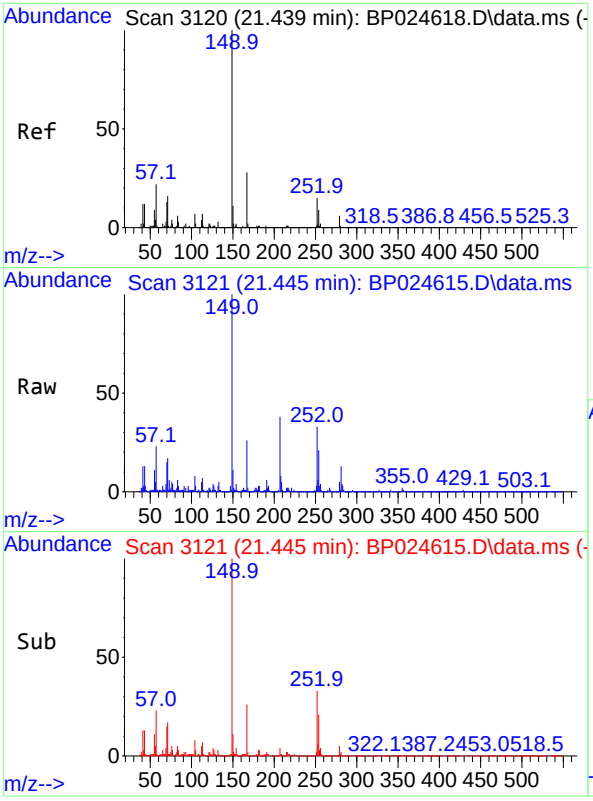



#83
Chrysene
Concen: 5.10 ng
RT: 21.575 min Scan# 3143
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:228 Resp: 186449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.5 | 23.9 | 35.9 |
| 229 | 18.9 | 15.5 | 23.3 |






#84
Bis(2-ethylhexyl)phthalate
Concen: 4.29 ng
RT: 21.445 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

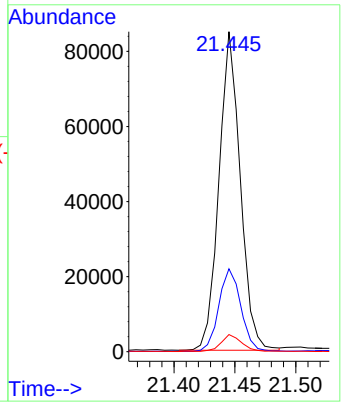
Tgt Ion:149 Resp: 10328

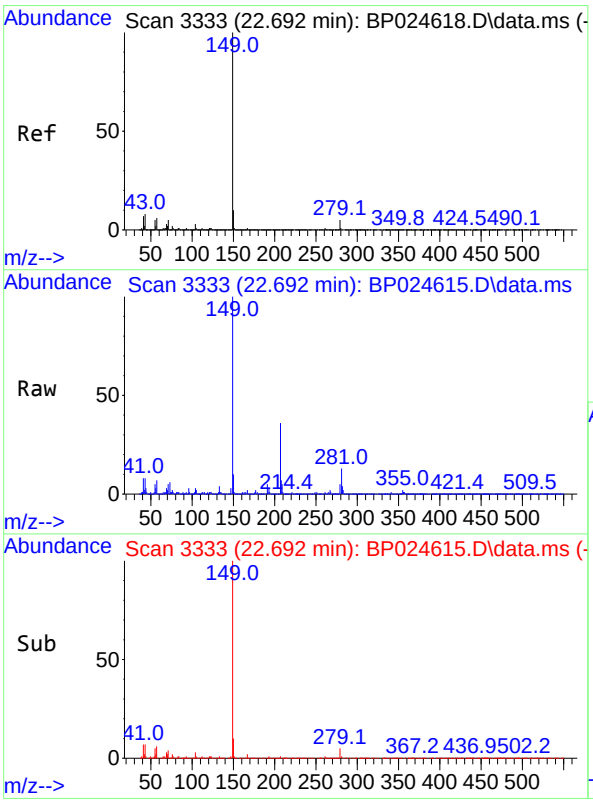
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 25.9 | 22.1 | 33.1 |
| 279 | 5.4 | 4.6 | 6.8 |

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

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

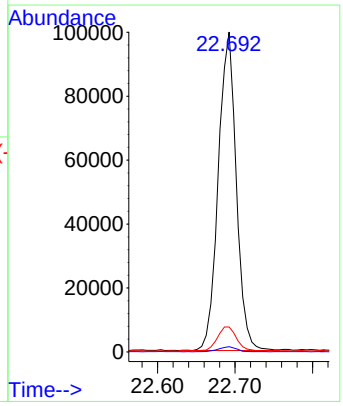


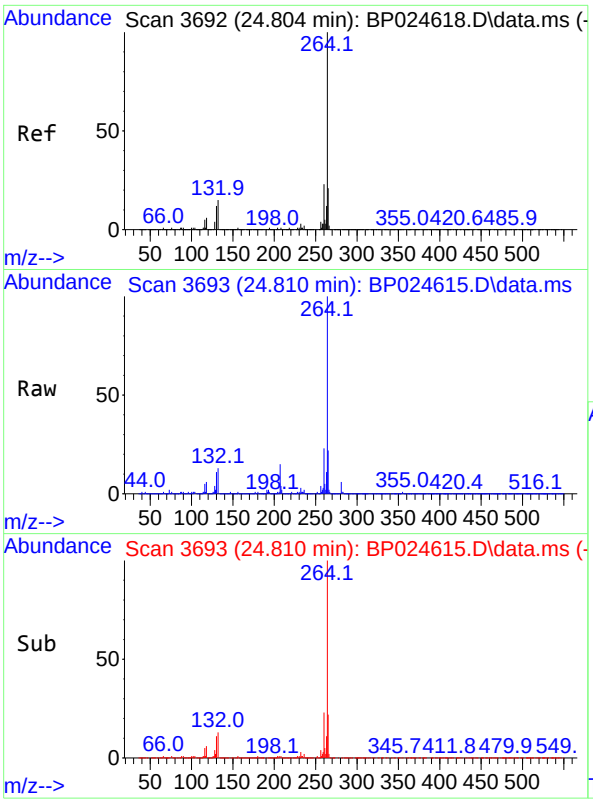




#85
Di-n-octyl phthalate
Concen: 4.09 ng
RT: 22.692 min Scan# 3333
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:149 Resp: 160883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.2 | 1.8 |
| 43 | 8.2 | 6.3 | 9.5 |

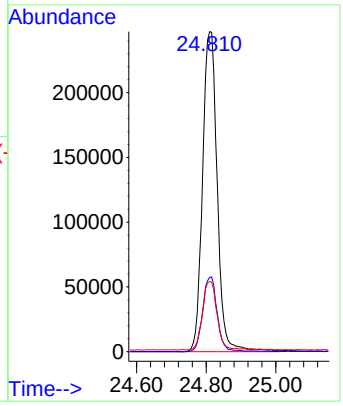





#86
Perylene-d12
Concen: 20.00 ng
RT: 24.810 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:264 Resp: 72426

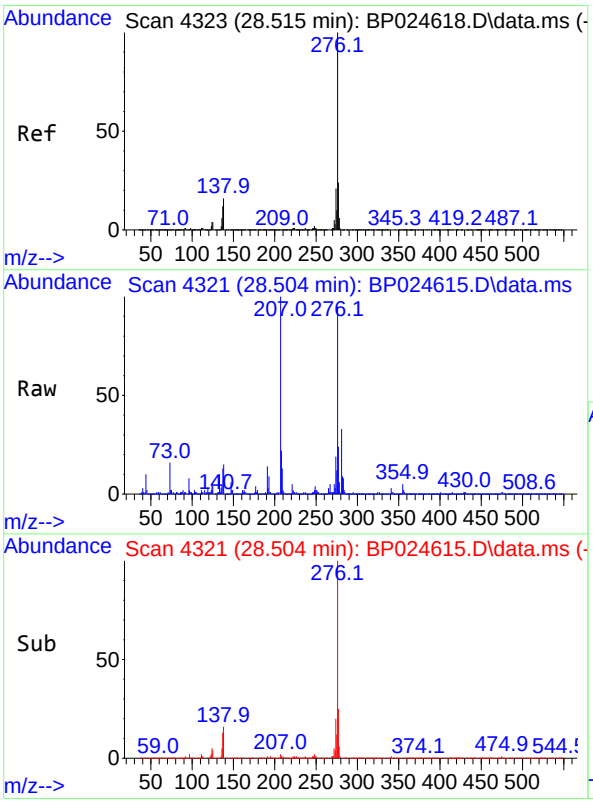
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 18.7 | 28.1 |
| 265 | 22.0 | 17.0 | 25.6 |




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

**Manual Integrations APPROVED**

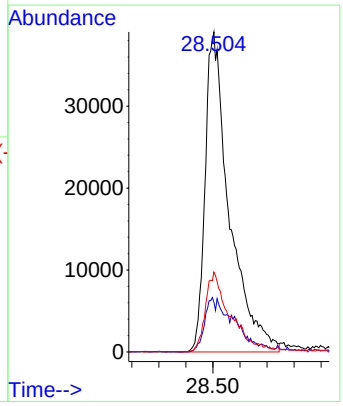
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

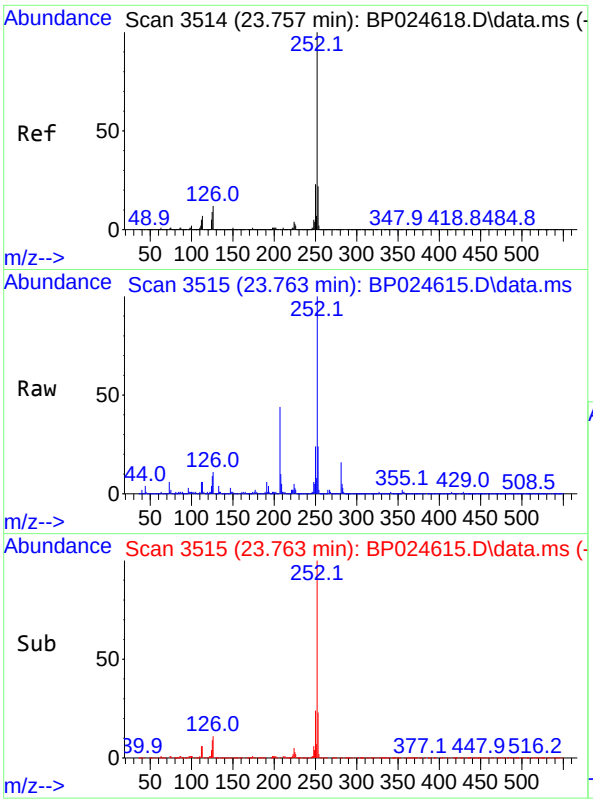



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.59 ng
RT: 28.504 min Scan# 4321
Delta R.T. -0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:276 Resp: 242814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 7.4 | 11.2 | 16.8# |
| 277 | 24.4 | 15.7 | 23.5# |

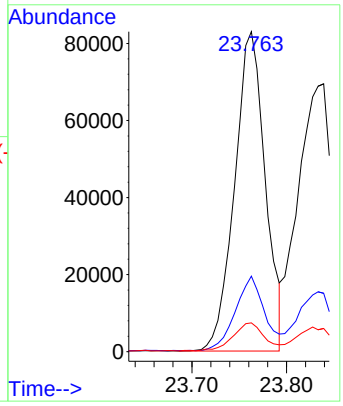





#88
Benzo(b)fluoranthene
Concen: 4.49 ng
RT: 23.763 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:252 Resp: 18605

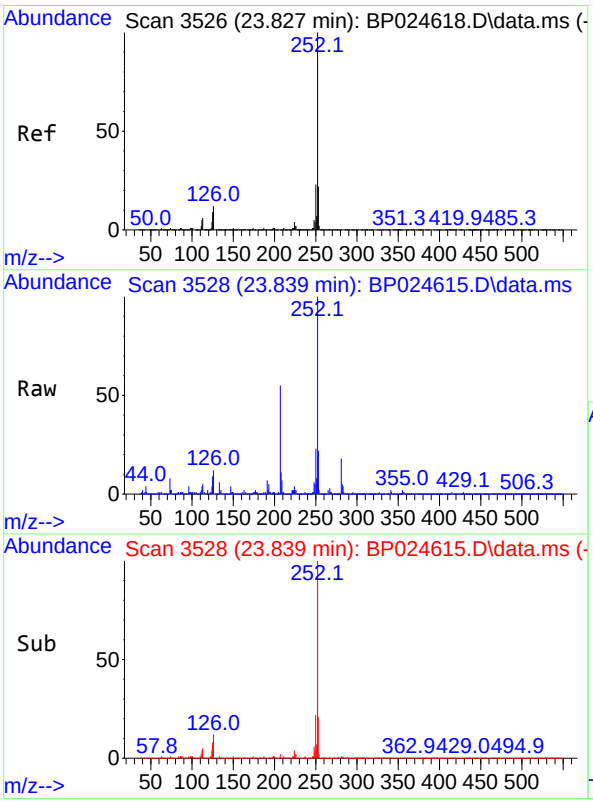
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.6 | 17.7 | 26.5 |
| 125 | 9.0 | 7.5 | 11.3 |




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

**Manual Integrations APPROVED**

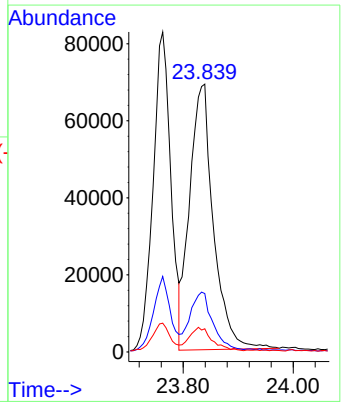
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

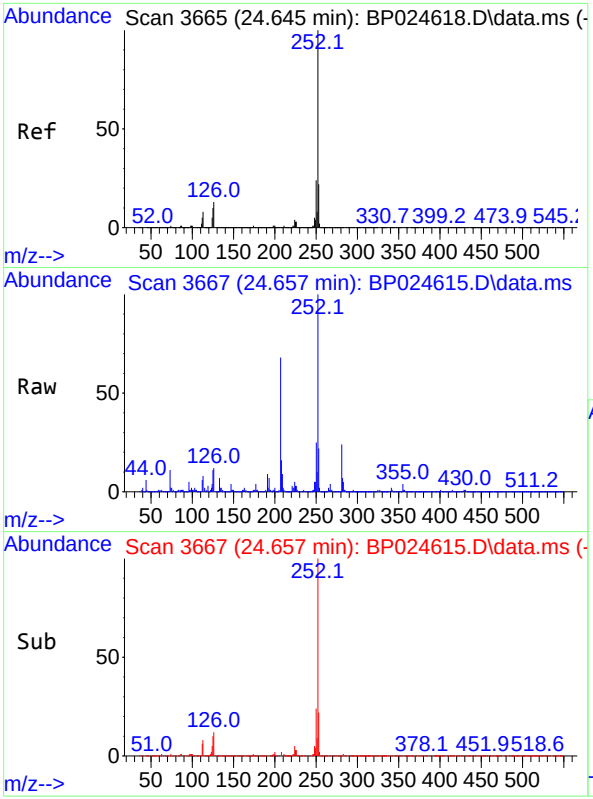



#89
Benzo(k)fluoranthene
Concen: 4.86 ng
RT: 23.839 min Scan# 3528
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:252 Resp: 207645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.6 | 26.4 |
| 125 | 8.7 | 7.0 | 10.4 |

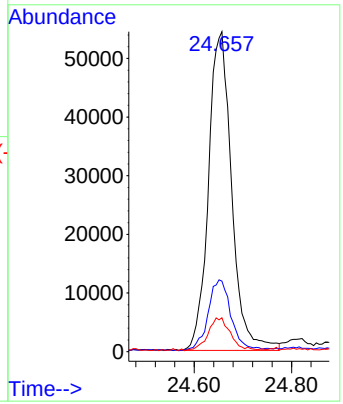





#90
Benzo(a)pyrene
Concen: 4.52 ng
RT: 24.657 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:252 Resp: 18015

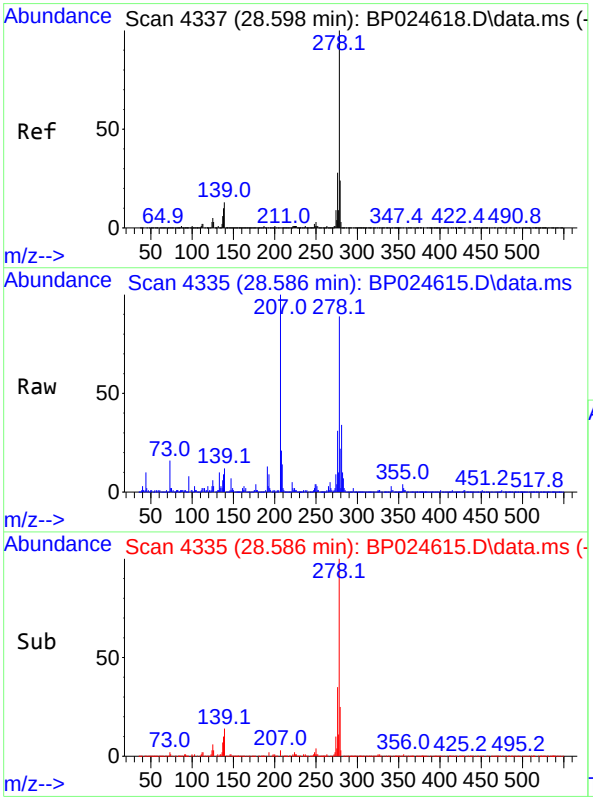
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.7 | 26.5 |
| 125 | 10.6 | 8.1 | 12.1 |




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

**Manual Integrations APPROVED**

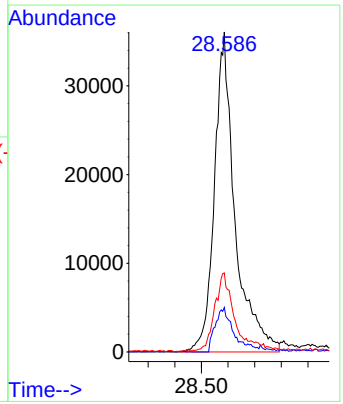
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

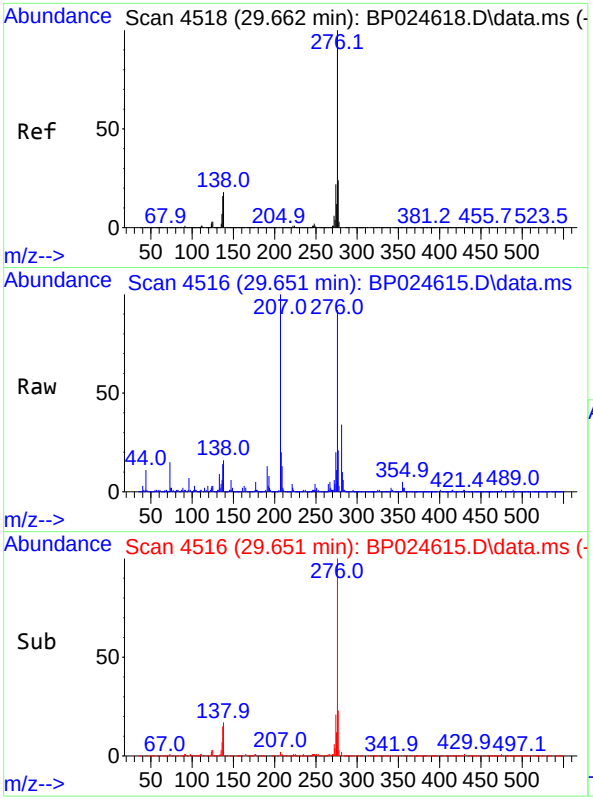



#91
Dibenzo(a,h)anthracene
Concen: 4.50 ng
RT: 28.586 min Scan# 4335
Delta R.T. -0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:278 Resp: 193373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.9 | 10.2 | 15.4 |
| 279 | 24.7 | 19.0 | 28.4 |

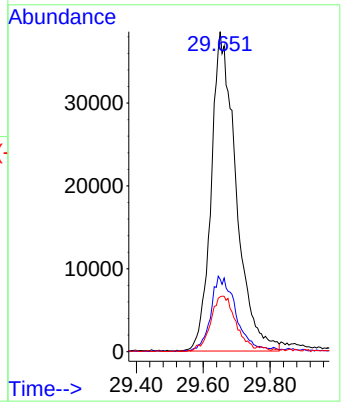





#92
Benzo(g,h,i)perylene
Concen: 4.66 ng
RT: 29.651 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:276 Resp: 19936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 22.7 | 19.0 | 28.4 |
| 138 | 17.2 | 14.4 | 21.6 |




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

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024616.D
Acq On : 13 May 2025 12:03
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:04:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.663 | 152 | 94972 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.434 | 136 | 398657 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.292 | 164 | 268335 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.098 | 188 | 556673 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.516 | 240 | 659092 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.798 | 264 | 780142 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.293 | 112 | 104115 | 18.75 | ng | | 0.00 |
| 7) Phenol-d6 | 6.858 | 99 | 127652 | 18.01 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.810 | 82 | 149876 | 19.00 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.810 | 330 | 86099 | 18.93 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.904 | 172 | 401986 | 19.63 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.822 | 244 | 733687 | 19.09 | ng | | 0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.228 | 88 | 26472 | 10.15 | ng | | 99 |
| 3) Pyridine | 3.634 | 79 | 53915 | 9.33 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.540 | 42 | 24093 | 9.44 | ng | # | 96 |
| 6) Aniline | 7.005 | 93 | 80863 | 8.84 | ng | | 99 |
| 8) 2-Chlorophenol | 7.240 | 128 | 57182 | 9.07 | ng | | 99 |
| 9) Benzaldehyde | 6.822 | 77 | 47848m | 10.45 | ng | | |
| 10) Phenol | 6.881 | 94 | 66520 | 9.09 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.093 | 93 | 55575 | 9.25 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.557 | 146 | 70590 | 9.73 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 7.699 | 146 | 71467 | 9.80 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.010 | 146 | 69643 | 9.80 | ng | | 96 |
| 15) Benzyl Alcohol | 7.916 | 79 | 45094 | 8.37 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.187 | 45 | 68599 | 9.53 | ng | | 98 |
| 17) 2-Methylphenol | 8.116 | 107 | 45071 | 8.59 | ng | | 96 |
| 18) Hexachloroethane | 8.728 | 117 | 28078 | 10.05 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 8.463 | 70 | 45927 | 9.37 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.446 | 107 | 61832 | 8.66 | ng | | 95 |
| 22) Acetophenone | 8.481 | 105 | 95803 | 9.62 | ng | # | 99 |
| 24) Nitrobenzene | 8.857 | 77 | 67735 | 9.76 | ng | | 98 |
| 25) Isophorone | 9.375 | 82 | 127474 | 9.31 | ng | | 99 |
| 26) 2-Nitrophenol | 9.563 | 139 | 28470 | 8.37 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 9.628 | 122 | 55664 | 9.28 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 9.851 | 93 | 78019 | 9.54 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.110 | 162 | 51386 | 8.84 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.304 | 180 | 64245 | 9.81 | ng | | 96 |
| 31) Naphthalene | 10.481 | 128 | 204468 | 9.90 | ng | | 99 |
| 32) Benzoic acid | 9.746 | 122 | 17770m | 10.42 | ng | | |
| 33) 4-Chloroaniline | 10.610 | 127 | 73990 | 8.88 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.769 | 225 | 42567 | 10.03 | ng | | 97 |
| 35) Caprolactam | 11.381 | 113 | 18245m | 8.68 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.746 | 107 | 64857 | 9.15 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.098 | 142 | 130412 | 9.75 | ng | | 100 |
| 38) 1-Methylnaphthalene | 12.316 | 142 | 139573 | 9.75 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.475 | 216 | 74824 | 9.60 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.451 | 237 | 37072 | 7.85 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.722 | 196 | 45798 | 9.07 | ng | | 96 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024616.D
Acq On : 13 May 2025 12:03
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:04:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 12.810 | 196 | 50348 | 8.96 | ng | | 94 |
| 46) | 1,1'-Biphenyl | 13.122 | 154 | 192445 | 9.70 | ng | | 100 |
| 47) | 2-Chloronaphthalene | 13.163 | 162 | 148443 | 9.82 | ng | | 99 |
| 48) | 2-Nitroaniline | 13.375 | 65 | 40786 | 9.11 | ng | | 93 |
| 49) | Acenaphthylene | 14.010 | 152 | 243913 | 9.64 | ng | | 98 |
| 50) | Dimethylphthalate | 13.751 | 163 | 204825 | 10.01 | ng | | 99 |
| 51) | 2,6-Dinitrotoluene | 13.869 | 165 | 41257 | 9.55 | ng | | 92 |
| 52) | Acenaphthene | 14.357 | 154 | 141360 | 9.72 | ng | | 99 |
| 53) | 3-Nitroaniline | 14.216 | 138 | 36906 | 8.37 | ng | | 99 |
| 54) | 2,4-Dinitrophenol | 14.439 | 184 | 13128 | 10.84 | ng | | 95 |
| 55) | Dibenzofuran | 14.704 | 168 | 230286 | 9.92 | ng | | 99 |
| 56) | 4-Nitrophenol | 14.575 | 139 | 21349 | 9.53 | ng | | 93 |
| 57) | 2,4-Dinitrotoluene | 14.675 | 165 | 56617 | 9.30 | ng | | 94 |
| 58) | Fluorene | 15.357 | 166 | 189781 | 10.03 | ng | | 100 |
| 59) | 2,3,4,6-Tetrachlorophenol | 14.939 | 232 | 48821 | 9.37 | ng | | 99 |
| 60) | Diethylphthalate | 15.134 | 149 | 206886 | 10.01 | ng | | 99 |
| 61) | 4-Chlorophenyl-phenyle... | 15.357 | 204 | 93517 | 9.91 | ng | | 97 |
| 62) | 4-Nitroaniline | 15.404 | 138 | 34813m | 8.11 | ng | | |
| 63) | Azobenzene | 15.657 | 77 | 174322 | 9.86 | ng | | 98 |
| 65) | 4,6-Dinitro-2-methylph... | 15.457 | 198 | 26174 | 7.28 | ng | | 96 |
| 66) | n-Nitrosodiphenylamine | 15.575 | 169 | 164008 | 9.59 | ng | | 99 |
| 67) | 4-Bromophenyl-phenylether | 16.269 | 248 | 62011 | 9.45 | ng | | 97 |
| 68) | Hexachlorobenzene | 16.392 | 284 | 80088 | 9.61 | ng | | 98 |
| 69) | Atrazine | 16.551 | 200 | 58245 | 9.30 | ng | | 99 |
| 70) | Pentachlorophenol | 16.757 | 266 | 38095m | 8.14 | ng | | |
| 71) | Phenanthrene | 17.139 | 178 | 301863 | 9.75 | ng | | 100 |
| 72) | Anthracene | 17.239 | 178 | 296146 | 9.51 | ng | | 100 |
| 73) | Carbazole | 17.522 | 167 | 262687 | 9.32 | ng | | 100 |
| 74) | Di-n-butylphthalate | 18.116 | 149 | 338893 | 9.35 | ng | | 100 |
| 75) | Fluoranthene | 19.227 | 202 | 349083 | 9.65 | ng | | 99 |
| 77) | Benzidine | 19.445 | 184 | 119229m | 6.59 | ng | | |
| 78) | Pyrene | 19.604 | 202 | 374573 | 9.48 | ng | | 100 |
| 80) | Butylbenzylphthalate | 20.551 | 149 | 153275 | 8.73 | ng | | 99 |
| 81) | Benzo(a)anthracene | 21.498 | 228 | 401322 | 9.70 | ng | | 99 |
| 82) | 3,3'-Dichlorobenzidine | 21.433 | 252 | 129324 | 8.41 | ng | | 99 |
| 83) | Chrysene | 21.569 | 228 | 388846 | 9.91 | ng | | 98 |
| 84) | Bis(2-ethylhexyl)phtha... | 21.439 | 149 | 225047 | 8.72 | ng | | 100 |
| 85) | Di-n-octyl phthalate | 22.680 | 149 | 367934 | 8.72 | ng | | 100 |
| 87) | Indeno(1,2,3-cd)pyrene | 28.503 | 276 | 529260 | 9.29 | ng | # | 92 |
| 88) | Benzo(b)fluoranthene | 23.751 | 252 | 417343 | 9.35 | ng | | 99 |
| 89) | Benzo(k)fluoranthene | 23.821 | 252 | 431575 | 9.38 | ng | | 99 |
| 90) | Benzo(a)pyrene | 24.627 | 252 | 390288 | 9.10 | ng | | 100 |
| 91) | Dibenzo(a,h)anthracene | 28.574 | 278 | 415768 | 8.97 | ng | | 99 |
| 92) | Benzo(g,h,i)perylene | 29.650 | 276 | 431559 | 9.37 | ng | | 97 |

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

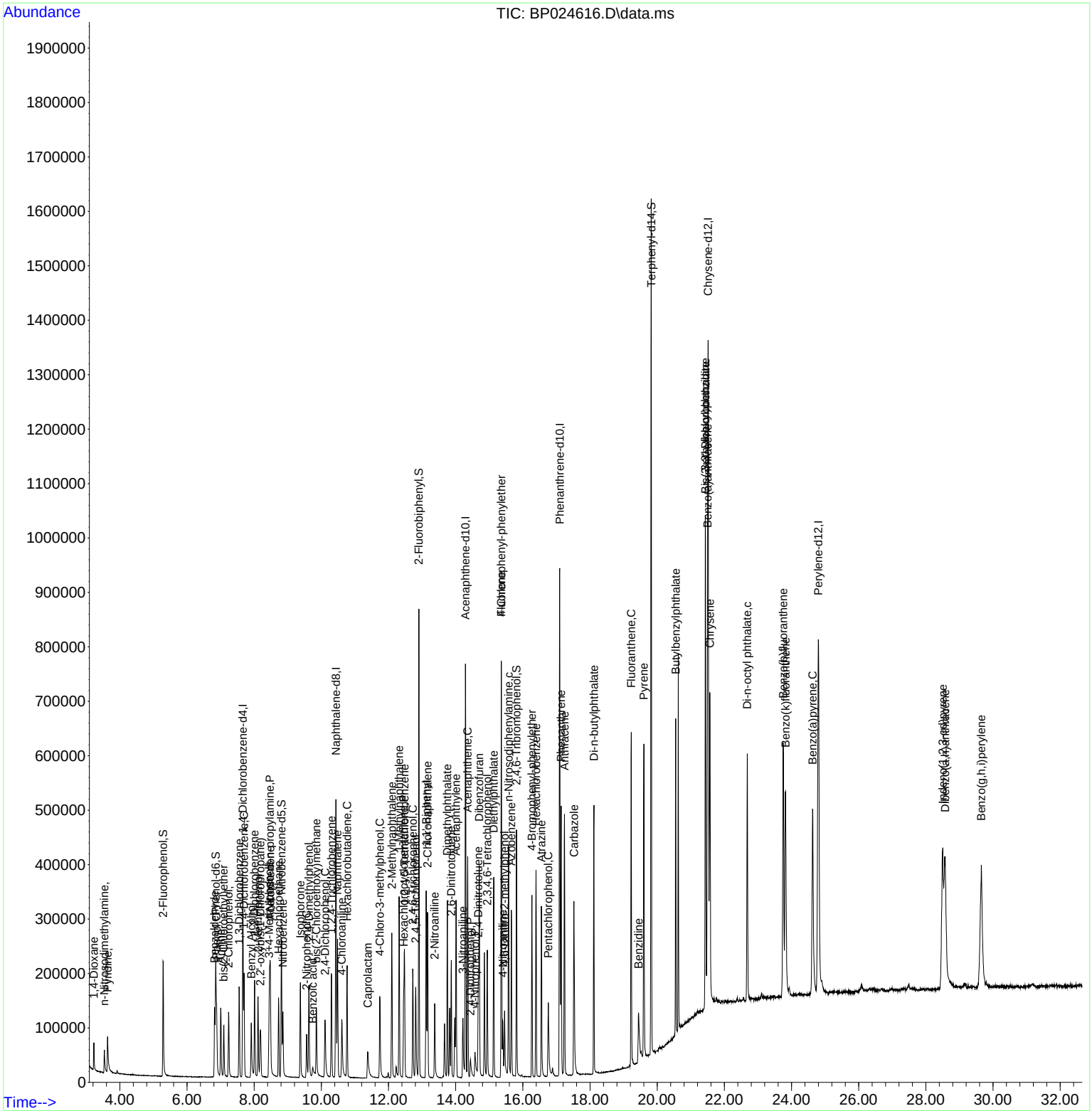
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024616.D
Acq On : 13 May 2025 12:03
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

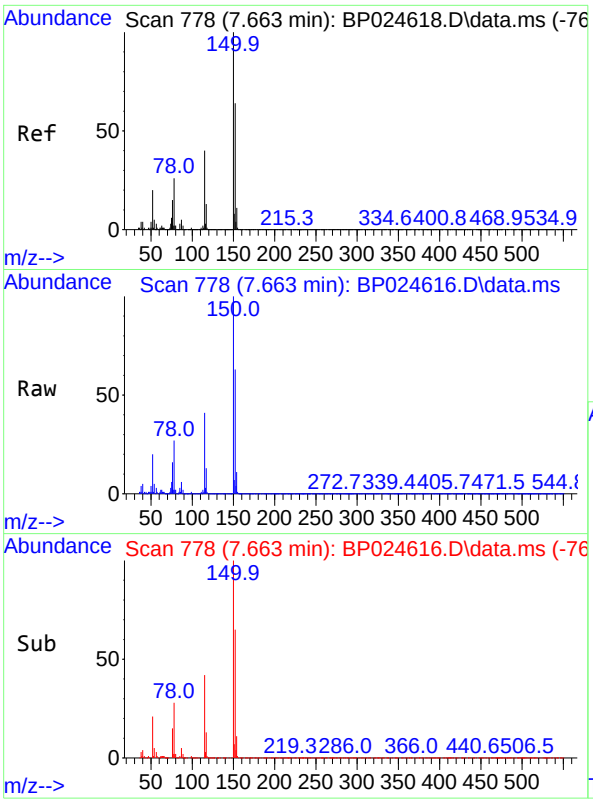
Quant Time: May 13 16:04:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

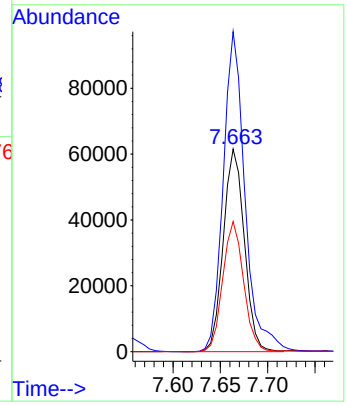





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:152 Resp: 9497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.0 | 125.9 | 188.9 |
| 115 | 64.2 | 50.1 | 75.1 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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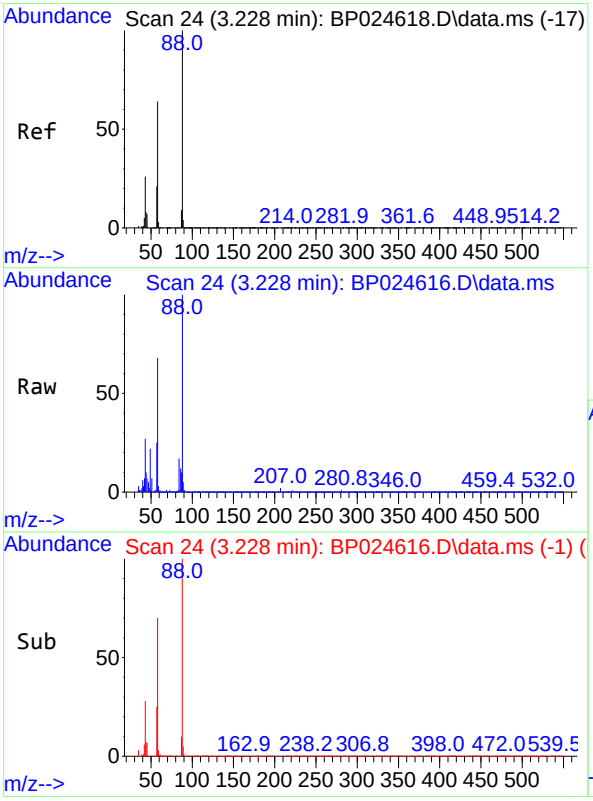
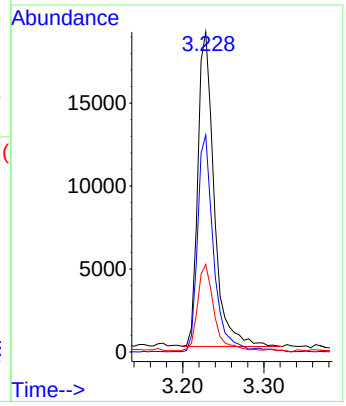
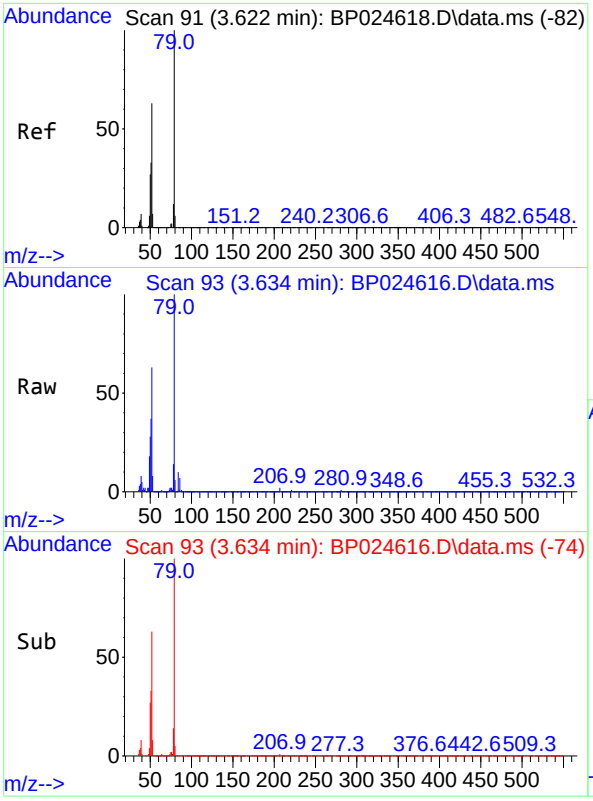



#2
1,4-Dioxane
Concen: 10.15 ng
RT: 3.228 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 88 Resp: 26472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 67.6 | 54.0 | 81.0 |
| 43 | 27.8 | 21.4 | 32.0 |

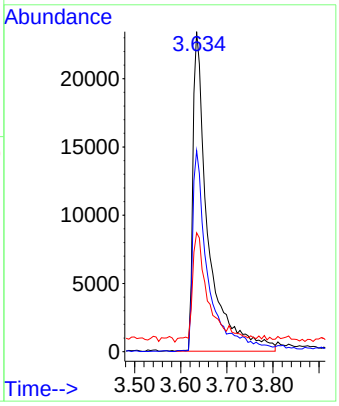





#3
Pyridine
Concen: 9.33 ng
RT: 3.634 min Scan# 9
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 79 Resp: 5391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 62.8 | 50.2 | 75.2 |
| 51 | 37.1 | 26.8 | 40.2 |




**Instrument :**
BNA_P
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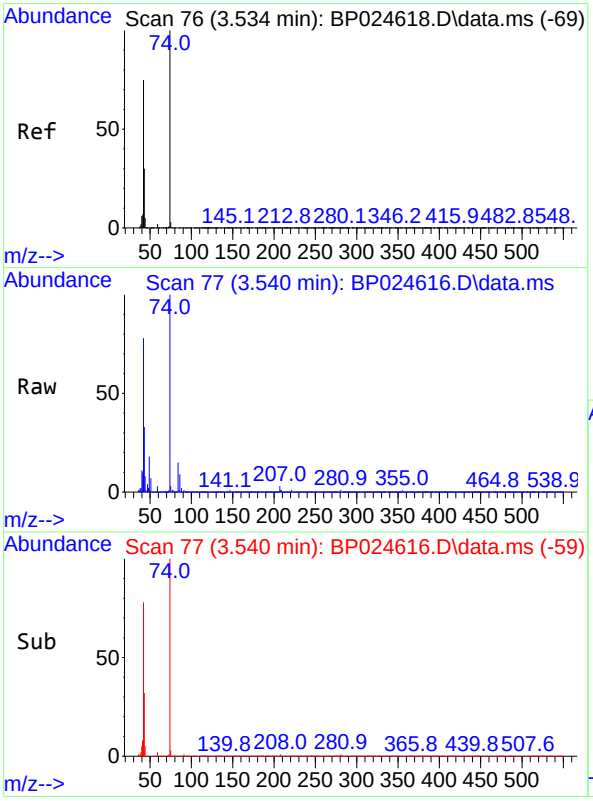
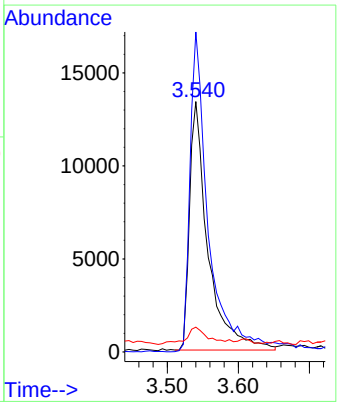
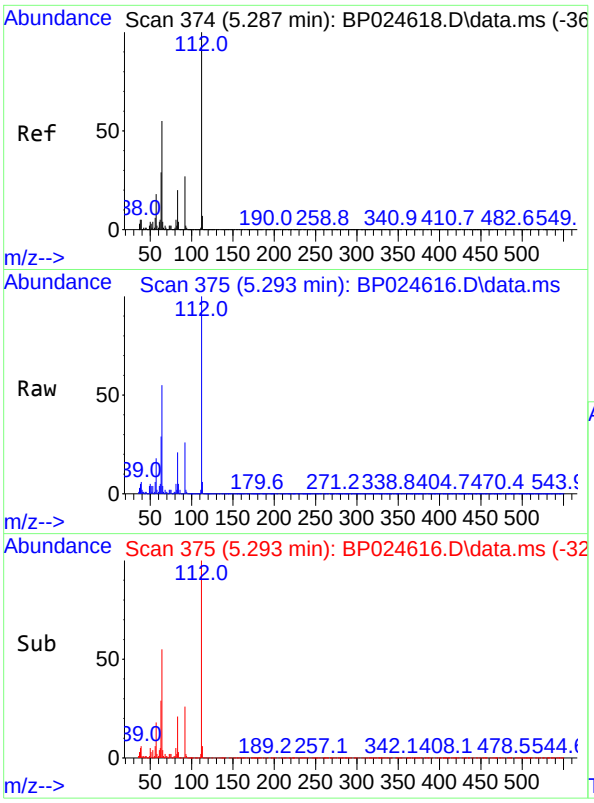



#4
n-Nitrosodimethylamine
Concen: 9.44 ng
RT: 3.540 min Scan# 77
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 42 Resp: 24093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 127.8 | 106.2 | 159.2 |
| 44 | 9.9 | 5.4 | 8.2# |

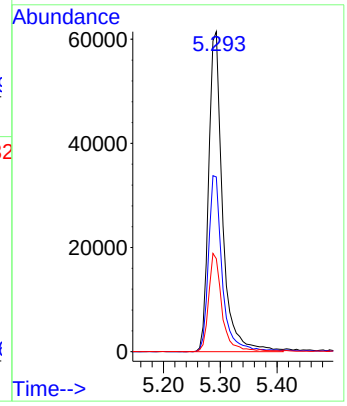





#5
2-Fluorophenol
Concen: 18.75 ng
RT: 5.293 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:112 Resp: 10411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.6 | 44.1 | 66.1 |
| 63 | 29.0 | 23.5 | 35.3 |




**Instrument :**
BNA_P
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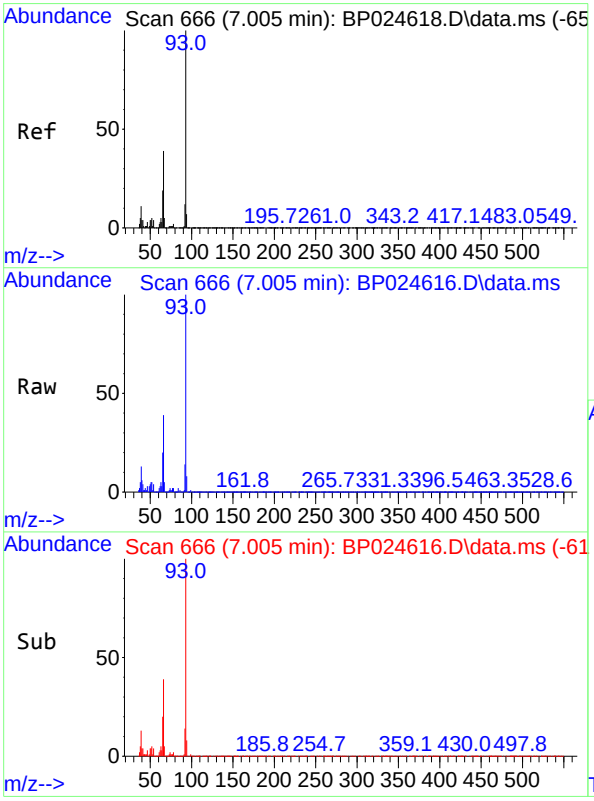
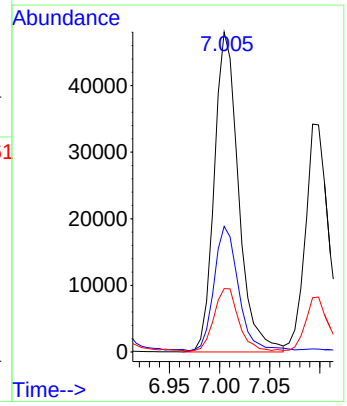
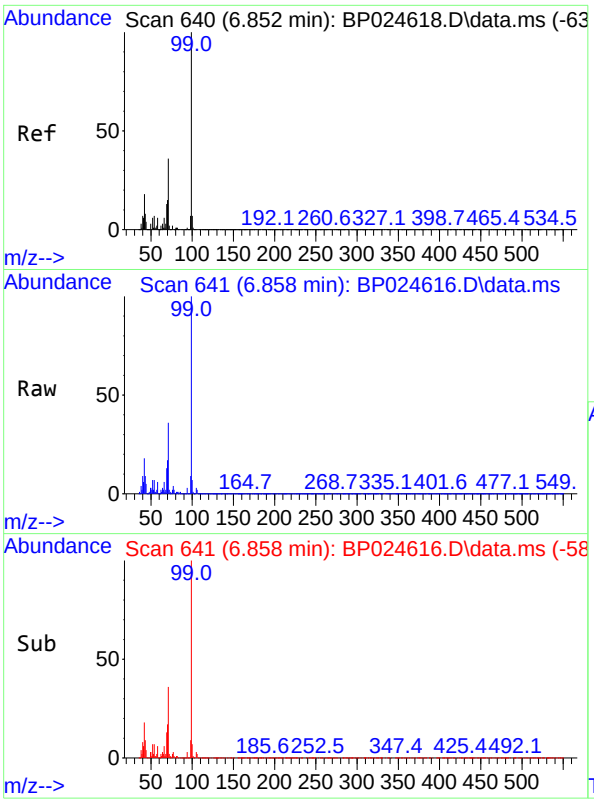



#6
Aniline
Concen: 8.84 ng
RT: 7.005 min Scan# 666
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 93 Resp: 80863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.2 | 31.0 | 46.6 |
| 65 | 19.8 | 15.5 | 23.3 |

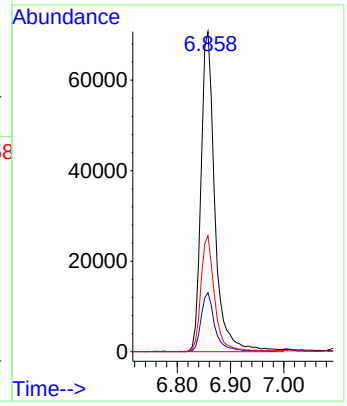





#7
Phenol-d6
Concen: 18.01 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 99 Resp: 12765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.4 | 14.4 | 21.6 |
| 71 | 36.3 | 29.2 | 43.8 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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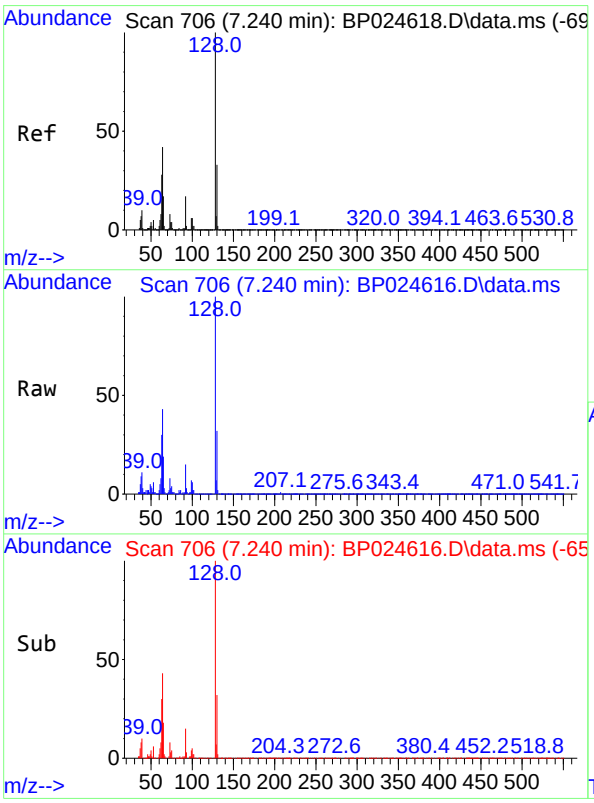
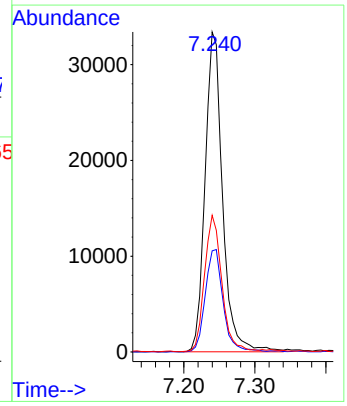
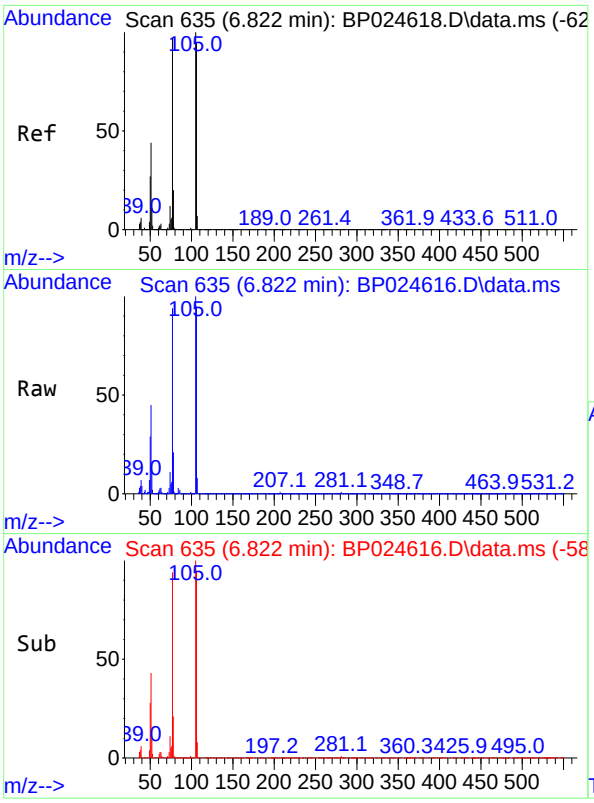



#8
2-Chlorophenol
Concen: 9.07 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:128 Resp: 57182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 31.6 | 13.0 | 53.0 |
| 64 | 42.7 | 22.3 | 62.3 |

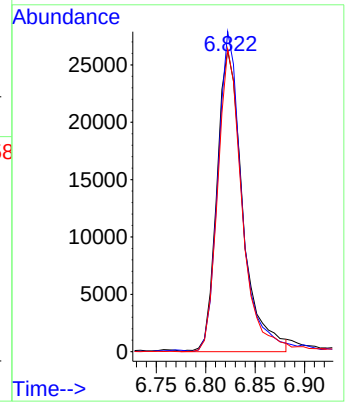





#9
Benzaldehyde
Concen: 10.45 ng m
RT: 6.822 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 77 Resp: 4784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 106.2 | 83.3 | 123.3 |
| 106 | 100.5 | 78.0 | 118.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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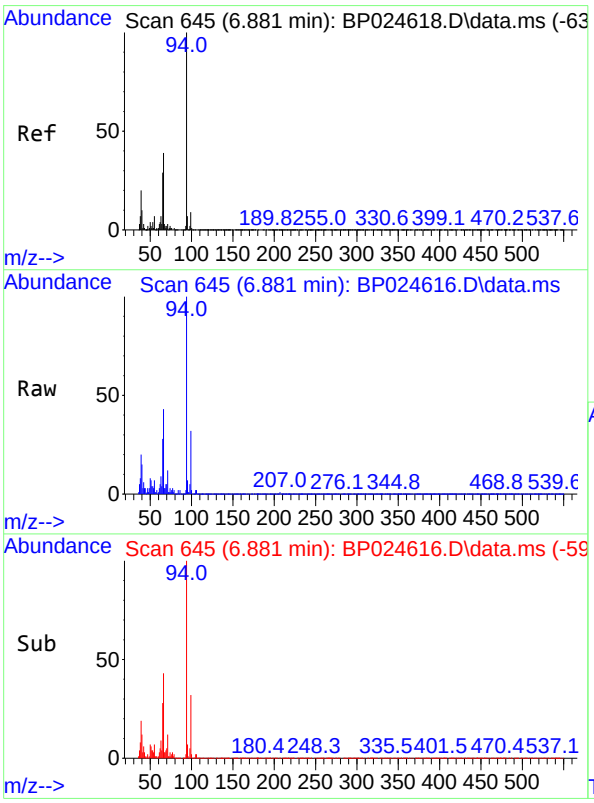
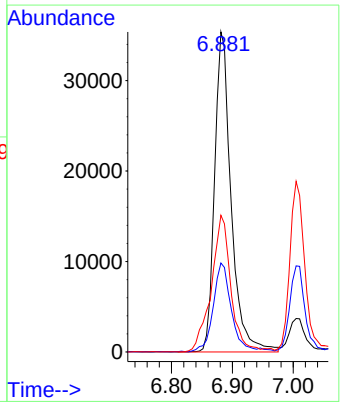
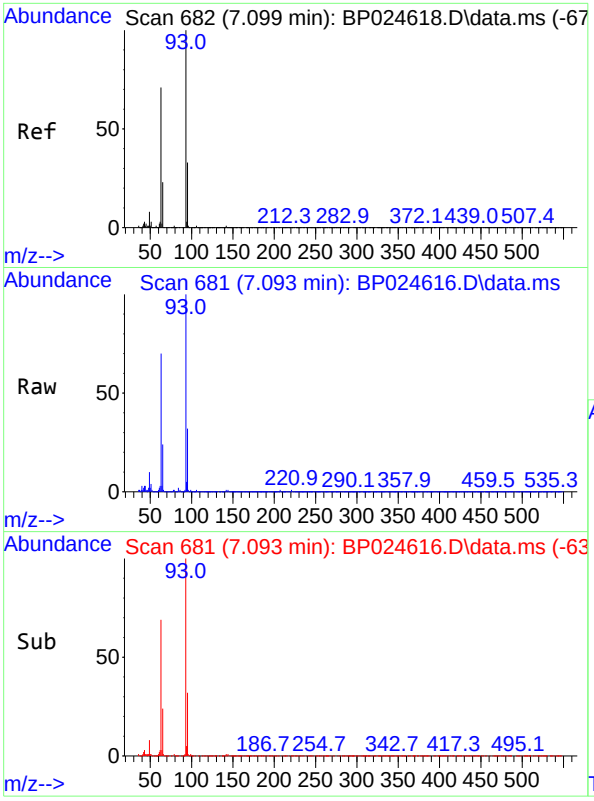



#10
Phenol
Concen: 9.09 ng
RT: 6.881 min Scan# 645
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 94 Resp: 66520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 27.8 | 8.7 | 48.7 |
| 66 | 42.7 | 19.4 | 59.4 |

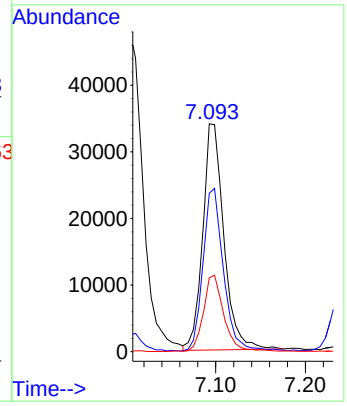





#11
bis(2-Chloroethyl)ether
Concen: 9.25 ng
RT: 7.093 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 93 Resp: 5557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 69.5 | 50.6 | 90.6 |
| 95 | 32.4 | 12.9 | 52.9 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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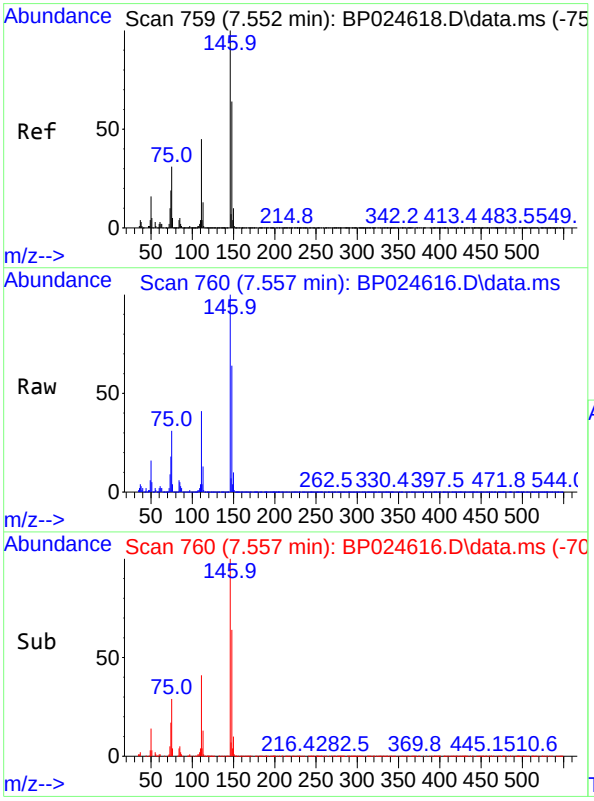
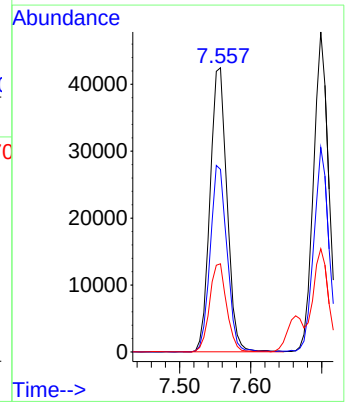
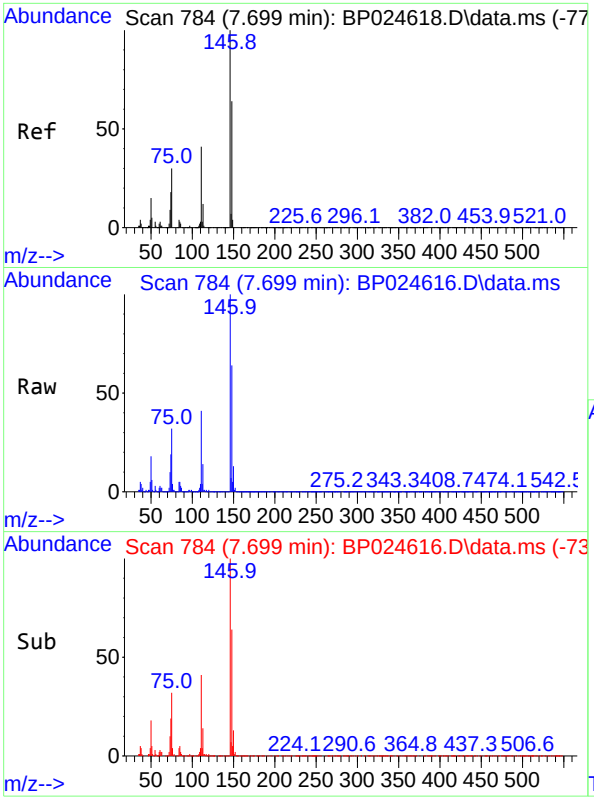



#12
1,3-Dichlorobenzene
Concen: 9.73 ng
RT: 7.557 min Scan# 760
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:146 Resp: 70590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.4 | 77.2 |
| 75 | 31.1 | 25.2 | 37.8 |

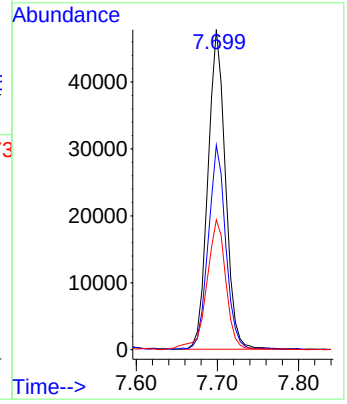





#13
1,4-Dichlorobenzene
Concen: 9.80 ng
RT: 7.699 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:146 Resp: 7146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 51.0 | 76.6 |
| 111 | 40.6 | 33.0 | 49.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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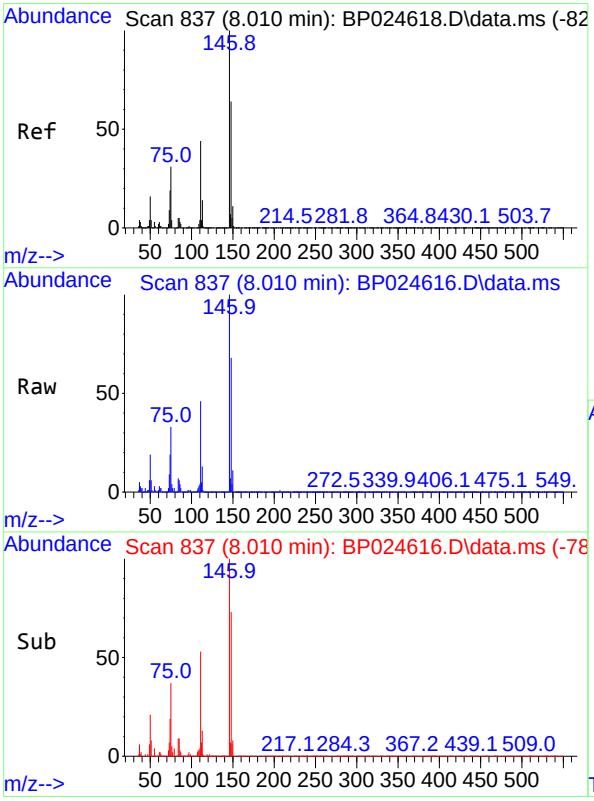
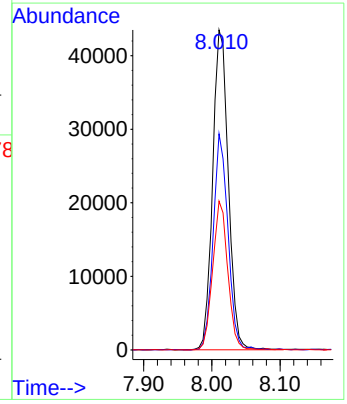
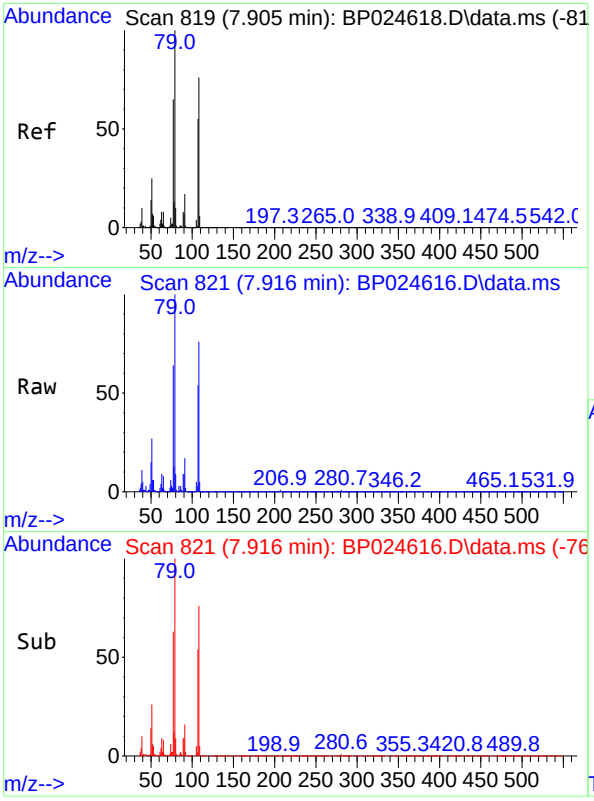



#14
1,2-Dichlorobenzene
Concen: 9.80 ng
RT: 8.010 min Scan# 837
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:146 Resp: 69643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 67.5 | 51.0 | 76.4 |
| 111 | 46.5 | 35.2 | 52.8 |

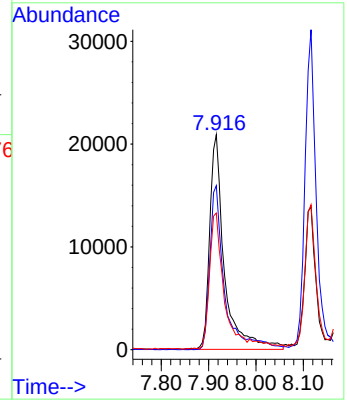





#15
Benzyl Alcohol
Concen: 8.37 ng
RT: 7.916 min Scan# 8
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 79 Resp: 4509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.3 | 60.8 | 91.2 |
| 77 | 63.5 | 51.9 | 77.9 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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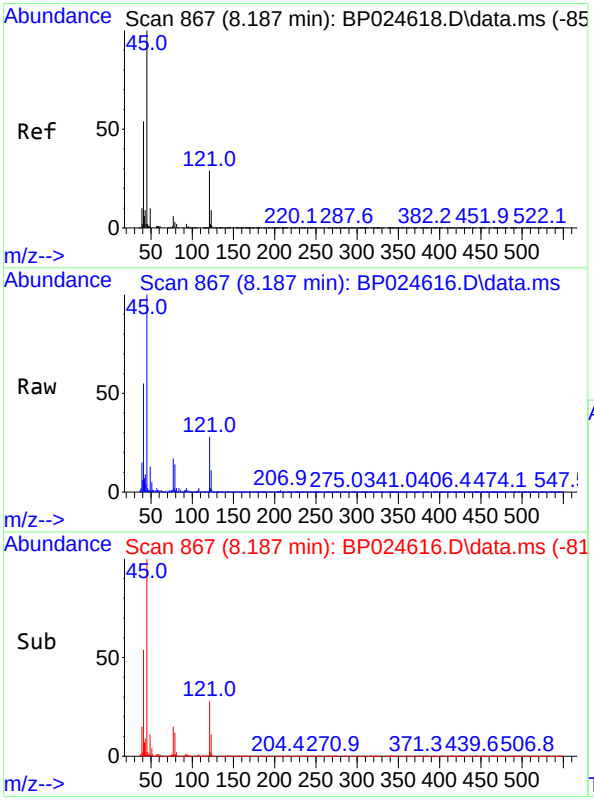
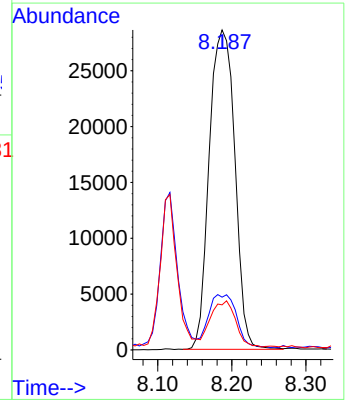
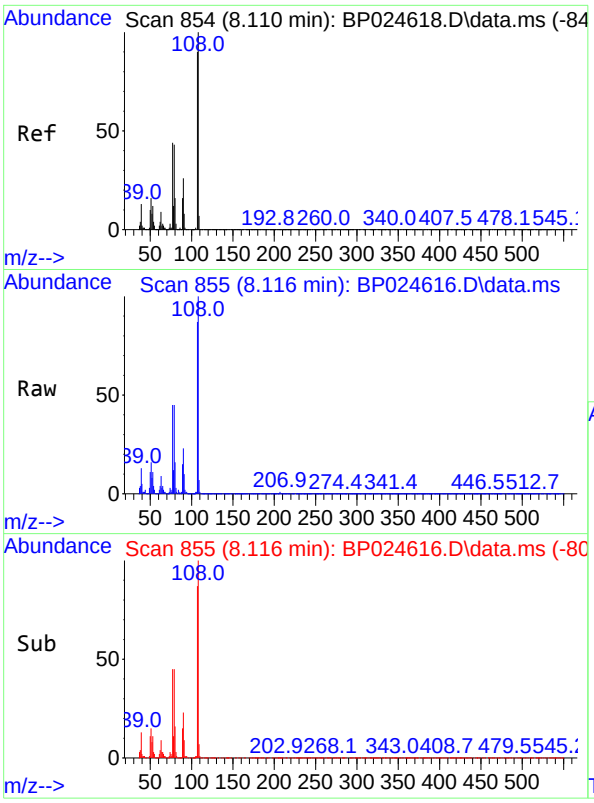



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.53 ng
RT: 8.187 min Scan# 867
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 45 Resp: 68599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 16.5 | 0.0 | 37.7 |
| 79 | 14.1 | 0.0 | 34.0 |

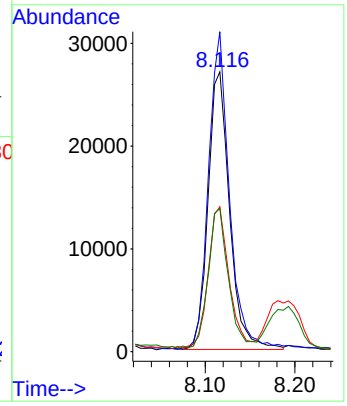





#17
2-Methylphenol
Concen: 8.59 ng
RT: 8.116 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:107 Resp: 4507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.4 | 88.9 | 133.3 |
| 77 | 51.8 | 39.0 | 58.6 |
| 79 | 51.1 | 38.4 | 57.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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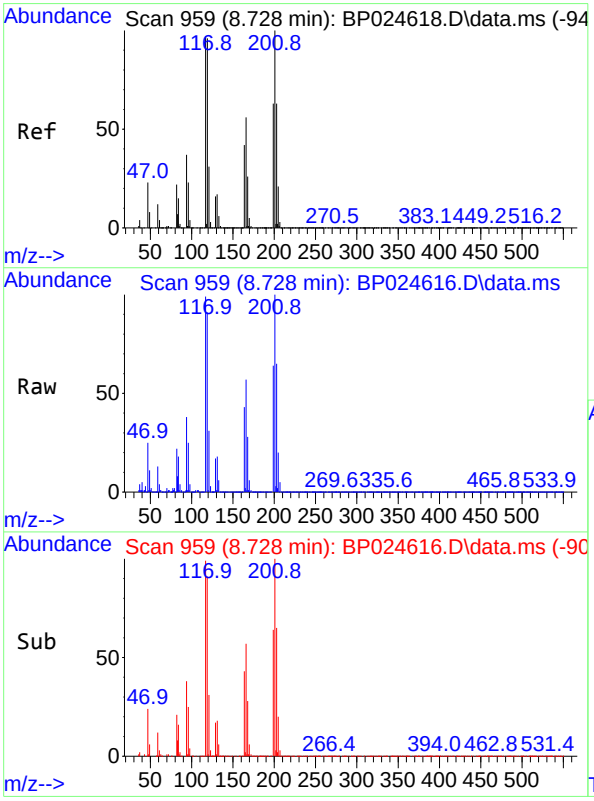
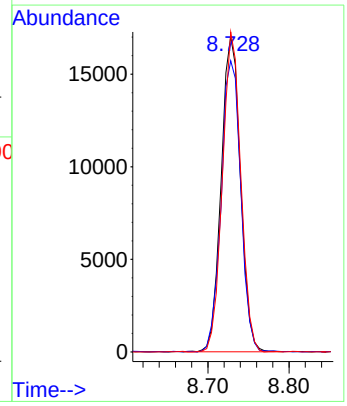
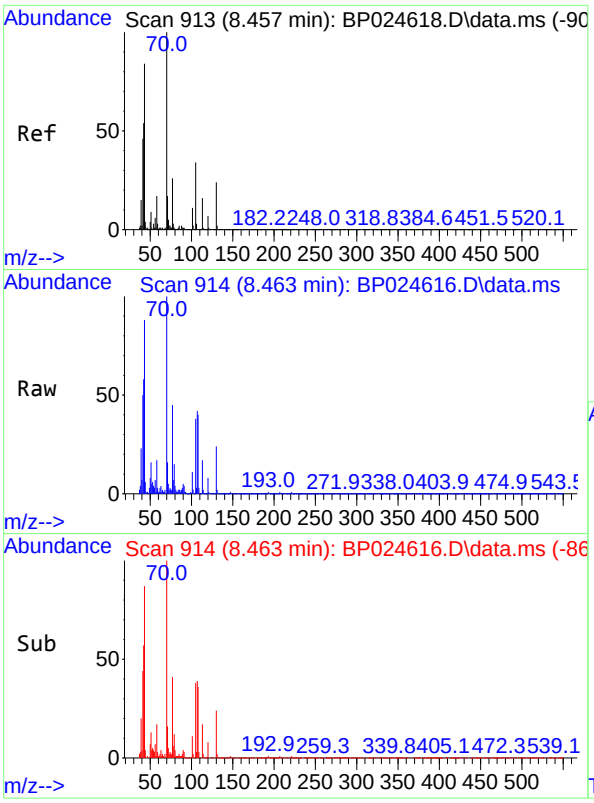



#18
Hexachloroethane
Concen: 10.05 ng
RT: 8.728 min Scan# 959
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:117 Resp: 28078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 92.3 | 79.4 | 119.0 |
| 201 | 101.4 | 82.7 | 124.1 |

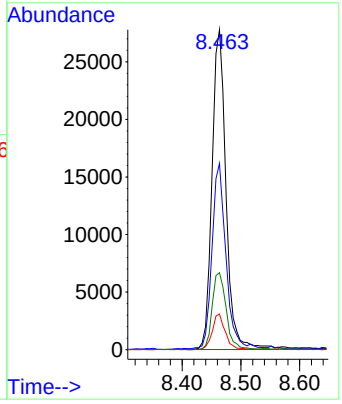





#19
n-Nitroso-di-n-propylamine
Concen: 9.37 ng
RT: 8.463 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 70 Resp: 4592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 58.2 | 43.0 | 64.6 |
| 101 | 11.2 | 8.7 | 13.1 |
| 130 | 24.1 | 19.4 | 29.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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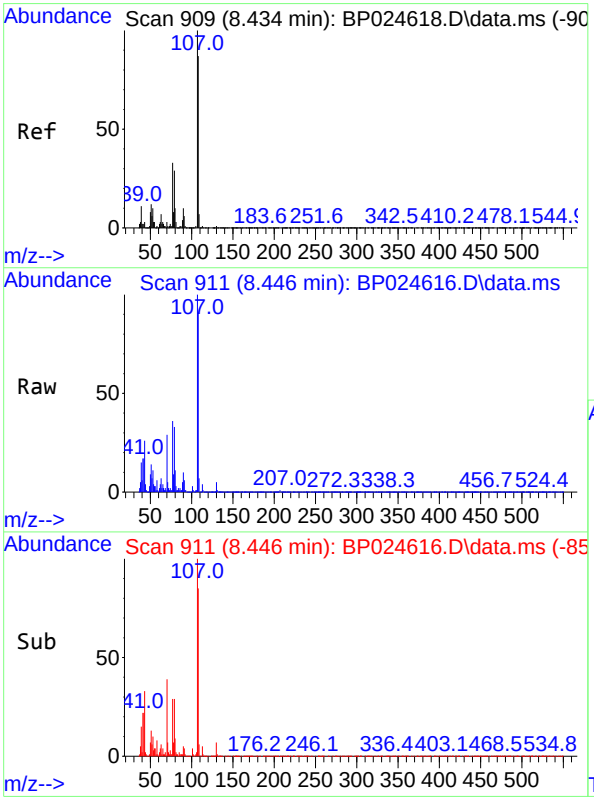
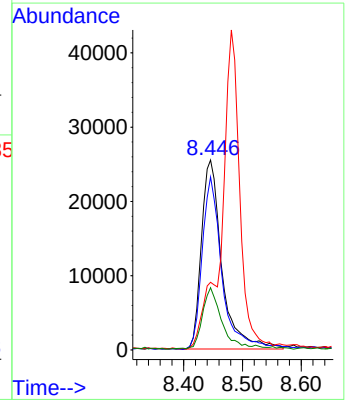
Supervised By :Jagrut Upadhyay 05/14/2025

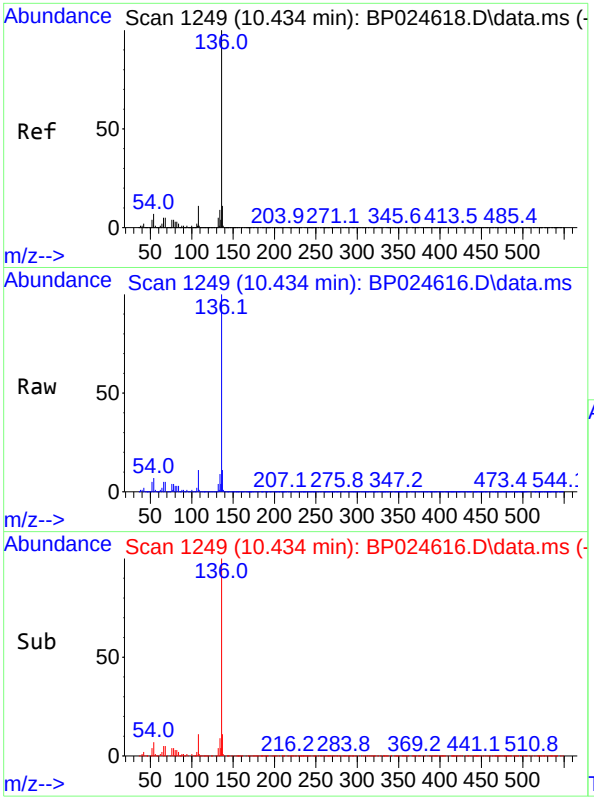



#20
3+4-Methylphenols
Concen: 8.66 ng
RT: 8.446 min Scan# 911
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:107 Resp: 61832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.0 | 66.7 | 106.7 |
| 77 | 35.6 | 13.1 | 53.1 |
| 79 | 32.7 | 8.9 | 48.9 |

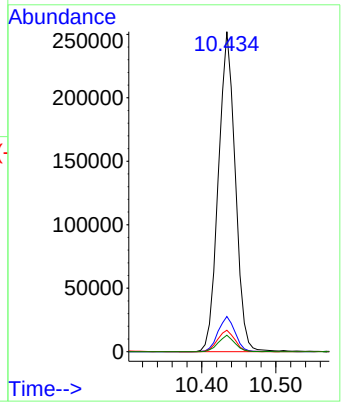





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:136 Resp: 39865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.8 | 13.2 |
| 54 | 6.7 | 5.5 | 8.3 |
| 68 | 5.2 | 4.2 | 6.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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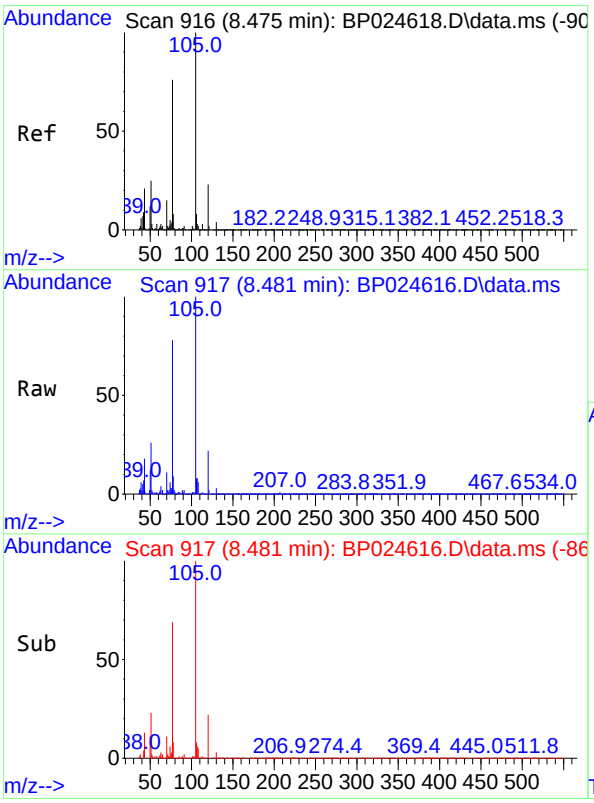
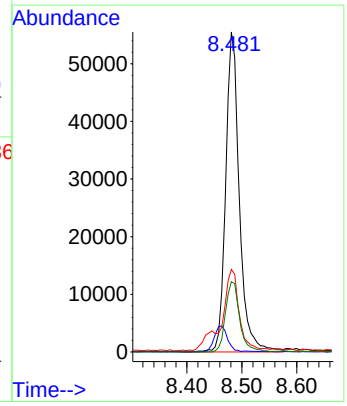
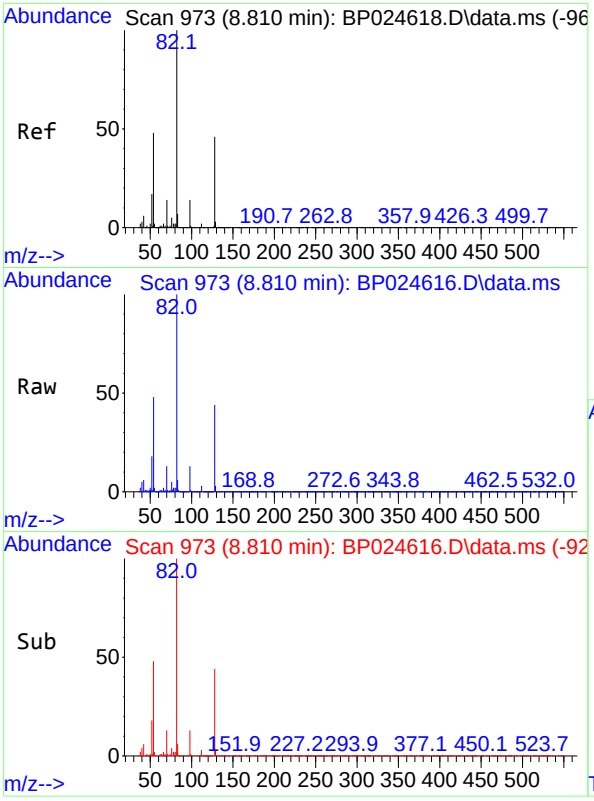



#22
Acetophenone
Concen: 9.62 ng
RT: 8.481 min Scan# 917
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:105 Resp: 95803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 1.9 | 2.0 | 3.0# |
| 51 | 25.8 | 20.4 | 30.6 |
| 120 | 22.0 | 18.1 | 27.1 |

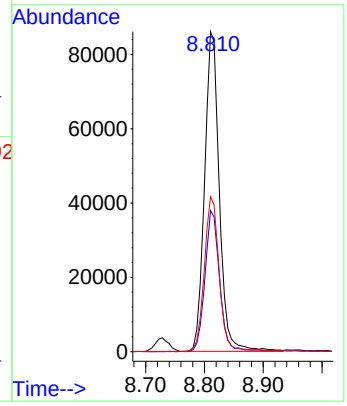





#23
Nitrobenzene-d5
Concen: 19.00 ng
RT: 8.810 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 82 Resp: 14987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.1 | 37.0 | 55.4 |
| 54 | 48.5 | 38.7 | 58.1 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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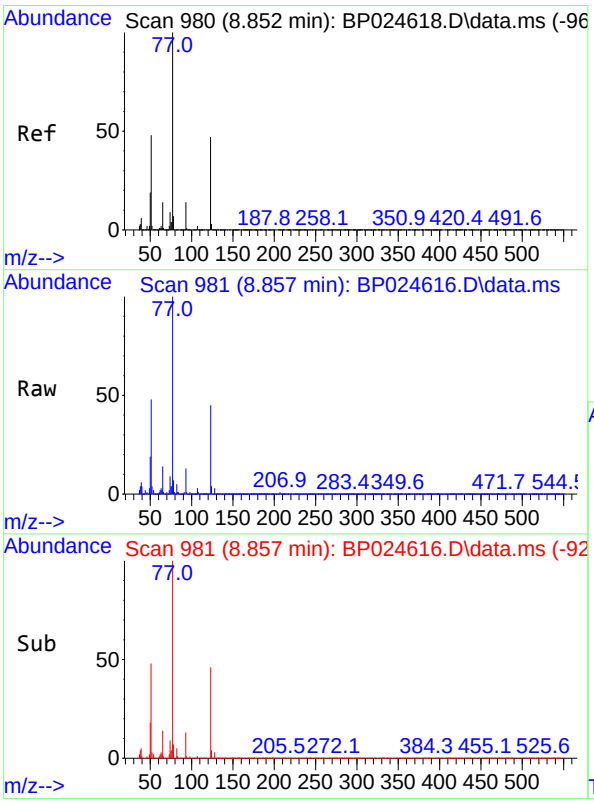
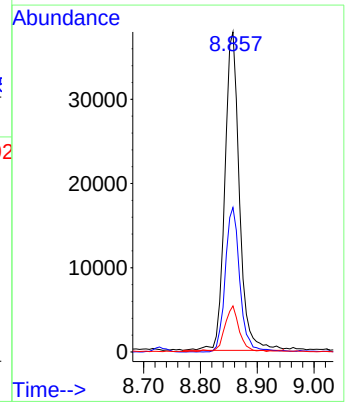
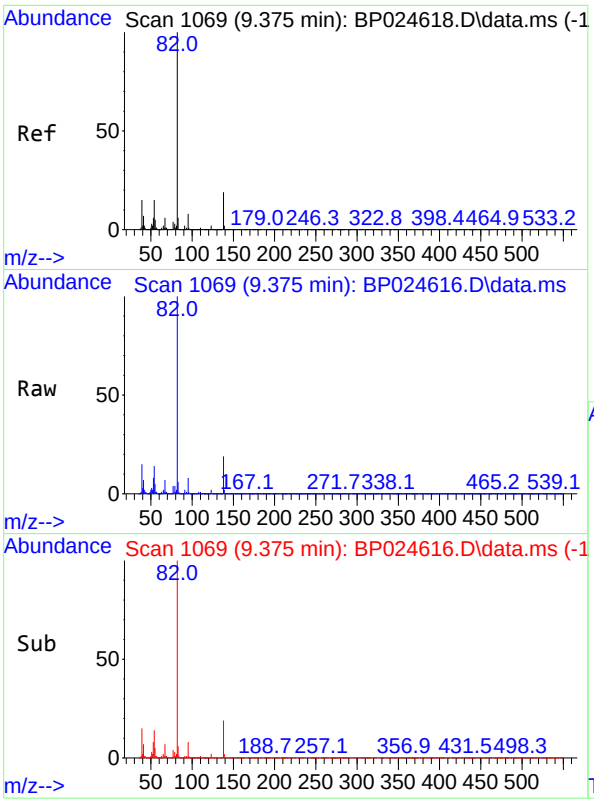



#24
Nitrobenzene
Concen: 9.76 ng
RT: 8.857 min Scan# 981
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 77 Resp: 67735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 45.2 | 37.4 | 56.0 |
| 65 | 14.4 | 11.3 | 16.9 |

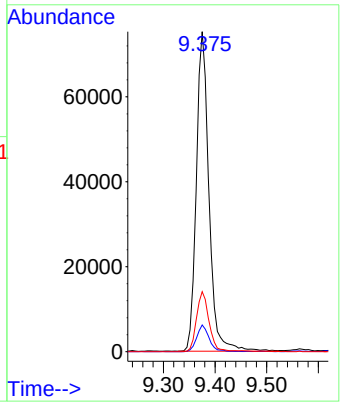





#25
Isophorone
Concen: 9.31 ng
RT: 9.375 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 82 Resp: 12747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.4 | 6.3 | 9.5 |
| 138 | 18.7 | 15.3 | 22.9 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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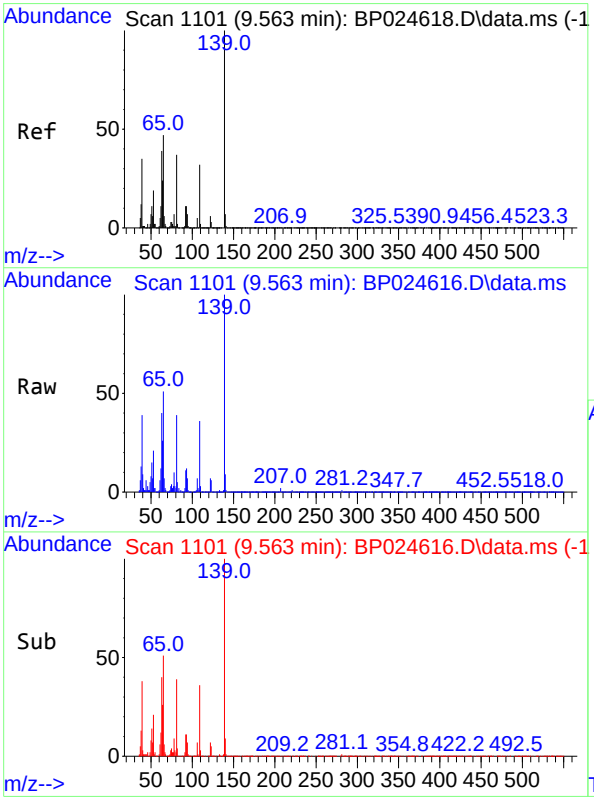
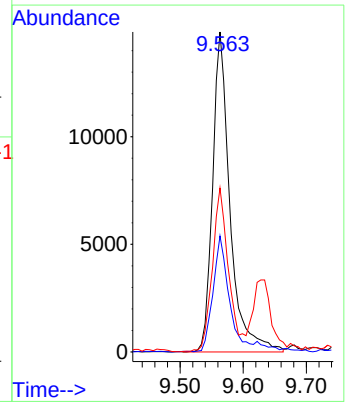
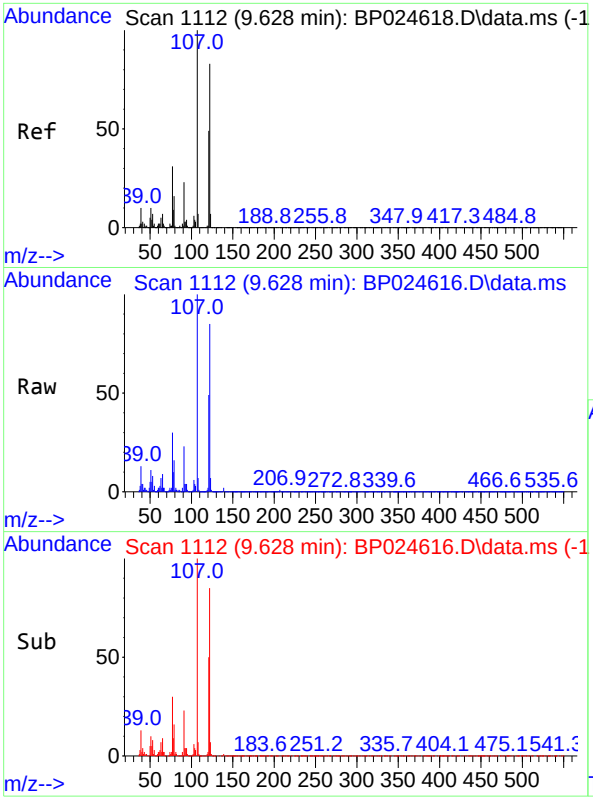



#26
2-Nitrophenol
Concen: 8.37 ng
RT: 9.563 min Scan# 1101
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:139 Resp: 28470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 36.2 | 25.9 | 38.9 |
| 65 | 51.3 | 37.9 | 56.9 |

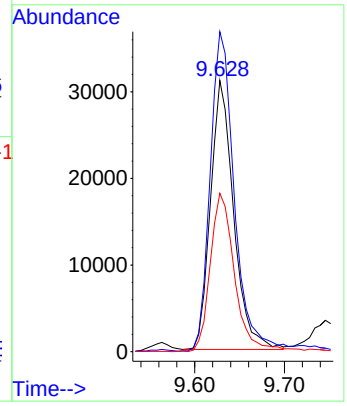





#27
2,4-Dimethylphenol
Concen: 9.28 ng
RT: 9.628 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:122 Resp: 5566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 118.0 | 96.2 | 144.2 |
| 121 | 58.4 | 47.6 | 71.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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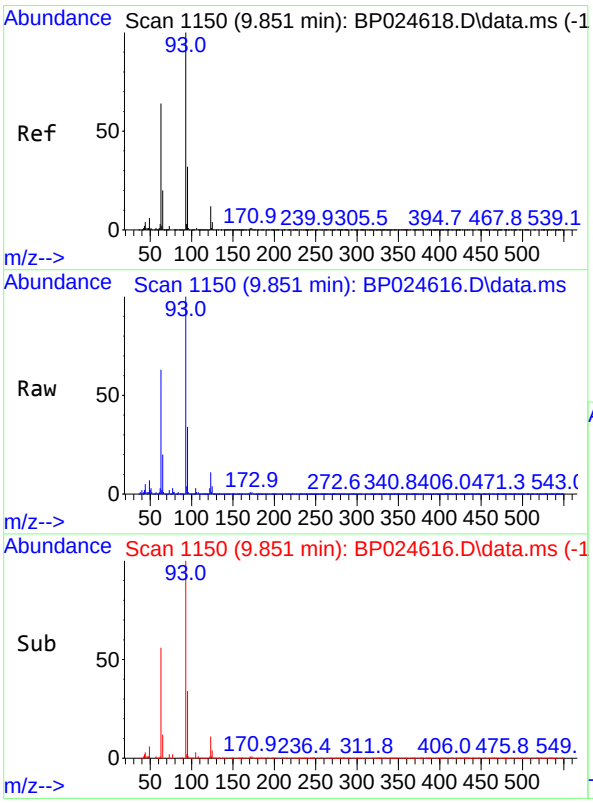
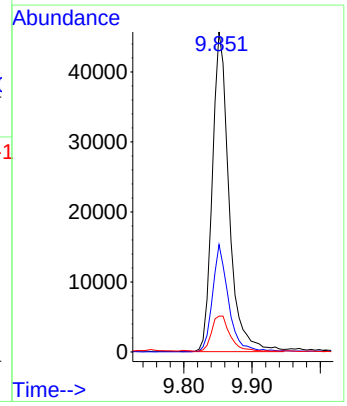
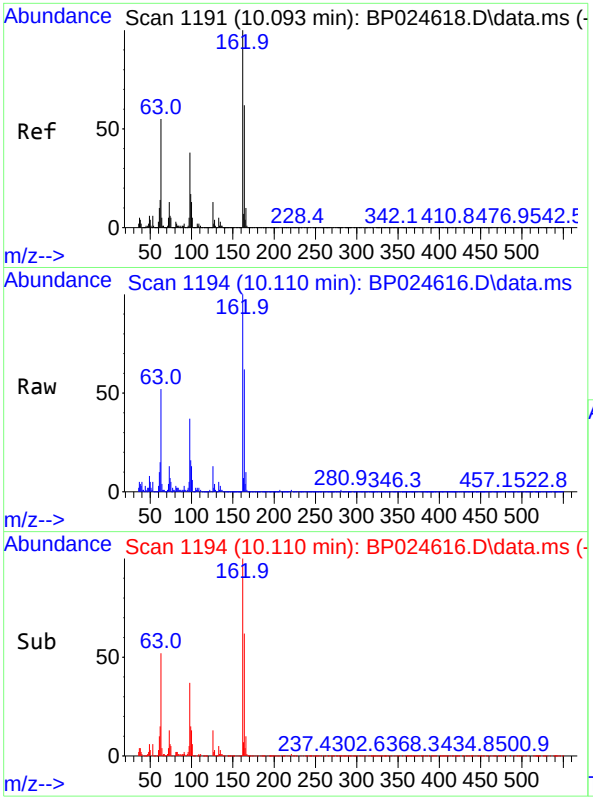



#28
bis(2-Chloroethoxy)methane
Concen: 9.54 ng
RT: 9.851 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 93 Resp: 78019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.5 | 25.5 | 38.3 |
| 123 | 11.2 | 9.7 | 14.5 |

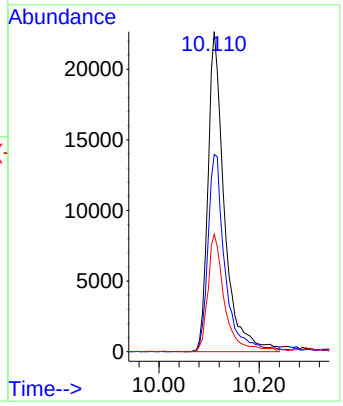





#29
2,4-Dichlorophenol
Concen: 8.84 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.018 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:162 Resp: 5138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 61.7 | 42.3 | 82.3 |
| 98 | 36.7 | 18.4 | 58.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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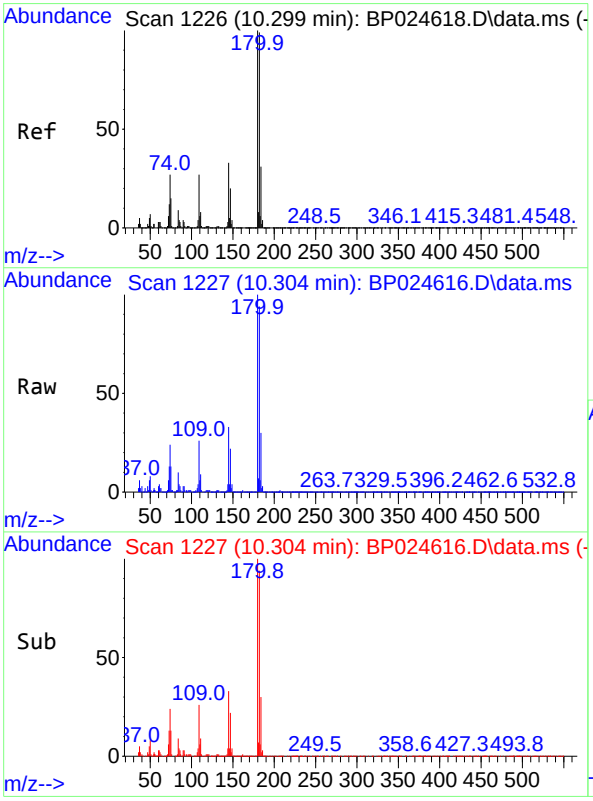
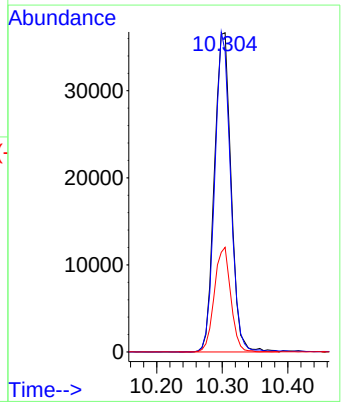
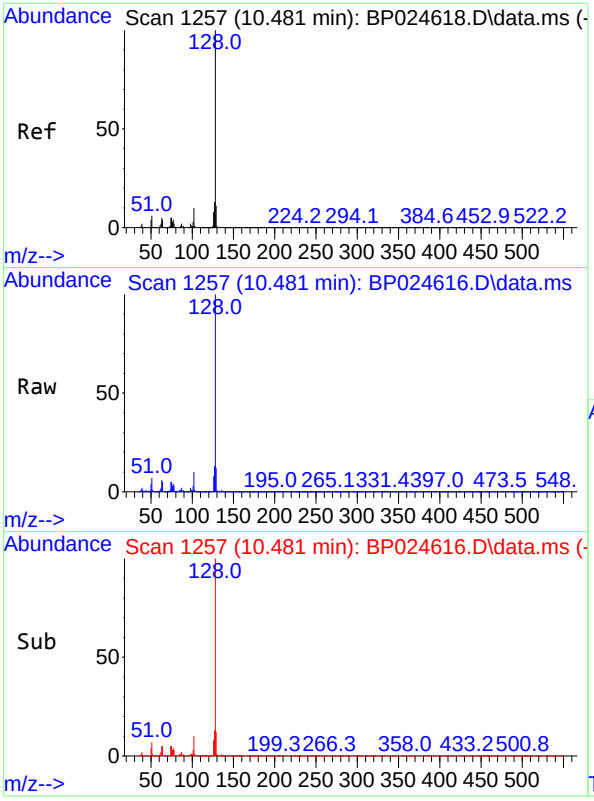



#30
1,2,4-Trichlorobenzene
Concen: 9.81 ng
RT: 10.304 min Scan# 1227
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:180 Resp: 64245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.1 | 79.0 | 118.4 |
| 145 | 32.8 | 26.6 | 39.8 |

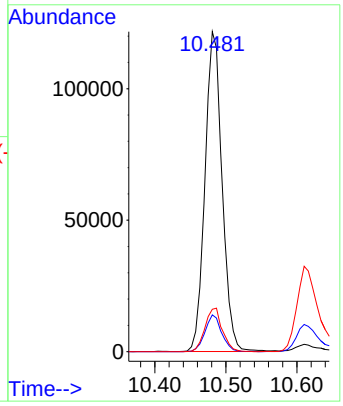





#31
Naphthalene
Concen: 9.90 ng
RT: 10.481 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:128 Resp: 20446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.5 | 8.8 | 13.2 |
| 127 | 13.2 | 10.7 | 16.1 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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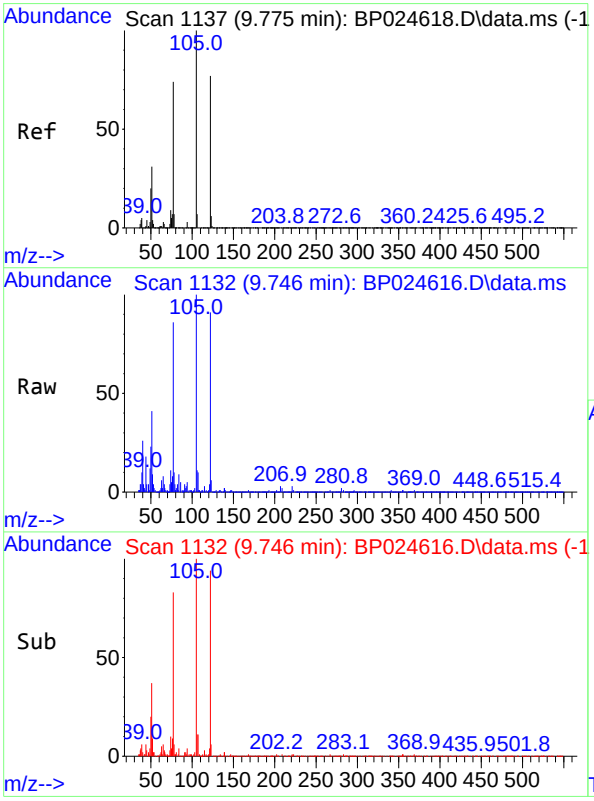
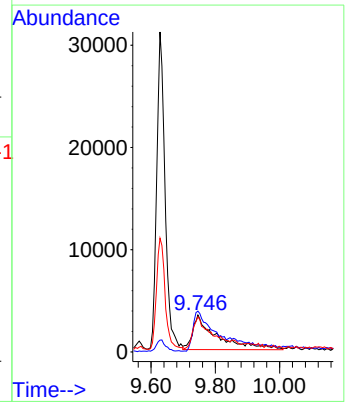
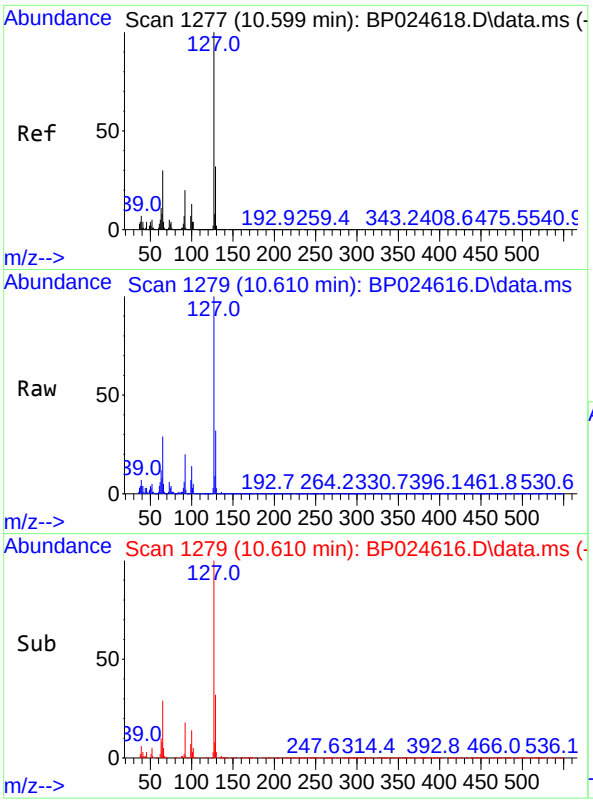



#32
Benzoic acid
Concen: 10.42 ng m
RT: 9.746 min Scan# 1132
Delta R.T. -0.029 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:122 Resp: 17770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 110.3 | 106.9 | 146.9 |
| 77 | 95.0 | 75.1 | 115.1 |

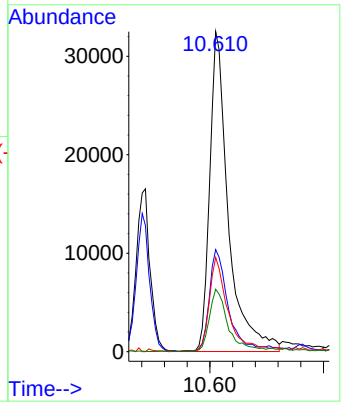





#33
4-Chloroaniline
Concen: 8.88 ng
RT: 10.610 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:127 Resp: 7399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.9 | 25.8 | 38.6 |
| 65 | 29.5 | 23.9 | 35.9 |
| 92 | 19.5 | 16.1 | 24.1 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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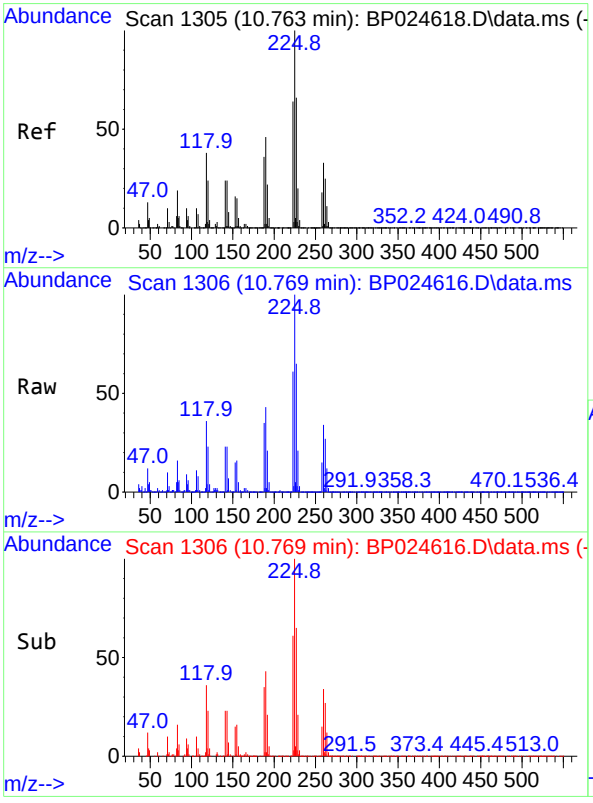
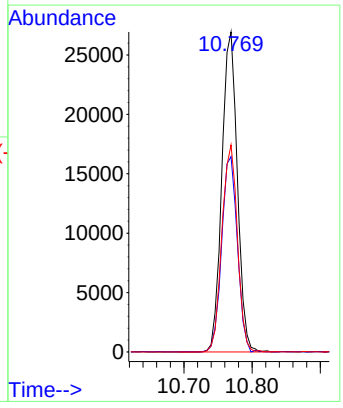
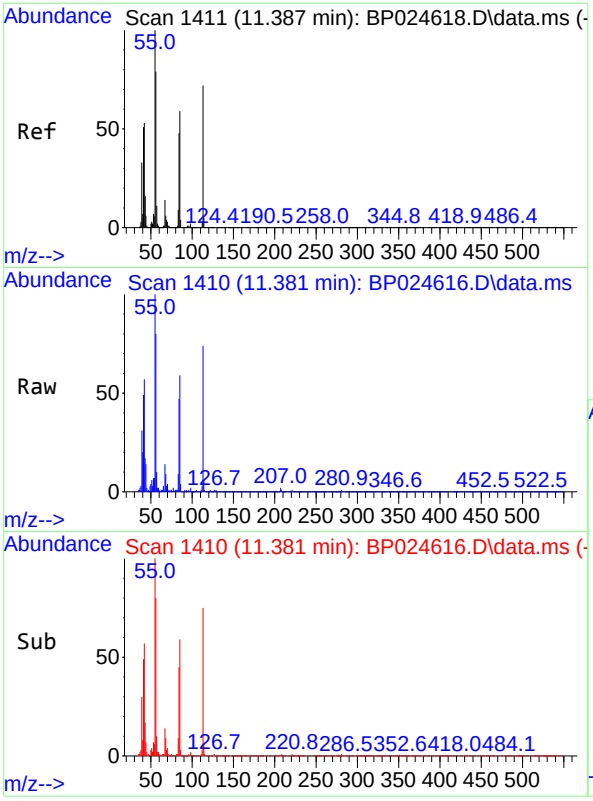



#34
Hexachlorobutadiene
Concen: 10.03 ng
RT: 10.769 min Scan# 1306
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:225 Resp: 42567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.0 | 51.0 | 76.6 |
| 227 | 64.7 | 53.1 | 79.7 |






#35
Caprolactam
Concen: 8.68 ng m
RT: 11.381 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:113 Resp: 1824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 134.4 | 119.0 | 159.0 |
| 56 | 107.7 | 90.3 | 130.3 |

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**

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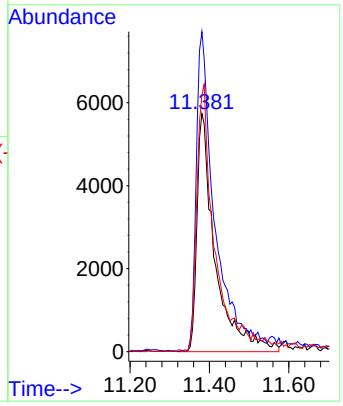
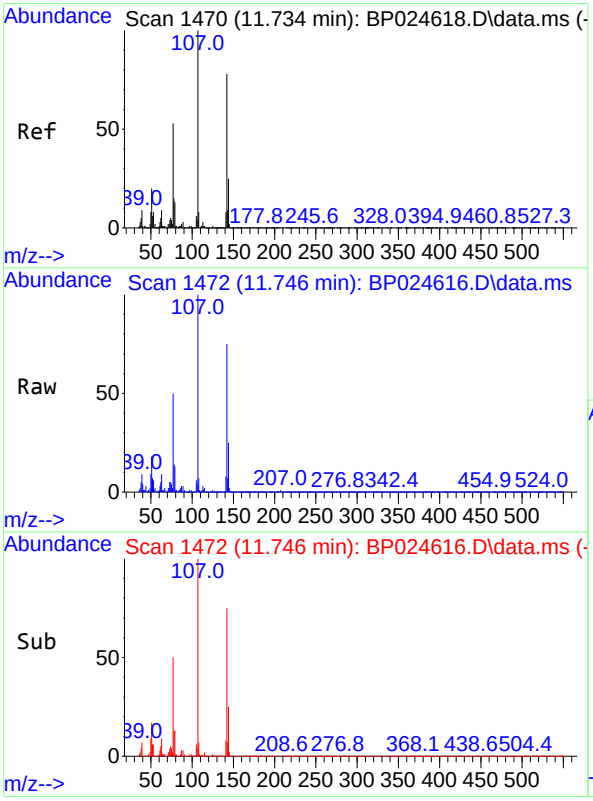
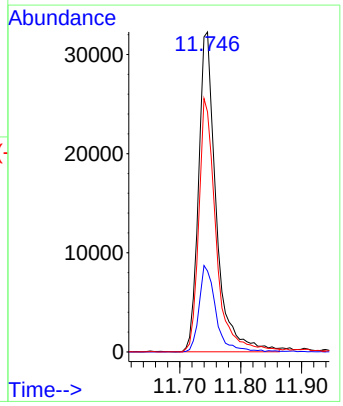


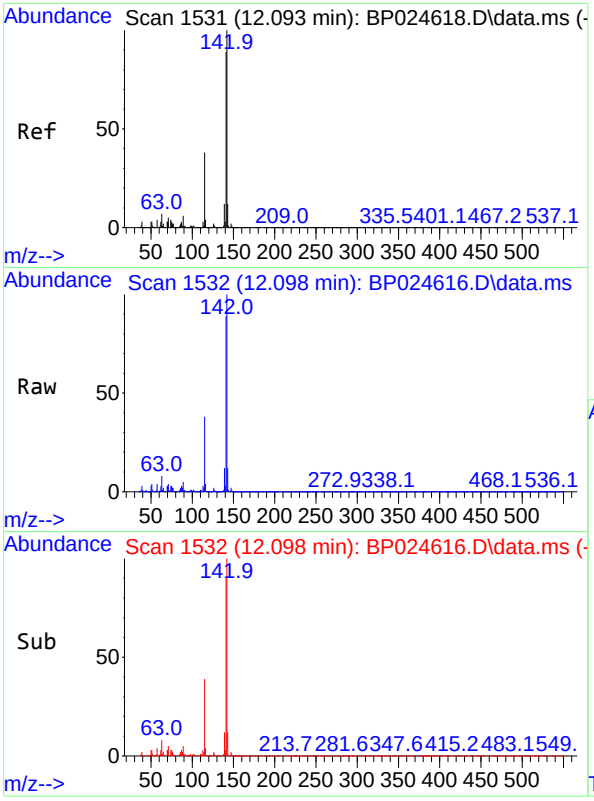




#36
4-Chloro-3-methylphenol
Concen: 9.15 ng
RT: 11.746 min Scan# 1472
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:107 Resp: 64857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.3 | 20.1 | 30.1 |
| 142 | 75.0 | 62.1 | 93.1 |

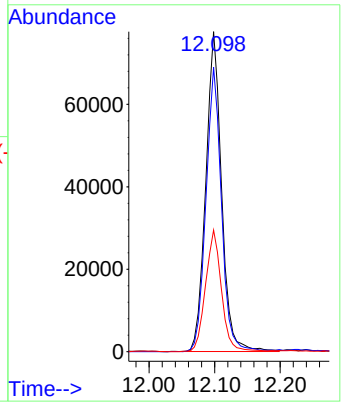





#37
2-Methylnaphthalene
Concen: 9.75 ng
RT: 12.098 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:142 Resp: 13041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.9 | 71.2 | 106.8 |
| 115 | 38.0 | 30.6 | 46.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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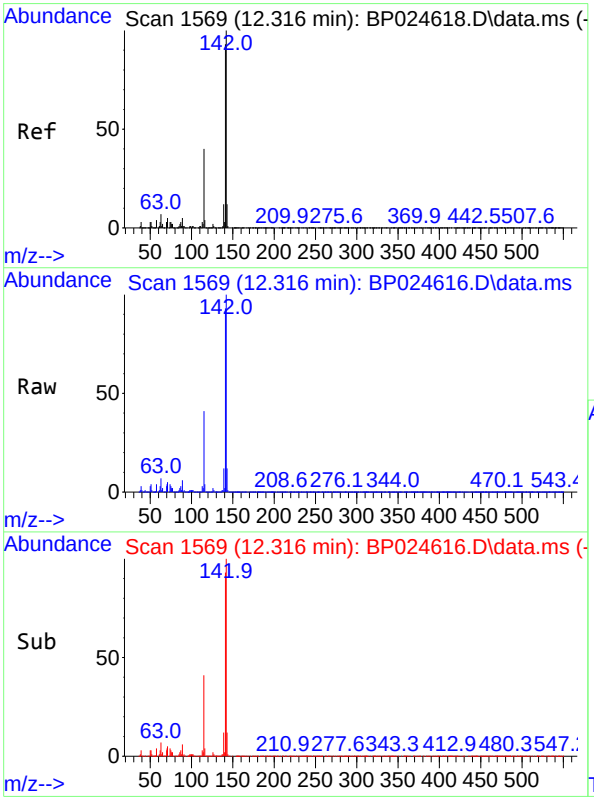
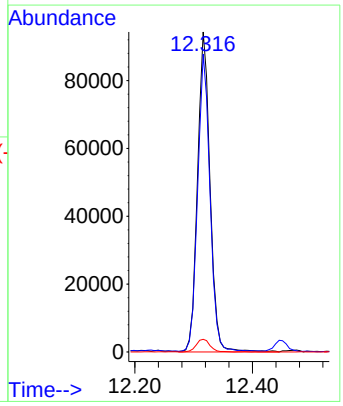
Supervised By :Jagrut Upadhyay 05/14/2025

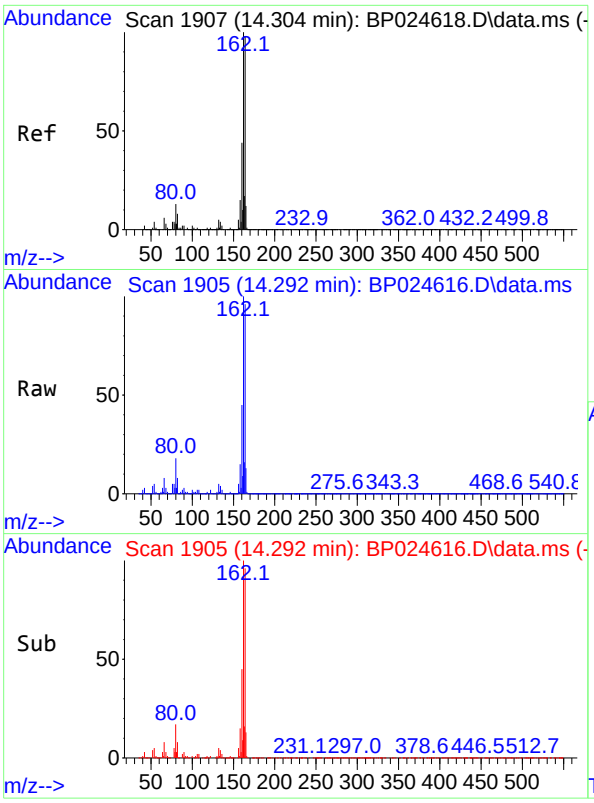



#38
1-Methylnaphthalene
Concen: 9.75 ng
RT: 12.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:142 Resp: 139573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.1 | 74.7 | 112.1 |
| 116 | 4.0 | 3.4 | 5.2 |

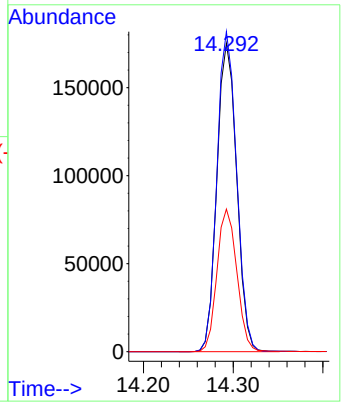





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.292 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:164 Resp: 26833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.8 | 81.8 | 122.6 |
| 160 | 46.2 | 36.3 | 54.5 |




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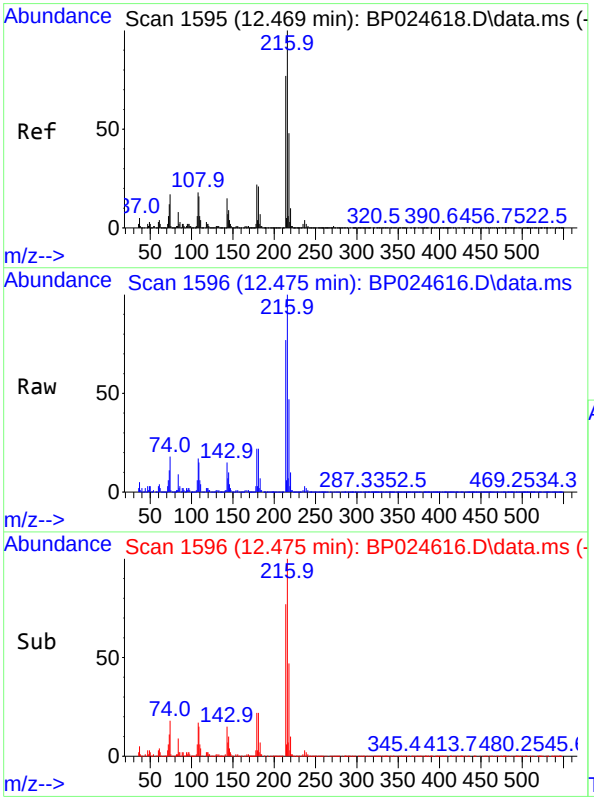
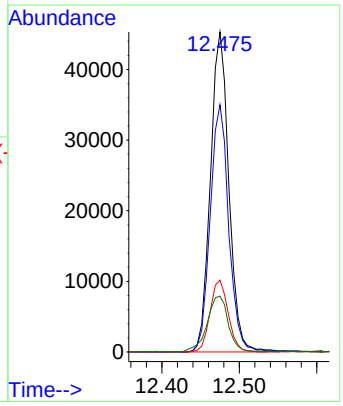
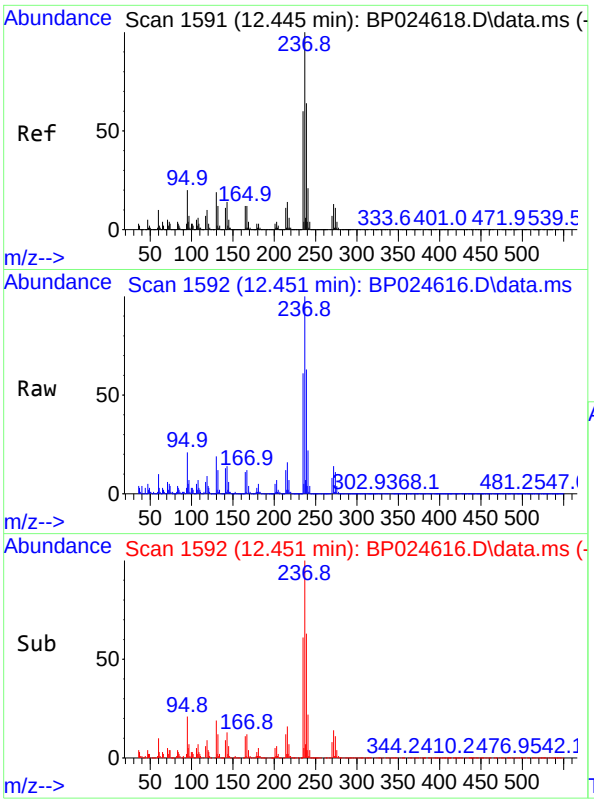



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.60 ng
RT: 12.475 min Scan# 1596
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:216 Resp: 74824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 77.9 | 62.3 | 93.5 |
| 179 | 22.2 | 17.7 | 26.5 |
| 108 | 20.0 | 16.0 | 24.0 |

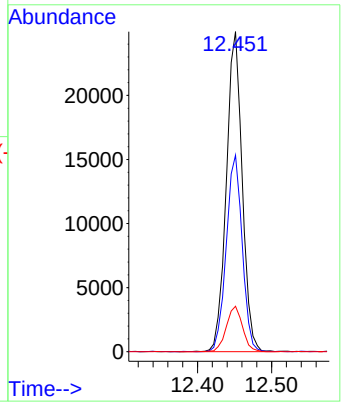





#41
Hexachlorocyclopentadiene
Concen: 7.85 ng
RT: 12.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:237 Resp: 3707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.4 | 39.9 | 79.9 |
| 272 | 14.2 | 0.0 | 33.2 |




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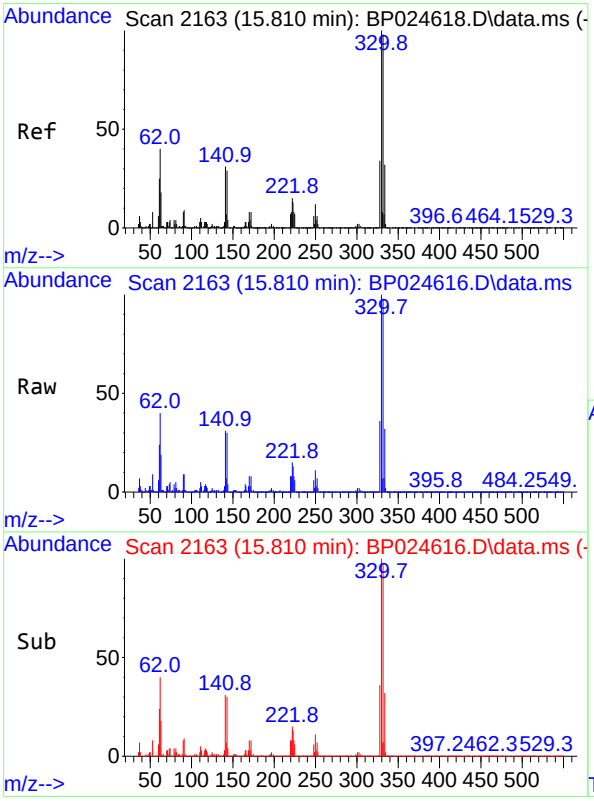
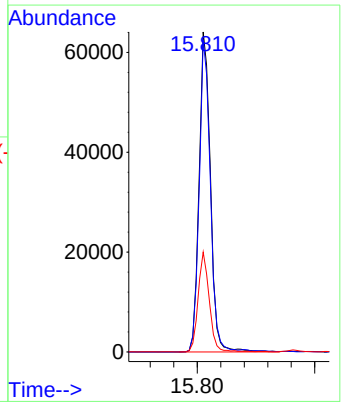
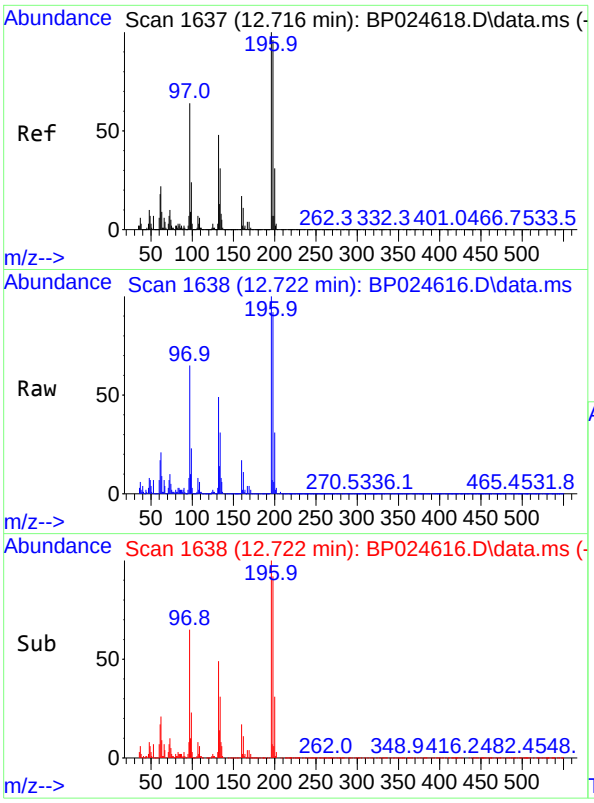



#42
2,4,6-Tribromophenol
Concen: 18.93 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:330 Resp: 86099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.1 | 78.2 | 117.4 |
| 141 | 30.5 | 24.3 | 36.5 |

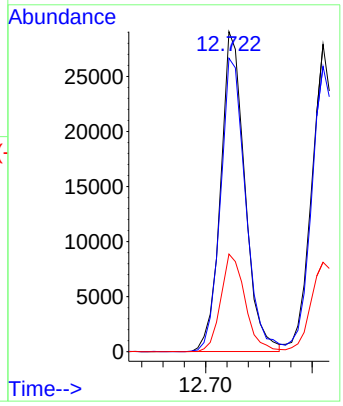





#43
2,4,6-Trichlorophenol
Concen: 9.07 ng
RT: 12.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:196 Resp: 4579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 91.7 | 76.9 | 115.3 |
| 200 | 30.5 | 25.2 | 37.8 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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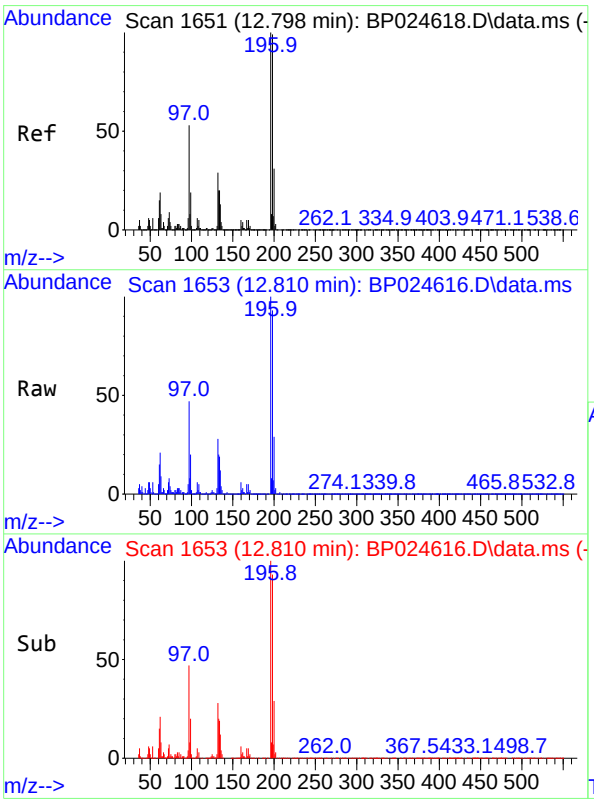
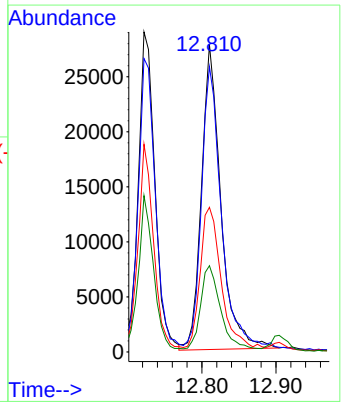
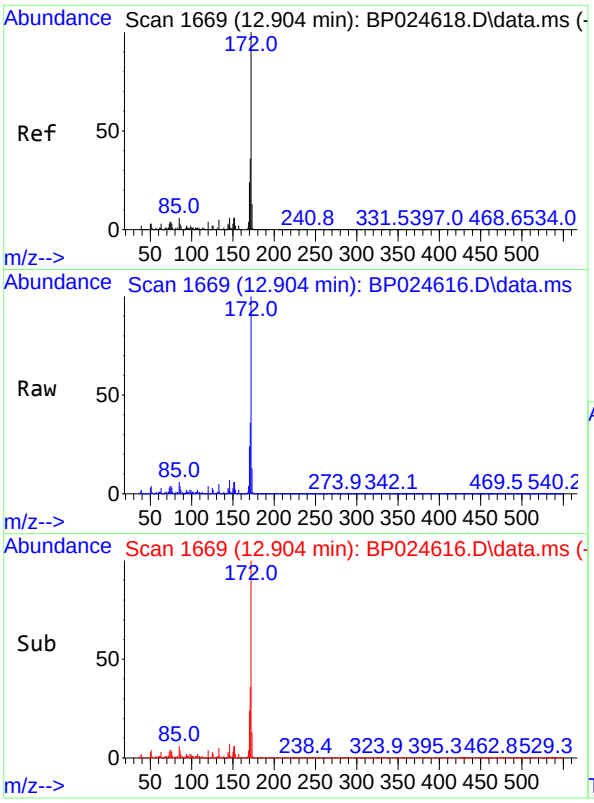



#44
2,4,5-Trichlorophenol
Concen: 8.96 ng
RT: 12.810 min Scan# 1653
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:196 Resp: 50348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 92.8 | 79.2 | 118.8 |
| 97 | 47.0 | 42.3 | 63.5 |
| 132 | 28.1 | 23.3 | 34.9 |

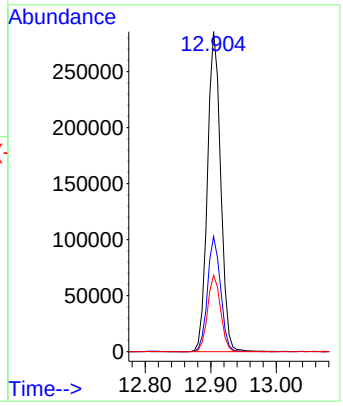





#45
2-Fluorobiphenyl
Concen: 19.63 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:172 Resp: 40198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 28.8 | 43.2 |
| 170 | 23.9 | 18.8 | 28.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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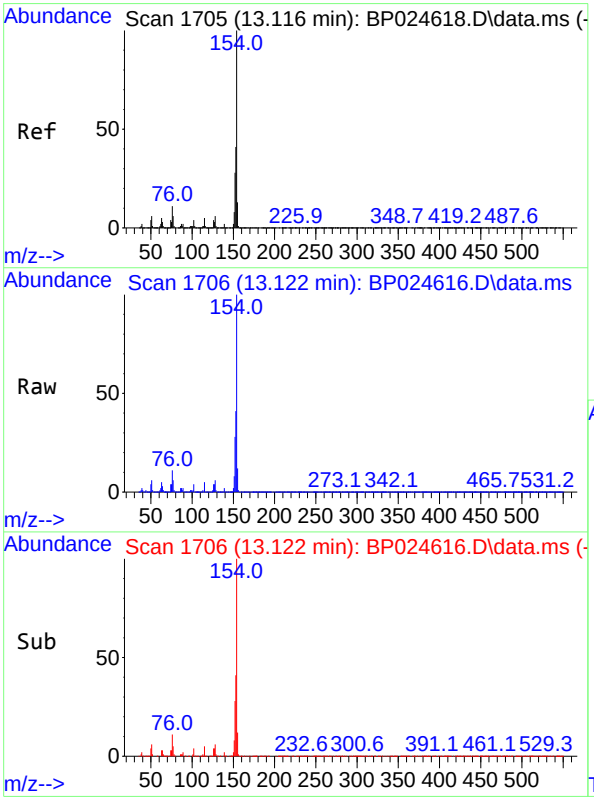
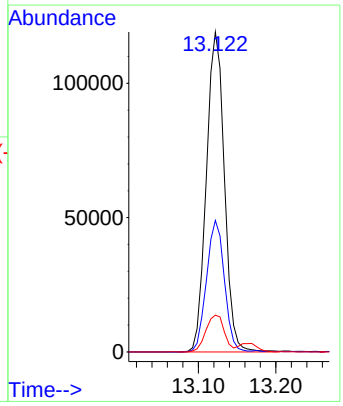
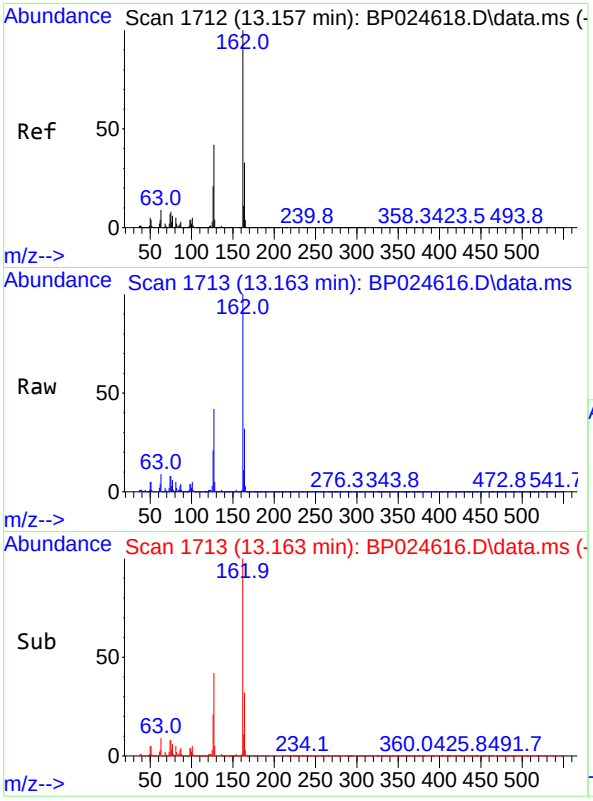



#46
1,1'-Biphenyl
Concen: 9.70 ng
RT: 13.122 min Scan# 1706
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:154 Resp: 192445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.1 | 21.0 | 61.0 |
| 76 | 11.5 | 0.0 | 31.5 |

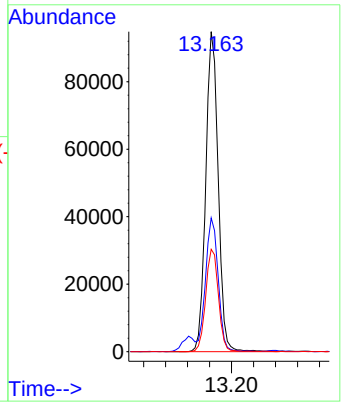





#47
2-Chloronaphthalene
Concen: 9.82 ng
RT: 13.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:162 Resp: 14844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.8 | 33.8 | 50.6 |
| 164 | 32.0 | 26.0 | 39.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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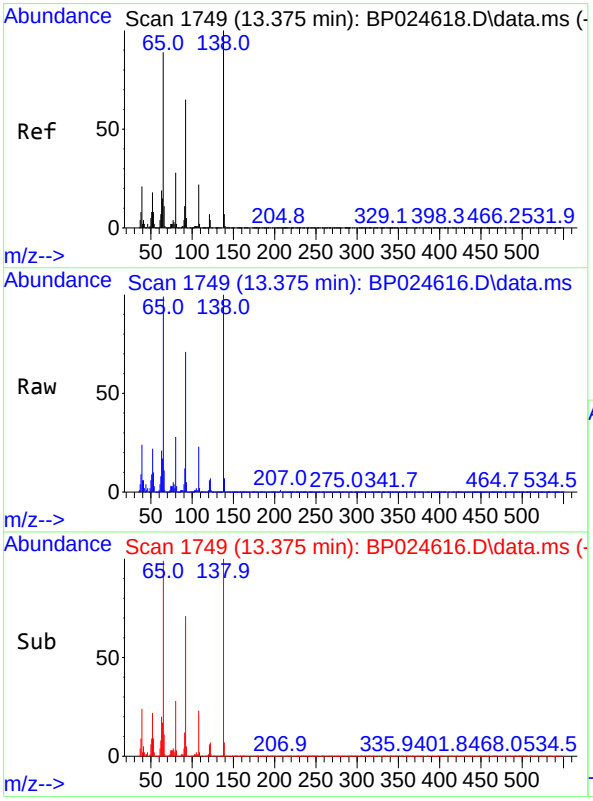
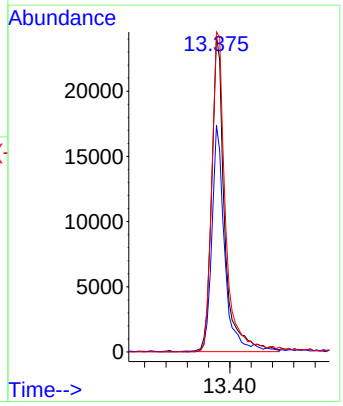
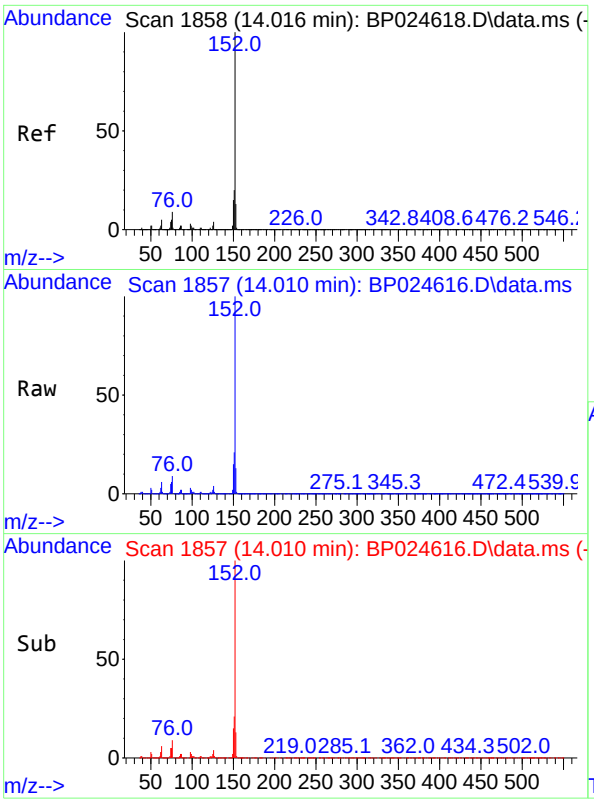



#48
2-Nitroaniline
Concen: 9.11 ng
RT: 13.375 min Scan# 1749
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 65 Resp: 40786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 71.8 | 58.7 | 88.1 |
| 138 | 101.2 | 90.2 | 135.2 |

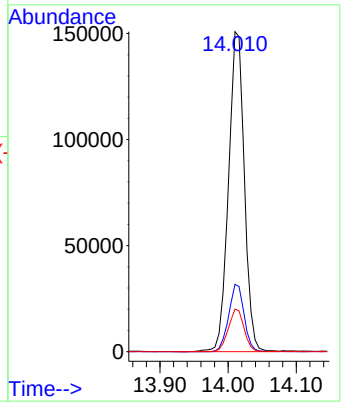





#49
Acenaphthylene
Concen: 9.64 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:152 Resp: 24391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.1 | 16.2 | 24.4 |
| 153 | 13.3 | 10.2 | 15.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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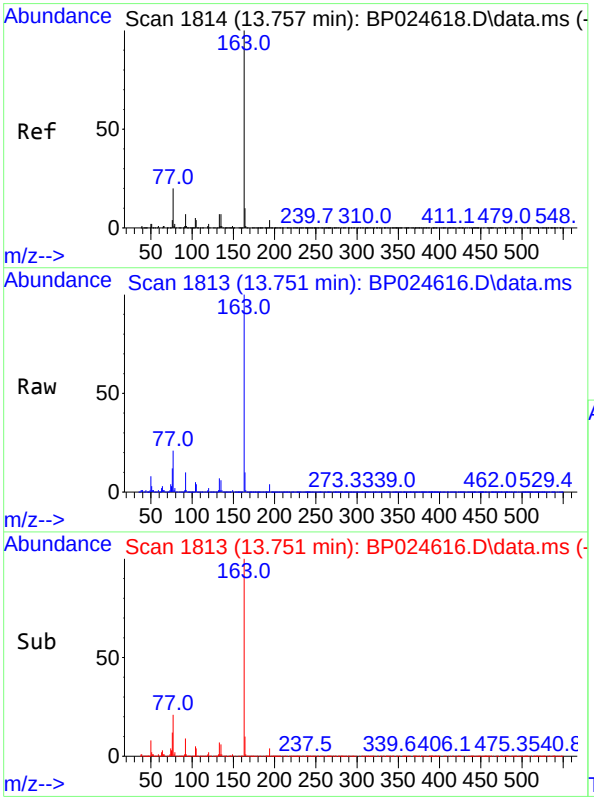
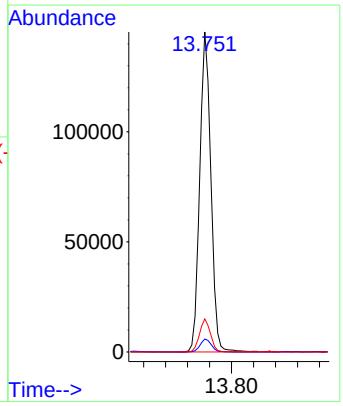
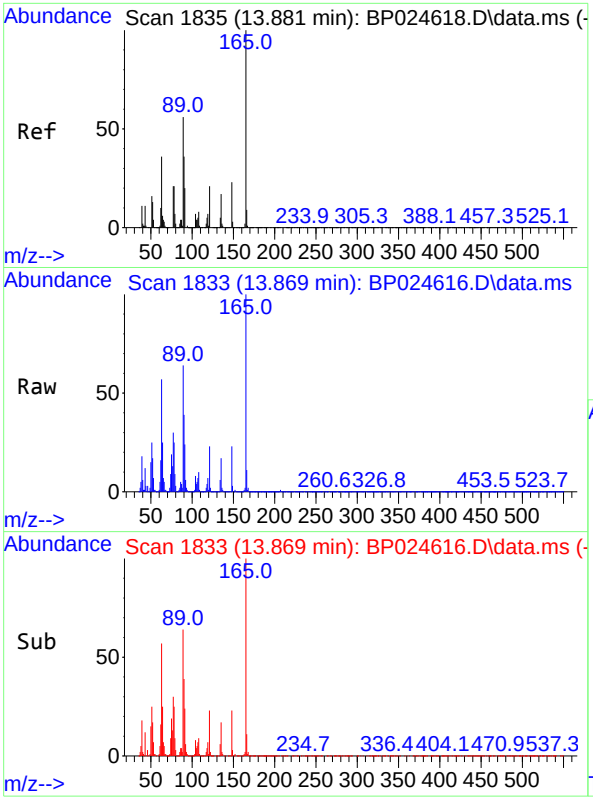



#50
Dimethylphthalate
Concen: 10.01 ng
RT: 13.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:163 Resp: 204825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.4 | 5.0 |
| 164 | 10.3 | 8.1 | 12.1 |

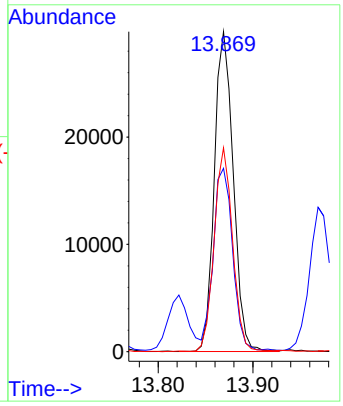





#51
2,6-Dinitrotoluene
Concen: 9.55 ng
RT: 13.869 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:165 Resp: 4125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 57.3 | 42.4 | 63.6 |
| 89 | 63.7 | 44.8 | 67.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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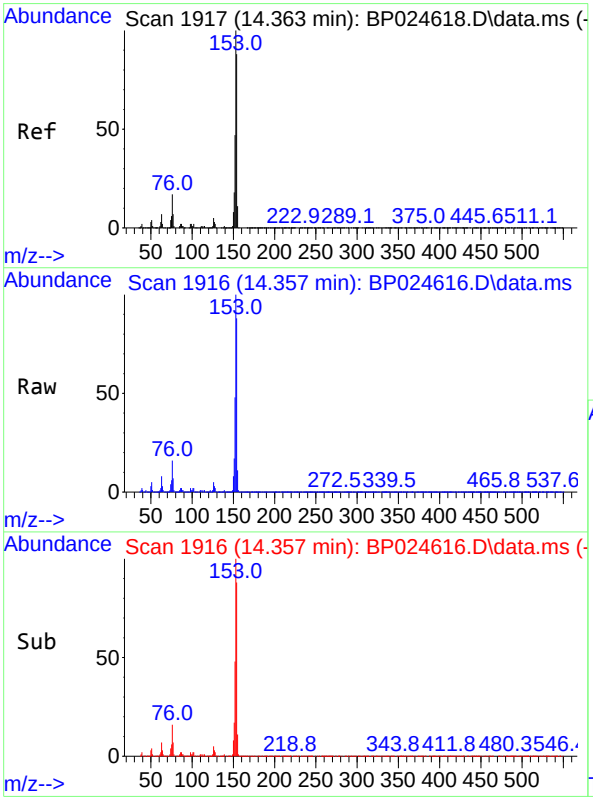
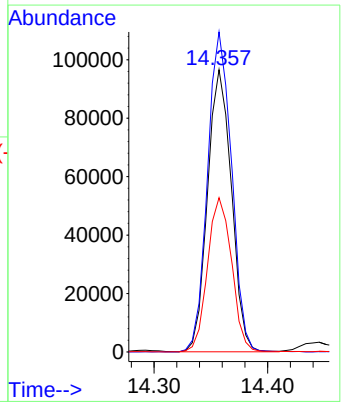
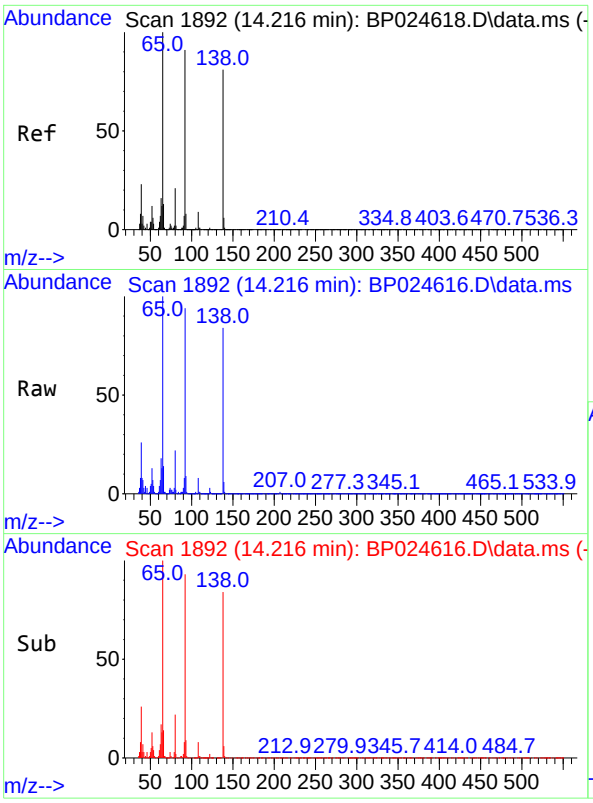



#52
Acenaphthene
Concen: 9.72 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:154 Resp: 141360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.4 | 91.0 | 136.4 |
| 152 | 54.6 | 42.9 | 64.3 |






#53
3-Nitroaniline
Concen: 8.37 ng
RT: 14.216 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:138 Resp: 3690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 9.9 | 9.0 | 13.4 |
| 92 | 112.3 | 90.1 | 135.1 |

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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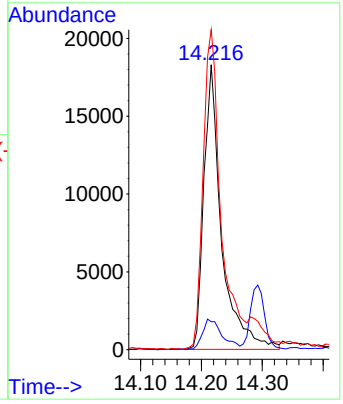
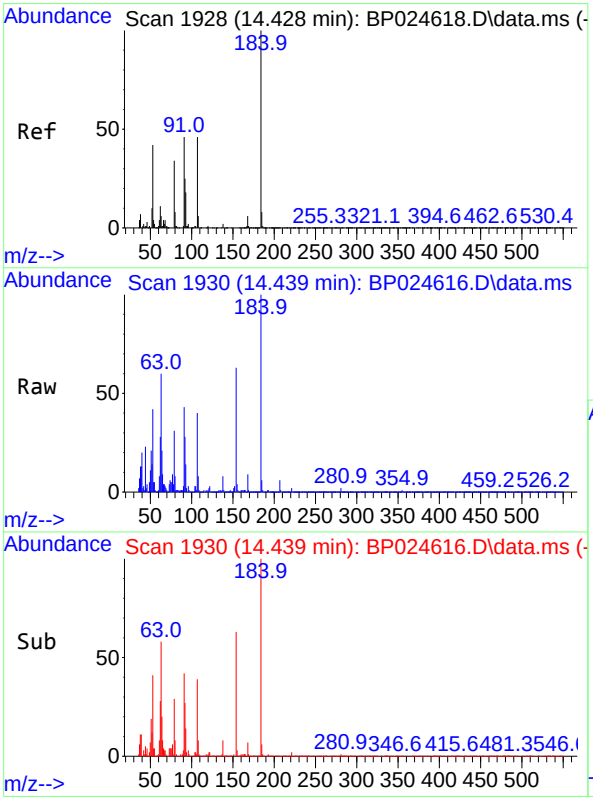
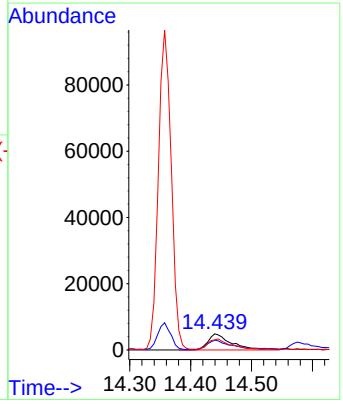


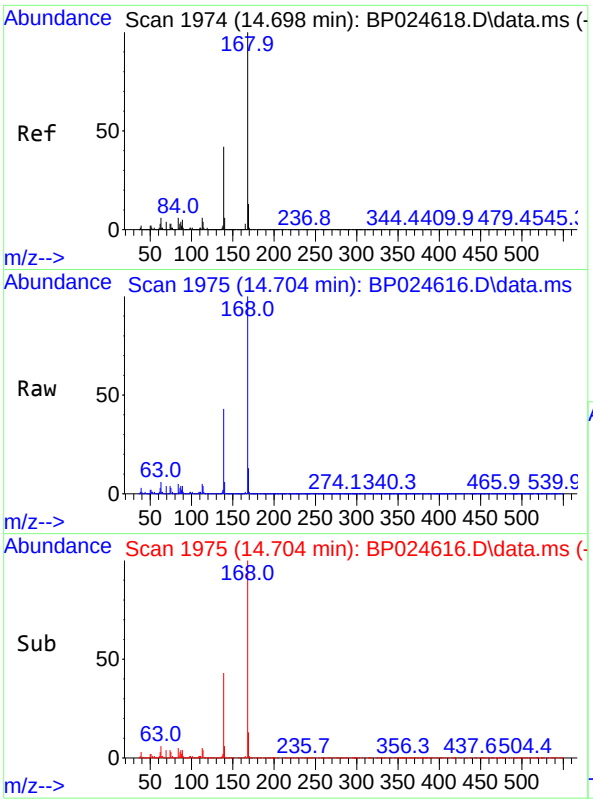




#54
2,4-Dinitrophenol
Concen: 10.84 ng
RT: 14.439 min Scan# 1930
Delta R.T. 0.011 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:184 Resp: 13128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 60.3 | 51.3 | 76.9 |
| 154 | 62.9 | 53.5 | 80.3 |

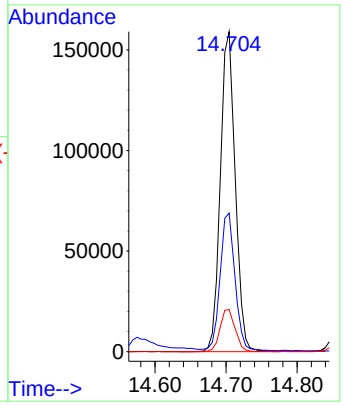





#55
Dibenzofuran
Concen: 9.92 ng
RT: 14.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:168 Resp: 23028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 43.3 | 34.2 | 51.4 |
| 169 | 13.2 | 10.8 | 16.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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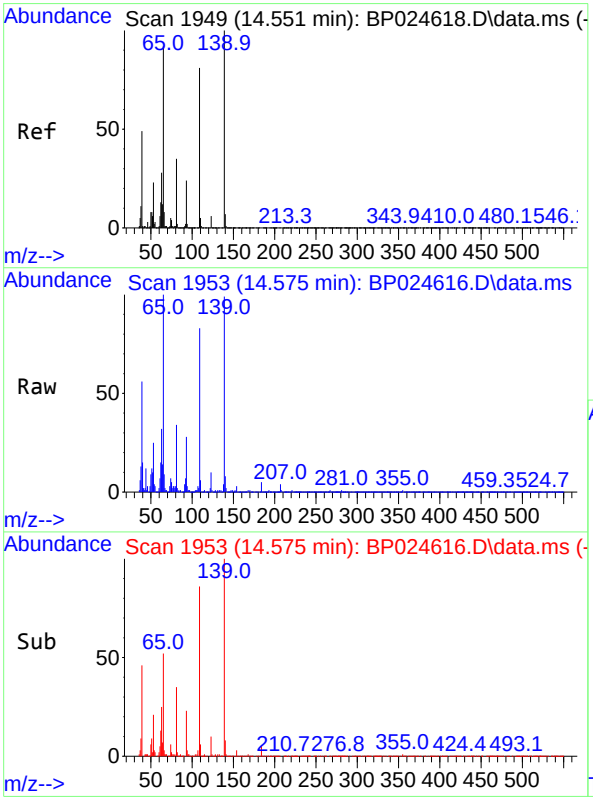
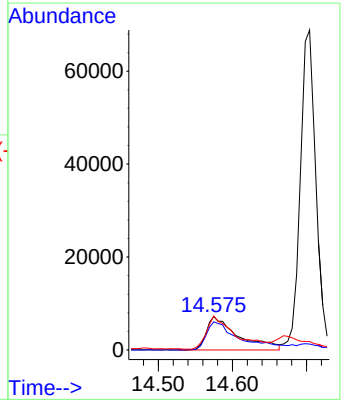
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

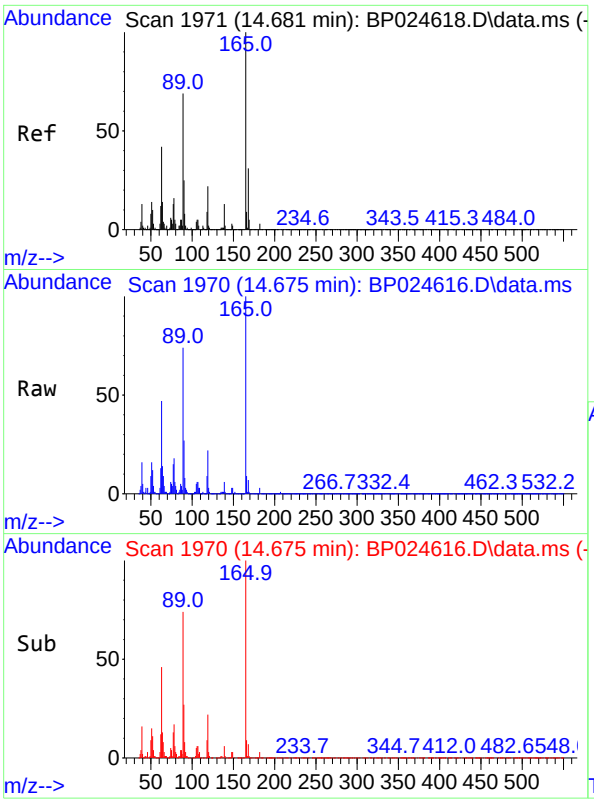



#56
4-Nitrophenol
Concen: 9.53 ng
RT: 14.575 min Scan# 1953
Delta R.T. 0.024 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:139 Resp: 21349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 84.4 | 61.4 | 101.4 |
| 65 | 101.4 | 72.2 | 112.2 |

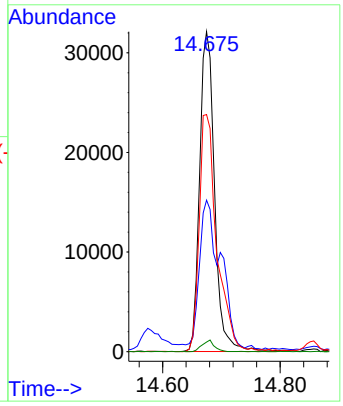





#57
2,4-Dinitrotoluene
Concen: 9.30 ng
RT: 14.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:165 Resp: 5661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 47.4 | 33.8 | 50.6 |
| 89 | 74.1 | 55.6 | 83.4 |
| 182 | 3.0 | 2.4 | 3.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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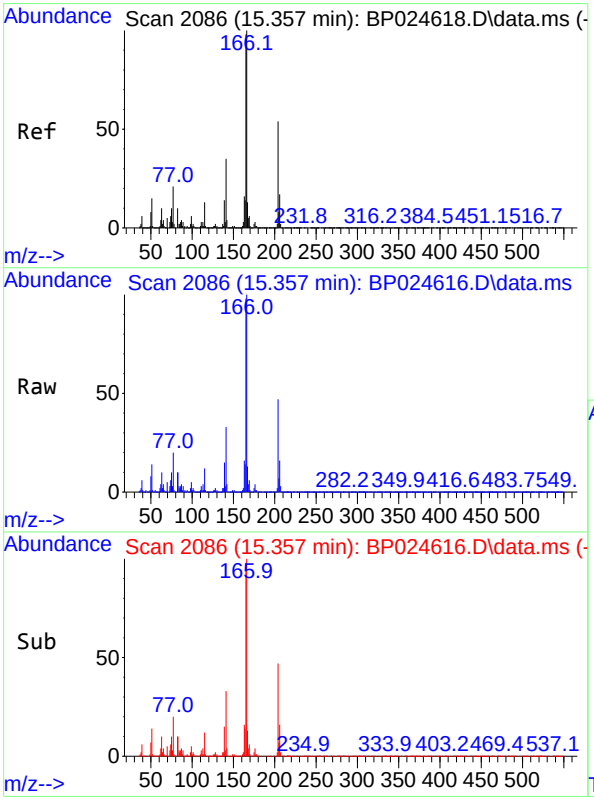
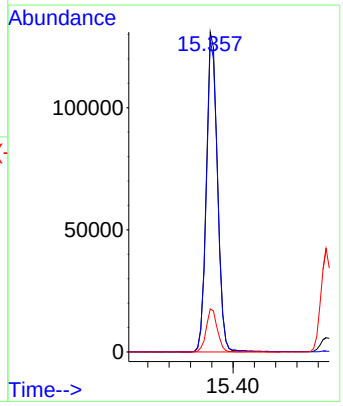
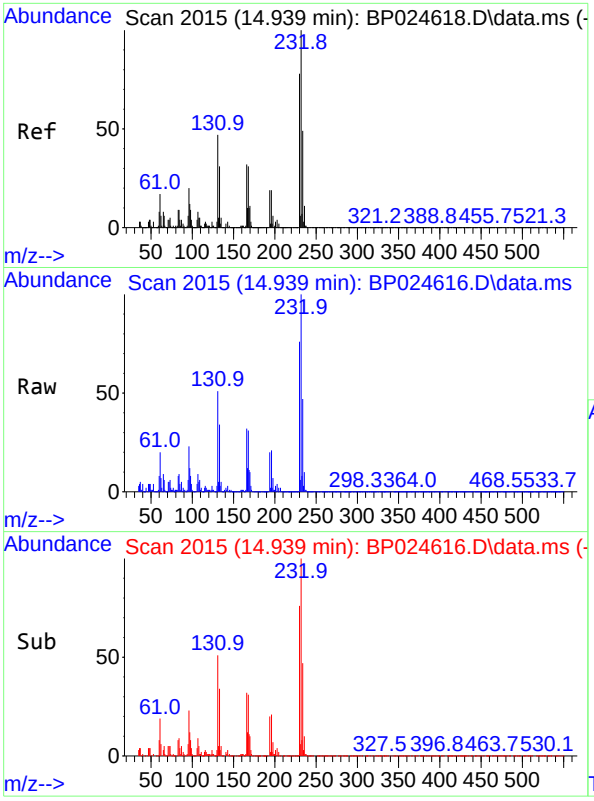



#58
Fluorene
Concen: 10.03 ng
RT: 15.357 min Scan# 2086
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:166 Resp: 189781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.6 | 78.5 | 117.7 |
| 167 | 13.5 | 10.7 | 16.1 |

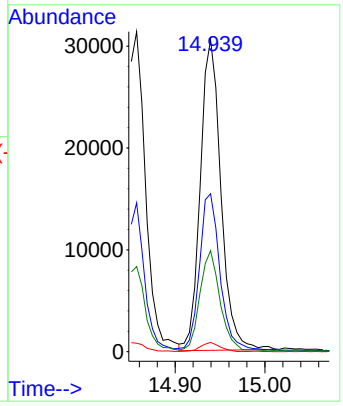





#59
2,3,4,6-Tetrachlorophenol
Concen: 9.37 ng
RT: 14.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:232 Resp: 4882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 50.6 | 39.5 | 59.3 |
| 130 | 2.8 | 2.2 | 3.4 |
| 166 | 32.1 | 25.7 | 38.5 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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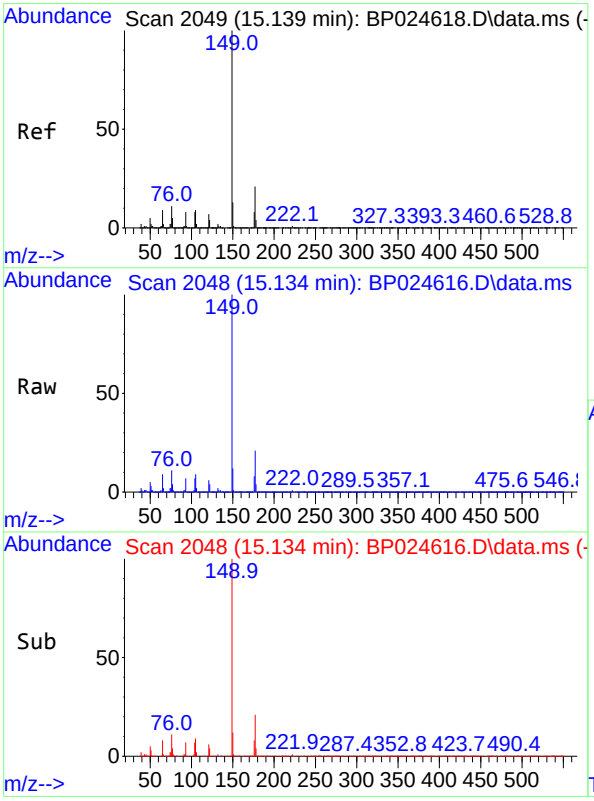
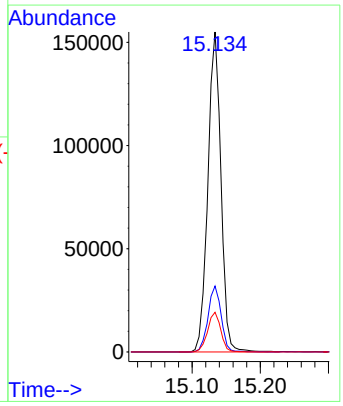
Supervised By :Jagrut Upadhyay 05/14/2025

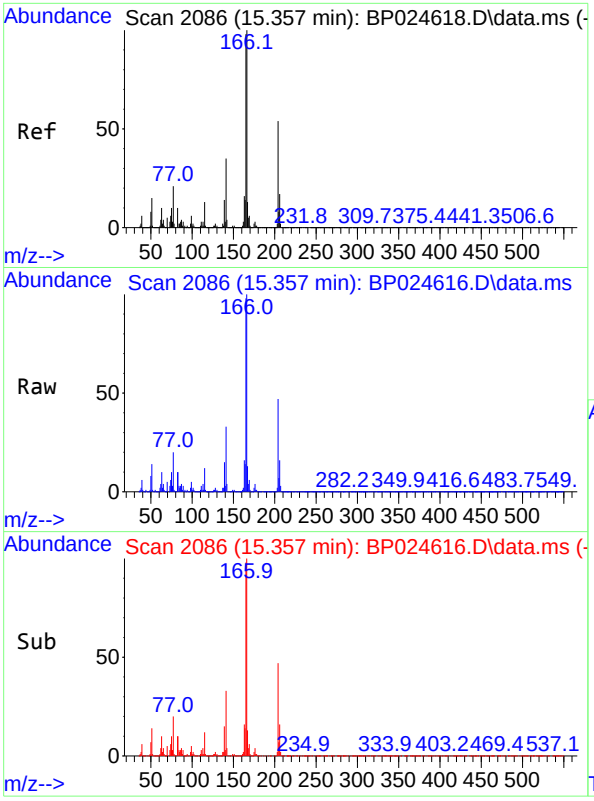



#60
Diethylphthalate
Concen: 10.01 ng
RT: 15.134 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:149 Resp: 206886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 20.6 | 16.7 | 25.1 |
| 150 | 12.4 | 10.2 | 15.2 |

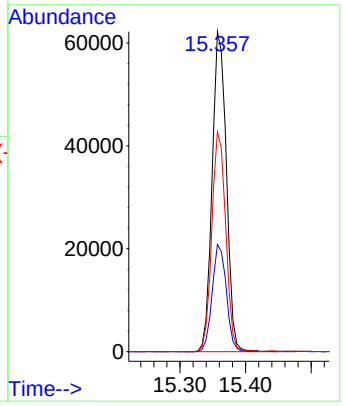





#61
4-Chlorophenyl-phenylether
Concen: 9.91 ng
RT: 15.357 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:204 Resp: 9351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.5 | 26.0 | 39.0 |
| 141 | 68.7 | 52.9 | 79.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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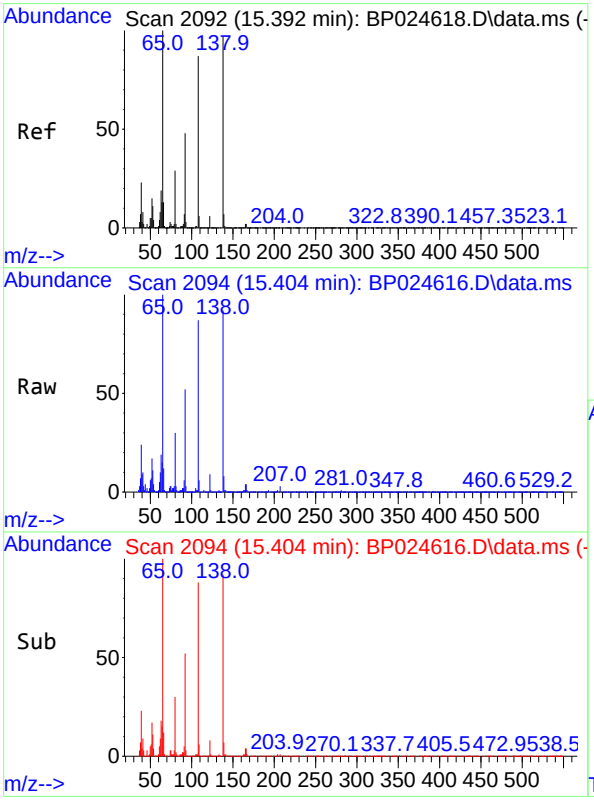
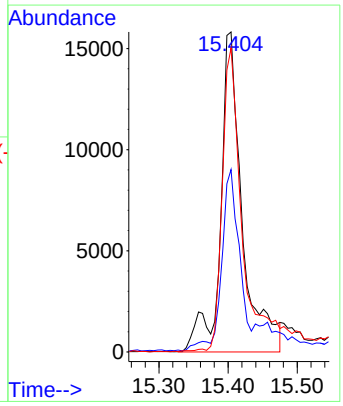
Supervised By :Jagrut Upadhyay 05/14/2025

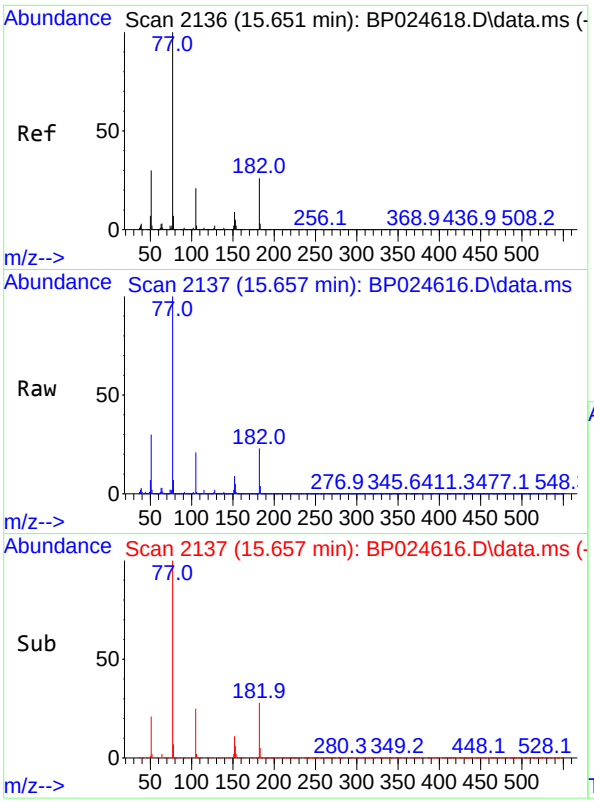



#62
4-Nitroaniline
Concen: 8.11 ng m
RT: 15.404 min Scan# 2094
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:138 Resp: 34813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 57.0 | 29.2 | 69.2 |
| 108 | 95.0 | 69.0 | 109.0 |

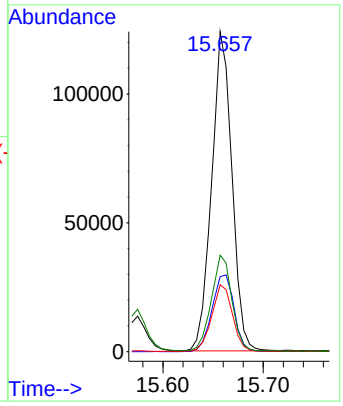





#63
Azobenzene
Concen: 9.86 ng
RT: 15.657 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 77 Resp: 17432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 23.5 | 5.7 | 45.7 |
| 105 | 20.9 | 1.3 | 41.3 |
| 51 | 30.1 | 10.6 | 50.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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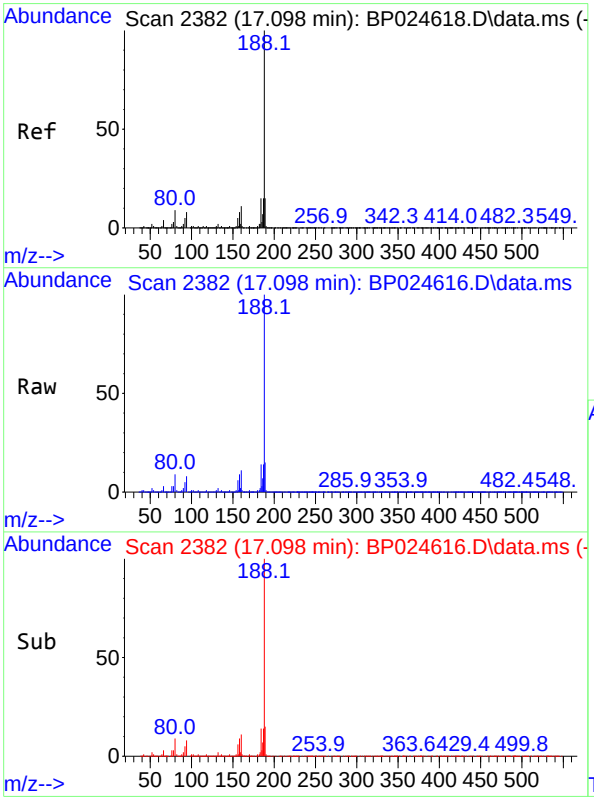
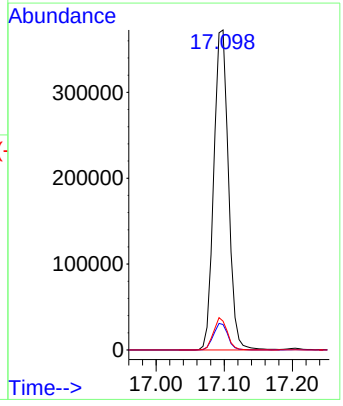
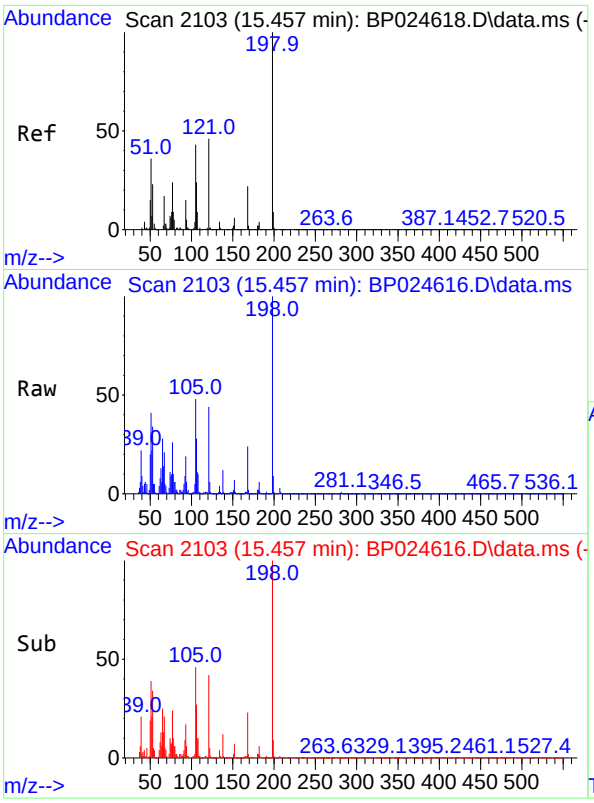



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.098 min Scan# 2382
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:188 Resp: 556673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.0 | 6.5 | 9.7 |
| 80 | 9.0 | 7.3 | 10.9 |






#65
4,6-Dinitro-2-methylphenol
Concen: 7.28 ng
RT: 15.457 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:198 Resp: 2617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 40.9 | 21.1 | 61.1 |
| 105 | 47.8 | 23.6 | 63.6 |

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**

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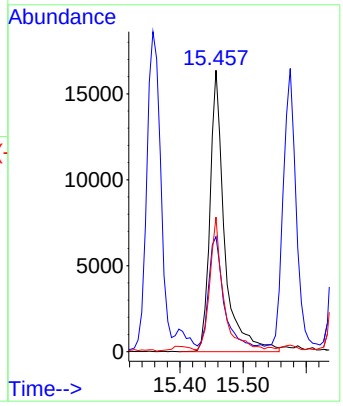
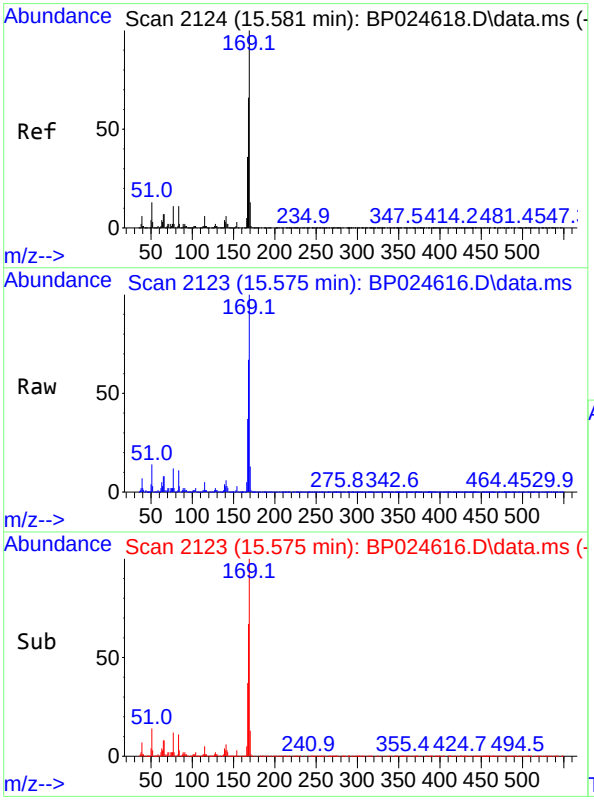
Supervised By :Jagrut Upadhyay 05/14/2025

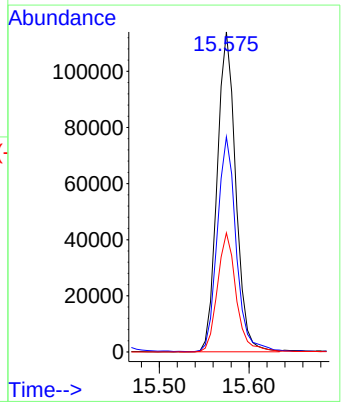


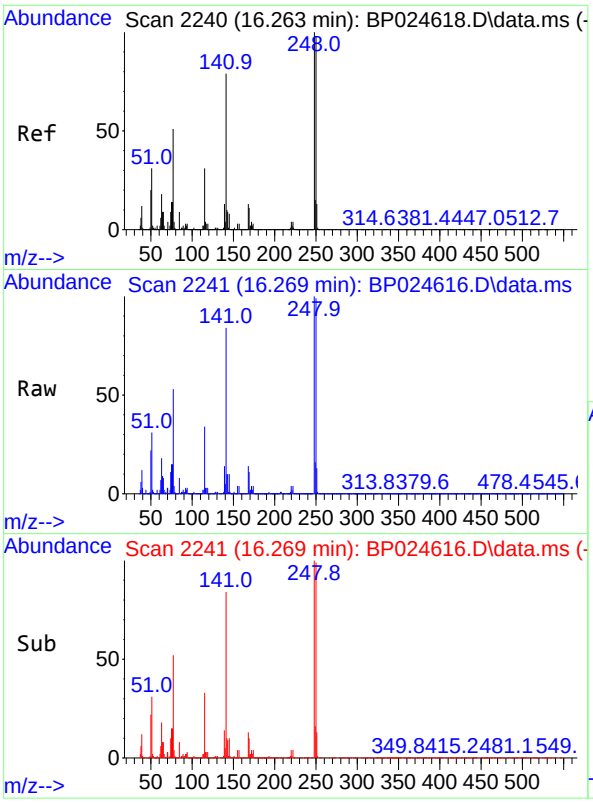




#66
n-Nitrosodiphenylamine
Concen: 9.59 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:169 Resp: 164008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.2 | 53.2 | 79.8 |
| 167 | 37.2 | 28.6 | 43.0 |

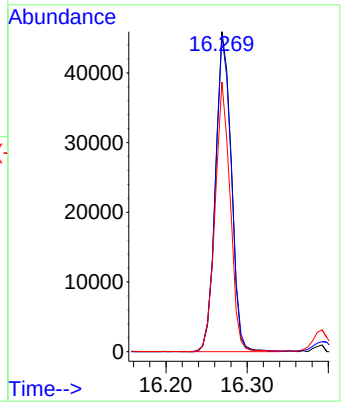





#67
4-Bromophenyl-phenylether
Concen: 9.45 ng
RT: 16.269 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:248 Resp: 6201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.7 | 78.2 | 117.4 |
| 141 | 84.3 | 63.0 | 94.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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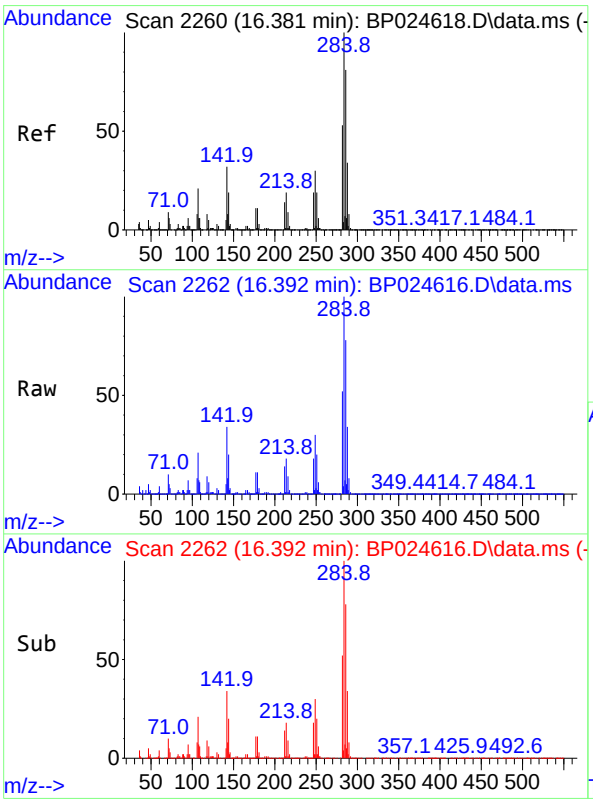
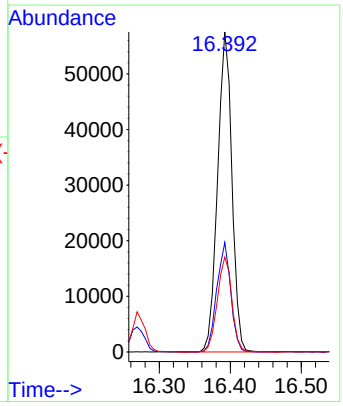
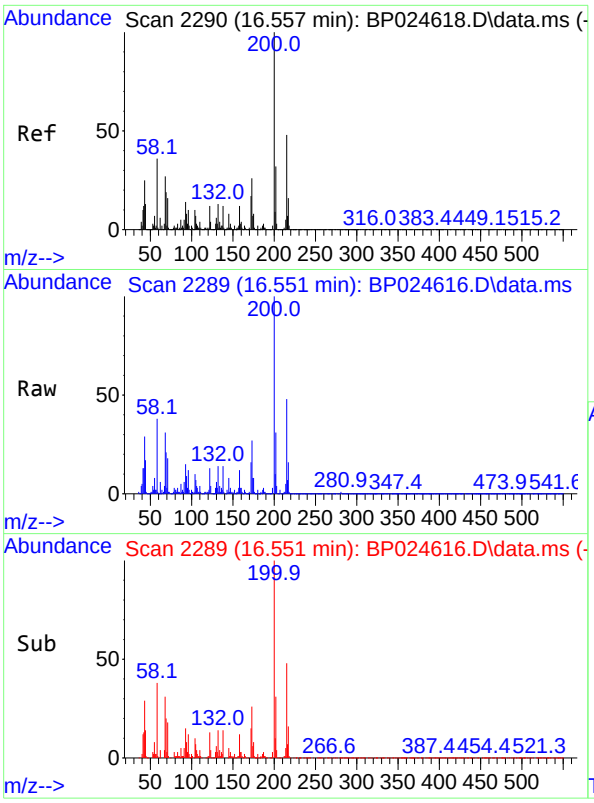



#68
Hexachlorobenzene
Concen: 9.61 ng
RT: 16.392 min Scan# 2262
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:284 Resp: 80088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.2 | 25.9 | 38.9 |
| 249 | 29.6 | 24.1 | 36.1 |

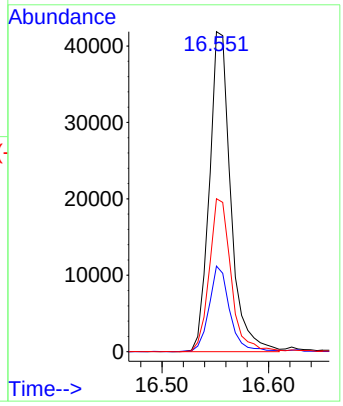





#69
Atrazine
Concen: 9.30 ng
RT: 16.551 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:200 Resp: 5824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.8 | 5.9 | 45.9 |
| 215 | 47.8 | 28.3 | 68.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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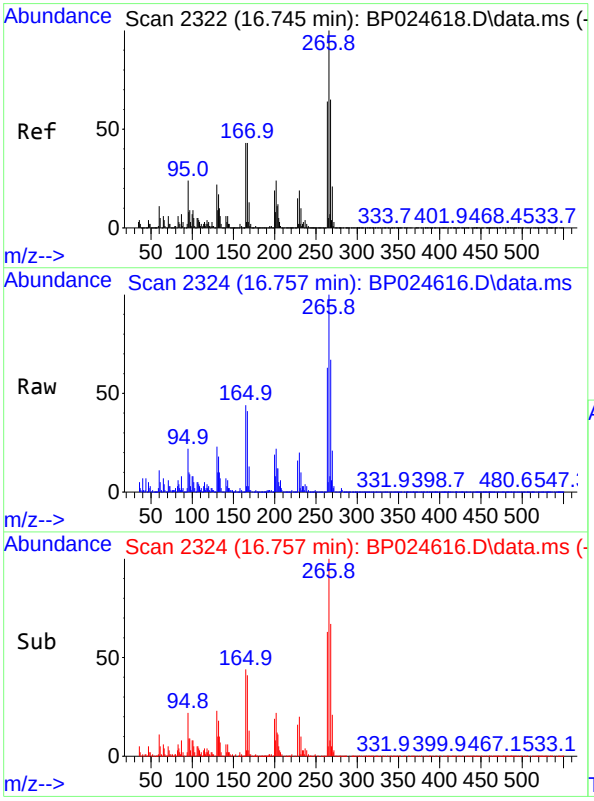
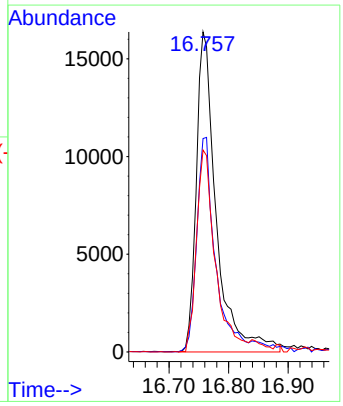
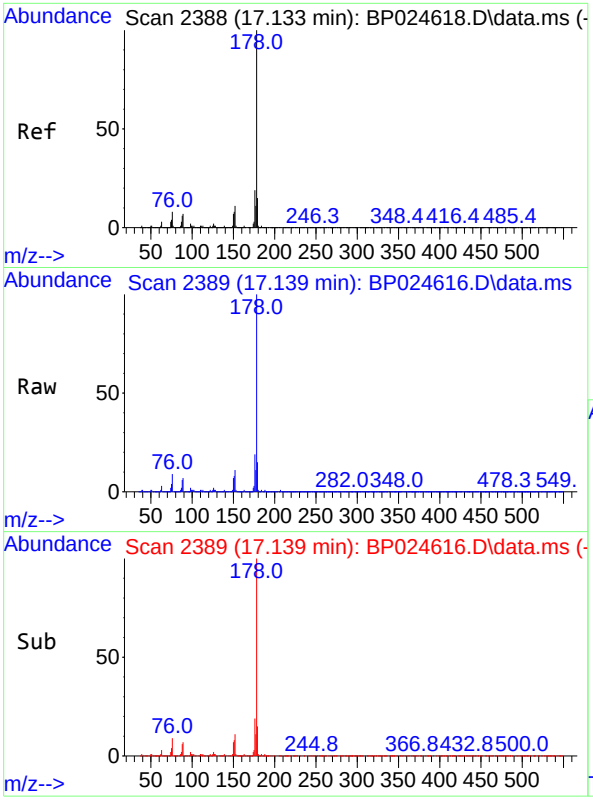



#70
Pentachlorophenol
Concen: 8.14 ng m
RT: 16.757 min Scan# 2324
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:266 Resp: 38095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 66.7 | 52.2 | 78.4 |
| 264 | 63.1 | 51.1 | 76.7 |

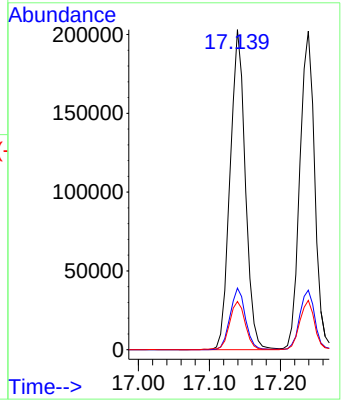





#71
Phenanthrene
Concen: 9.75 ng
RT: 17.139 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:178 Resp: 30186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.4 | 23.2 |
| 179 | 15.1 | 12.2 | 18.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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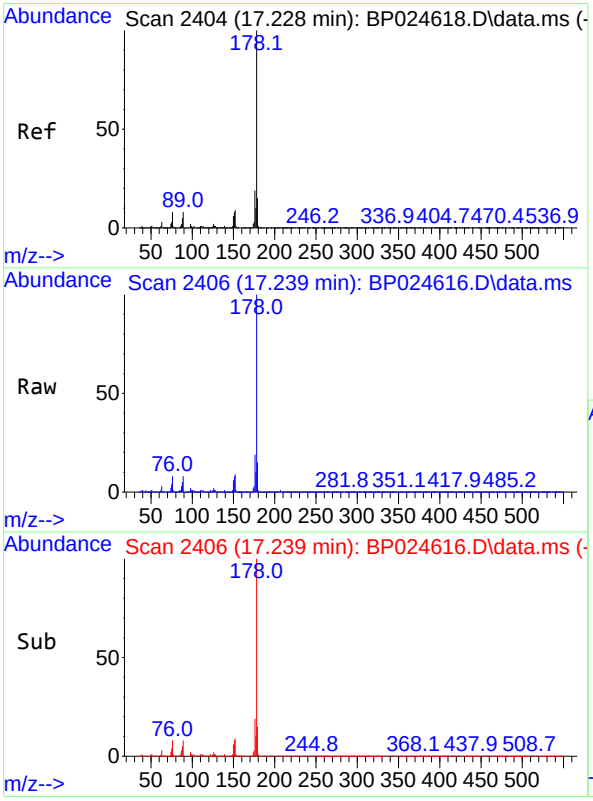
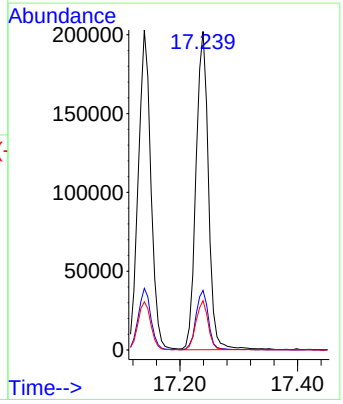
Supervised By :Jagrut Upadhyay 05/14/2025

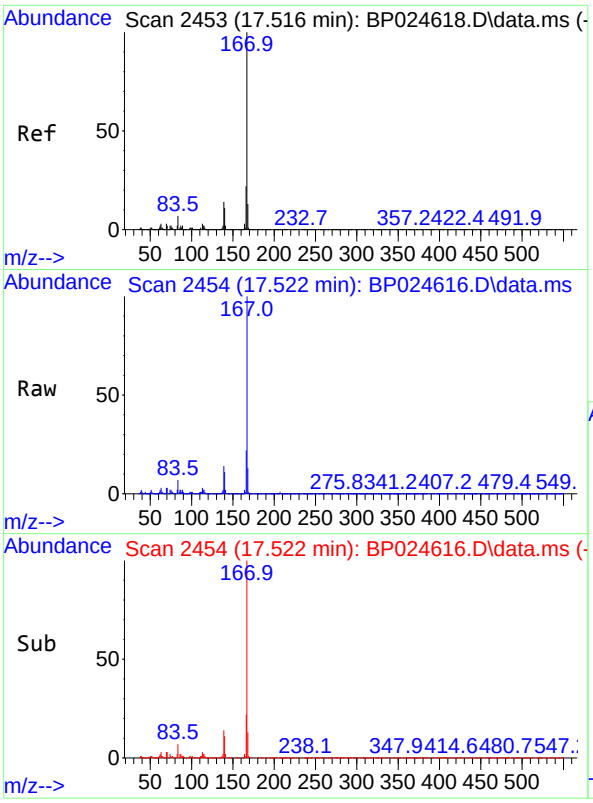



#72
Anthracene
Concen: 9.51 ng
RT: 17.239 min Scan# 2406
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:178 Resp: 296146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.0 | 22.4 |
| 179 | 15.5 | 12.2 | 18.2 |

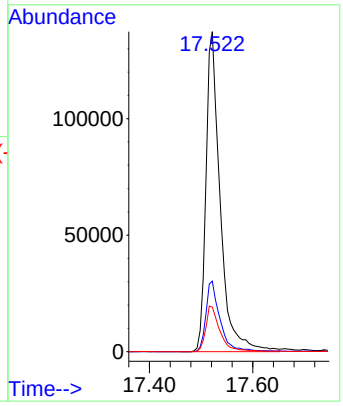





#73
Carbazole
Concen: 9.32 ng
RT: 17.522 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:167 Resp: 26268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.1 | 17.7 | 26.5 |
| 139 | 13.9 | 11.3 | 16.9 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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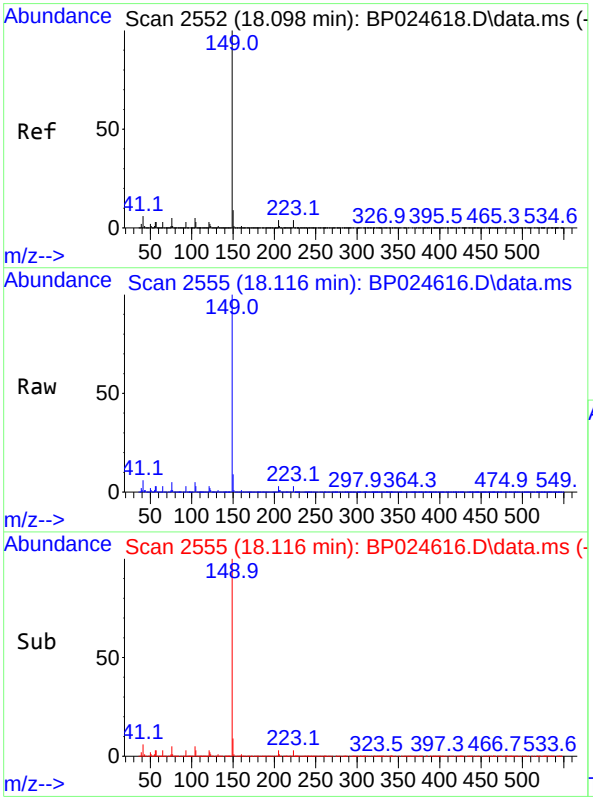
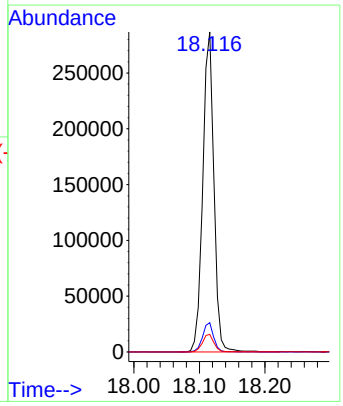
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

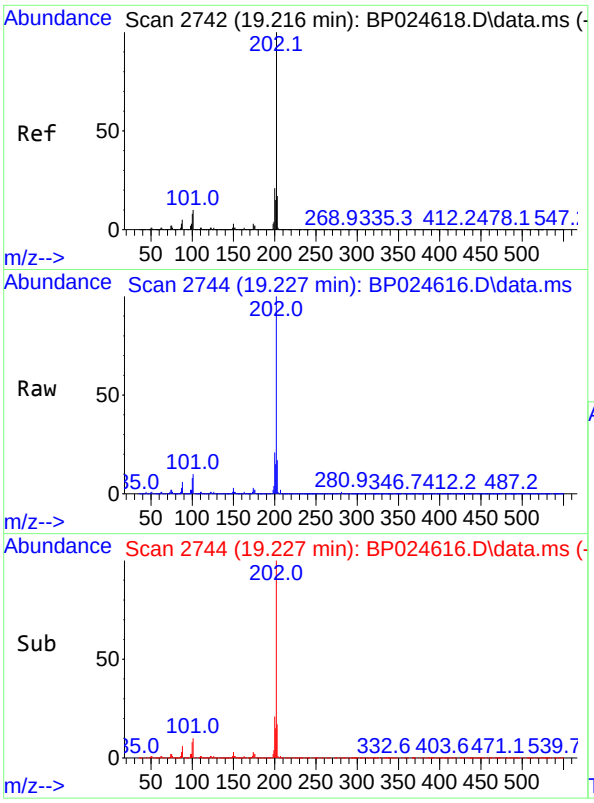



#74
Di-n-butylphthalate
Concen: 9.35 ng
RT: 18.116 min Scan# 2555
Delta R.T. 0.018 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:149 Resp: 338893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.2 | 10.8 |
| 104 | 5.5 | 4.3 | 6.5 |






#75
Fluoranthene
Concen: 9.65 ng
RT: 19.227 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:202 Resp: 34908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.6 | 0.0 | 30.3 |
| 203 | 17.1 | 0.0 | 37.5 |

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

**Manual Integrations**
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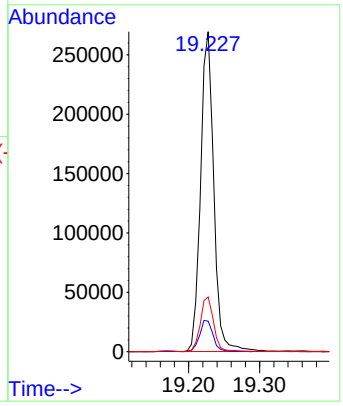
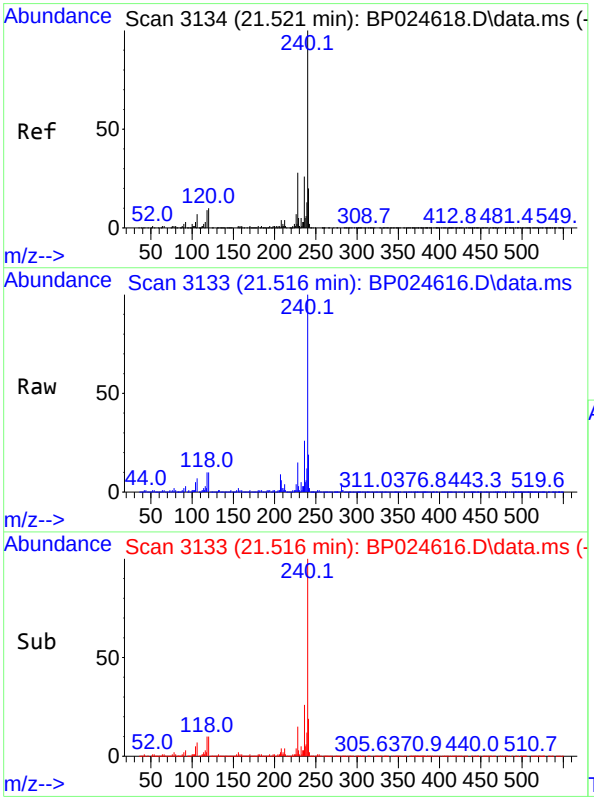
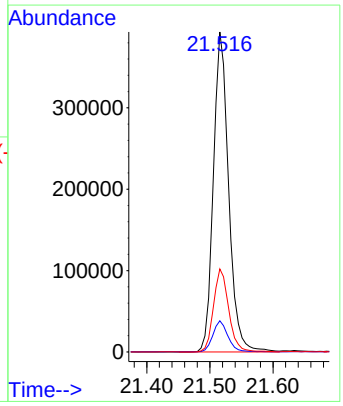


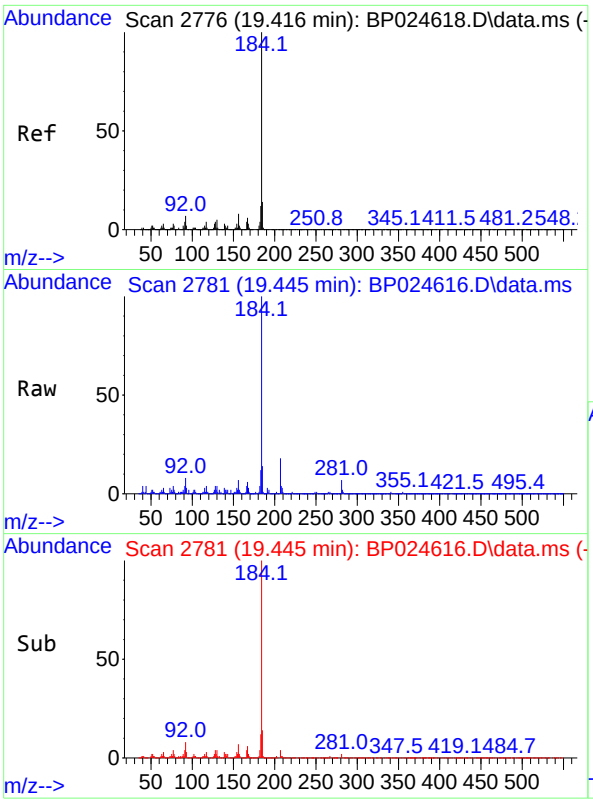




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:240 Resp: 659092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.8 | 7.8 | 11.6 |
| 236 | 25.9 | 20.6 | 31.0 |

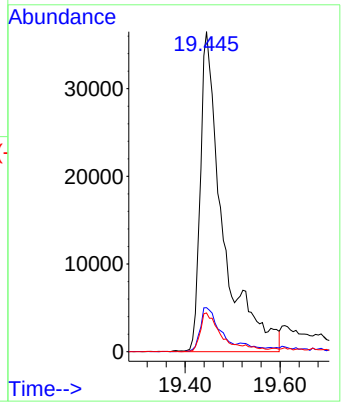





#77
Benzidine
Concen: 6.59 ng m
RT: 19.445 min Scan# 2
Delta R.T. 0.029 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:184 Resp: 11922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 13.7 | 11.2 | 16.8 |
| 183 | 12.1 | 9.8 | 14.8 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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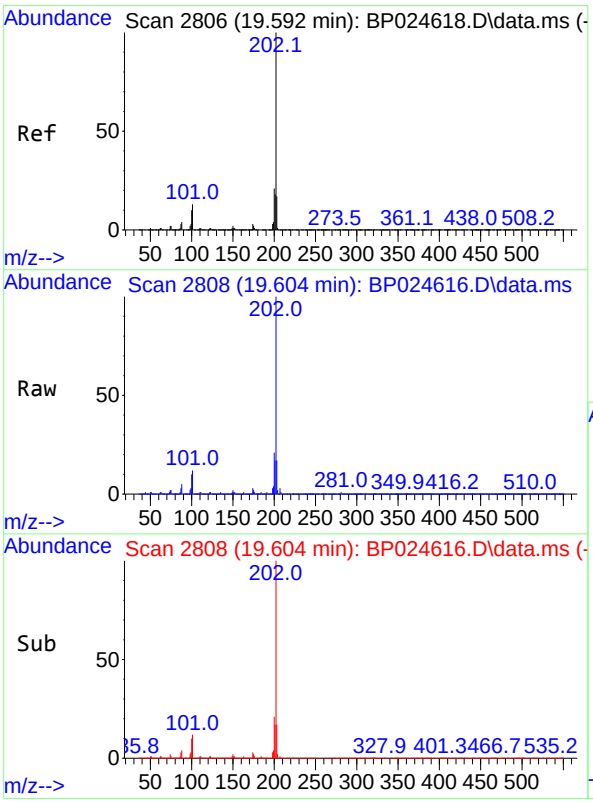
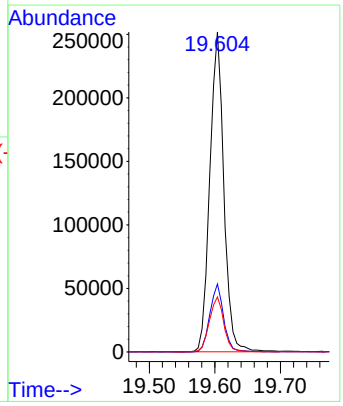
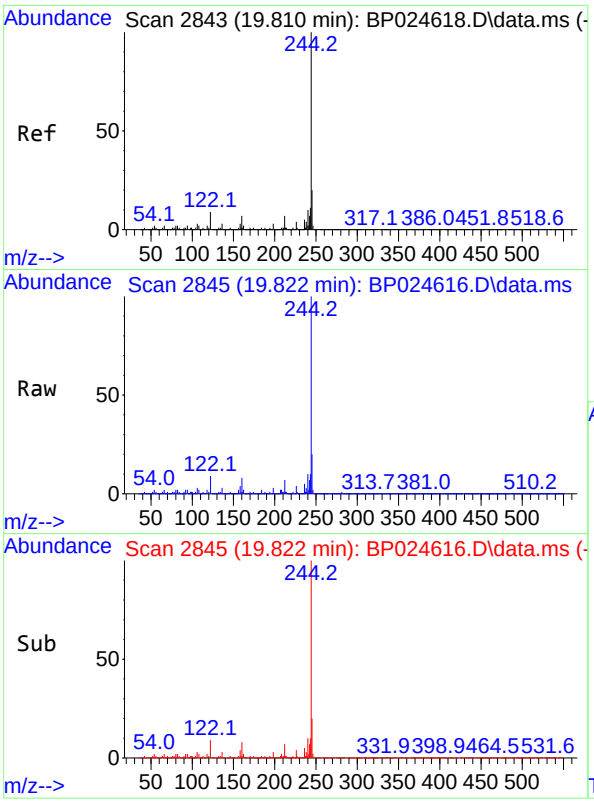



#78
Pyrene
Concen: 9.48 ng
RT: 19.604 min Scan# 2808
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:202 Resp: 374573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.3 | 16.9 | 25.3 |
| 203 | 17.2 | 13.9 | 20.9 |

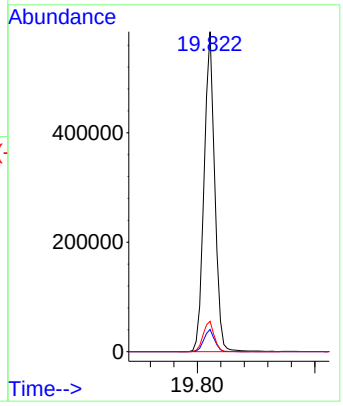





#79
Terphenyl-d14
Concen: 19.09 ng
RT: 19.822 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:244 Resp: 73368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.5 | 8.3 |
| 122 | 9.5 | 7.4 | 11.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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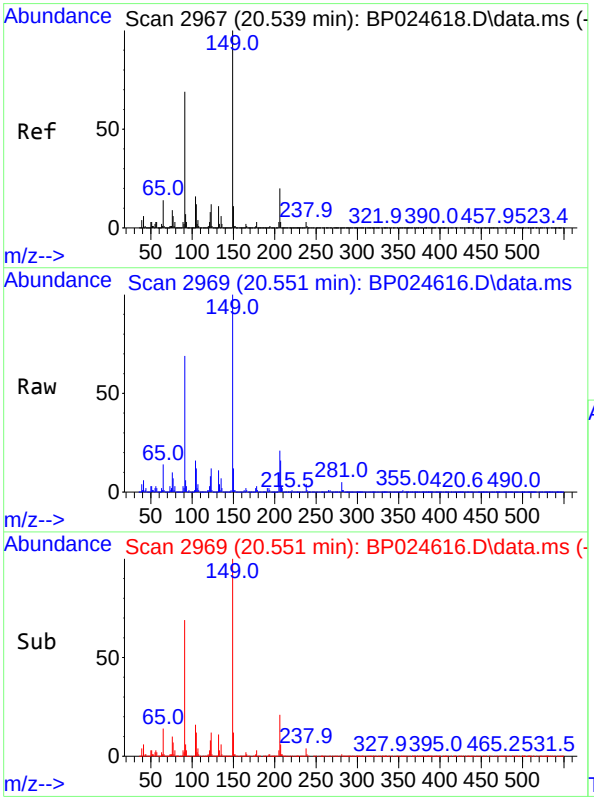
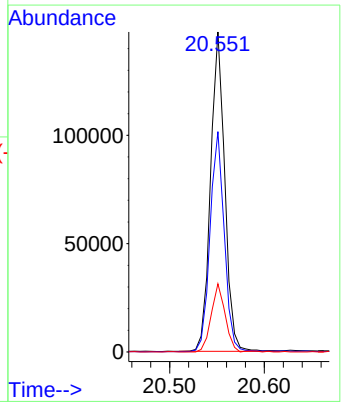
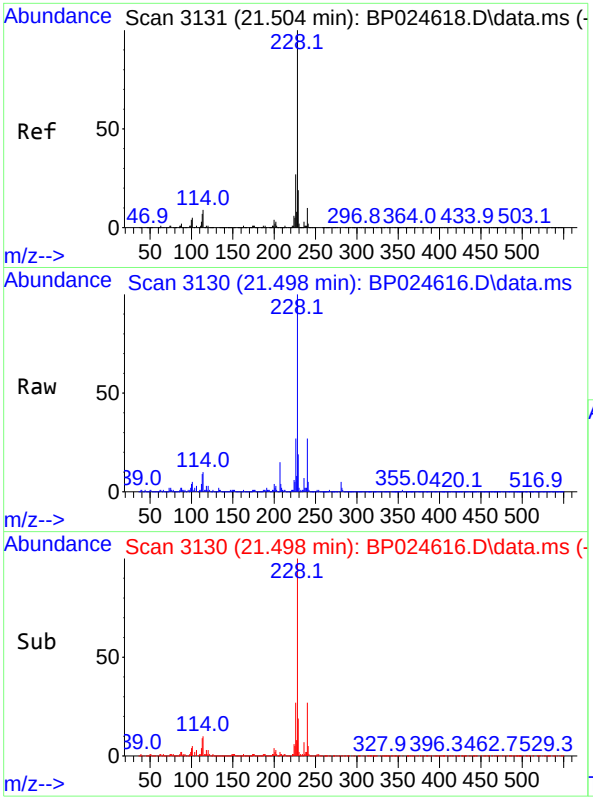



#80
Butylbenzylphthalate
Concen: 8.73 ng
RT: 20.551 min Scan# 2969
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:149 Resp: 153275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 68.8 | 55.4 | 83.0 |
| 206 | 21.3 | 16.2 | 24.2 |

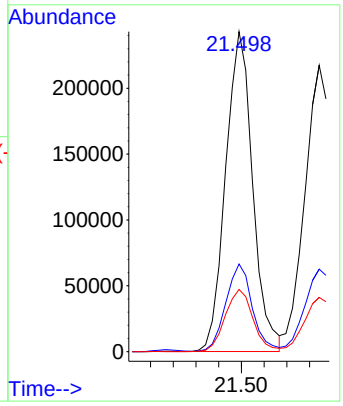





#81
Benzo(a)anthracene
Concen: 9.70 ng
RT: 21.498 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:228 Resp: 40132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.4 | 21.4 | 32.0 |
| 229 | 19.5 | 15.5 | 23.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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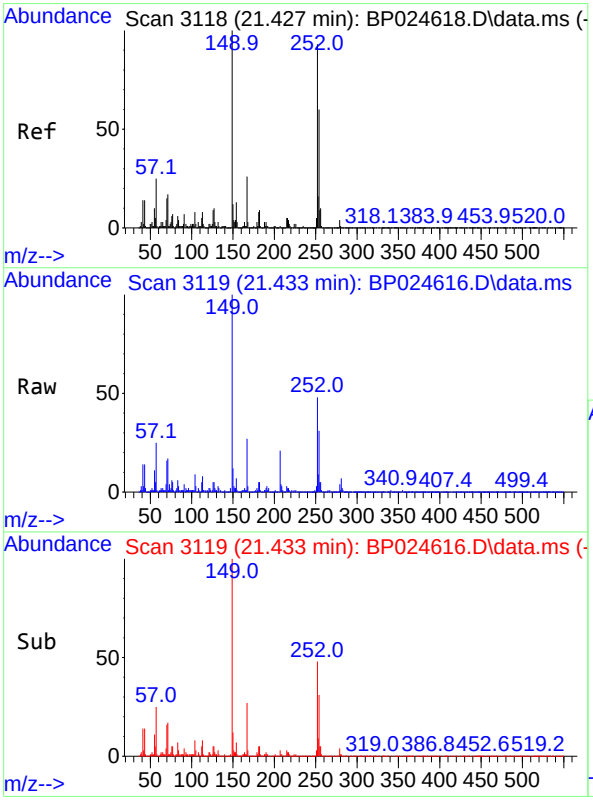
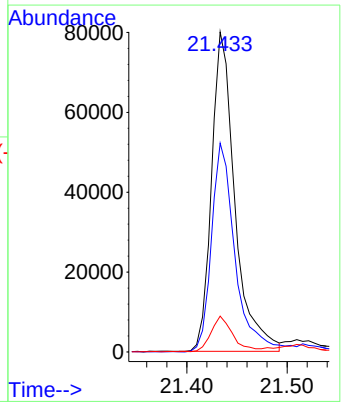
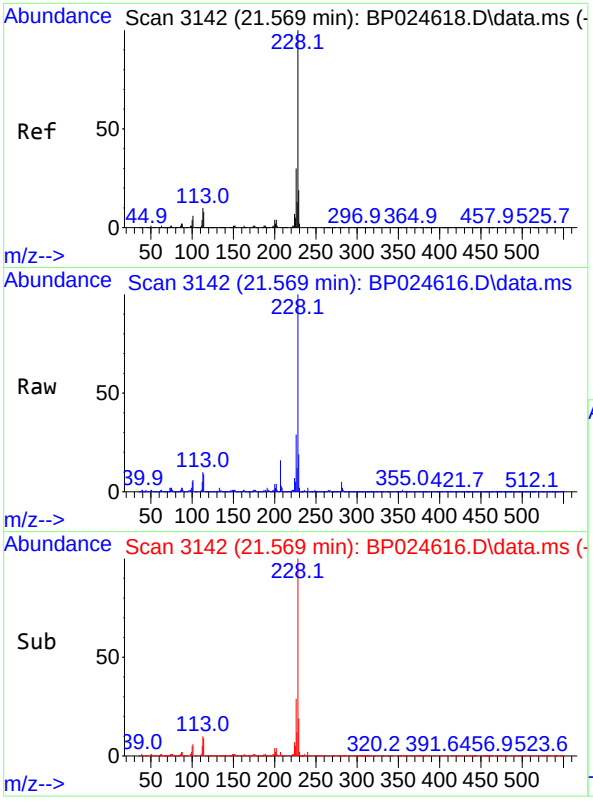



#82
3,3'-Dichlorobenzidine
Concen: 8.41 ng
RT: 21.433 min Scan# 3119
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:252 Resp: 129324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.2 | 51.8 | 77.6 |
| 126 | 11.2 | 7.7 | 11.5 |

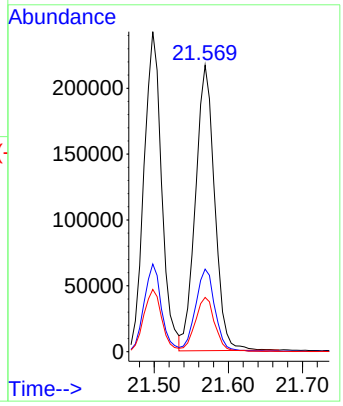





#83
Chrysene
Concen: 9.91 ng
RT: 21.569 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:228 Resp: 38884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.8 | 23.9 | 35.9 |
| 229 | 19.0 | 15.5 | 23.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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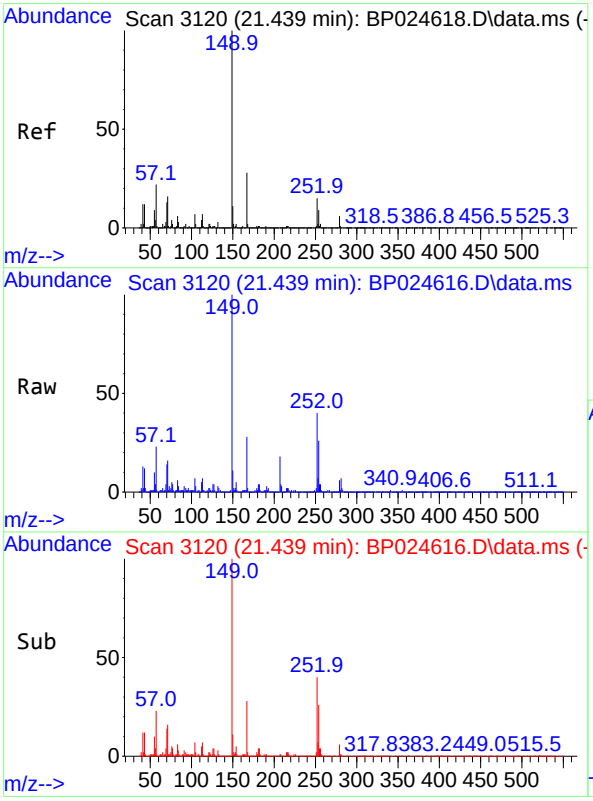
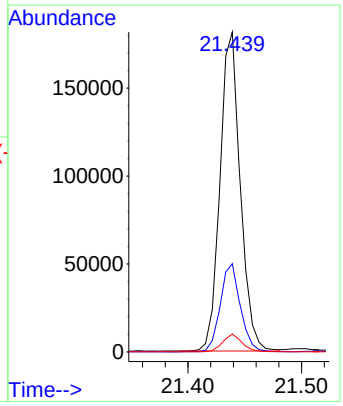
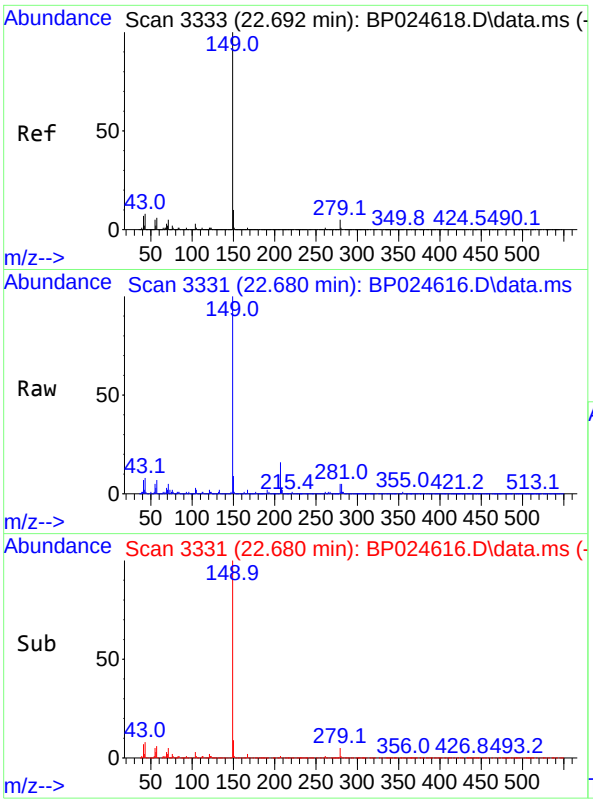



#84
Bis(2-ethylhexyl)phthalate
Concen: 8.72 ng
RT: 21.439 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:149 Resp: 225047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.6 | 22.1 | 33.1 |
| 279 | 5.6 | 4.6 | 6.8 |

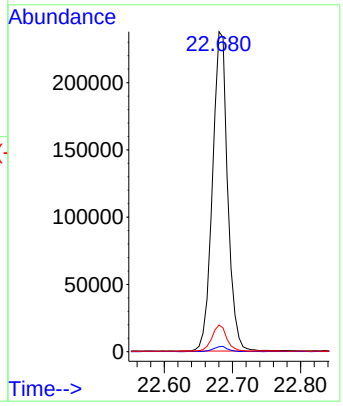





#85
Di-n-octyl phthalate
Concen: 8.72 ng
RT: 22.680 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:149 Resp: 36793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.2 | 1.8 |
| 43 | 8.0 | 6.3 | 9.5 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**

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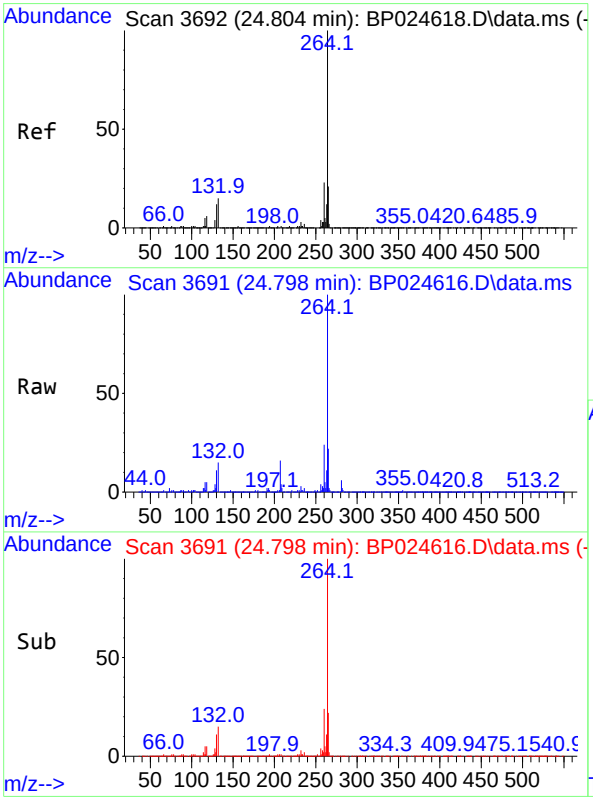
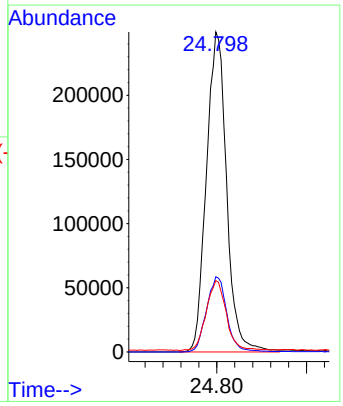
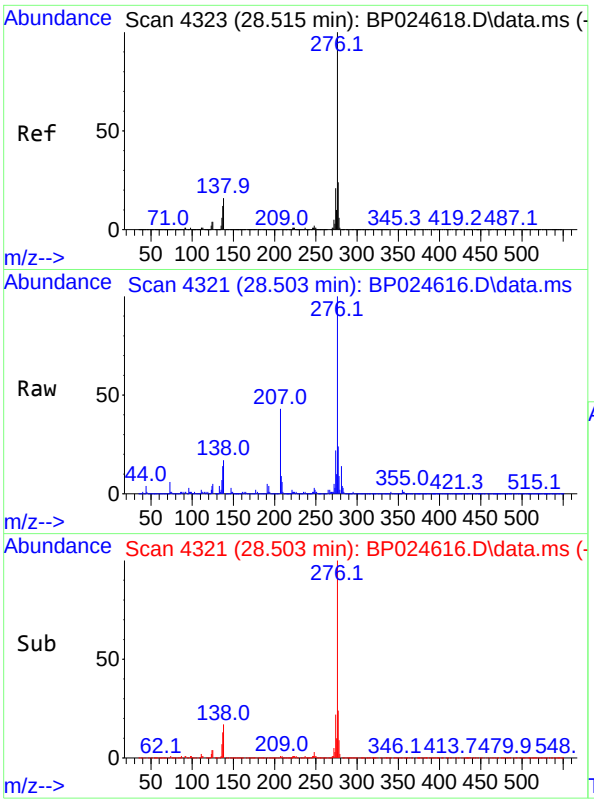



#86
Perylene-d12
Concen: 20.00 ng
RT: 24.798 min Scan# 3691
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:264 Resp: 780142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 18.7 | 28.1 |
| 265 | 22.3 | 17.0 | 25.6 |

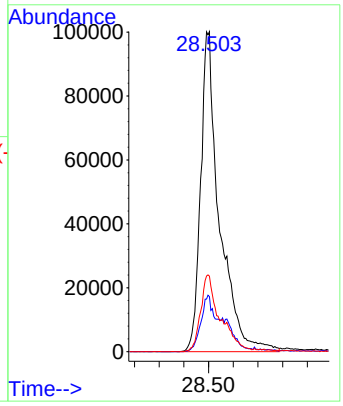





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.29 ng
RT: 28.503 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:276 Resp: 52926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 15.5 | 11.2 | 16.8 |
| 277 | 24.8 | 15.7 | 23.5 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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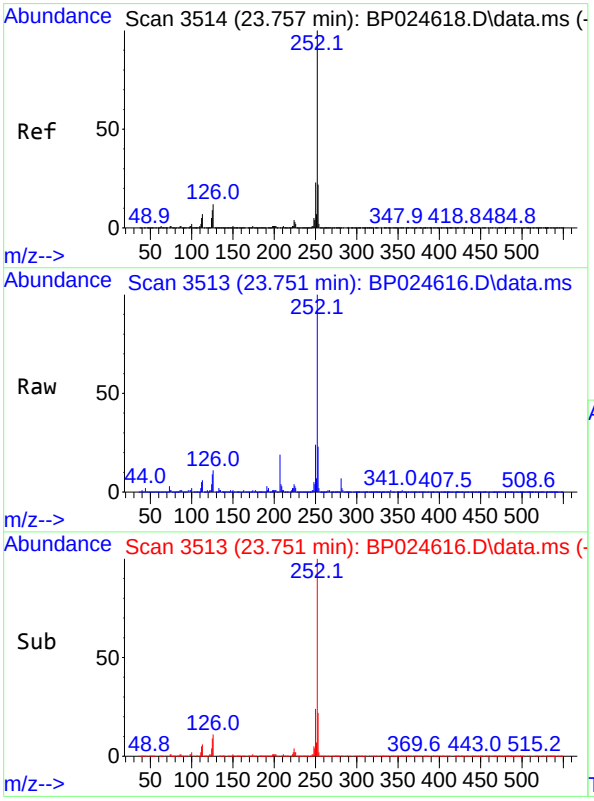
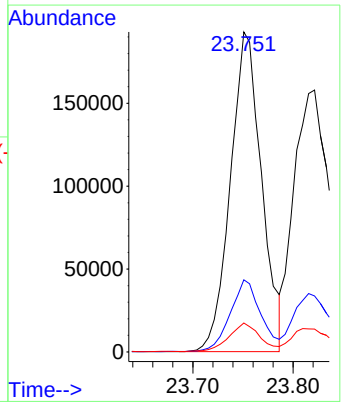
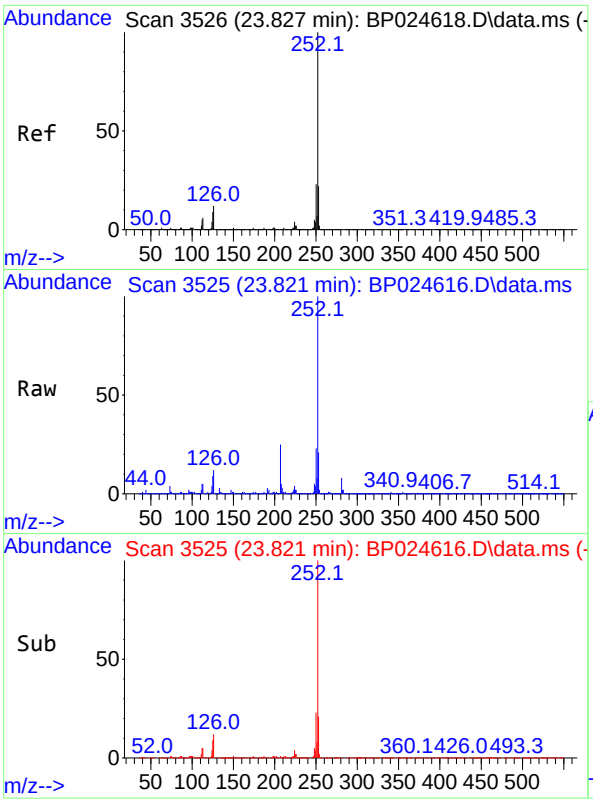



#88
Benzo(b)fluoranthene
Concen: 9.35 ng
RT: 23.751 min Scan# 3513
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:252 Resp: 417343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.6 | 17.7 | 26.5 |
| 125 | 9.1 | 7.5 | 11.3 |

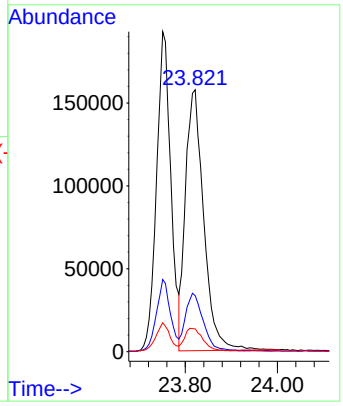





#89
Benzo(k)fluoranthene
Concen: 9.38 ng
RT: 23.821 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:252 Resp: 43157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.4 | 17.6 | 26.4 |
| 125 | 8.7 | 7.0 | 10.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

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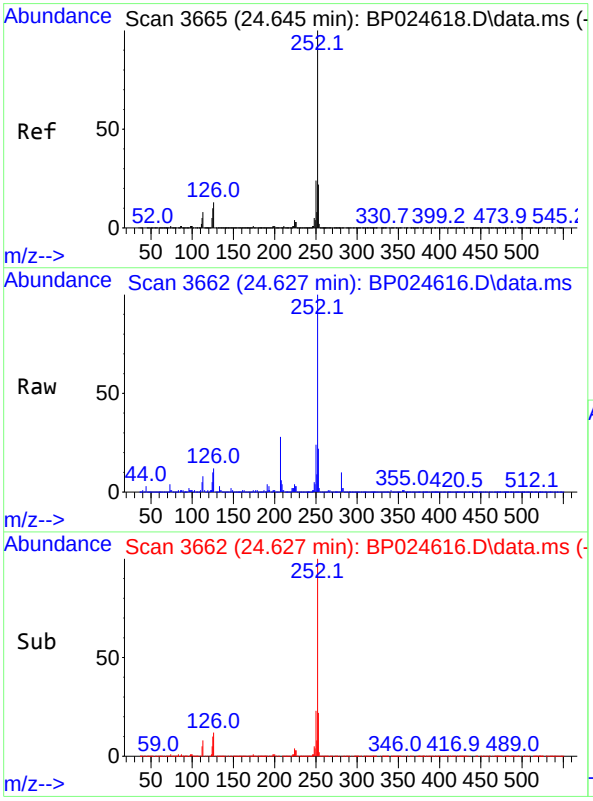
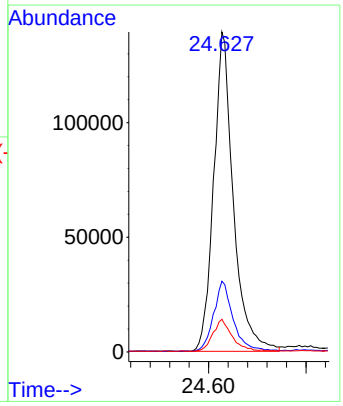
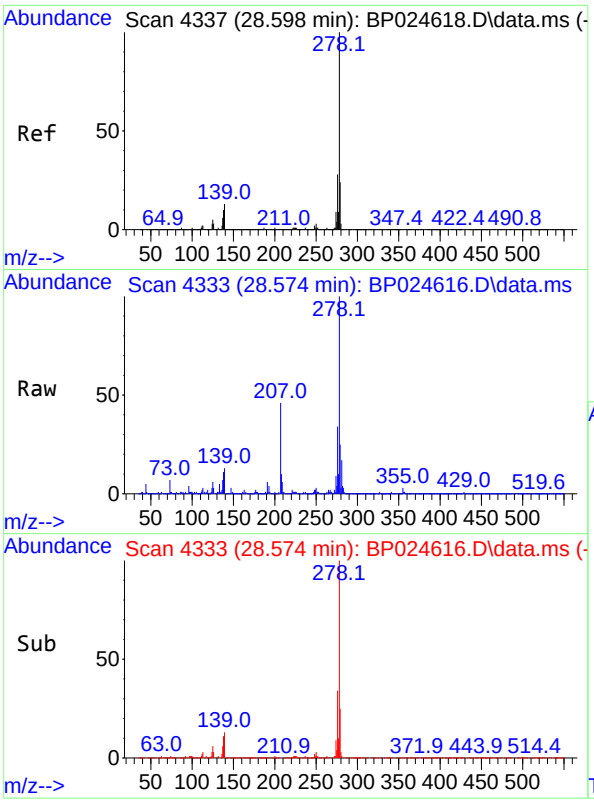



#90
Benzo(a)pyrene
Concen: 9.10 ng
RT: 24.627 min Scan# 3662
Delta R.T. -0.018 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:252 Resp: 390288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.7 | 26.5 |
| 125 | 10.2 | 8.1 | 12.1 |

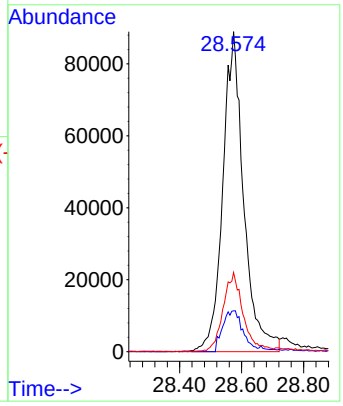





#91
Dibenzo(a,h)anthracene
Concen: 8.97 ng
RT: 28.574 min Scan# 4
Delta R.T. -0.024 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:278 Resp: 41576

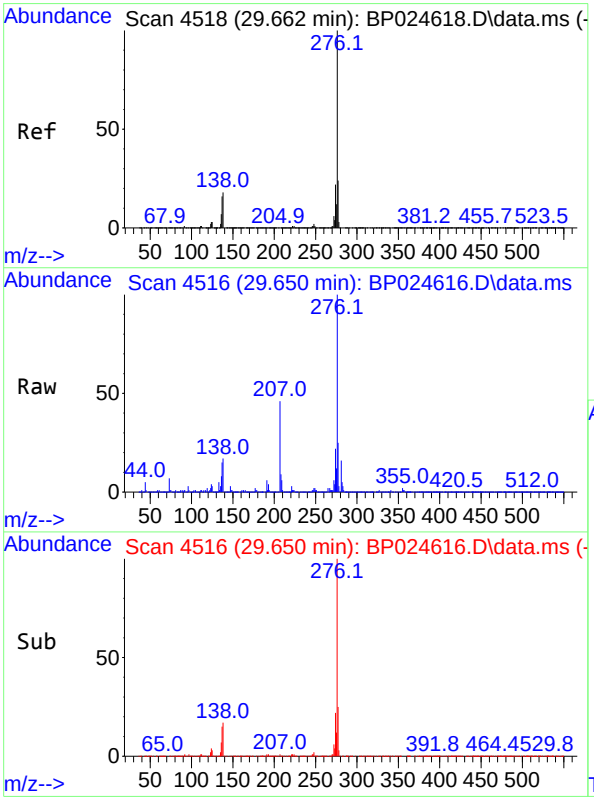
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 12.7 | 10.2 | 15.4 |
| 279 | 24.7 | 19.0 | 28.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**

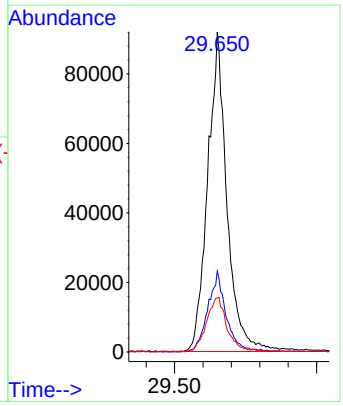
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025




#92
Benzo(g,h,i)perylene
Concen: 9.37 ng
RT: 29.650 min Scan# 4516
Delta R.T. -0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:276 Resp: 431559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.3 | 19.0 | 28.4 |
| 138 | 16.8 | 14.4 | 21.6 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024617.D
Acq On : 13 May 2025 12:43
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:05:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.664 | 152 | 112650 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.434 | 136 | 488721 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.299 | 164 | 323928 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.087 | 188 | 644367 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.522 | 240 | 745224 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.792 | 264 | 850264 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.287 | 112 | 261821 | 39.75 | ng | | 0.00 |
| 7) Phenol-d6 | 6.858 | 99 | 334811 | 39.83 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.811 | 82 | 391739 | 40.50 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.810 | 330 | 217092 | 39.53 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.904 | 172 | 1006150 | 40.69 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.810 | 244 | 1736879 | 39.96 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.229 | 88 | 60251 | 19.48 | ng | | 98 |
| 3) Pyridine | 3.628 | 79 | 135451 | 19.75 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.540 | 42 | 59324 | 19.59 | ng | | 99 |
| 6) Aniline | 7.005 | 93 | 217646 | 20.05 | ng | | 100 |
| 8) 2-Chlorophenol | 7.240 | 128 | 147726 | 19.76 | ng | | 99 |
| 9) Benzaldehyde | 6.822 | 77 | 117823m | 21.69 | ng | | |
| 10) Phenol | 6.881 | 94 | 171949 | 19.82 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.099 | 93 | 141599 | 19.86 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.552 | 146 | 171270 | 19.91 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.699 | 146 | 171756 | 19.85 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.011 | 146 | 168795 | 20.02 | ng | | 99 |
| 15) Benzyl Alcohol | 7.911 | 79 | 127076 | 19.89 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.187 | 45 | 171274 | 20.06 | ng | | 100 |
| 17) 2-Methylphenol | 8.111 | 107 | 124506 | 20.01 | ng | | 99 |
| 18) Hexachloroethane | 8.728 | 117 | 65527 | 19.76 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.458 | 70 | 122386 | 21.05 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.440 | 107 | 169264 | 20.00 | ng | | 97 |
| 22) Acetophenone | 8.481 | 105 | 249692 | 20.45 | ng | # | 100 |
| 24) Nitrobenzene | 8.858 | 77 | 173686 | 20.40 | ng | | 99 |
| 25) Isophorone | 9.375 | 82 | 339697 | 20.25 | ng | | 100 |
| 26) 2-Nitrophenol | 9.563 | 139 | 82278 | 19.73 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.622 | 122 | 146819 | 19.96 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 9.852 | 93 | 200872 | 20.04 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.099 | 162 | 141785 | 19.90 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.299 | 180 | 159998 | 19.92 | ng | | 95 |
| 31) Naphthalene | 10.481 | 128 | 512888 | 20.25 | ng | | 100 |
| 32) Benzoic acid | 9.746 | 122 | 71538m | 18.73 | ng | | |
| 33) 4-Chloroaniline | 10.605 | 127 | 205433 | 20.10 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.763 | 225 | 103364 | 19.87 | ng | | 99 |
| 35) Caprolactam | 11.381 | 113 | 50721 | 19.68 | ng | | 99 |
| 36) 4-Chloro-3-methylphenol | 11.734 | 107 | 174840 | 20.12 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.093 | 142 | 327447 | 19.97 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.316 | 142 | 352091 | 20.07 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.469 | 216 | 185982 | 19.77 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.440 | 237 | 113499 | 19.90 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.722 | 196 | 121520 | 19.95 | ng | | 100 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024617.D
Acq On : 13 May 2025 12:43
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:05:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.799 | 196 | 135306 | 19.95 | ng | 98 |
| 46) 1,1'-Biphenyl | 13.116 | 154 | 483352 | 20.19 | ng | 100 |
| 47) 2-Chloronaphthalene | 13.163 | 162 | 366247 | 20.06 | ng | 100 |
| 48) 2-Nitroaniline | 13.375 | 65 | 107062 | 19.81 | ng | 98 |
| 49) Acenaphthylene | 14.016 | 152 | 621997 | 20.36 | ng | 100 |
| 50) Dimethylphthalate | 13.751 | 163 | 491623 | 19.91 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 13.869 | 165 | 105479 | 20.23 | ng | 97 |
| 52) Acenaphthene | 14.357 | 154 | 354519 | 20.19 | ng | 99 |
| 53) 3-Nitroaniline | 14.210 | 138 | 106527 | 20.01 | ng | 98 |
| 54) 2,4-Dinitrophenol | 14.428 | 184 | 46351 | 19.37 | ng | 91 |
| 55) Dibenzofuran | 14.698 | 168 | 563719 | 20.12 | ng | 99 |
| 56) 4-Nitrophenol | 14.551 | 139 | 71975 | 19.02 | ng | 93 |
| 57) 2,4-Dinitrotoluene | 14.675 | 165 | 147676 | 20.09 | ng | 99 |
| 58) Fluorene | 15.357 | 166 | 456792 | 20.00 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.934 | 232 | 123265 | 19.59 | ng | 99 |
| 60) Diethylphthalate | 15.128 | 149 | 497916 | 19.95 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.351 | 204 | 226790 | 19.91 | ng | 98 |
| 62) 4-Nitroaniline | 15.393 | 138 | 105617 | 20.37 | ng | 99 |
| 63) Azobenzene | 15.651 | 77 | 439183 | 20.57 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.451 | 198 | 77131 | 18.53 | ng | 96 |
| 66) n-Nitrosodiphenylamine | 15.575 | 169 | 404085 | 20.42 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.263 | 248 | 152393 | 20.07 | ng | 97 |
| 68) Hexachlorobenzene | 16.381 | 284 | 192290 | 19.93 | ng | 99 |
| 69) Atrazine | 16.545 | 200 | 146468 | 20.19 | ng | 99 |
| 70) Pentachlorophenol | 16.740 | 266 | 104916 | 19.36 | ng | 98 |
| 71) Phenanthrene | 17.128 | 178 | 724922 | 20.24 | ng | 100 |
| 72) Anthracene | 17.222 | 178 | 735787 | 20.42 | ng | 100 |
| 73) Carbazole | 17.510 | 167 | 669730 | 20.53 | ng | 99 |
| 74) Di-n-butylphthalate | 18.092 | 149 | 858522 | 20.46 | ng | 100 |
| 75) Fluoranthene | 19.210 | 202 | 846684 | 20.22 | ng | 100 |
| 77) Benzidine | 19.422 | 184 | 404890 | 19.79 | ng | 99 |
| 78) Pyrene | 19.592 | 202 | 892037 | 19.98 | ng | 99 |
| 80) Butylbenzylphthalate | 20.539 | 149 | 400050 | 20.14 | ng | 97 |
| 81) Benzo(a)anthracene | 21.498 | 228 | 933614 | 19.95 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.428 | 252 | 353000 | 20.31 | ng | 100 |
| 83) Chrysene | 21.569 | 228 | 883001 | 19.91 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.439 | 149 | 597012 | 20.45 | ng | 98 |
| 85) Di-n-octyl phthalate | 22.686 | 149 | 947571 | 19.85 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.486 | 276 | 1230125m | 19.81 | ng | |
| 88) Benzo(b)fluoranthene | 23.757 | 252 | 979873 | 20.13 | ng | 99 |
| 89) Benzo(k)fluoranthene | 23.822 | 252 | 1005349 | 20.05 | ng | 100 |
| 90) Benzo(a)pyrene | 24.627 | 252 | 945764 | 20.23 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 28.568 | 278 | 1008288 | 19.97 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 29.627 | 276 | 991852 | 19.75 | ng | 99 |

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

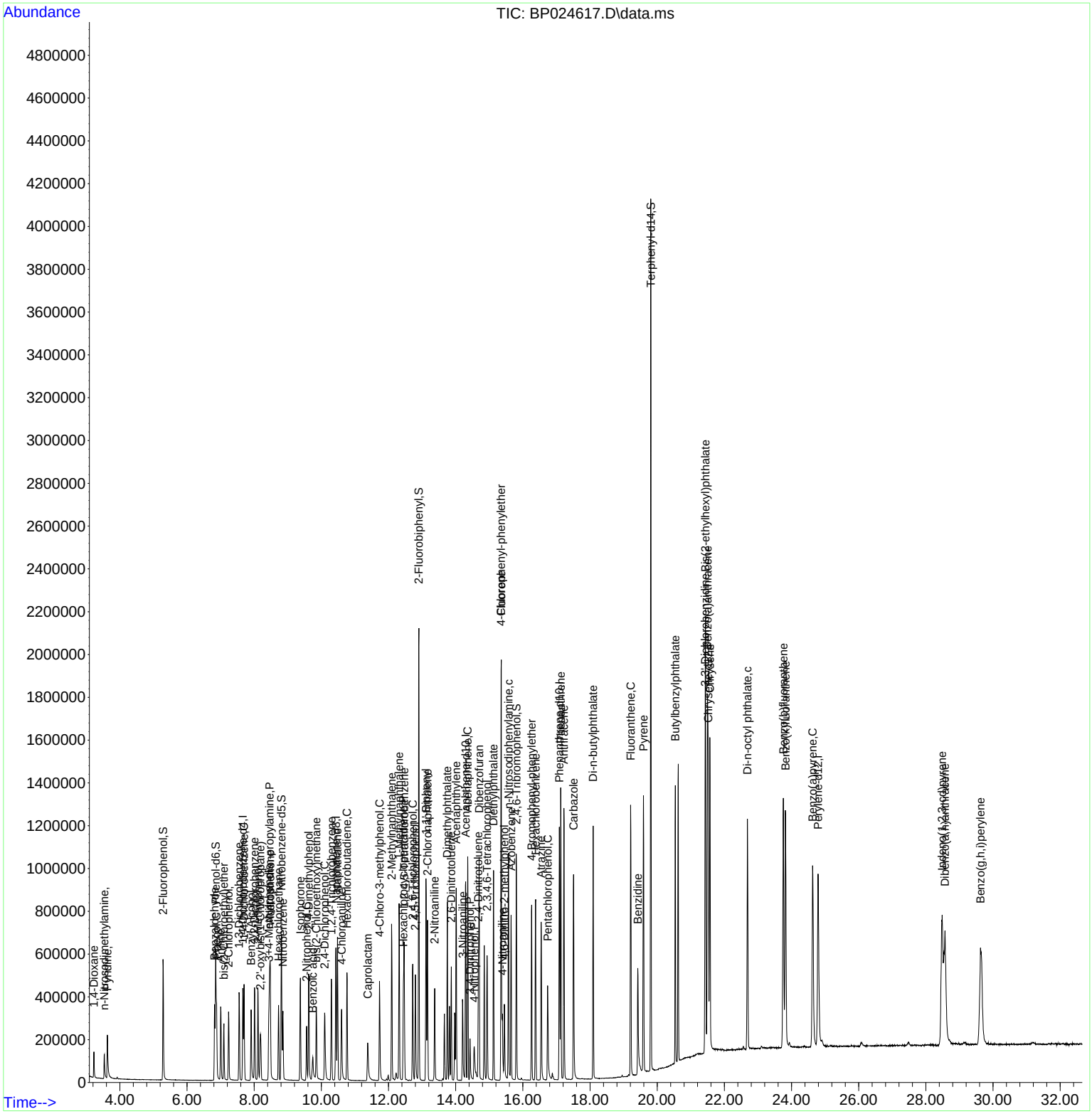
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024617.D
Acq On : 13 May 2025 12:43
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

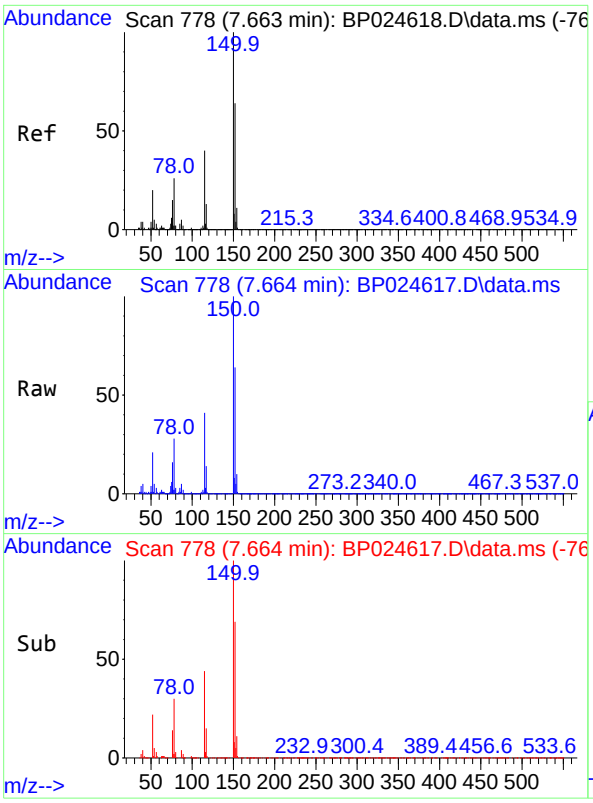
Quant Time: May 13 16:05:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

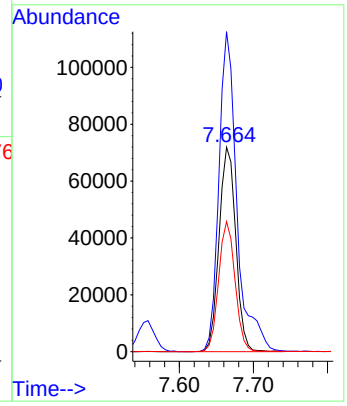





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.664 min Scan# 7
Delta R.T. 0.001 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:152 Resp: 11265

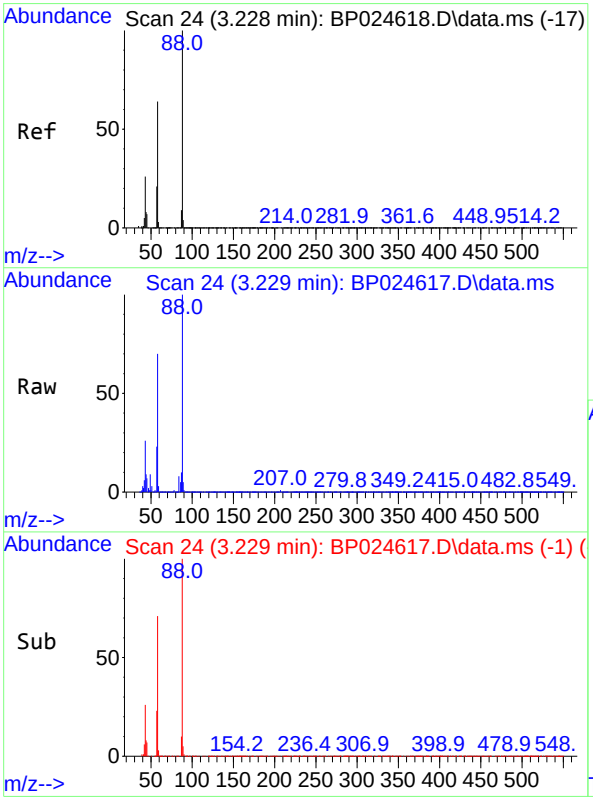
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.4 | 125.9 | 188.9 |
| 115 | 63.6 | 50.1 | 75.1 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**

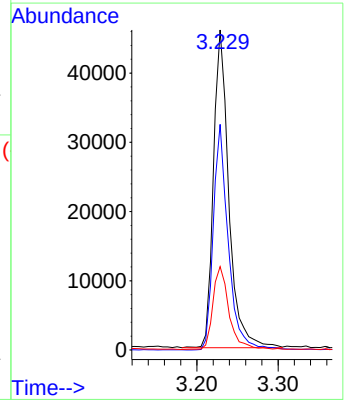
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

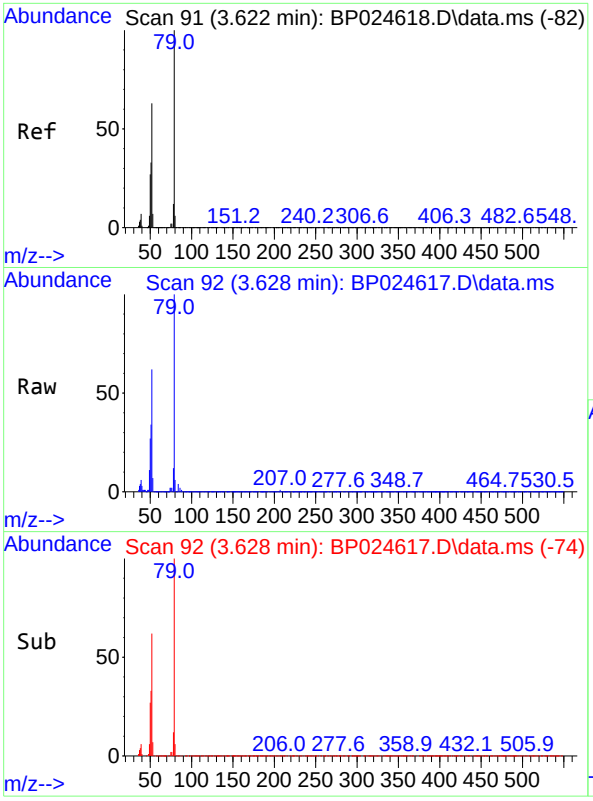



#2
1,4-Dioxane
Concen: 19.48 ng
RT: 3.229 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 88 Resp: 60251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 69.2 | 54.0 | 81.0 |
| 43 | 27.3 | 21.4 | 32.0 |

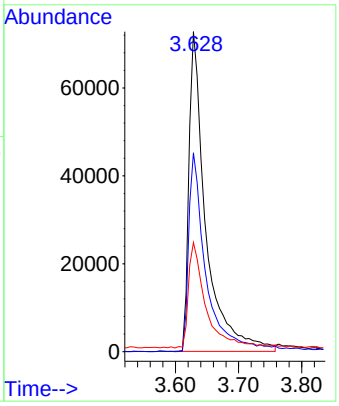





#3
Pyridine
Concen: 19.75 ng
RT: 3.628 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 79 Resp: 13545

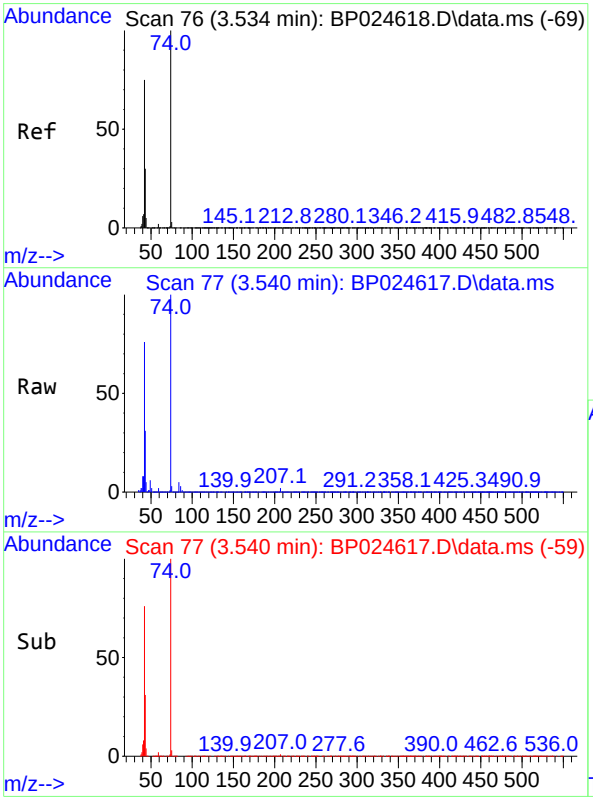
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 62.1 | 50.2 | 75.2 |
| 51 | 34.1 | 26.8 | 40.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**

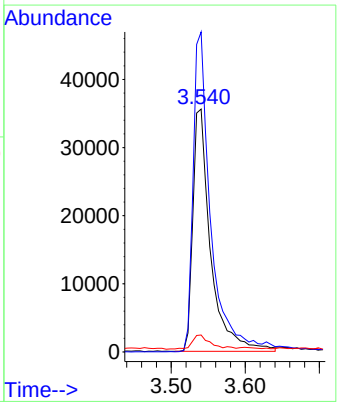
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

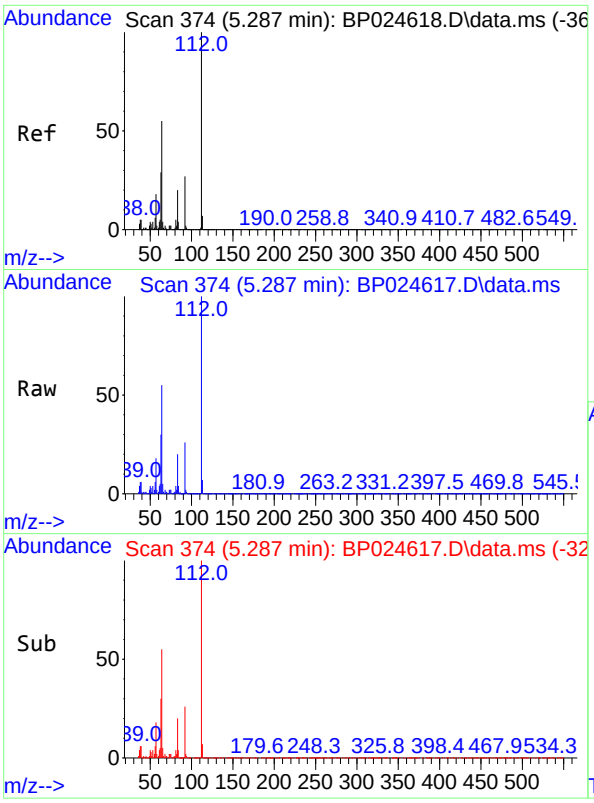



#4
n-Nitrosodimethylamine
Concen: 19.59 ng
RT: 3.540 min Scan# 77
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 42 Resp: 59324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 131.7 | 106.2 | 159.2 |
| 44 | 7.0 | 5.4 | 8.2 |

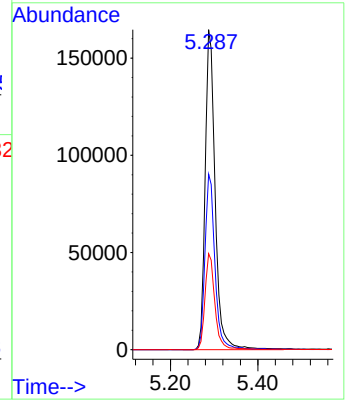





#5
2-Fluorophenol
Concen: 39.75 ng
RT: 5.287 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:112 Resp: 26182

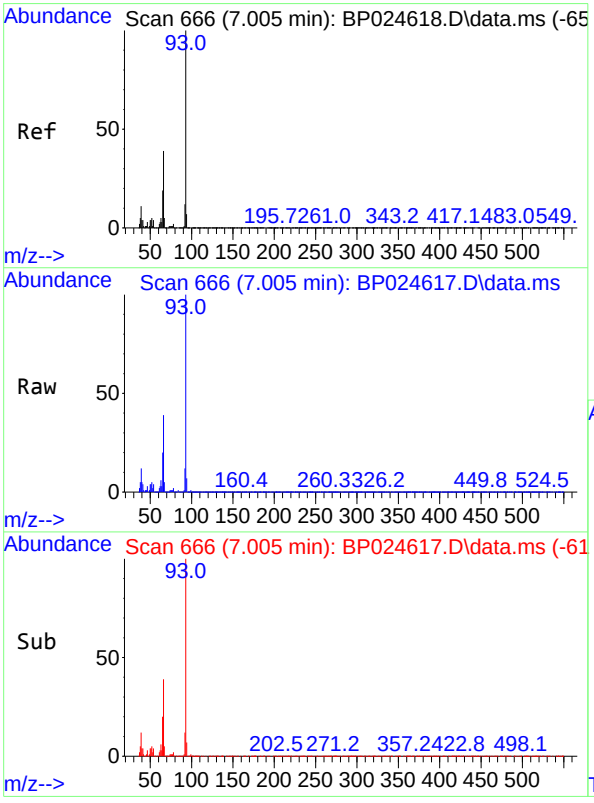
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.8 | 44.1 | 66.1 |
| 63 | 30.0 | 23.5 | 35.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**

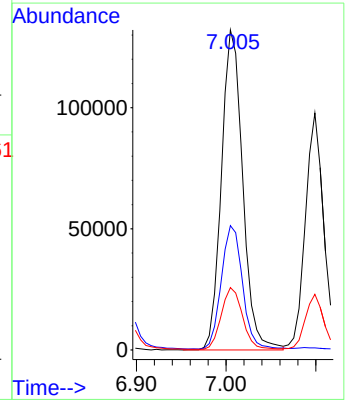
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

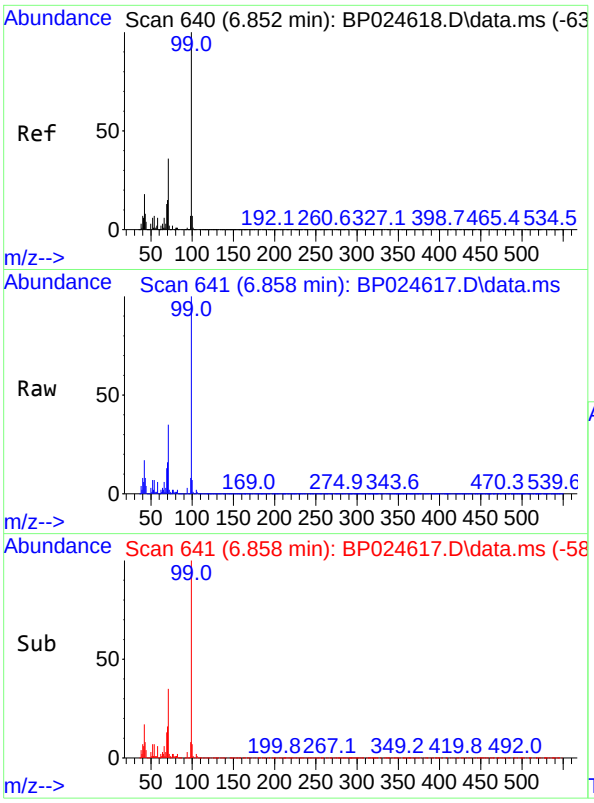



#6
Aniline
Concen: 20.05 ng
RT: 7.005 min Scan# 666
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 93 Resp: 217646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 38.8 | 31.0 | 46.6 |
| 65 | 19.5 | 15.5 | 23.3 |

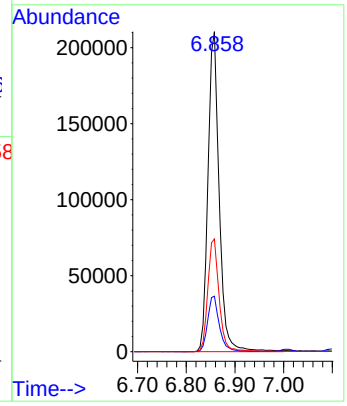





#7
Phenol-d6
Concen: 39.83 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 99 Resp: 33481

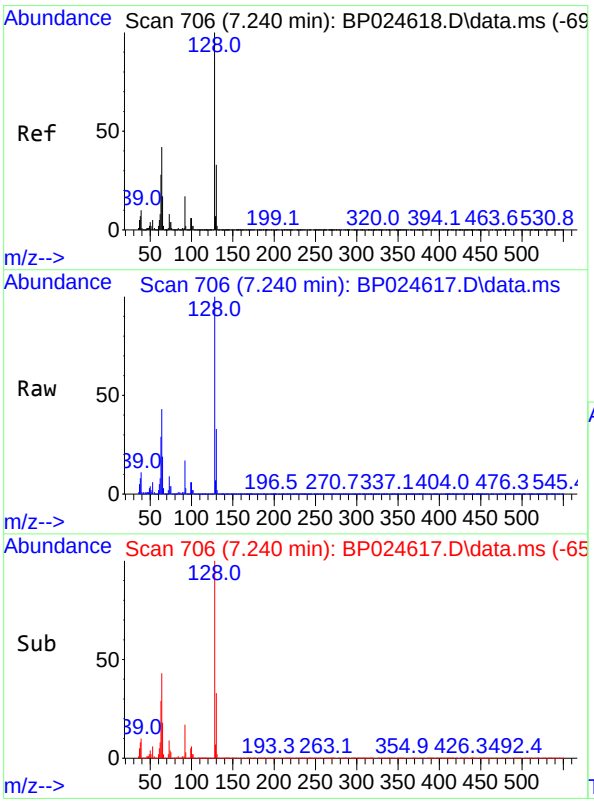
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.4 | 14.4 | 21.6 |
| 71 | 35.3 | 29.2 | 43.8 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**

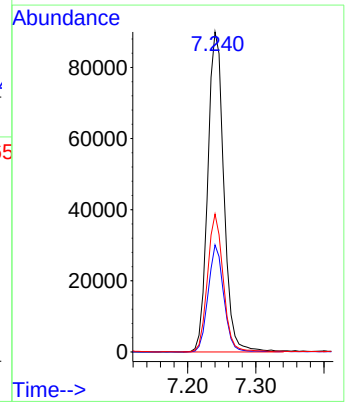
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

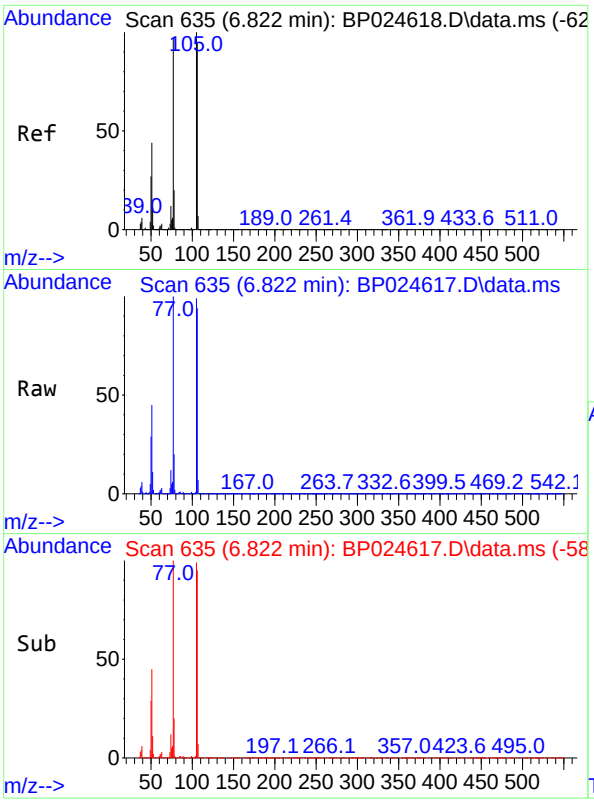



#8
2-Chlorophenol
Concen: 19.76 ng
RT: 7.240 min Scan# 706
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:128 Resp: 147726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.5 | 13.0 | 53.0 |
| 64 | 43.1 | 22.3 | 62.3 |

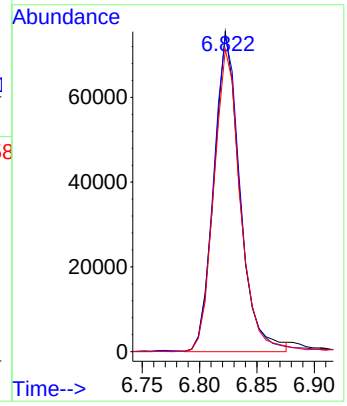





#9
Benzaldehyde
Concen: 21.69 ng m
RT: 6.822 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 77 Resp: 11782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 98.5 | 83.3 | 123.3 |
| 106 | 94.4 | 78.0 | 118.0 |




**Instrument :**
BNA_P
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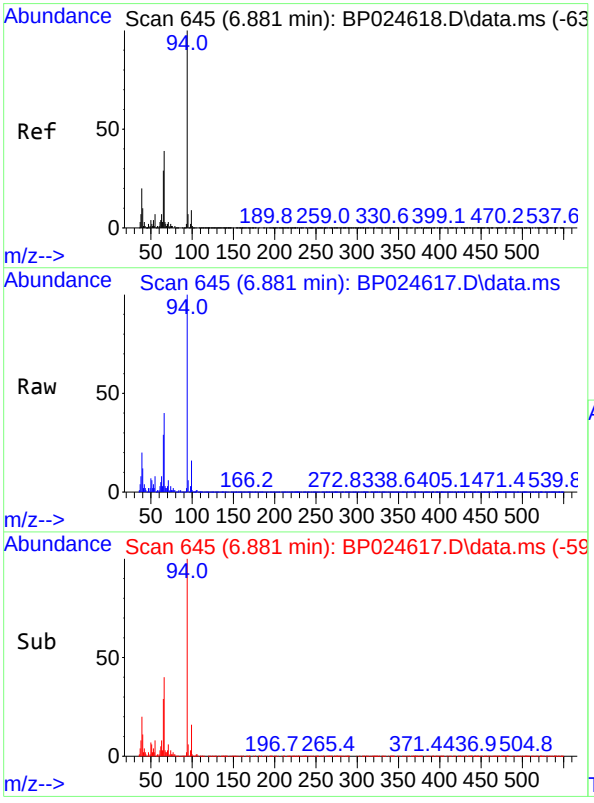
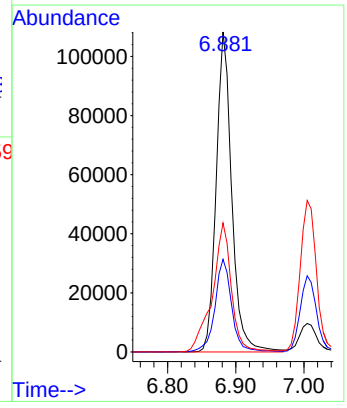
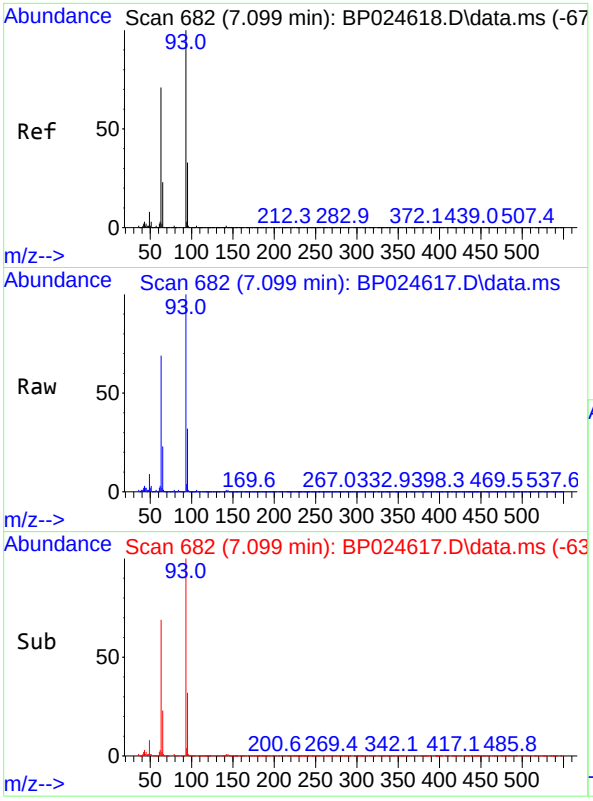



#10
Phenol
Concen: 19.82 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 94 Resp: 171949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.9 | 8.7 | 48.7 |
| 66 | 40.3 | 19.4 | 59.4 |

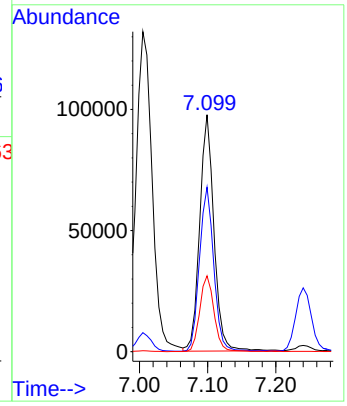





#11
bis(2-Chloroethyl)ether
Concen: 19.86 ng
RT: 7.099 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 93 Resp: 14159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 69.4 | 50.6 | 90.6 |
| 95 | 32.0 | 12.9 | 52.9 |




**Instrument :**
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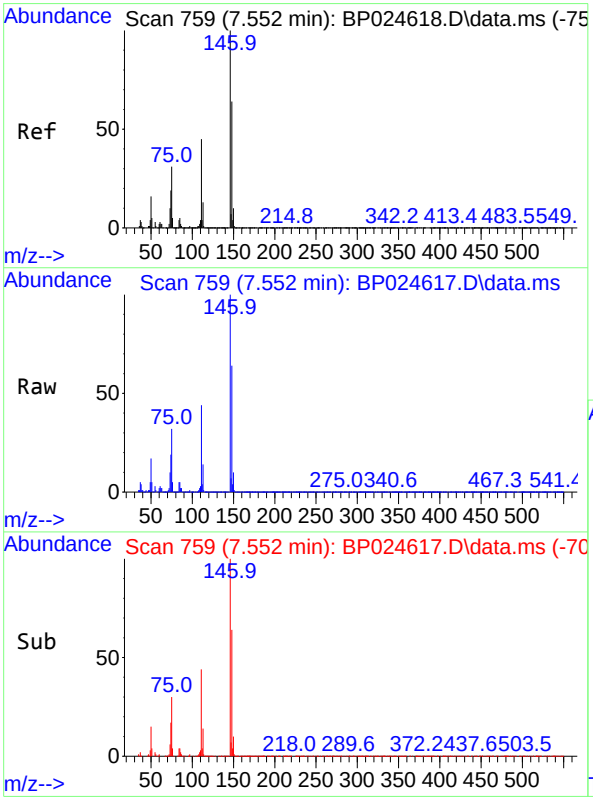
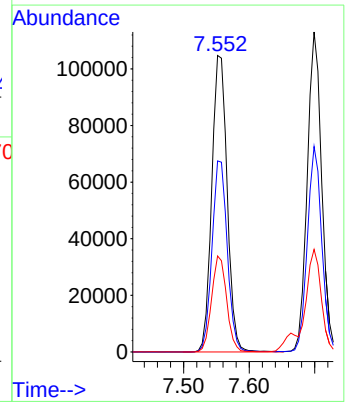
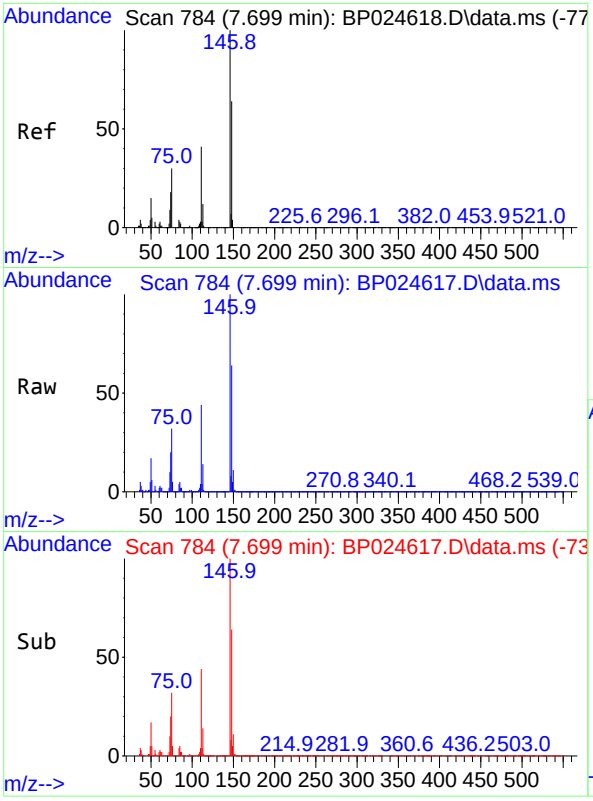



#12
1,3-Dichlorobenzene
Concen: 19.91 ng
RT: 7.552 min Scan# 759
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:146 Resp: 171270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 51.4 | 77.2 |
| 75 | 32.4 | 25.2 | 37.8 |

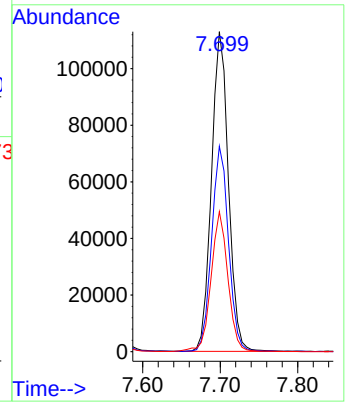





#13
1,4-Dichlorobenzene
Concen: 19.85 ng
RT: 7.699 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:146 Resp: 17175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.0 | 76.6 |
| 111 | 43.7 | 33.0 | 49.6 |




**Instrument :**
BNA_P
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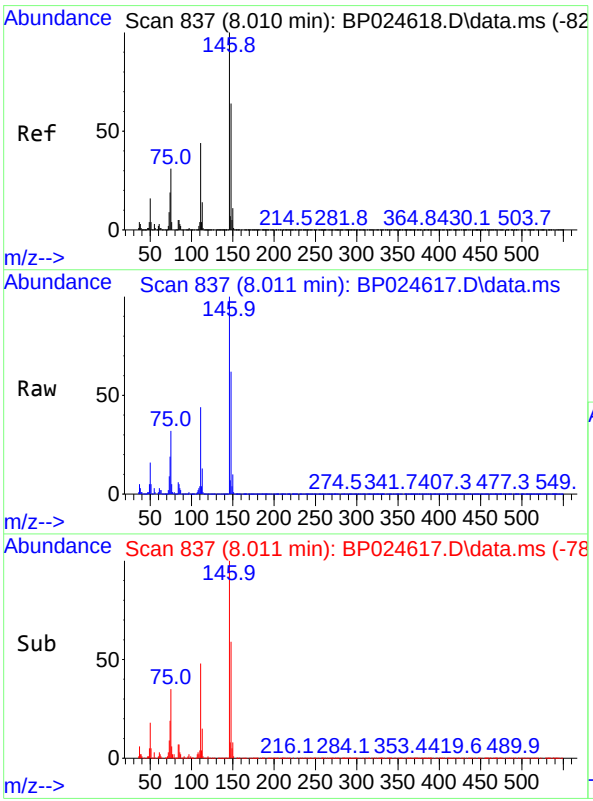
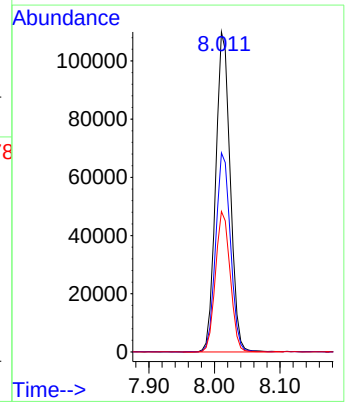
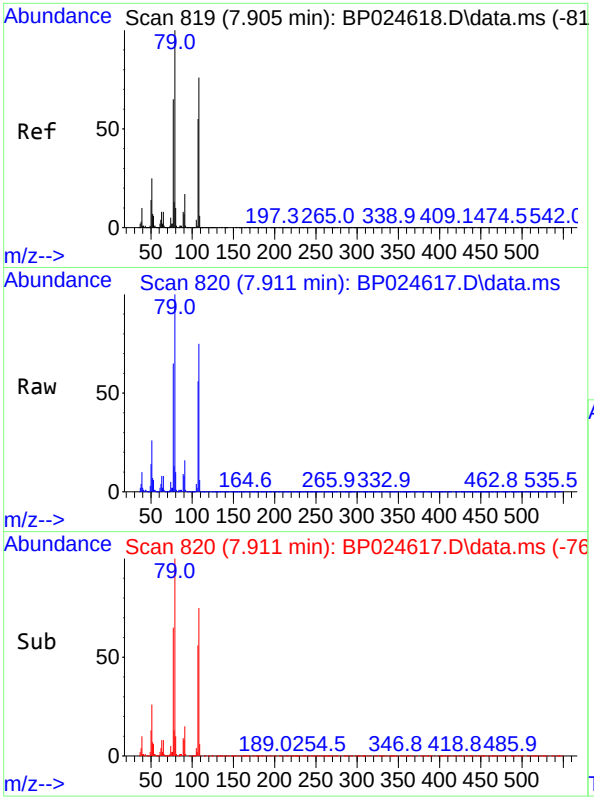



#14
1,2-Dichlorobenzene
Concen: 20.02 ng
RT: 8.011 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:146 Resp: 168795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.2 | 51.0 | 76.4 |
| 111 | 43.9 | 35.2 | 52.8 |

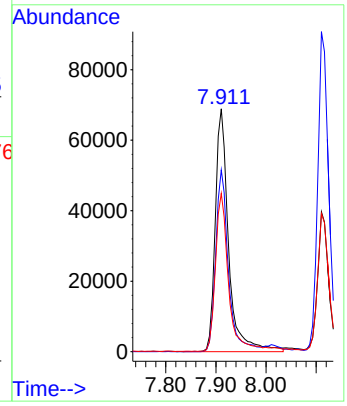





#15
Benzyl Alcohol
Concen: 19.89 ng
RT: 7.911 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 79 Resp: 12707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 74.8 | 60.8 | 91.2 |
| 77 | 65.1 | 51.9 | 77.9 |




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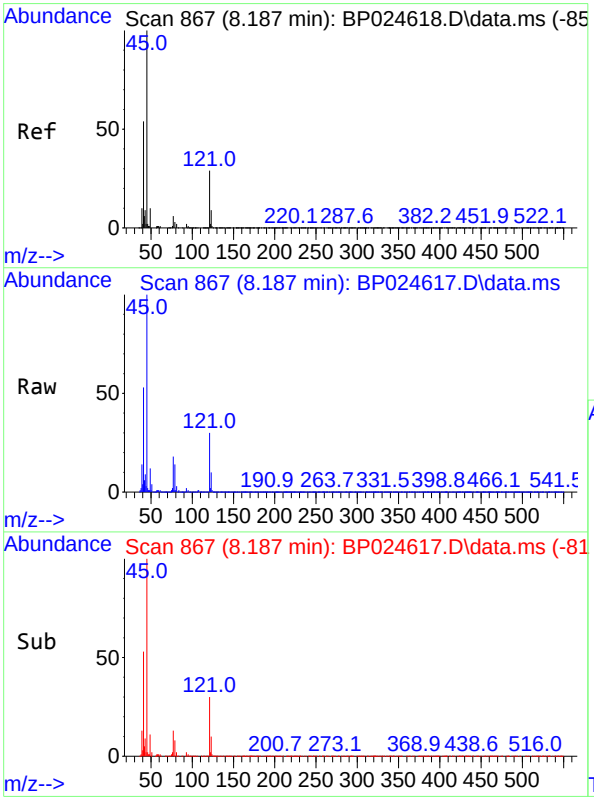
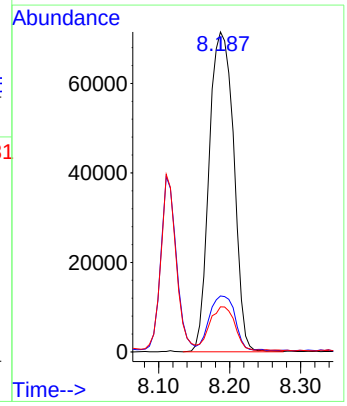
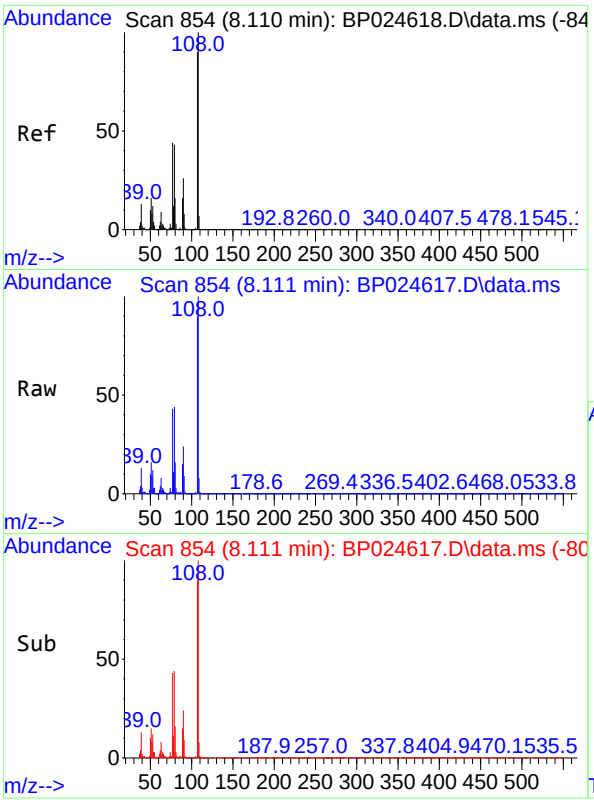



#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.06 ng
RT: 8.187 min Scan# 867
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 45 Resp: 171274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 17.5 | 0.0 | 37.7 |
| 79 | 14.1 | 0.0 | 34.0 |

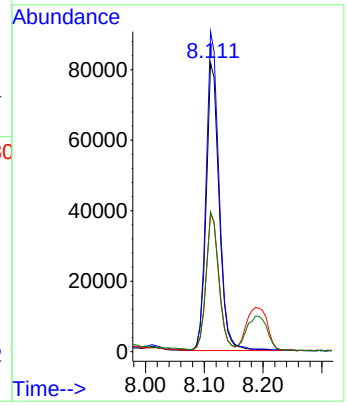





#17
2-Methylphenol
Concen: 20.01 ng
RT: 8.111 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:107 Resp: 12450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 110.8 | 88.9 | 133.3 |
| 77 | 47.9 | 39.0 | 58.6 |
| 79 | 48.4 | 38.4 | 57.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

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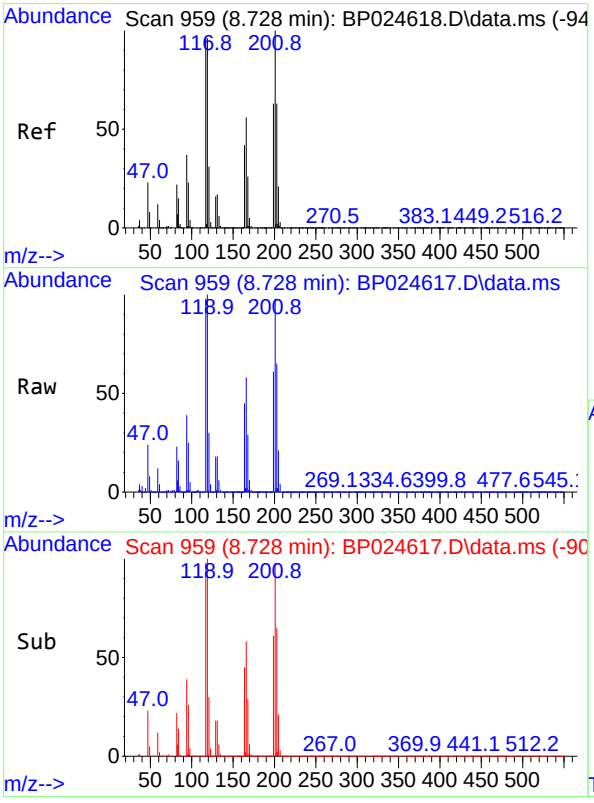
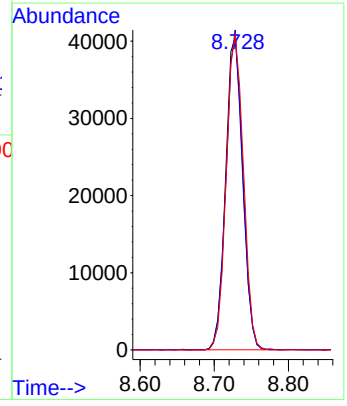
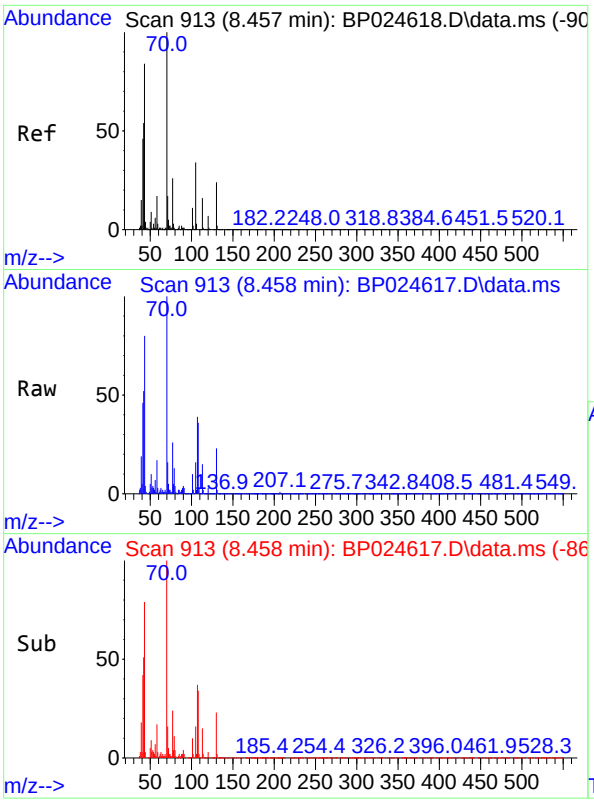



#18
Hexachloroethane
Concen: 19.76 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:117 Resp: 65527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 102.4 | 79.4 | 119.0 |
| 201 | 100.8 | 82.7 | 124.1 |

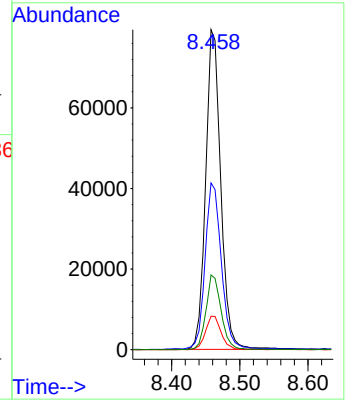





#19
n-Nitroso-di-n-propylamine
Concen: 21.05 ng
RT: 8.458 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 70 Resp: 12238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 52.1 | 43.0 | 64.6 |
| 101 | 10.5 | 8.7 | 13.1 |
| 130 | 23.4 | 19.4 | 29.0 |




**Instrument :**
BNA_P
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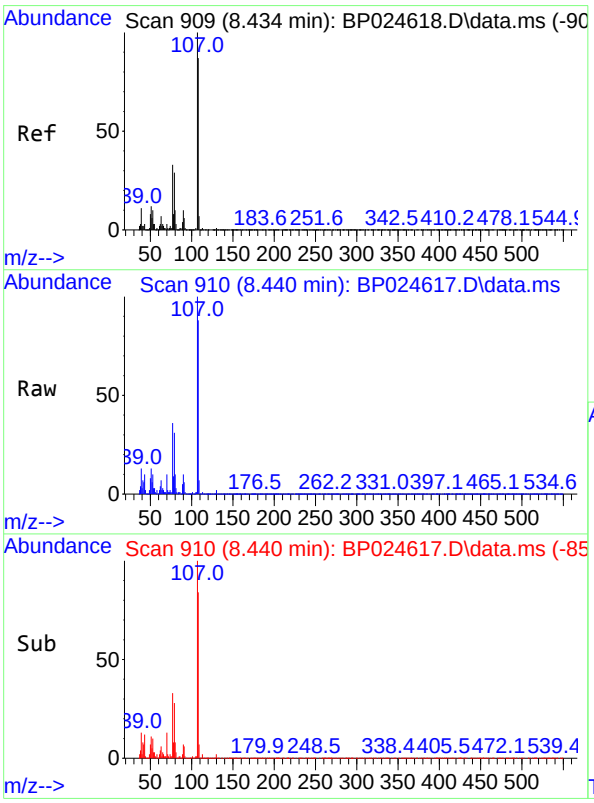
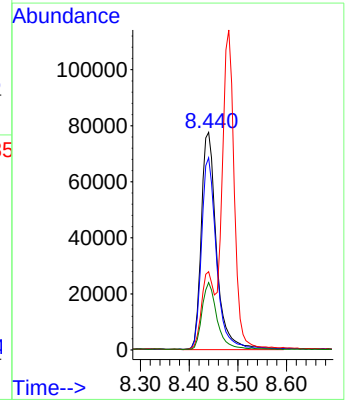
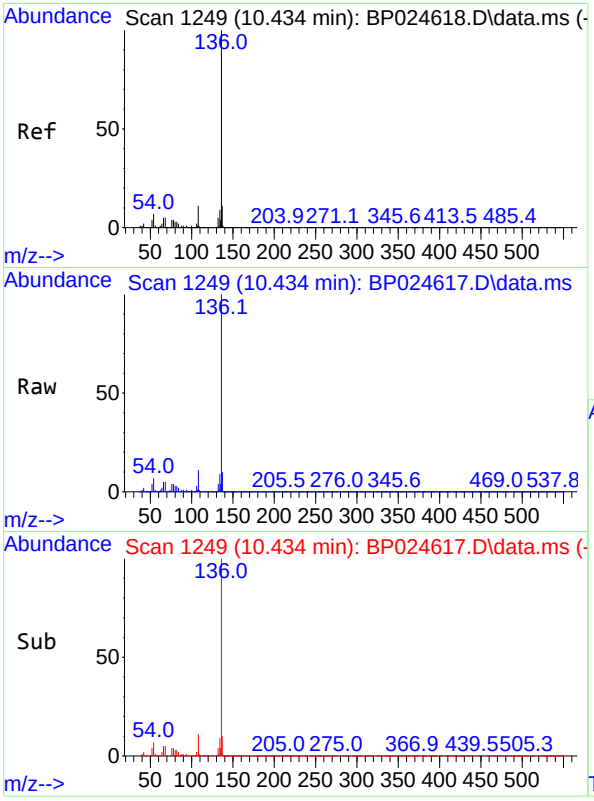



#20
3+4-Methylphenols
Concen: 20.00 ng
RT: 8.440 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:107 Resp: 169264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.3 | 66.7 | 106.7 |
| 77 | 35.9 | 13.1 | 53.1 |
| 79 | 30.9 | 8.9 | 48.9 |

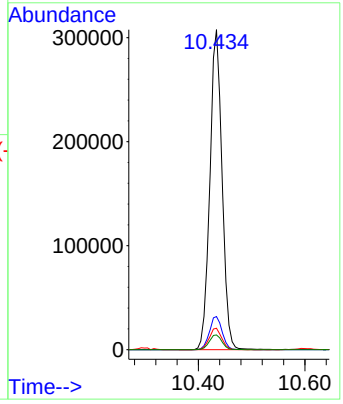





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:136 Resp: 48872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.3 | 8.8 | 13.2 |
| 54 | 6.7 | 5.5 | 8.3 |
| 68 | 4.6 | 4.2 | 6.2 |

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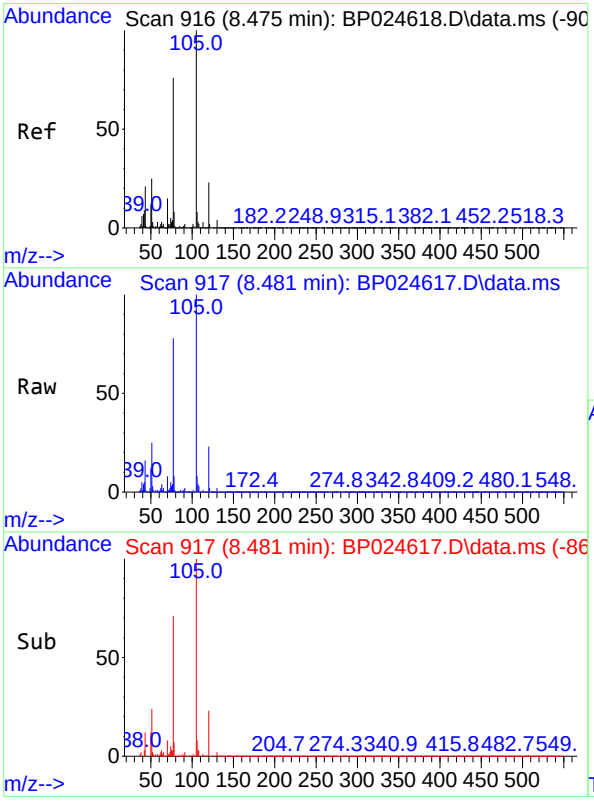
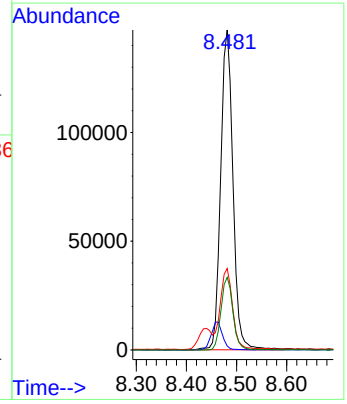
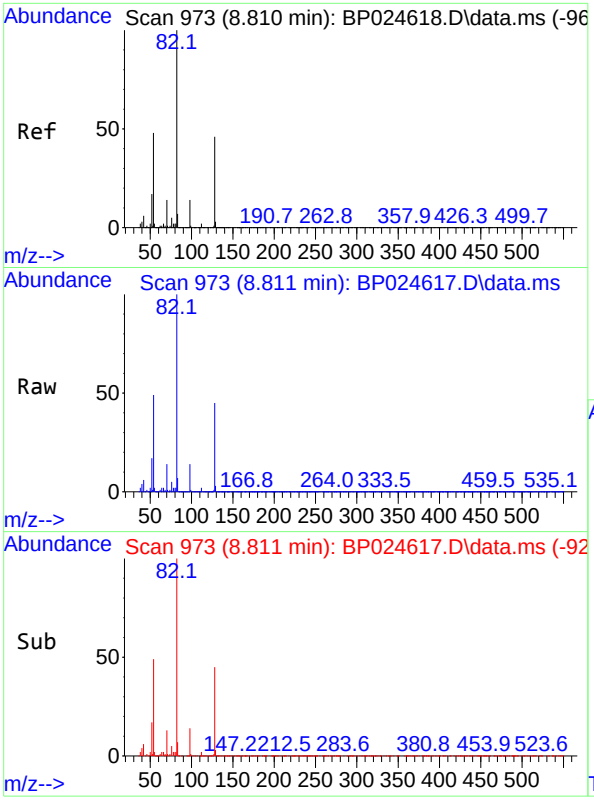



#22
Acetophenone
Concen: 20.45 ng
RT: 8.481 min Scan# 917
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:105 Resp: 249692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 1.2 | 2.0 | 3.0# |
| 51 | 25.5 | 20.4 | 30.6 |
| 120 | 22.7 | 18.1 | 27.1 |

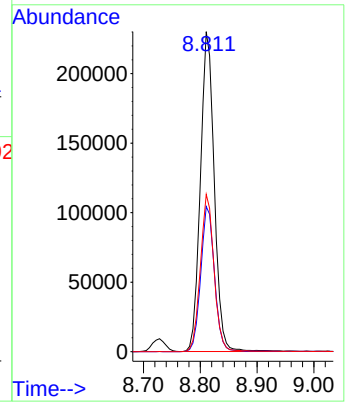





#23
Nitrobenzene-d5
Concen: 40.50 ng
RT: 8.811 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 82 Resp: 39173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.4 | 37.0 | 55.4 |
| 54 | 49.1 | 38.7 | 58.1 |

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BNA_P
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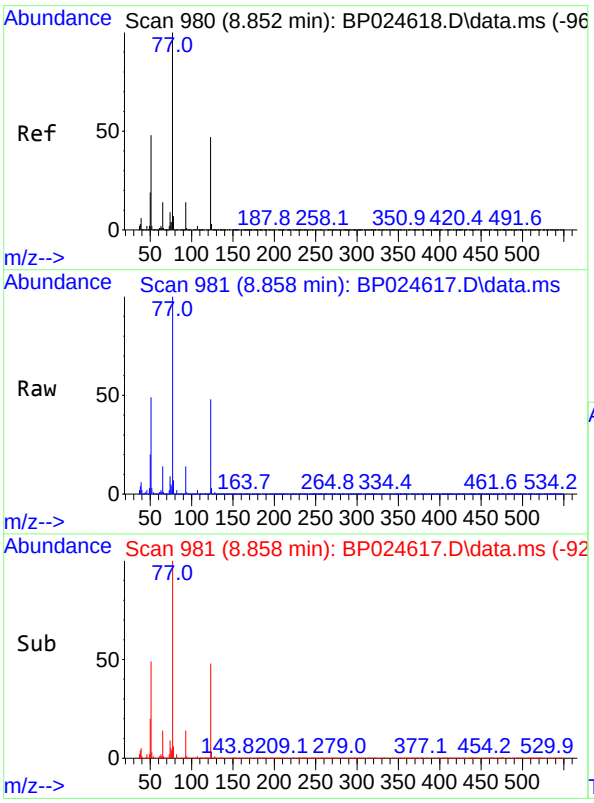
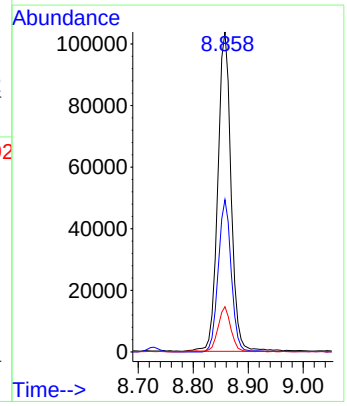
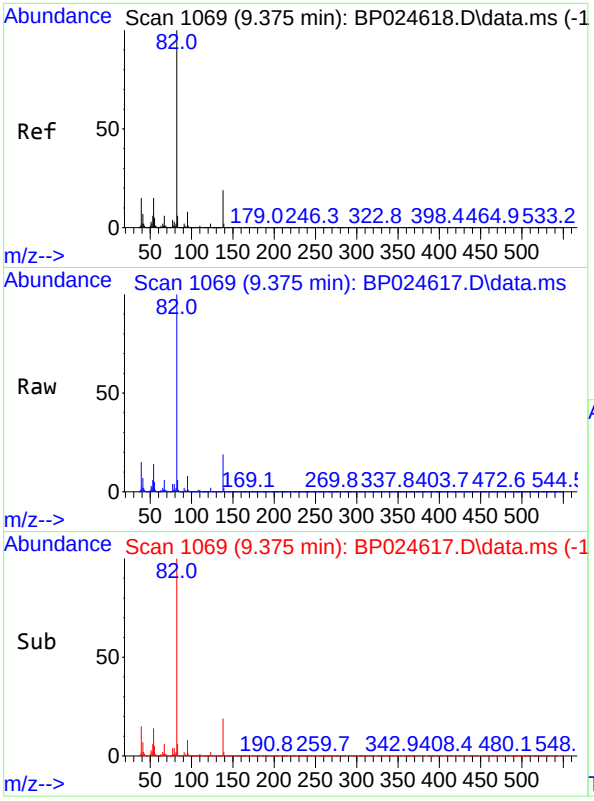



#24
Nitrobenzene
Concen: 20.40 ng
RT: 8.858 min Scan# 981
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 77 Resp: 173686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.6 | 37.4 | 56.0 |
| 65 | 14.1 | 11.3 | 16.9 |

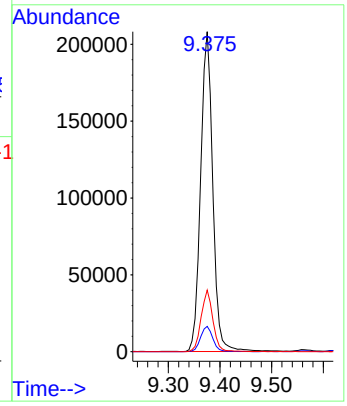





#25
Isophorone
Concen: 20.25 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 82 Resp: 33969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.9 | 6.3 | 9.5 |
| 138 | 19.3 | 15.3 | 22.9 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

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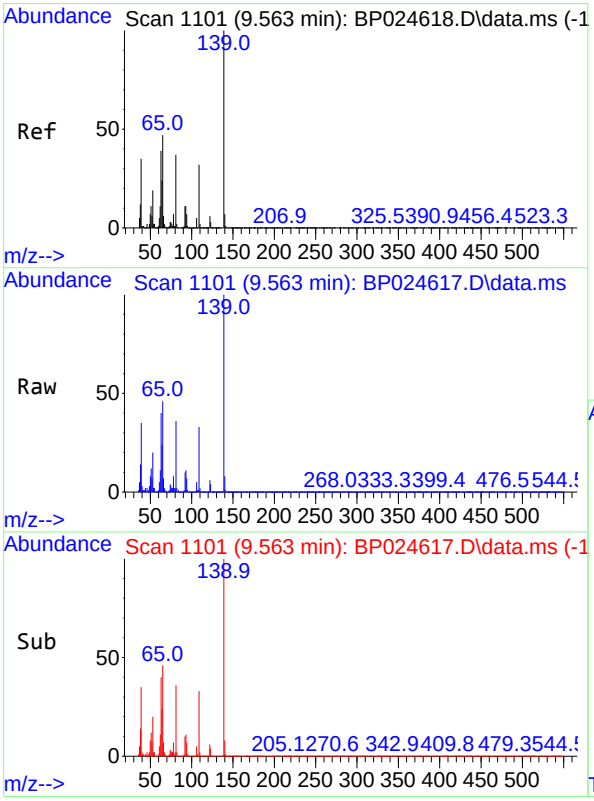
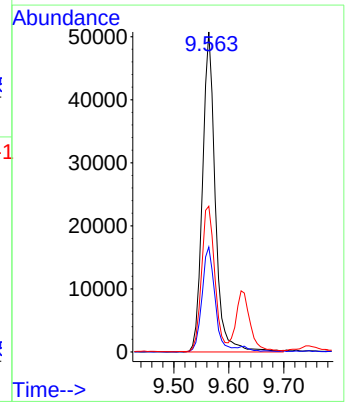
Supervised By :Jagrut Upadhyay 05/14/2025

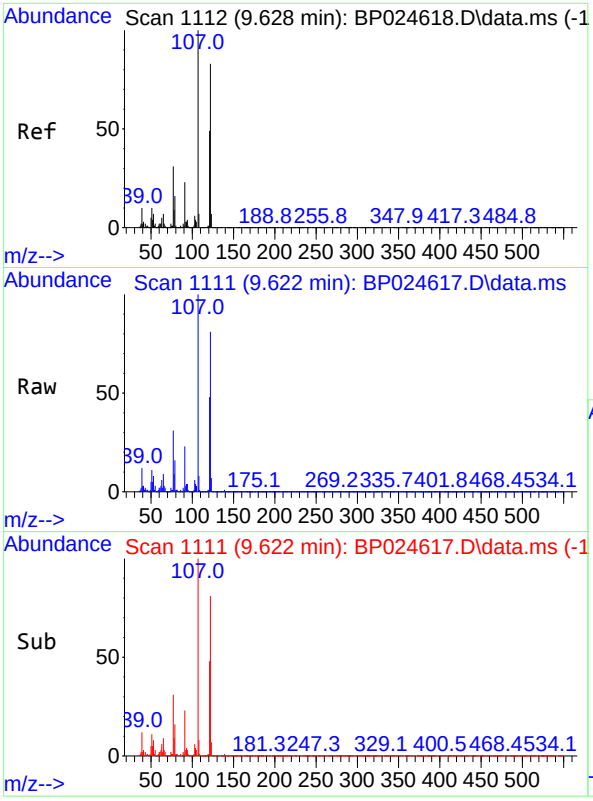



#26
2-Nitrophenol
Concen: 19.73 ng
RT: 9.563 min Scan# 1101
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:139 Resp: 82278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.8 | 25.9 | 38.9 |
| 65 | 45.6 | 37.9 | 56.9 |

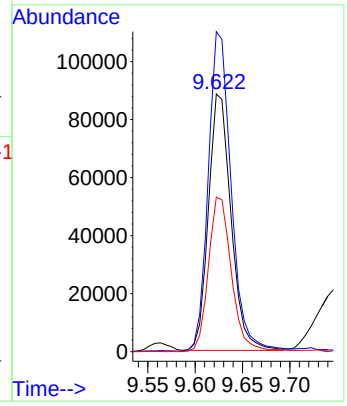





#27
2,4-Dimethylphenol
Concen: 19.96 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:122 Resp: 14681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 124.1 | 96.2 | 144.2 |
| 121 | 60.0 | 47.6 | 71.4 |




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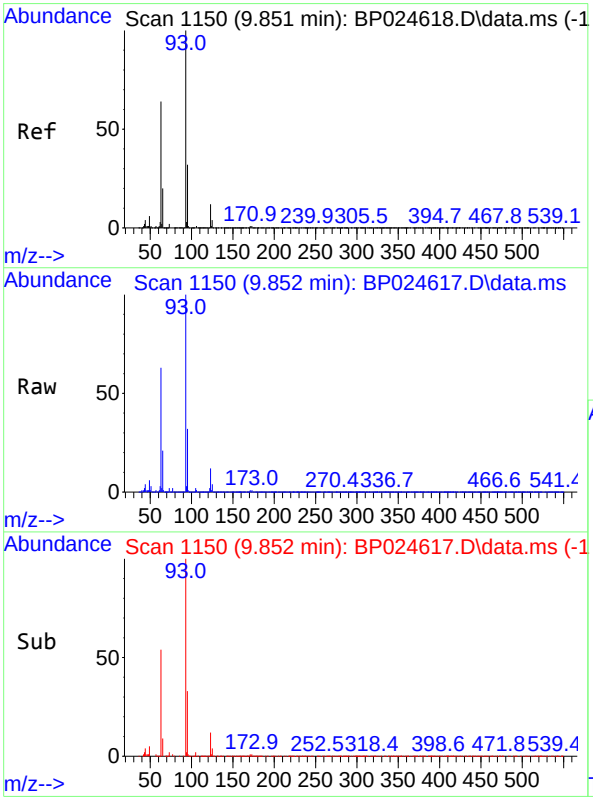
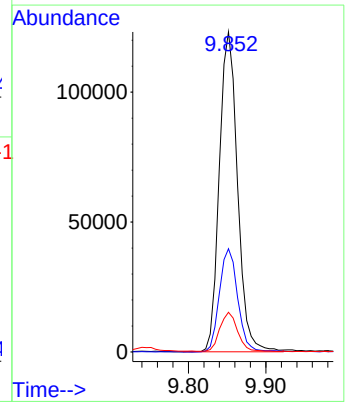
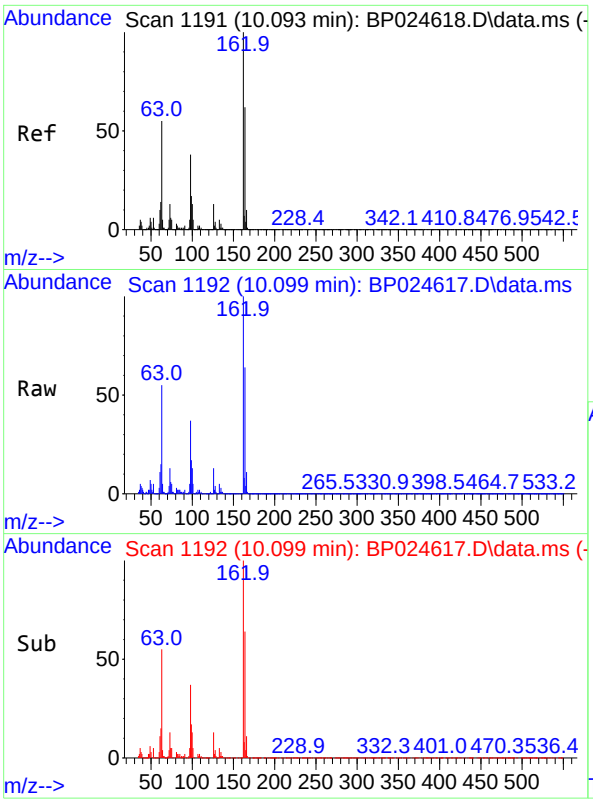



#28
bis(2-Chloroethoxy)methane
Concen: 20.04 ng
RT: 9.852 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 93 Resp: 200872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.3 | 25.5 | 38.3 |
| 123 | 12.4 | 9.7 | 14.5 |






#29
2,4-Dichlorophenol
Concen: 19.90 ng
RT: 10.099 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:162 Resp: 14178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.0 | 42.3 | 82.3 |
| 98 | 36.8 | 18.4 | 58.4 |

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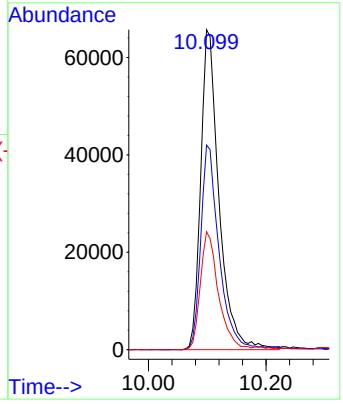
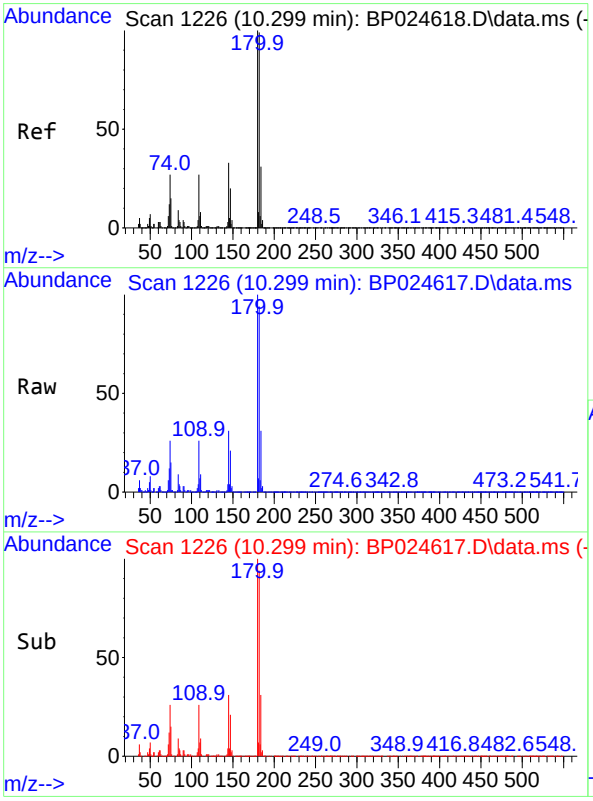
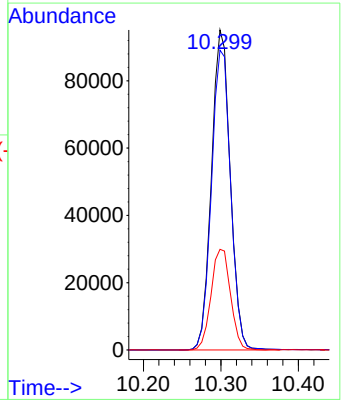


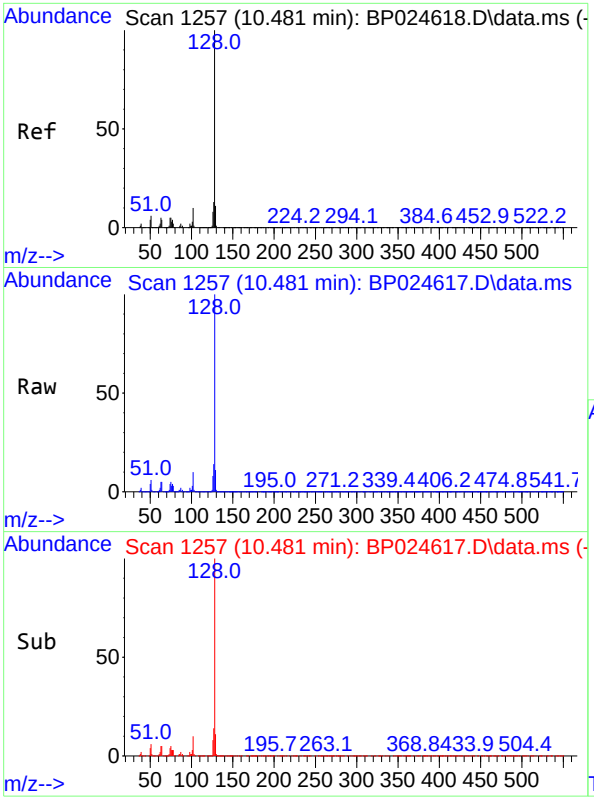




#30
1,2,4-Trichlorobenzene
Concen: 19.92 ng
RT: 10.299 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:180 Resp: 159998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.7 | 79.0 | 118.4 |
| 145 | 31.5 | 26.6 | 39.8 |

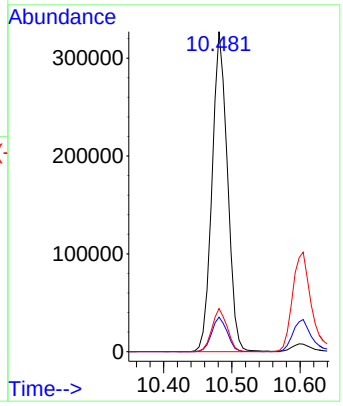





#31
Naphthalene
Concen: 20.25 ng
RT: 10.481 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:128 Resp: 51288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.8 | 13.2 |
| 127 | 13.5 | 10.7 | 16.1 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

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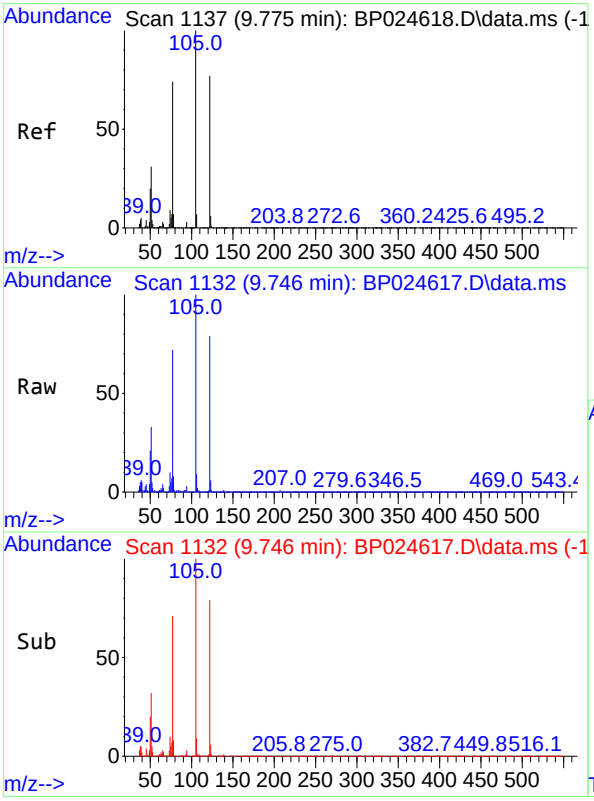
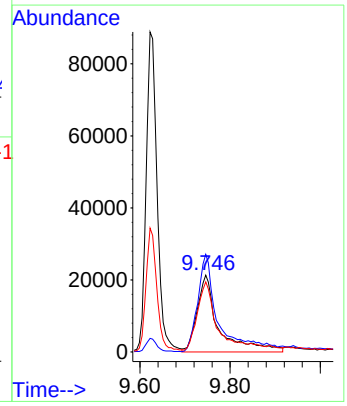
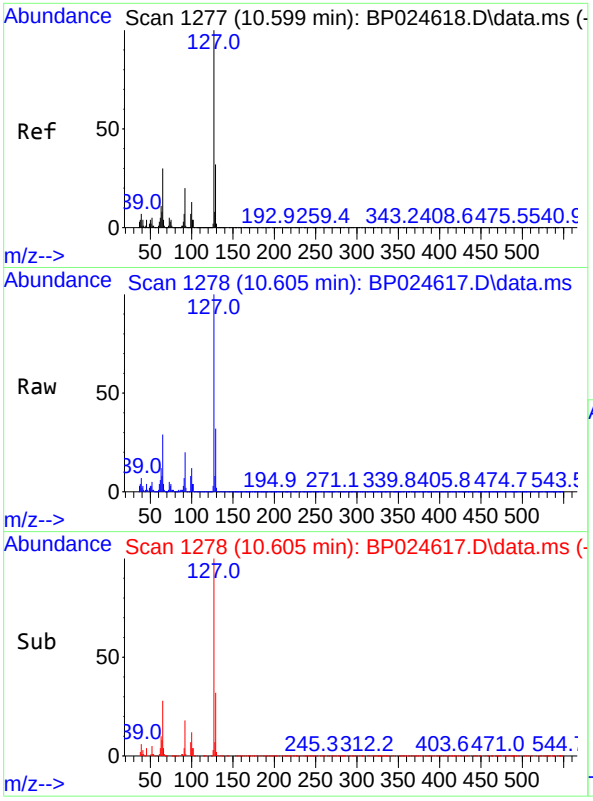



#32
Benzoic acid
Concen: 18.73 ng m
RT: 9.746 min Scan# 1132
Delta R.T. -0.029 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:122 Resp: 71538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 127.1 | 106.9 | 146.9 |
| 77 | 91.3 | 75.1 | 115.1 |

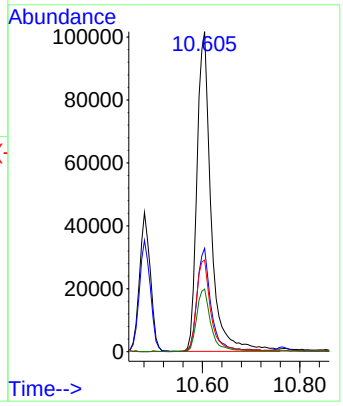





#33
4-Chloroaniline
Concen: 20.10 ng
RT: 10.605 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:127 Resp: 20543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.3 | 25.8 | 38.6 |
| 65 | 28.6 | 23.9 | 35.9 |
| 92 | 19.6 | 16.1 | 24.1 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

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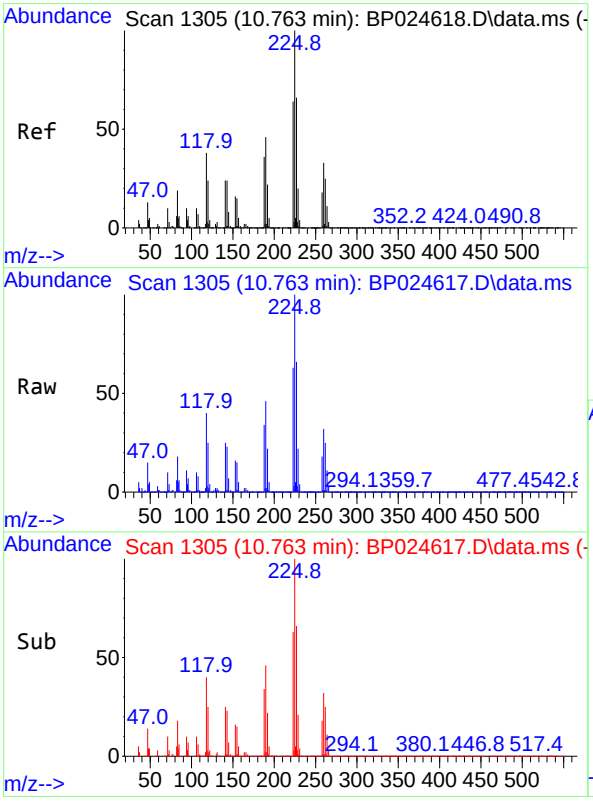
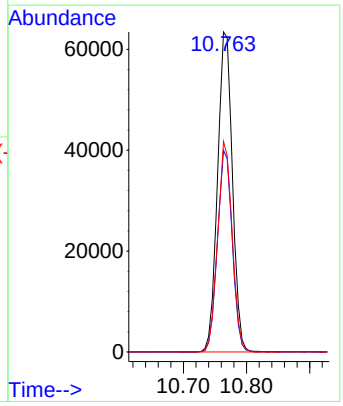
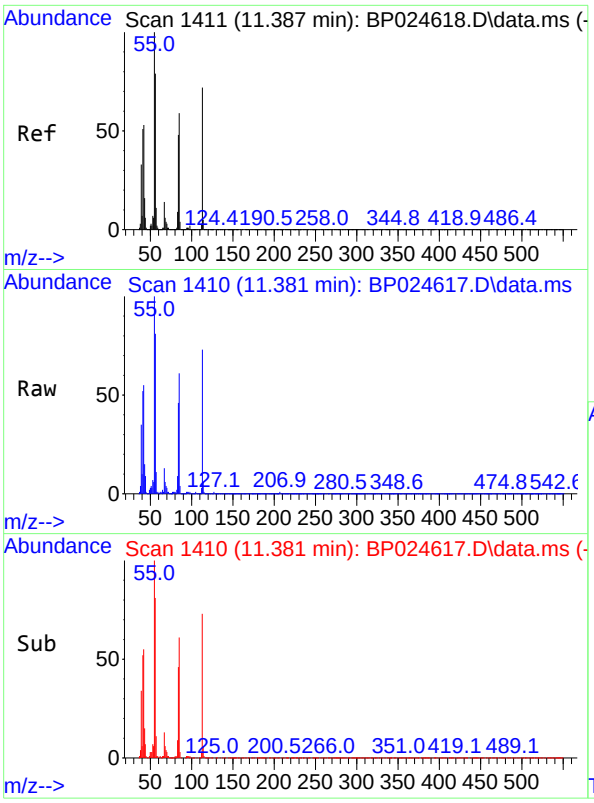



#34
Hexachlorobutadiene
Concen: 19.87 ng
RT: 10.763 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:225 Resp: 103364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.0 | 51.0 | 76.6 |
| 227 | 65.8 | 53.1 | 79.7 |

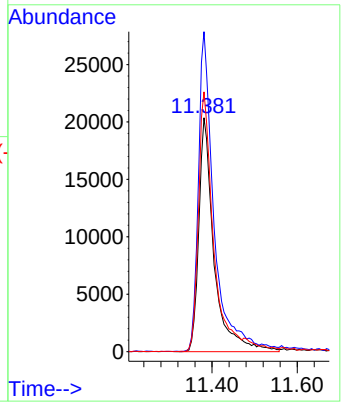





#35
Caprolactam
Concen: 19.68 ng
RT: 11.381 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:113 Resp: 5072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 136.8 | 119.0 | 159.0 |
| 56 | 111.1 | 90.3 | 130.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

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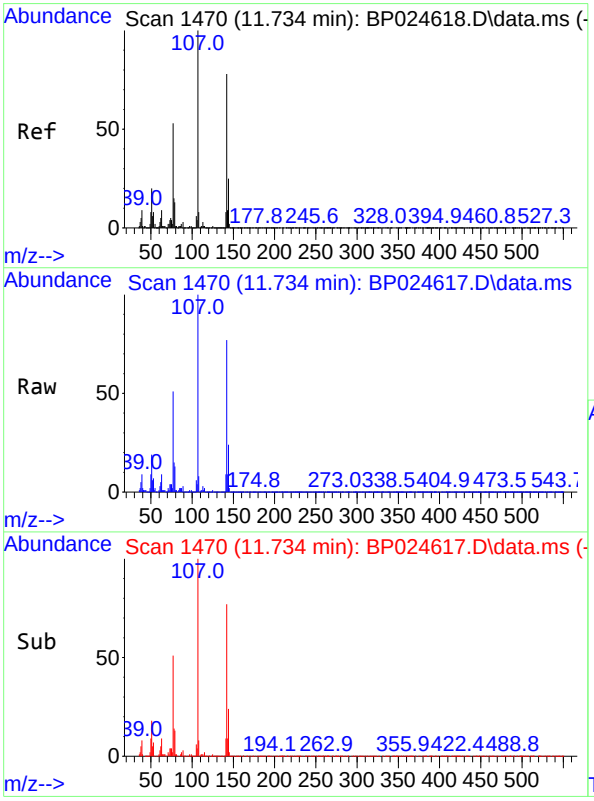
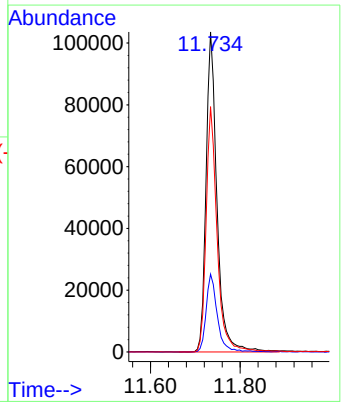
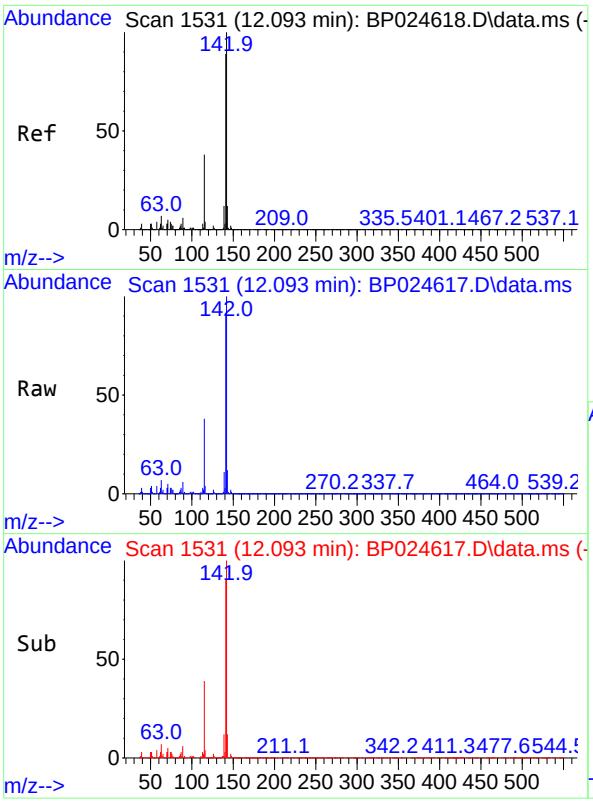



#36
4-Chloro-3-methylphenol
Concen: 20.12 ng
RT: 11.734 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:107 Resp: 174840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.3 | 20.1 | 30.1 |
| 142 | 76.6 | 62.1 | 93.1 |

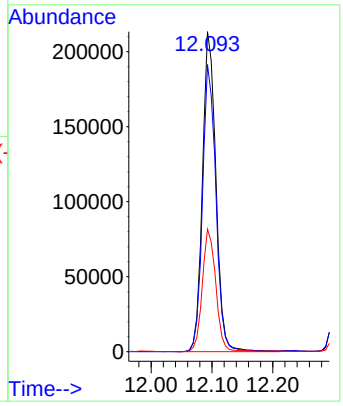





#37
2-Methylnaphthalene
Concen: 19.97 ng
RT: 12.093 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:142 Resp: 32744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.7 | 71.2 | 106.8 |
| 115 | 38.3 | 30.6 | 46.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

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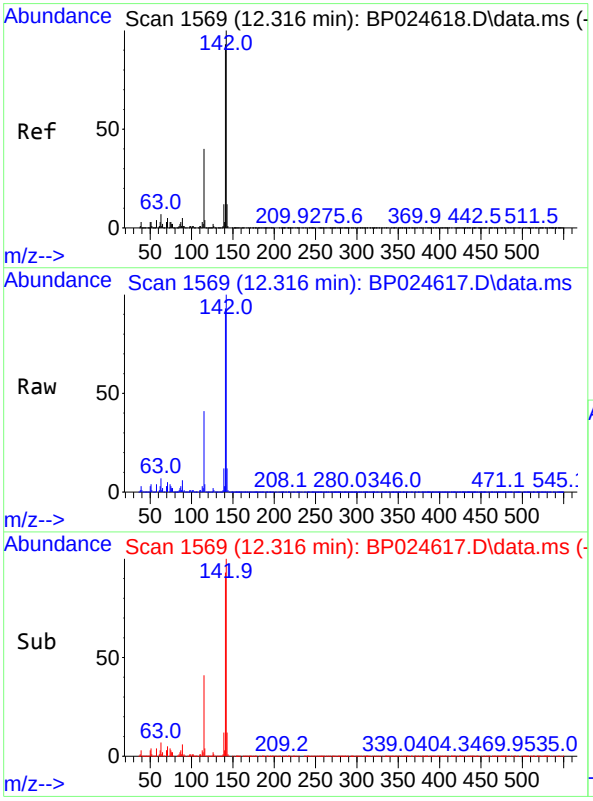
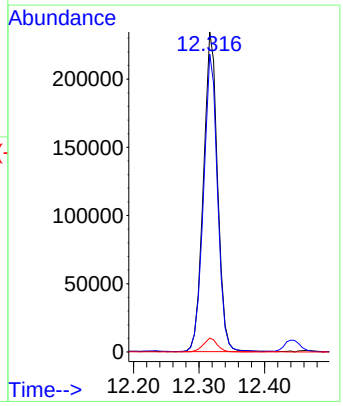
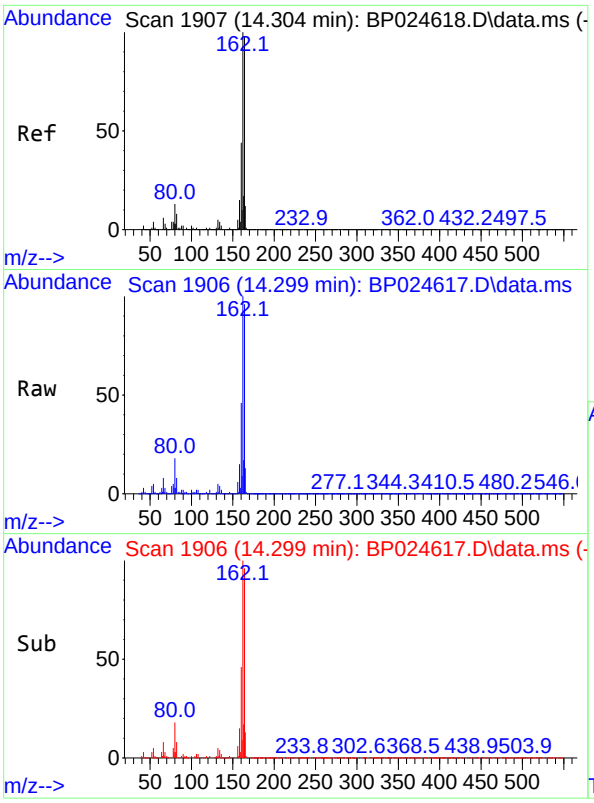



#38
1-Methylnaphthalene
Concen: 20.07 ng
RT: 12.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:142 Resp: 352091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.1 | 74.7 | 112.1 |
| 116 | 4.4 | 3.4 | 5.2 |

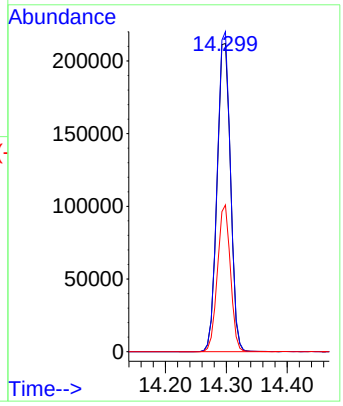





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.299 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:164 Resp: 32392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.8 | 81.8 | 122.6 |
| 160 | 47.6 | 36.3 | 54.5 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

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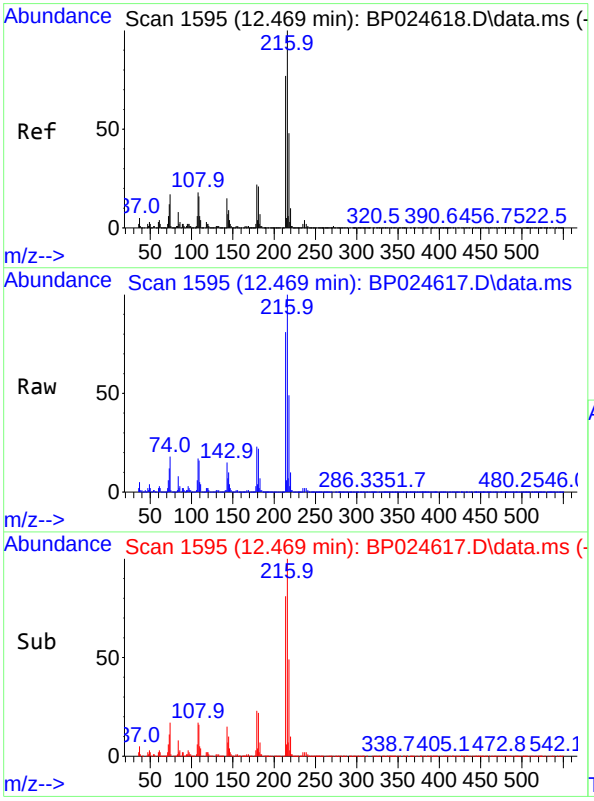
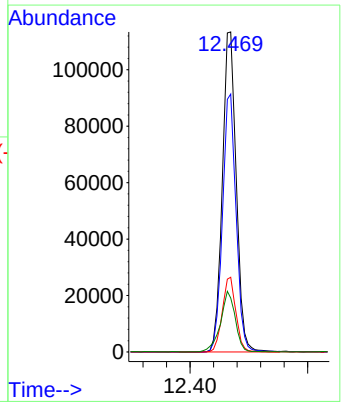
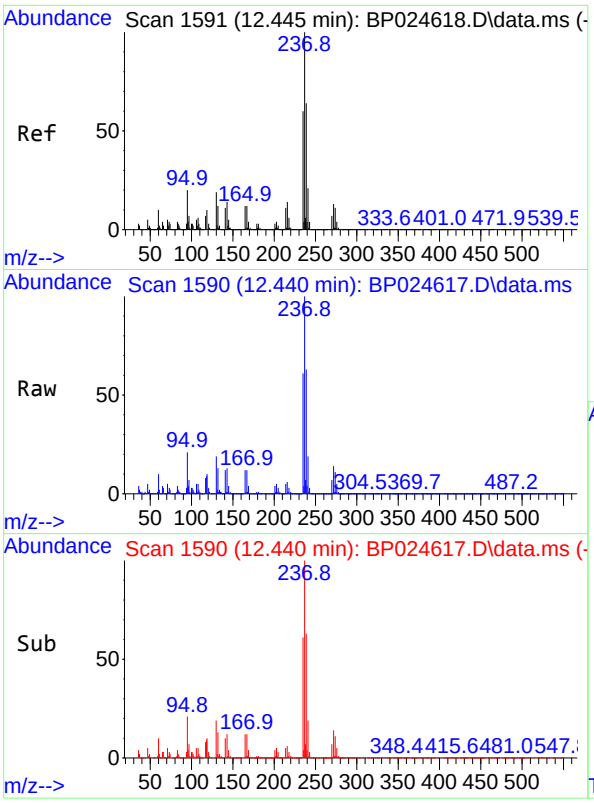



#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.77 ng
RT: 12.469 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:216 Resp: 185982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.1 | 62.3 | 93.5 |
| 179 | 22.9 | 17.7 | 26.5 |
| 108 | 20.2 | 16.0 | 24.0 |

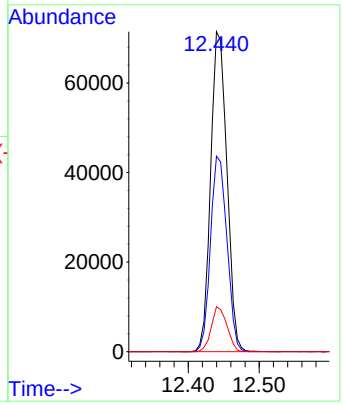





#41
Hexachlorocyclopentadiene
Concen: 19.90 ng
RT: 12.440 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:237 Resp: 11349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.1 | 39.9 | 79.9 |
| 272 | 14.0 | 0.0 | 33.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

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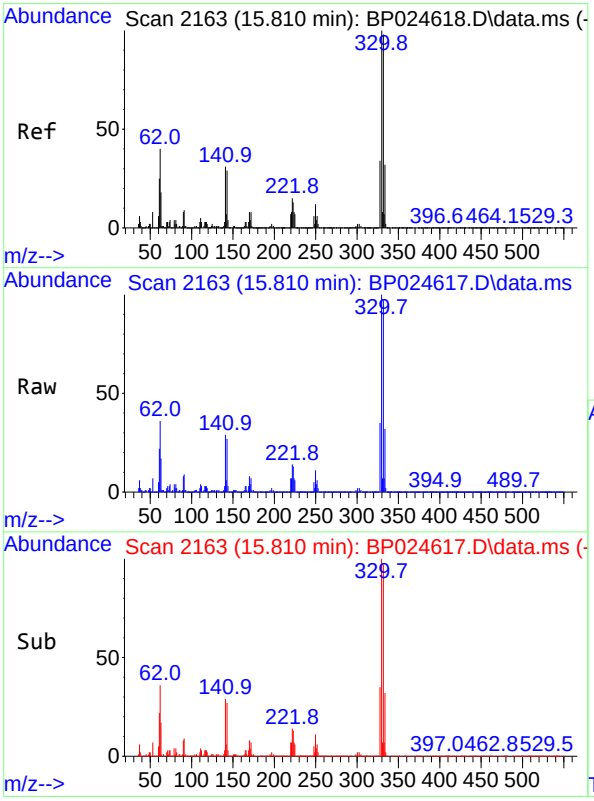
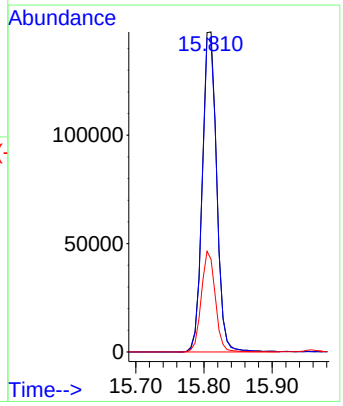
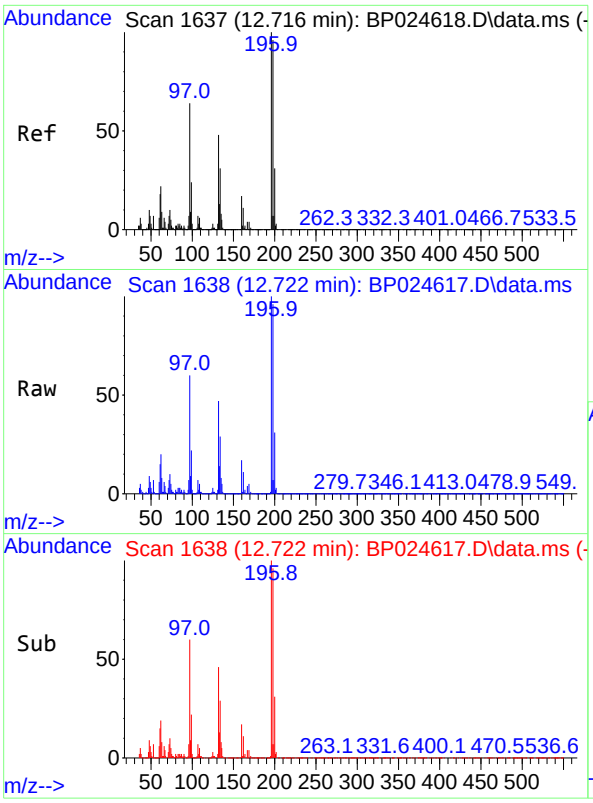



#42
2,4,6-Tribromophenol
Concen: 39.53 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:330 Resp: 217092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.8 | 78.2 | 117.4 |
| 141 | 30.5 | 24.3 | 36.5 |

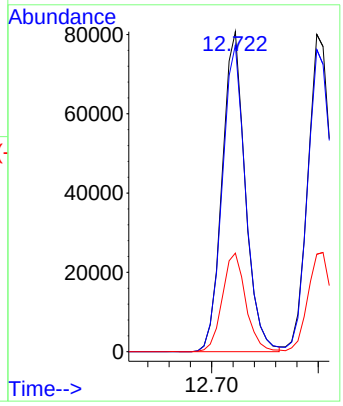





#43
2,4,6-Trichlorophenol
Concen: 19.95 ng
RT: 12.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:196 Resp: 12152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.8 | 76.9 | 115.3 |
| 200 | 30.8 | 25.2 | 37.8 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

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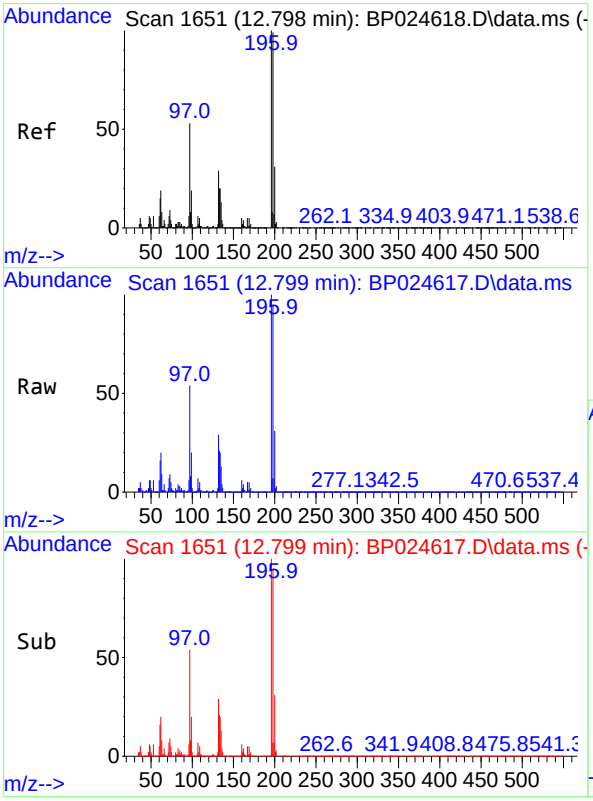
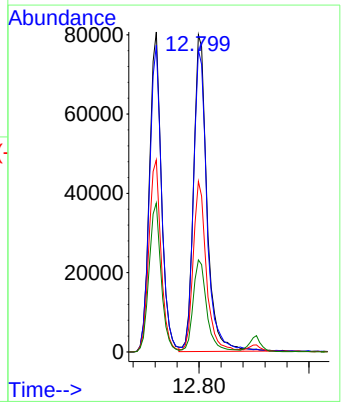
Supervised By :Jagrut Upadhyay 05/14/2025

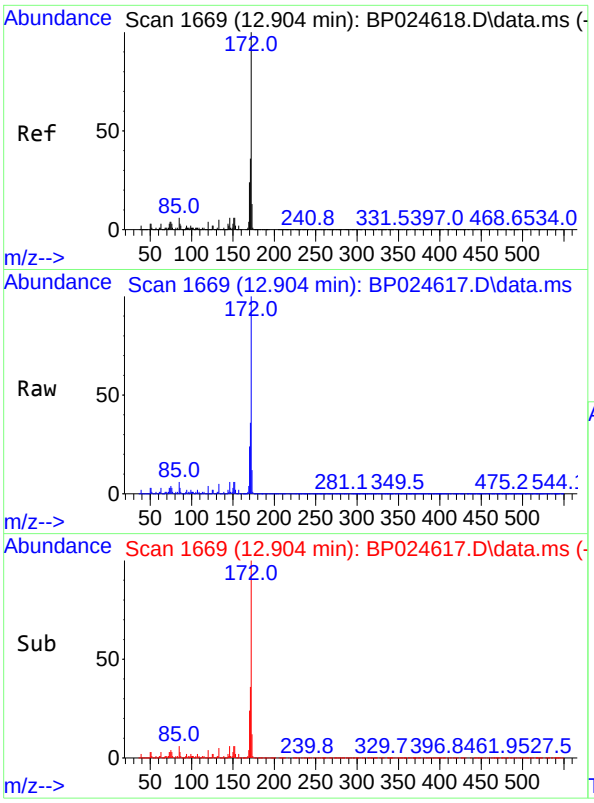



#44
2,4,5-Trichlorophenol
Concen: 19.95 ng
RT: 12.799 min Scan# 1651
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:196 Resp: 135306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.2 | 79.2 | 118.8 |
| 97 | 53.8 | 42.3 | 63.5 |
| 132 | 29.0 | 23.3 | 34.9 |

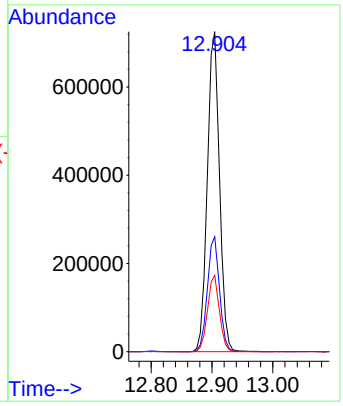





#45
2-Fluorobiphenyl
Concen: 40.69 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:172 Resp: 100615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.9 | 28.8 | 43.2 |
| 170 | 23.8 | 18.8 | 28.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

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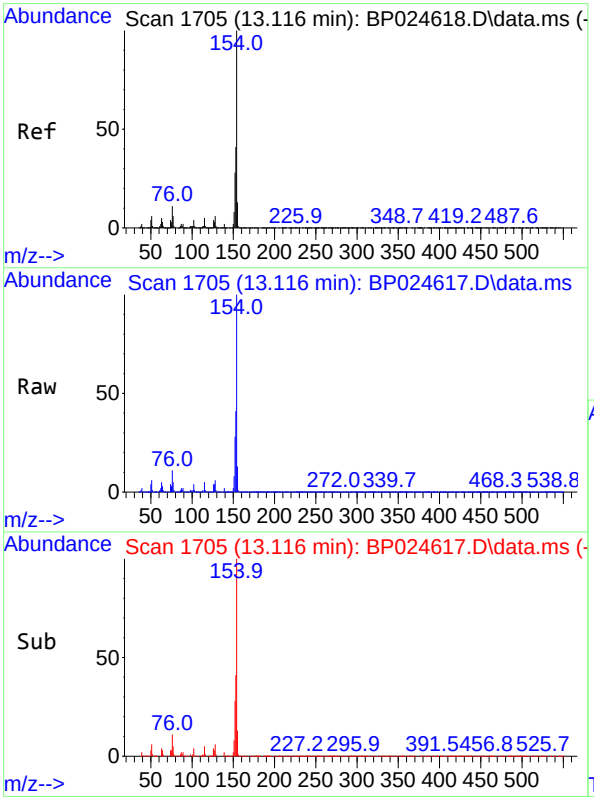
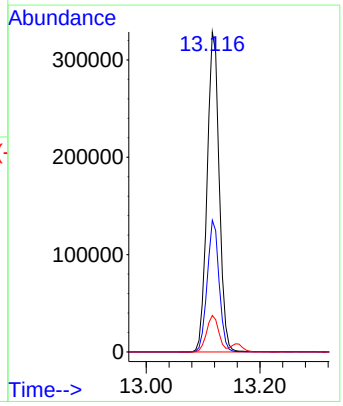
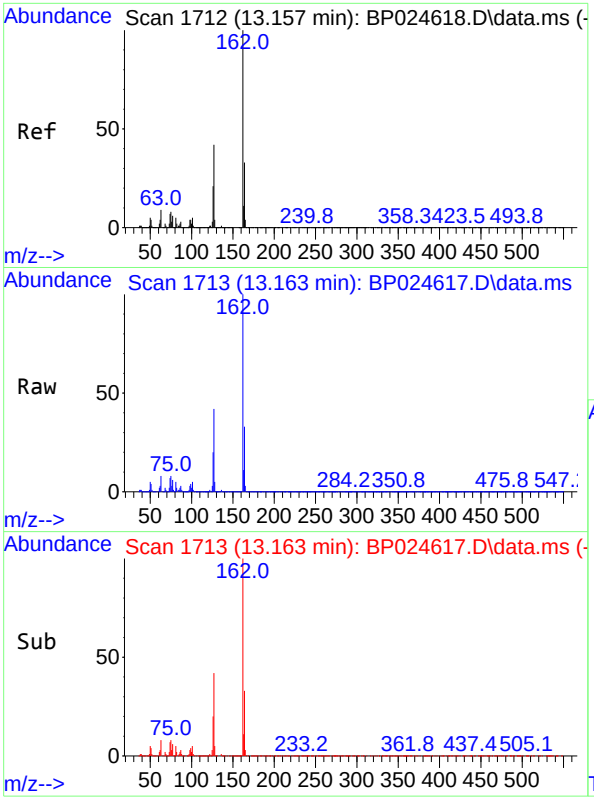



#46
1,1'-Biphenyl
Concen: 20.19 ng
RT: 13.116 min Scan# 1705
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:154 Resp: 483352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.2 | 21.0 | 61.0 |
| 76 | 11.4 | 0.0 | 31.5 |

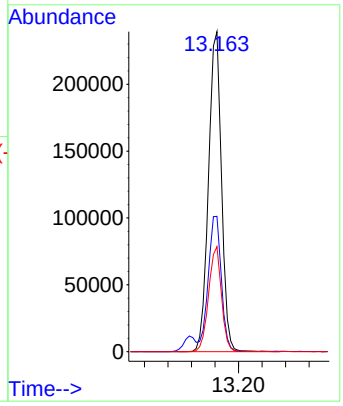





#47
2-Chloronaphthalene
Concen: 20.06 ng
RT: 13.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:162 Resp: 36624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.3 | 33.8 | 50.6 |
| 164 | 32.8 | 26.0 | 39.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

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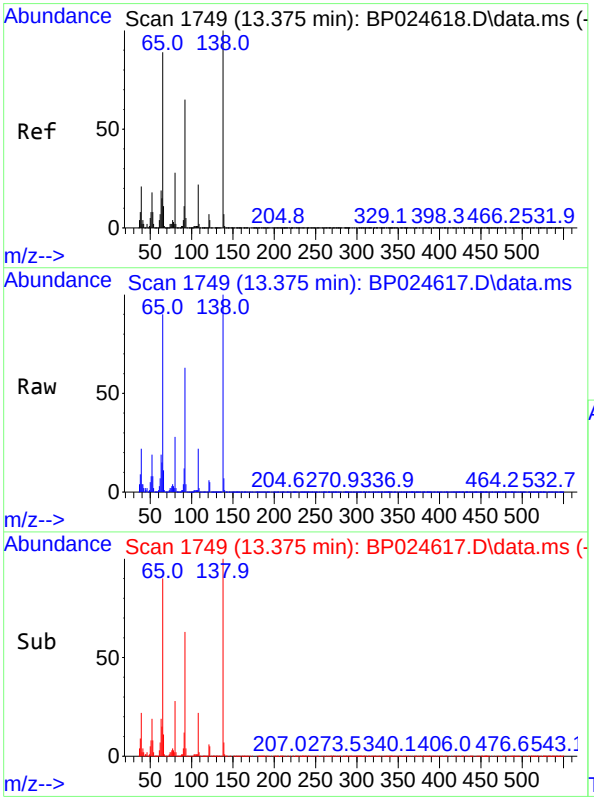
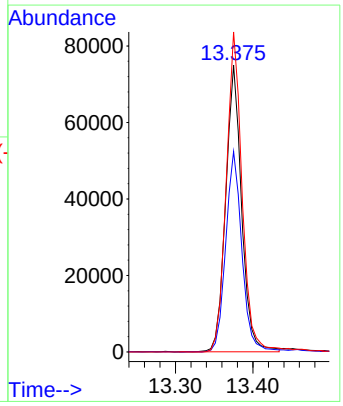
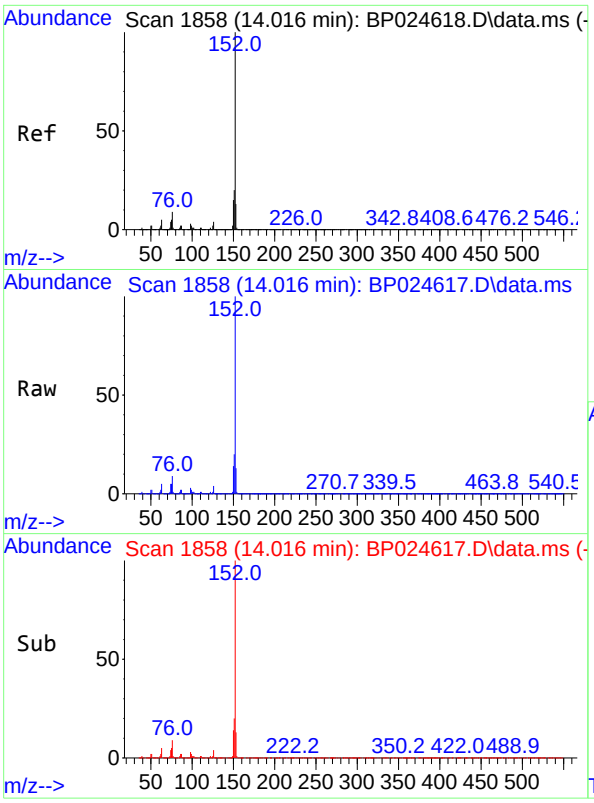



#48
2-Nitroaniline
Concen: 19.81 ng
RT: 13.375 min Scan# 1749
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 65 Resp: 107062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 69.8 | 58.7 | 88.1 |
| 138 | 111.5 | 90.2 | 135.2 |

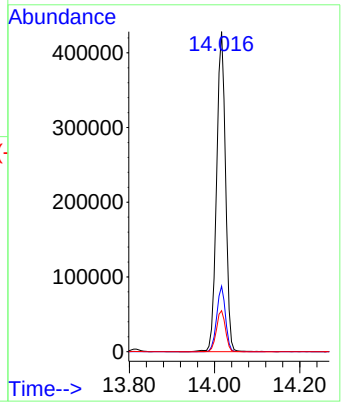





#49
Acenaphthylene
Concen: 20.36 ng
RT: 14.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:152 Resp: 62199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.5 | 16.2 | 24.4 |
| 153 | 12.8 | 10.2 | 15.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

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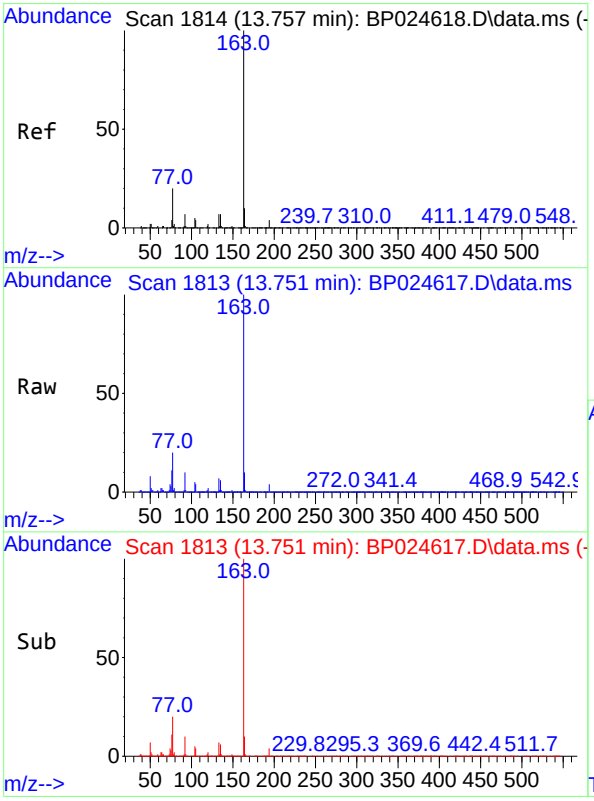
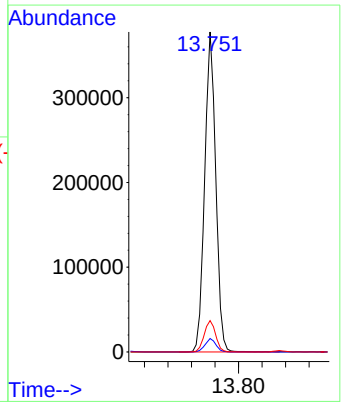
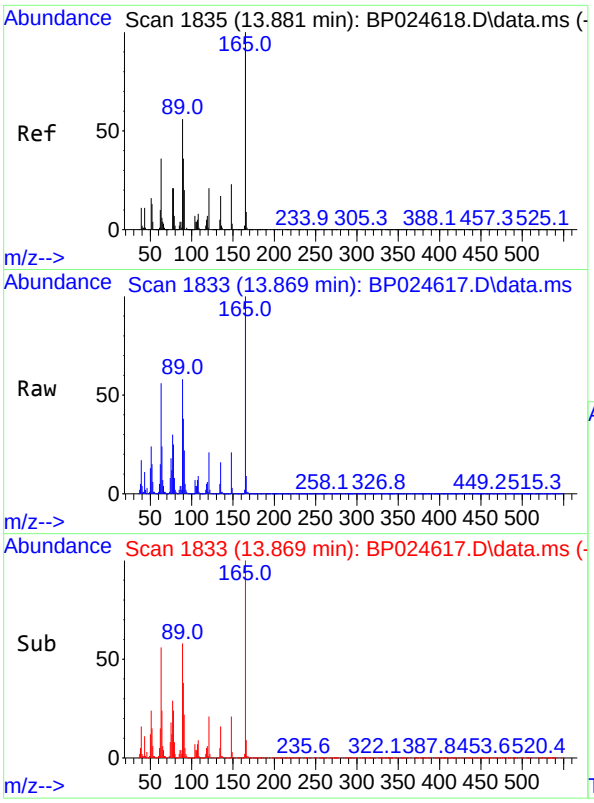



#50
Dimethylphthalate
Concen: 19.91 ng
RT: 13.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:163 Resp: 491623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.4 | 5.0 |
| 164 | 9.8 | 8.1 | 12.1 |

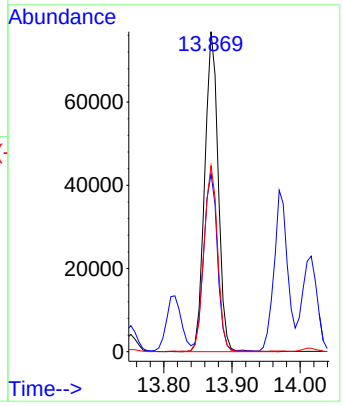





#51
2,6-Dinitrotoluene
Concen: 20.23 ng
RT: 13.869 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:165 Resp: 10547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 55.6 | 42.4 | 63.6 |
| 89 | 58.1 | 44.8 | 67.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

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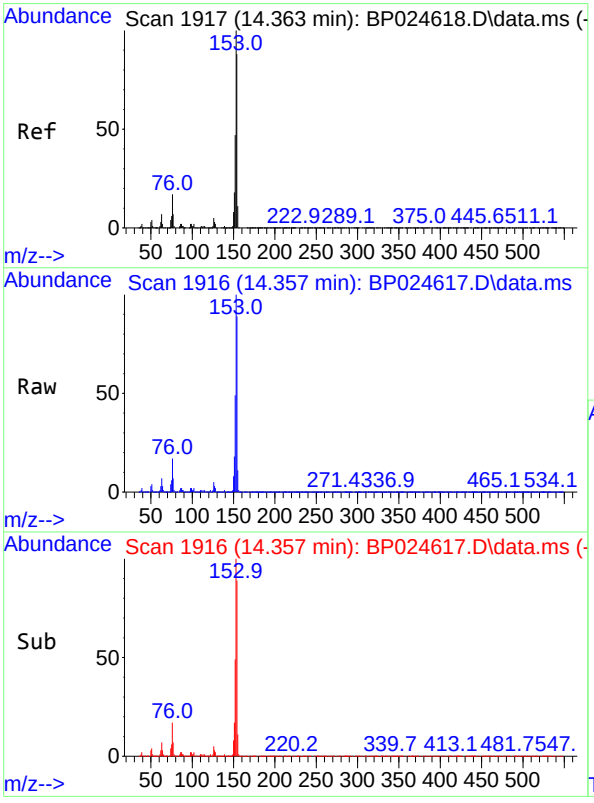
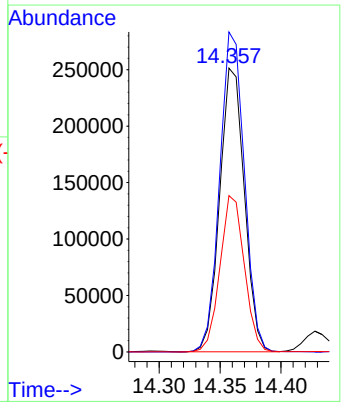
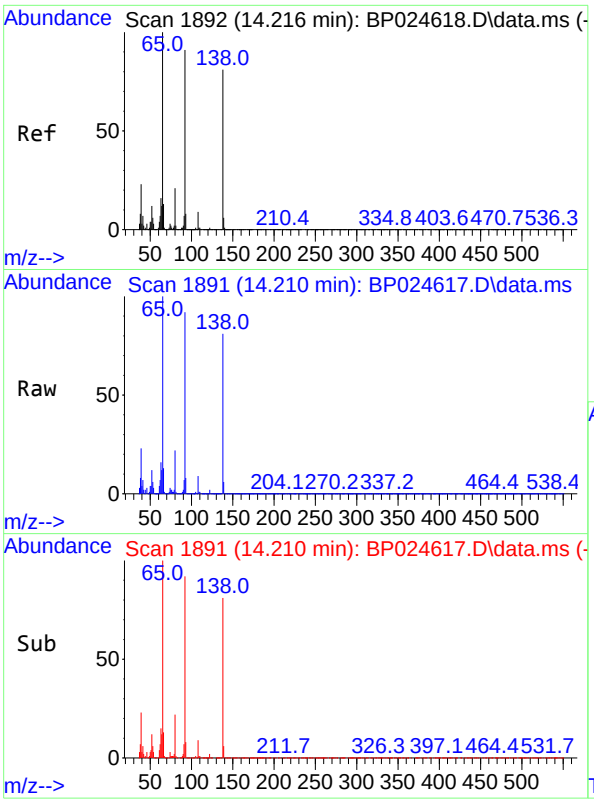



#52
Acenaphthene
Concen: 20.19 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:154 Resp: 354519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.7 | 91.0 | 136.4 |
| 152 | 55.1 | 42.9 | 64.3 |

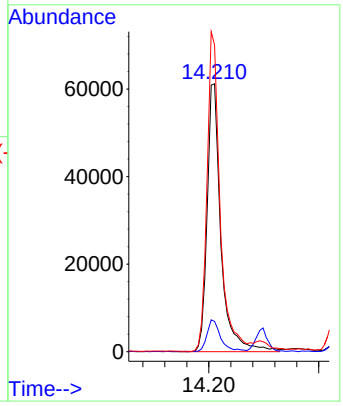





#53
3-Nitroaniline
Concen: 20.01 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:138 Resp: 10652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.3 | 9.0 | 13.4 |
| 92 | 114.5 | 90.1 | 135.1 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

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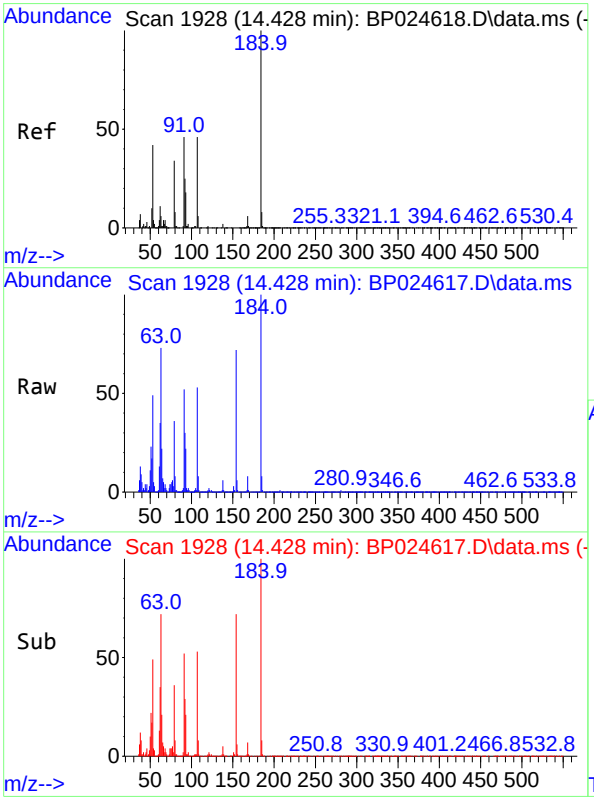
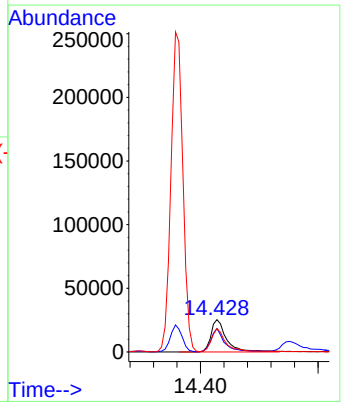
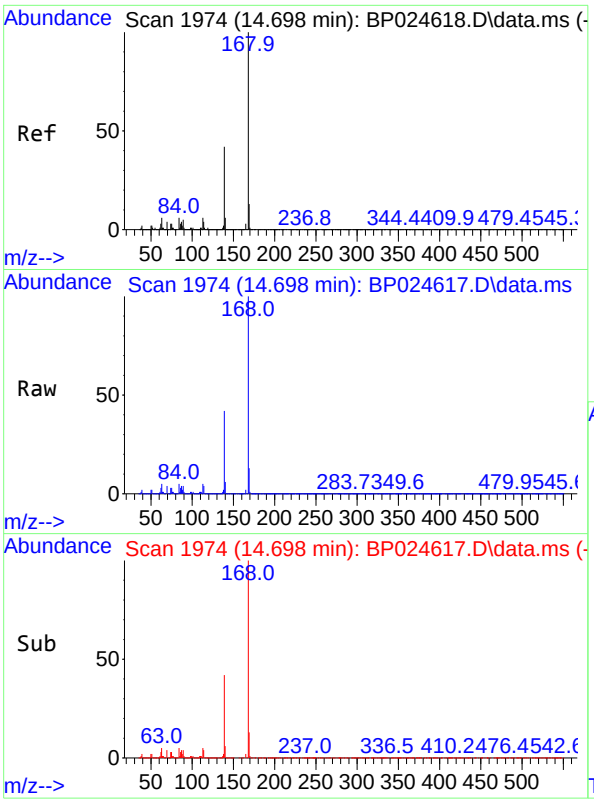



#54
2,4-Dinitrophenol
Concen: 19.37 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:184 Resp: 46351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 72.5 | 51.3 | 76.9 |
| 154 | 72.4 | 53.5 | 80.3 |

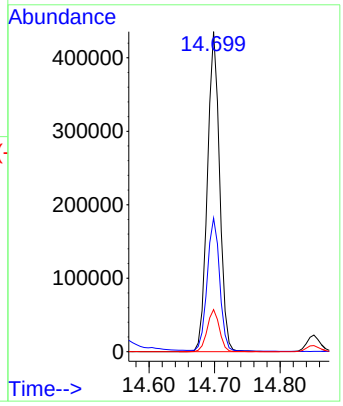





#55
Dibenzofuran
Concen: 20.12 ng
RT: 14.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:168 Resp: 56371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.8 | 34.2 | 51.4 |
| 169 | 13.1 | 10.8 | 16.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

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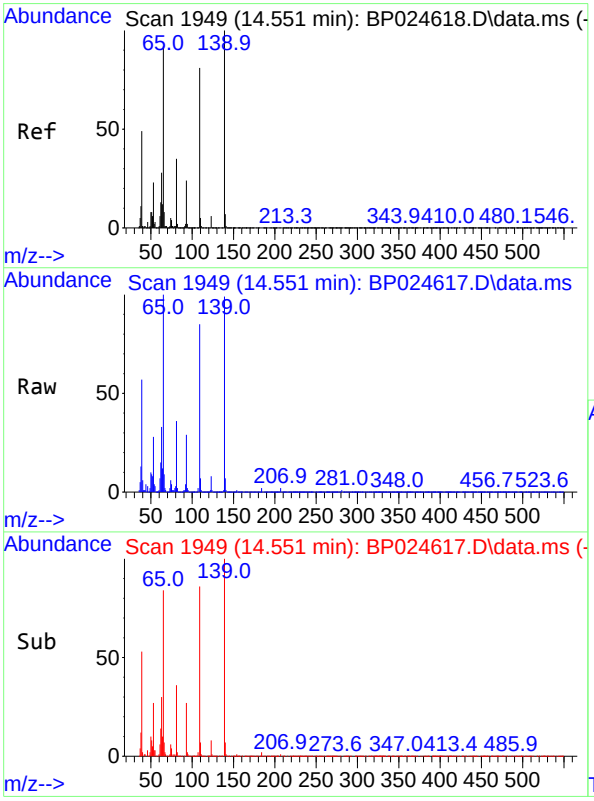
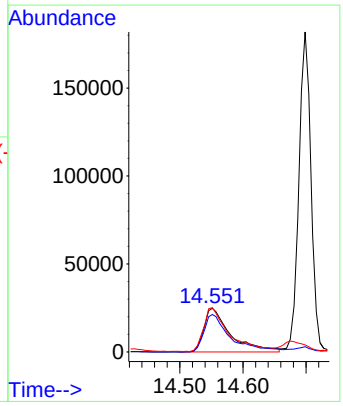
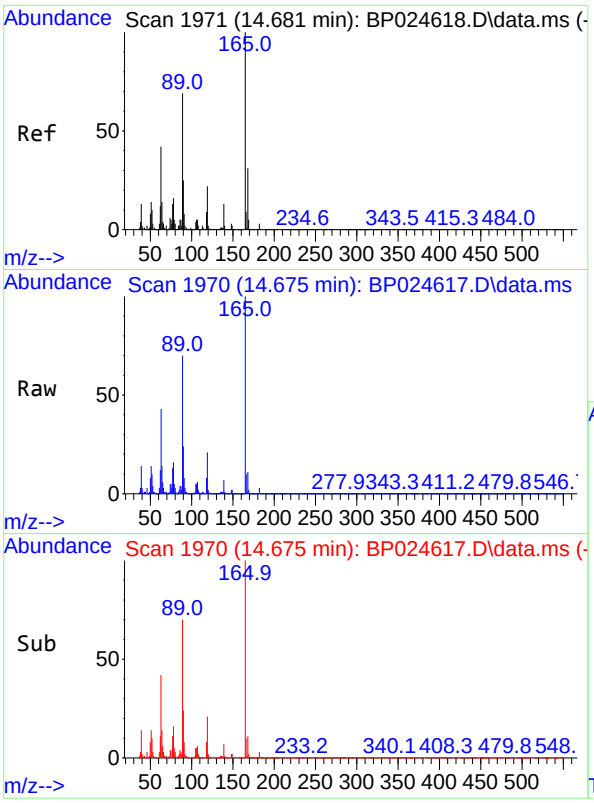



#56
4-Nitrophenol
Concen: 19.02 ng
RT: 14.551 min Scan# 1949
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:139 Resp: 71975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 85.7 | 61.4 | 101.4 |
| 65 | 101.4 | 72.2 | 112.2 |

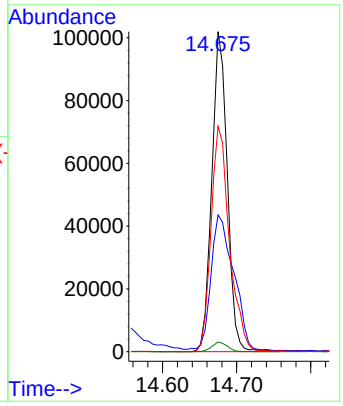





#57
2,4-Dinitrotoluene
Concen: 20.09 ng
RT: 14.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:165 Resp: 14767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 42.7 | 33.8 | 50.6 |
| 89 | 70.4 | 55.6 | 83.4 |
| 182 | 3.1 | 2.4 | 3.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

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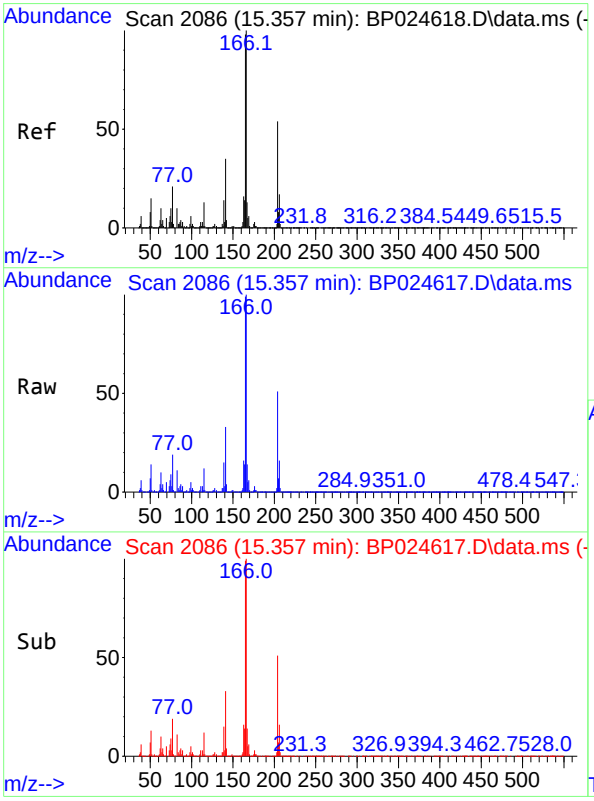
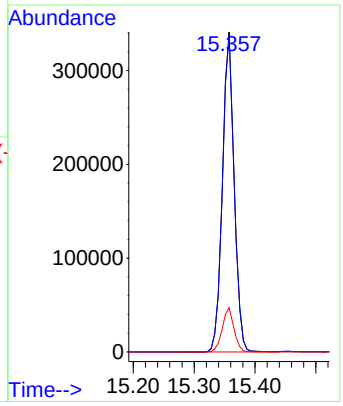
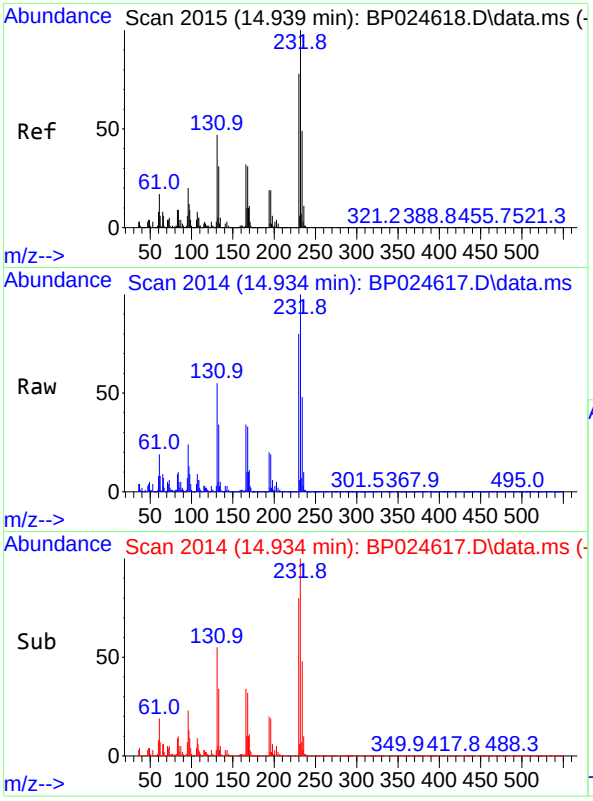



#58
Fluorene
Concen: 20.00 ng
RT: 15.357 min Scan# 2086
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:166 Resp: 456792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.9 | 78.5 | 117.7 |
| 167 | 13.8 | 10.7 | 16.1 |

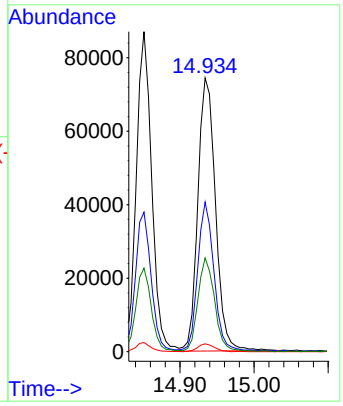





#59
2,3,4,6-Tetrachlorophenol
Concen: 19.59 ng
RT: 14.934 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:232 Resp: 12326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 50.2 | 39.5 | 59.3 |
| 130 | 2.7 | 2.2 | 3.4 |
| 166 | 32.0 | 25.7 | 38.5 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

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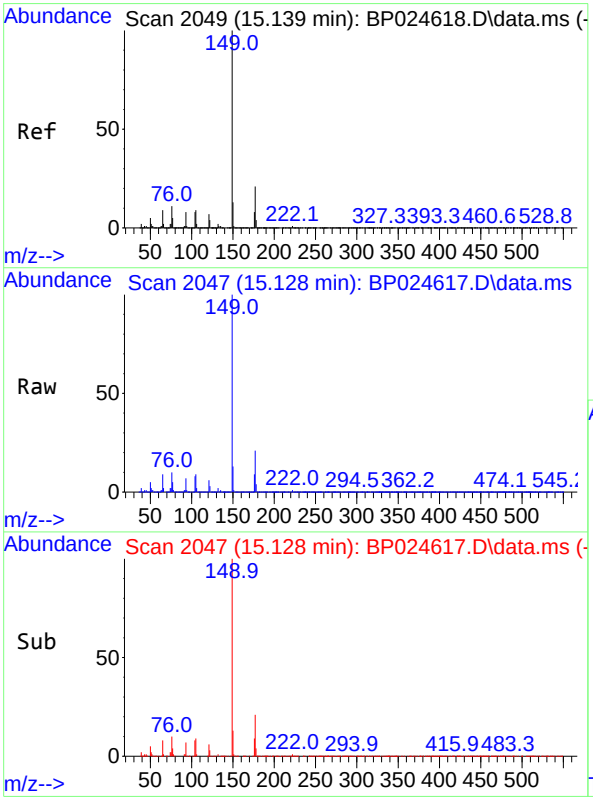
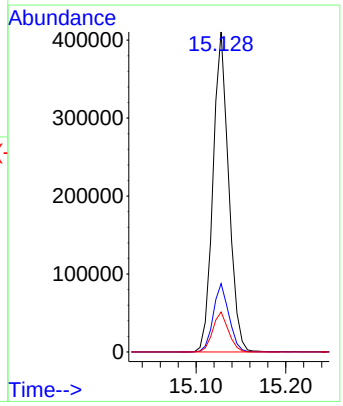
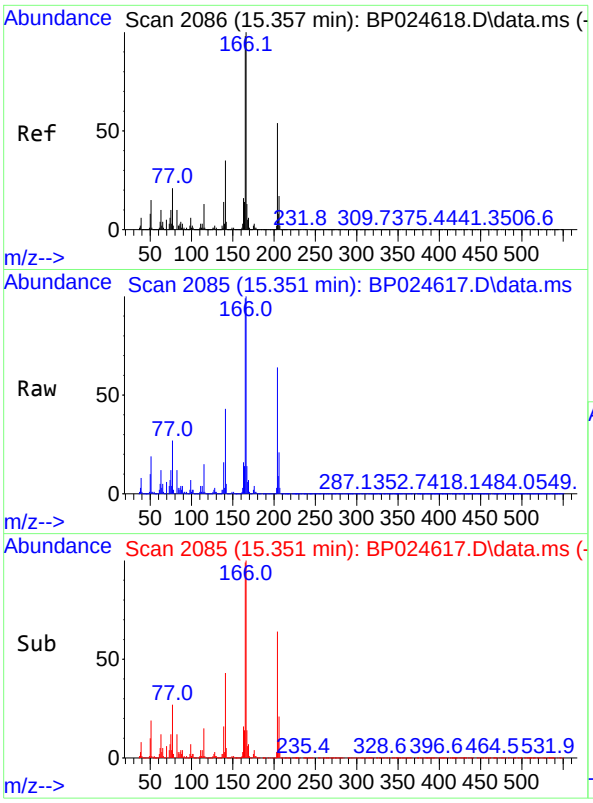



#60
Diethylphthalate
Concen: 19.95 ng
RT: 15.128 min Scan# 2047
Delta R.T. -0.012 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:149 Resp: 497916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.4 | 16.7 | 25.1 |
| 150 | 12.5 | 10.2 | 15.2 |

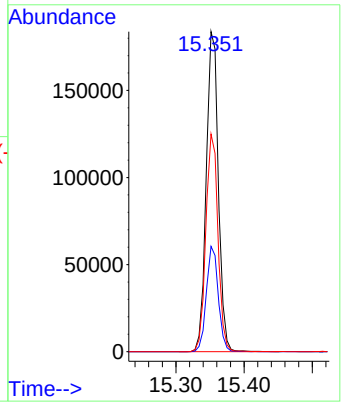





#61
4-Chlorophenyl-phenylether
Concen: 19.91 ng
RT: 15.351 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:204 Resp: 22679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.9 | 26.0 | 39.0 |
| 141 | 68.0 | 52.9 | 79.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

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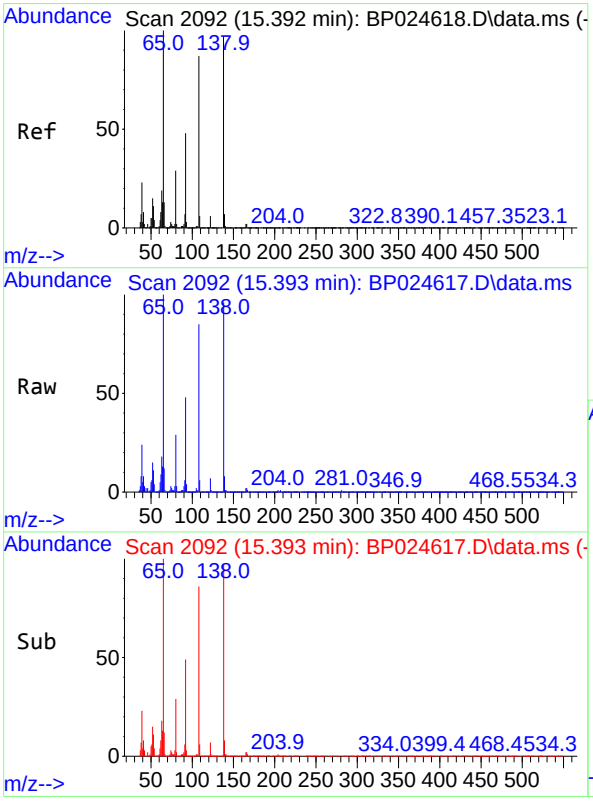
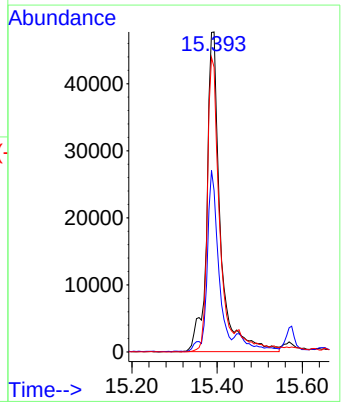
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

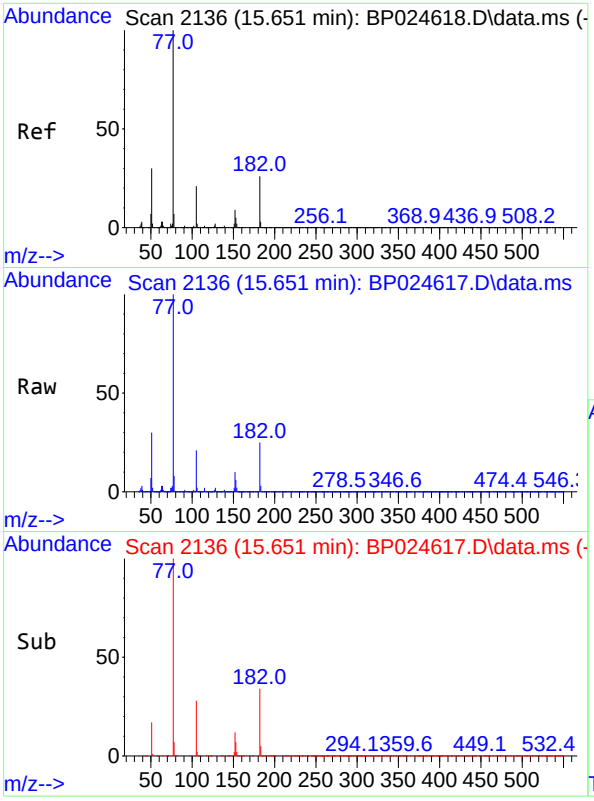



#62
4-Nitroaniline
Concen: 20.37 ng
RT: 15.393 min Scan# 2092
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:138 Resp: 105617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.4 | 29.2 | 69.2 |
| 108 | 89.0 | 69.0 | 109.0 |

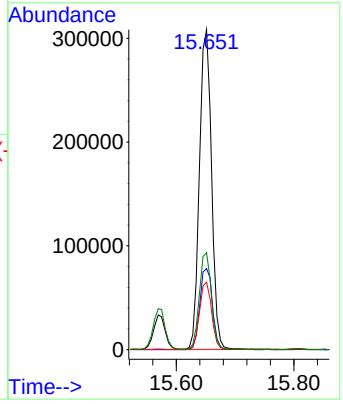





#63
Azobenzene
Concen: 20.57 ng
RT: 15.651 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 77 Resp: 43918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.4 | 5.7 | 45.7 |
| 105 | 21.1 | 1.3 | 41.3 |
| 51 | 30.3 | 10.6 | 50.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

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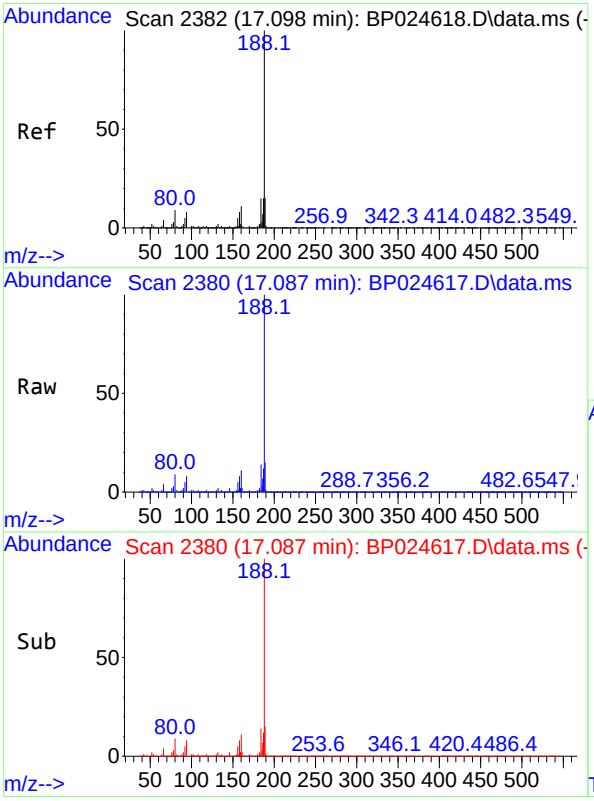
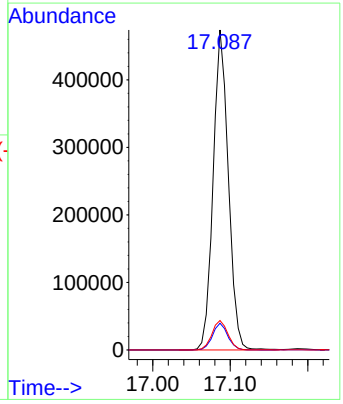
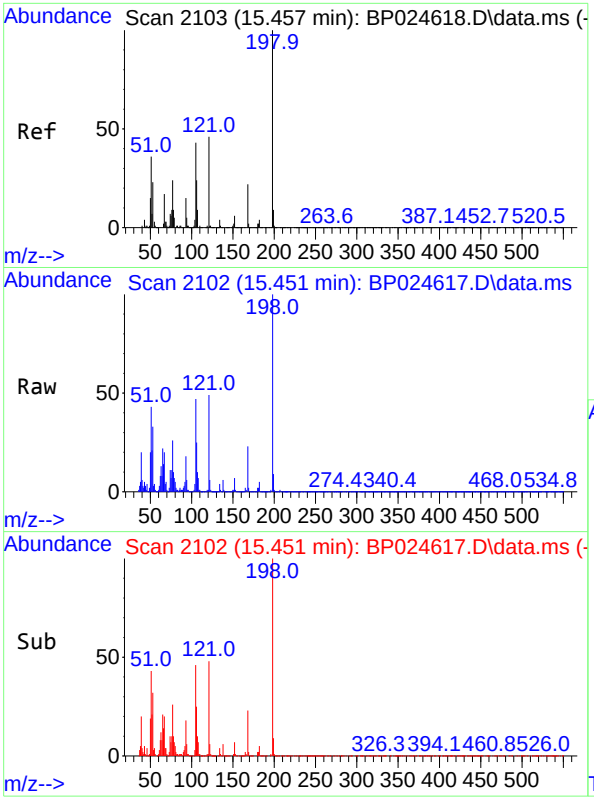



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.087 min Scan# 2380
Delta R.T. -0.012 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:188 Resp: 644367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.3 | 6.5 | 9.7 |
| 80 | 9.2 | 7.3 | 10.9 |






#65
4,6-Dinitro-2-methylphenol
Concen: 18.53 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:198 Resp: 7713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 43.2 | 21.1 | 61.1 |
| 105 | 46.8 | 23.6 | 63.6 |

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

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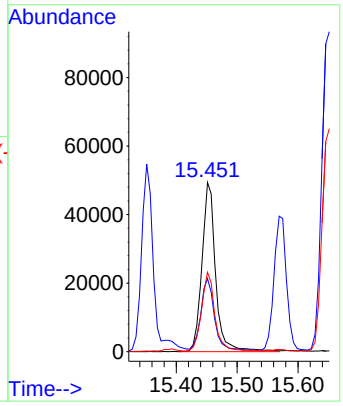
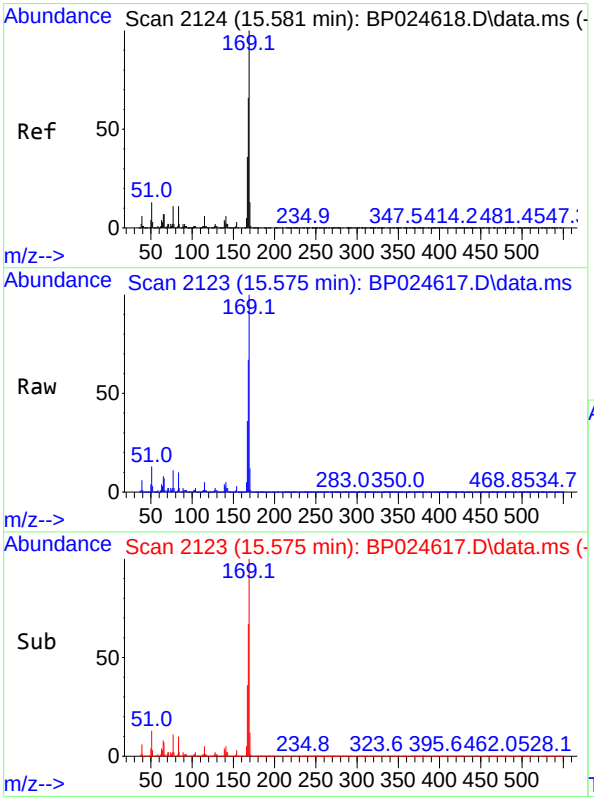
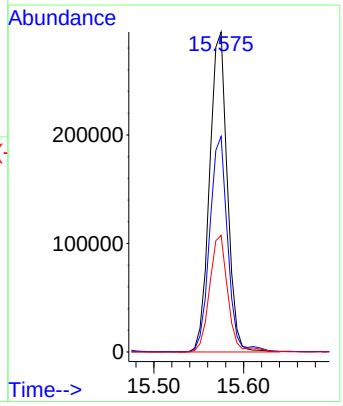


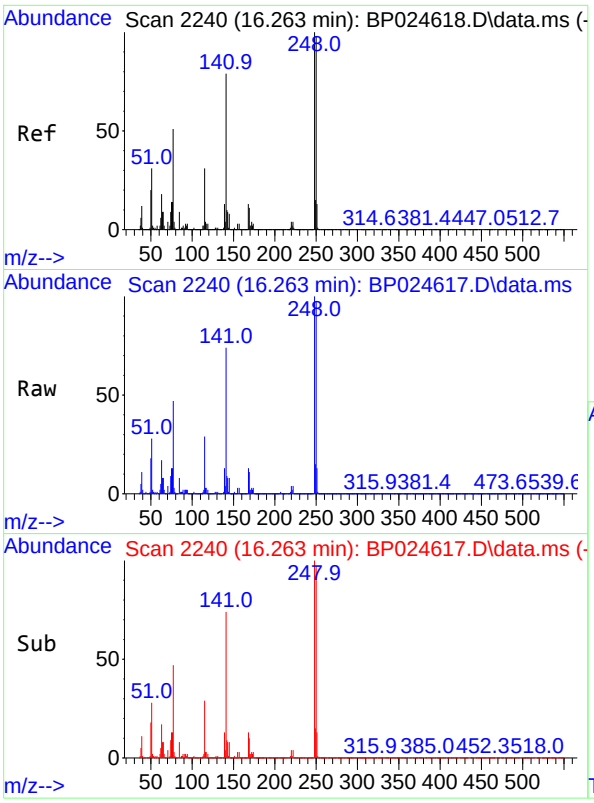




#66
n-Nitrosodiphenylamine
Concen: 20.42 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:169 Resp: 404085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.4 | 53.2 | 79.8 |
| 167 | 36.5 | 28.6 | 43.0 |

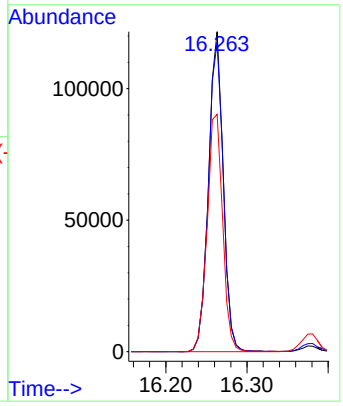





#67
4-Bromophenyl-phenylether
Concen: 20.07 ng
RT: 16.263 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:248 Resp: 15239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.8 | 78.2 | 117.4 |
| 141 | 74.2 | 63.0 | 94.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

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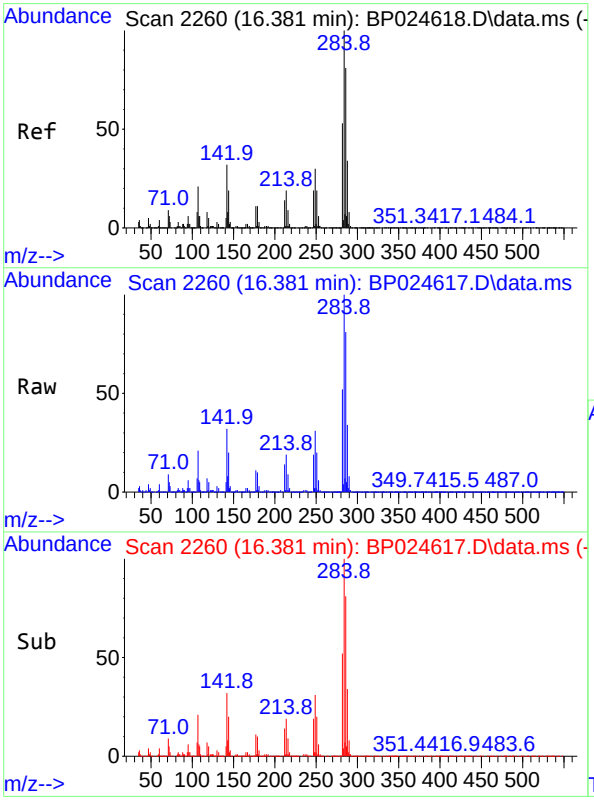
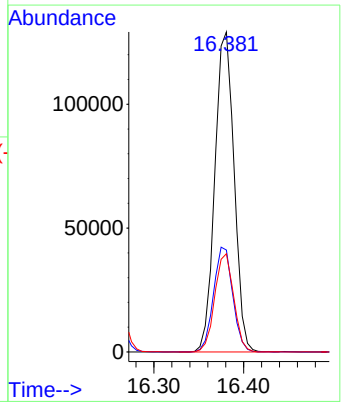
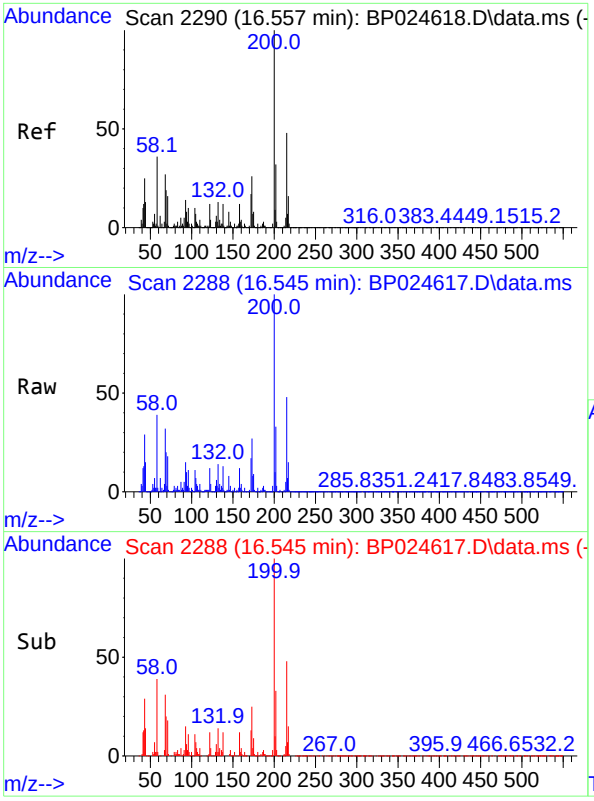



#68
Hexachlorobenzene
Concen: 19.93 ng
RT: 16.381 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:284 Resp: 192290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.9 | 25.9 | 38.9 |
| 249 | 30.7 | 24.1 | 36.1 |

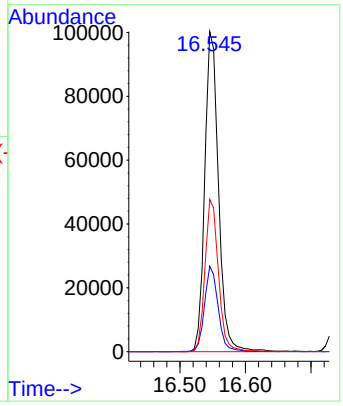





#69
Atrazine
Concen: 20.19 ng
RT: 16.545 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:200 Resp: 14646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.7 | 5.9 | 45.9 |
| 215 | 47.5 | 28.3 | 68.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

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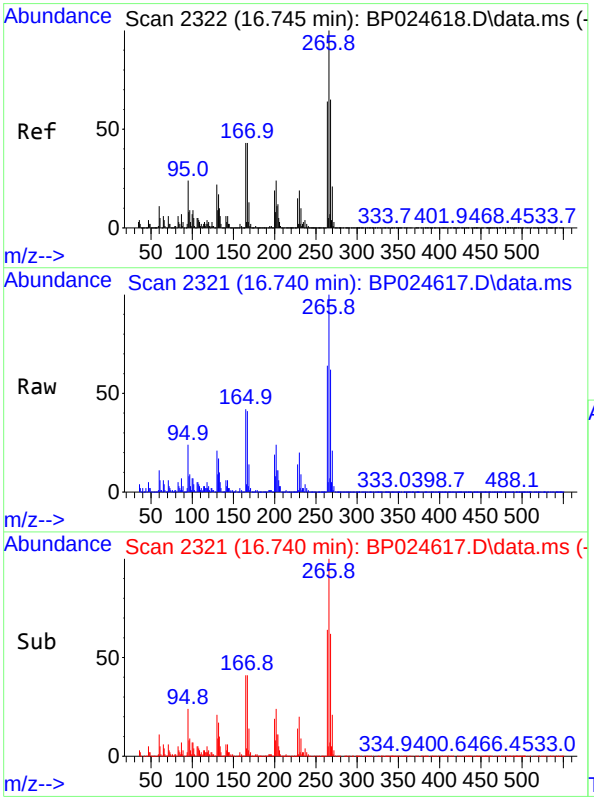
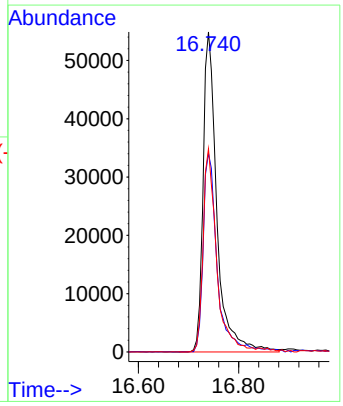
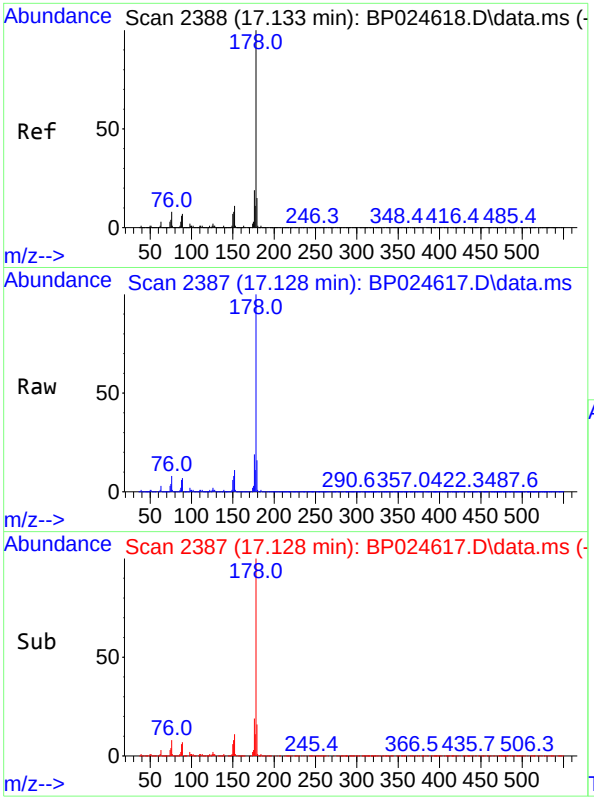



#70
Pentachlorophenol
Concen: 19.36 ng
RT: 16.740 min Scan# 2321
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:266 Resp: 104916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.1 | 52.2 | 78.4 |
| 264 | 63.5 | 51.1 | 76.7 |

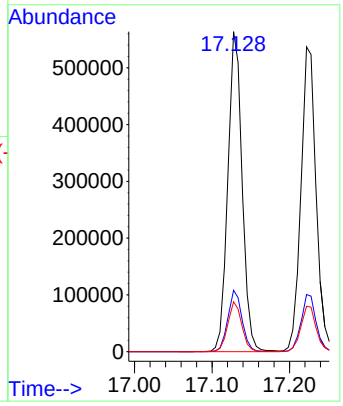





#71
Phenanthrene
Concen: 20.24 ng
RT: 17.128 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:178 Resp: 72492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.4 | 23.2 |
| 179 | 15.6 | 12.2 | 18.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

**Manual Integrations**
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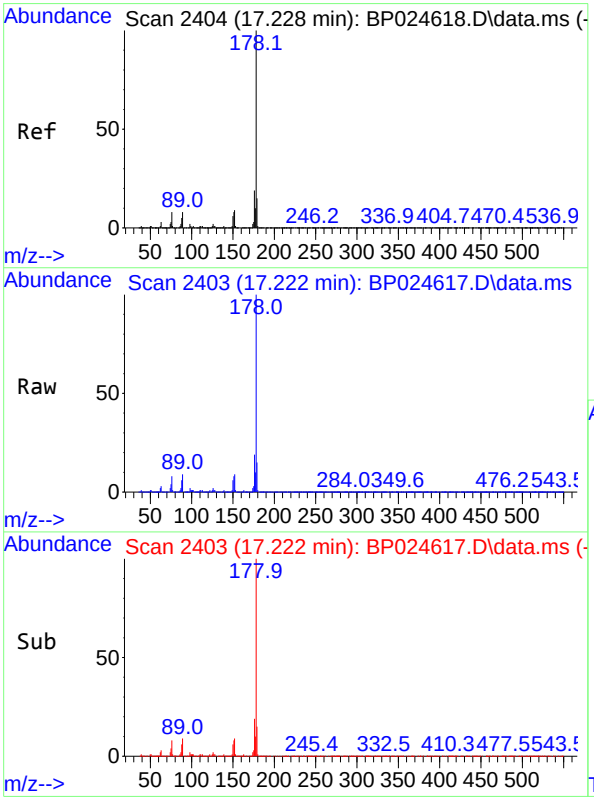
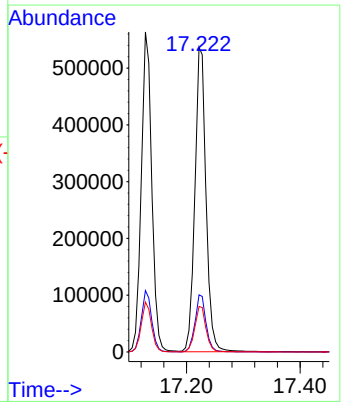
Supervised By :Jagrut Upadhyay 05/14/2025

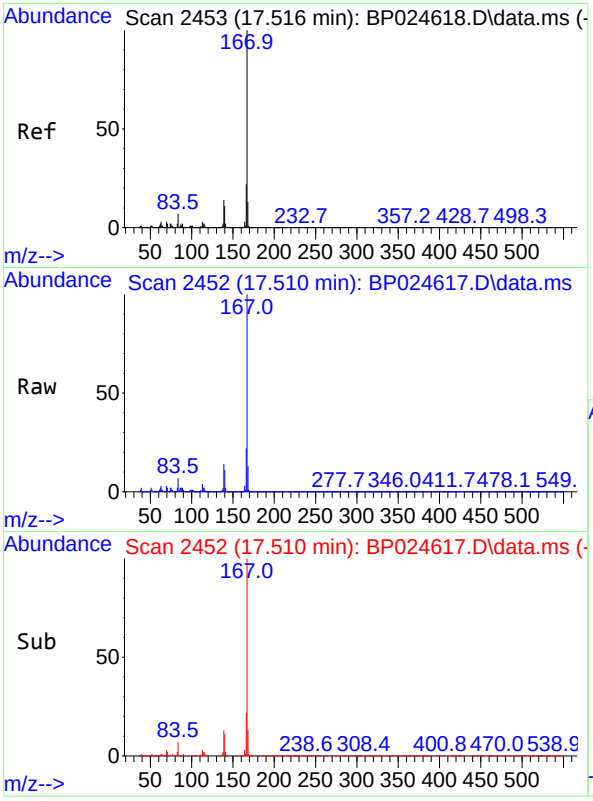



#72
Anthracene
Concen: 20.42 ng
RT: 17.222 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:178 Resp: 735787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.0 | 22.4 |
| 179 | 14.9 | 12.2 | 18.2 |

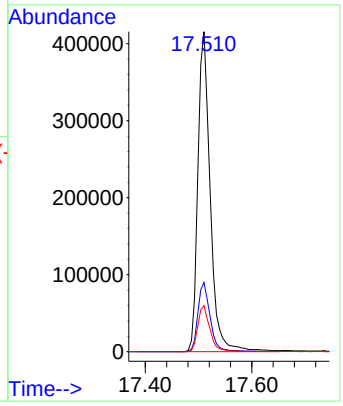





#73
Carbazole
Concen: 20.53 ng
RT: 17.510 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:167 Resp: 66973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.6 | 17.7 | 26.5 |
| 139 | 14.4 | 11.3 | 16.9 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

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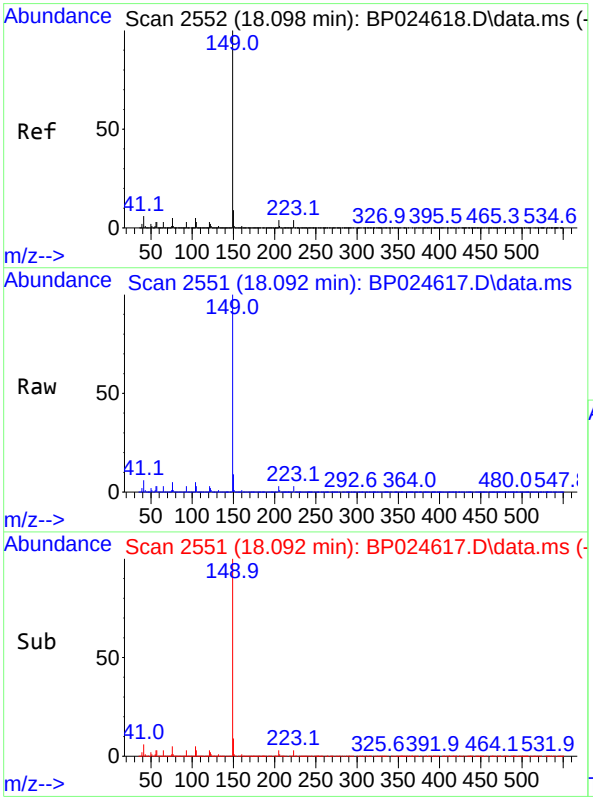
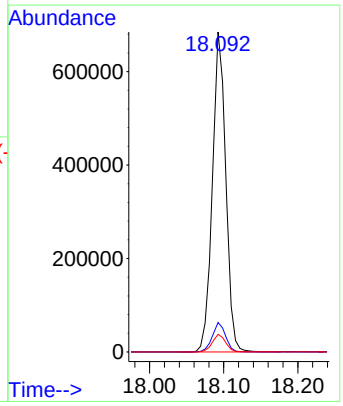
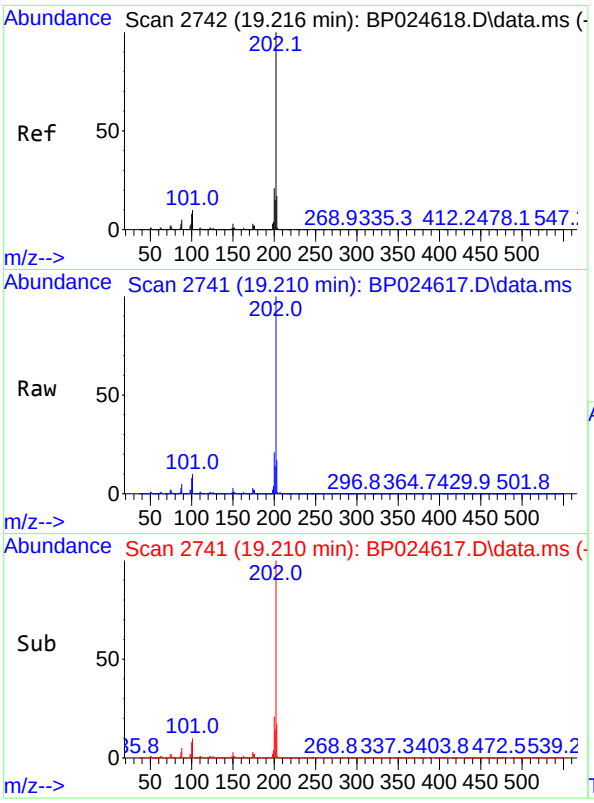



#74
Di-n-butylphthalate
Concen: 20.46 ng
RT: 18.092 min Scan# 2551
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:149 Resp: 858522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.2 | 10.8 |
| 104 | 5.5 | 4.3 | 6.5 |

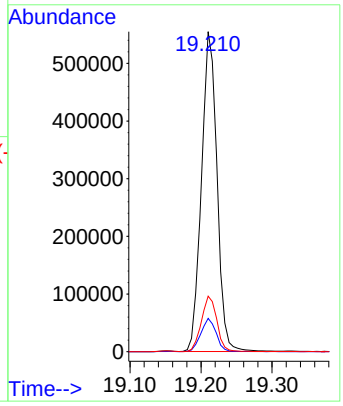





#75
Fluoranthene
Concen: 20.22 ng
RT: 19.210 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:202 Resp: 84668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.4 | 0.0 | 30.3 |
| 203 | 17.3 | 0.0 | 37.5 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

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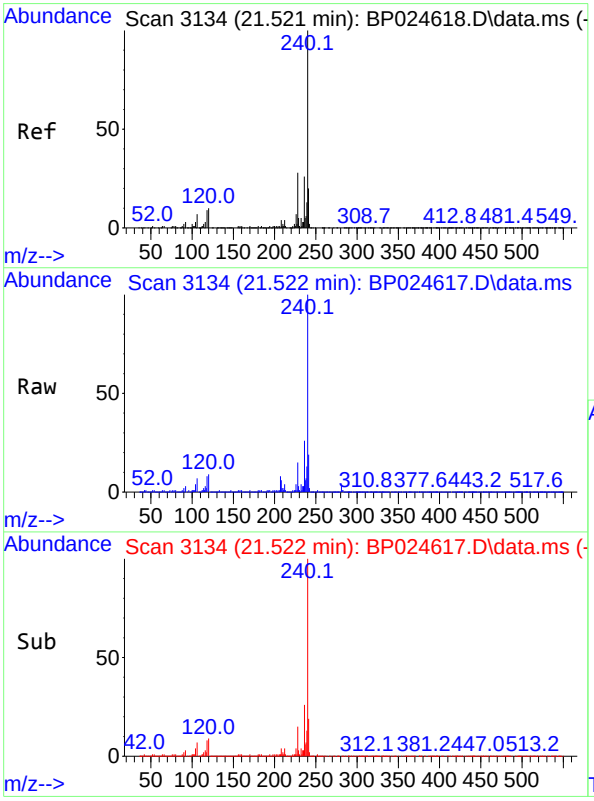
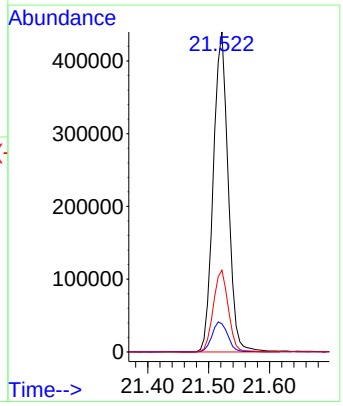
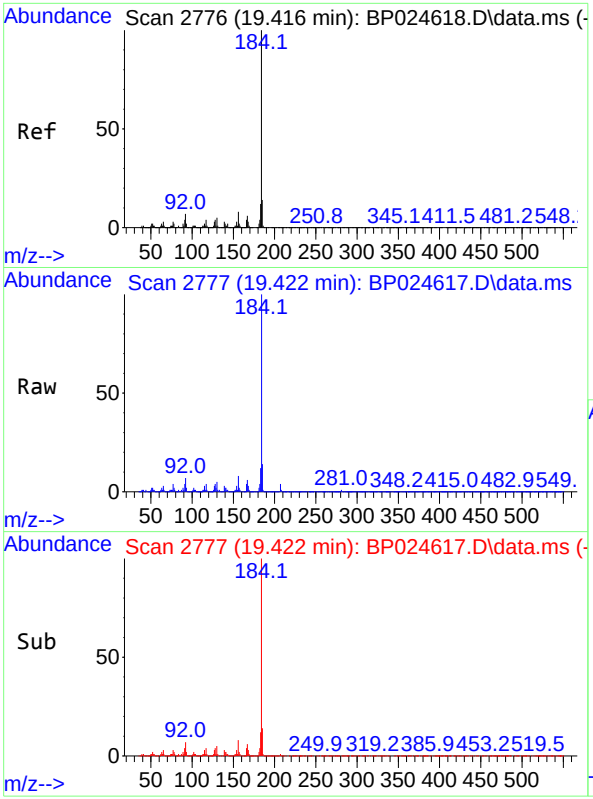



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.522 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:240 Resp: 745224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.8 | 7.8 | 11.6 |
| 236 | 25.5 | 20.6 | 31.0 |






#77
Benzidine
Concen: 19.79 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

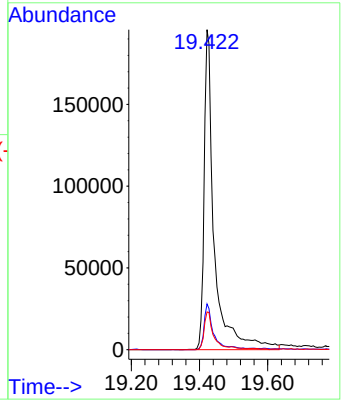
Tgt Ion:184 Resp: 40489

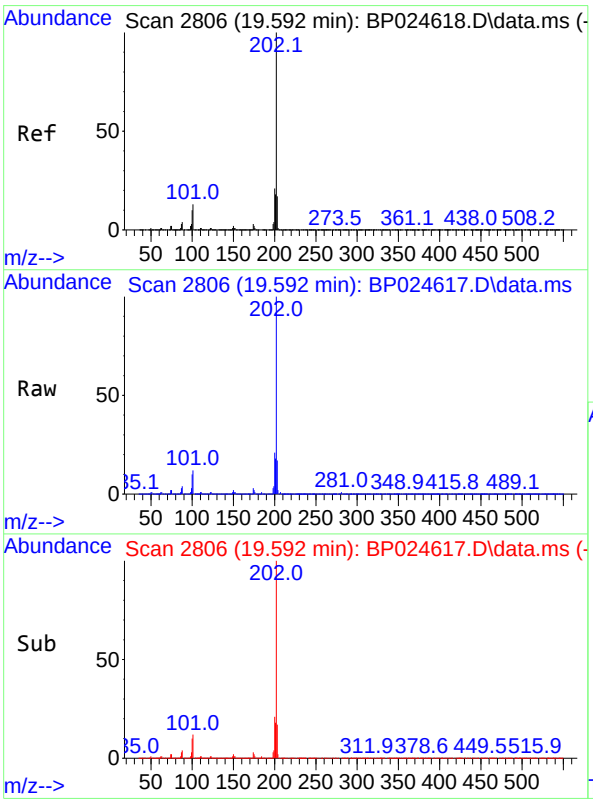
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.3 | 11.2 | 16.8 |
| 183 | 11.8 | 9.8 | 14.8 |

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

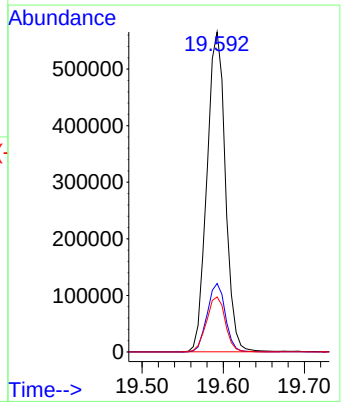


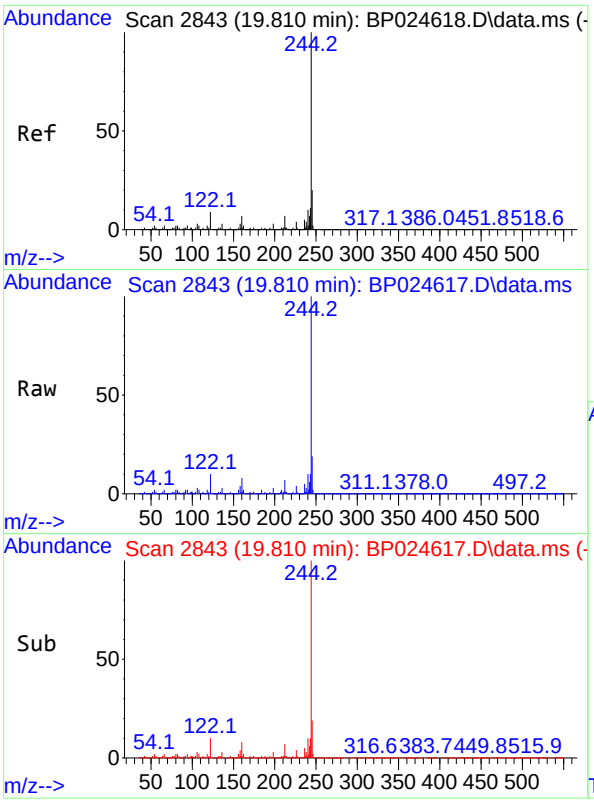




#78
Pyrene
Concen: 19.98 ng
RT: 19.592 min Scan# 2806
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:202 Resp: 892037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.4 | 16.9 | 25.3 |
| 203 | 17.2 | 13.9 | 20.9 |

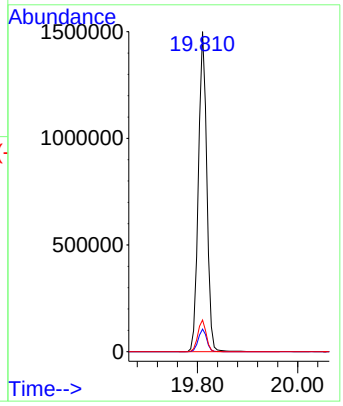





#79
Terphenyl-d14
Concen: 39.96 ng
RT: 19.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:244 Resp: 173687

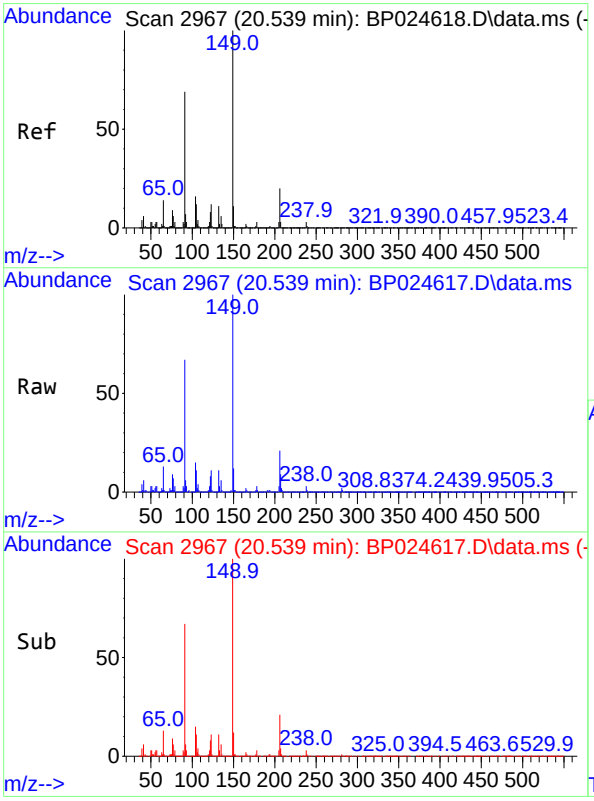
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.5 | 8.3 |
| 122 | 9.9 | 7.4 | 11.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**

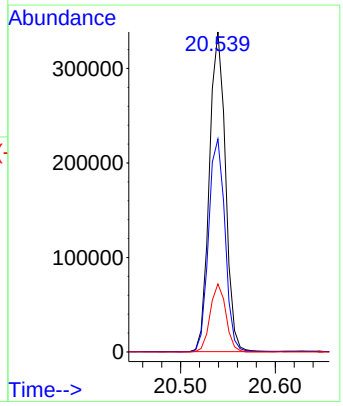
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

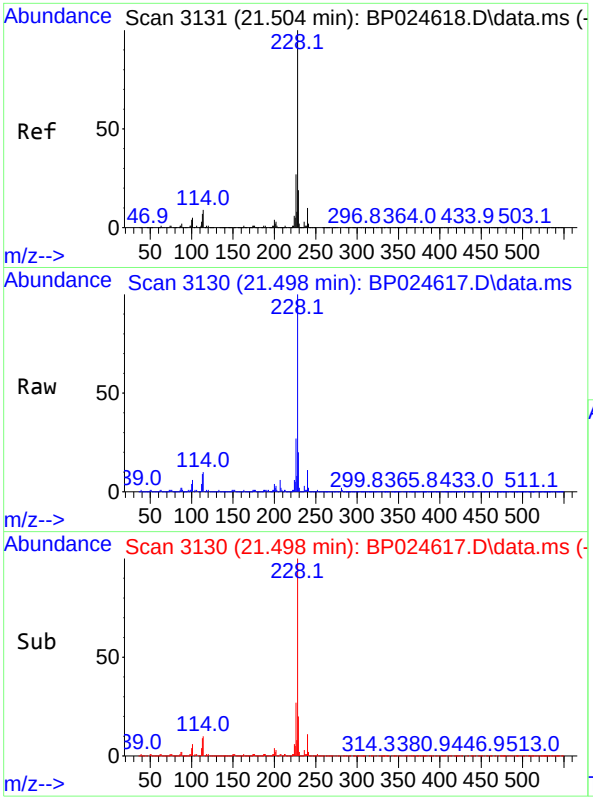



#80
Butylbenzylphthalate
Concen: 20.14 ng
RT: 20.539 min Scan# 2967
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:149 Resp: 400050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 66.6 | 55.4 | 83.0 |
| 206 | 21.3 | 16.2 | 24.2 |

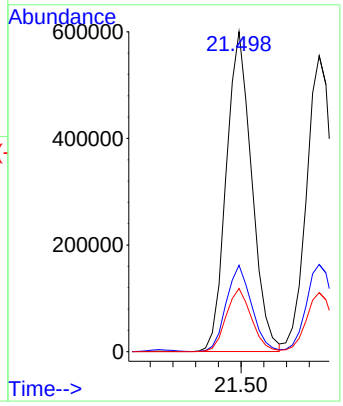





#81
Benzo(a)anthracene
Concen: 19.95 ng
RT: 21.498 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:228 Resp: 93361

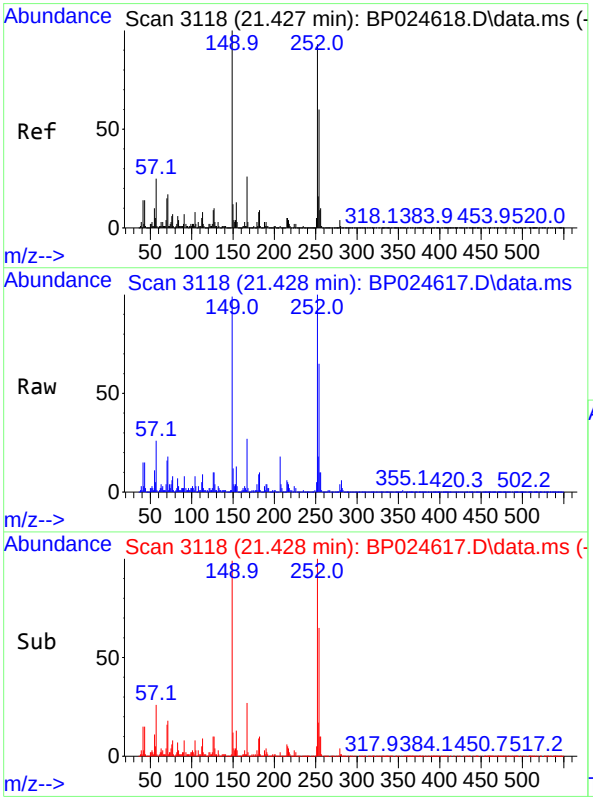
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.0 | 21.4 | 32.0 |
| 229 | 19.7 | 15.5 | 23.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**

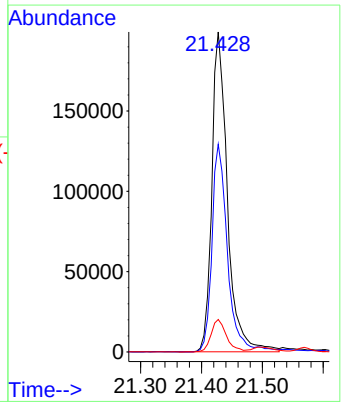
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

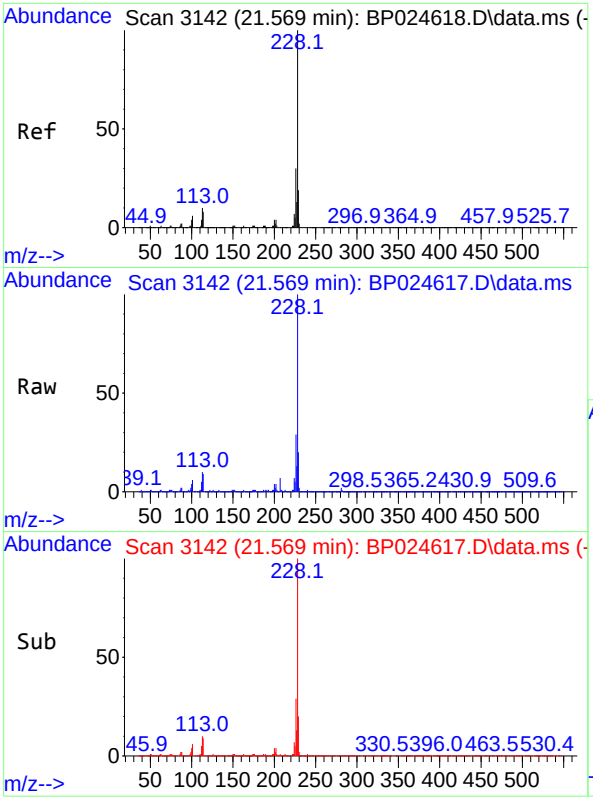



#82
3,3'-Dichlorobenzidine
Concen: 20.31 ng
RT: 21.428 min Scan# 3118
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:252 Resp: 353000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.9 | 51.8 | 77.6 |
| 126 | 10.1 | 7.7 | 11.5 |

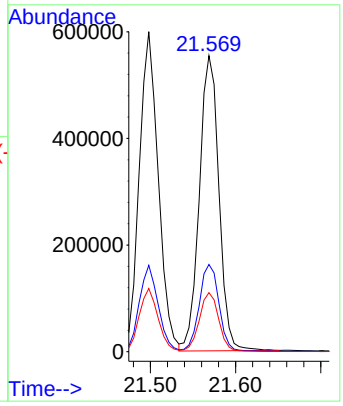





#83
Chrysene
Concen: 19.91 ng
RT: 21.569 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:228 Resp: 88300

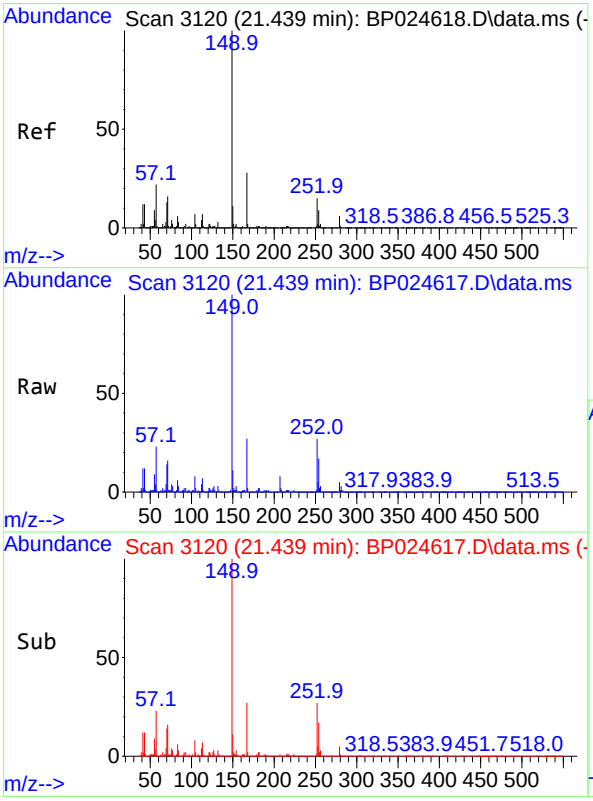
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.5 | 23.9 | 35.9 |
| 229 | 20.0 | 15.5 | 23.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**

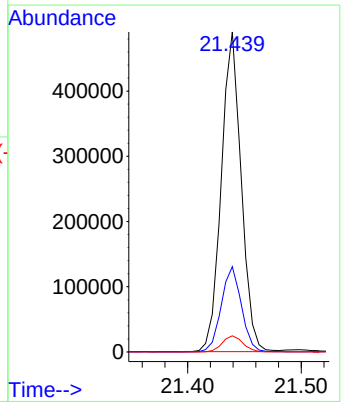
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

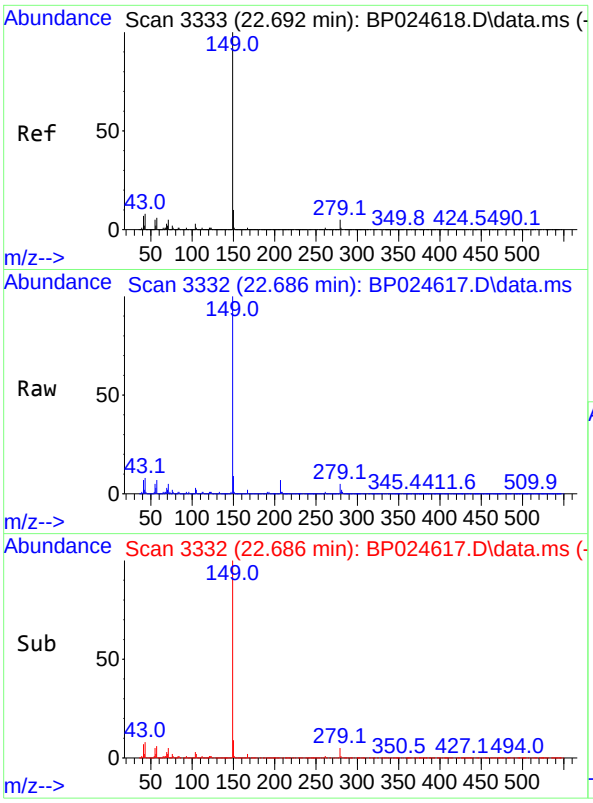



#84
Bis(2-ethylhexyl)phthalate
Concen: 20.45 ng
RT: 21.439 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:149 Resp: 597012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.6 | 22.1 | 33.1 |
| 279 | 5.0 | 4.6 | 6.8 |






#85
Di-n-octyl phthalate
Concen: 19.85 ng
RT: 22.686 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

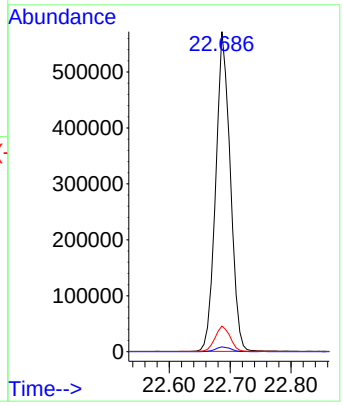
Tgt Ion:149 Resp: 94757

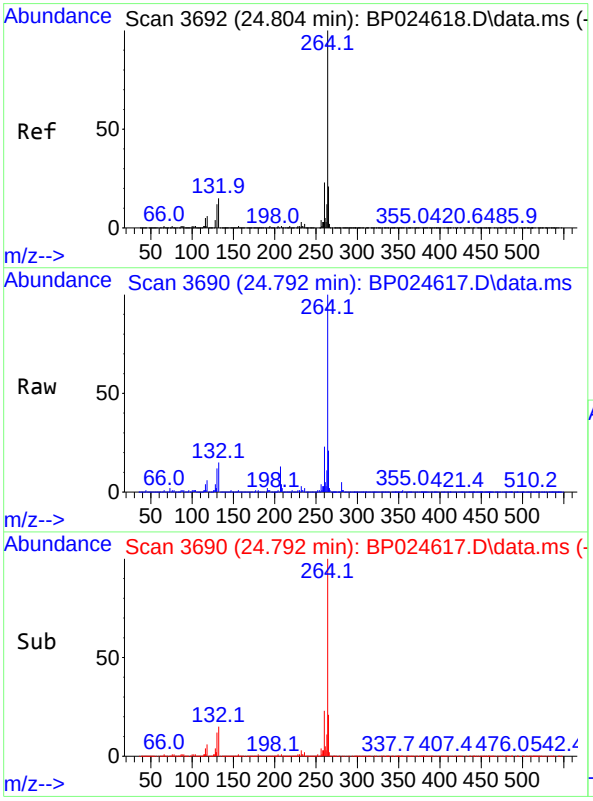
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.2 | 1.8 |
| 43 | 8.3 | 6.3 | 9.5 |

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

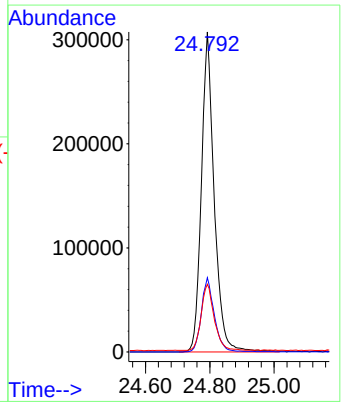


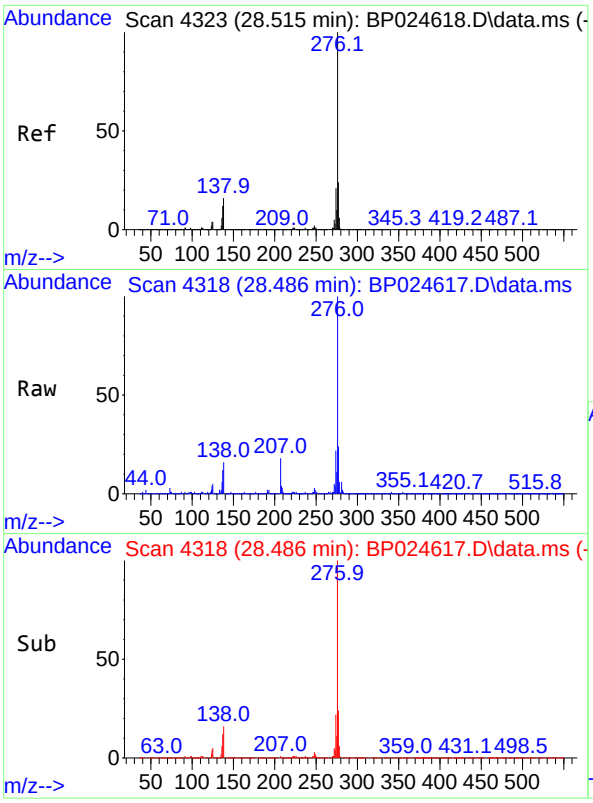




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.792 min Scan# 3690
Delta R.T. -0.012 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:264 Resp: 850264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 18.7 | 28.1 |
| 265 | 21.2 | 17.0 | 25.6 |

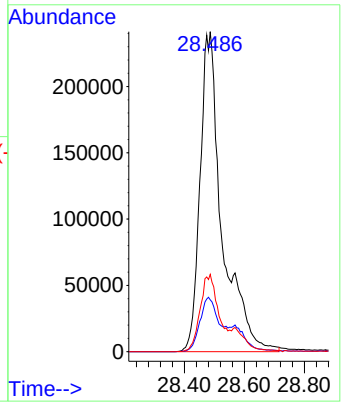





#87
Indeno(1,2,3-cd)pyrene
Concen: 19.81 ng m
RT: 28.486 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:276 Resp: 123012

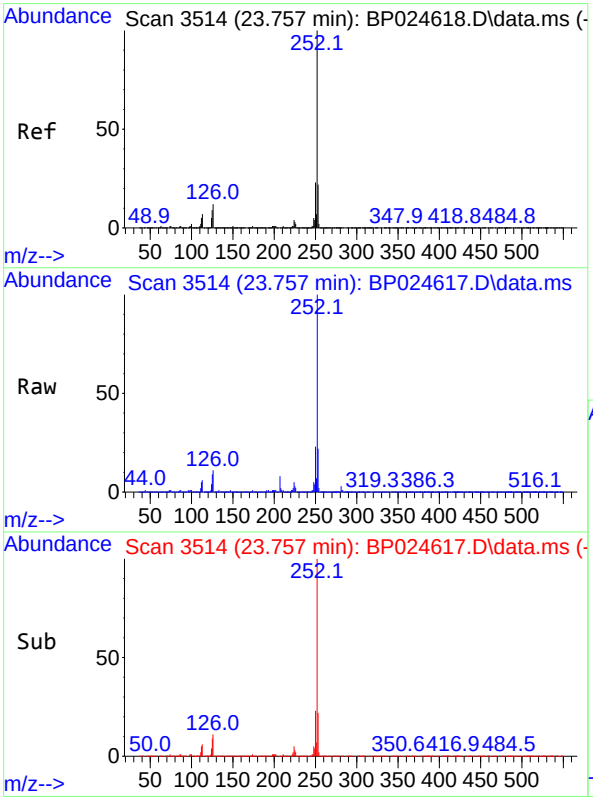
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 15.2 | 11.2 | 16.8 |
| 277 | 20.9 | 15.7 | 23.5 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**

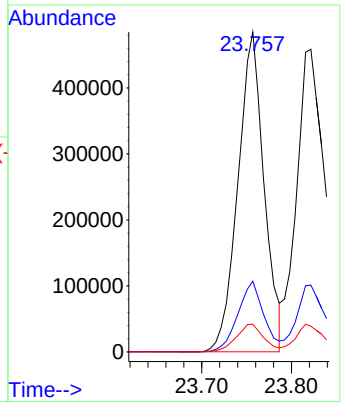
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

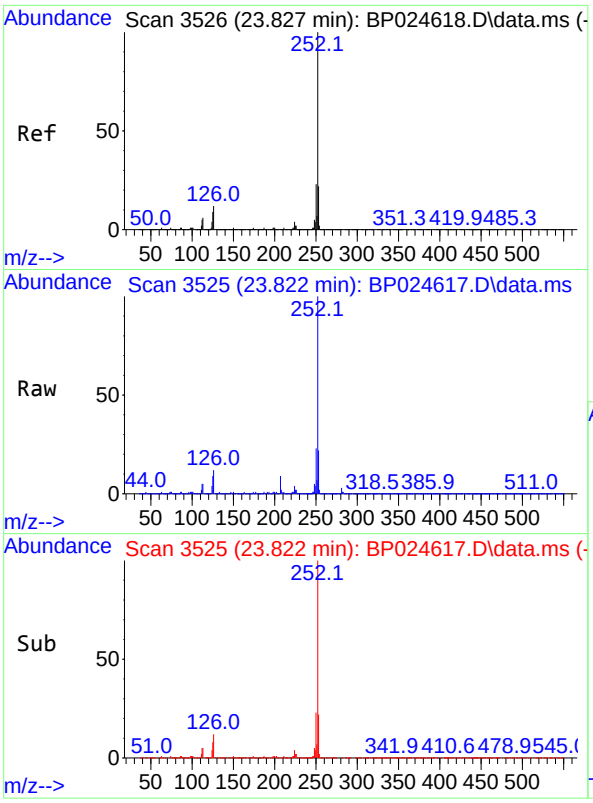



#88
Benzo(b)fluoranthene
Concen: 20.13 ng
RT: 23.757 min Scan# 3514
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:252 Resp: 979873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.7 | 26.5 |
| 125 | 8.7 | 7.5 | 11.3 |

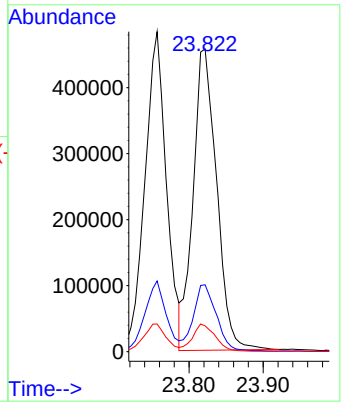





#89
Benzo(k)fluoranthene
Concen: 20.05 ng
RT: 23.822 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:252 Resp: 100534

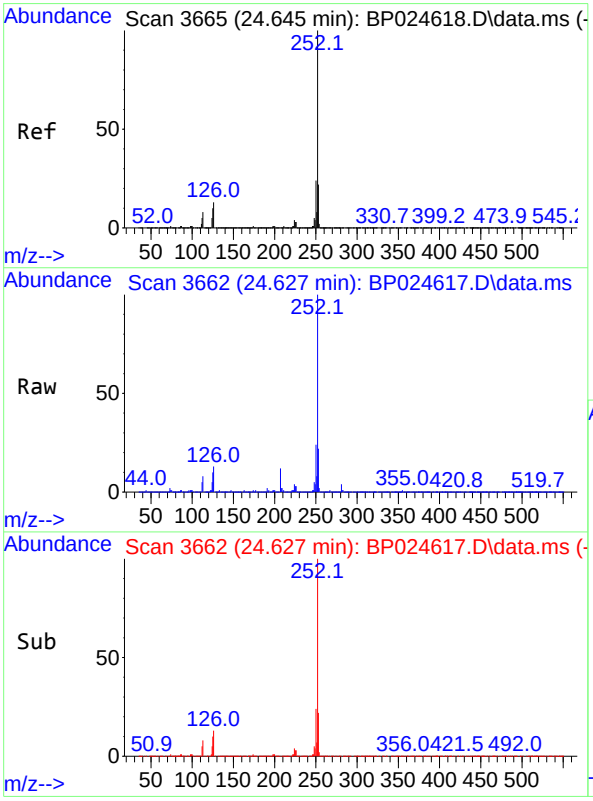
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.6 | 26.4 |
| 125 | 8.5 | 7.0 | 10.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**

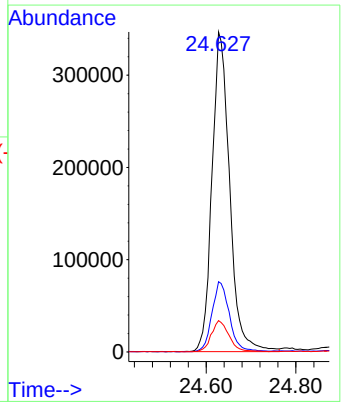
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

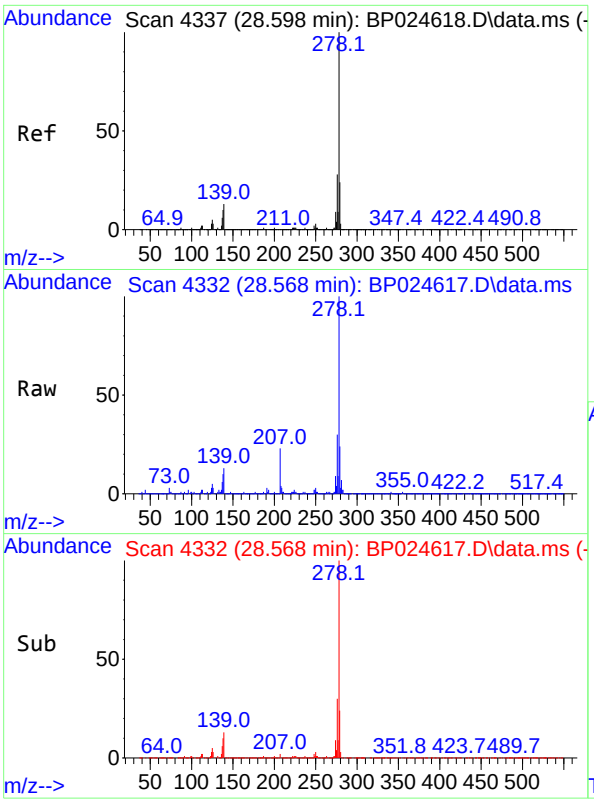



#90
Benzo(a)pyrene
Concen: 20.23 ng
RT: 24.627 min Scan# 3662
Delta R.T. -0.017 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:252 Resp: 945764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.7 | 26.5 |
| 125 | 9.8 | 8.1 | 12.1 |

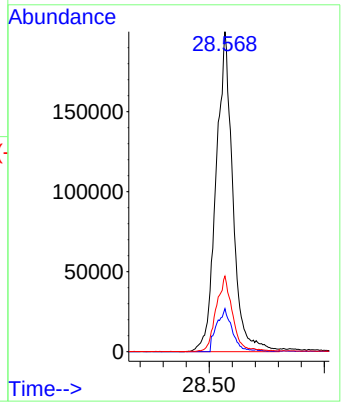





#91
Dibenzo(a,h)anthracene
Concen: 19.97 ng
RT: 28.568 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:278 Resp: 100828

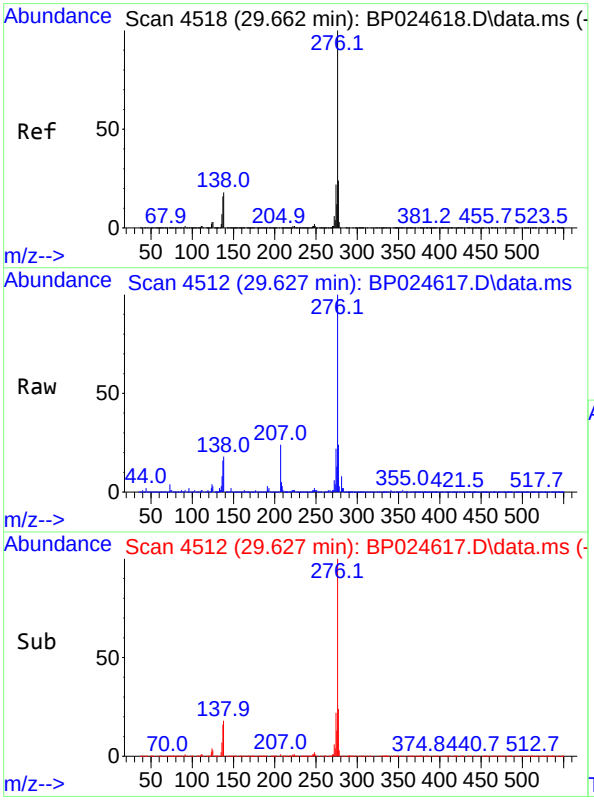
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.5 | 10.2 | 15.4 |
| 279 | 23.6 | 19.0 | 28.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**

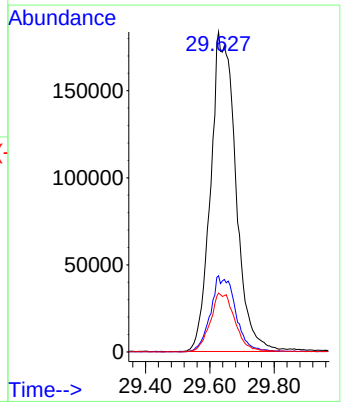
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025




#92
Benzo(g,h,i)perylene
Concen: 19.75 ng
RT: 29.627 min Scan# 4512
Delta R.T. -0.035 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:276 Resp: 991852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 19.0 | 28.4 |
| 138 | 18.4 | 14.4 | 21.6 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024618.D
Acq On : 13 May 2025 13:24
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:06:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.663 | 152 | 120950 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.434 | 136 | 540452 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.304 | 164 | 362458 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.098 | 188 | 717362 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.521 | 240 | 810498 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 24.804 | 264 | 929890 | 20.00 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.287 | 112 | 534477 | 75.58 | ng | 0.00 |
| 7) Phenol-d6 | 6.852 | 99 | 712342 | 78.93 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.810 | 82 | 826567 | 77.28 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.810 | 330 | 467808 | 76.13 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 12.904 | 172 | 2076354 | 75.05 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.810 | 244 | 3647961 | 77.18 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.228 | 88 | 122181 | 36.79 | ng | 100 |
| 3) Pyridine | 3.622 | 79 | 289809 | 39.36 | ng | 100 |
| 4) n-Nitrosodimethylamine | 3.534 | 42 | 125087 | 38.48 | ng | 100 |
| 6) Aniline | 7.005 | 93 | 463675 | 39.79 | ng | 100 |
| 8) 2-Chlorophenol | 7.240 | 128 | 315079 | 39.25 | ng | 100 |
| 9) Benzaldehyde | 6.822 | 77 | 231076m | 39.62 | ng | |
| 10) Phenol | 6.881 | 94 | 364948 | 39.18 | ng | 100 |
| 11) bis(2-Chloroethyl)ether | 7.099 | 93 | 293331 | 38.32 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 7.552 | 146 | 348242 | 37.71 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 7.699 | 146 | 355533 | 38.27 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 8.010 | 146 | 344980 | 38.11 | ng | 100 |
| 15) Benzyl Alcohol | 7.905 | 79 | 277892 | 40.52 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.187 | 45 | 354872 | 38.71 | ng | 100 |
| 17) 2-Methylphenol | 8.110 | 107 | 265962 | 39.81 | ng | 100 |
| 18) Hexachloroethane | 8.728 | 117 | 133224 | 37.43 | ng | 100 |
| 19) n-Nitroso-di-n-propyla... | 8.457 | 70 | 253553 | 40.61 | ng | 100 |
| 20) 3+4-Methylphenols | 8.434 | 107 | 366564 | 40.33 | ng | 100 |
| 22) Acetophenone | 8.475 | 105 | 521603 | 38.64 | ng | 100 |
| 24) Nitrobenzene | 8.852 | 77 | 363767 | 38.65 | ng | 100 |
| 25) Isophorone | 9.375 | 82 | 727081 | 39.19 | ng | 100 |
| 26) 2-Nitrophenol | 9.563 | 139 | 185587 | 40.24 | ng | 100 |
| 27) 2,4-Dimethylphenol | 9.628 | 122 | 322227 | 39.62 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 9.851 | 93 | 430958 | 38.88 | ng | 100 |
| 29) 2,4-Dichlorophenol | 10.093 | 162 | 314830 | 39.95 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 10.299 | 180 | 330659 | 37.23 | ng | 100 |
| 31) Naphthalene | 10.481 | 128 | 1059316 | 37.82 | ng | 100 |
| 32) Benzoic acid | 9.775 | 122 | 206829m | 38.01 | ng | |
| 33) 4-Chloroaniline | 10.599 | 127 | 452150 | 40.01 | ng | 100 |
| 34) Hexachlorobutadiene | 10.763 | 225 | 213978 | 37.19 | ng | 100 |
| 35) Caprolactam | 11.387 | 113 | 118047 | 41.43 | ng | 100 |
| 36) 4-Chloro-3-methylphenol | 11.734 | 107 | 385077 | 40.07 | ng | 100 |
| 37) 2-Methylnaphthalene | 12.093 | 142 | 692133 | 38.17 | ng | 100 |
| 38) 1-Methylnaphthalene | 12.316 | 142 | 745849 | 38.44 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.469 | 216 | 398230 | 37.84 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 12.445 | 237 | 258329 | 40.48 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 12.716 | 196 | 268675 | 39.41 | ng | 100 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024618.D
Acq On : 13 May 2025 13:24
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:06:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.798 | 196 | 293079 | 38.62 | ng | 100 |
| 46) 1,1'-Biphenyl | 13.116 | 154 | 1002344 | 37.42 | ng | 100 |
| 47) 2-Chloronaphthalene | 13.157 | 162 | 771952 | 37.79 | ng | 100 |
| 48) 2-Nitroaniline | 13.375 | 65 | 242485 | 40.10 | ng | 100 |
| 49) Acenaphthylene | 14.016 | 152 | 1307740 | 38.26 | ng | 100 |
| 50) Dimethylphthalate | 13.757 | 163 | 1051056 | 38.04 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.881 | 165 | 226086 | 38.75 | ng | 100 |
| 52) Acenaphthene | 14.363 | 154 | 745335 | 37.93 | ng | 100 |
| 53) 3-Nitroaniline | 14.216 | 138 | 246561 | 41.39 | ng | 100 |
| 54) 2,4-Dinitrophenol | 14.428 | 184 | 124517 | 37.54 | ng | 100 |
| 55) Dibenzofuran | 14.698 | 168 | 1183806 | 37.77 | ng | 100 |
| 56) 4-Nitrophenol | 14.551 | 139 | 186112 | 38.41 | ng | 100 |
| 57) 2,4-Dinitrotoluene | 14.681 | 165 | 329156 | 40.02 | ng | 100 |
| 58) Fluorene | 15.357 | 166 | 968487 | 37.89 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.939 | 232 | 274384 | 38.98 | ng | 100 |
| 60) Diethylphthalate | 15.139 | 149 | 1046478 | 37.48 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.357 | 204 | 475327 | 37.29 | ng | 100 |
| 62) 4-Nitroaniline | 15.392 | 138 | 239212 | 41.24 | ng | 100 |
| 63) Azobenzene | 15.651 | 77 | 906274 | 37.94 | ng | 100 |
| 65) 4,6-Dinitro-2-methylph... | 15.457 | 198 | 184593 | 39.84 | ng | 100 |
| 66) n-Nitrosodiphenylamine | 15.581 | 169 | 851188 | 38.63 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.263 | 248 | 323558 | 38.28 | ng | 100 |
| 68) Hexachlorobenzene | 16.381 | 284 | 403916 | 37.60 | ng | 100 |
| 69) Atrazine | 16.557 | 200 | 312226 | 38.67 | ng | 100 |
| 70) Pentachlorophenol | 16.745 | 266 | 246828 | 40.91 | ng | 100 |
| 71) Phenanthrene | 17.133 | 178 | 1507602 | 37.80 | ng | 100 |
| 72) Anthracene | 17.228 | 178 | 1542275 | 38.44 | ng | 100 |
| 73) Carbazole | 17.516 | 167 | 1436294 | 39.55 | ng | 100 |
| 74) Di-n-butylphthalate | 18.098 | 149 | 1807097 | 38.69 | ng | 100 |
| 75) Fluoranthene | 19.216 | 202 | 1794046 | 38.49 | ng | 100 |
| 77) Benzidine | 19.416 | 184 | 907109 | 40.77 | ng | 100 |
| 78) Pyrene | 19.592 | 202 | 1869519 | 38.50 | ng | 100 |
| 80) Butylbenzylphthalate | 20.539 | 149 | 854913 | 39.58 | ng | 100 |
| 81) Benzo(a)anthracene | 21.504 | 228 | 1957632 | 38.47 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.427 | 252 | 773866 | 40.94 | ng | 100 |
| 83) Chrysene | 21.569 | 228 | 1833959 | 38.01 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.439 | 149 | 1240956 | 39.09 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.692 | 149 | 2074694 | 39.97 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.515 | 276 | 2648648 | 39.00 | ng | 100 |
| 88) Benzo(b)fluoranthene | 23.757 | 252 | 2050806 | 38.53 | ng | 100 |
| 89) Benzo(k)fluoranthene | 23.827 | 252 | 2120721 | 38.67 | ng | 100 |
| 90) Benzo(a)pyrene | 24.645 | 252 | 1979017 | 38.71 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 28.598 | 278 | 2170712 | 39.30 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 29.662 | 276 | 2132921 | 38.84 | ng | 100 |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024618.D
Acq On : 13 May 2025 13:24
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 13 16:06:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

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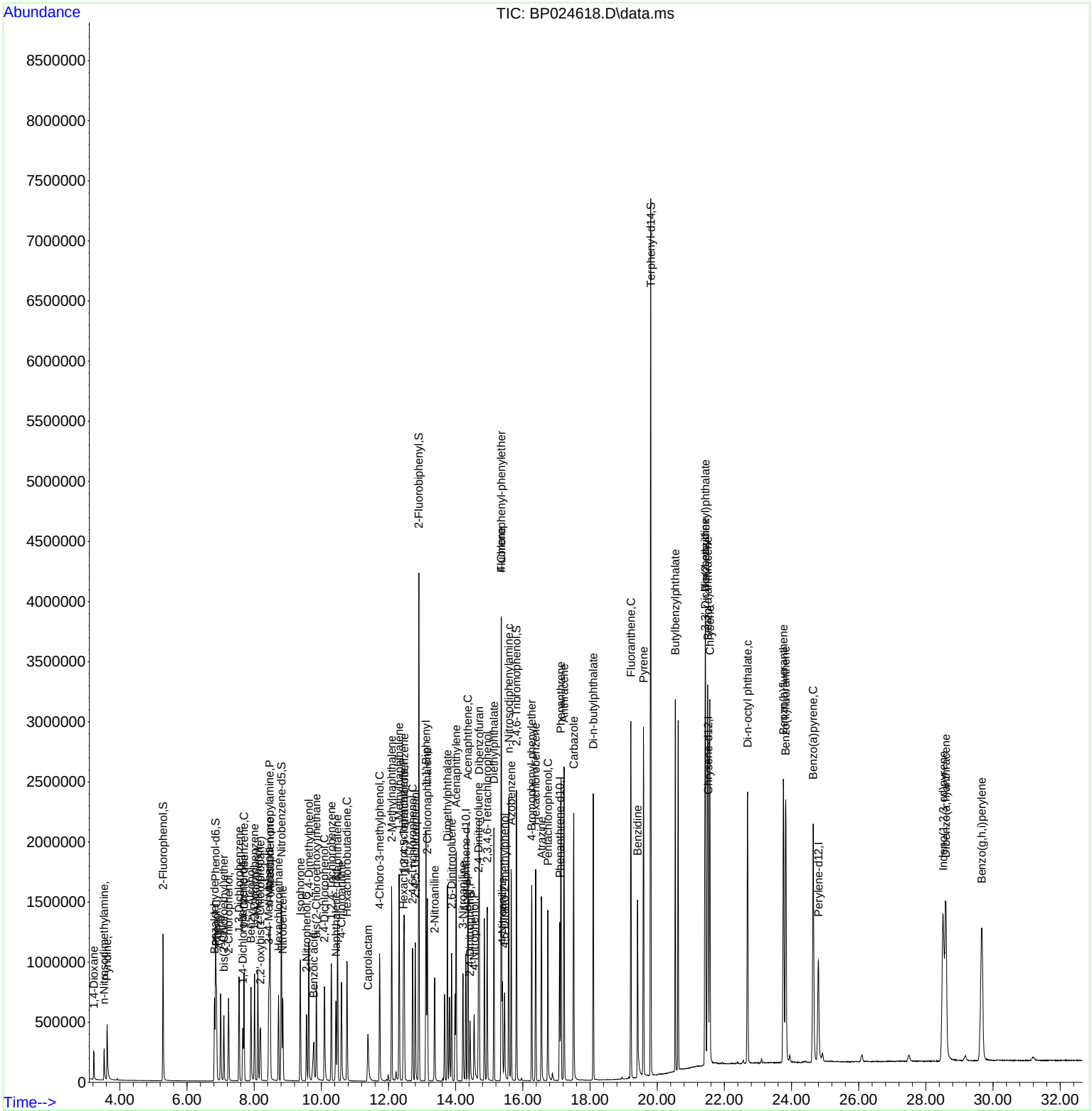
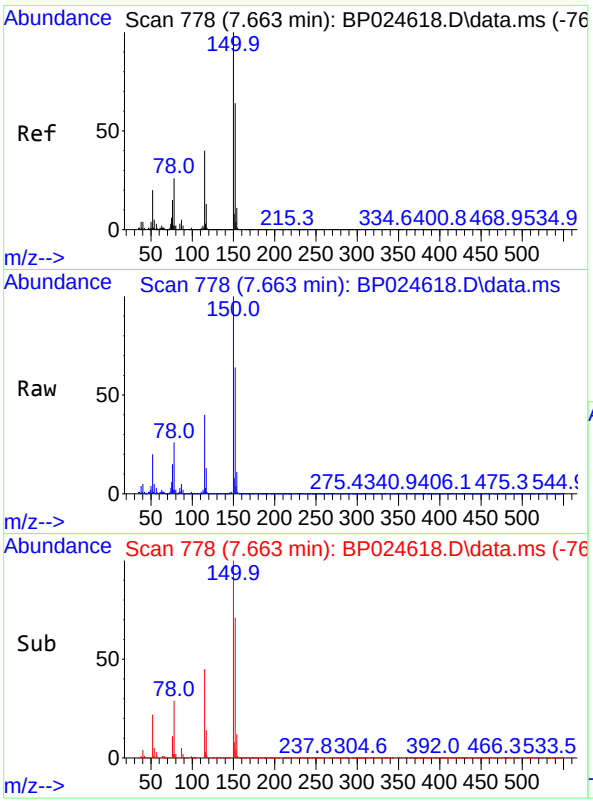
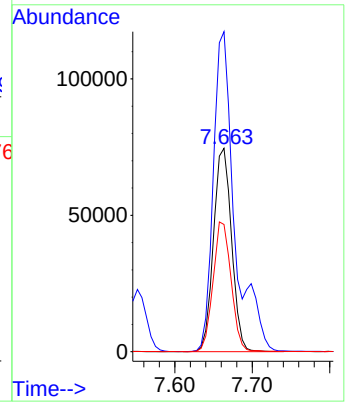





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:152 Resp: 12095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.4 | 125.9 | 188.9 |
| 115 | 62.6 | 50.1 | 75.1 |

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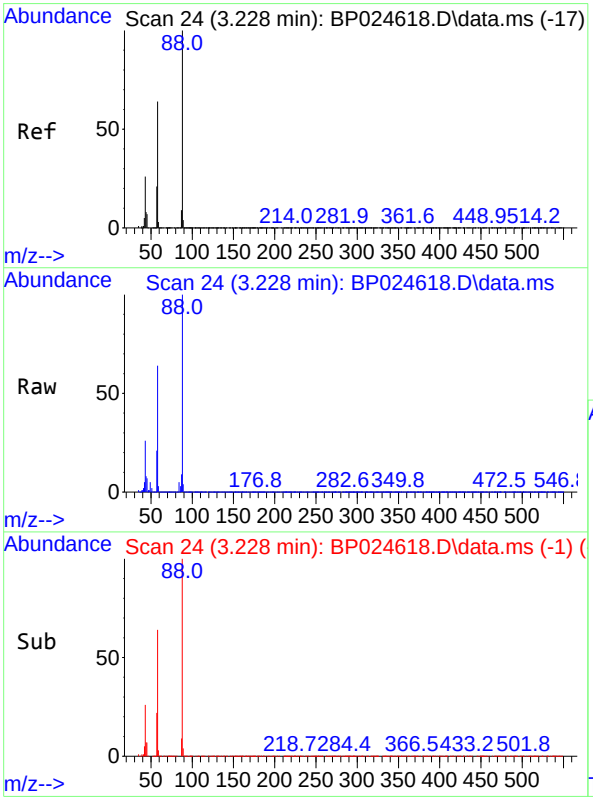
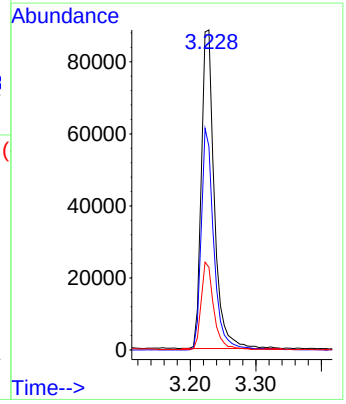
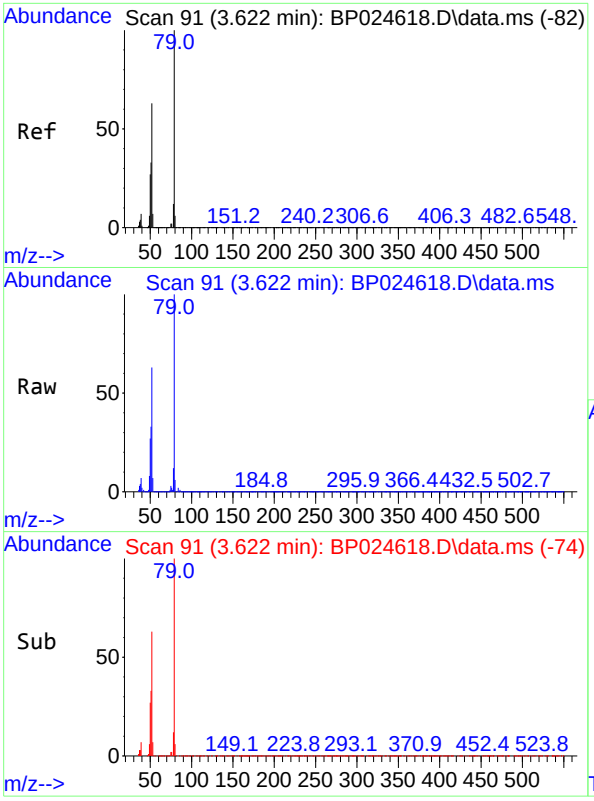



#2
1,4-Dioxane
Concen: 36.79 ng
RT: 3.228 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 88 Resp: 122181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 67.5 | 54.0 | 81.0 |
| 43 | 26.7 | 21.4 | 32.0 |

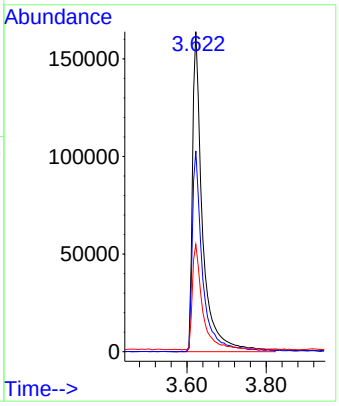





#3
Pyridine
Concen: 39.36 ng
RT: 3.622 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 79 Resp: 28980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 62.7 | 50.2 | 75.2 |
| 51 | 33.5 | 26.8 | 40.2 |

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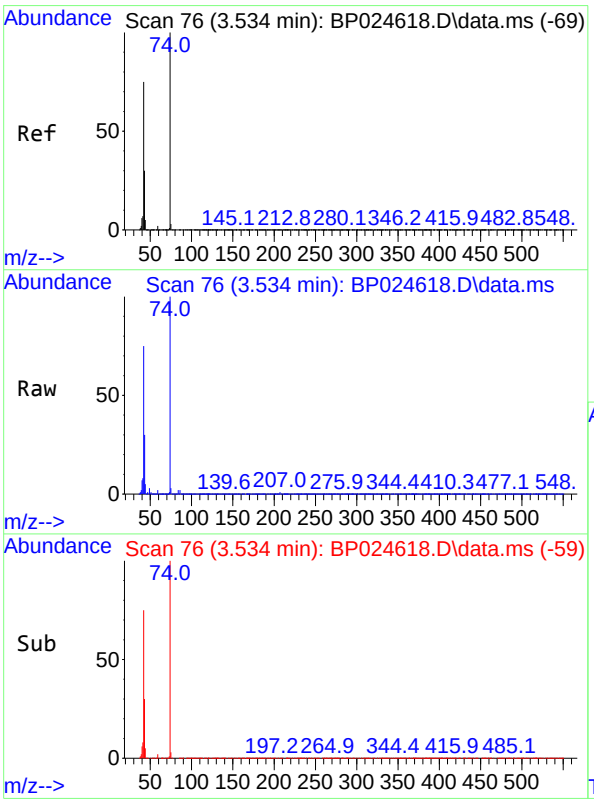
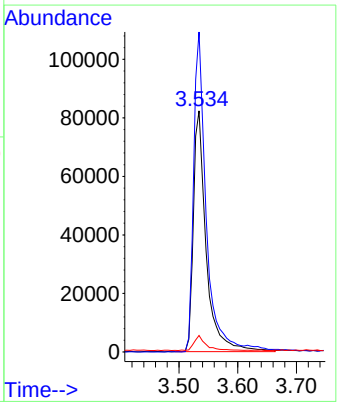
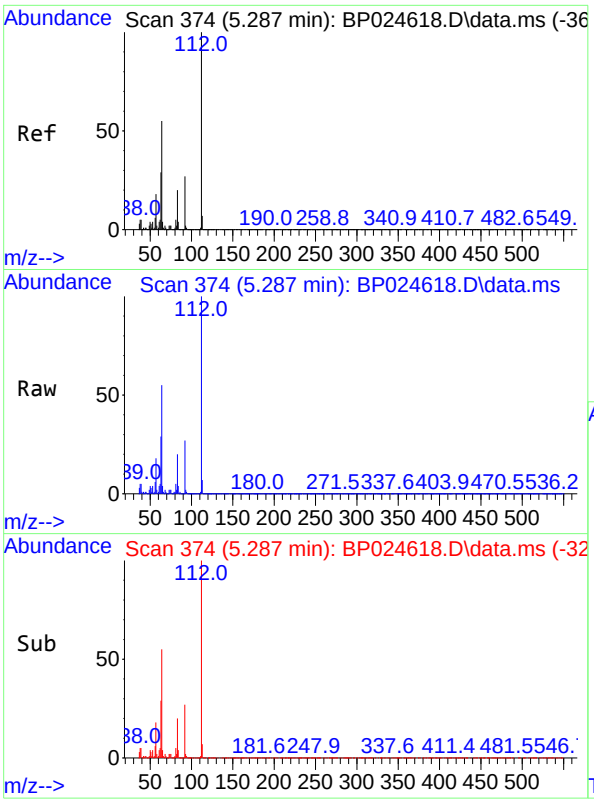



#4
n-Nitrosodimethylamine
Concen: 38.48 ng
RT: 3.534 min Scan# 76
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 42 Resp: 125087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 132.7 | 106.2 | 159.2 |
| 44 | 6.8 | 5.4 | 8.2 |

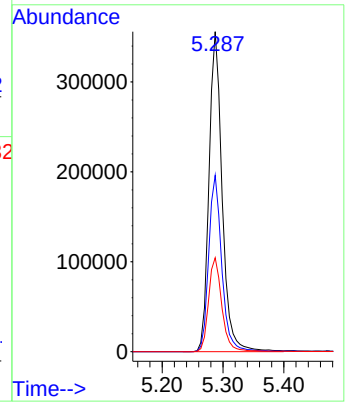





#5
2-Fluorophenol
Concen: 75.58 ng
RT: 5.287 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:112 Resp: 53447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 55.1 | 44.1 | 66.1 |
| 63 | 29.4 | 23.5 | 35.3 |

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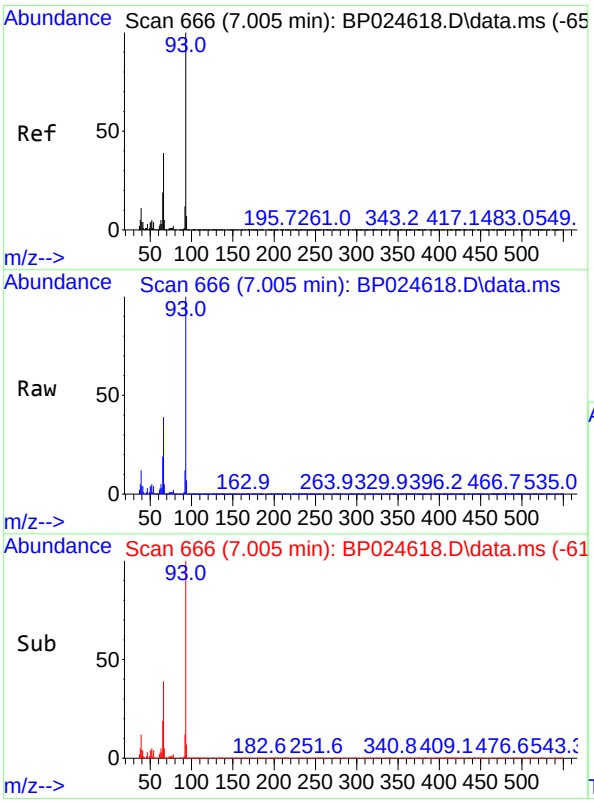
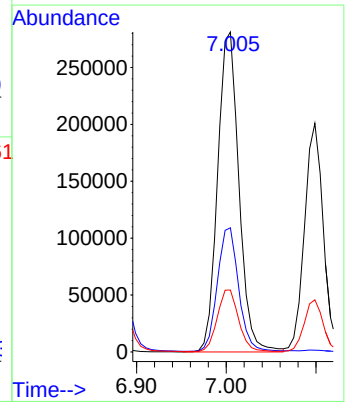
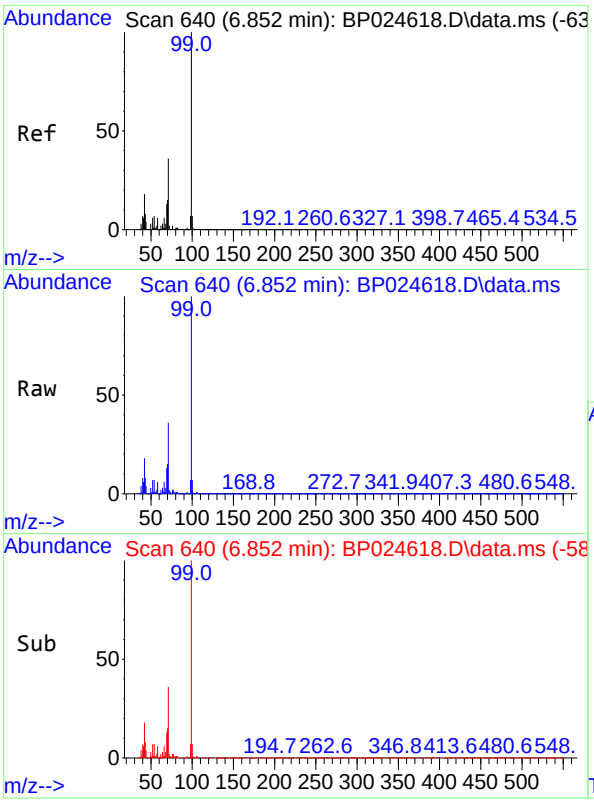



#6
Aniline
Concen: 39.79 ng
RT: 7.005 min Scan# 666
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 93 Resp: 463675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 38.8 | 31.0 | 46.6 |
| 65 | 19.4 | 15.5 | 23.3 |

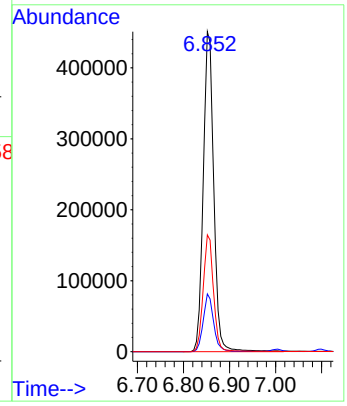





#7
Phenol-d6
Concen: 78.93 ng
RT: 6.852 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 99 Resp: 71234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.0 | 14.4 | 21.6 |
| 71 | 36.5 | 29.2 | 43.8 |

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**ClientSampleId :**
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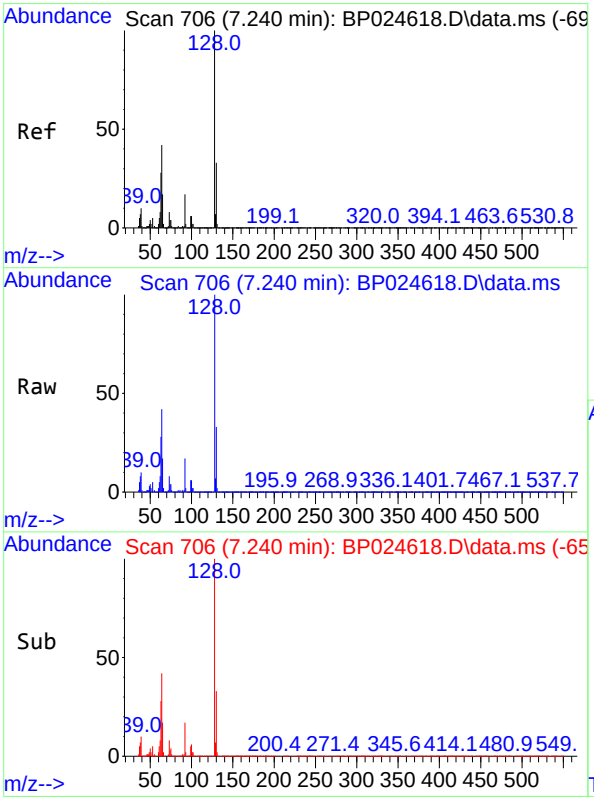
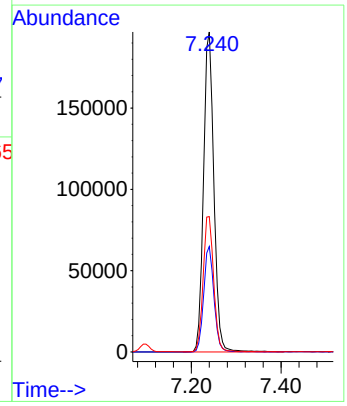
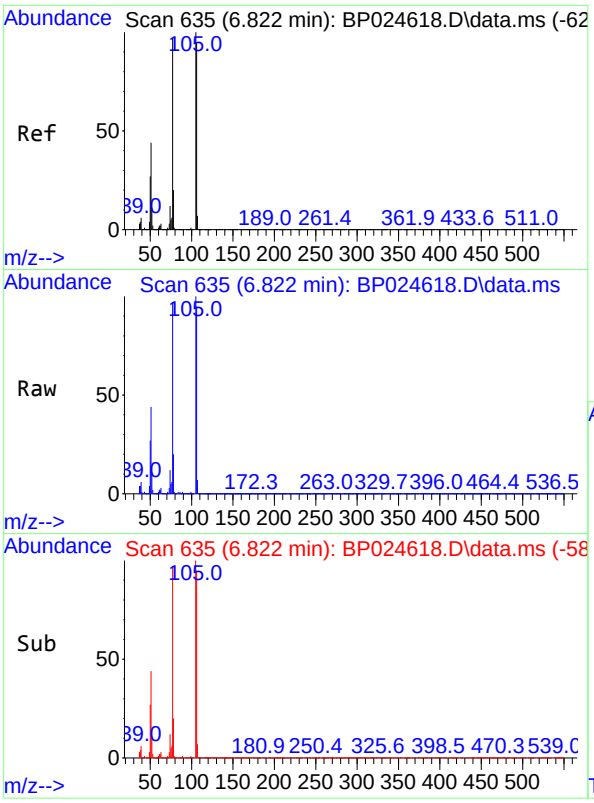



#8
2-Chlorophenol
Concen: 39.25 ng
RT: 7.240 min Scan# 706
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:128 Resp: 315079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.0 | 13.0 | 53.0 |
| 64 | 42.3 | 22.3 | 62.3 |

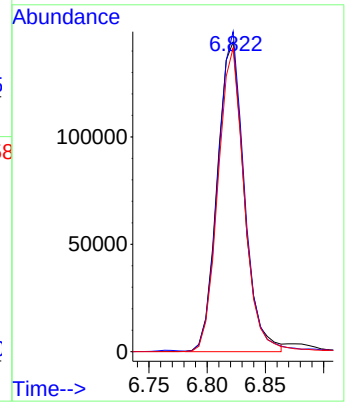





#9
Benzaldehyde
Concen: 39.62 ng m
RT: 6.822 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 77 Resp: 23107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 103.3 | 83.3 | 123.3 |
| 106 | 98.0 | 78.0 | 118.0 |

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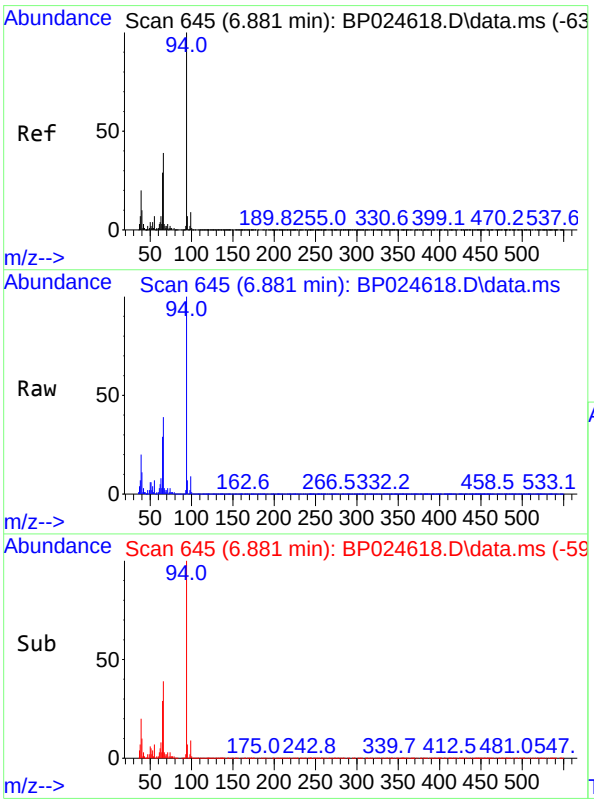
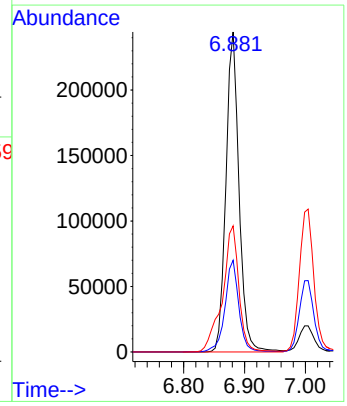
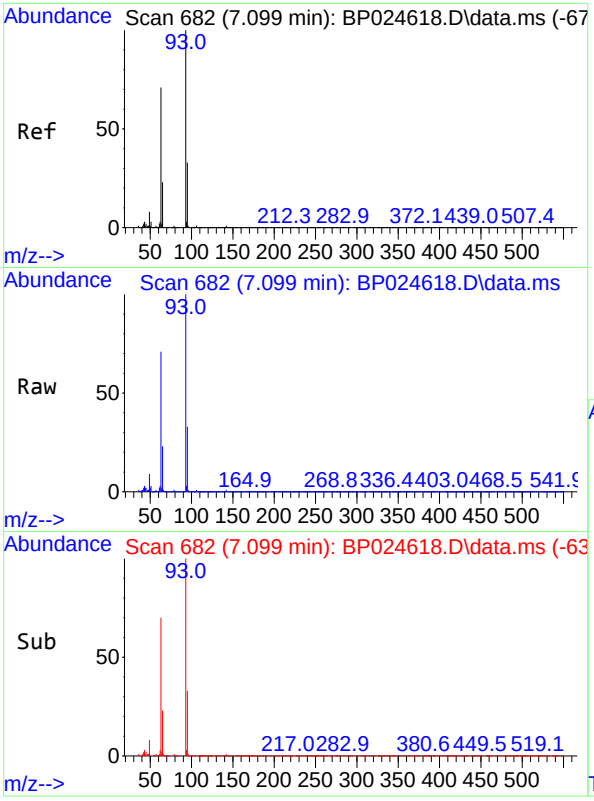



#10
Phenol
Concen: 39.18 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 94 Resp: 364948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.7 | 8.7 | 48.7 |
| 66 | 39.4 | 19.4 | 59.4 |

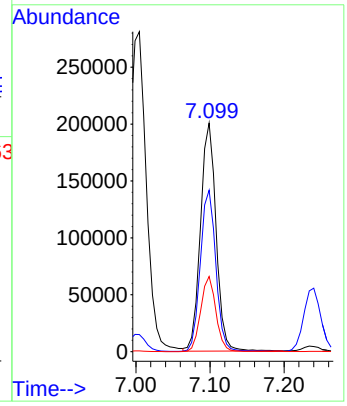





#11
bis(2-Chloroethyl)ether
Concen: 38.32 ng
RT: 7.099 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 93 Resp: 29333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 70.6 | 50.6 | 90.6 |
| 95 | 32.9 | 12.9 | 52.9 |

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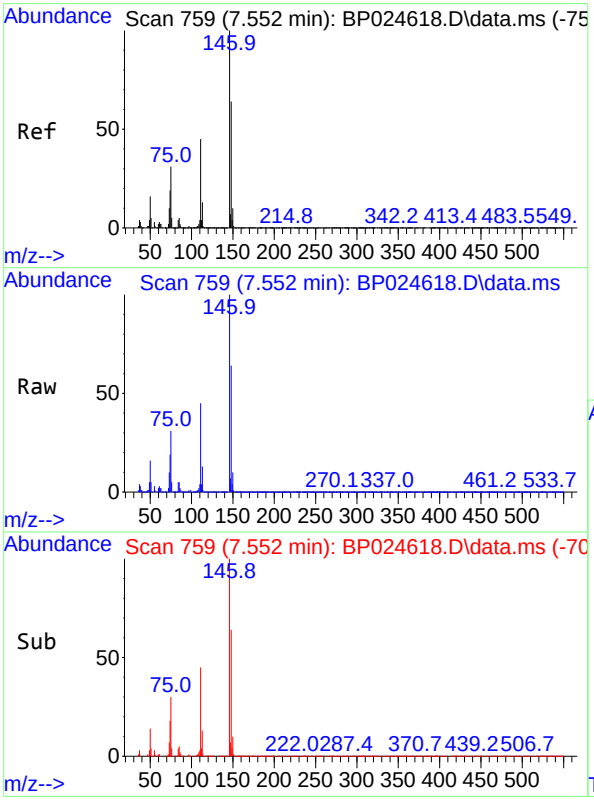
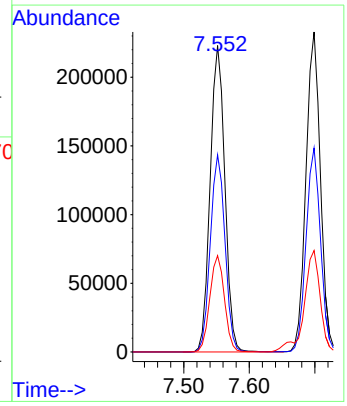
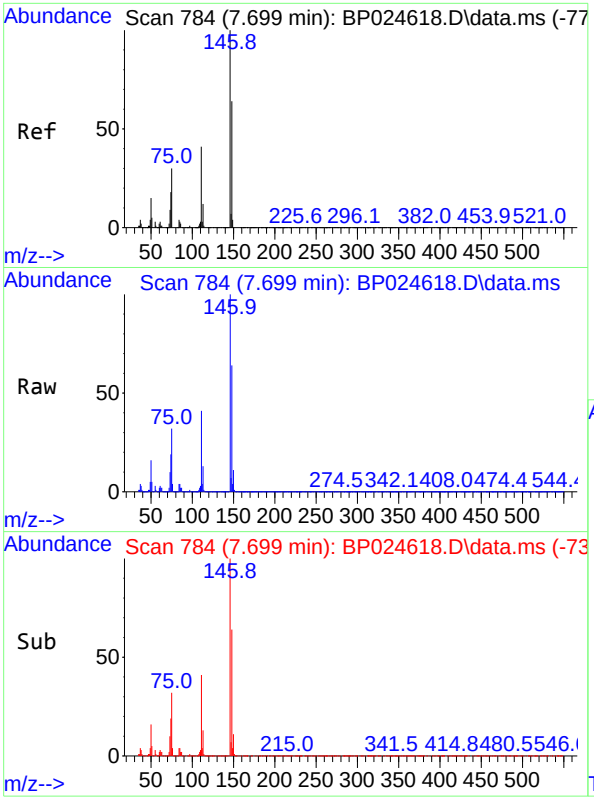



#12
1,3-Dichlorobenzene
Concen: 37.71 ng
RT: 7.552 min Scan# 759
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:146 Resp: 348242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.3 | 51.4 | 77.2 |
| 75 | 31.5 | 25.2 | 37.8 |

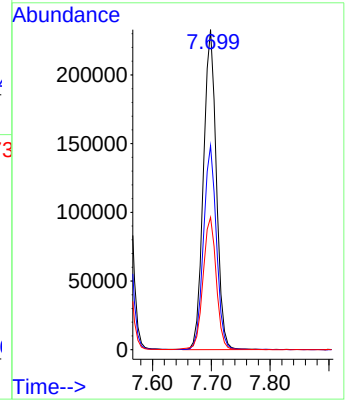





#13
1,4-Dichlorobenzene
Concen: 38.27 ng
RT: 7.699 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:146 Resp: 35553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 51.0 | 76.6 |
| 111 | 41.3 | 33.0 | 49.6 |

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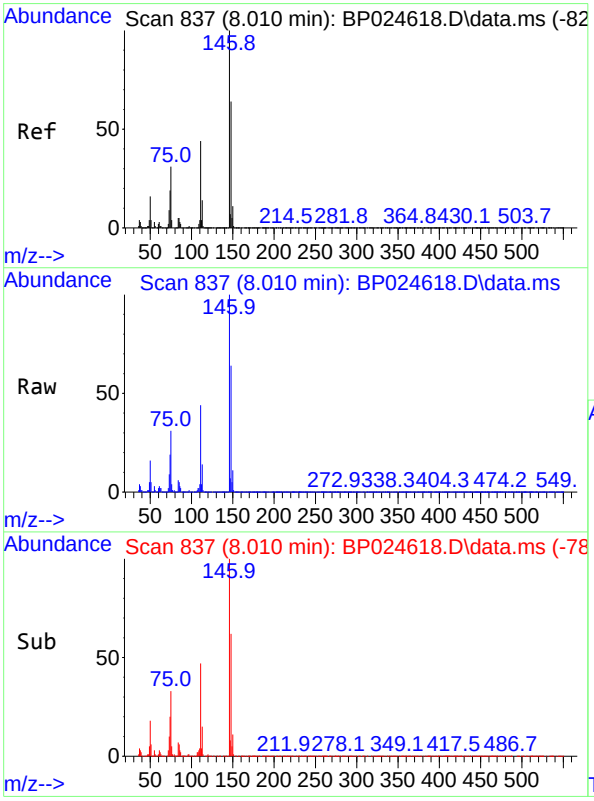
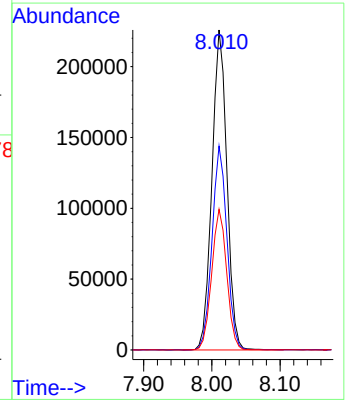
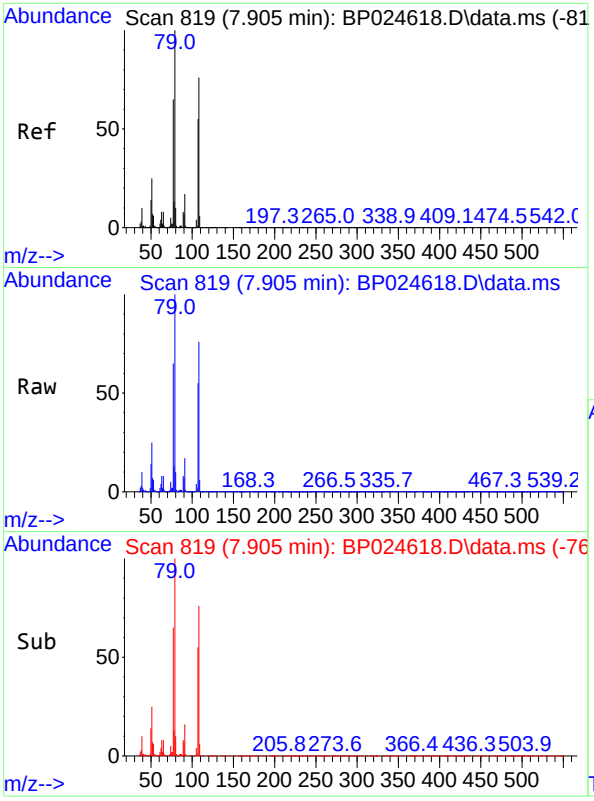



#14
1,2-Dichlorobenzene
Concen: 38.11 ng
RT: 8.010 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:146 Resp: 344980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.7 | 51.0 | 76.4 |
| 111 | 44.0 | 35.2 | 52.8 |






#15
Benzyl Alcohol
Concen: 40.52 ng
RT: 7.905 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 79 Resp: 27789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.0 | 60.8 | 91.2 |
| 77 | 64.9 | 51.9 | 77.9 |

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

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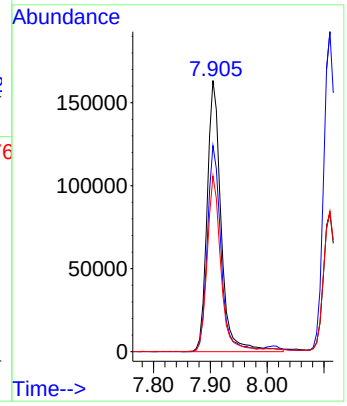
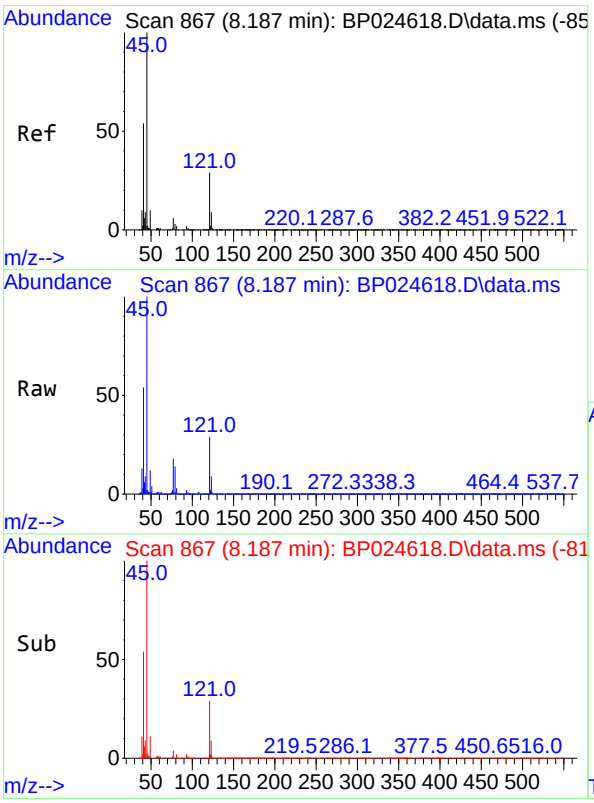
Supervised By :Jagrut Upadhyay 05/14/2025

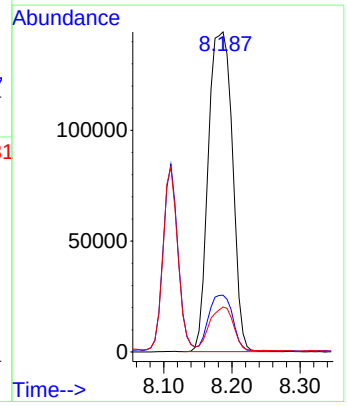


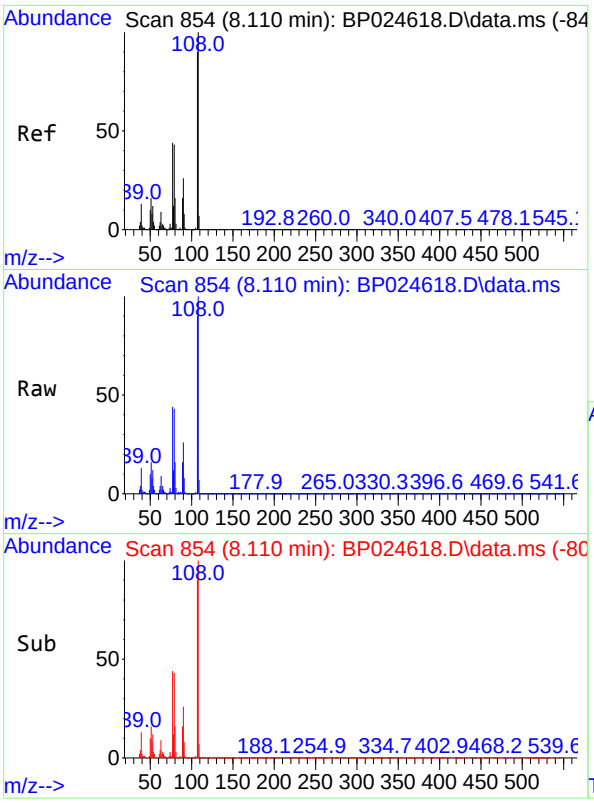




#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.71 ng
RT: 8.187 min Scan# 867
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 45 Resp: 354872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 17.7 | 0.0 | 37.7 |
| 79 | 14.0 | 0.0 | 34.0 |

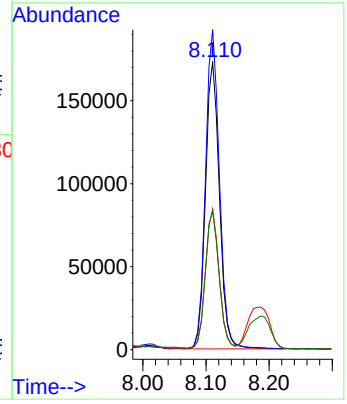





#17
2-Methylphenol
Concen: 39.81 ng
RT: 8.110 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:107 Resp: 26596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.1 | 88.9 | 133.3 |
| 77 | 48.8 | 39.0 | 58.6 |
| 79 | 48.0 | 38.4 | 57.6 |

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BNA_P
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SSTDICCC040

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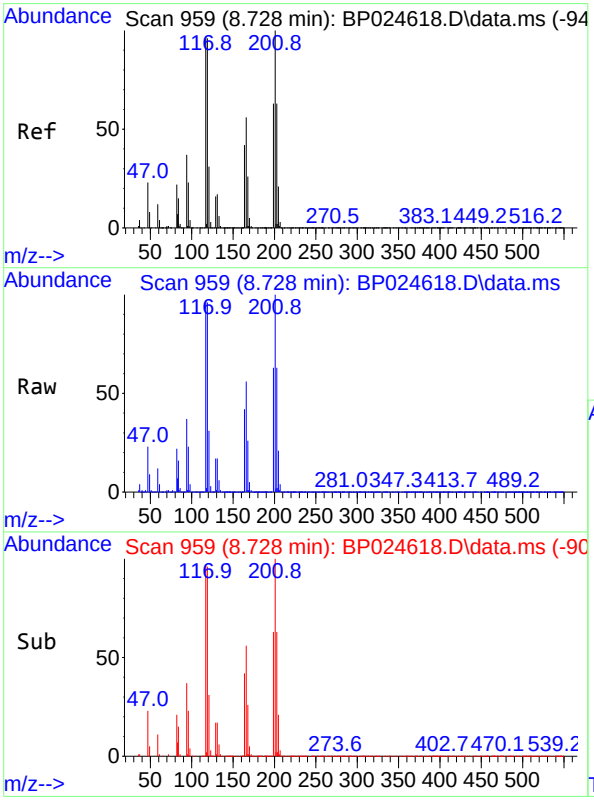
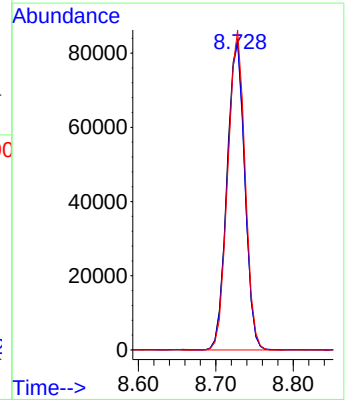
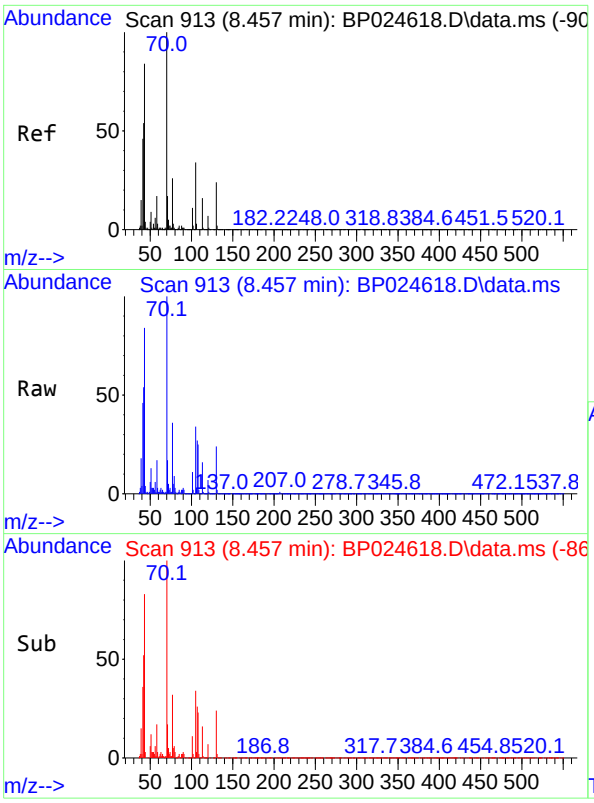



#18
Hexachloroethane
Concen: 37.43 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:117 Resp: 133224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 99.2 | 79.4 | 119.0 |
| 201 | 103.4 | 82.7 | 124.1 |

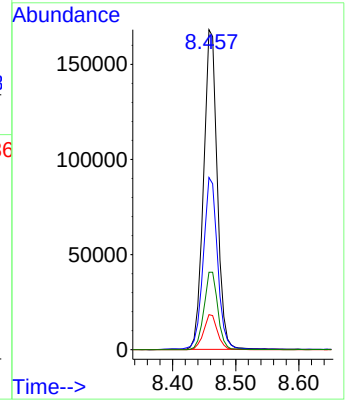





#19
n-Nitroso-di-n-propylamine
Concen: 40.61 ng
RT: 8.457 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 70 Resp: 25355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 53.8 | 43.0 | 64.6 |
| 101 | 10.9 | 8.7 | 13.1 |
| 130 | 24.2 | 19.4 | 29.0 |




**Instrument :**
BNA_P
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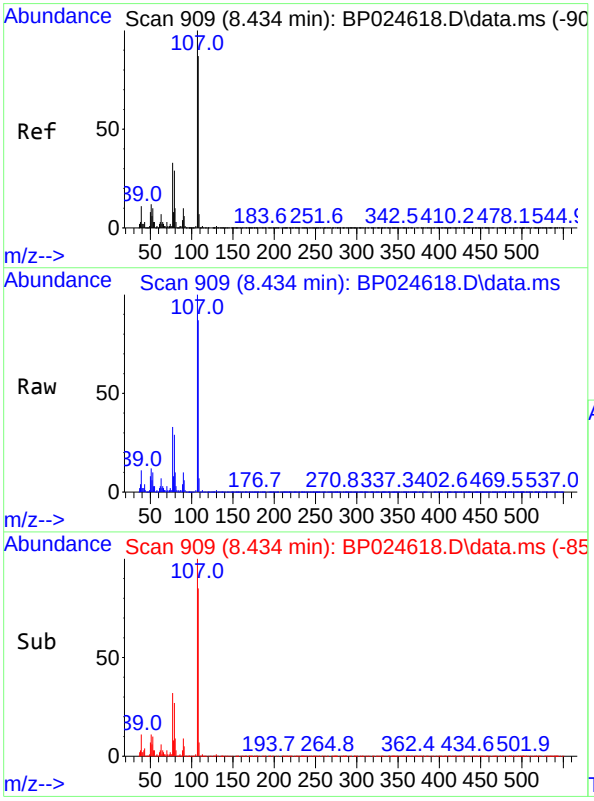
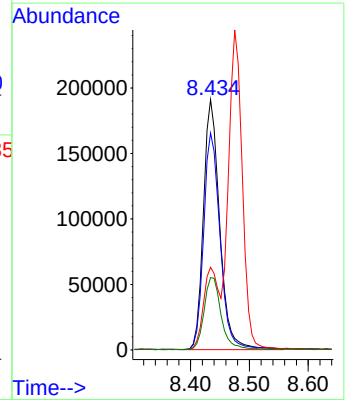
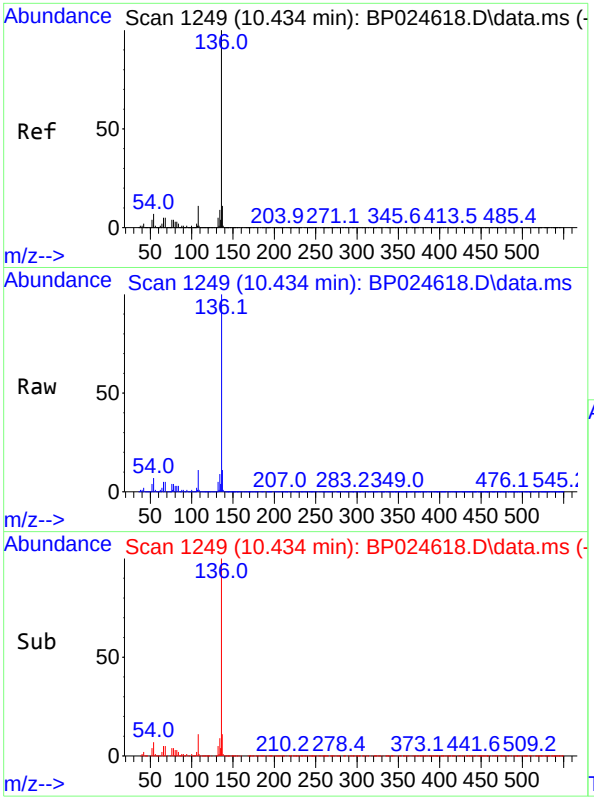



#20
3+4-Methylphenols
Concen: 40.33 ng
RT: 8.434 min Scan# 909
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:107 Resp: 366564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 86.7 | 66.7 | 106.7 |
| 77 | 33.1 | 13.1 | 53.1 |
| 79 | 28.9 | 8.9 | 48.9 |

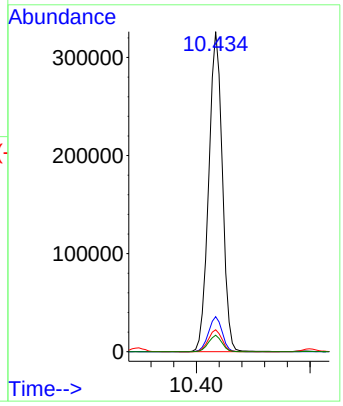





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:136 Resp: 54045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.8 | 13.2 |
| 54 | 6.9 | 5.5 | 8.3 |
| 68 | 5.2 | 4.2 | 6.2 |




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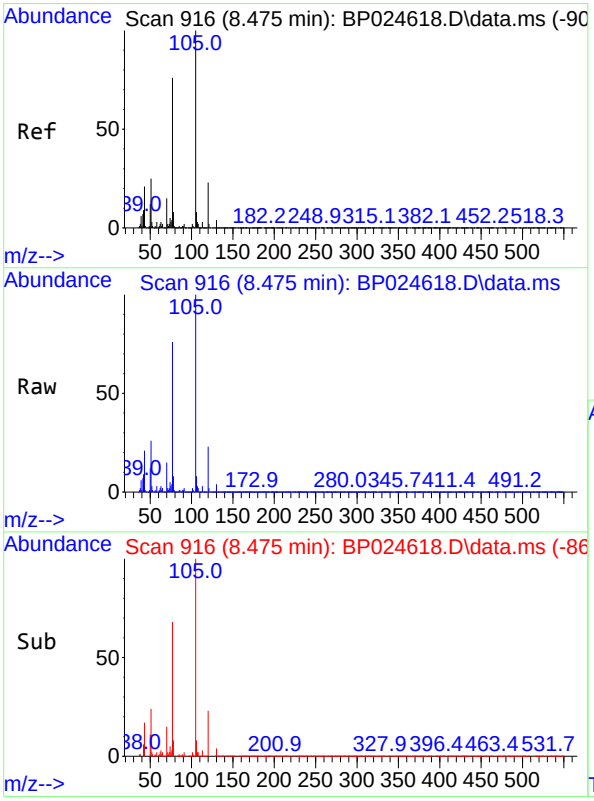
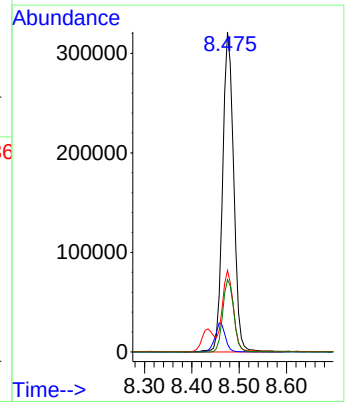
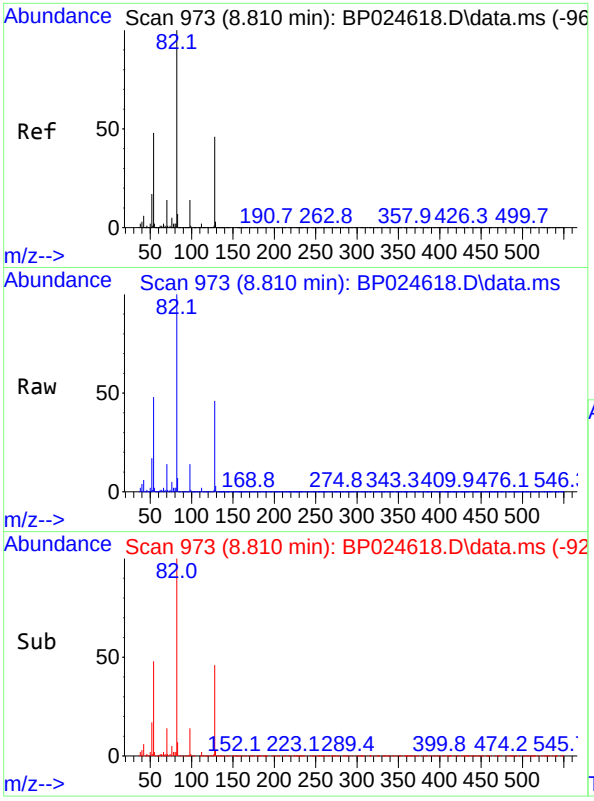



#22
Acetophenone
Concen: 38.64 ng
RT: 8.475 min Scan# 916
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:105 Resp: 521603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 2.5 | 2.0 | 3.0 |
| 51 | 25.5 | 20.4 | 30.6 |
| 120 | 22.6 | 18.1 | 27.1 |

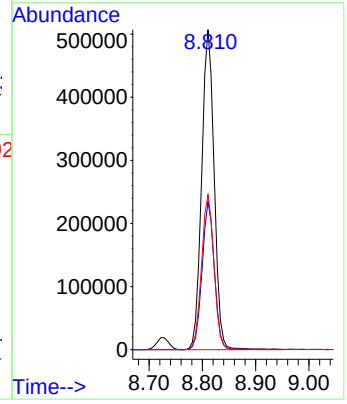





#23
Nitrobenzene-d5
Concen: 77.28 ng
RT: 8.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 82 Resp: 82656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.2 | 37.0 | 55.4 |
| 54 | 48.4 | 38.7 | 58.1 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

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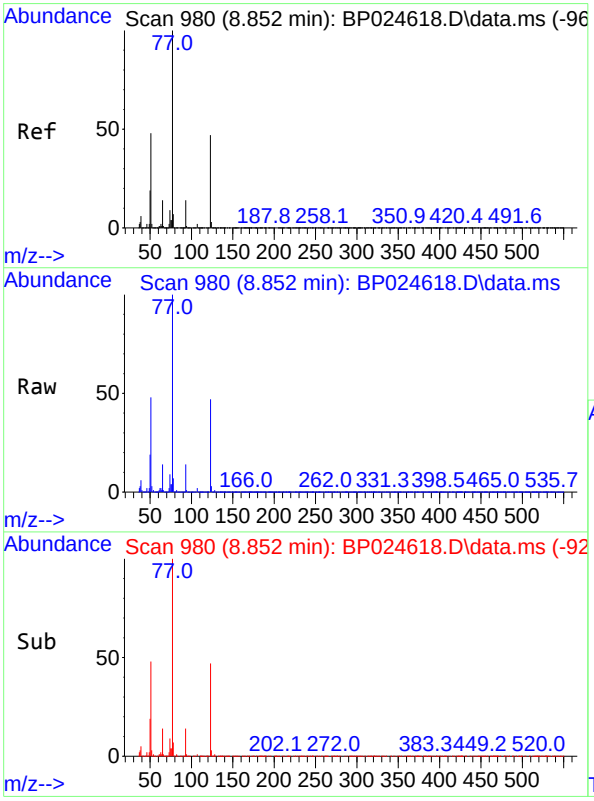
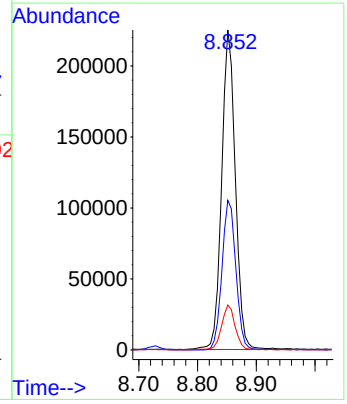
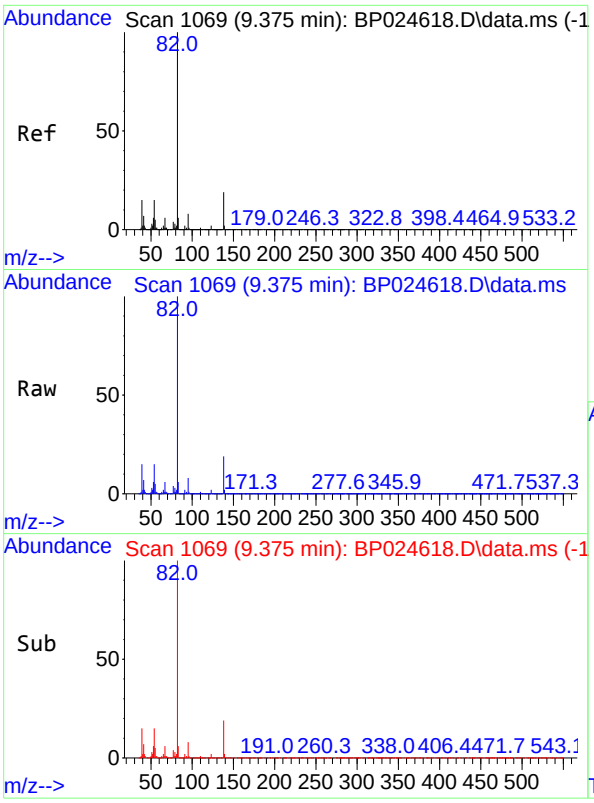



#24
Nitrobenzene
Concen: 38.65 ng
RT: 8.852 min Scan# 980
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 77 Resp: 363767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.7 | 37.4 | 56.0 |
| 65 | 14.1 | 11.3 | 16.9 |

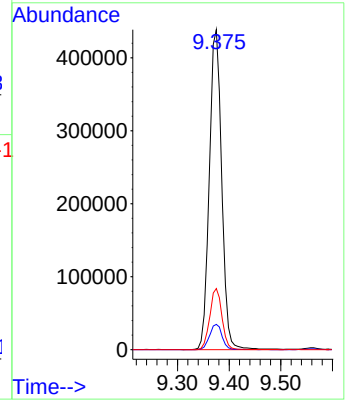





#25
Isophorone
Concen: 39.19 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 82 Resp: 72708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.9 | 6.3 | 9.5 |
| 138 | 19.1 | 15.3 | 22.9 |




**Instrument :**
BNA_P
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SSTDICCC040

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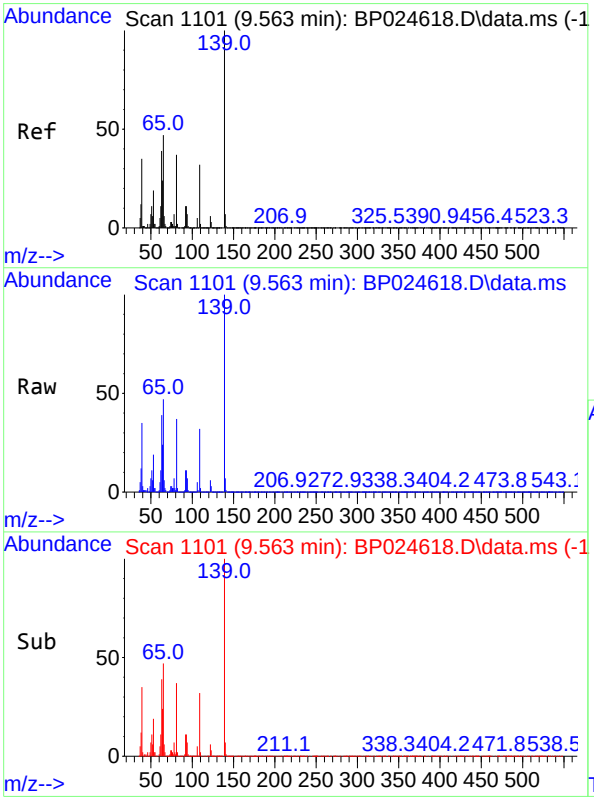
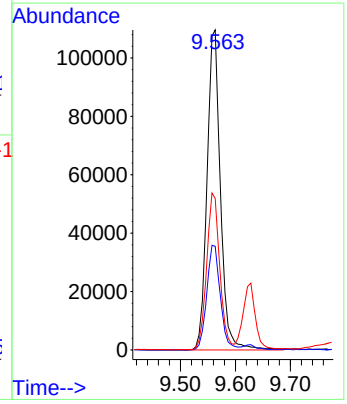
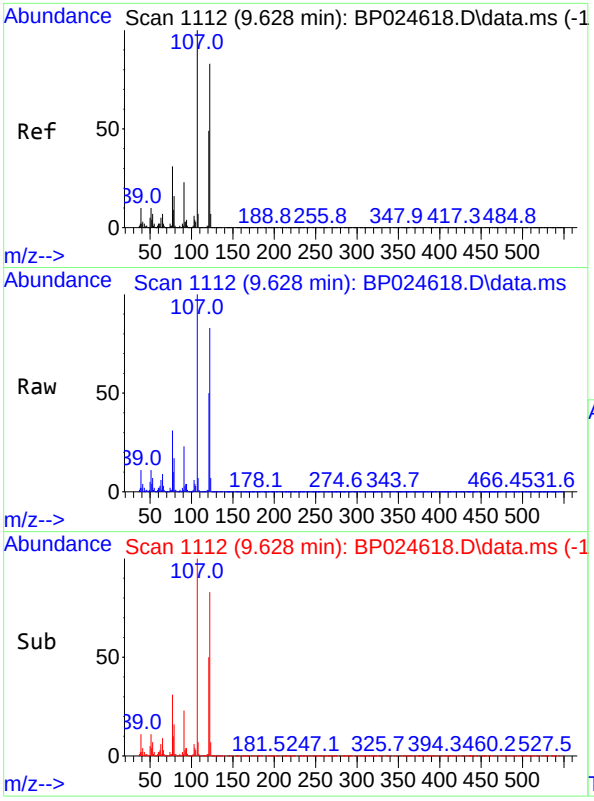



#26
2-Nitrophenol
Concen: 40.24 ng
RT: 9.563 min Scan# 1101
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:139 Resp: 185587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.4 | 25.9 | 38.9 |
| 65 | 47.4 | 37.9 | 56.9 |






#27
2,4-Dimethylphenol
Concen: 39.62 ng
RT: 9.628 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:122 Resp: 32222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 120.2 | 96.2 | 144.2 |
| 121 | 59.5 | 47.6 | 71.4 |

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

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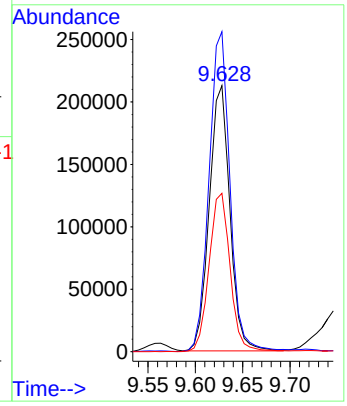
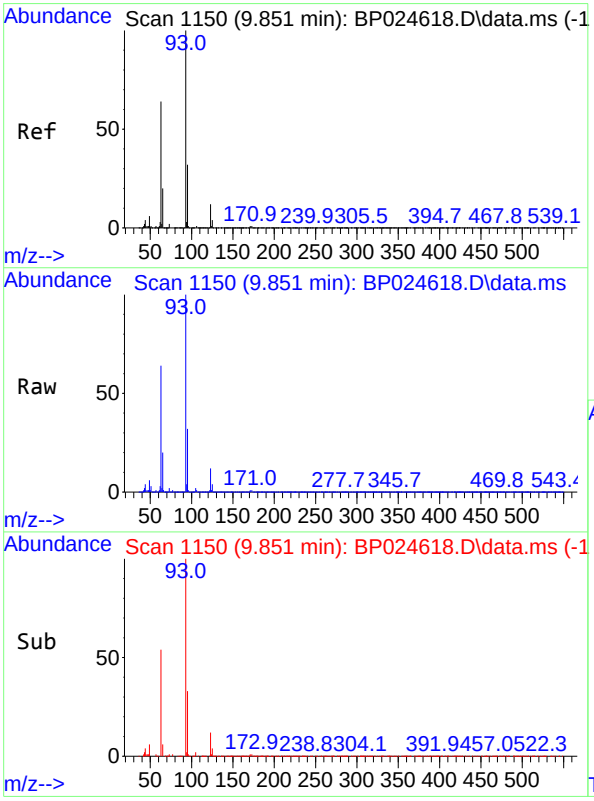
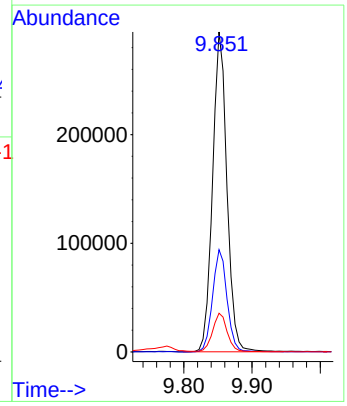


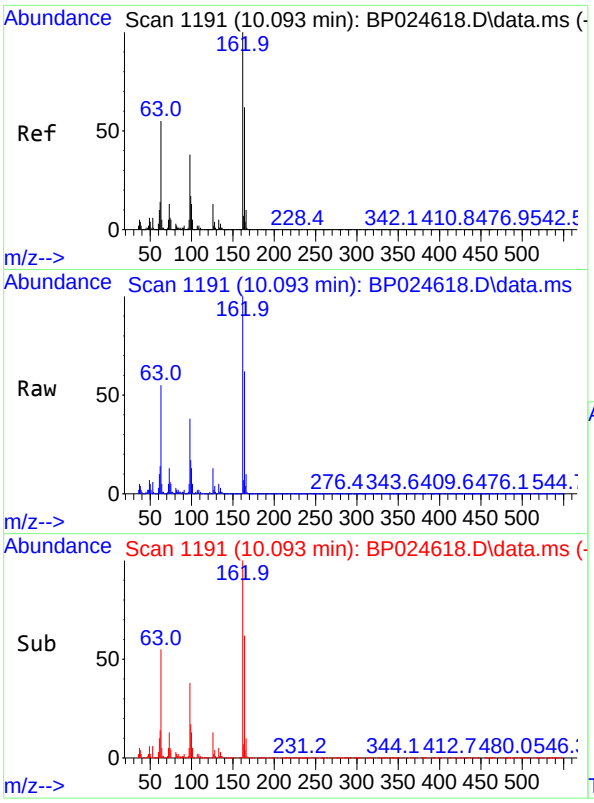




#28
bis(2-Chloroethoxy)methane
Concen: 38.88 ng
RT: 9.851 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 93 Resp: 430958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 31.9 | 25.5 | 38.3 |
| 123 | 12.1 | 9.7 | 14.5 |

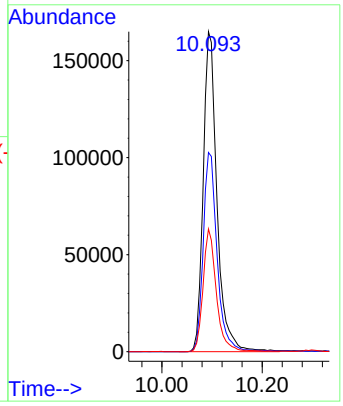





#29
2,4-Dichlorophenol
Concen: 39.95 ng
RT: 10.093 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:162 Resp: 31483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 62.3 | 42.3 | 82.3 |
| 98 | 38.4 | 18.4 | 58.4 |




**Instrument :**
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**ClientSampleId :**
SSTDICCC040

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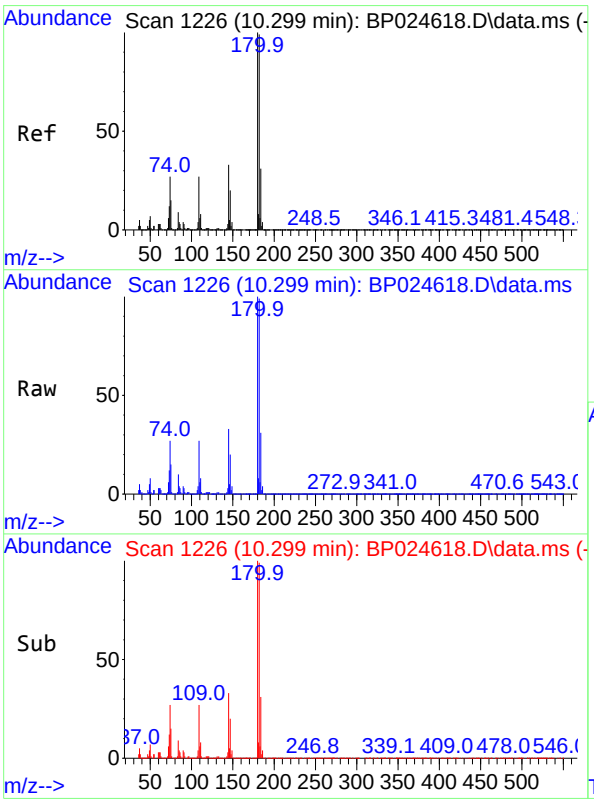
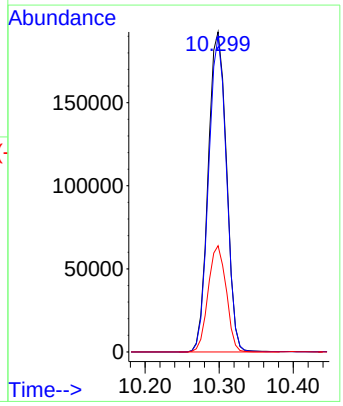
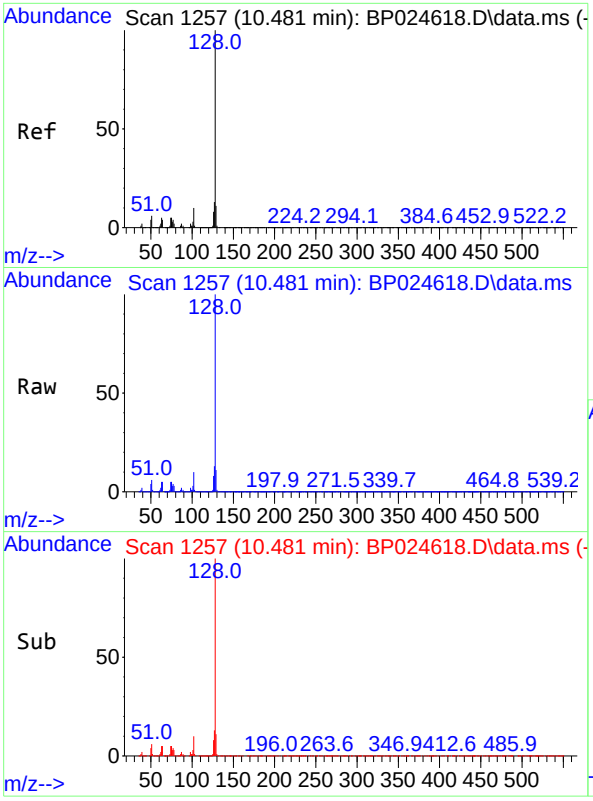



#30
1,2,4-Trichlorobenzene
Concen: 37.23 ng
RT: 10.299 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:180 Resp: 330659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 98.7 | 79.0 | 118.4 |
| 145 | 33.2 | 26.6 | 39.8 |

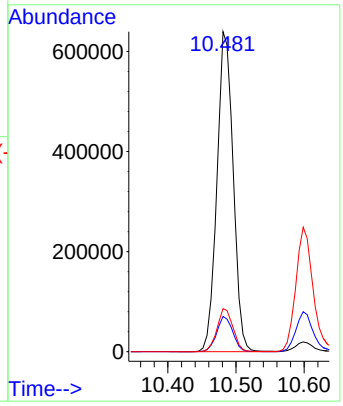





#31
Naphthalene
Concen: 37.82 ng
RT: 10.481 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:128 Resp: 105931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.8 | 13.2 |
| 127 | 13.4 | 10.7 | 16.1 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

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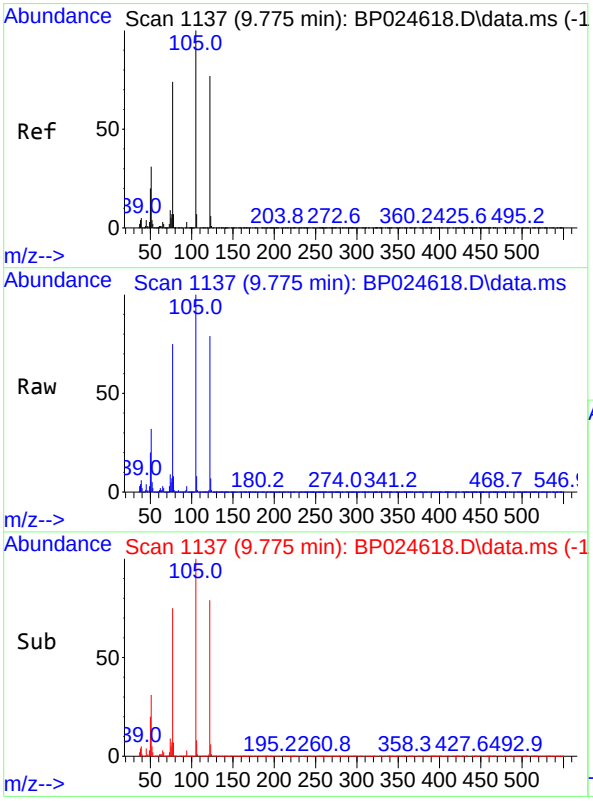
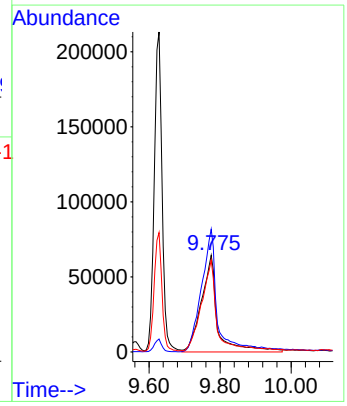
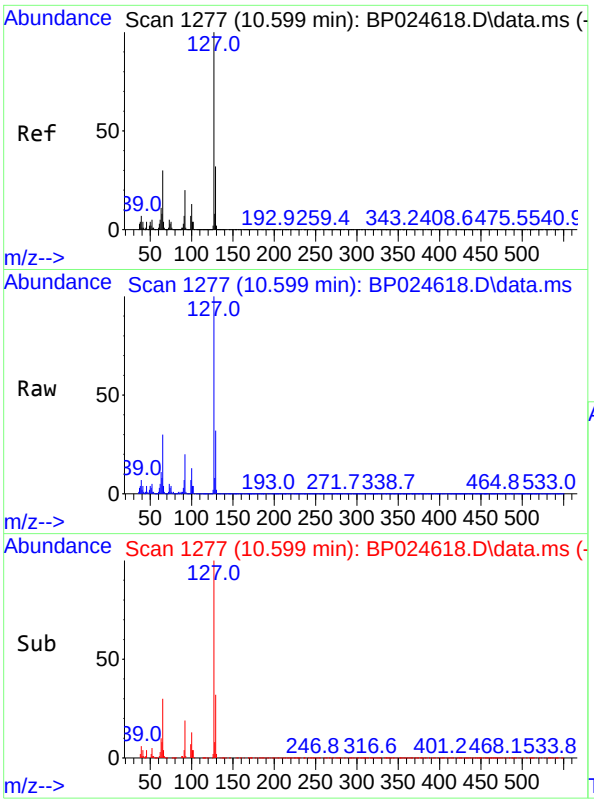



#32
Benzoic acid
Concen: 38.01 ng m
RT: 9.775 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:122 Resp: 206829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 126.9 | 106.9 | 146.9 |
| 77 | 95.1 | 75.1 | 115.1 |

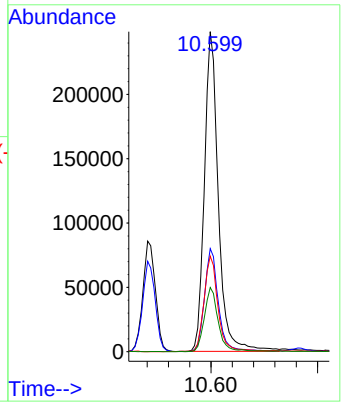





#33
4-Chloroaniline
Concen: 40.01 ng
RT: 10.599 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:127 Resp: 45215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.2 | 25.8 | 38.6 |
| 65 | 29.9 | 23.9 | 35.9 |
| 92 | 20.1 | 16.1 | 24.1 |




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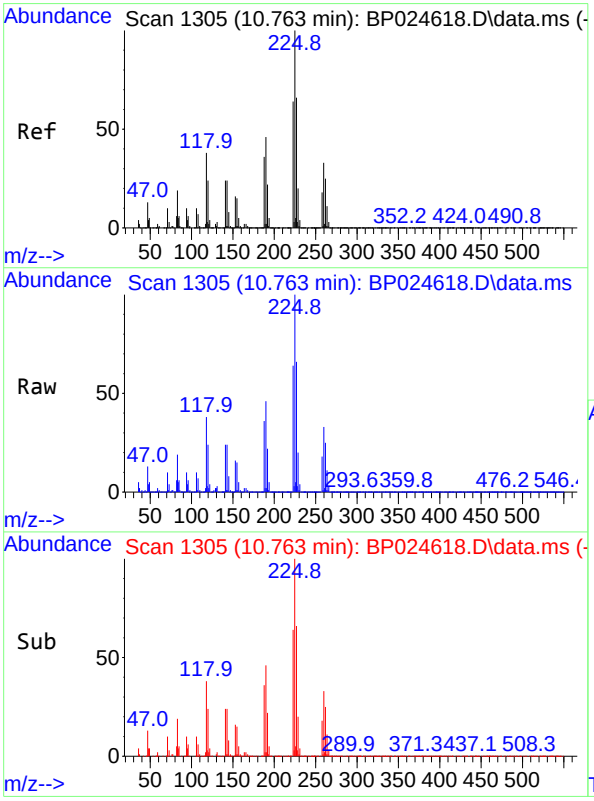
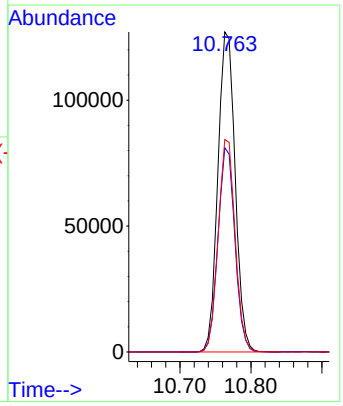
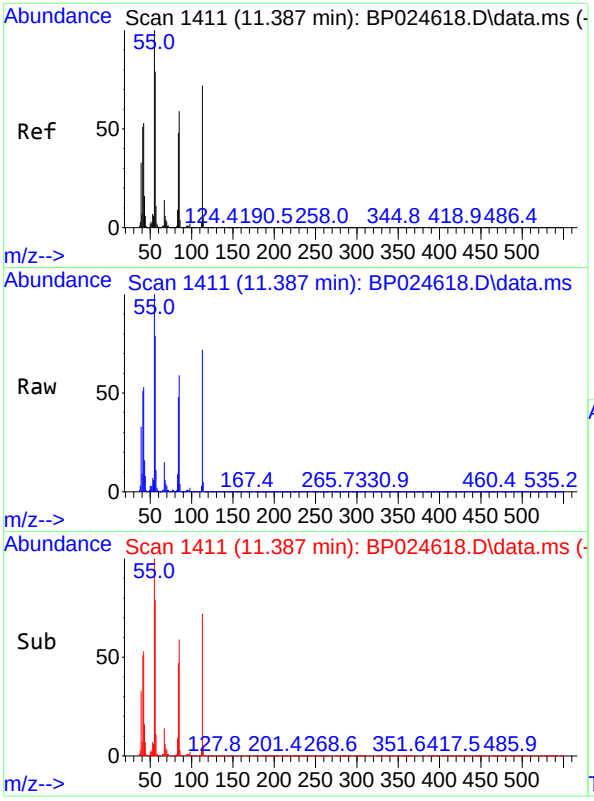



#34
Hexachlorobutadiene
Concen: 37.19 ng
RT: 10.763 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:225 Resp: 213978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.8 | 51.0 | 76.6 |
| 227 | 66.4 | 53.1 | 79.7 |

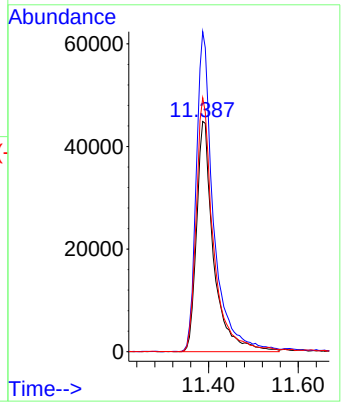





#35
Caprolactam
Concen: 41.43 ng
RT: 11.387 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:113 Resp: 11804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 139.0 | 119.0 | 159.0 |
| 56 | 110.3 | 90.3 | 130.3 |




**Instrument :**
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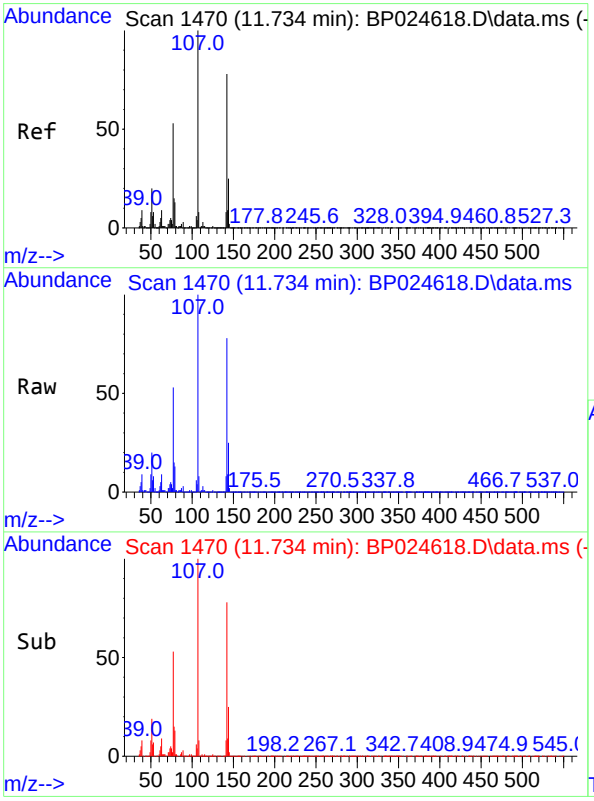
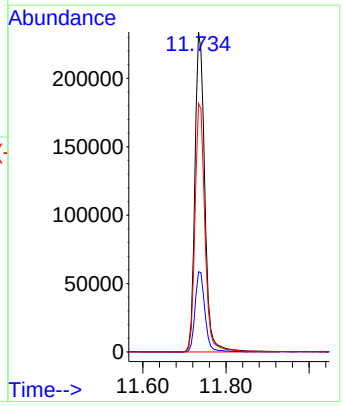
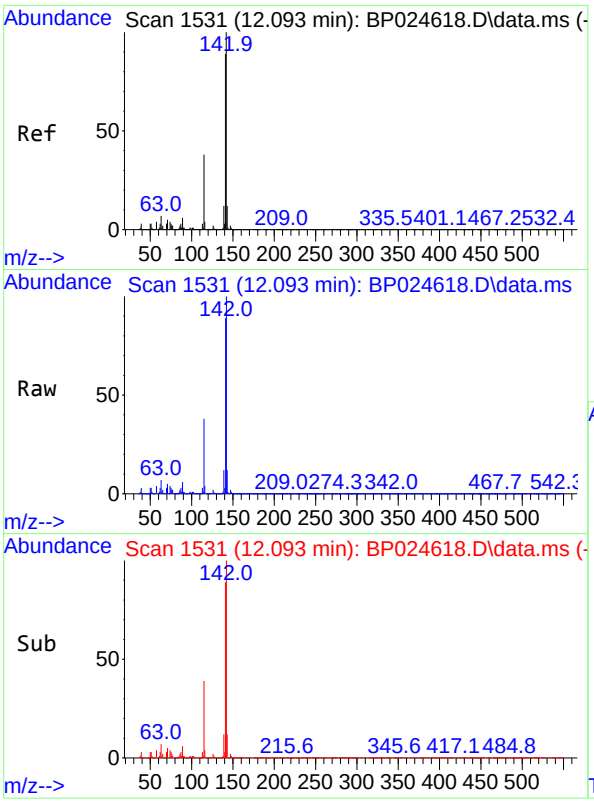



#36
4-Chloro-3-methylphenol
Concen: 40.07 ng
RT: 11.734 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:107 Resp: 385077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.1 | 20.1 | 30.1 |
| 142 | 77.6 | 62.1 | 93.1 |

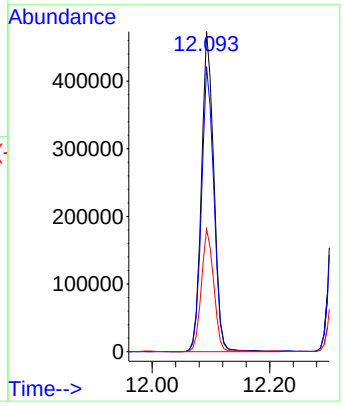





#37
2-Methylnaphthalene
Concen: 38.17 ng
RT: 12.093 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:142 Resp: 69213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.0 | 71.2 | 106.8 |
| 115 | 38.3 | 30.6 | 46.0 |




**Instrument :**
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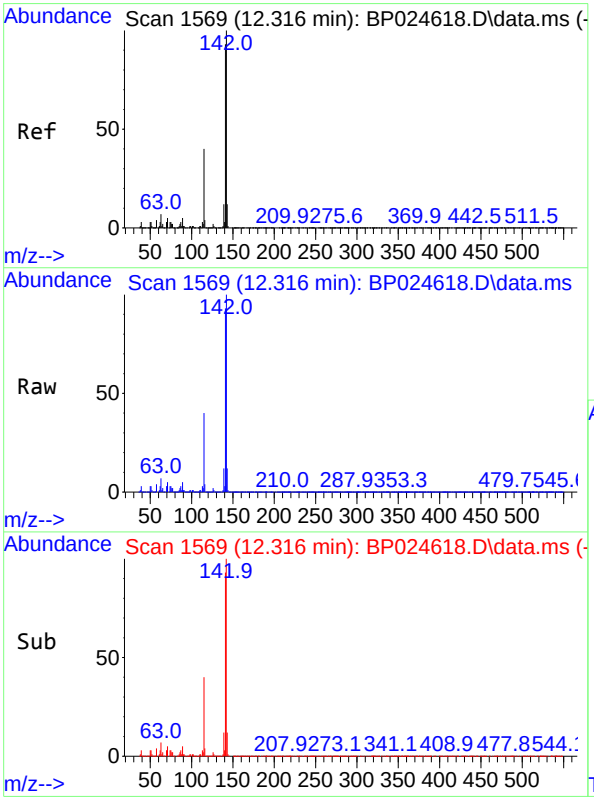
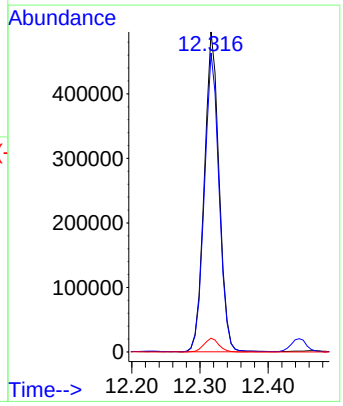
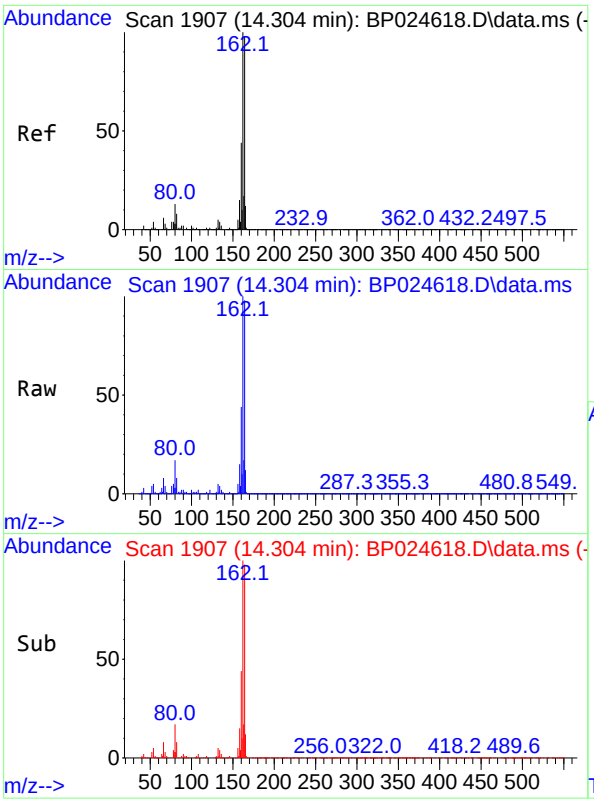



#38
1-Methylnaphthalene
Concen: 38.44 ng
RT: 12.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:142 Resp: 745849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.4 | 74.7 | 112.1 |
| 116 | 4.3 | 3.4 | 5.2 |

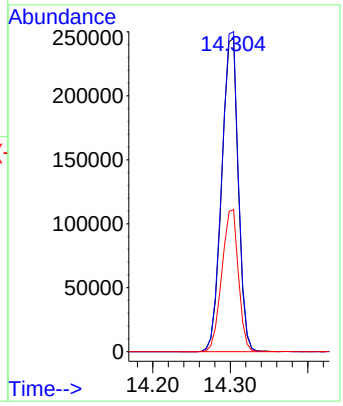





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:164 Resp: 36245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.2 | 81.8 | 122.6 |
| 160 | 45.4 | 36.3 | 54.5 |




**Instrument :**
BNA_P
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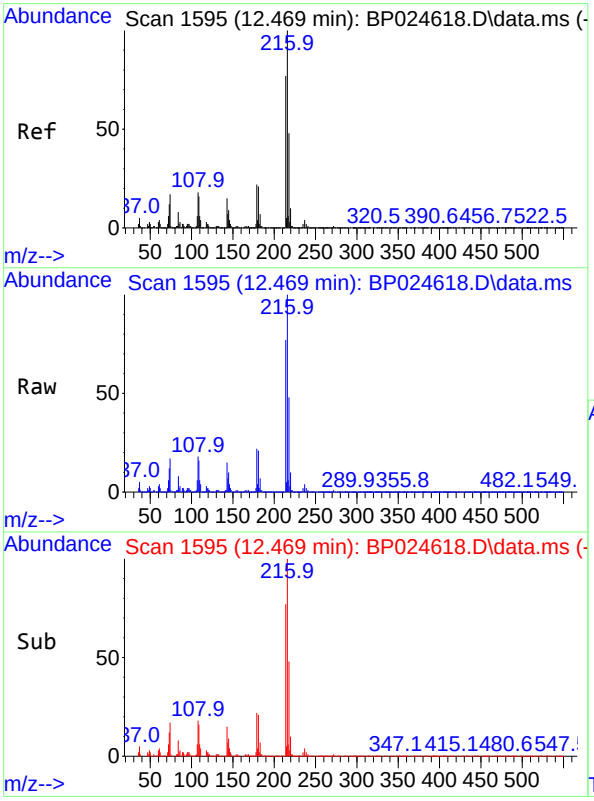
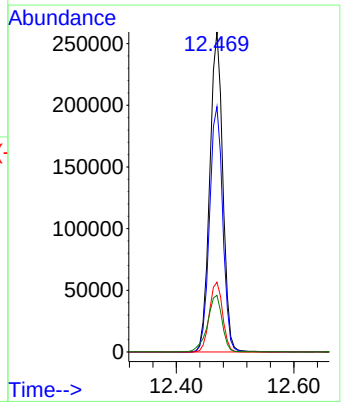
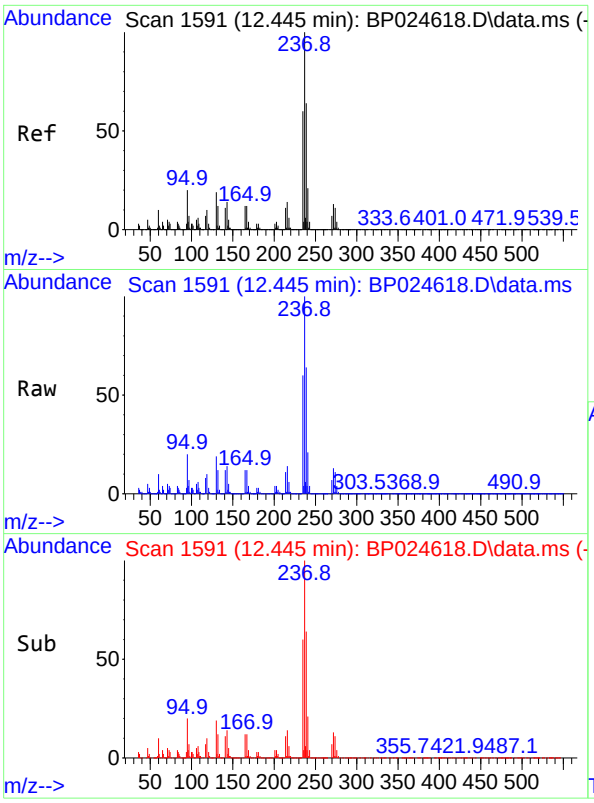



#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.84 ng
RT: 12.469 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:216 Resp: 398230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 77.9 | 62.3 | 93.5 |
| 179 | 22.1 | 17.7 | 26.5 |
| 108 | 20.0 | 16.0 | 24.0 |






#41
Hexachlorocyclopentadiene
Concen: 40.48 ng
RT: 12.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:237 Resp: 25832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 59.9 | 39.9 | 79.9 |
| 272 | 13.2 | 0.0 | 33.2 |

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

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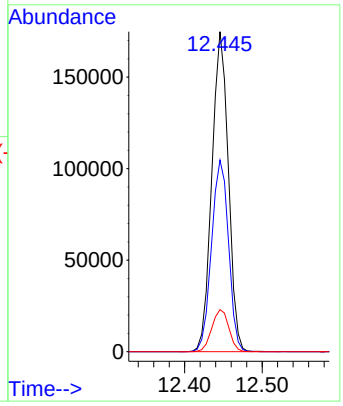
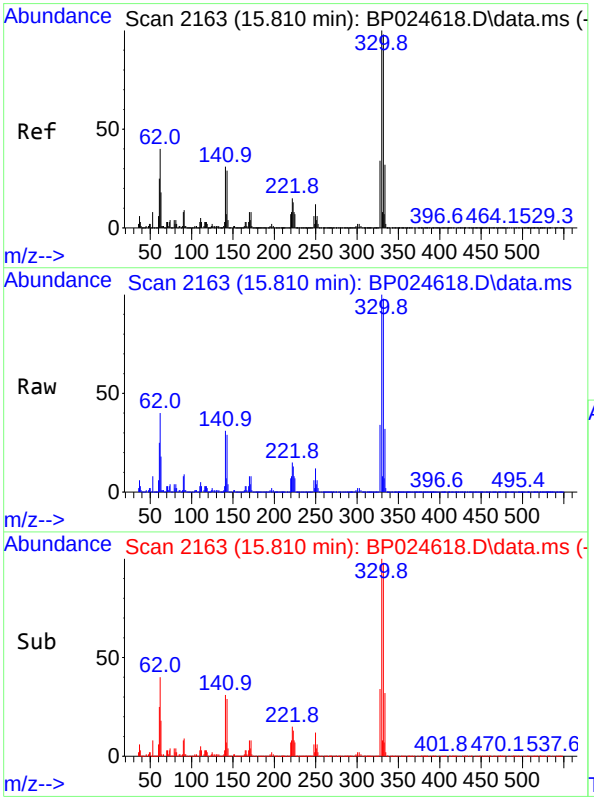
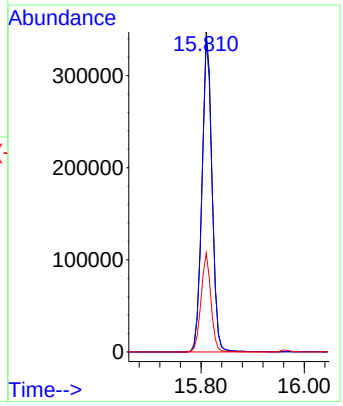


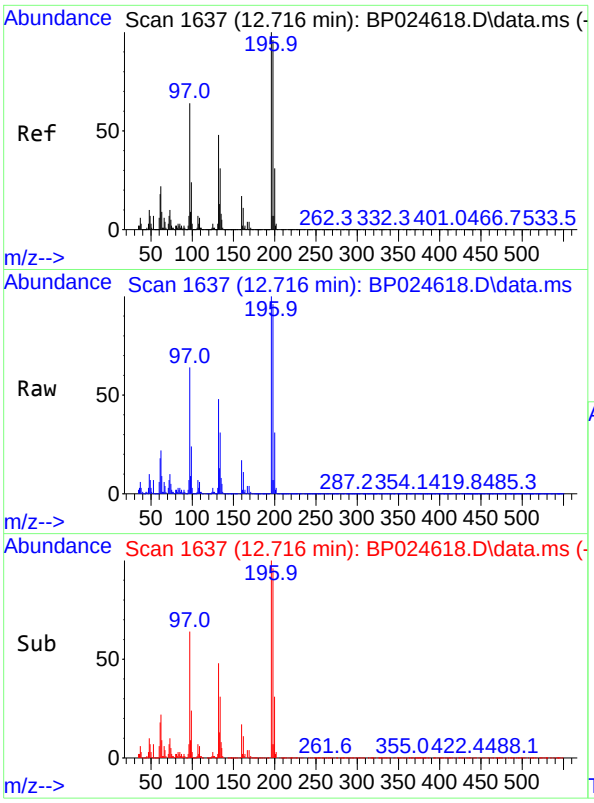




#42
2,4,6-Tribromophenol
Concen: 76.13 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:330 Resp: 467808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.8 | 78.2 | 117.4 |
| 141 | 30.4 | 24.3 | 36.5 |

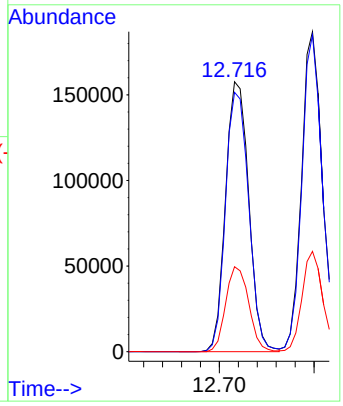





#43
2,4,6-Trichlorophenol
Concen: 39.41 ng
RT: 12.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:196 Resp: 26867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.1 | 76.9 | 115.3 |
| 200 | 31.5 | 25.2 | 37.8 |




**Instrument :**
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**ClientSampleId :**
SSTDICCC040

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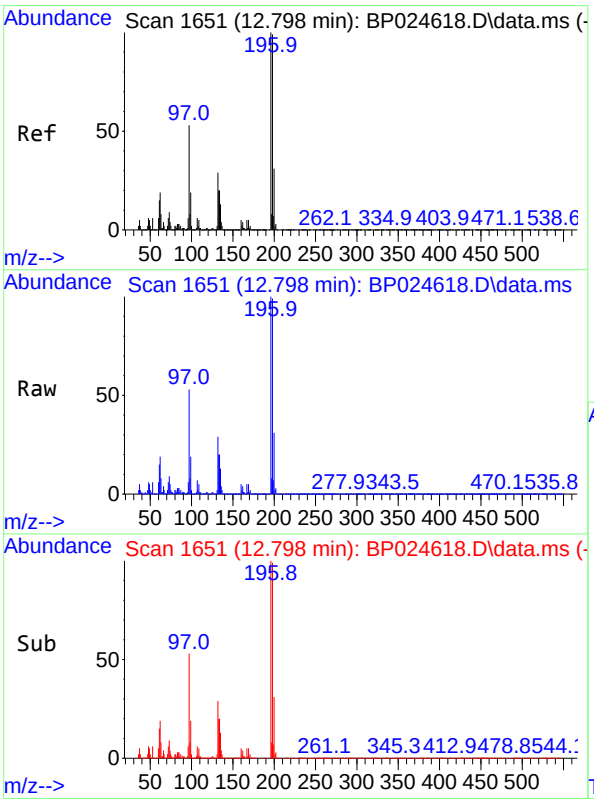
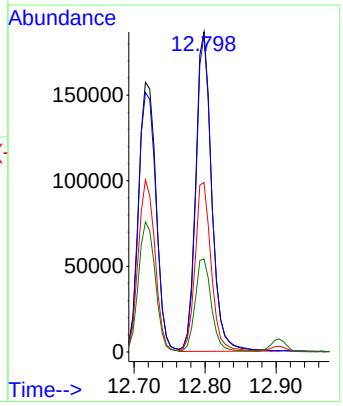
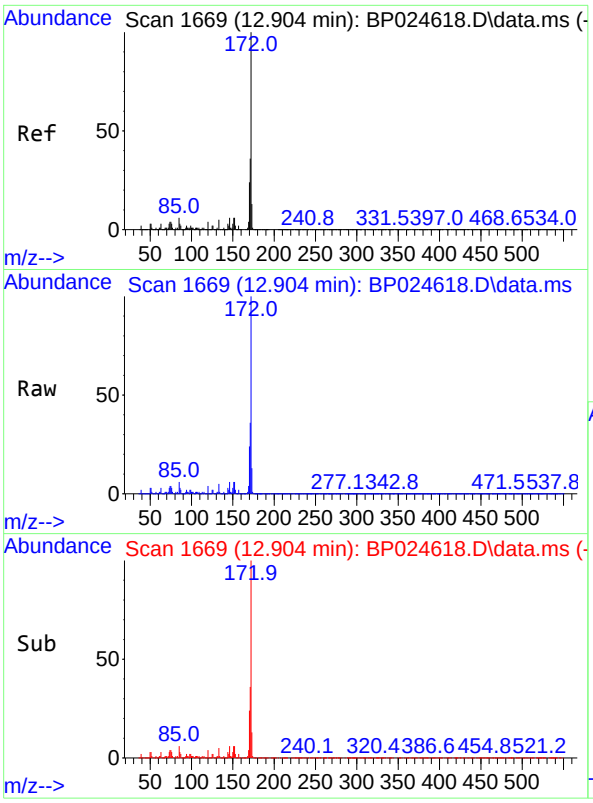



#44
2,4,5-Trichlorophenol
Concen: 38.62 ng
RT: 12.798 min Scan# 1651
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:196 Resp: 293079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.0 | 79.2 | 118.8 |
| 97 | 52.9 | 42.3 | 63.5 |
| 132 | 29.1 | 23.3 | 34.9 |

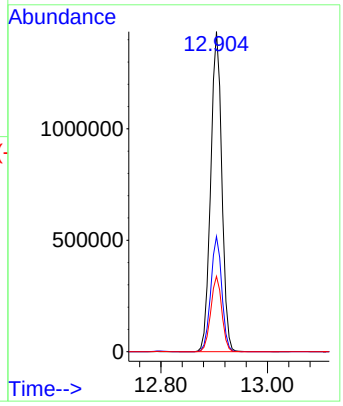





#45
2-Fluorobiphenyl
Concen: 75.05 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:172 Resp: 207635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 28.8 | 43.2 |
| 170 | 23.5 | 18.8 | 28.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

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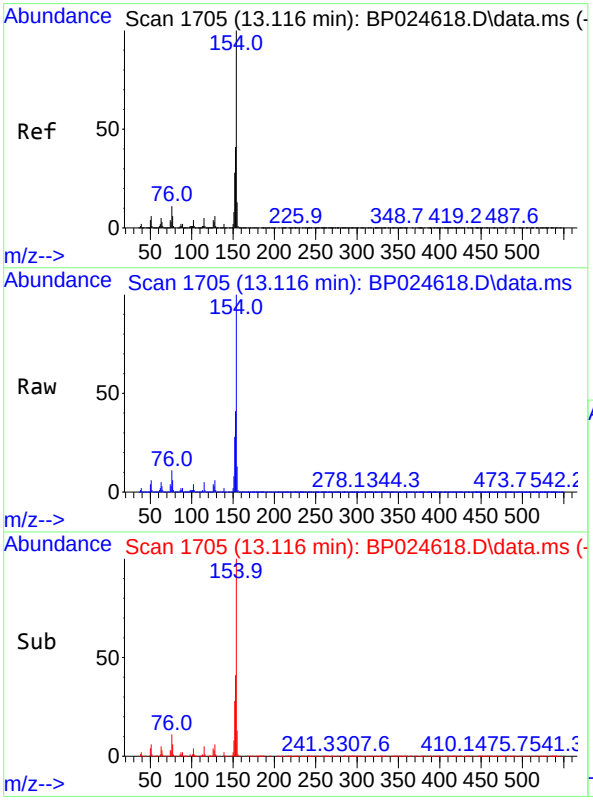
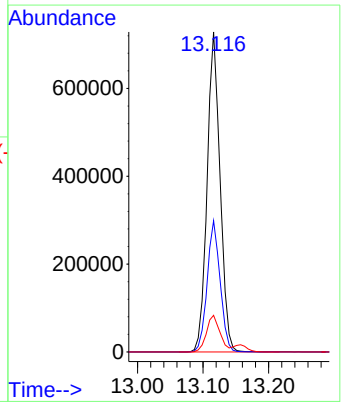
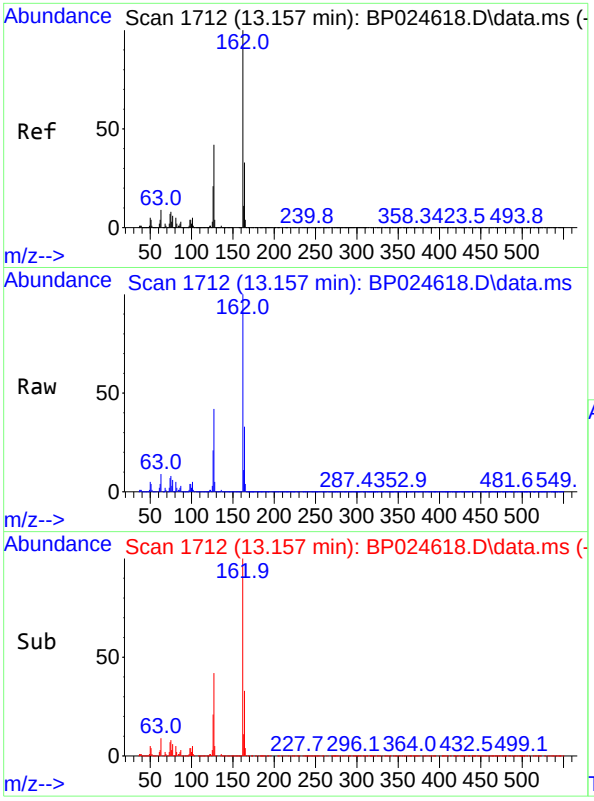



#46
1,1'-Biphenyl
Concen: 37.42 ng
RT: 13.116 min Scan# 1705
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:154 Resp: 1002344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.0 | 21.0 | 61.0 |
| 76 | 11.5 | 0.0 | 31.5 |

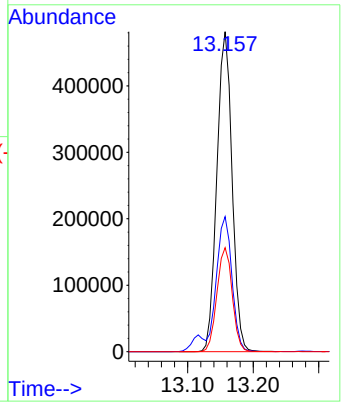





#47
2-Chloronaphthalene
Concen: 37.79 ng
RT: 13.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:162 Resp: 77195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.2 | 33.8 | 50.6 |
| 164 | 32.5 | 26.0 | 39.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

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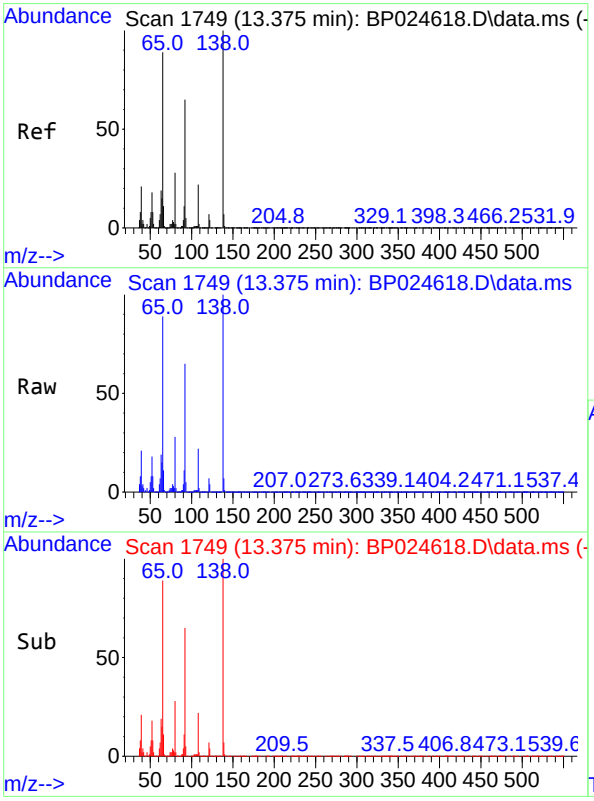
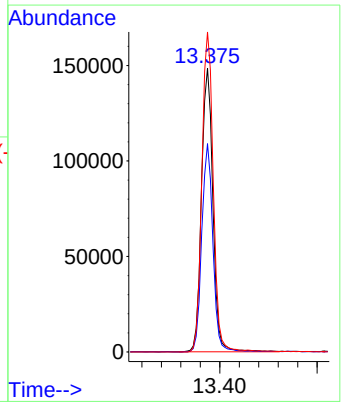
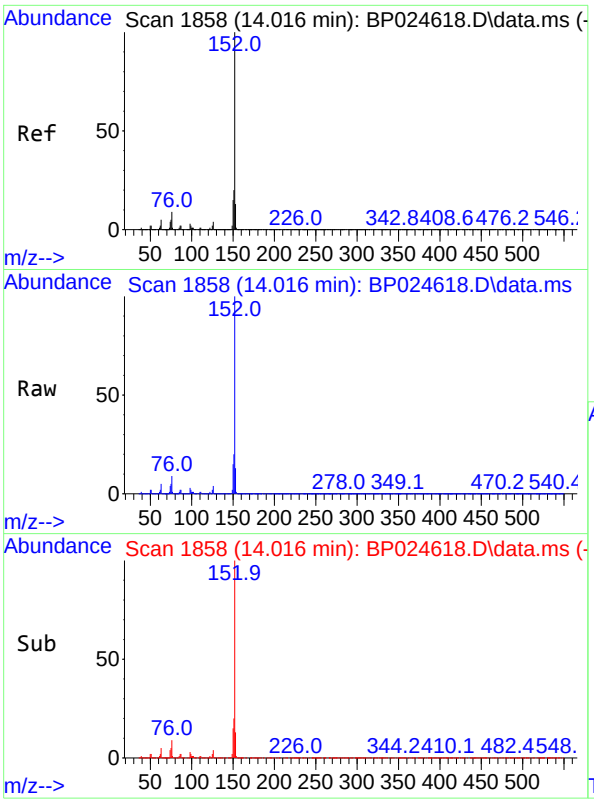



#48
2-Nitroaniline
Concen: 40.10 ng
RT: 13.375 min Scan# 1749
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 65 Resp: 242485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 73.4 | 58.7 | 88.1 |
| 138 | 112.7 | 90.2 | 135.2 |

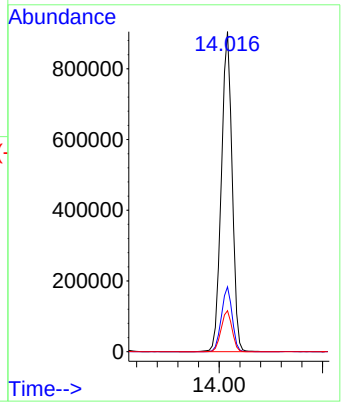





#49
Acenaphthylene
Concen: 38.26 ng
RT: 14.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:152 Resp: 130774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.2 | 24.4 |
| 153 | 12.8 | 10.2 | 15.4 |




**Instrument :**
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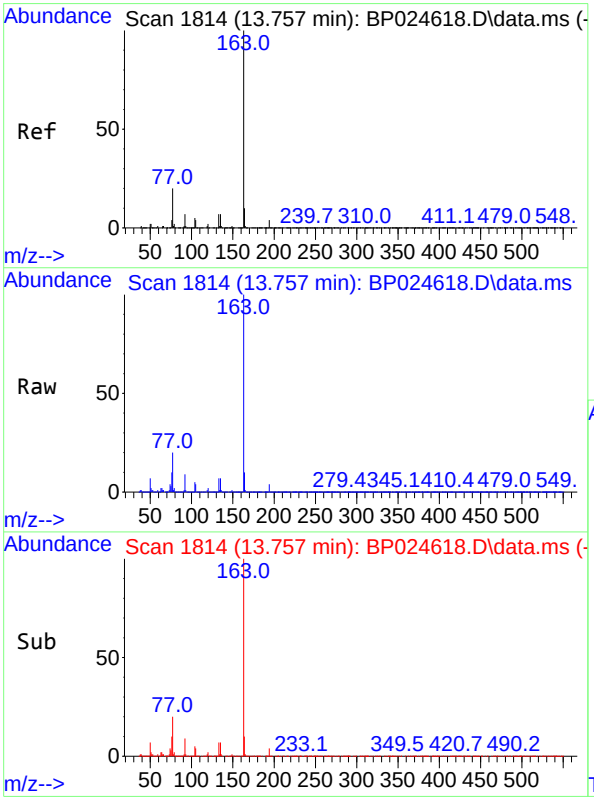
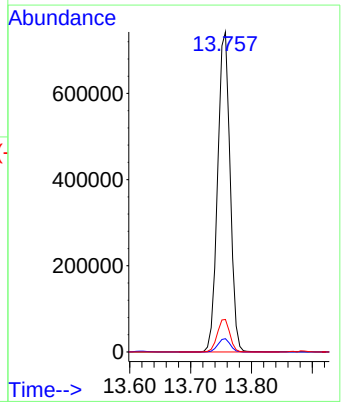
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

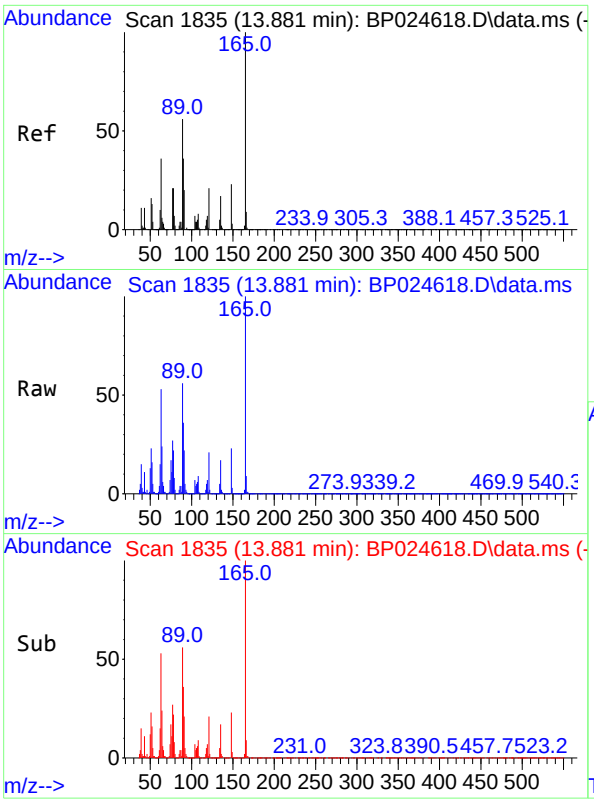



#50
Dimethylphthalate
Concen: 38.04 ng
RT: 13.757 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:163 Resp: 1051056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.4 | 5.0 |
| 164 | 10.1 | 8.1 | 12.1 |

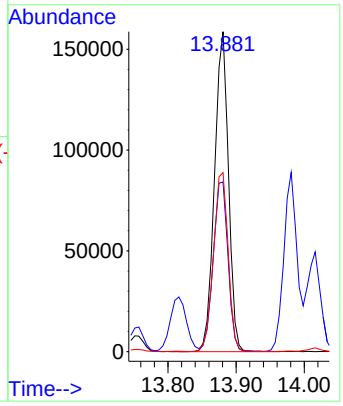





#51
2,6-Dinitrotoluene
Concen: 38.75 ng
RT: 13.881 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:165 Resp: 22608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 53.0 | 42.4 | 63.6 |
| 89 | 56.0 | 44.8 | 67.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

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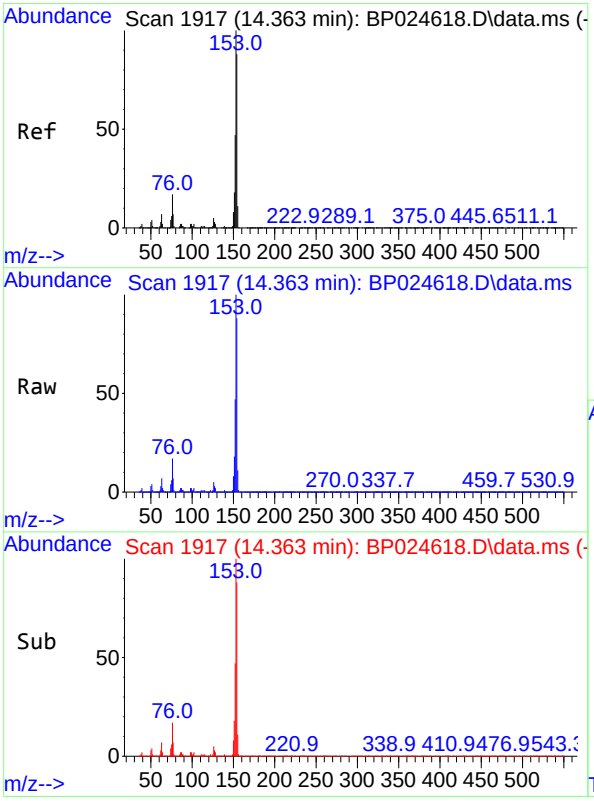
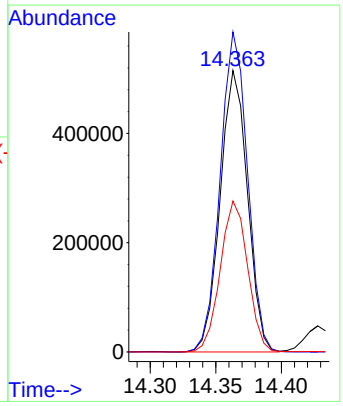
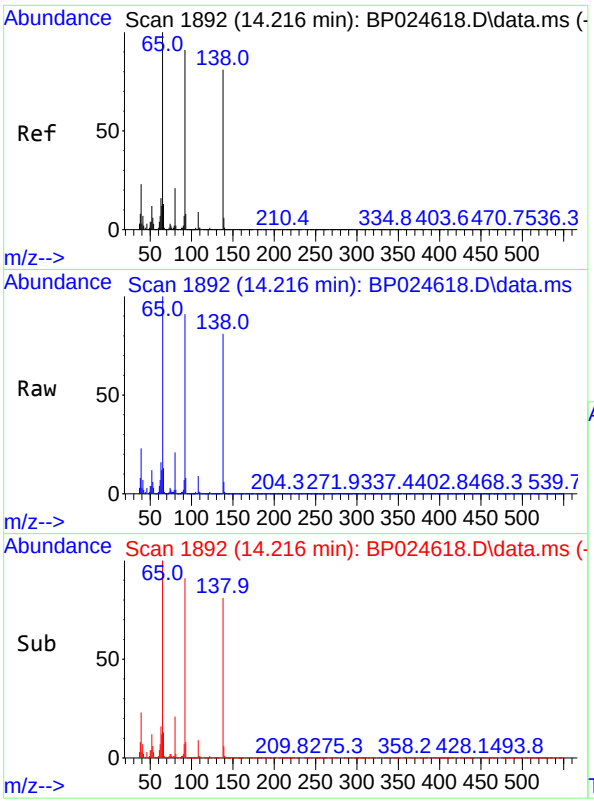



#52
Acenaphthene
Concen: 37.93 ng
RT: 14.363 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:154 Resp: 745335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.7 | 91.0 | 136.4 |
| 152 | 53.6 | 42.9 | 64.3 |






#53
3-Nitroaniline
Concen: 41.39 ng
RT: 14.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:138 Resp: 24656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.2 | 9.0 | 13.4 |
| 92 | 112.6 | 90.1 | 135.1 |

**Instrument :**
BNA_P
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SSTDICCC040

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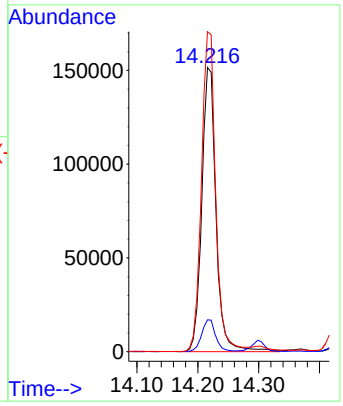
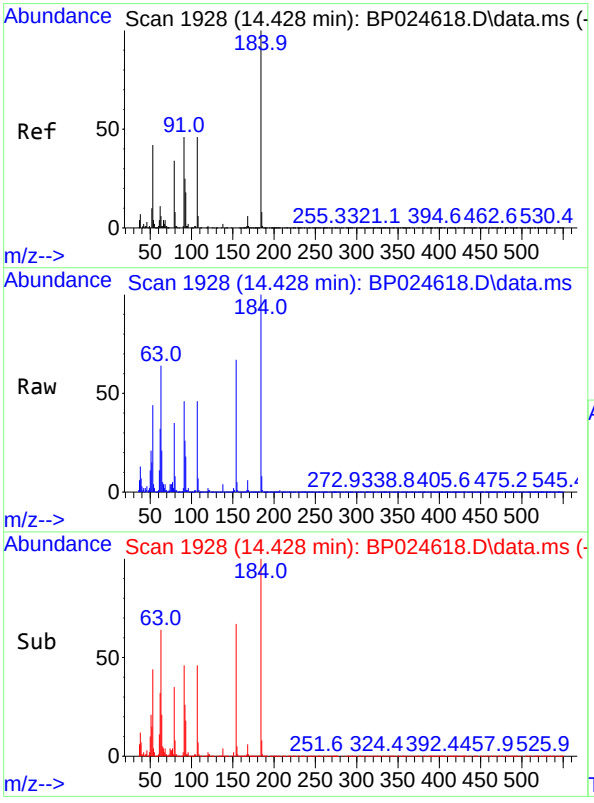
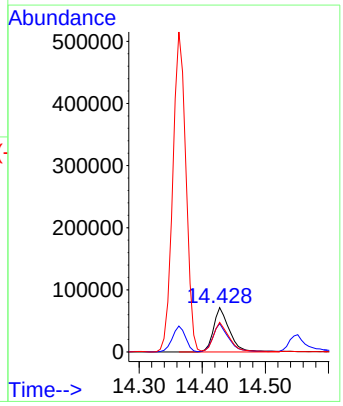


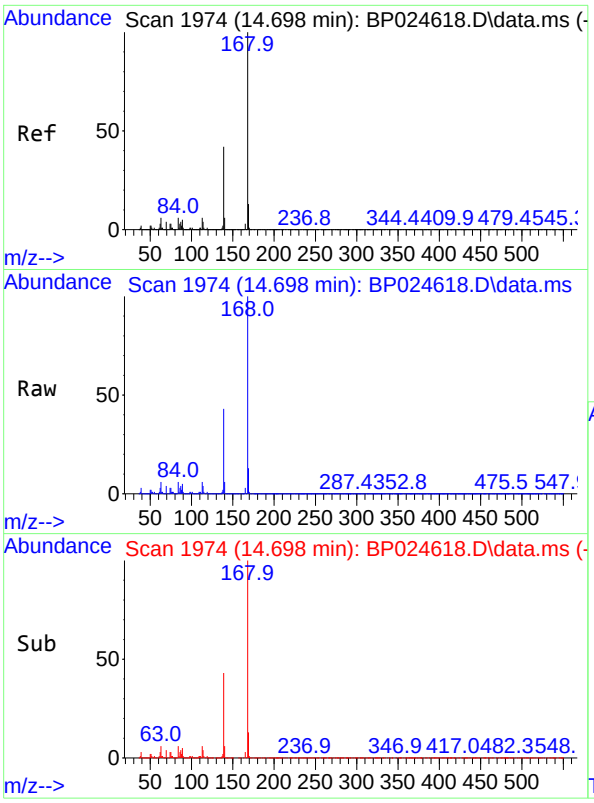




#54
2,4-Dinitrophenol
Concen: 37.54 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:184 Resp: 124517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 64.1 | 51.3 | 76.9 |
| 154 | 66.9 | 53.5 | 80.3 |

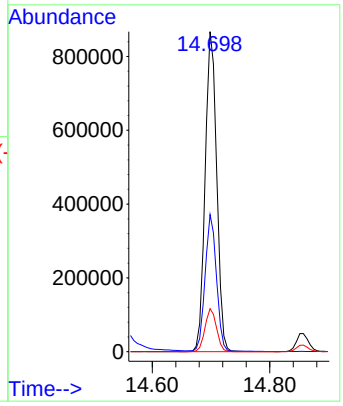





#55
Dibenzofuran
Concen: 37.77 ng
RT: 14.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:168 Resp: 118380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 42.8 | 34.2 | 51.4 |
| 169 | 13.5 | 10.8 | 16.2 |




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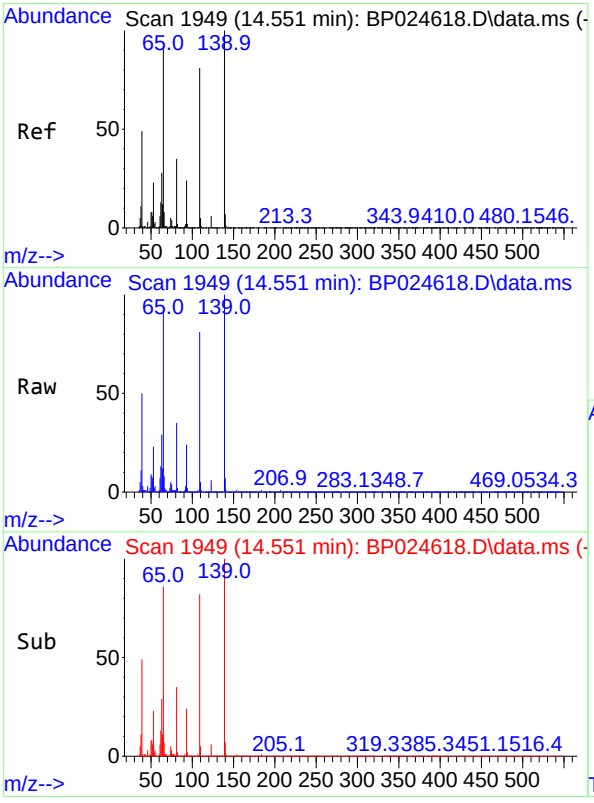
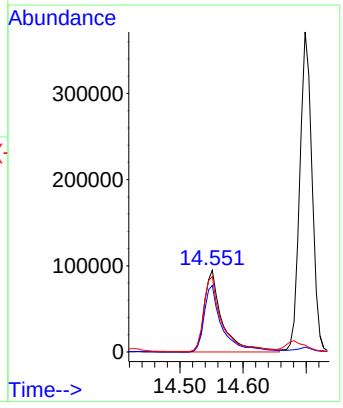
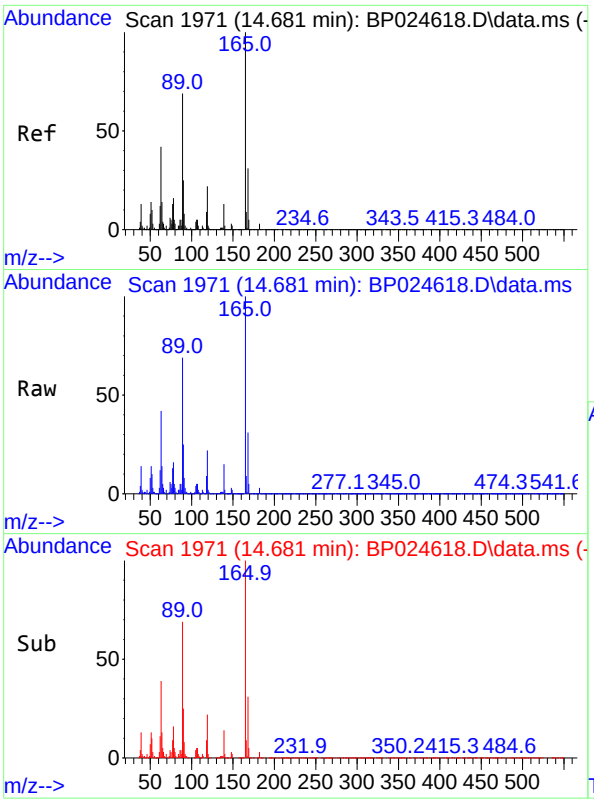



#56
4-Nitrophenol
Concen: 38.41 ng
RT: 14.551 min Scan# 1949
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:139 Resp: 186112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 81.4 | 61.4 | 101.4 |
| 65 | 92.2 | 72.2 | 112.2 |

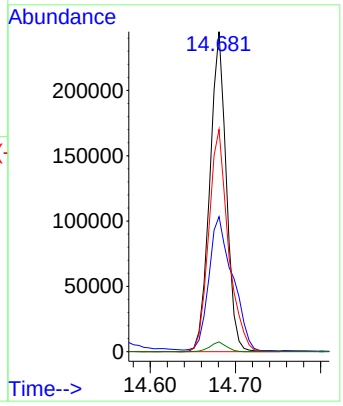





#57
2,4-Dinitrotoluene
Concen: 40.02 ng
RT: 14.681 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:165 Resp: 32915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 42.2 | 33.8 | 50.6 |
| 89 | 69.5 | 55.6 | 83.4 |
| 182 | 3.0 | 2.4 | 3.6 |




**Instrument :**
BNA_P
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SSTDICCC040

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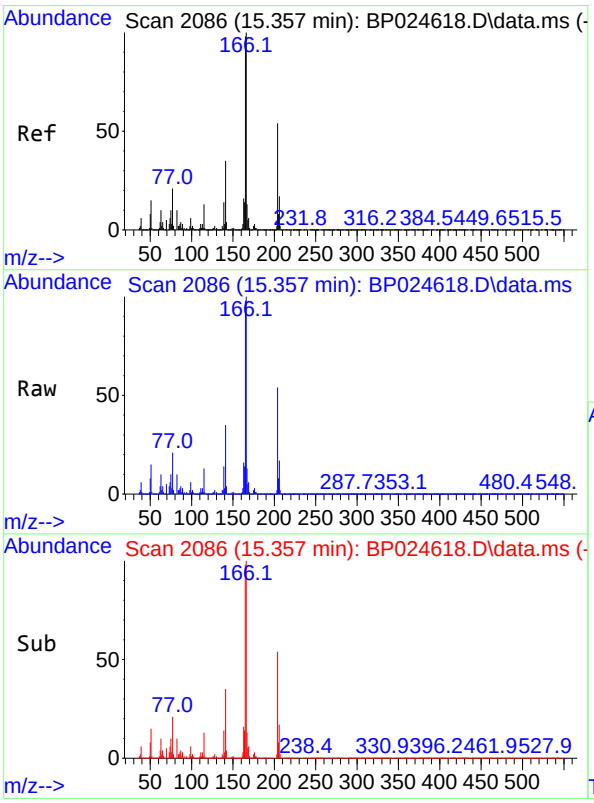
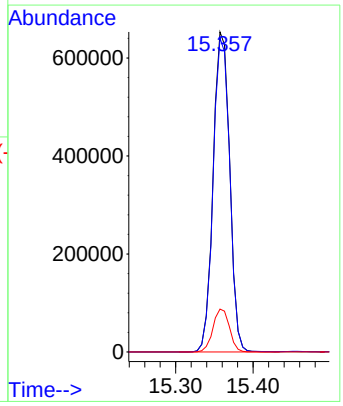
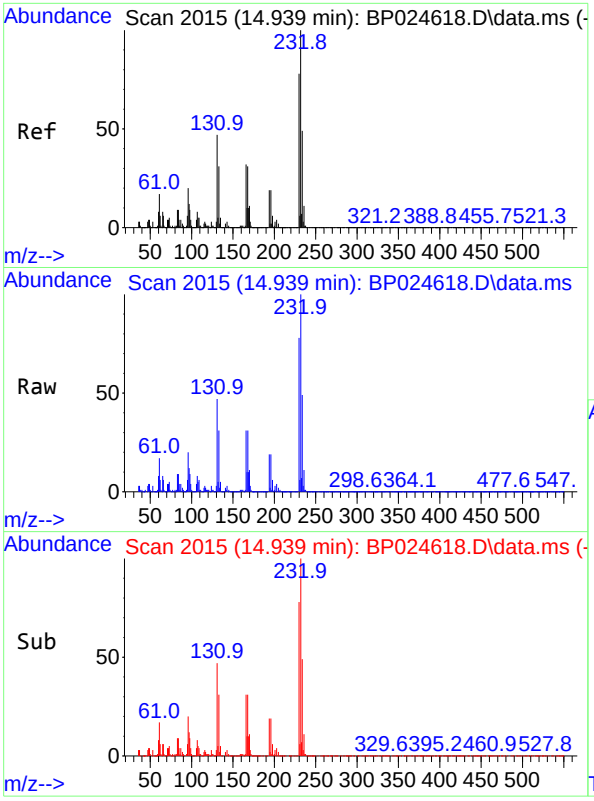



#58
Fluorene
Concen: 37.89 ng
RT: 15.357 min Scan# 2086
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:166 Resp: 968487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.1 | 78.5 | 117.7 |
| 167 | 13.4 | 10.7 | 16.1 |

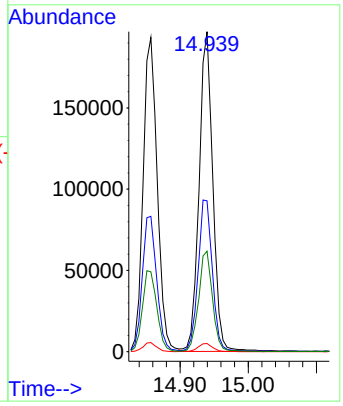





#59
2,3,4,6-Tetrachlorophenol
Concen: 38.98 ng
RT: 14.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:232 Resp: 27438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 49.4 | 39.5 | 59.3 |
| 130 | 2.8 | 2.2 | 3.4 |
| 166 | 32.1 | 25.7 | 38.5 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

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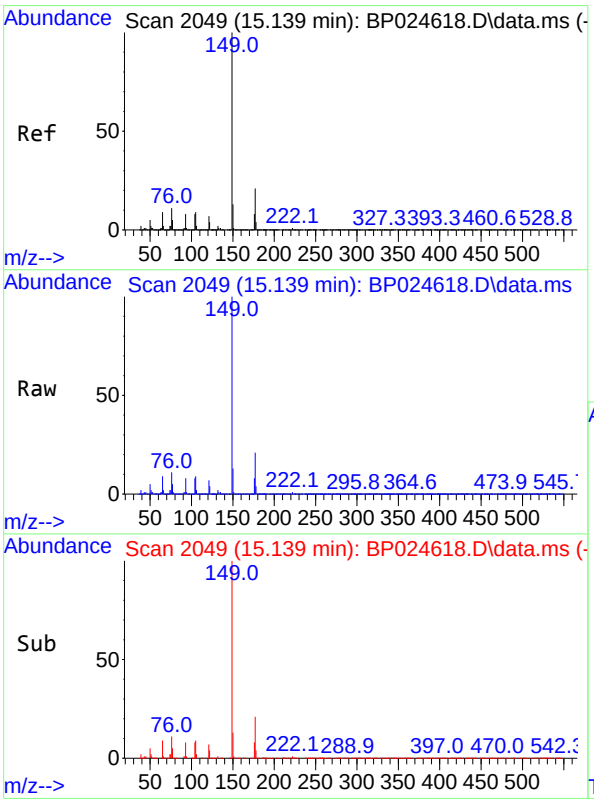
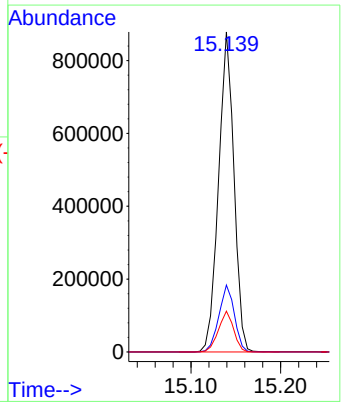
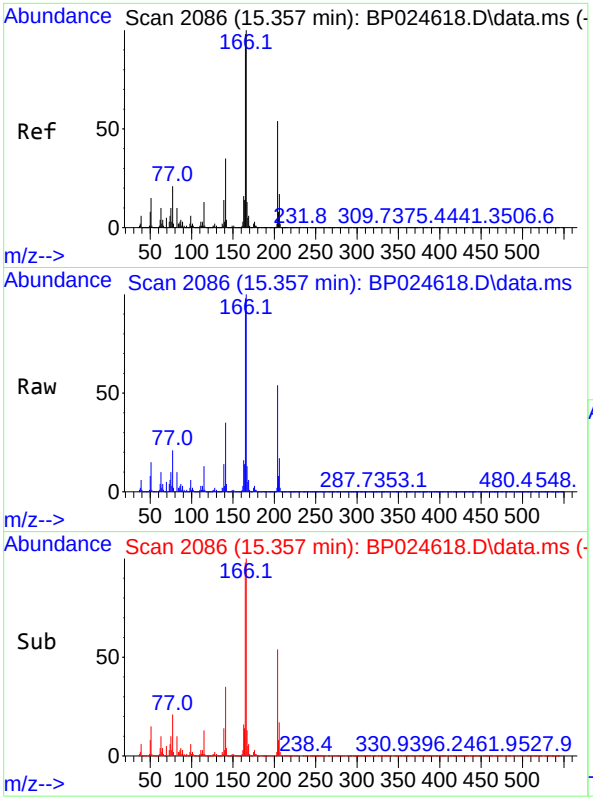



#60
Diethylphthalate
Concen: 37.48 ng
RT: 15.139 min Scan# 2049
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:149 Resp: 1046478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 20.9 | 16.7 | 25.1 |
| 150 | 12.7 | 10.2 | 15.2 |

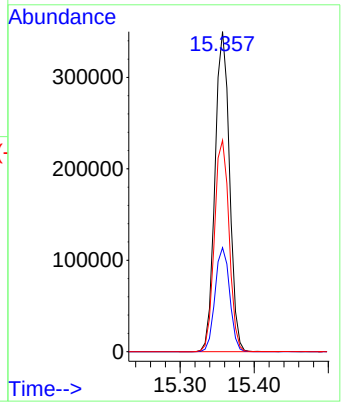





#61
4-Chlorophenyl-phenylether
Concen: 37.29 ng
RT: 15.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:204 Resp: 47532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.5 | 26.0 | 39.0 |
| 141 | 66.1 | 52.9 | 79.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

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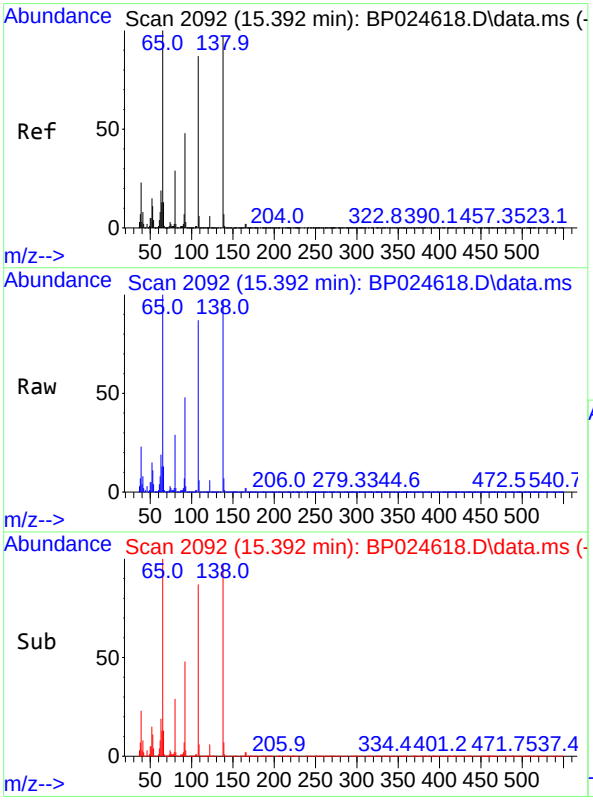
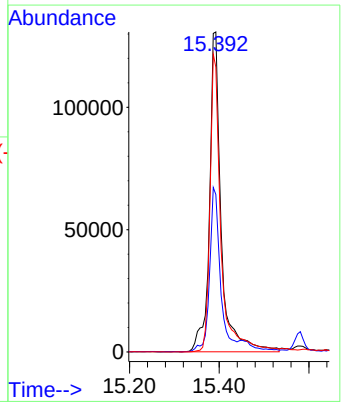
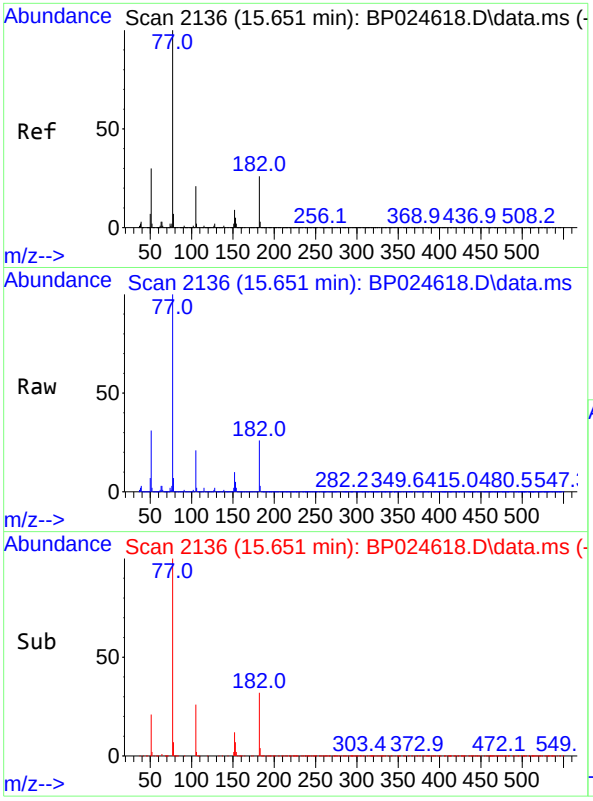



#62
4-Nitroaniline
Concen: 41.24 ng
RT: 15.392 min Scan# 2092
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:138 Resp: 239212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.2 | 29.2 | 69.2 |
| 108 | 89.0 | 69.0 | 109.0 |

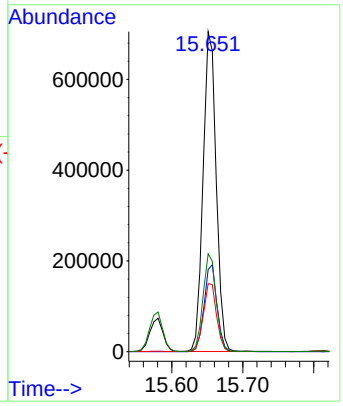





#63
Azobenzene
Concen: 37.94 ng
RT: 15.651 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 77 Resp: 90627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.7 | 5.7 | 45.7 |
| 105 | 21.3 | 1.3 | 41.3 |
| 51 | 30.6 | 10.6 | 50.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

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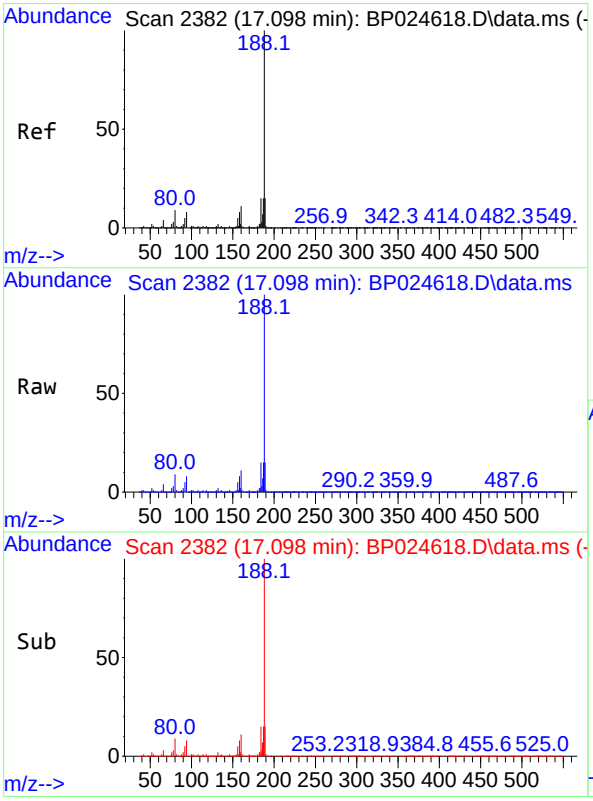
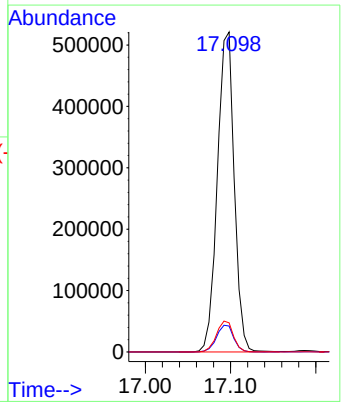
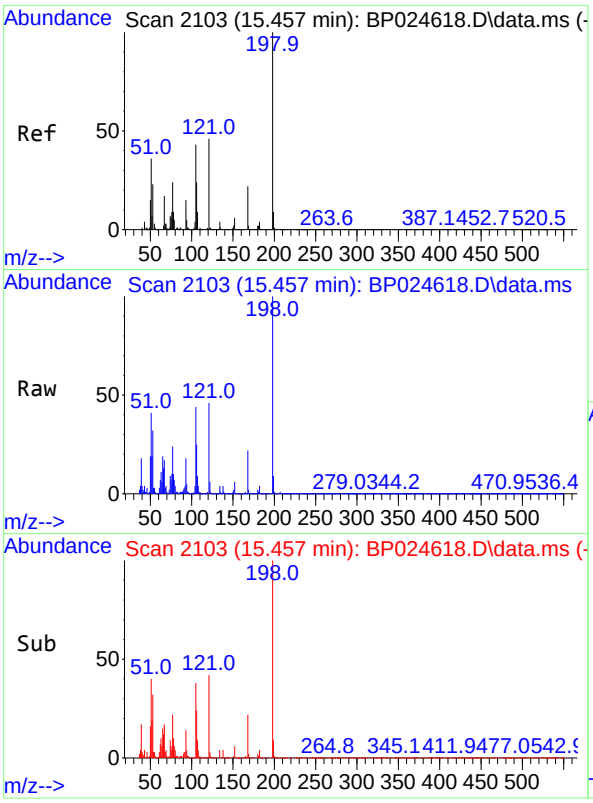



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.098 min Scan# 2382
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:188 Resp: 717362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.1 | 6.5 | 9.7 |
| 80 | 9.1 | 7.3 | 10.9 |






#65
4,6-Dinitro-2-methylphenol
Concen: 39.84 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:198 Resp: 18459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 41.1 | 21.1 | 61.1 |
| 105 | 43.6 | 23.6 | 63.6 |

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

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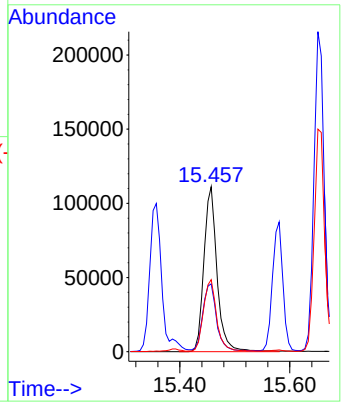
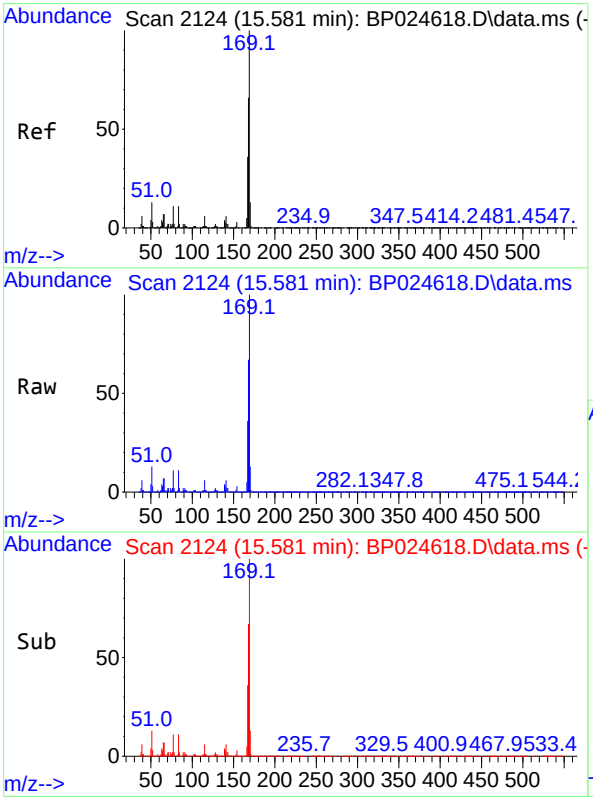
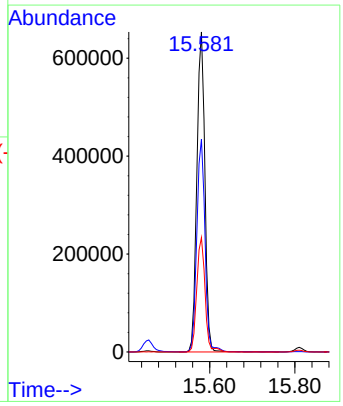


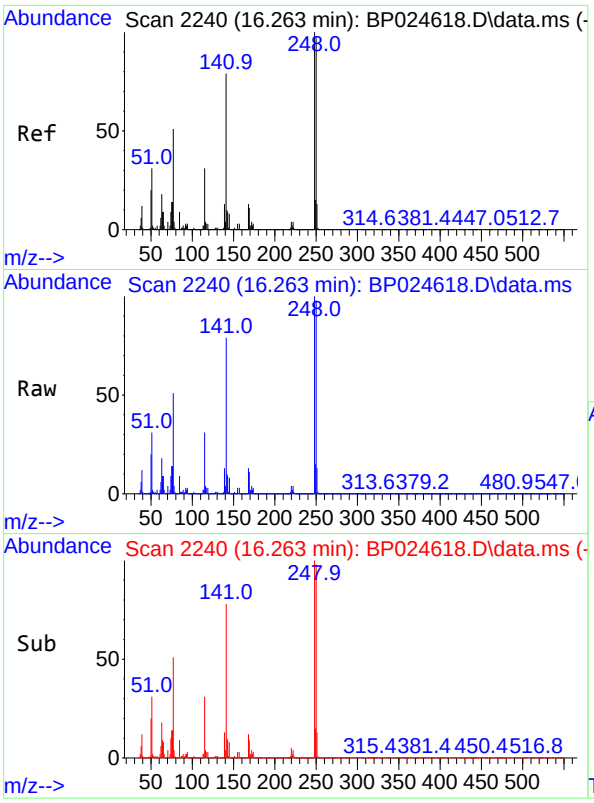




#66
n-Nitrosodiphenylamine
Concen: 38.63 ng
RT: 15.581 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:169 Resp: 851188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.5 | 53.2 | 79.8 |
| 167 | 35.8 | 28.6 | 43.0 |






#67
4-Bromophenyl-phenylether
Concen: 38.28 ng
RT: 16.263 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

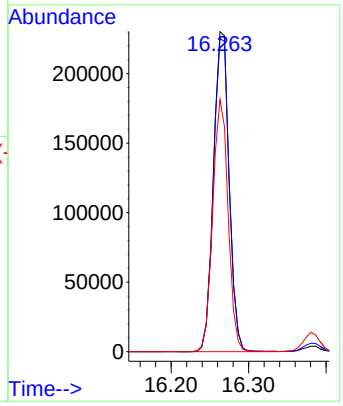
**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

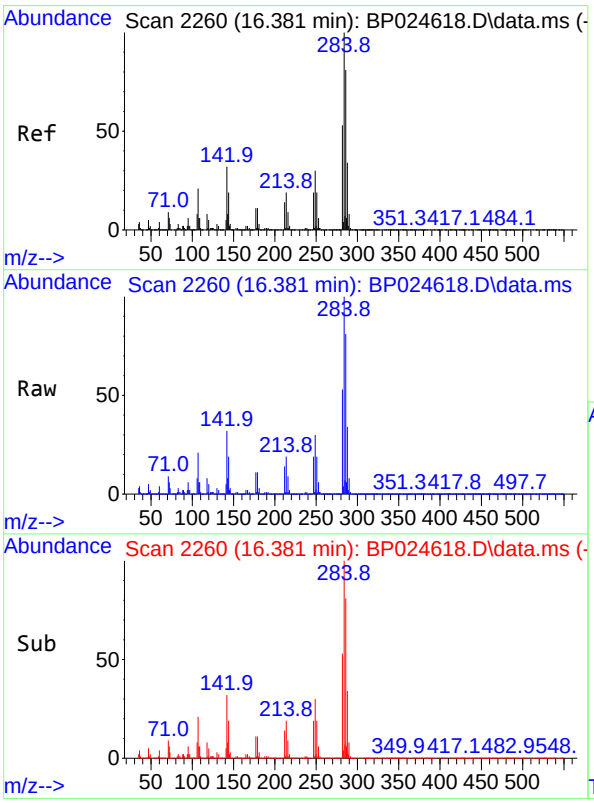
Tgt Ion:248 Resp: 32355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.8 | 78.2 | 117.4 |
| 141 | 78.8 | 63.0 | 94.6 |

**Manual Integrations**
**APPROVED**

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

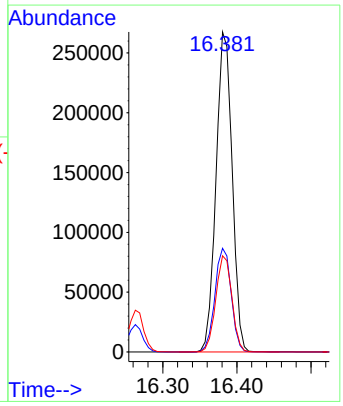


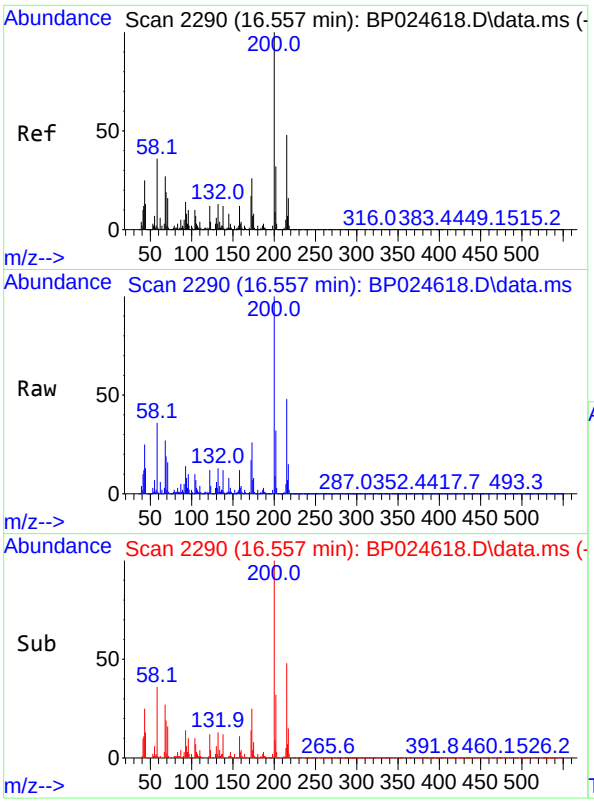




#68
Hexachlorobenzene
Concen: 37.60 ng
RT: 16.381 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:284 Resp: 403916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.4 | 25.9 | 38.9 |
| 249 | 30.1 | 24.1 | 36.1 |

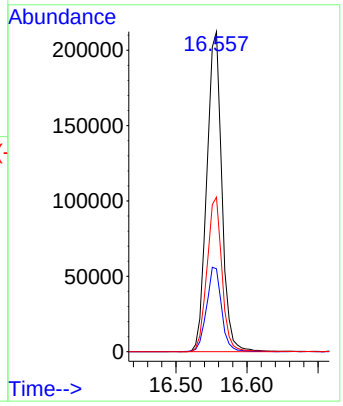





#69
Atrazine
Concen: 38.67 ng
RT: 16.557 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:200 Resp: 31222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.9 | 5.9 | 45.9 |
| 215 | 48.3 | 28.3 | 68.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

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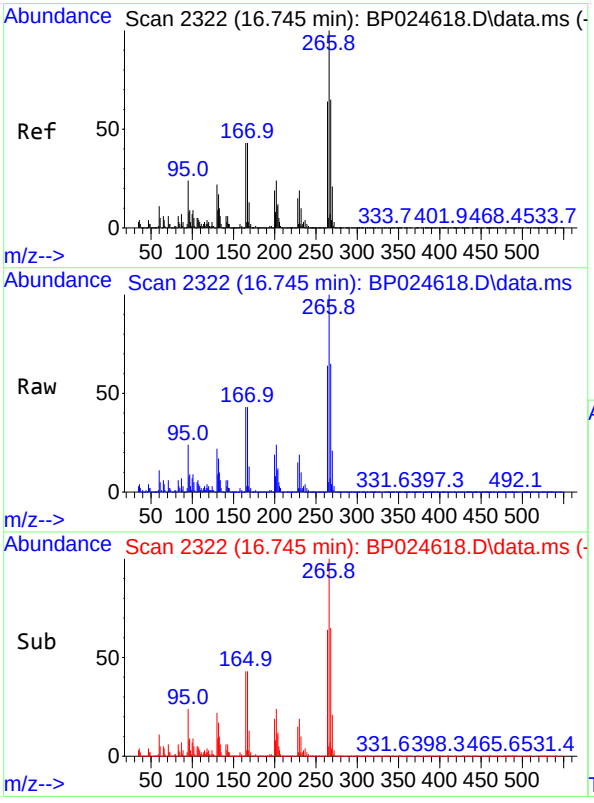
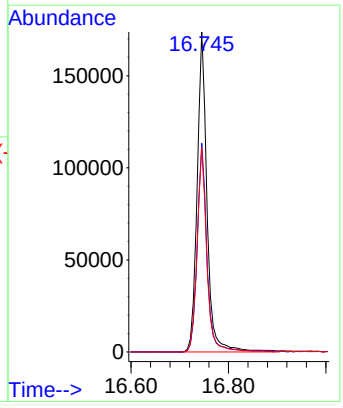
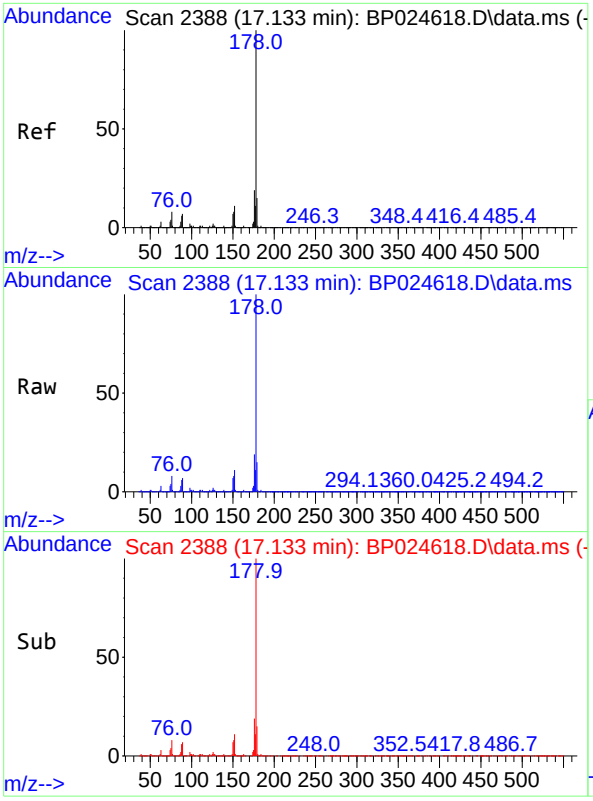



#70
Pentachlorophenol
Concen: 40.91 ng
RT: 16.745 min Scan# 2322
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:266 Resp: 246828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 65.3 | 52.2 | 78.4 |
| 264 | 63.9 | 51.1 | 76.7 |

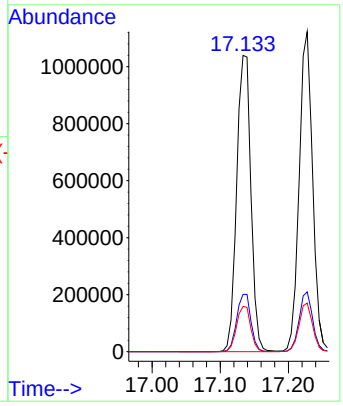





#71
Phenanthrene
Concen: 37.80 ng
RT: 17.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:178 Resp: 150760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.4 | 23.2 |
| 179 | 15.3 | 12.2 | 18.4 |




**Instrument :**
BNA_P
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SSTDICCC040

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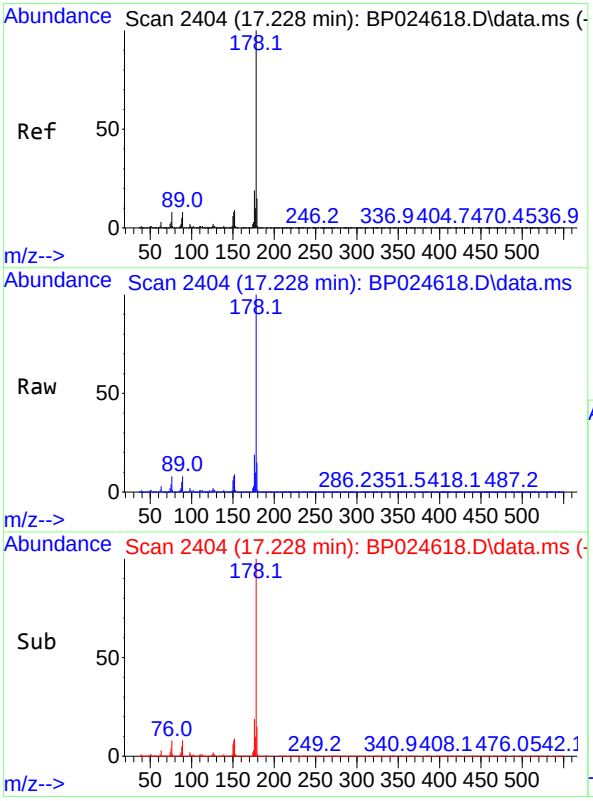
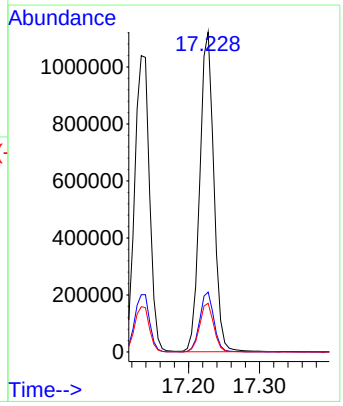
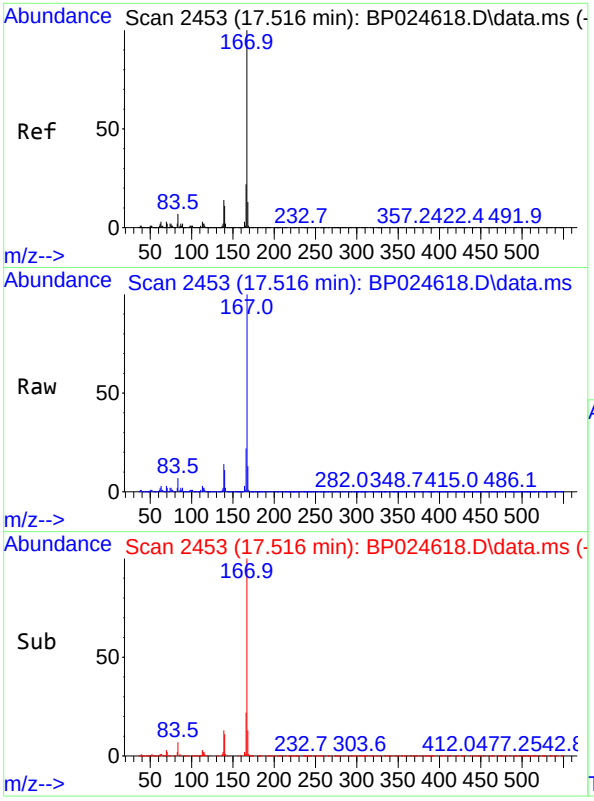



#72
Anthracene
Concen: 38.44 ng
RT: 17.228 min Scan# 2404
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:178 Resp: 1542275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.0 | 22.4 |
| 179 | 15.2 | 12.2 | 18.2 |

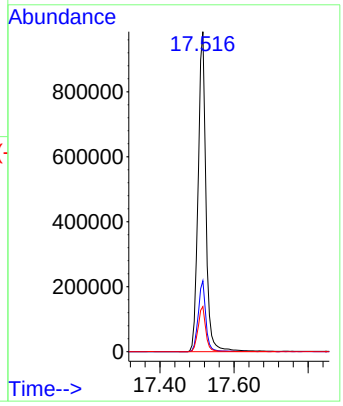





#73
Carbazole
Concen: 39.55 ng
RT: 17.516 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:167 Resp: 143629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.1 | 17.7 | 26.5 |
| 139 | 14.1 | 11.3 | 16.9 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

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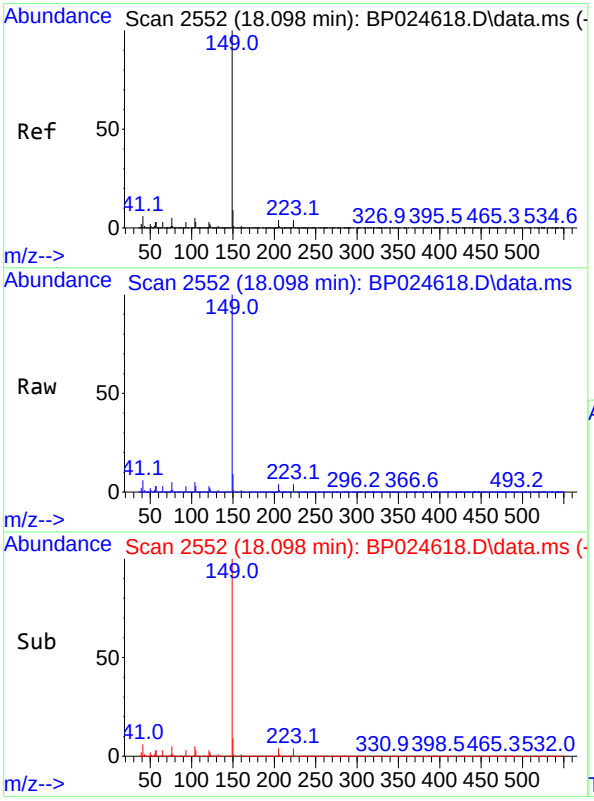
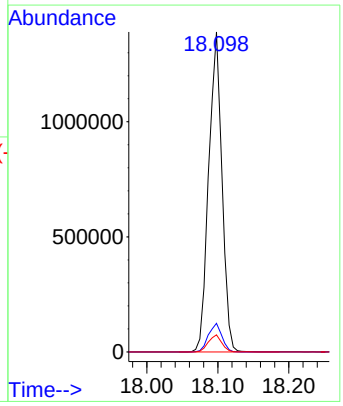
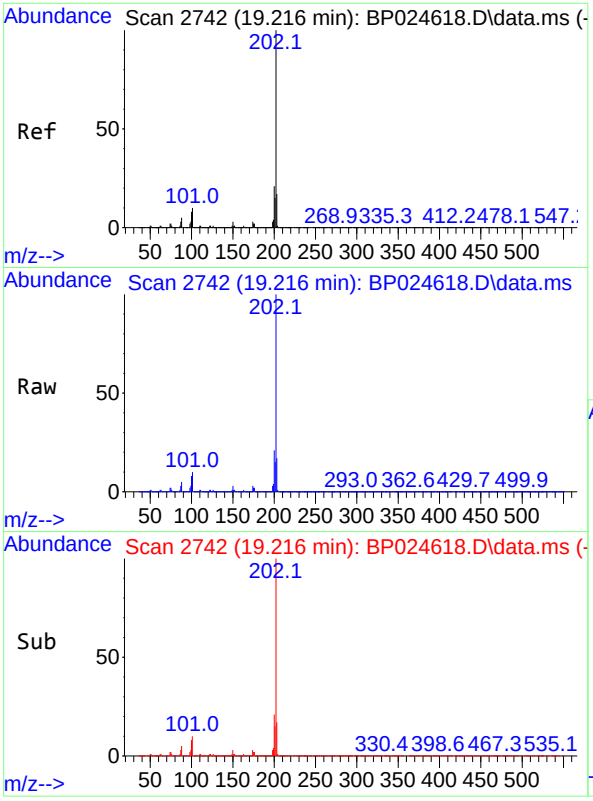



#74
Di-n-butylphthalate
Concen: 38.69 ng
RT: 18.098 min Scan# 2552
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:149 Resp: 1807097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.0 | 7.2 | 10.8 |
| 104 | 5.4 | 4.3 | 6.5 |

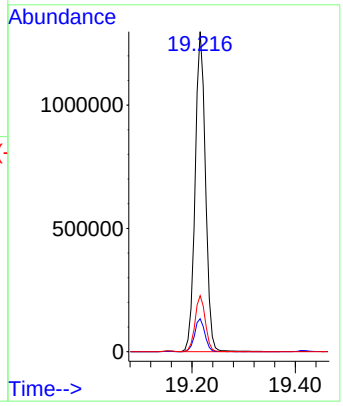





#75
Fluoranthene
Concen: 38.49 ng
RT: 19.216 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:202 Resp: 179404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.3 | 0.0 | 30.3 |
| 203 | 17.5 | 0.0 | 37.5 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

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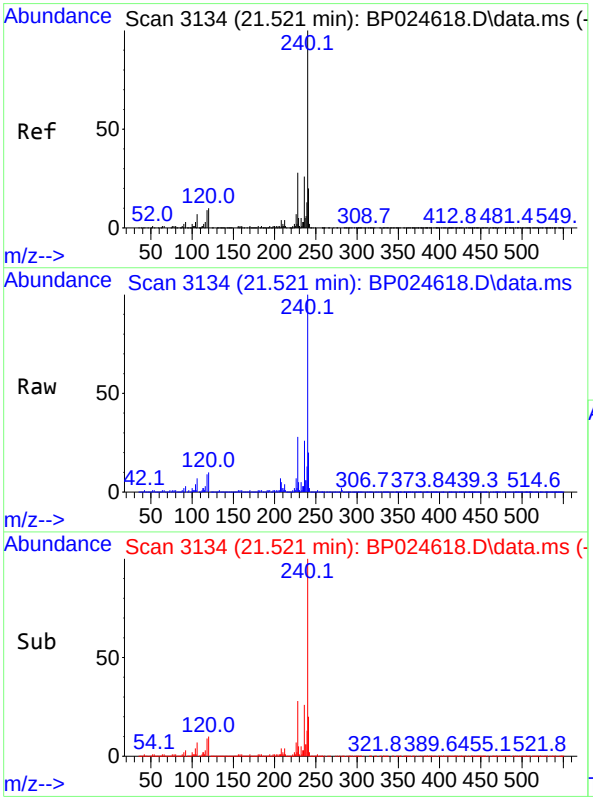
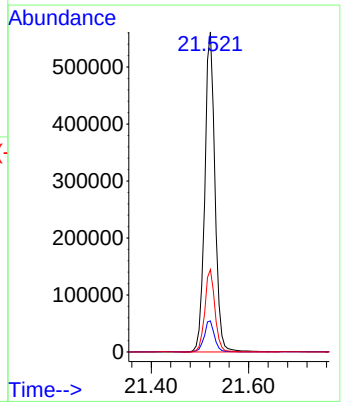
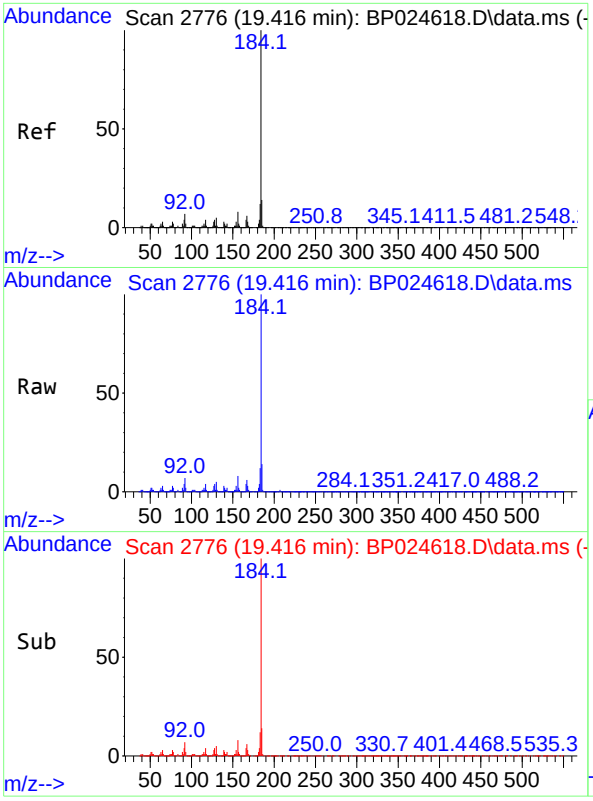



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.521 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:240 Resp: 810498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.7 | 7.8 | 11.6 |
| 236 | 25.8 | 20.6 | 31.0 |

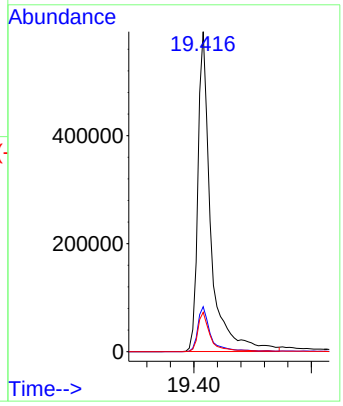





#77
Benzidine
Concen: 40.77 ng
RT: 19.416 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:184 Resp: 90710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.0 | 11.2 | 16.8 |
| 183 | 12.3 | 9.8 | 14.8 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

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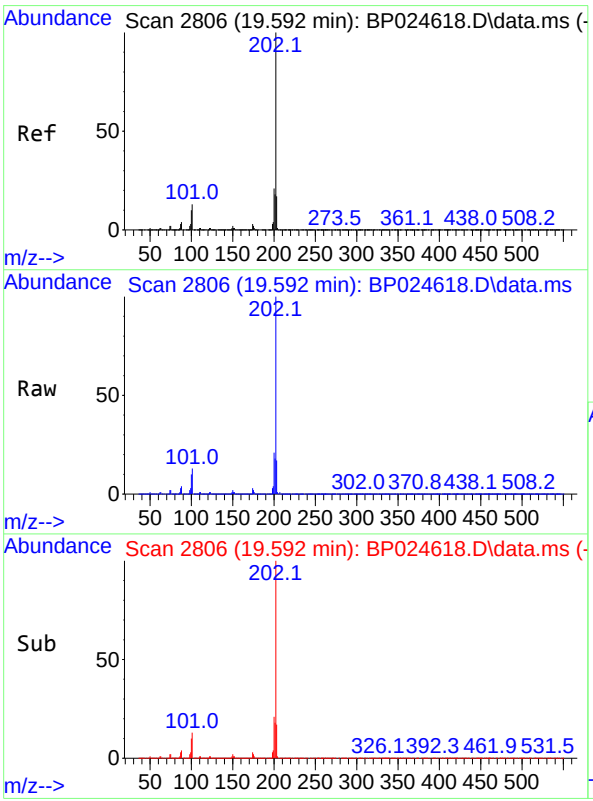
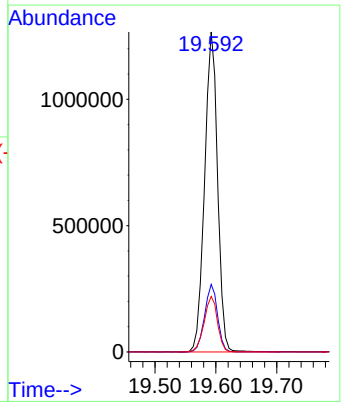
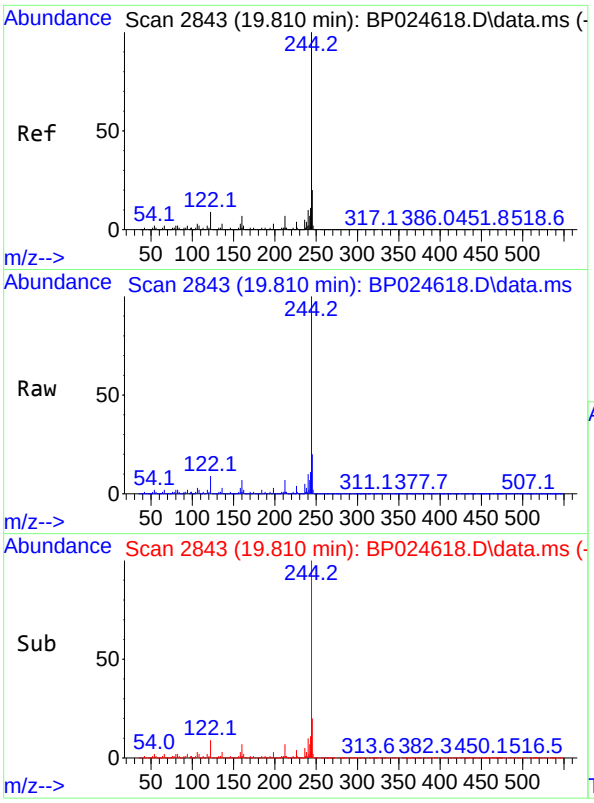



#78
Pyrene
Concen: 38.50 ng
RT: 19.592 min Scan# 2806
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:202 Resp: 1869519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 16.9 | 25.3 |
| 203 | 17.4 | 13.9 | 20.9 |

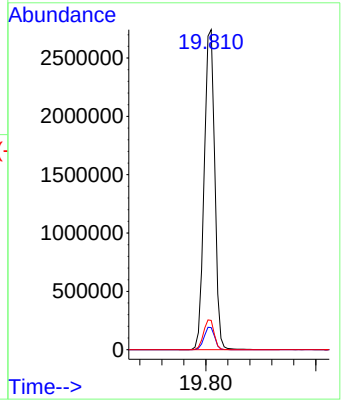





#79
Terphenyl-d14
Concen: 77.18 ng
RT: 19.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:244 Resp: 364796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.5 | 8.3 |
| 122 | 9.2 | 7.4 | 11.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

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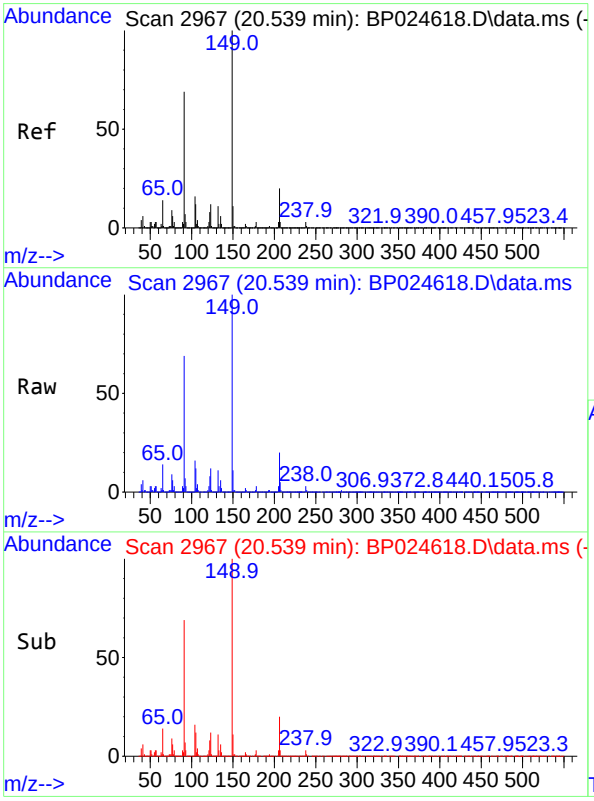
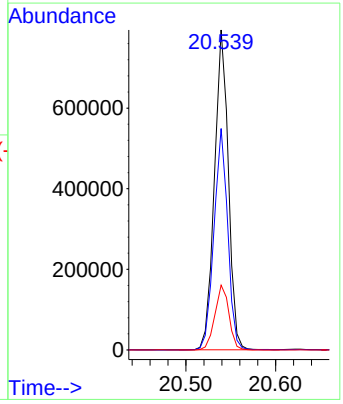
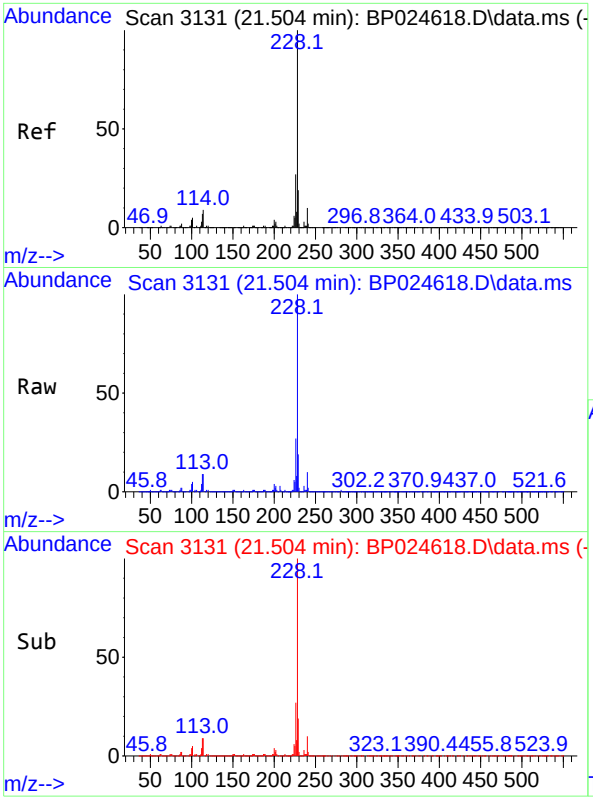



#80
Butylbenzylphthalate
Concen: 39.58 ng
RT: 20.539 min Scan# 2967
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:149 Resp: 854913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 69.2 | 55.4 | 83.0 |
| 206 | 20.2 | 16.2 | 24.2 |

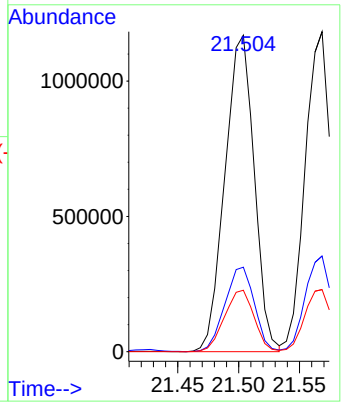





#81
Benzo(a)anthracene
Concen: 38.47 ng
RT: 21.504 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:228 Resp: 195763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.7 | 21.4 | 32.0 |
| 229 | 19.4 | 15.5 | 23.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

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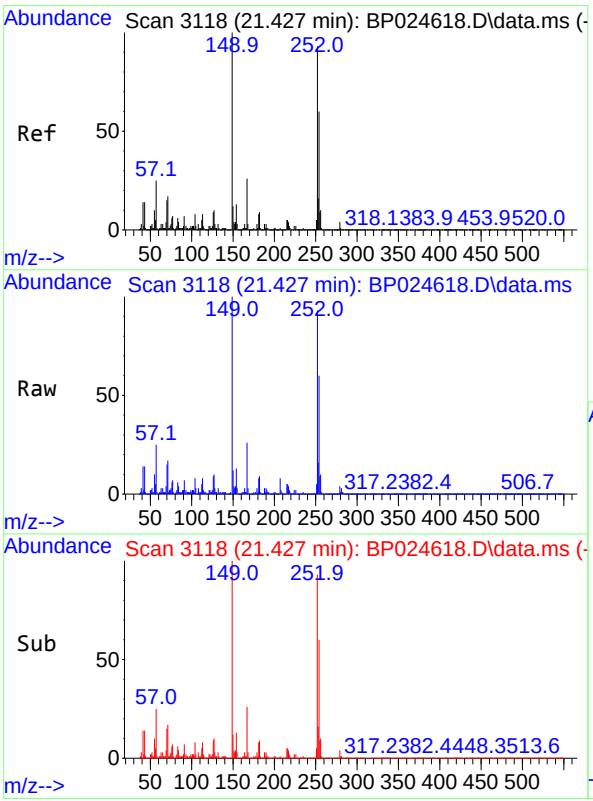
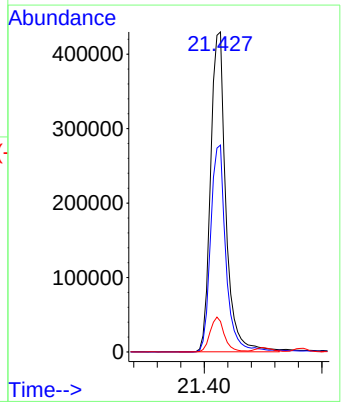
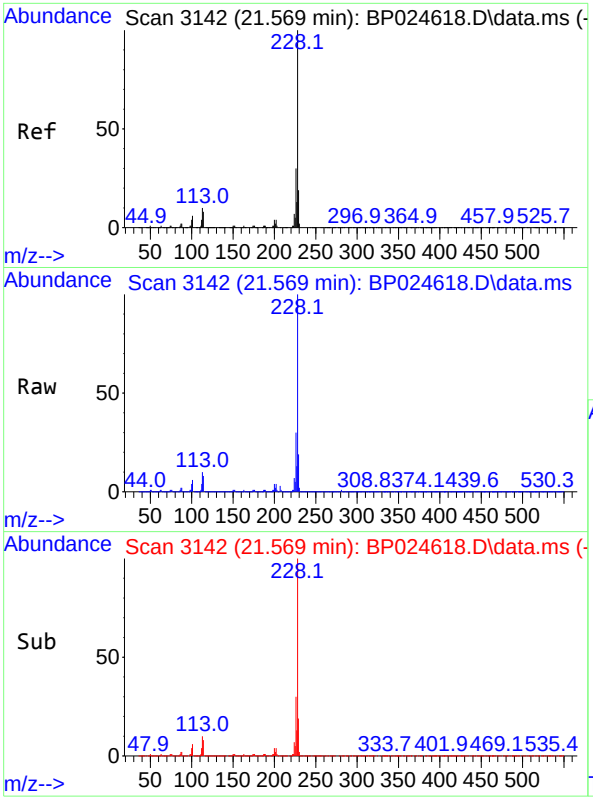



#82
3,3'-Dichlorobenzidine
Concen: 40.94 ng
RT: 21.427 min Scan# 3118
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:252 Resp: 773866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.7 | 51.8 | 77.6 |
| 126 | 9.6 | 7.7 | 11.5 |

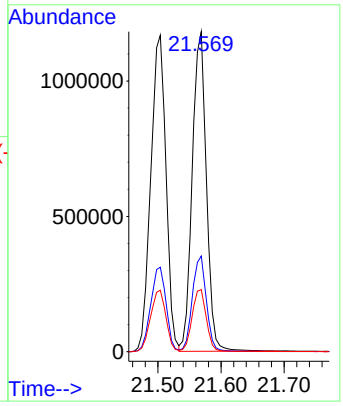





#83
Chrysene
Concen: 38.01 ng
RT: 21.569 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:228 Resp: 183395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 23.9 | 35.9 |
| 229 | 19.4 | 15.5 | 23.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

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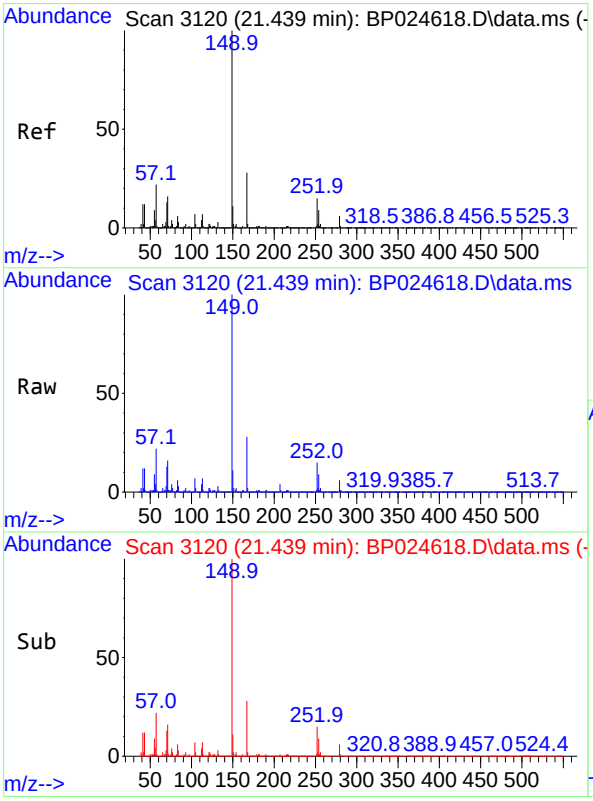
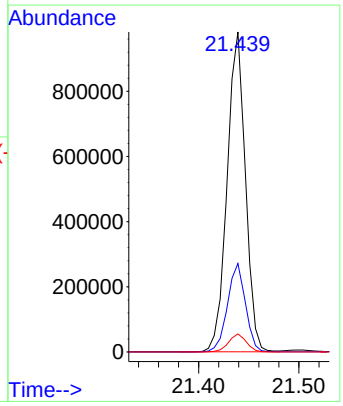
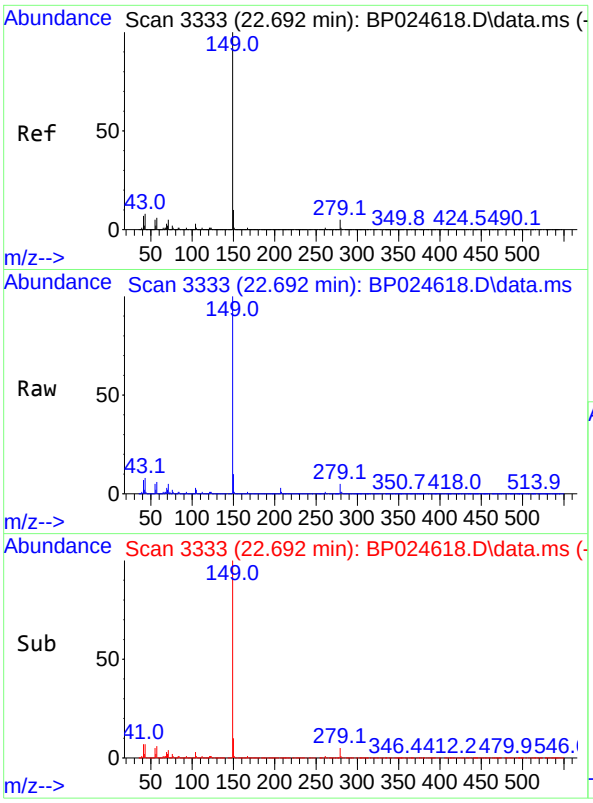



#84
Bis(2-ethylhexyl)phthalate
Concen: 39.09 ng
RT: 21.439 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:149 Resp: 1240956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.6 | 22.1 | 33.1 |
| 279 | 5.7 | 4.6 | 6.8 |

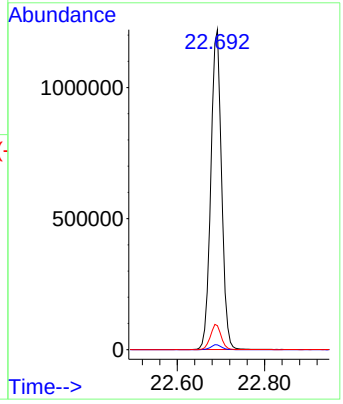





#85
Di-n-octyl phthalate
Concen: 39.97 ng
RT: 22.692 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:149 Resp: 207469

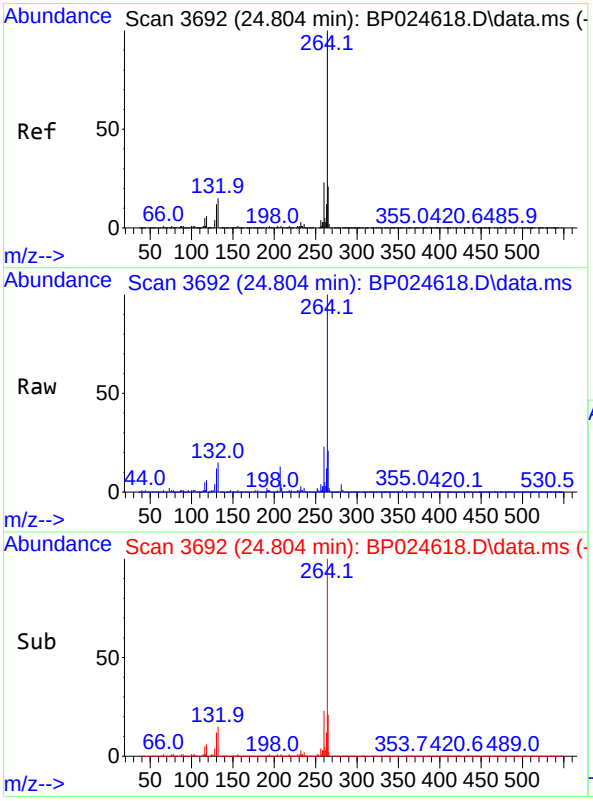
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.2 | 1.8 |
| 43 | 7.9 | 6.3 | 9.5 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

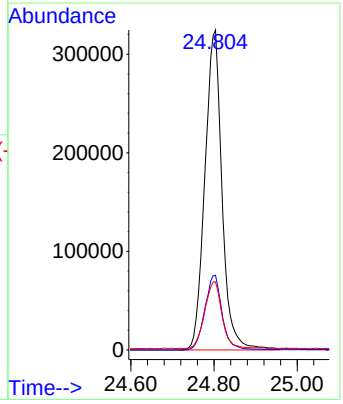
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

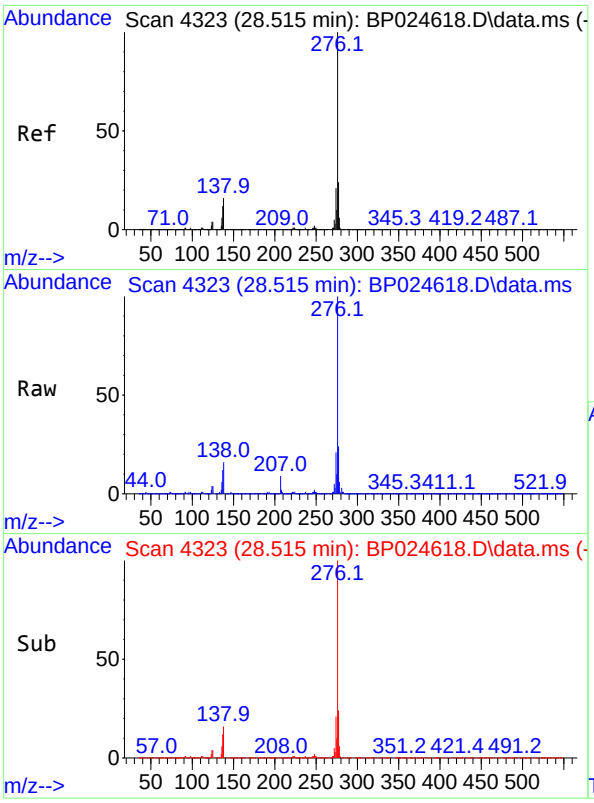



#86
Perylene-d12
Concen: 20.00 ng
RT: 24.804 min Scan# 3692
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:264 Resp: 929890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 18.7 | 28.1 |
| 265 | 21.3 | 17.0 | 25.6 |

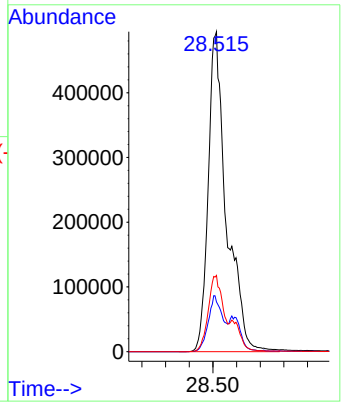





#87
Indeno(1,2,3-cd)pyrene
Concen: 39.00 ng
RT: 28.515 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:276 Resp: 264864

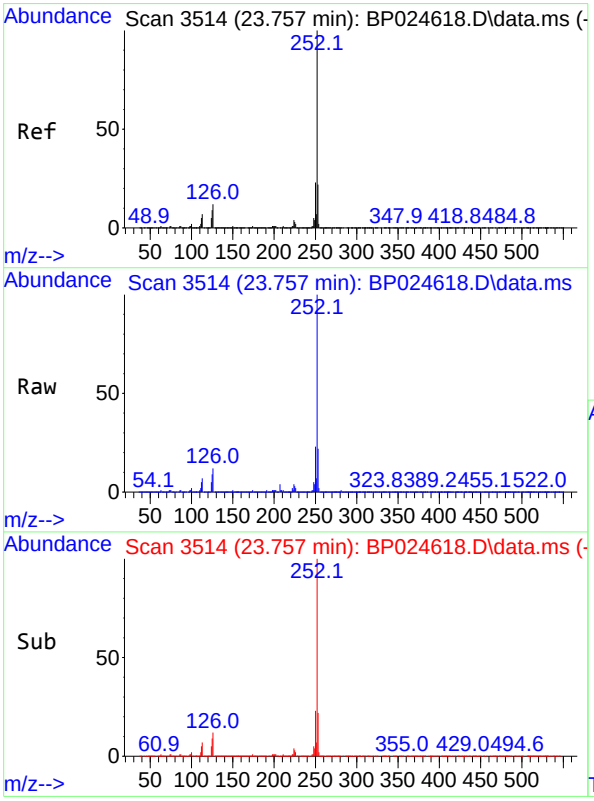
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 14.0 | 11.2 | 16.8 |
| 277 | 19.6 | 15.7 | 23.5 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

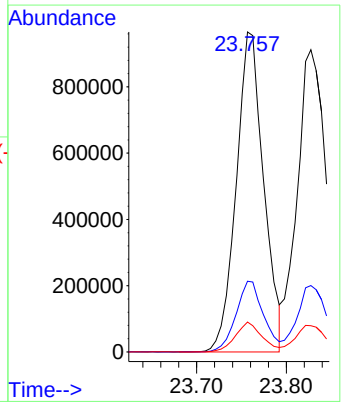
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

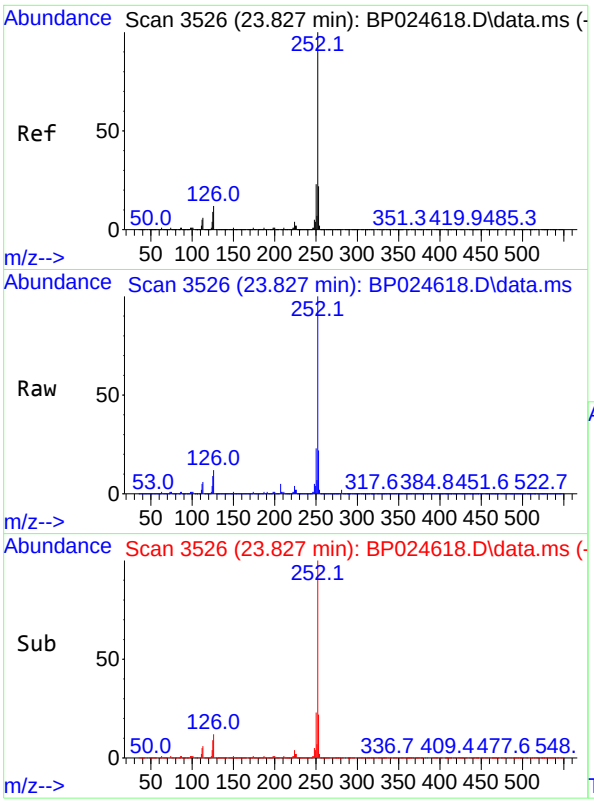



#88
Benzo(b)fluoranthene
Concen: 38.53 ng
RT: 23.757 min Scan# 3514
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:252 Resp: 2050806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.7 | 26.5 |
| 125 | 9.4 | 7.5 | 11.3 |

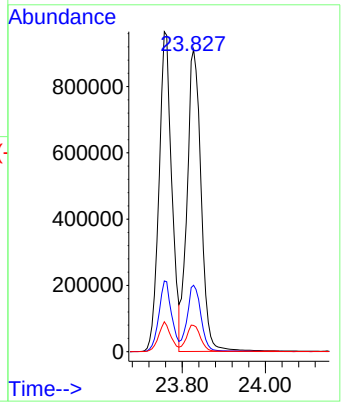





#89
Benzo(k)fluoranthene
Concen: 38.67 ng
RT: 23.827 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:252 Resp: 212072

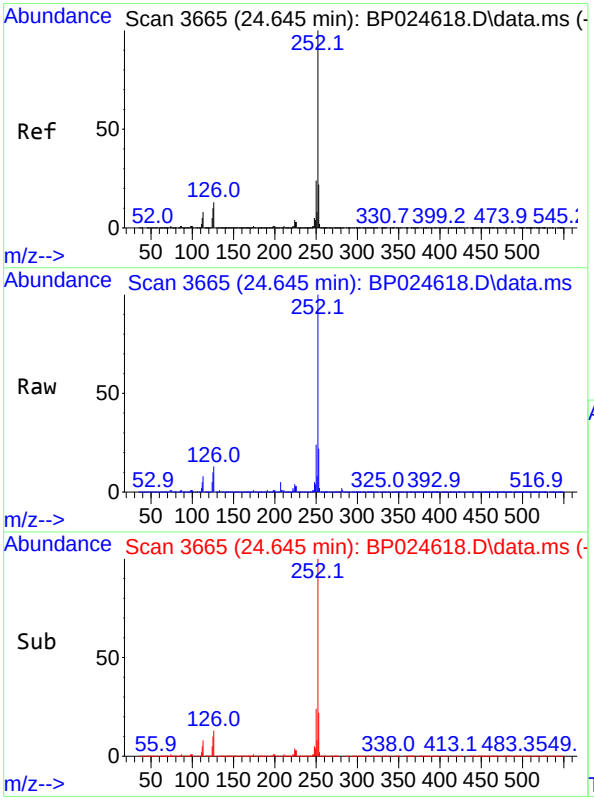
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.6 | 26.4 |
| 125 | 8.7 | 7.0 | 10.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

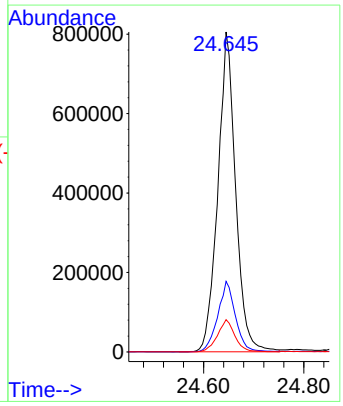
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

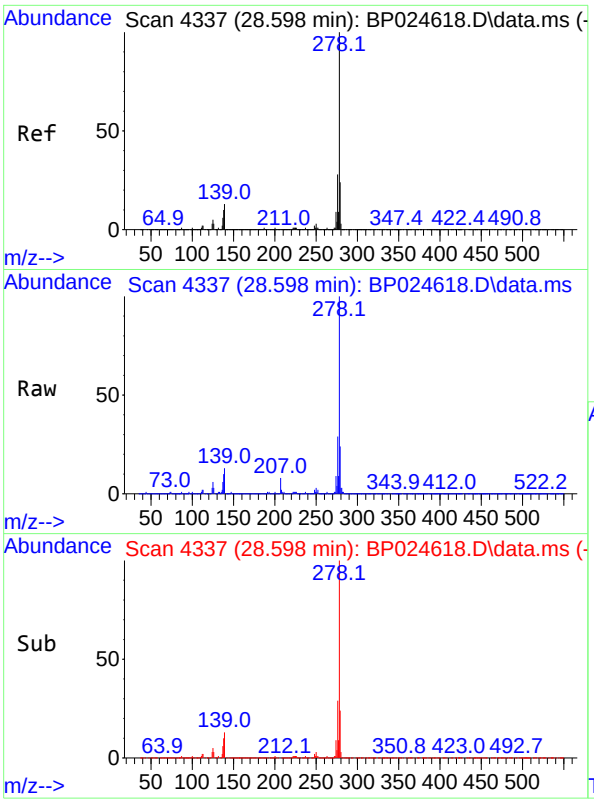



#90
Benzo(a)pyrene
Concen: 38.71 ng
RT: 24.645 min Scan# 3665
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:252 Resp: 1979017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.7 | 26.5 |
| 125 | 10.1 | 8.1 | 12.1 |

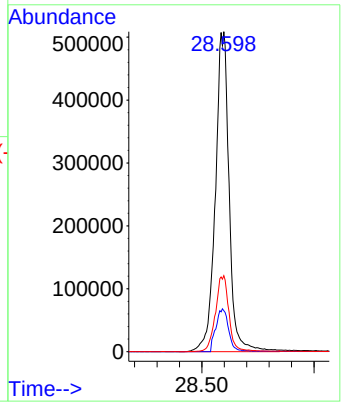





#91
Dibenzo(a,h)anthracene
Concen: 39.30 ng
RT: 28.598 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:278 Resp: 217071

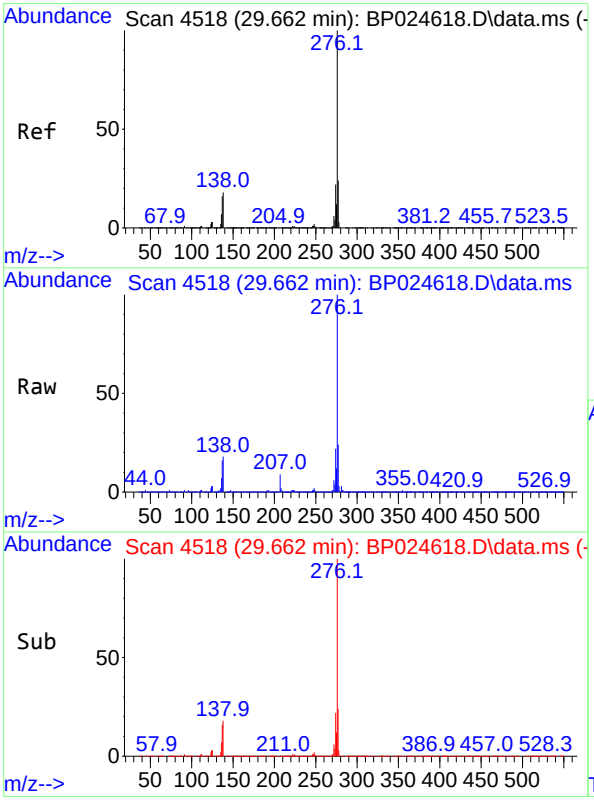
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 12.8 | 10.2 | 15.4 |
| 279 | 23.7 | 19.0 | 28.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

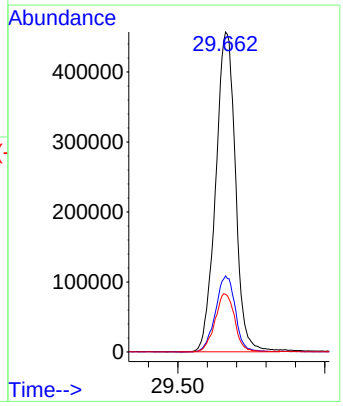
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025




#92
Benzo(g,h,i)perylene
Concen: 38.84 ng
RT: 29.662 min Scan# 4518
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:276 Resp: 2132921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 19.0 | 28.4 |
| 138 | 18.0 | 14.4 | 21.6 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024619.D
Acq On : 13 May 2025 14:05
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Quant Time: May 13 16:07:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.663 | 152 | 111395 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.434 | 136 | 489806 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.292 | 164 | 318760 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.086 | 188 | 628781 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.522 | 240 | 717340 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.810 | 264 | 811421 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.287 | 112 | 708626 | 108.80 | ng | | 0.00 |
| 7) Phenol-d6 | 6.852 | 99 | 930484 | 111.94 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.810 | 82 | 1049445 | 108.26 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.810 | 330 | 587523 | 108.72 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.904 | 172 | 2553765 | 104.96 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.822 | 244 | 4398872 | 105.15 | ng | | 0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.228 | 88 | 156571 | 51.20 | ng | | 98 |
| 3) Pyridine | 3.622 | 79 | 379522 | 55.97 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.534 | 42 | 161654 | 54.00 | ng | | 99 |
| 6) Aniline | 7.005 | 93 | 593141 | 55.27 | ng | | 99 |
| 8) 2-Chlorophenol | 7.240 | 128 | 408016 | 55.19 | ng | | 99 |
| 9) Benzaldehyde | 6.822 | 77 | 290405 | 54.06 | ng | | 100 |
| 10) Phenol | 6.881 | 94 | 475413 | 55.41 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.093 | 93 | 377787 | 53.59 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 7.552 | 146 | 451750 | 53.11 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.699 | 146 | 455796 | 53.28 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.010 | 146 | 439707 | 52.74 | ng | | 100 |
| 15) Benzyl Alcohol | 7.910 | 79 | 363689 | 57.58 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.181 | 45 | 450215 | 53.33 | ng | | 98 |
| 17) 2-Methylphenol | 8.110 | 107 | 347065 | 56.40 | ng | | 98 |
| 18) Hexachloroethane | 8.728 | 117 | 173580 | 52.95 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.463 | 70 | 318058 | 55.32 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.440 | 107 | 474048 | 56.64 | ng | | 98 |
| 22) Acetophenone | 8.481 | 105 | 653878 | 53.44 | ng | # | 98 |
| 24) Nitrobenzene | 8.852 | 77 | 456929 | 53.56 | ng | | 99 |
| 25) Isophorone | 9.375 | 82 | 921892 | 54.82 | ng | | 99 |
| 26) 2-Nitrophenol | 9.557 | 139 | 239844 | 57.38 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.628 | 122 | 402585 | 54.62 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 9.852 | 93 | 542581 | 54.01 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.099 | 162 | 400983 | 56.14 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.299 | 180 | 424561 | 52.75 | ng | | 97 |
| 31) Naphthalene | 10.481 | 128 | 1336265 | 52.65 | ng | | 100 |
| 32) Benzoic acid | 9.787 | 122 | 263657 | 50.71 | ng | | 99 |
| 33) 4-Chloroaniline | 10.599 | 127 | 569812 | 55.63 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.769 | 225 | 271578 | 52.09 | ng | | 99 |
| 35) Caprolactam | 11.393 | 113 | 148586 | 57.53 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 11.734 | 107 | 478787 | 54.97 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.093 | 142 | 873274 | 53.13 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.316 | 142 | 919827 | 52.31 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.469 | 216 | 497848 | 53.78 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.446 | 237 | 334752 | 59.64 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 12.716 | 196 | 341059 | 56.89 | ng | | 98 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024619.D
Acq On : 13 May 2025 14:05
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Quant Time: May 13 16:07:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

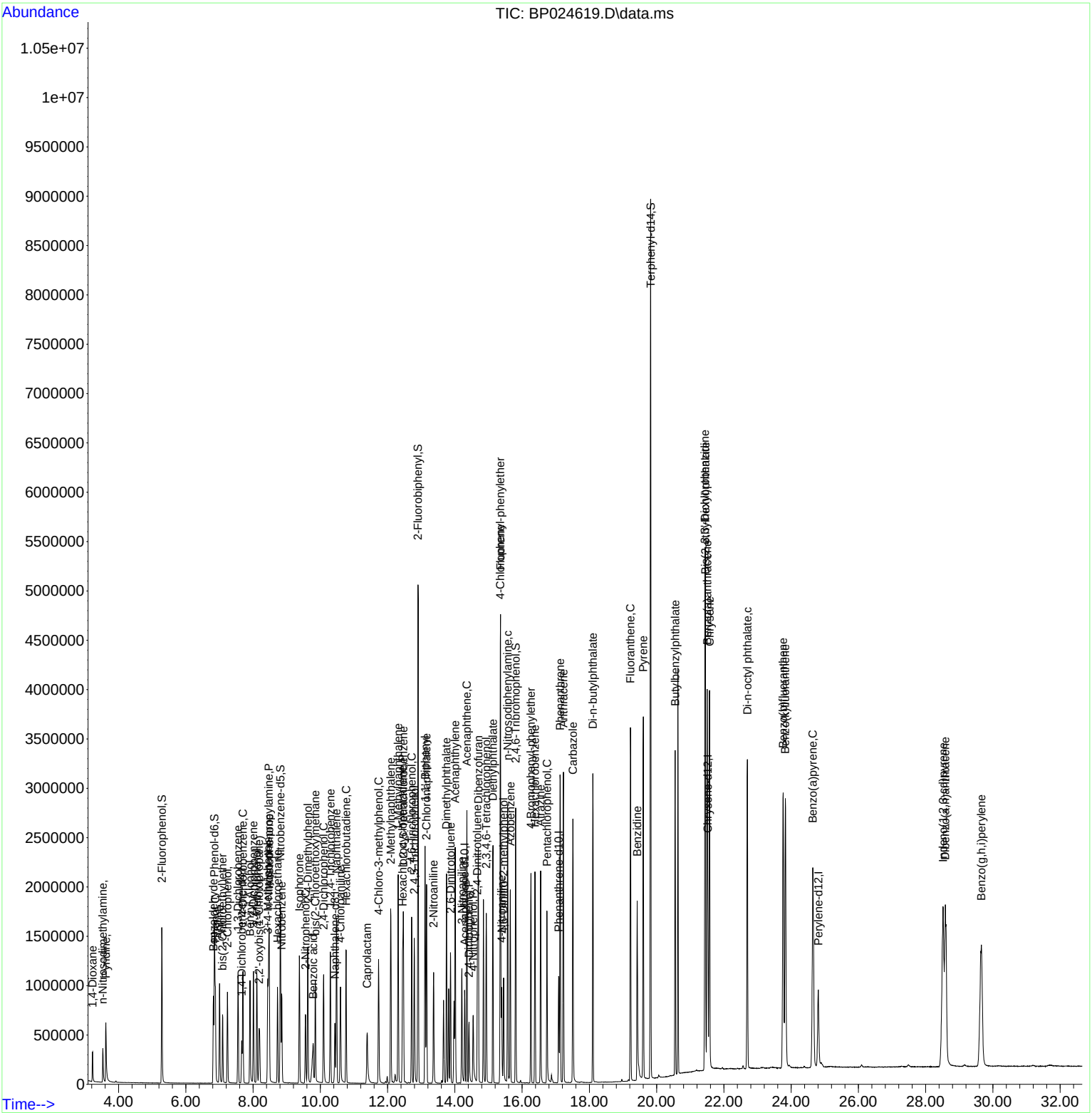
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.793 | 196 | 375330 | 56.24 | ng | 98 |
| 46) 1,1'-Biphenyl | 13.116 | 154 | 1263640 | 53.64 | ng | 100 |
| 47) 2-Chloronaphthalene | 13.157 | 162 | 952857 | 53.04 | ng | 99 |
| 48) 2-Nitroaniline | 13.369 | 65 | 303475 | 57.06 | ng | 99 |
| 49) Acenaphthylene | 14.010 | 152 | 1616938 | 53.79 | ng | 100 |
| 50) Dimethylphthalate | 13.751 | 163 | 1283491 | 52.83 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 13.875 | 165 | 281728 | 54.91 | ng | 99 |
| 52) Acenaphthene | 14.357 | 154 | 923238 | 53.42 | ng | 100 |
| 53) 3-Nitroaniline | 14.210 | 138 | 302341 | 57.71 | ng | 99 |
| 54) 2,4-Dinitrophenol | 14.422 | 184 | 159888 | 51.86 | ng | 98 |
| 55) Dibenzofuran | 14.698 | 168 | 1447333 | 52.50 | ng | 99 |
| 56) 4-Nitrophenol | 14.545 | 139 | 238294 | 53.99 | ng | 99 |
| 57) 2,4-Dinitrotoluene | 14.669 | 165 | 404684 | 55.94 | ng | 98 |
| 58) Fluorene | 15.357 | 166 | 1190632 | 52.97 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.934 | 232 | 341204 | 55.11 | ng | 100 |
| 60) Diethylphthalate | 15.134 | 149 | 1305791 | 53.18 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.351 | 204 | 590421 | 52.67 | ng | 97 |
| 62) 4-Nitroaniline | 15.392 | 138 | 298681 | 58.55 | ng | 99 |
| 63) Azobenzene | 15.651 | 77 | 1121556 | 53.39 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.451 | 198 | 234095 | 57.64 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 15.569 | 169 | 1048396 | 54.28 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.263 | 248 | 396385 | 53.50 | ng | 99 |
| 68) Hexachlorobenzene | 16.381 | 284 | 504987 | 53.64 | ng | 99 |
| 69) Atrazine | 16.551 | 200 | 389749 | 55.07 | ng | 100 |
| 70) Pentachlorophenol | 16.739 | 266 | 310477 | 58.71 | ng | 98 |
| 71) Phenanthrene | 17.128 | 178 | 1838891 | 52.61 | ng | 100 |
| 72) Anthracene | 17.228 | 178 | 1894573 | 53.87 | ng | 100 |
| 73) Carbazole | 17.510 | 167 | 1750681 | 55.00 | ng | 100 |
| 74) Di-n-butylphthalate | 18.104 | 149 | 2275163 | 55.58 | ng | 100 |
| 75) Fluoranthene | 19.222 | 202 | 2199818 | 53.84 | ng | 100 |
| 77) Benzidine | 19.422 | 184 | 1178505 | 59.85 | ng | 99 |
| 78) Pyrene | 19.604 | 202 | 2282702 | 53.11 | ng | 100 |
| 80) Butylbenzylphthalate | 20.551 | 149 | 1083395 | 56.68 | ng | 97 |
| 81) Benzo(a)anthracene | 21.504 | 228 | 2396398 | 53.20 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.439 | 252 | 966906 | 57.80 | ng | 100 |
| 83) Chrysene | 21.574 | 228 | 2250800 | 52.71 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.451 | 149 | 1585070 | 56.42 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.698 | 149 | 2614856 | 56.91 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.515 | 276 | 3262830 | 55.06 | ng | 99 |
| 88) Benzo(b)fluoranthene | 23.763 | 252 | 2612438 | 56.25 | ng | 99 |
| 89) Benzo(k)fluoranthene | 23.827 | 252 | 2552663 | 53.34 | ng | 99 |
| 90) Benzo(a)pyrene | 24.645 | 252 | 2475976 | 55.51 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 28.586 | 278 | 2679367 | 55.60 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 29.656 | 276 | 2625625 | 54.79 | ng | 99 |

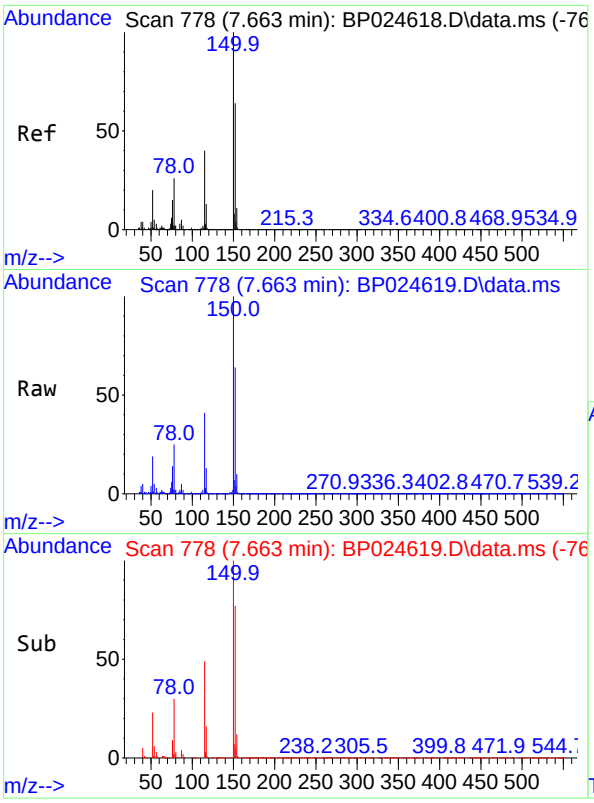
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024619.D
Acq On : 13 May 2025 14:05
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Quant Time: May 13 16:07:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration



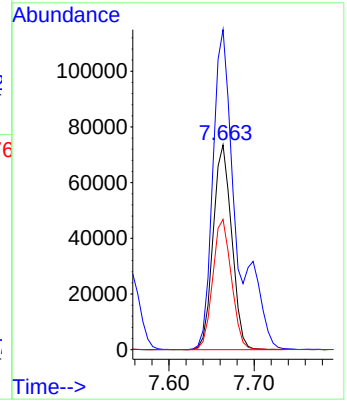


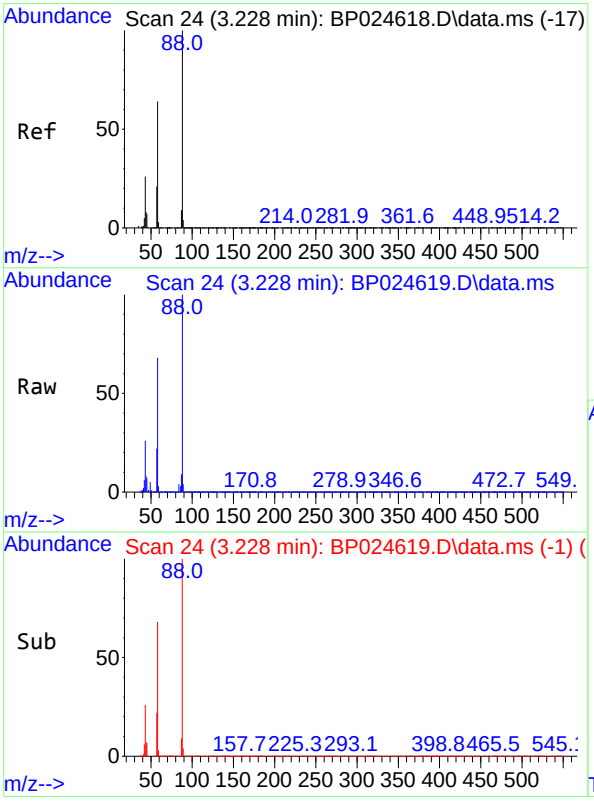

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:152 Resp: 111395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.2 | 125.9 | 188.9 |
| 115 | 63.6 | 50.1 | 75.1 |

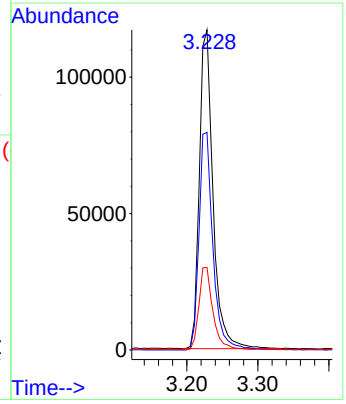


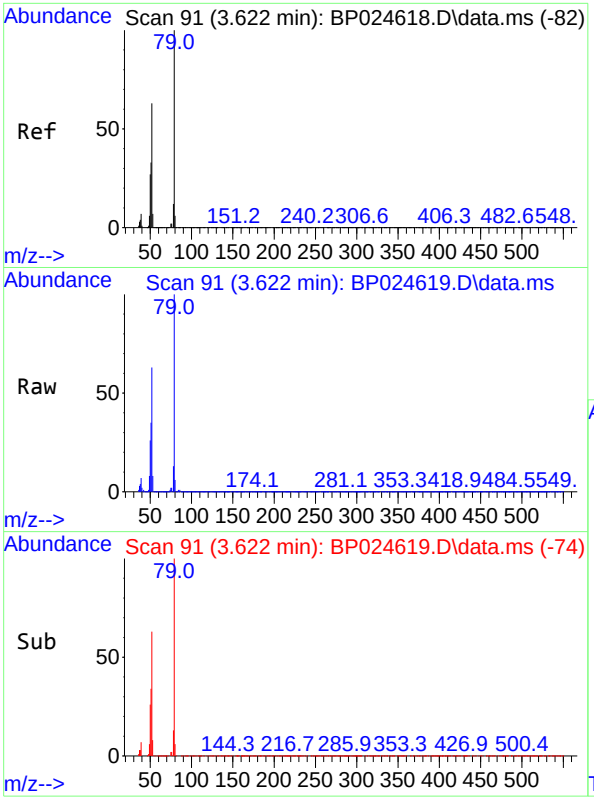




#2
1,4-Dioxane
Concen: 51.20 ng
RT: 3.228 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion: 88 Resp: 156571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 70.0 | 54.0 | 81.0 |
| 43 | 26.5 | 21.4 | 32.0 |



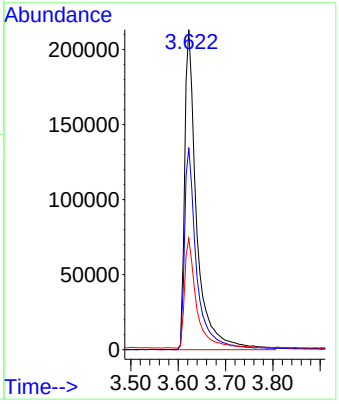


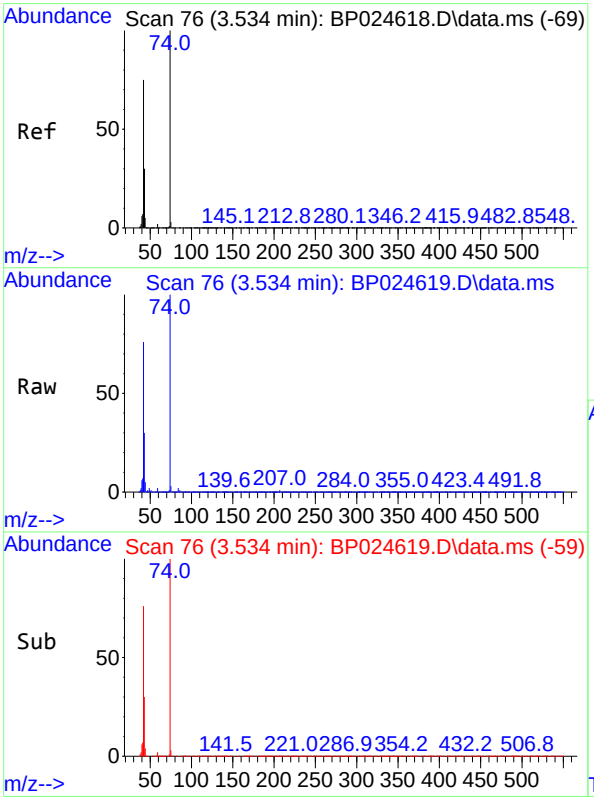

#3
Pyridine
Concen: 55.97 ng
RT: 3.622 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 79 Resp: 379522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 63.2 | 50.2 | 75.2 |
| 51 | 34.8 | 26.8 | 40.2 |

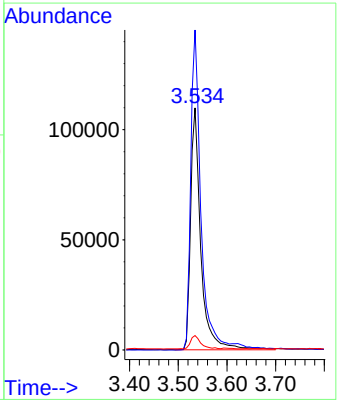


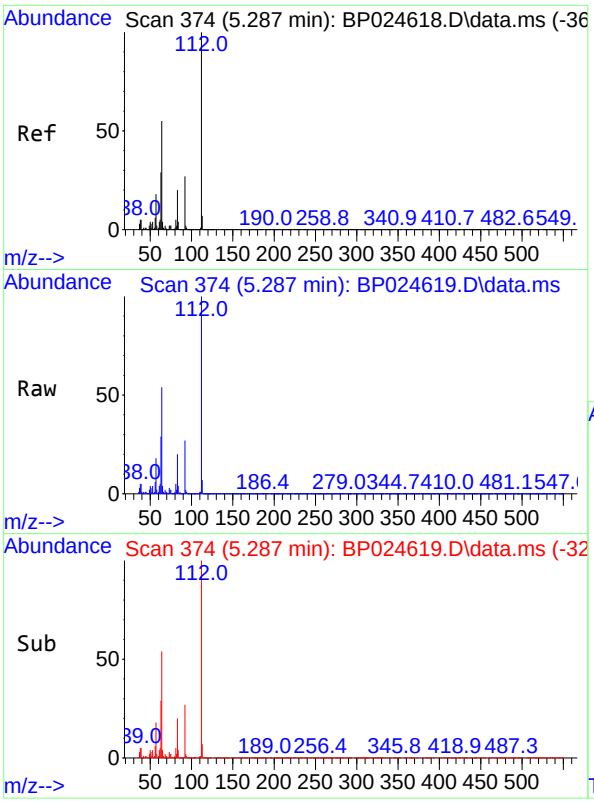




#4
n-Nitrosodimethylamine
Concen: 54.00 ng
RT: 3.534 min Scan# 76
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion: 42 Resp: 161654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 132.2 | 106.2 | 159.2 |
| 44 | 6.0 | 5.4 | 8.2 |



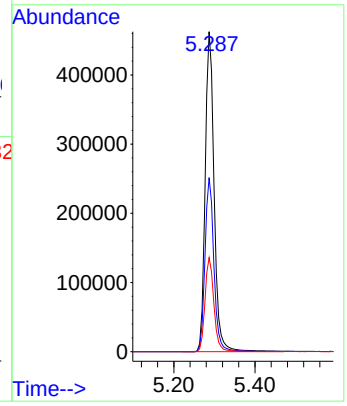


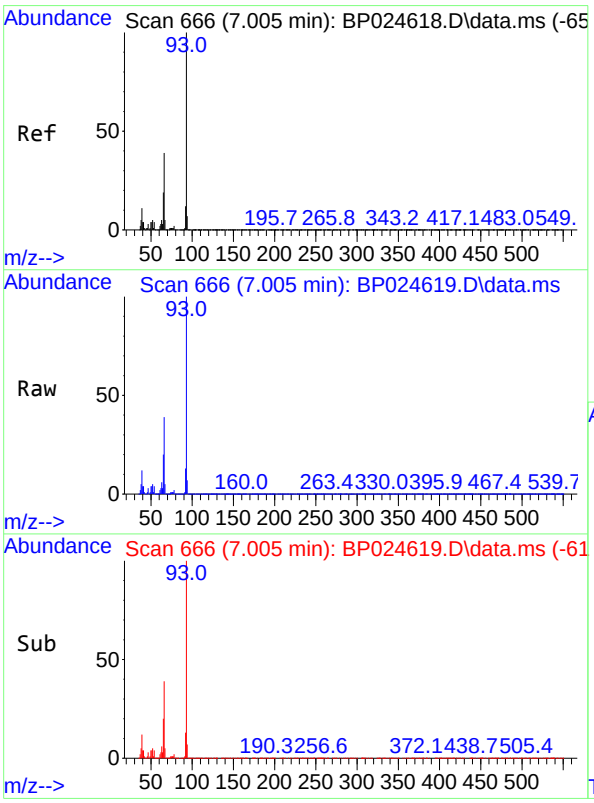

#5
2-Fluorophenol
Concen: 108.80 ng
RT: 5.287 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:112 Resp: 708626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.4 | 44.1 | 66.1 |
| 63 | 29.4 | 23.5 | 35.3 |

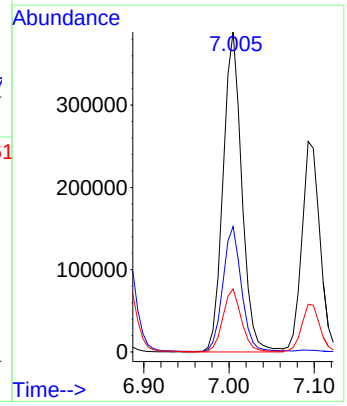


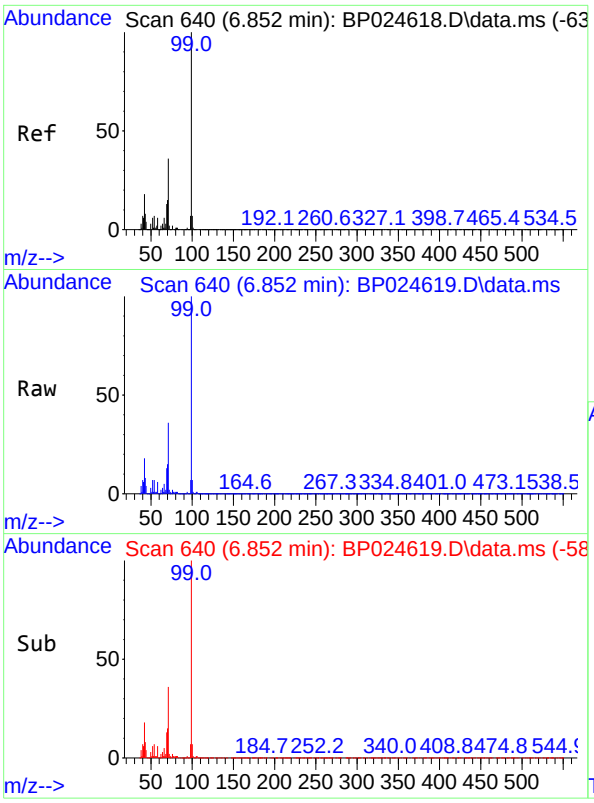




#6
Aniline
Concen: 55.27 ng
RT: 7.005 min Scan# 666
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion: 93 Resp: 593141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.2 | 31.0 | 46.6 |
| 65 | 19.7 | 15.5 | 23.3 |



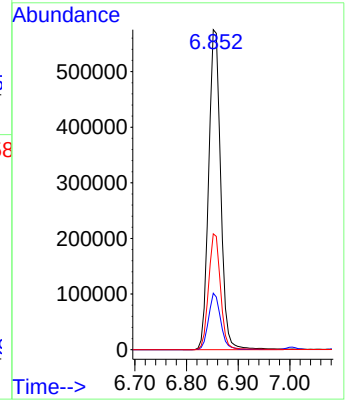


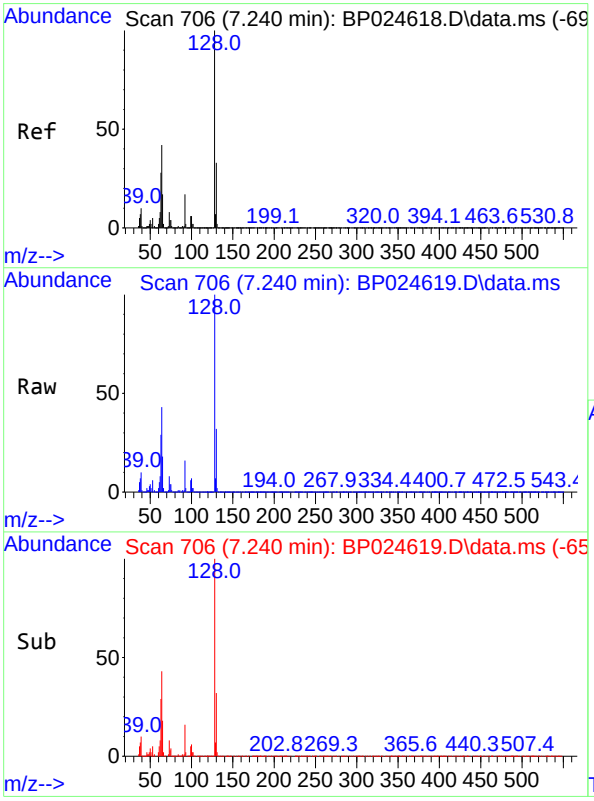

#7
Phenol-d6
Concen: 111.94 ng
RT: 6.852 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 99 Resp: 930484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.7 | 14.4 | 21.6 |
| 71 | 36.2 | 29.2 | 43.8 |

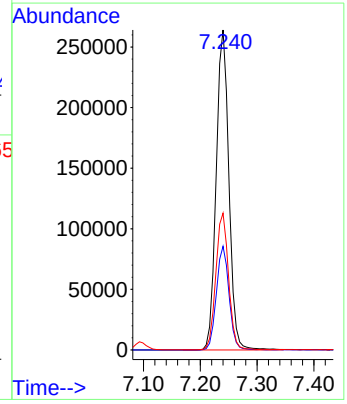


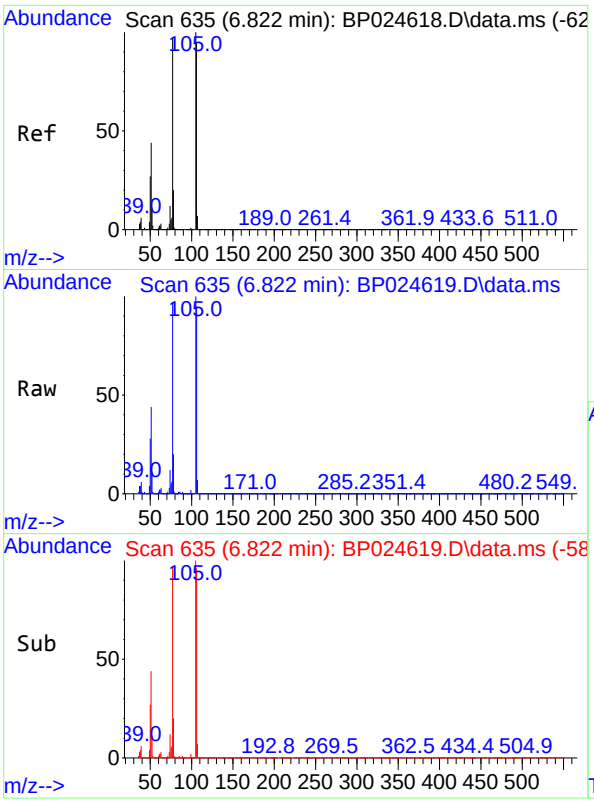




#8
2-Chlorophenol
Concen: 55.19 ng
RT: 7.240 min Scan# 706
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:128 Resp: 408016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.4 | 13.0 | 53.0 |
| 64 | 42.8 | 22.3 | 62.3 |



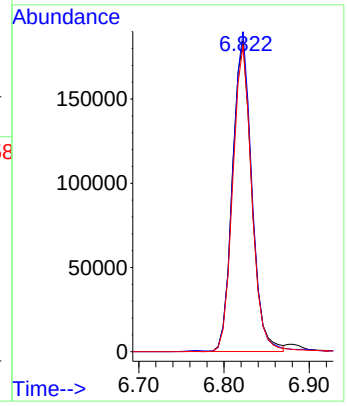


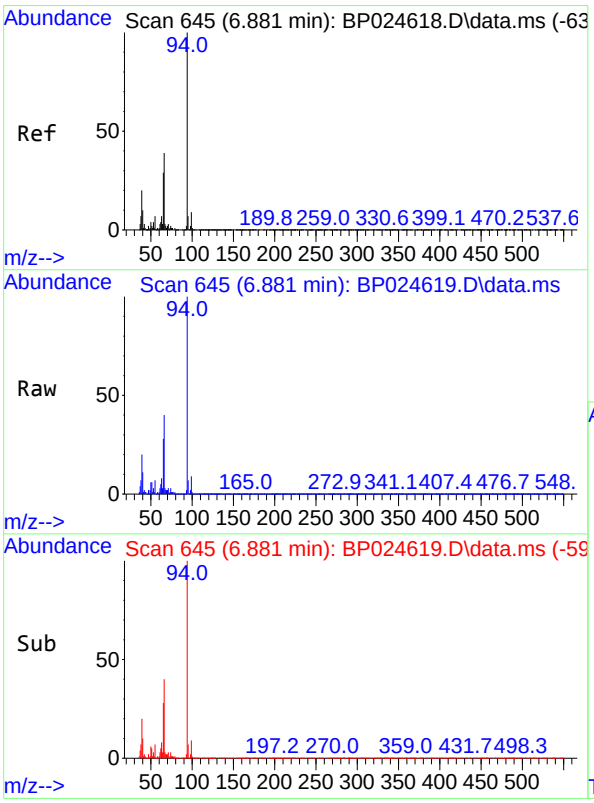

#9
Benzaldehyde
Concen: 54.06 ng
RT: 6.822 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 77 Resp: 290405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 103.0 | 83.3 | 123.3 |
| 106 | 98.4 | 78.0 | 118.0 |

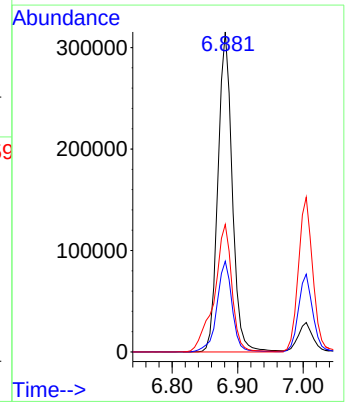


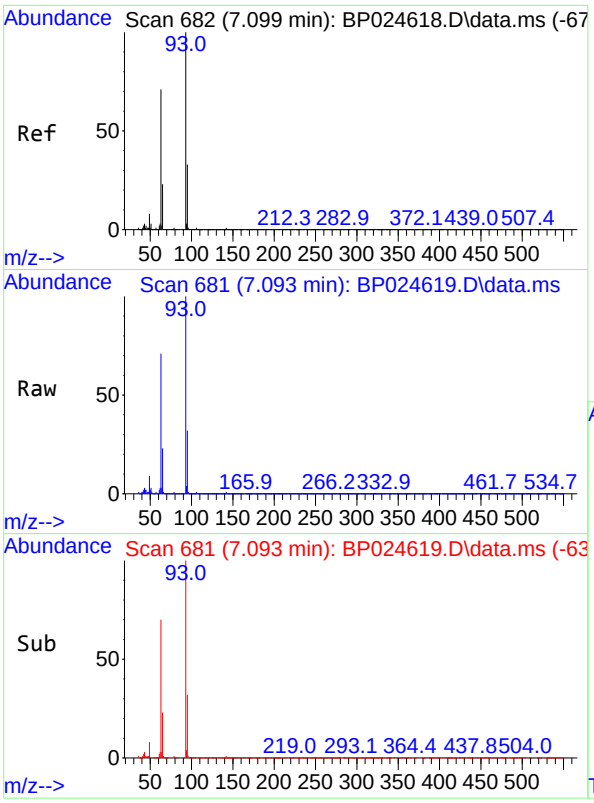




#10
Phenol
Concen: 55.41 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion: 94 Resp: 475413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.3 | 8.7 | 48.7 |
| 66 | 39.9 | 19.4 | 59.4 |



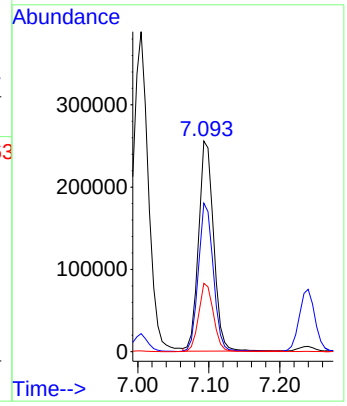


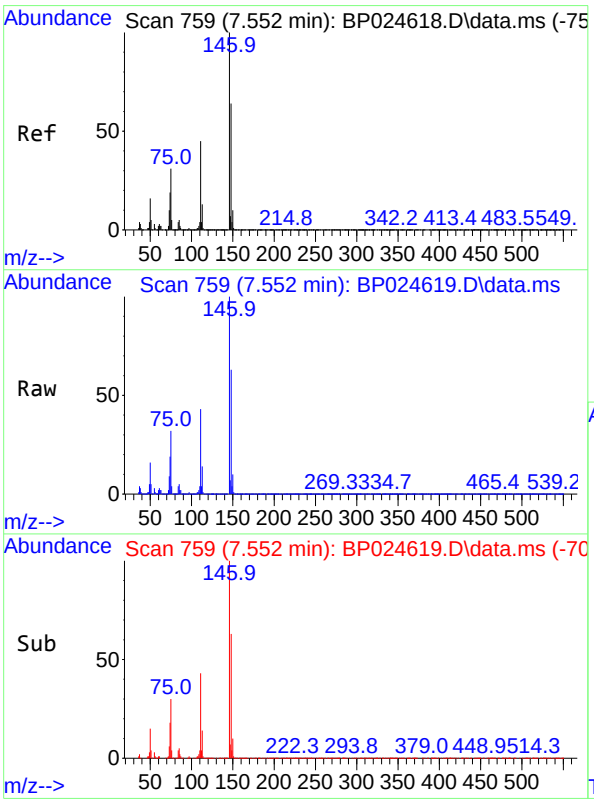

#11
bis(2-Chloroethyl)ether
Concen: 53.59 ng
RT: 7.093 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 93 Resp: 377787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 70.5 | 50.6 | 90.6 |
| 95 | 32.5 | 12.9 | 52.9 |

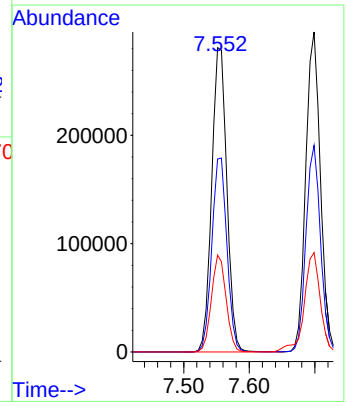


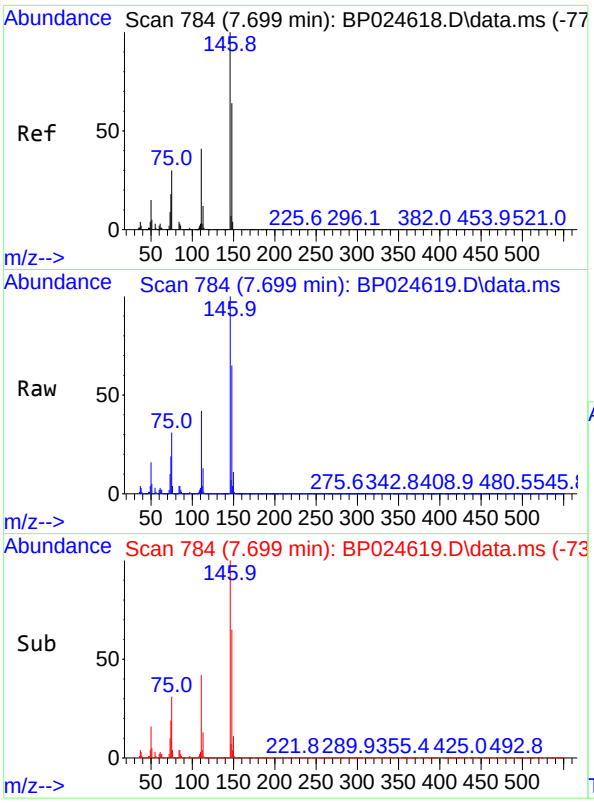




#12
1,3-Dichlorobenzene
Concen: 53.11 ng
RT: 7.552 min Scan# 759
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:146 Resp: 451750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.4 | 51.4 | 77.2 |
| 75 | 31.9 | 25.2 | 37.8 |



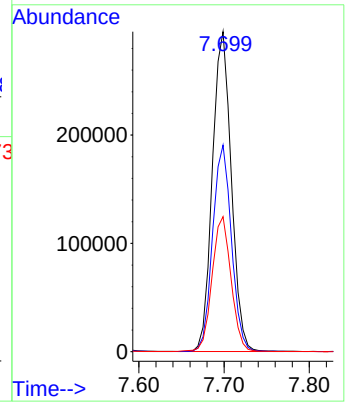


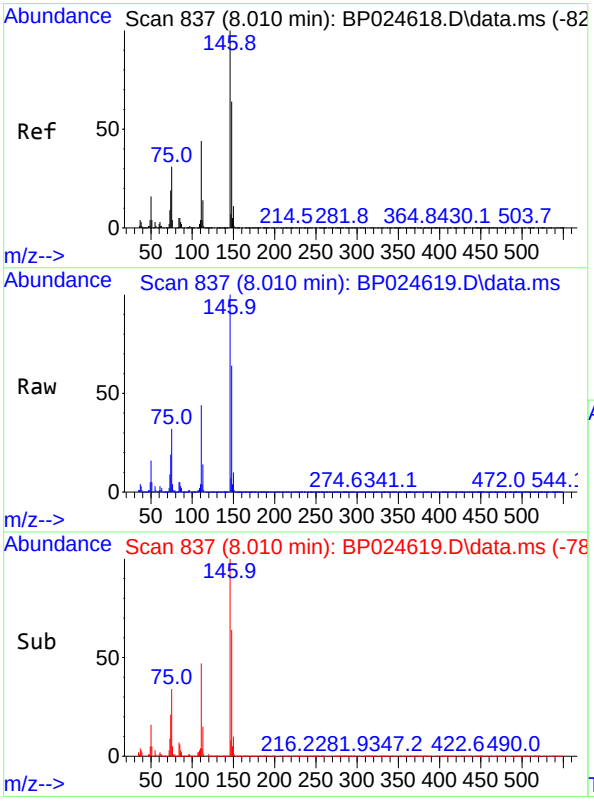

#13
1,4-Dichlorobenzene
Concen: 53.28 ng
RT: 7.699 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:146 Resp: 455796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.5 | 51.0 | 76.6 |
| 111 | 42.2 | 33.0 | 49.6 |

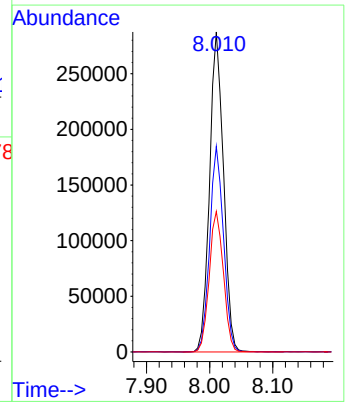


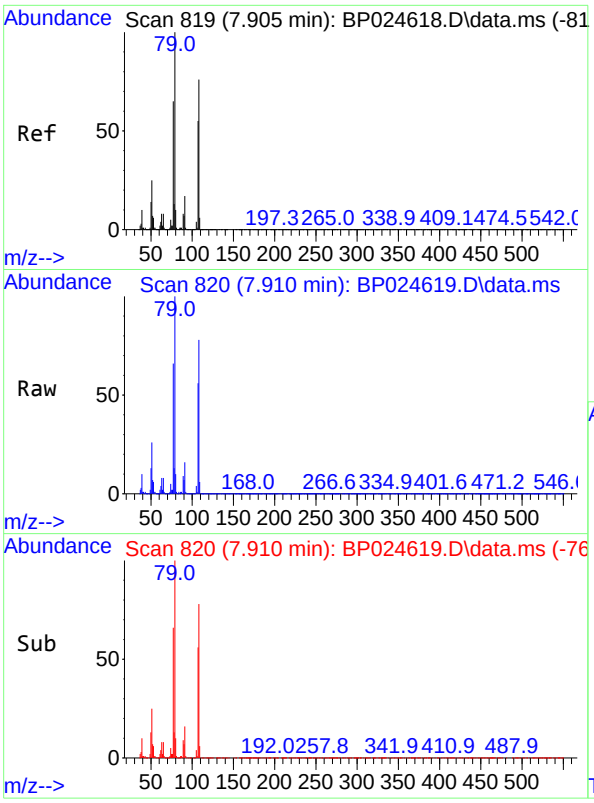




#14
1,2-Dichlorobenzene
Concen: 52.74 ng
RT: 8.010 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:146 Resp: 439707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.0 | 76.4 |
| 111 | 43.9 | 35.2 | 52.8 |



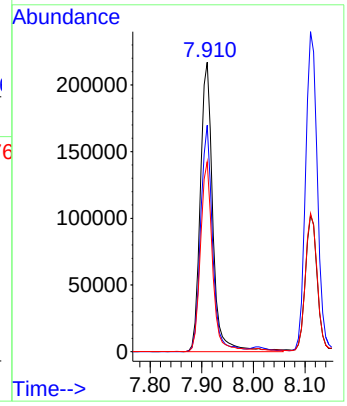


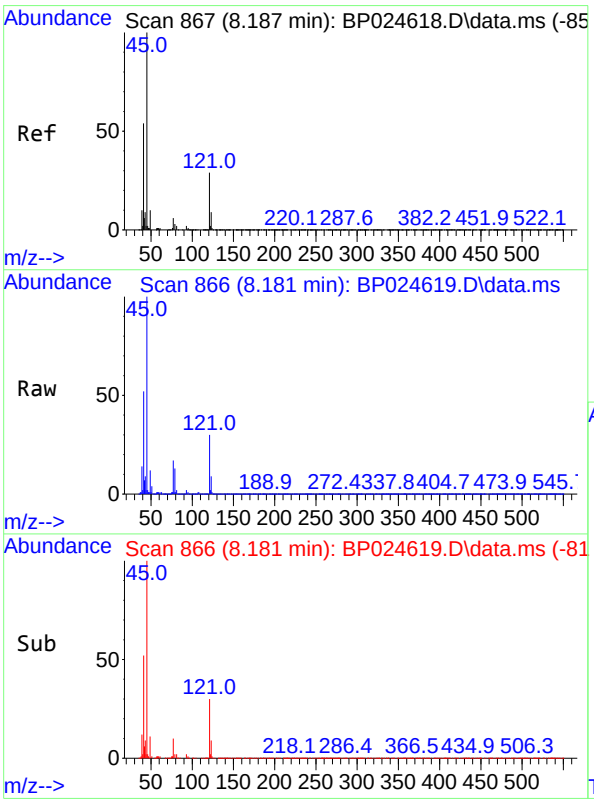

#15
Benzyl Alcohol
Concen: 57.58 ng
RT: 7.910 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 79 Resp: 363689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 78.2 | 60.8 | 91.2 |
| 77 | 65.6 | 51.9 | 77.9 |

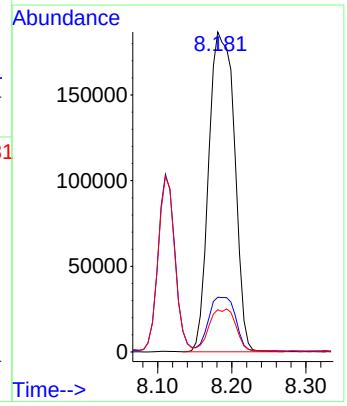


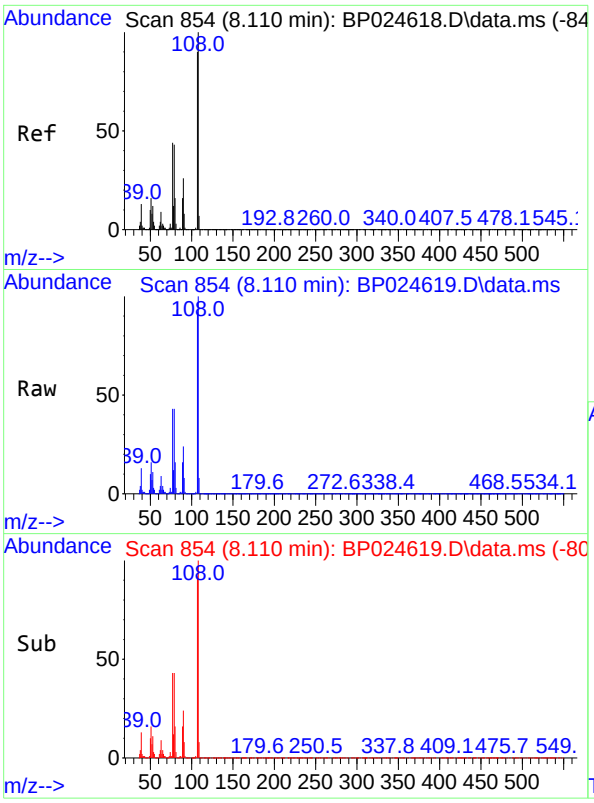




#16
2,2'-oxybis(1-Chloropropane)
Concen: 53.33 ng
RT: 8.181 min Scan# 866
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion: 45 Resp: 450215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 17.1 | 0.0 | 37.7 |
| 79 | 13.2 | 0.0 | 34.0 |



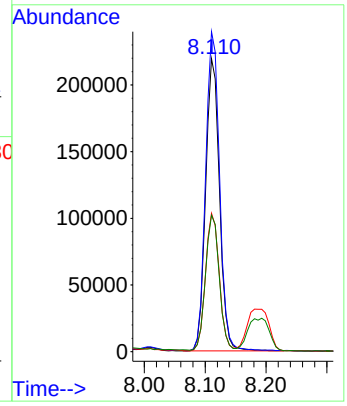


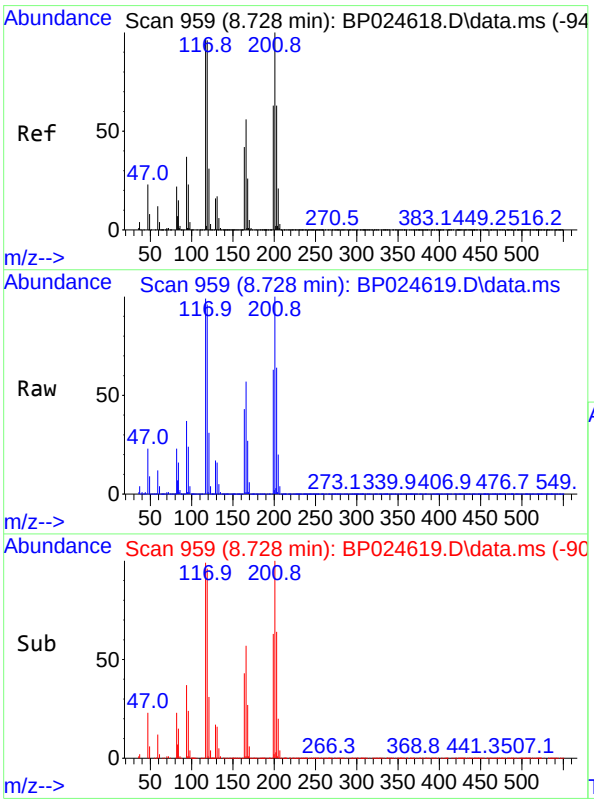

#17
2-Methylphenol
Concen: 56.40 ng
RT: 8.110 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:107 Resp: 347065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 109.2 | 88.9 | 133.3 |
| 77 | 47.2 | 39.0 | 58.6 |
| 79 | 46.6 | 38.4 | 57.6 |

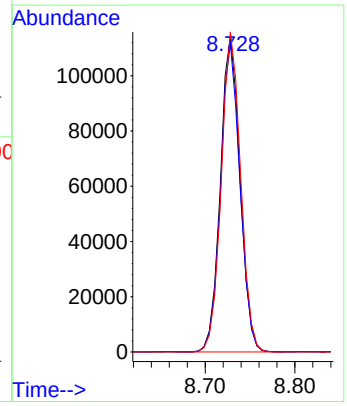


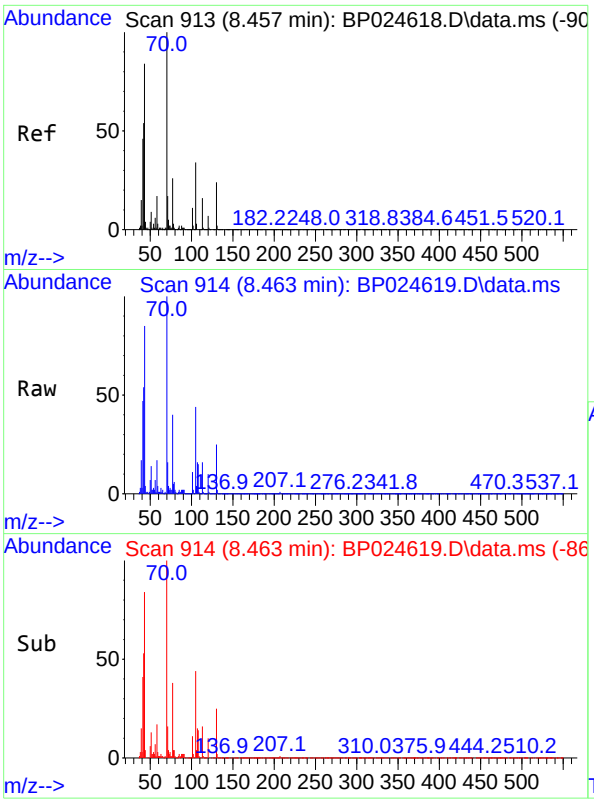




#18
Hexachloroethane
Concen: 52.95 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:117 Resp: 173580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.5 | 79.4 | 119.0 |
| 201 | 101.3 | 82.7 | 124.1 |



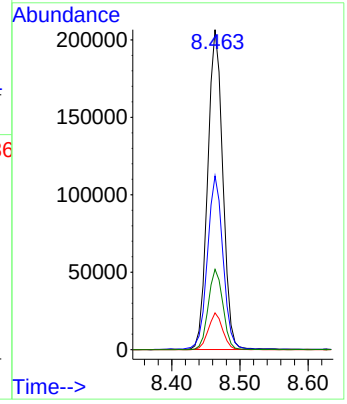


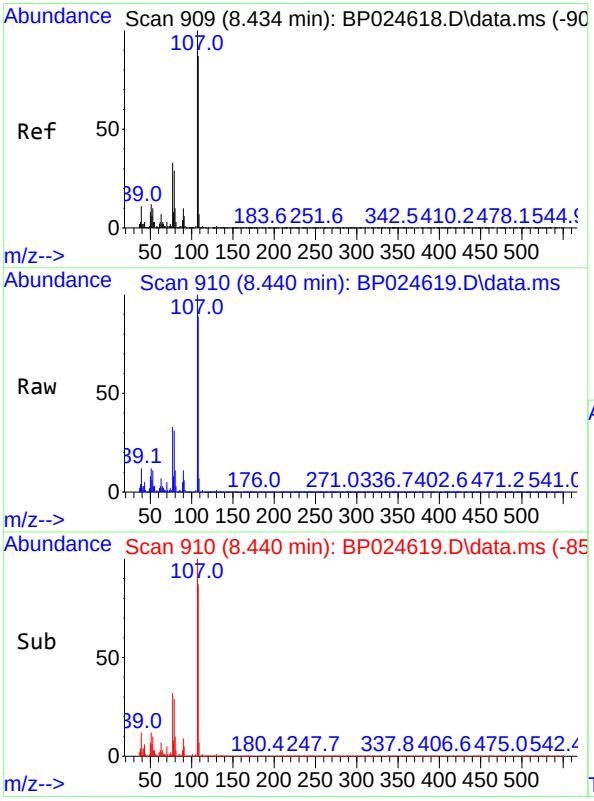

#19
n-Nitroso-di-n-propylamine
Concen: 55.32 ng
RT: 8.463 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 70 Resp: 318058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 54.3 | 43.0 | 64.6 |
| 101 | 11.5 | 8.7 | 13.1 |
| 130 | 25.1 | 19.4 | 29.0 |

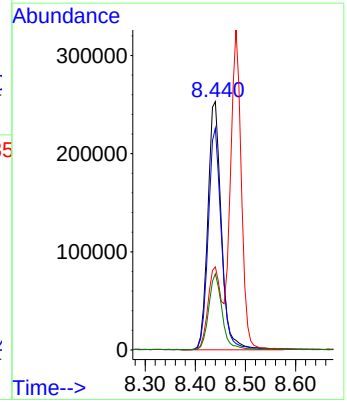


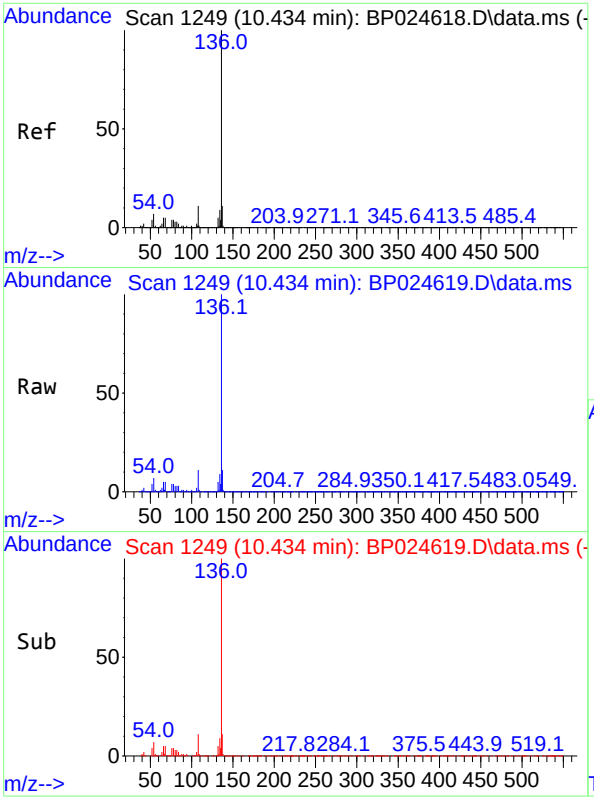




#20
3+4-Methylphenols
Concen: 56.64 ng
RT: 8.440 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:107 Resp: 474048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.3 | 66.7 | 106.7 |
| 77 | 33.4 | 13.1 | 53.1 |
| 79 | 30.7 | 8.9 | 48.9 |



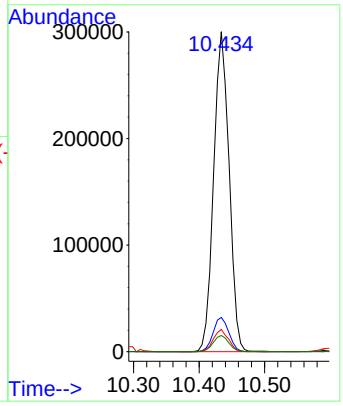


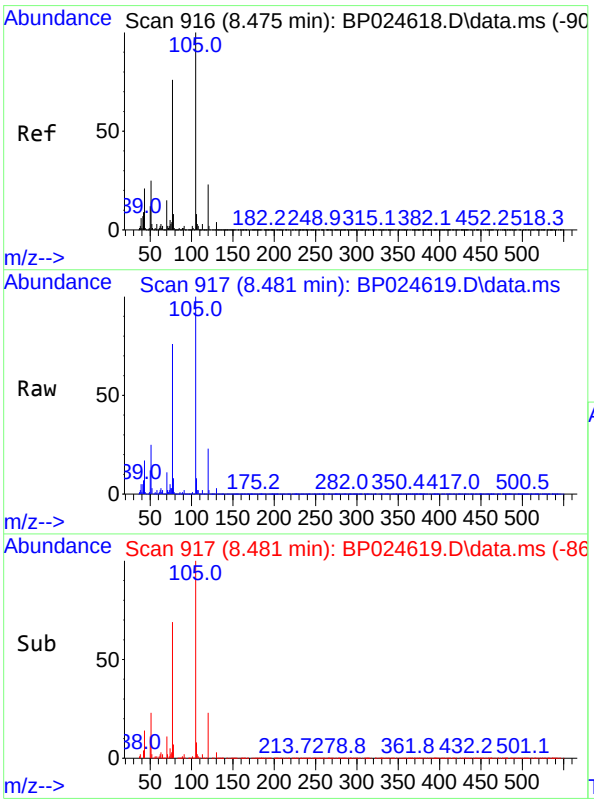

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:136 Resp: 489806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.8 | 13.2 |
| 54 | 7.0 | 5.5 | 8.3 |
| 68 | 5.0 | 4.2 | 6.2 |

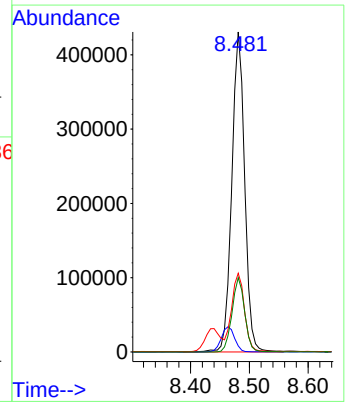


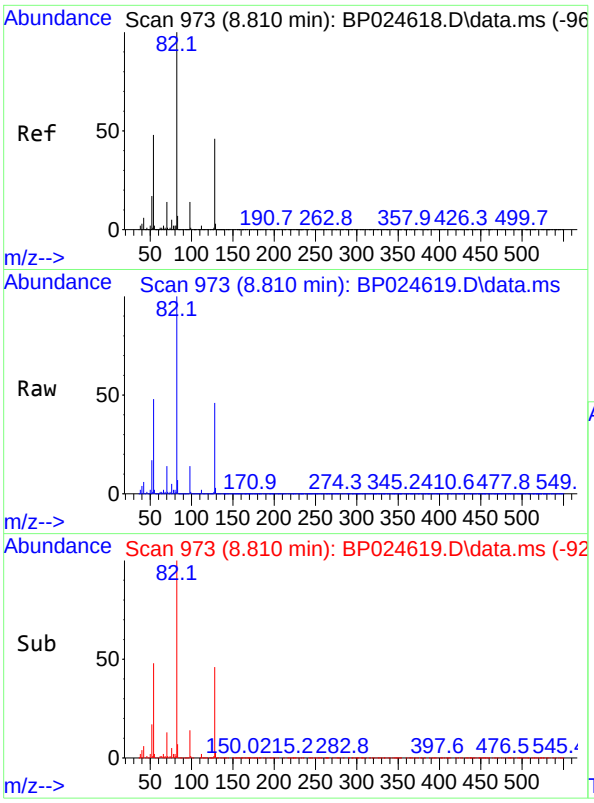




#22
Acetophenone
Concen: 53.44 ng
RT: 8.481 min Scan# 917
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:105 Resp: 653878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 1.9 | 2.0 | 3.0# |
| 51 | 24.6 | 20.4 | 30.6 |
| 120 | 23.2 | 18.1 | 27.1 |



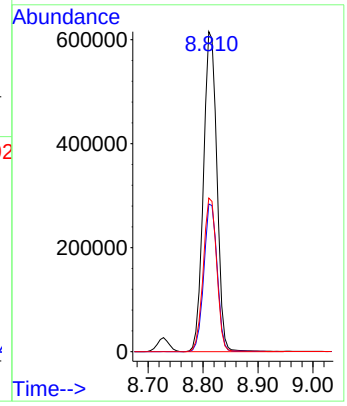


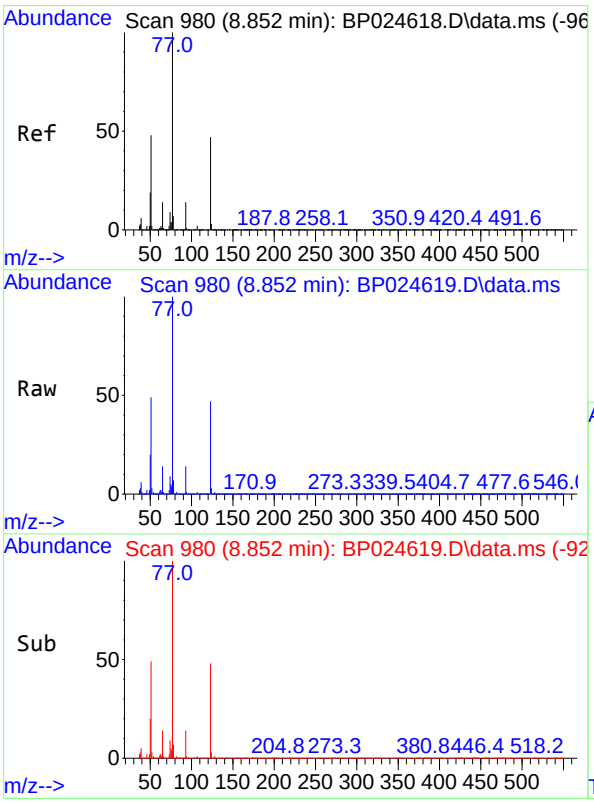

#23
Nitrobenzene-d5
Concen: 108.26 ng
RT: 8.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 82 Resp: 1049445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.1 | 37.0 | 55.4 |
| 54 | 48.0 | 38.7 | 58.1 |

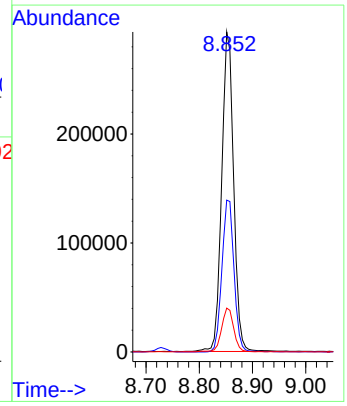


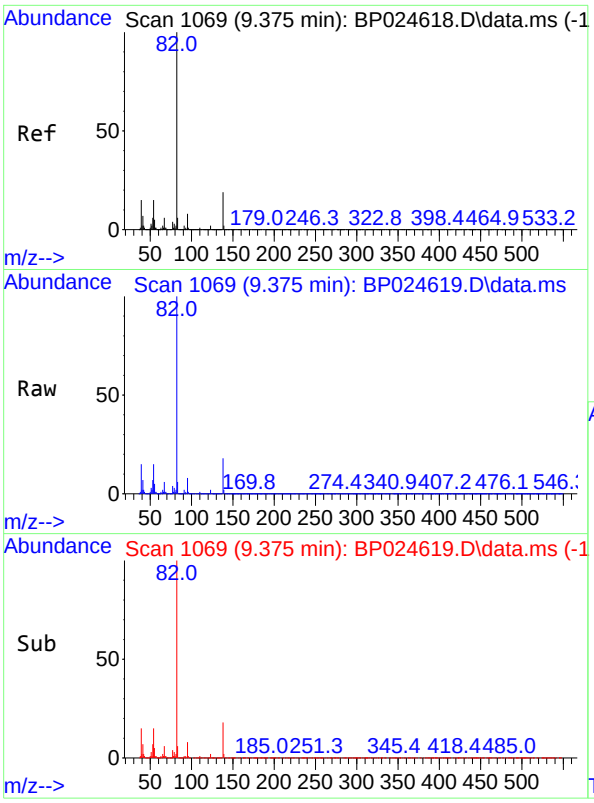




#24
Nitrobenzene
Concen: 53.56 ng
RT: 8.852 min Scan# 980
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion: 77 Resp: 456929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.4 | 37.4 | 56.0 |
| 65 | 13.7 | 11.3 | 16.9 |



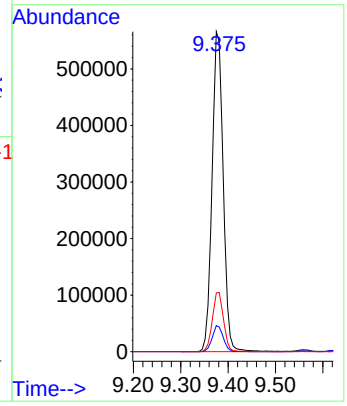


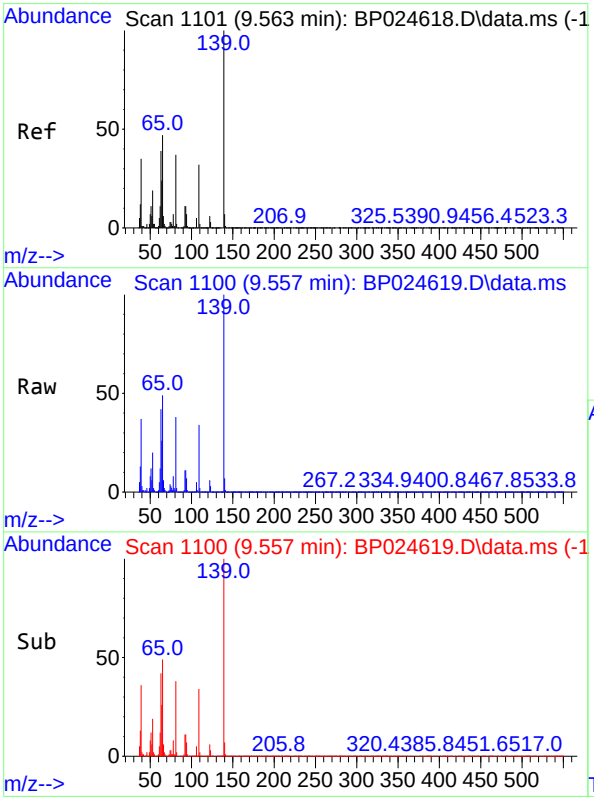

#25
Isophorone
Concen: 54.82 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 82 Resp: 921892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.2 | 6.3 | 9.5 |
| 138 | 18.3 | 15.3 | 22.9 |

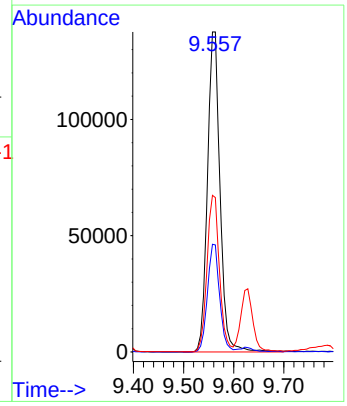


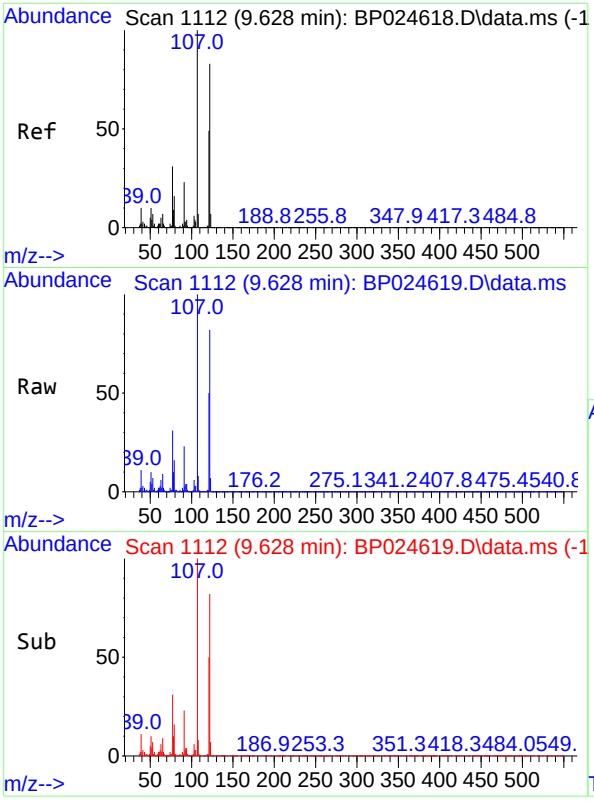




#26
2-Nitrophenol
Concen: 57.38 ng
RT: 9.557 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:139 Resp: 239844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 33.6 | 25.9 | 38.9 |
| 65 | 49.0 | 37.9 | 56.9 |



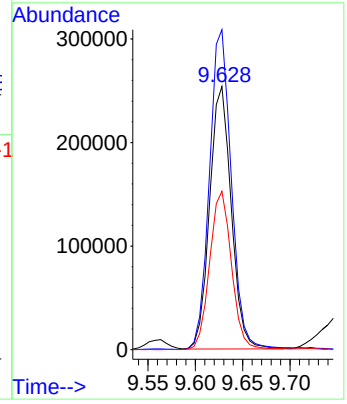


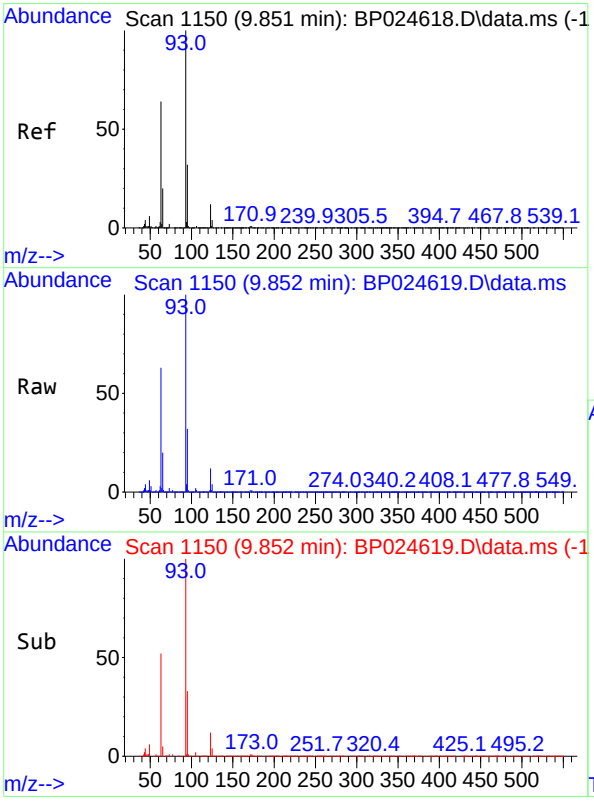

#27
2,4-Dimethylphenol
Concen: 54.62 ng
RT: 9.628 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:122 Resp: 402585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 121.6 | 96.2 | 144.2 |
| 121 | 60.2 | 47.6 | 71.4 |

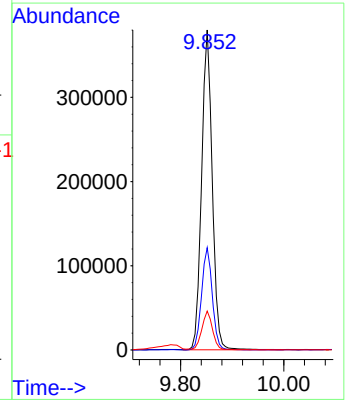


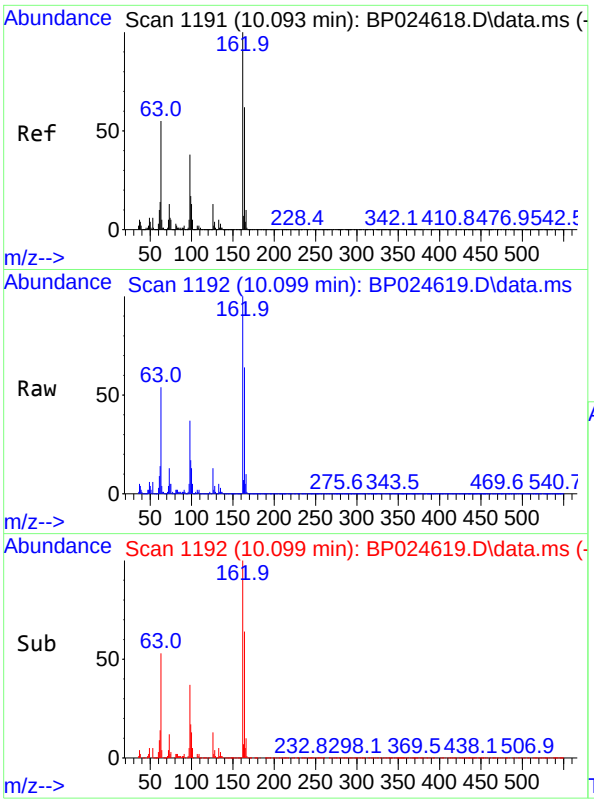




#28
bis(2-Chloroethoxy)methane
Concen: 54.01 ng
RT: 9.852 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion: 93 Resp: 542581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 31.9 | 25.5 | 38.3 |
| 123 | 12.2 | 9.7 | 14.5 |



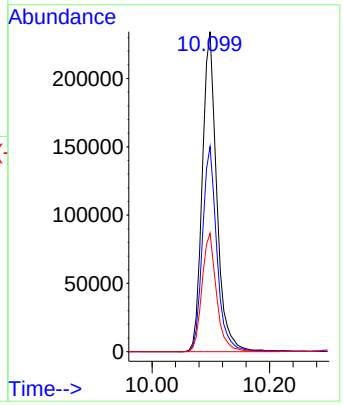


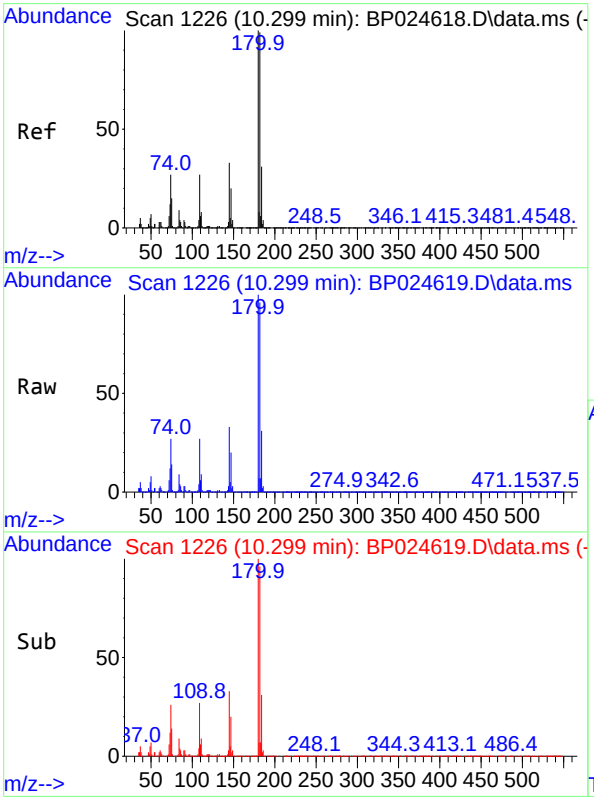

#29
2,4-Dichlorophenol
Concen: 56.14 ng
RT: 10.099 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:162 Resp: 400983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.1 | 42.3 | 82.3 |
| 98 | 37.0 | 18.4 | 58.4 |

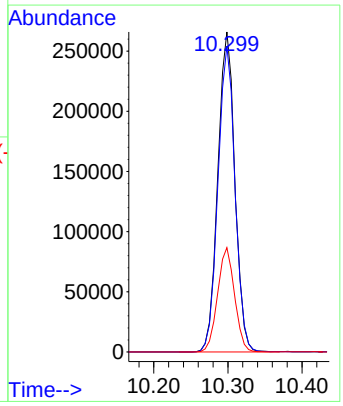


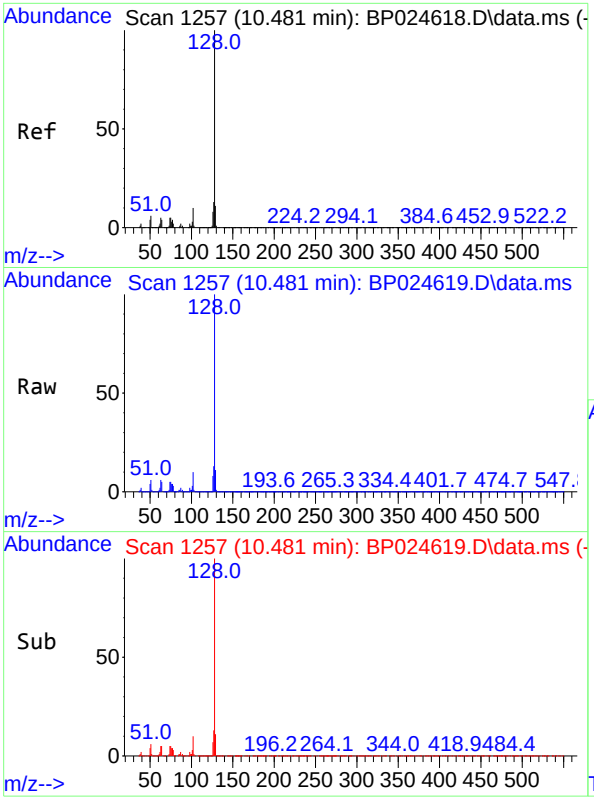




#30
1,2,4-Trichlorobenzene
Concen: 52.75 ng
RT: 10.299 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:180 Resp: 424561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 79.0 | 118.4 |
| 145 | 32.6 | 26.6 | 39.8 |



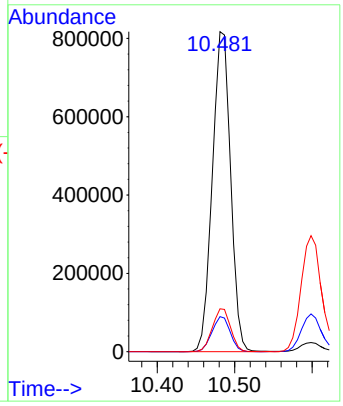


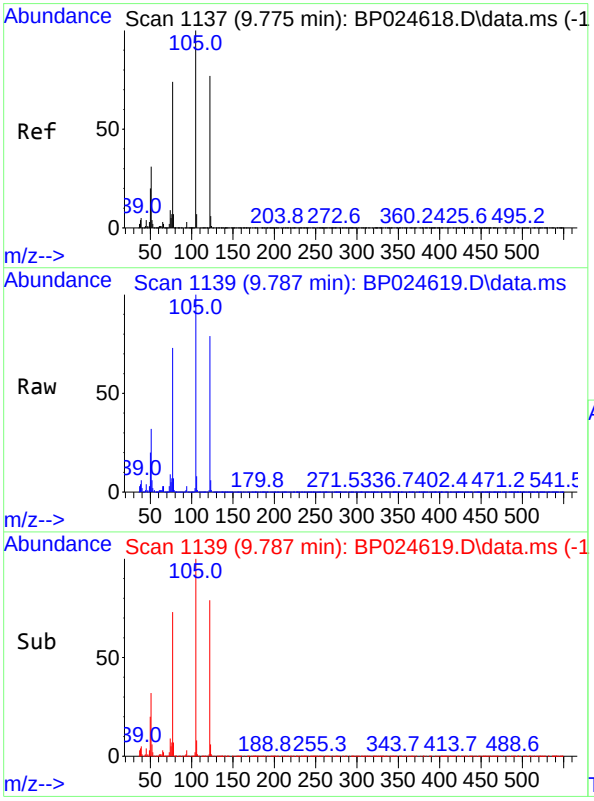

#31
Naphthalene
Concen: 52.65 ng
RT: 10.481 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:128 Resp: 1336265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.8 | 13.2 |
| 127 | 13.4 | 10.7 | 16.1 |

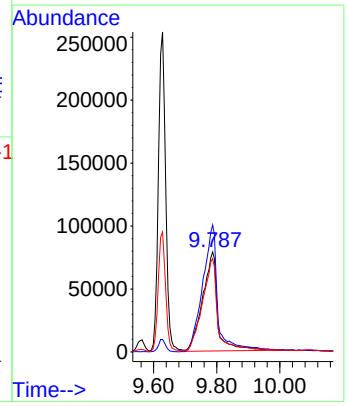


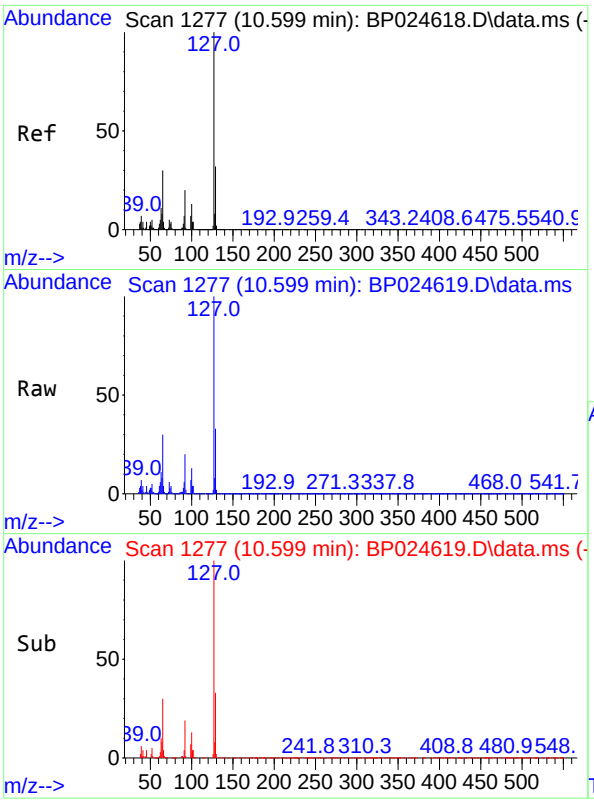




#32
Benzoic acid
Concen: 50.71 ng
RT: 9.787 min Scan# 1139
Delta R.T. 0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:122 Resp: 263657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 127.2 | 106.9 | 146.9 |
| 77 | 93.3 | 75.1 | 115.1 |



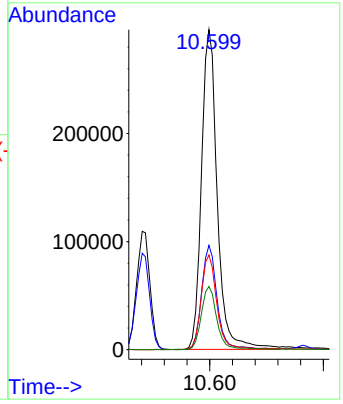


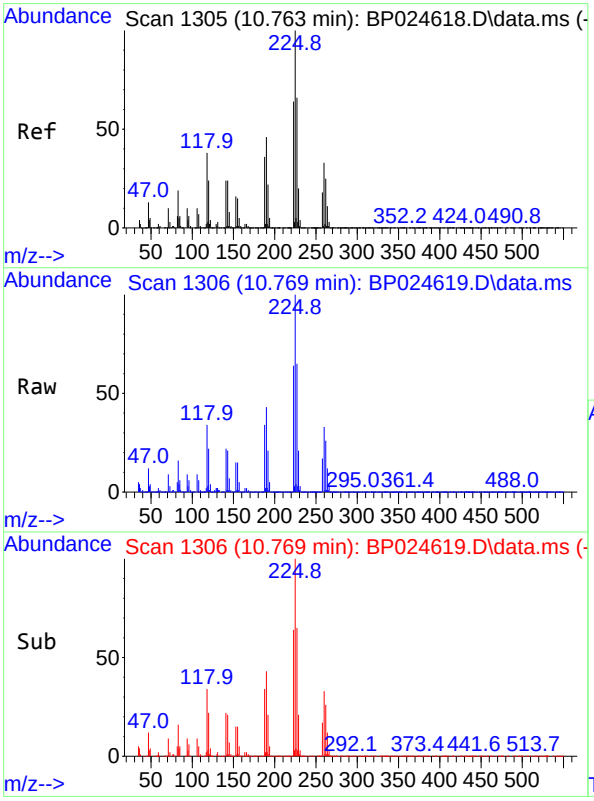

#33
4-Chloroaniline
Concen: 55.63 ng
RT: 10.599 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:127 Resp: 569812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.6 | 25.8 | 38.6 |
| 65 | 29.6 | 23.9 | 35.9 |
| 92 | 19.7 | 16.1 | 24.1 |

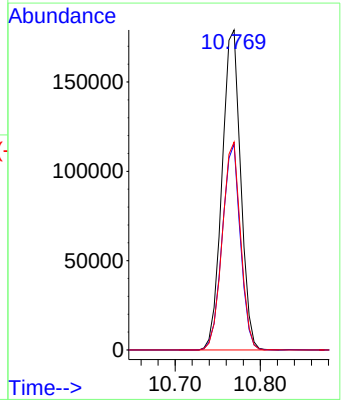


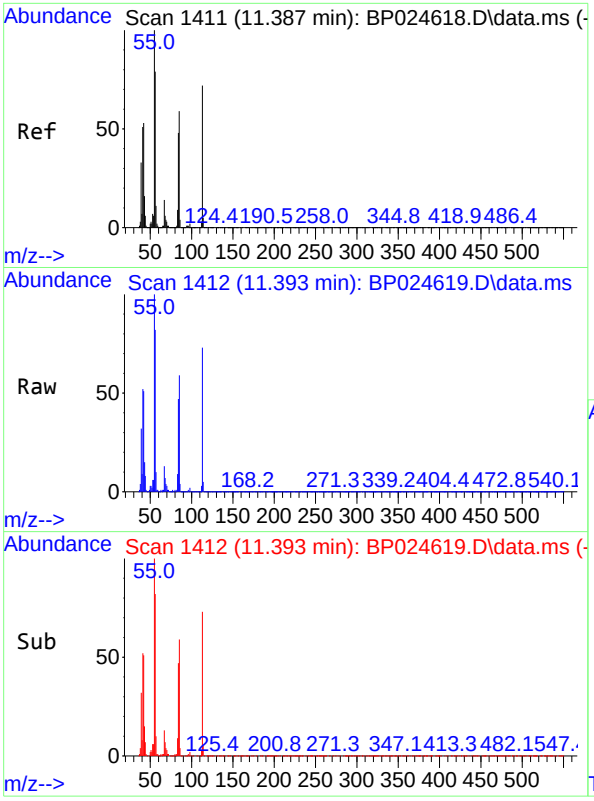




#34
Hexachlorobutadiene
Concen: 52.09 ng
RT: 10.769 min Scan# 1306
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:225 Resp: 271578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.4 | 51.0 | 76.6 |
| 227 | 64.9 | 53.1 | 79.7 |



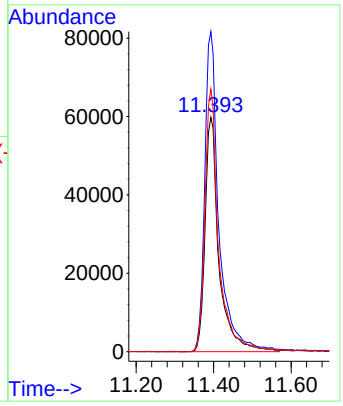


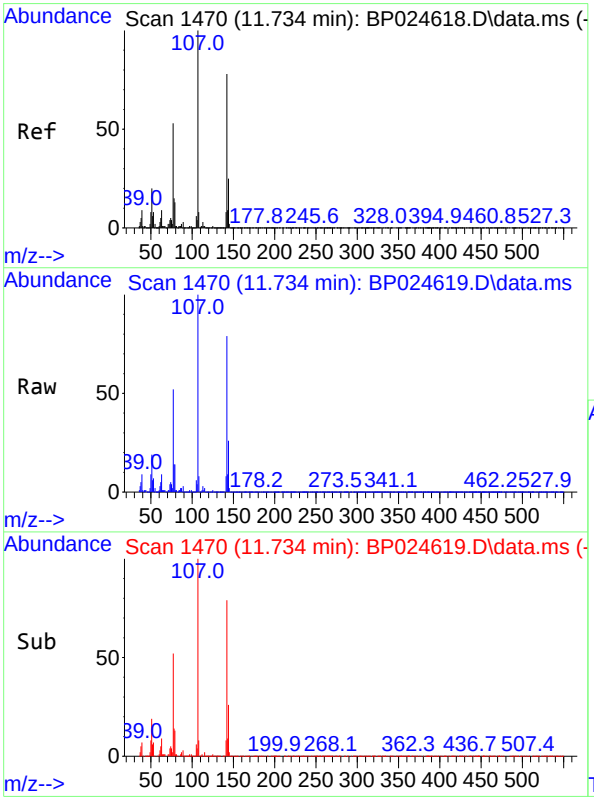

#35
Caprolactam
Concen: 57.53 ng
RT: 11.393 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:113 Resp: 148586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 136.6 | 119.0 | 159.0 |
| 56 | 112.0 | 90.3 | 130.3 |

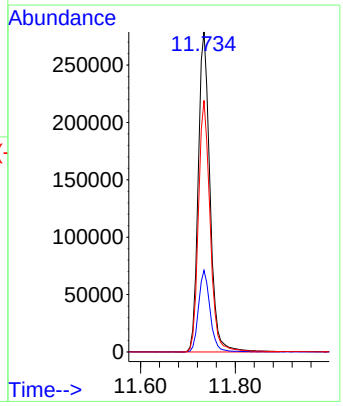


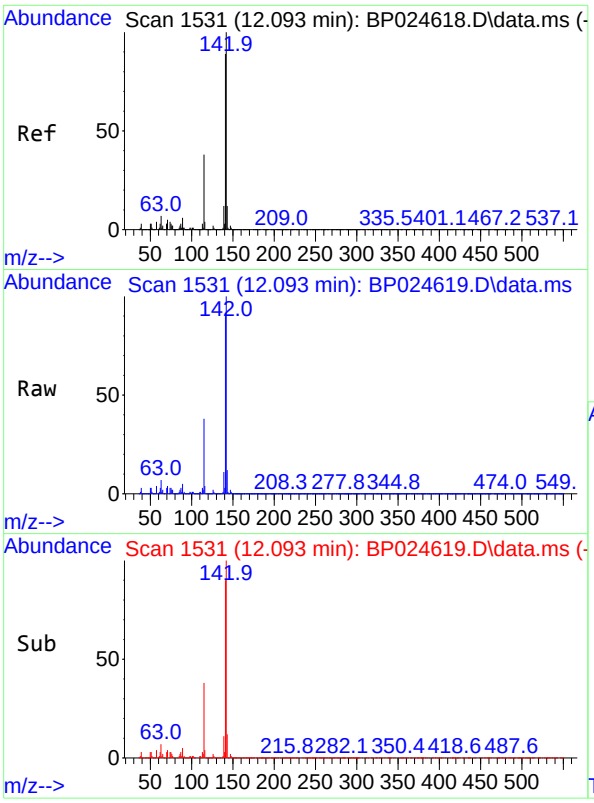




#36
4-Chloro-3-methylphenol
Concen: 54.97 ng
RT: 11.734 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:107 Resp: 478787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.5 | 20.1 | 30.1 |
| 142 | 78.6 | 62.1 | 93.1 |



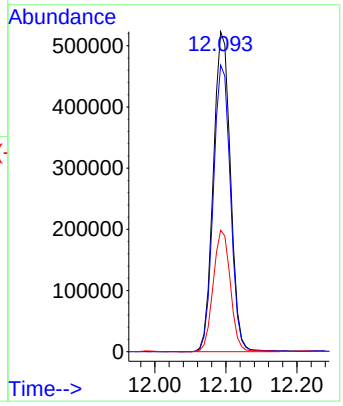


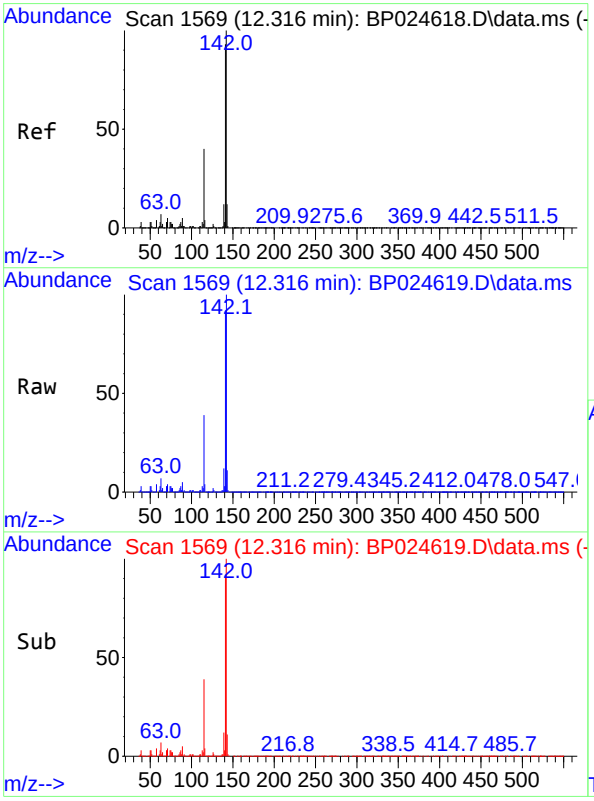

#37
2-Methylnaphthalene
Concen: 53.13 ng
RT: 12.093 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:142 Resp: 873274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.6 | 71.2 | 106.8 |
| 115 | 37.9 | 30.6 | 46.0 |

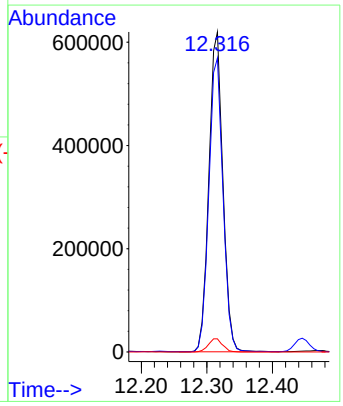


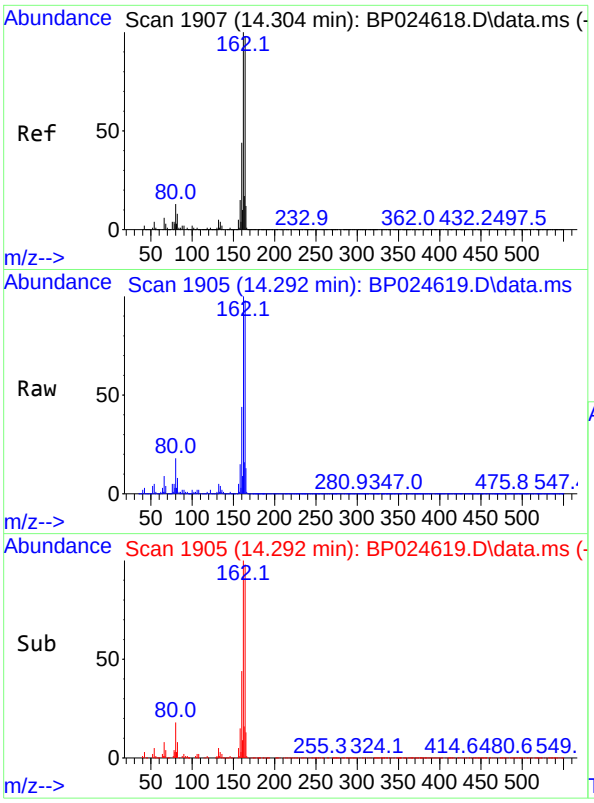




#38
1-Methylnaphthalene
Concen: 52.31 ng
RT: 12.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:142 Resp: 919827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.9 | 74.7 | 112.1 |
| 116 | 4.1 | 3.4 | 5.2 |



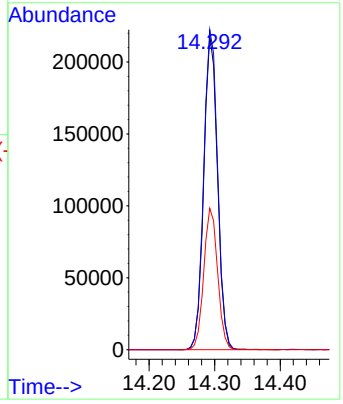


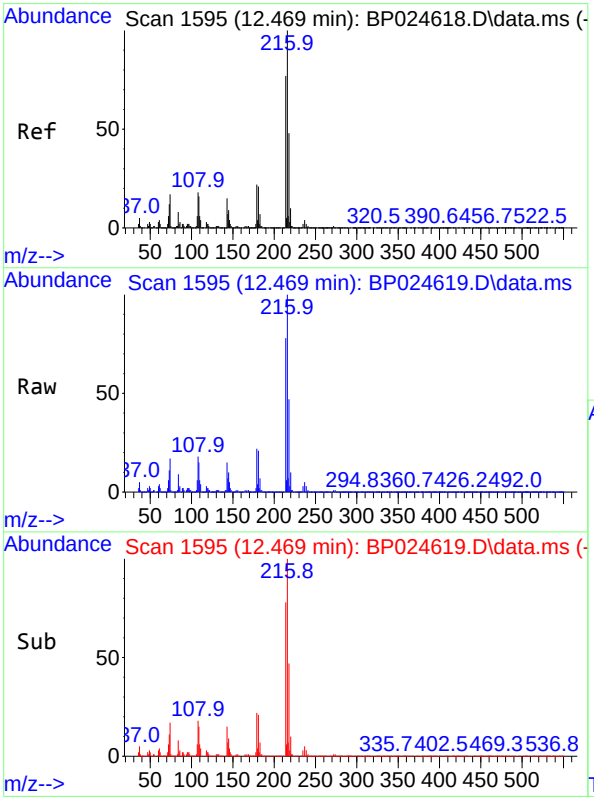

#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.292 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:164 Resp: 318760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.9 | 81.8 | 122.6 |
| 160 | 45.1 | 36.3 | 54.5 |

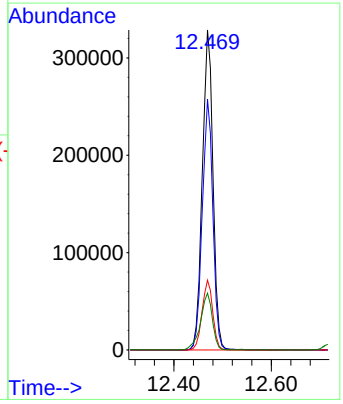


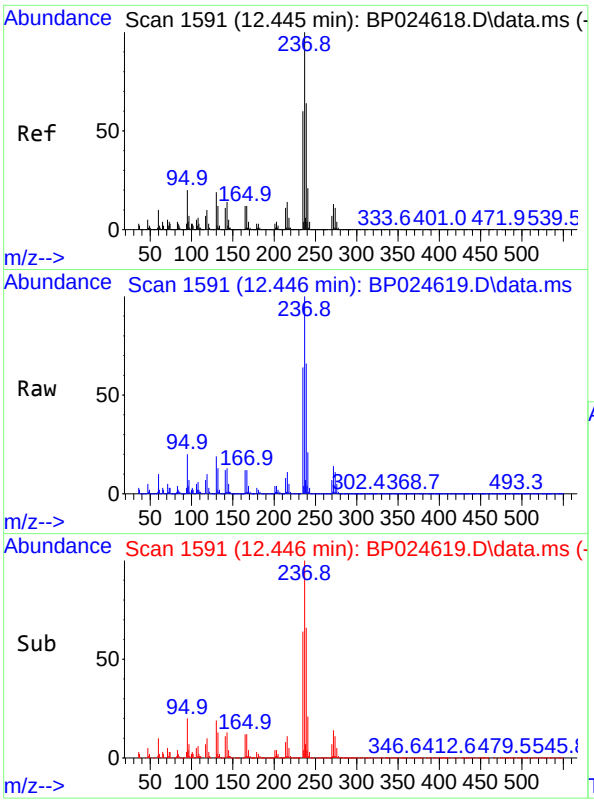




#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.78 ng
RT: 12.469 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:216 Resp: 497848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.0 | 62.3 | 93.5 |
| 179 | 21.9 | 17.7 | 26.5 |
| 108 | 19.7 | 16.0 | 24.0 |



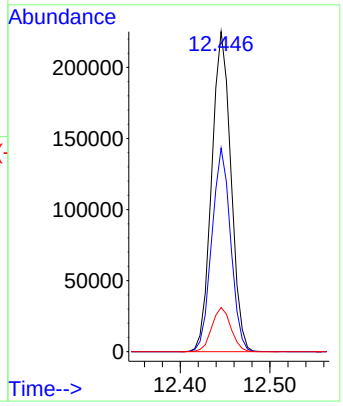


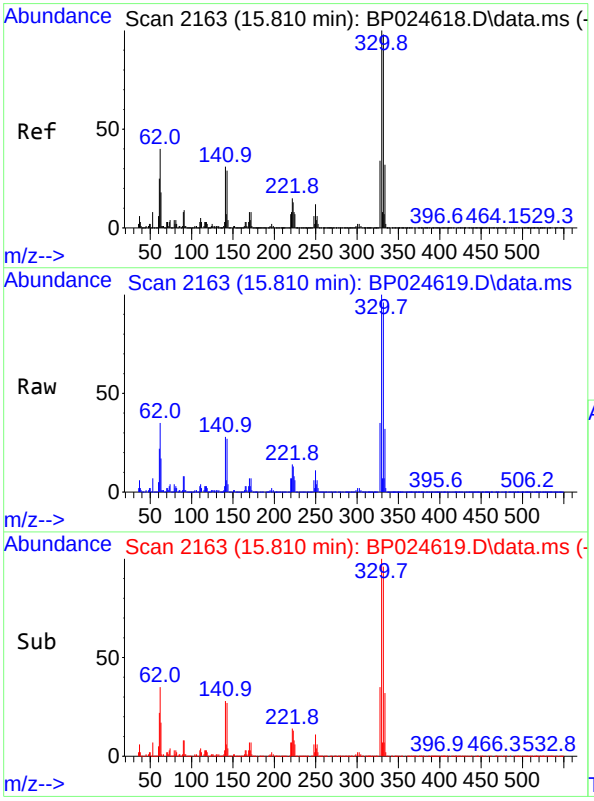

#41
Hexachlorocyclopentadiene
Concen: 59.64 ng
RT: 12.446 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:237 Resp: 334752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.6 | 39.9 | 79.9 |
| 272 | 13.8 | 0.0 | 33.2 |

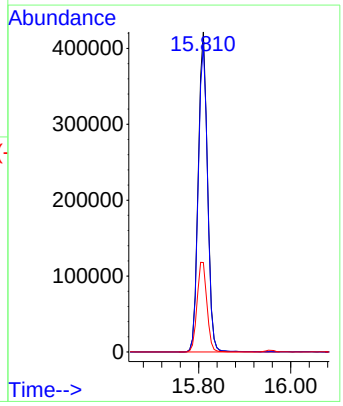


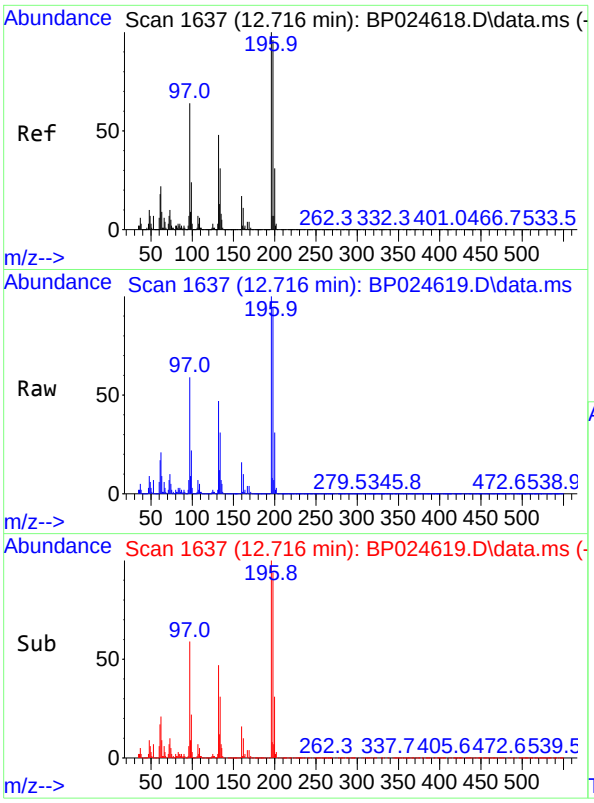




#42
2,4,6-Tribromophenol
Concen: 108.72 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:330 Resp: 587523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.9 | 78.2 | 117.4 |
| 141 | 29.7 | 24.3 | 36.5 |



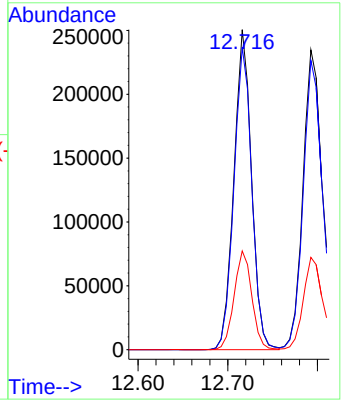


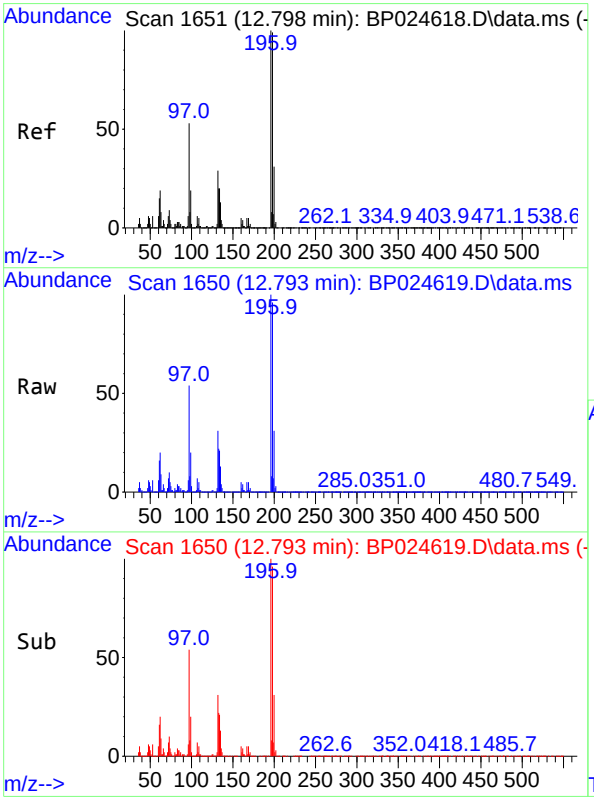

#43
2,4,6-Trichlorophenol
Concen: 56.89 ng
RT: 12.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:196 Resp: 341059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.5 | 76.9 | 115.3 |
| 200 | 30.9 | 25.2 | 37.8 |

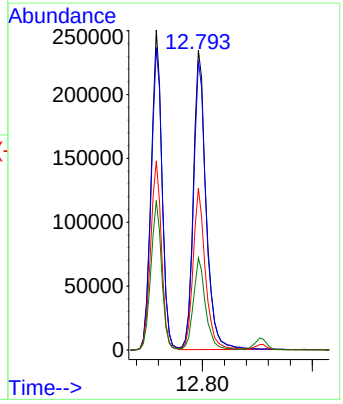


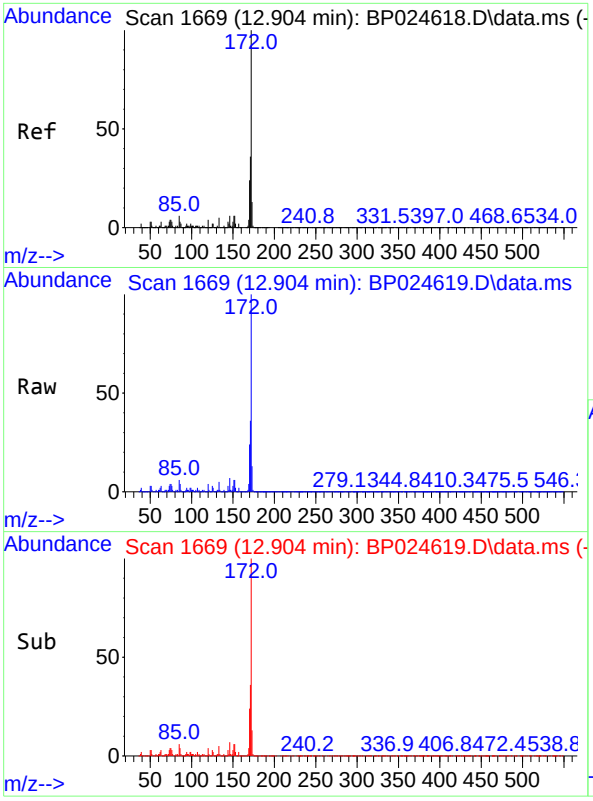




#44
2,4,5-Trichlorophenol
Concen: 56.24 ng
RT: 12.793 min Scan# 1650
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:196 Resp: 375330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.5 | 79.2 | 118.8 |
| 97 | 54.0 | 42.3 | 63.5 |
| 132 | 30.8 | 23.3 | 34.9 |



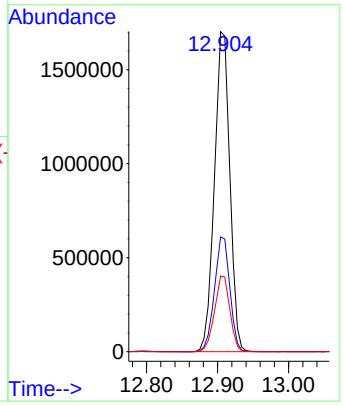


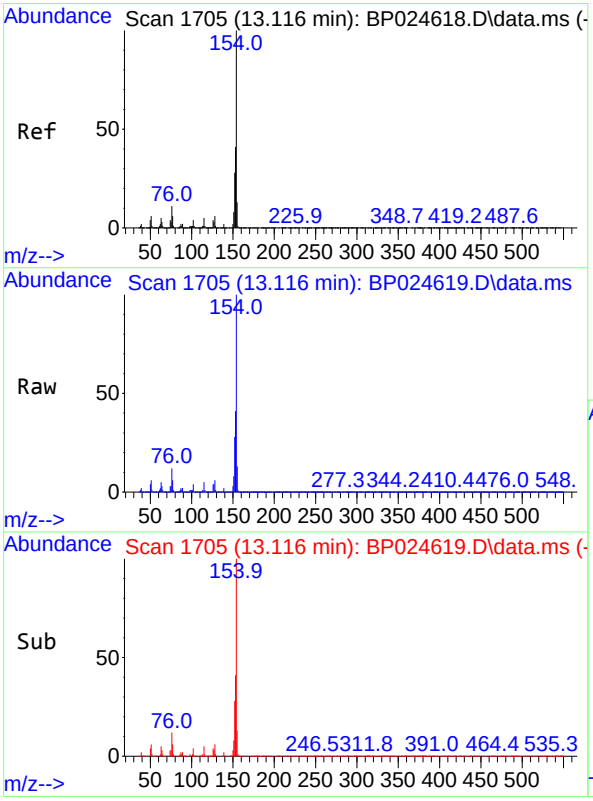

#45
2-Fluorobiphenyl
Concen: 104.96 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:172 Resp: 2553765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.8 | 28.8 | 43.2 |
| 170 | 23.7 | 18.8 | 28.2 |

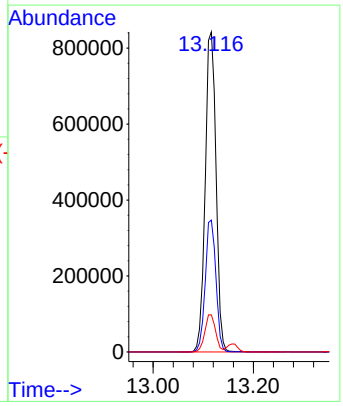


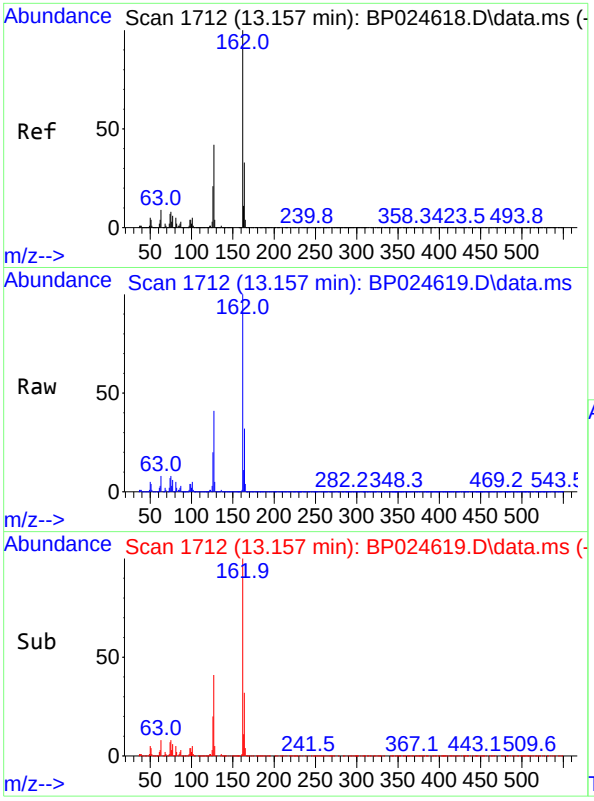




#46
1,1'-Biphenyl
Concen: 53.64 ng
RT: 13.116 min Scan# 1705
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:154 Resp: 1263640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.2 | 21.0 | 61.0 |
| 76 | 11.6 | 0.0 | 31.5 |



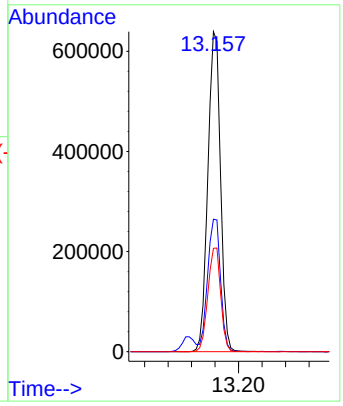


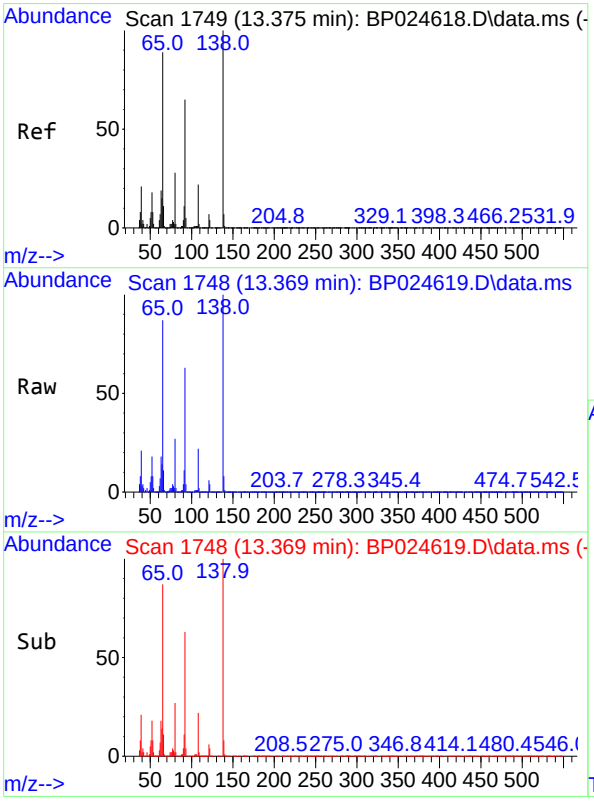

#47
2-Chloronaphthalene
Concen: 53.04 ng
RT: 13.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:162 Resp: 952857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.4 | 33.8 | 50.6 |
| 164 | 32.3 | 26.0 | 39.0 |

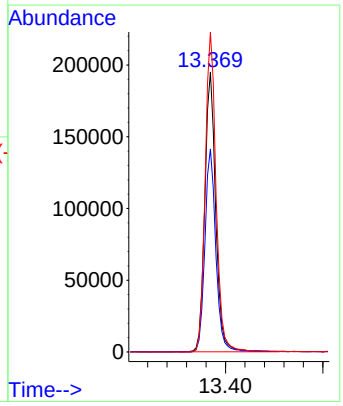


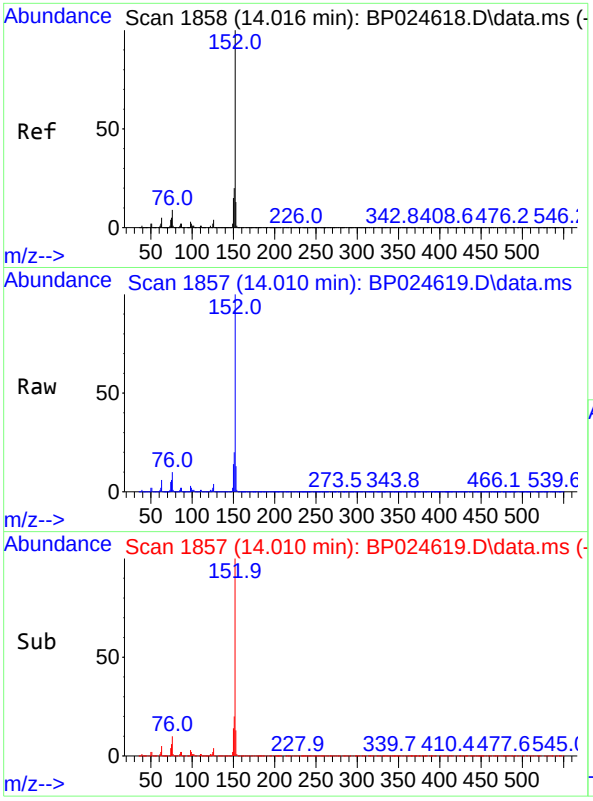




#48
2-Nitroaniline
Concen: 57.06 ng
RT: 13.369 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion: 65 Resp: 303475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 72.5 | 58.7 | 88.1 |
| 138 | 114.3 | 90.2 | 135.2 |



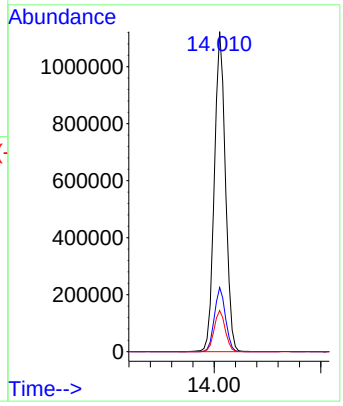


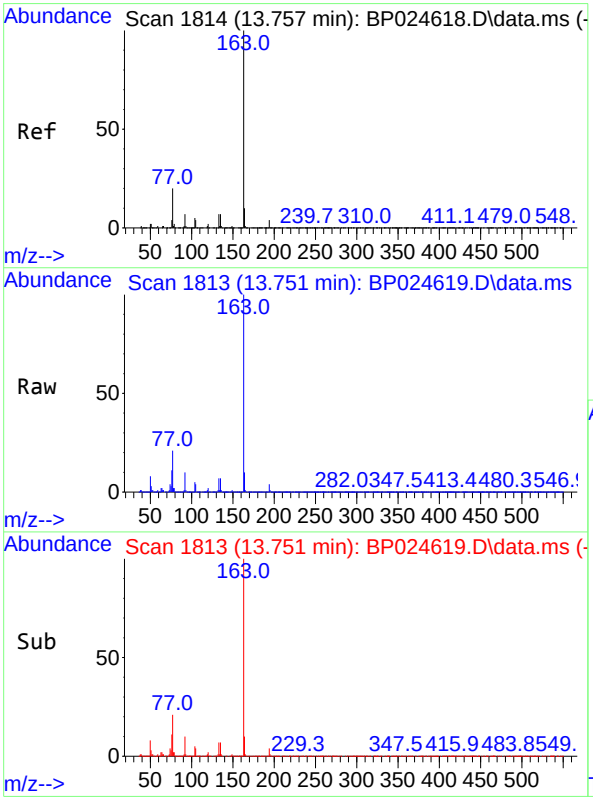

#49
Acenaphthylene
Concen: 53.79 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:152 Resp: 1616938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.2 | 24.4 |
| 153 | 12.9 | 10.2 | 15.4 |

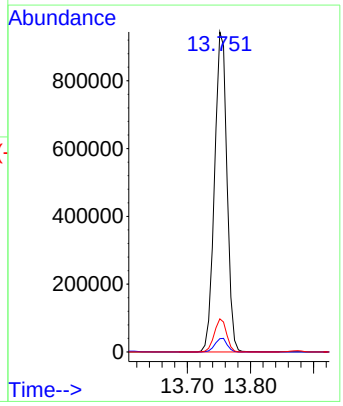


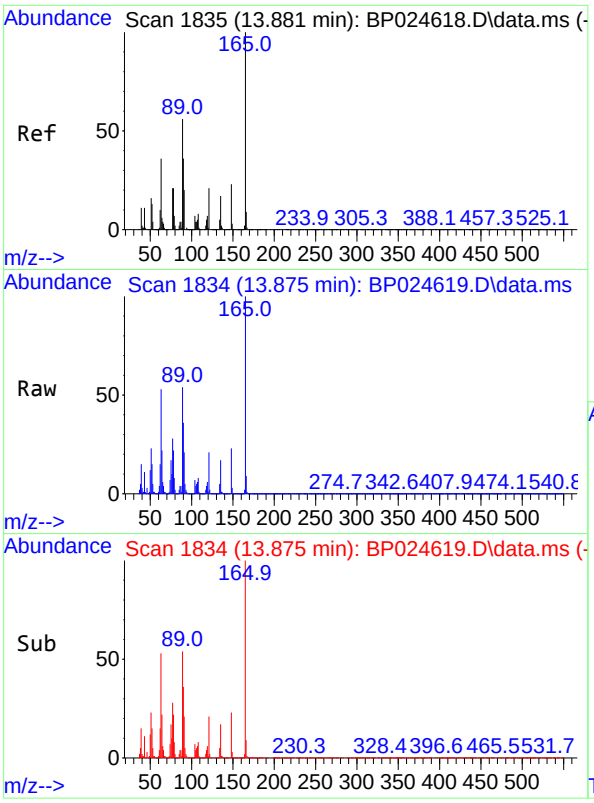




#50
Dimethylphthalate
Concen: 52.83 ng
RT: 13.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:163 Resp: 1283491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.4 | 5.0 |
| 164 | 10.4 | 8.1 | 12.1 |



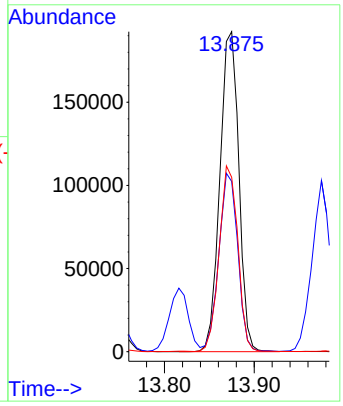


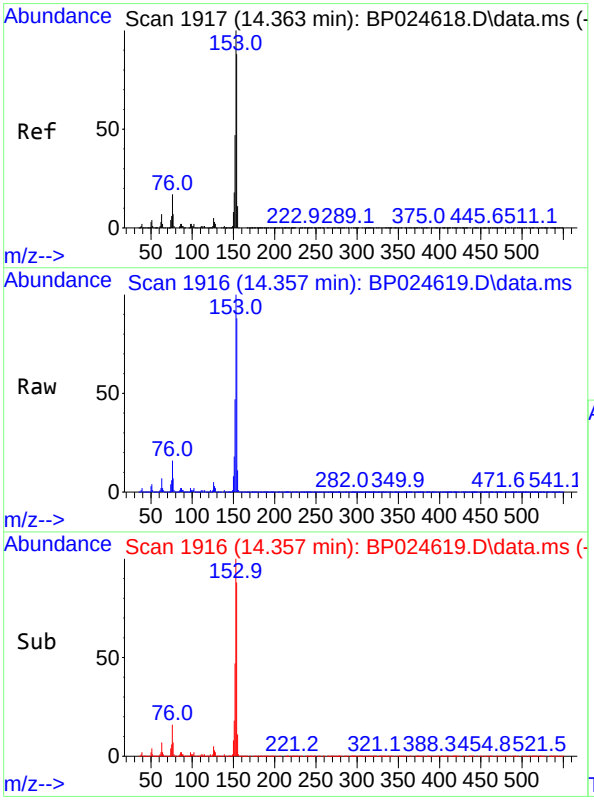

#51
2,6-Dinitrotoluene
Concen: 54.91 ng
RT: 13.875 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:165 Resp: 281728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 53.2 | 42.4 | 63.6 |
| 89 | 54.5 | 44.8 | 67.2 |

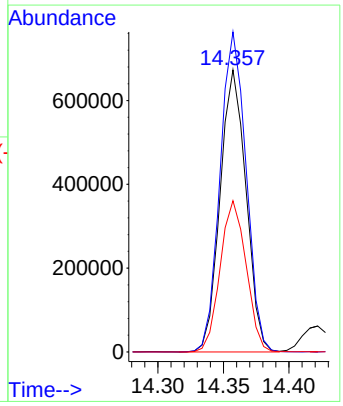


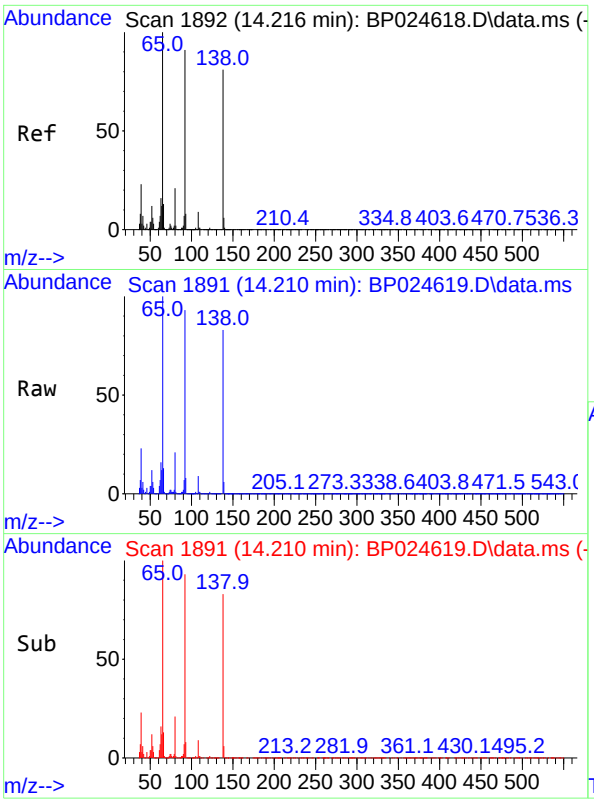




#52
Acenaphthene
Concen: 53.42 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:154 Resp: 923238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.5 | 91.0 | 136.4 |
| 152 | 53.6 | 42.9 | 64.3 |



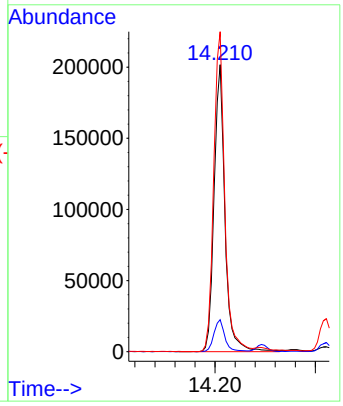


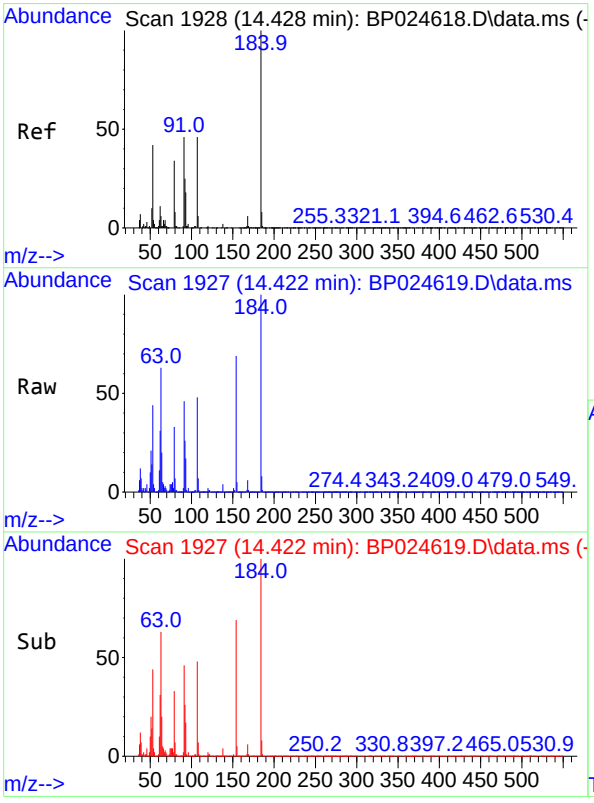

#53
3-Nitroaniline
Concen: 57.71 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:138 Resp: 302341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.2 | 9.0 | 13.4 |
| 92 | 111.5 | 90.1 | 135.1 |

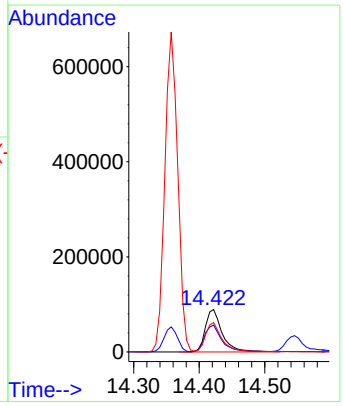


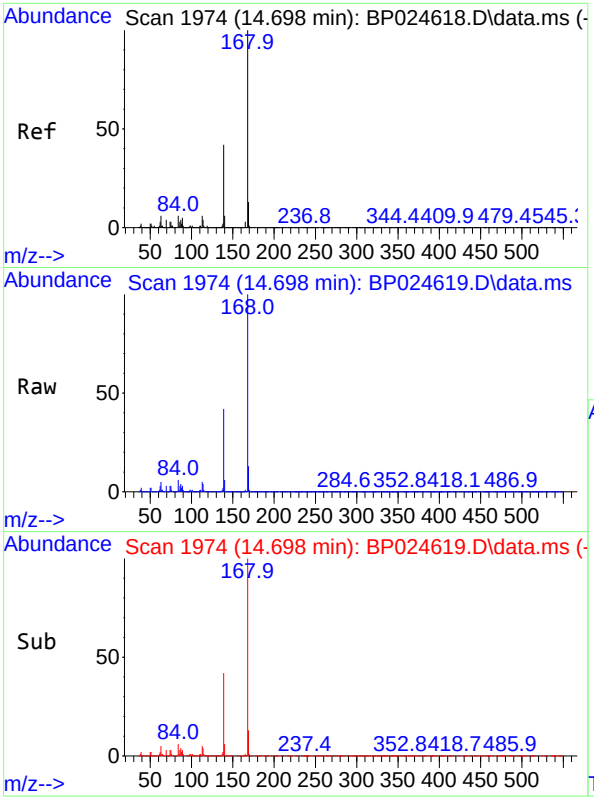




#54
2,4-Dinitrophenol
Concen: 51.86 ng
RT: 14.422 min Scan# 1927
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:184 Resp: 159888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 63.3 | 51.3 | 76.9 |
| 154 | 69.3 | 53.5 | 80.3 |



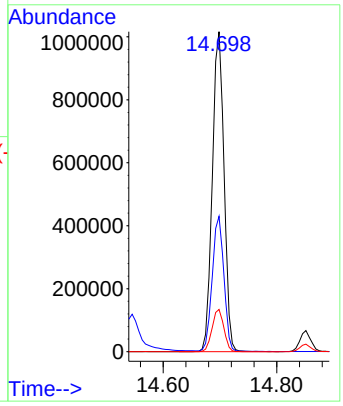


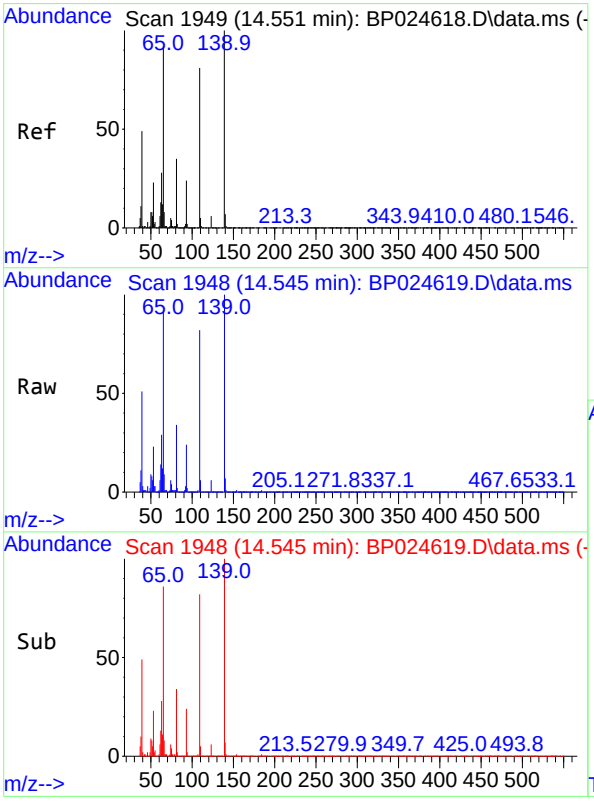

#55
Dibenzofuran
Concen: 52.50 ng
RT: 14.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:168 Resp: 1447333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 42.3 | 34.2 | 51.4 |
| 169 | 13.2 | 10.8 | 16.2 |

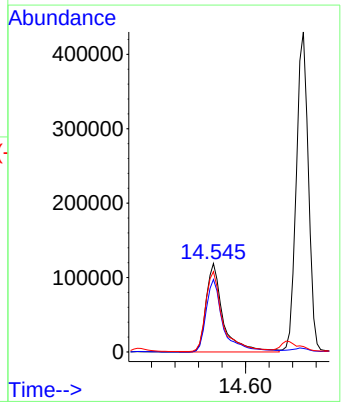


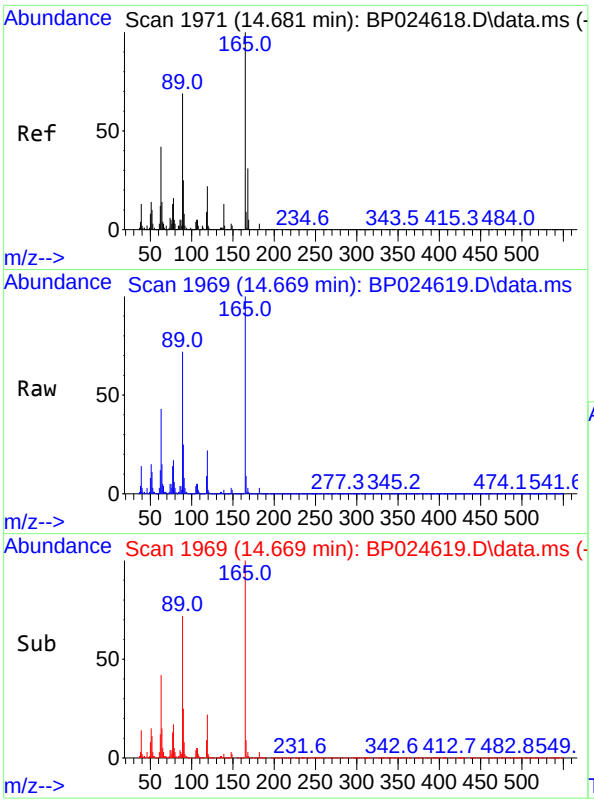




#56
4-Nitrophenol
Concen: 53.99 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:139 Resp: 238294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 82.0 | 61.4 | 101.4 |
| 65 | 90.8 | 72.2 | 112.2 |



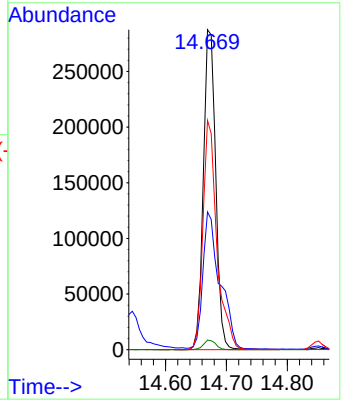


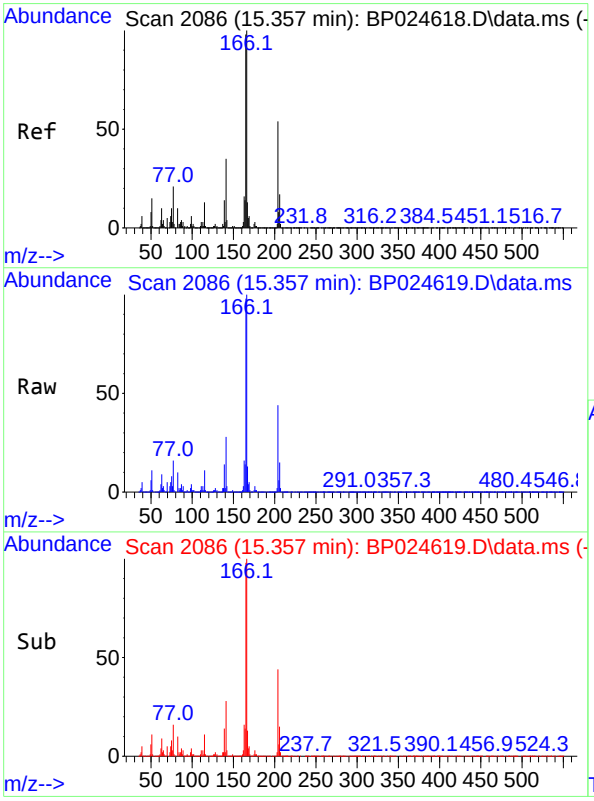

#57
2,4-Dinitrotoluene
Concen: 55.94 ng
RT: 14.669 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:165 Resp: 404684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 43.0 | 33.8 | 50.6 |
| 89 | 71.7 | 55.6 | 83.4 |
| 182 | 3.0 | 2.4 | 3.6 |

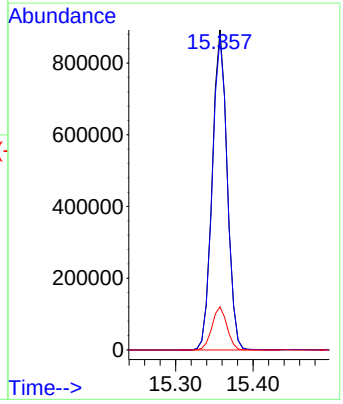


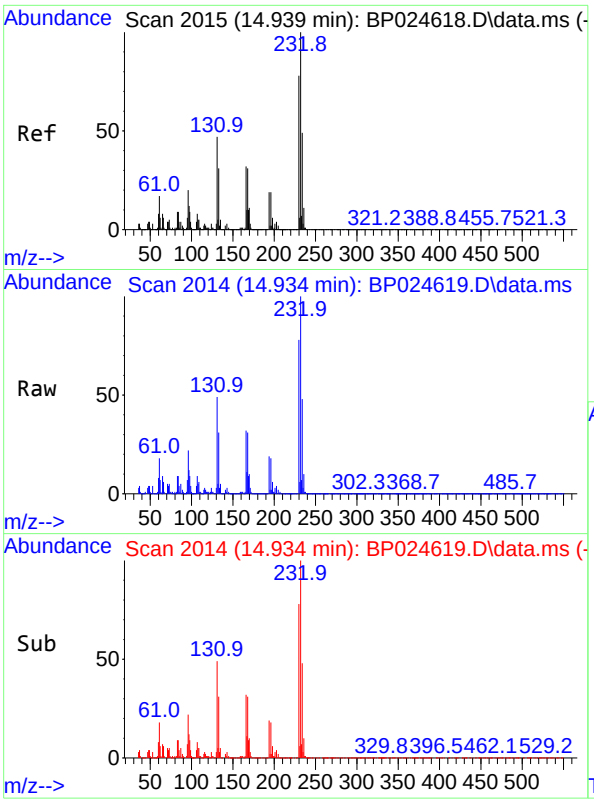




#58
Fluorene
Concen: 52.97 ng
RT: 15.357 min Scan# 2086
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:166 Resp: 1190632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.5 | 78.5 | 117.7 |
| 167 | 13.4 | 10.7 | 16.1 |



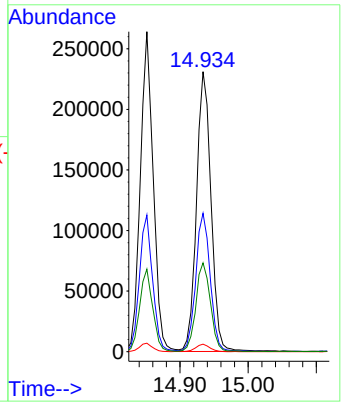


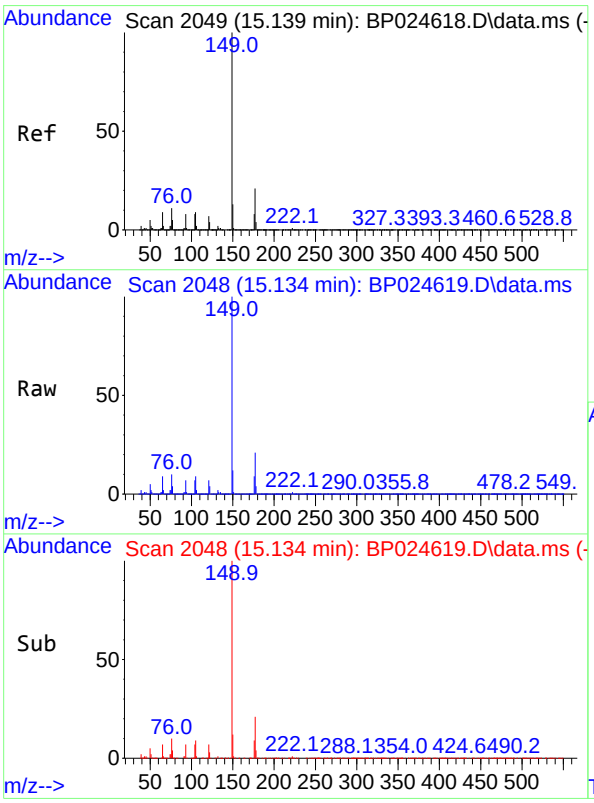

#59
2,3,4,6-Tetrachlorophenol
Concen: 55.11 ng
RT: 14.934 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:232 Resp: 341204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 49.3 | 39.5 | 59.3 |
| 130 | 2.6 | 2.2 | 3.4 |
| 166 | 31.8 | 25.7 | 38.5 |

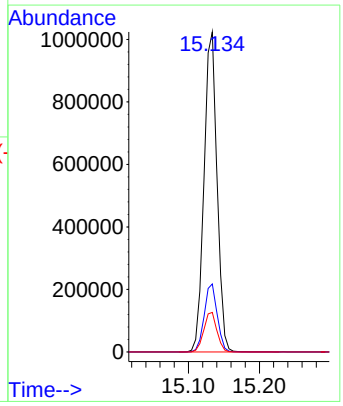


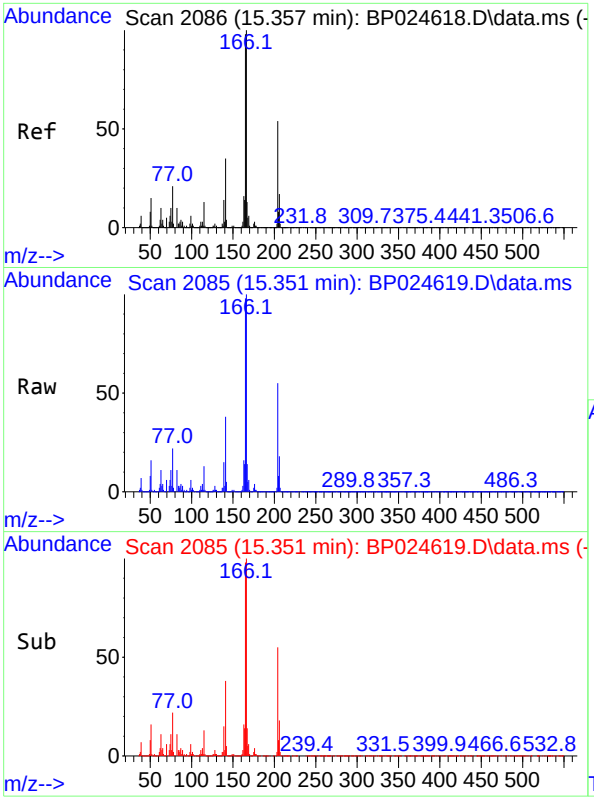




#60
Diethylphthalate
Concen: 53.18 ng
RT: 15.134 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:149 Resp: 1305791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.3 | 16.7 | 25.1 |
| 150 | 12.3 | 10.2 | 15.2 |



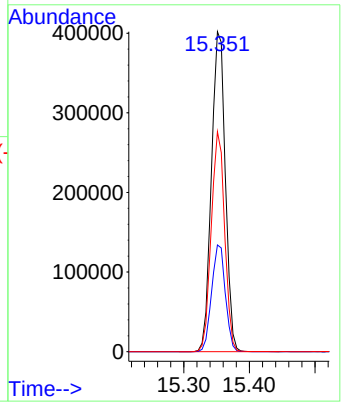


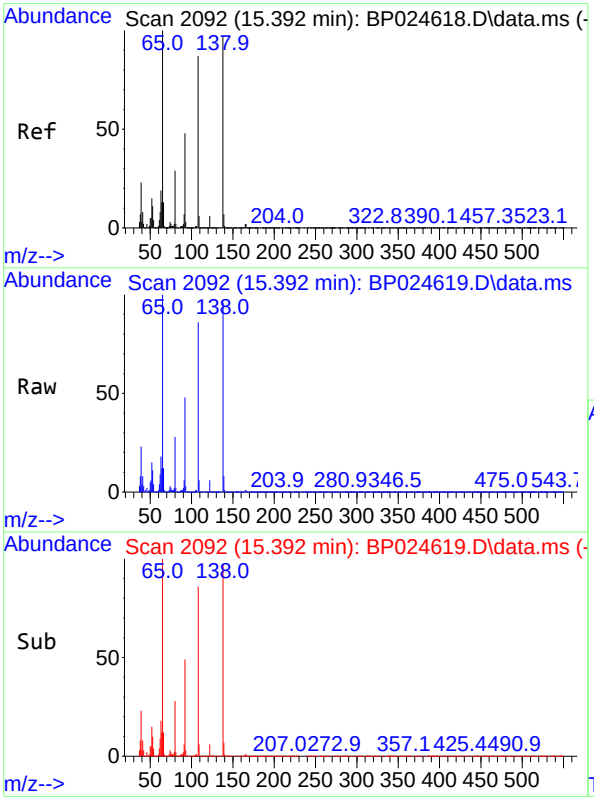

#61
4-Chlorophenyl-phenylether
Concen: 52.67 ng
RT: 15.351 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:204 Resp: 590421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.4 | 26.0 | 39.0 |
| 141 | 68.7 | 52.9 | 79.3 |

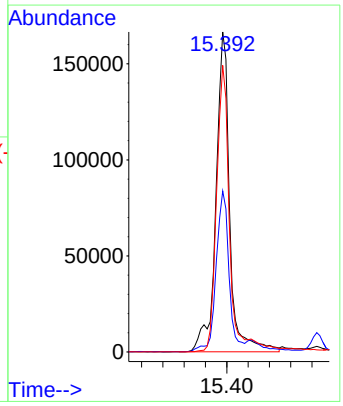


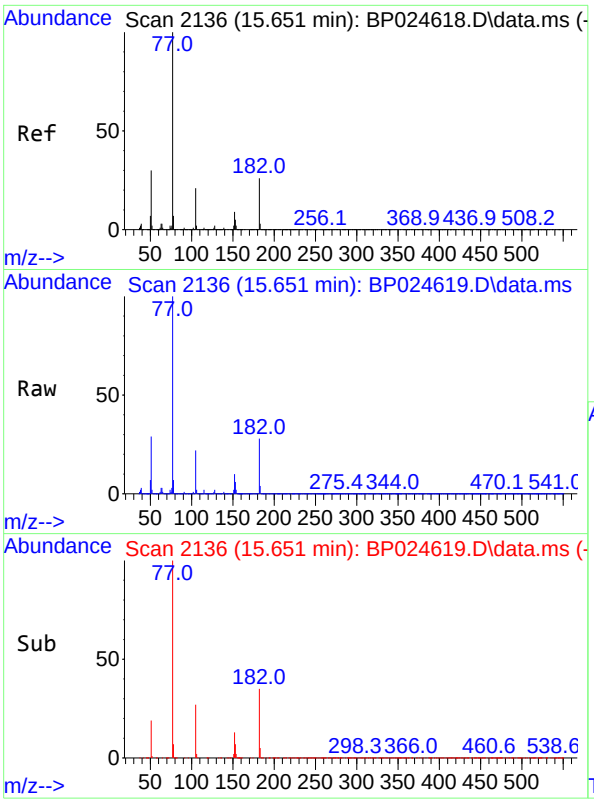




#62
4-Nitroaniline
Concen: 58.55 ng
RT: 15.392 min Scan# 2092
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:138 Resp: 298681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.3 | 29.2 | 69.2 |
| 108 | 89.6 | 69.0 | 109.0 |



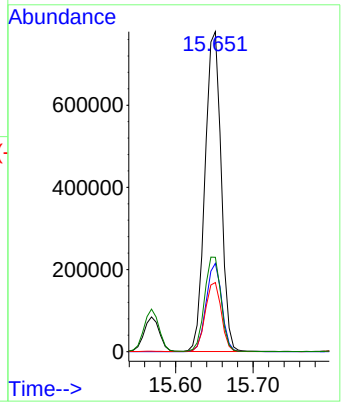


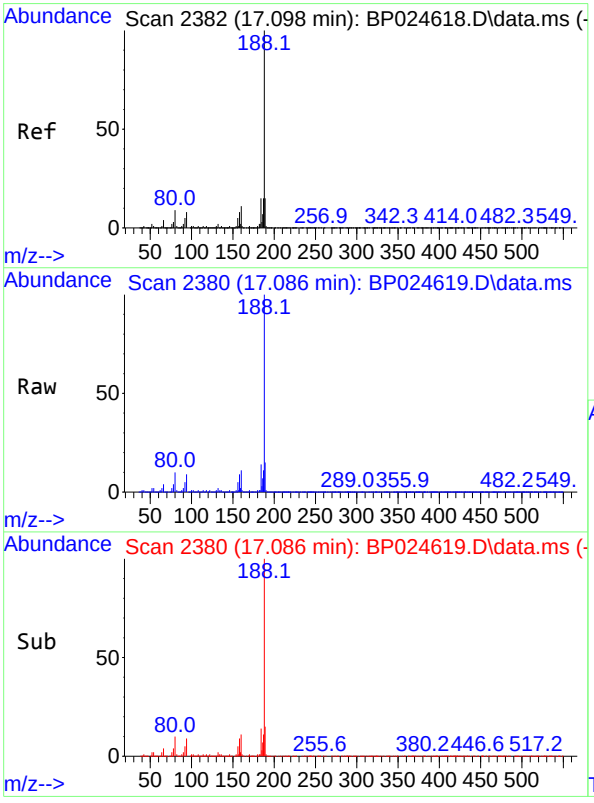

#63
Azobenzene
Concen: 53.39 ng
RT: 15.651 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 77 Resp: 1121556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 27.6 | 5.7 | 45.7 |
| 105 | 21.6 | 1.3 | 41.3 |
| 51 | 29.5 | 10.6 | 50.6 |

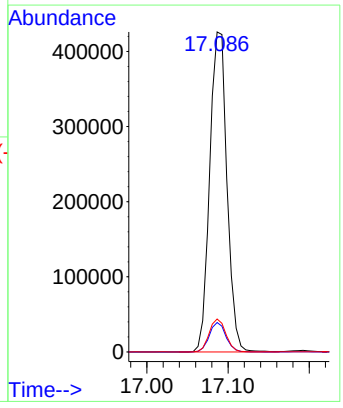


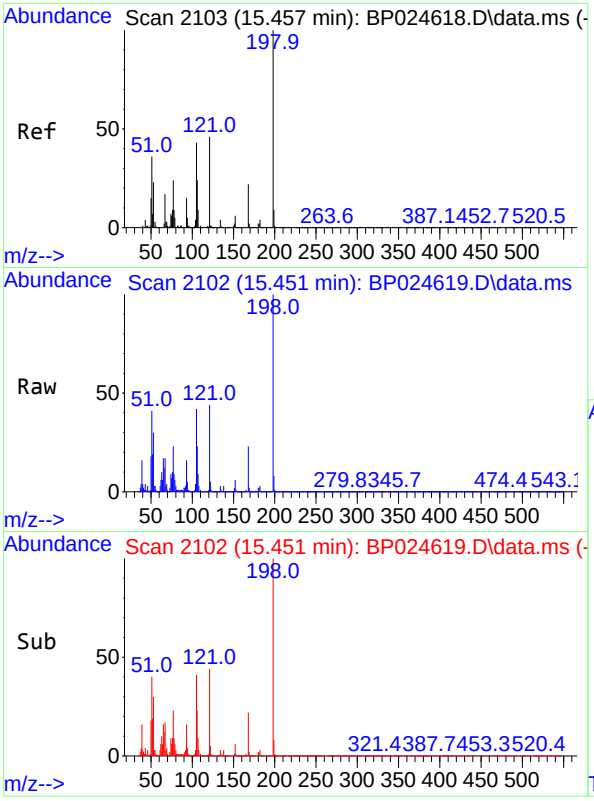




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.086 min Scan# 2380
Delta R.T. -0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:188 Resp: 628781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.2 | 6.5 | 9.7 |
| 80 | 10.3 | 7.3 | 10.9 |



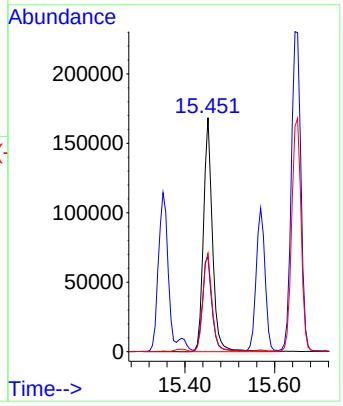


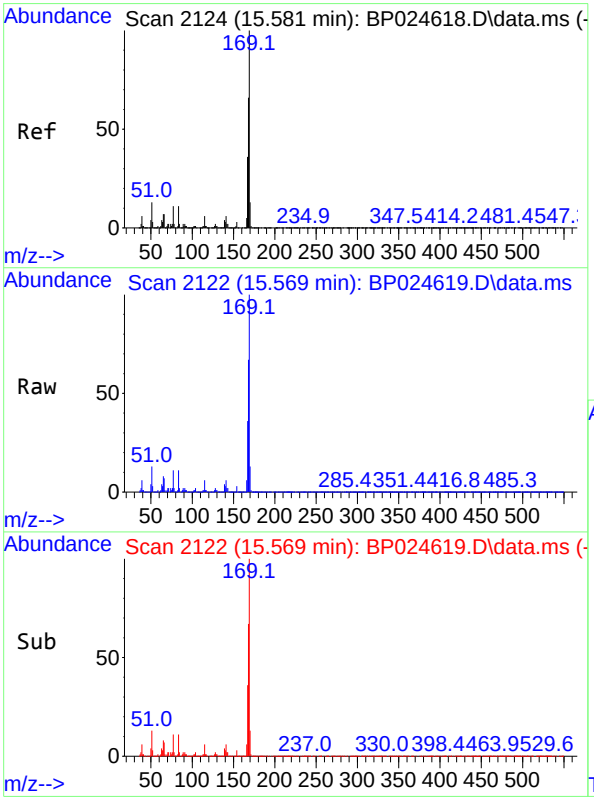

#65
4,6-Dinitro-2-methylphenol
Concen: 57.64 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:198 Resp: 234095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 40.5 | 21.1 | 61.1 |
| 105 | 42.1 | 23.6 | 63.6 |

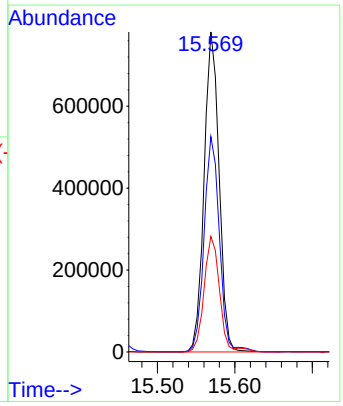


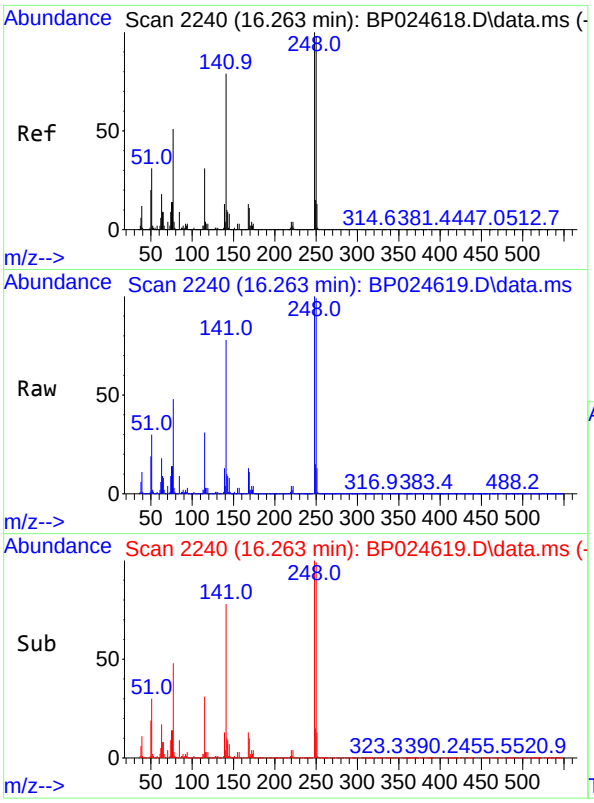




#66
n-Nitrosodiphenylamine
Concen: 54.28 ng
RT: 15.569 min Scan# 2122
Delta R.T. -0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:169 Resp: 1048396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.3 | 53.2 | 79.8 |
| 167 | 36.1 | 28.6 | 43.0 |



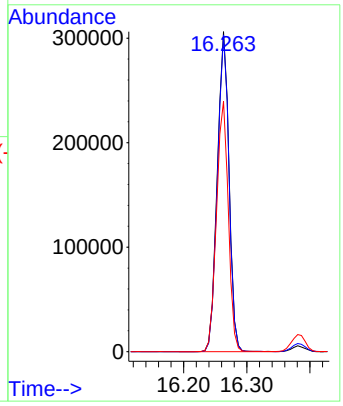


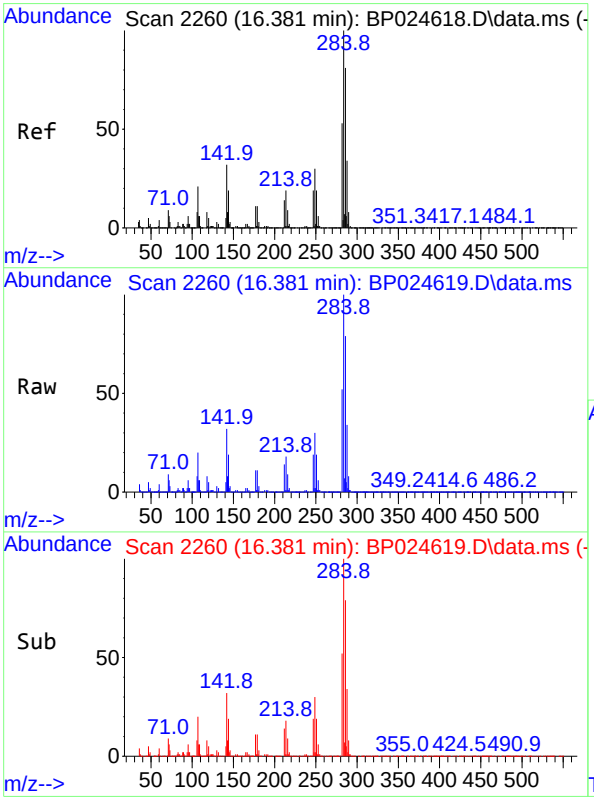

#67
4-Bromophenyl-phenylether
Concen: 53.50 ng
RT: 16.263 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:248 Resp: 396385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 99.0 | 78.2 | 117.4 |
| 141 | 78.2 | 63.0 | 94.6 |

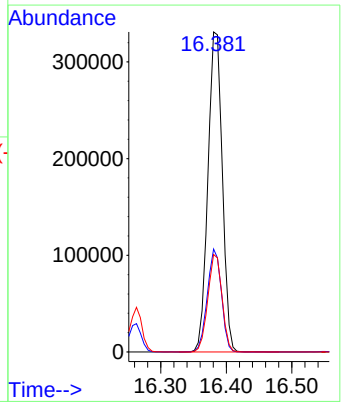


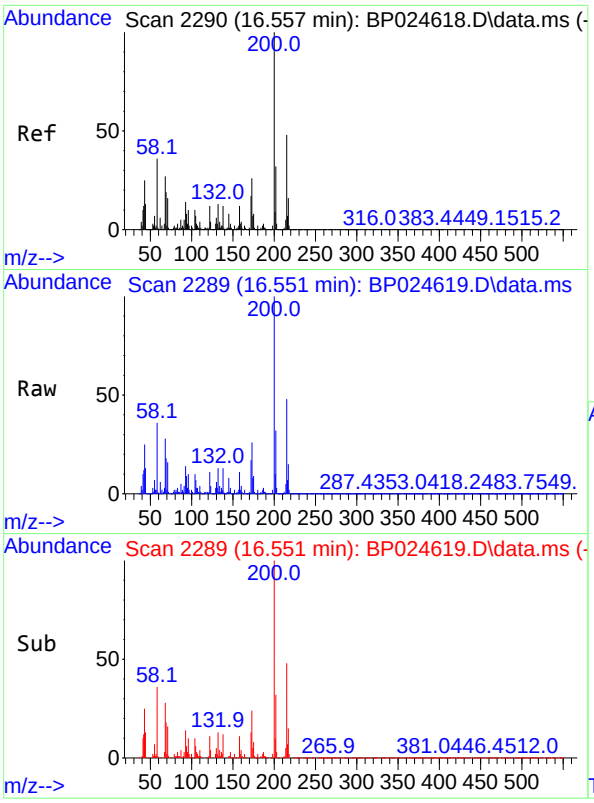




#68
Hexachlorobenzene
Concen: 53.64 ng
RT: 16.381 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:284 Resp: 504987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.1 | 25.9 | 38.9 |
| 249 | 30.4 | 24.1 | 36.1 |



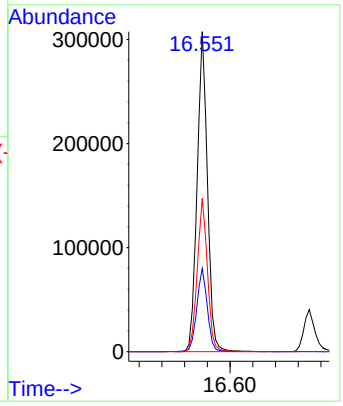


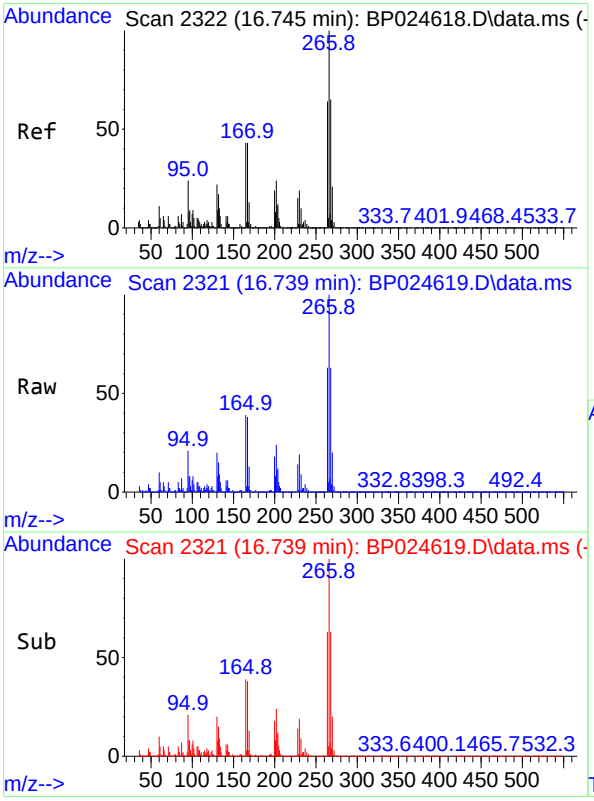

#69
Atrazine
Concen: 55.07 ng
RT: 16.551 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:200 Resp: 389749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.0 | 5.9 | 45.9 |
| 215 | 47.9 | 28.3 | 68.3 |

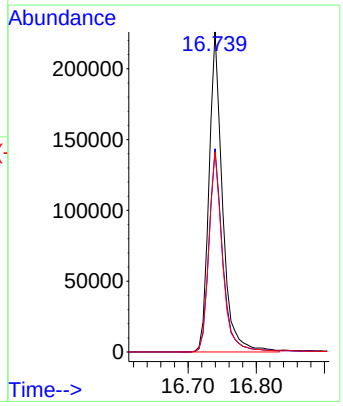


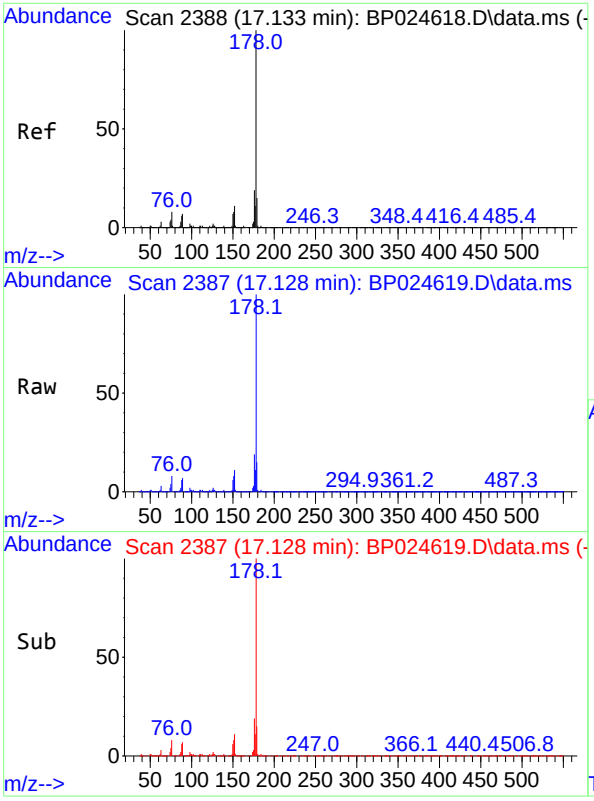




#70
Pentachlorophenol
Concen: 58.71 ng
RT: 16.739 min Scan# 2321
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:266 Resp: 310477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.5 | 52.2 | 78.4 |
| 264 | 62.6 | 51.1 | 76.7 |



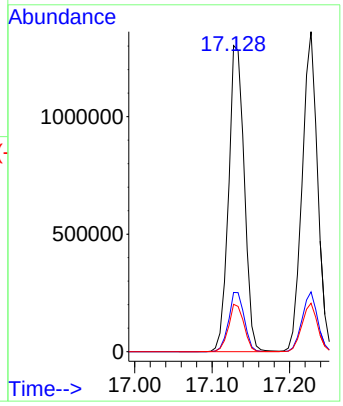


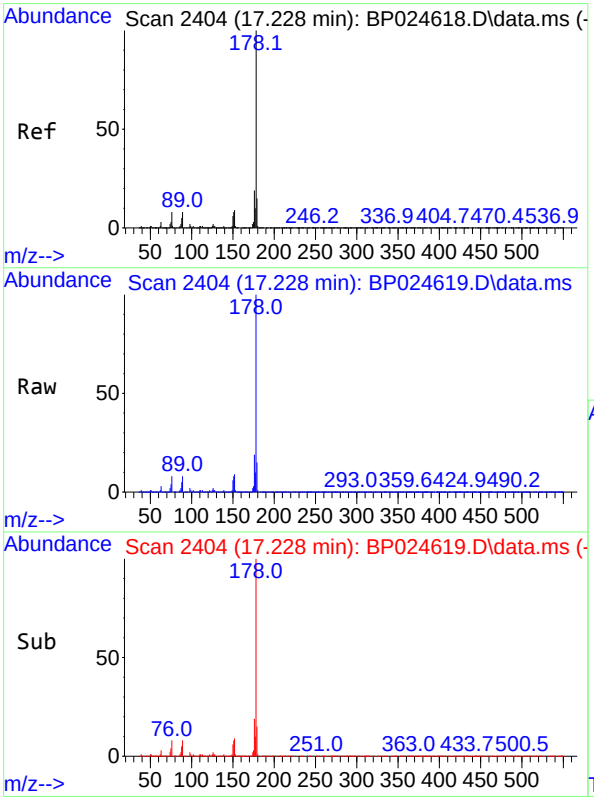

#71
Phenanthrene
Concen: 52.61 ng
RT: 17.128 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:178 Resp: 1838891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 15.4 | 23.2 |
| 179 | 15.5 | 12.2 | 18.4 |

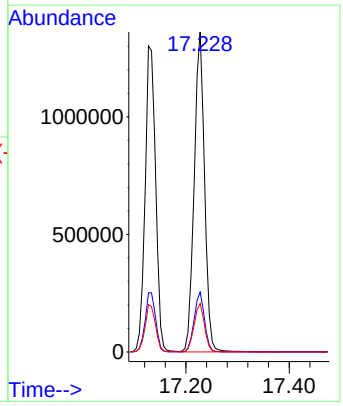


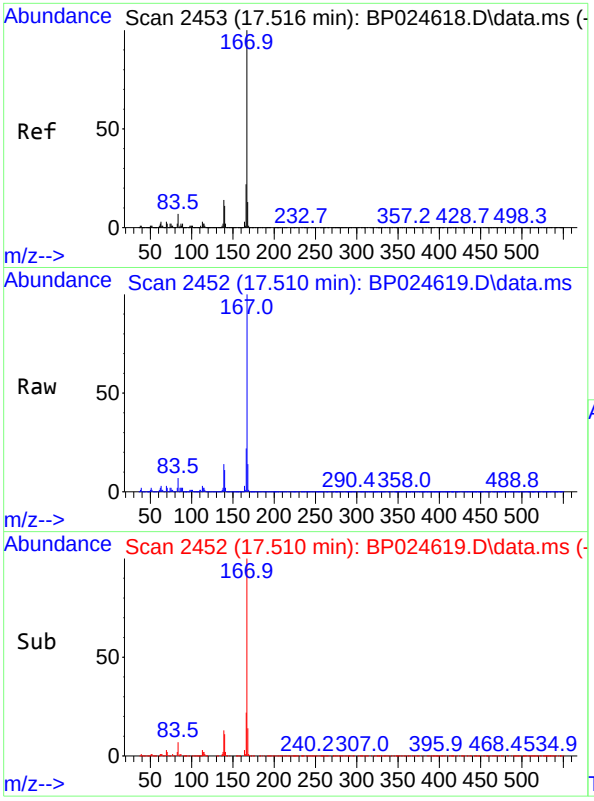




#72
Anthracene
Concen: 53.87 ng
RT: 17.228 min Scan# 2404
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:178 Resp: 1894573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.0 | 22.4 |
| 179 | 15.1 | 12.2 | 18.2 |



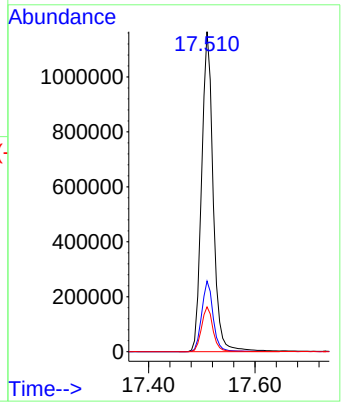


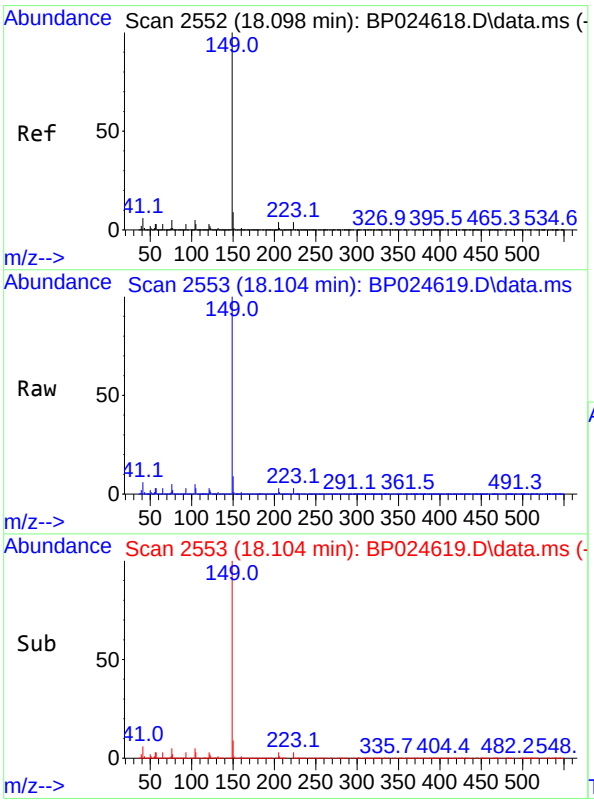

#73
Carbazole
Concen: 55.00 ng
RT: 17.510 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:167 Resp: 1750681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.1 | 17.7 | 26.5 |
| 139 | 14.0 | 11.3 | 16.9 |

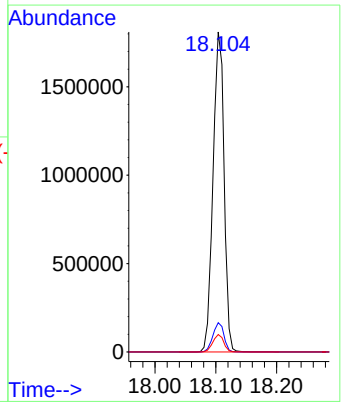


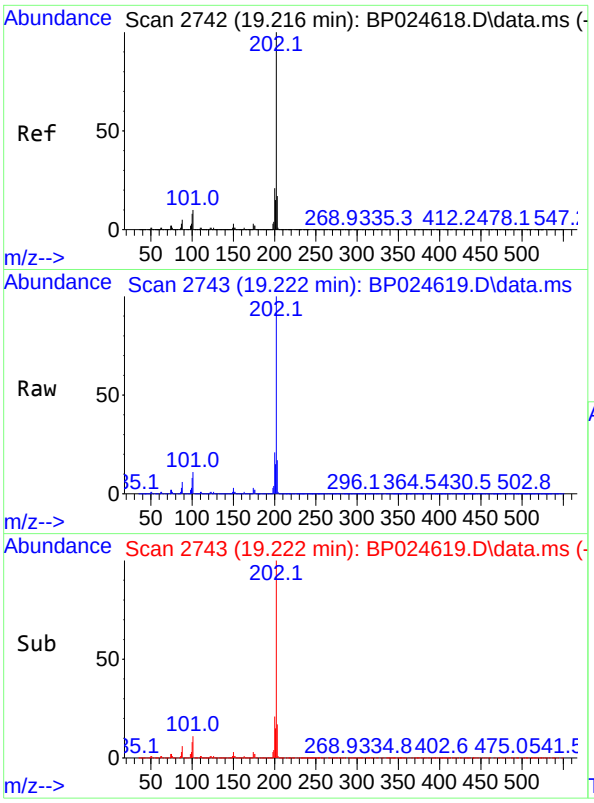




#74
Di-n-butylphthalate
Concen: 55.58 ng
RT: 18.104 min Scan# 2553
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:149 Resp: 2275163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.2 | 10.8 |
| 104 | 5.4 | 4.3 | 6.5 |



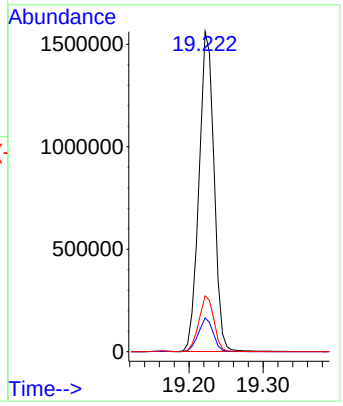


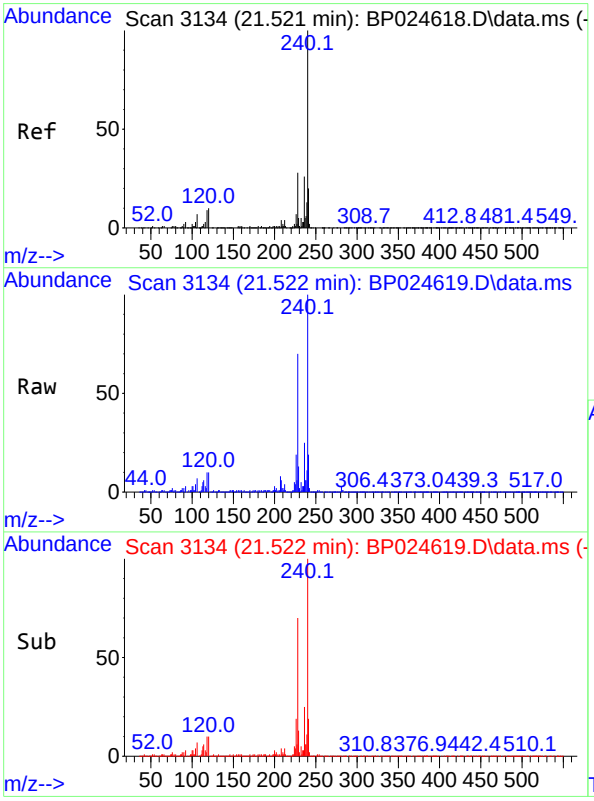

#75
Fluoranthene
Concen: 53.84 ng
RT: 19.222 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:202 Resp: 2199818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.5 | 0.0 | 30.3 |
| 203 | 17.4 | 0.0 | 37.5 |

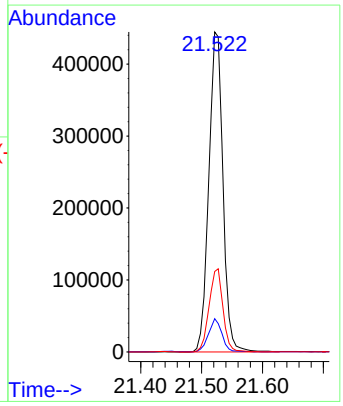


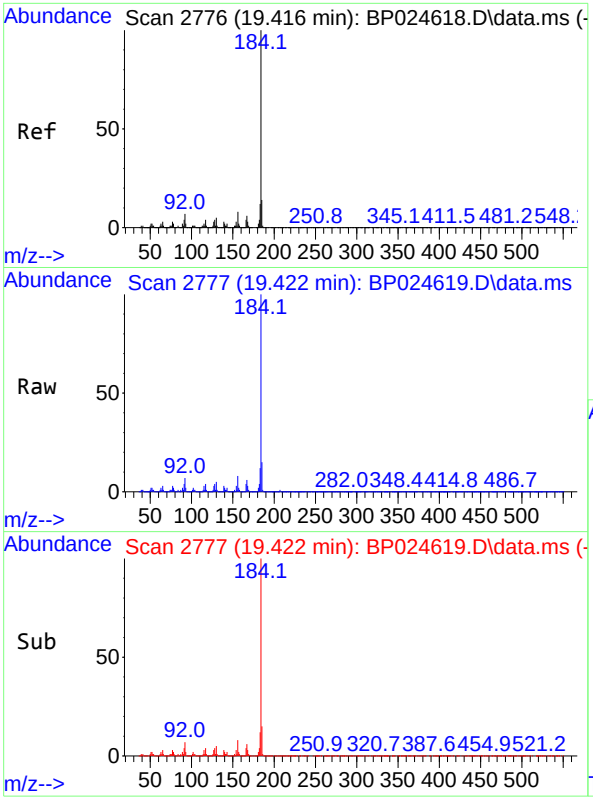




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.522 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:240 Resp: 717340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.4 | 7.8 | 11.6 |
| 236 | 25.1 | 20.6 | 31.0 |



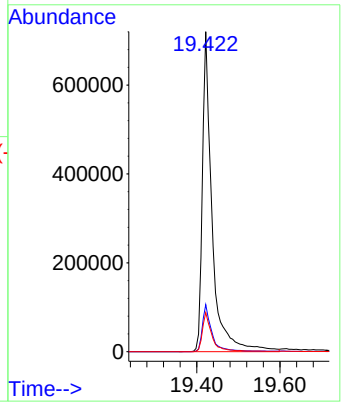


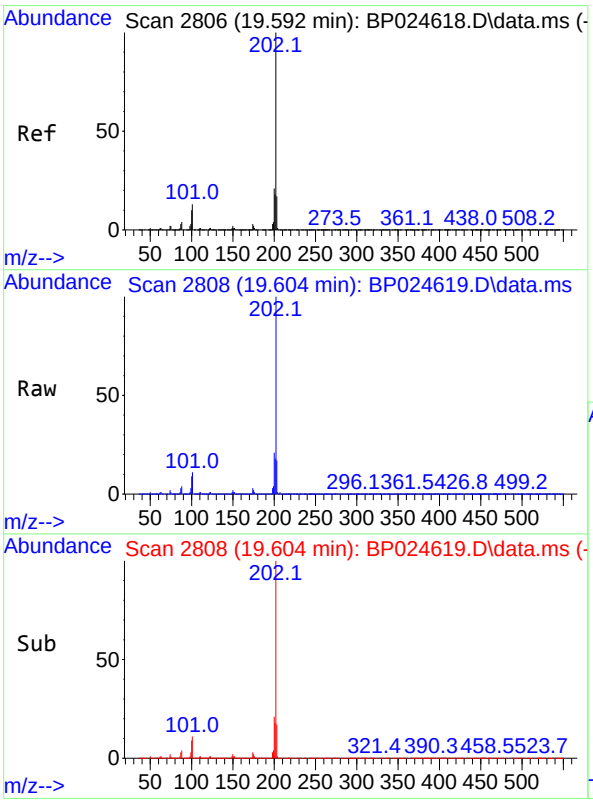

#77
Benzidine
Concen: 59.85 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:184 Resp: 1178505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.7 | 11.2 | 16.8 |
| 183 | 12.2 | 9.8 | 14.8 |

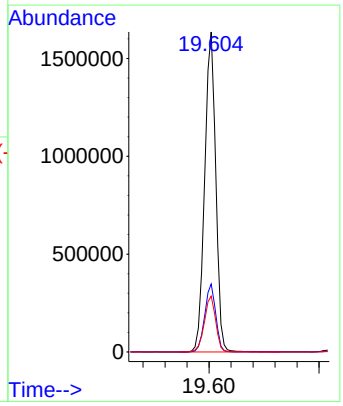


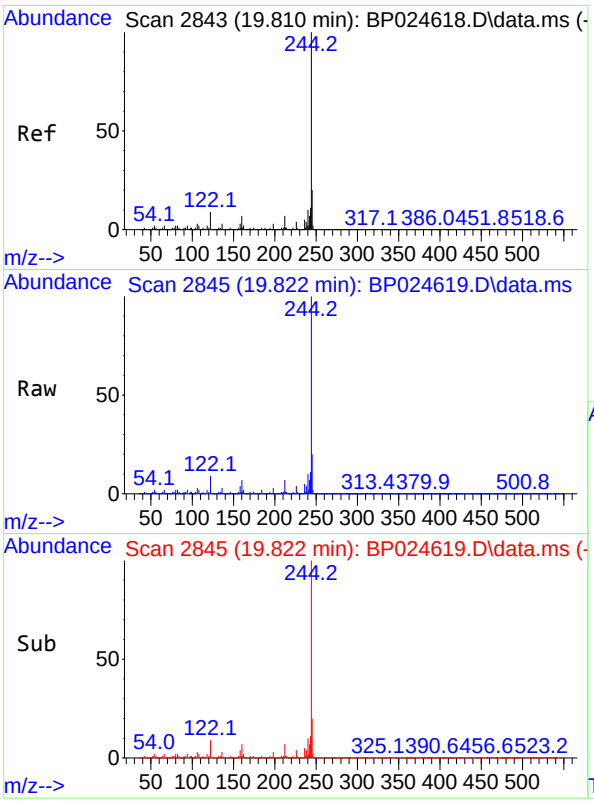




#78
Pyrene
Concen: 53.11 ng
RT: 19.604 min Scan# 2808
Delta R.T. 0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:202 Resp: 2282702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.3 | 16.9 | 25.3 |
| 203 | 17.4 | 13.9 | 20.9 |



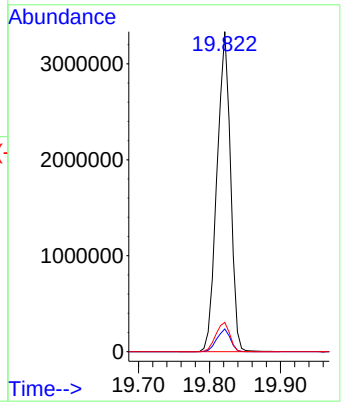


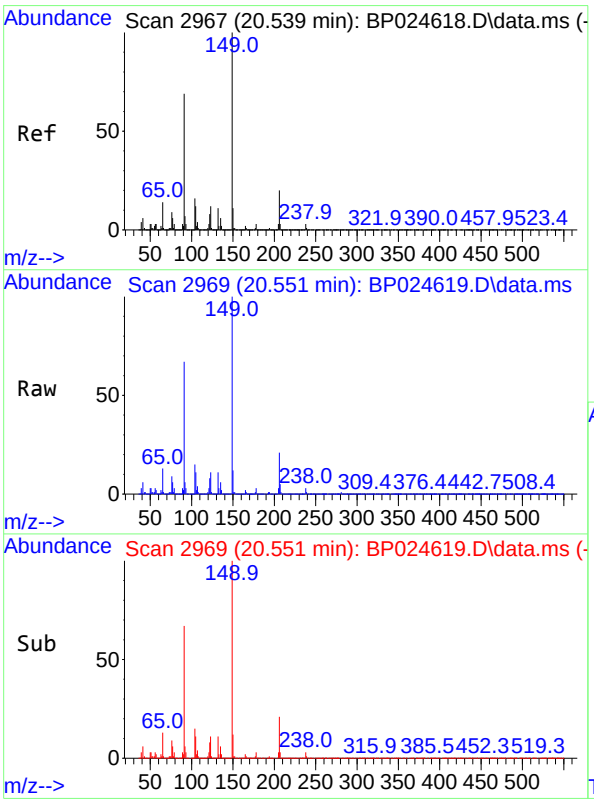

#79
Terphenyl-d14
Concen: 105.15 ng
RT: 19.822 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:244 Resp: 4398872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.5 | 8.3 |
| 122 | 9.2 | 7.4 | 11.0 |

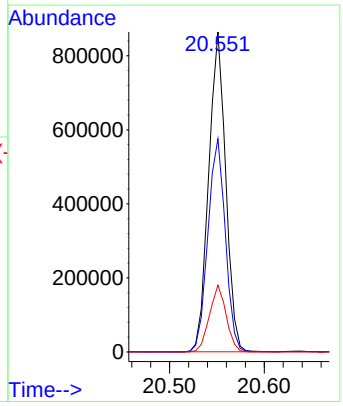


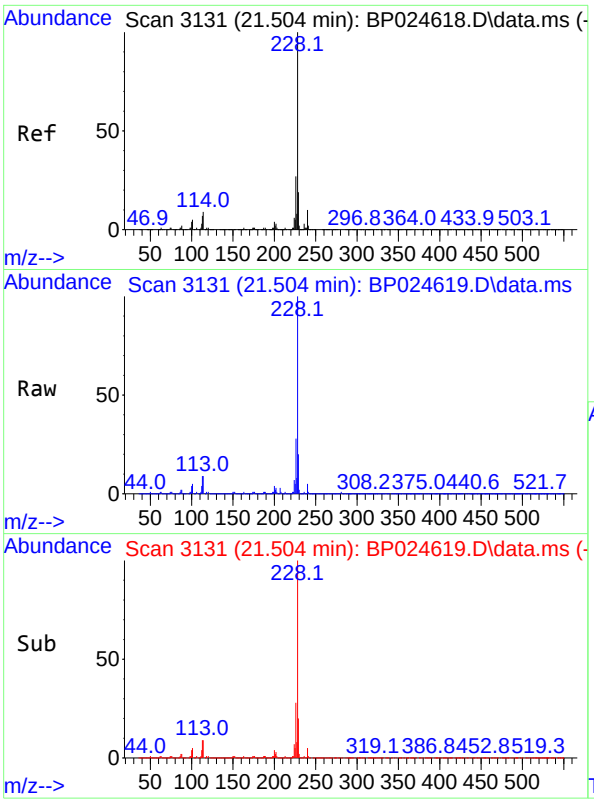




#80
Butylbenzylphthalate
Concen: 56.68 ng
RT: 20.551 min Scan# 2969
Delta R.T. 0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:149 Resp: 1083395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 66.6 | 55.4 | 83.0 |
| 206 | 20.8 | 16.2 | 24.2 |



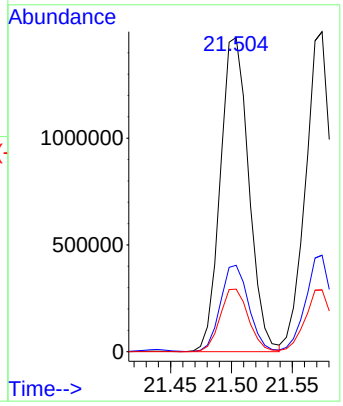


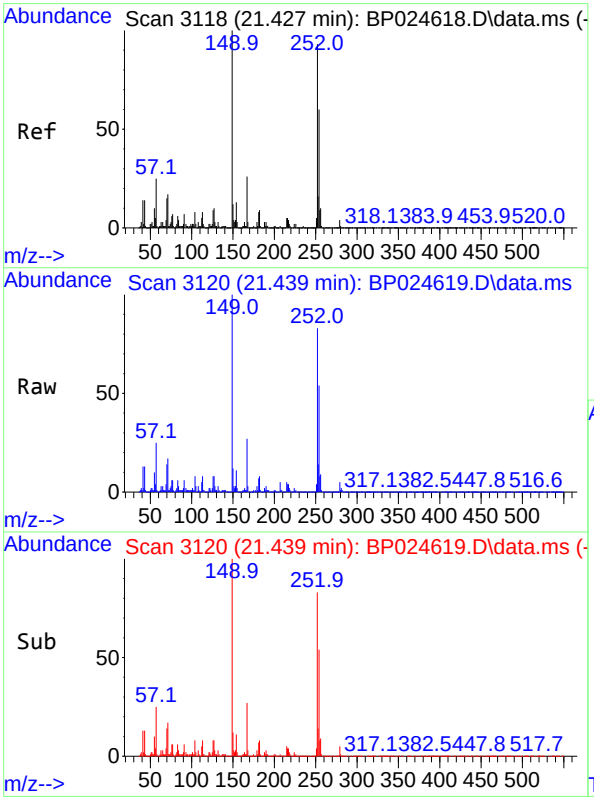

#81
Benzo(a)anthracene
Concen: 53.20 ng
RT: 21.504 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:228 Resp: 2396398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.5 | 21.4 | 32.0 |
| 229 | 19.9 | 15.5 | 23.3 |

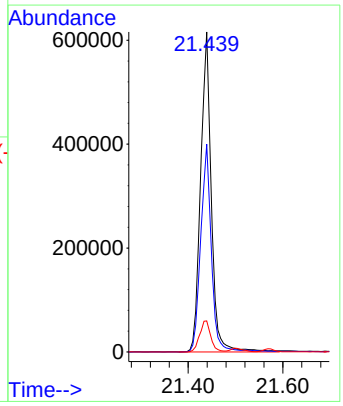


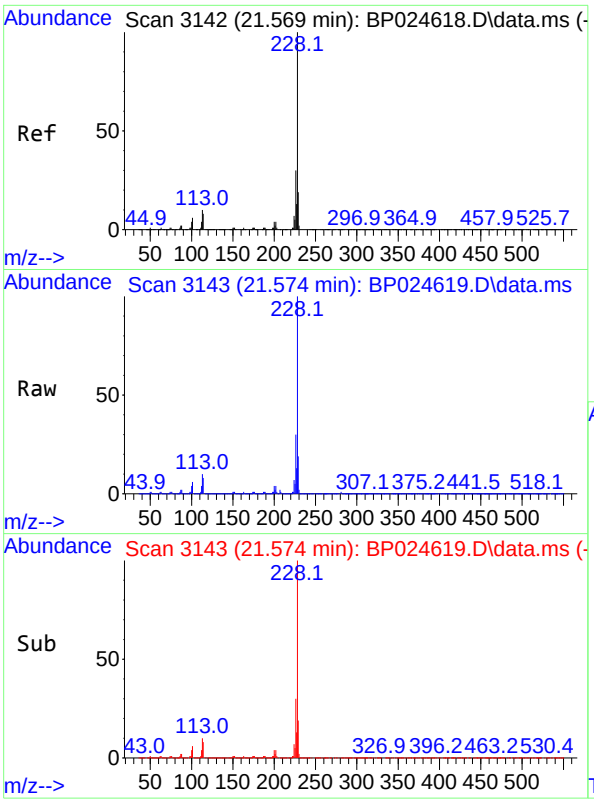




#82
3,3'-Dichlorobenzidine
Concen: 57.80 ng
RT: 21.439 min Scan# 3120
Delta R.T. 0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:252 Resp: 966906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.0 | 51.8 | 77.6 |
| 126 | 9.7 | 7.7 | 11.5 |



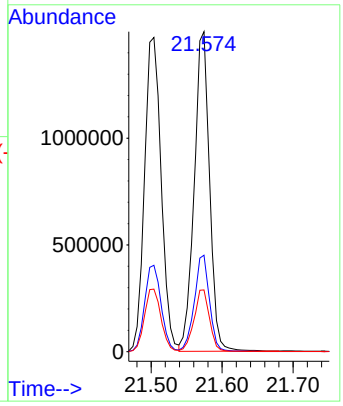


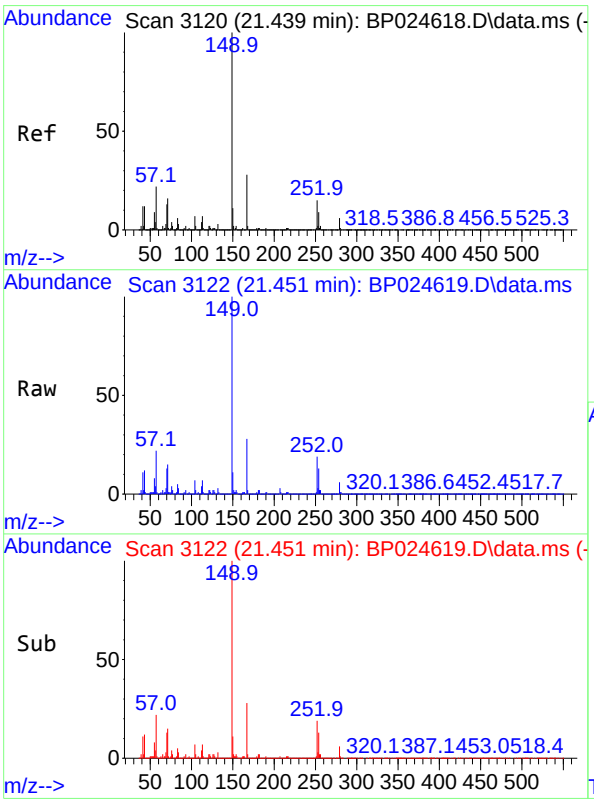

#83
Chrysene
Concen: 52.71 ng
RT: 21.574 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:228 Resp: 2250800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 23.9 | 35.9 |
| 229 | 19.3 | 15.5 | 23.3 |

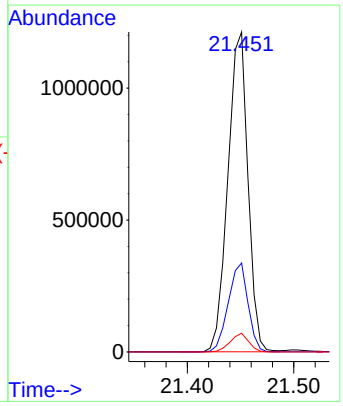


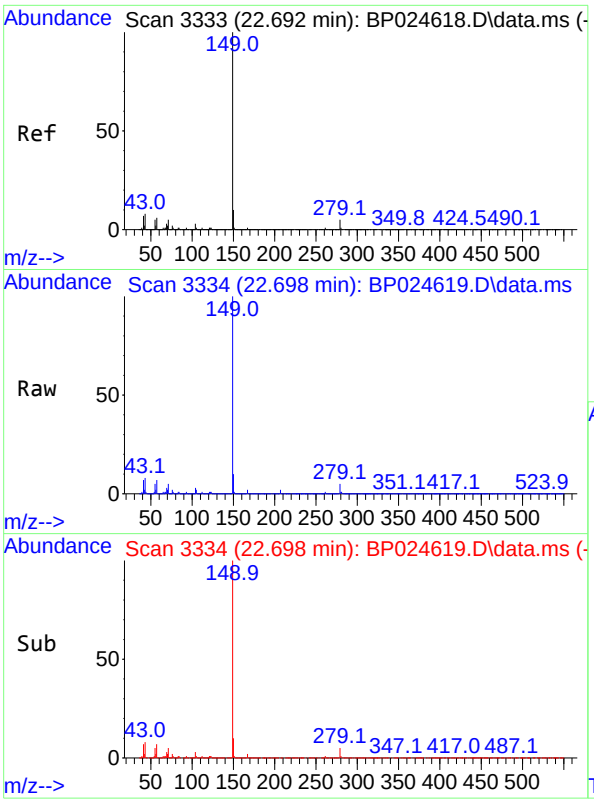




#84
Bis(2-ethylhexyl)phthalate
Concen: 56.42 ng
RT: 21.451 min Scan# 3122
Delta R.T. 0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:149 Resp: 1585070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.8 | 22.1 | 33.1 |
| 279 | 5.9 | 4.6 | 6.8 |



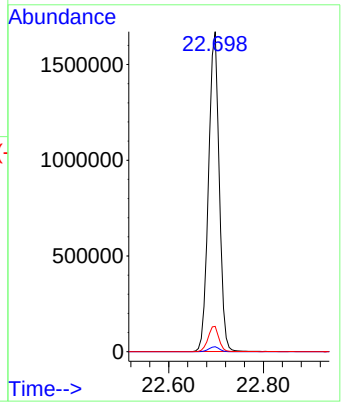


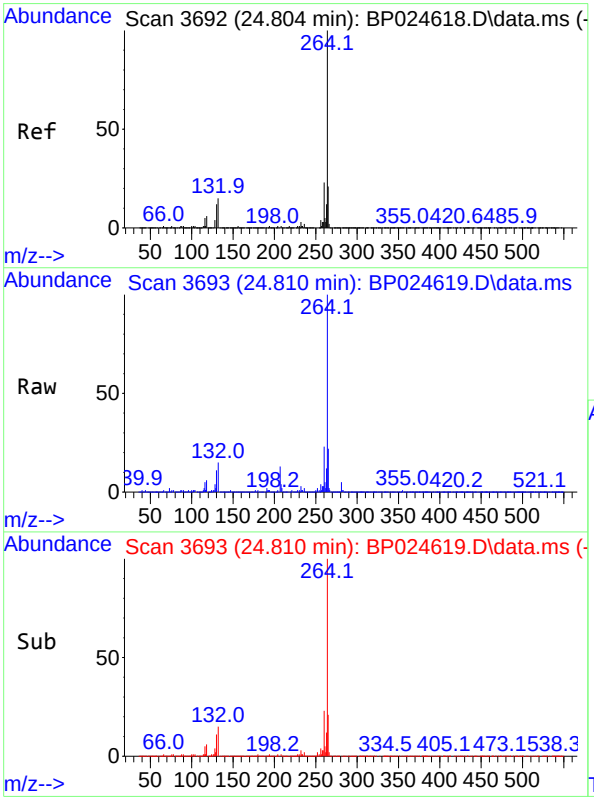

#85
Di-n-octyl phthalate
Concen: 56.91 ng
RT: 22.698 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:149 Resp: 2614856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.2 | 1.8 |
| 43 | 8.0 | 6.3 | 9.5 |

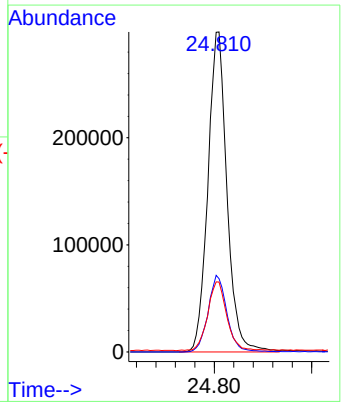


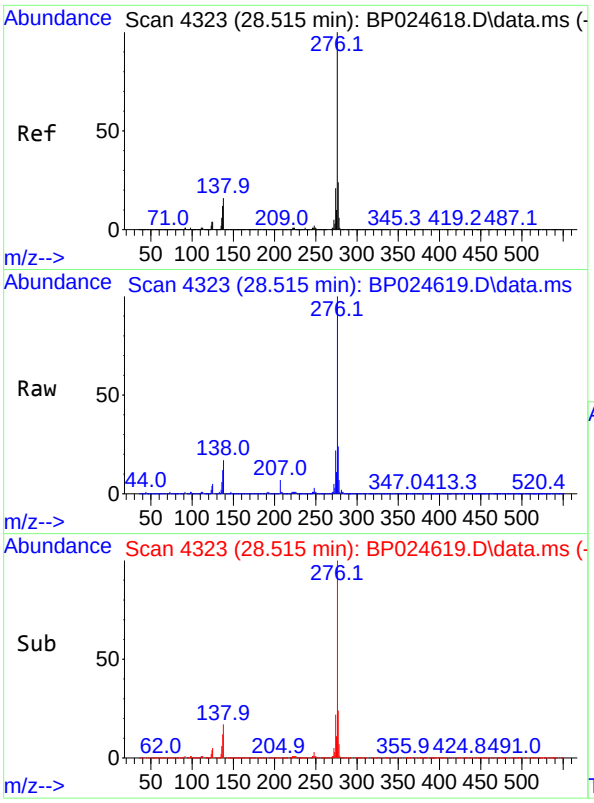




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.810 min Scan# 3693
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:264 Resp: 811421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.9 | 18.7 | 28.1 |
| 265 | 21.9 | 17.0 | 25.6 |



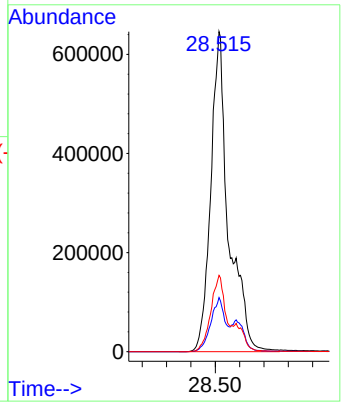


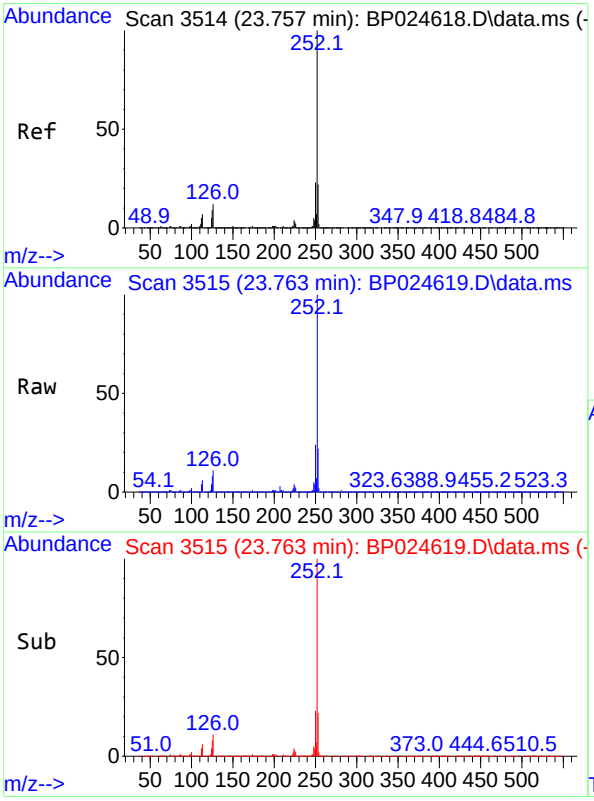

#87
Indeno(1,2,3-cd)pyrene
Concen: 55.06 ng
RT: 28.515 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:276 Resp: 3262830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 13.6 | 11.2 | 16.8 |
| 277 | 19.3 | 15.7 | 23.5 |

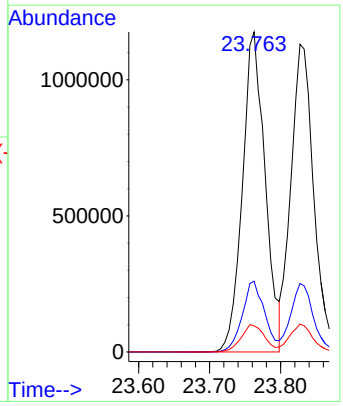


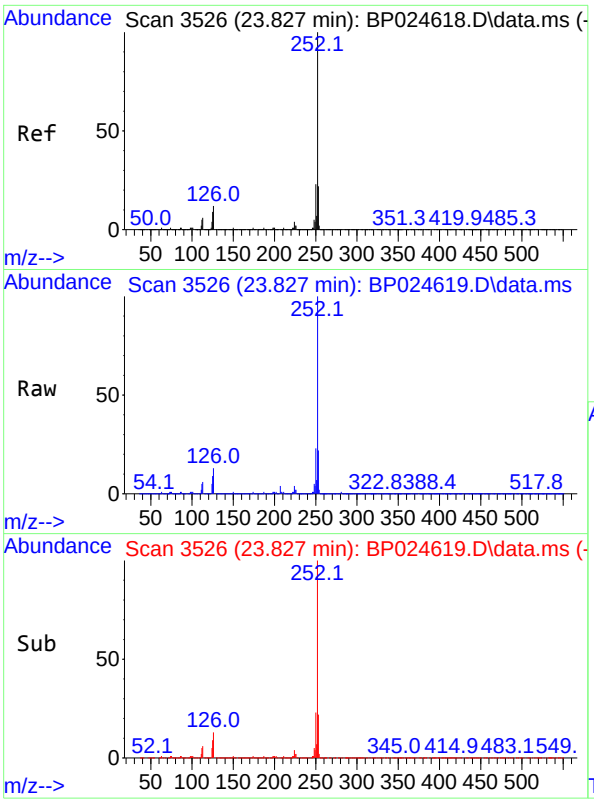




#88
Benzo(b)fluoranthene
Concen: 56.25 ng
RT: 23.763 min Scan# 3515
Delta R.T. 0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:252 Resp: 2612438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.7 | 26.5 |
| 125 | 8.2 | 7.5 | 11.3 |



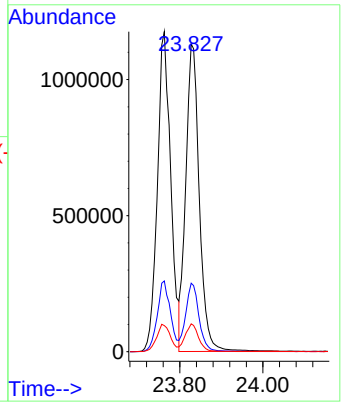


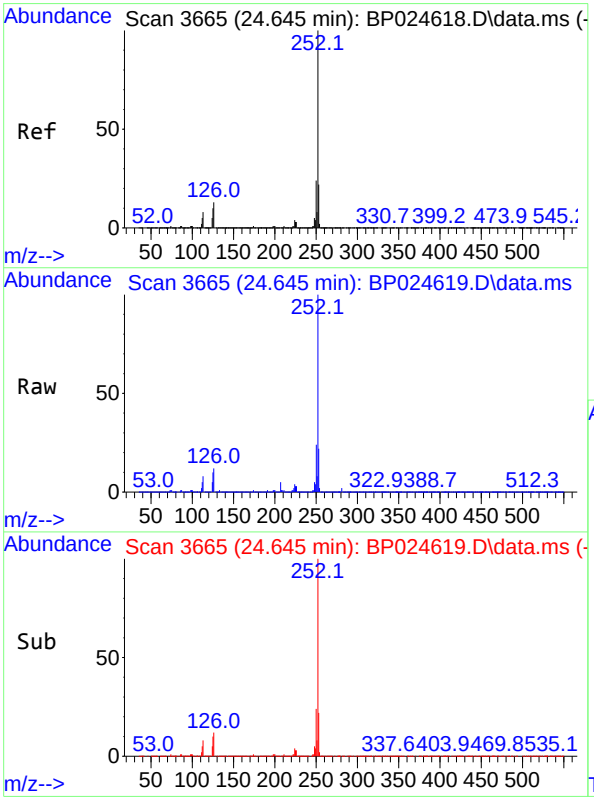

#89
Benzo(k)fluoranthene
Concen: 53.34 ng
RT: 23.827 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:252 Resp: 2552663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.6 | 26.4 |
| 125 | 9.1 | 7.0 | 10.4 |

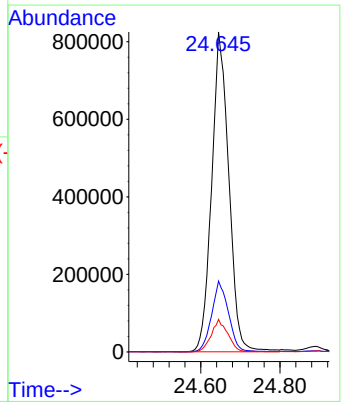


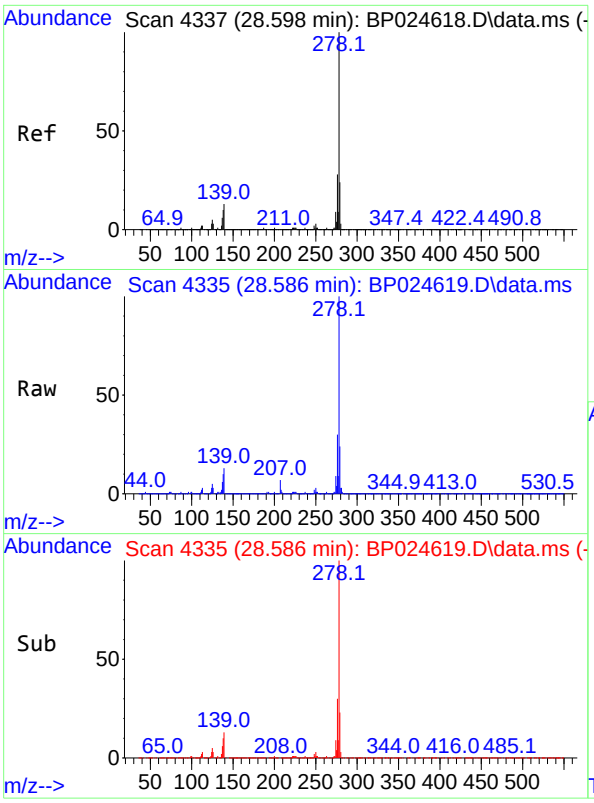




#90
Benzo(a)pyrene
Concen: 55.51 ng
RT: 24.645 min Scan# 3665
Delta R.T. 0.000 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:252 Resp: 2475976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.7 | 26.5 |
| 125 | 10.2 | 8.1 | 12.1 |



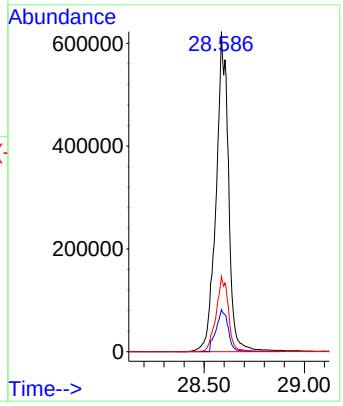


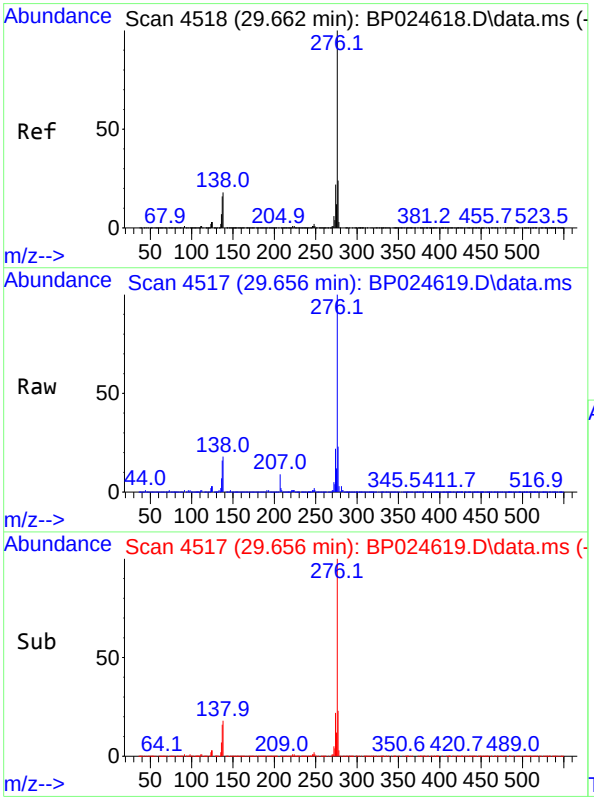

#91
Dibenzo(a,h)anthracene
Concen: 55.60 ng
RT: 28.586 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:278 Resp: 2679367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.2 | 10.2 | 15.4 |
| 279 | 23.5 | 19.0 | 28.4 |

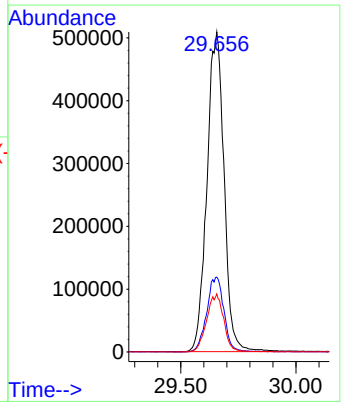



#92
Benzo(g,h,i)perylene
Concen: 54.79 ng
RT: 29.656 min Scan# 4517
Delta R.T. -0.006 min
Lab File: BP024619.D
Acq: 13 May 2025 14:05

Tgt Ion:276 Resp: 2625625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.4 | 19.0 | 28.4 |
| 138 | 18.2 | 14.4 | 21.6 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024620.D
Acq On : 13 May 2025 14:45
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Quant Time: May 13 16:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.663 | 152 | 106955 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.434 | 136 | 484921 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.292 | 164 | 325327 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.086 | 188 | 646756 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.521 | 240 | 726281 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.810 | 264 | 822943 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.281 | 112 | 784577 | 125.47 | ng | | 0.00 |
| 7) Phenol-d6 | 6.858 | 99 | 1039562 | 130.26 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.816 | 82 | 1188192 | 123.80 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.816 | 330 | 696428 | 126.27 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.910 | 172 | 2956939 | 119.08 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.822 | 244 | 5119872 | 120.88 | ng | | 0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.222 | 88 | 170174 | 57.95 | ng | | 99 |
| 3) Pyridine | 3.617 | 79 | 419426 | 64.42 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.528 | 42 | 178836 | 62.22 | ng | | 99 |
| 6) Aniline | 7.005 | 93 | 670773 | 65.10 | ng | | 100 |
| 8) 2-Chlorophenol | 7.240 | 128 | 459952 | 64.79 | ng | | 99 |
| 9) Benzaldehyde | 6.816 | 77 | 305987 | 59.33 | ng | | 98 |
| 10) Phenol | 6.881 | 94 | 535743 | 65.04 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.099 | 93 | 416957 | 61.60 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.552 | 146 | 496139 | 60.75 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.699 | 146 | 502743 | 61.20 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.010 | 146 | 490458 | 61.27 | ng | | 99 |
| 15) Benzyl Alcohol | 7.910 | 79 | 413146 | 68.12 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.181 | 45 | 501972 | 61.93 | ng | | 98 |
| 17) 2-Methylphenol | 8.110 | 107 | 389272 | 65.89 | ng | | 98 |
| 18) Hexachloroethane | 8.728 | 117 | 191530 | 60.85 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.463 | 70 | 363059 | 65.76 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.434 | 107 | 543003 | 67.57 | ng | | 99 |
| 22) Acetophenone | 8.481 | 105 | 744359 | 61.45 | ng | # | 98 |
| 24) Nitrobenzene | 8.857 | 77 | 518098 | 61.34 | ng | | 97 |
| 25) Isophorone | 9.381 | 82 | 1048461 | 62.98 | ng | | 99 |
| 26) 2-Nitrophenol | 9.557 | 139 | 278764 | 67.36 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.622 | 122 | 462148 | 63.34 | ng | | 100 |
| 28) bis(2-Chloroethoxy)met... | 9.851 | 93 | 610221 | 61.35 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.093 | 162 | 459806 | 65.03 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.299 | 180 | 478505 | 60.05 | ng | | 97 |
| 31) Naphthalene | 10.487 | 128 | 1508460 | 60.03 | ng | | 100 |
| 32) Benzoic acid | 9.799 | 122 | 319375 | 60.53 | ng | | 99 |
| 33) 4-Chloroaniline | 10.599 | 127 | 671888 | 66.26 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.769 | 225 | 303458 | 58.79 | ng | | 98 |
| 35) Caprolactam | 11.404 | 113 | 175653 | 68.70 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 11.740 | 107 | 559138 | 64.84 | ng | | 100 |
| 37) 2-Methylnaphthalene | 12.098 | 142 | 1008171 | 61.96 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.316 | 142 | 1066290 | 61.25 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.469 | 216 | 566530 | 59.97 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.445 | 237 | 381621 | 66.62 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 12.716 | 196 | 400552 | 65.46 | ng | | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024620.D
Acq On : 13 May 2025 14:45
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Quant Time: May 13 16:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

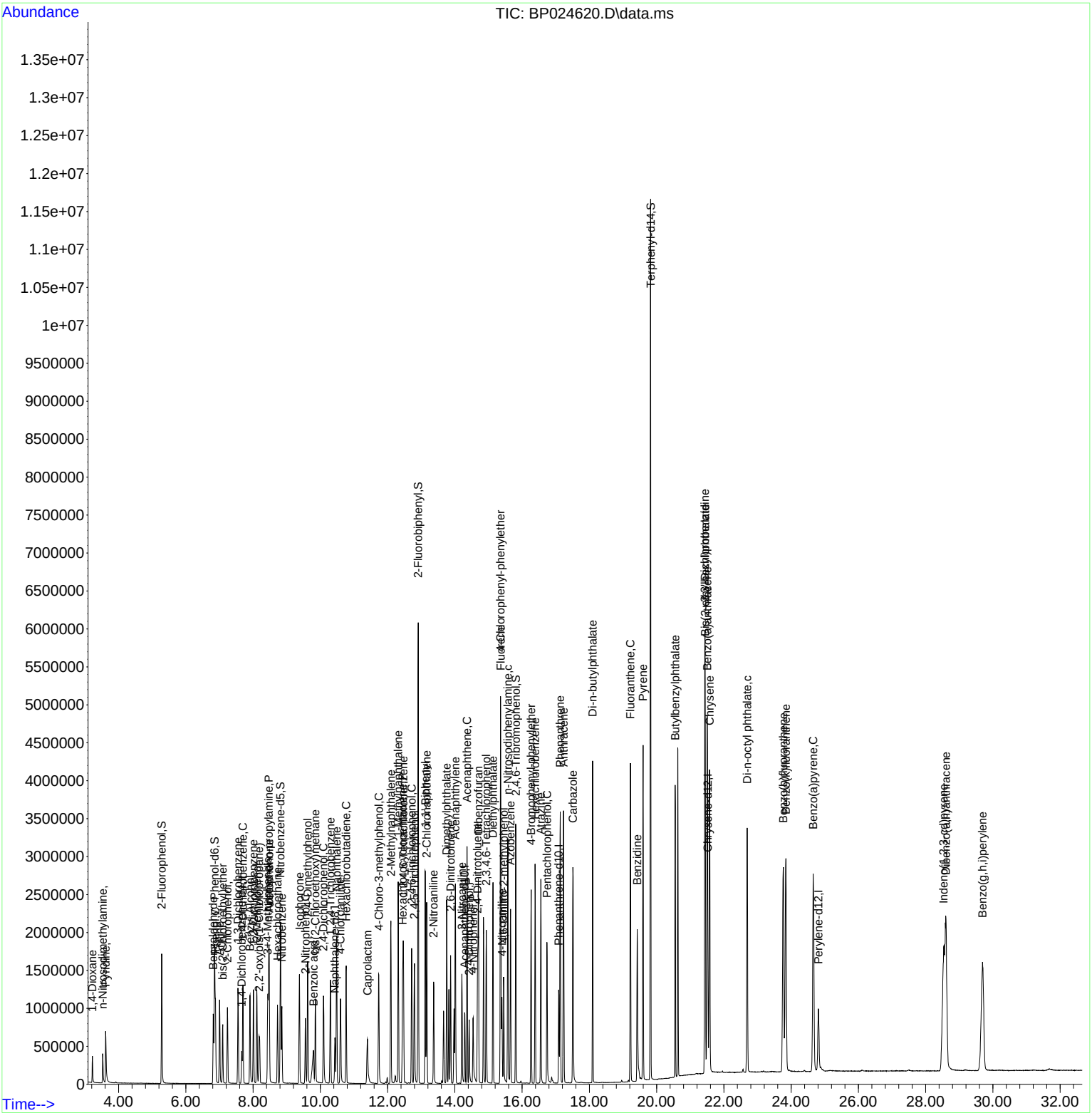
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.798 | 196 | 436361 | 64.06 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.122 | 154 | 1437786 | 59.80 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.163 | 162 | 1105298 | 60.29 | ng | | 100 |
| 48) 2-Nitroaniline | 13.369 | 65 | 354977 | 65.40 | ng | | 98 |
| 49) Acenaphthylene | 14.016 | 152 | 1884018 | 61.41 | ng | | 100 |
| 50) Dimethylphthalate | 13.757 | 163 | 1498318 | 60.42 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.875 | 165 | 328682 | 62.76 | ng | | 99 |
| 52) Acenaphthene | 14.363 | 154 | 1072483 | 60.80 | ng | | 100 |
| 53) 3-Nitroaniline | 14.210 | 138 | 361174 | 67.54 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 14.428 | 184 | 196350 | 61.10 | ng | | 96 |
| 55) Dibenzofuran | 14.698 | 168 | 1691790 | 60.13 | ng | | 99 |
| 56) 4-Nitrophenol | 14.545 | 139 | 281293 | 61.78 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 14.675 | 165 | 471525 | 63.87 | ng | | 99 |
| 58) Fluorene | 15.363 | 166 | 1376412 | 60.00 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.934 | 232 | 396678 | 62.78 | ng | | 99 |
| 60) Diethylphthalate | 15.134 | 149 | 1525628 | 60.87 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.357 | 204 | 692230 | 60.51 | ng | | 99 |
| 62) 4-Nitroaniline | 15.404 | 138 | 354287 | 68.05 | ng | | 99 |
| 63) Azobenzene | 15.657 | 77 | 1310800 | 61.14 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 15.457 | 198 | 278024 | 66.55 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 15.575 | 169 | 1205525 | 60.68 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.269 | 248 | 469127 | 61.56 | ng | | 99 |
| 68) Hexachlorobenzene | 16.386 | 284 | 590615 | 60.99 | ng | | 99 |
| 69) Atrazine | 16.557 | 200 | 460742 | 63.29 | ng | | 98 |
| 70) Pentachlorophenol | 16.739 | 266 | 371465 | 68.29 | ng | | 99 |
| 71) Phenanthrene | 17.133 | 178 | 2183329 | 60.73 | ng | | 100 |
| 72) Anthracene | 17.233 | 178 | 2210412 | 61.11 | ng | | 99 |
| 73) Carbazole | 17.510 | 167 | 2042777 | 62.39 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.098 | 149 | 2644959 | 62.81 | ng | | 99 |
| 75) Fluoranthene | 19.222 | 202 | 2594532 | 61.73 | ng | | 100 |
| 77) Benzidine | 19.422 | 184 | 1304259 | 65.42 | ng | | 99 |
| 78) Pyrene | 19.598 | 202 | 2661811 | 61.17 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.551 | 149 | 1243403 | 64.25 | ng | | 100 |
| 81) Benzo(a)anthracene | 21.504 | 228 | 2778689 | 60.93 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.433 | 252 | 1114122 | 65.77 | ng | | 100 |
| 83) Chrysene | 21.574 | 228 | 2588513 | 59.88 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.445 | 149 | 1822019 | 64.05 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.692 | 149 | 2998832 | 64.47 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.533 | 276 | 3824922 | 63.64 | ng | # | 92 |
| 88) Benzo(b)fluoranthene | 23.768 | 252 | 2922103 | 62.04 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.845 | 252 | 3055252 | 62.95 | ng | | 100 |
| 90) Benzo(a)pyrene | 24.657 | 252 | 2881508 | 63.69 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 28.603 | 278 | 3137905 | 64.20 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.692 | 276 | 3065416 | 63.07 | ng | | 100 |

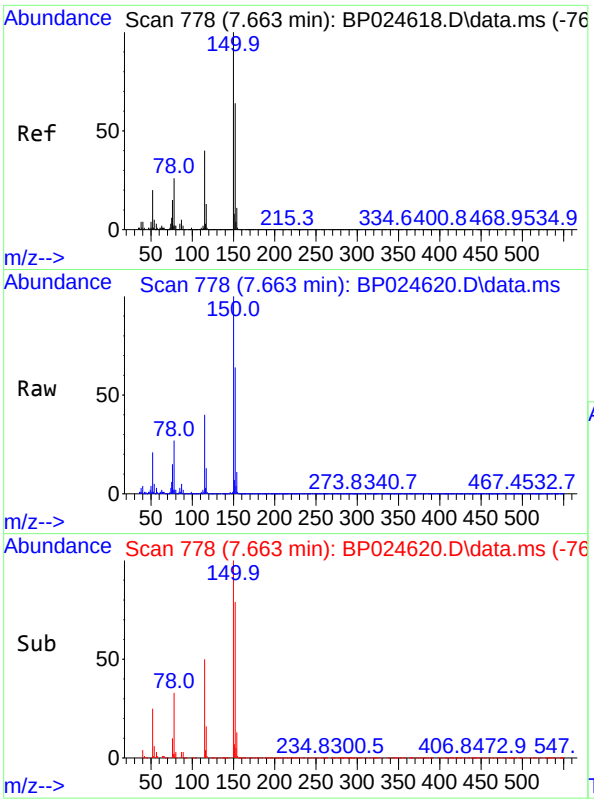
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024620.D
Acq On : 13 May 2025 14:45
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Quant Time: May 13 16:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration



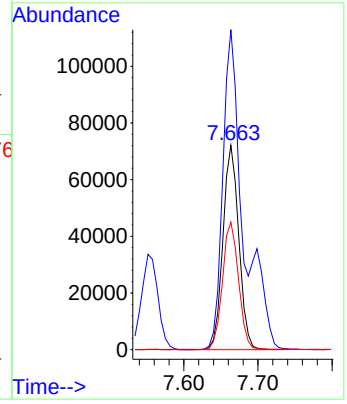


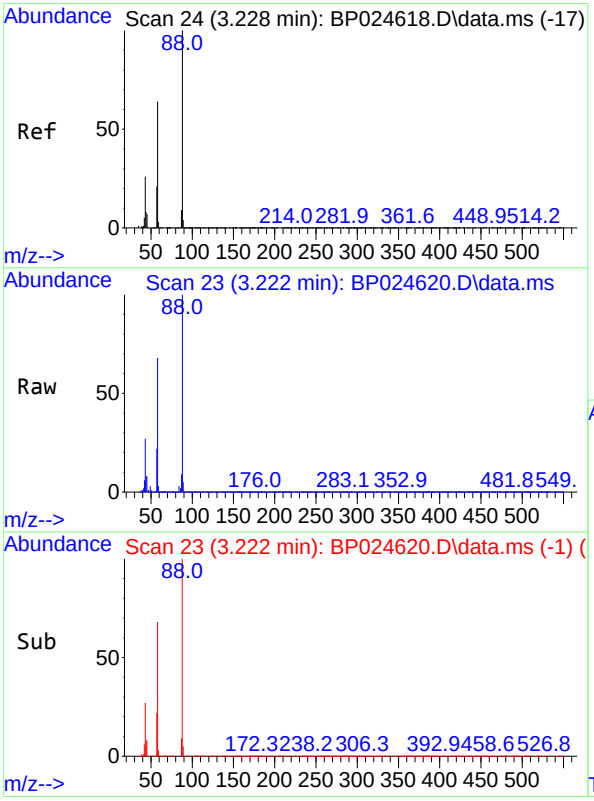

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:152 Resp: 106955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.6 | 125.9 | 188.9 |
| 115 | 62.4 | 50.1 | 75.1 |

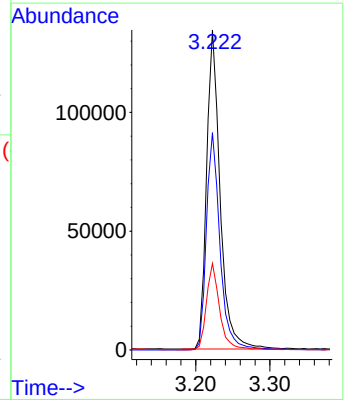


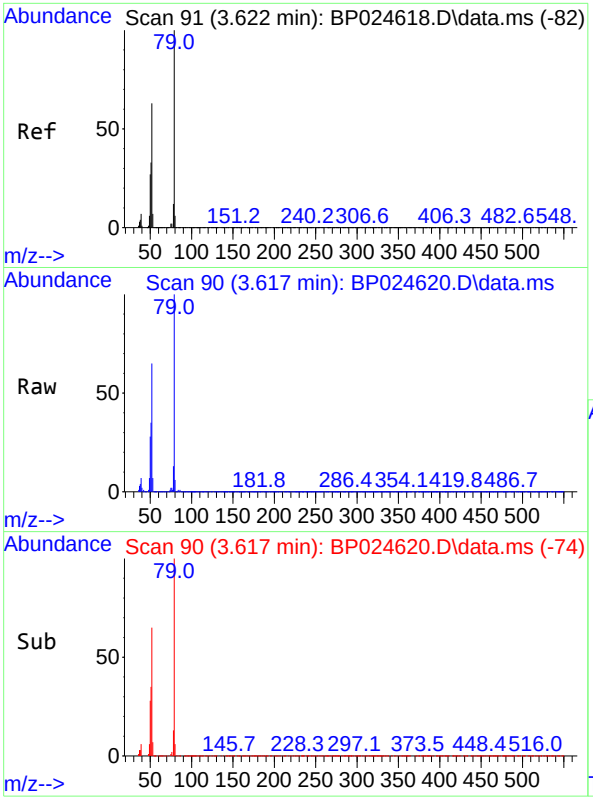




#2
1,4-Dioxane
Concen: 57.95 ng
RT: 3.222 min Scan# 23
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion: 88 Resp: 170174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 68.9 | 54.0 | 81.0 |
| 43 | 26.5 | 21.4 | 32.0 |



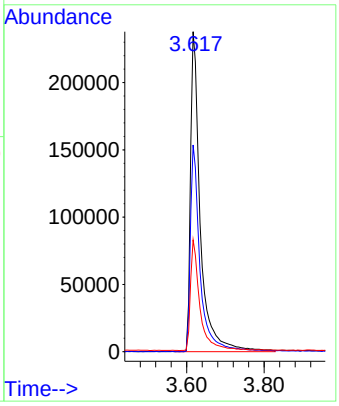


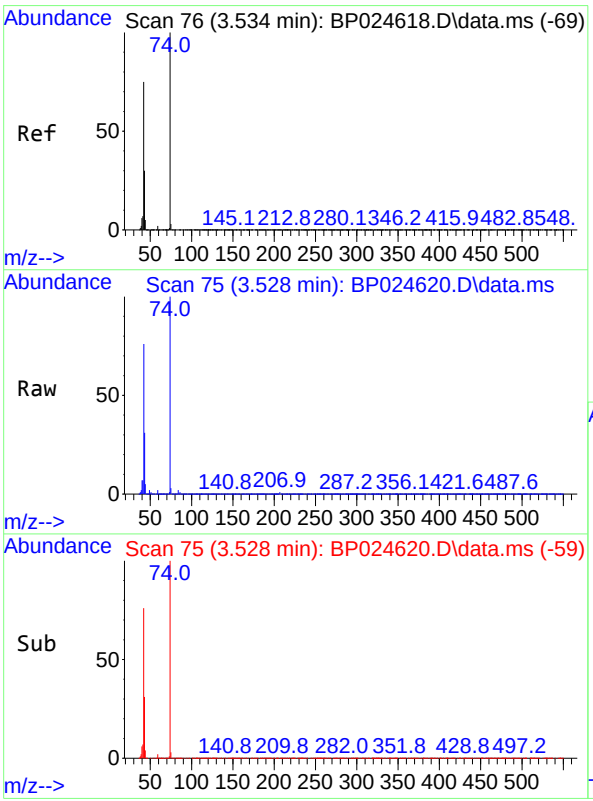

#3
Pyridine
Concen: 64.42 ng
RT: 3.617 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 79 Resp: 419426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 64.6 | 50.2 | 75.2 |
| 51 | 34.9 | 26.8 | 40.2 |

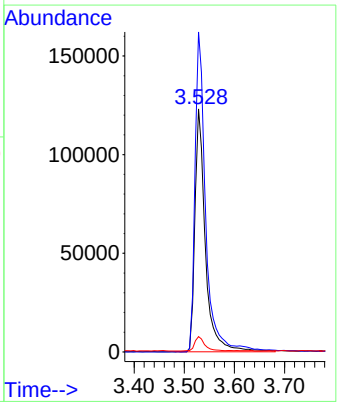


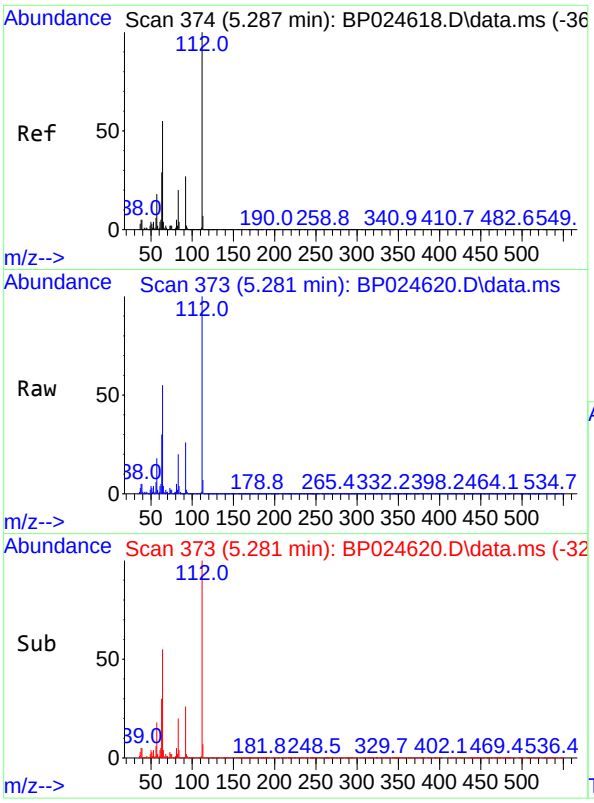




#4
n-Nitrosodimethylamine
Concen: 62.22 ng
RT: 3.528 min Scan# 75
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion: 42 Resp: 178836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 131.7 | 106.2 | 159.2 |
| 44 | 6.3 | 5.4 | 8.2 |



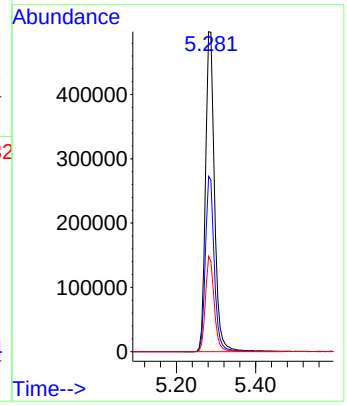


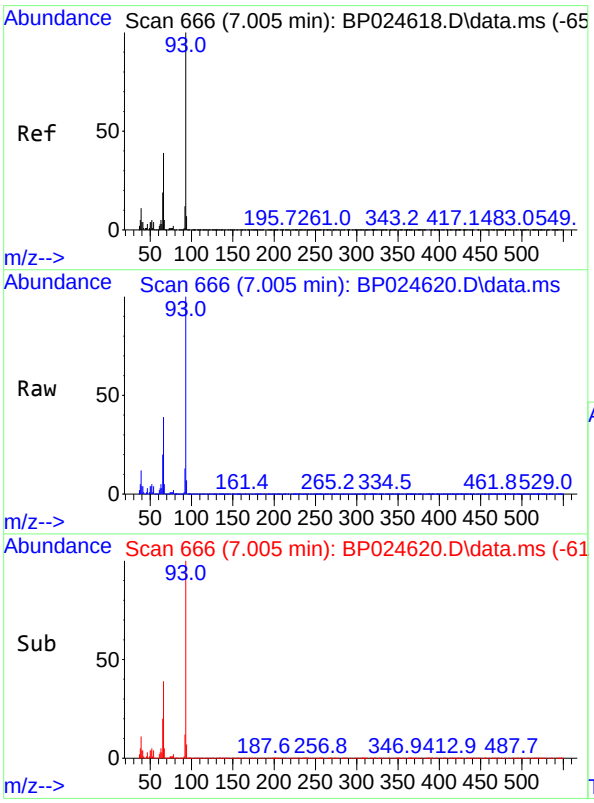

#5
2-Fluorophenol
Concen: 125.47 ng
RT: 5.281 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:112 Resp: 784577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.8 | 44.1 | 66.1 |
| 63 | 29.8 | 23.5 | 35.3 |

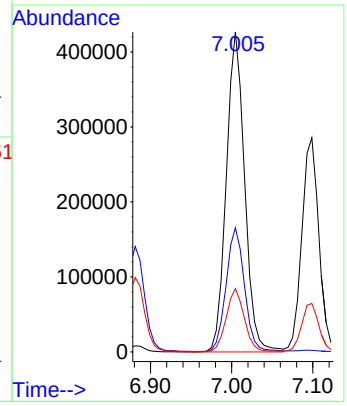


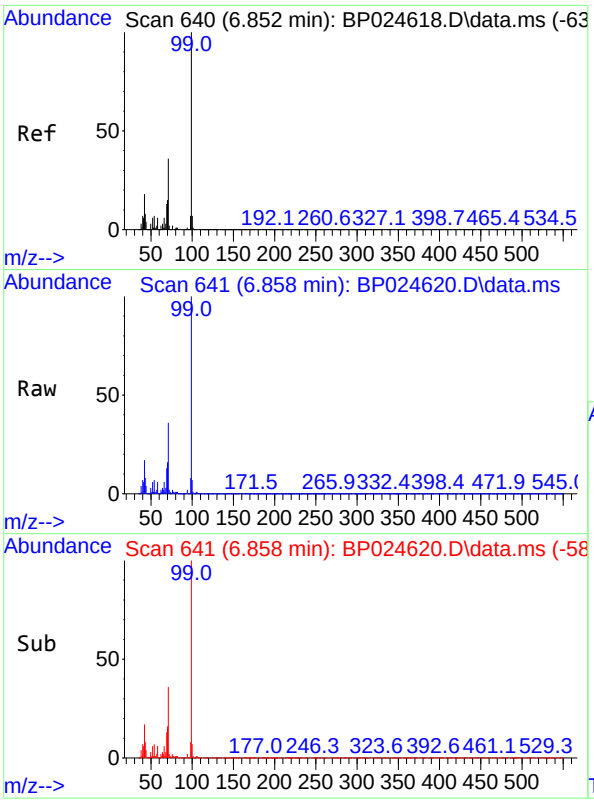




#6
Aniline
Concen: 65.10 ng
RT: 7.005 min Scan# 666
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion: 93 Resp: 670773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 38.8 | 31.0 | 46.6 |
| 65 | 19.8 | 15.5 | 23.3 |



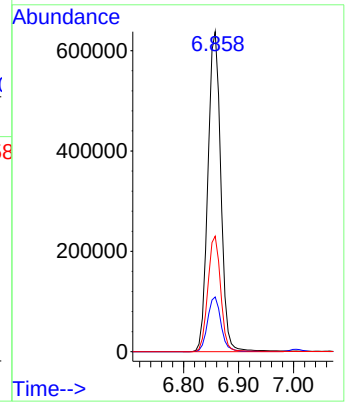


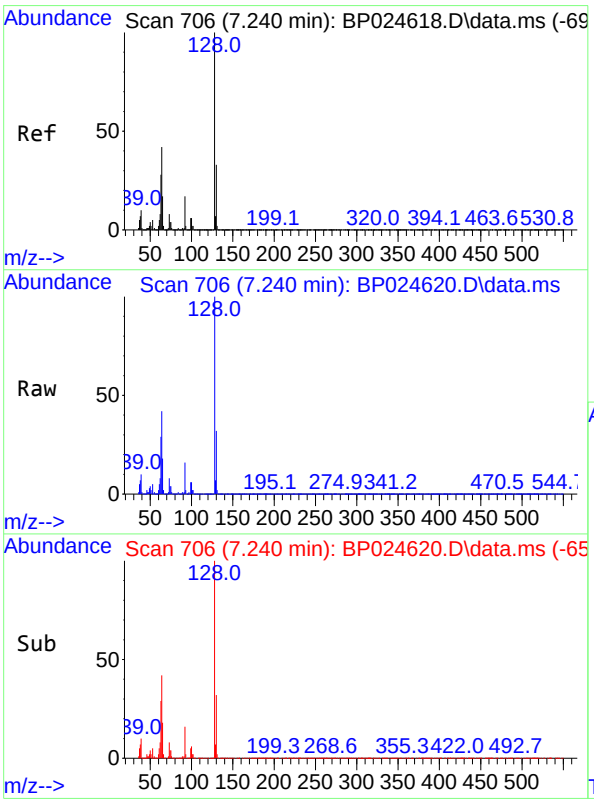

#7
Phenol-d6
Concen: 130.26 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 99 Resp: 1039562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.1 | 14.4 | 21.6 |
| 71 | 36.1 | 29.2 | 43.8 |

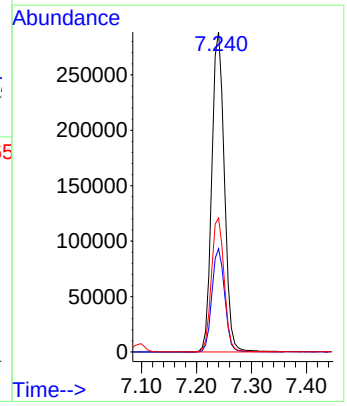


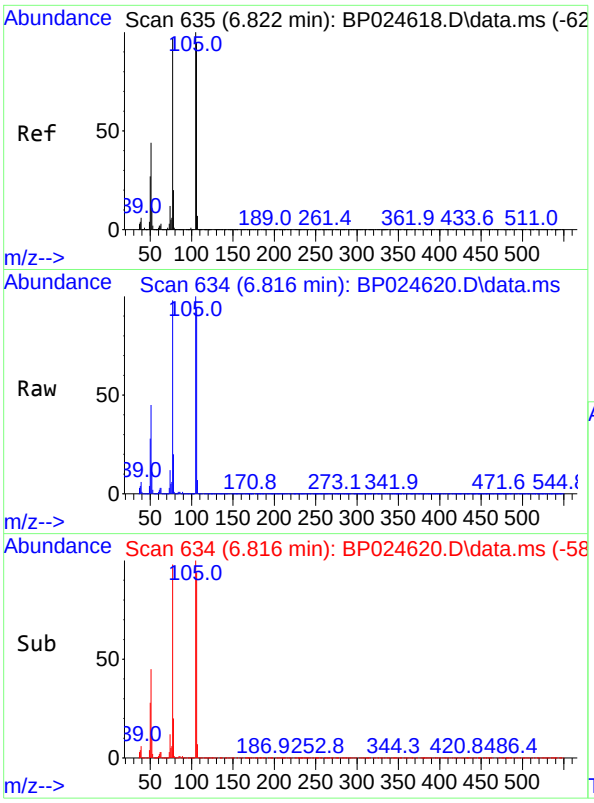




#8
2-Chlorophenol
Concen: 64.79 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:128 Resp: 459952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.3 | 13.0 | 53.0 |
| 64 | 41.9 | 22.3 | 62.3 |



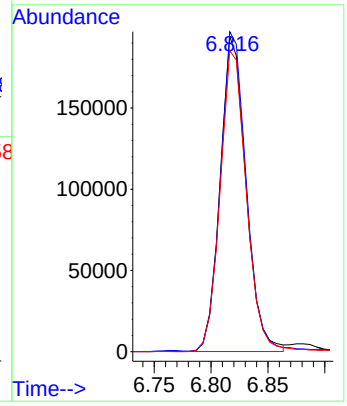


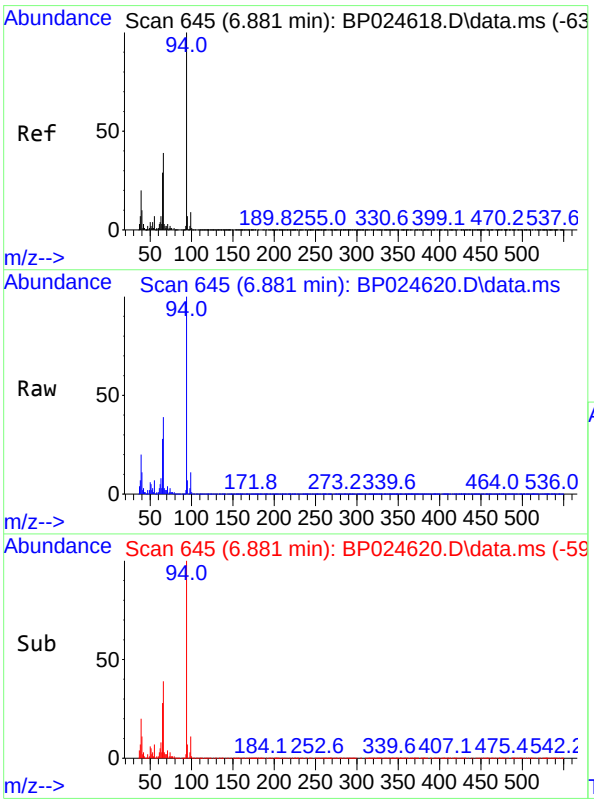

#9
Benzaldehyde
Concen: 59.33 ng
RT: 6.816 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 77 Resp: 305987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 101.6 | 83.3 | 123.3 |
| 106 | 95.5 | 78.0 | 118.0 |

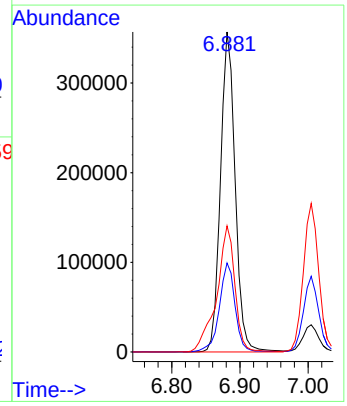


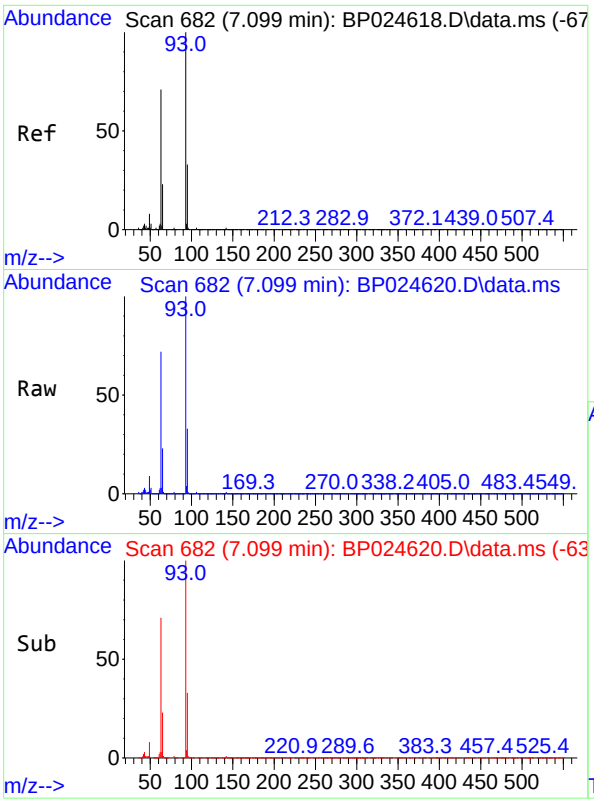




#10
Phenol
Concen: 65.04 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion: 94 Resp: 535743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 27.8 | 8.7 | 48.7 |
| 66 | 39.4 | 19.4 | 59.4 |



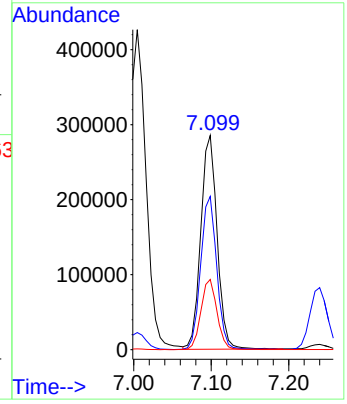


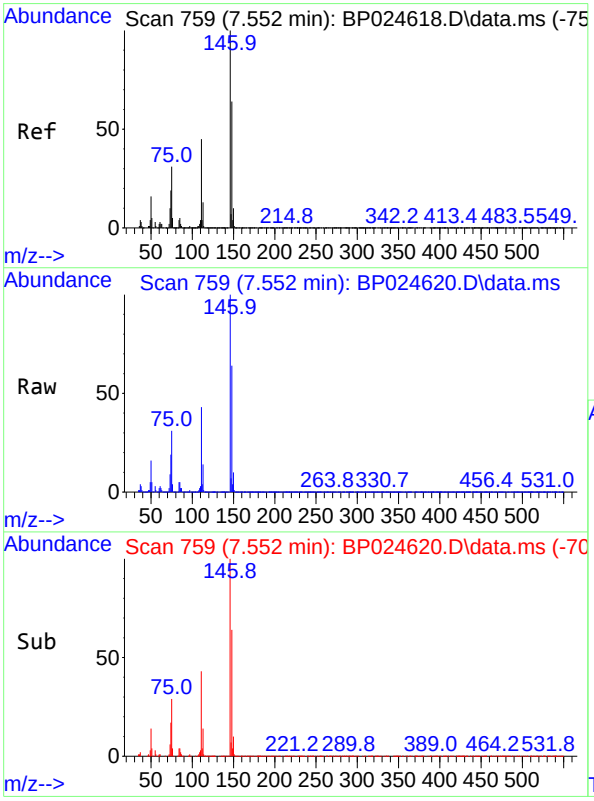

#11
bis(2-Chloroethyl)ether
Concen: 61.60 ng
RT: 7.099 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 93 Resp: 416957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 71.6 | 50.6 | 90.6 |
| 95 | 32.8 | 12.9 | 52.9 |

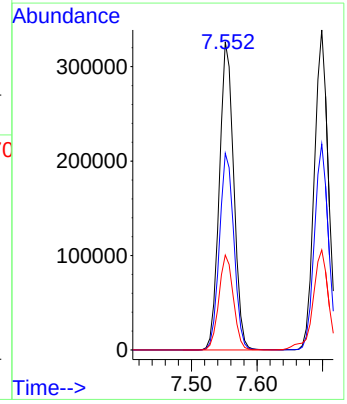


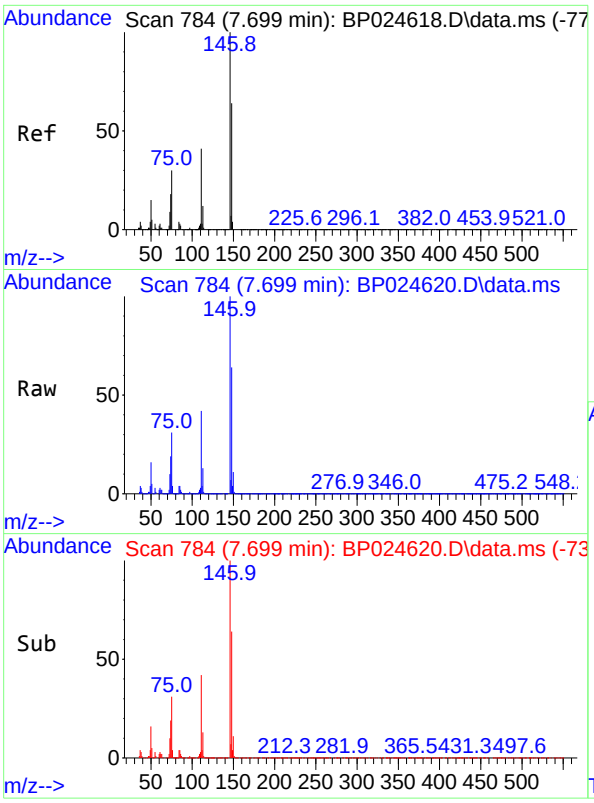




#12
1,3-Dichlorobenzene
Concen: 60.75 ng
RT: 7.552 min Scan# 759
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:146 Resp: 496139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 51.4 | 77.2 |
| 75 | 30.8 | 25.2 | 37.8 |



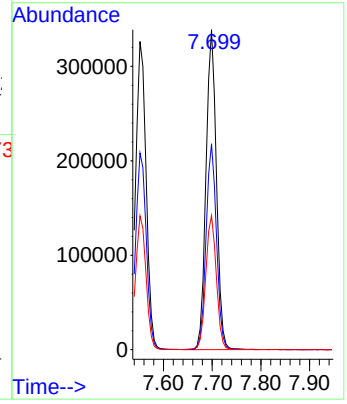


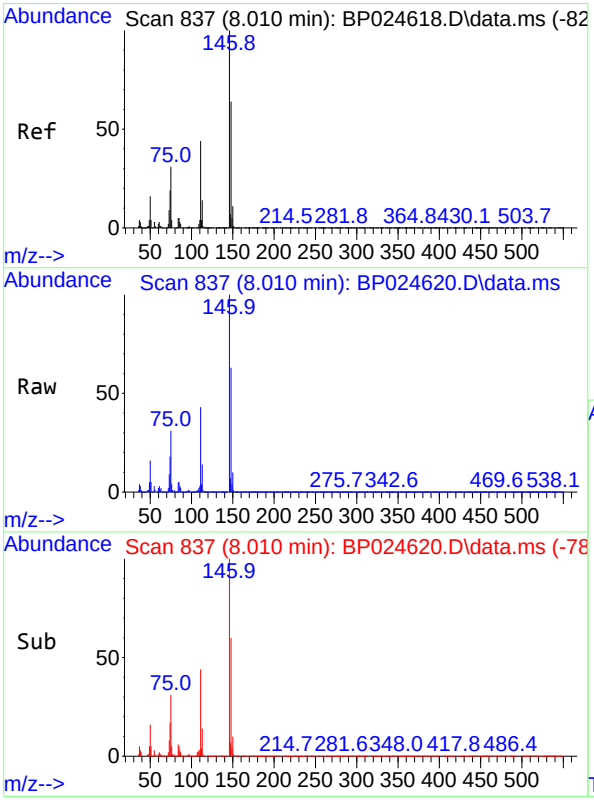

#13
1,4-Dichlorobenzene
Concen: 61.20 ng
RT: 7.699 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:146 Resp: 502743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 51.0 | 76.6 |
| 111 | 41.9 | 33.0 | 49.6 |

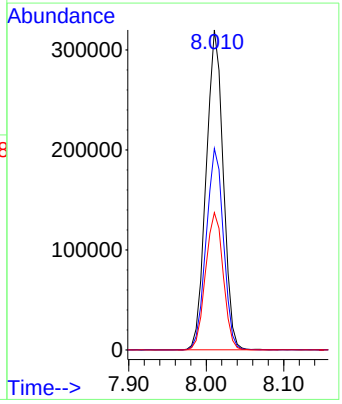


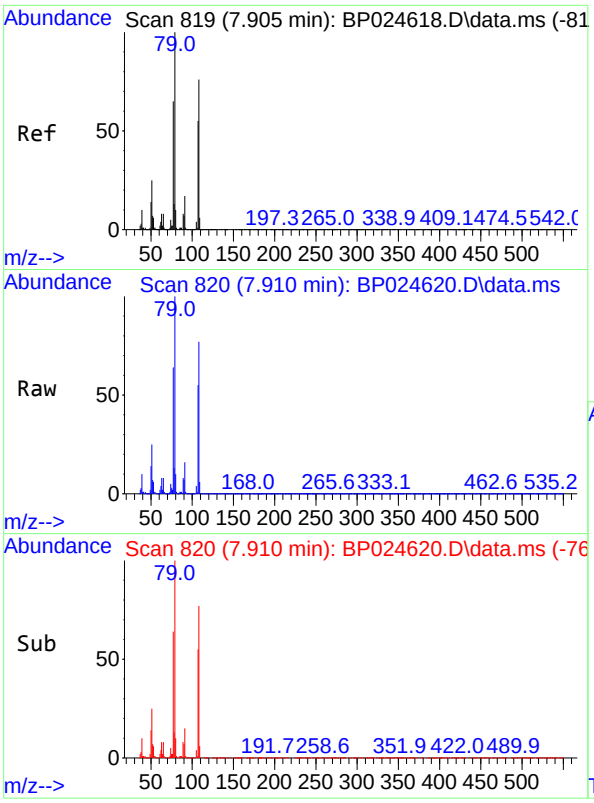




#14
1,2-Dichlorobenzene
Concen: 61.27 ng
RT: 8.010 min Scan# 837
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:146 Resp: 490458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.9 | 51.0 | 76.4 |
| 111 | 42.9 | 35.2 | 52.8 |



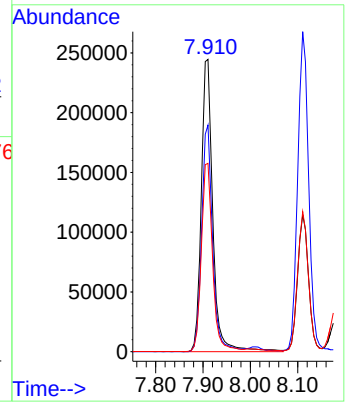


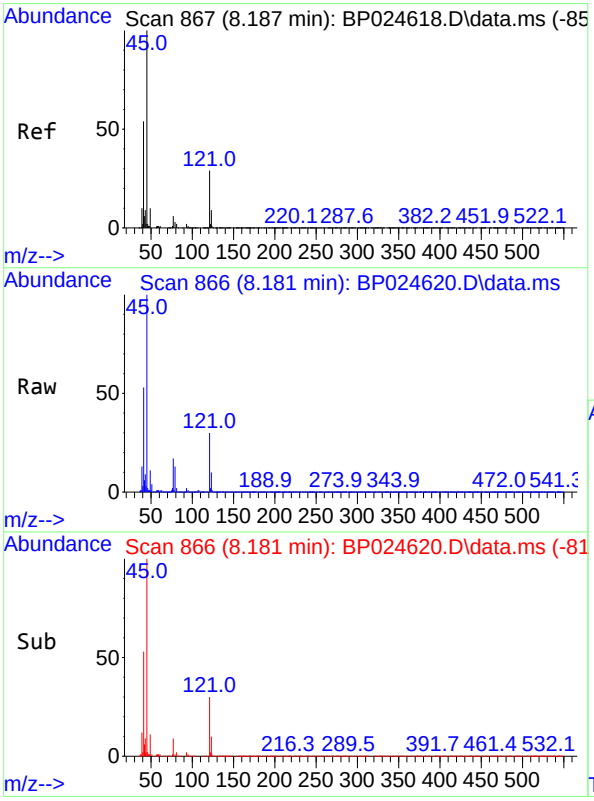

#15
Benzyl Alcohol
Concen: 68.12 ng
RT: 7.910 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 79 Resp: 413146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 77.5 | 60.8 | 91.2 |
| 77 | 64.4 | 51.9 | 77.9 |

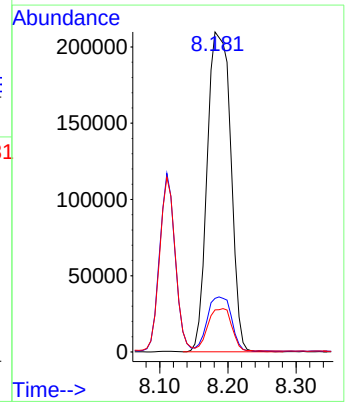


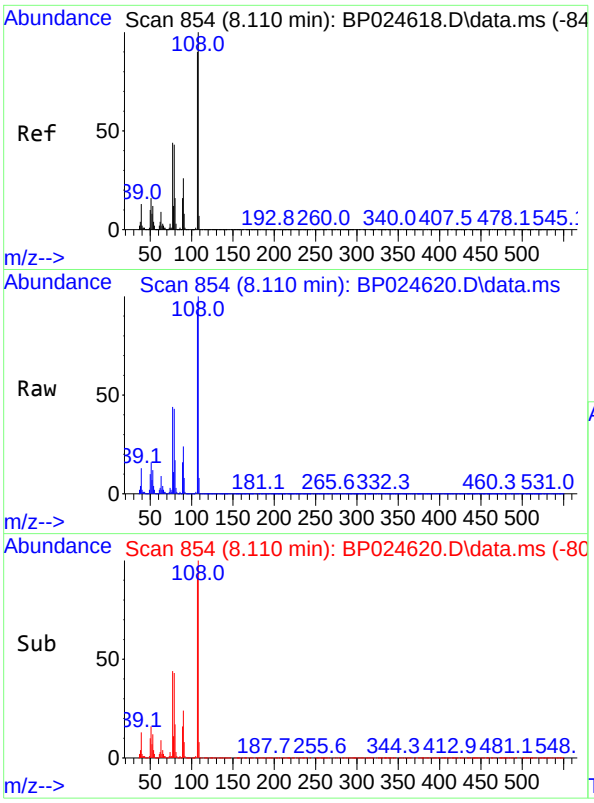




#16
2,2'-oxybis(1-Chloropropane)
Concen: 61.93 ng
RT: 8.181 min Scan# 866
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion: 45 Resp: 501972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 16.7 | 0.0 | 37.7 |
| 79 | 13.1 | 0.0 | 34.0 |



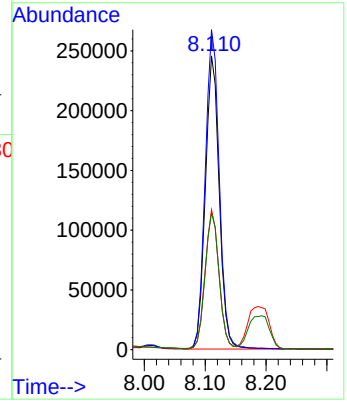


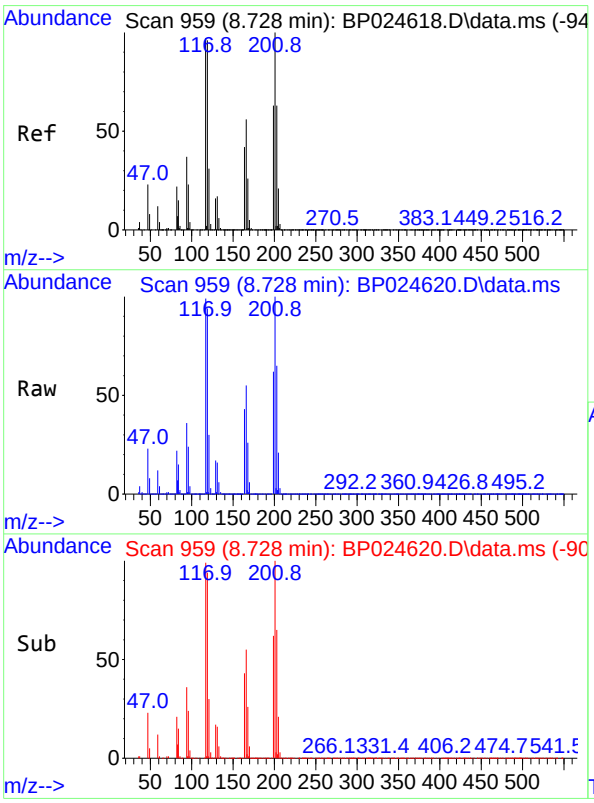

#17
2-Methylphenol
Concen: 65.89 ng
RT: 8.110 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:107 Resp: 389272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 109.0 | 88.9 | 133.3 |
| 77 | 47.6 | 39.0 | 58.6 |
| 79 | 46.6 | 38.4 | 57.6 |

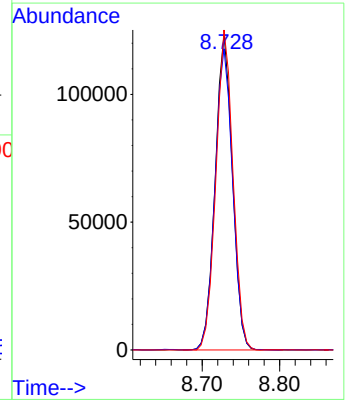


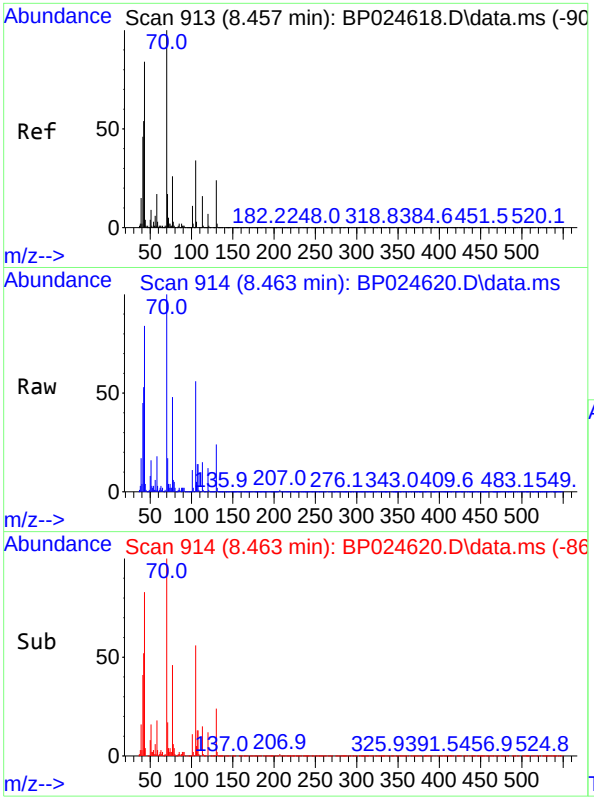




#18
Hexachloroethane
Concen: 60.85 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:117 Resp: 191530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.3 | 79.4 | 119.0 |
| 201 | 101.2 | 82.7 | 124.1 |



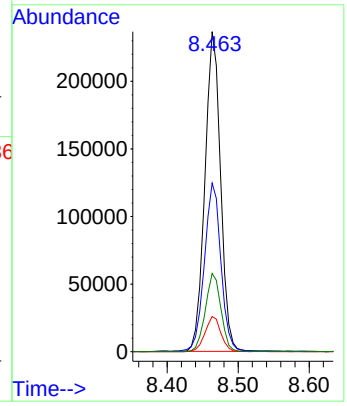


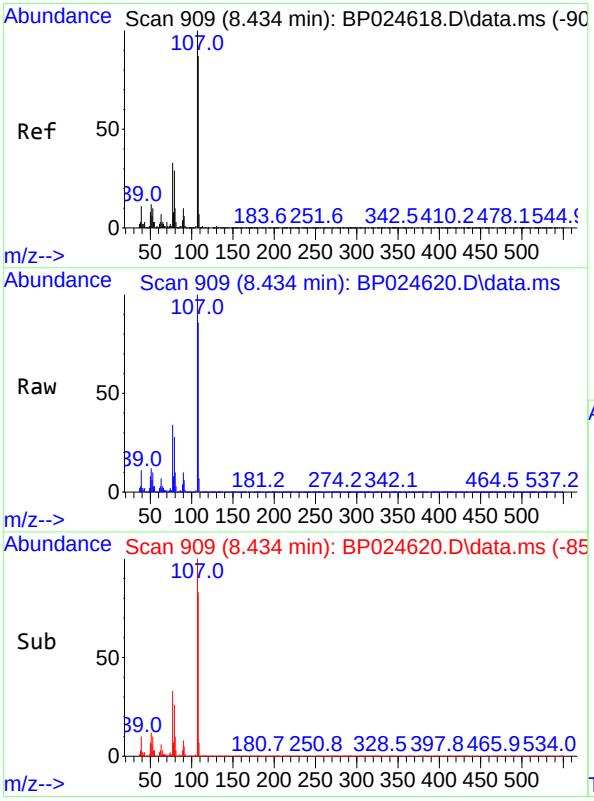

#19
n-Nitroso-di-n-propylamine
Concen: 65.76 ng
RT: 8.463 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 70 Resp: 363059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 52.7 | 43.0 | 64.6 |
| 101 | 11.0 | 8.7 | 13.1 |
| 130 | 24.4 | 19.4 | 29.0 |

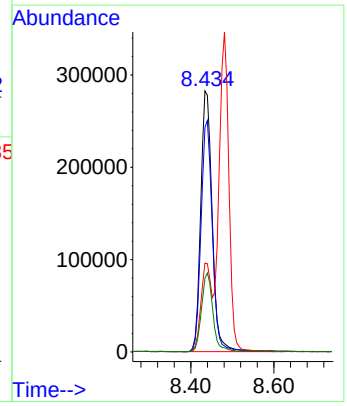


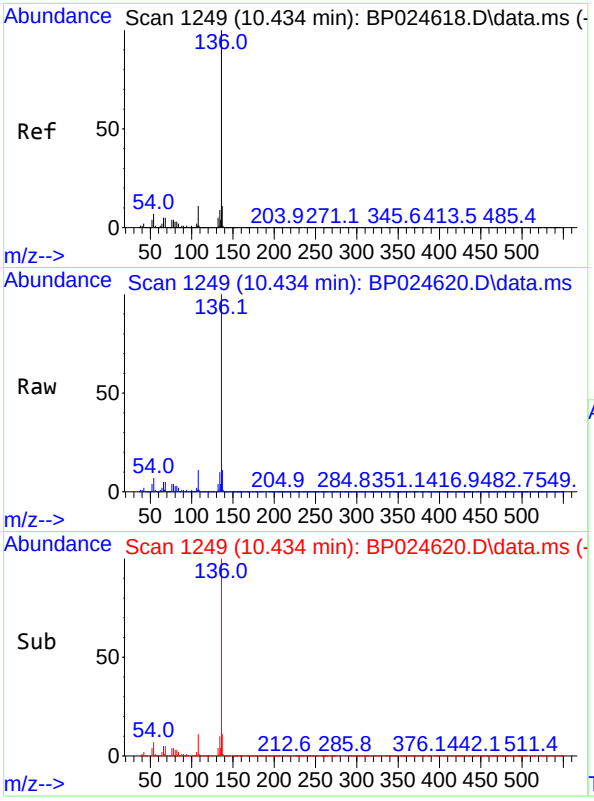




#20
3+4-Methylphenols
Concen: 67.57 ng
RT: 8.434 min Scan# 909
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:107 Resp: 543003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 86.0 | 66.7 | 106.7 |
| 77 | 34.0 | 13.1 | 53.1 |
| 79 | 28.2 | 8.9 | 48.9 |



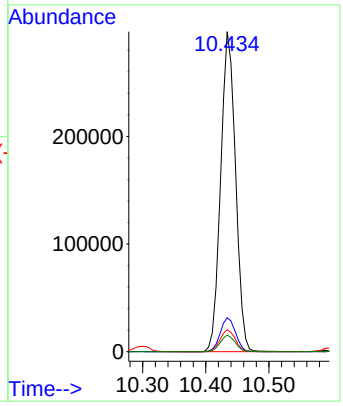


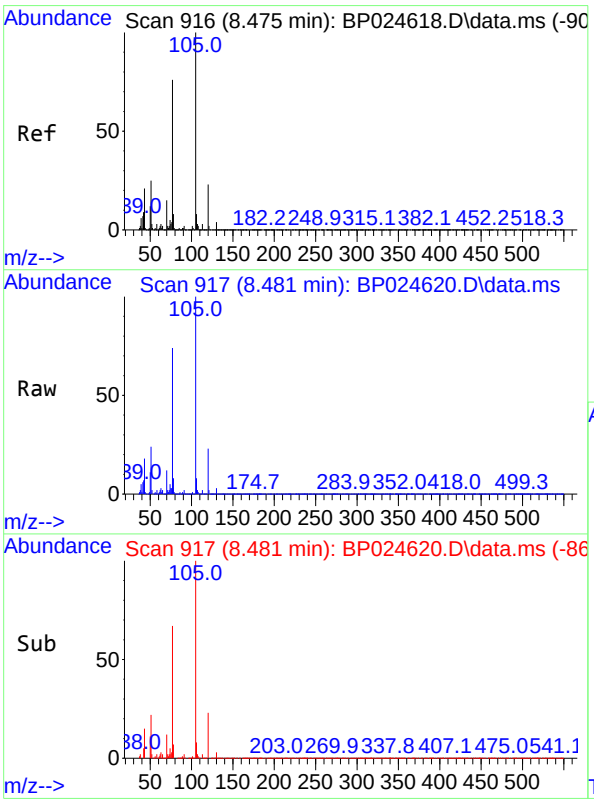

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:136 Resp: 484921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.8 | 13.2 |
| 54 | 6.8 | 5.5 | 8.3 |
| 68 | 5.2 | 4.2 | 6.2 |

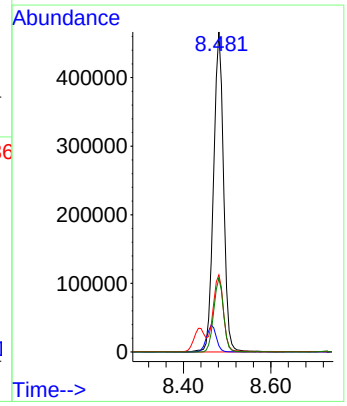


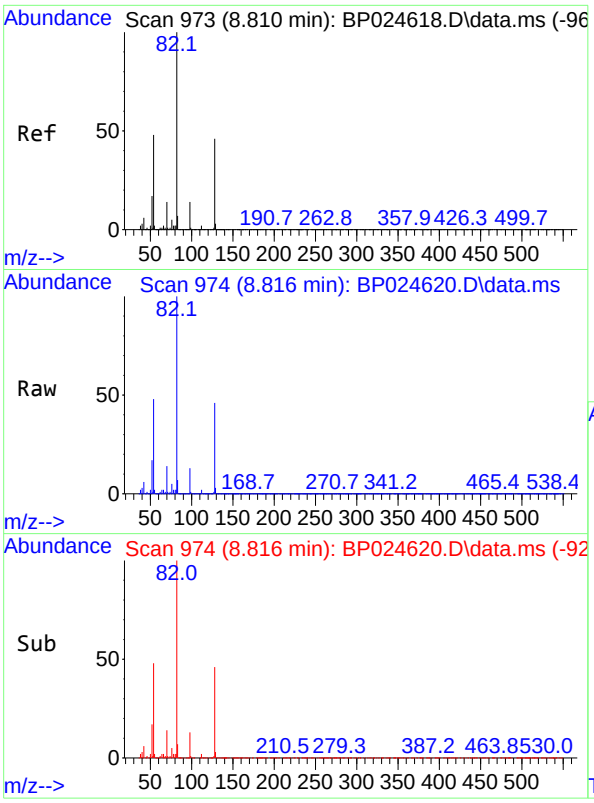




#22
Acetophenone
Concen: 61.45 ng
RT: 8.481 min Scan# 917
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:105 Resp: 744359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 1.9 | 2.0 | 3.0# |
| 51 | 24.1 | 20.4 | 30.6 |
| 120 | 23.0 | 18.1 | 27.1 |



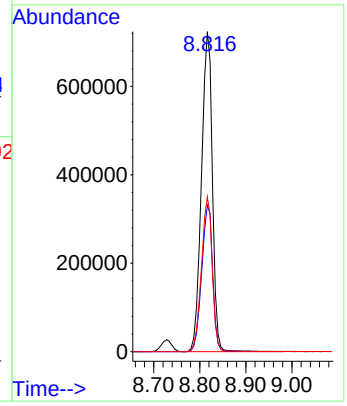


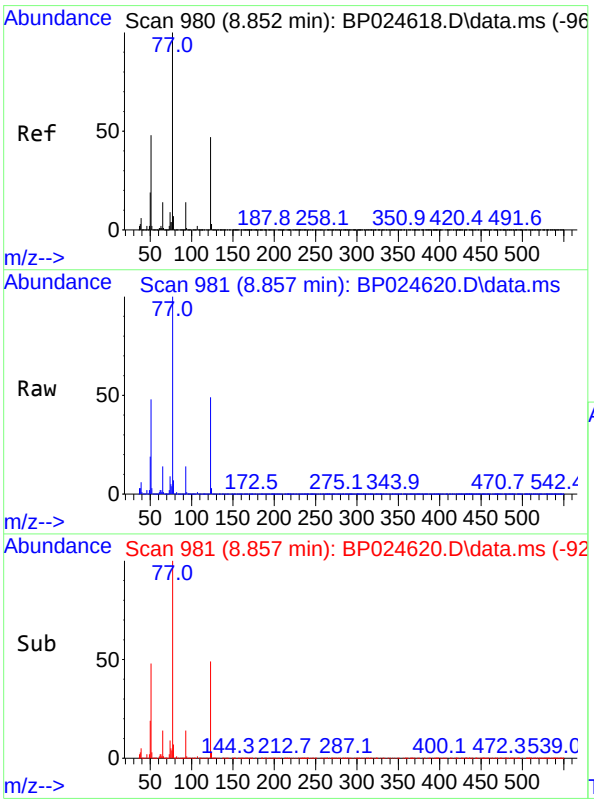

#23
Nitrobenzene-d5
Concen: 123.80 ng
RT: 8.816 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 82 Resp: 1188192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.8 | 37.0 | 55.4 |
| 54 | 48.4 | 38.7 | 58.1 |

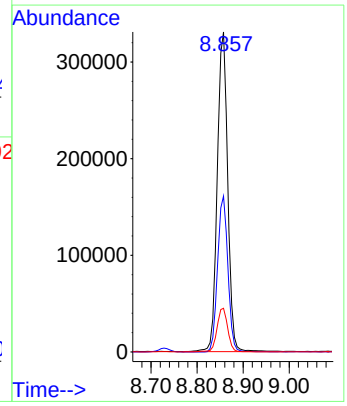


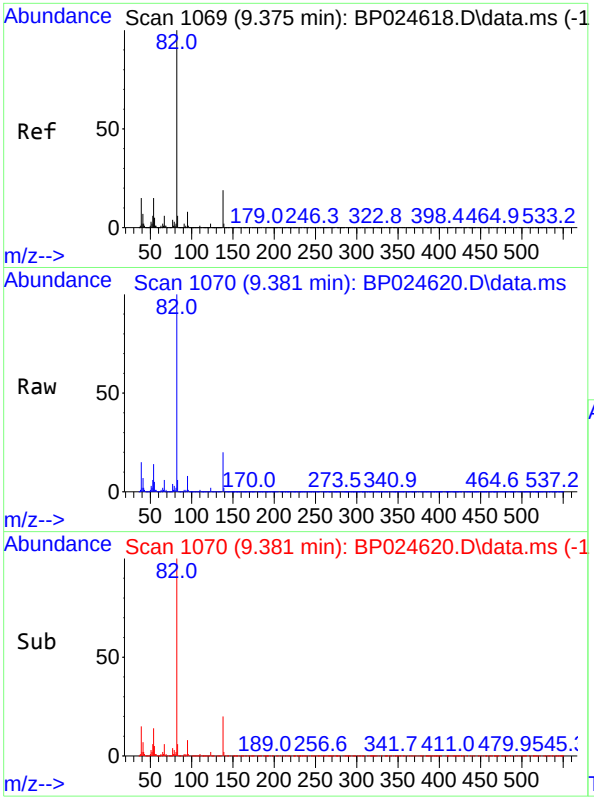




#24
Nitrobenzene
Concen: 61.34 ng
RT: 8.857 min Scan# 981
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion: 77 Resp: 518098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 48.7 | 37.4 | 56.0 |
| 65 | 13.7 | 11.3 | 16.9 |



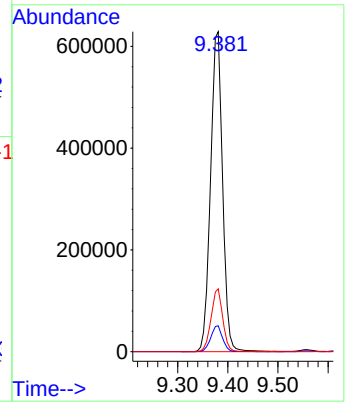


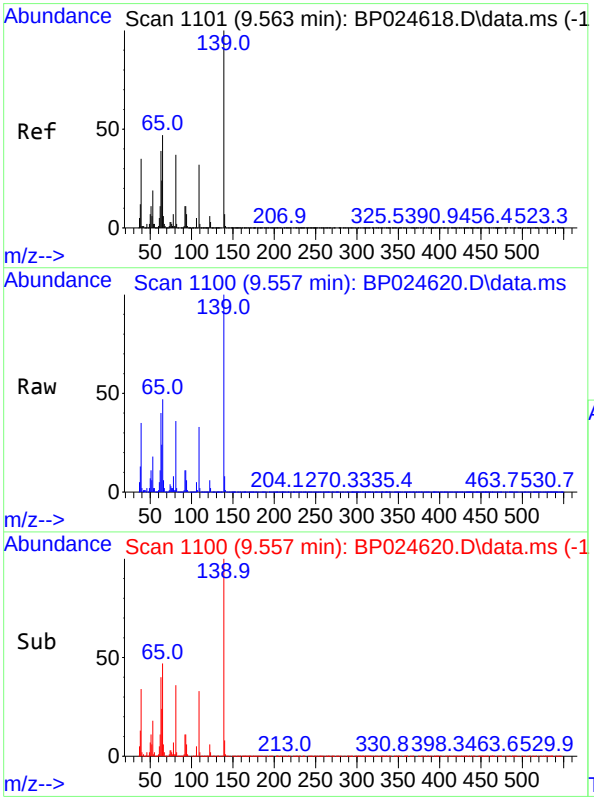

#25
Isophorone
Concen: 62.98 ng
RT: 9.381 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 82 Resp: 1048461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.1 | 6.3 | 9.5 |
| 138 | 19.7 | 15.3 | 22.9 |

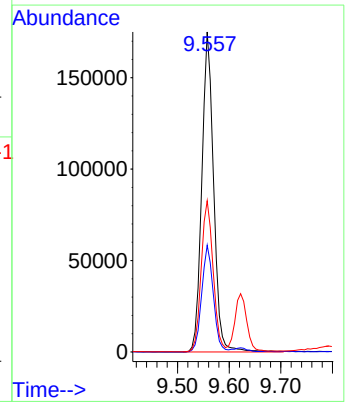


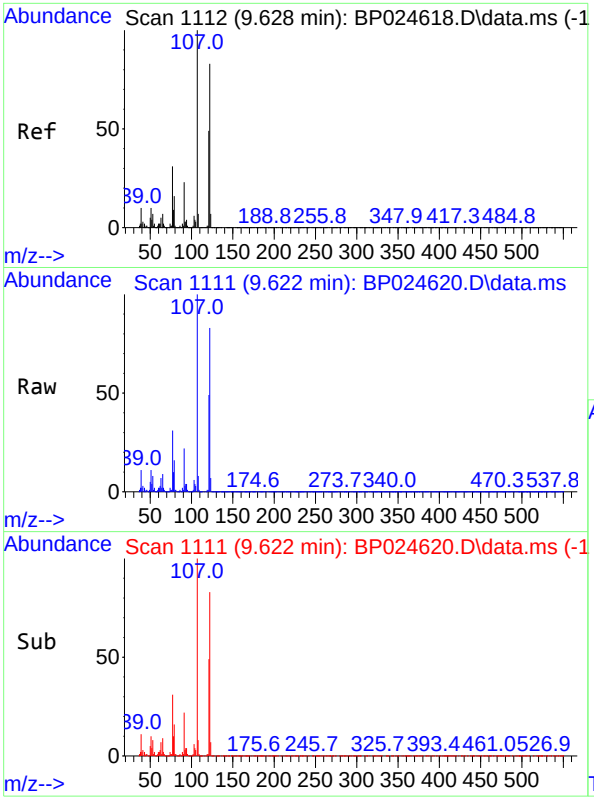




#26
2-Nitrophenol
Concen: 67.36 ng
RT: 9.557 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:139 Resp: 278764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 33.4 | 25.9 | 38.9 |
| 65 | 47.3 | 37.9 | 56.9 |



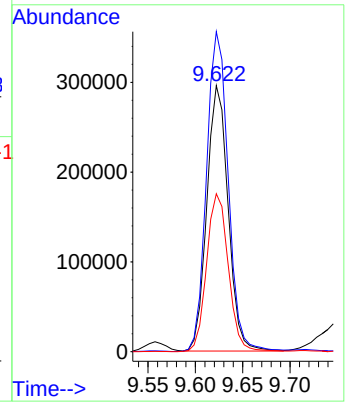


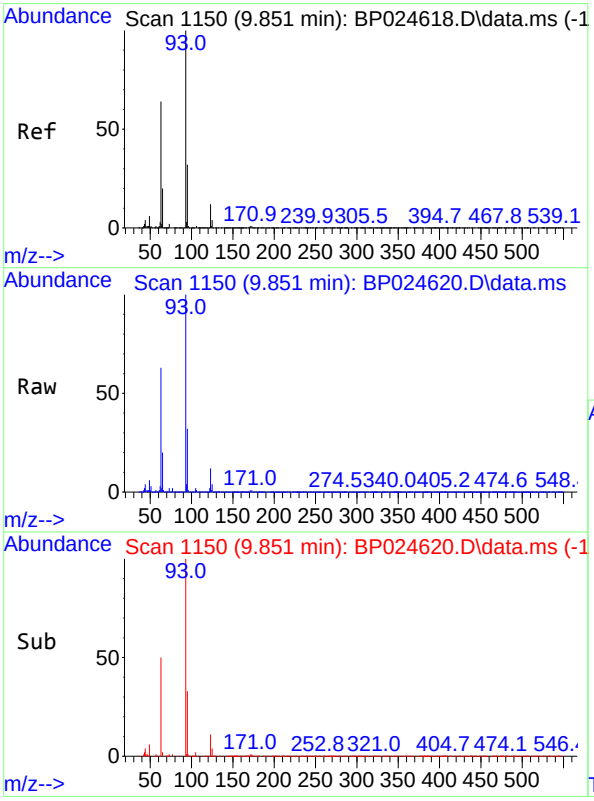

#27
2,4-Dimethylphenol
Concen: 63.34 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:122 Resp: 462148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 120.2 | 96.2 | 144.2 |
| 121 | 59.3 | 47.6 | 71.4 |

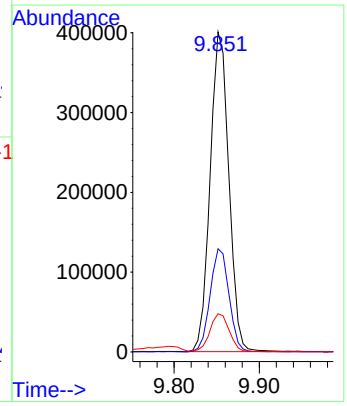


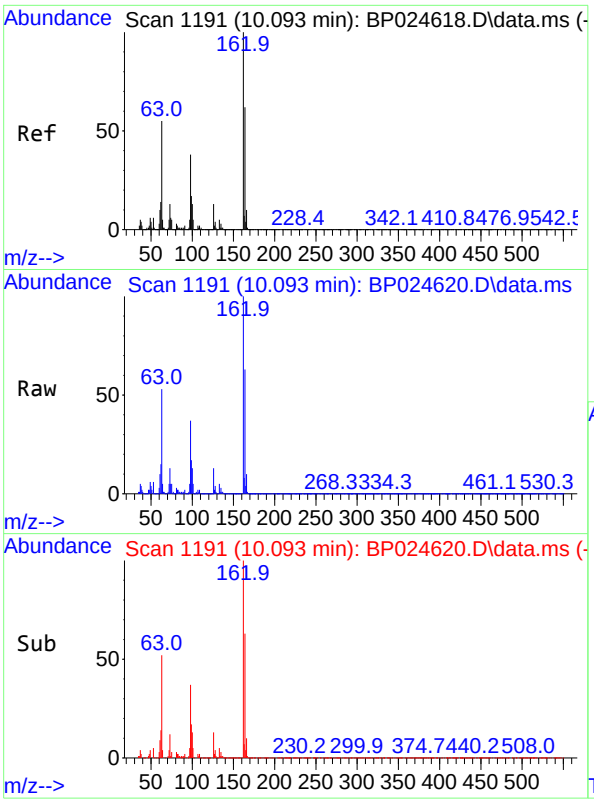




#28
bis(2-Chloroethoxy)methane
Concen: 61.35 ng
RT: 9.851 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion: 93 Resp: 610221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.2 | 25.5 | 38.3 |
| 123 | 11.9 | 9.7 | 14.5 |



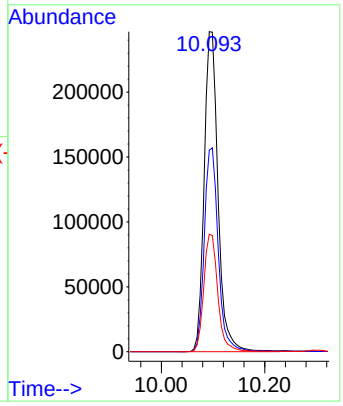


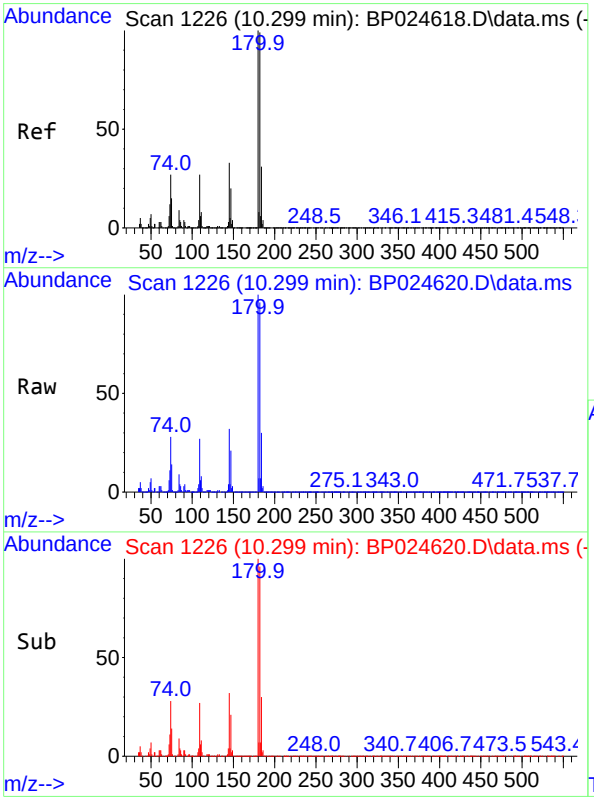

#29
2,4-Dichlorophenol
Concen: 65.03 ng
RT: 10.093 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:162 Resp: 459806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 62.9 | 42.3 | 82.3 |
| 98 | 36.7 | 18.4 | 58.4 |

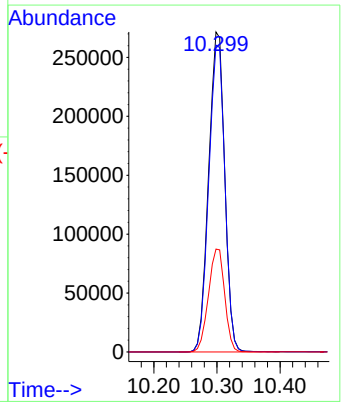


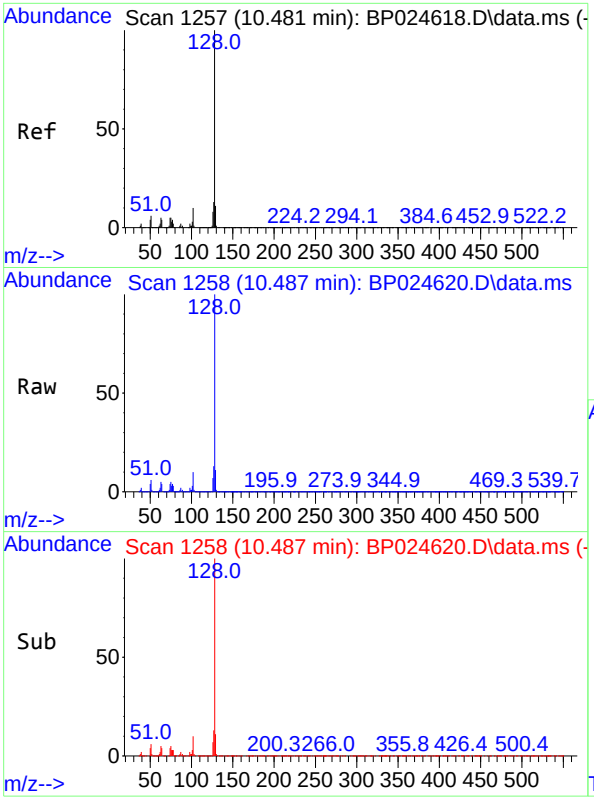




#30
1,2,4-Trichlorobenzene
Concen: 60.05 ng
RT: 10.299 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:180 Resp: 478505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.9 | 79.0 | 118.4 |
| 145 | 32.2 | 26.6 | 39.8 |



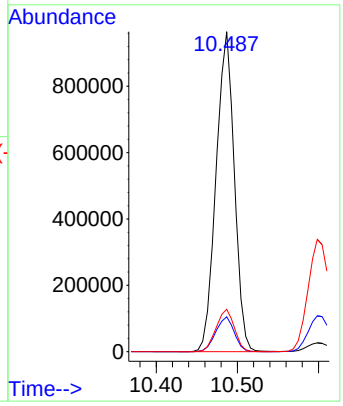


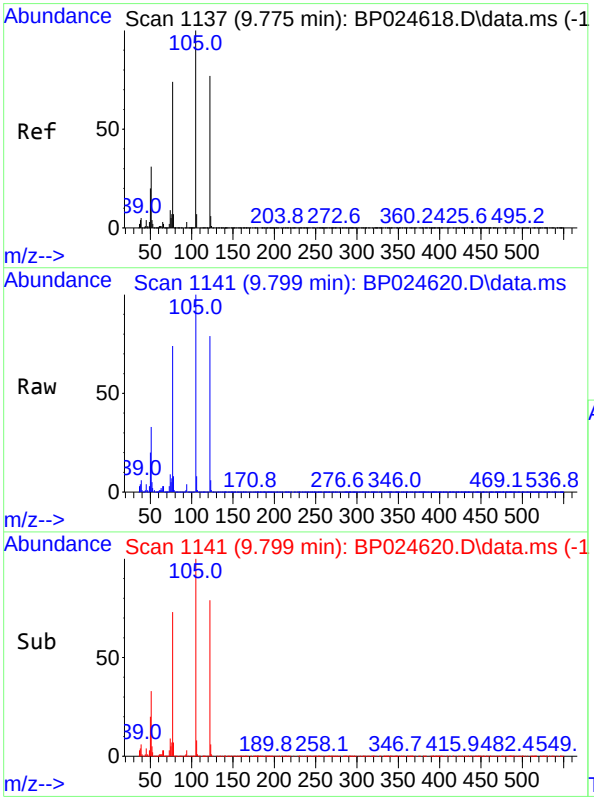

#31
Naphthalene
Concen: 60.03 ng
RT: 10.487 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:128 Resp: 1508460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.8 | 13.2 |
| 127 | 13.3 | 10.7 | 16.1 |

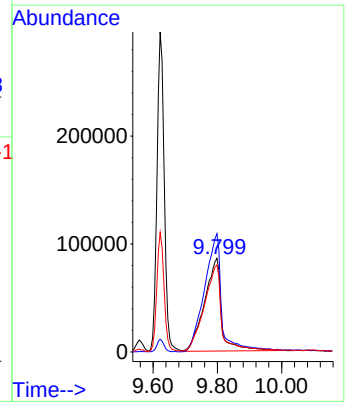


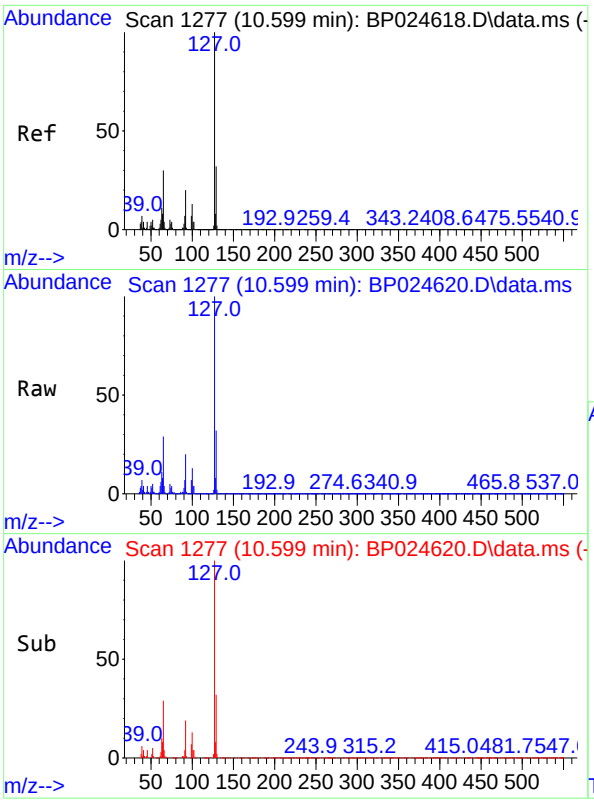




#32
Benzoic acid
Concen: 60.53 ng
RT: 9.799 min Scan# 1141
Delta R.T. 0.024 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:122 Resp: 319375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 126.3 | 106.9 | 146.9 |
| 77 | 93.0 | 75.1 | 115.1 |



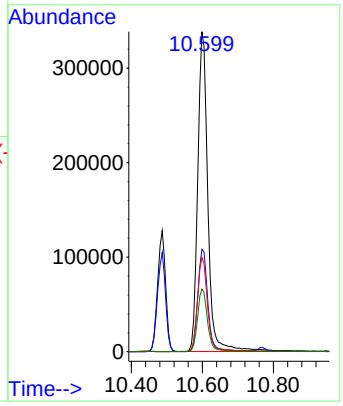


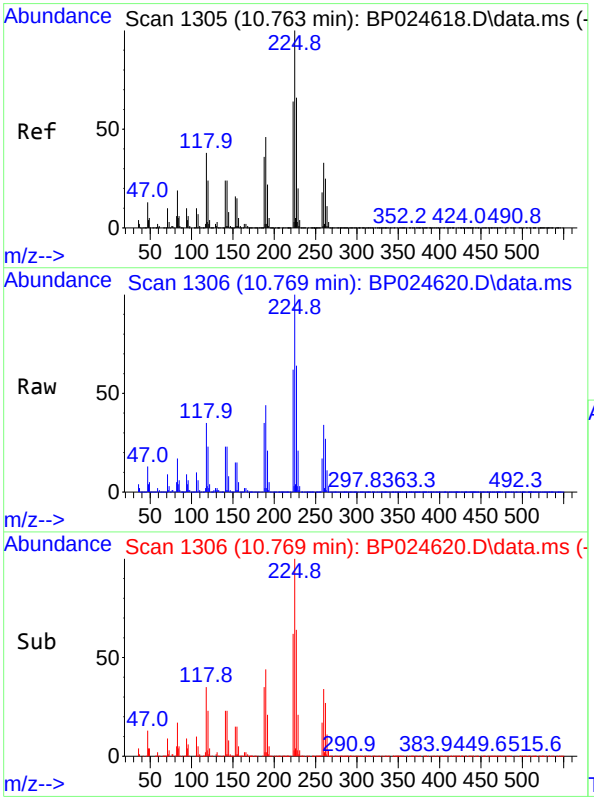

#33
4-Chloroaniline
Concen: 66.26 ng
RT: 10.599 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:127 Resp: 671888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.0 | 25.8 | 38.6 |
| 65 | 29.4 | 23.9 | 35.9 |
| 92 | 19.6 | 16.1 | 24.1 |

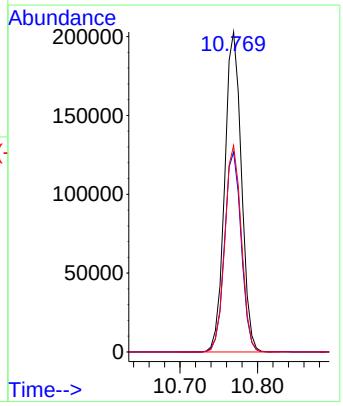


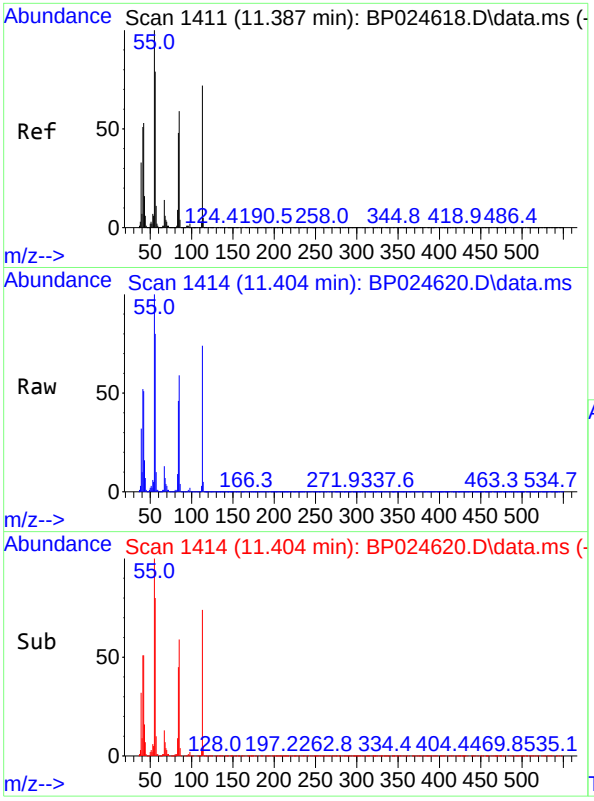




#34
Hexachlorobutadiene
Concen: 58.79 ng
RT: 10.769 min Scan# 1306
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:225 Resp: 303458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.5 | 51.0 | 76.6 |
| 227 | 64.5 | 53.1 | 79.7 |



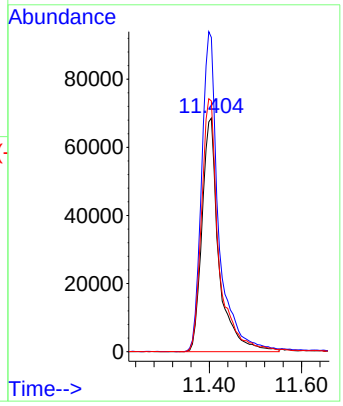


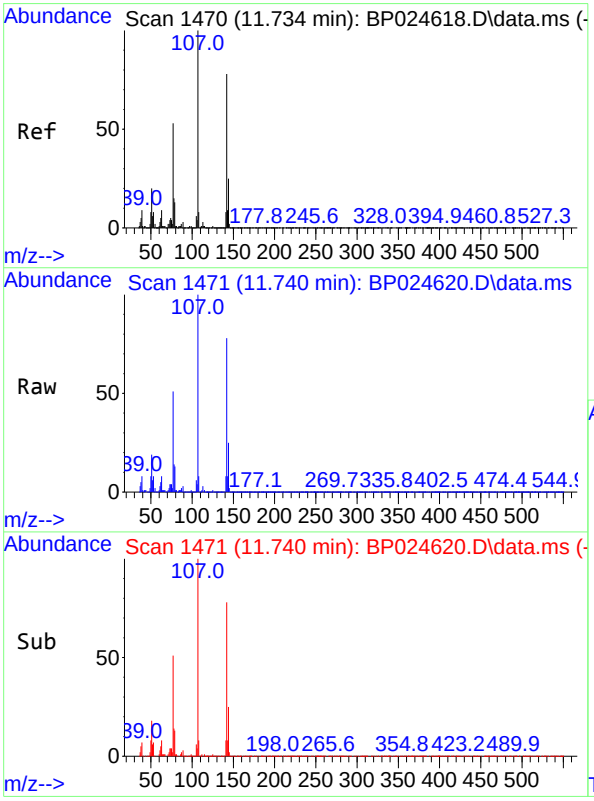

#35
Caprolactam
Concen: 68.70 ng
RT: 11.404 min Scan# 14
Delta R.T. 0.018 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:113 Resp: 175653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 134.5 | 119.0 | 159.0 |
| 56 | 107.3 | 90.3 | 130.3 |

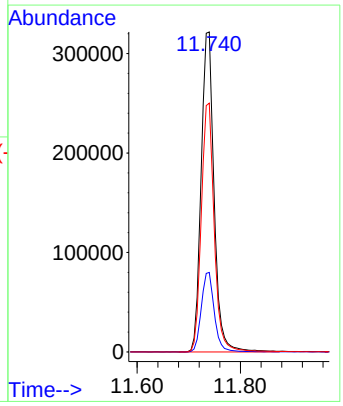


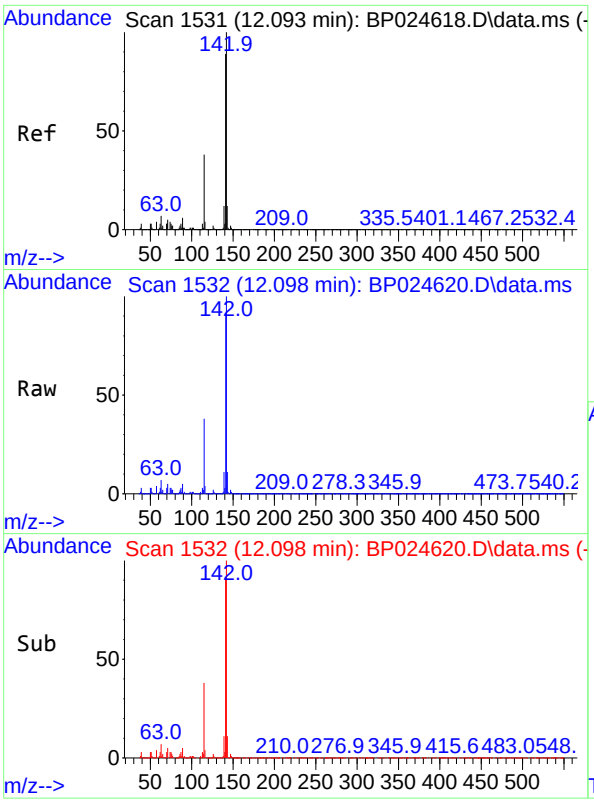




#36
4-Chloro-3-methylphenol
Concen: 64.84 ng
RT: 11.740 min Scan# 1471
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:107 Resp: 559138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.9 | 20.1 | 30.1 |
| 142 | 77.8 | 62.1 | 93.1 |



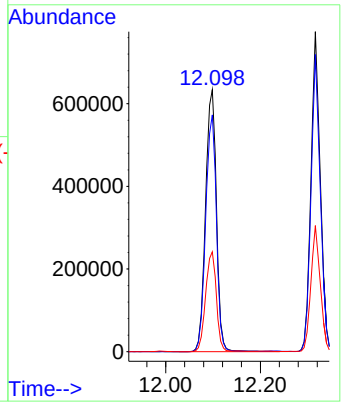


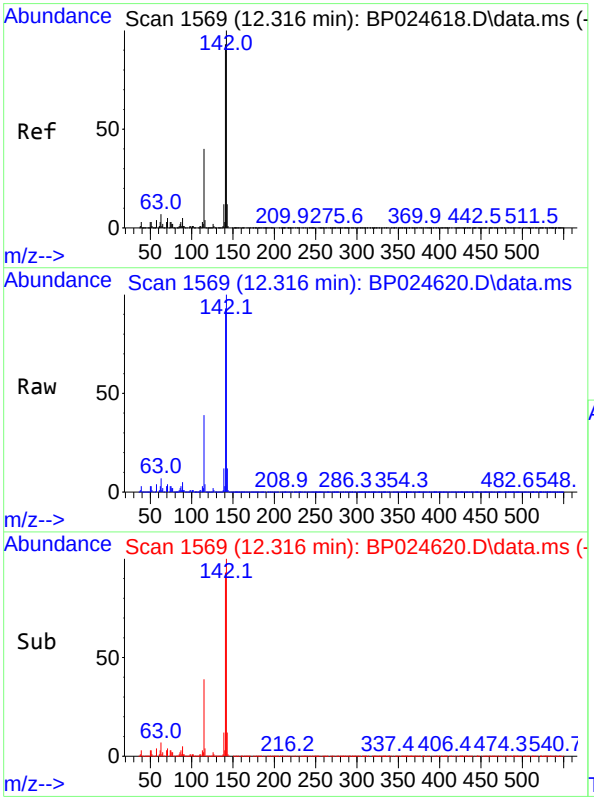

#37
2-Methylnaphthalene
Concen: 61.96 ng
RT: 12.098 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:142 Resp: 1008171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.4 | 71.2 | 106.8 |
| 115 | 38.1 | 30.6 | 46.0 |

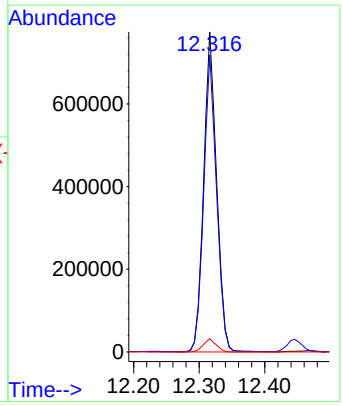


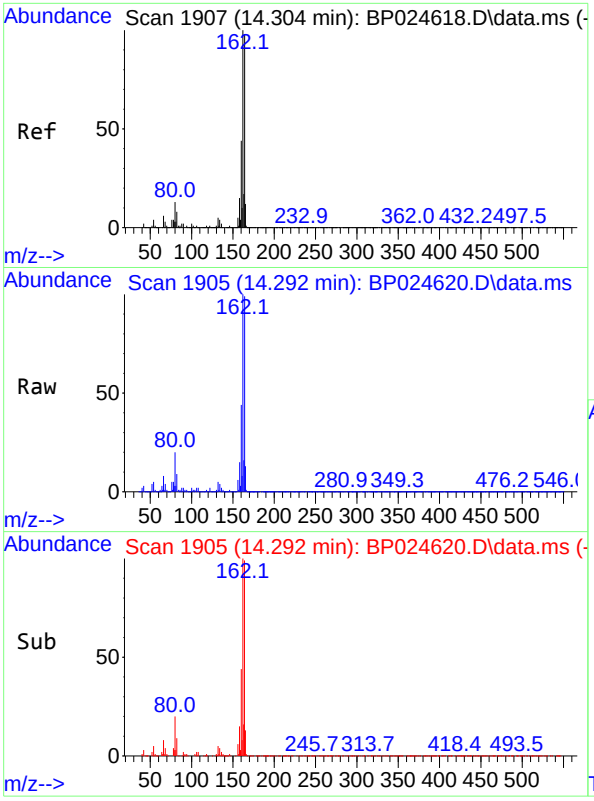




#38
1-Methylnaphthalene
Concen: 61.25 ng
RT: 12.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:142 Resp: 1066290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.9 | 74.7 | 112.1 |
| 116 | 4.2 | 3.4 | 5.2 |



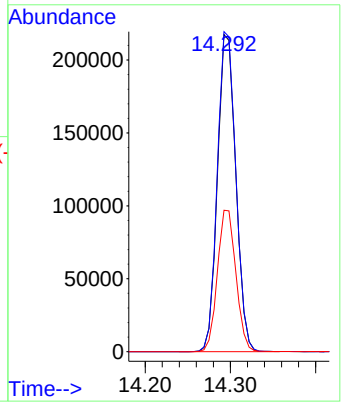


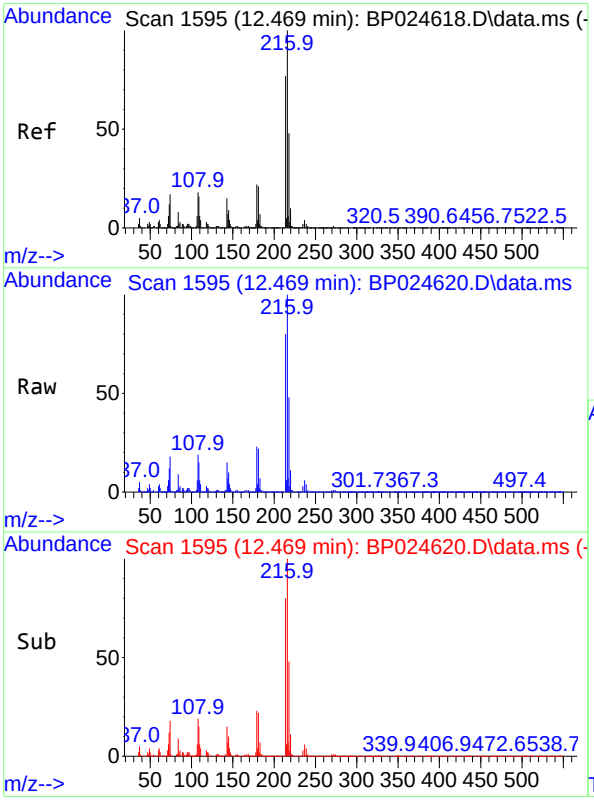

#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.292 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:164 Resp: 325327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.9 | 81.8 | 122.6 |
| 160 | 44.6 | 36.3 | 54.5 |

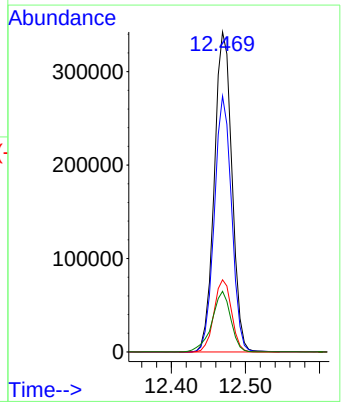


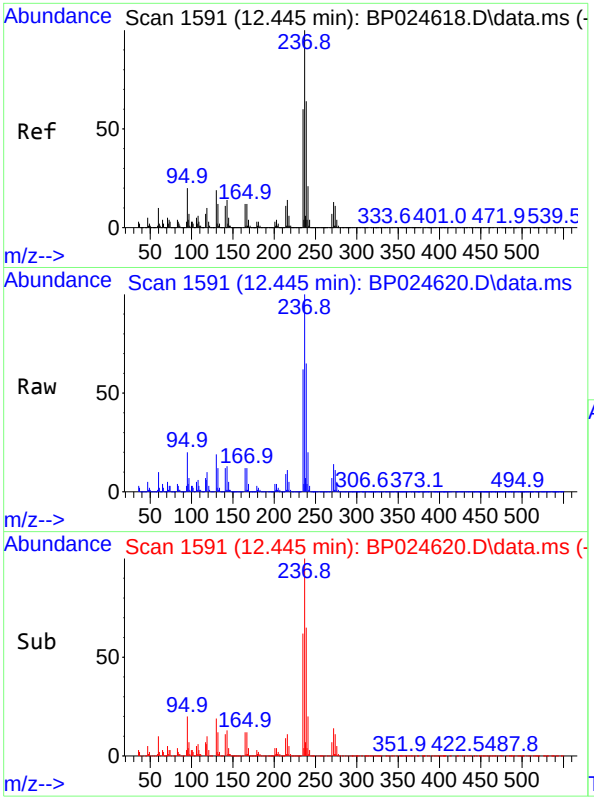




#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.97 ng
RT: 12.469 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:216 Resp: 566530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.2 | 62.3 | 93.5 |
| 179 | 22.4 | 17.7 | 26.5 |
| 108 | 20.3 | 16.0 | 24.0 |



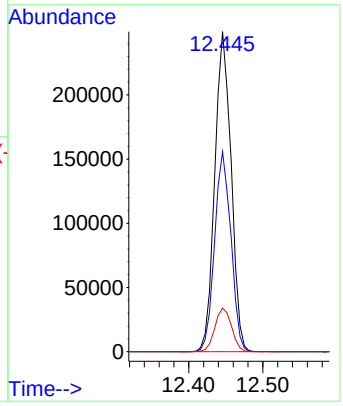


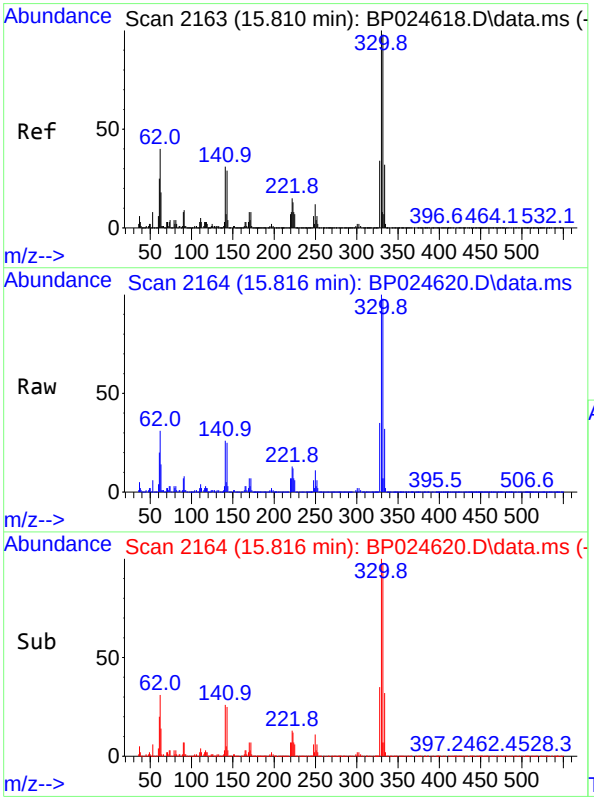

#41
Hexachlorocyclopentadiene
Concen: 66.62 ng
RT: 12.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:237 Resp: 381621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.4 | 39.9 | 79.9 |
| 272 | 13.6 | 0.0 | 33.2 |

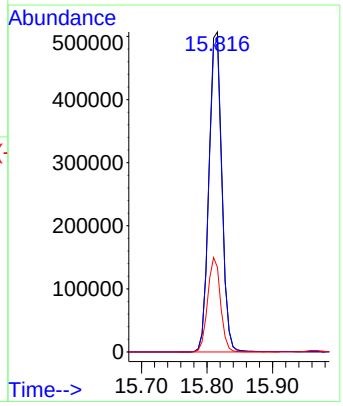


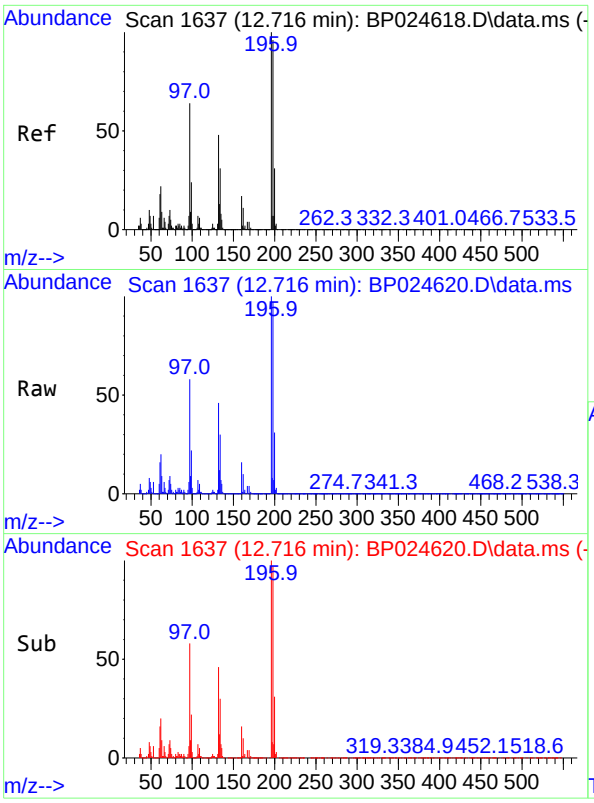




#42
2,4,6-Tribromophenol
Concen: 126.27 ng
RT: 15.816 min Scan# 2164
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:330 Resp: 696428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.5 | 78.2 | 117.4 |
| 141 | 29.3 | 24.3 | 36.5 |



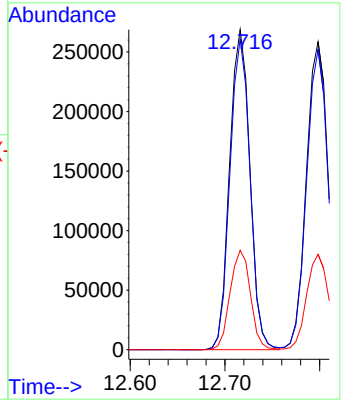


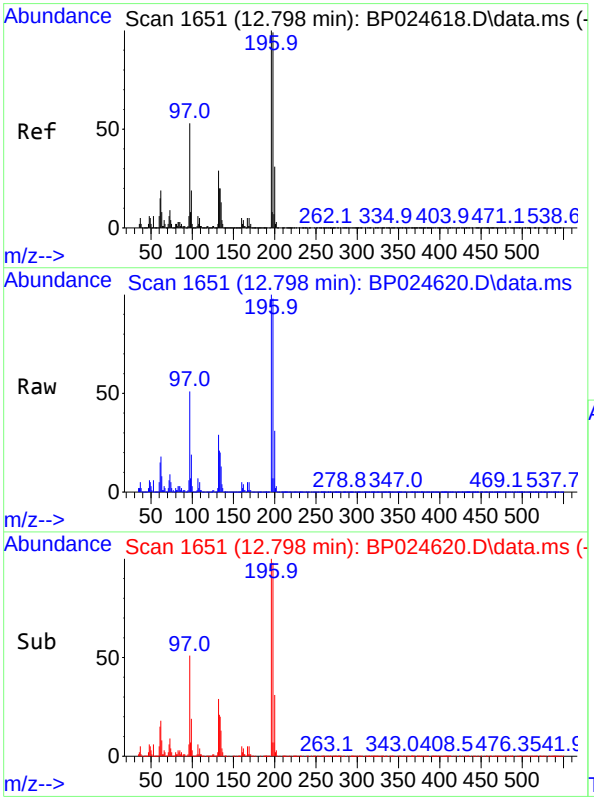

#43
2,4,6-Trichlorophenol
Concen: 65.46 ng
RT: 12.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:196 Resp: 400552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 97.0 | 76.9 | 115.3 |
| 200 | 31.0 | 25.2 | 37.8 |

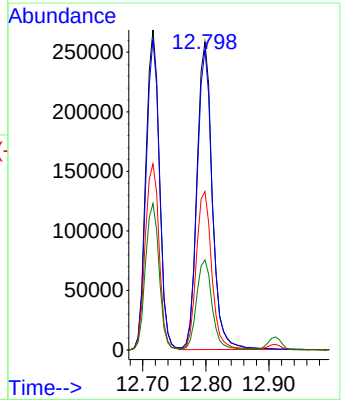


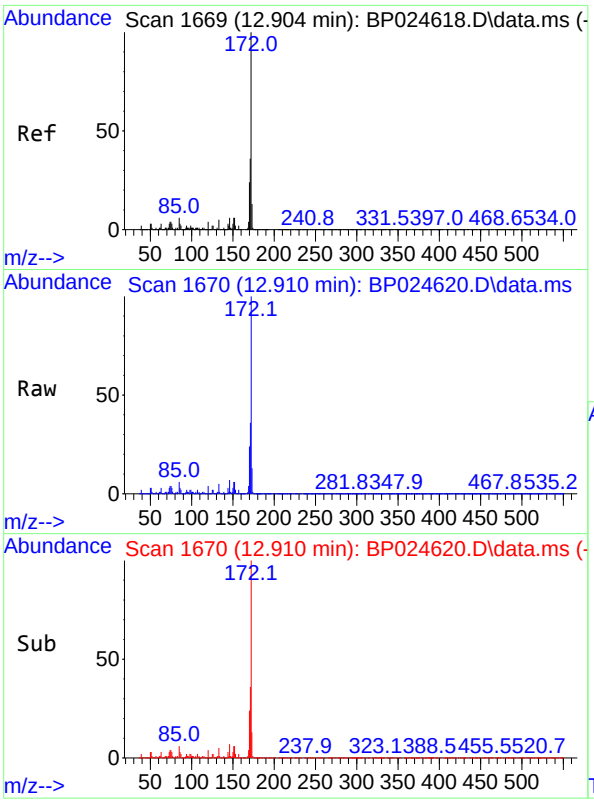




#44
2,4,5-Trichlorophenol
Concen: 64.06 ng
RT: 12.798 min Scan# 1651
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:196 Resp: 436361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 97.5 | 79.2 | 118.8 |
| 97 | 51.4 | 42.3 | 63.5 |
| 132 | 29.2 | 23.3 | 34.9 |



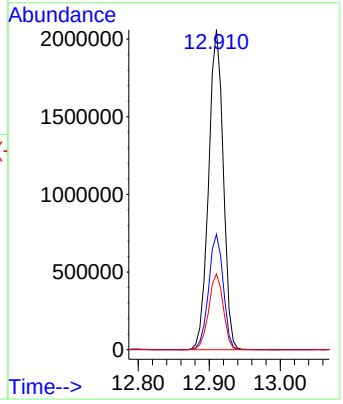


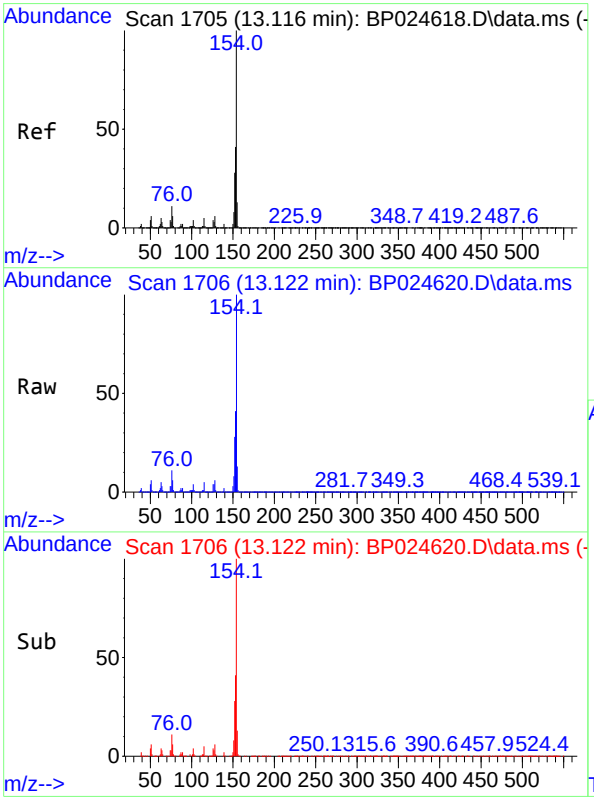

#45
2-Fluorobiphenyl
Concen: 119.08 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:172 Resp: 2956939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.1 | 28.8 | 43.2 |
| 170 | 23.7 | 18.8 | 28.2 |

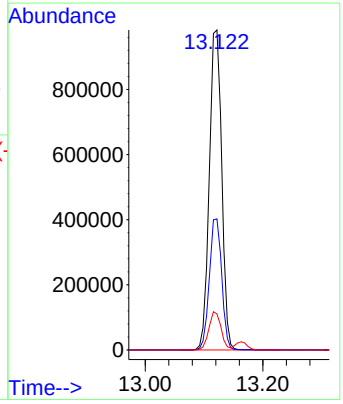


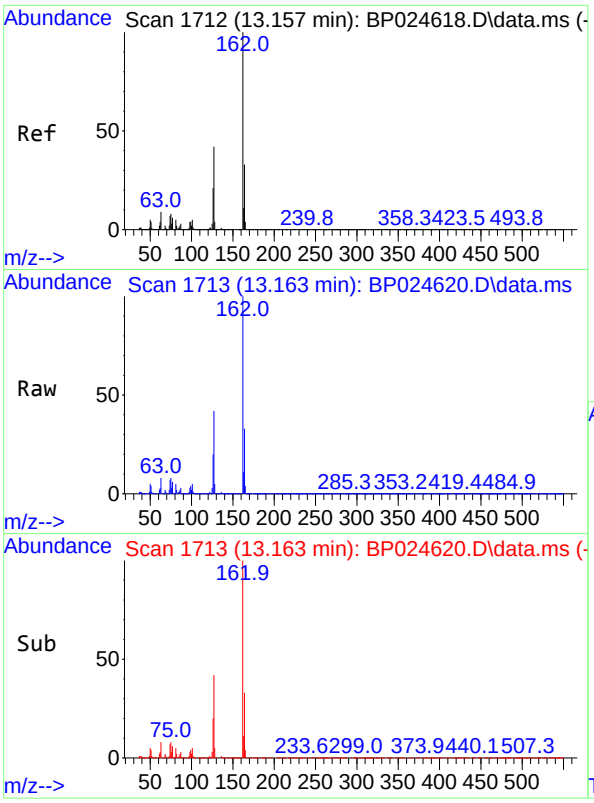




#46
1,1'-Biphenyl
Concen: 59.80 ng
RT: 13.122 min Scan# 1706
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:154 Resp: 1437786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.0 | 21.0 | 61.0 |
| 76 | 11.3 | 0.0 | 31.5 |



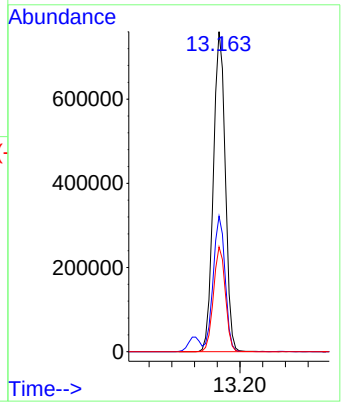


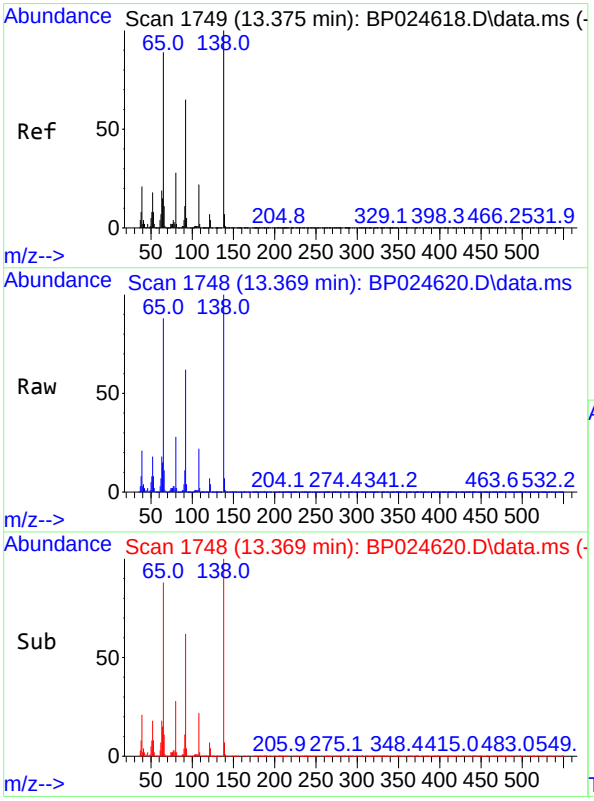

#47
2-Chloronaphthalene
Concen: 60.29 ng
RT: 13.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:162 Resp: 1105298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.3 | 33.8 | 50.6 |
| 164 | 32.8 | 26.0 | 39.0 |

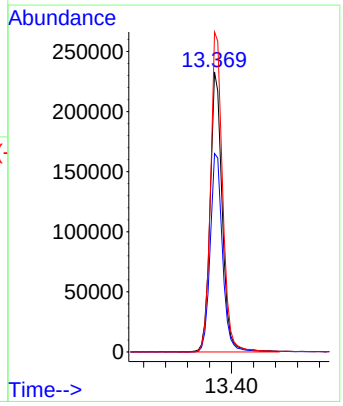


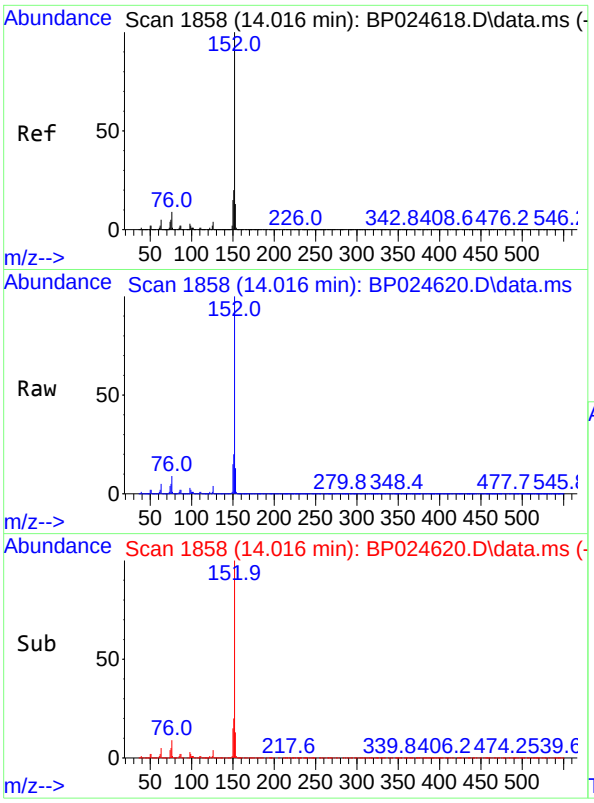




#48
2-Nitroaniline
Concen: 65.40 ng
RT: 13.369 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion: 65 Resp: 354977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 70.9 | 58.7 | 88.1 |
| 138 | 114.3 | 90.2 | 135.2 |



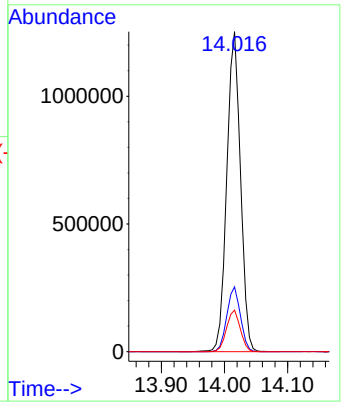


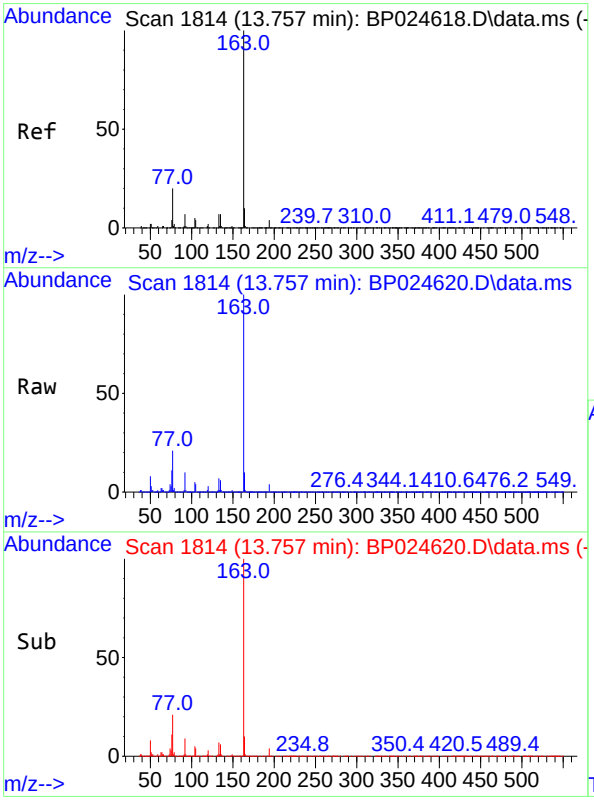

#49
Acenaphthylene
Concen: 61.41 ng
RT: 14.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:152 Resp: 1884018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.2 | 16.2 | 24.4 |
| 153 | 13.0 | 10.2 | 15.4 |

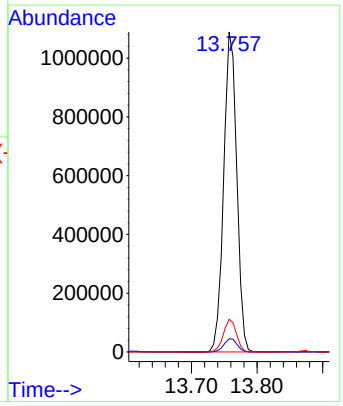


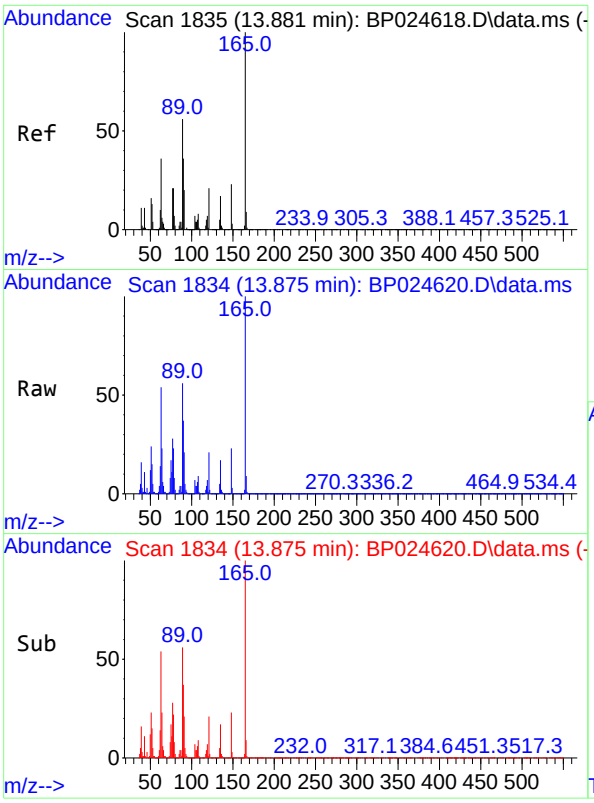




#50
Dimethylphthalate
Concen: 60.42 ng
RT: 13.757 min Scan# 1814
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:163 Resp: 1498318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.4 | 5.0 |
| 164 | 10.2 | 8.1 | 12.1 |



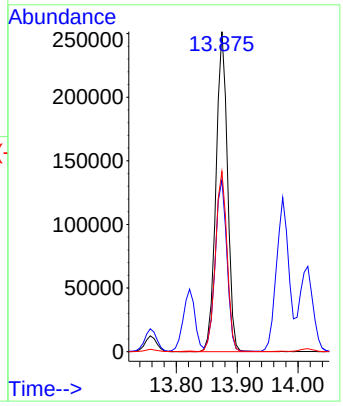


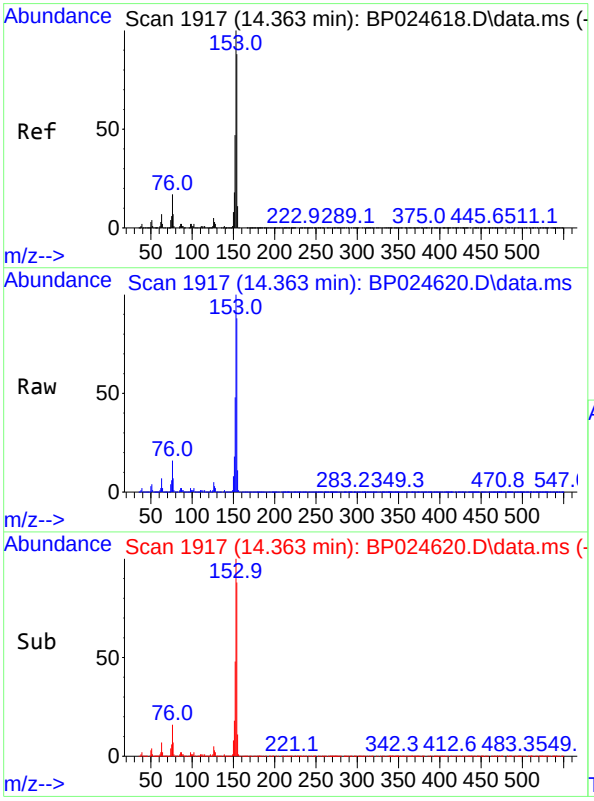

#51
2,6-Dinitrotoluene
Concen: 62.76 ng
RT: 13.875 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:165 Resp: 328682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 53.7 | 42.4 | 63.6 |
| 89 | 56.3 | 44.8 | 67.2 |

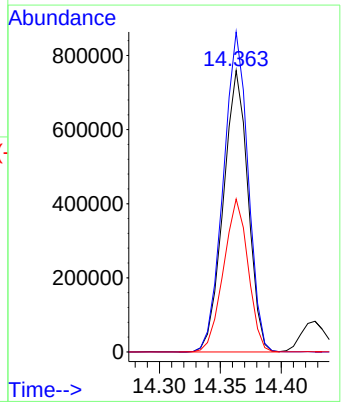


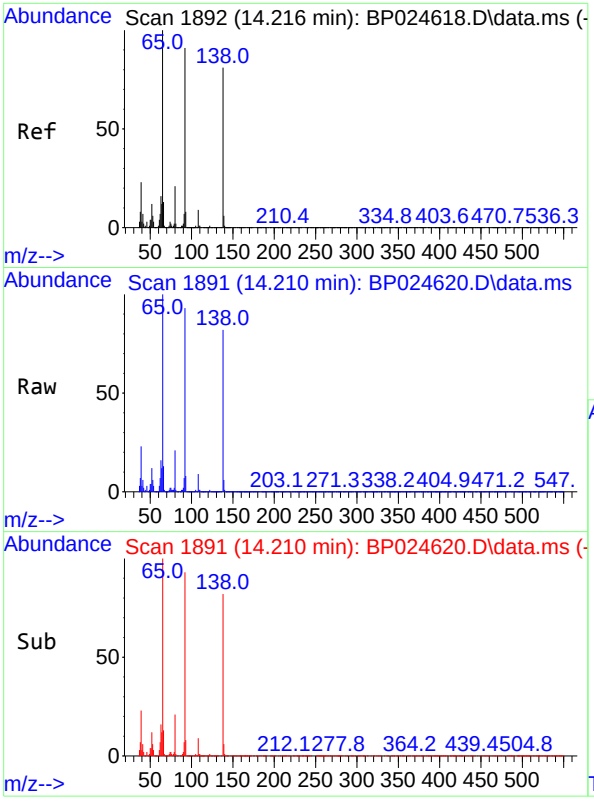




#52
Acenaphthene
Concen: 60.80 ng
RT: 14.363 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:154 Resp: 1072483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.7 | 91.0 | 136.4 |
| 152 | 54.4 | 42.9 | 64.3 |



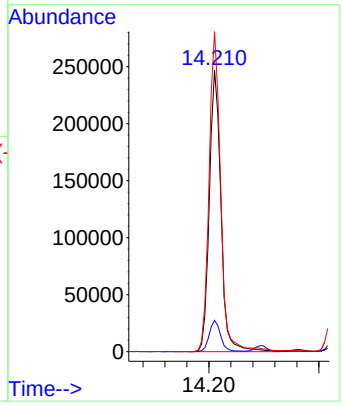


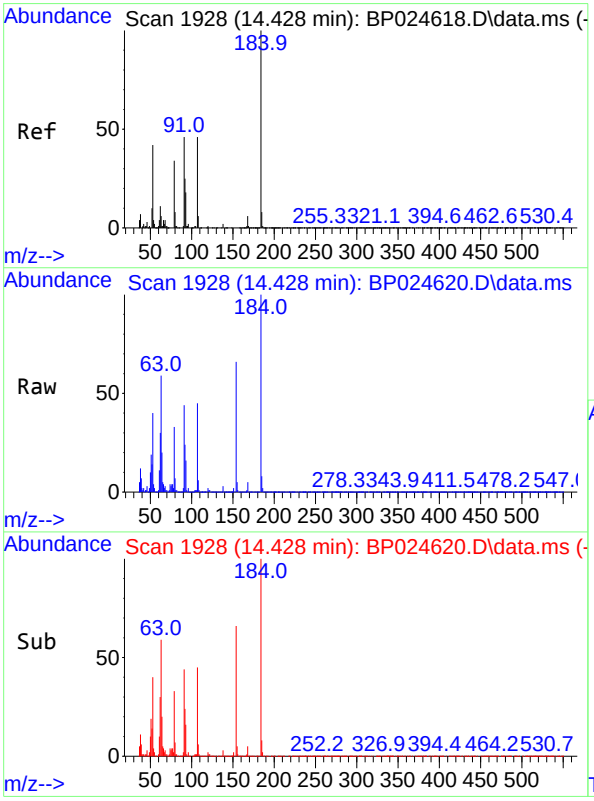

#53
3-Nitroaniline
Concen: 67.54 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:138 Resp: 361174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.1 | 9.0 | 13.4 |
| 92 | 113.7 | 90.1 | 135.1 |

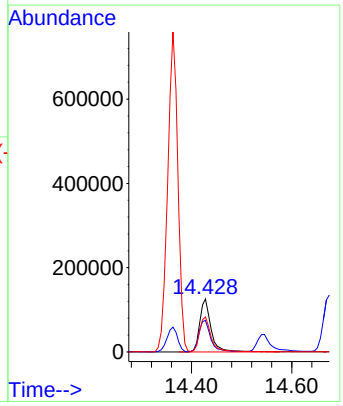


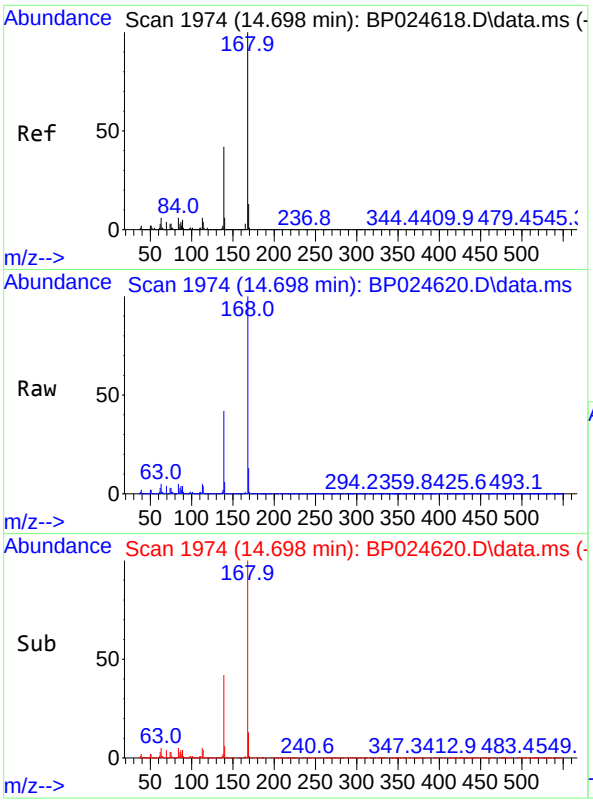




#54
2,4-Dinitrophenol
Concen: 61.10 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:184 Resp: 196350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 59.3 | 51.3 | 76.9 |
| 154 | 65.7 | 53.5 | 80.3 |



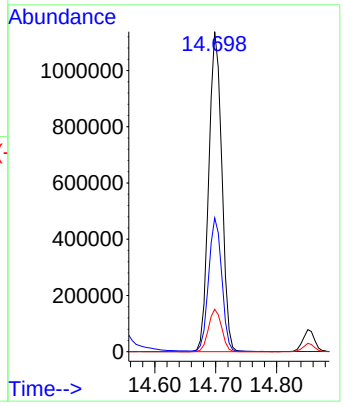


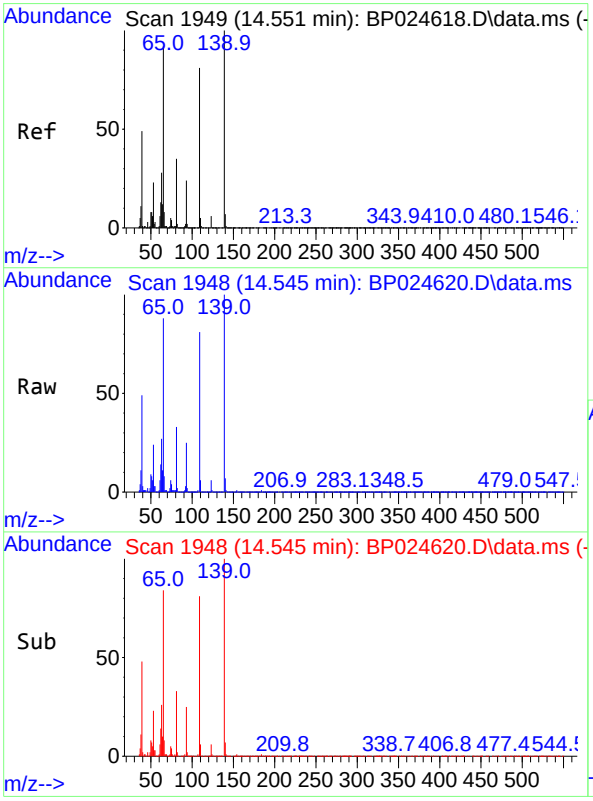

#55
Dibenzofuran
Concen: 60.13 ng
RT: 14.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:168 Resp: 1691790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.8 | 34.2 | 51.4 |
| 169 | 13.3 | 10.8 | 16.2 |

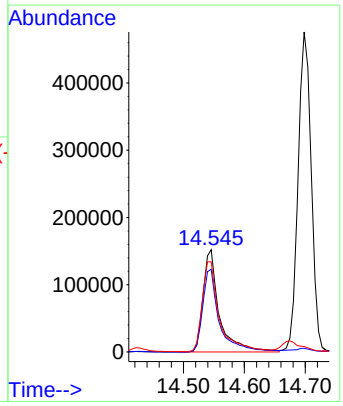


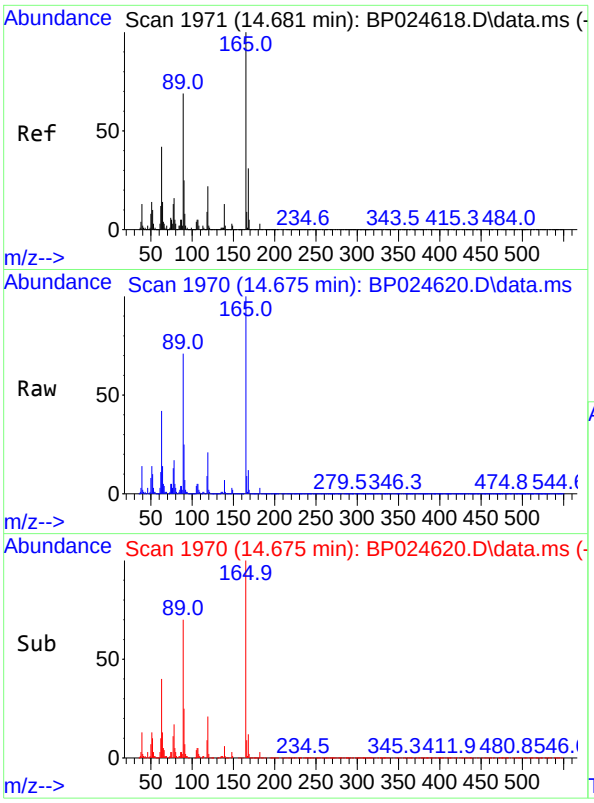




#56
4-Nitrophenol
Concen: 61.78 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:139 Resp: 281293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 80.9 | 61.4 | 101.4 |
| 65 | 88.2 | 72.2 | 112.2 |



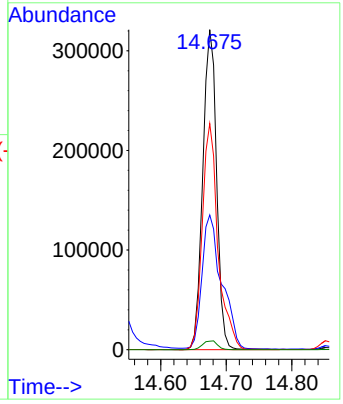


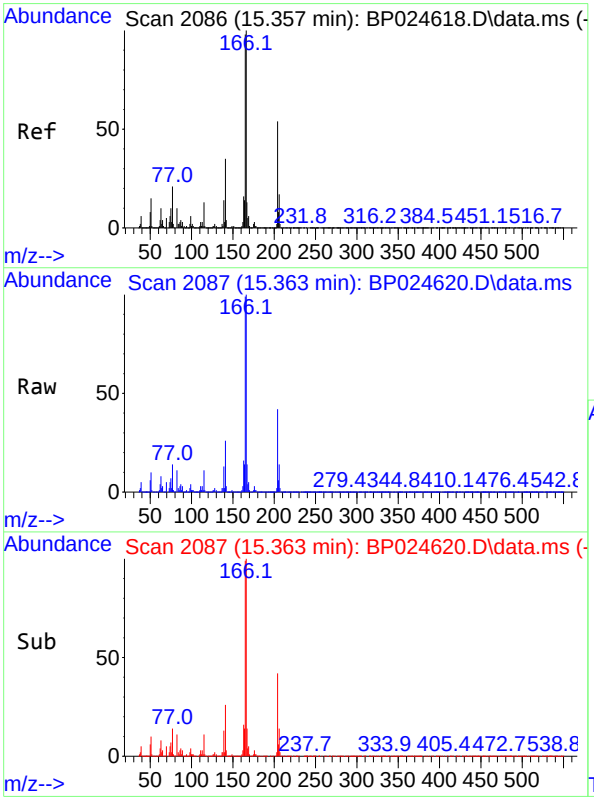

#57
2,4-Dinitrotoluene
Concen: 63.87 ng
RT: 14.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:165 Resp: 471525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 42.1 | 33.8 | 50.6 |
| 89 | 70.6 | 55.6 | 83.4 |
| 182 | 2.7 | 2.4 | 3.6 |

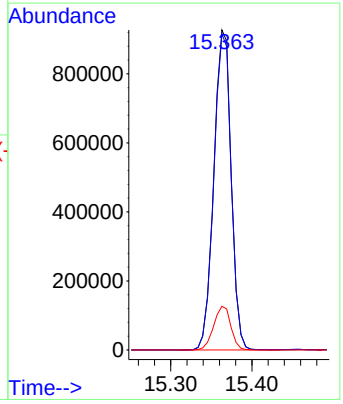


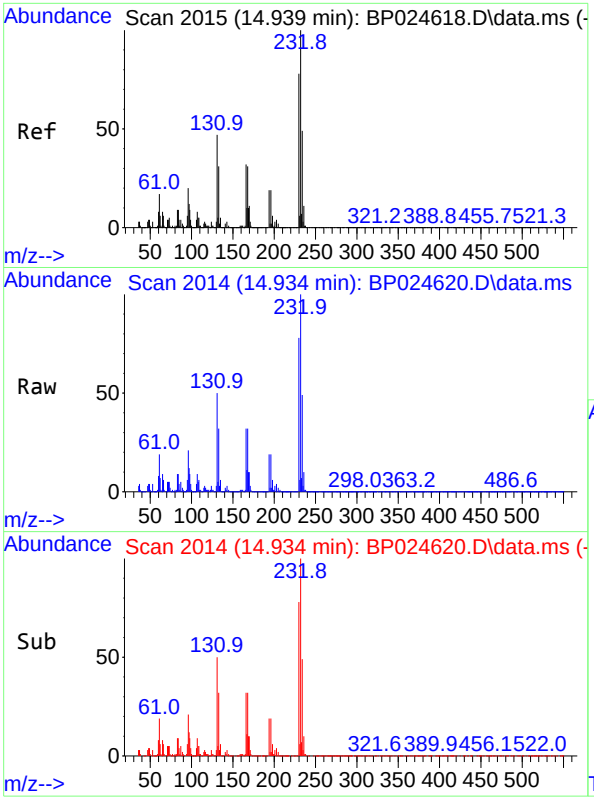




#58
Fluorene
Concen: 60.00 ng
RT: 15.363 min Scan# 2087
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:166 Resp: 1376412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.8 | 78.5 | 117.7 |
| 167 | 13.6 | 10.7 | 16.1 |



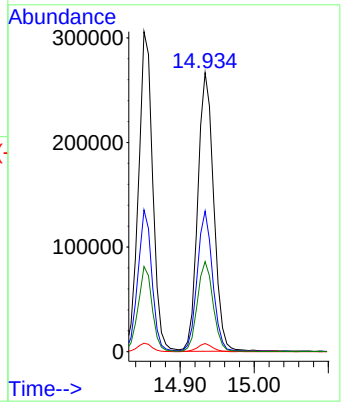


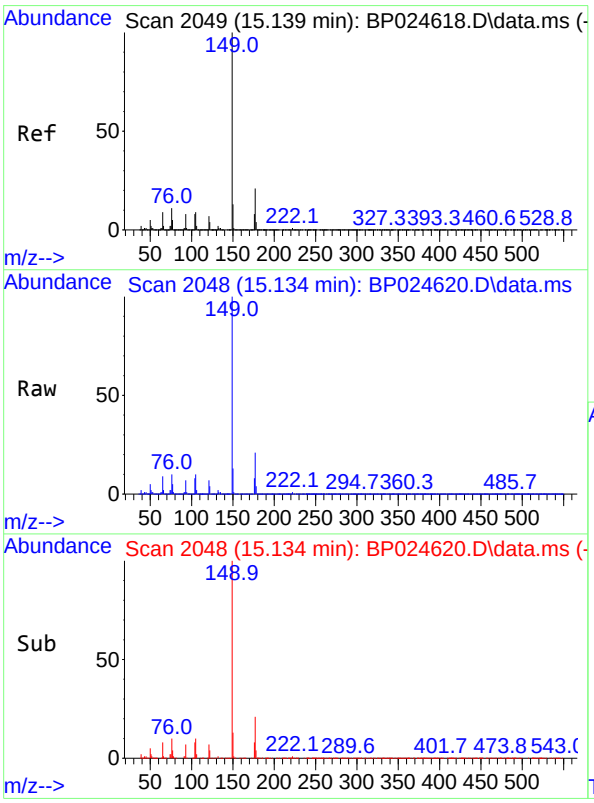

#59
2,3,4,6-Tetrachlorophenol
Concen: 62.78 ng
RT: 14.934 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:232 Resp: 396678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 49.0 | 39.5 | 59.3 |
| 130 | 2.7 | 2.2 | 3.4 |
| 166 | 31.9 | 25.7 | 38.5 |

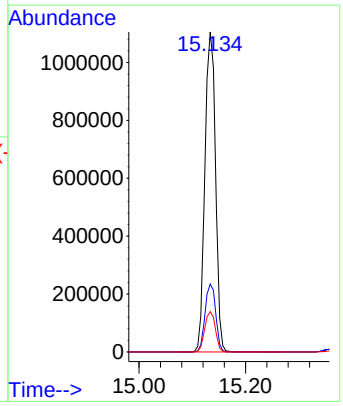


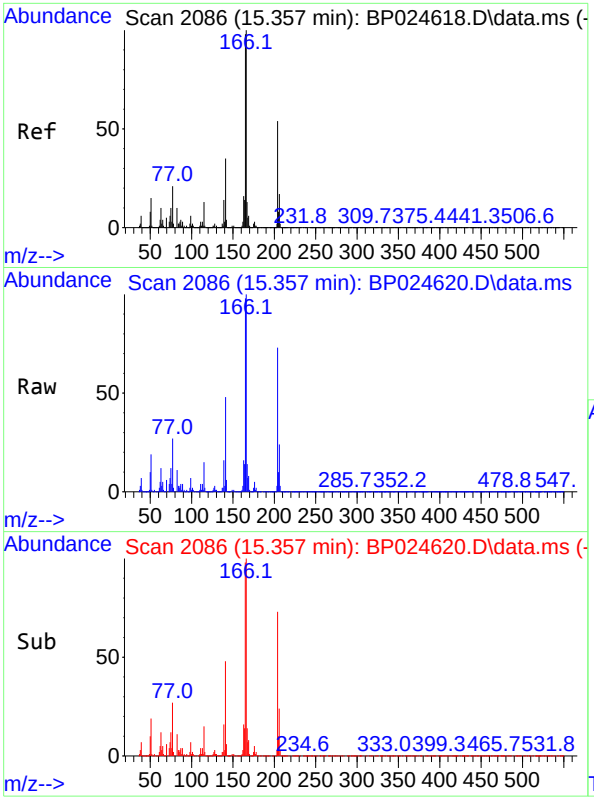




#60
Diethylphthalate
Concen: 60.87 ng
RT: 15.134 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:149 Resp: 1525628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.2 | 16.7 | 25.1 |
| 150 | 12.6 | 10.2 | 15.2 |



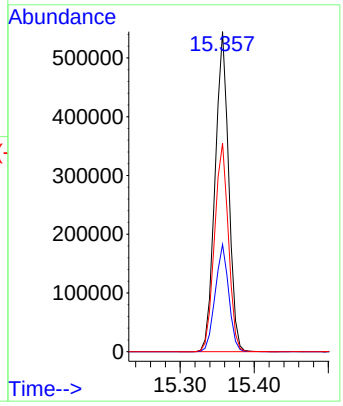


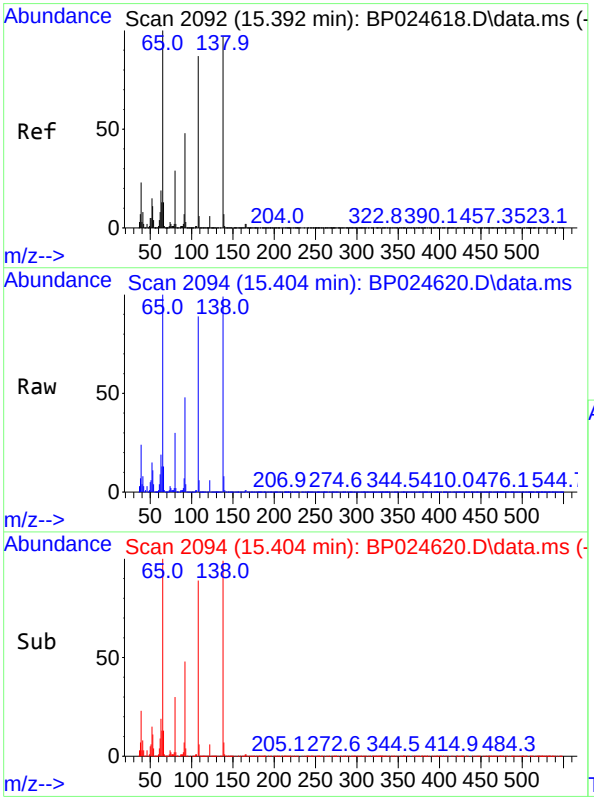

#61
4-Chlorophenyl-phenylether
Concen: 60.51 ng
RT: 15.357 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:204 Resp: 692230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.5 | 26.0 | 39.0 |
| 141 | 65.2 | 52.9 | 79.3 |

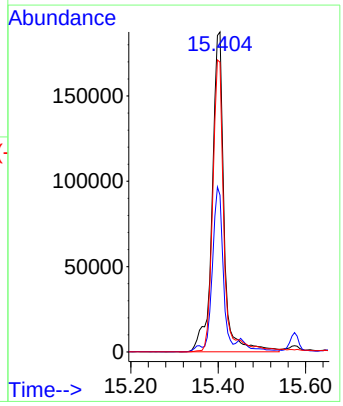


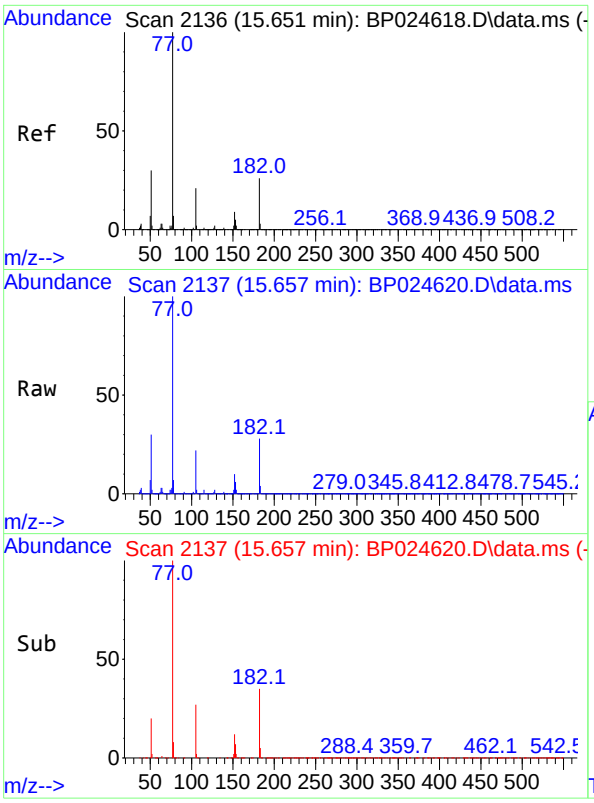




#62
4-Nitroaniline
Concen: 68.05 ng
RT: 15.404 min Scan# 2094
Delta R.T. 0.012 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:138 Resp: 354287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.0 | 29.2 | 69.2 |
| 108 | 90.5 | 69.0 | 109.0 |



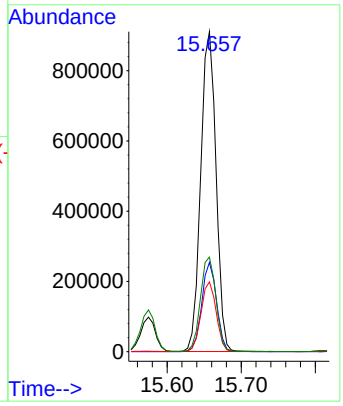


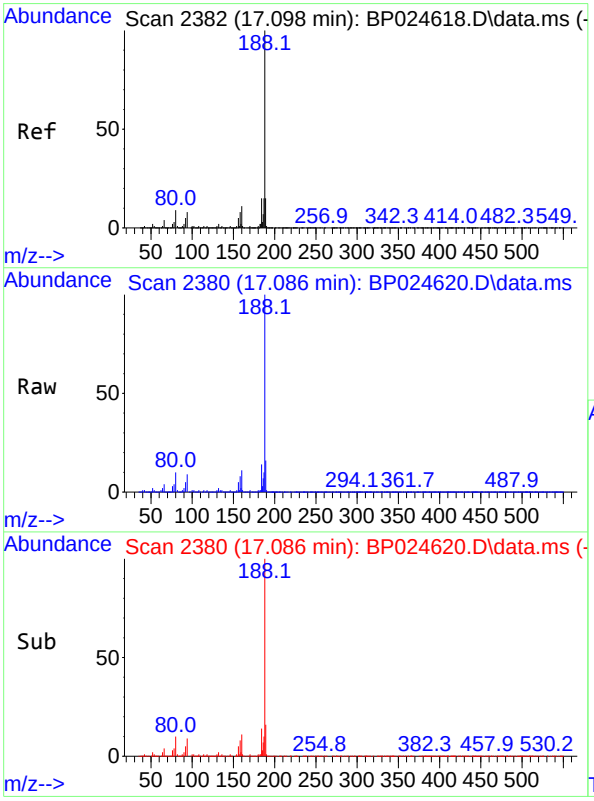

#63
Azobenzene
Concen: 61.14 ng
RT: 15.657 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 77 Resp: 1310800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 27.9 | 5.7 | 45.7 |
| 105 | 21.8 | 1.3 | 41.3 |
| 51 | 29.6 | 10.6 | 50.6 |

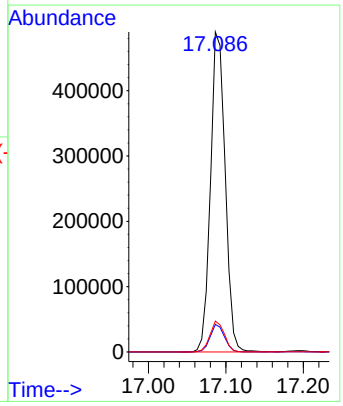


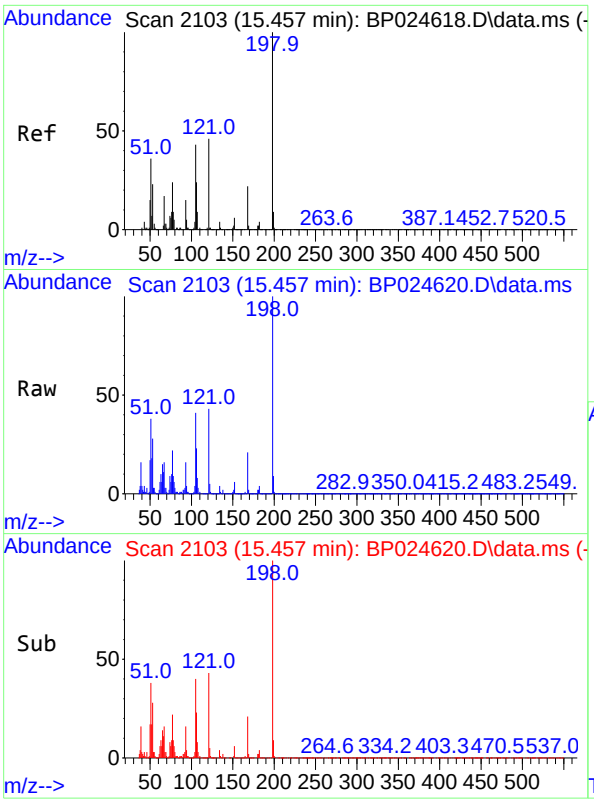




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.086 min Scan# 2380
Delta R.T. -0.012 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:188 Resp: 646756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.6 | 6.5 | 9.7 |
| 80 | 9.6 | 7.3 | 10.9 |



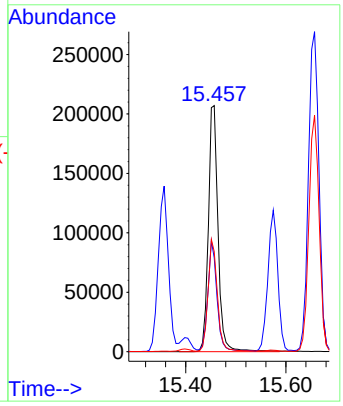


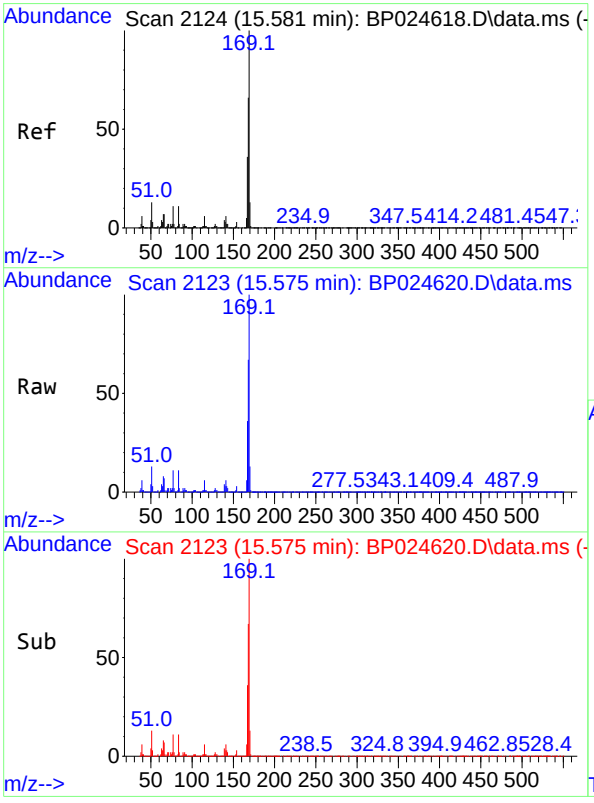

#65
4,6-Dinitro-2-methylphenol
Concen: 66.55 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:198 Resp: 278024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 38.1 | 21.1 | 61.1 |
| 105 | 40.6 | 23.6 | 63.6 |

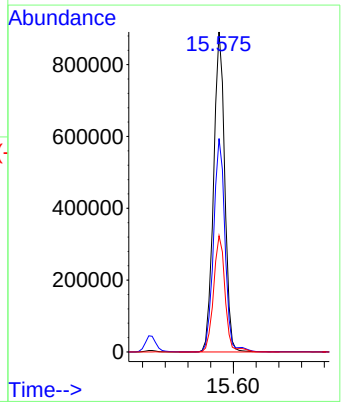


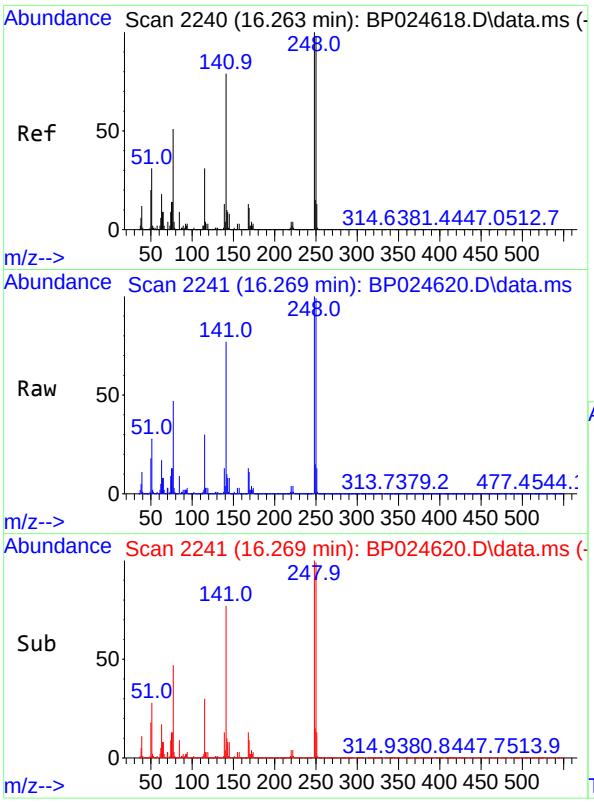




#66
n-Nitrosodiphenylamine
Concen: 60.68 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:169 Resp: 1205525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.7 | 53.2 | 79.8 |
| 167 | 36.3 | 28.6 | 43.0 |



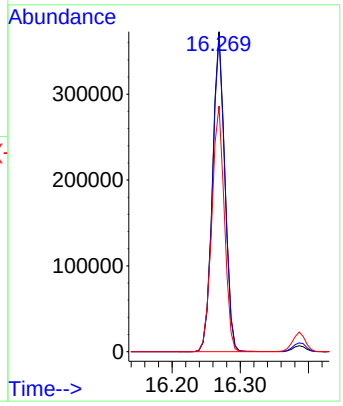


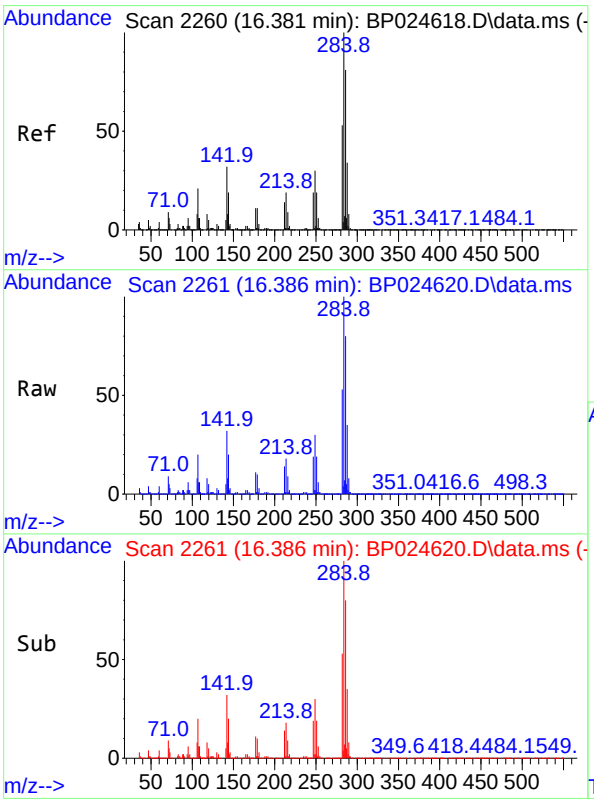

#67
4-Bromophenyl-phenylether
Concen: 61.56 ng
RT: 16.269 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:248 Resp: 469127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.6 | 78.2 | 117.4 |
| 141 | 76.7 | 63.0 | 94.6 |

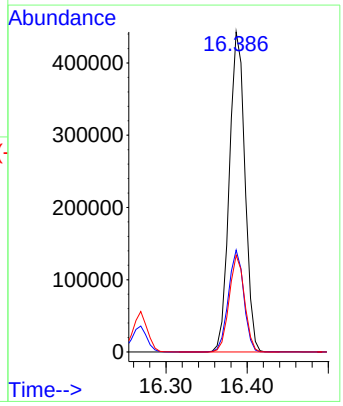


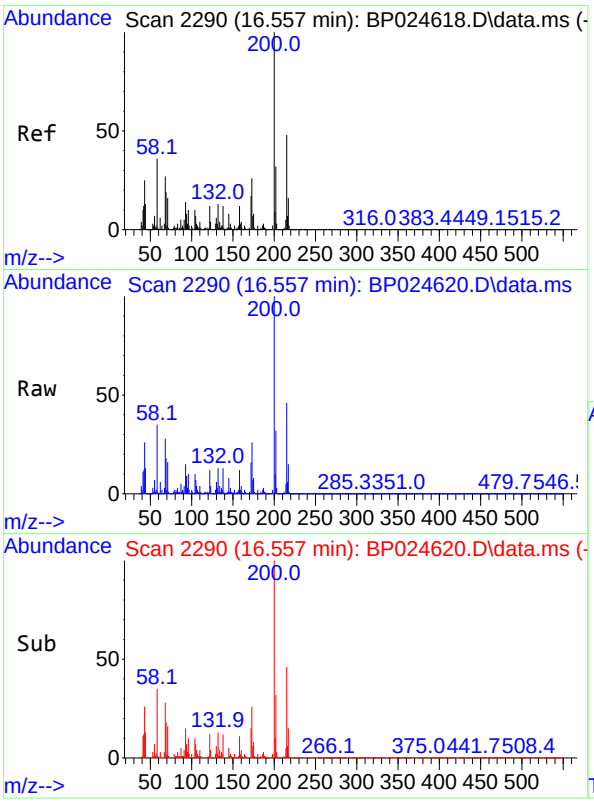




#68
Hexachlorobenzene
Concen: 60.99 ng
RT: 16.386 min Scan# 2261
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:284 Resp: 590615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.9 | 25.9 | 38.9 |
| 249 | 30.3 | 24.1 | 36.1 |



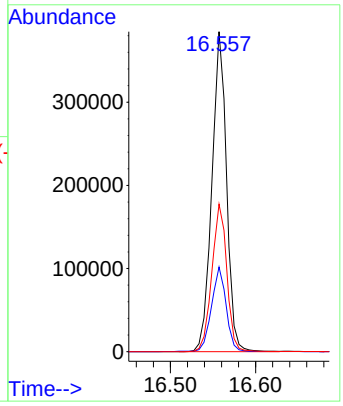


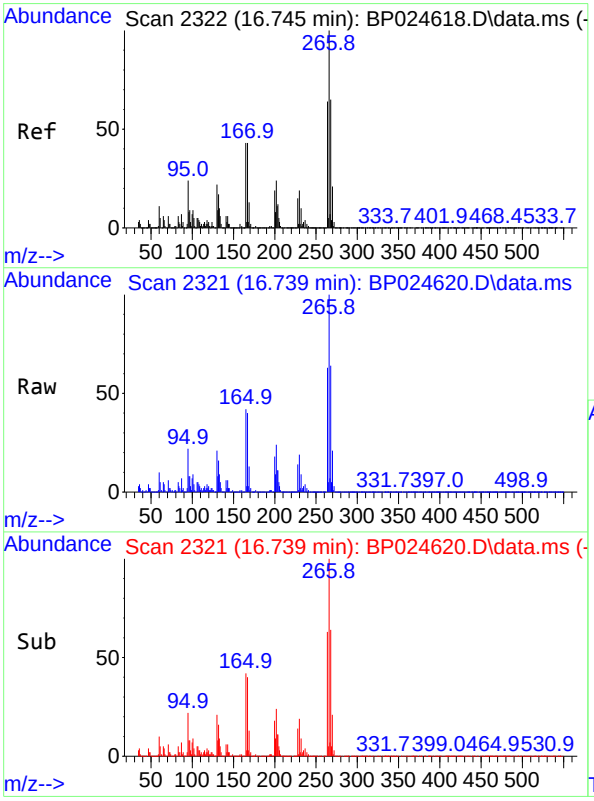

#69
Atrazine
Concen: 63.29 ng
RT: 16.557 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:200 Resp: 460742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.4 | 5.9 | 45.9 |
| 215 | 46.1 | 28.3 | 68.3 |

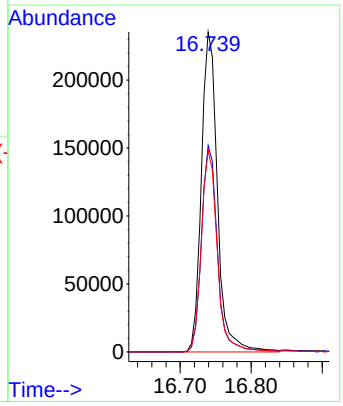


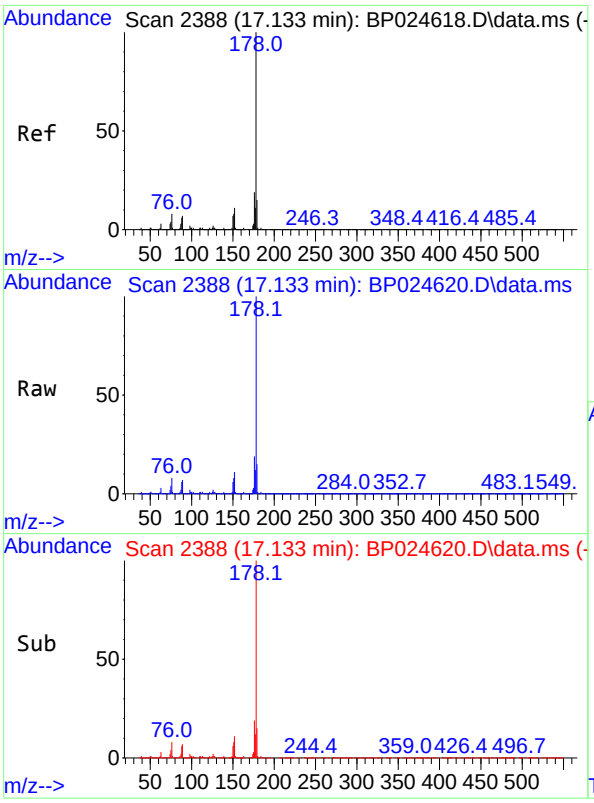




#70
Pentachlorophenol
Concen: 68.29 ng
RT: 16.739 min Scan# 2321
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:266 Resp: 371465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.5 | 52.2 | 78.4 |
| 264 | 62.9 | 51.1 | 76.7 |



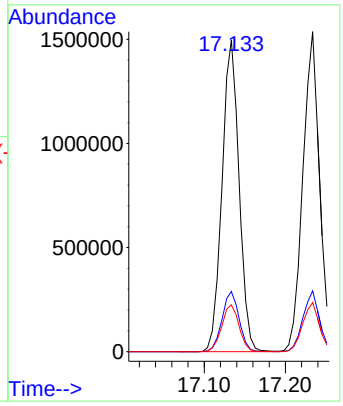


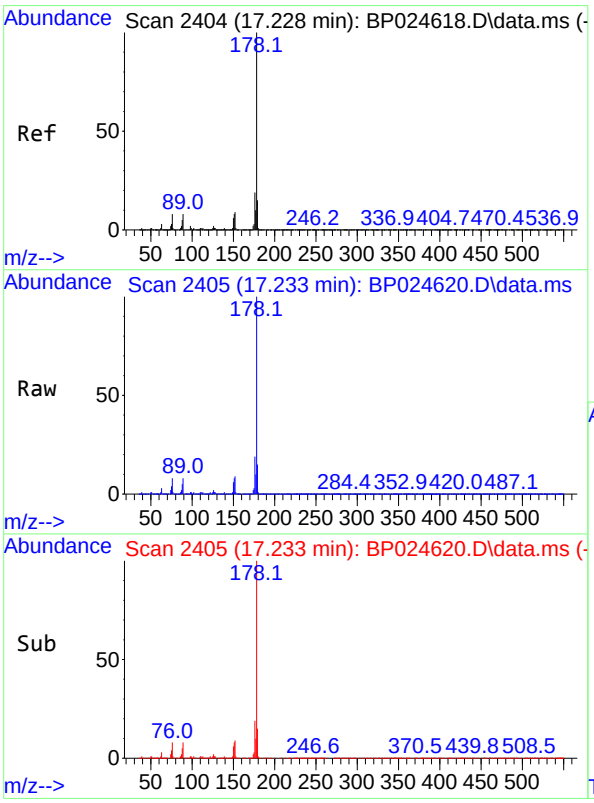

#71
Phenanthrene
Concen: 60.73 ng
RT: 17.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:178 Resp: 2183329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.4 | 23.2 |
| 179 | 15.1 | 12.2 | 18.4 |

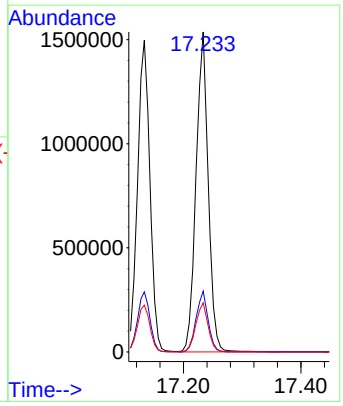


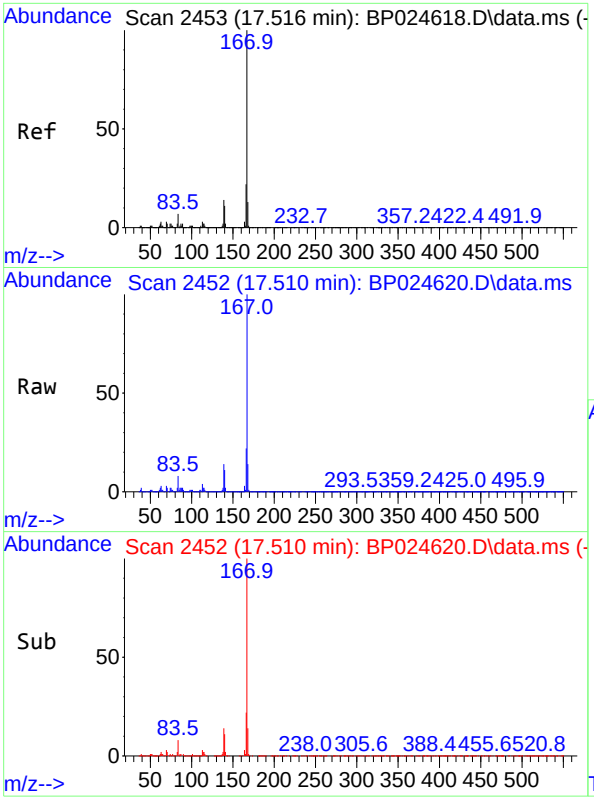




#72
Anthracene
Concen: 61.11 ng
RT: 17.233 min Scan# 2405
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:178 Resp: 2210412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.0 | 22.4 |
| 179 | 15.3 | 12.2 | 18.2 |



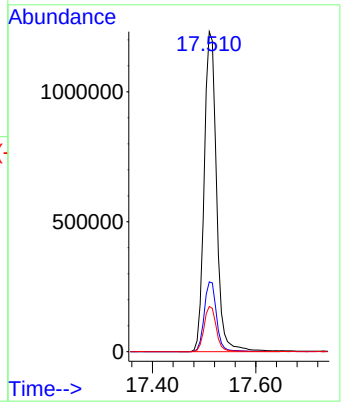


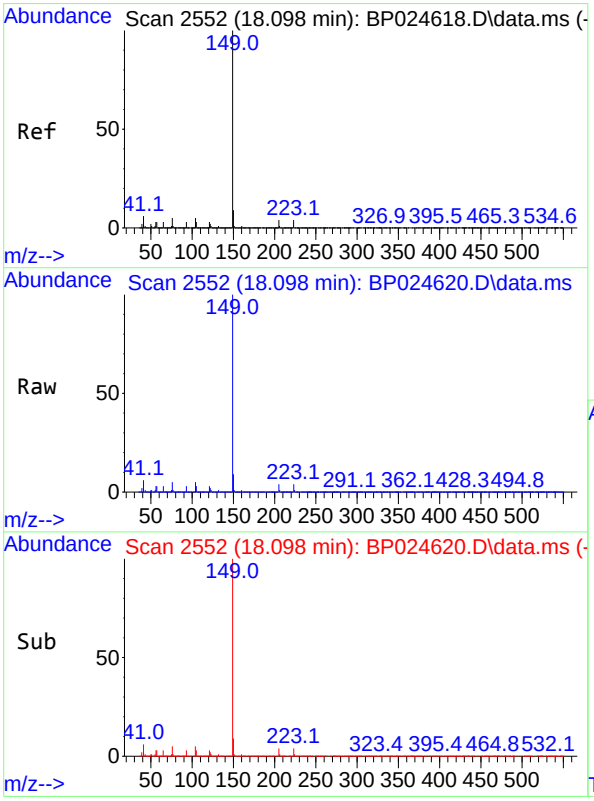

#73
Carbazole
Concen: 62.39 ng
RT: 17.510 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:167 Resp: 2042777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.8 | 17.7 | 26.5 |
| 139 | 14.1 | 11.3 | 16.9 |

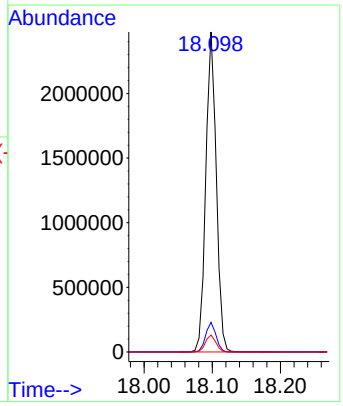


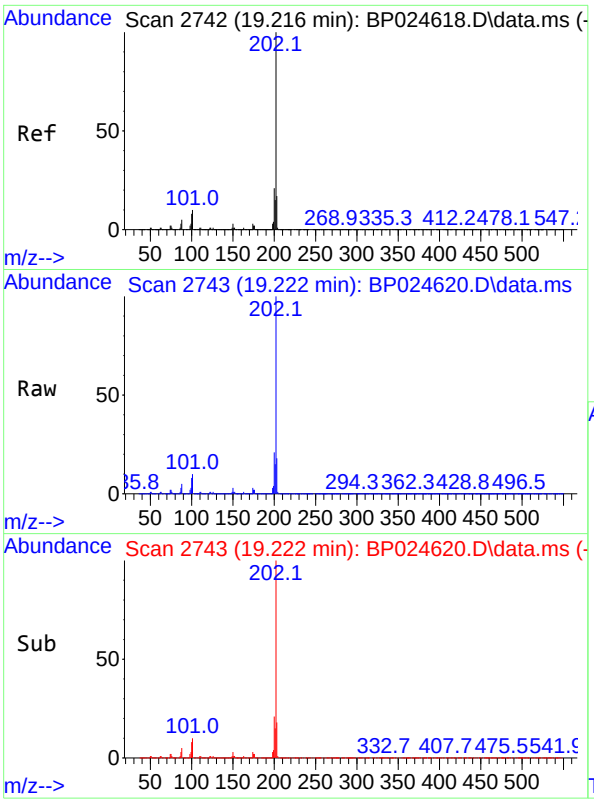




#74
Di-n-butylphthalate
Concen: 62.81 ng
RT: 18.098 min Scan# 2552
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:149 Resp: 2644959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.2 | 10.8 |
| 104 | 5.3 | 4.3 | 6.5 |



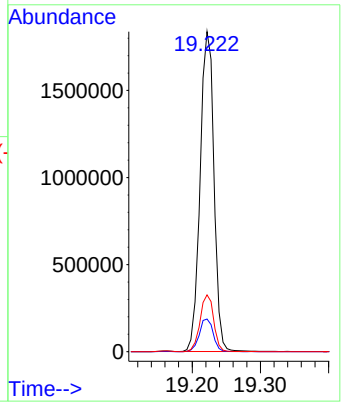


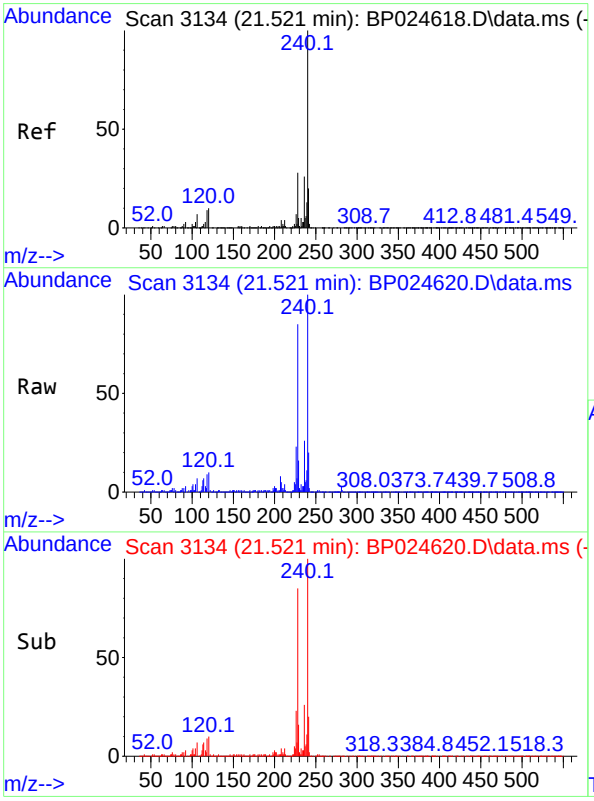

#75
Fluoranthene
Concen: 61.73 ng
RT: 19.222 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:202 Resp: 2594532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.2 | 0.0 | 30.3 |
| 203 | 17.8 | 0.0 | 37.5 |

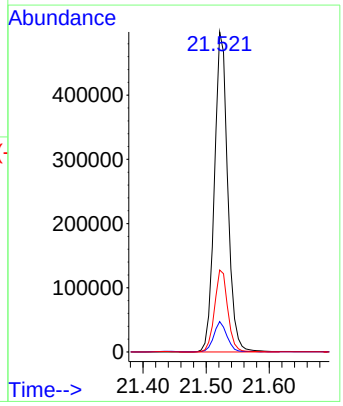


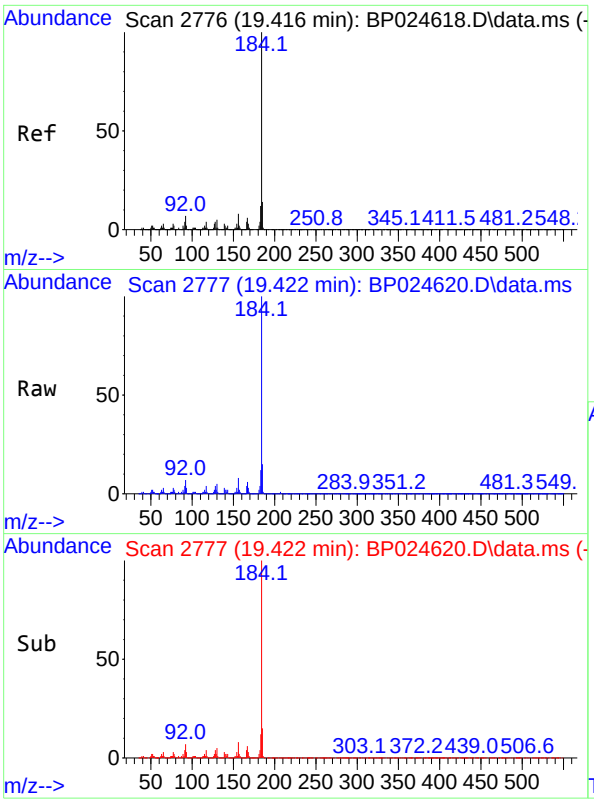




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.521 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:240 Resp: 726281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.5 | 7.8 | 11.6 |
| 236 | 25.6 | 20.6 | 31.0 |



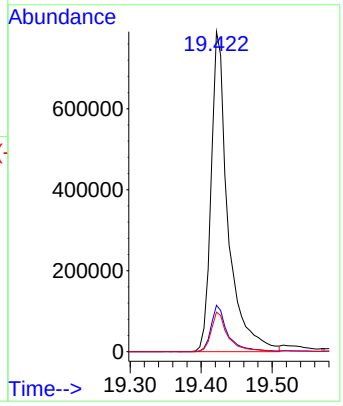


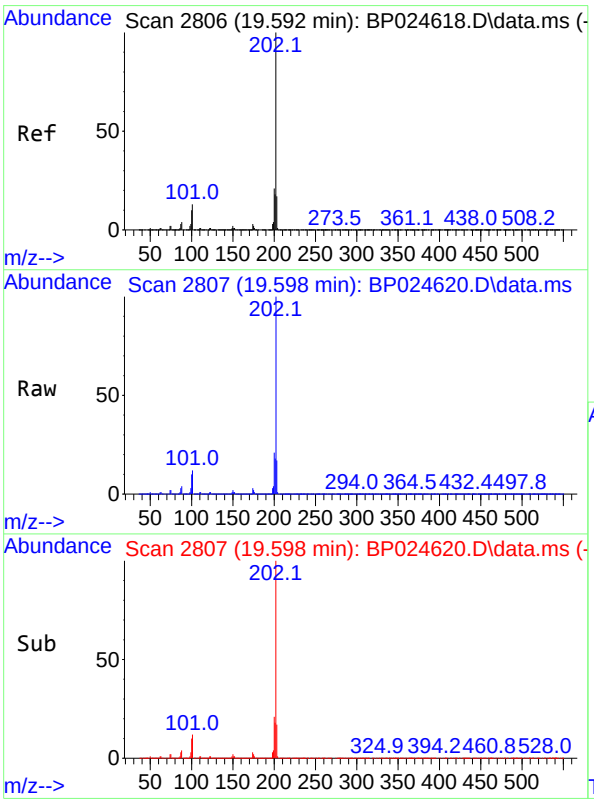

#77
Benzidine
Concen: 65.42 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:184 Resp: 1304259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.5 | 11.2 | 16.8 |
| 183 | 12.4 | 9.8 | 14.8 |

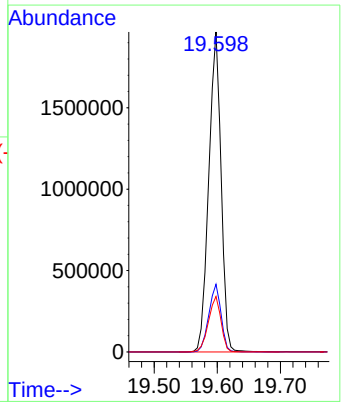


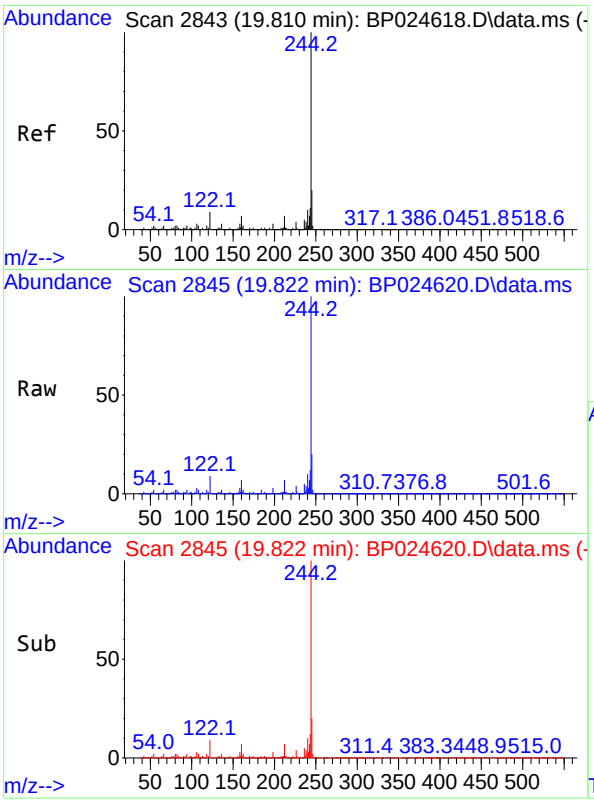




#78
Pyrene
Concen: 61.17 ng
RT: 19.598 min Scan# 2807
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:202 Resp: 2661811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 16.9 | 25.3 |
| 203 | 17.4 | 13.9 | 20.9 |



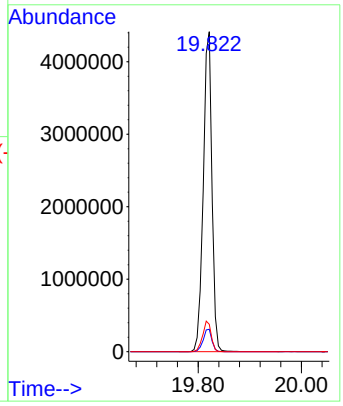


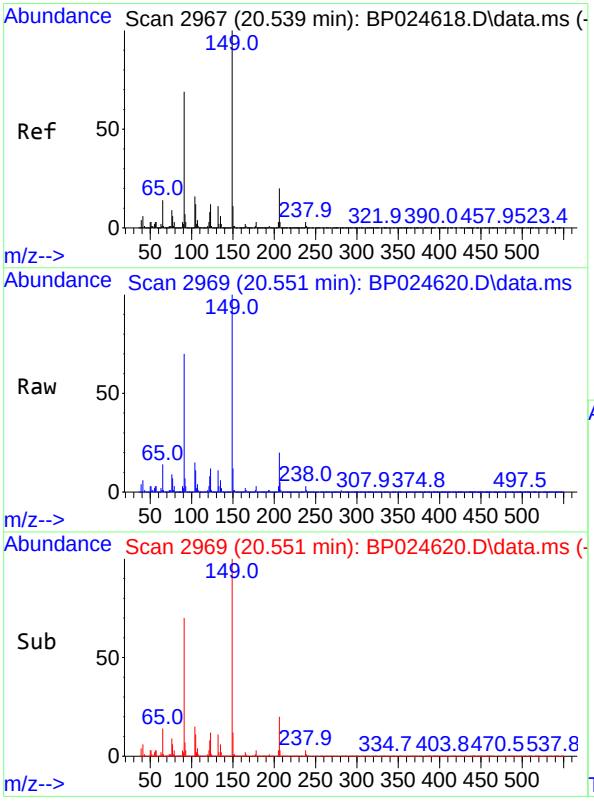

#79
Terphenyl-d14
Concen: 120.88 ng
RT: 19.822 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:244 Resp: 5119872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.5 | 8.3 |
| 122 | 8.6 | 7.4 | 11.0 |

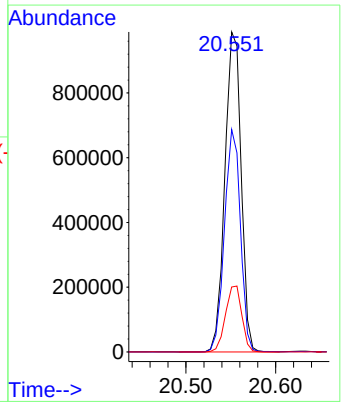


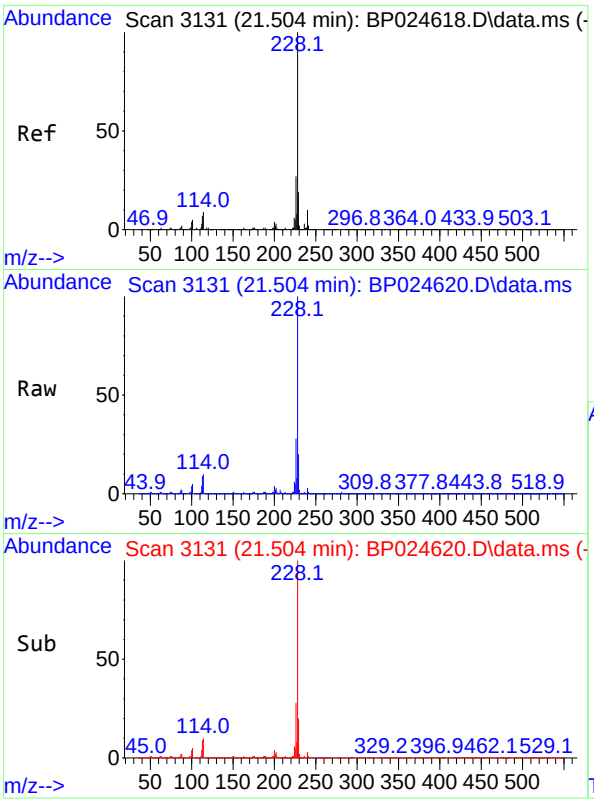




#80
Butylbenzylphthalate
Concen: 64.25 ng
RT: 20.551 min Scan# 2969
Delta R.T. 0.012 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:149 Resp: 1243403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 69.5 | 55.4 | 83.0 |
| 206 | 20.3 | 16.2 | 24.2 |



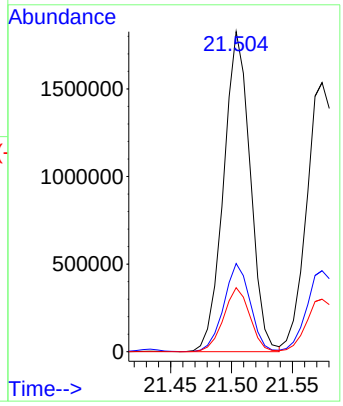


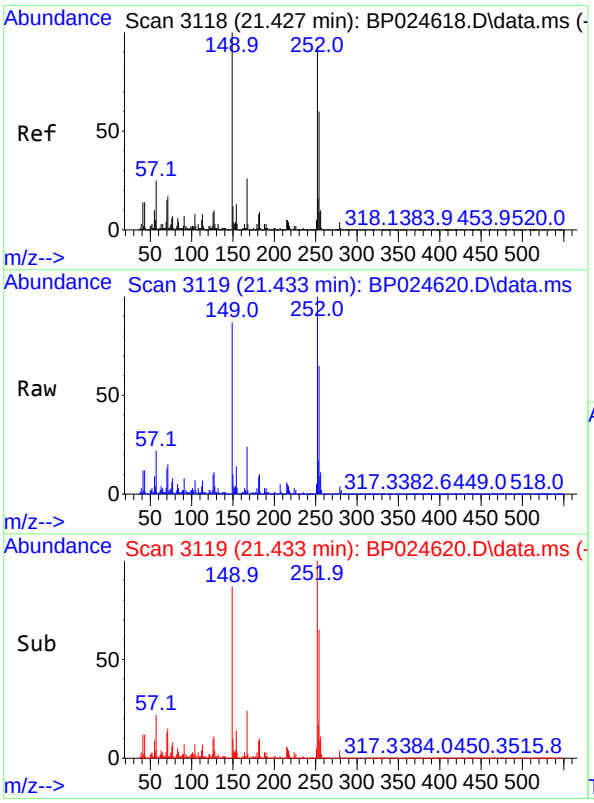

#81
Benzo(a)anthracene
Concen: 60.93 ng
RT: 21.504 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:228 Resp: 2778689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.5 | 21.4 | 32.0 |
| 229 | 20.0 | 15.5 | 23.3 |

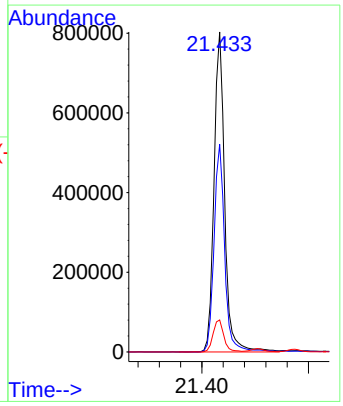


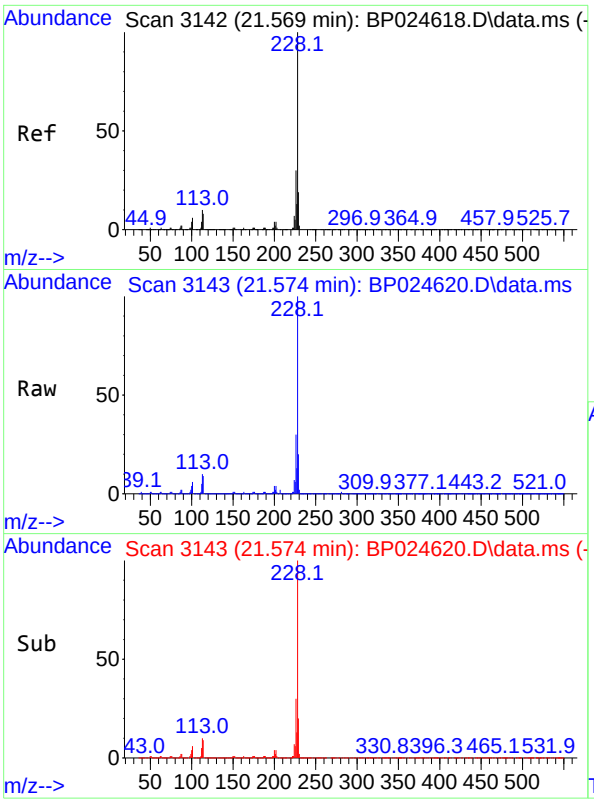




#82
3,3'-Dichlorobenzidine
Concen: 65.77 ng
RT: 21.433 min Scan# 3119
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:252 Resp: 1114122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.9 | 51.8 | 77.6 |
| 126 | 10.0 | 7.7 | 11.5 |



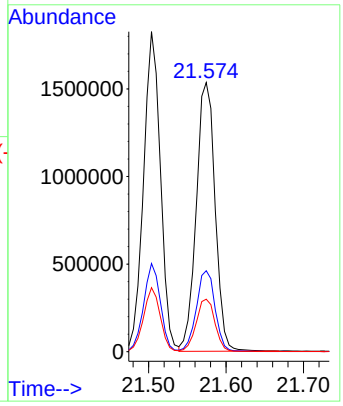


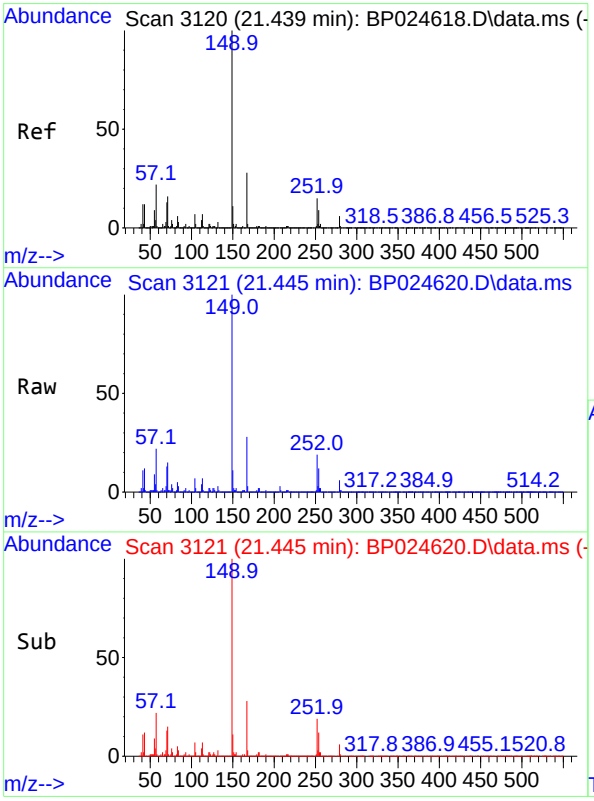

#83
Chrysene
Concen: 59.88 ng
RT: 21.574 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:228 Resp: 2588513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 23.9 | 35.9 |
| 229 | 19.5 | 15.5 | 23.3 |

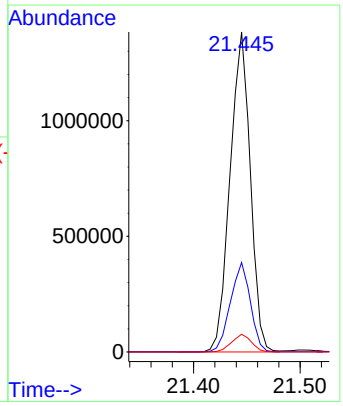


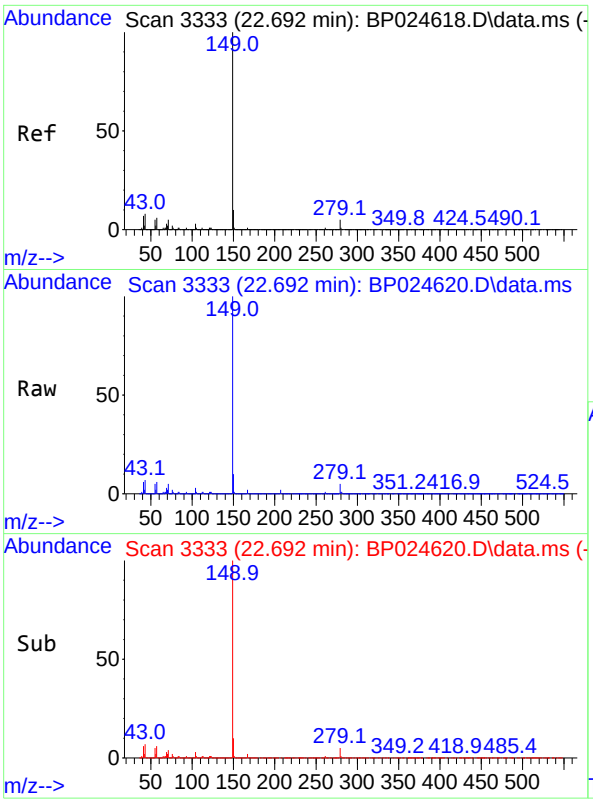




#84
Bis(2-ethylhexyl)phthalate
Concen: 64.05 ng
RT: 21.445 min Scan# 3121
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:149 Resp: 1822019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.9 | 22.1 | 33.1 |
| 279 | 5.6 | 4.6 | 6.8 |



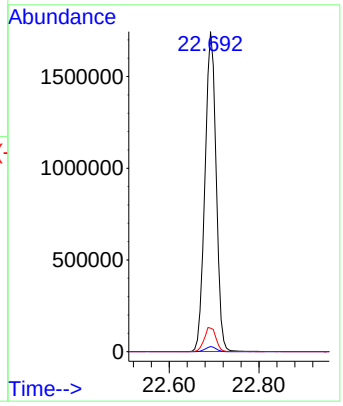


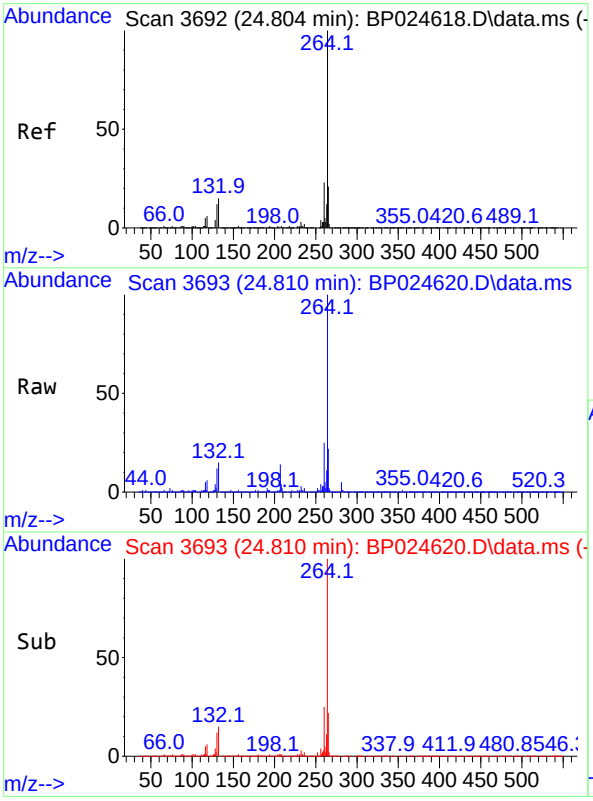

#85
Di-n-octyl phthalate
Concen: 64.47 ng
RT: 22.692 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:149 Resp: 2998832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.2 | 1.8 |
| 43 | 7.9 | 6.3 | 9.5 |

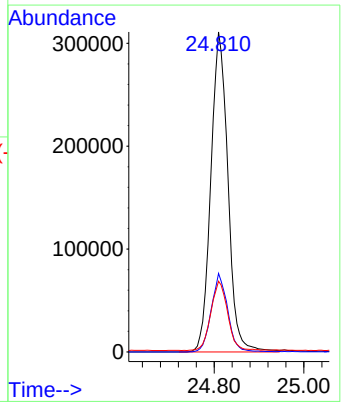


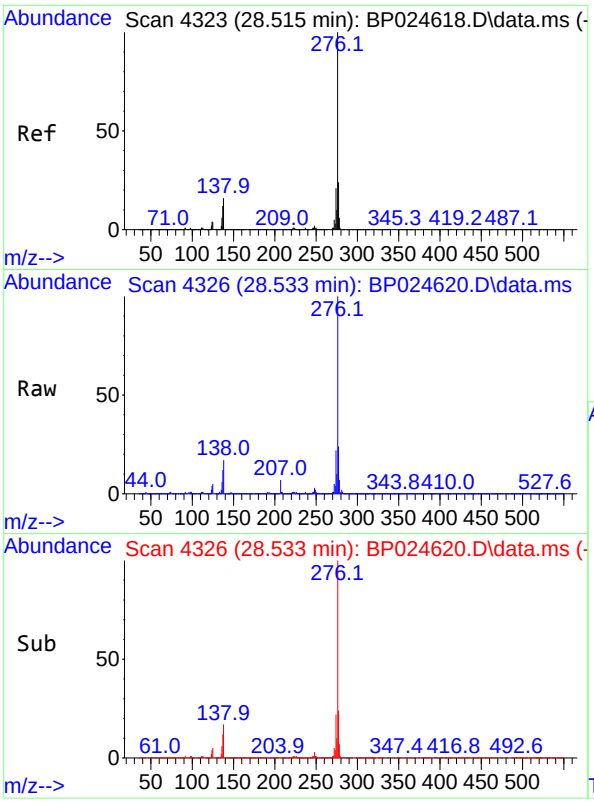




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.810 min Scan# 3693
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:264 Resp: 822943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.6 | 18.7 | 28.1 |
| 265 | 22.1 | 17.0 | 25.6 |



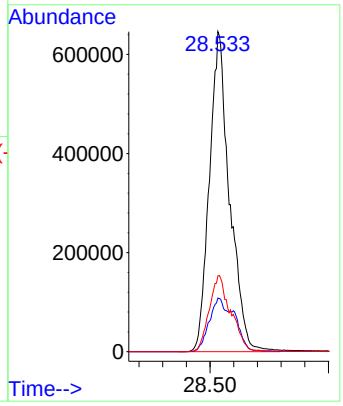


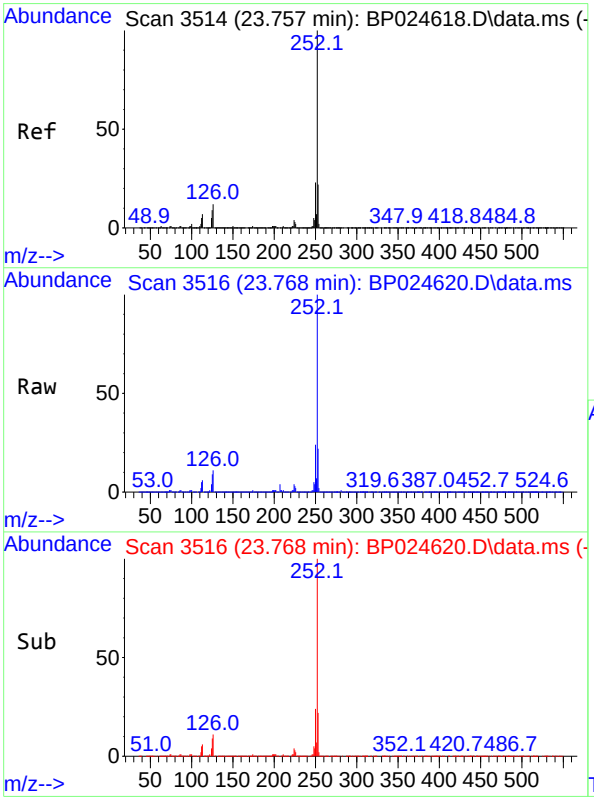

#87
Indeno(1,2,3-cd)pyrene
Concen: 63.64 ng
RT: 28.533 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:276 Resp: 3824922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 14.4 | 11.2 | 16.8 |
| 277 | 25.5 | 15.7 | 23.5# |

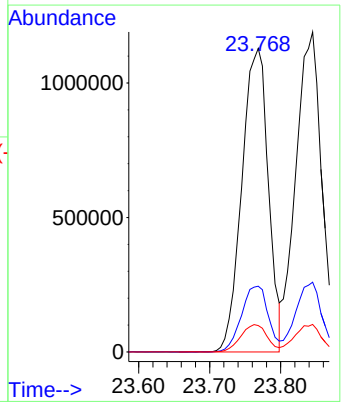


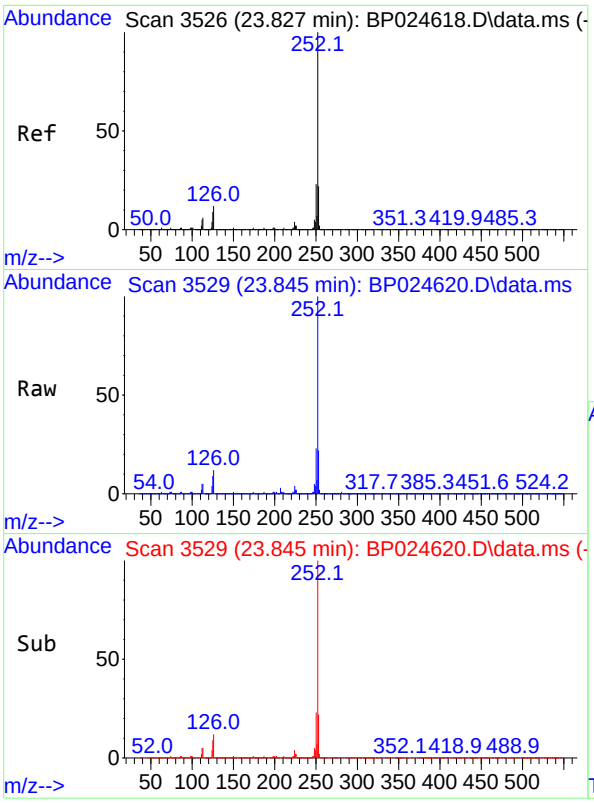




#88
Benzo(b)fluoranthene
Concen: 62.04 ng
RT: 23.768 min Scan# 3516
Delta R.T. 0.012 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:252 Resp: 2922103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.7 | 26.5 |
| 125 | 8.7 | 7.5 | 11.3 |



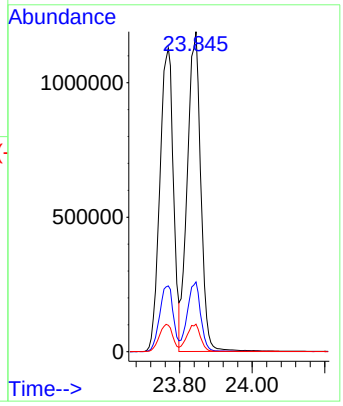


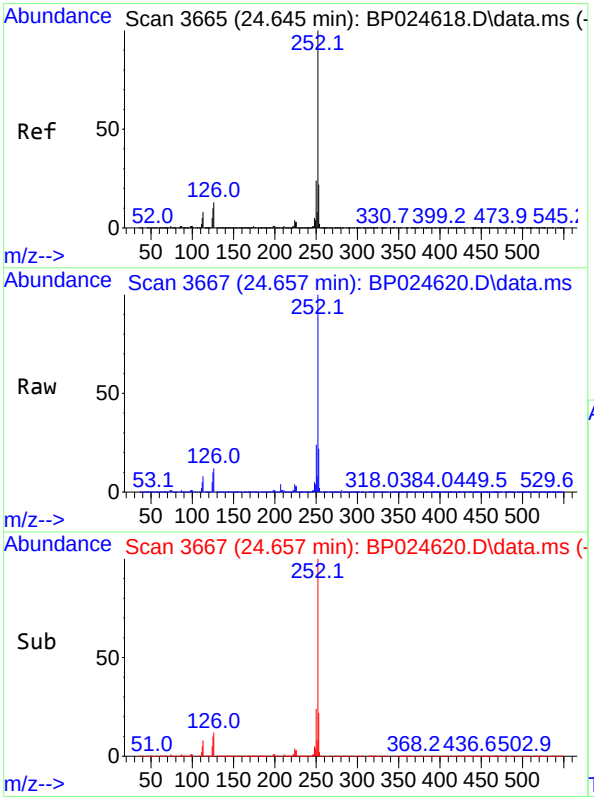

#89
Benzo(k)fluoranthene
Concen: 62.95 ng
RT: 23.845 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:252 Resp: 3055252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.6 | 26.4 |
| 125 | 8.6 | 7.0 | 10.4 |

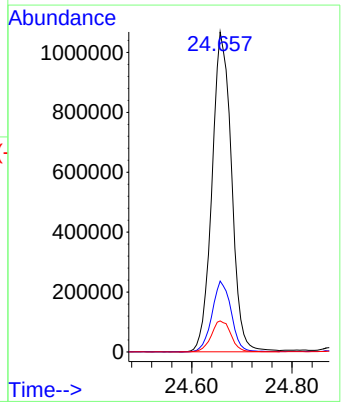


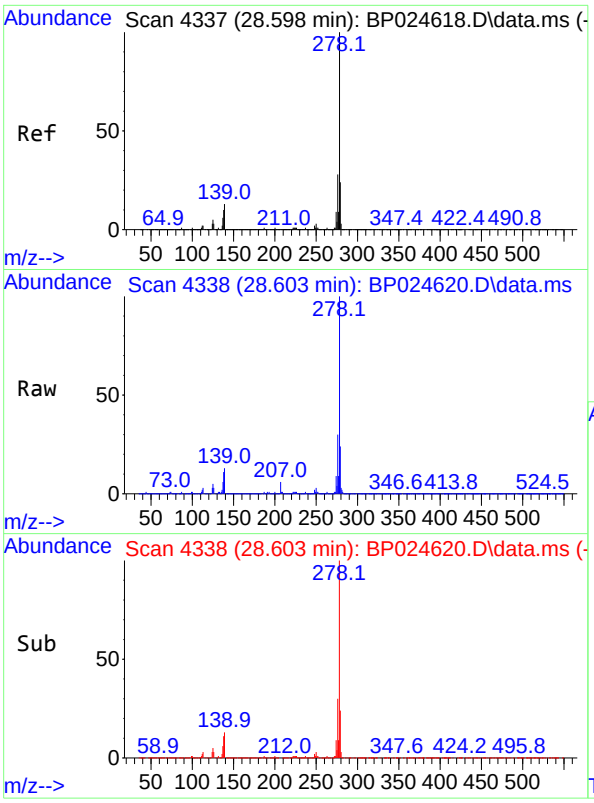




#90
Benzo(a)pyrene
Concen: 63.69 ng
RT: 24.657 min Scan# 3667
Delta R.T. 0.012 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:252 Resp: 2881508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.7 | 26.5 |
| 125 | 9.7 | 8.1 | 12.1 |



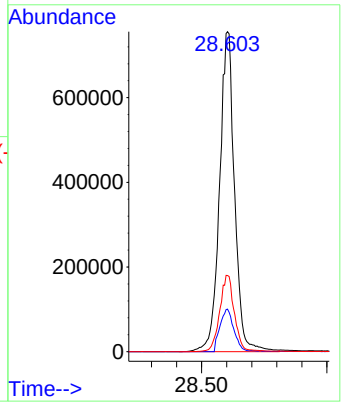


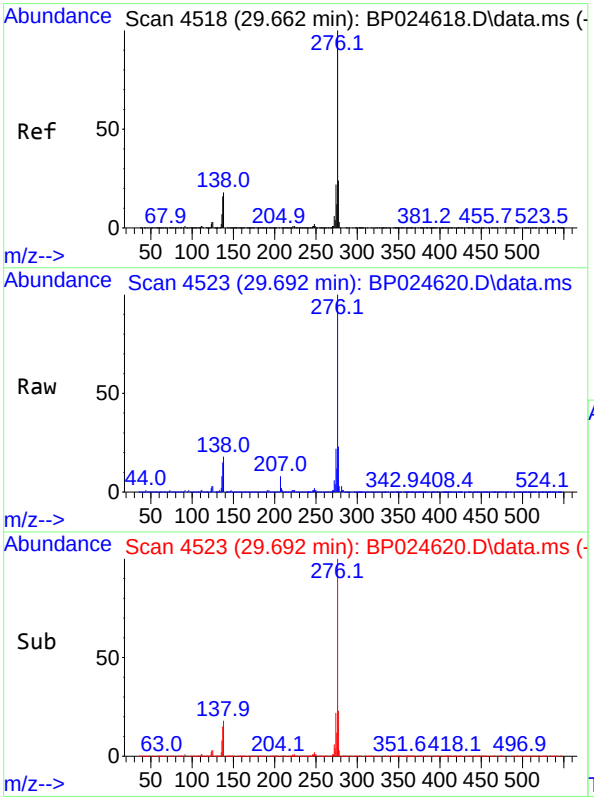

#91
Dibenzo(a,h)anthracene
Concen: 64.20 ng
RT: 28.603 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:278 Resp: 3137905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.3 | 10.2 | 15.4 |
| 279 | 23.8 | 19.0 | 28.4 |

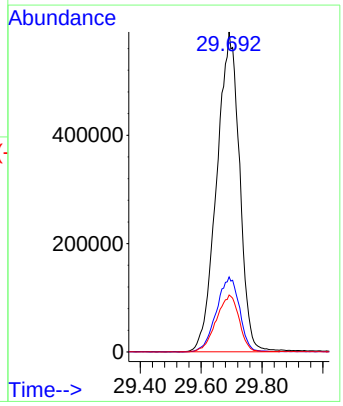



#92
Benzo(g,h,i)perylene
Concen: 63.07 ng
RT: 29.692 min Scan# 4523
Delta R.T. 0.029 min
Lab File: BP024620.D
Acq: 13 May 2025 14:45

Tgt Ion:276 Resp: 3065416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.5 | 19.0 | 28.4 |
| 138 | 17.8 | 14.4 | 21.6 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024621.D
Acq On : 13 May 2025 15:26
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:10:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.663 | 152 | 134481 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.434 | 136 | 584325 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.298 | 164 | 373575 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.104 | 188 | 713479 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.516 | 240 | 765954 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.804 | 264 | 877352 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.287 | 112 | 1283582 | 163.25 | ng | | 0.00 |
| 7) Phenol-d6 | 6.858 | 99 | 1670035 | 166.42 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.822 | 82 | 1840183 | 159.12 | ng | | 0.01 |
| 42) 2,4,6-Tribromophenol | 15.828 | 330 | 1032638 | 163.05 | ng | | 0.02 |
| 45) 2-Fluorobiphenyl | 12.910 | 172 | 4438179 | 155.65 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.816 | 244 | 7152255 | 160.11 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.228 | 88 | 275790 | 74.70 | ng | | 99 |
| 3) Pyridine | 3.622 | 79 | 679364 | 82.98 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.534 | 42 | 289012 | 79.96 | ng | | 100 |
| 6) Aniline | 7.005 | 93 | 1075238 | 82.99 | ng | | 100 |
| 8) 2-Chlorophenol | 7.240 | 128 | 740005 | 82.91 | ng | | 99 |
| 9) Benzaldehyde | 6.822 | 77 | 412028 | 63.54 | ng | | 100 |
| 10) Phenol | 6.887 | 94 | 859122 | 82.95 | ng | | 100 |
| 11) bis(2-Chloroethyl)ether | 7.099 | 93 | 670572 | 78.79 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 7.552 | 146 | 795953 | 77.51 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 7.699 | 146 | 802182 | 77.67 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.010 | 146 | 779316 | 77.43 | ng | | 99 |
| 15) Benzyl Alcohol | 7.910 | 79 | 664684 | 87.16 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.187 | 45 | 782240 | 76.75 | ng | | 98 |
| 17) 2-Methylphenol | 8.110 | 107 | 620901 | 83.58 | ng | | 99 |
| 18) Hexachloroethane | 8.728 | 117 | 306812 | 77.52 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.469 | 70 | 551845 | 79.50 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.440 | 107 | 852078 | 84.32 | ng | | 99 |
| 22) Acetophenone | 8.481 | 105 | 1147610 | 78.62 | ng | # | 99 |
| 24) Nitrobenzene | 8.857 | 77 | 804153 | 79.02 | ng | | 98 |
| 25) Isophorone | 9.381 | 82 | 1593235 | 79.42 | ng | | 100 |
| 26) 2-Nitrophenol | 9.557 | 139 | 442185 | 88.67 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.628 | 122 | 722439 | 82.17 | ng | | 100 |
| 28) bis(2-Chloroethoxy)met... | 9.857 | 93 | 946615 | 78.98 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.099 | 162 | 721701 | 84.70 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.299 | 180 | 755529 | 78.69 | ng | | 98 |
| 31) Naphthalene | 10.487 | 128 | 2354789 | 77.77 | ng | | 100 |
| 32) Benzoic acid | 9.828 | 122 | 525308 | 80.15 | ng | | 99 |
| 33) 4-Chloroaniline | 10.599 | 127 | 1033865 | 84.61 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.769 | 225 | 481140 | 77.35 | ng | | 97 |
| 35) Caprolactam | 11.416 | 113 | 257252 | 83.50 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 11.734 | 107 | 838983 | 80.74 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.093 | 142 | 1529445 | 78.01 | ng | | 100 |
| 38) 1-Methylnaphthalene | 12.322 | 142 | 1613775 | 76.92 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.469 | 216 | 875750 | 80.73 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.446 | 237 | 628436 | 95.54 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 12.716 | 196 | 601332 | 85.58 | ng | | 99 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024621.D
Acq On : 13 May 2025 15:26
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:10:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.798 | 196 | 657399 | 84.05 | ng | 97 |
| 46) 1,1'-Biphenyl | 13.122 | 154 | 2175624 | 78.79 | ng | 100 |
| 47) 2-Chloronaphthalene | 13.163 | 162 | 1662979 | 78.99 | ng | 99 |
| 48) 2-Nitroaniline | 13.375 | 65 | 512458 | 82.22 | ng | 97 |
| 49) Acenaphthylene | 14.016 | 152 | 2773742 | 78.73 | ng | 99 |
| 50) Dimethylphthalate | 13.763 | 163 | 2182359 | 76.64 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.887 | 165 | 476606 | 79.26 | ng | 97 |
| 52) Acenaphthene | 14.363 | 154 | 1572103 | 77.62 | ng | 99 |
| 53) 3-Nitroaniline | 14.222 | 138 | 522849 | 85.15 | ng | 100 |
| 54) 2,4-Dinitrophenol | 14.428 | 184 | 300458 | 79.29 | ng | 98 |
| 55) Dibenzofuran | 14.704 | 168 | 2477374 | 76.68 | ng | 99 |
| 56) 4-Nitrophenol | 14.557 | 139 | 409954 | 77.27 | ng | 98 |
| 57) 2,4-Dinitrotoluene | 14.681 | 165 | 678287 | 80.01 | ng | 97 |
| 58) Fluorene | 15.363 | 166 | 2003709 | 76.06 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.945 | 232 | 588947 | 81.17 | ng | 98 |
| 60) Diethylphthalate | 15.145 | 149 | 2193488 | 76.22 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.363 | 204 | 997863 | 75.96 | ng | 99 |
| 62) 4-Nitroaniline | 15.404 | 138 | 509582 | 85.24 | ng | 99 |
| 63) Azobenzene | 15.663 | 77 | 1858146 | 75.47 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.469 | 198 | 401011 | 87.01 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 15.587 | 169 | 1711679 | 78.10 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.281 | 248 | 684619 | 81.43 | ng | 98 |
| 68) Hexachlorobenzene | 16.398 | 284 | 856547 | 80.18 | ng | 99 |
| 69) Atrazine | 16.575 | 200 | 645877 | 80.42 | ng | 99 |
| 70) Pentachlorophenol | 16.751 | 266 | 548492 | 91.41 | ng | 99 |
| 71) Phenanthrene | 17.145 | 178 | 3091665 | 77.95 | ng | 99 |
| 72) Anthracene | 17.239 | 178 | 3161669 | 79.23 | ng | 99 |
| 73) Carbazole | 17.522 | 167 | 2892236 | 80.08 | ng | 99 |
| 74) Di-n-butylphthalate | 18.110 | 149 | 3747927 | 80.68 | ng | 99 |
| 75) Fluoranthene | 19.228 | 202 | 3629085 | 78.27 | ng | 99 |
| 77) Benzidine | 19.422 | 184 | 1678507 | 79.83 | ng | 100 |
| 78) Pyrene | 19.604 | 202 | 3747276 | 81.65 | ng | 99 |
| 80) Butylbenzylphthalate | 20.545 | 149 | 1741954 | 85.34 | ng | 98 |
| 81) Benzo(a)anthracene | 21.498 | 228 | 3829787 | 79.63 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.422 | 252 | 1575691 | 88.21 | ng | 100 |
| 83) Chrysene | 21.569 | 228 | 3615014 | 79.29 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.439 | 149 | 2577445 | 85.91 | ng | 99 |
| 85) Di-n-octyl phthalate | 22.686 | 149 | 4341653 | 88.50 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.515 | 276 | 5243999m | 81.85 | ng | |
| 88) Benzo(b)fluoranthene | 23.768 | 252 | 4173798 | 83.11 | ng | 99 |
| 89) Benzo(k)fluoranthene | 23.833 | 252 | 4160268 | 80.40 | ng | 100 |
| 90) Benzo(a)pyrene | 24.645 | 252 | 3988360 | 82.69 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.598 | 278 | 4338518 | 83.26 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 29.680 | 276 | 4253459 | 82.08 | ng | 99 |

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

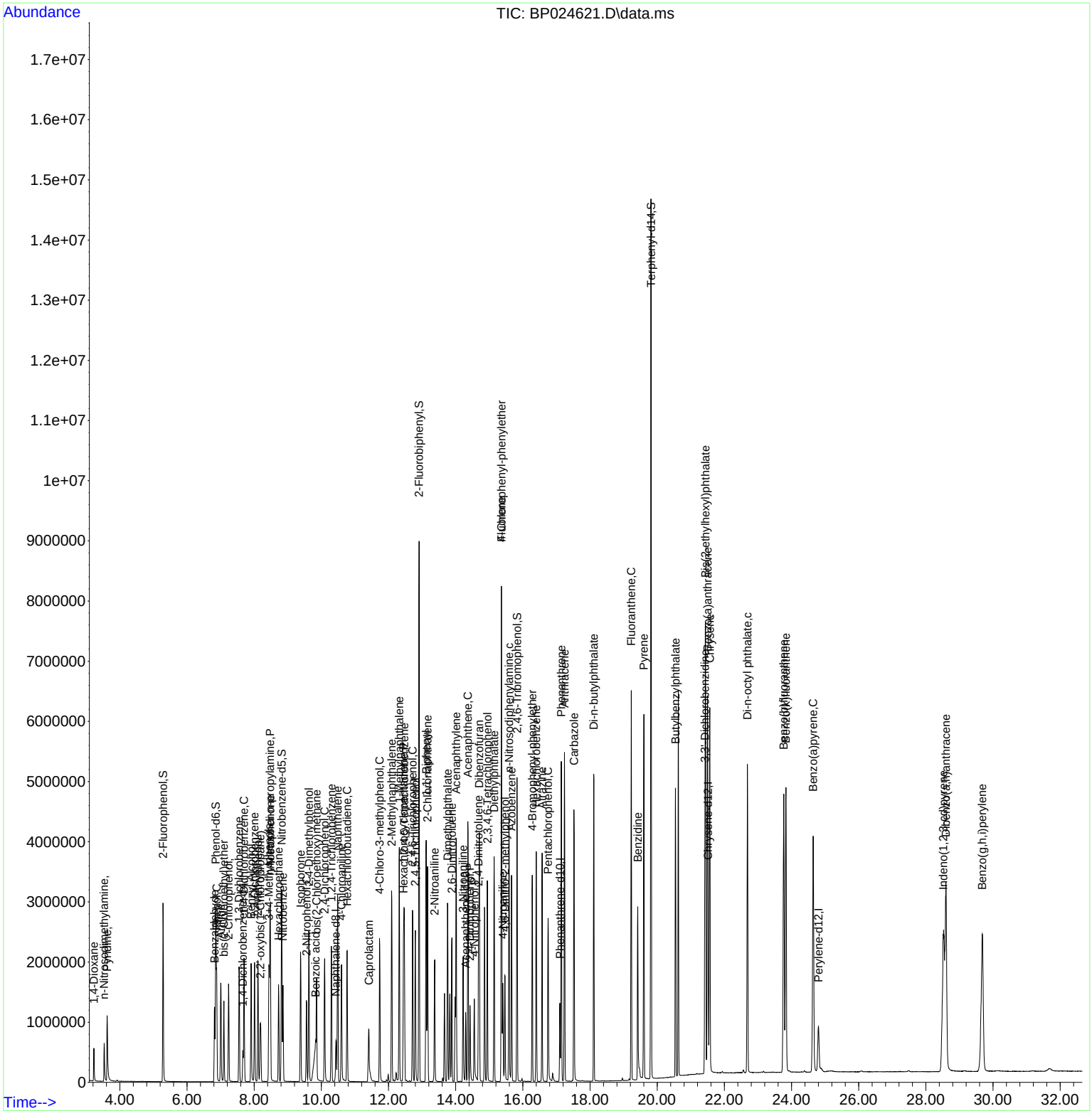
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024621.D
Acq On : 13 May 2025 15:26
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

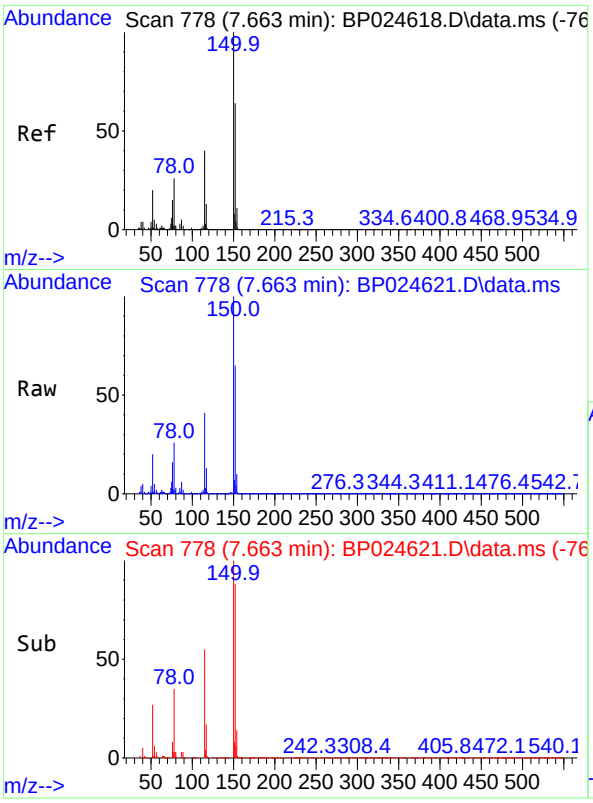
Quant Time: May 13 16:10:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

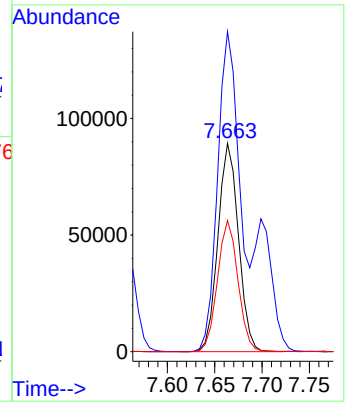





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:152 Resp: 13448

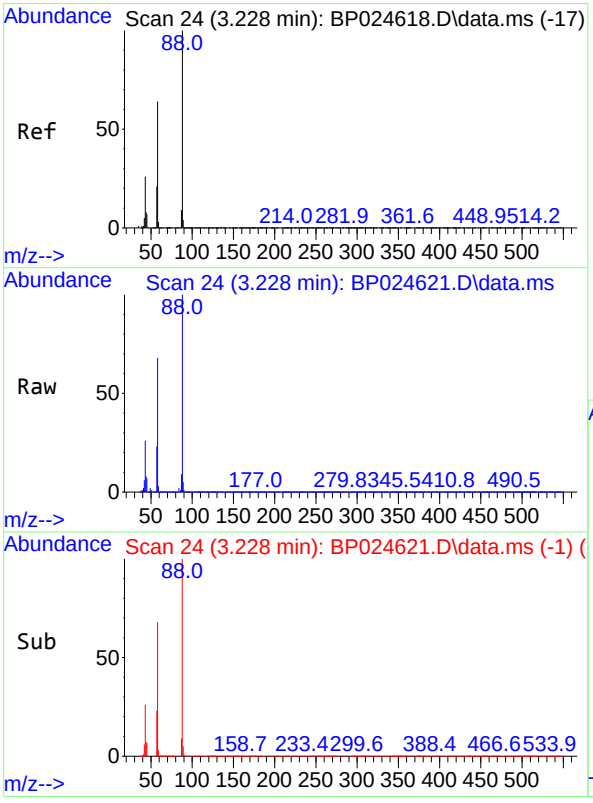
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.6 | 125.9 | 188.9 |
| 115 | 63.0 | 50.1 | 75.1 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

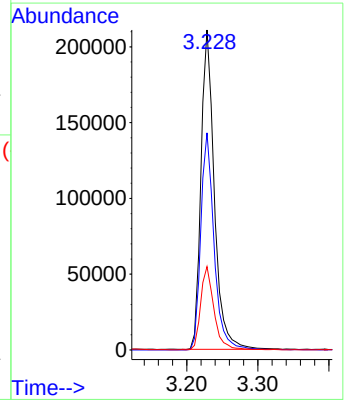
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

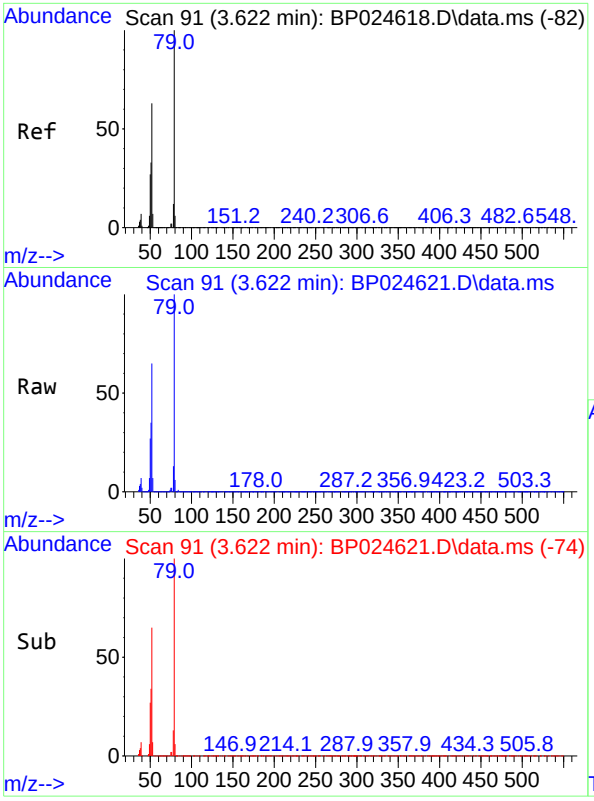



#2
1,4-Dioxane
Concen: 74.70 ng
RT: 3.228 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 88 Resp: 275790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 68.0 | 54.0 | 81.0 |
| 43 | 26.1 | 21.4 | 32.0 |

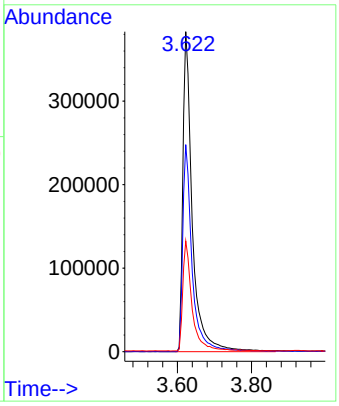





#3
Pyridine
Concen: 82.98 ng
RT: 3.622 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 79 Resp: 67936

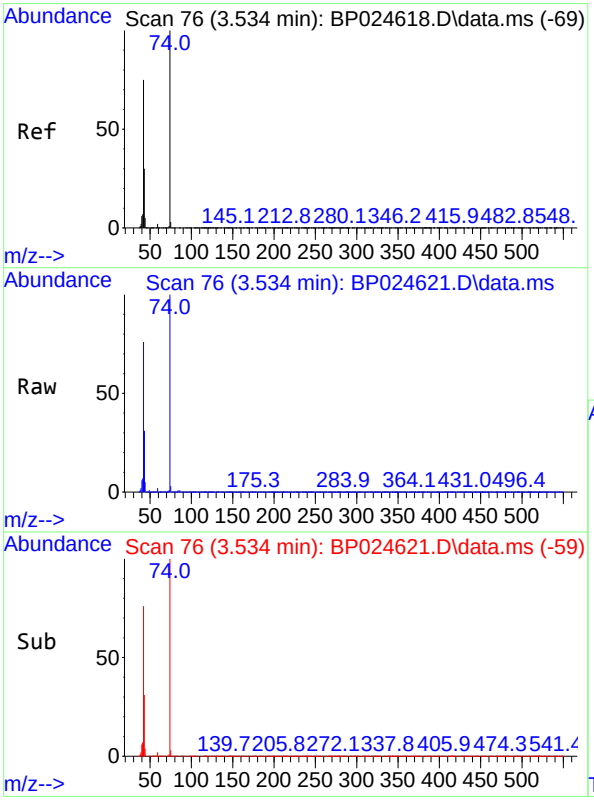
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 64.7 | 50.2 | 75.2 |
| 51 | 34.6 | 26.8 | 40.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

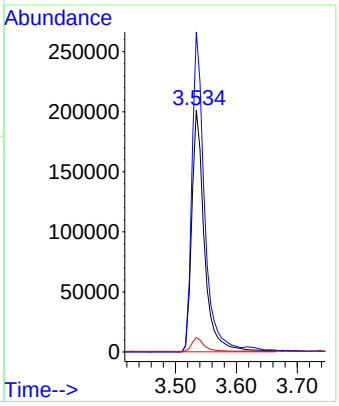
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

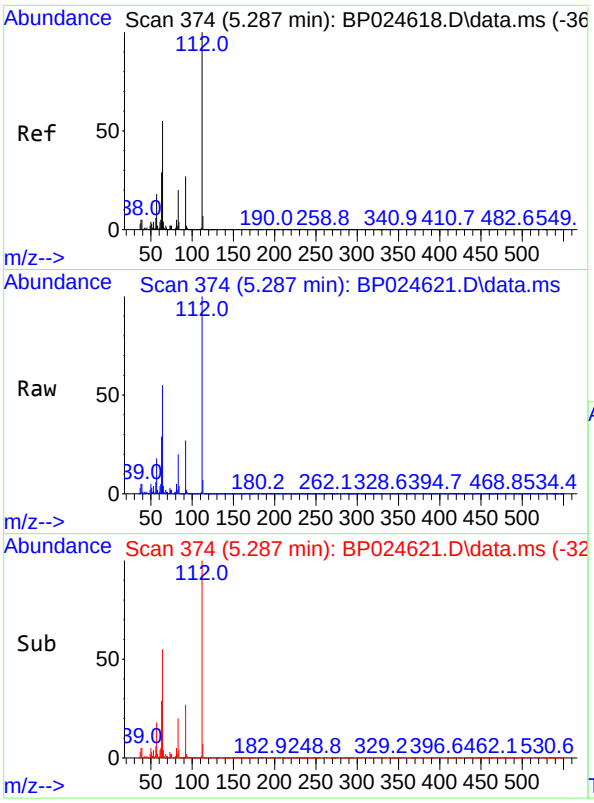



#4
n-Nitrosodimethylamine
Concen: 79.96 ng
RT: 3.534 min Scan# 76
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 42 Resp: 289012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 132.2 | 106.2 | 159.2 |
| 44 | 6.0 | 5.4 | 8.2 |

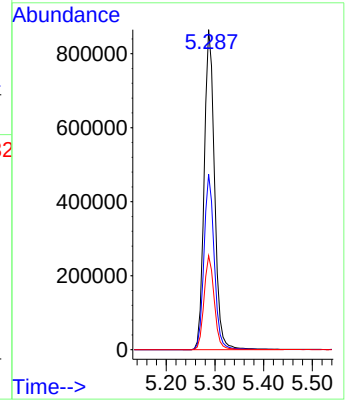





#5
2-Fluorophenol
Concen: 163.25 ng
RT: 5.287 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:112 Resp: 128358

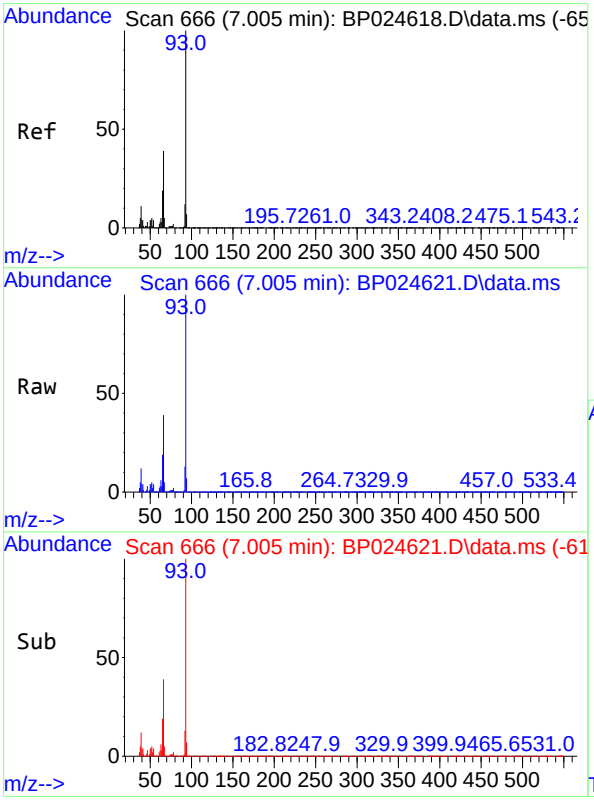
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.8 | 44.1 | 66.1 |
| 63 | 29.4 | 23.5 | 35.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

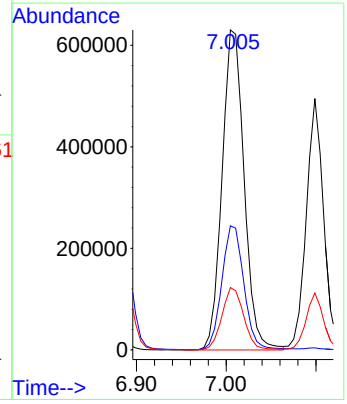
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

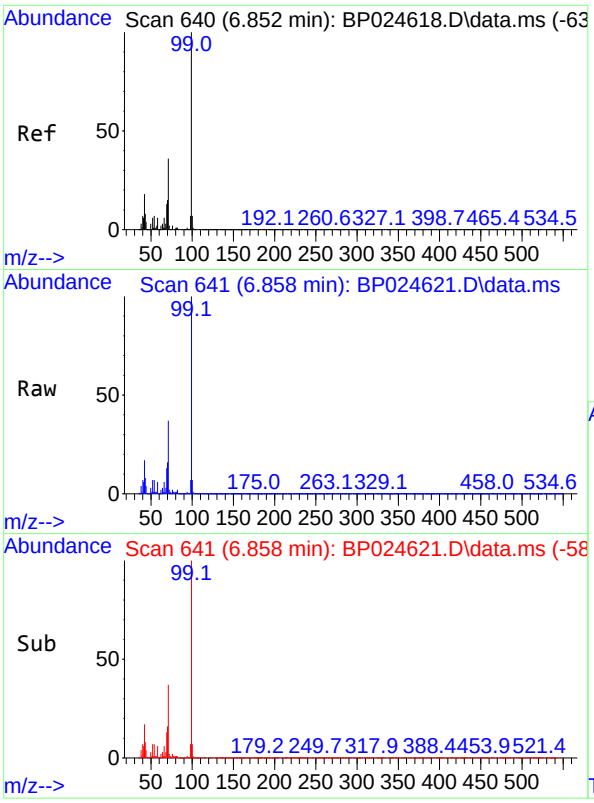



#6
Aniline
Concen: 82.99 ng
RT: 7.005 min Scan# 666
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 93 Resp: 1075238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 38.8 | 31.0 | 46.6 |
| 65 | 19.5 | 15.5 | 23.3 |

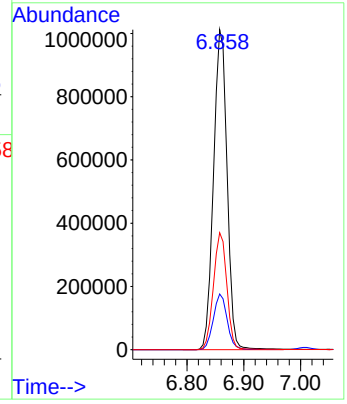





#7
Phenol-d6
Concen: 166.42 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 99 Resp: 167003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.4 | 14.4 | 21.6 |
| 71 | 36.6 | 29.2 | 43.8 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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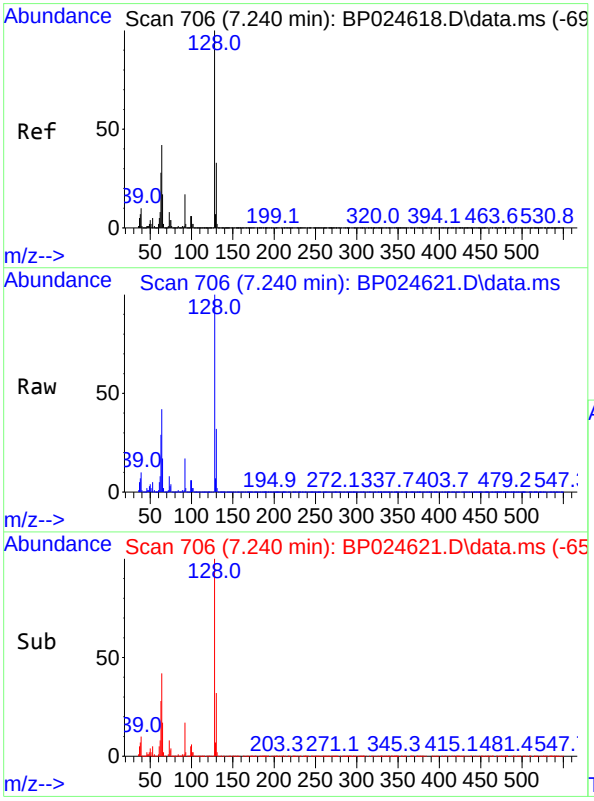
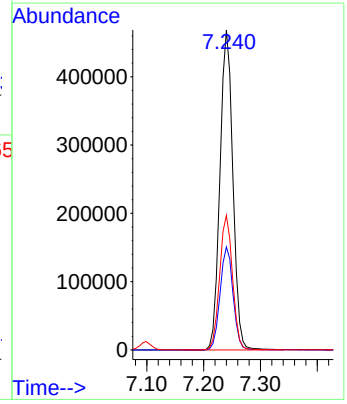
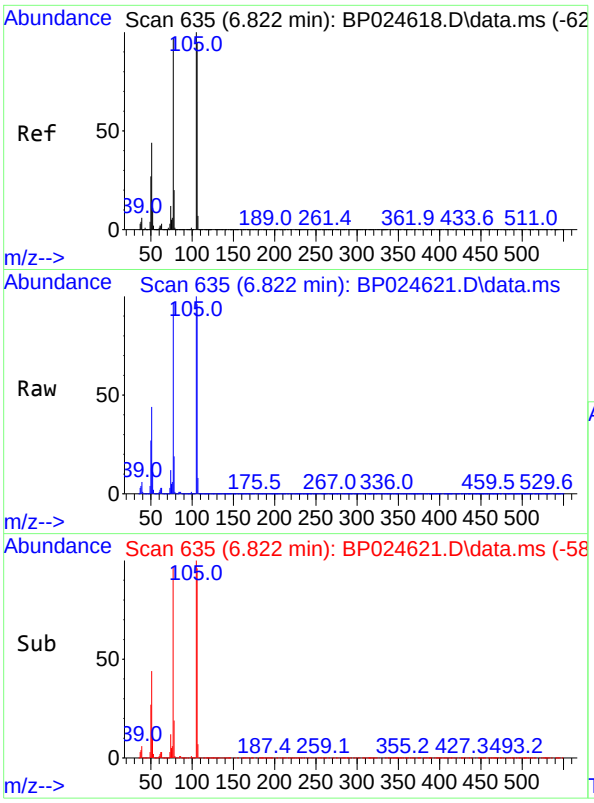



#8
2-Chlorophenol
Concen: 82.91 ng
RT: 7.240 min Scan# 706
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:128 Resp: 740005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.2 | 13.0 | 53.0 |
| 64 | 42.1 | 22.3 | 62.3 |

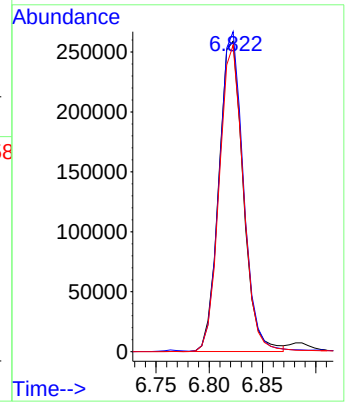





#9
Benzaldehyde
Concen: 63.54 ng
RT: 6.822 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 77 Resp: 41202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 103.1 | 83.3 | 123.3 |
| 106 | 98.7 | 78.0 | 118.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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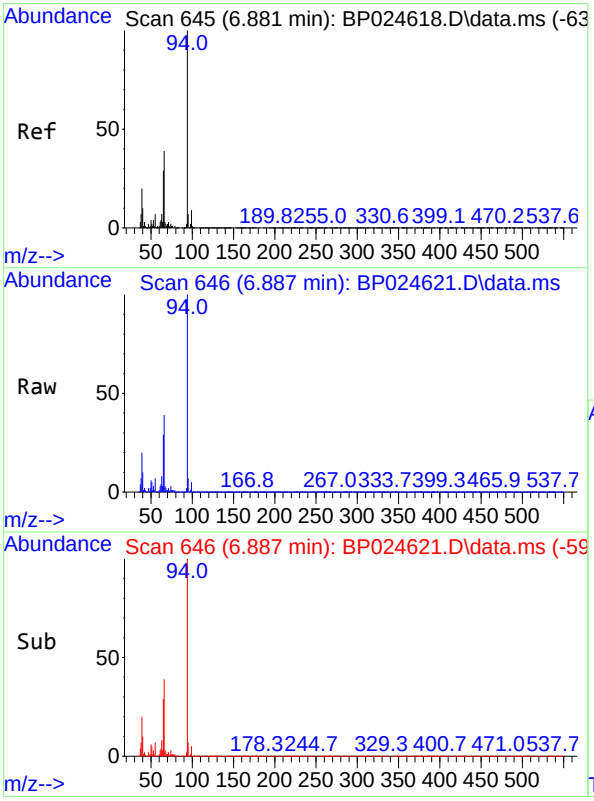
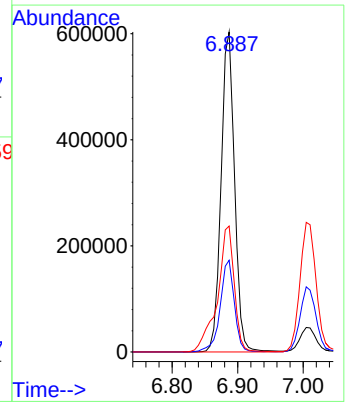
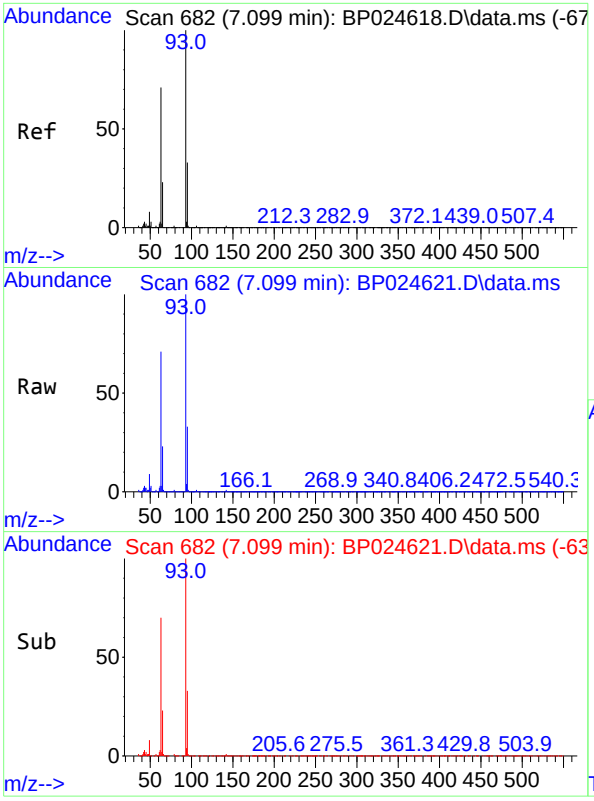



#10
Phenol
Concen: 82.95 ng
RT: 6.887 min Scan# 646
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 94 Resp: 859122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.6 | 8.7 | 48.7 |
| 66 | 39.3 | 19.4 | 59.4 |

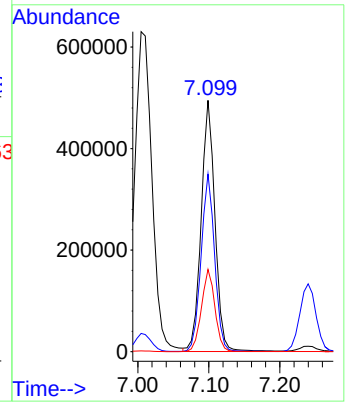





#11
bis(2-Chloroethyl)ether
Concen: 78.79 ng
RT: 7.099 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 93 Resp: 67057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 70.6 | 50.6 | 90.6 |
| 95 | 32.7 | 12.9 | 52.9 |




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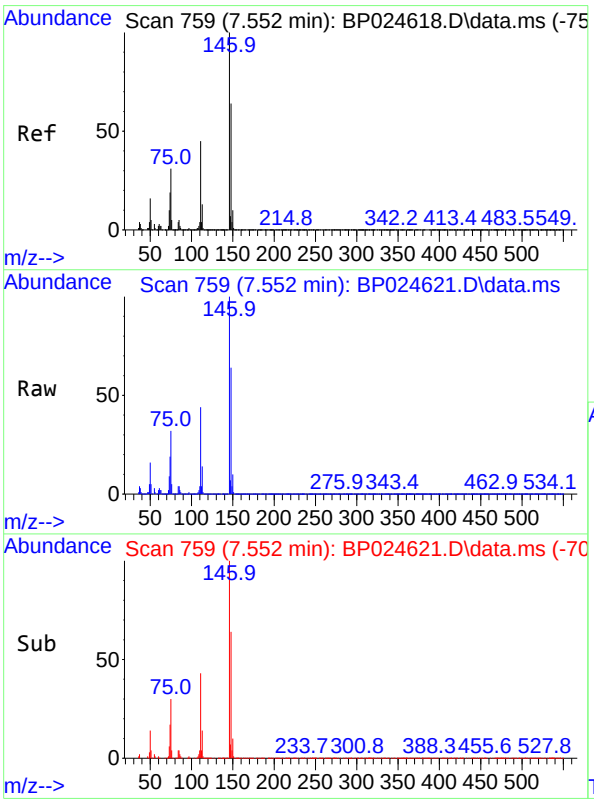
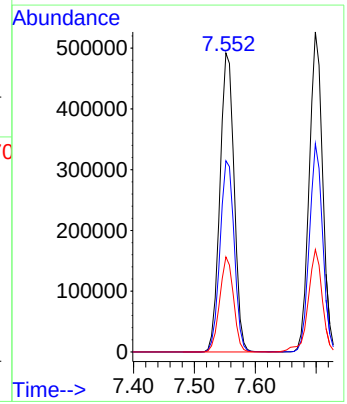
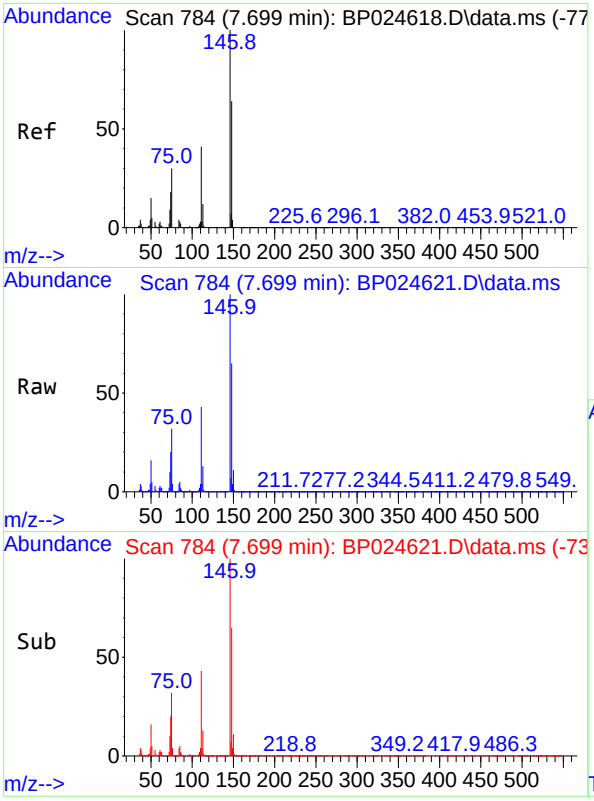



#12
1,3-Dichlorobenzene
Concen: 77.51 ng
RT: 7.552 min Scan# 759
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:146 Resp: 795953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 51.4 | 77.2 |
| 75 | 31.8 | 25.2 | 37.8 |

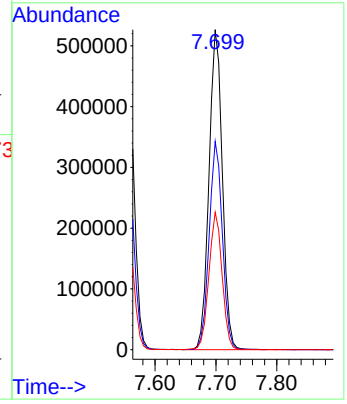





#13
1,4-Dichlorobenzene
Concen: 77.67 ng
RT: 7.699 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:146 Resp: 80218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.1 | 51.0 | 76.6 |
| 111 | 43.0 | 33.0 | 49.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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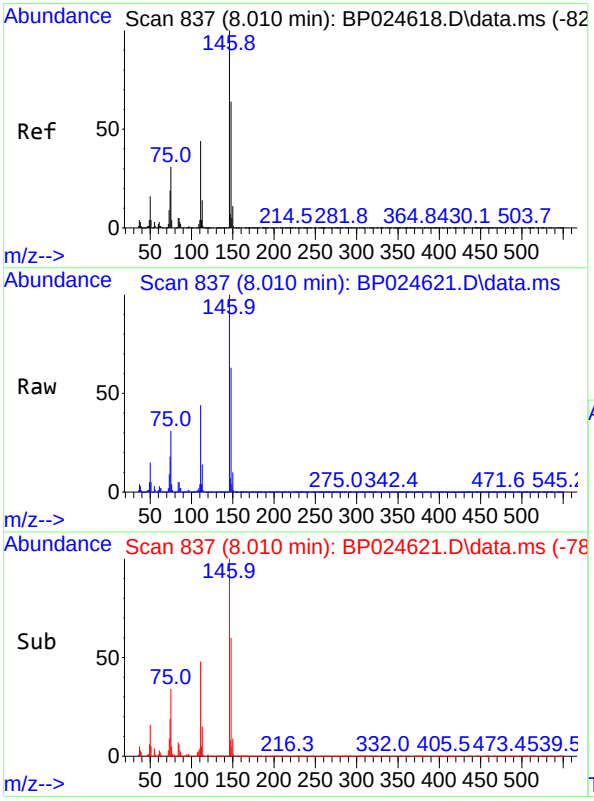
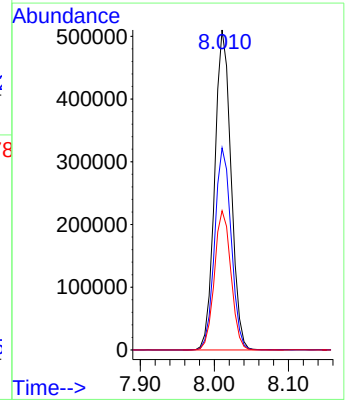
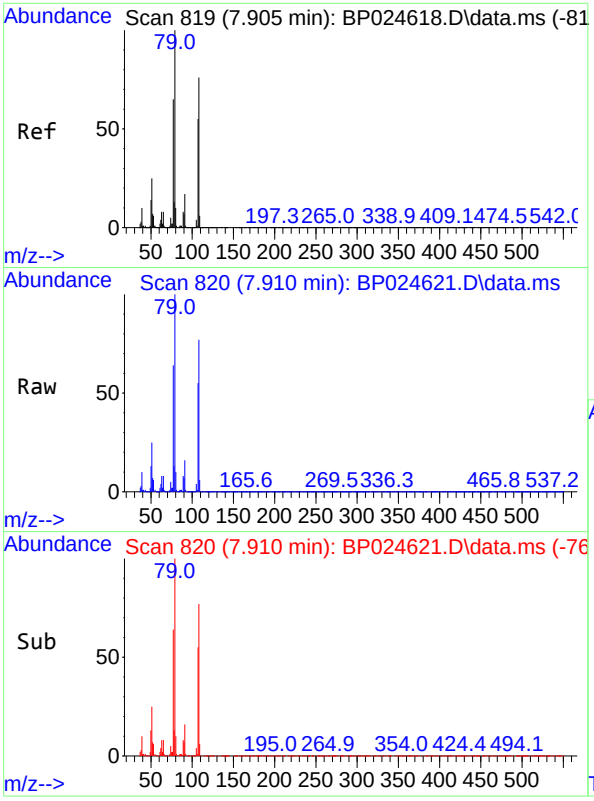



#14
1,2-Dichlorobenzene
Concen: 77.43 ng
RT: 8.010 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:146 Resp: 779316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.2 | 51.0 | 76.4 |
| 111 | 43.5 | 35.2 | 52.8 |






#15
Benzyl Alcohol
Concen: 87.16 ng
RT: 7.910 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 79 Resp: 66468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.7 | 60.8 | 91.2 |
| 77 | 63.9 | 51.9 | 77.9 |

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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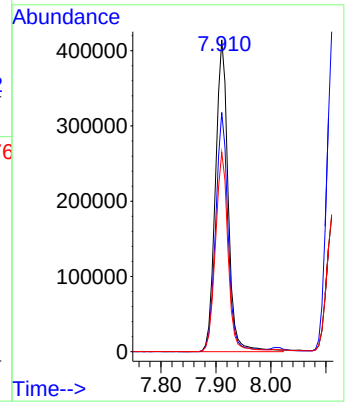
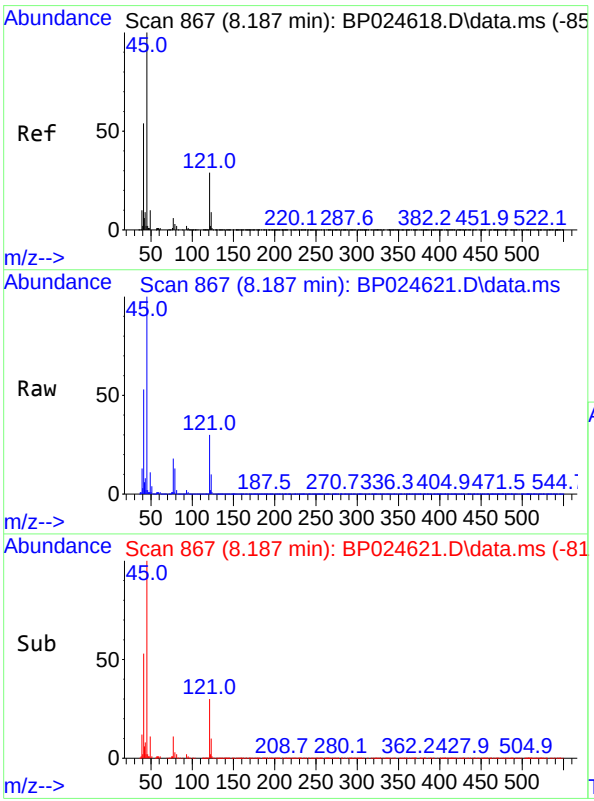
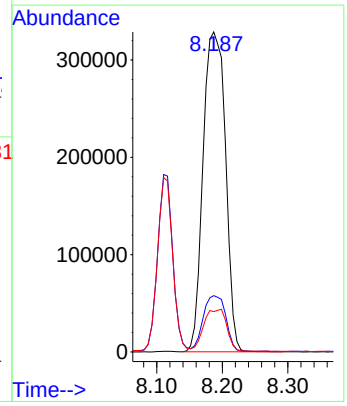


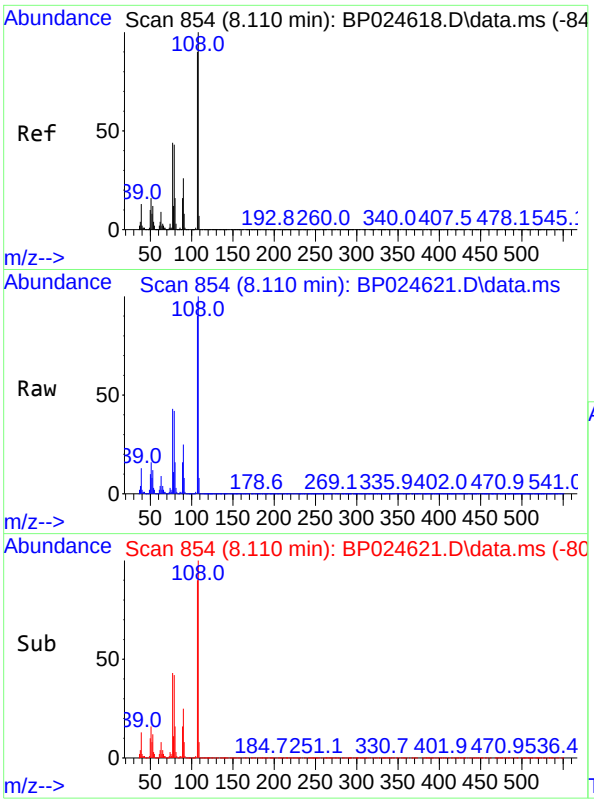




#16
2,2'-oxybis(1-Chloropropane)
Concen: 76.75 ng
RT: 8.187 min Scan# 867
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 45 Resp: 782240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 17.6 | 0.0 | 37.7 |
| 79 | 12.6 | 0.0 | 34.0 |

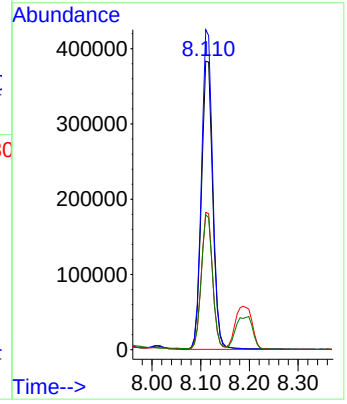





#17
2-Methylphenol
Concen: 83.58 ng
RT: 8.110 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:107 Resp: 62090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 110.9 | 88.9 | 133.3 |
| 77 | 47.6 | 39.0 | 58.6 |
| 79 | 46.7 | 38.4 | 57.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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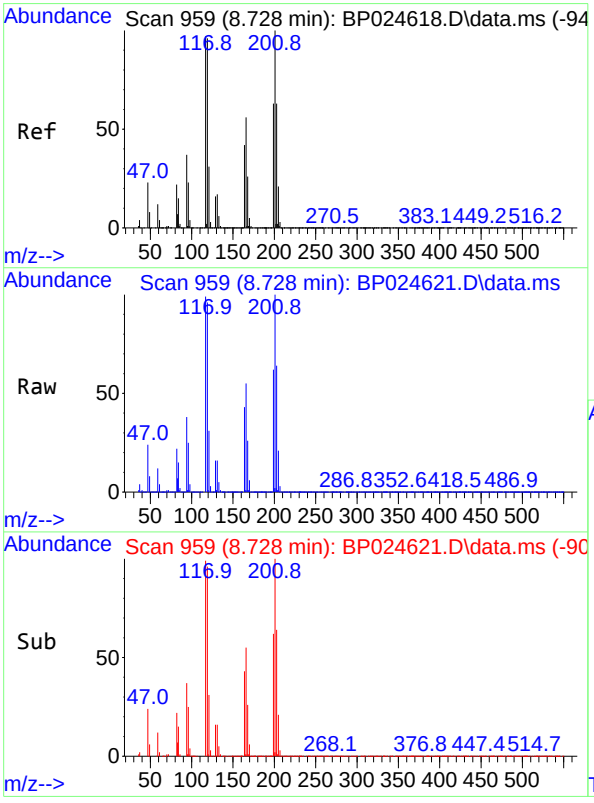
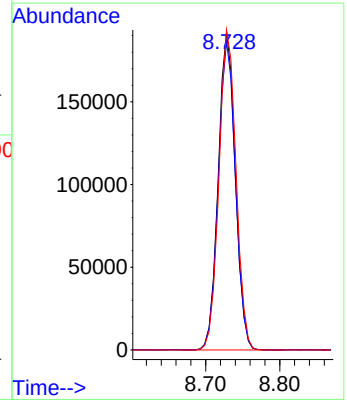
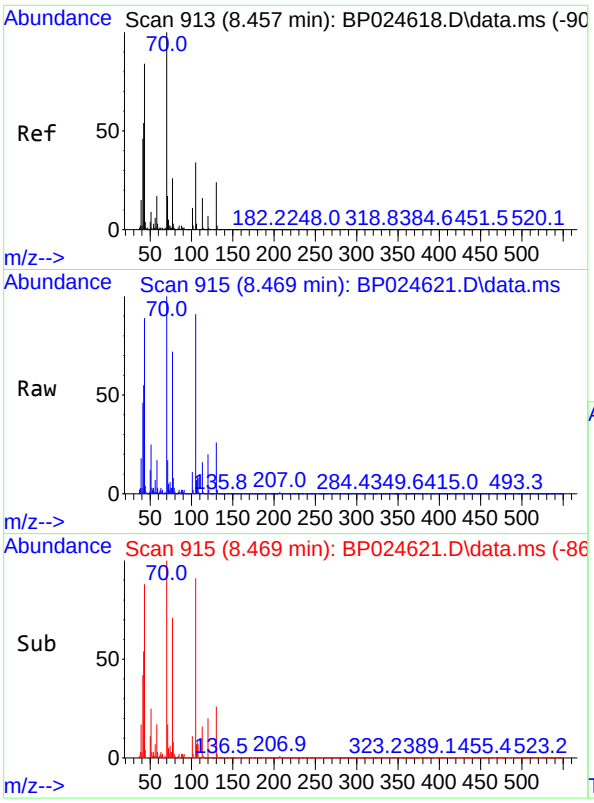



#18
Hexachloroethane
Concen: 77.52 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:117 Resp: 306812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.9 | 79.4 | 119.0 |
| 201 | 100.5 | 82.7 | 124.1 |

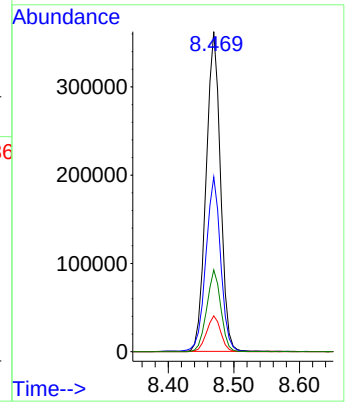





#19
n-Nitroso-di-n-propylamine
Concen: 79.50 ng
RT: 8.469 min Scan# 9
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 70 Resp: 55184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 54.6 | 43.0 | 64.6 |
| 101 | 11.2 | 8.7 | 13.1 |
| 130 | 25.6 | 19.4 | 29.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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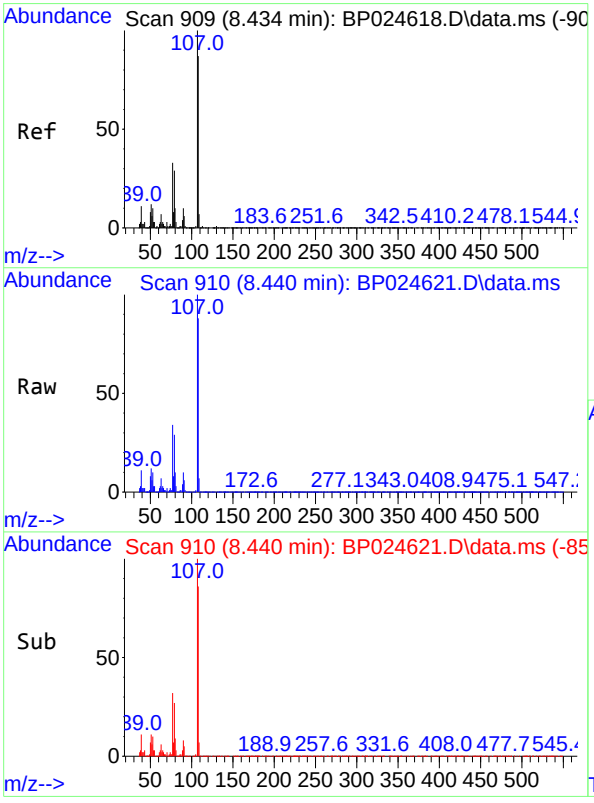
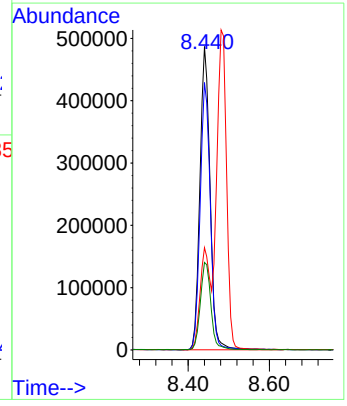
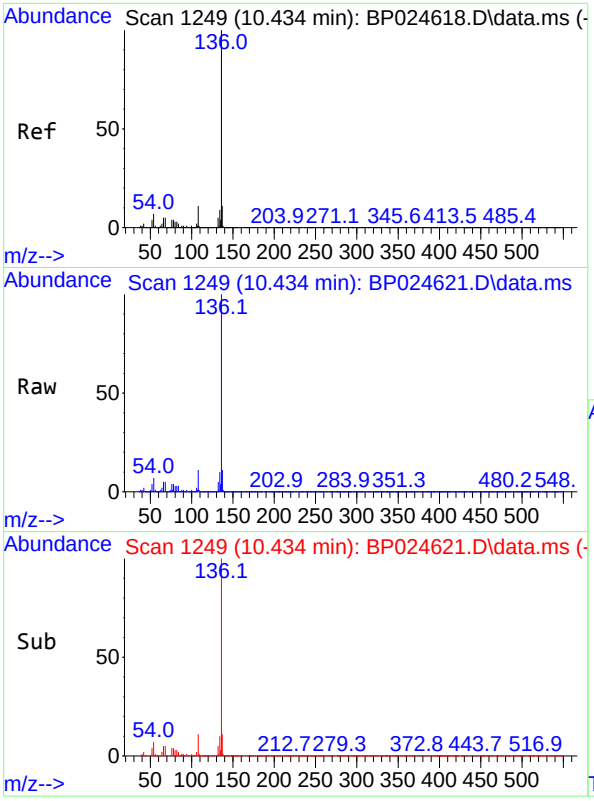



#20
3+4-Methylphenols
Concen: 84.32 ng
RT: 8.440 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:107 Resp: 852078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.1 | 66.7 | 106.7 |
| 77 | 33.7 | 13.1 | 53.1 |
| 79 | 28.8 | 8.9 | 48.9 |

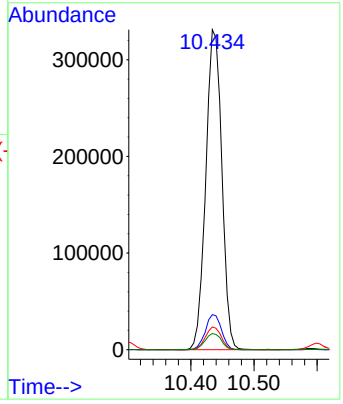





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:136 Resp: 58432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.8 | 13.2 |
| 54 | 7.1 | 5.5 | 8.3 |
| 68 | 5.1 | 4.2 | 6.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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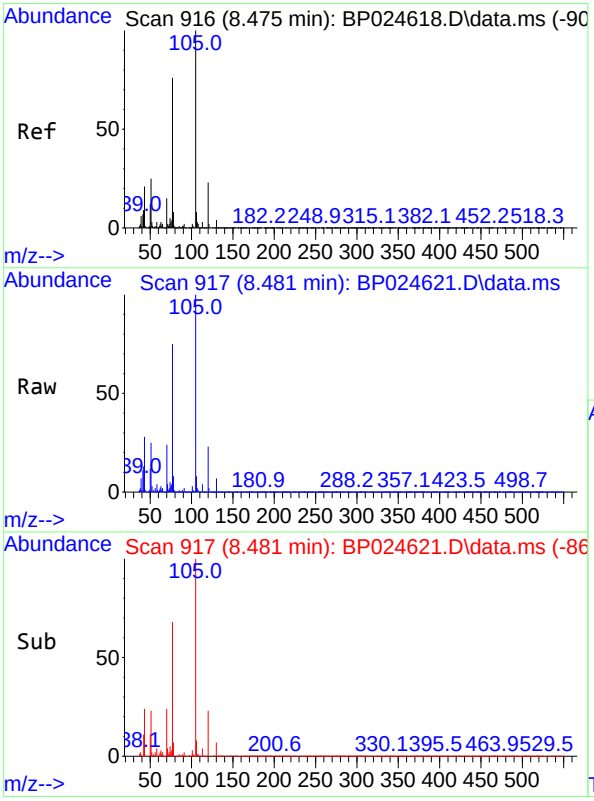
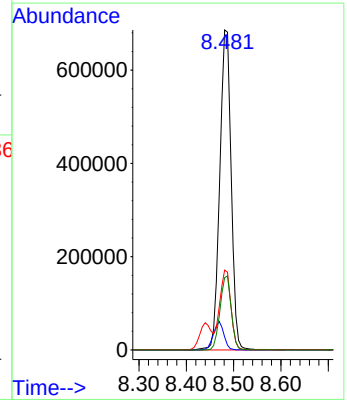
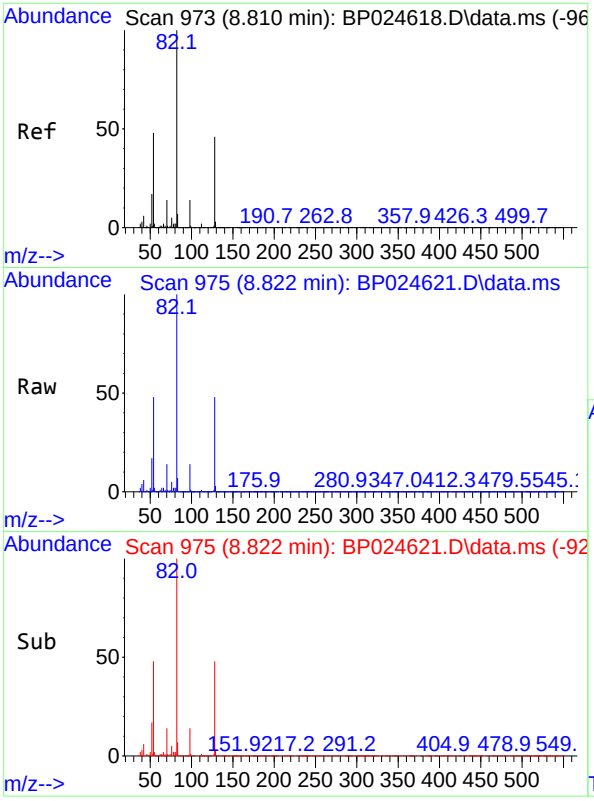



#22
Acetophenone
Concen: 78.62 ng
RT: 8.481 min Scan# 917
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:105 Resp: 1147610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 4.0 | 2.0 | 3.0# |
| 51 | 25.0 | 20.4 | 30.6 |
| 120 | 22.6 | 18.1 | 27.1 |

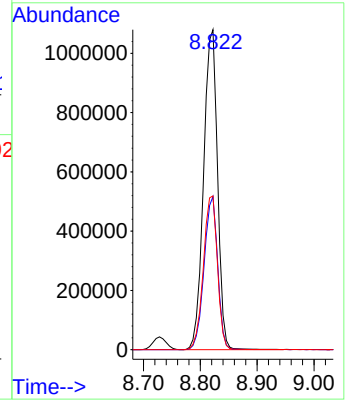





#23
Nitrobenzene-d5
Concen: 159.12 ng
RT: 8.822 min Scan# 9
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 82 Resp: 184018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.8 | 37.0 | 55.4 |
| 54 | 48.0 | 38.7 | 58.1 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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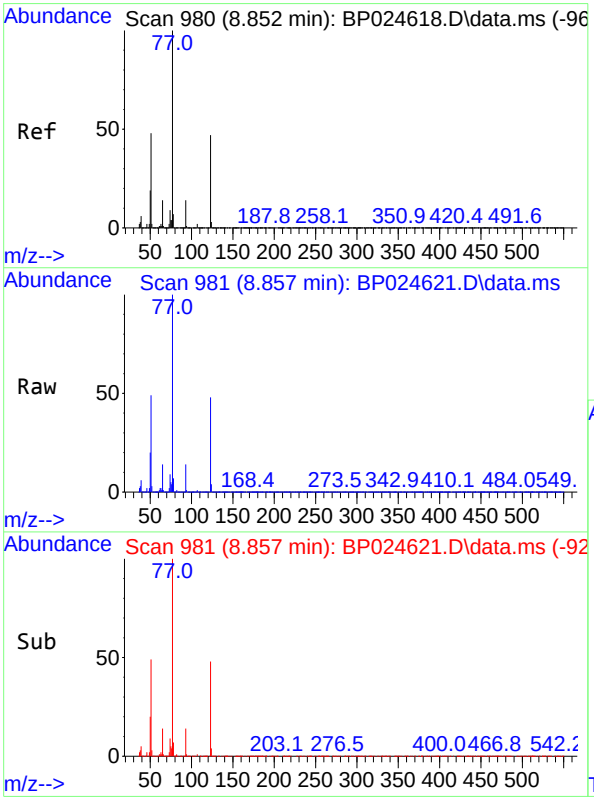
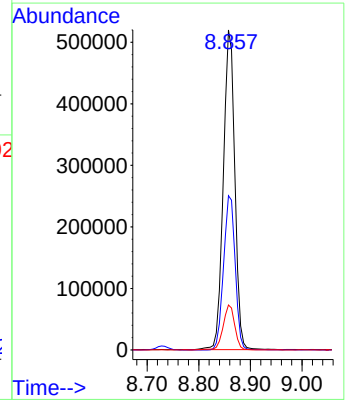
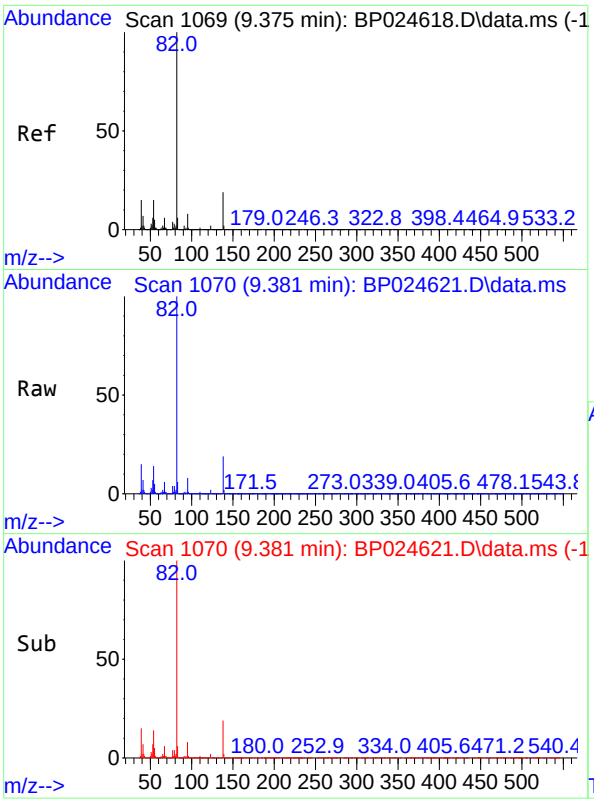



#24
Nitrobenzene
Concen: 79.02 ng
RT: 8.857 min Scan# 981
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 77 Resp: 804153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 48.2 | 37.4 | 56.0 |
| 65 | 14.0 | 11.3 | 16.9 |

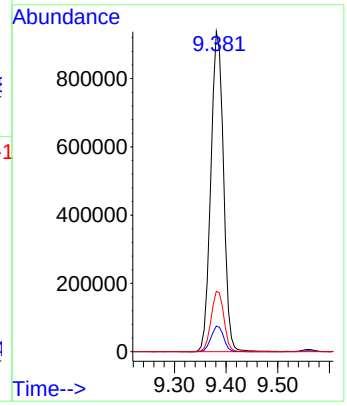





#25
Isophorone
Concen: 79.42 ng
RT: 9.381 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 82 Resp: 159323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.0 | 6.3 | 9.5 |
| 138 | 18.9 | 15.3 | 22.9 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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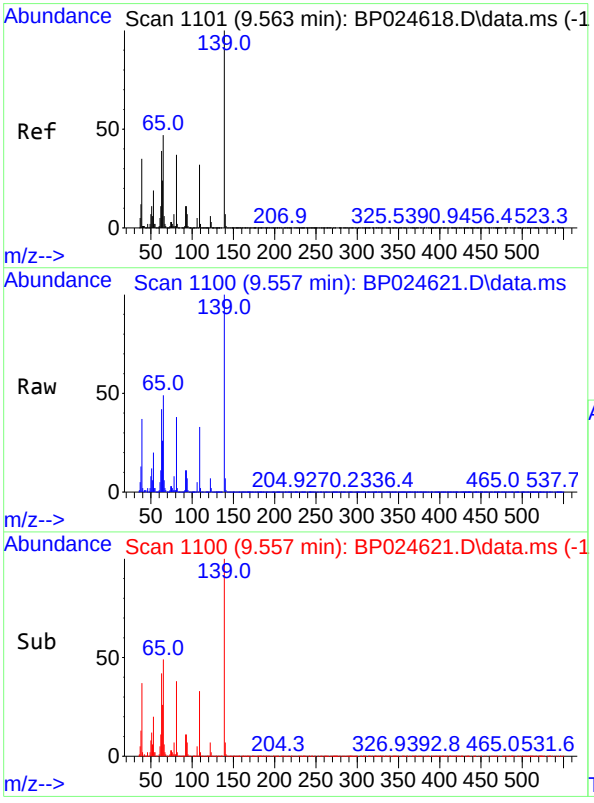
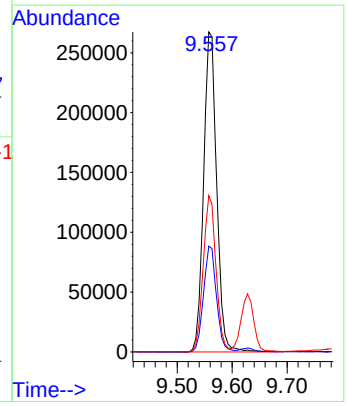
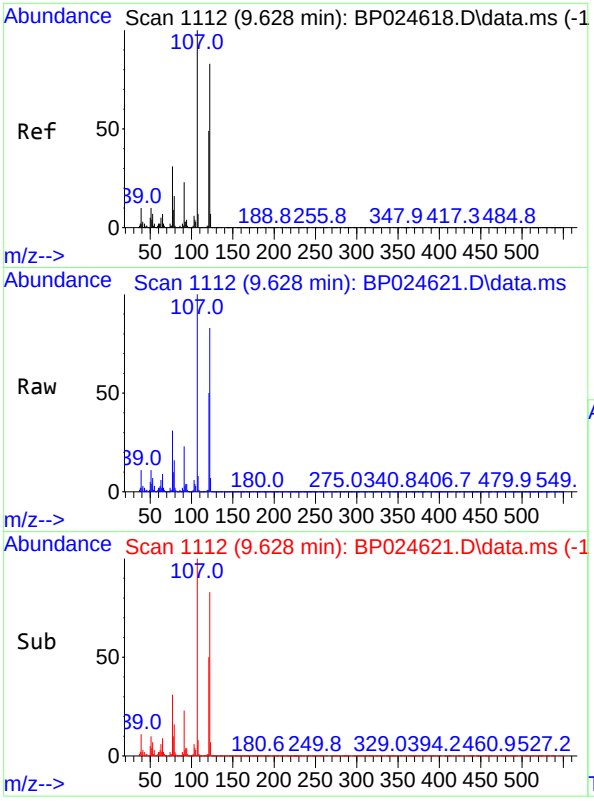



#26
2-Nitrophenol
Concen: 88.67 ng
RT: 9.557 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:139 Resp: 442185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 33.1 | 25.9 | 38.9 |
| 65 | 48.8 | 37.9 | 56.9 |

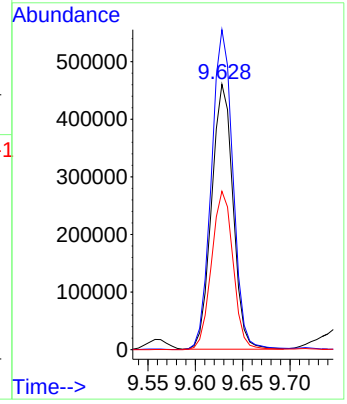





#27
2,4-Dimethylphenol
Concen: 82.17 ng
RT: 9.628 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:122 Resp: 72243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 120.6 | 96.2 | 144.2 |
| 121 | 59.7 | 47.6 | 71.4 |




**Instrument :**
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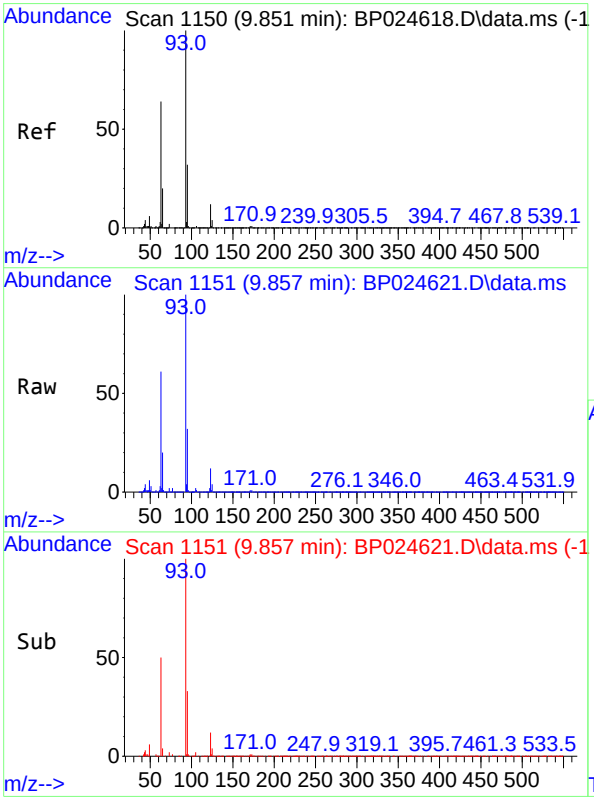
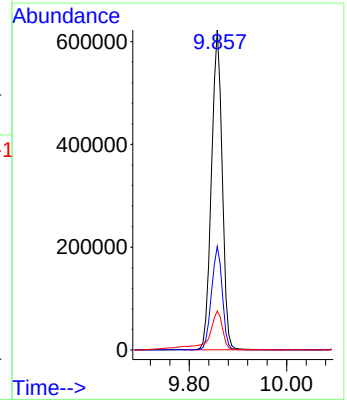
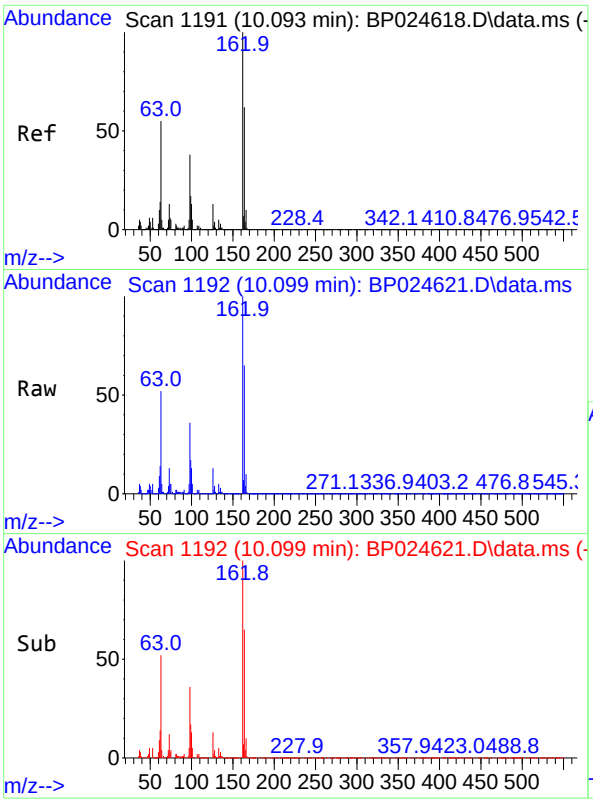



#28
bis(2-Chloroethoxy)methane
Concen: 78.98 ng
RT: 9.857 min Scan# 1151
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 93 Resp: 946615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.4 | 25.5 | 38.3 |
| 123 | 12.2 | 9.7 | 14.5 |






#29
2,4-Dichlorophenol
Concen: 84.70 ng
RT: 10.099 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:162 Resp: 72170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 65.1 | 42.3 | 82.3 |
| 98 | 36.5 | 18.4 | 58.4 |

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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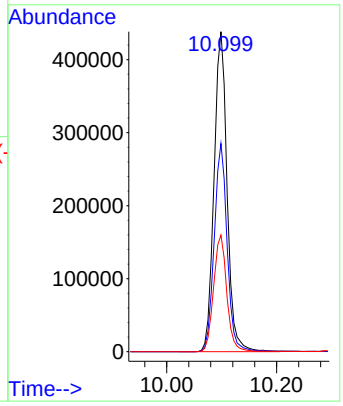
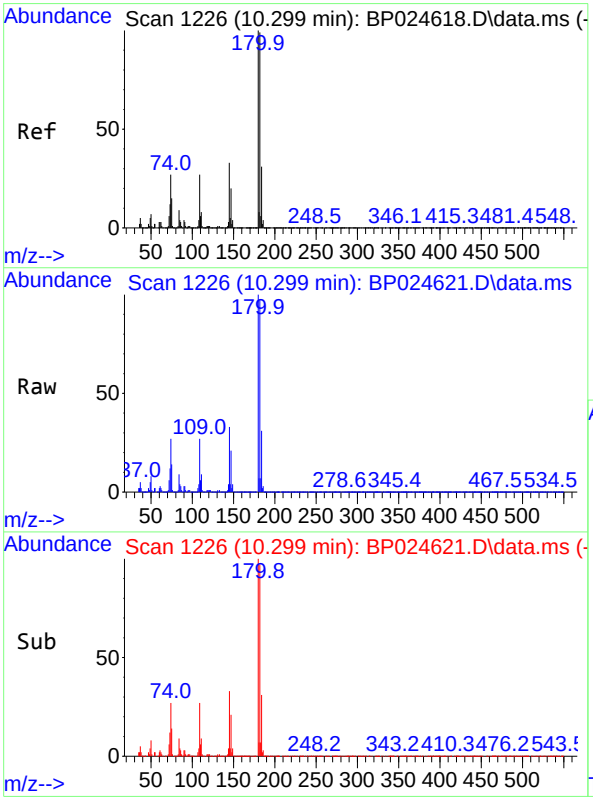
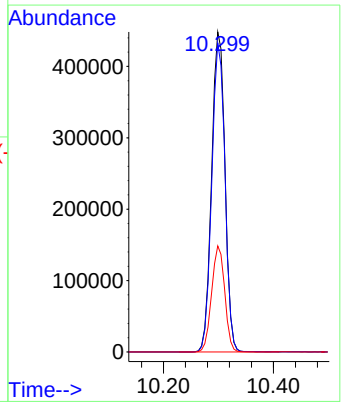


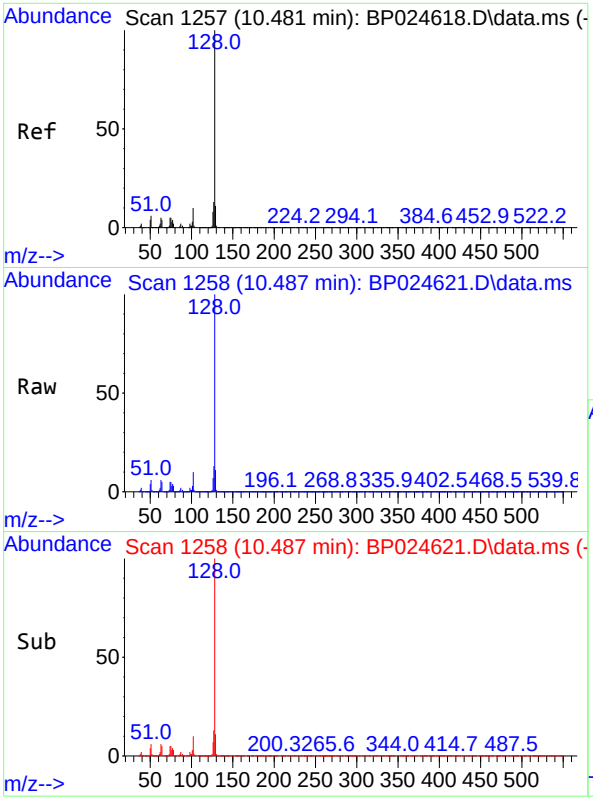




#30
1,2,4-Trichlorobenzene
Concen: 78.69 ng
RT: 10.299 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:180 Resp: 755529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.5 | 79.0 | 118.4 |
| 145 | 33.1 | 26.6 | 39.8 |

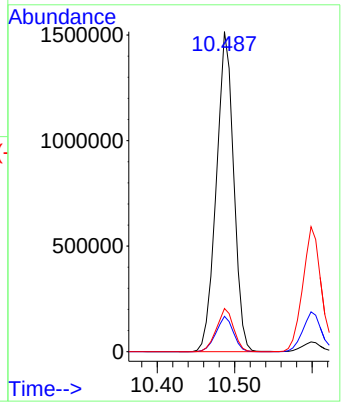





#31
Naphthalene
Concen: 77.77 ng
RT: 10.487 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:128 Resp: 235478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.8 | 13.2 |
| 127 | 13.5 | 10.7 | 16.1 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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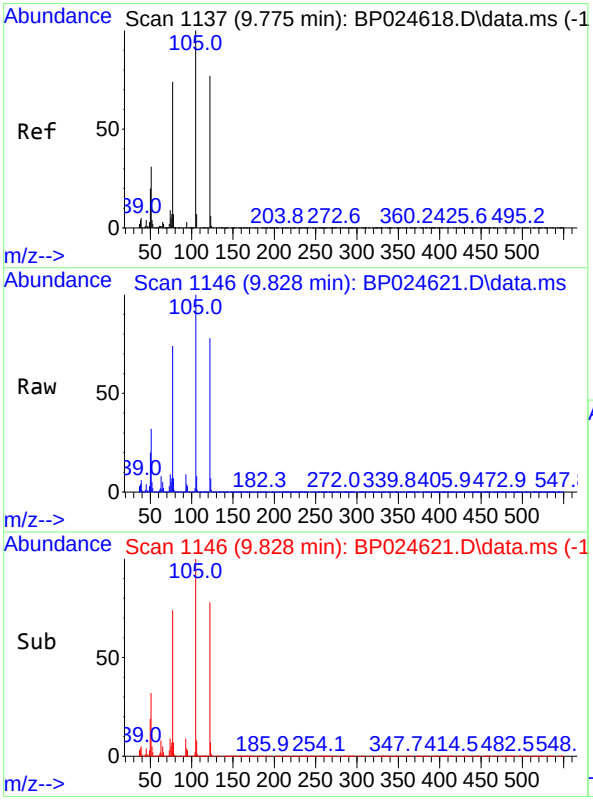
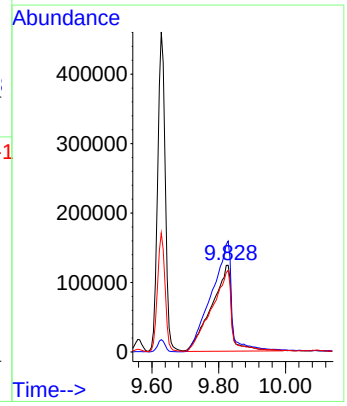
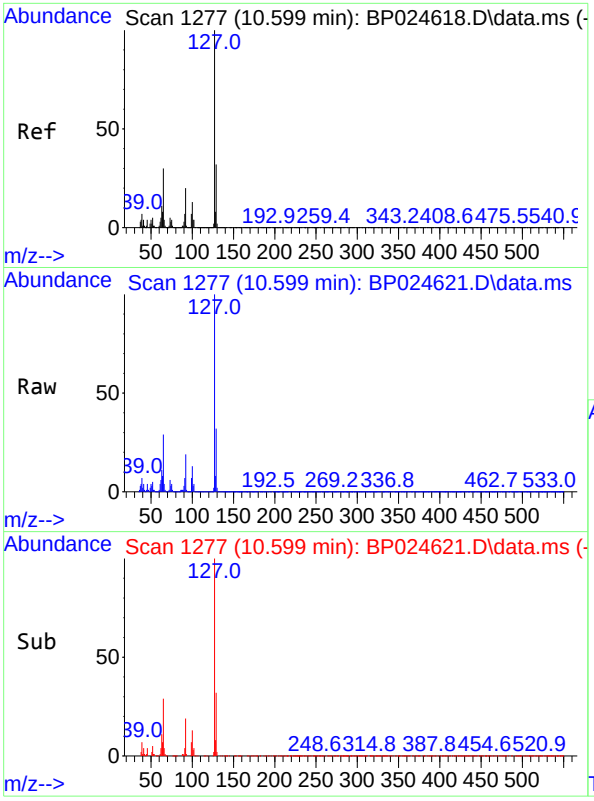



#32
Benzoic acid
Concen: 80.15 ng
RT: 9.828 min Scan# 1146
Delta R.T. 0.053 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:122 Resp: 525308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 127.9 | 106.9 | 146.9 |
| 77 | 94.2 | 75.1 | 115.1 |

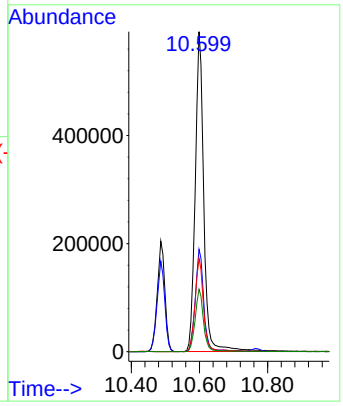





#33
4-Chloroaniline
Concen: 84.61 ng
RT: 10.599 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:127 Resp: 103386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.9 | 25.8 | 38.6 |
| 65 | 29.1 | 23.9 | 35.9 |
| 92 | 19.5 | 16.1 | 24.1 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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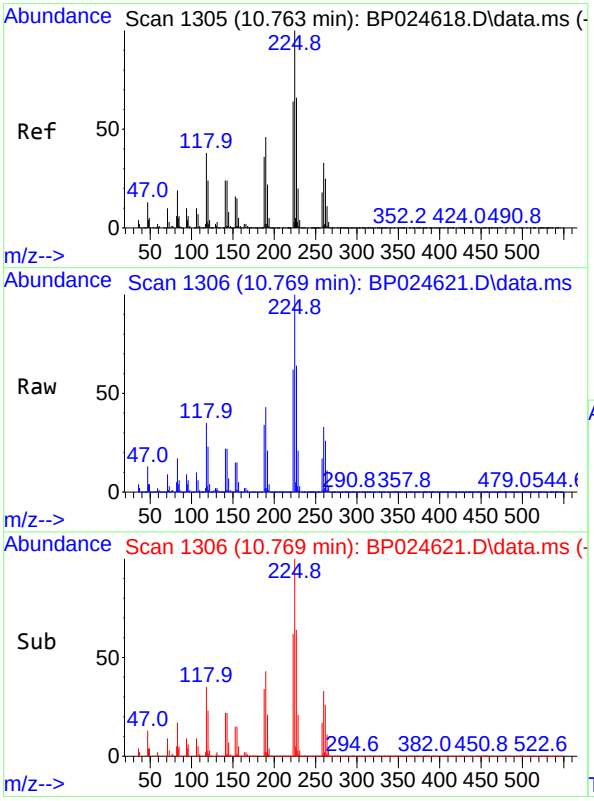
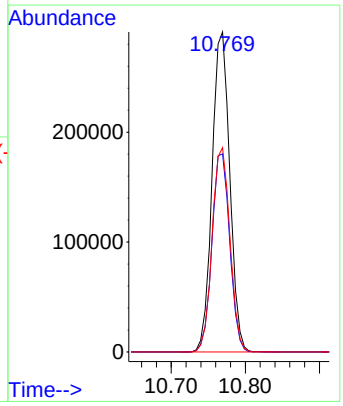
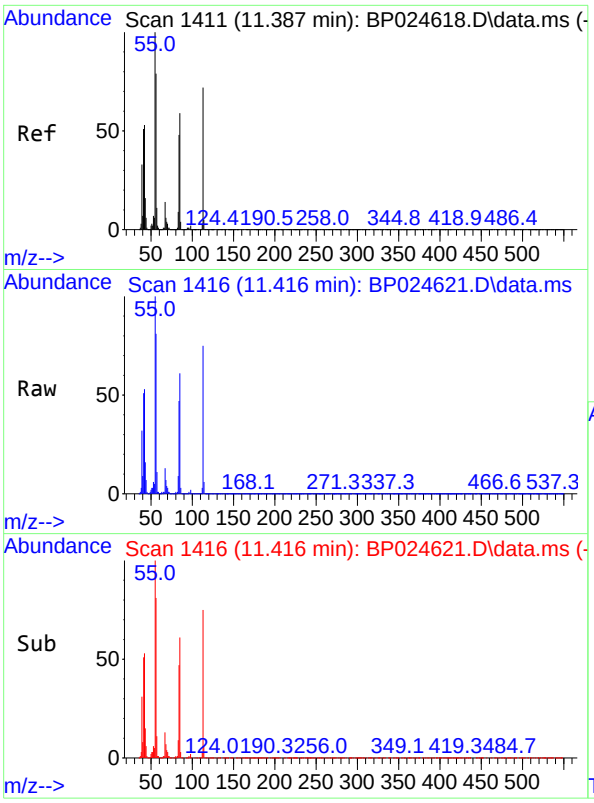



#34
Hexachlorobutadiene
Concen: 77.35 ng
RT: 10.769 min Scan# 1306
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:225 Resp: 481140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.9 | 51.0 | 76.6 |
| 227 | 63.8 | 53.1 | 79.7 |






#35
Caprolactam
Concen: 83.50 ng
RT: 11.416 min Scan# 14
Delta R.T. 0.029 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:113 Resp: 25725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 133.3 | 119.0 | 159.0 |
| 56 | 107.8 | 90.3 | 130.3 |

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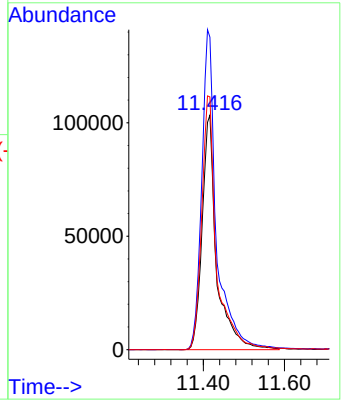
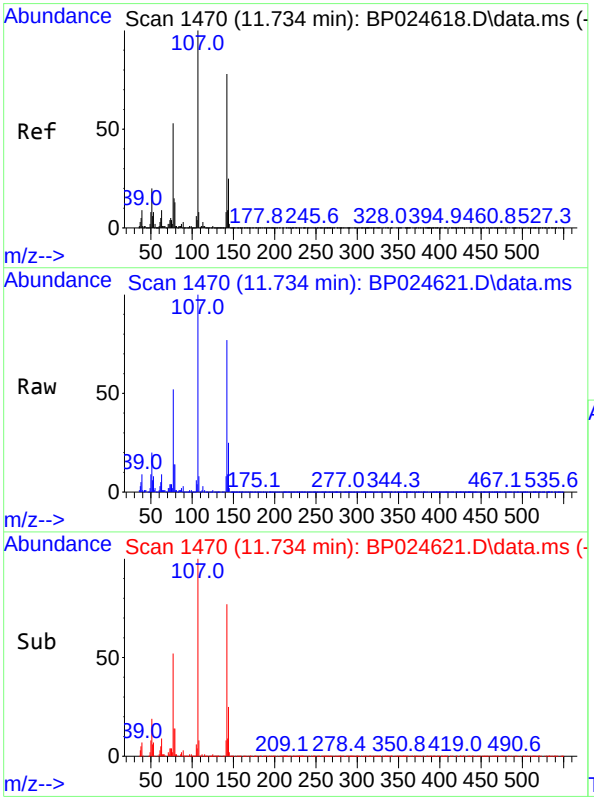
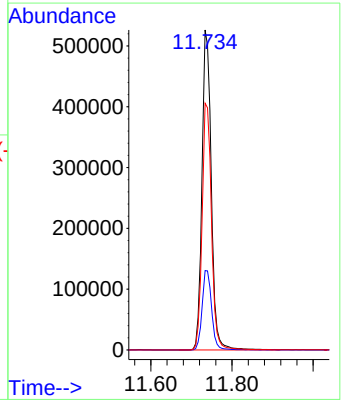


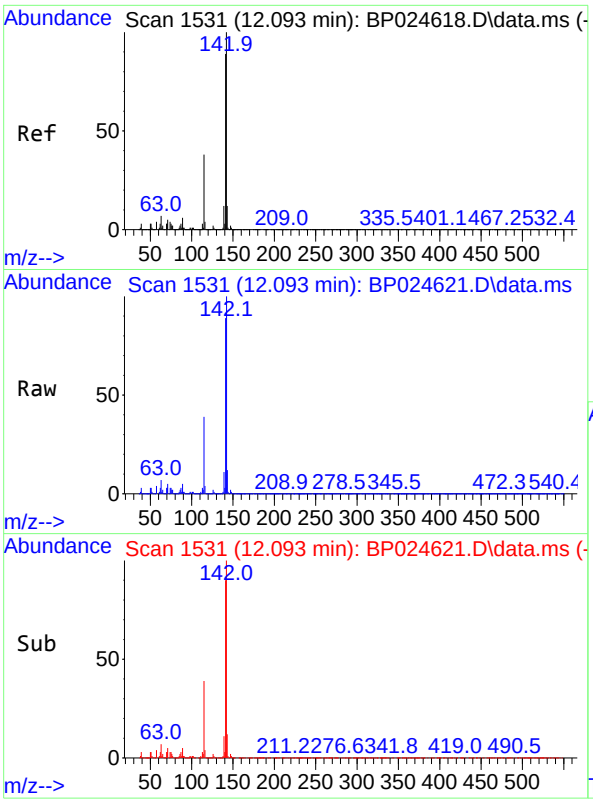




#36
4-Chloro-3-methylphenol
Concen: 80.74 ng
RT: 11.734 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:107 Resp: 838983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.8 | 20.1 | 30.1 |
| 142 | 77.1 | 62.1 | 93.1 |

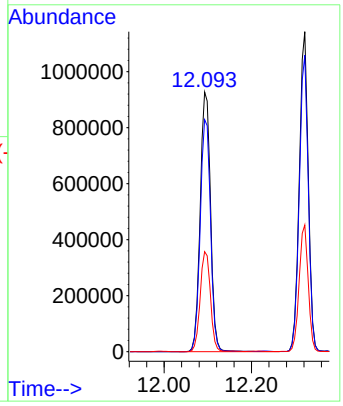





#37
2-Methylnaphthalene
Concen: 78.01 ng
RT: 12.093 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:142 Resp: 152944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.3 | 71.2 | 106.8 |
| 115 | 38.5 | 30.6 | 46.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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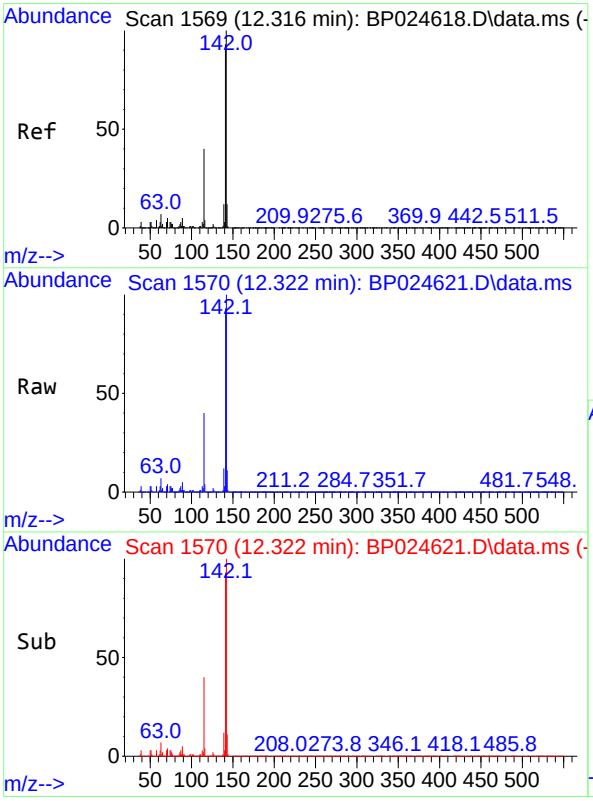
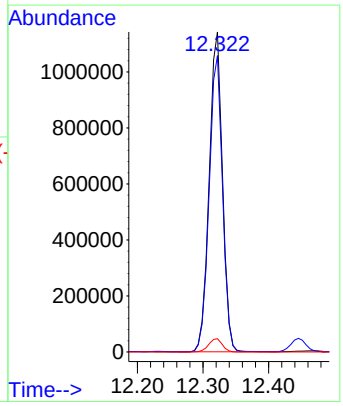
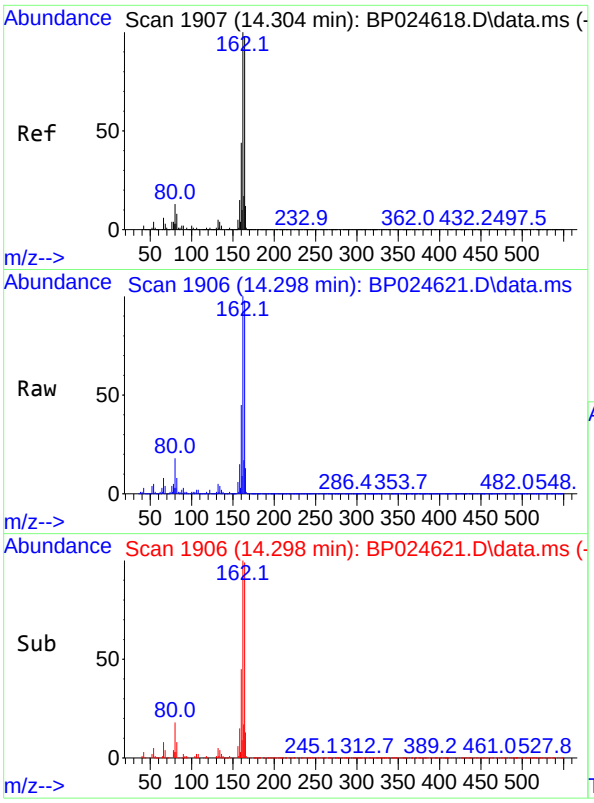



#38
1-Methylnaphthalene
Concen: 76.92 ng
RT: 12.322 min Scan# 1570
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:142 Resp: 1613775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.6 | 74.7 | 112.1 |
| 116 | 4.1 | 3.4 | 5.2 |

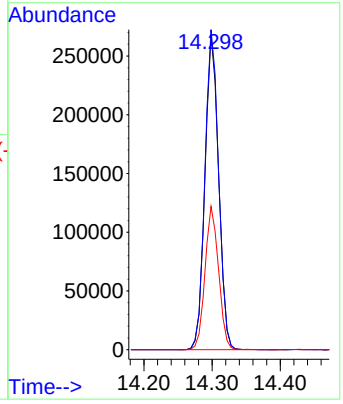





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.298 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:164 Resp: 37357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.5 | 81.8 | 122.6 |
| 160 | 45.5 | 36.3 | 54.5 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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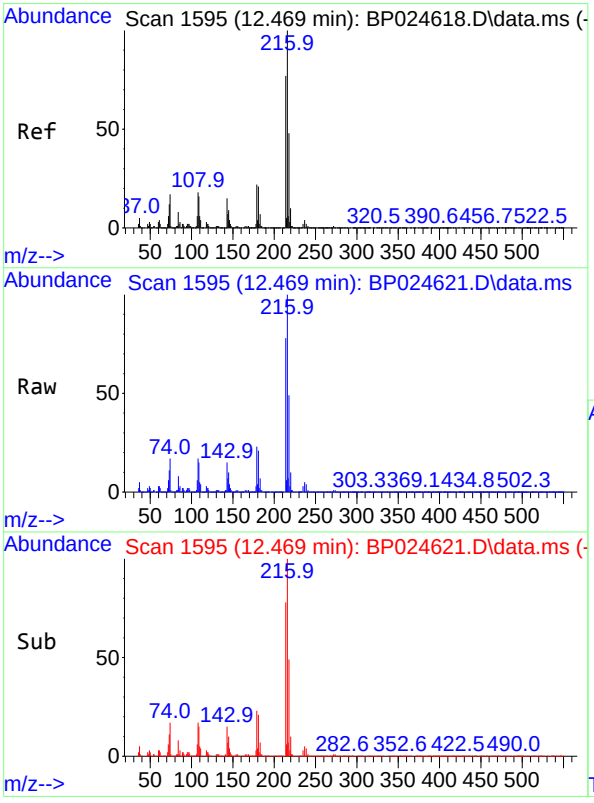
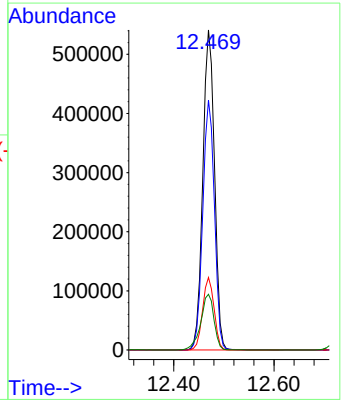
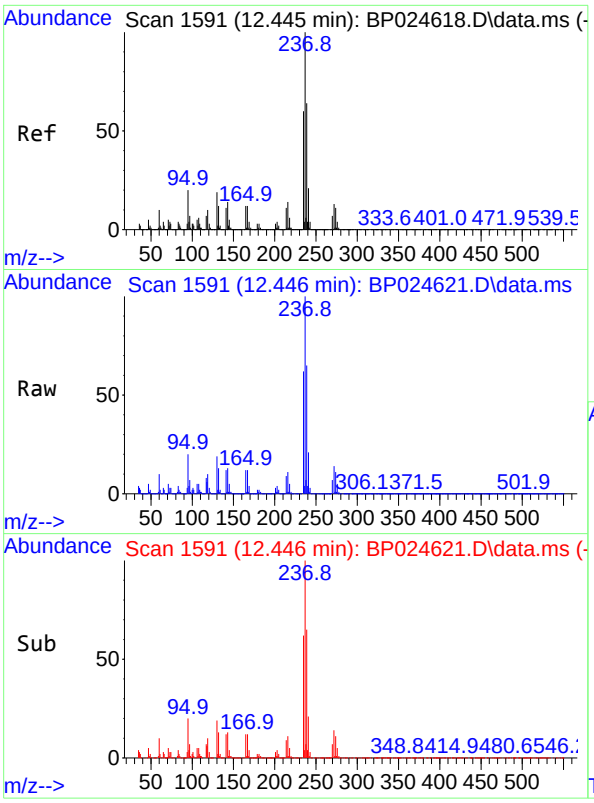



#40
1,2,4,5-Tetrachlorobenzene
Concen: 80.73 ng
RT: 12.469 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:216 Resp: 875750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.0 | 62.3 | 93.5 |
| 179 | 22.4 | 17.7 | 26.5 |
| 108 | 19.6 | 16.0 | 24.0 |

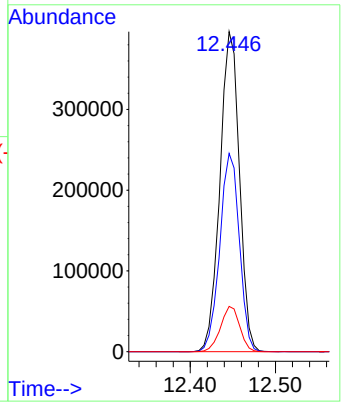





#41
Hexachlorocyclopentadiene
Concen: 95.54 ng
RT: 12.446 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:237 Resp: 62843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.9 | 39.9 | 79.9 |
| 272 | 14.1 | 0.0 | 33.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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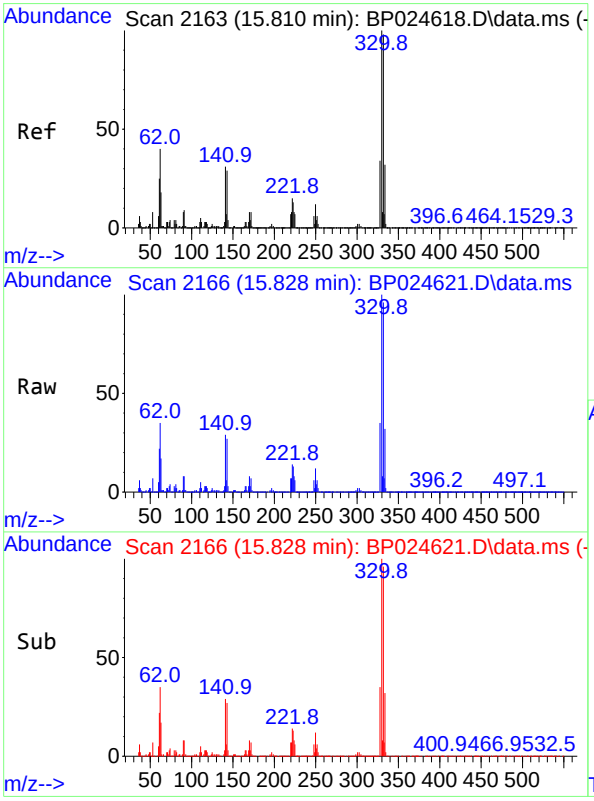
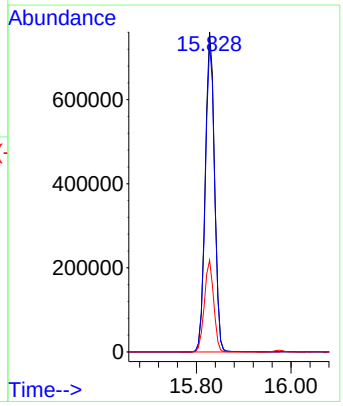
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

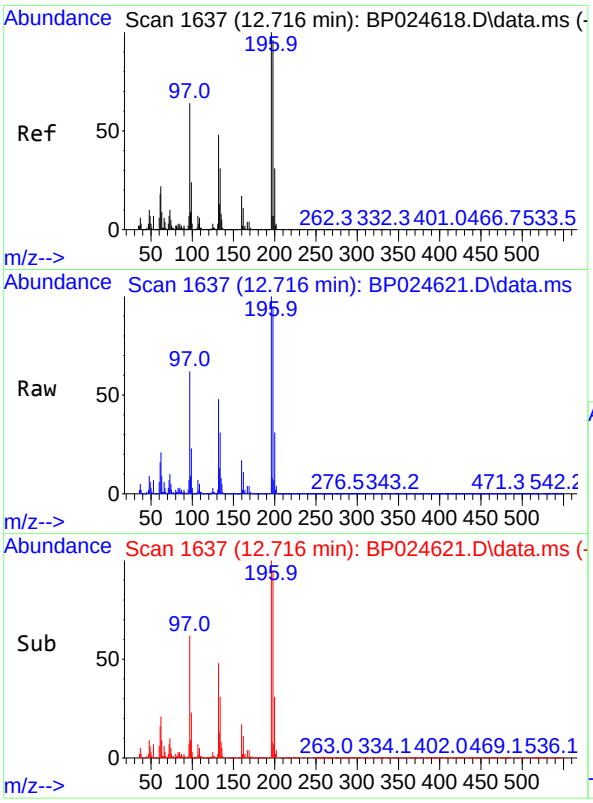



#42
2,4,6-Tribromophenol
Concen: 163.05 ng
RT: 15.828 min Scan# 2166
Delta R.T. 0.018 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:330 Resp: 1032638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.7 | 78.2 | 117.4 |
| 141 | 28.8 | 24.3 | 36.5 |






#43
2,4,6-Trichlorophenol
Concen: 85.58 ng
RT: 12.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:196 Resp: 60133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.9 | 76.9 | 115.3 |
| 200 | 30.6 | 25.2 | 37.8 |

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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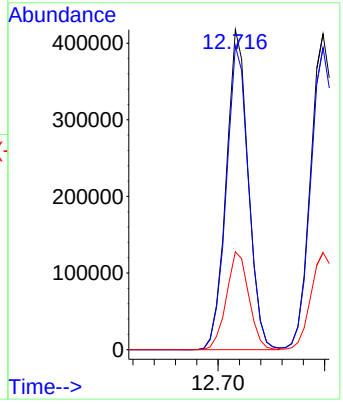
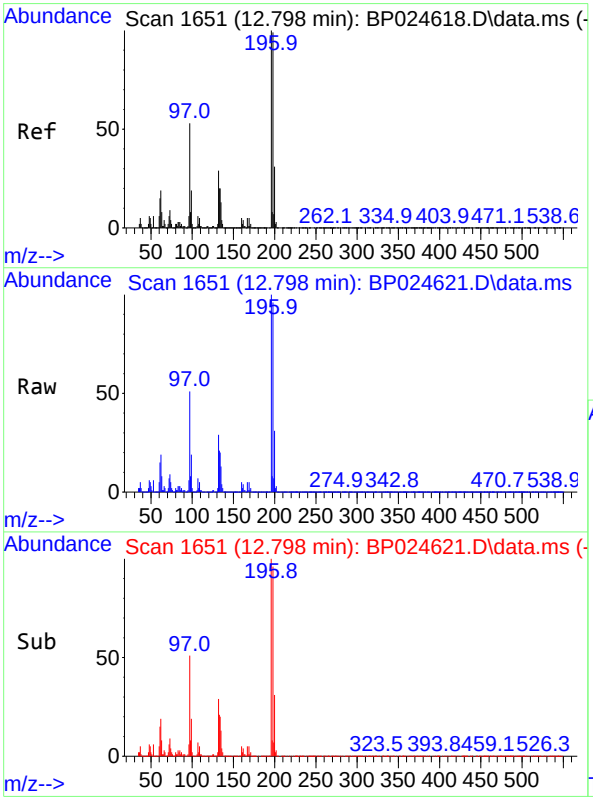
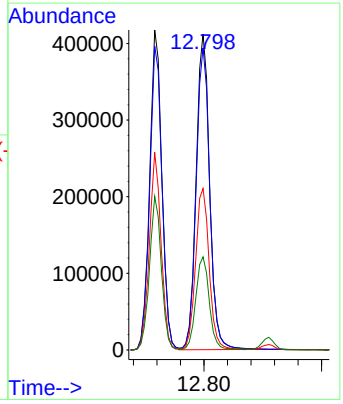


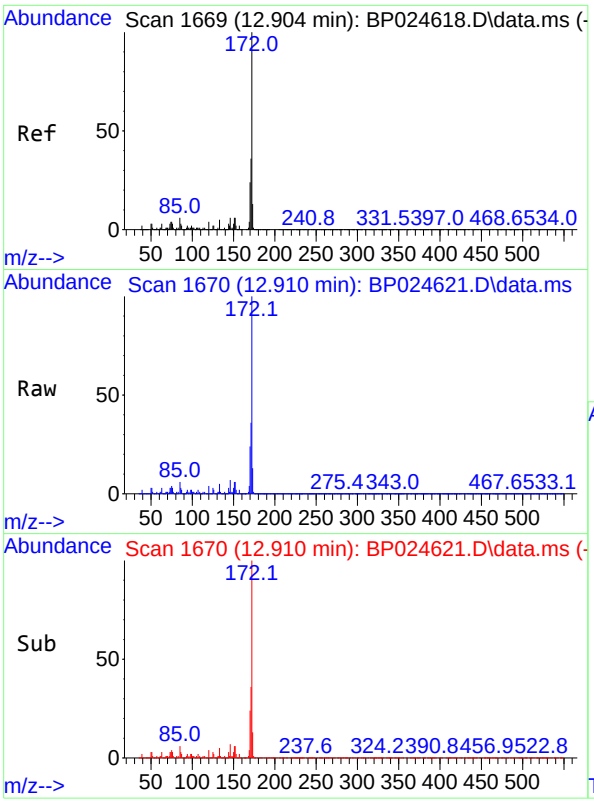




#44
2,4,5-Trichlorophenol
Concen: 84.05 ng
RT: 12.798 min Scan# 1651
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:196 Resp: 657399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.7 | 79.2 | 118.8 |
| 97 | 51.1 | 42.3 | 63.5 |
| 132 | 29.5 | 23.3 | 34.9 |

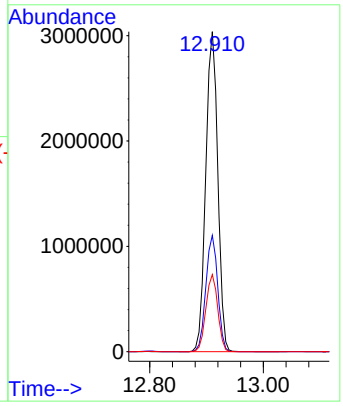





#45
2-Fluorobiphenyl
Concen: 155.65 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:172 Resp: 443817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.3 | 28.8 | 43.2 |
| 170 | 24.1 | 18.8 | 28.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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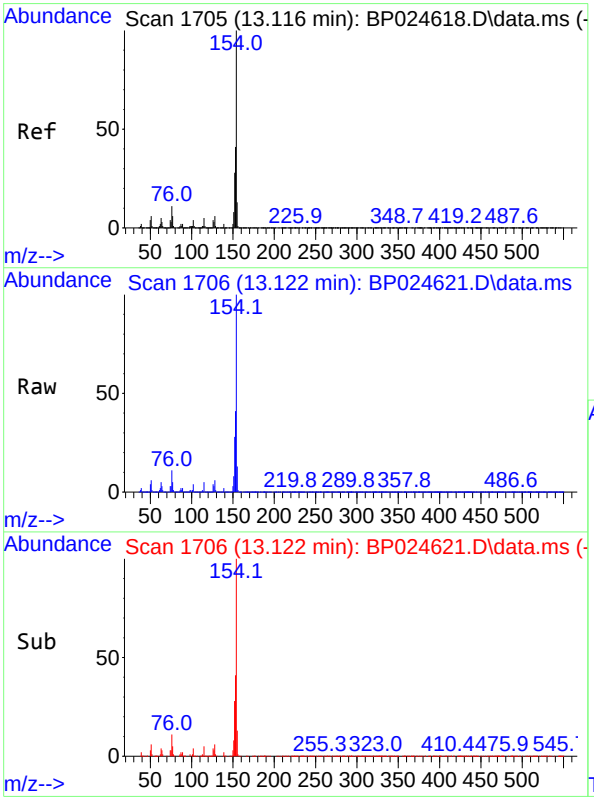
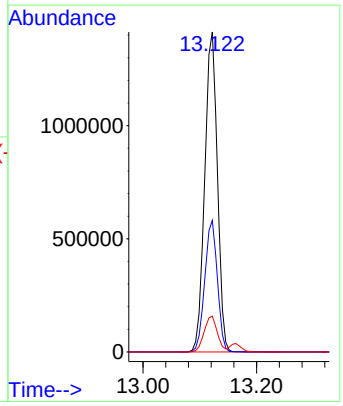
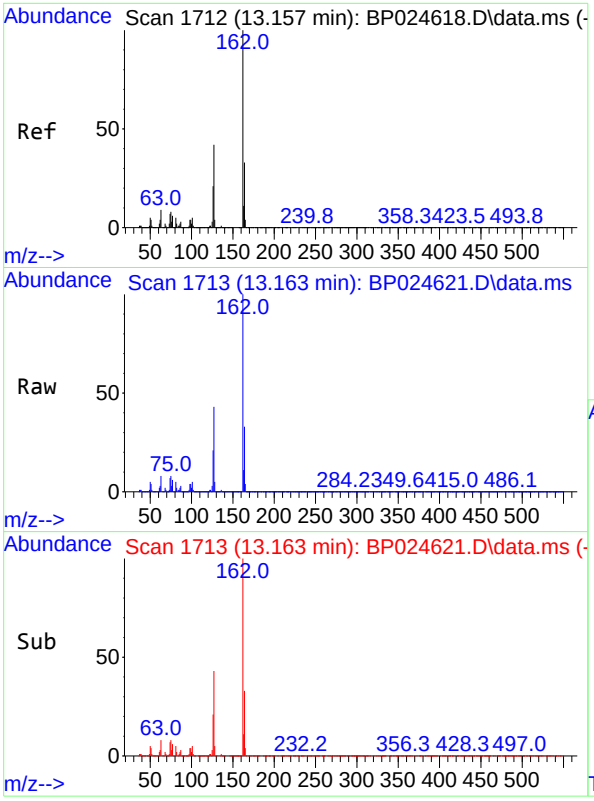



#46
1,1'-Biphenyl
Concen: 78.79 ng
RT: 13.122 min Scan# 1706
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:154 Resp: 2175624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.1 | 21.0 | 61.0 |
| 76 | 11.2 | 0.0 | 31.5 |

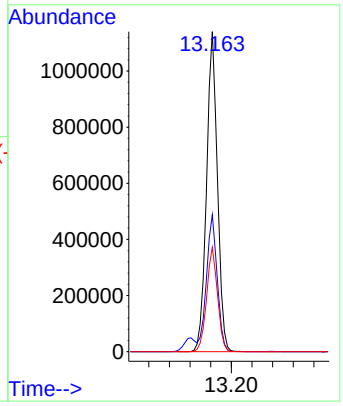





#47
2-Chloronaphthalene
Concen: 78.99 ng
RT: 13.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:162 Resp: 166297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.8 | 33.8 | 50.6 |
| 164 | 32.6 | 26.0 | 39.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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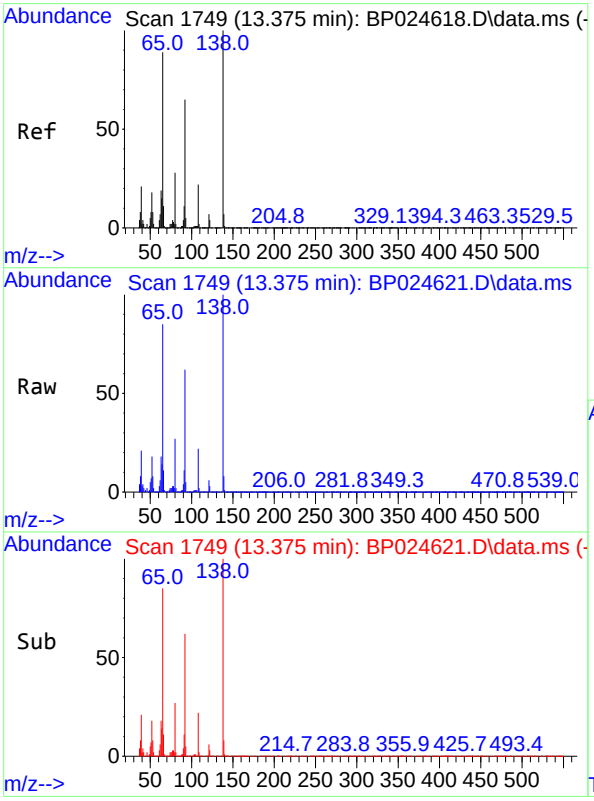
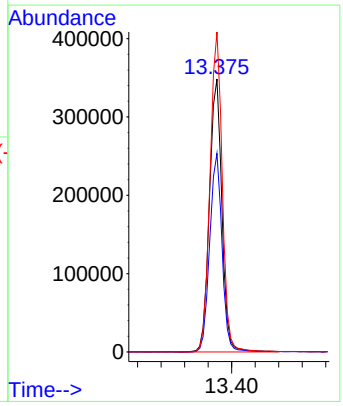
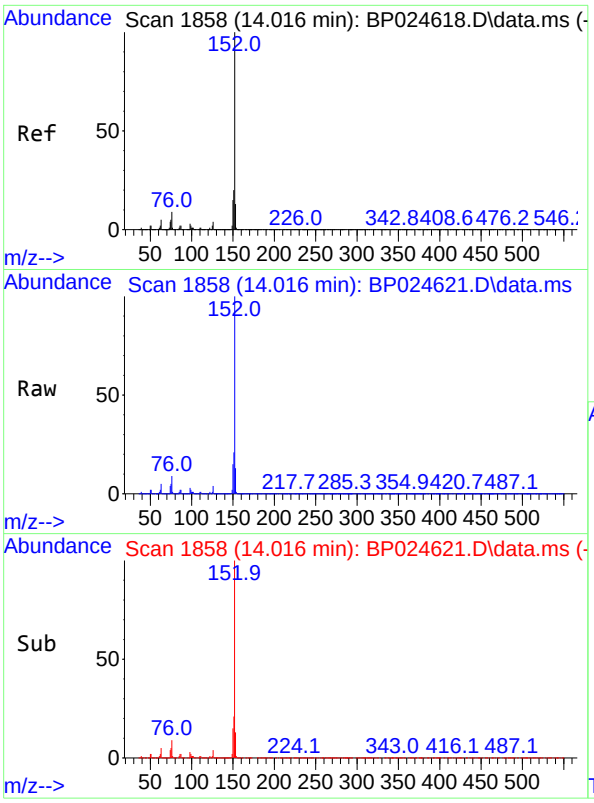



#48
2-Nitroaniline
Concen: 82.22 ng
RT: 13.375 min Scan# 1749
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 65 Resp: 512458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 72.7 | 58.7 | 88.1 |
| 138 | 117.2 | 90.2 | 135.2 |

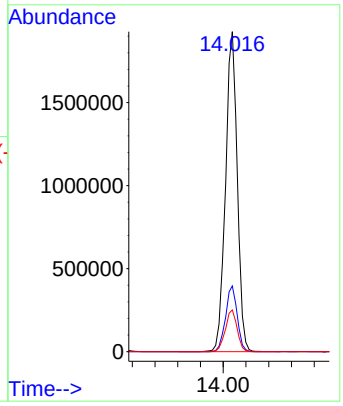





#49
Acenaphthylene
Concen: 78.73 ng
RT: 14.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:152 Resp: 277374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.6 | 16.2 | 24.4 |
| 153 | 13.1 | 10.2 | 15.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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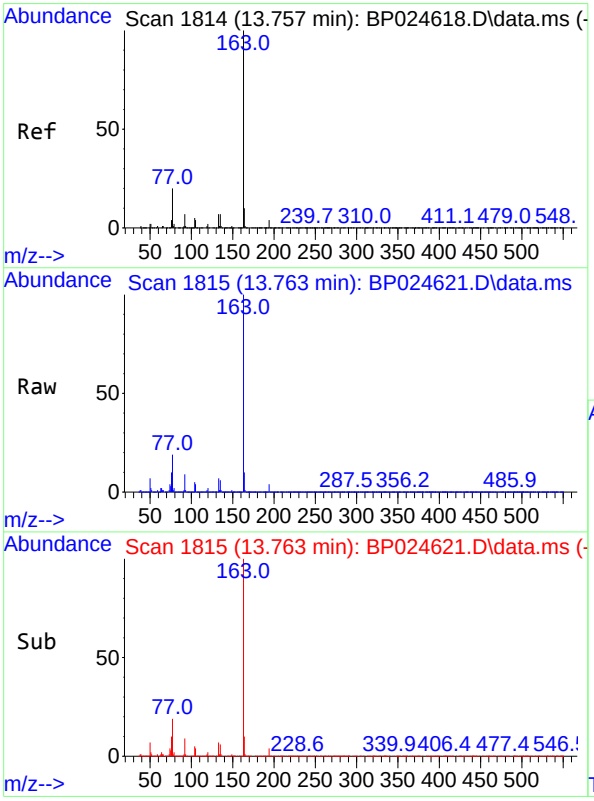
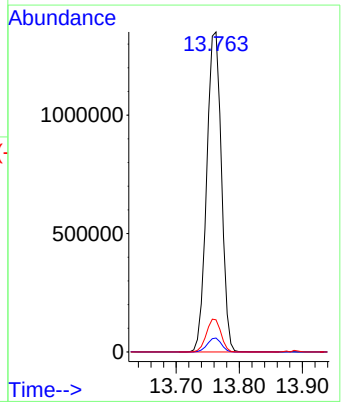
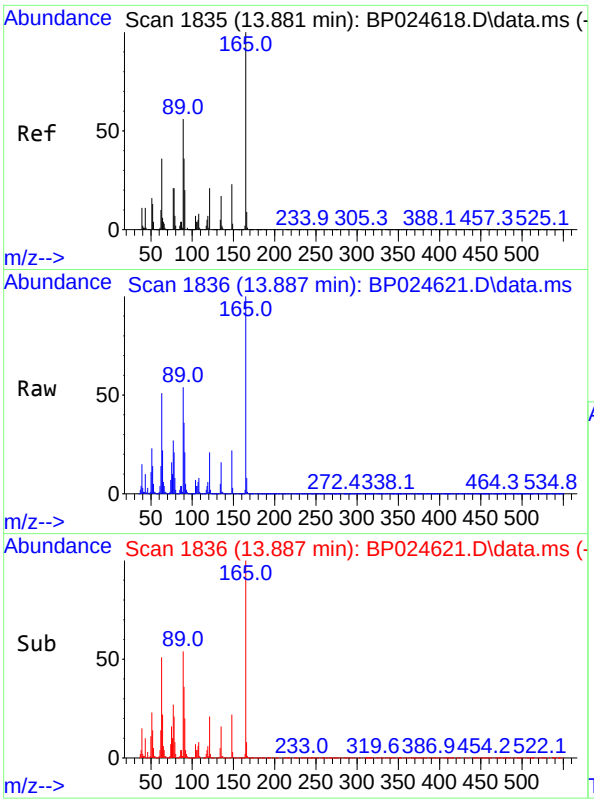



#50
Dimethylphthalate
Concen: 76.64 ng
RT: 13.763 min Scan# 1815
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:163 Resp: 2182359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.4 | 3.4 | 5.0 |
| 164 | 10.0 | 8.1 | 12.1 |

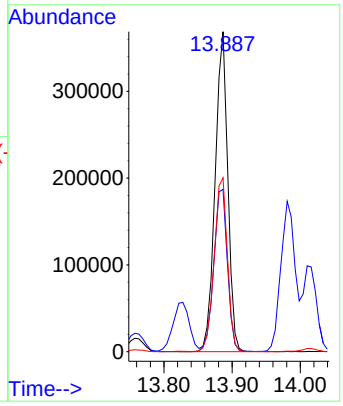





#51
2,6-Dinitrotoluene
Concen: 79.26 ng
RT: 13.887 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:165 Resp: 47660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 50.8 | 42.4 | 63.6 |
| 89 | 54.4 | 44.8 | 67.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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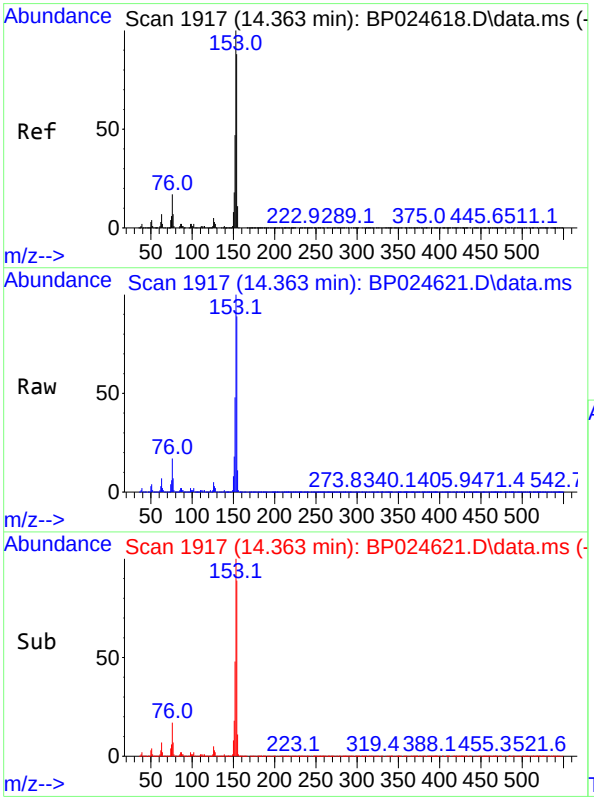
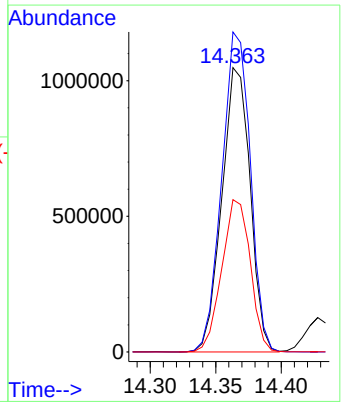
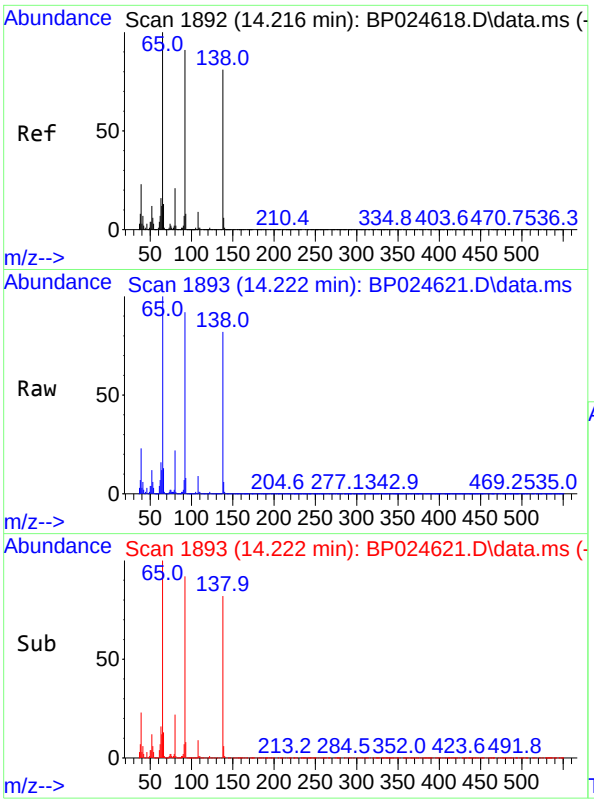



#52
Acenaphthene
Concen: 77.62 ng
RT: 14.363 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:154 Resp: 1572103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.6 | 91.0 | 136.4 |
| 152 | 53.6 | 42.9 | 64.3 |

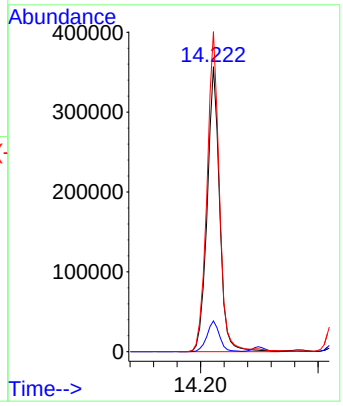





#53
3-Nitroaniline
Concen: 85.15 ng
RT: 14.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:138 Resp: 52284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.8 | 9.0 | 13.4 |
| 92 | 112.3 | 90.1 | 135.1 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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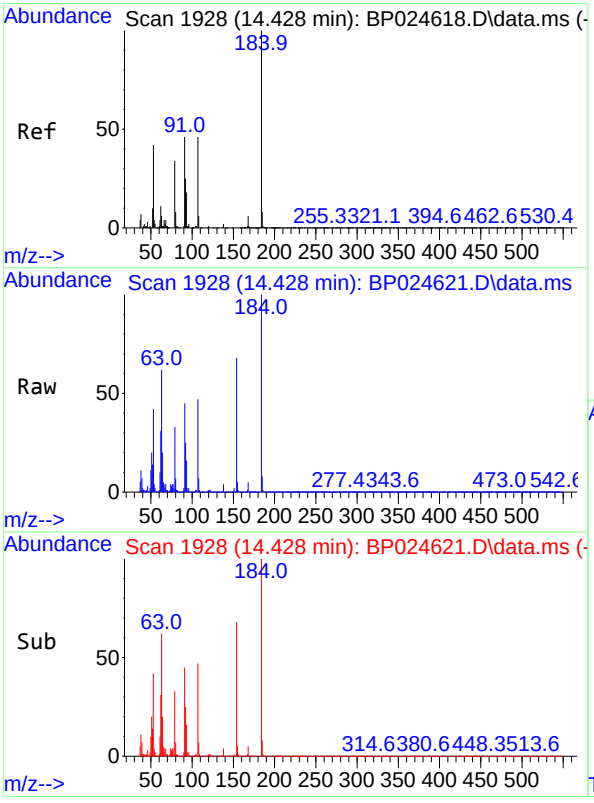
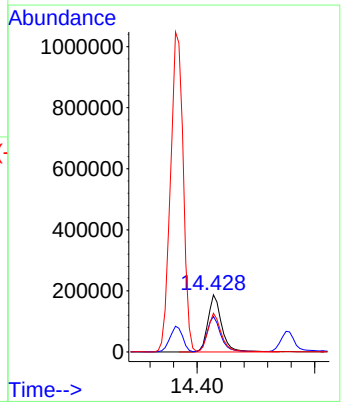
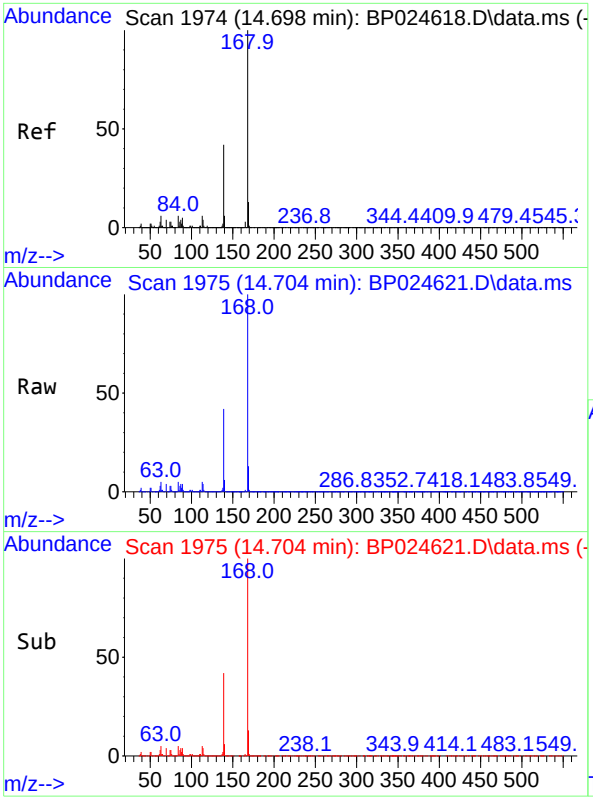



#54
2,4-Dinitrophenol
Concen: 79.29 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:184 Resp: 300458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 62.1 | 51.3 | 76.9 |
| 154 | 67.9 | 53.5 | 80.3 |






#55
Dibenzofuran
Concen: 76.68 ng
RT: 14.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:168 Resp: 247737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.7 | 34.2 | 51.4 |
| 169 | 13.4 | 10.8 | 16.2 |

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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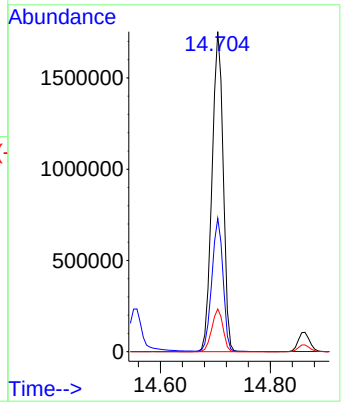
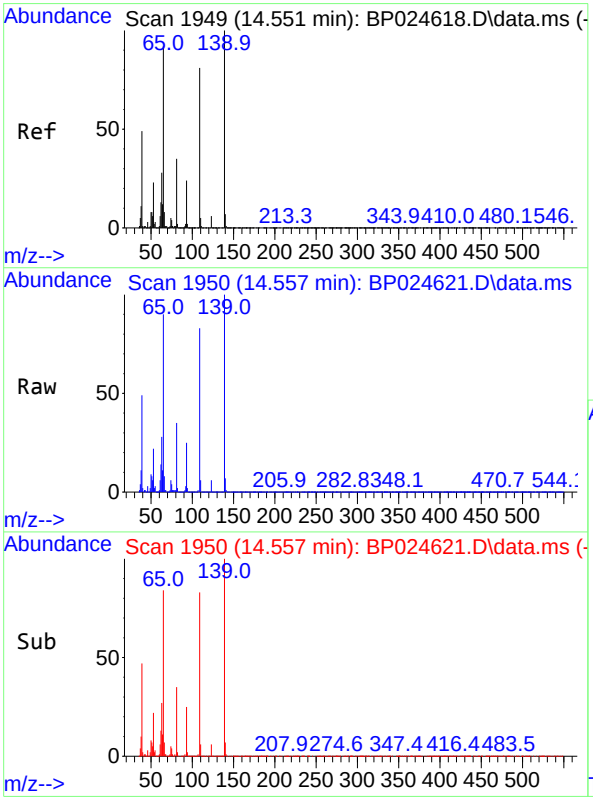
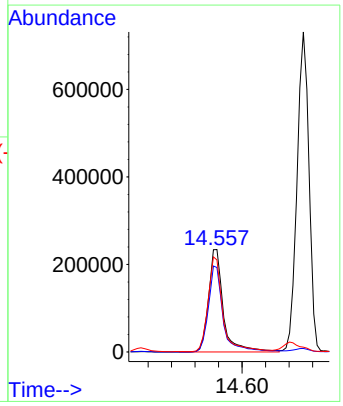


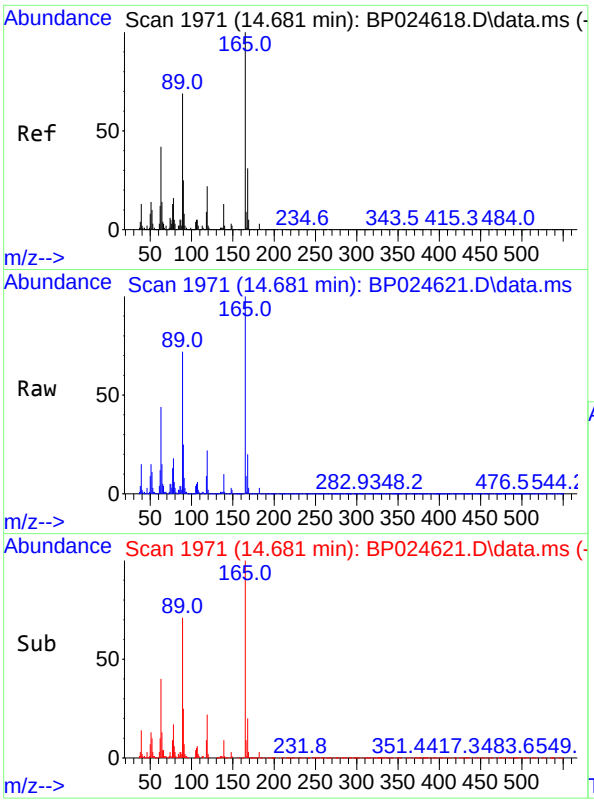




#56
4-Nitrophenol
Concen: 77.27 ng
RT: 14.557 min Scan# 1950
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:139 Resp: 409954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 82.6 | 61.4 | 101.4 |
| 65 | 89.8 | 72.2 | 112.2 |

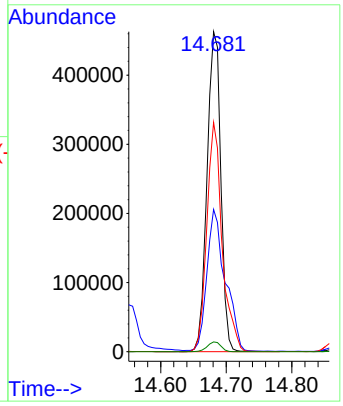





#57
2,4-Dinitrotoluene
Concen: 80.01 ng
RT: 14.681 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:165 Resp: 67828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 44.4 | 33.8 | 50.6 |
| 89 | 71.6 | 55.6 | 83.4 |
| 182 | 3.1 | 2.4 | 3.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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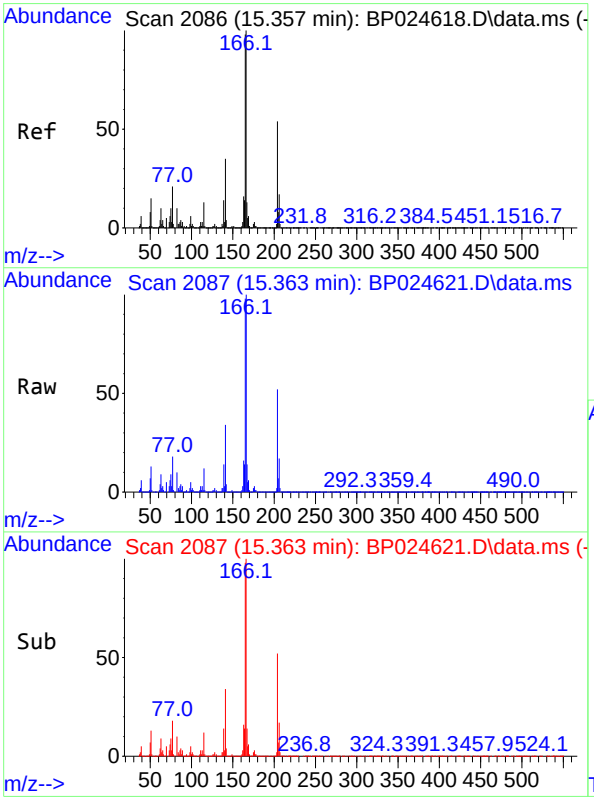
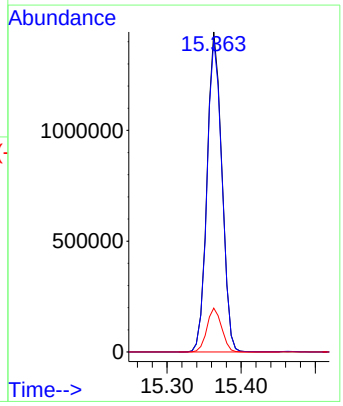
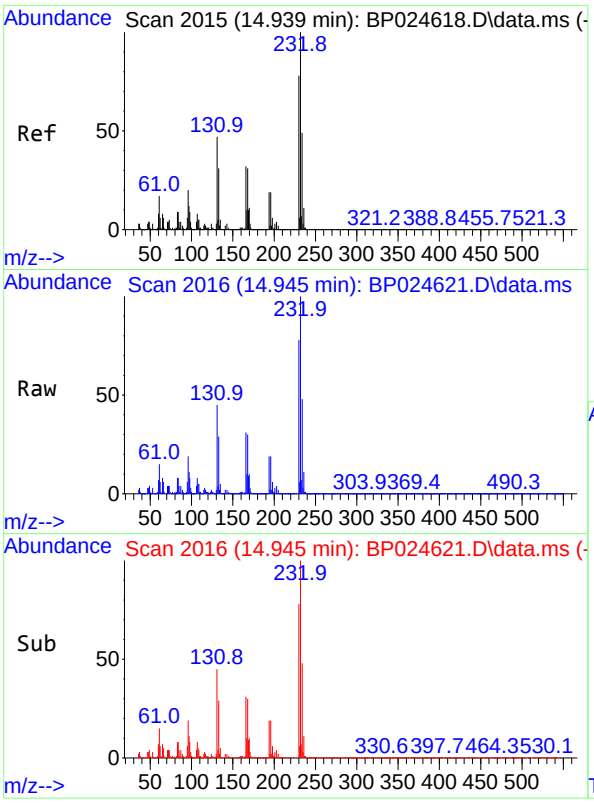



#58
Fluorene
Concen: 76.06 ng
RT: 15.363 min Scan# 2087
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:166 Resp: 2003709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.6 | 78.5 | 117.7 |
| 167 | 13.7 | 10.7 | 16.1 |






#59
2,3,4,6-Tetrachlorophenol
Concen: 81.17 ng
RT: 14.945 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:232 Resp: 58894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 48.1 | 39.5 | 59.3 |
| 130 | 2.6 | 2.2 | 3.4 |
| 166 | 31.4 | 25.7 | 38.5 |

**Instrument :**
BNA_P
**ClientSampleId :**
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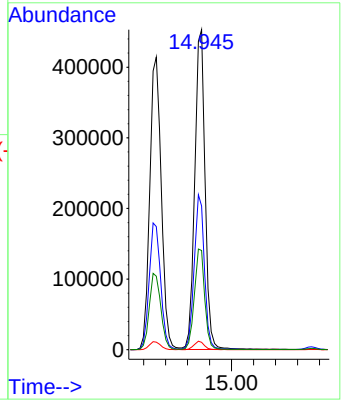
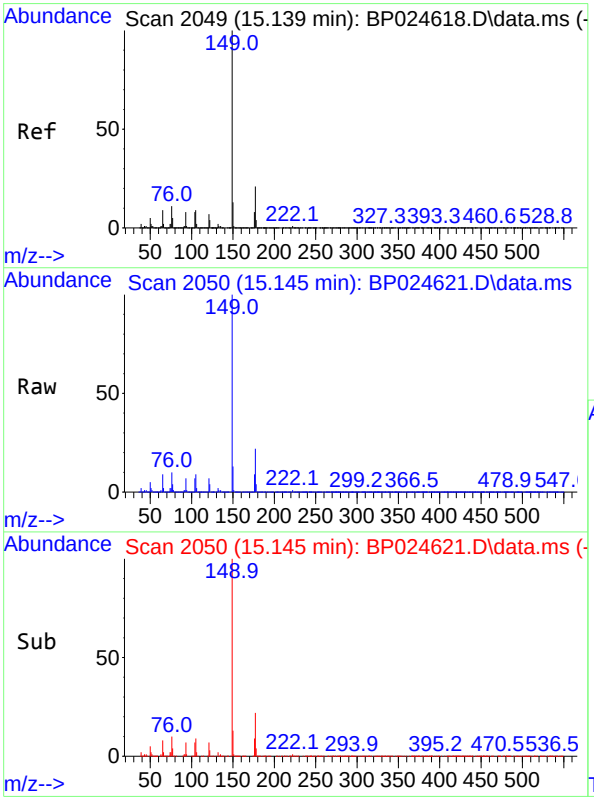
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

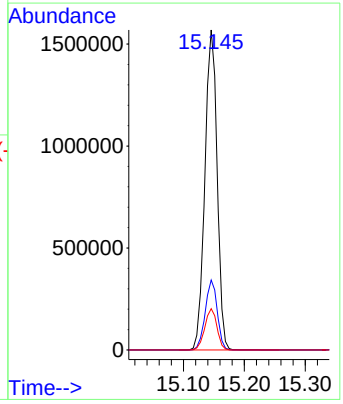


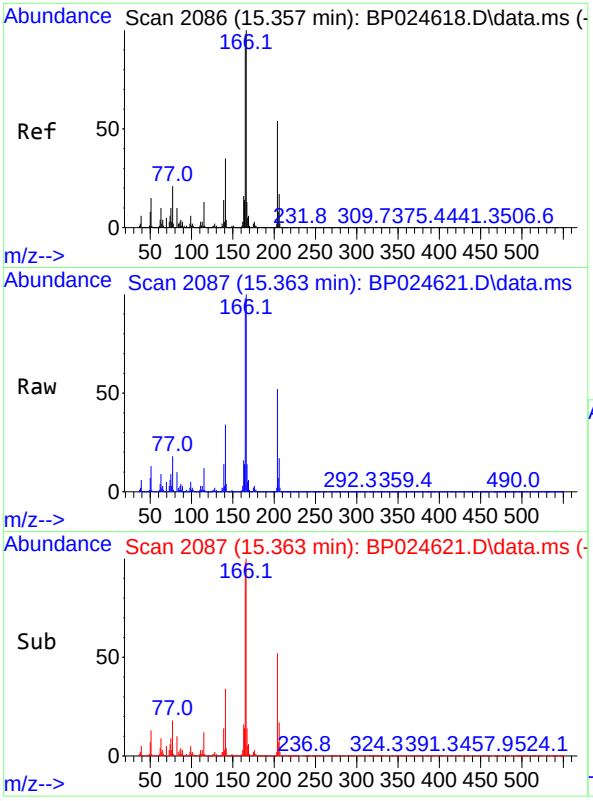




#60
Diethylphthalate
Concen: 76.22 ng
RT: 15.145 min Scan# 2050
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:149 Resp: 2193488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.9 | 16.7 | 25.1 |
| 150 | 12.9 | 10.2 | 15.2 |

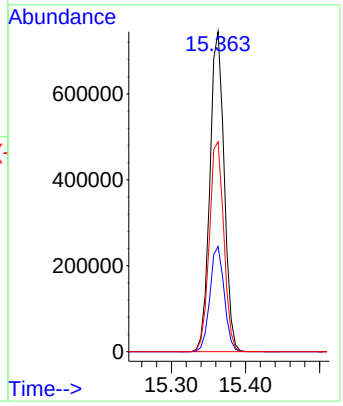





#61
4-Chlorophenyl-phenylether
Concen: 75.96 ng
RT: 15.363 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:204 Resp: 99786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.9 | 26.0 | 39.0 |
| 141 | 65.6 | 52.9 | 79.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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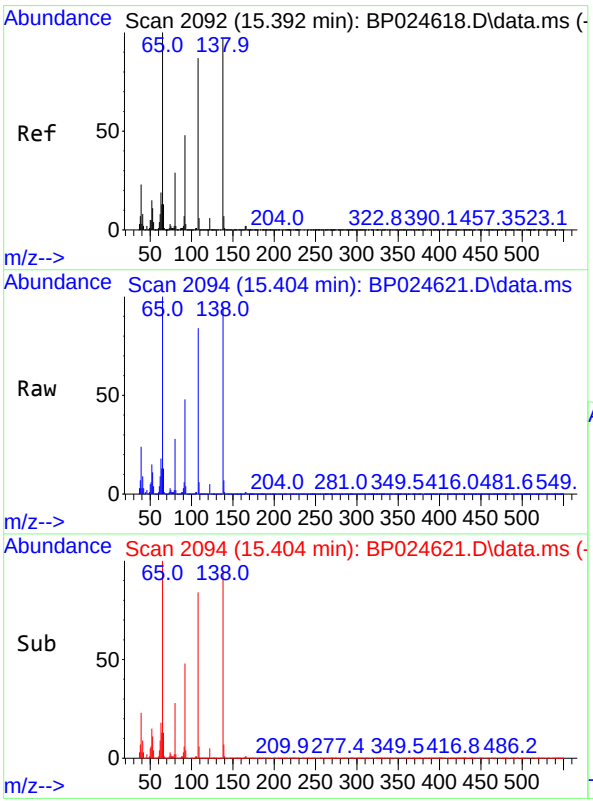
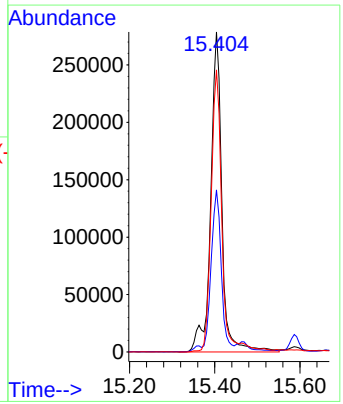
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

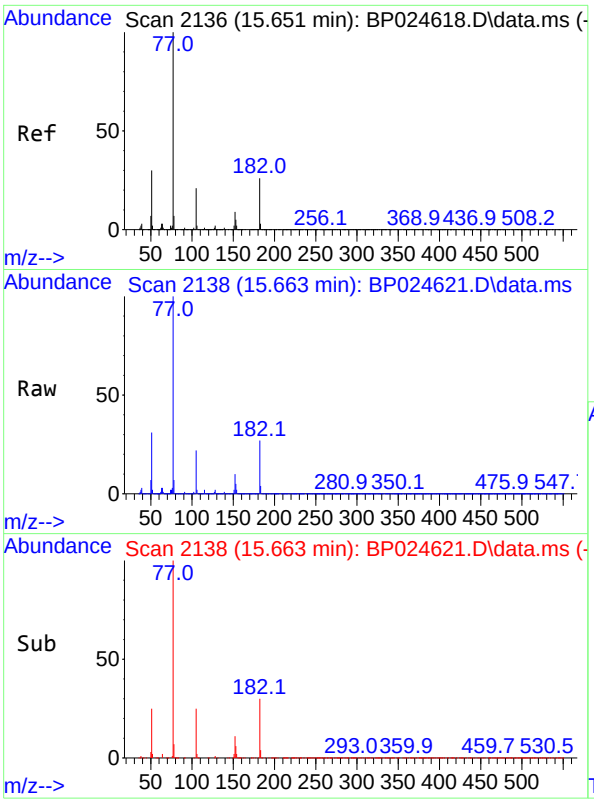



#62
4-Nitroaniline
Concen: 85.24 ng
RT: 15.404 min Scan# 2094
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:138 Resp: 509582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.6 | 29.2 | 69.2 |
| 108 | 88.2 | 69.0 | 109.0 |

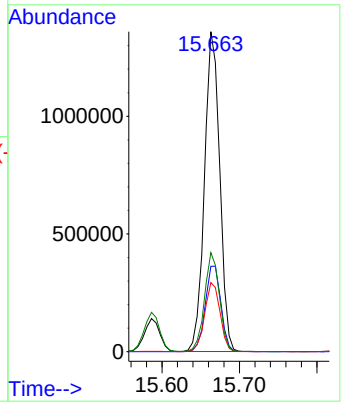





#63
Azobenzene
Concen: 75.47 ng
RT: 15.663 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 77 Resp: 185814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.7 | 5.7 | 45.7 |
| 105 | 21.6 | 1.3 | 41.3 |
| 51 | 30.9 | 10.6 | 50.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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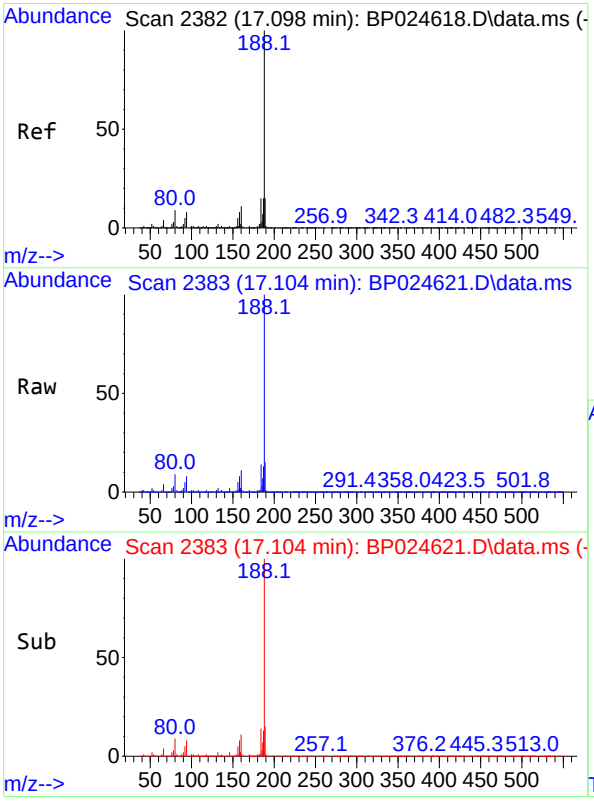
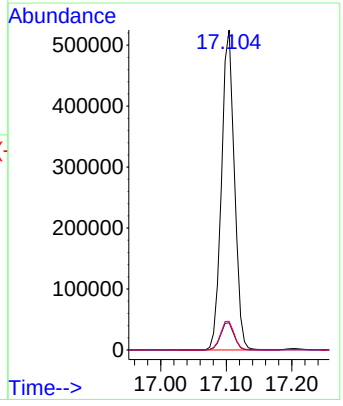
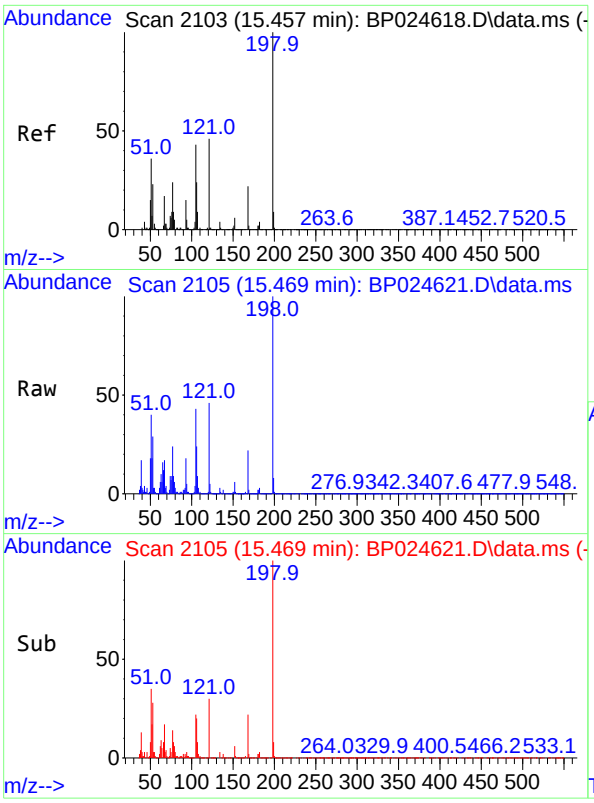



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.104 min Scan# 2383
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:188 Resp: 713479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.5 | 6.5 | 9.7 |
| 80 | 9.0 | 7.3 | 10.9 |

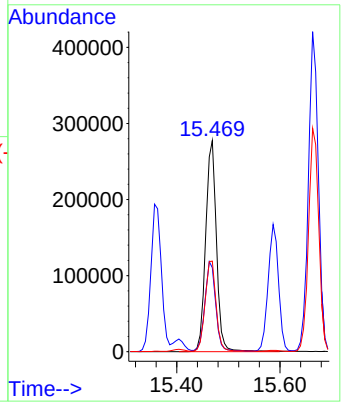





#65
4,6-Dinitro-2-methylphenol
Concen: 87.01 ng
RT: 15.469 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:198 Resp: 40101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 39.8 | 21.1 | 61.1 |
| 105 | 42.9 | 23.6 | 63.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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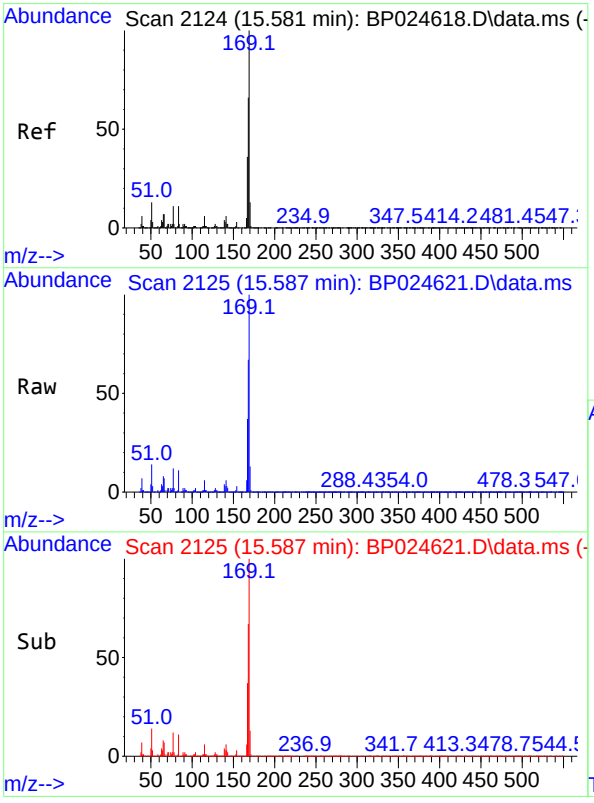
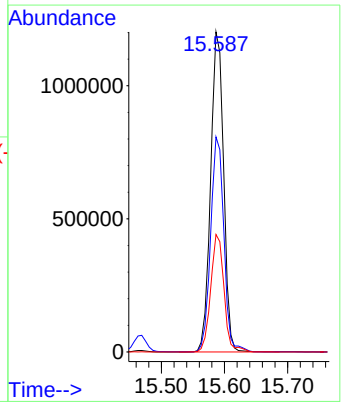
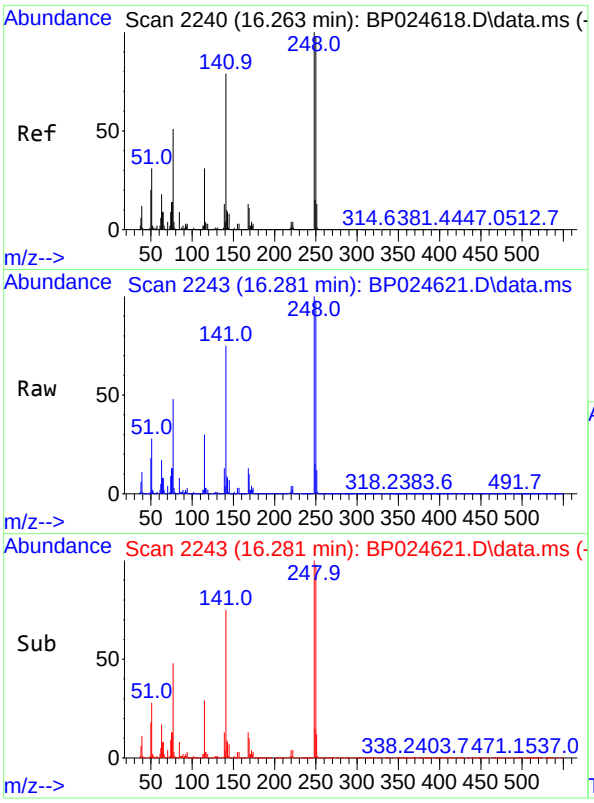



#66
n-Nitrosodiphenylamine
Concen: 78.10 ng
RT: 15.587 min Scan# 2125
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:169 Resp: 1711679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.2 | 53.2 | 79.8 |
| 167 | 36.7 | 28.6 | 43.0 |

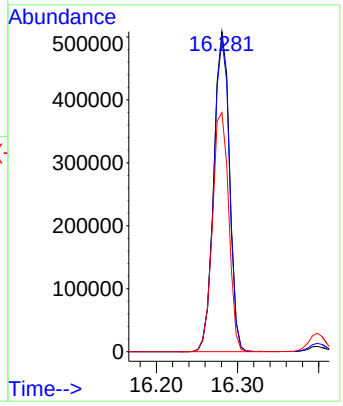





#67
4-Bromophenyl-phenylether
Concen: 81.43 ng
RT: 16.281 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:248 Resp: 68461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.8 | 78.2 | 117.4 |
| 141 | 74.7 | 63.0 | 94.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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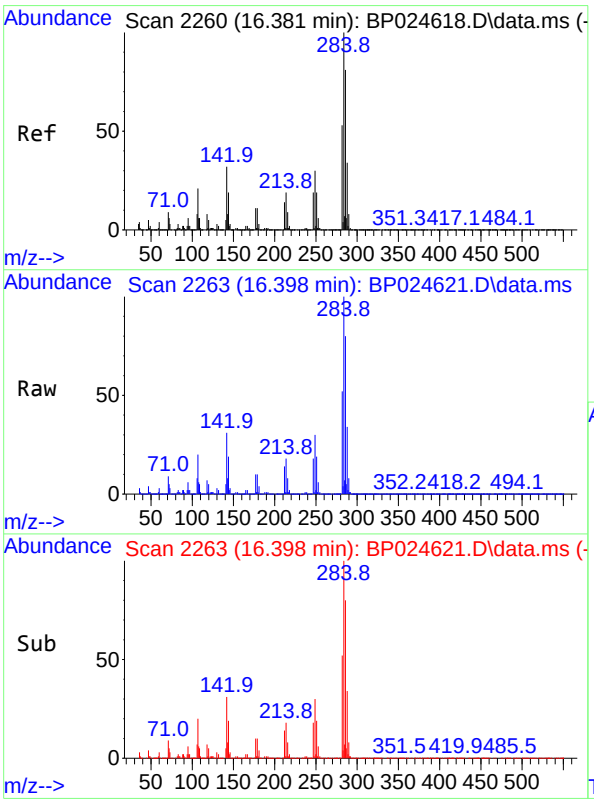
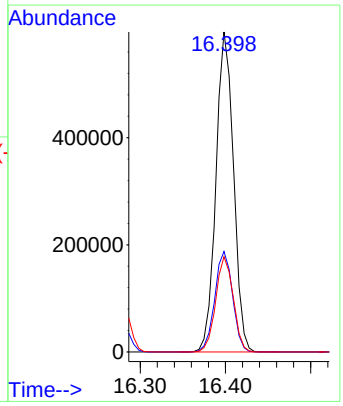
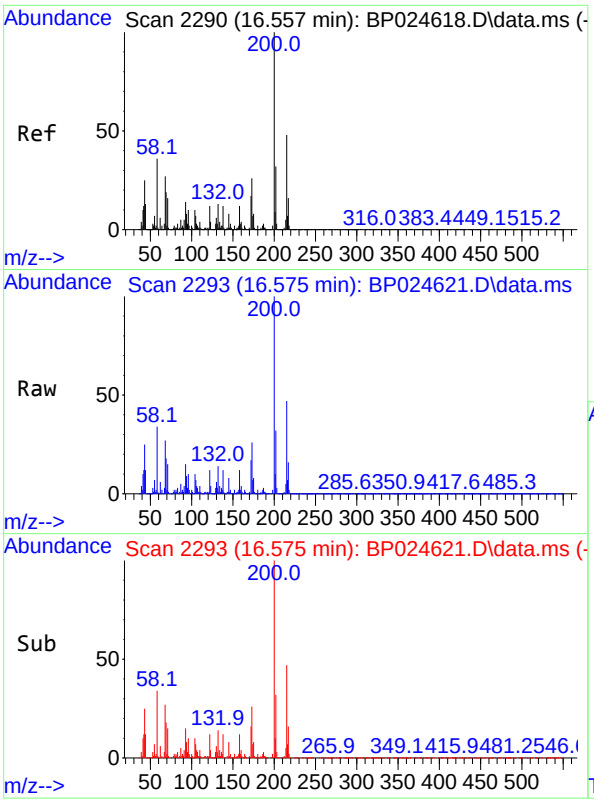



#68
Hexachlorobenzene
Concen: 80.18 ng
RT: 16.398 min Scan# 2263
Delta R.T. 0.018 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:284 Resp: 856547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.4 | 25.9 | 38.9 |
| 249 | 29.7 | 24.1 | 36.1 |

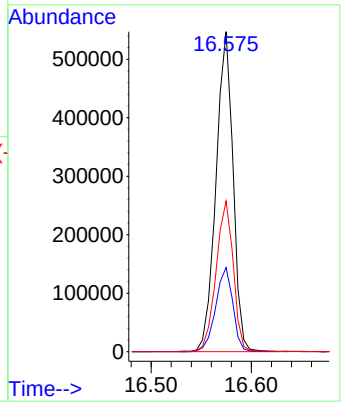





#69
Atrazine
Concen: 80.42 ng
RT: 16.575 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:200 Resp: 64587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.3 | 5.9 | 45.9 |
| 215 | 47.1 | 28.3 | 68.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

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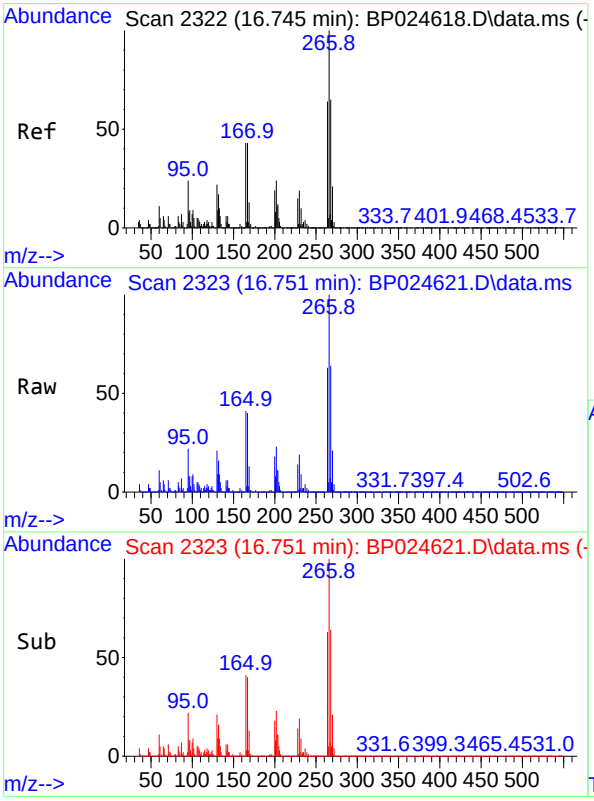
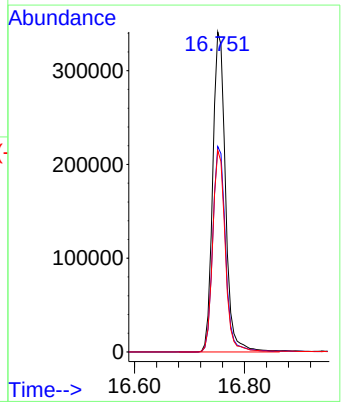
Supervised By :Jagrut Upadhyay 05/14/2025

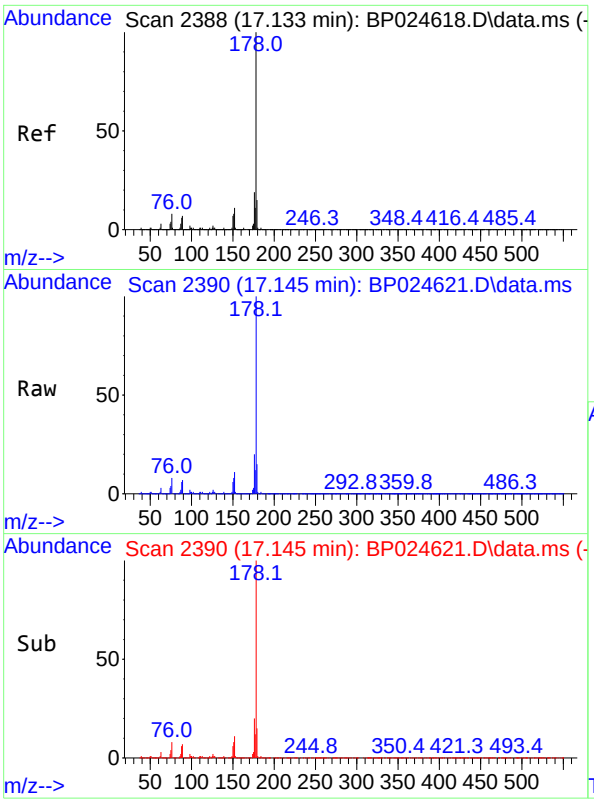



#70
Pentachlorophenol
Concen: 91.41 ng
RT: 16.751 min Scan# 2323
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:266 Resp: 548492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.2 | 52.2 | 78.4 |
| 264 | 62.9 | 51.1 | 76.7 |

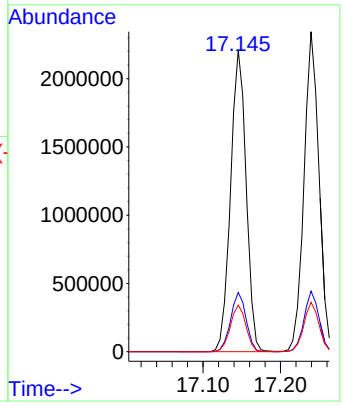





#71
Phenanthrene
Concen: 77.95 ng
RT: 17.145 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:178 Resp: 309166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.6 | 15.4 | 23.2 |
| 179 | 15.4 | 12.2 | 18.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

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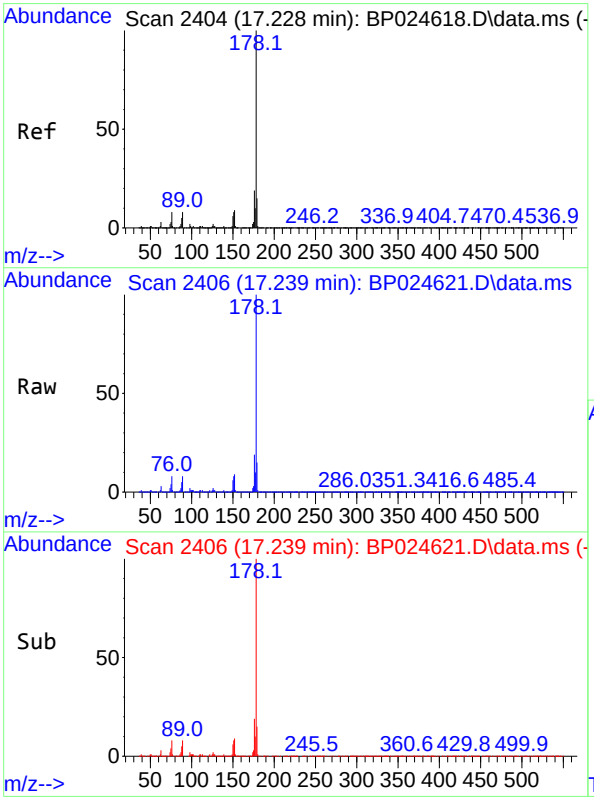
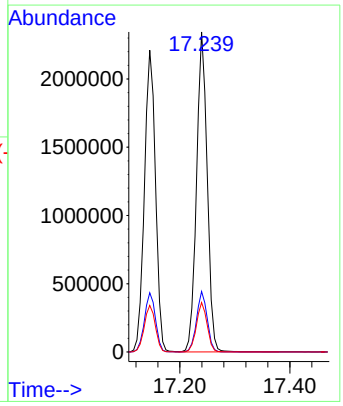
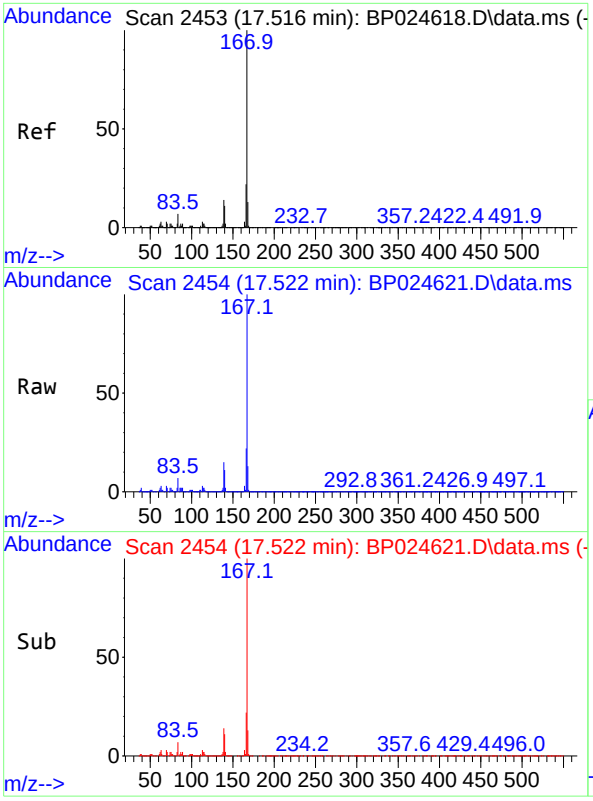



#72
Anthracene
Concen: 79.23 ng
RT: 17.239 min Scan# 2406
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:178 Resp: 3161669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 15.0 | 22.4 |
| 179 | 15.5 | 12.2 | 18.2 |

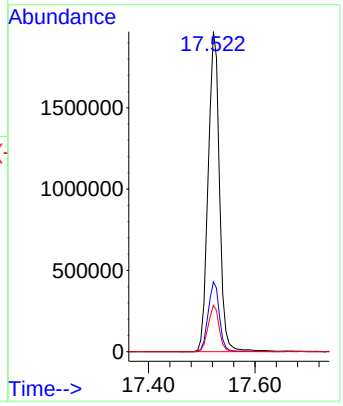





#73
Carbazole
Concen: 80.08 ng
RT: 17.522 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:167 Resp: 289223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.8 | 17.7 | 26.5 |
| 139 | 14.5 | 11.3 | 16.9 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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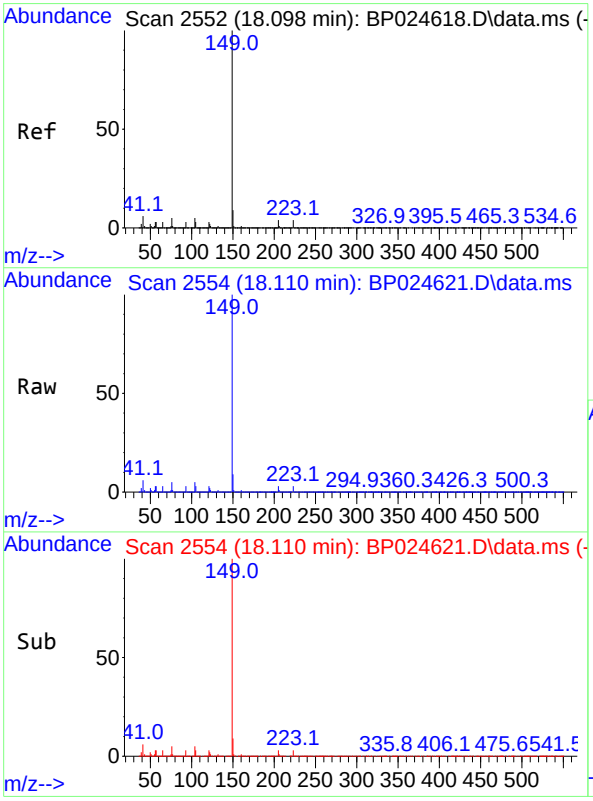
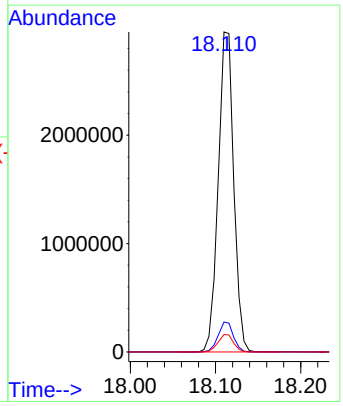
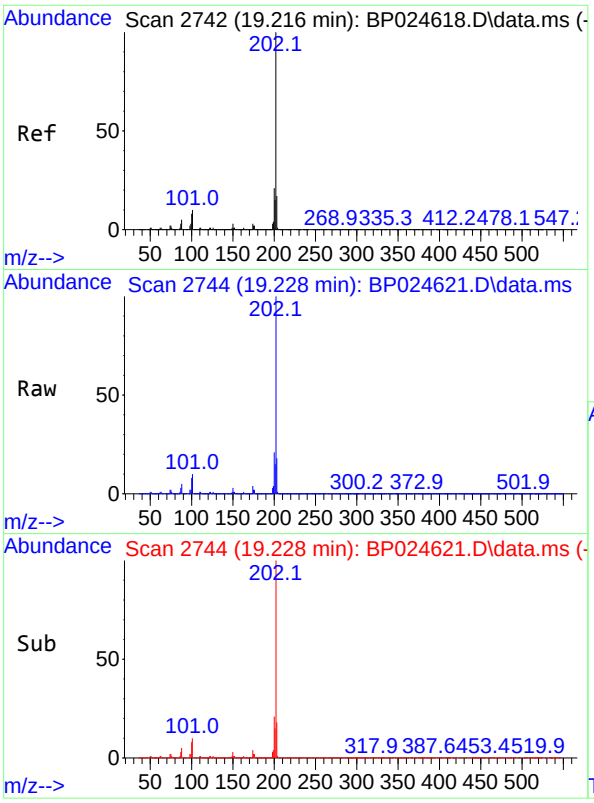



#74
Di-n-butylphthalate
Concen: 80.68 ng
RT: 18.110 min Scan# 2554
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:149 Resp: 3747927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.2 | 10.8 |
| 104 | 5.5 | 4.3 | 6.5 |






#75
Fluoranthene
Concen: 78.27 ng
RT: 19.228 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:202 Resp: 362908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.5 | 0.0 | 30.3 |
| 203 | 17.8 | 0.0 | 37.5 |

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

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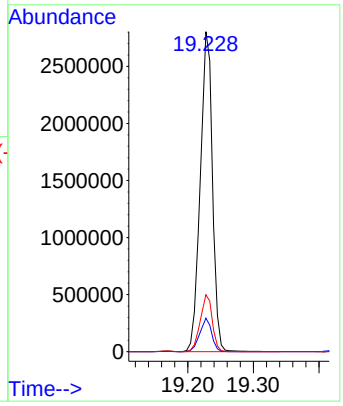
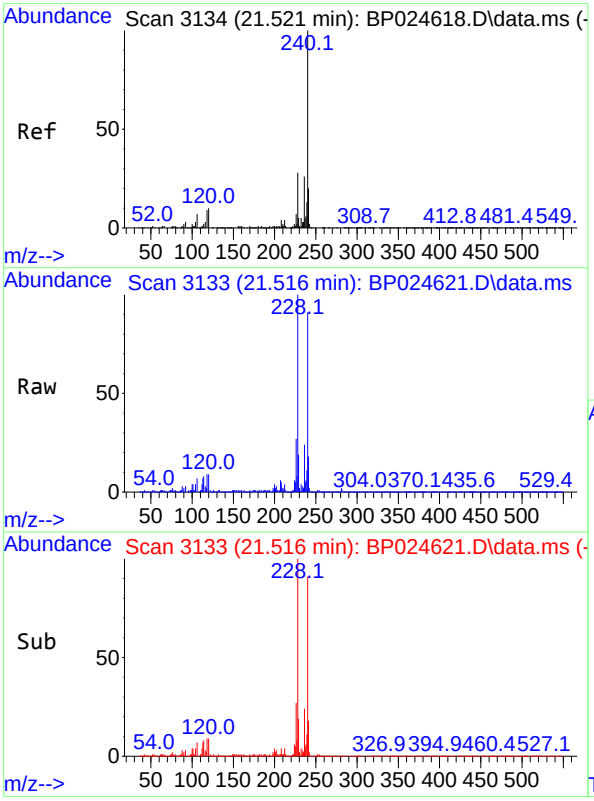
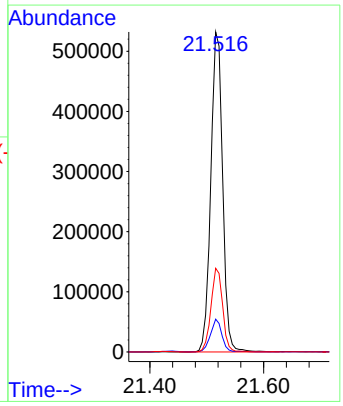


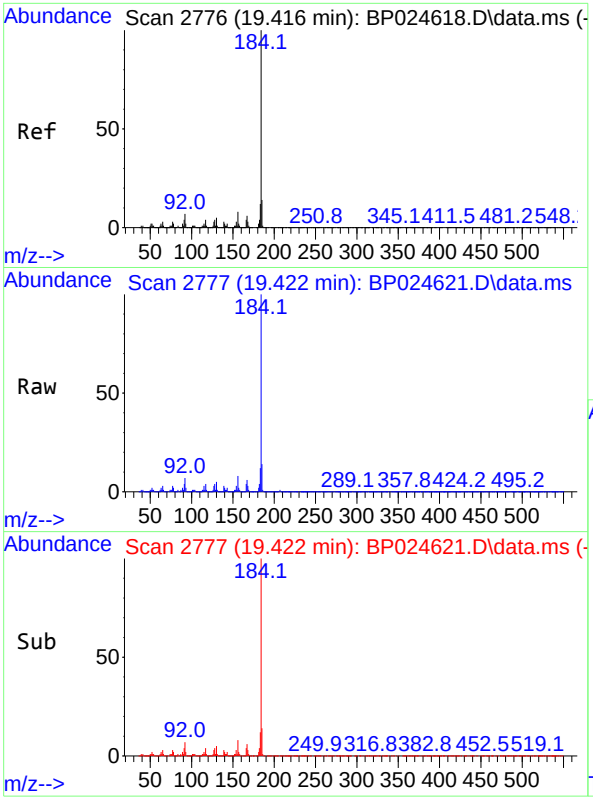




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:240 Resp: 765954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.3 | 7.8 | 11.6 |
| 236 | 26.2 | 20.6 | 31.0 |

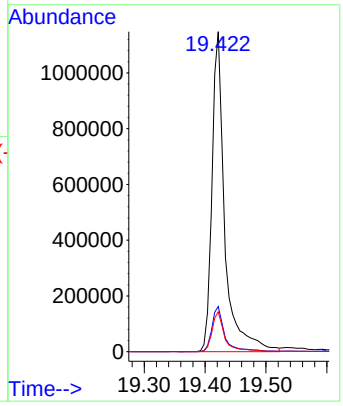





#77
Benzidine
Concen: 79.83 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:184 Resp: 167850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.1 | 11.2 | 16.8 |
| 183 | 12.4 | 9.8 | 14.8 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

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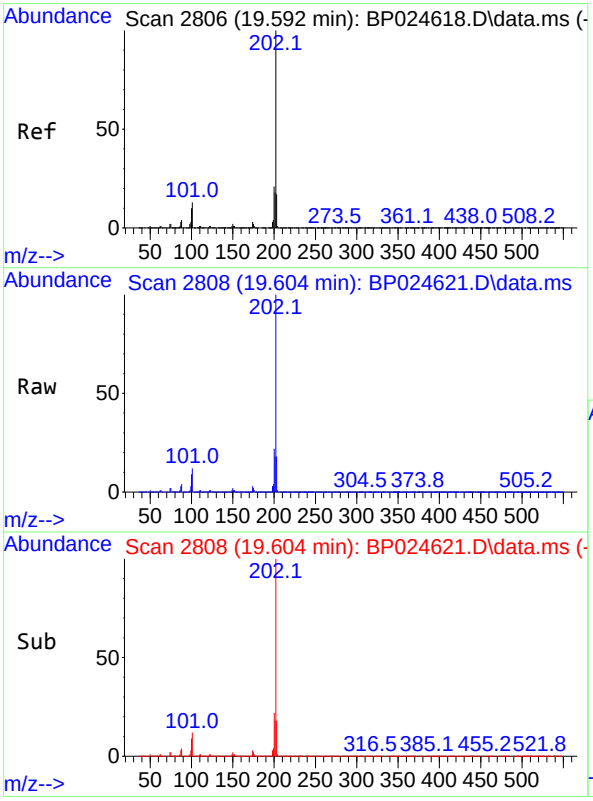
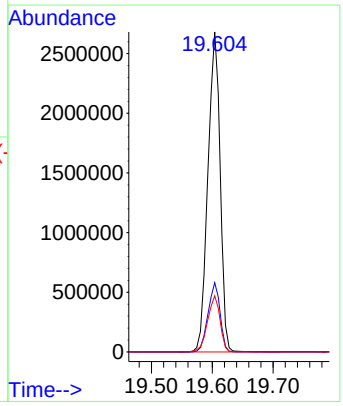
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

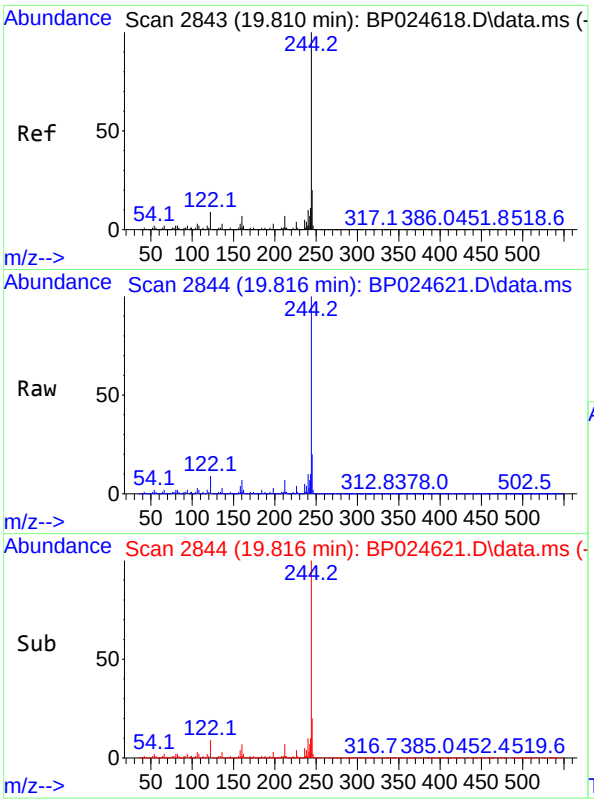



#78
Pyrene
Concen: 81.65 ng
RT: 19.604 min Scan# 2808
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:202 Resp: 3747276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.7 | 16.9 | 25.3 |
| 203 | 17.6 | 13.9 | 20.9 |

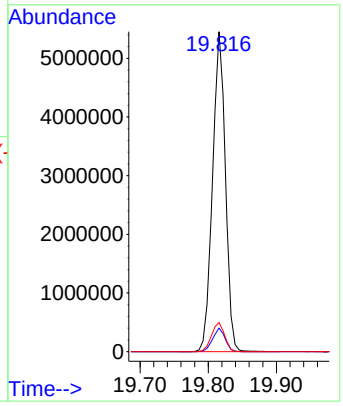





#79
Terphenyl-d14
Concen: 160.11 ng
RT: 19.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:244 Resp: 715225

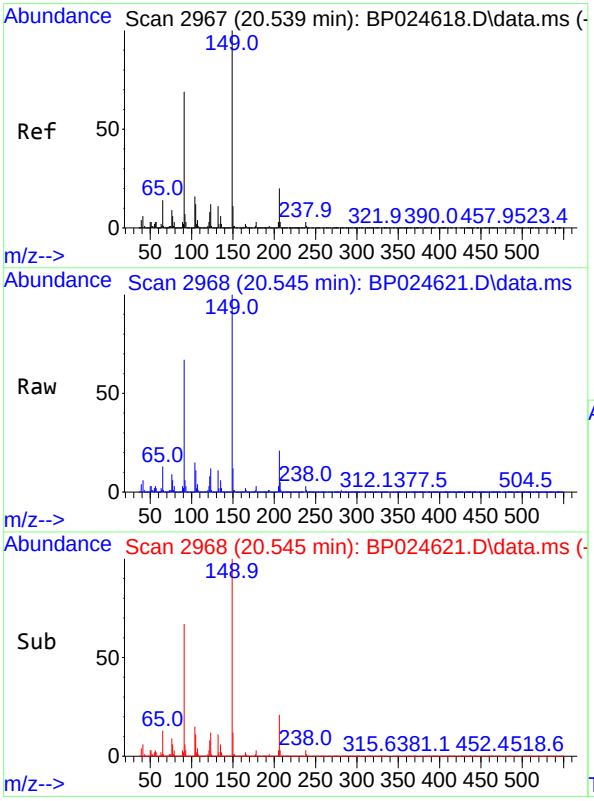
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.4 | 5.5 | 8.3 |
| 122 | 9.1 | 7.4 | 11.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

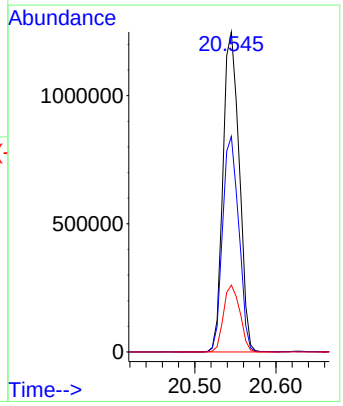
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

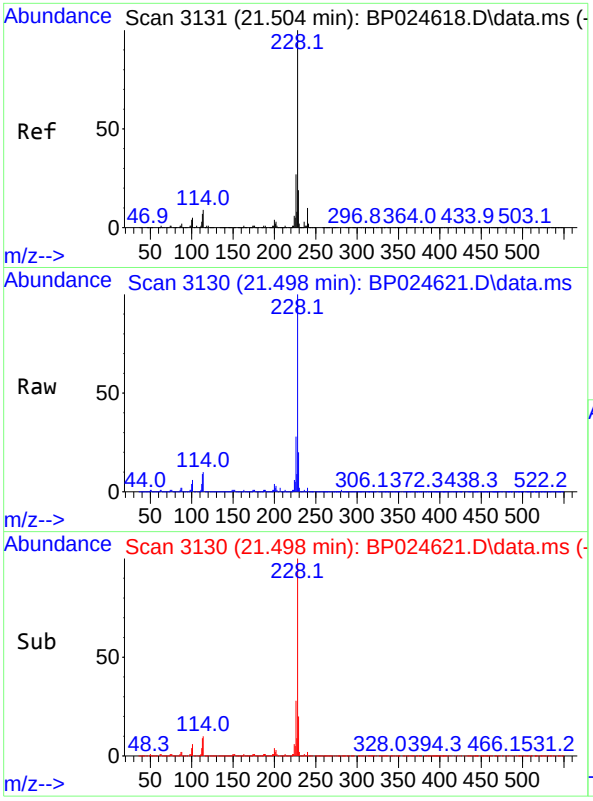



#80
Butylbenzylphthalate
Concen: 85.34 ng
RT: 20.545 min Scan# 2968
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:149 Resp: 1741954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 67.3 | 55.4 | 83.0 |
| 206 | 20.9 | 16.2 | 24.2 |

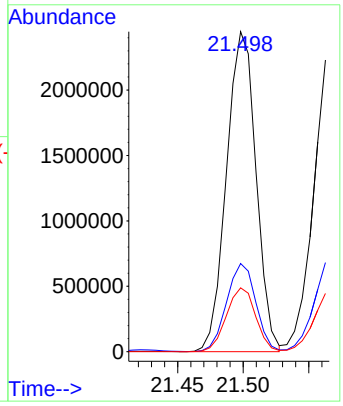





#81
Benzo(a)anthracene
Concen: 79.63 ng
RT: 21.498 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:228 Resp: 382978

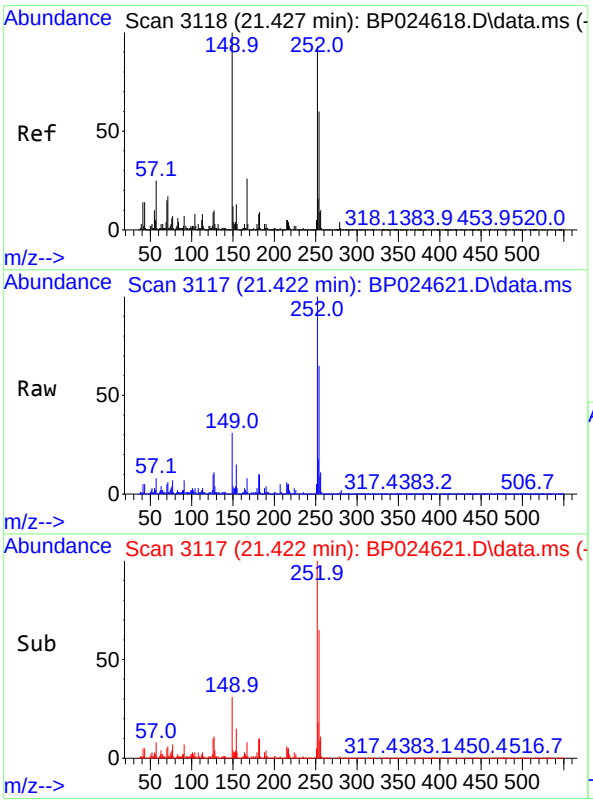
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.6 | 21.4 | 32.0 |
| 229 | 19.9 | 15.5 | 23.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

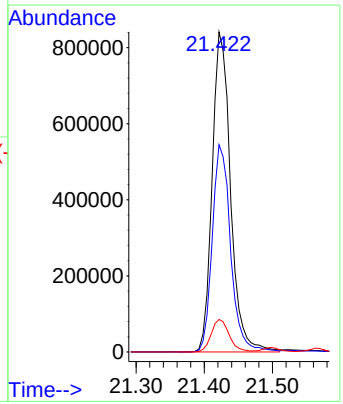
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

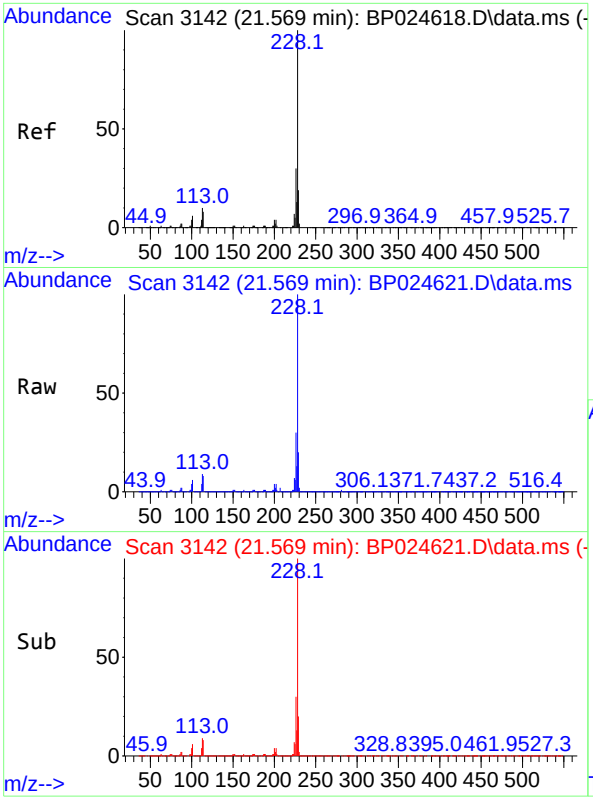



#82
3,3'-Dichlorobenzidine
Concen: 88.21 ng
RT: 21.422 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:252 Resp: 1575691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.8 | 51.8 | 77.6 |
| 126 | 10.2 | 7.7 | 11.5 |

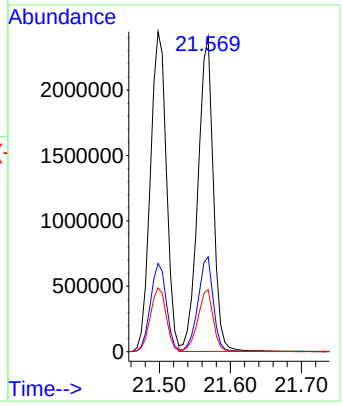





#83
Chrysene
Concen: 79.29 ng
RT: 21.569 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:228 Resp: 361501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 23.9 | 35.9 |
| 229 | 19.7 | 15.5 | 23.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

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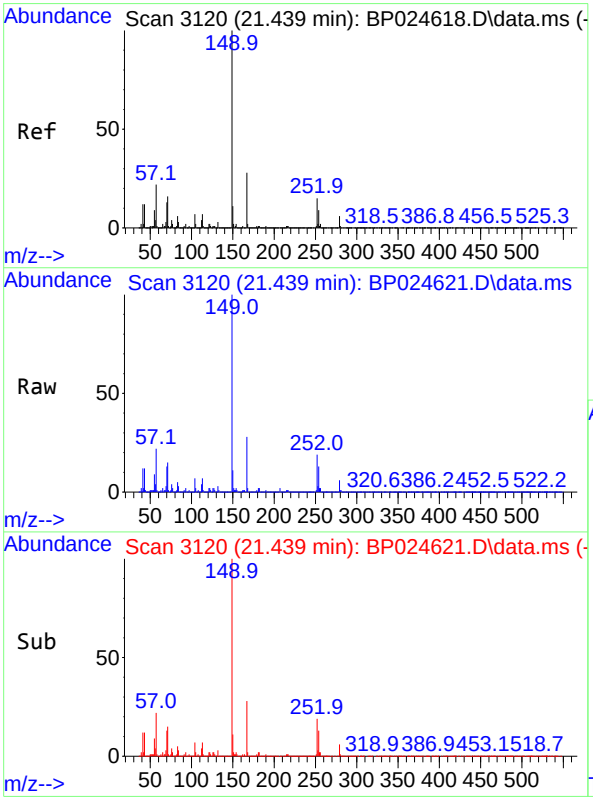
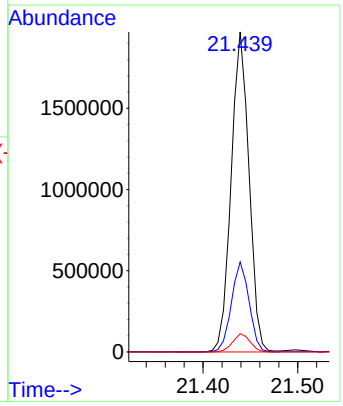
Supervised By :Jagrut Upadhyay 05/14/2025

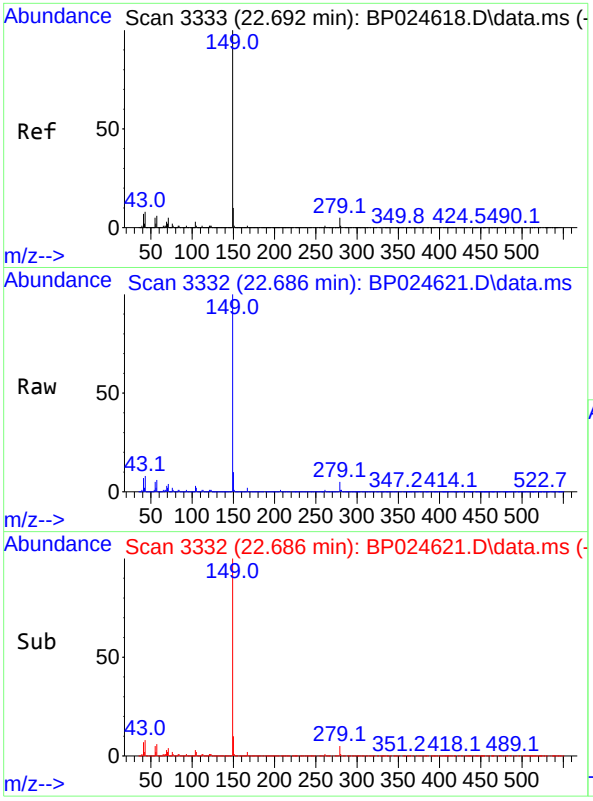



#84
Bis(2-ethylhexyl)phthalate
Concen: 85.91 ng
RT: 21.439 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:149 Resp: 2577445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.2 | 22.1 | 33.1 |
| 279 | 5.7 | 4.6 | 6.8 |

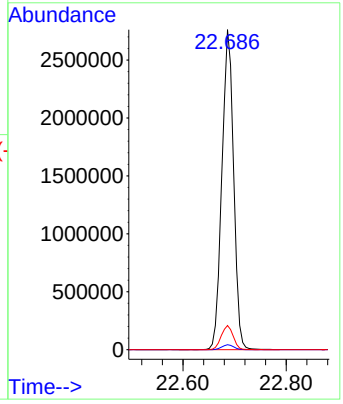





#85
Di-n-octyl phthalate
Concen: 88.50 ng
RT: 22.686 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:149 Resp: 434165

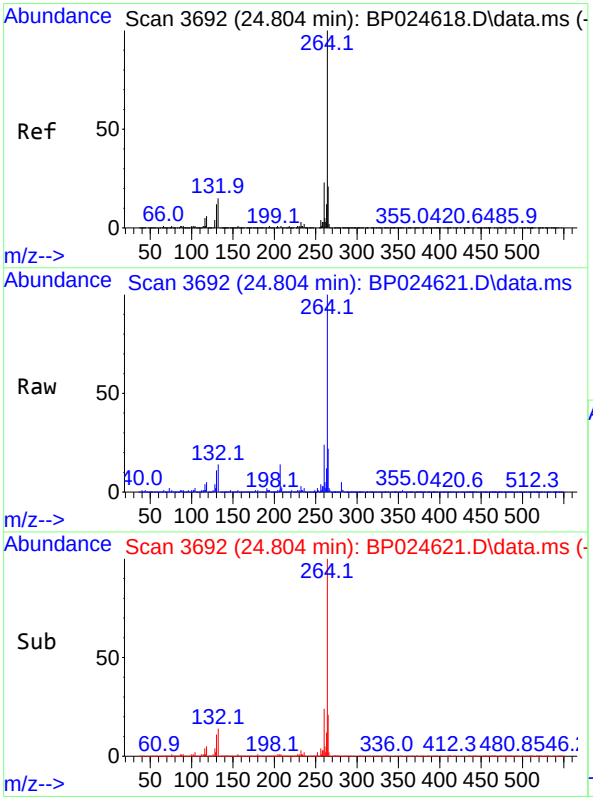
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.2 | 1.8 |
| 43 | 7.6 | 6.3 | 9.5 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

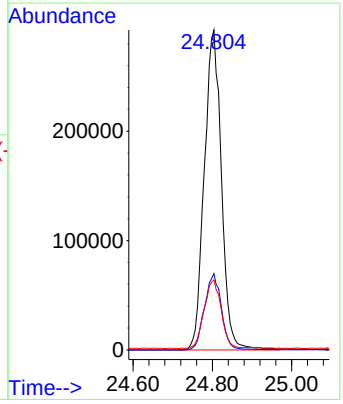
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

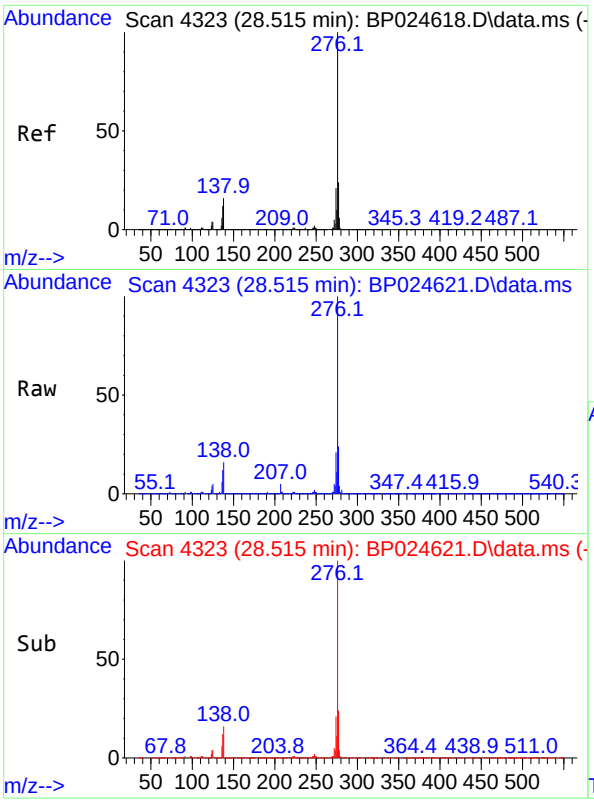



#86
Perylene-d12
Concen: 20.00 ng
RT: 24.804 min Scan# 3692
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:264 Resp: 877352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 18.7 | 28.1 |
| 265 | 21.9 | 17.0 | 25.6 |

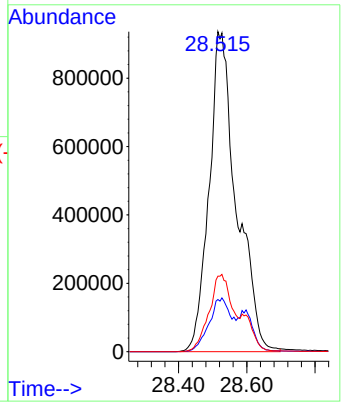





#87
Indeno(1,2,3-cd)pyrene
Concen: 81.85 ng m
RT: 28.515 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:276 Resp: 524399

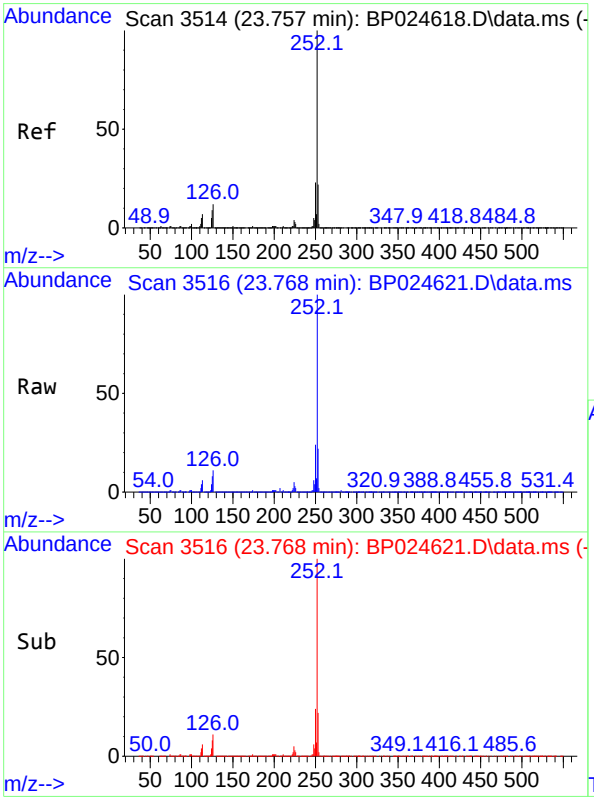
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 13.7 | 11.2 | 16.8 |
| 277 | 20.5 | 15.7 | 23.5 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

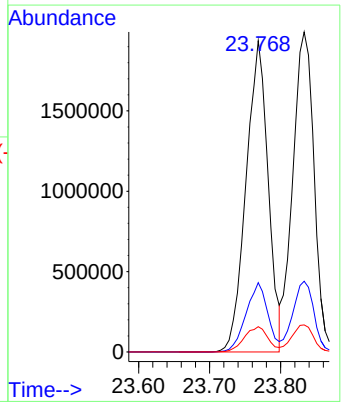
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

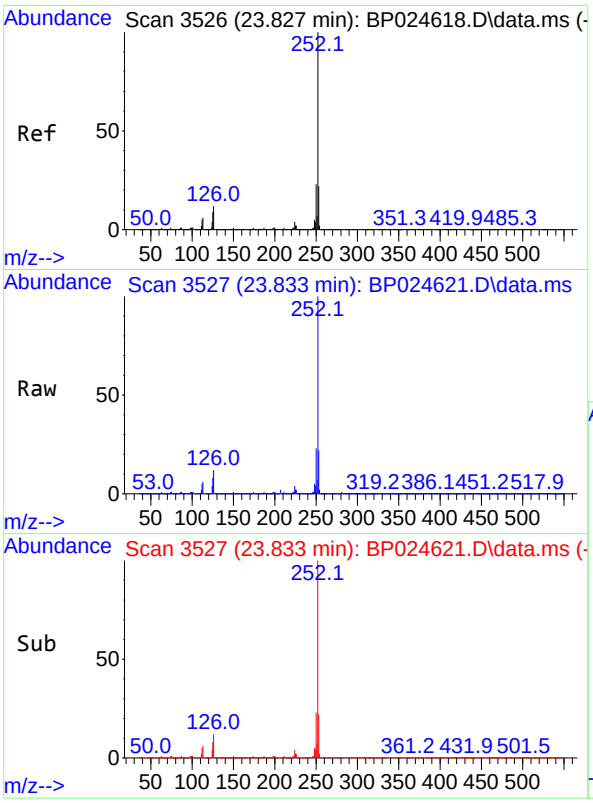



#88
Benzo(b)fluoranthene
Concen: 83.11 ng
RT: 23.768 min Scan# 3516
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:252 Resp: 4173798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.7 | 26.5 |
| 125 | 8.2 | 7.5 | 11.3 |

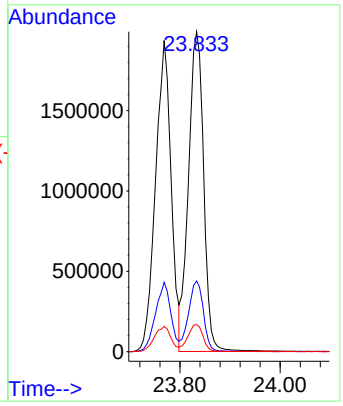





#89
Benzo(k)fluoranthene
Concen: 80.40 ng
RT: 23.833 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:252 Resp: 416026

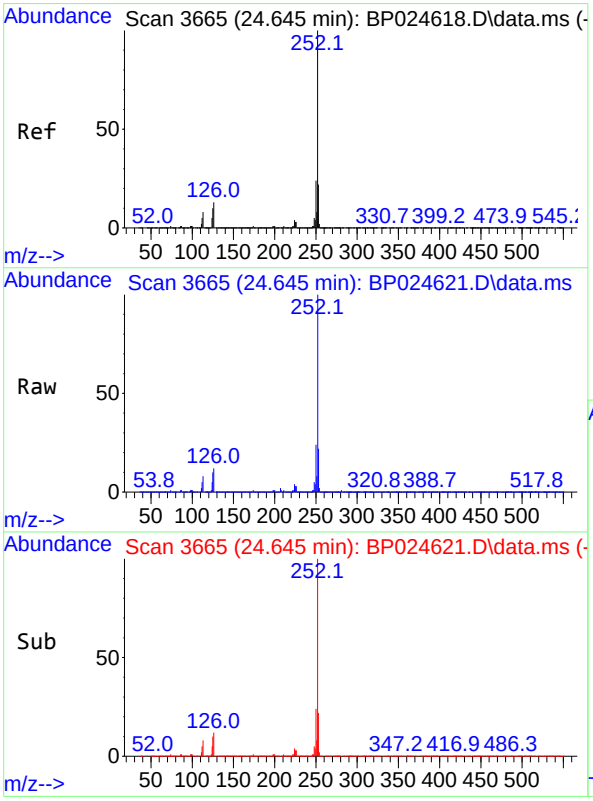
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.6 | 26.4 |
| 125 | 8.5 | 7.0 | 10.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

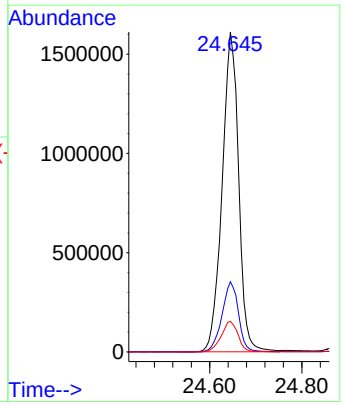
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

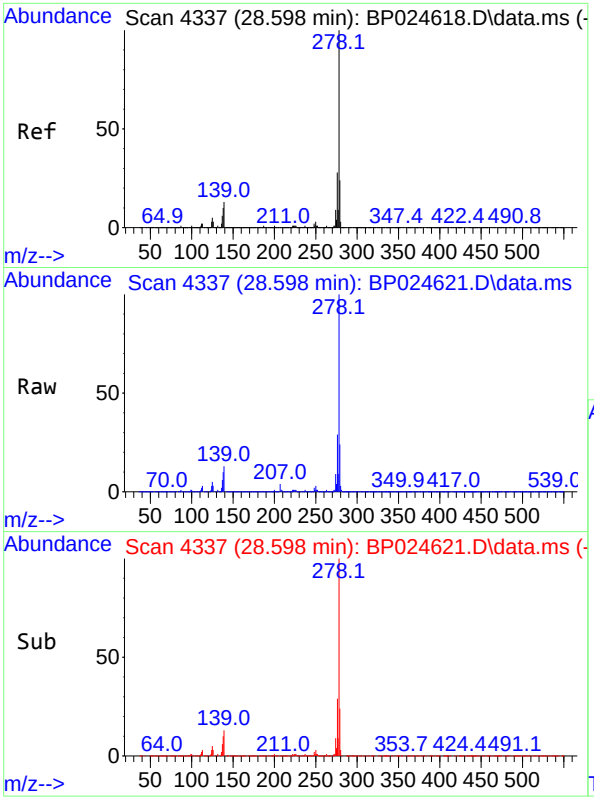



#90
Benzo(a)pyrene
Concen: 82.69 ng
RT: 24.645 min Scan# 3665
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:252 Resp: 3988360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.7 | 26.5 |
| 125 | 9.5 | 8.1 | 12.1 |

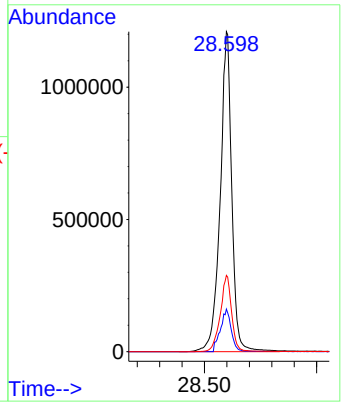





#91
Dibenzo(a,h)anthracene
Concen: 83.26 ng
RT: 28.598 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:278 Resp: 433851

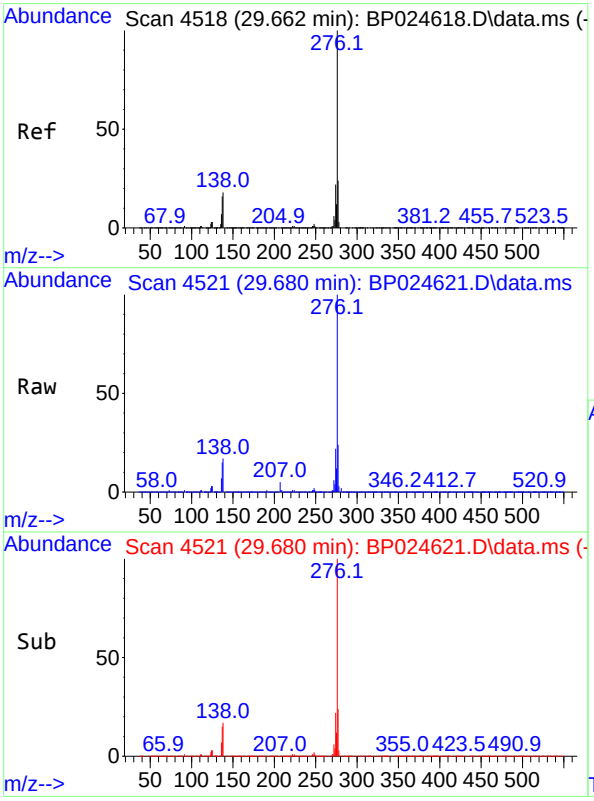
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.3 | 10.2 | 15.4 |
| 279 | 23.9 | 19.0 | 28.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

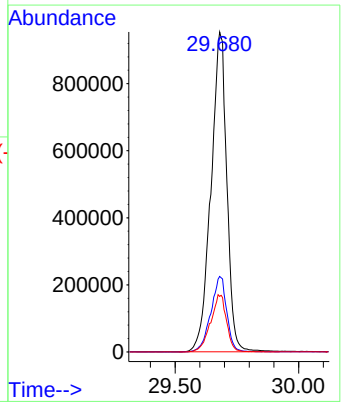
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025




#92
Benzo(g,h,i)perylene
Concen: 82.08 ng
RT: 29.680 min Scan# 4521
Delta R.T. 0.018 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:276 Resp: 4253459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 19.0 | 28.4 |
| 138 | 17.3 | 14.4 | 21.6 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.657 | 152 | 144423 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.434 | 136 | 621777 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.292 | 164 | 391112 | 20.00 | ng | -0.01 |
| 64) Phenanthrene-d10 | 17.092 | 188 | 780511 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.521 | 240 | 868822 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 24.815 | 264 | 1015341 | 20.00 | ng | 0.01 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.287 | 112 | 658249 | 77.95 | ng | 0.00 |
| 7) Phenol-d6 | 6.852 | 99 | 852330 | 79.09 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.810 | 82 | 962660 | 78.23 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.810 | 330 | 520660 | 78.53 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 12.904 | 172 | 2290715 | 76.73 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.822 | 244 | 3889002 | 76.75 | ng | 0.01 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.222 | 88 | 145871 | 36.79 | ng | 99 |
| 3) Pyridine | 3.622 | 79 | 347515 | 39.53 | ng | 97 |
| 4) n-Nitrosodimethylamine | 3.528 | 42 | 147412 | 37.98 | ng | 98 |
| 6) Aniline | 6.999 | 93 | 545556 | 39.21 | ng | 100 |
| 8) 2-Chlorophenol | 7.234 | 128 | 377358 | 39.37 | ng | 97 |
| 9) Benzaldehyde | 6.816 | 77 | 272303 | 39.03 | ng | 99 |
| 10) Phenol | 6.881 | 94 | 434788 | 39.09 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 7.093 | 93 | 346744 | 37.94 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.552 | 146 | 417899 | 37.89 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 7.699 | 146 | 420432 | 37.90 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.010 | 146 | 409587 | 37.90 | ng | 99 |
| 15) Benzyl Alcohol | 7.904 | 79 | 332015 | 40.54 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.181 | 45 | 416339 | 38.04 | ng | 99 |
| 17) 2-Methylphenol | 8.110 | 107 | 316066 | 39.62 | ng | 99 |
| 18) Hexachloroethane | 8.728 | 117 | 158167 | 37.21 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 8.463 | 70 | 291961 | 39.16 | ng | 99 |
| 20) 3+4-Methylphenols | 8.434 | 107 | 429326 | 39.56 | ng | 99 |
| 22) Acetophenone | 8.475 | 105 | 597464 | 38.47 | ng | 99 |
| 24) Nitrobenzene | 8.851 | 77 | 416985 | 38.50 | ng | 96 |
| 25) Isophorone | 9.375 | 82 | 821637 | 38.49 | ng | 99 |
| 26) 2-Nitrophenol | 9.557 | 139 | 218211 | 41.12 | ng | 95 |
| 27) 2,4-Dimethylphenol | 9.622 | 122 | 369418 | 39.48 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 9.851 | 93 | 493722 | 38.71 | ng | 100 |
| 29) 2,4-Dichlorophenol | 10.093 | 162 | 364373 | 40.19 | ng | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.298 | 180 | 389362 | 38.11 | ng | 98 |
| 31) Naphthalene | 10.481 | 128 | 1226624 | 38.07 | ng | 100 |
| 32) Benzoic acid | 9.781 | 122 | 223660 | 36.46 | ng | 98 |
| 33) 4-Chloroaniline | 10.598 | 127 | 524873 | 40.37 | ng | 99 |
| 34) Hexachlorobutadiene | 10.763 | 225 | 246776 | 37.29 | ng | 98 |
| 35) Caprolactam | 11.387 | 113 | 130399 | 39.75 | ng | 99 |
| 36) 4-Chloro-3-methylphenol | 11.740 | 107 | 431344 | 39.01 | ng | 100 |
| 37) 2-Methylnaphthalene | 12.098 | 142 | 789724 | 37.85 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.316 | 142 | 833521 | 37.34 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.469 | 216 | 444420 | 39.13 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 12.445 | 237 | 305575 | 44.37 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 12.716 | 196 | 305651 | 41.55 | ng | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.798 | 196 | 336252 | 41.06 | ng | 97 |
| 46) 1,1'-Biphenyl | 13.116 | 154 | 1124669 | 38.91 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.157 | 162 | 864853 | 39.24 | ng | 98 |
| 48) 2-Nitroaniline | 13.369 | 65 | 264965 | 40.60 | ng | 97 |
| 49) Acenaphthylene | 14.010 | 152 | 1419821 | 38.49 | ng | 100 |
| 50) Dimethylphthalate | 13.751 | 163 | 1155211 | 38.75 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 13.875 | 165 | 247537 | 39.32 | ng | 99 |
| 52) Acenaphthene | 14.357 | 154 | 803755 | 37.90 | ng | 99 |
| 53) 3-Nitroaniline | 14.210 | 138 | 262737 | 40.87 | ng | 100 |
| 54) 2,4-Dinitrophenol | 14.428 | 184 | 135624 | 37.83 | ng | 96 |
| 55) Dibenzofuran | 14.698 | 168 | 1282228 | 37.91 | ng | 99 |
| 56) 4-Nitrophenol | 14.545 | 139 | 202528 | 38.70 | ng | 97 |
| 57) 2,4-Dinitrotoluene | 14.675 | 165 | 354817 | 39.97 | ng | 99 |
| 58) Fluorene | 15.357 | 166 | 1059642 | 38.42 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.934 | 232 | 298327 | 39.27 | ng | 99 |
| 60) Diethylphthalate | 15.134 | 149 | 1150091 | 38.17 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.357 | 204 | 526066 | 38.25 | ng | 99 |
| 62) 4-Nitroaniline | 15.398 | 138 | 265185 | 42.72 | ng | 98 |
| 63) Azobenzene | 15.657 | 77 | 1000653 | 38.82 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.451 | 198 | 203200 | 40.30 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 15.575 | 169 | 920187 | 38.38 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.269 | 248 | 357846 | 38.91 | ng | 97 |
| 68) Hexachlorobenzene | 16.386 | 284 | 446142 | 38.18 | ng | 99 |
| 69) Atrazine | 16.551 | 200 | 347661 | 39.57 | ng | 99 |
| 70) Pentachlorophenol | 16.739 | 266 | 269781 | 41.12 | ng | 99 |
| 71) Phenanthrene | 17.133 | 178 | 1629118 | 37.55 | ng | 99 |
| 72) Anthracene | 17.228 | 178 | 1669395 | 38.24 | ng | 100 |
| 73) Carbazole | 17.510 | 167 | 1563685 | 39.57 | ng | 99 |
| 74) Di-n-butylphthalate | 18.098 | 149 | 1978741 | 38.94 | ng | 100 |
| 75) Fluoranthene | 19.222 | 202 | 1956043 | 38.57 | ng | 100 |
| 77) Benzidine | 19.422 | 184 | 1023514 | 43.25 | ng | 99 |
| 78) Pyrene | 19.604 | 202 | 1992845 | 38.28 | ng | 100 |
| 80) Butylbenzylphthalate | 20.557 | 149 | 938210 | 40.52 | ng | 96 |
| 81) Benzo(a)anthracene | 21.510 | 228 | 2121561 | 38.89 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.433 | 252 | 861323 | 42.51 | ng | 100 |
| 83) Chrysene | 21.574 | 228 | 1976940 | 38.23 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.445 | 149 | 1375919 | 40.43 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.698 | 149 | 2321673 | 41.72 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.515 | 276 | 2879864m | 38.85 | ng | |
| 88) Benzo(b)fluoranthene | 23.768 | 252 | 2283322 | 39.29 | ng | 100 |
| 89) Benzo(k)fluoranthene | 23.833 | 252 | 2289000 | 38.22 | ng | 100 |
| 90) Benzo(a)pyrene | 24.668 | 252 | 2177020 | 39.00 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.615 | 278 | 2374558 | 39.38 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 29.686 | 276 | 2333151 | 38.91 | ng | 100 |

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

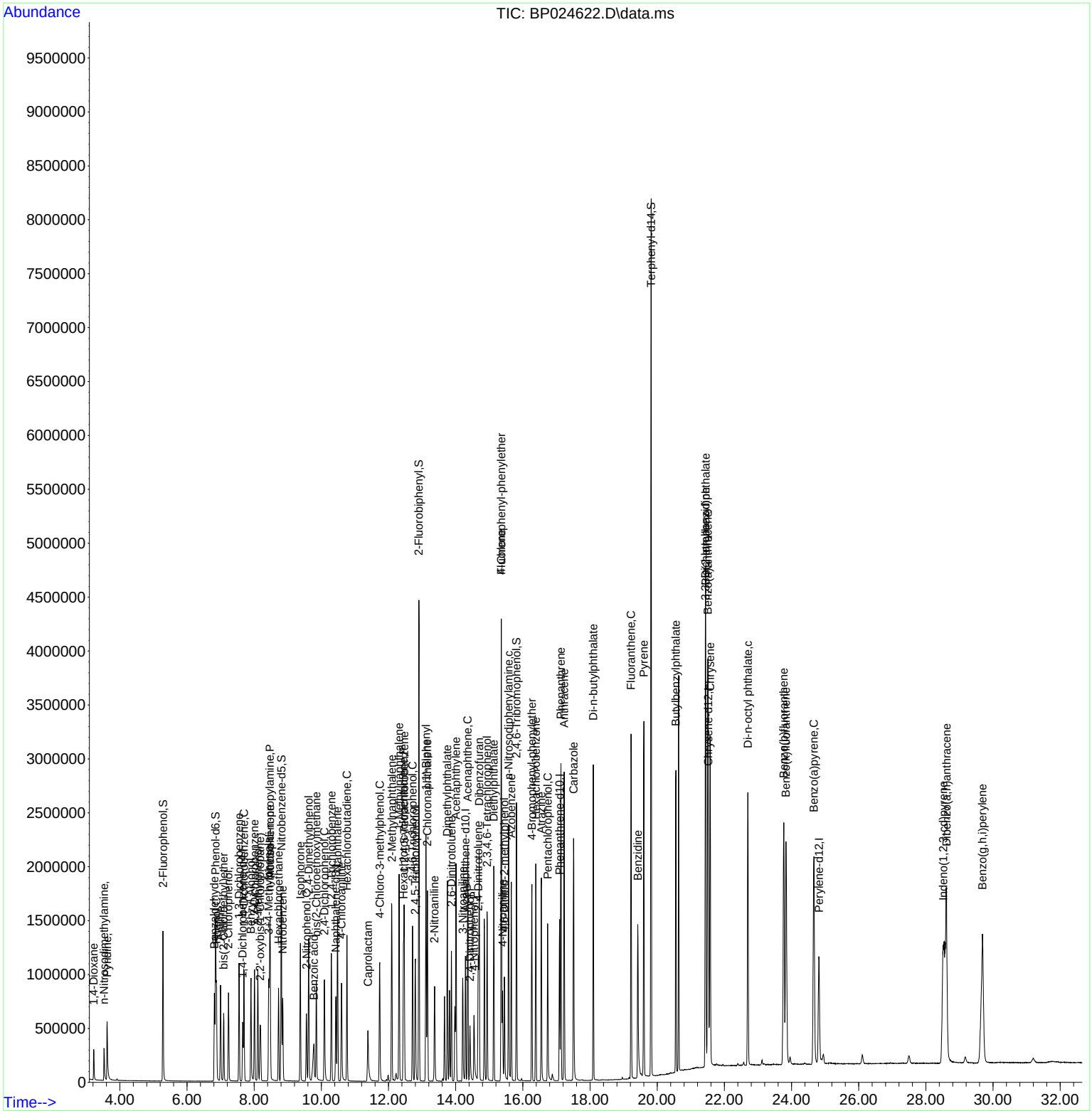
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

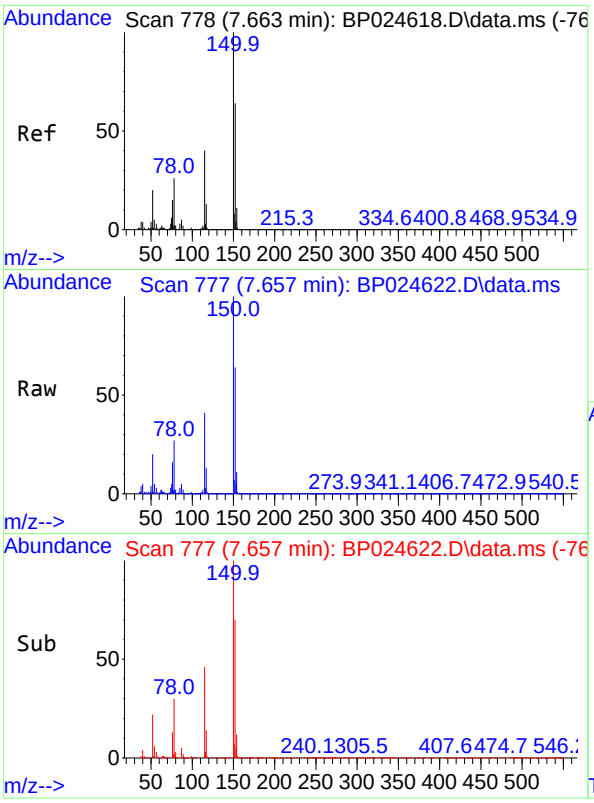
Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

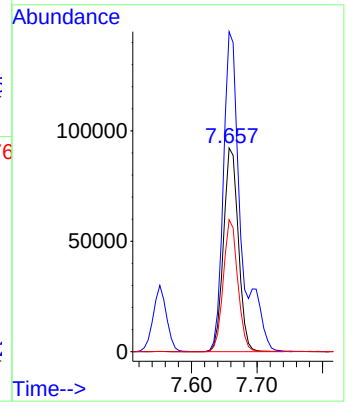





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:152 Resp: 14442

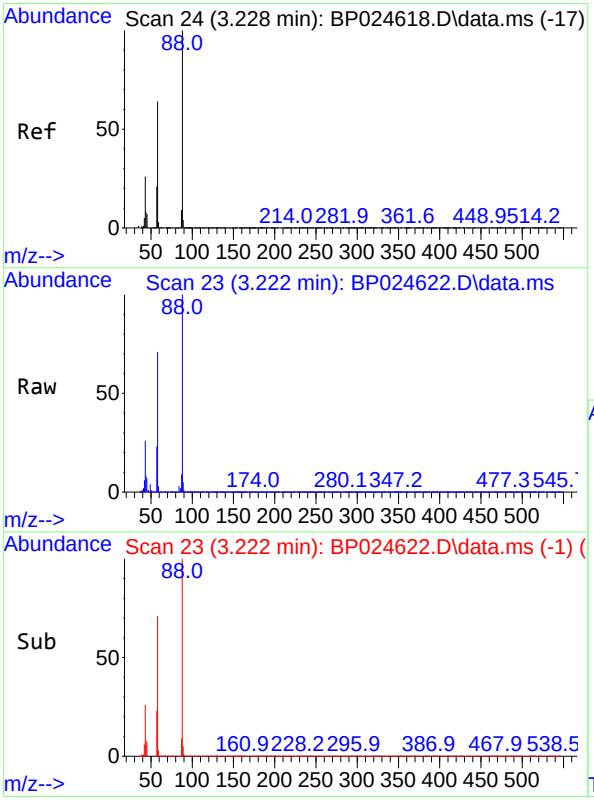
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.1 | 125.9 | 188.9 |
| 115 | 64.8 | 50.1 | 75.1 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

**Manual Integrations APPROVED**

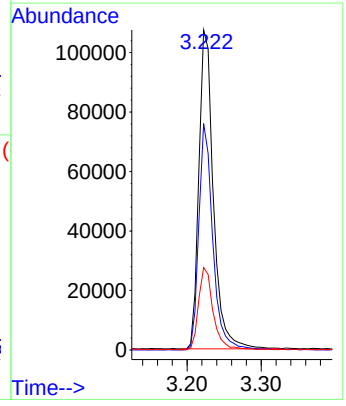
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

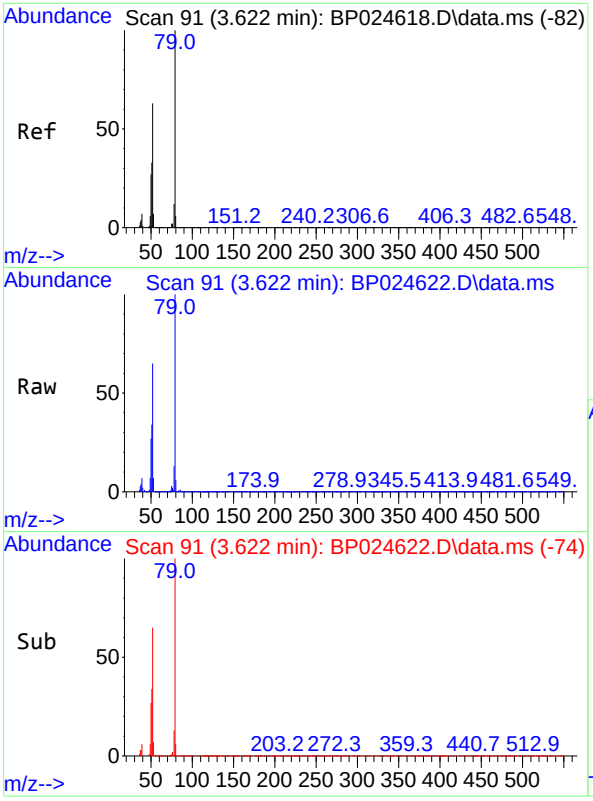



#2
1,4-Dioxane
Concen: 36.79 ng
RT: 3.222 min Scan# 23
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 88 Resp: 145871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 68.6 | 54.0 | 81.0 |
| 43 | 25.9 | 21.4 | 32.0 |

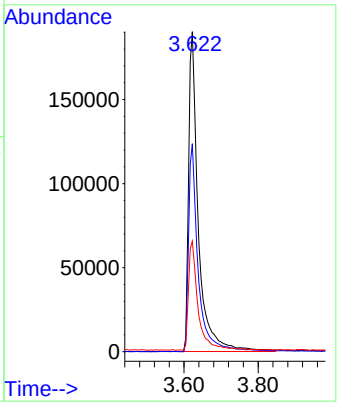





#3
Pyridine
Concen: 39.53 ng
RT: 3.622 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 79 Resp: 34751

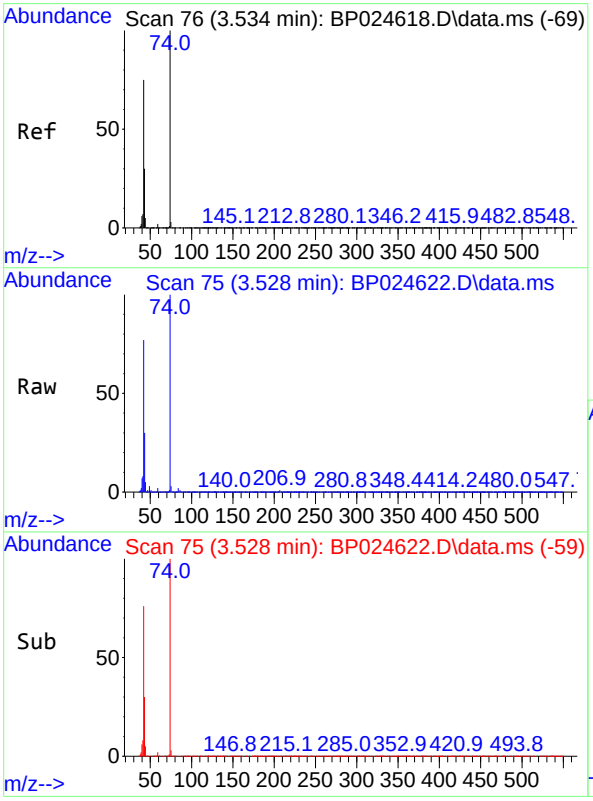
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 65.0 | 50.2 | 75.2 |
| 51 | 34.5 | 26.8 | 40.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

**Manual Integrations APPROVED**

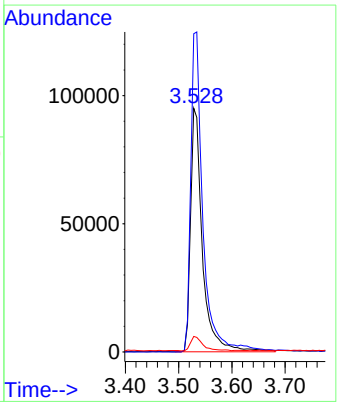
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

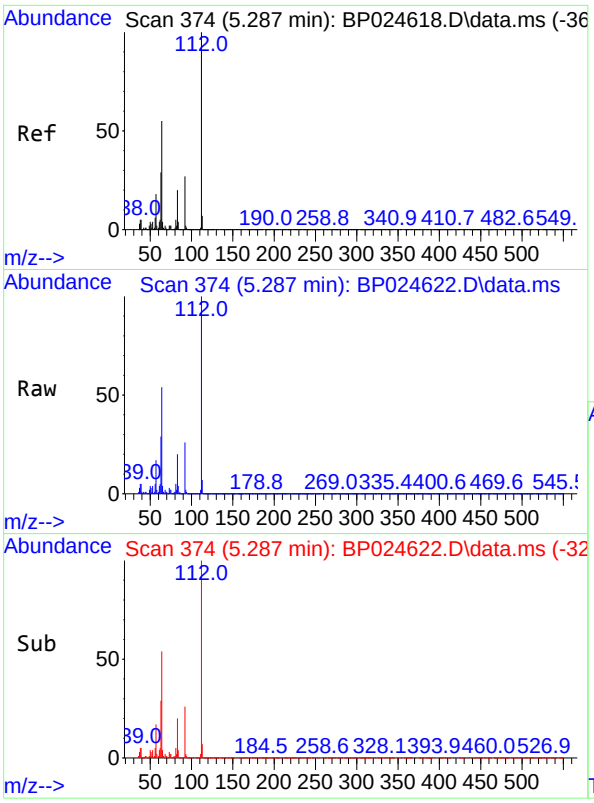



#4
n-Nitrosodimethylamine
Concen: 37.98 ng
RT: 3.528 min Scan# 75
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 42 Resp: 147412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 130.6 | 106.2 | 159.2 |
| 44 | 6.4 | 5.4 | 8.2 |

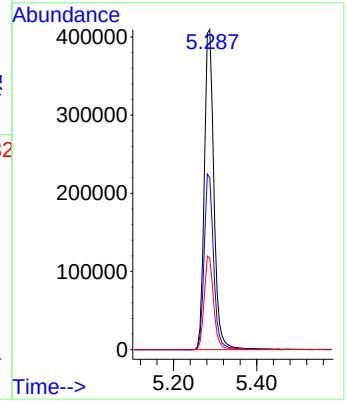





#5
2-Fluorophenol
Concen: 77.95 ng
RT: 5.287 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:112 Resp: 65824

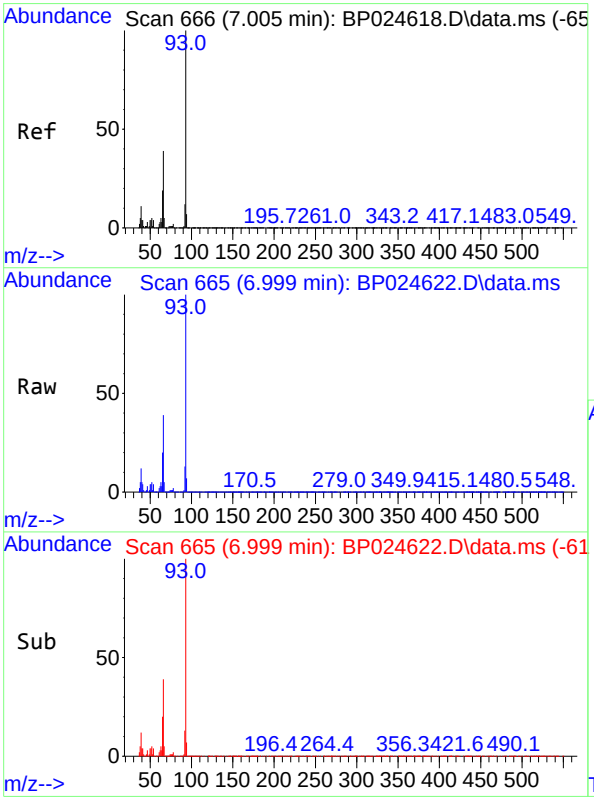
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.7 | 44.1 | 66.1 |
| 63 | 28.7 | 23.5 | 35.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

**Manual Integrations APPROVED**

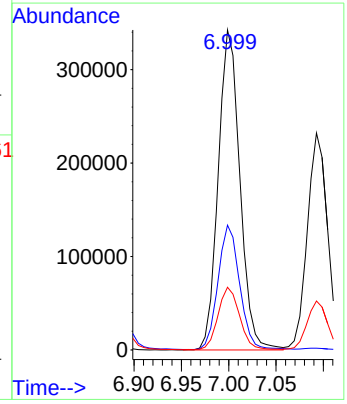
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

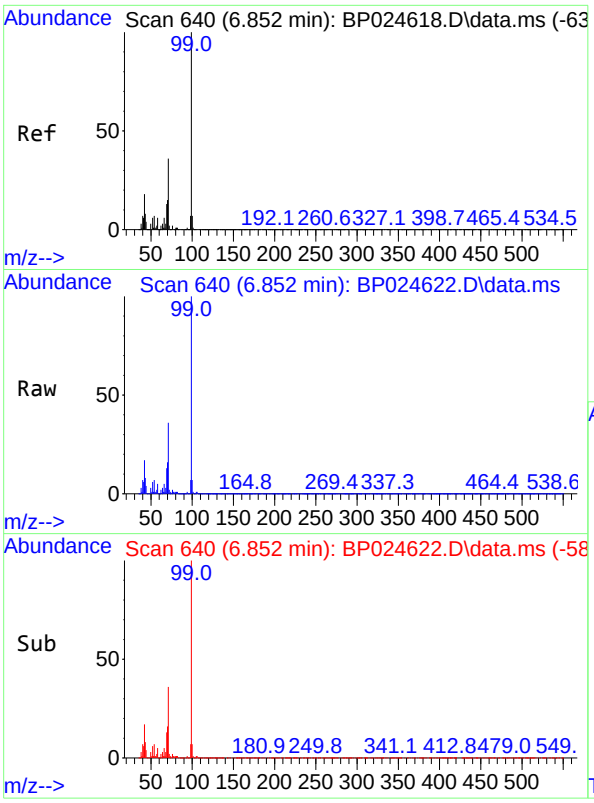



#6
Aniline
Concen: 39.21 ng
RT: 6.999 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 93 Resp: 545556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.0 | 31.0 | 46.6 |
| 65 | 19.6 | 15.5 | 23.3 |

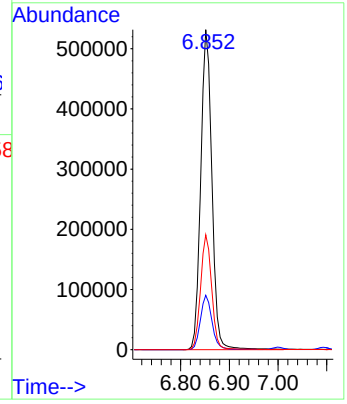





#7
Phenol-d6
Concen: 79.09 ng
RT: 6.852 min Scan# 64
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 99 Resp: 85233

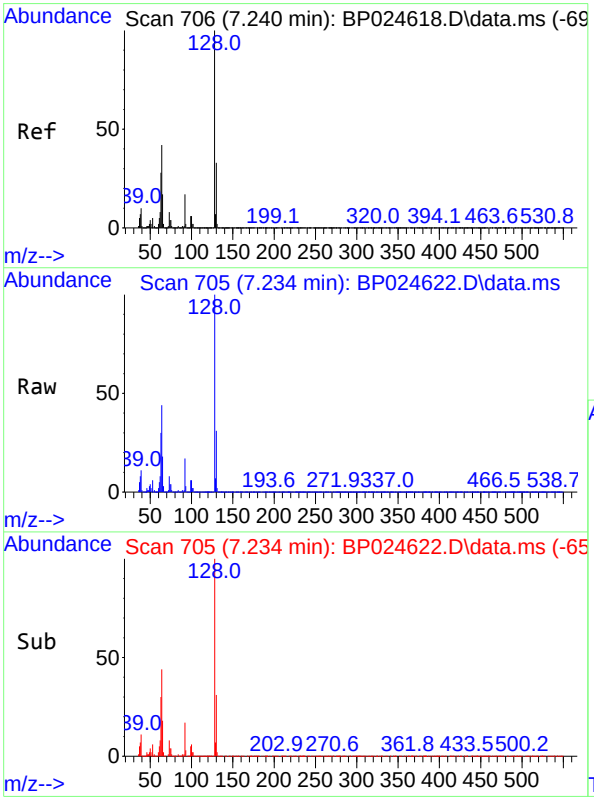
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.0 | 14.4 | 21.6 |
| 71 | 35.9 | 29.2 | 43.8 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

**Manual Integrations APPROVED**

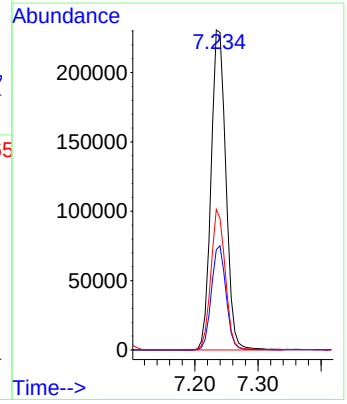
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

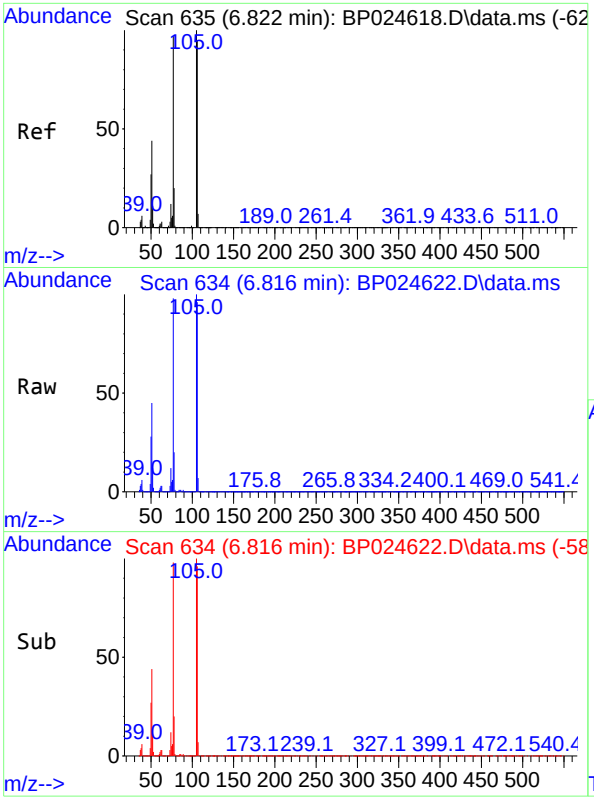



#8
2-Chlorophenol
Concen: 39.37 ng
RT: 7.234 min Scan# 705
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:128 Resp: 377358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 31.4 | 13.0 | 53.0 |
| 64 | 43.9 | 22.3 | 62.3 |

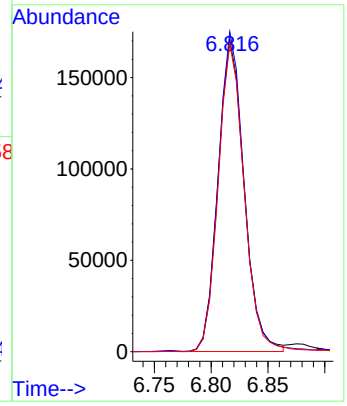





#9
Benzaldehyde
Concen: 39.03 ng
RT: 6.816 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 77 Resp: 27230

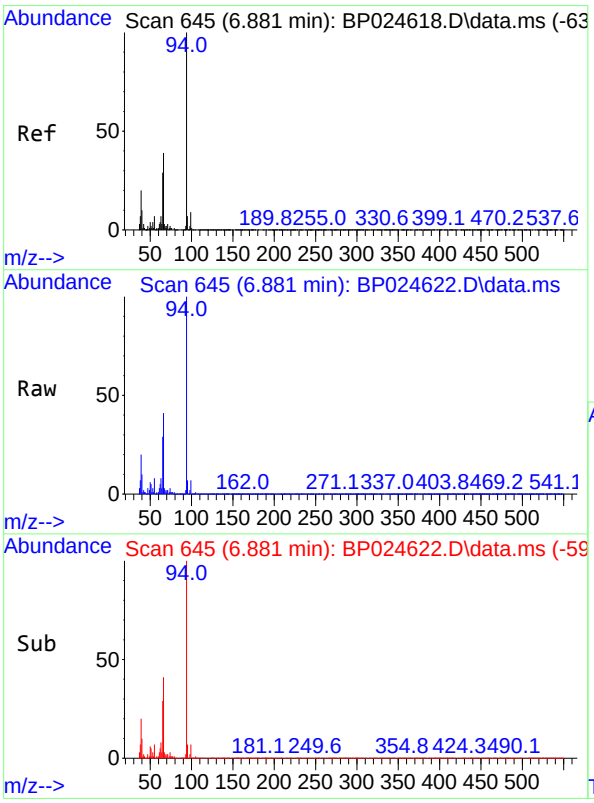
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 102.4 | 83.3 | 123.3 |
| 106 | 98.5 | 78.0 | 118.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

**Manual Integrations APPROVED**

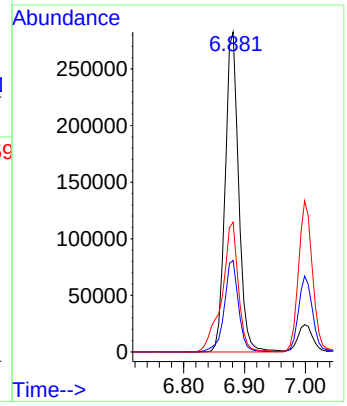
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

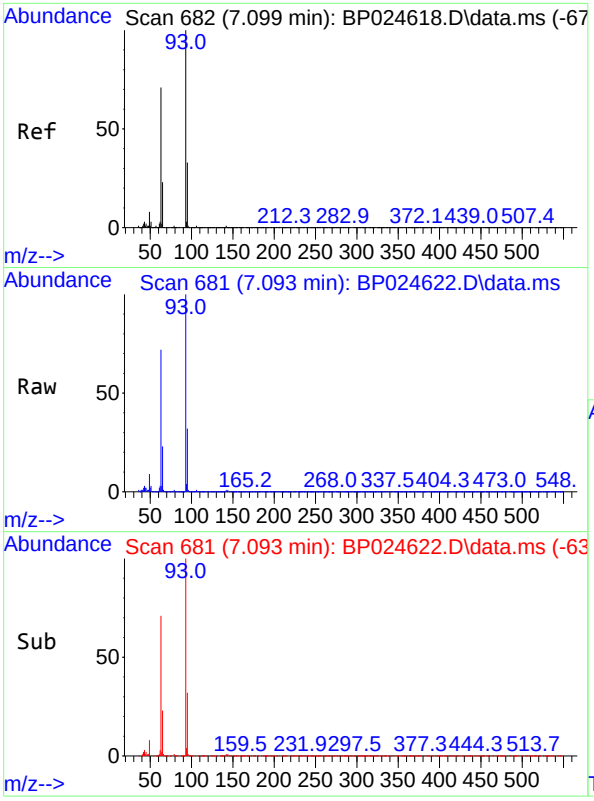



#10
Phenol
Concen: 39.09 ng
RT: 6.881 min Scan# 645
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 94 Resp: 434788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.6 | 8.7 | 48.7 |
| 66 | 40.5 | 19.4 | 59.4 |

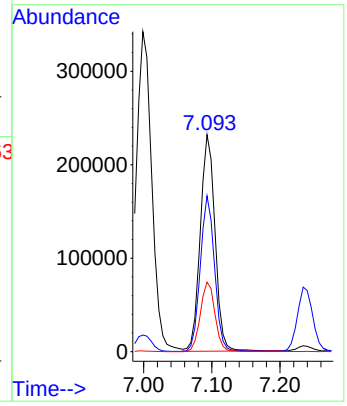





#11
bis(2-Chloroethyl)ether
Concen: 37.94 ng
RT: 7.093 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 93 Resp: 34674

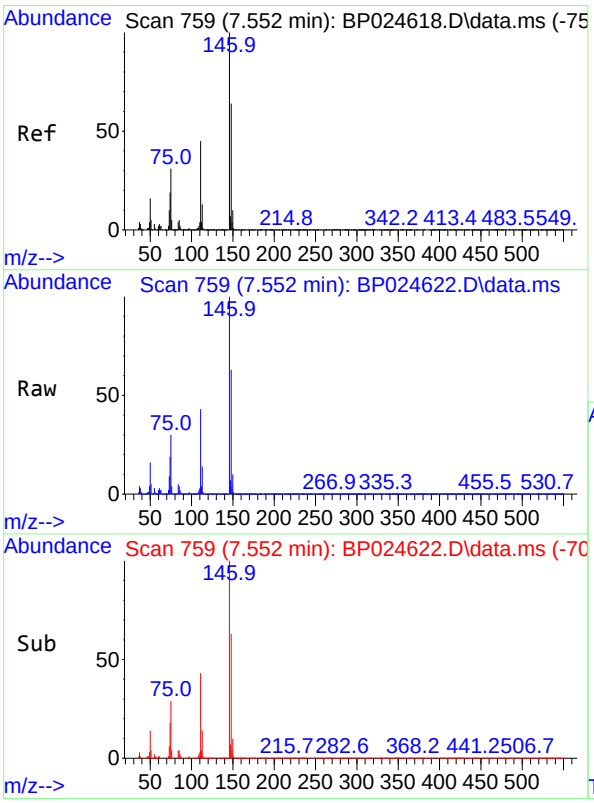
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 71.9 | 50.6 | 90.6 |
| 95 | 32.1 | 12.9 | 52.9 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

**Manual Integrations APPROVED**

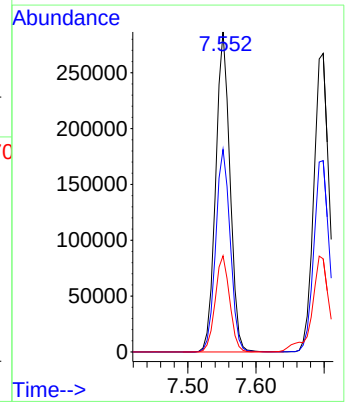
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

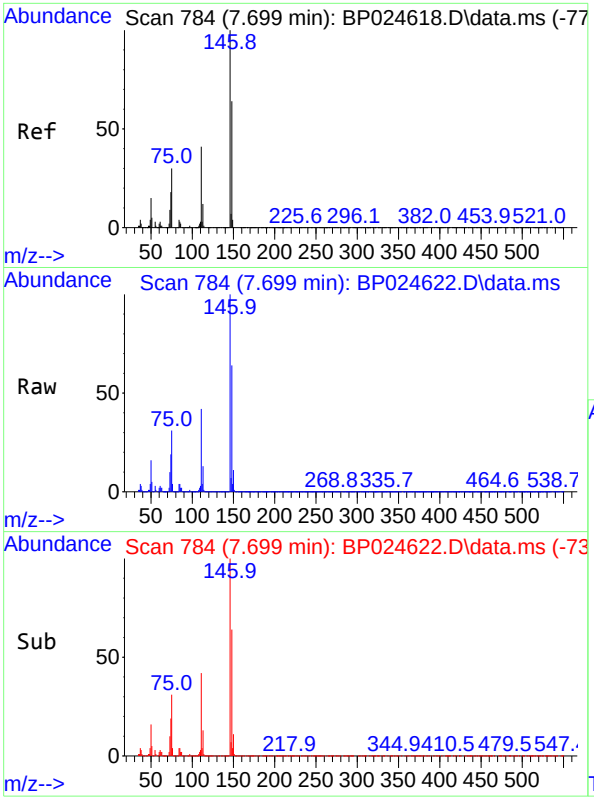



#12
1,3-Dichlorobenzene
Concen: 37.89 ng
RT: 7.552 min Scan# 759
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:146 Resp: 417899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 51.4 | 77.2 |
| 75 | 30.1 | 25.2 | 37.8 |

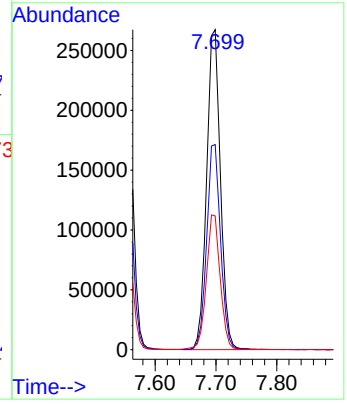





#13
1,4-Dichlorobenzene
Concen: 37.90 ng
RT: 7.699 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:146 Resp: 42043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.1 | 51.0 | 76.6 |
| 111 | 41.8 | 33.0 | 49.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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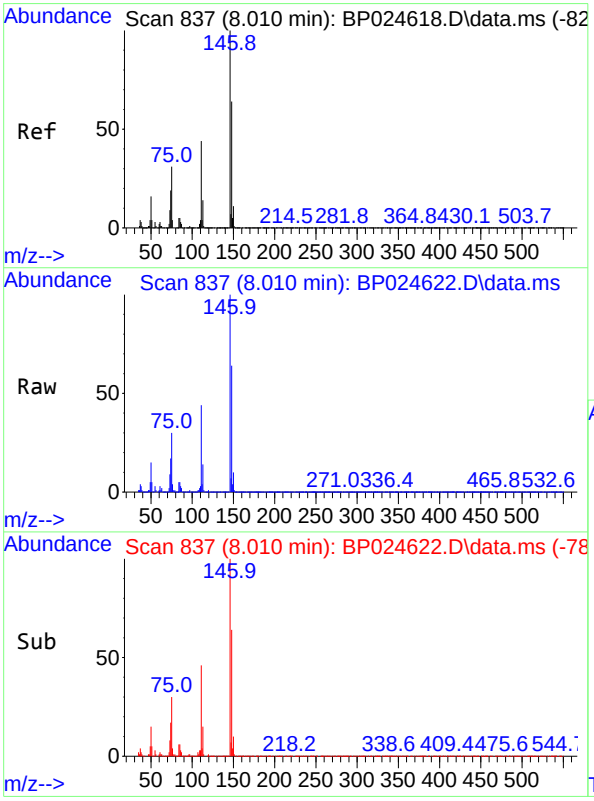
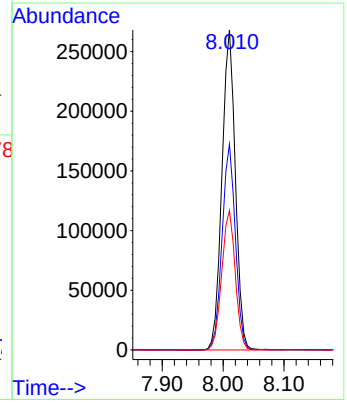
Supervised By :Jagrut Upadhyay 05/14/2025

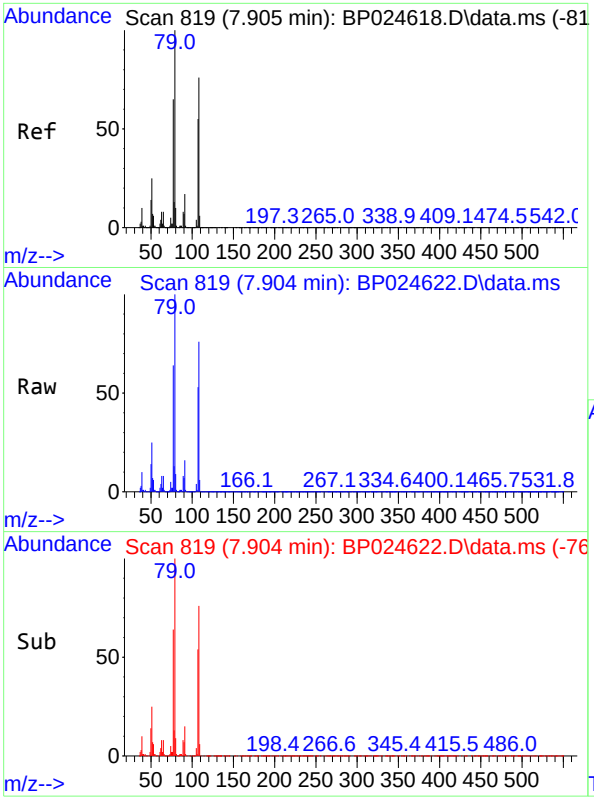



#14
1,2-Dichlorobenzene
Concen: 37.90 ng
RT: 8.010 min Scan# 837
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:146 Resp: 409587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.3 | 51.0 | 76.4 |
| 111 | 43.6 | 35.2 | 52.8 |






#15
Benzyl Alcohol
Concen: 40.54 ng
RT: 7.904 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 79 Resp: 33201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.4 | 60.8 | 91.2 |
| 77 | 63.7 | 51.9 | 77.9 |

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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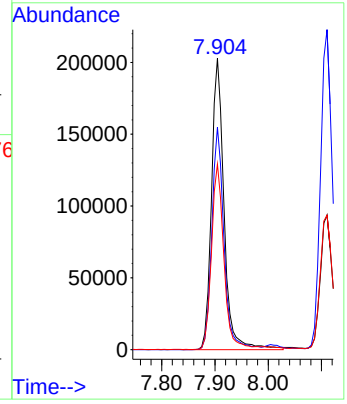
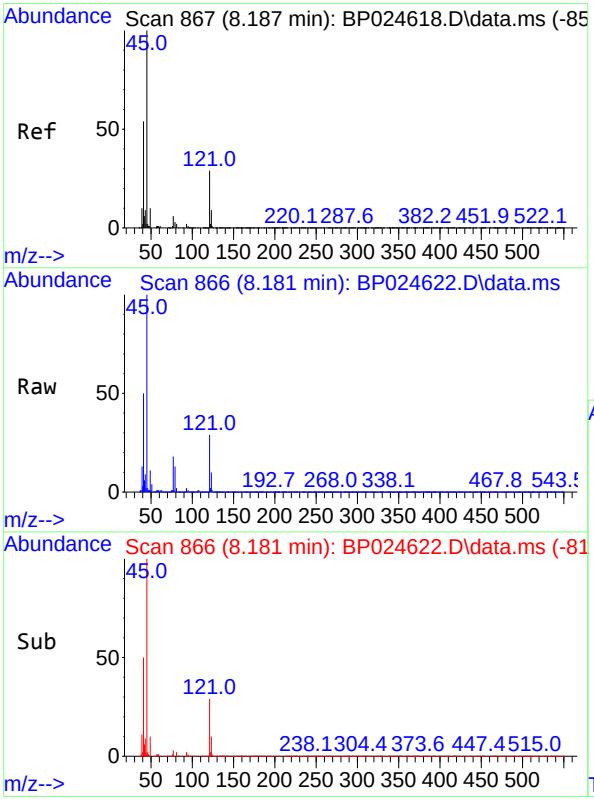
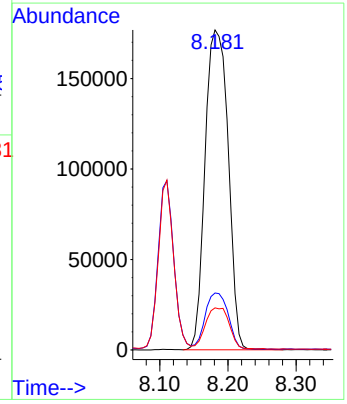


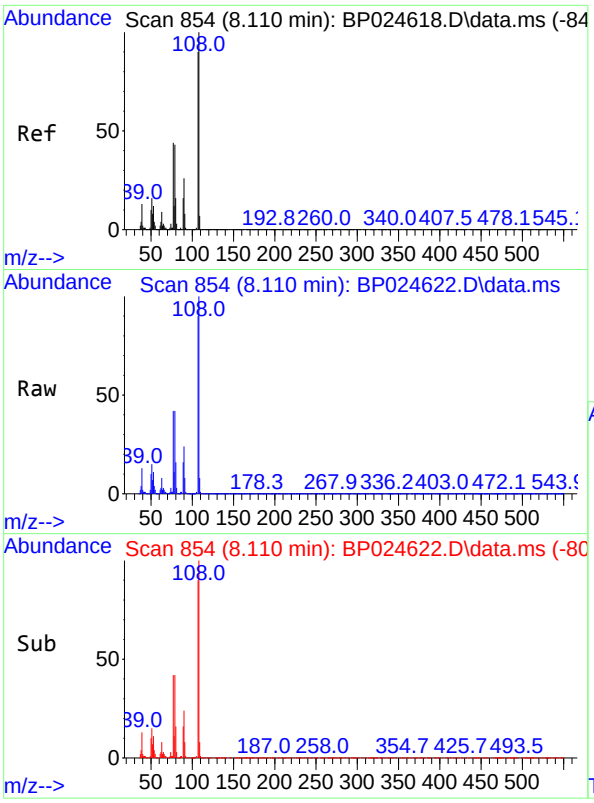




#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.04 ng
RT: 8.181 min Scan# 866
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 45 Resp: 416339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 17.8 | 0.0 | 37.7 |
| 79 | 13.2 | 0.0 | 34.0 |

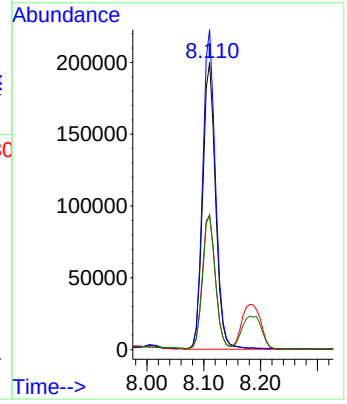





#17
2-Methylphenol
Concen: 39.62 ng
RT: 8.110 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:107 Resp: 31606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.5 | 88.9 | 133.3 |
| 77 | 46.8 | 39.0 | 58.6 |
| 79 | 47.0 | 38.4 | 57.6 |




**Instrument :**
BNA_P
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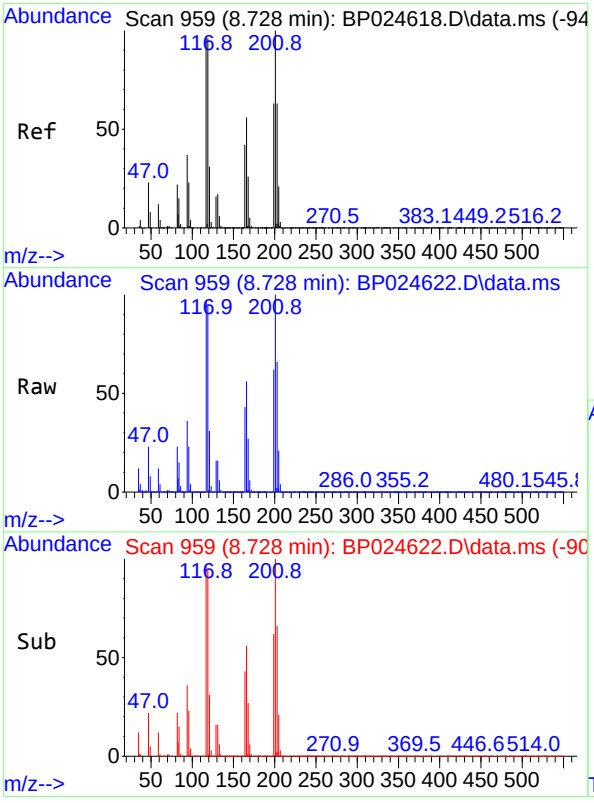
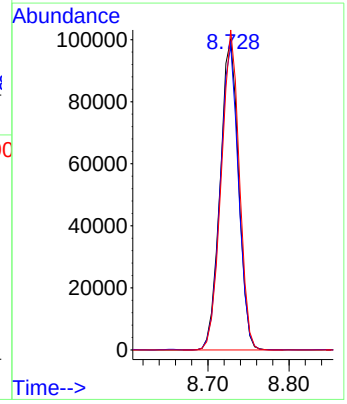
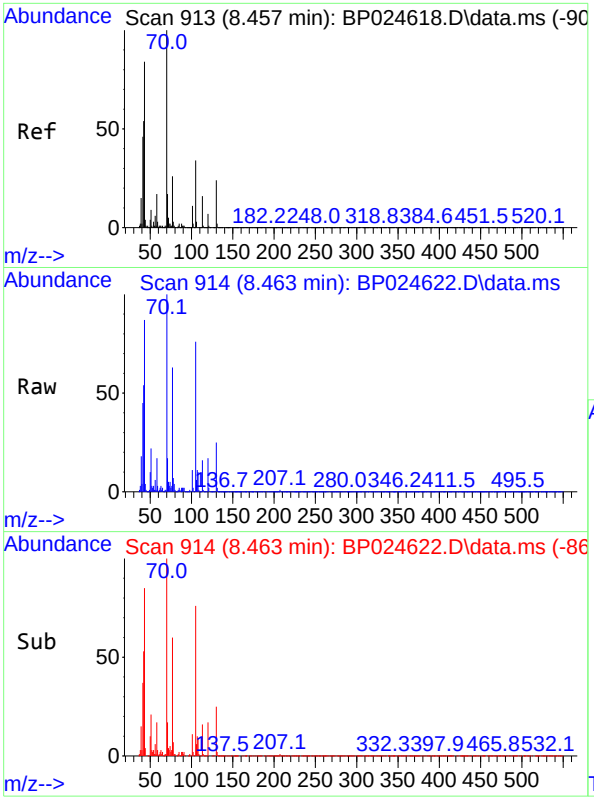



#18
Hexachloroethane
Concen: 37.21 ng
RT: 8.728 min Scan# 959
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:117 Resp: 158167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.9 | 79.4 | 119.0 |
| 201 | 103.0 | 82.7 | 124.1 |

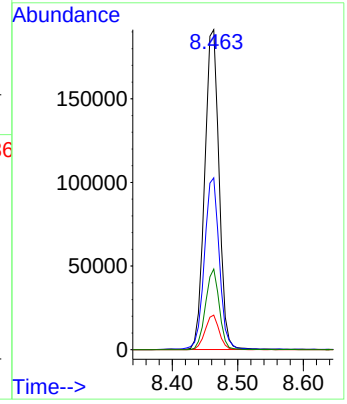





#19
n-Nitroso-di-n-propylamine
Concen: 39.16 ng
RT: 8.463 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 70 Resp: 29196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 53.7 | 43.0 | 64.6 |
| 101 | 10.8 | 8.7 | 13.1 |
| 130 | 25.2 | 19.4 | 29.0 |




**Instrument :**
BNA_P
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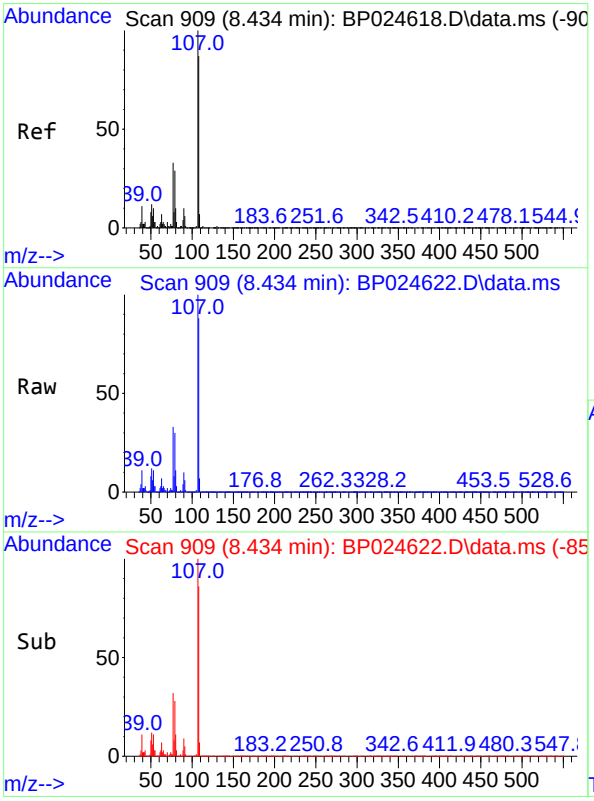
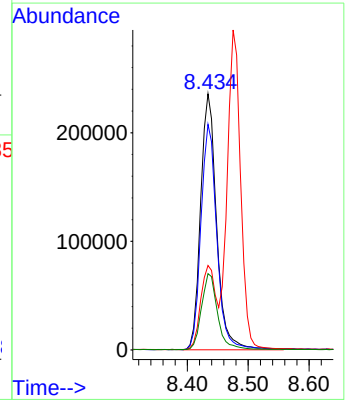
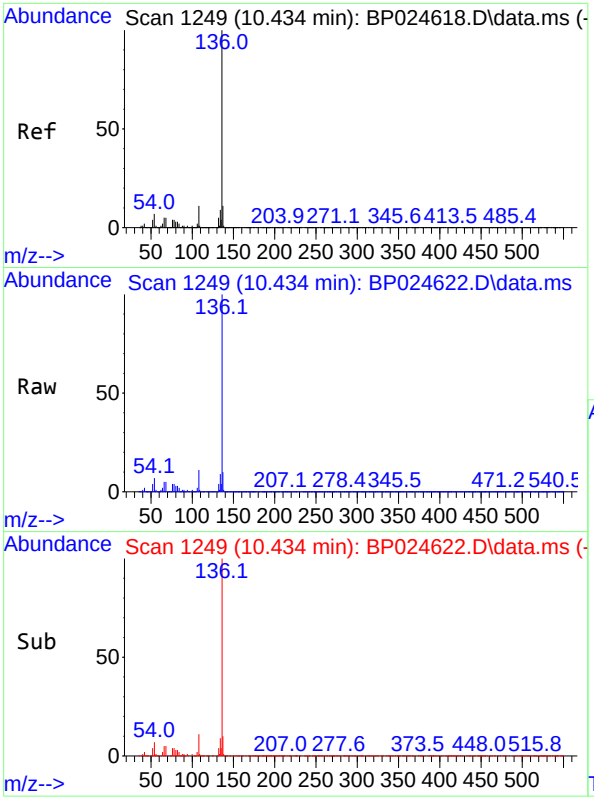



#20
3+4-Methylphenols
Concen: 39.56 ng
RT: 8.434 min Scan# 909
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:107 Resp: 429326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.1 | 66.7 | 106.7 |
| 77 | 33.0 | 13.1 | 53.1 |
| 79 | 29.8 | 8.9 | 48.9 |

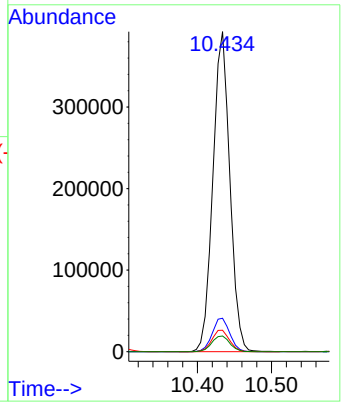





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:136 Resp: 62177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.4 | 8.8 | 13.2 |
| 54 | 6.7 | 5.5 | 8.3 |
| 68 | 4.9 | 4.2 | 6.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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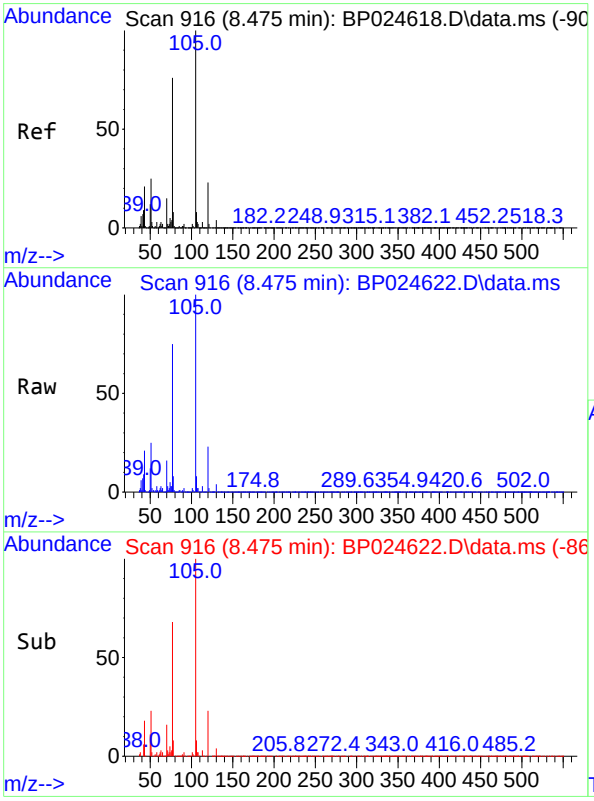
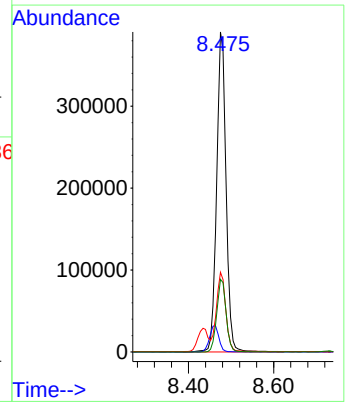
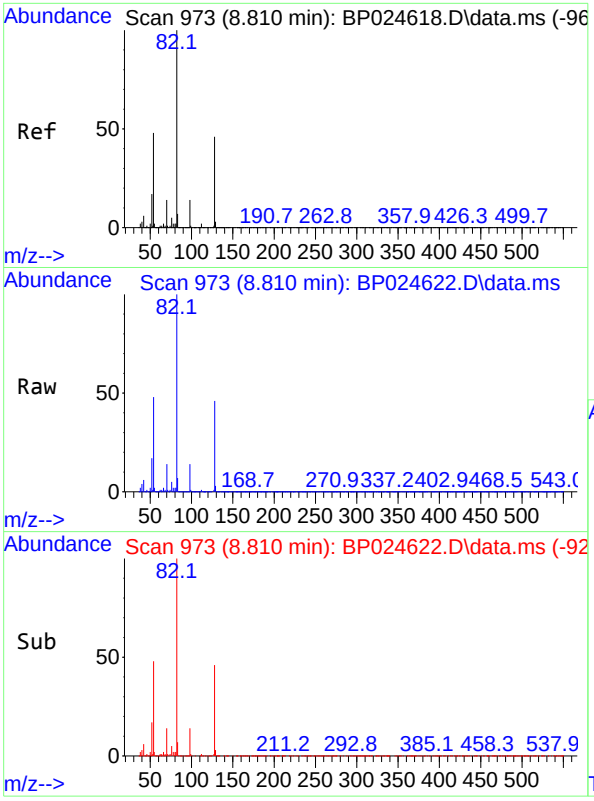



#22
Acetophenone
Concen: 38.47 ng
RT: 8.475 min Scan# 916
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:105 Resp: 597464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 2.6 | 2.0 | 3.0 |
| 51 | 24.9 | 20.4 | 30.6 |
| 120 | 22.7 | 18.1 | 27.1 |

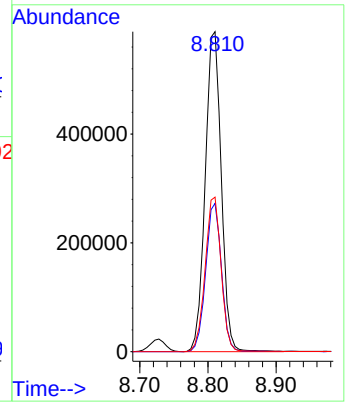





#23
Nitrobenzene-d5
Concen: 78.23 ng
RT: 8.810 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 82 Resp: 96266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.4 | 37.0 | 55.4 |
| 54 | 48.3 | 38.7 | 58.1 |




**Instrument :**
BNA_P
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ICVBP051325

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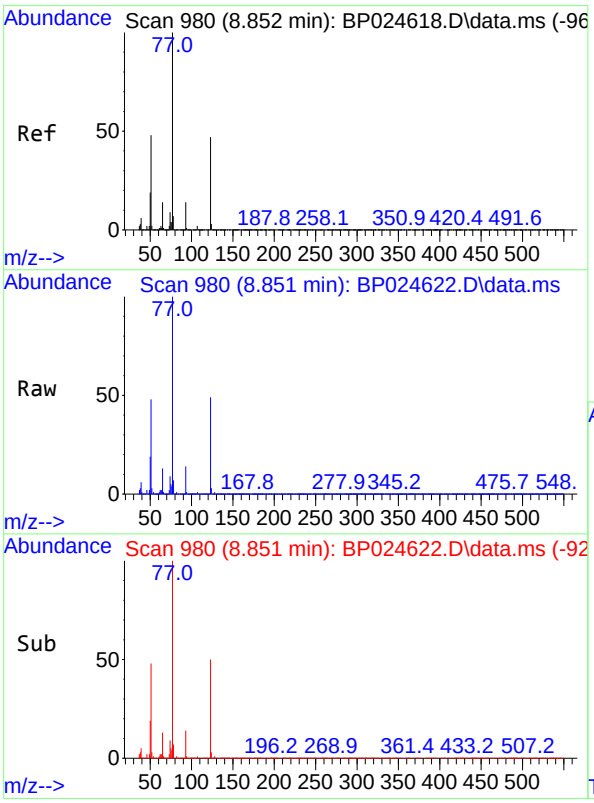
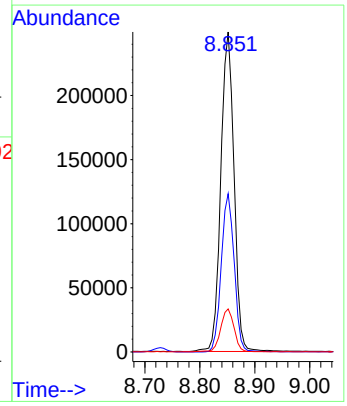
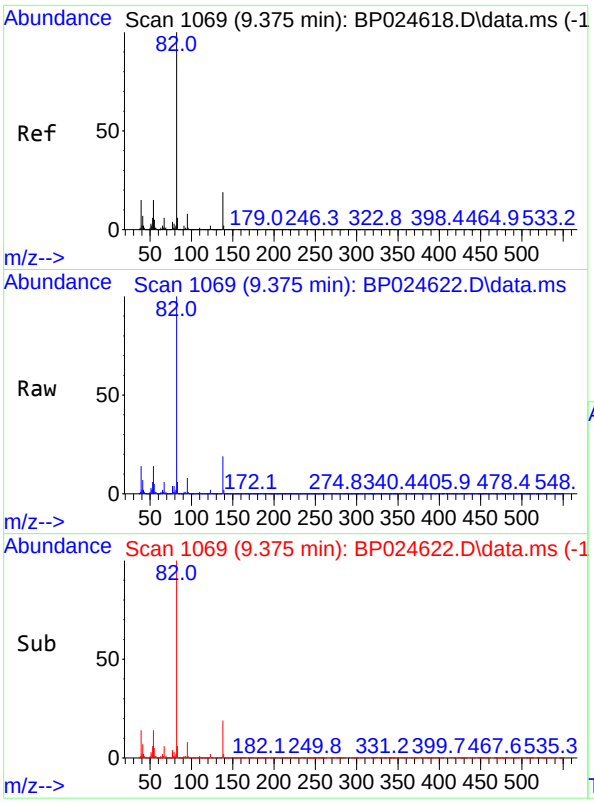



#24
Nitrobenzene
Concen: 38.50 ng
RT: 8.851 min Scan# 980
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 77 Resp: 416985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 49.5 | 37.4 | 56.0 |
| 65 | 13.5 | 11.3 | 16.9 |

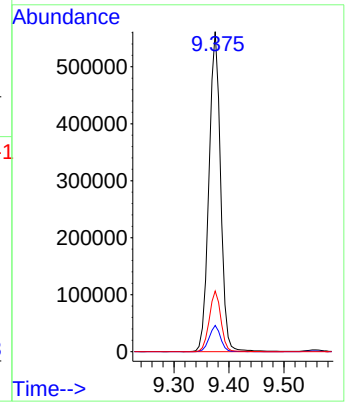





#25
Isophorone
Concen: 38.49 ng
RT: 9.375 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 82 Resp: 82163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.2 | 6.3 | 9.5 |
| 138 | 18.9 | 15.3 | 22.9 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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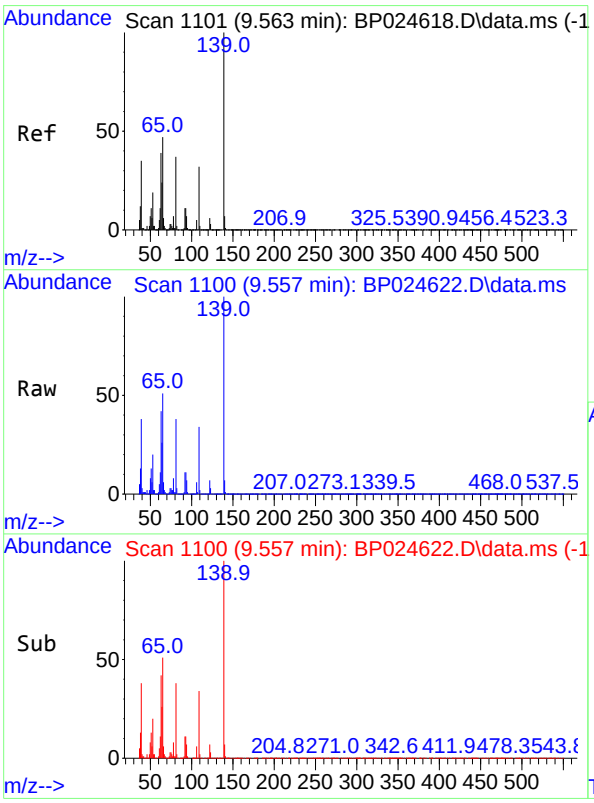
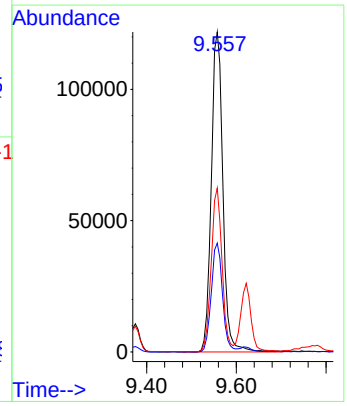
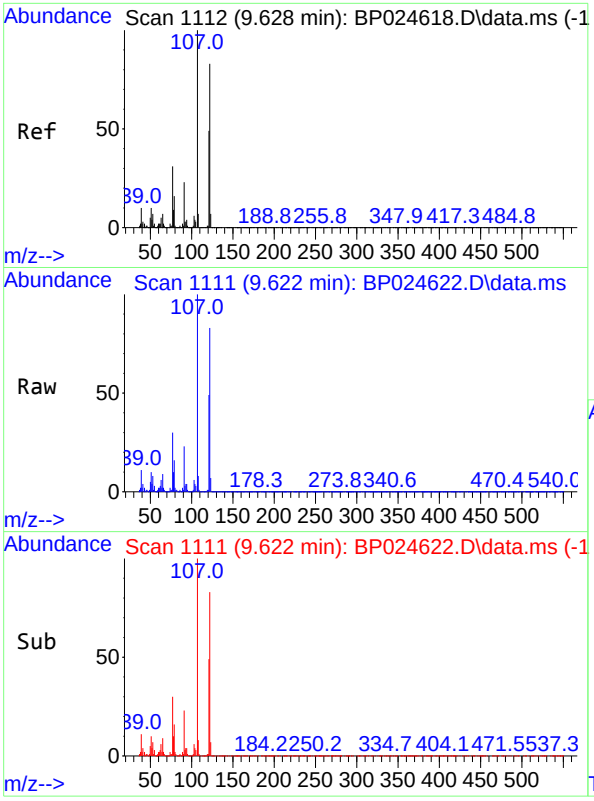



#26
2-Nitrophenol
Concen: 41.12 ng
RT: 9.557 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:139 Resp: 218211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 34.0 | 25.9 | 38.9 |
| 65 | 51.3 | 37.9 | 56.9 |

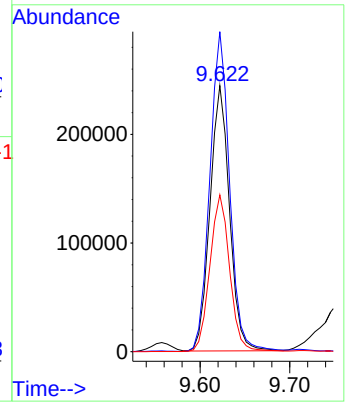





#27
2,4-Dimethylphenol
Concen: 39.48 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:122 Resp: 369418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 120.3 | 96.2 | 144.2 |
| 121 | 58.9 | 47.6 | 71.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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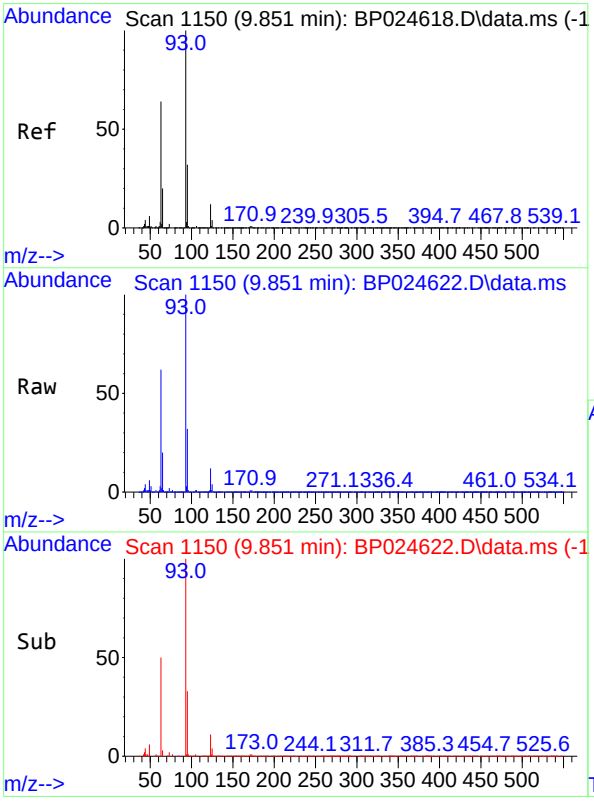
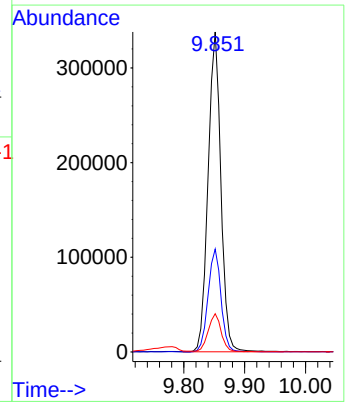
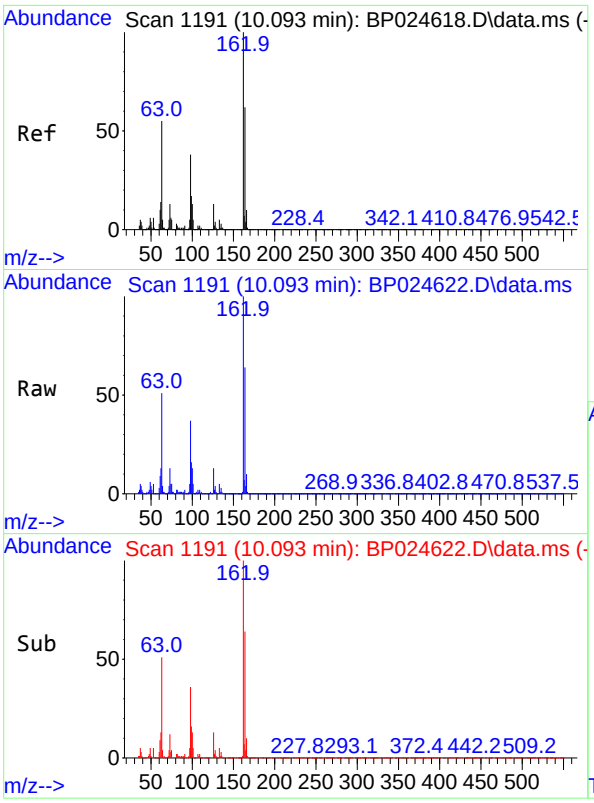



#28
bis(2-Chloroethoxy)methane
Concen: 38.71 ng
RT: 9.851 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 93 Resp: 493722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.1 | 25.5 | 38.3 |
| 123 | 12.0 | 9.7 | 14.5 |

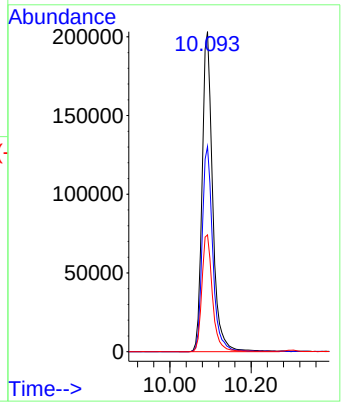





#29
2,4-Dichlorophenol
Concen: 40.19 ng
RT: 10.093 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:162 Resp: 36437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.1 | 42.3 | 82.3 |
| 98 | 36.5 | 18.4 | 58.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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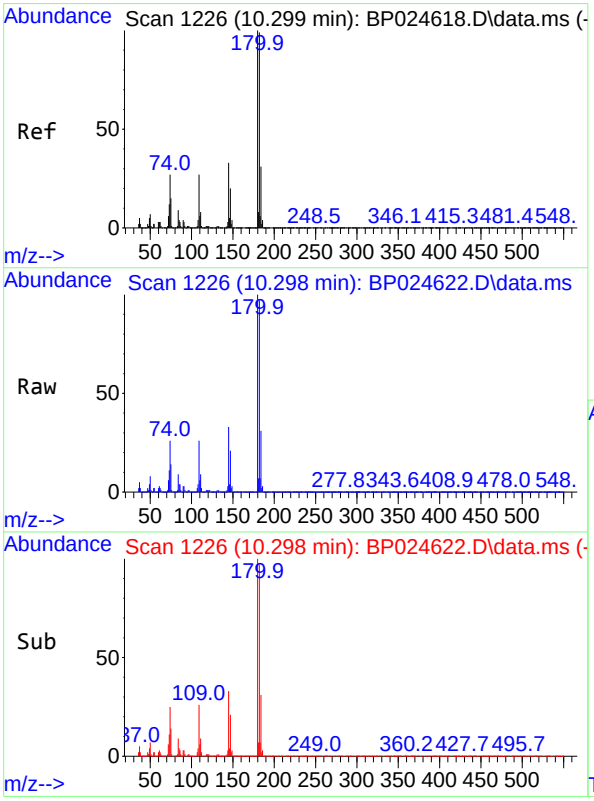
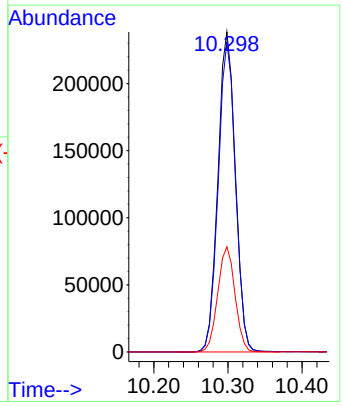
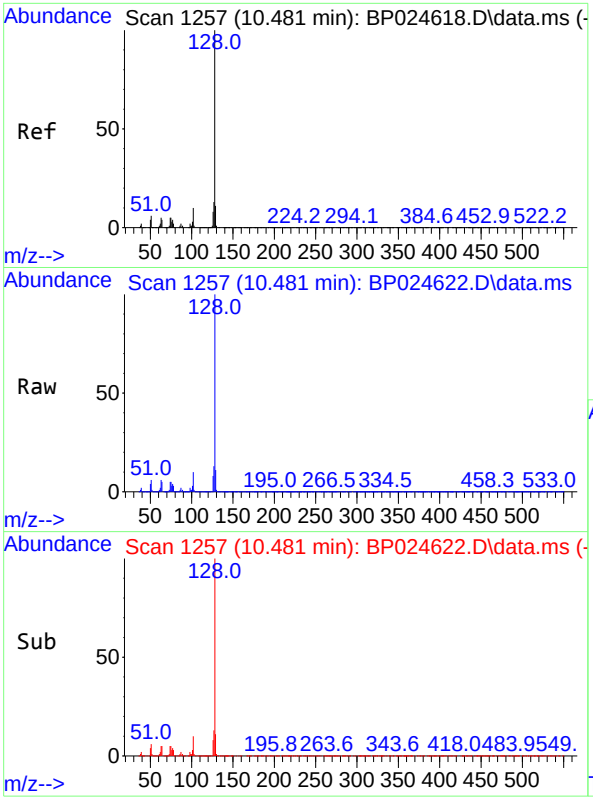



#30
1,2,4-Trichlorobenzene
Concen: 38.11 ng
RT: 10.298 min Scan# 1226
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:180 Resp: 389362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.8 | 79.0 | 118.4 |
| 145 | 32.9 | 26.6 | 39.8 |

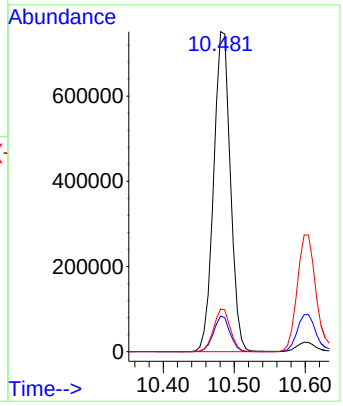





#31
Naphthalene
Concen: 38.07 ng
RT: 10.481 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:128 Resp: 122662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 8.8 | 13.2 |
| 127 | 13.4 | 10.7 | 16.1 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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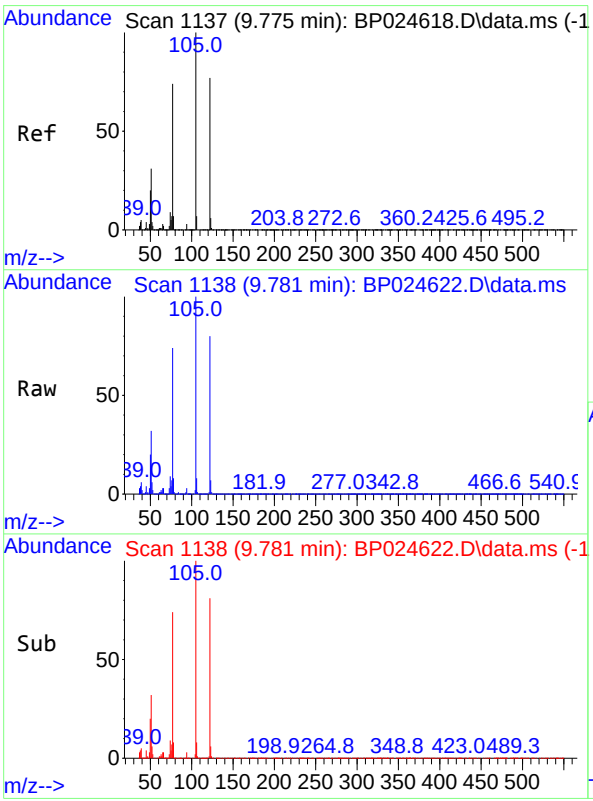
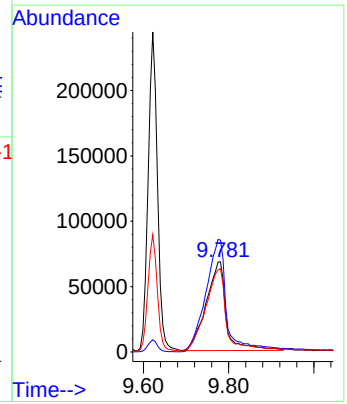
Supervised By :Jagrut Upadhyay 05/14/2025

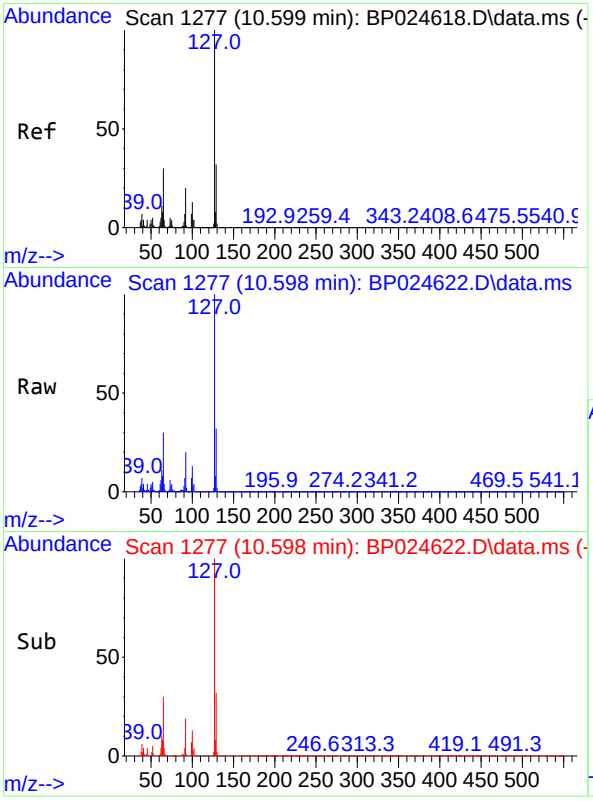



#32
Benzoic acid
Concen: 36.46 ng
RT: 9.781 min Scan# 1138
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:122 Resp: 223660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.2 | 106.9 | 146.9 |
| 77 | 92.5 | 75.1 | 115.1 |

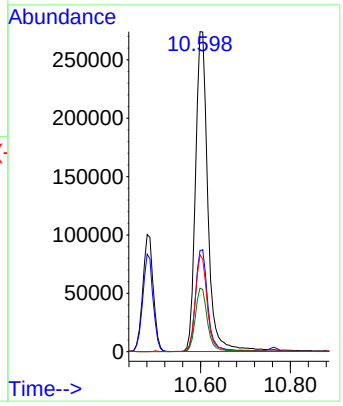





#33
4-Chloroaniline
Concen: 40.37 ng
RT: 10.598 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:127 Resp: 52487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.6 | 25.8 | 38.6 |
| 65 | 30.3 | 23.9 | 35.9 |
| 92 | 19.9 | 16.1 | 24.1 |




**Instrument :**
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ICVBP051325

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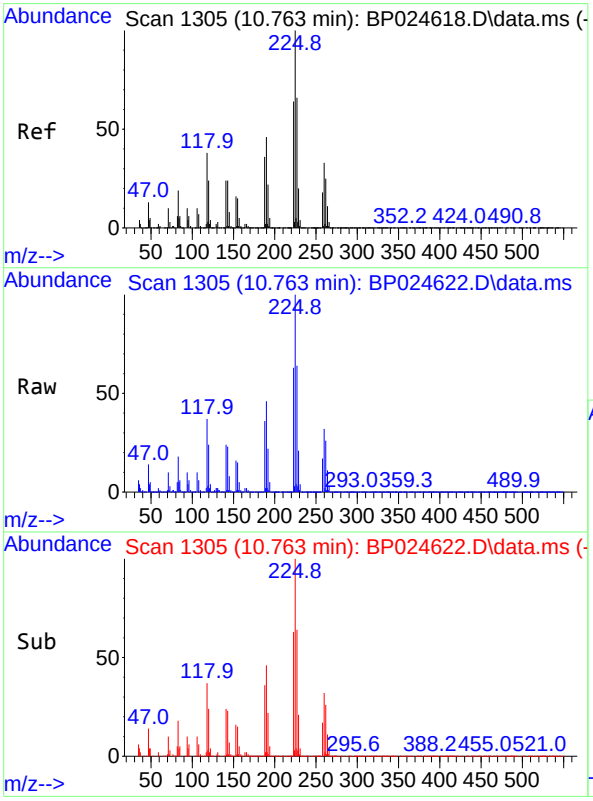
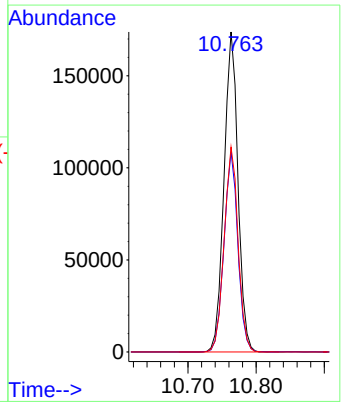
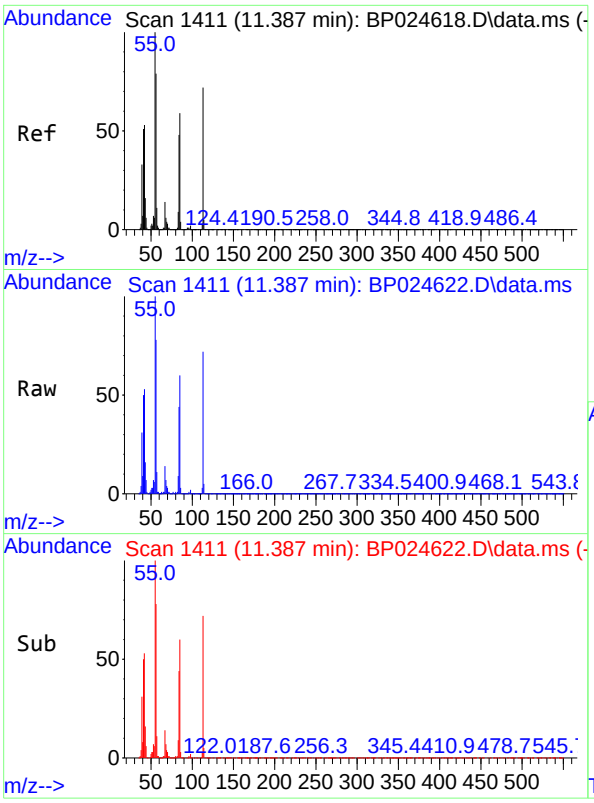



#34
Hexachlorobutadiene
Concen: 37.29 ng
RT: 10.763 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:225 Resp: 246776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.5 | 51.0 | 76.6 |
| 227 | 64.0 | 53.1 | 79.7 |

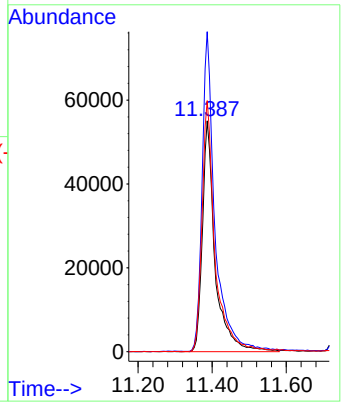





#35
Caprolactam
Concen: 39.75 ng
RT: 11.387 min Scan# 14
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:113 Resp: 13039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 138.6 | 119.0 | 159.0 |
| 56 | 108.8 | 90.3 | 130.3 |




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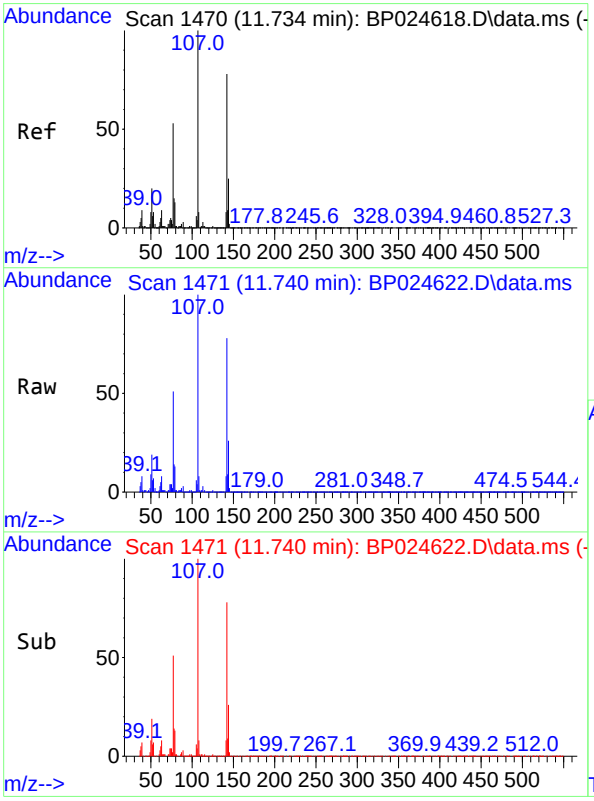
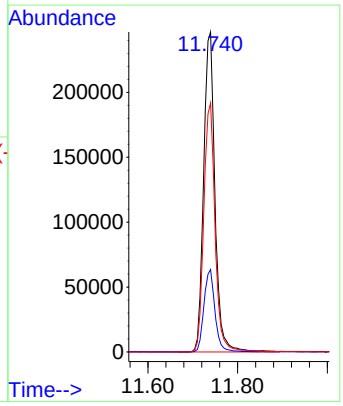
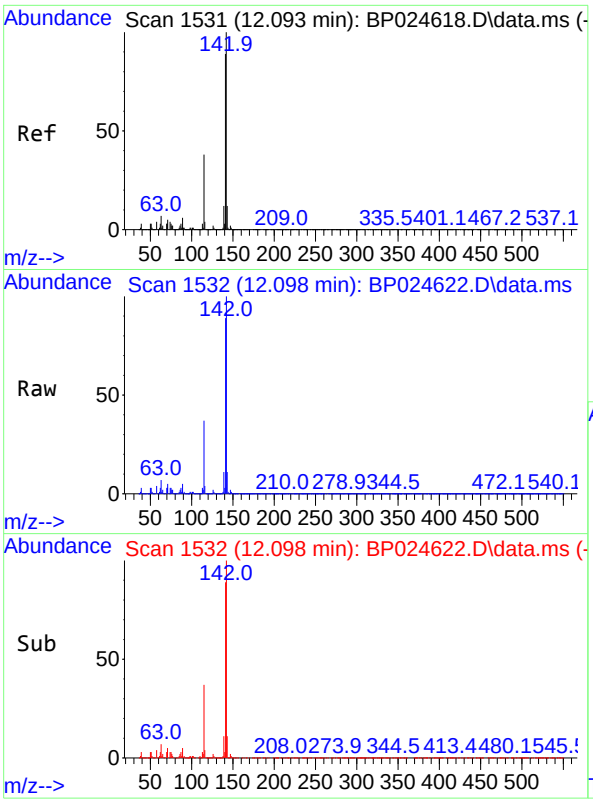



#36
4-Chloro-3-methylphenol
Concen: 39.01 ng
RT: 11.740 min Scan# 1471
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:107 Resp: 431344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.7 | 20.1 | 30.1 |
| 142 | 77.8 | 62.1 | 93.1 |

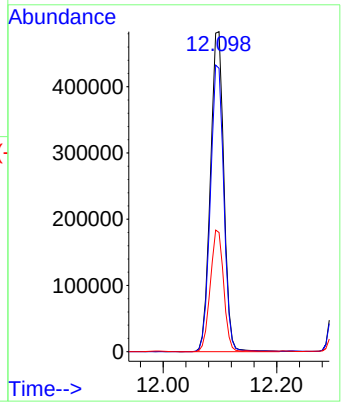





#37
2-Methylnaphthalene
Concen: 37.85 ng
RT: 12.098 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:142 Resp: 78972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.5 | 71.2 | 106.8 |
| 115 | 37.2 | 30.6 | 46.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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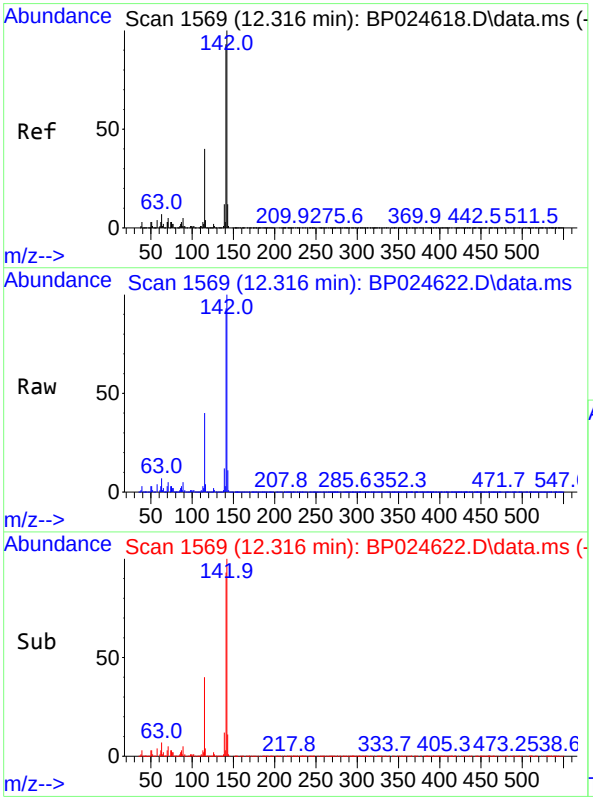
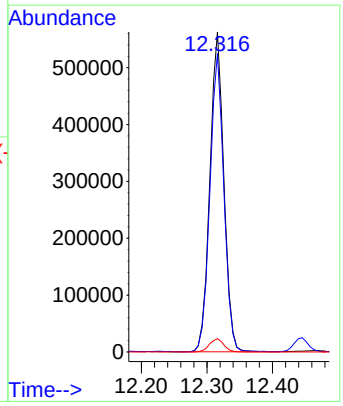
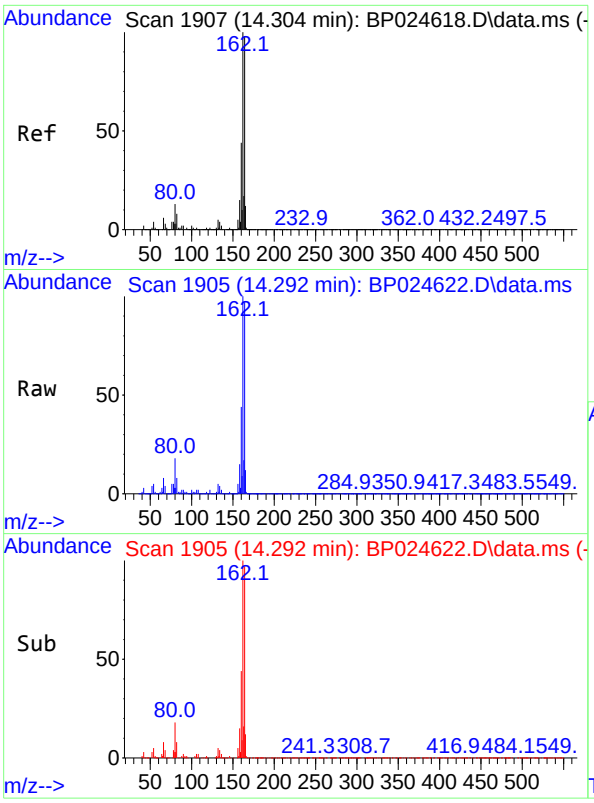



#38
1-Methylnaphthalene
Concen: 37.34 ng
RT: 12.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:142 Resp: 833521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.2 | 74.7 | 112.1 |
| 116 | 4.2 | 3.4 | 5.2 |

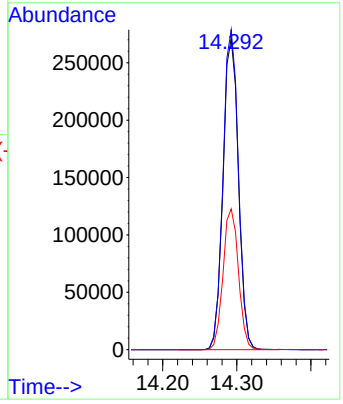





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.292 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:164 Resp: 39111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.8 | 81.8 | 122.6 |
| 160 | 45.2 | 36.3 | 54.5 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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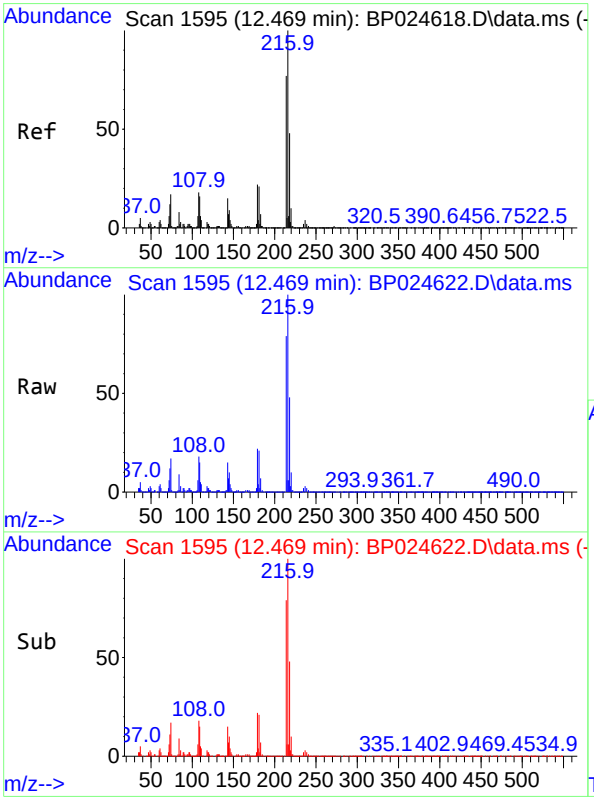
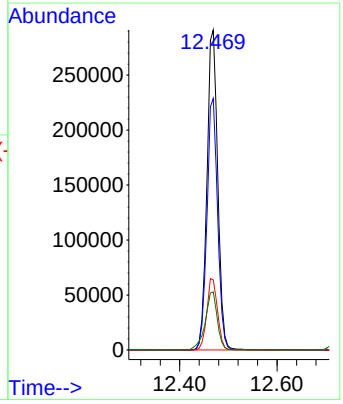
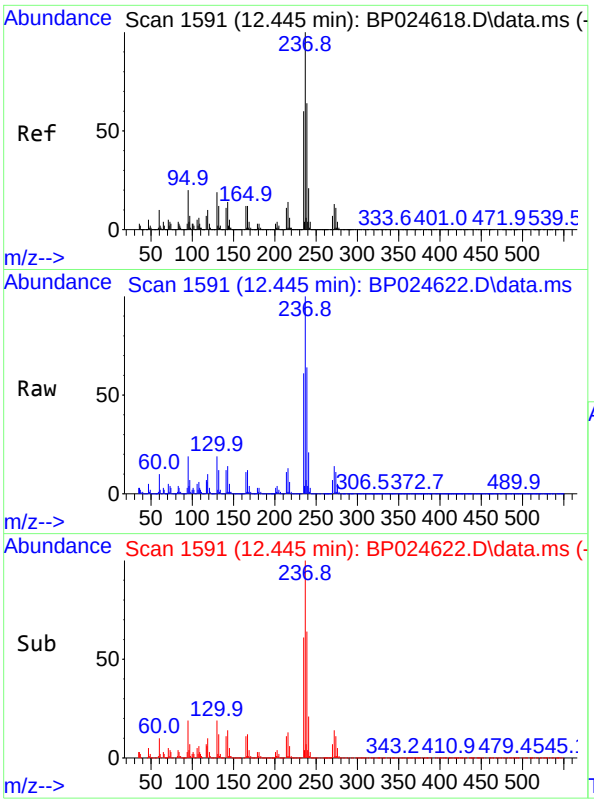



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.13 ng
RT: 12.469 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:216 Resp: 444420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.0 | 62.3 | 93.5 |
| 179 | 22.2 | 17.7 | 26.5 |
| 108 | 20.3 | 16.0 | 24.0 |

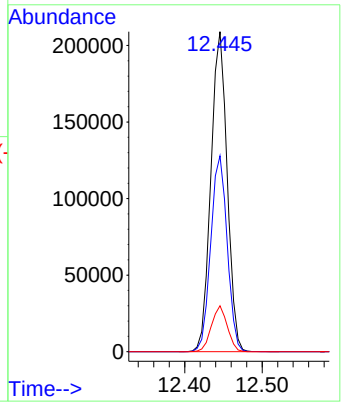





#41
Hexachlorocyclopentadiene
Concen: 44.37 ng
RT: 12.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:237 Resp: 30557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.2 | 39.9 | 79.9 |
| 272 | 14.3 | 0.0 | 33.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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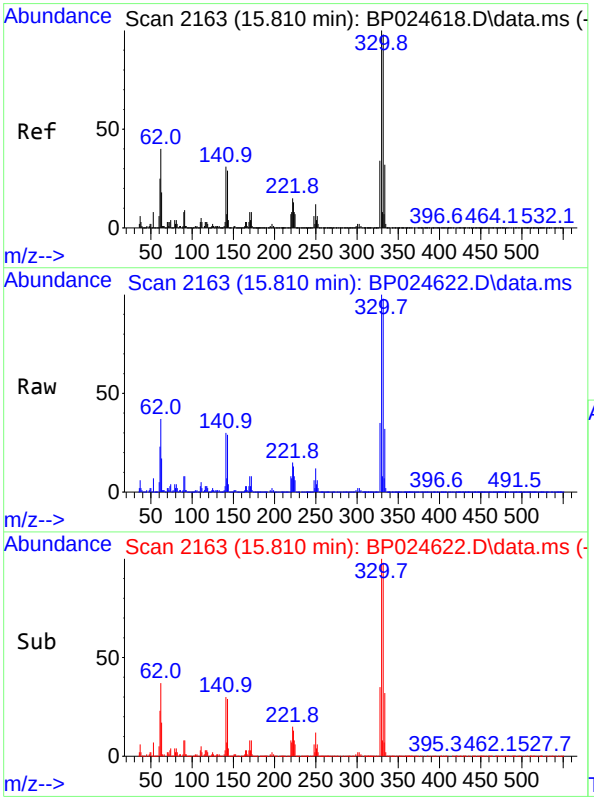
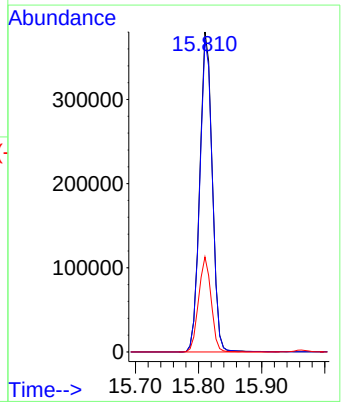
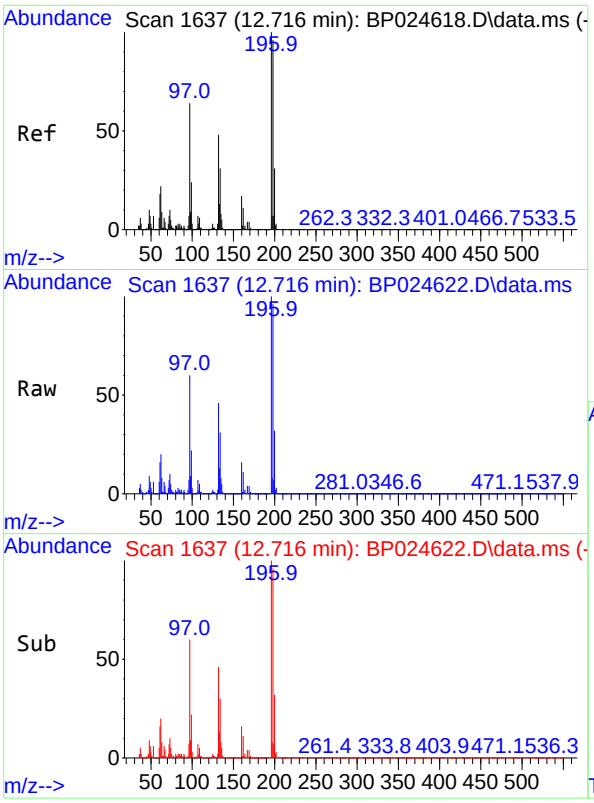



#42
2,4,6-Tribromophenol
Concen: 78.53 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:330 Resp: 520660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.2 | 78.2 | 117.4 |
| 141 | 29.8 | 24.3 | 36.5 |

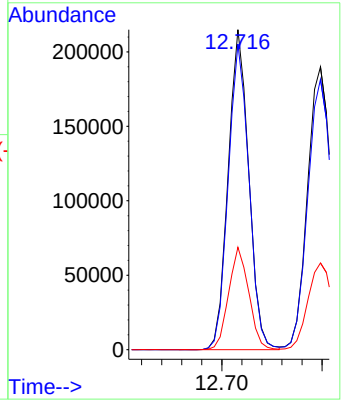





#43
2,4,6-Trichlorophenol
Concen: 41.55 ng
RT: 12.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:196 Resp: 30565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.5 | 76.9 | 115.3 |
| 200 | 32.0 | 25.2 | 37.8 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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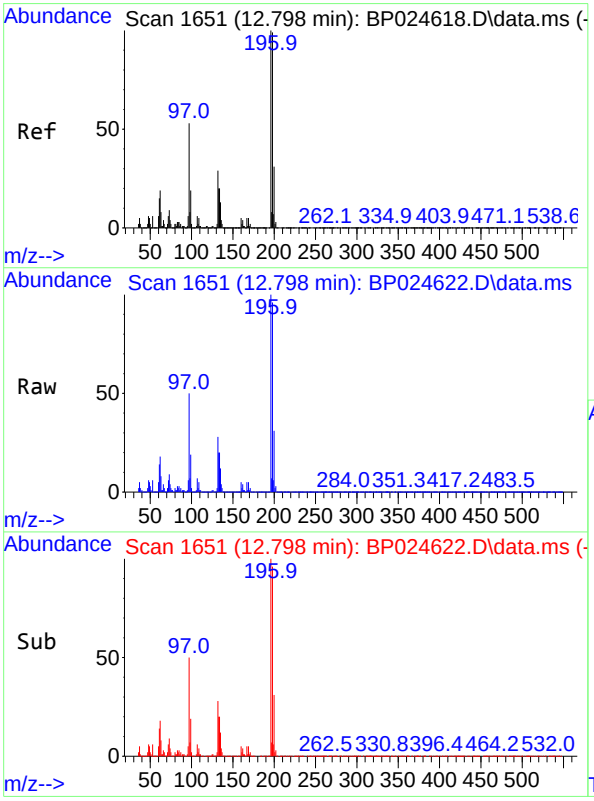
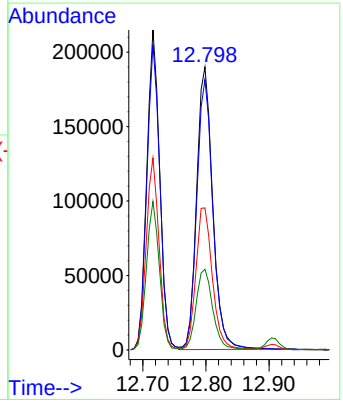
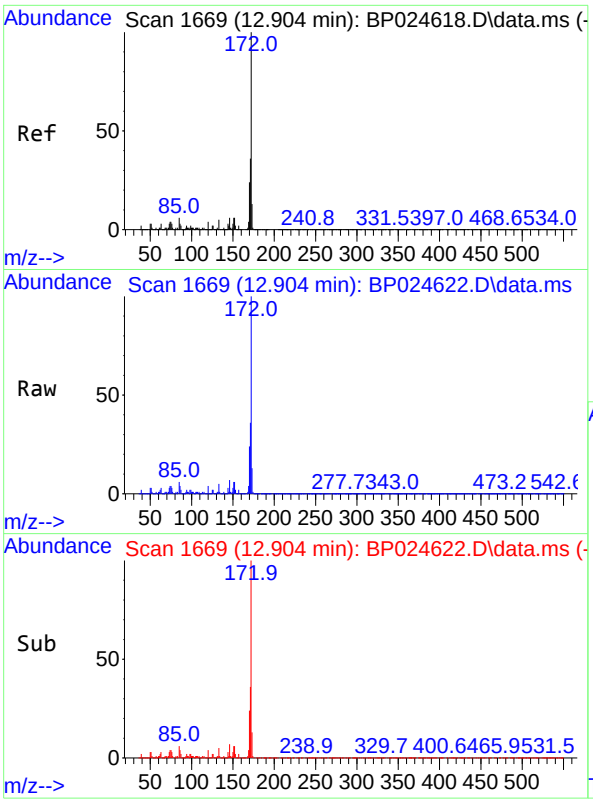



#44
2,4,5-Trichlorophenol
Concen: 41.06 ng
RT: 12.798 min Scan# 1651
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:196 Resp: 336252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.6 | 79.2 | 118.8 |
| 97 | 50.2 | 42.3 | 63.5 |
| 132 | 28.5 | 23.3 | 34.9 |

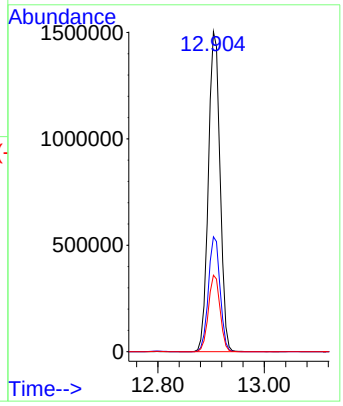





#45
2-Fluorobiphenyl
Concen: 76.73 ng
RT: 12.904 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:172 Resp: 229071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.9 | 28.8 | 43.2 |
| 170 | 23.9 | 18.8 | 28.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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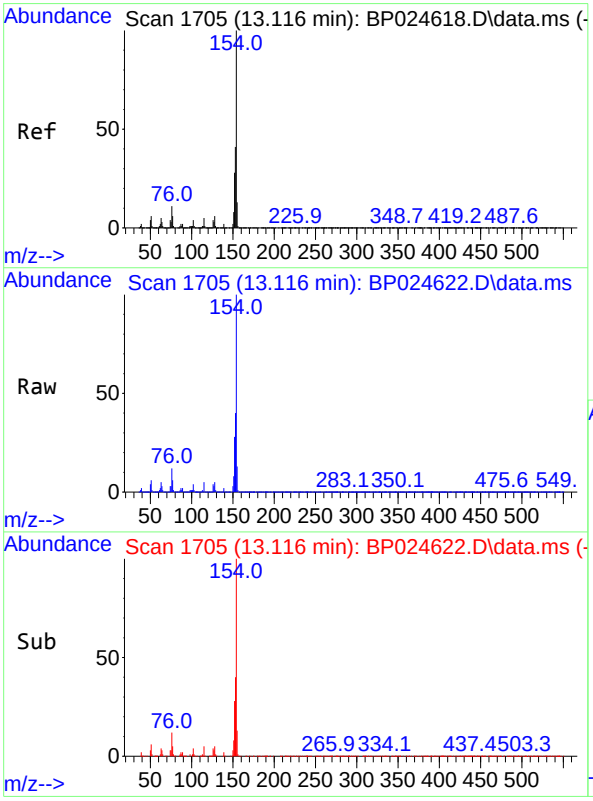
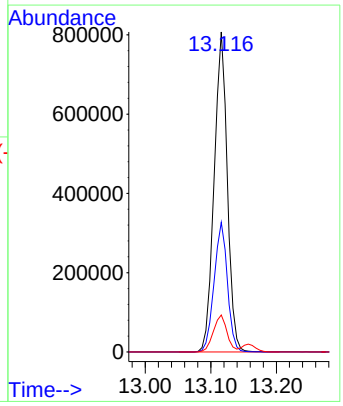
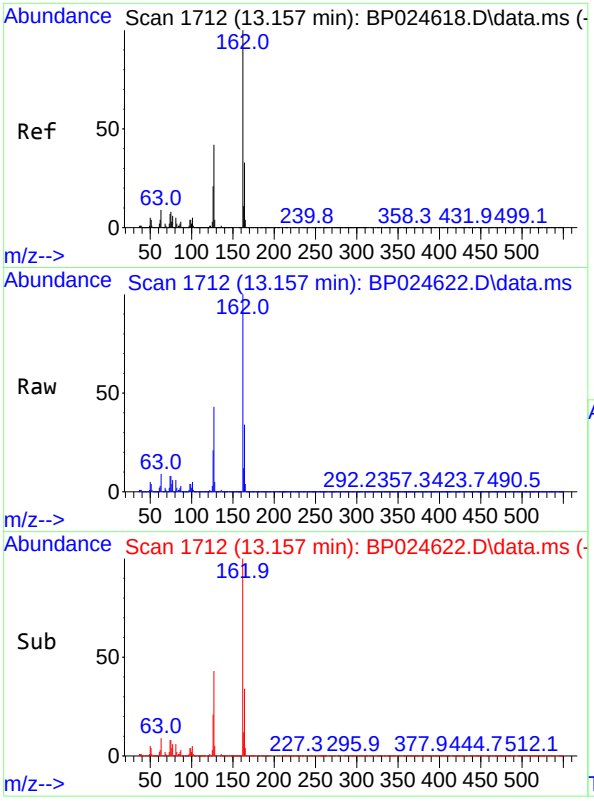



#46
1,1'-Biphenyl
Concen: 38.91 ng
RT: 13.116 min Scan# 1705
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:154 Resp: 1124669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.5 | 21.0 | 61.0 |
| 76 | 11.5 | 0.0 | 31.5 |

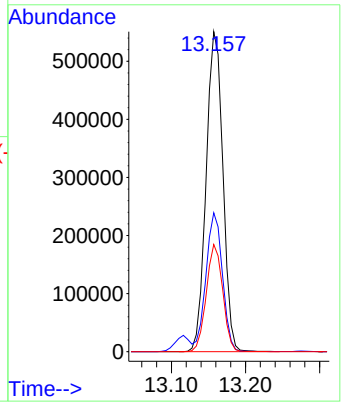





#47
2-Chloronaphthalene
Concen: 39.24 ng
RT: 13.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:162 Resp: 86485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.4 | 33.8 | 50.6 |
| 164 | 33.5 | 26.0 | 39.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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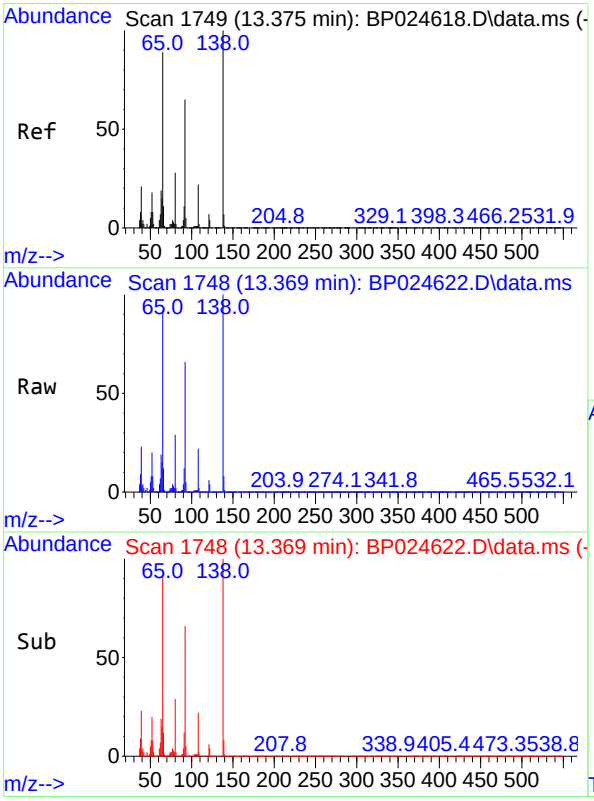
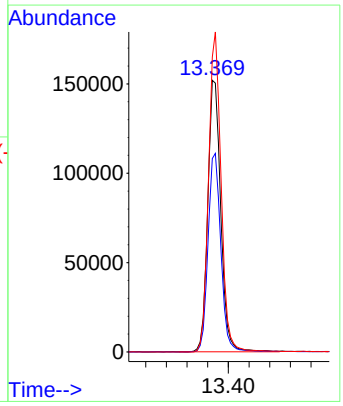
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

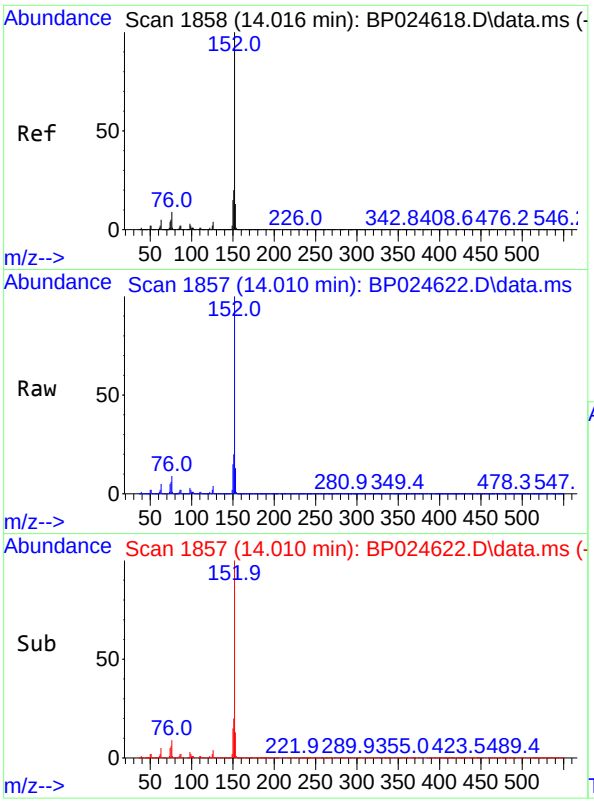



#48
2-Nitroaniline
Concen: 40.60 ng
RT: 13.369 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 65 Resp: 264965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 71.2 | 58.7 | 88.1 |
| 138 | 108.5 | 90.2 | 135.2 |

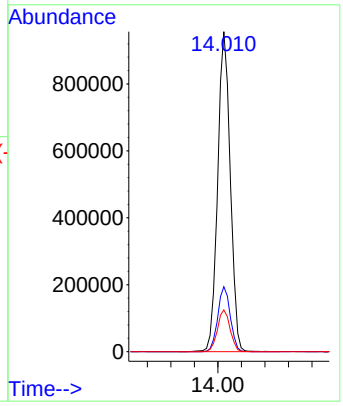





#49
Acenaphthylene
Concen: 38.49 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:152 Resp: 141982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.2 | 24.4 |
| 153 | 13.0 | 10.2 | 15.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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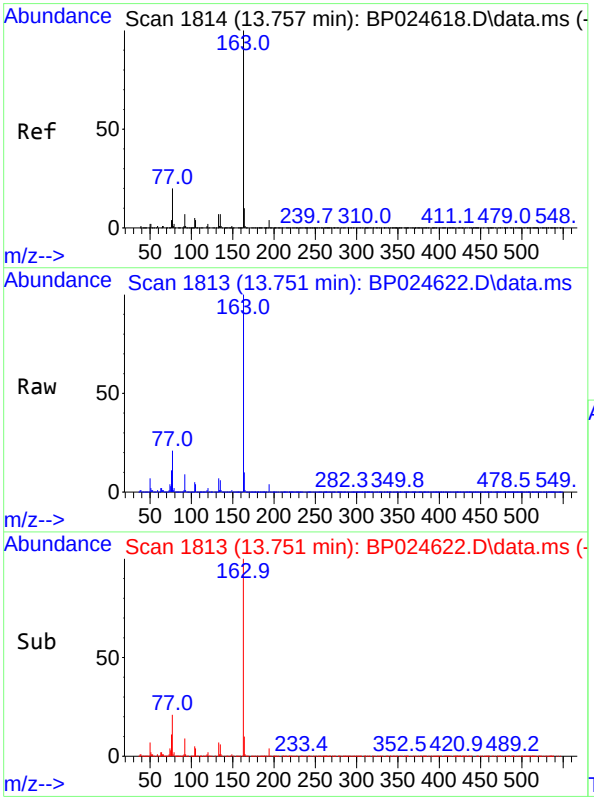
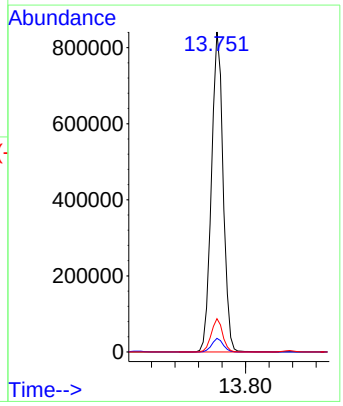
Supervised By :Jagrut Upadhyay 05/14/2025

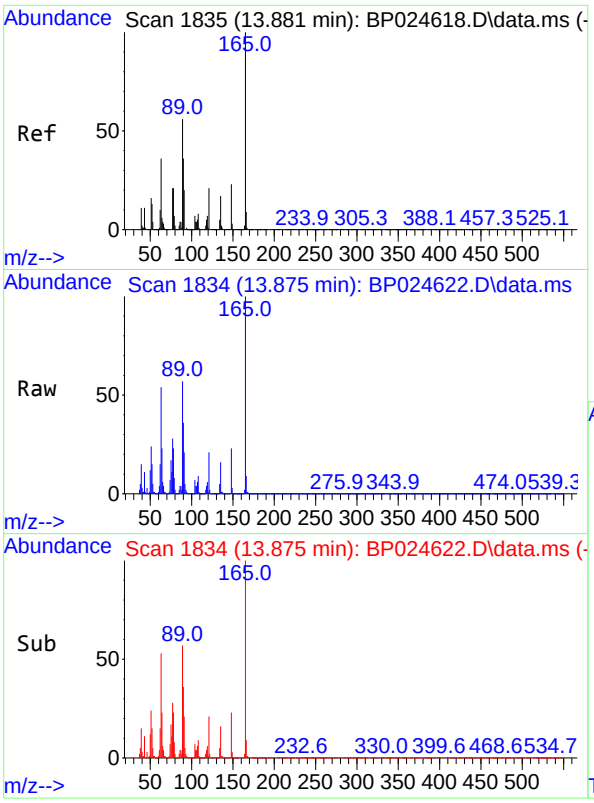



#50
Dimethylphthalate
Concen: 38.75 ng
RT: 13.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:163 Resp: 1155211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.4 | 5.0 |
| 164 | 10.4 | 8.1 | 12.1 |

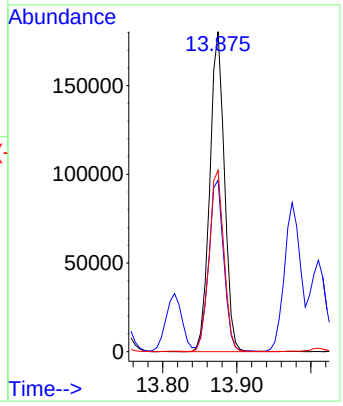





#51
2,6-Dinitrotoluene
Concen: 39.32 ng
RT: 13.875 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:165 Resp: 24753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 53.5 | 42.4 | 63.6 |
| 89 | 56.6 | 44.8 | 67.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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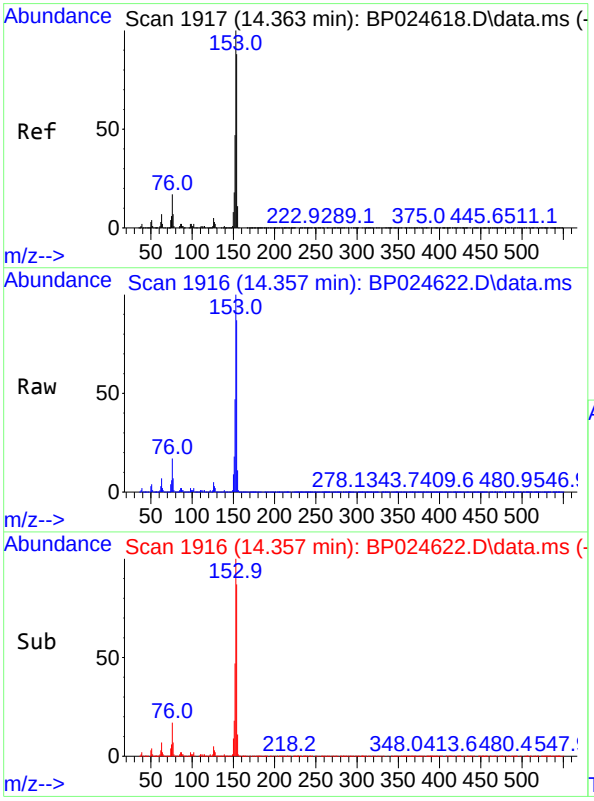
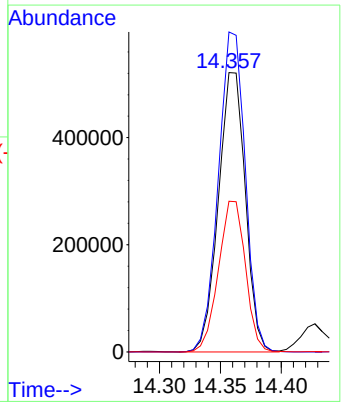
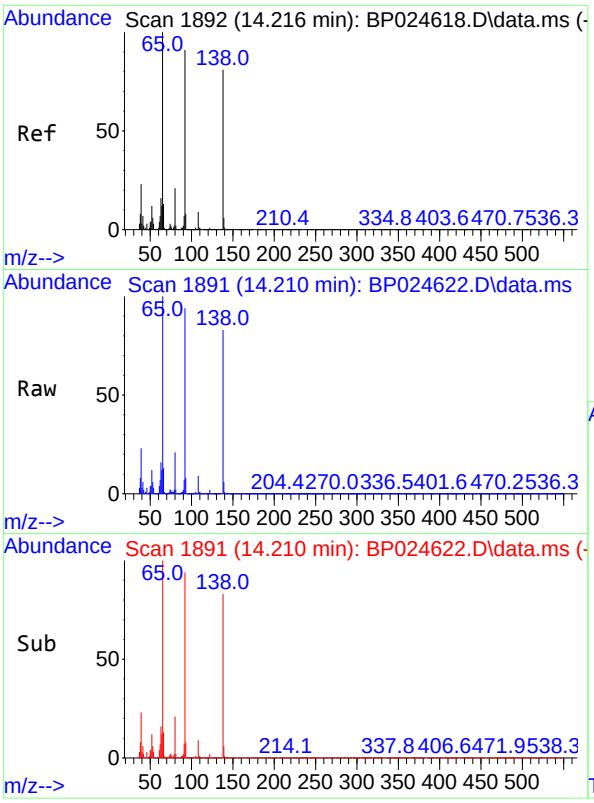



#52
Acenaphthene
Concen: 37.90 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:154 Resp: 803755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 114.5 | 91.0 | 136.4 |
| 152 | 54.0 | 42.9 | 64.3 |

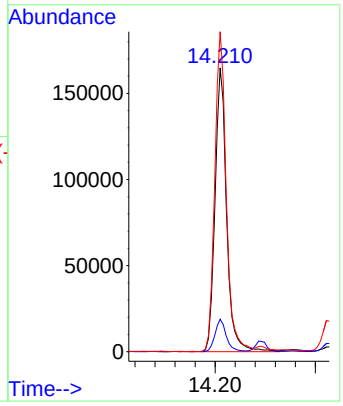





#53
3-Nitroaniline
Concen: 40.87 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:138 Resp: 26273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.4 | 9.0 | 13.4 |
| 92 | 112.7 | 90.1 | 135.1 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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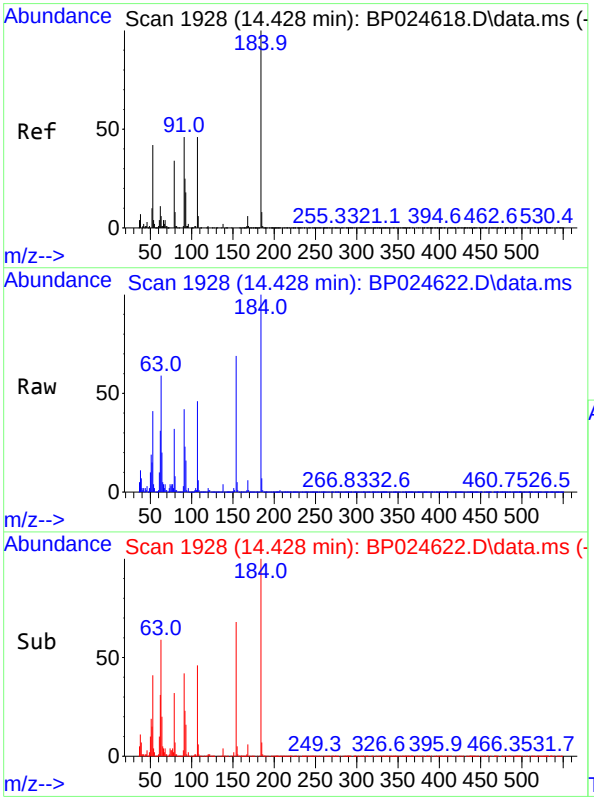
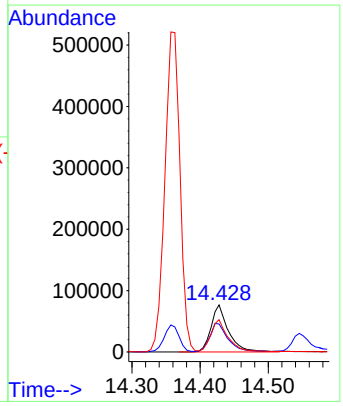
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

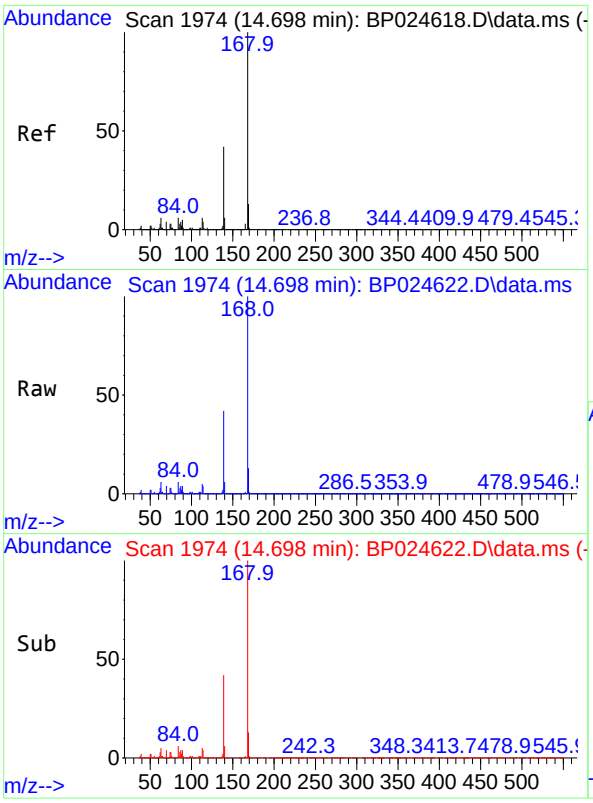



#54
2,4-Dinitrophenol
Concen: 37.83 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:184 Resp: 135624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 59.3 | 51.3 | 76.9 |
| 154 | 68.5 | 53.5 | 80.3 |

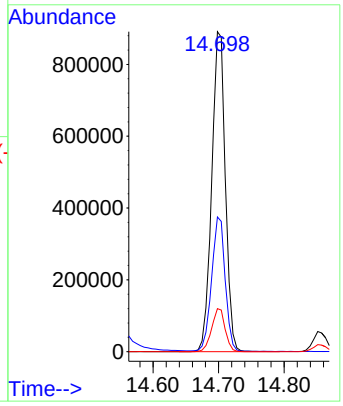





#55
Dibenzofuran
Concen: 37.91 ng
RT: 14.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:168 Resp: 128222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 42.1 | 34.2 | 51.4 |
| 169 | 13.5 | 10.8 | 16.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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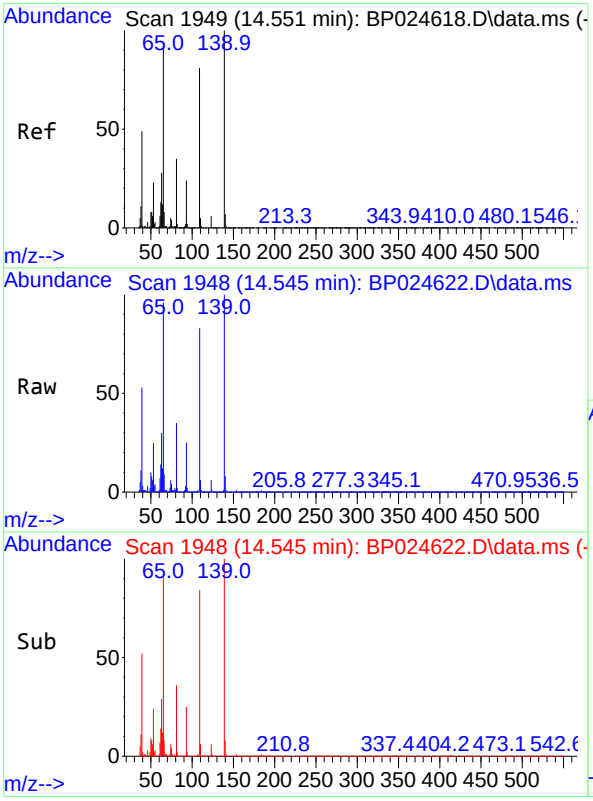
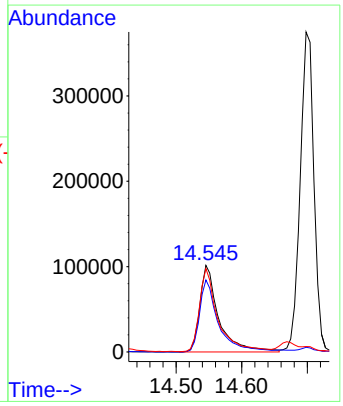
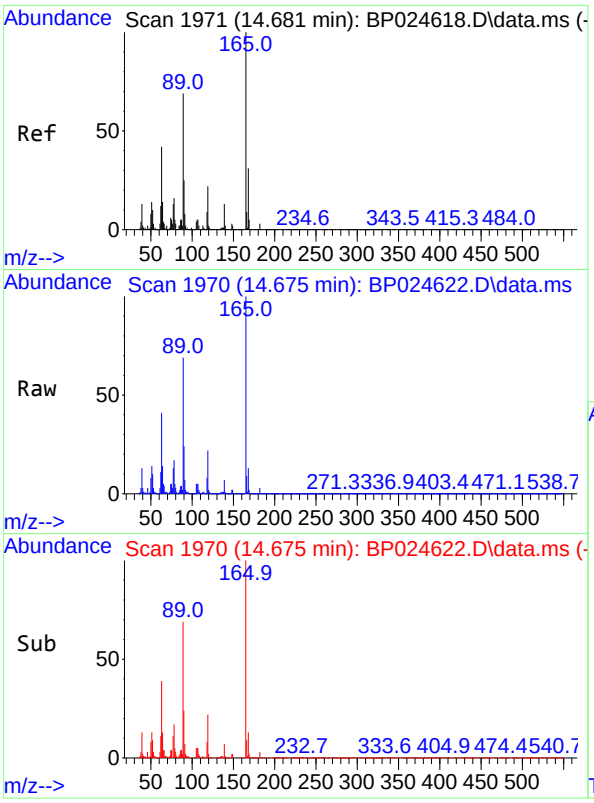



#56
4-Nitrophenol
Concen: 38.70 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:139 Resp: 202528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 83.2 | 61.4 | 101.4 |
| 65 | 96.3 | 72.2 | 112.2 |

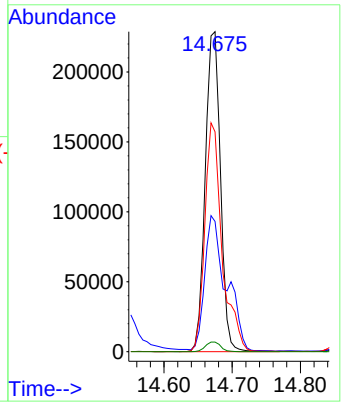





#57
2,4-Dinitrotoluene
Concen: 39.97 ng
RT: 14.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:165 Resp: 35481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 40.7 | 33.8 | 50.6 |
| 89 | 68.7 | 55.6 | 83.4 |
| 182 | 3.0 | 2.4 | 3.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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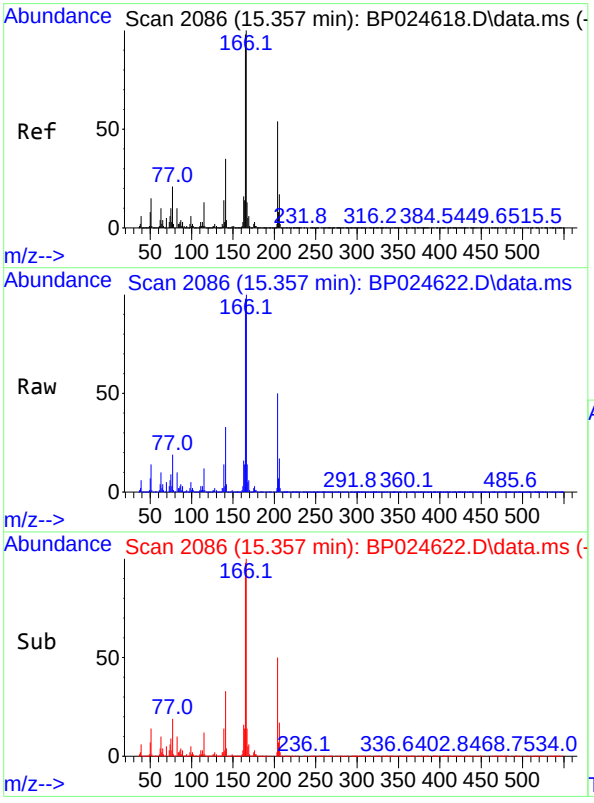
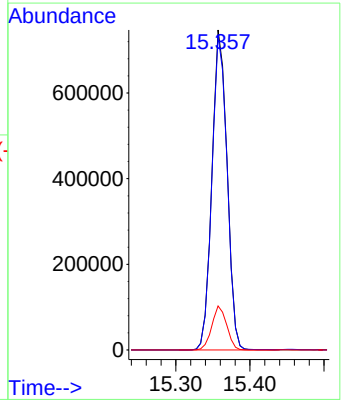
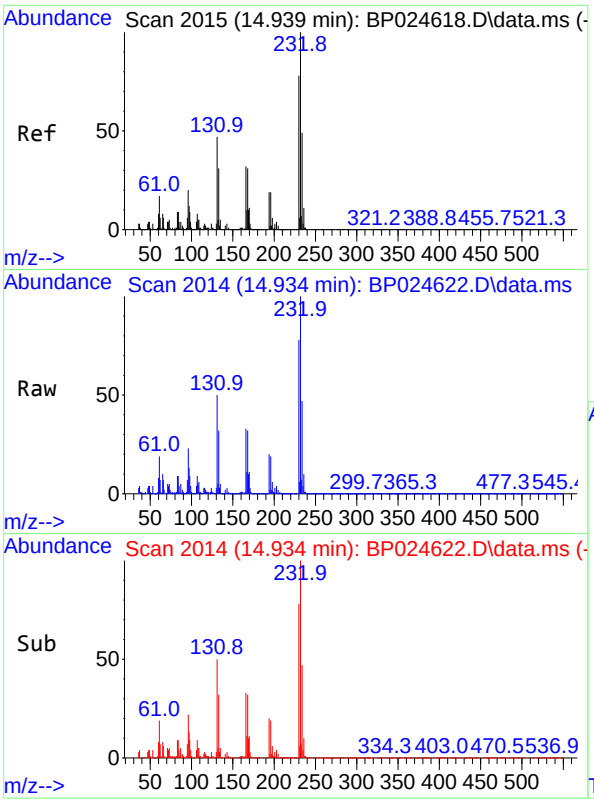



#58
Fluorene
Concen: 38.42 ng
RT: 15.357 min Scan# 2086
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:166 Resp: 1059642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.2 | 78.5 | 117.7 |
| 167 | 13.8 | 10.7 | 16.1 |

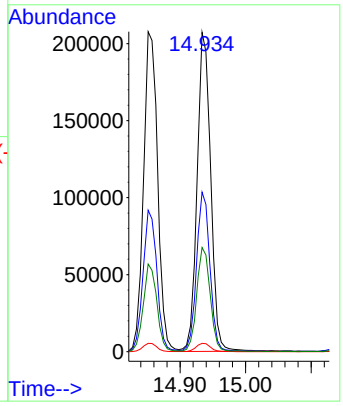





#59
2,3,4,6-Tetrachlorophenol
Concen: 39.27 ng
RT: 14.934 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:232 Resp: 29832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 48.9 | 39.5 | 59.3 |
| 130 | 2.8 | 2.2 | 3.4 |
| 166 | 32.5 | 25.7 | 38.5 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

**Manual Integrations APPROVED**

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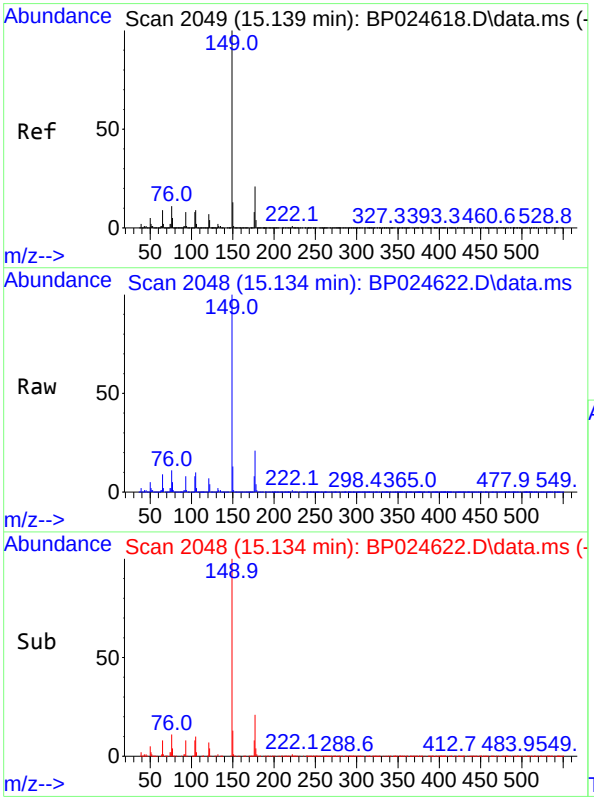
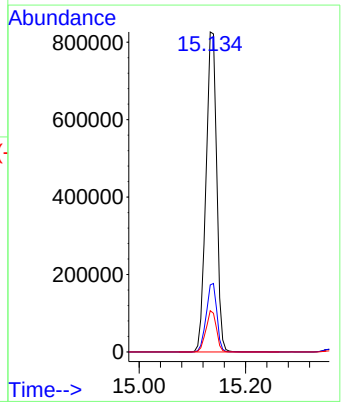
Supervised By :Jagrut Upadhyay 05/14/2025

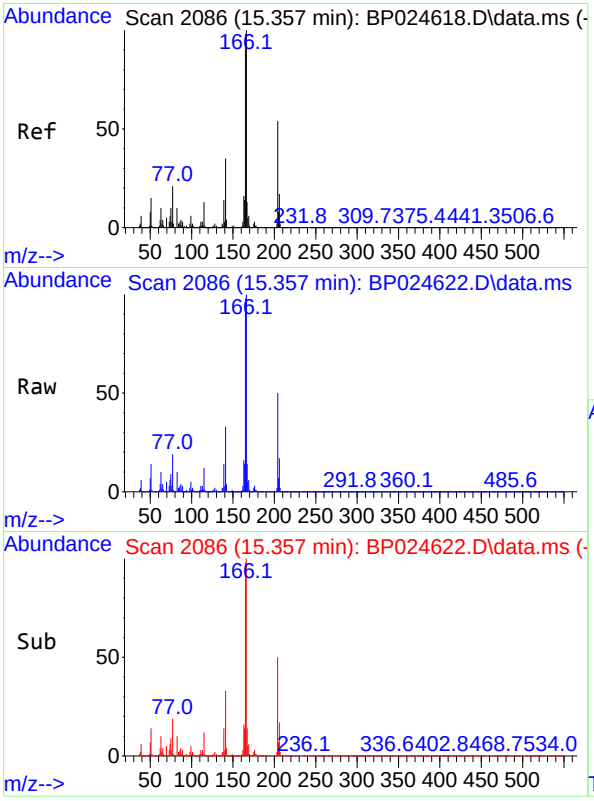



#60
Diethylphthalate
Concen: 38.17 ng
RT: 15.134 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:149 Resp: 1150091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.0 | 16.7 | 25.1 |
| 150 | 12.9 | 10.2 | 15.2 |

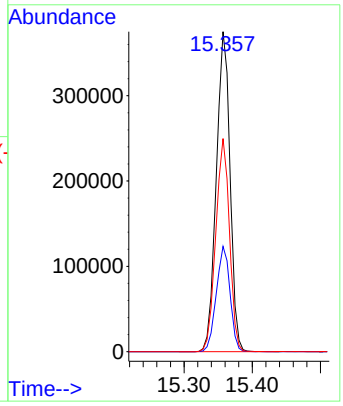





#61
4-Chlorophenyl-phenylether
Concen: 38.25 ng
RT: 15.357 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:204 Resp: 52606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.9 | 26.0 | 39.0 |
| 141 | 66.6 | 52.9 | 79.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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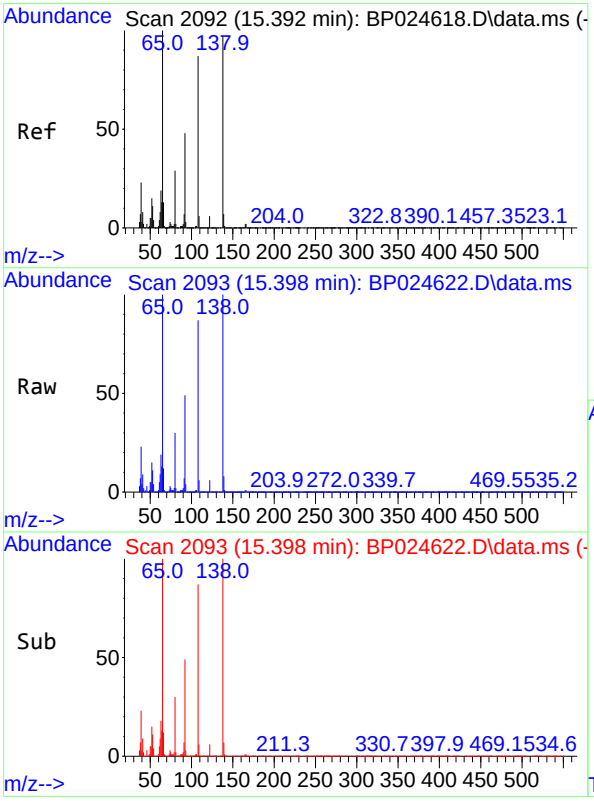
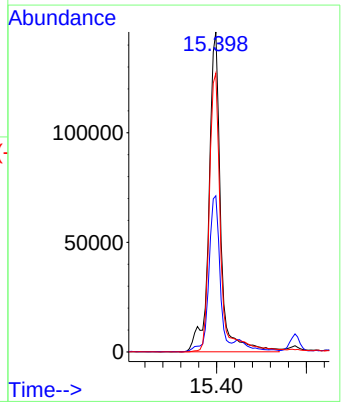
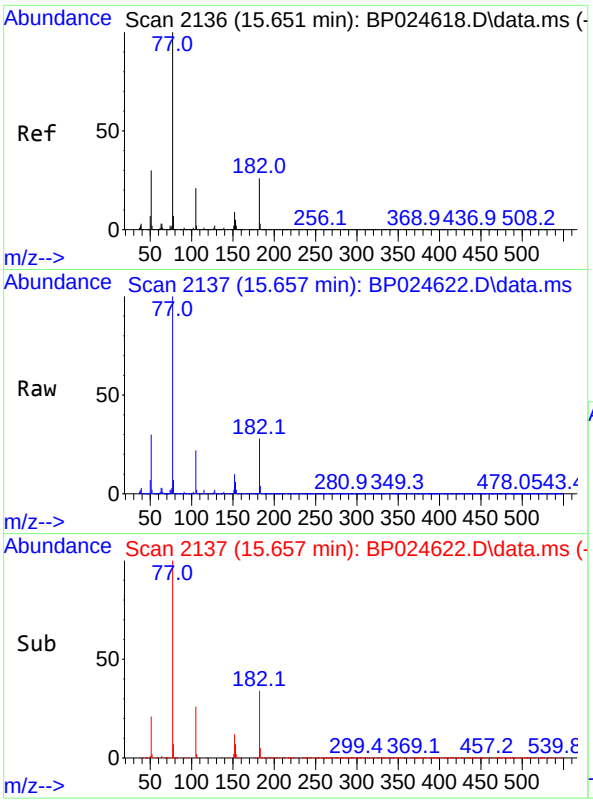



#62
4-Nitroaniline
Concen: 42.72 ng
RT: 15.398 min Scan# 2093
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:138 Resp: 265185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 48.8 | 29.2 | 69.2 |
| 108 | 87.1 | 69.0 | 109.0 |

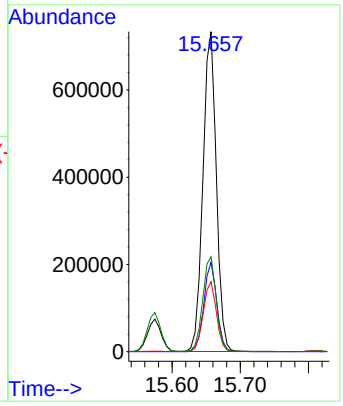





#63
Azobenzene
Concen: 38.82 ng
RT: 15.657 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 77 Resp: 100065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 27.9 | 5.7 | 45.7 |
| 105 | 21.9 | 1.3 | 41.3 |
| 51 | 29.7 | 10.6 | 50.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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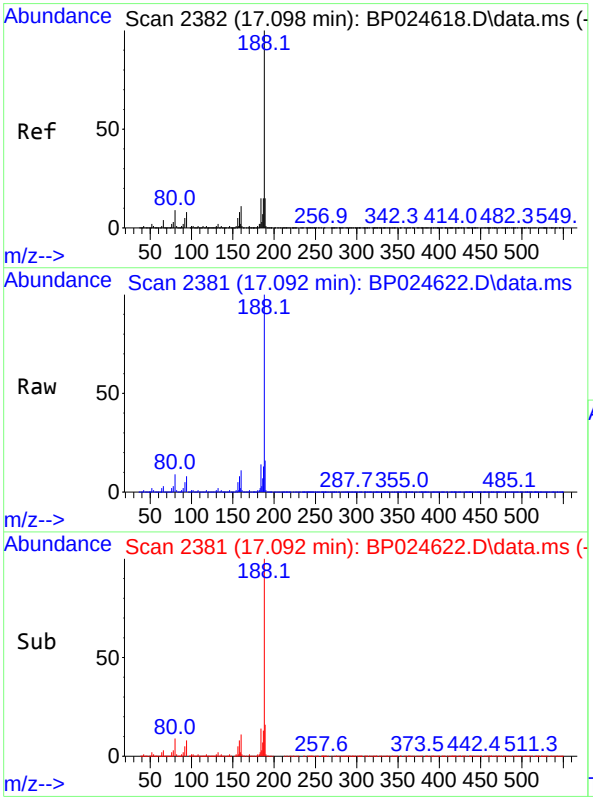
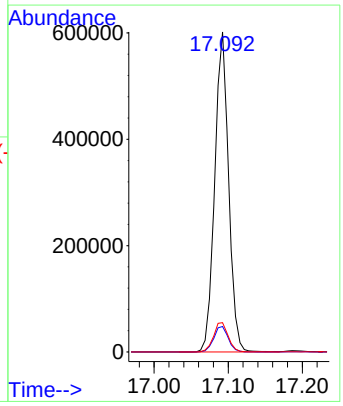
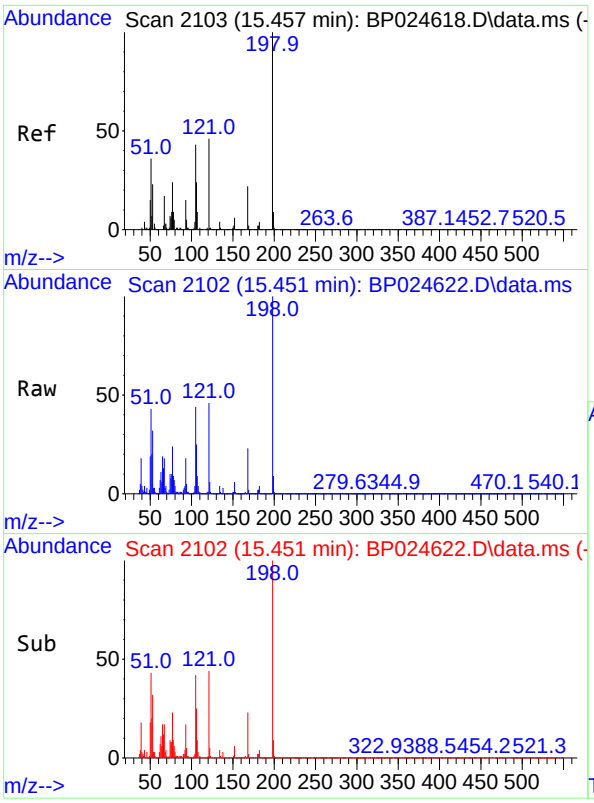



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.092 min Scan# 2381
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:188 Resp: 780511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.0 | 6.5 | 9.7 |
| 80 | 9.2 | 7.3 | 10.9 |






#65
4,6-Dinitro-2-methylphenol
Concen: 40.30 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

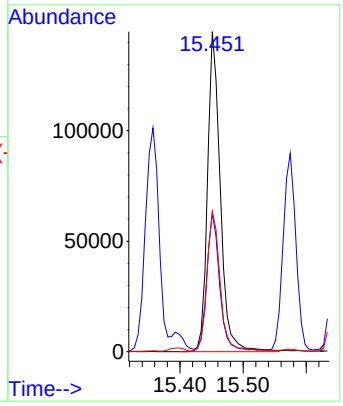
Tgt Ion:198 Resp: 20320

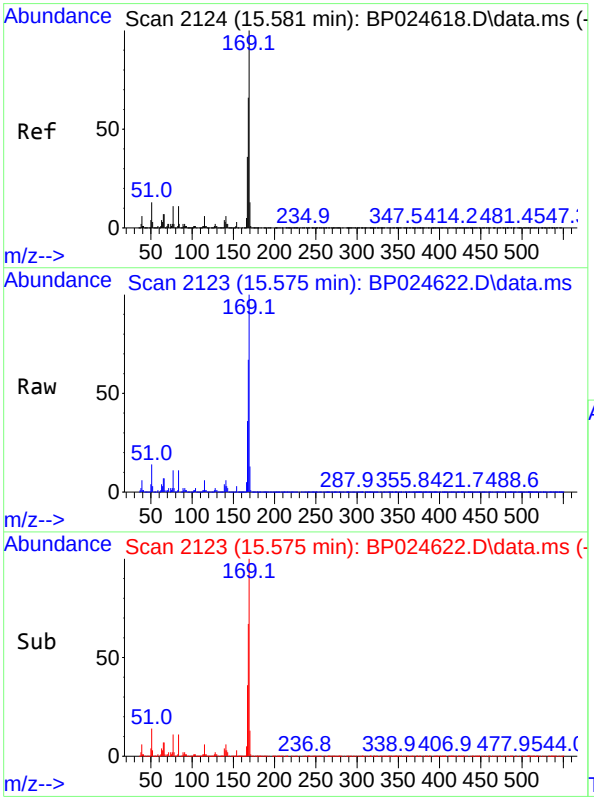
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 43.2 | 21.1 | 61.1 |
| 105 | 43.8 | 23.6 | 63.6 |

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

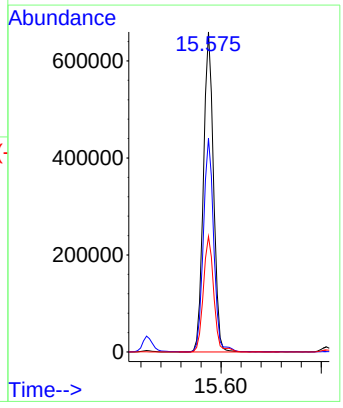


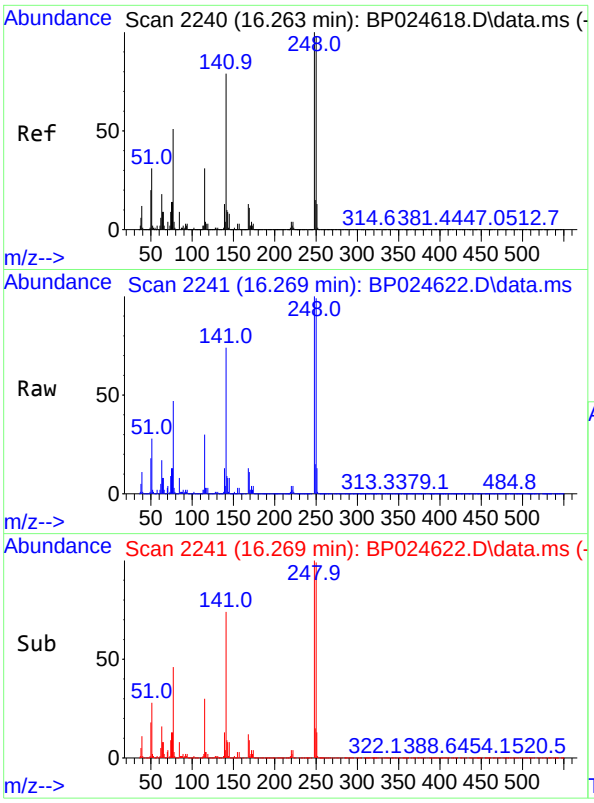




#66
n-Nitrosodiphenylamine
Concen: 38.38 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:169 Resp: 920187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.7 | 53.2 | 79.8 |
| 167 | 36.1 | 28.6 | 43.0 |

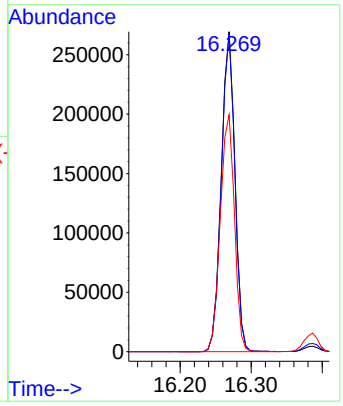





#67
4-Bromophenyl-phenylether
Concen: 38.91 ng
RT: 16.269 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:248 Resp: 35784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 99.3 | 78.2 | 117.4 |
| 141 | 74.1 | 63.0 | 94.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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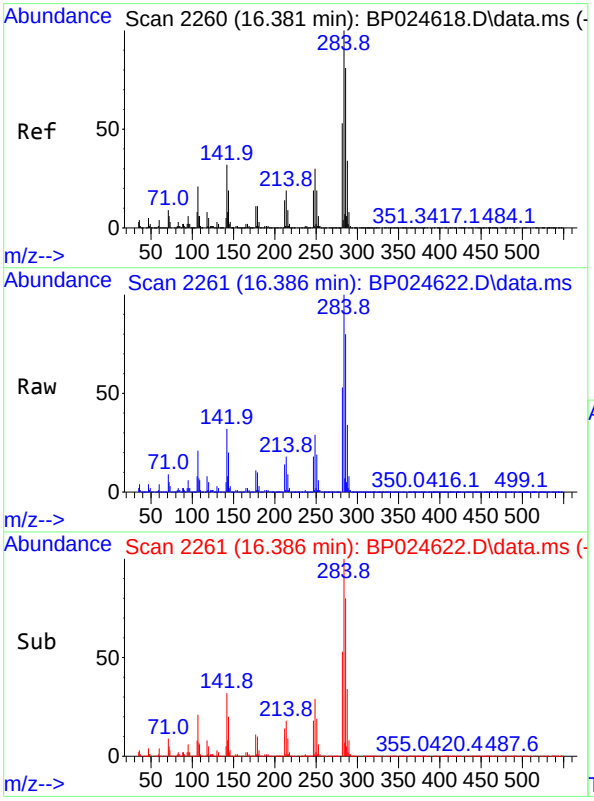
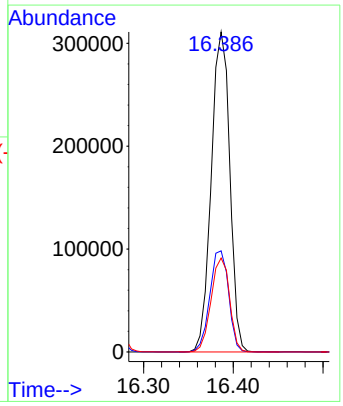
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

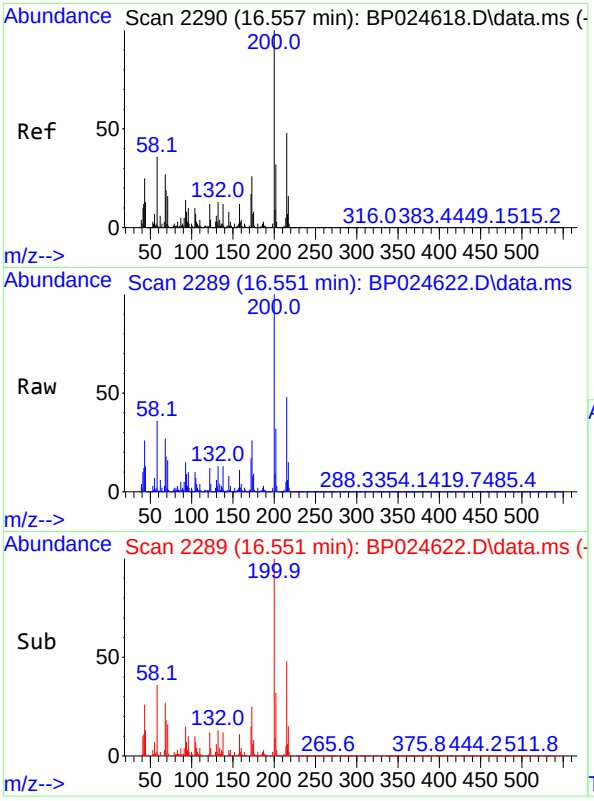



#68
Hexachlorobenzene
Concen: 38.18 ng
RT: 16.386 min Scan# 2261
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:284 Resp: 446142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.6 | 25.9 | 38.9 |
| 249 | 29.3 | 24.1 | 36.1 |

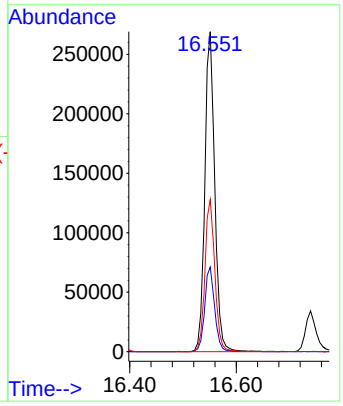





#69
Atrazine
Concen: 39.57 ng
RT: 16.551 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:200 Resp: 34766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.4 | 5.9 | 45.9 |
| 215 | 47.6 | 28.3 | 68.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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Reviewed By :Rahul Chavli 05/14/2025
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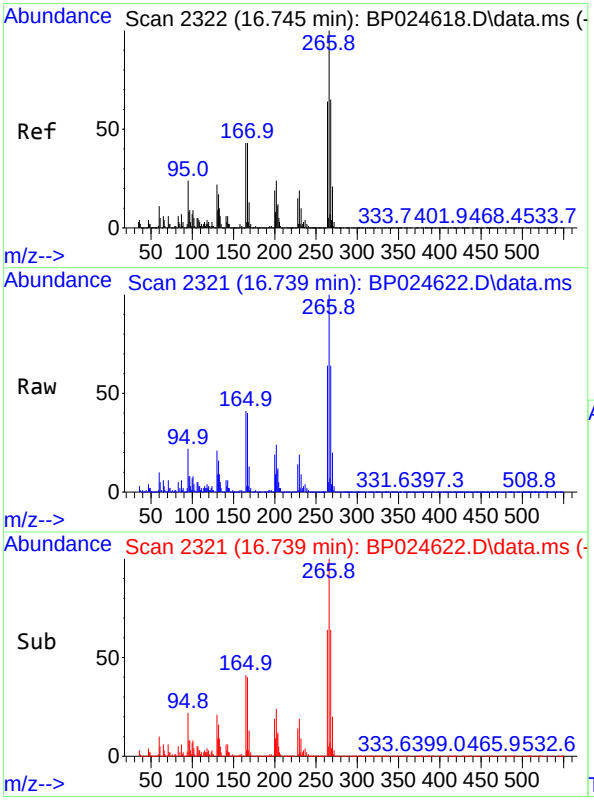
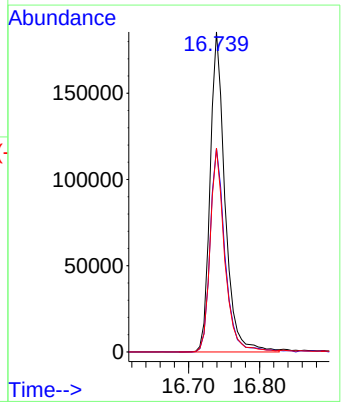
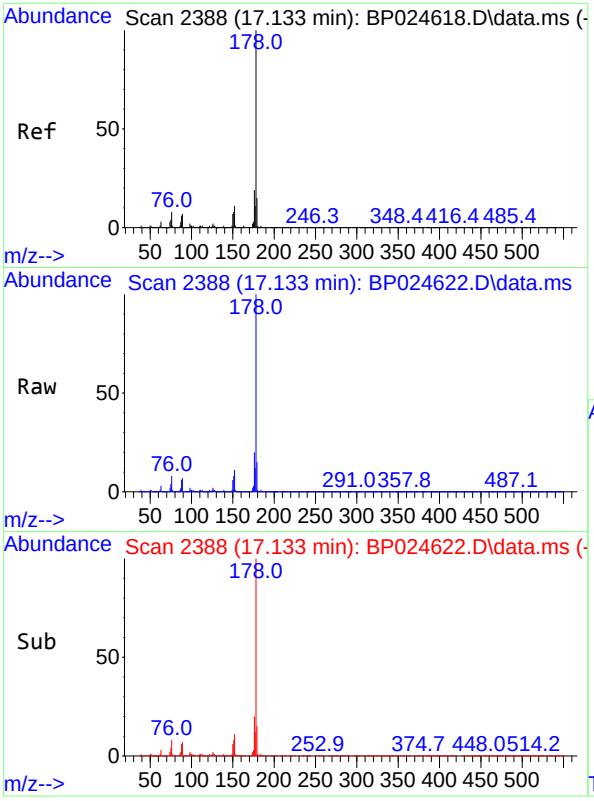



#70
Pentachlorophenol
Concen: 41.12 ng
RT: 16.739 min Scan# 2321
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:266 Resp: 269781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.7 | 52.2 | 78.4 |
| 264 | 63.6 | 51.1 | 76.7 |

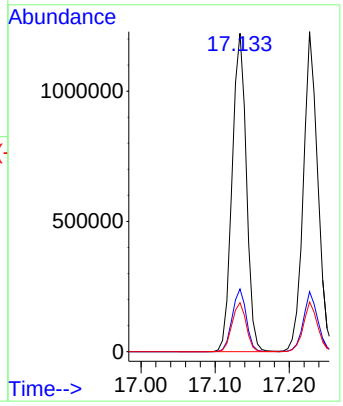





#71
Phenanthrene
Concen: 37.55 ng
RT: 17.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:178 Resp: 162911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.7 | 15.4 | 23.2 |
| 179 | 15.4 | 12.2 | 18.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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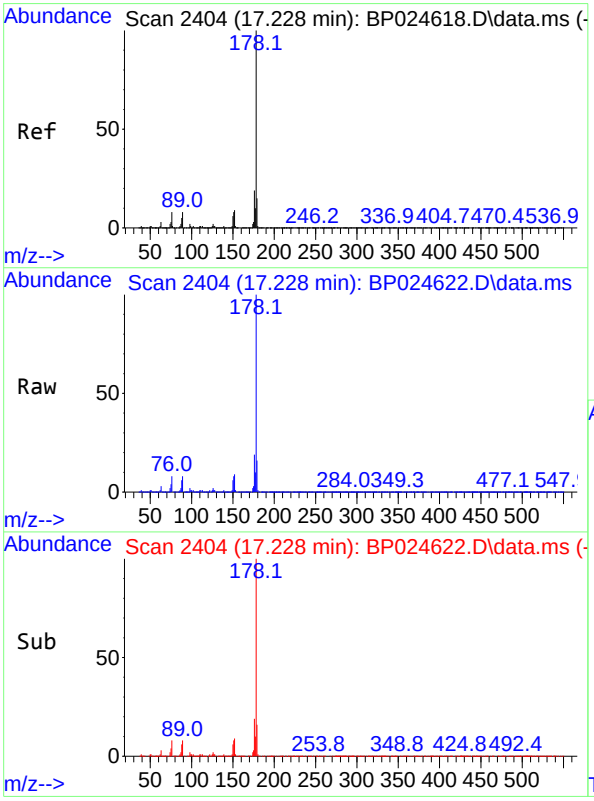
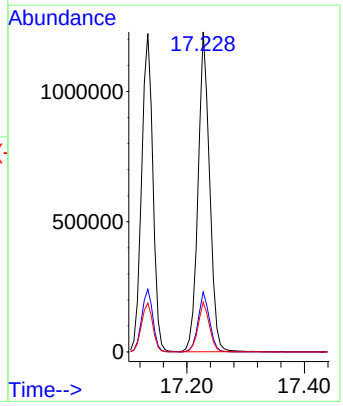
Supervised By :Jagrut Upadhyay 05/14/2025

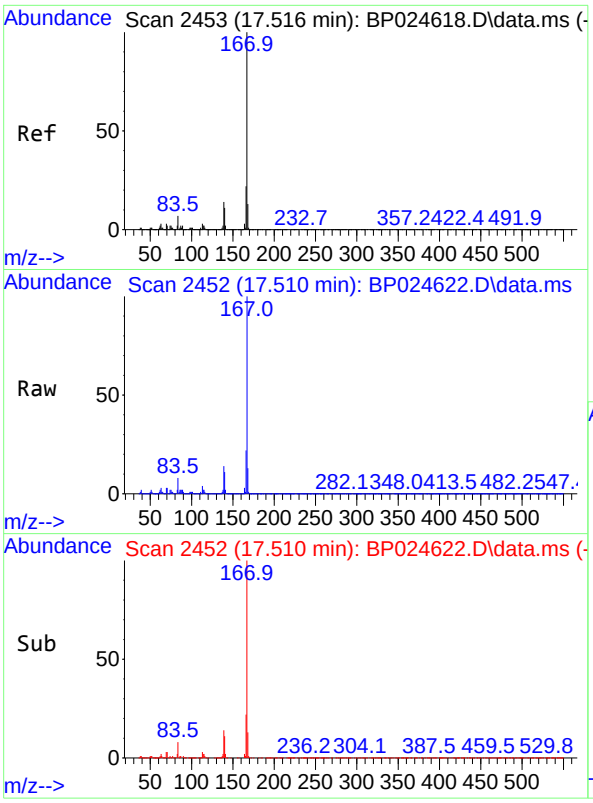



#72
Anthracene
Concen: 38.24 ng
RT: 17.228 min Scan# 2404
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:178 Resp: 1669395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.0 | 22.4 |
| 179 | 15.5 | 12.2 | 18.2 |

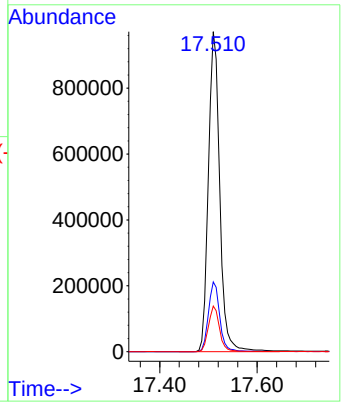





#73
Carbazole
Concen: 39.57 ng
RT: 17.510 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:167 Resp: 156368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.8 | 17.7 | 26.5 |
| 139 | 14.2 | 11.3 | 16.9 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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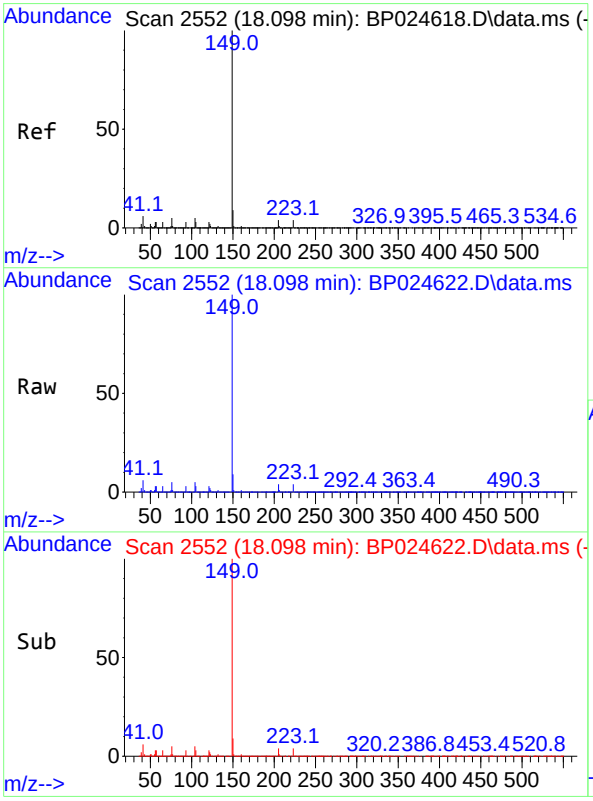
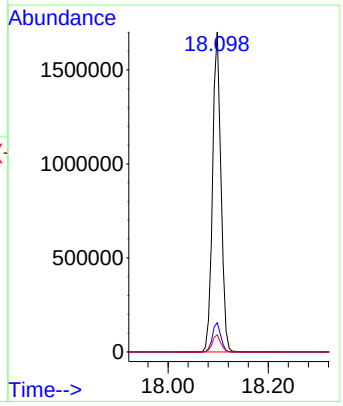
Supervised By :Jagrut Upadhyay 05/14/2025

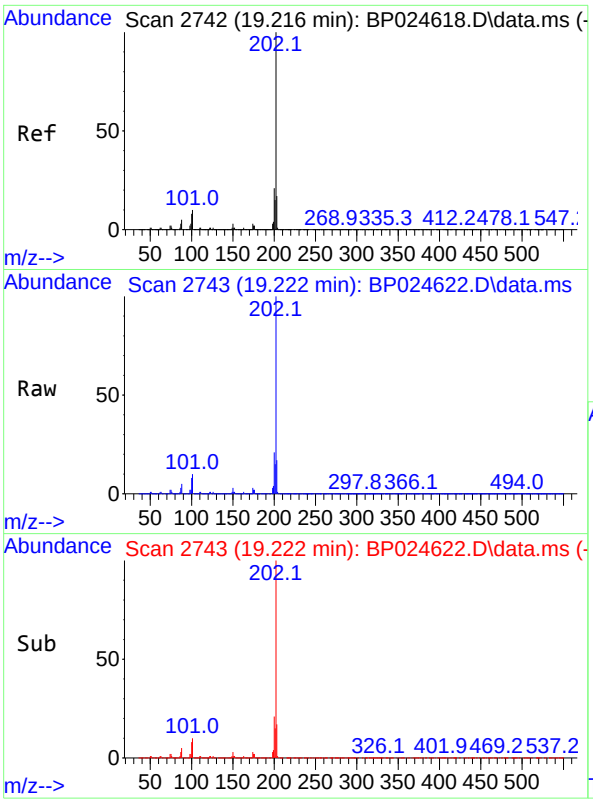



#74
Di-n-butylphthalate
Concen: 38.94 ng
RT: 18.098 min Scan# 2552
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:149 Resp: 1978741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.2 | 10.8 |
| 104 | 5.4 | 4.3 | 6.5 |

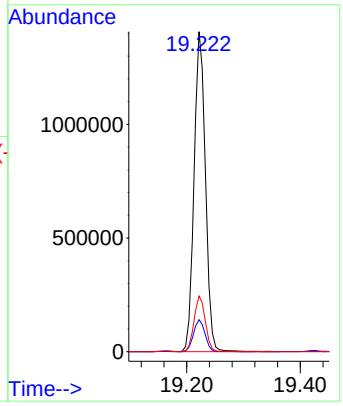





#75
Fluoranthene
Concen: 38.57 ng
RT: 19.222 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:202 Resp: 195604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.0 | 0.0 | 30.3 |
| 203 | 17.4 | 0.0 | 37.5 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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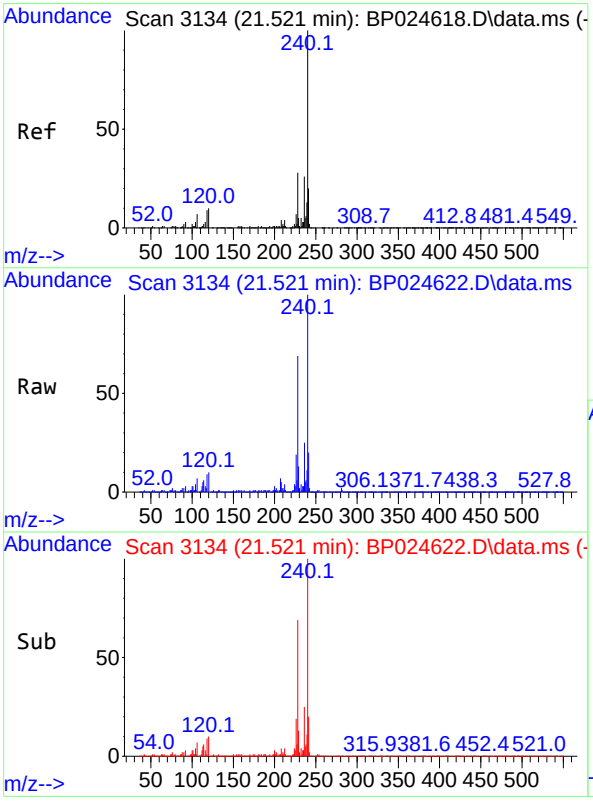
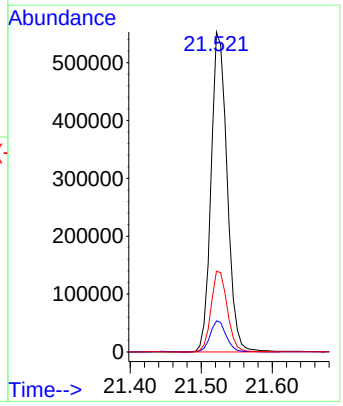
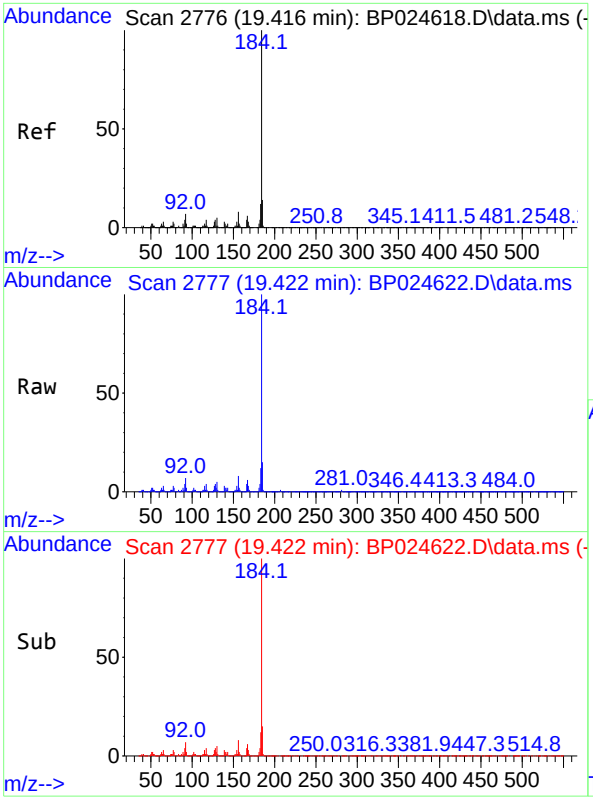



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.521 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:240 Resp: 868822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.7 | 7.8 | 11.6 |
| 236 | 25.2 | 20.6 | 31.0 |

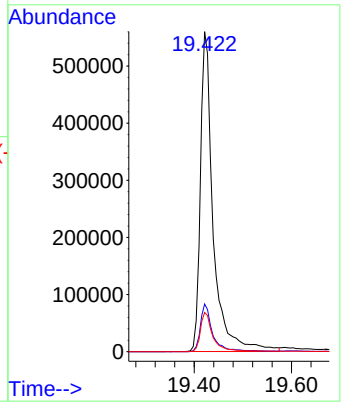





#77
Benzidine
Concen: 43.25 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:184 Resp: 102351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.9 | 11.2 | 16.8 |
| 183 | 12.3 | 9.8 | 14.8 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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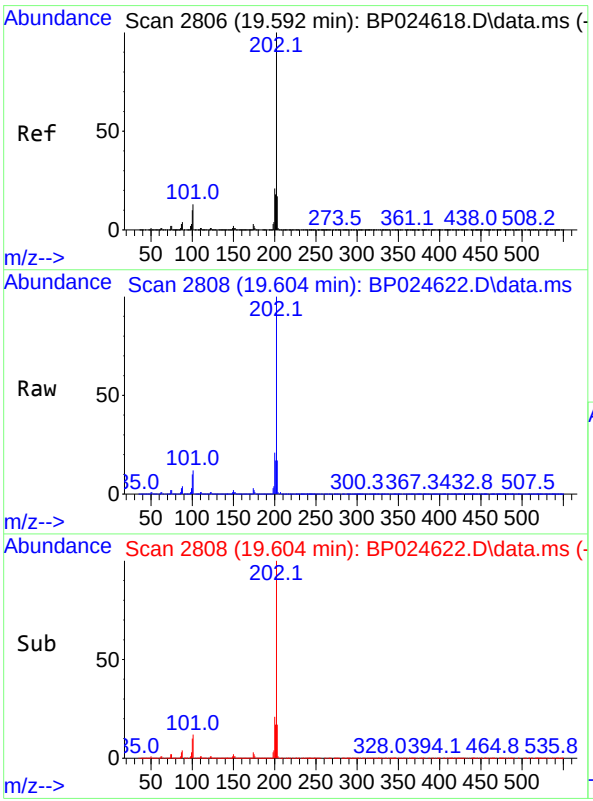
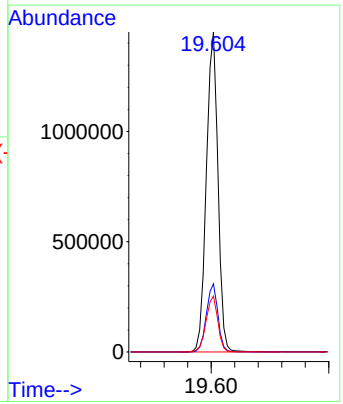
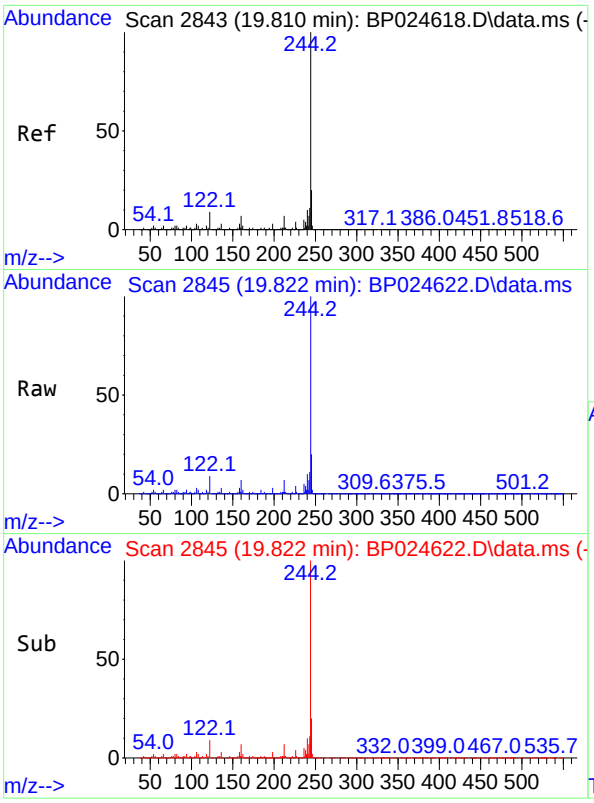



#78
Pyrene
Concen: 38.28 ng
RT: 19.604 min Scan# 2808
Delta R.T. 0.012 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:202 Resp: 1992845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.3 | 16.9 | 25.3 |
| 203 | 17.5 | 13.9 | 20.9 |

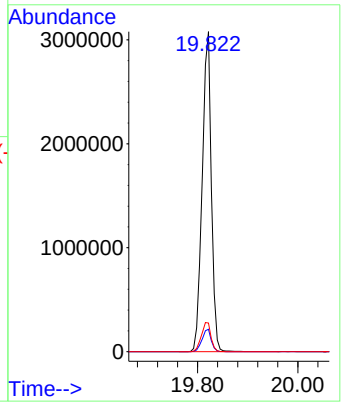





#79
Terphenyl-d14
Concen: 76.75 ng
RT: 19.822 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:244 Resp: 388900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.5 | 8.3 |
| 122 | 9.0 | 7.4 | 11.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

**Manual Integrations**
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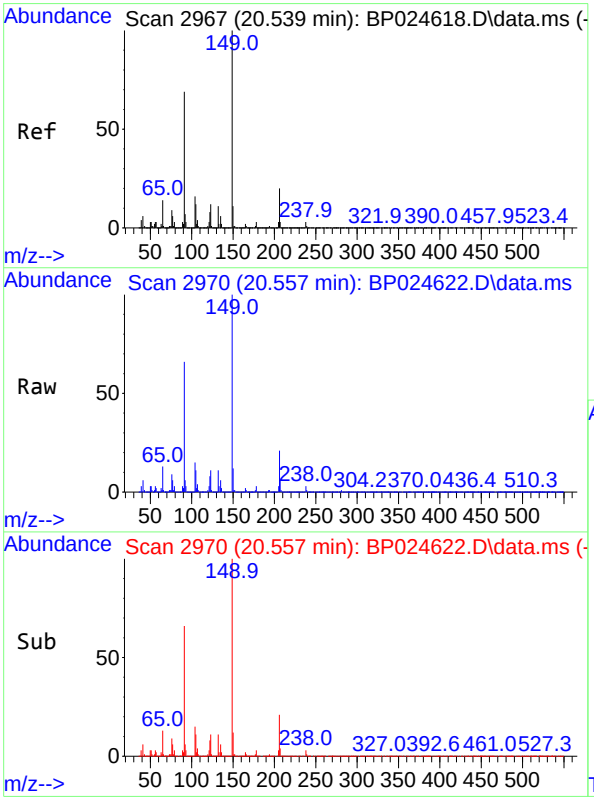
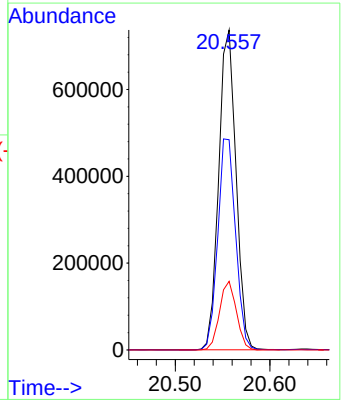
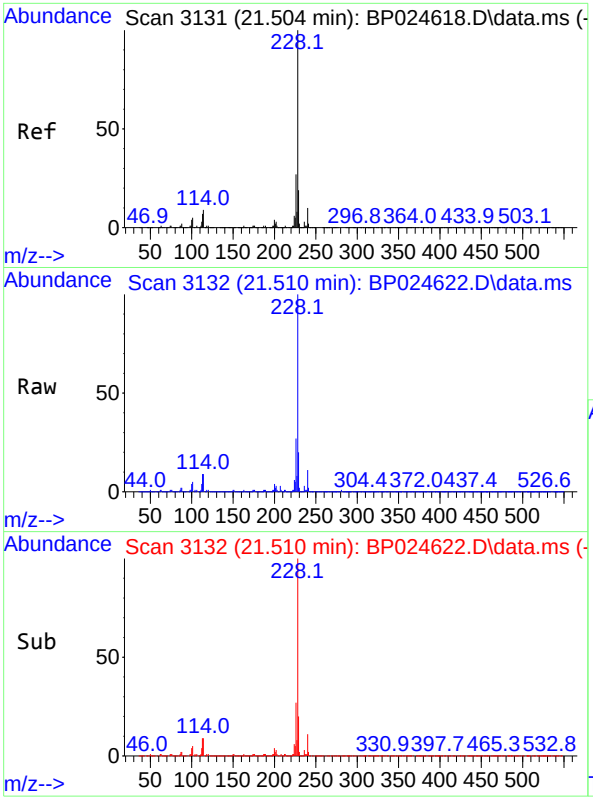



#80
Butylbenzylphthalate
Concen: 40.52 ng
RT: 20.557 min Scan# 2970
Delta R.T. 0.018 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:149 Resp: 938210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 65.7 | 55.4 | 83.0 |
| 206 | 21.5 | 16.2 | 24.2 |

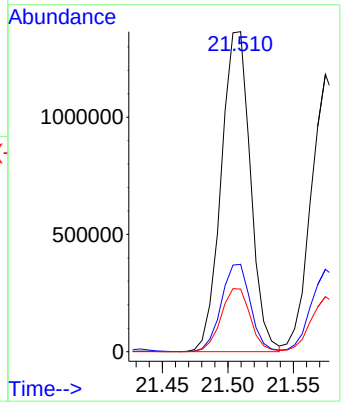





#81
Benzo(a)anthracene
Concen: 38.89 ng
RT: 21.510 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:228 Resp: 212156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.3 | 21.4 | 32.0 |
| 229 | 19.6 | 15.5 | 23.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

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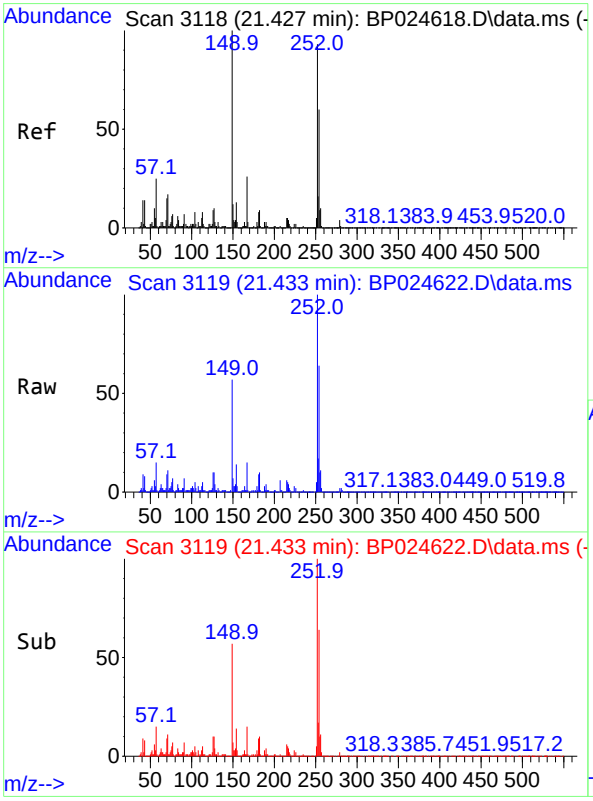
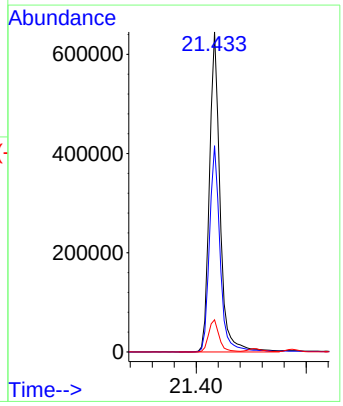
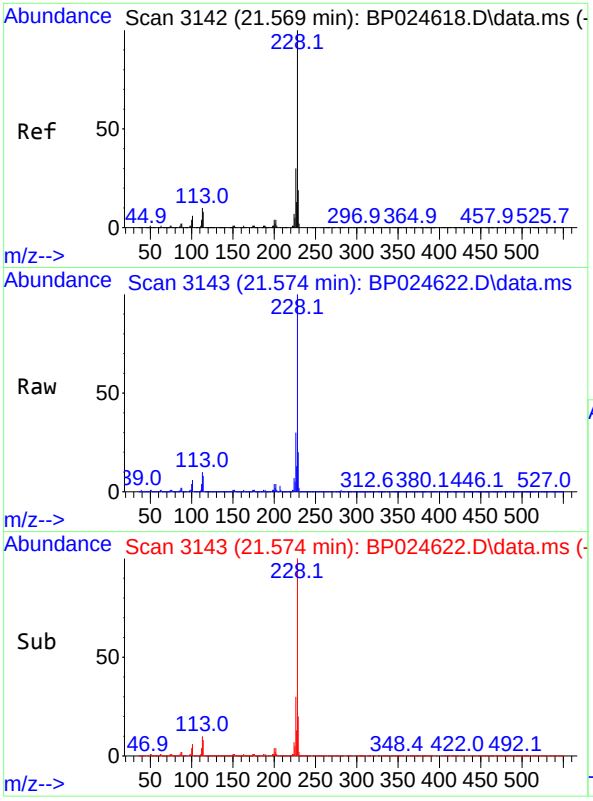



#82
3,3'-Dichlorobenzidine
Concen: 42.51 ng
RT: 21.433 min Scan# 3119
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:252 Resp: 861323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.4 | 51.8 | 77.6 |
| 126 | 10.1 | 7.7 | 11.5 |

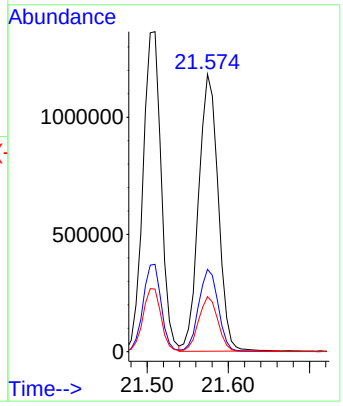





#83
Chrysene
Concen: 38.23 ng
RT: 21.574 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:228 Resp: 197694

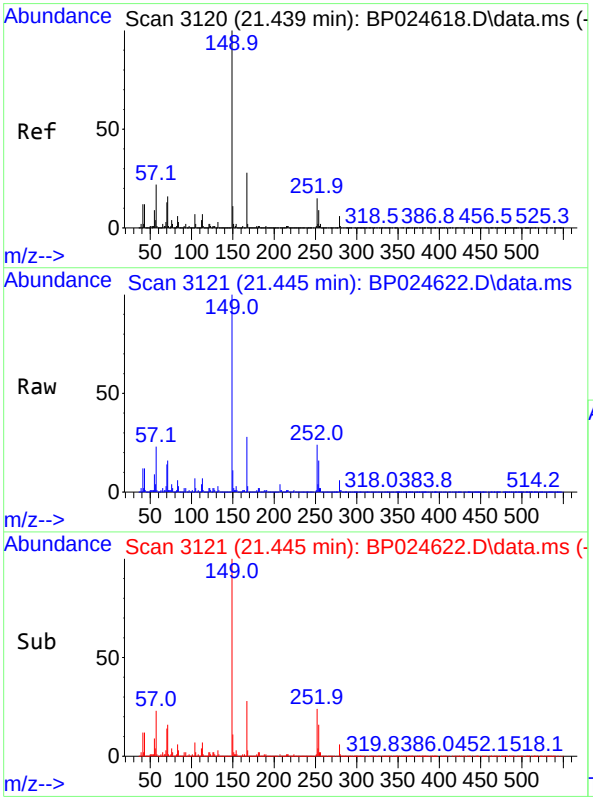
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.7 | 23.9 | 35.9 |
| 229 | 19.9 | 15.5 | 23.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

**Manual Integrations APPROVED**

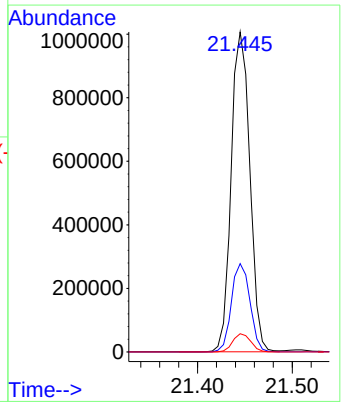
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

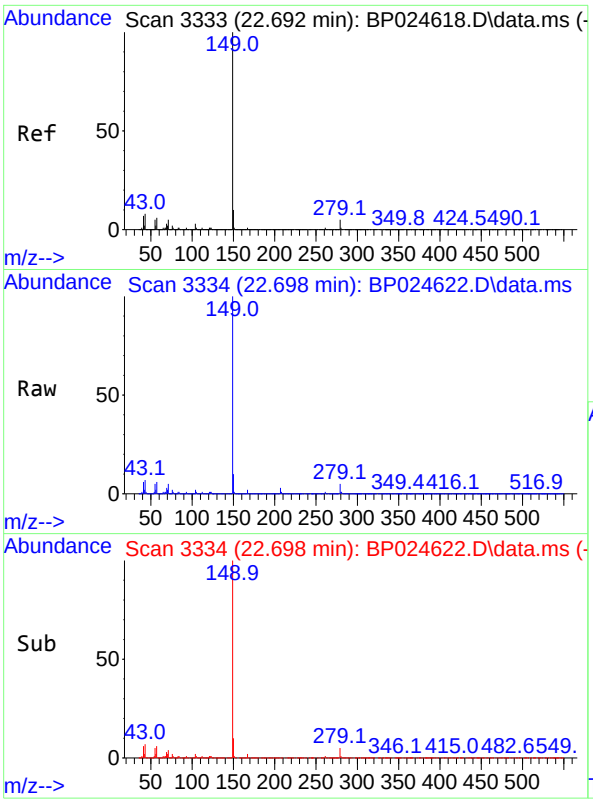



#84
Bis(2-ethylhexyl)phthalate
Concen: 40.43 ng
RT: 21.445 min Scan# 3121
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:149 Resp: 1375919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.6 | 22.1 | 33.1 |
| 279 | 5.7 | 4.6 | 6.8 |

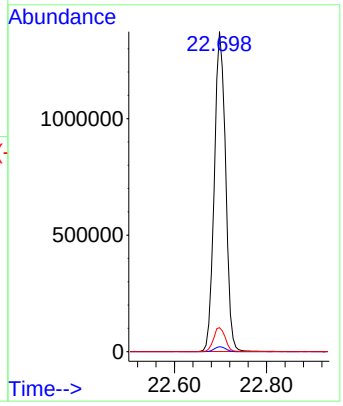





#85
Di-n-octyl phthalate
Concen: 41.72 ng
RT: 22.698 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:149 Resp: 232167

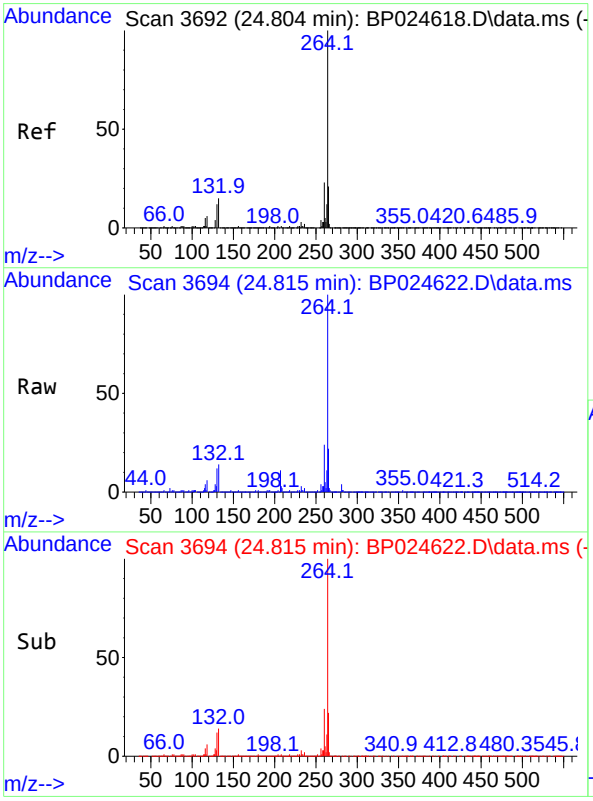
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.2 | 1.8 |
| 43 | 7.8 | 6.3 | 9.5 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

**Manual Integrations APPROVED**

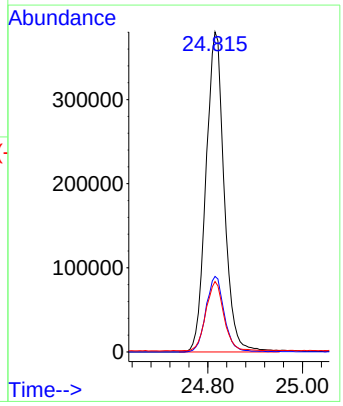
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

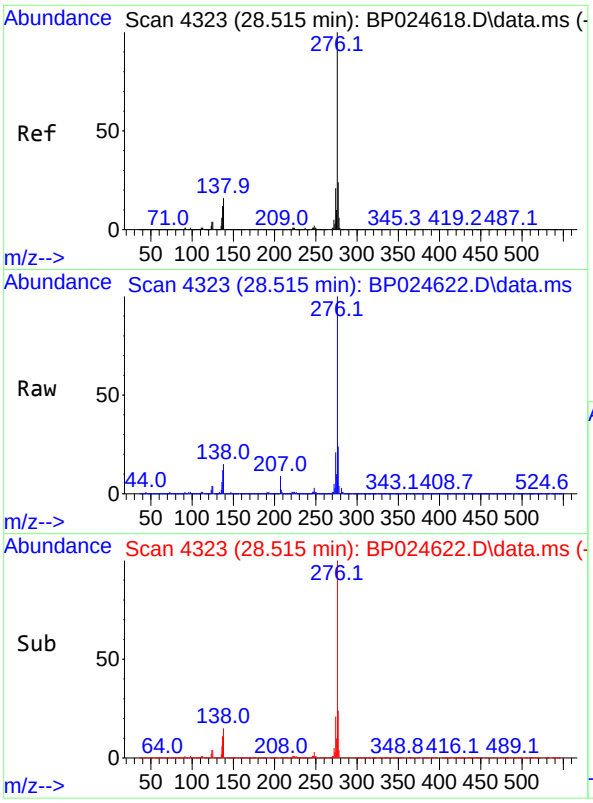



#86
Perylene-d12
Concen: 20.00 ng
RT: 24.815 min Scan# 3694
Delta R.T. 0.012 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:264 Resp: 1015341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 18.7 | 28.1 |
| 265 | 22.0 | 17.0 | 25.6 |

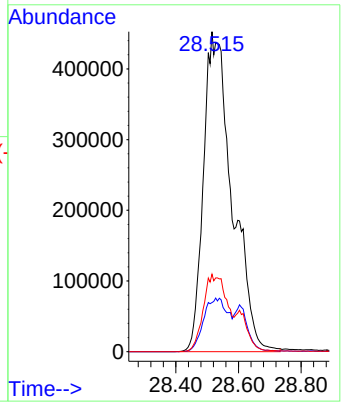





#87
Indeno(1,2,3-cd)pyrene
Concen: 38.85 ng m
RT: 28.515 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:276 Resp: 287986

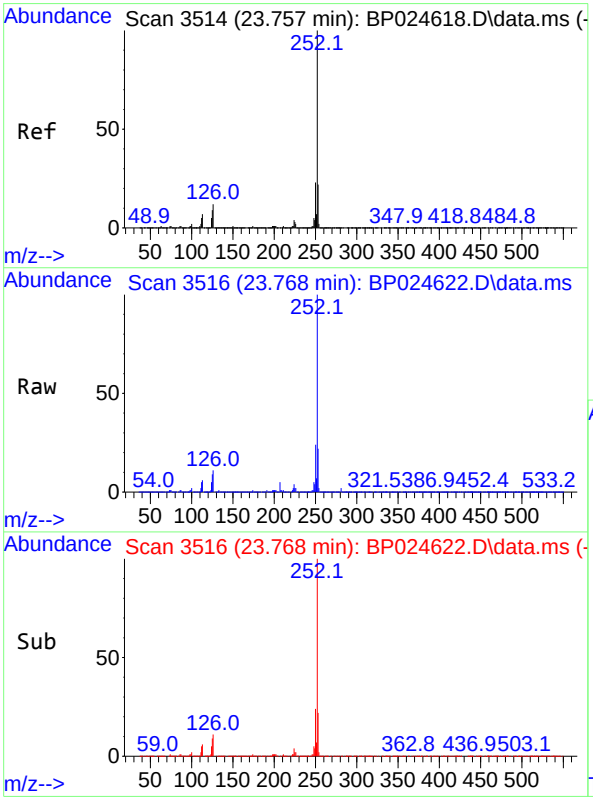
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 14.2 | 11.2 | 16.8 |
| 277 | 10.6 | 15.7 | 23.5 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

**Manual Integrations APPROVED**

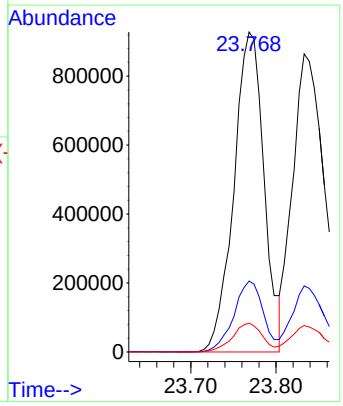
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

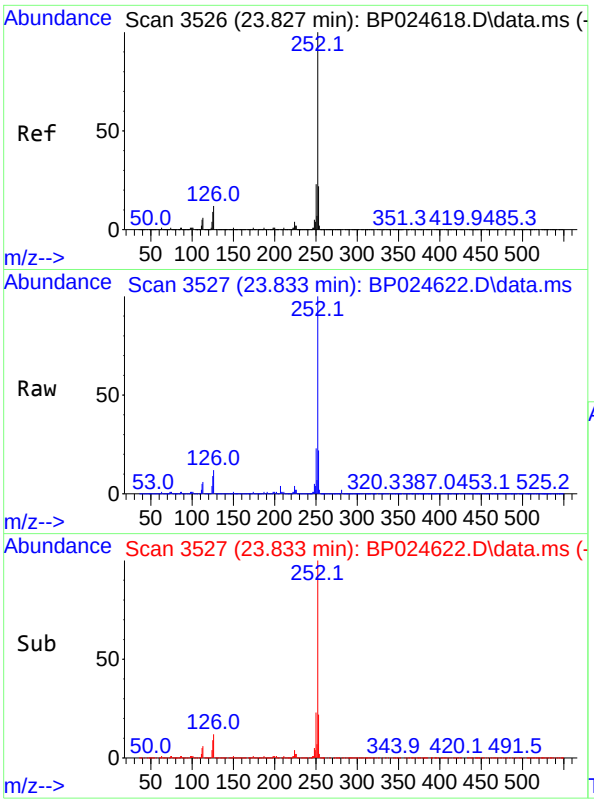



#88
Benzo(b)fluoranthene
Concen: 39.29 ng
RT: 23.768 min Scan# 3516
Delta R.T. 0.012 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:252 Resp: 2283322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.7 | 26.5 |
| 125 | 9.0 | 7.5 | 11.3 |

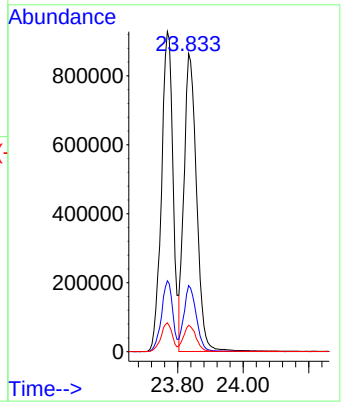





#89
Benzo(k)fluoranthene
Concen: 38.22 ng
RT: 23.833 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:252 Resp: 228900

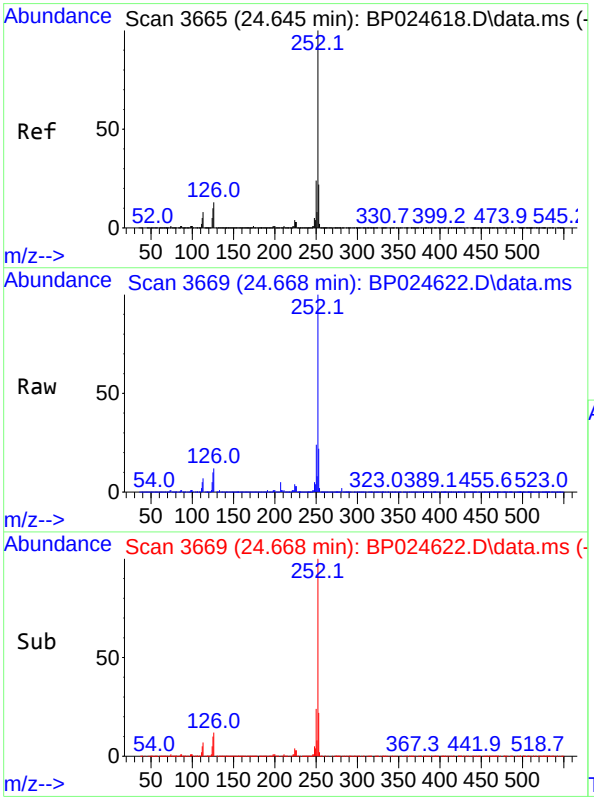
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.6 | 26.4 |
| 125 | 8.9 | 7.0 | 10.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

**Manual Integrations APPROVED**

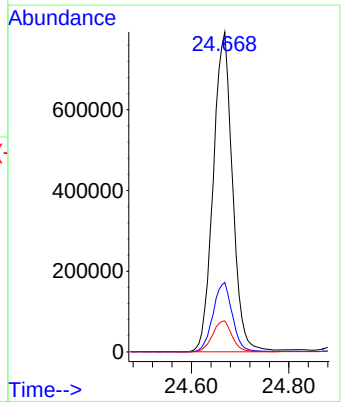
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

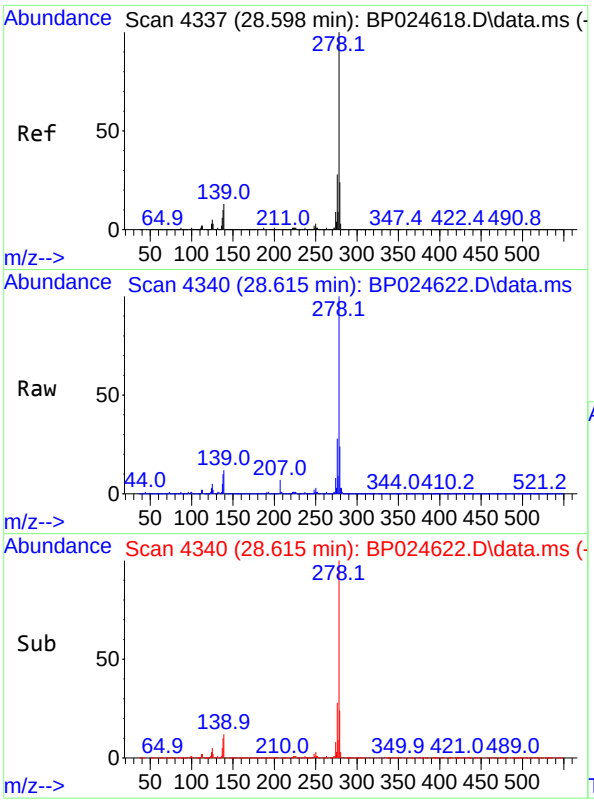



#90
Benzo(a)pyrene
Concen: 39.00 ng
RT: 24.668 min Scan# 3669
Delta R.T. 0.023 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:252 Resp: 2177020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.7 | 26.5 |
| 125 | 9.7 | 8.1 | 12.1 |

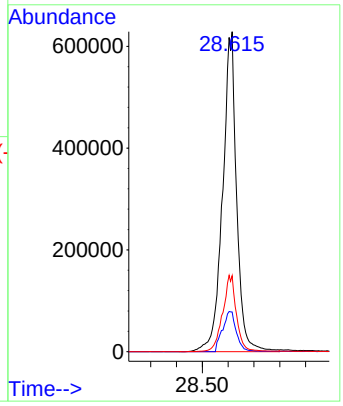





#91
Dibenzo(a,h)anthracene
Concen: 39.38 ng
RT: 28.615 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:278 Resp: 237455

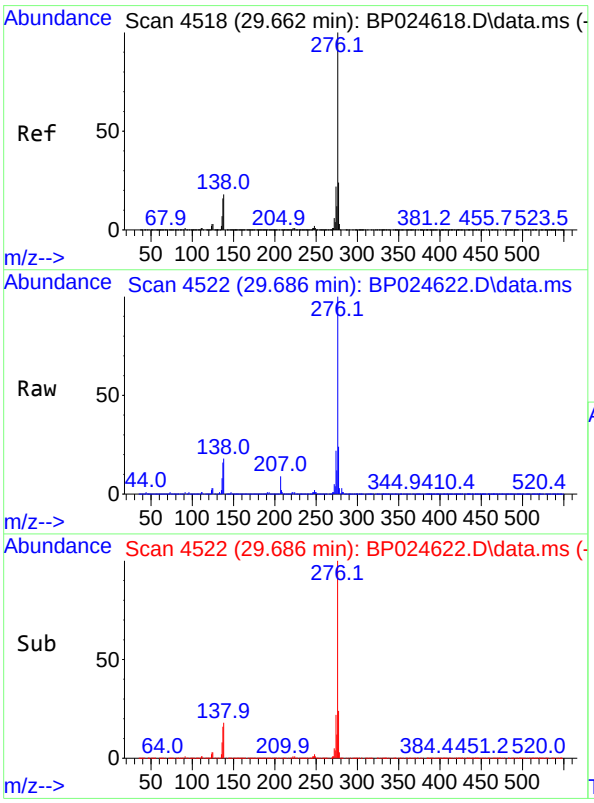
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 12.4 | 10.2 | 15.4 |
| 279 | 23.8 | 19.0 | 28.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

**Manual Integrations APPROVED**

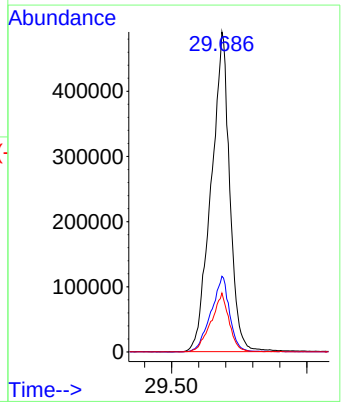
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025




#92
Benzo(g,h,i)perylene
Concen: 38.91 ng
RT: 29.686 min Scan# 4522
Delta R.T. 0.023 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:276 Resp: 2333151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 19.0 | 28.4 |
| 138 | 18.4 | 14.4 | 21.6 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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 | 119 | 0.00 |
| 2 | | 1,4-Dioxane | 0.549 | 0.505 | 8.0 | 119 | 0.00 |
| 3 | | Pyridine | 1.218 | 1.203 | 1.2 | 120 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.538 | 0.510 | 5.2 | 118 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.169 | 1.139 | 2.6 | 123 | 0.00 |
| 6 | | Aniline | 1.927 | 1.889 | 2.0 | 118 | 0.00 |
| 7 | S | Phenol-d6 | 1.492 | 1.475 | 1.1 | 120 | 0.00 |
| 8 | | 2-Chlorophenol | 1.327 | 1.306 | 1.6 | 120 | 0.00 |
| 9 | | Benzaldehyde | 0.966 | 0.943 | 2.4 | 118 | 0.00 |
| 10 | C | Phenol | 1.540 | 1.505 | 2.3 | 119 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.266 | 1.200 | 5.2 | 118 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.527 | 1.447 | 5.2 | 120 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.536 | 1.456 | 5.2 | 118 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.497 | 1.418 | 5.3 | 119 | 0.00 |
| 15 | | Benzyl Alcohol | 1.134 | 1.149 | -1.3 | 119 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.516 | 1.441 | 4.9 | 117 | 0.00 |
| 17 | | 2-Methylphenol | 1.105 | 1.094 | 1.0 | 119 | 0.00 |
| 18 | | Hexachloroethane | 0.589 | 0.548 | 7.0 | 119 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.032 | 1.011 | 2.0 | 115 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.503 | 1.486 | 1.1 | 117 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 115 | 0.00 |
| 22 | | Acetophenone | 0.500 | 0.480 | 4.0 | 115 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.396 | 0.387 | 2.3 | 116 | 0.00 |
| 24 | | Nitrobenzene | 0.348 | 0.335 | 3.7 | 115 | 0.00 |
| 25 | | Isophorone | 0.687 | 0.661 | 3.8 | 113 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.171 | 0.175 | -2.3 | 118 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.301 | 0.297 | 1.3 | 115 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.410 | 0.397 | 3.2 | 115 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.292 | 0.293 | -0.3 | 116 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.329 | 0.313 | 4.9 | 118 | 0.00 |
| 31 | | Naphthalene | 1.036 | 0.986 | 4.8 | 116 | 0.00 |
| 32 | | Benzoic acid | 0.181 | 0.180 | 0.6 | 108 | 0.00 |
| 33 | | 4-Chloroaniline | 0.418 | 0.422 | -1.0 | 116 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.213 | 0.198 | 7.0 | 115 | 0.00 |
| 35 | | Caprolactam | 0.106 | 0.105 | 0.9 | 110 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.356 | 0.347 | 2.5 | 112 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.671 | 0.635 | 5.4 | 114 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.718 | 0.670 | 6.7 | 112 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 108 | -0.01 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.581 | 0.568 | 2.2 | 112 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.352 | 0.391 | -11.1 | 118 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.339 | 0.333 | 1.8 | 111 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.376 | 0.391 | -4.0 | 114 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.419 | 0.430 | -2.6 | 115 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.527 | 1.464 | 4.1 | 110 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.478 | 1.438 | 2.7 | 112 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.127 | 1.106 | 1.9 | 112 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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 | 0.334 | 0.339 | -1.5 | 109 | 0.00 |
| 49 | | Acenaphthylene | 1.886 | 1.815 | 3.8 | 109 | 0.00 |
| 50 | | Dimethylphthalate | 1.524 | 1.477 | 3.1 | 110 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.322 | 0.316 | 1.9 | 109 | 0.00 |
| 52 | C | Acenaphthene | 1.084 | 1.028 | 5.2 | 108 | 0.00 |
| 53 | | 3-Nitroaniline | 0.329 | 0.336 | -2.1 | 107 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.169 | 0.173 | -2.4 | 109 | 0.00 |
| 55 | | Dibenzofuran | 1.730 | 1.639 | 5.3 | 108 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.250 | 0.259 | -3.6 | 109 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.454 | 0.454 | 0.0 | 108 | 0.00 |
| 58 | | Fluorene | 1.410 | 1.355 | 3.9 | 109 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.388 | 0.381 | 1.8 | 109 | 0.00 |
| 60 | | Diethylphthalate | 1.541 | 1.470 | 4.6 | 110 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.703 | 0.673 | 4.3 | 111 | 0.00 |
| 62 | | 4-Nitroaniline | 0.317 | 0.339 | -6.9 | 111 | 0.00 |
| 63 | | Azobenzene | 1.318 | 1.279 | 3.0 | 110 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.129 | 0.130 | -0.8 | 110 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.614 | 0.589 | 4.1 | 108 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.236 | 0.229 | 3.0 | 111 | 0.00 |
| 68 | | Hexachlorobenzene | 0.299 | 0.286 | 4.3 | 110 | 0.00 |
| 69 | | Atrazine | 0.225 | 0.223 | 0.9 | 111 | 0.00 |
| 70 | C | Pentachlorophenol | 0.168 | 0.173 | -3.0 | 109 | 0.00 |
| 71 | | Phenanthrene | 1.112 | 1.044 | 6.1 | 108 | 0.00 |
| 72 | | Anthracene | 1.119 | 1.069 | 4.5 | 108 | 0.00 |
| 73 | | Carbazole | 1.012 | 1.002 | 1.0 | 109 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.302 | 1.268 | 2.6 | 109 | 0.00 |
| 75 | C | Fluoranthene | 1.300 | 1.253 | 3.6 | 109 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 77 | | Benzidine | 0.545 | 0.589 | -8.1 | 113 | 0.00 |
| 78 | | Pyrene | 1.198 | 1.147 | 4.3 | 107 | 0.01 |
| 79 | S | Terphenyl-d14 | 1.166 | 1.119 | 4.0 | 107 | 0.01 |
| 80 | | Butylbenzylphthalate | 0.533 | 0.540 | -1.3 | 110 | 0.02 |
| 81 | | Benzo(a)anthracene | 1.256 | 1.221 | 2.8 | 108 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.466 | 0.496 | -6.4 | 111 | 0.00 |
| 83 | | Chrysene | 1.190 | 1.138 | 4.4 | 108 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.783 | 0.792 | -1.1 | 111 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.281 | 1.336 | -4.3 | 112 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 109 | 0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.460 | 1.418 | 2.9 | 109 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.145 | 1.124 | 1.8 | 111 | 0.01 |
| 89 | | Benzo(k)fluoranthene | 1.180 | 1.127 | 4.5 | 108 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.099 | 1.072 | 2.5 | 110 | 0.02 |
| 91 | | Dibenzo(a,h)anthracene | 1.188 | 1.169 | 1.6 | 109 | 0.02 |
| 92 | | Benzo(g,h,i)perylene | 1.181 | 1.149 | 2.7 | 109 | 0.02 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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 | 119 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 36.789 | 8.0 | 119 | 0.00 |
| 3 | | Pyridine | 40.000 | 39.526 | 1.2 | 120 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 37.979 | 5.1 | 118 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 77.955 | 2.6 | 123 | 0.00 |
| 6 | | Aniline | 40.000 | 39.210 | 2.0 | 118 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 79.089 | 1.1 | 120 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.367 | 1.6 | 120 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 39.033 | 2.4 | 118 | 0.00 |
| 10 | C | Phenol | 40.000 | 39.089 | 2.3 | 119 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.938 | 5.2 | 118 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 37.893 | 5.3 | 120 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 37.904 | 5.2 | 118 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 37.896 | 5.3 | 119 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 40.541 | -1.4 | 119 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.037 | 4.9 | 117 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.618 | 1.0 | 119 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 37.211 | 7.0 | 119 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.165 | 2.1 | 115 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.562 | 1.1 | 117 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 115 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.468 | 3.8 | 115 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 78.227 | 2.2 | 116 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.505 | 3.7 | 115 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.491 | 3.8 | 113 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.121 | -2.8 | 118 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.484 | 1.3 | 115 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.714 | 3.2 | 115 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.189 | -0.5 | 116 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.109 | 4.7 | 118 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.069 | 4.8 | 116 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 36.464 | 8.8 | 108 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 40.368 | -0.9 | 116 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 37.285 | 6.8 | 115 | 0.00 |
| 35 | | Caprolactam | 40.000 | 39.752 | 0.6 | 110 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.013 | 2.5 | 112 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.852 | 5.4 | 114 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 37.339 | 6.7 | 112 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 108 | -0.01 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.130 | 2.2 | 112 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 44.371 | -10.9 | 118 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 78.525 | 1.8 | 111 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 41.549 | -3.9 | 114 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 41.064 | -2.7 | 115 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 76.733 | 4.1 | 110 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 38.906 | 2.7 | 112 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.238 | 1.9 | 112 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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 | 40.604 | -1.5 | 109 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 38.493 | 3.8 | 109 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 38.751 | 3.1 | 110 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 39.317 | 1.7 | 109 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 37.904 | 5.2 | 108 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 40.871 | -2.2 | 107 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 37.829 | 5.4 | 109 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 37.910 | 5.2 | 108 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 38.698 | 3.3 | 109 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 39.975 | 0.1 | 108 | 0.00 |
| 58 | | Fluorene | 40.000 | 38.422 | 3.9 | 109 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.274 | 1.8 | 109 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 38.171 | 4.6 | 110 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 38.249 | 4.4 | 111 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 42.722 | -6.8 | 111 | 0.00 |
| 63 | | Azobenzene | 40.000 | 38.822 | 2.9 | 110 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 109 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 40.305 | -0.8 | 110 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 38.382 | 4.0 | 108 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 38.909 | 2.7 | 111 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 38.175 | 4.6 | 110 | 0.00 |
| 69 | | Atrazine | 40.000 | 39.570 | 1.1 | 111 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 41.124 | -2.8 | 109 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 37.546 | 6.1 | 108 | 0.00 |
| 72 | | Anthracene | 40.000 | 38.241 | 4.4 | 108 | 0.00 |
| 73 | | Carbazole | 40.000 | 39.575 | 1.1 | 109 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 38.939 | 2.7 | 109 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 38.566 | 3.6 | 109 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 107 | 0.00 |
| 77 | | Benzidine | 40.000 | 43.253 | -8.1 | 113 | 0.00 |
| 78 | | Pyrene | 40.000 | 38.281 | 4.3 | 107 | 0.01 |
| 79 | S | Terphenyl-d14 | 80.000 | 76.753 | 4.1 | 107 | 0.01 |
| 80 | | Butylbenzylphthalate | 40.000 | 40.523 | -1.3 | 110 | 0.02 |
| 81 | | Benzo(a)anthracene | 40.000 | 38.889 | 2.8 | 108 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 42.508 | -6.3 | 111 | 0.00 |
| 83 | | Chrysene | 40.000 | 38.227 | 4.4 | 108 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.433 | -1.1 | 111 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 41.721 | -4.3 | 112 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 109 | 0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.851 | 2.9 | 109 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 39.289 | 1.8 | 111 | 0.01 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 38.223 | 4.4 | 108 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 39.004 | 2.5 | 110 | 0.02 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 39.377 | 1.6 | 109 | 0.02 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 38.906 | 2.7 | 109 | 0.02 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG No.: Q2064

Instrument ID: BNA_P Calibration Date/Time: 05/20/2025 11:52

Lab File ID: BP024703.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Fluorophenol | 1.169 | 1.129 | | -3.4 | |
| Benzaldehyde | 0.966 | 0.885 | | -8.4 | |
| Phenol-d6 | 1.492 | 1.410 | | -5.5 | |
| Phenol | 1.540 | 1.418 | | -7.9 | 20.0 |
| bis(2-Chloroethyl)ether | 1.266 | 1.114 | | -12.0 | |
| 2-Chlorophenol | 1.327 | 1.280 | | -3.5 | |
| 2-Methylphenol | 1.105 | 1.022 | | -7.5 | |
| 2,2-oxybis(1-Chloropropane) | 1.516 | 1.340 | | -11.6 | |
| Acetophenone | 0.500 | 0.472 | | -5.6 | |
| 3+4-Methylphenols | 1.503 | 1.381 | | -8.1 | |
| n-Nitroso-di-n-propylamine | 1.032 | 0.915 | 0.050 | -11.3 | |
| Nitrobenzene-d5 | 0.396 | 0.375 | | -5.3 | |
| Hexachloroethane | 0.589 | 0.545 | | -7.5 | |
| Nitrobenzene | 0.348 | 0.330 | | -5.2 | |
| Isophorone | 0.687 | 0.624 | | -9.2 | |
| 2-Nitrophenol | 0.171 | 0.178 | | 4.1 | 20.0 |
| 2,4-Dimethylphenol | 0.301 | 0.296 | | -1.7 | |
| bis(2-Chloroethoxy)methane | 0.410 | 0.367 | | -10.5 | |
| 2,4-Dichlorophenol | 0.292 | 0.289 | | -1.0 | 20.0 |
| Naphthalene | 1.036 | 0.995 | | -4.0 | |
| 4-Chloroaniline | 0.418 | 0.409 | | -2.2 | |
| Hexachlorobutadiene | 0.213 | 0.211 | | -0.9 | 20.0 |
| Caprolactam | 0.106 | 0.098 | | -7.5 | |
| 4-Chloro-3-methylphenol | 0.356 | 0.337 | | -5.3 | 20.0 |
| 2-Methylnaphthalene | 0.671 | 0.634 | | -5.5 | |
| Hexachlorocyclopentadiene | 0.352 | 0.351 | 0.050 | -0.3 | |
| 2,4,6-Trichlorophenol | 0.376 | 0.384 | | 2.1 | 20.0 |
| 2-Fluorobiphenyl | 1.527 | 1.512 | | -1.0 | |
| 2,4,5-Trichlorophenol | 0.419 | 0.427 | | 1.9 | |
| 1,1-Biphenyl | 1.478 | 1.420 | | -3.9 | |
| 2-Chloronaphthalene | 1.127 | 1.097 | | -2.7 | |
| 2-Nitroaniline | 0.334 | 0.320 | | -4.2 | |
| Dimethylphthalate | 1.524 | 1.412 | | -7.3 | |
| Acenaphthylene | 1.886 | 1.792 | | -5.0 | |
| 2,6-Dinitrotoluene | 0.322 | 0.312 | | -3.1 | |
| 3-Nitroaniline | 0.329 | 0.315 | | -4.3 | |
| Acenaphthene | 1.084 | 1.035 | | -4.5 | 20.0 |
| 2,4-Dinitrophenol | 0.169 | 0.160 | 0.050 | -5.3 | |
| 4-Nitrophenol | 0.250 | 0.320 | 0.050 | 28.0 | |

Form VII SV-1

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: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG No.: Q2064

Instrument ID: BNA_P Calibration Date/Time: 05/20/2025 11:52

Lab File ID: BP024703.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dibenzofuran | 1.730 | 1.654 | | -4.4 | |
| 2,4-Dinitrotoluene | 0.454 | 0.441 | | -2.9 | |
| Diethylphthalate | 1.541 | 1.438 | | -6.7 | |
| 4-Chlorophenyl-phenylether | 0.703 | 0.679 | | -3.4 | |
| Fluorene | 1.410 | 1.354 | | -4.0 | |
| 4-Nitroaniline | 0.317 | 0.299 | | -5.7 | |
| 4,6-Dinitro-2-methylphenol | 0.129 | 0.128 | | -0.8 | |
| n-Nitrosodiphenylamine | 0.614 | 0.596 | | -2.9 | 20.0 |
| 2,4,6-Tribromophenol | 0.339 | 0.348 | | 2.7 | |
| 4-Bromophenyl-phenylether | 0.236 | 0.238 | | 0.8 | |
| Hexachlorobenzene | 0.299 | 0.299 | | 0.0 | |
| Atrazine | 0.225 | 0.224 | | -0.4 | |
| Pentachlorophenol | 0.168 | 0.165 | | -1.8 | 20.0 |
| Phenanthrene | 1.112 | 1.065 | | -4.2 | |
| Anthracene | 1.119 | 1.093 | | -2.3 | |
| Carbazole | 1.012 | 0.966 | | -4.5 | |
| Di-n-butylphthalate | 1.302 | 1.263 | | -3.0 | |
| Fluoranthene | 1.300 | 1.234 | | -5.1 | 20.0 |
| Pyrene | 1.198 | 1.171 | | -2.3 | |
| Terphenyl-d14 | 1.166 | 1.167 | | 0.1 | |
| Butylbenzylphthalate | 0.533 | 0.527 | | -1.1 | |
| 3,3-Dichlorobenzidine | 0.466 | 0.476 | | 2.1 | |
| Benzo(a)anthracene | 1.256 | 1.210 | | -3.7 | |
| Chrysene | 1.190 | 1.135 | | -4.6 | |
| Bis(2-ethylhexyl)phthalate | 0.783 | 0.764 | | -2.4 | |
| Di-n-octyl phthalate | 1.281 | 1.290 | | 0.7 | 20.0 |
| Benzo(b)fluoranthene | 1.145 | 1.102 | | -3.8 | |
| Benzo(k)fluoranthene | 1.180 | 1.133 | | -4.0 | |
| Benzo(a)pyrene | 1.099 | 1.069 | | -2.7 | 20.0 |
| Indeno(1,2,3-cd)pyrene | 1.460 | 1.420 | | -2.7 | |
| Dibenzo(a,h)anthracene | 1.188 | 1.154 | | -2.9 | |
| Benzo(g,h,i)perylene | 1.181 | 1.129 | | -4.4 | |
| 1,2,4,5-Tetrachlorobenzene | 0.581 | 0.583 | | 0.3 | |
| 1,4-Dioxane | 0.549 | 0.490 | | -10.7 | 20.0 |
| 2,3,4,6-Tetrachlorophenol | 0.388 | 0.381 | | -1.8 | |

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024703.D
Acq On : 20 May 2025 11:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Quant Time: May 20 12:59:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.657 | 152 | 123667 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.428 | 136 | 504753 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.287 | 164 | 316846 | 20.000 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.081 | 188 | 620396 | 20.000 | ng | | -0.02 |
| 76) Chrysene-d12 | 21.516 | 240 | 679929 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.798 | 264 | 792201 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.293 | 112 | 558471 | 77.239 | ng | | 0.00 |
| 7) Phenol-d6 | 6.858 | 99 | 697511 | 75.586 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.804 | 82 | 758074 | 75.884 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.804 | 330 | 441081 | 82.116 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.893 | 172 | 1916443 | 79.243 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.810 | 244 | 3174042 | 80.045 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.222 | 88 | 121113 | 35.672 | ng | | 99 |
| 3) Pyridine | 3.622 | 79 | 281565 | 37.400 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.528 | 42 | 126280 | 37.995 | ng | | 94 |
| 6) Aniline | 6.999 | 93 | 436222 | 36.614 | ng | | 99 |
| 8) 2-Chlorophenol | 7.234 | 128 | 316592 | 38.571 | ng | | 98 |
| 9) Benzaldehyde | 6.810 | 77 | 218883 | 36.642 | ng | | 99 |
| 10) Phenol | 6.887 | 94 | 350820 | 36.834 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.093 | 93 | 275441 | 35.195 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.546 | 146 | 358557 | 37.969 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.693 | 146 | 361848 | 38.098 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 8.005 | 146 | 350515 | 37.873 | ng | | 99 |
| 15) Benzyl Alcohol | 7.905 | 79 | 266818 | 38.049 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.181 | 45 | 331428 | 35.362 | ng | | 99 |
| 17) 2-Methylphenol | 8.116 | 107 | 252873 | 37.017 | ng | | 97 |
| 18) Hexachloroethane | 8.716 | 117 | 134692 | 37.007 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 8.457 | 70 | 226226 | 35.440 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.440 | 107 | 341536 | 36.755 | ng | | 99 |
| 22) Acetophenone | 8.475 | 105 | 475992 | 37.752 | ng | # | 99 |
| 24) Nitrobenzene | 8.846 | 77 | 332647 | 37.838 | ng | | 96 |
| 25) Isophorone | 9.369 | 82 | 630069 | 36.360 | ng | | 98 |
| 26) 2-Nitrophenol | 9.552 | 139 | 180007 | 41.786 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.622 | 122 | 298599 | 39.314 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 9.840 | 93 | 370445 | 35.782 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.104 | 162 | 291338 | 39.583 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.287 | 180 | 329782 | 39.761 | ng | | 95 |
| 31) Naphthalene | 10.475 | 128 | 1004479 | 38.402 | ng | | 99 |
| 32) Benzoic acid | 9.793 | 122 | 177252 | 35.775 | ng | | 96 |
| 33) 4-Chloroaniline | 10.593 | 127 | 412703 | 39.100 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.757 | 225 | 213441 | 39.725 | ng | | 97 |
| 35) Caprolactam | 11.393 | 113 | 99335 | 37.303 | ng | | 99 |
| 36) 4-Chloro-3-methylphenol | 11.740 | 107 | 340527 | 37.939 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.087 | 142 | 640384 | 37.810 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.310 | 142 | 679915 | 37.519 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.463 | 216 | 369584 | 40.169 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.440 | 237 | 222383 | 39.860 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 12.716 | 196 | 243302 | 40.826 | ng | | 98 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024703.D
Acq On : 20 May 2025 11:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Quant Time: May 20 12:59:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

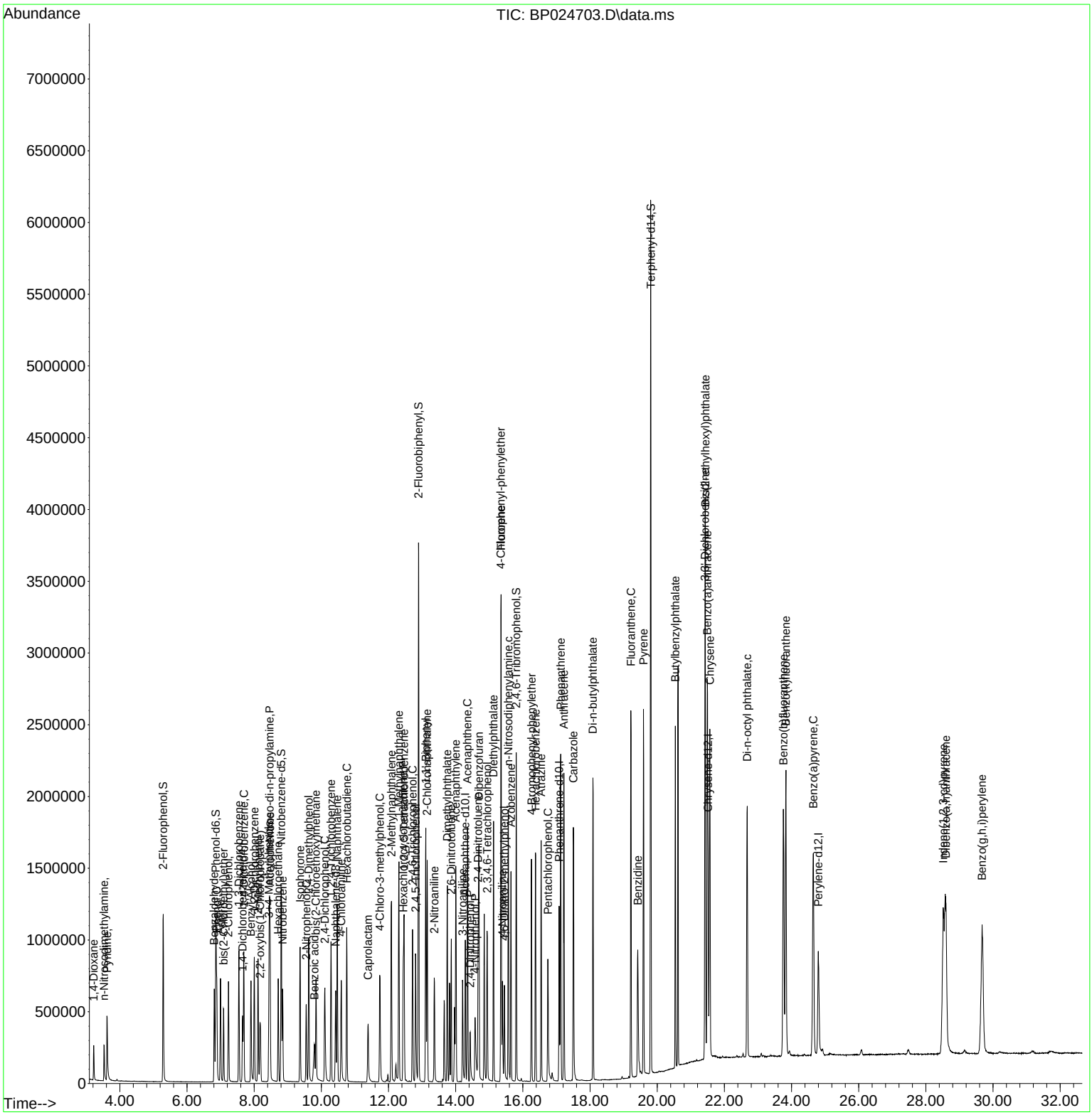
| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 12.810 | 196 | 270865 | 40.832 | ng | | 97 |
| 46) | 1,1'-Biphenyl | 13.110 | 154 | 899673 | 38.417 | ng | | 99 |
| 47) | 2-Chloronaphthalene | 13.151 | 162 | 695128 | 38.930 | ng | | 99 |
| 48) | 2-Nitroaniline | 13.363 | 65 | 203001 | 38.400 | ng | | 98 |
| 49) | Acenaphthylene | 14.004 | 152 | 1135762 | 38.009 | ng | | 100 |
| 50) | Dimethylphthalate | 13.751 | 163 | 895032 | 37.061 | ng | | 100 |
| 51) | 2,6-Dinitrotoluene | 13.869 | 165 | 197446 | 38.712 | ng | | 98 |
| 52) | Acenaphthene | 14.351 | 154 | 656098 | 38.193 | ng | | 100 |
| 53) | 3-Nitroaniline | 14.204 | 138 | 199441 | 38.296 | ng | | 99 |
| 54) | 2,4-Dinitrophenol | 14.434 | 184 | 101110 | 35.323 | ng | | 97 |
| 55) | Dibenzofuran | 14.692 | 168 | 1048113 | 38.252 | ng | | 99 |
| 56) | 4-Nitrophenol | 14.581 | 139 | 202652 | 46.802 | ng | | 97 |
| 57) | 2,4-Dinitrotoluene | 14.669 | 165 | 279529 | 38.874 | ng | | 99 |
| 58) | Fluorene | 15.351 | 166 | 857836 | 38.395 | ng | | 99 |
| 59) | 2,3,4,6-Tetrachlorophenol | 14.939 | 232 | 241572 | 39.256 | ng | | 97 |
| 60) | Diethylphthalate | 15.128 | 149 | 911477 | 37.342 | ng | | 99 |
| 61) | 4-Chlorophenyl-phenyle... | 15.345 | 204 | 430331 | 38.622 | ng | | 99 |
| 62) | 4-Nitroaniline | 15.392 | 138 | 189242 | 37.633 | ng | | 98 |
| 63) | Azobenzene | 15.645 | 77 | 752861 | 36.055 | ng | | 97 |
| 65) | 4,6-Dinitro-2-methylph... | 15.451 | 198 | 158899 | 39.652 | ng | | 97 |
| 66) | n-Nitrosodiphenylamine | 15.569 | 169 | 740115 | 38.839 | ng | | 98 |
| 67) | 4-Bromophenyl-phenylether | 16.257 | 248 | 295412 | 40.410 | ng | | 97 |
| 68) | Hexachlorobenzene | 16.381 | 284 | 370994 | 39.938 | ng | | 94 |
| 69) | Atrazine | 16.545 | 200 | 277598 | 39.750 | ng | | 99 |
| 70) | Pentachlorophenol | 16.745 | 266 | 204812 | 39.278 | ng | | 100 |
| 71) | Phenanthrene | 17.128 | 178 | 1321707 | 38.323 | ng | | 100 |
| 72) | Anthracene | 17.222 | 178 | 1355916 | 39.076 | ng | | 100 |
| 73) | Carbazole | 17.504 | 167 | 1198207 | 38.152 | ng | | 100 |
| 74) | Di-n-butylphthalate | 18.086 | 149 | 1566966 | 38.795 | ng | | 100 |
| 75) | Fluoranthene | 19.216 | 202 | 1531668 | 37.992 | ng | | 99 |
| 77) | Benzidine | 19.422 | 184 | 725976 | 39.203 | ng | | 99 |
| 78) | Pyrene | 19.592 | 202 | 1591992 | 39.077 | ng | | 100 |
| 80) | Butylbenzylphthalate | 20.539 | 149 | 716477 | 39.544 | ng | | 96 |
| 81) | Benzo(a)anthracene | 21.492 | 228 | 1645382 | 38.539 | ng | | 99 |
| 82) | 3,3'-Dichlorobenzidine | 21.421 | 252 | 646986 | 40.800 | ng | | 100 |
| 83) | Chrysene | 21.569 | 228 | 1543547 | 38.139 | ng | | 100 |
| 84) | Bis(2-ethylhexyl)phtha... | 21.433 | 149 | 1039093 | 39.018 | ng | | 99 |
| 85) | Di-n-octyl phthalate | 22.680 | 149 | 1753560 | 40.266 | ng | | 99 |
| 87) | Indeno(1,2,3-cd)pyrene | 28.515 | 276 | 2249969 | 38.903 | ng | # | 87 |
| 88) | Benzo(b)fluoranthene | 23.757 | 252 | 1745599 | 38.496 | ng | | 99 |
| 89) | Benzo(k)fluoranthene | 23.833 | 252 | 1794614 | 38.409 | ng | | 99 |
| 90) | Benzo(a)pyrene | 24.651 | 252 | 1693647 | 38.890 | ng | | 99 |
| 91) | Dibenzo(a,h)anthracene | 28.598 | 278 | 1829060 | 38.874 | ng | | 99 |
| 92) | Benzo(g,h,i)perylene | 29.674 | 276 | 1788388 | 38.222 | ng | | 98 |

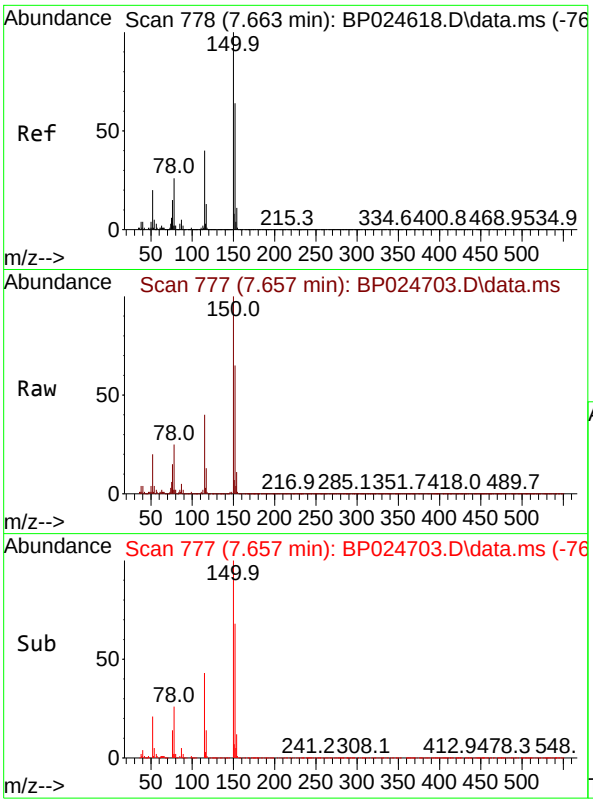
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024703.D
Acq On : 20 May 2025 11:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Quant Time: May 20 12:59:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



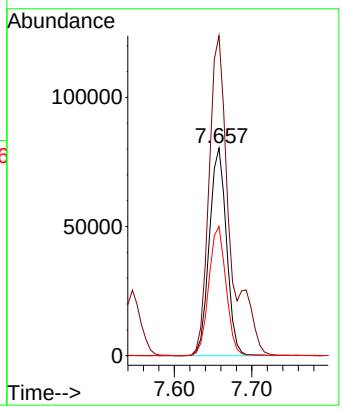


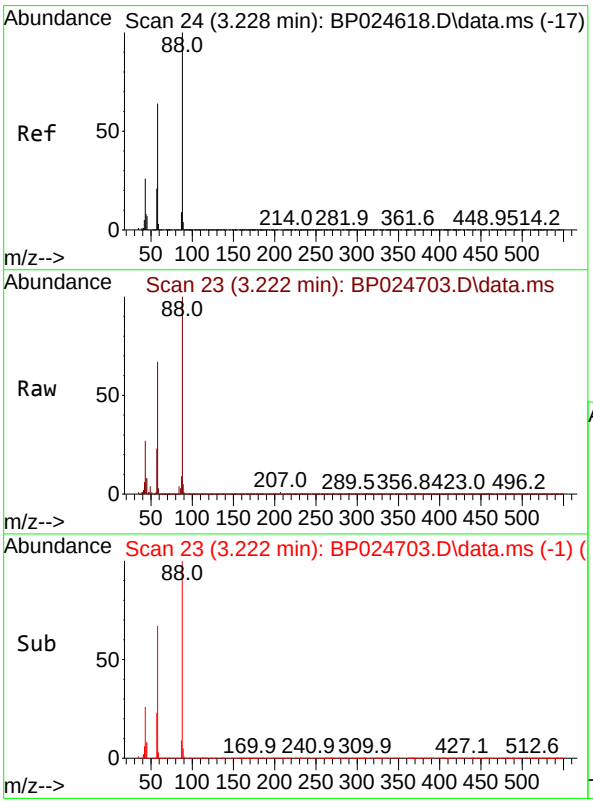

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 123667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.0 | 125.9 | 188.9 |
| 115 | 62.3 | 50.1 | 75.1 |

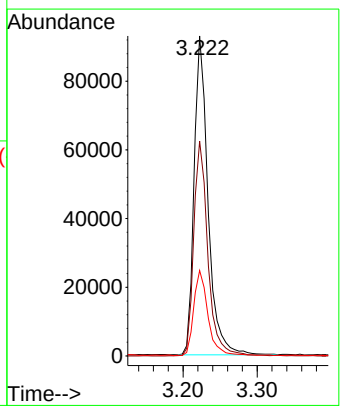


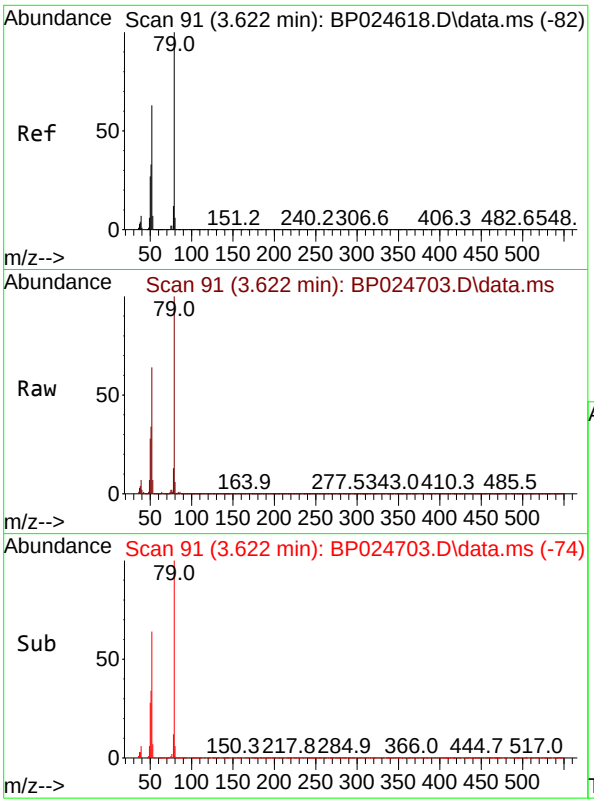




#2
1,4-Dioxane
Concen: 35.672 ng
RT: 3.222 min Scan# 23
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion: 88 Resp: 121113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 68.3 | 54.0 | 81.0 |
| 43 | 27.3 | 21.4 | 32.0 |



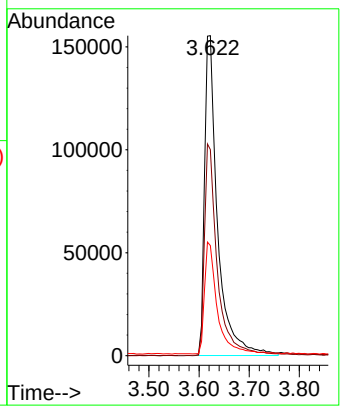


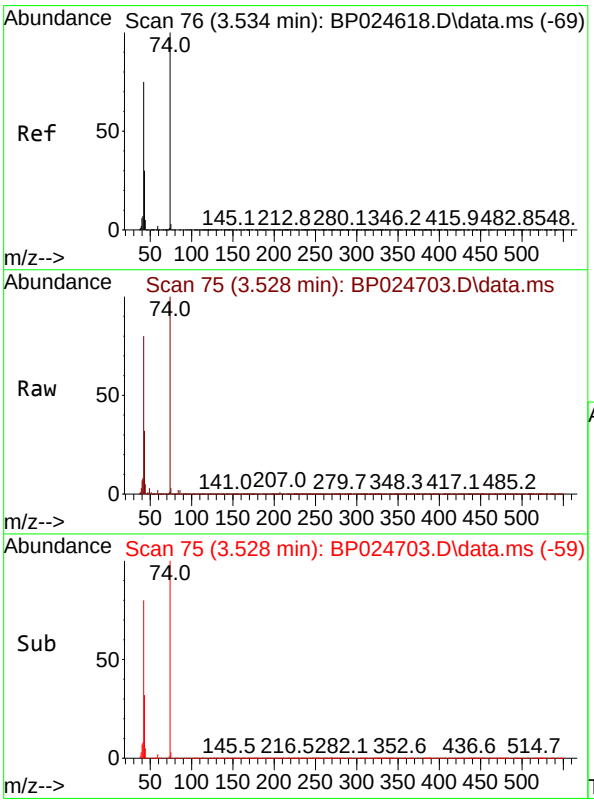

#3
Pyridine
Concen: 37.400 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 281565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 64.4 | 50.2 | 75.2 |
| 51 | 34.4 | 26.8 | 40.2 |

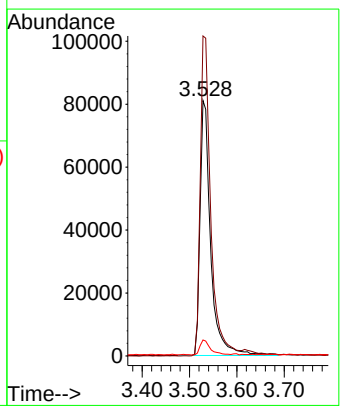


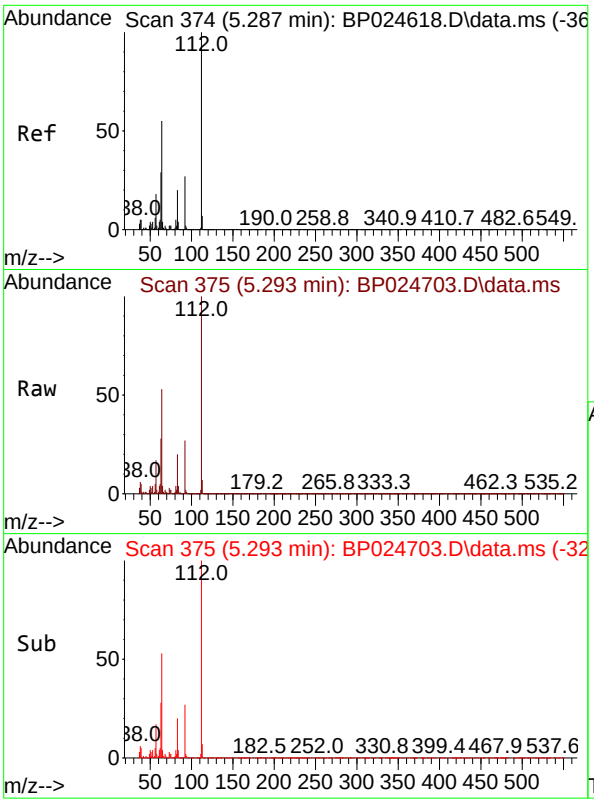




#4
n-Nitrosodimethylamine
Concen: 37.995 ng
RT: 3.528 min Scan# 75
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion: 42 Resp: 126280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 125.3 | 106.2 | 159.2 |
| 44 | 6.3 | 5.4 | 8.2 |



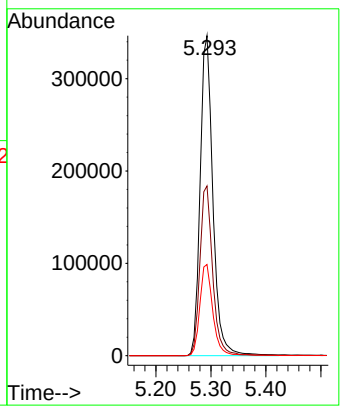


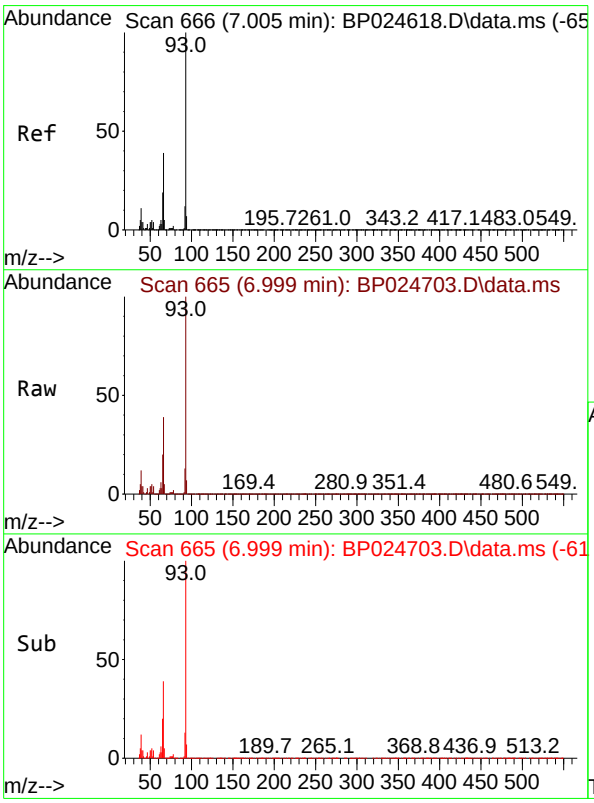

#5
2-Fluorophenol
Concen: 77.239 ng
RT: 5.293 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:112 Resp: 558471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.1 | 44.1 | 66.1 |
| 63 | 28.5 | 23.5 | 35.3 |

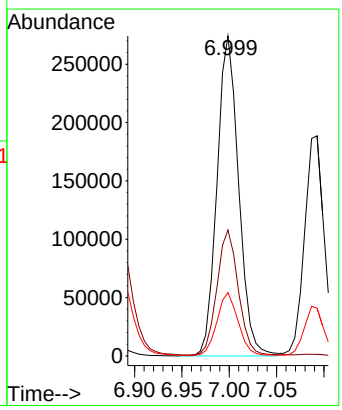


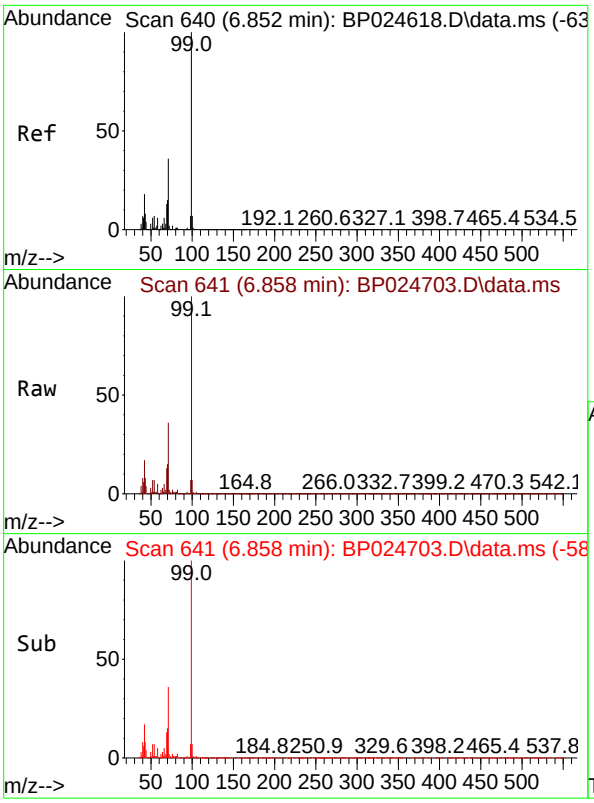




#6
Aniline
Concen: 36.614 ng
RT: 6.999 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion: 93 Resp: 436222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.3 | 31.0 | 46.6 |
| 65 | 19.8 | 15.5 | 23.3 |



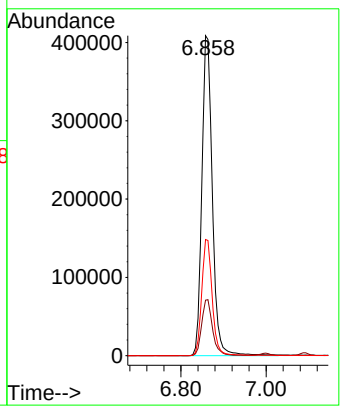


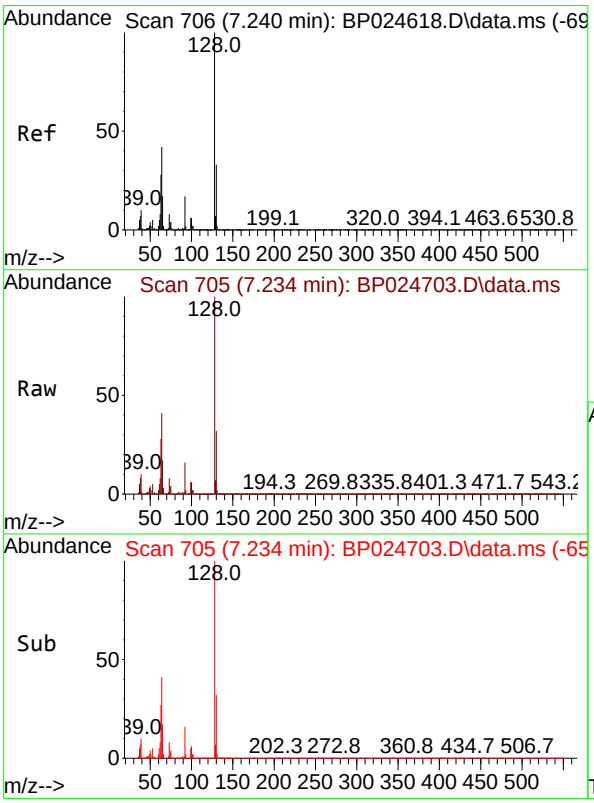

#7
Phenol-d6
Concen: 75.586 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 99 Resp: 697511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.4 | 14.4 | 21.6 |
| 71 | 36.3 | 29.2 | 43.8 |

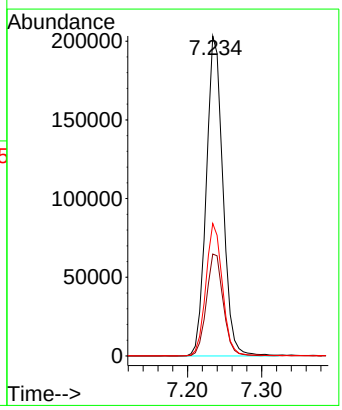


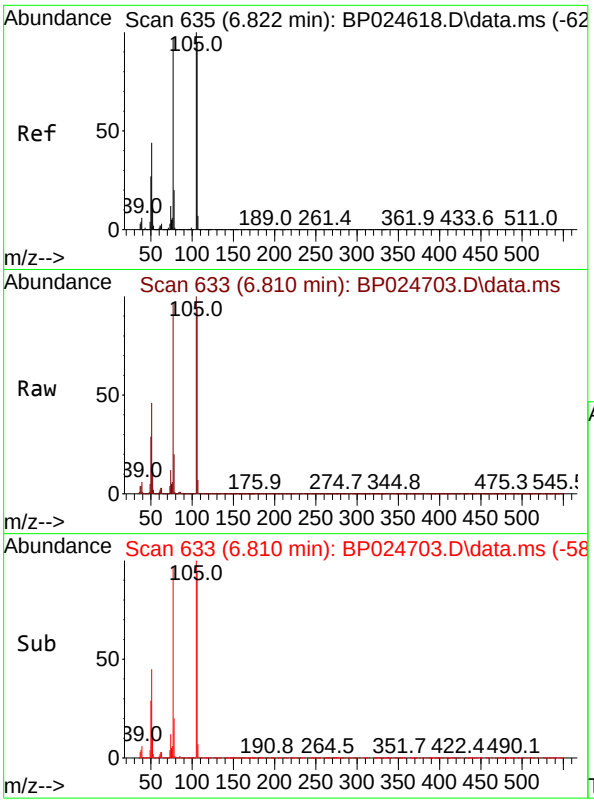




#8
2-Chlorophenol
Concen: 38.571 ng
RT: 7.234 min Scan# 705
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:128 Resp: 316592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 31.8 | 13.0 | 53.0 |
| 64 | 41.4 | 22.3 | 62.3 |



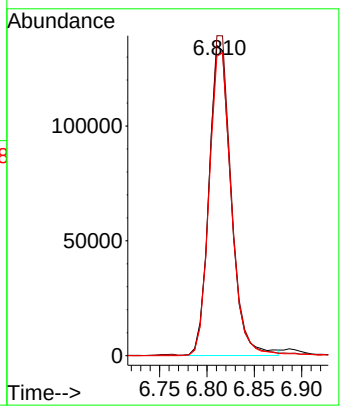


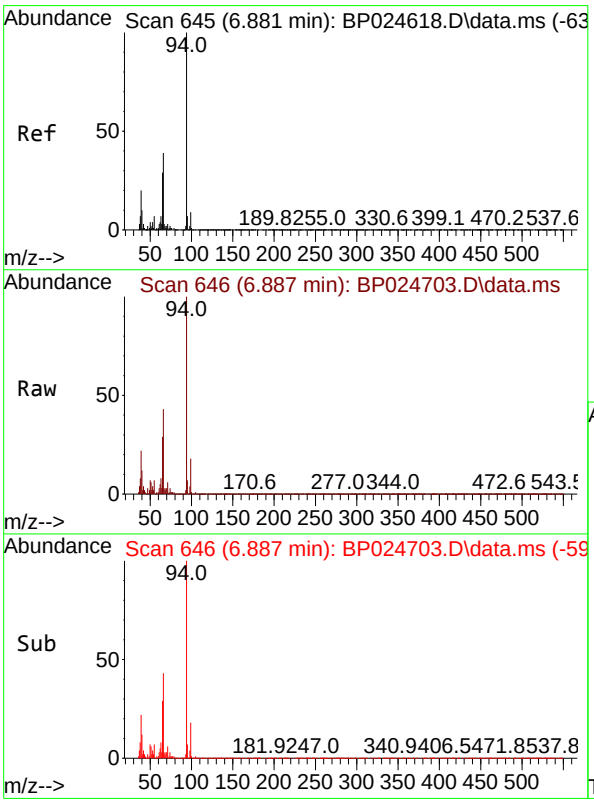

#9
Benzaldehyde
Concen: 36.642 ng
RT: 6.810 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 218883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 103.2 | 83.3 | 123.3 |
| 106 | 96.5 | 78.0 | 118.0 |

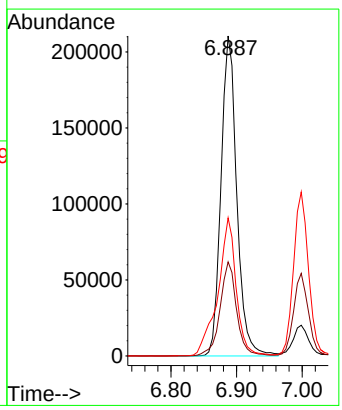


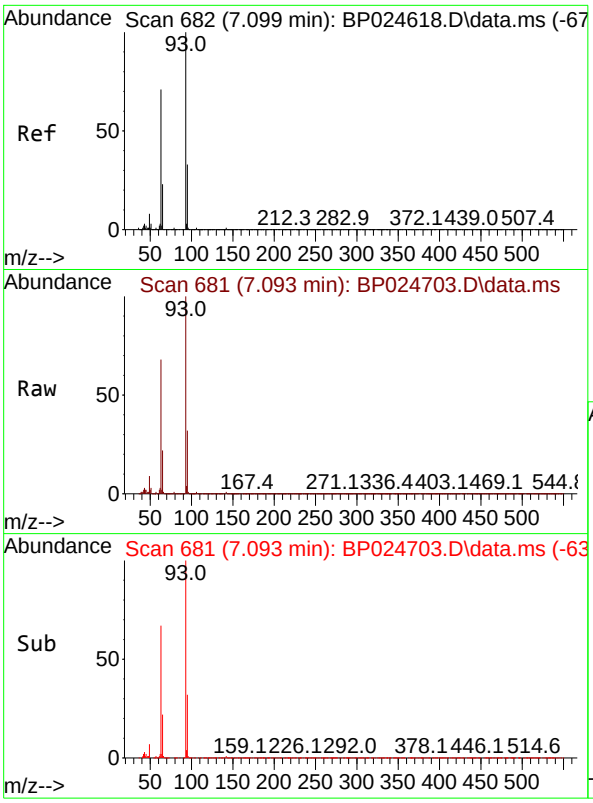




#10
Phenol
Concen: 36.834 ng
RT: 6.887 min Scan# 646
Delta R.T. 0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion: 94 Resp: 350820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.4 | 8.7 | 48.7 |
| 66 | 43.1 | 19.4 | 59.4 |



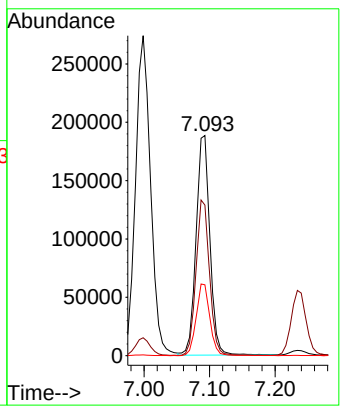


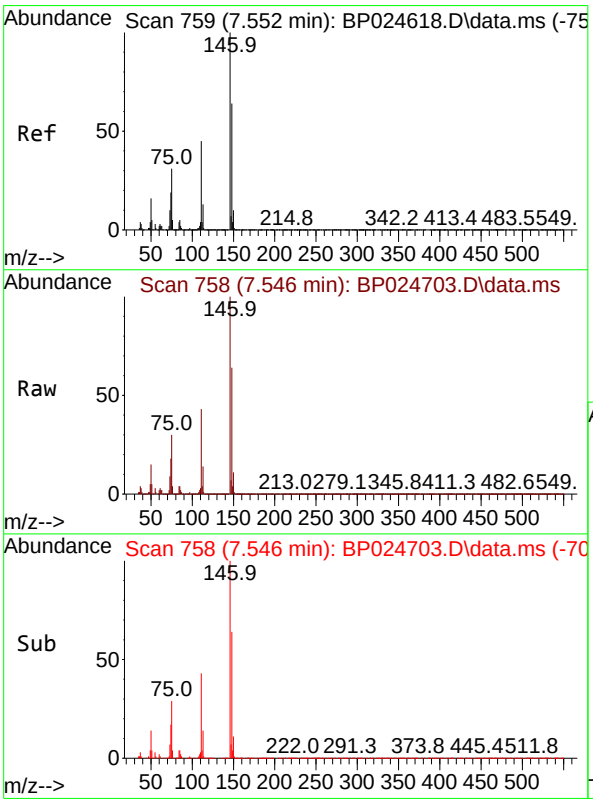

#11
bis(2-Chloroethyl)ether
Concen: 35.195 ng
RT: 7.093 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 93 Resp: 275441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 68.4 | 50.6 | 90.6 |
| 95 | 32.2 | 12.9 | 52.9 |

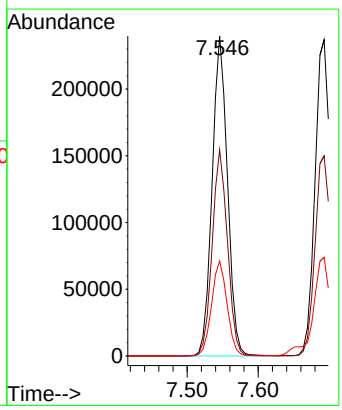


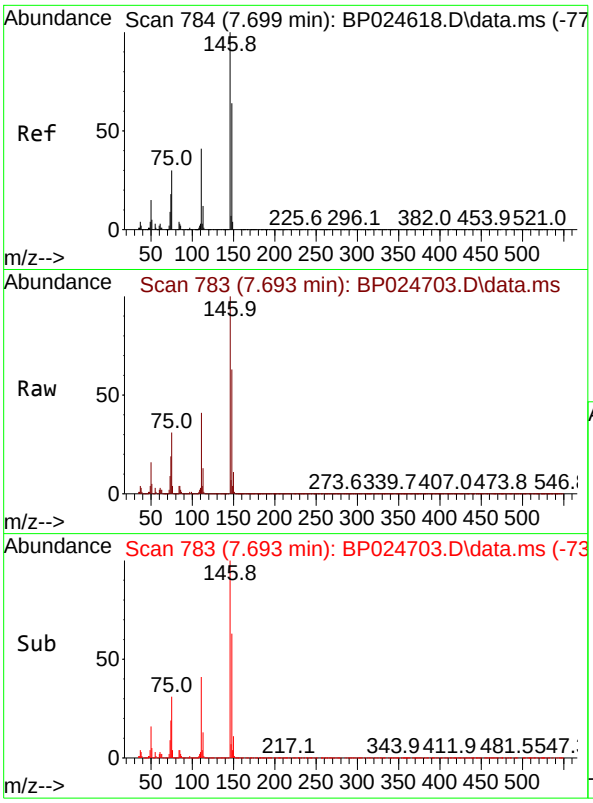




#12
1,3-Dichlorobenzene
Concen: 37.969 ng
RT: 7.546 min Scan# 758
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:146 Resp: 358557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 51.4 | 77.2 |
| 75 | 29.7 | 25.2 | 37.8 |



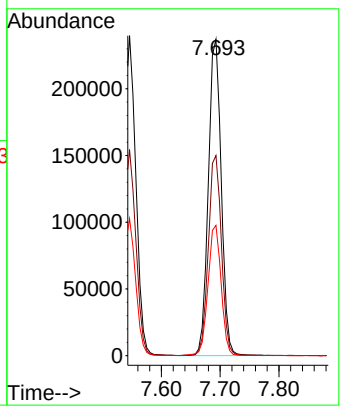


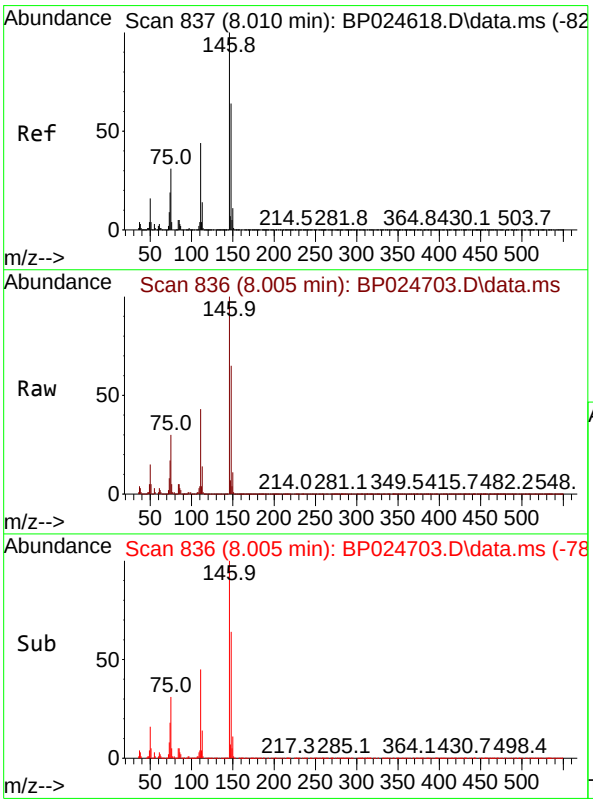

#13
1,4-Dichlorobenzene
Concen: 38.098 ng
RT: 7.693 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:146 Resp: 361848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 51.0 | 76.6 |
| 111 | 41.2 | 33.0 | 49.6 |

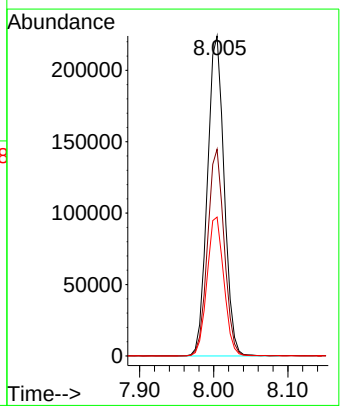


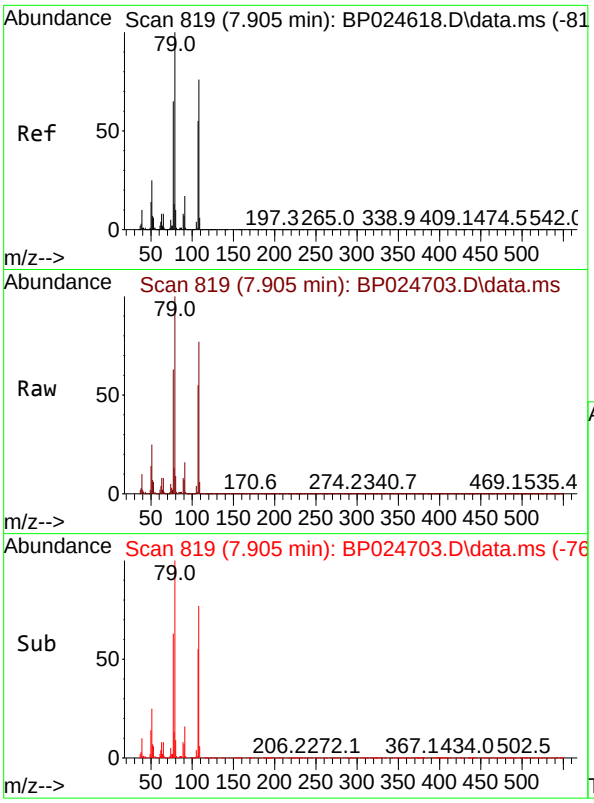




#14
1,2-Dichlorobenzene
Concen: 37.873 ng
RT: 8.005 min Scan# 836
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:146 Resp: 350515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.6 | 51.0 | 76.4 |
| 111 | 43.4 | 35.2 | 52.8 |



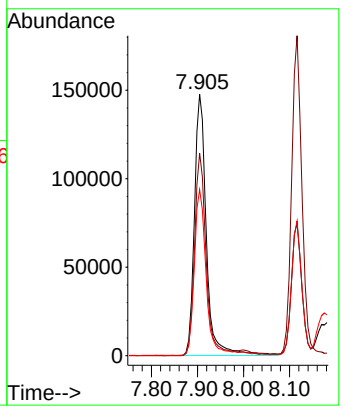


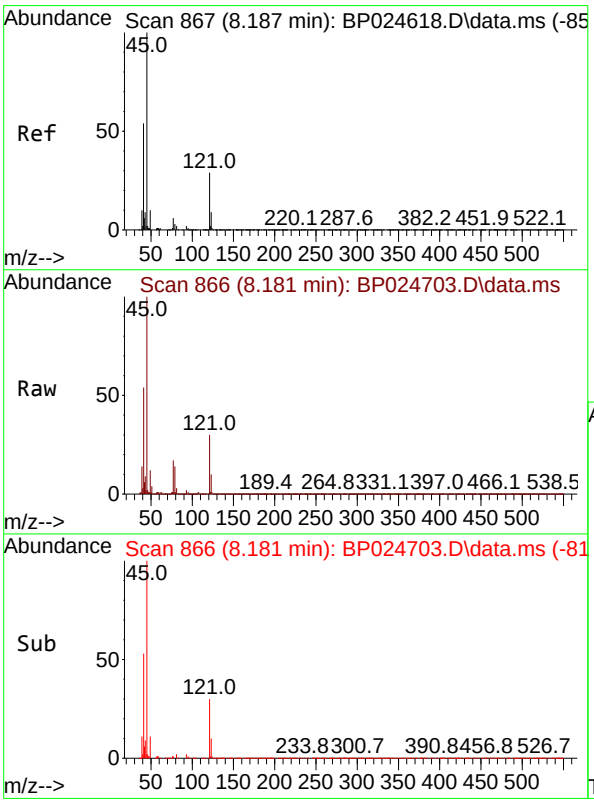

#15
Benzyl Alcohol
Concen: 38.049 ng
RT: 7.905 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 266818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 77.4 | 60.8 | 91.2 |
| 77 | 63.4 | 51.9 | 77.9 |

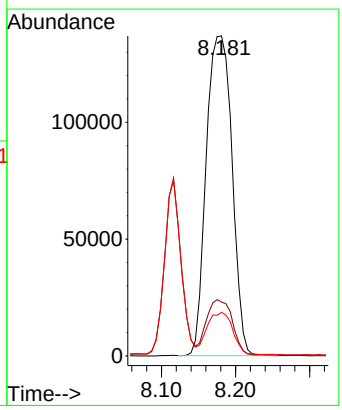


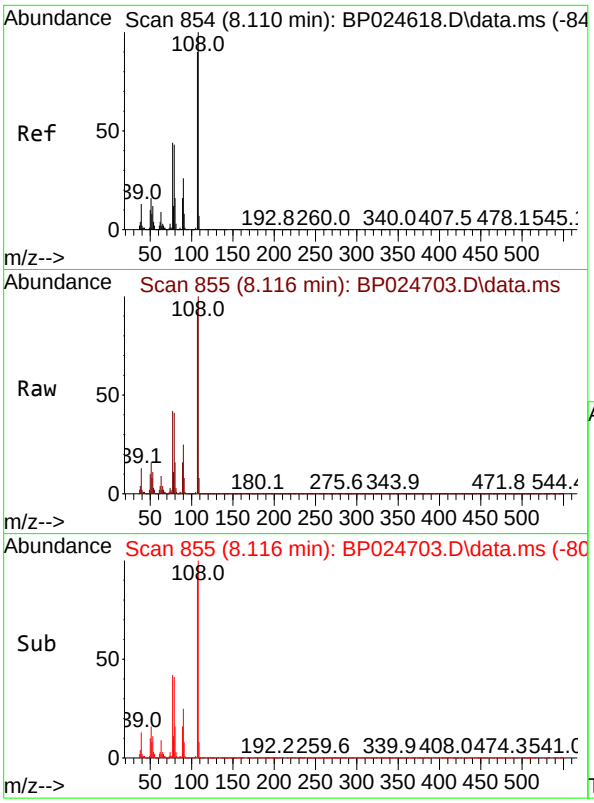




#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.362 ng
RT: 8.181 min Scan# 866
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion: 45 Resp: 331428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 16.9 | 0.0 | 37.7 |
| 79 | 13.6 | 0.0 | 34.0 |



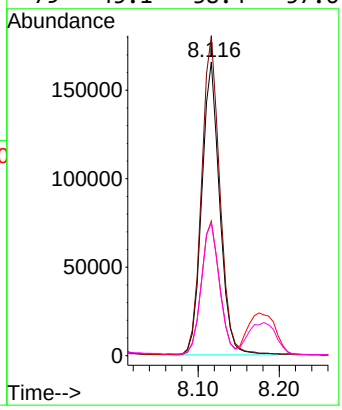


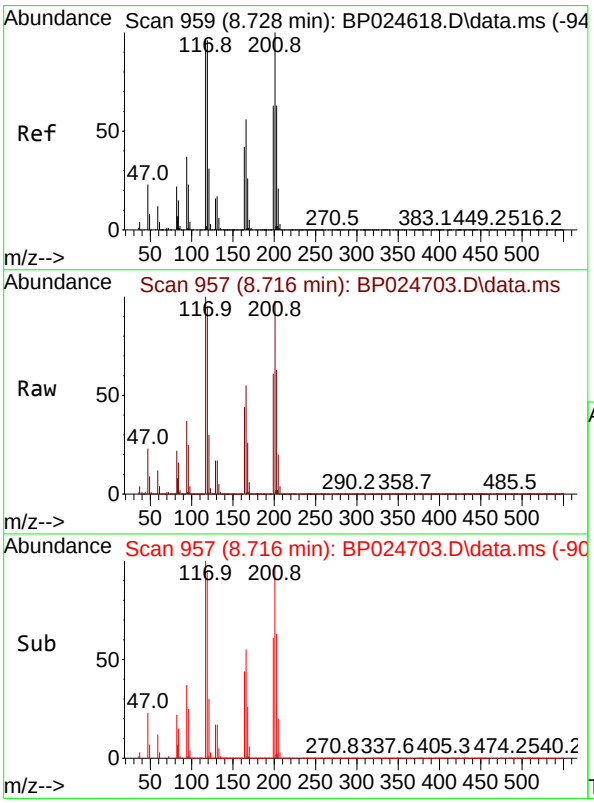

#17
2-Methylphenol
Concen: 37.017 ng
RT: 8.116 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:107 Resp: 252873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 108.9 | 88.9 | 133.3 |
| 77 | 45.8 | 39.0 | 58.6 |
| 79 | 45.1 | 38.4 | 57.6 |

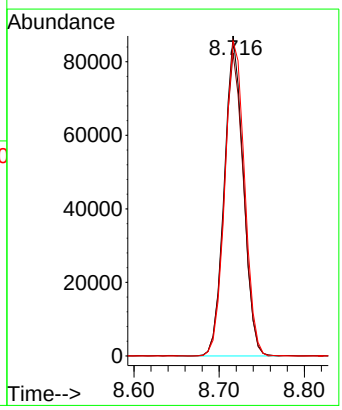


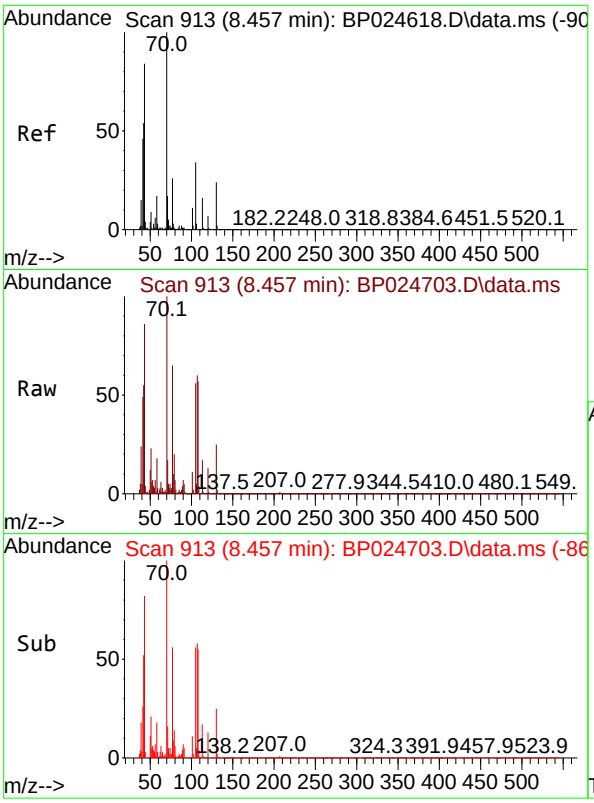




#18
Hexachloroethane
Concen: 37.007 ng
RT: 8.716 min Scan# 957
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:117 Resp: 134692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.6 | 79.4 | 119.0 |
| 201 | 98.4 | 82.7 | 124.1 |



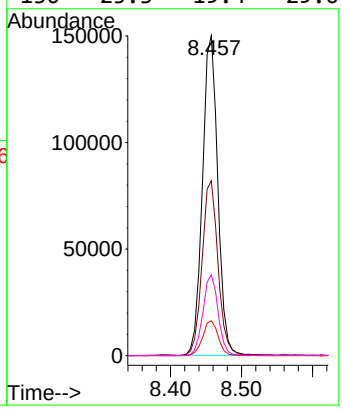


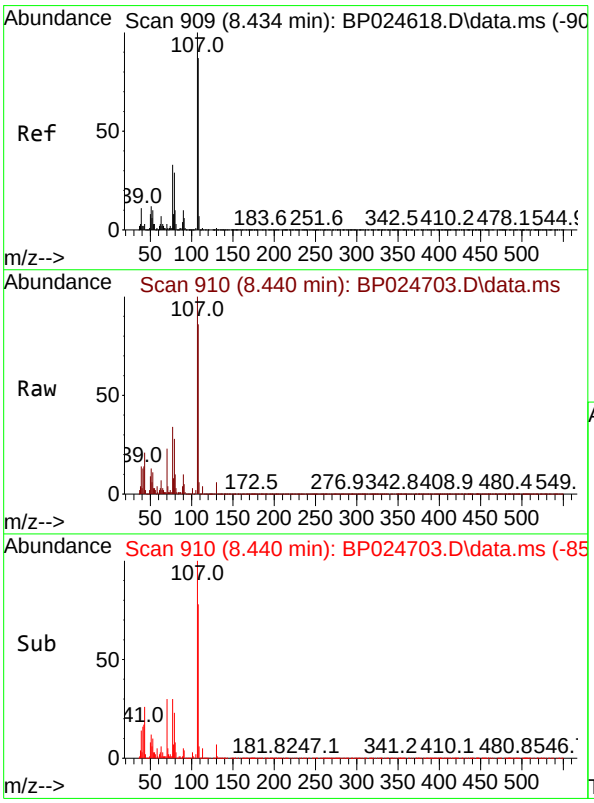

#19
n-Nitroso-di-n-propylamine
Concen: 35.440 ng
RT: 8.457 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 70 Resp: 226226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 54.7 | 43.0 | 64.6 |
| 101 | 10.9 | 8.7 | 13.1 |
| 130 | 25.3 | 19.4 | 29.0 |

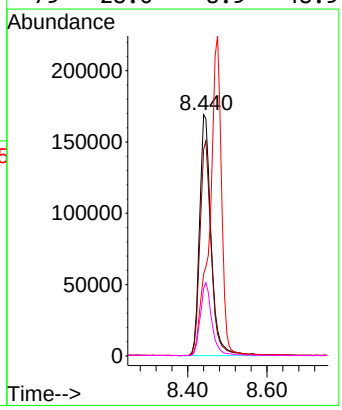


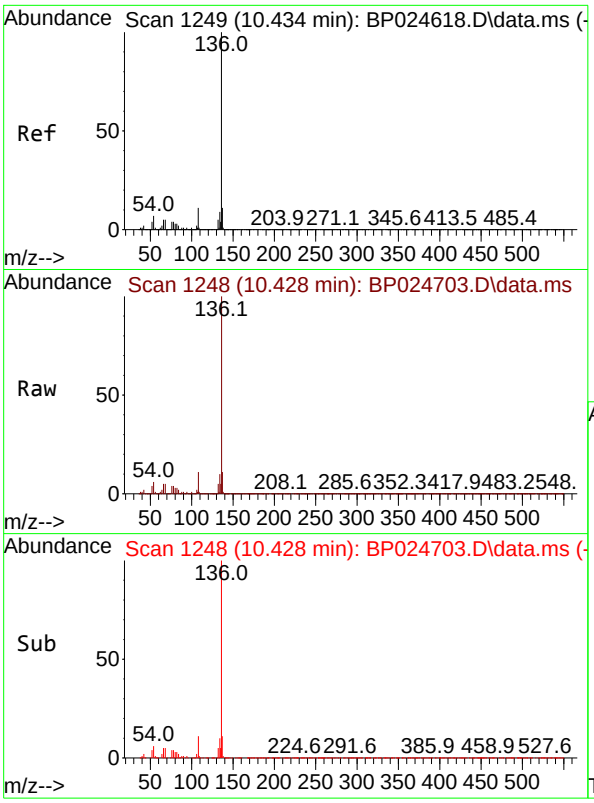




#20
3+4-Methylphenols
Concen: 36.755 ng
RT: 8.440 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:107 Resp: 341536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 85.6 | 66.7 | 106.7 |
| 77 | 34.0 | 13.1 | 53.1 |
| 79 | 28.0 | 8.9 | 48.9 |



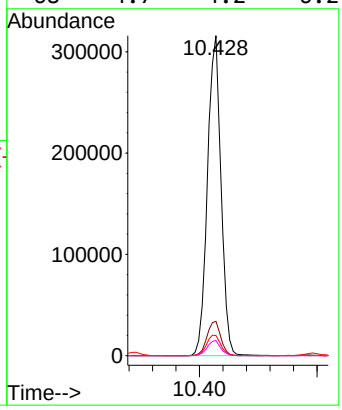


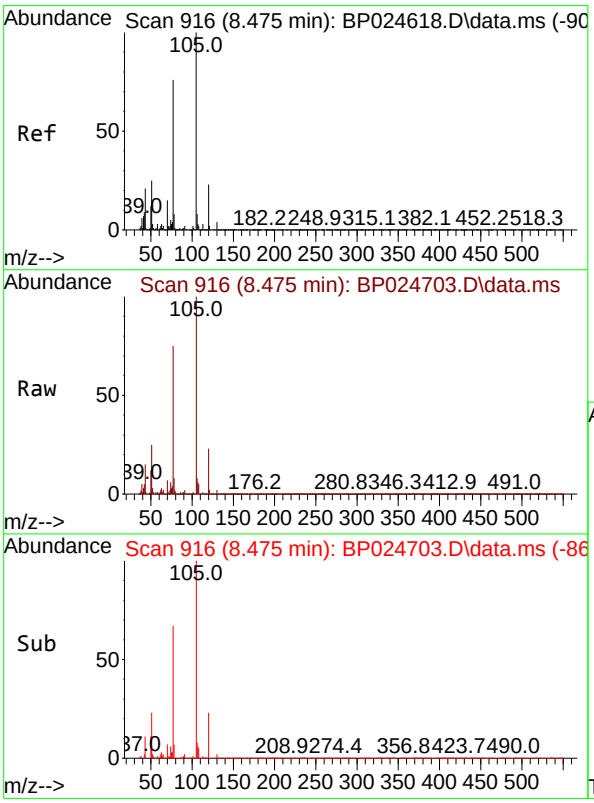

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:136 Resp: 504753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.8 | 13.2 |
| 54 | 6.3 | 5.5 | 8.3 |
| 68 | 4.7 | 4.2 | 6.2 |

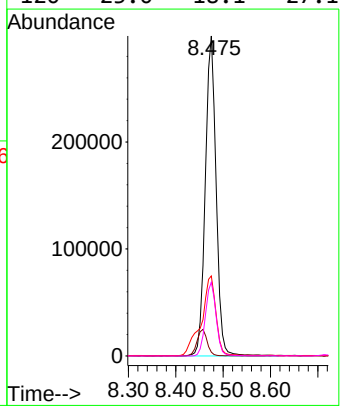


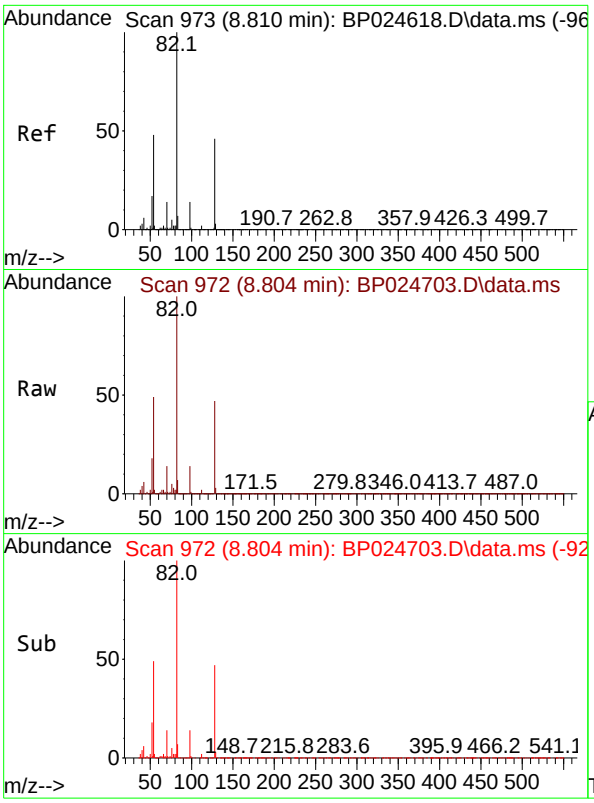




#22
Acetophenone
Concen: 37.752 ng
RT: 8.475 min Scan# 916
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:105 Resp: 475992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 1.2 | 2.0 | 3.0# |
| 51 | 25.0 | 20.4 | 30.6 |
| 120 | 23.0 | 18.1 | 27.1 |



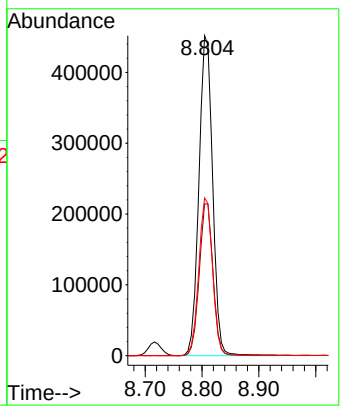


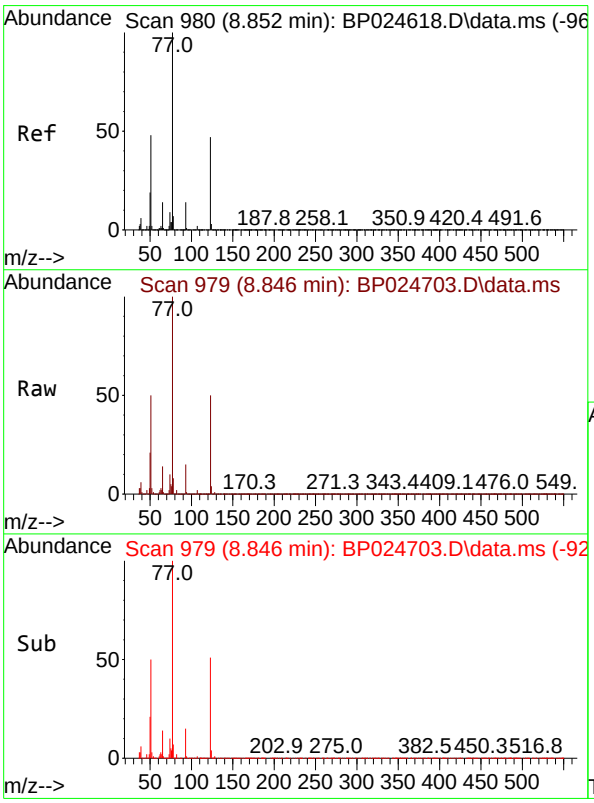

#23
Nitrobenzene-d5
Concen: 75.884 ng
RT: 8.804 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 758074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.4 | 37.0 | 55.4 |
| 54 | 49.3 | 38.7 | 58.1 |

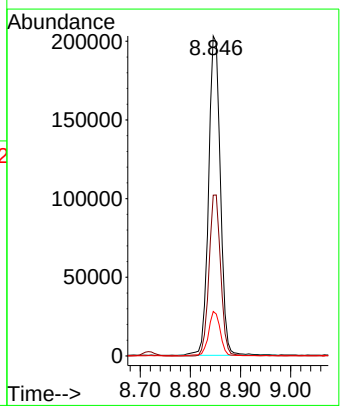


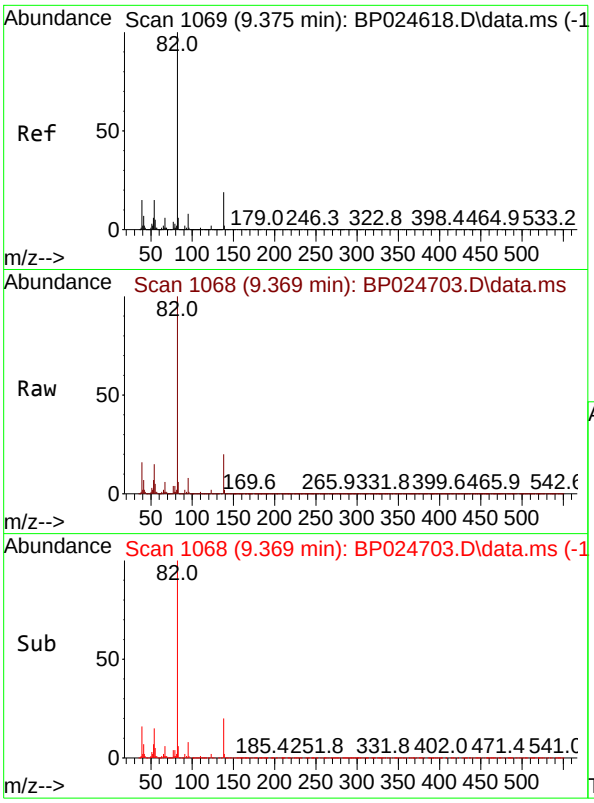




#24
Nitrobenzene
Concen: 37.838 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion: 77 Resp: 332647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 50.2 | 37.4 | 56.0 |
| 65 | 13.9 | 11.3 | 16.9 |



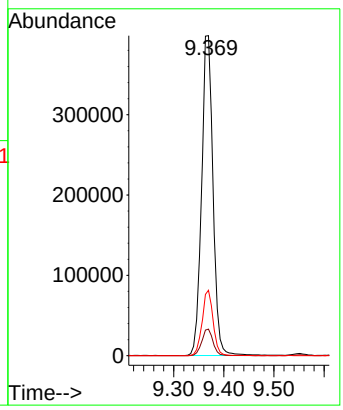


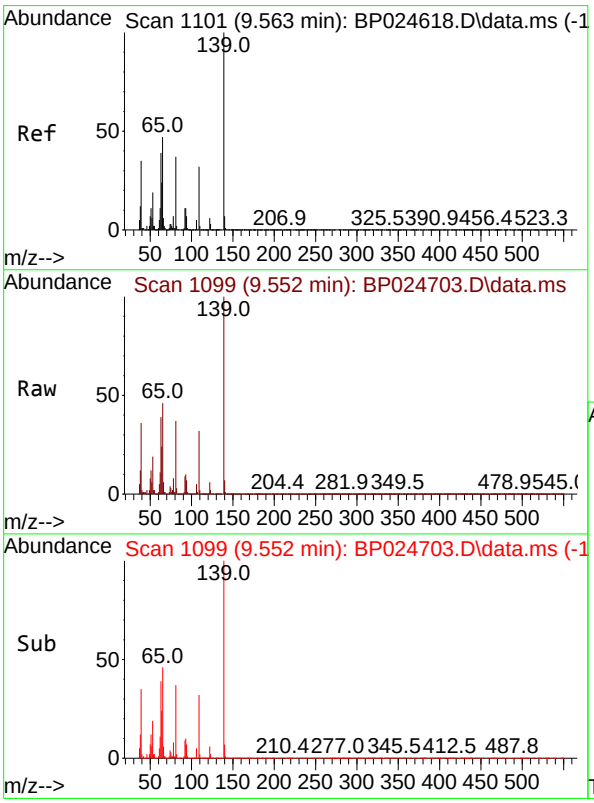

#25
Isophorone
Concen: 36.360 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 630069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.3 | 6.3 | 9.5 |
| 138 | 20.5 | 15.3 | 22.9 |

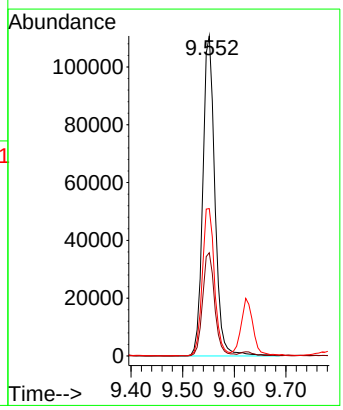


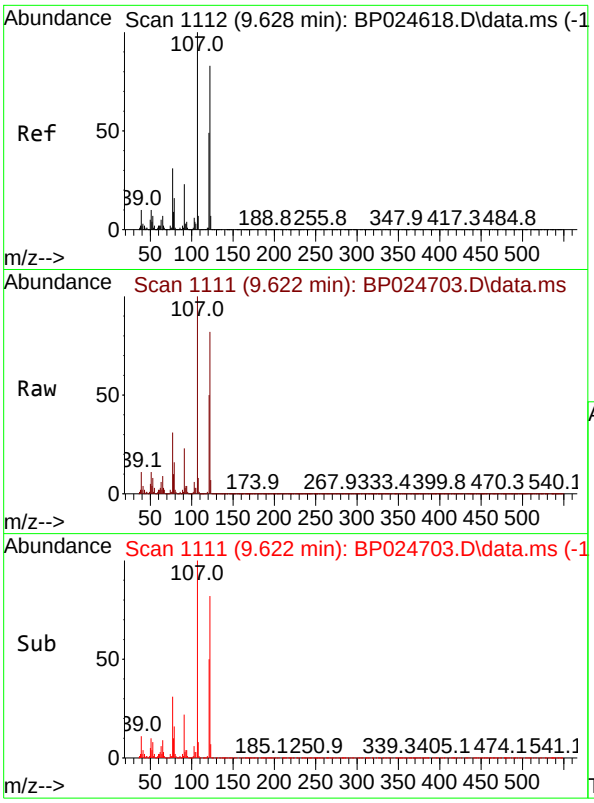




#26
2-Nitrophenol
Concen: 41.786 ng
RT: 9.552 min Scan# 1099
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:139 Resp: 180007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.2 | 25.9 | 38.9 |
| 65 | 46.0 | 37.9 | 56.9 |



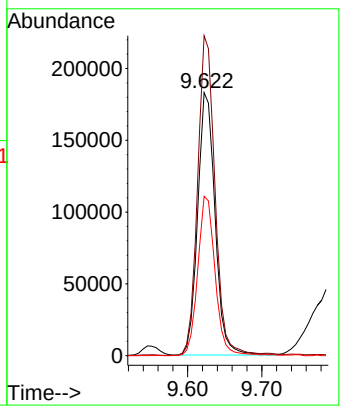


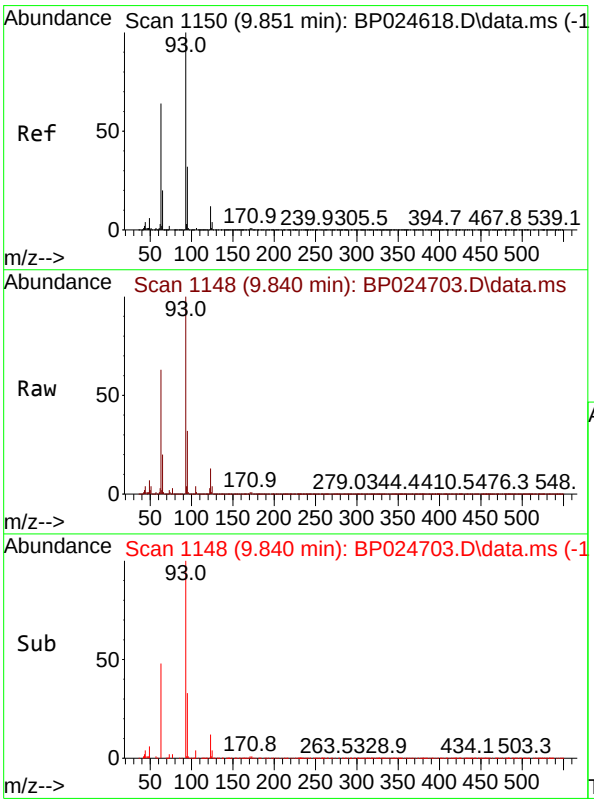

#27
2,4-Dimethylphenol
Concen: 39.314 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:122 Resp: 298599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 121.6 | 96.2 | 144.2 |
| 121 | 60.6 | 47.6 | 71.4 |

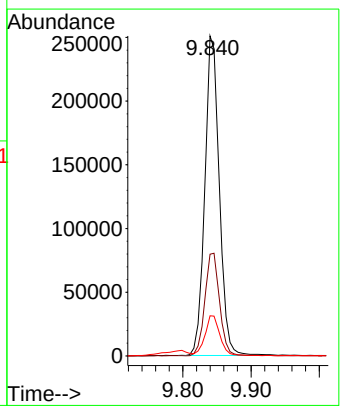


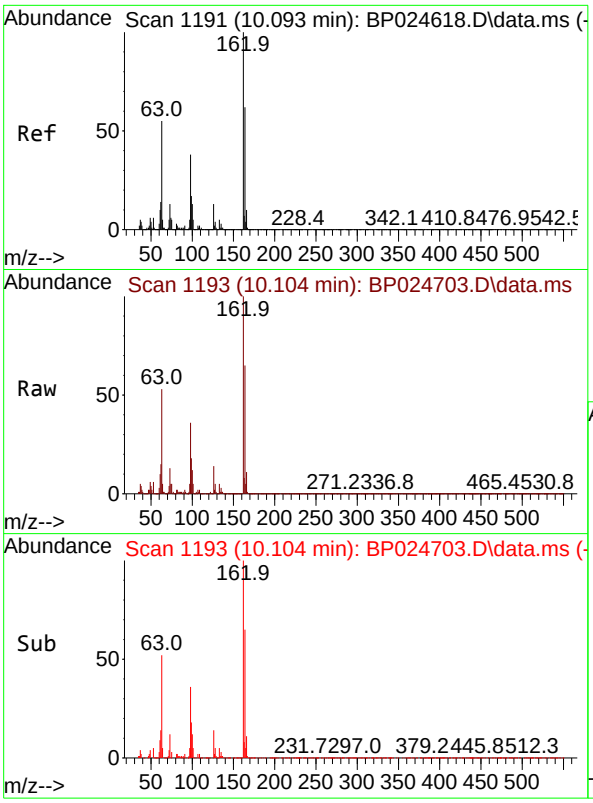




#28
bis(2-Chloroethoxy)methane
Concen: 35.782 ng
RT: 9.840 min Scan# 1148
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion: 93 Resp: 370445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 31.8 | 25.5 | 38.3 |
| 123 | 12.6 | 9.7 | 14.5 |



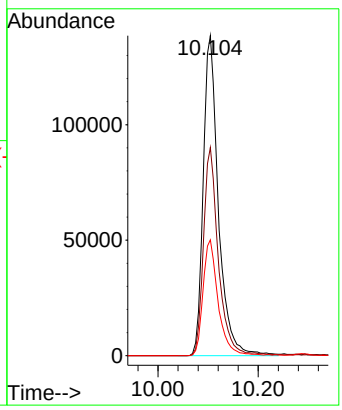


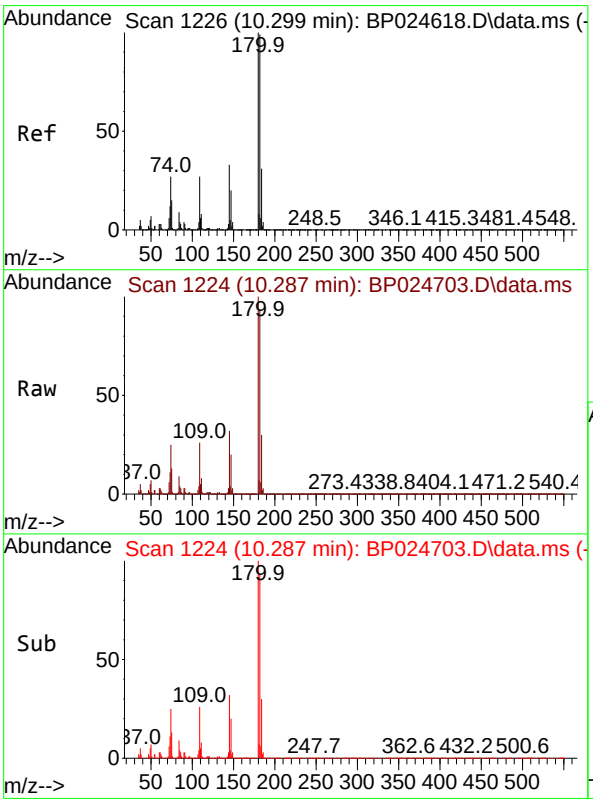

#29
2,4-Dichlorophenol
Concen: 39.583 ng
RT: 10.104 min Scan# 11
Delta R.T. 0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 291338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 65.1 | 42.3 | 82.3 |
| 98 | 36.2 | 18.4 | 58.4 |

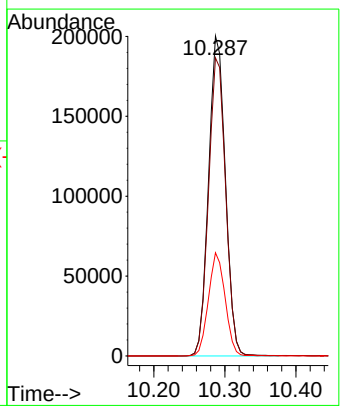


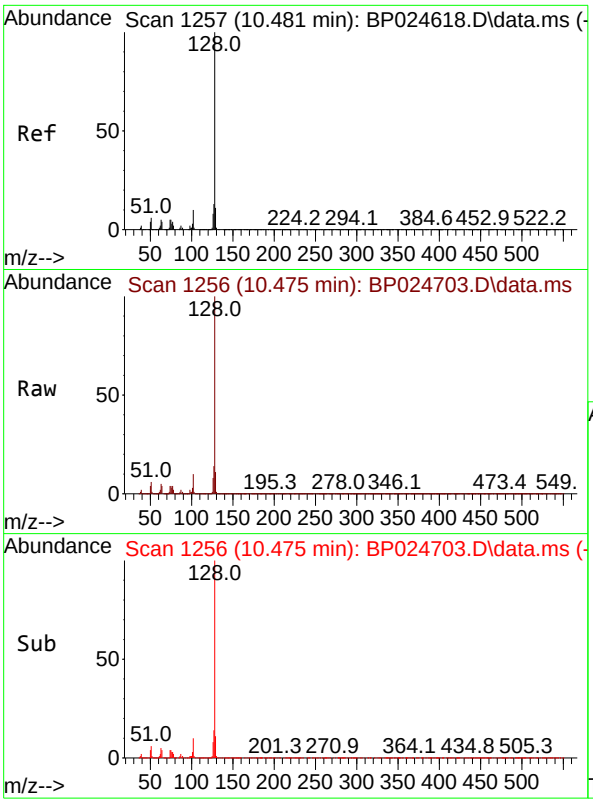




#30
1,2,4-Trichlorobenzene
Concen: 39.761 ng
RT: 10.287 min Scan# 1224
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:180 Resp: 329782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.1 | 79.0 | 118.4 |
| 145 | 32.3 | 26.6 | 39.8 |



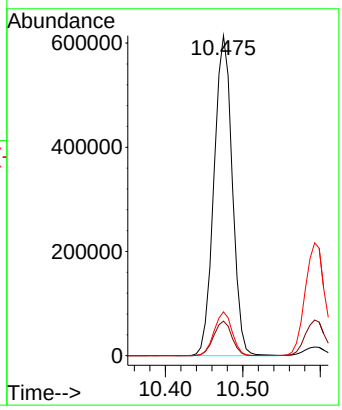


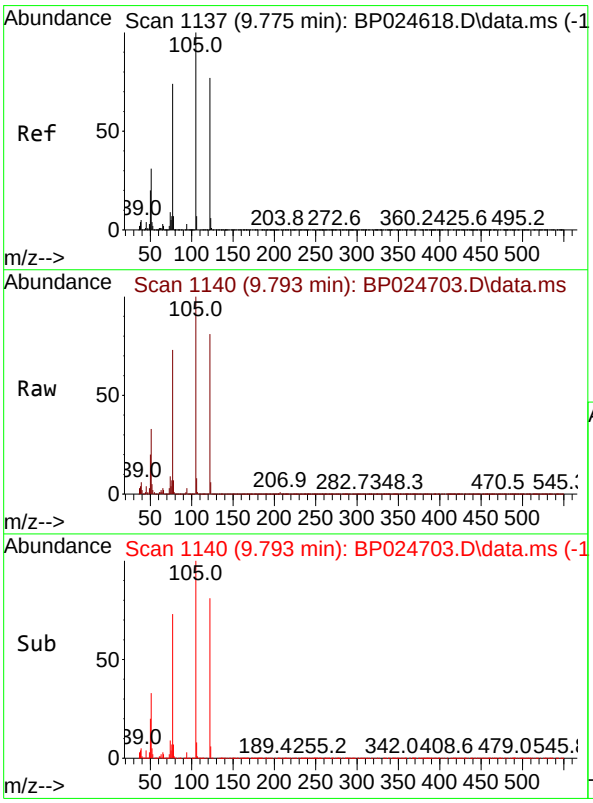

#31
Naphthalene
Concen: 38.402 ng
RT: 10.475 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:128 Resp: 1004479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.8 | 13.2 |
| 127 | 13.7 | 10.7 | 16.1 |

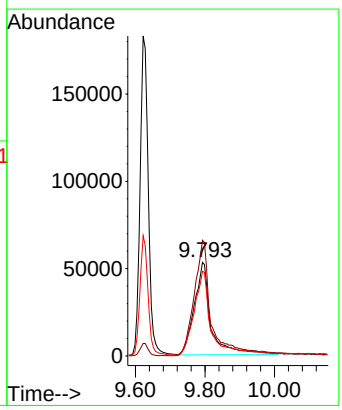


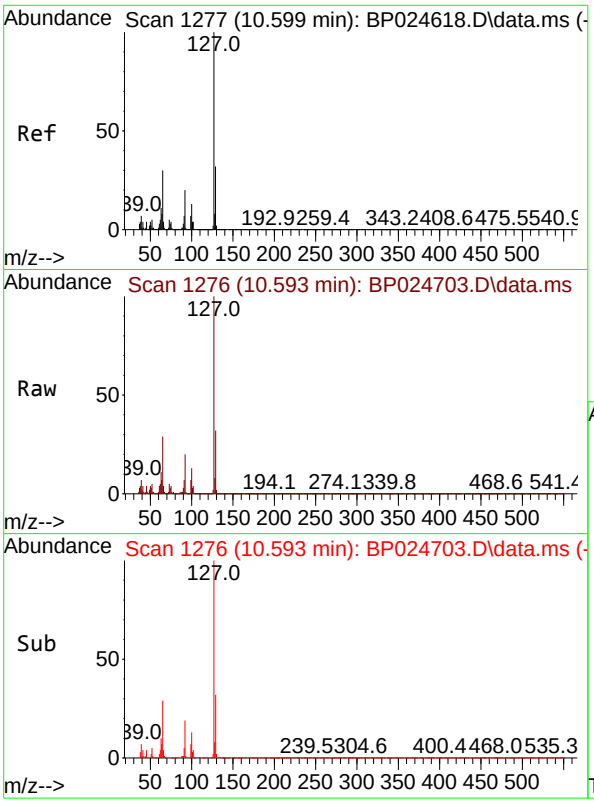




#32
Benzoic acid
Concen: 35.775 ng
RT: 9.793 min Scan# 1140
Delta R.T. 0.018 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:122 Resp: 177252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 123.6 | 106.9 | 146.9 |
| 77 | 90.4 | 75.1 | 115.1 |



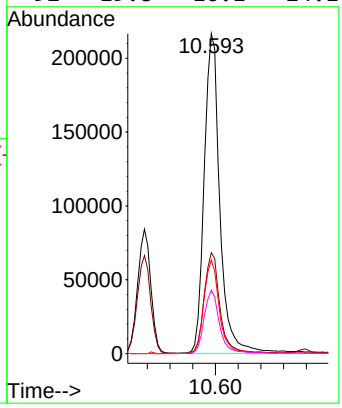


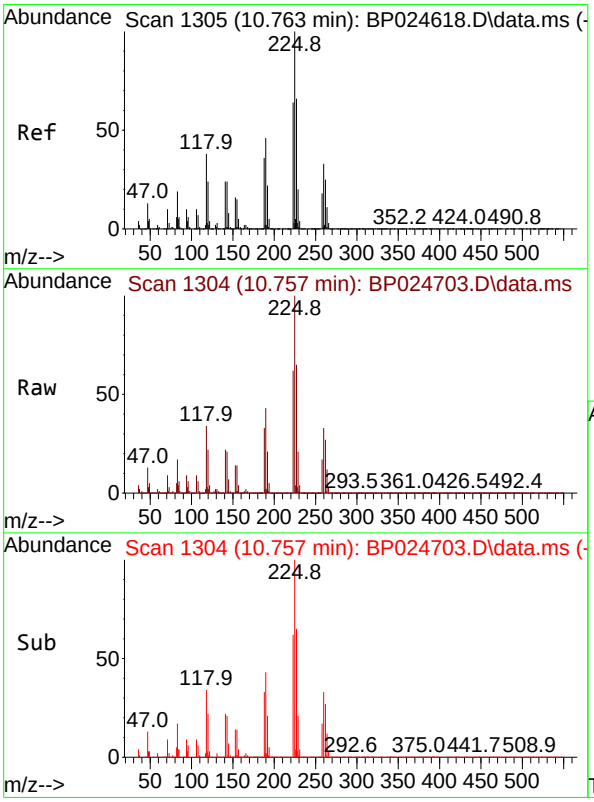

#33
4-Chloroaniline
Concen: 39.100 ng
RT: 10.593 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:127 Resp: 412703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.6 | 25.8 | 38.6 |
| 65 | 29.3 | 23.9 | 35.9 |
| 92 | 19.8 | 16.1 | 24.1 |

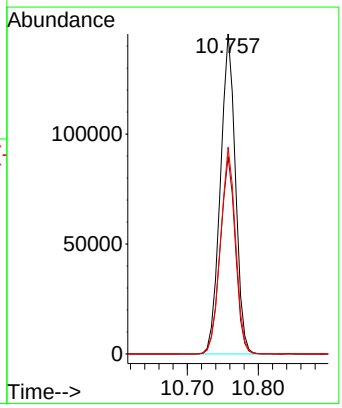


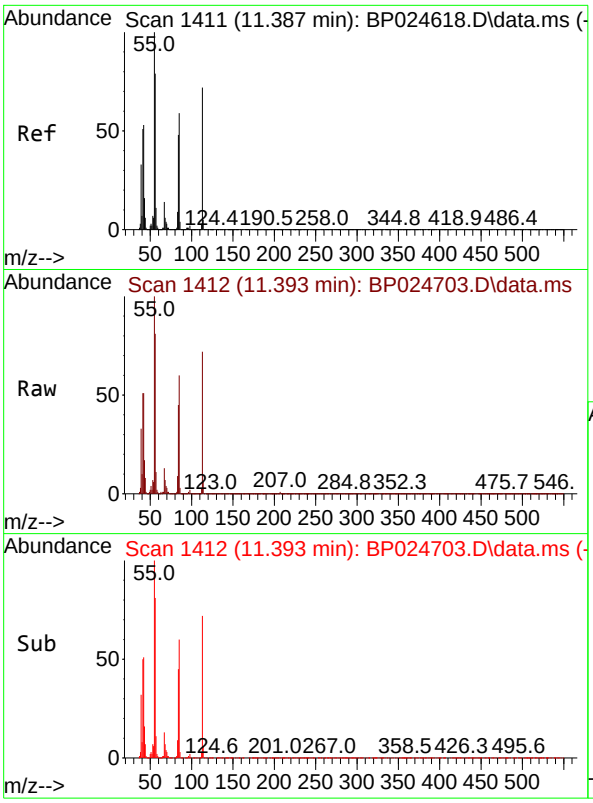




#34
Hexachlorobutadiene
Concen: 39.725 ng
RT: 10.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:225 Resp: 213441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.6 | 51.0 | 76.6 |
| 227 | 64.6 | 53.1 | 79.7 |



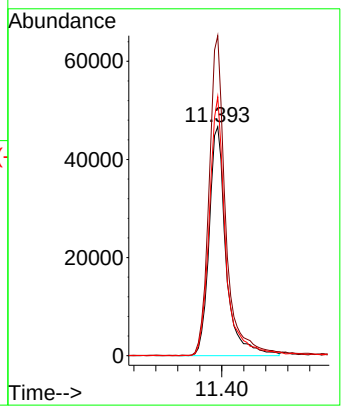


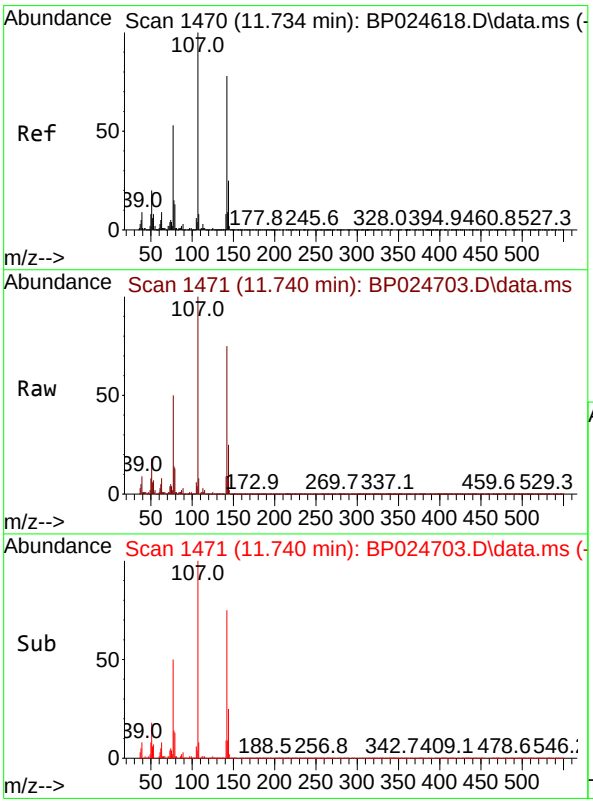

#35
Caprolactam
Concen: 37.303 ng
RT: 11.393 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:113 Resp: 99335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 139.7 | 119.0 | 159.0 |
| 56 | 113.1 | 90.3 | 130.3 |

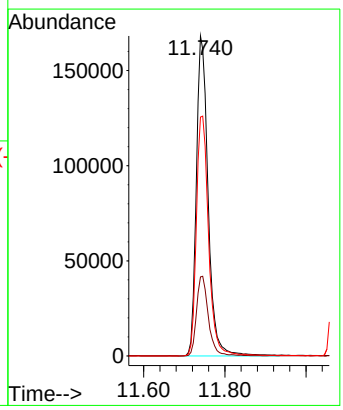


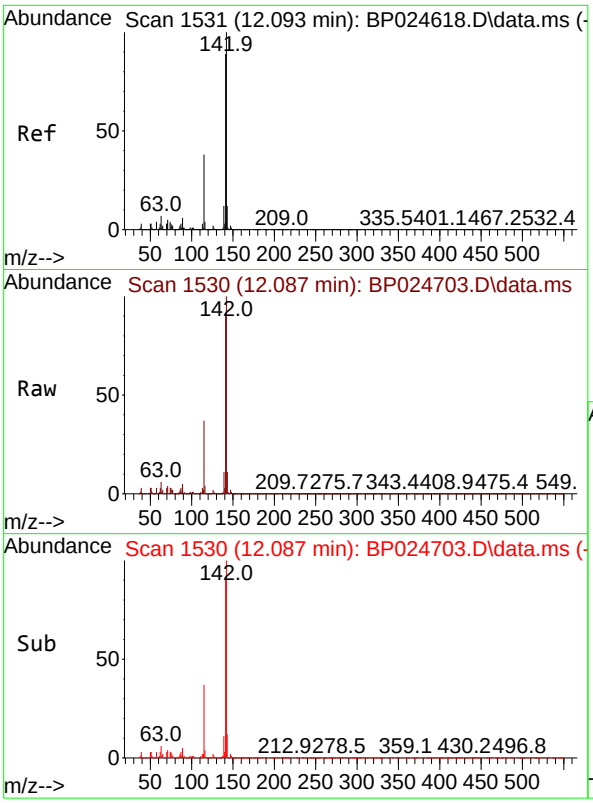




#36
4-Chloro-3-methylphenol
Concen: 37.939 ng
RT: 11.740 min Scan# 1471
Delta R.T. 0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:107 Resp: 340527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.7 | 20.1 | 30.1 |
| 142 | 74.7 | 62.1 | 93.1 |



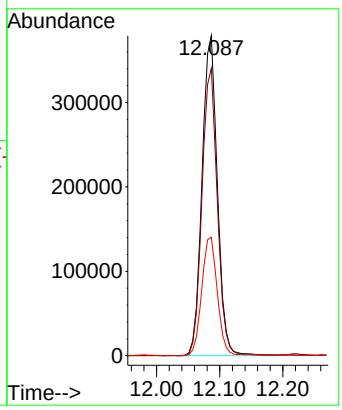


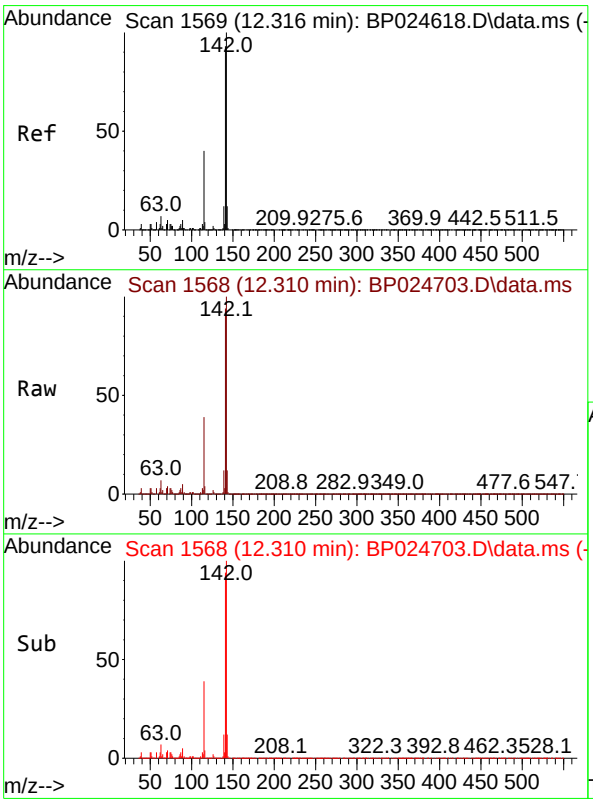

#37
2-Methylnaphthalene
Concen: 37.810 ng
RT: 12.087 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:142 Resp: 640384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.8 | 71.2 | 106.8 |
| 115 | 37.0 | 30.6 | 46.0 |

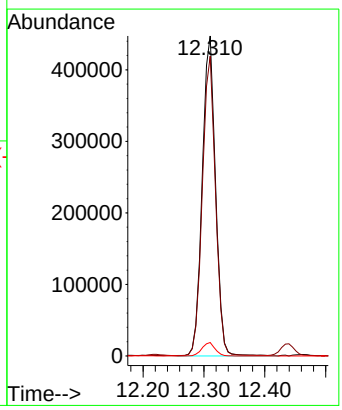


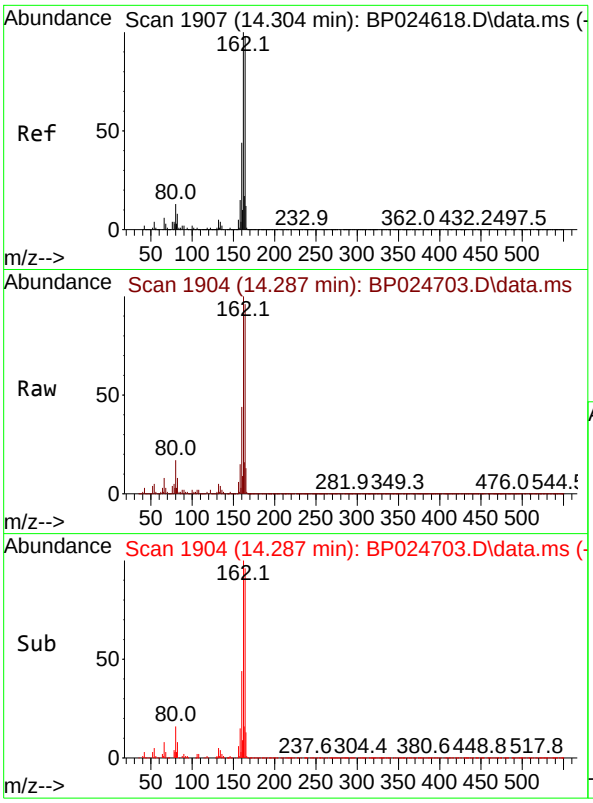




#38
1-Methylnaphthalene
Concen: 37.519 ng
RT: 12.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:142 Resp: 679915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.7 | 74.7 | 112.1 |
| 116 | 4.2 | 3.4 | 5.2 |



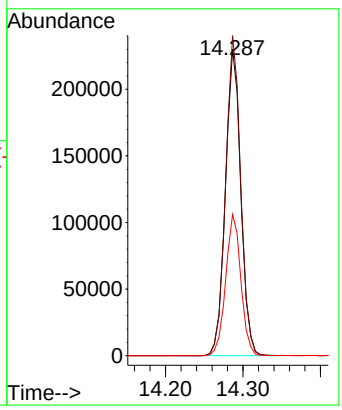


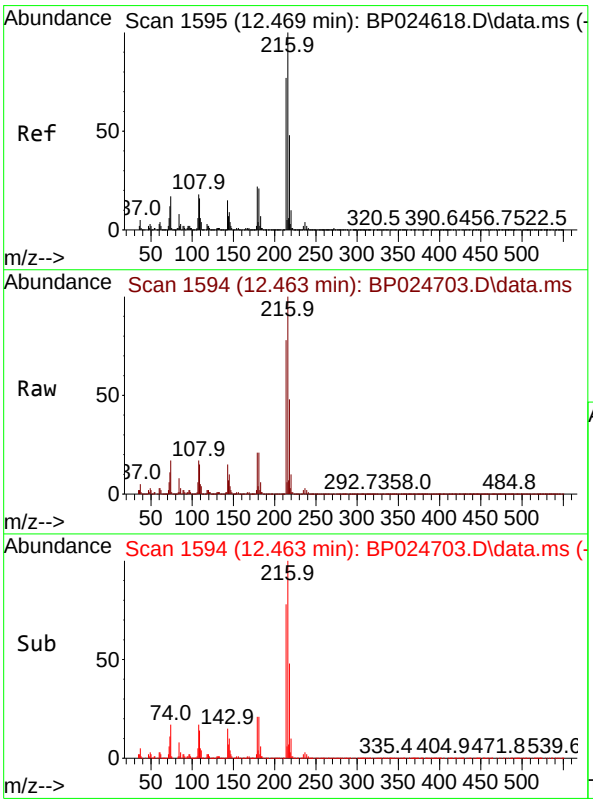

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:164 Resp: 316846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.4 | 81.8 | 122.6 |
| 160 | 46.1 | 36.3 | 54.5 |

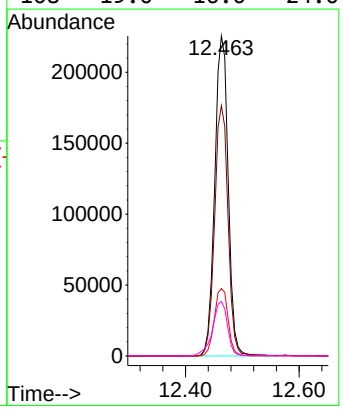


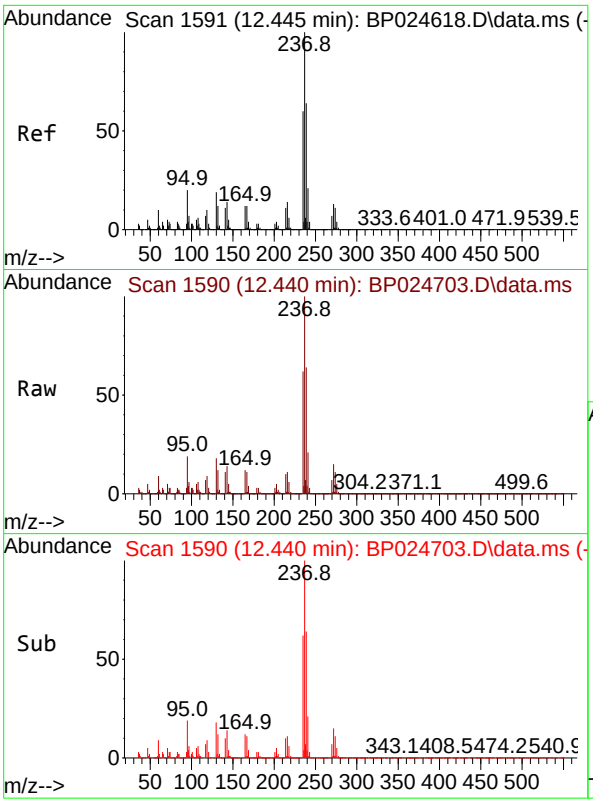




#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.169 ng
RT: 12.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:216 Resp: 369584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.4 | 62.3 | 93.5 |
| 179 | 21.7 | 17.7 | 26.5 |
| 108 | 19.0 | 16.0 | 24.0 |



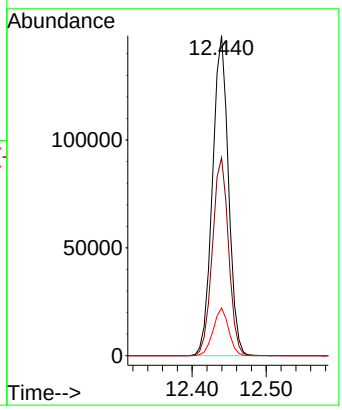


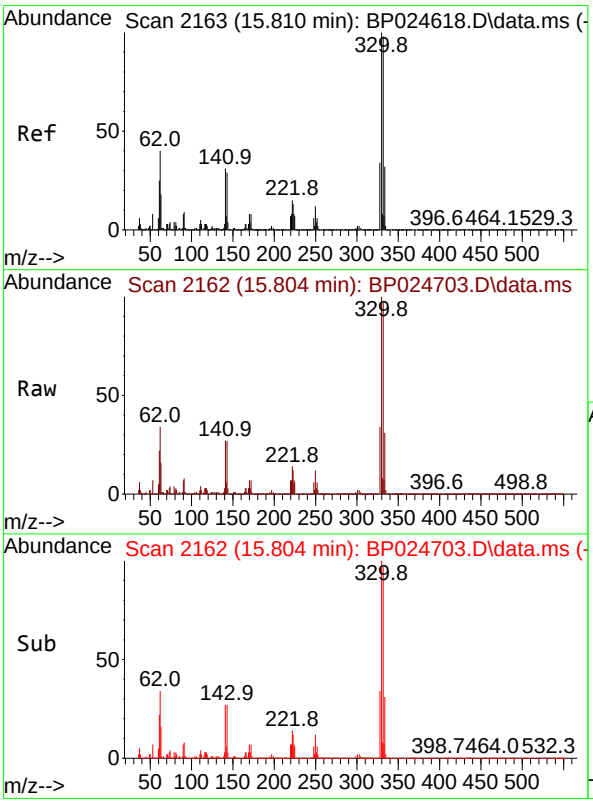

#41
Hexachlorocyclopentadiene
Concen: 39.860 ng
RT: 12.440 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:237 Resp: 222383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.8 | 39.9 | 79.9 |
| 272 | 14.9 | 0.0 | 33.2 |

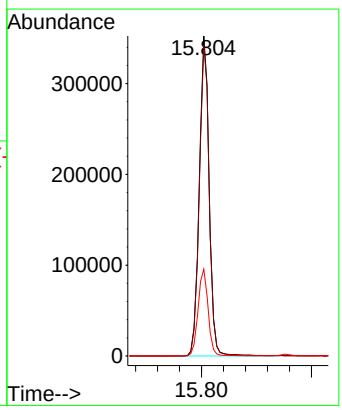


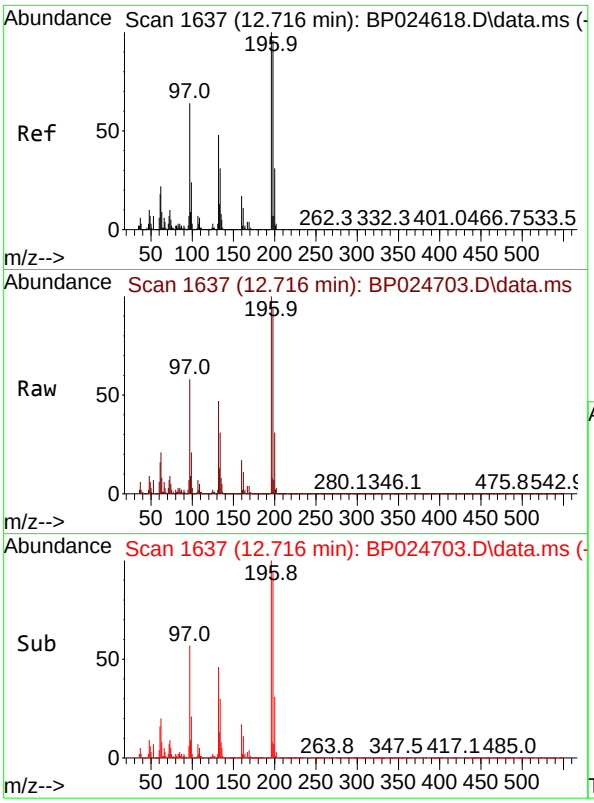




#42
2,4,6-Tribromophenol
Concen: 82.116 ng
RT: 15.804 min Scan# 2162
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:330 Resp: 441081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.6 | 78.2 | 117.4 |
| 141 | 27.6 | 24.3 | 36.5 |



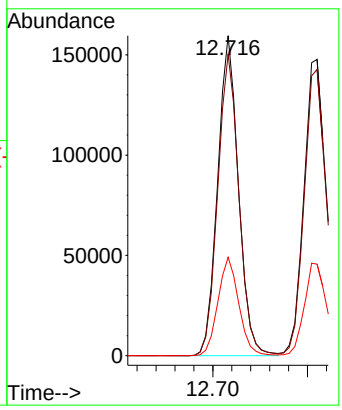


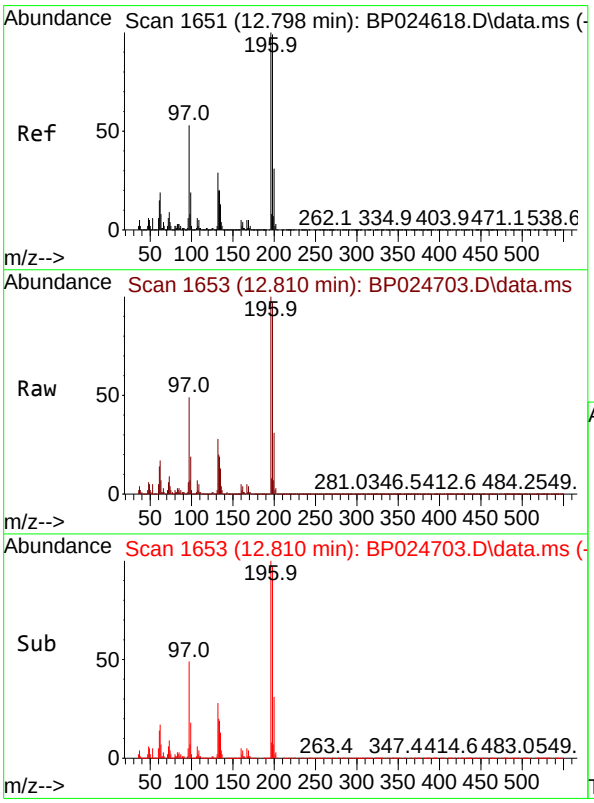

#43
2,4,6-Trichlorophenol
Concen: 40.826 ng
RT: 12.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:196 Resp: 243302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.2 | 76.9 | 115.3 |
| 200 | 30.8 | 25.2 | 37.8 |

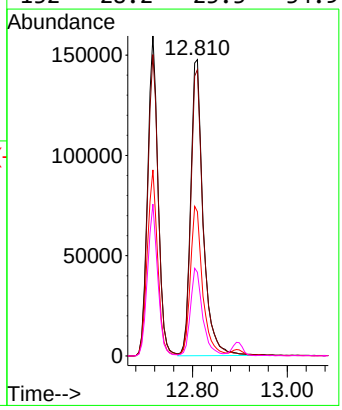


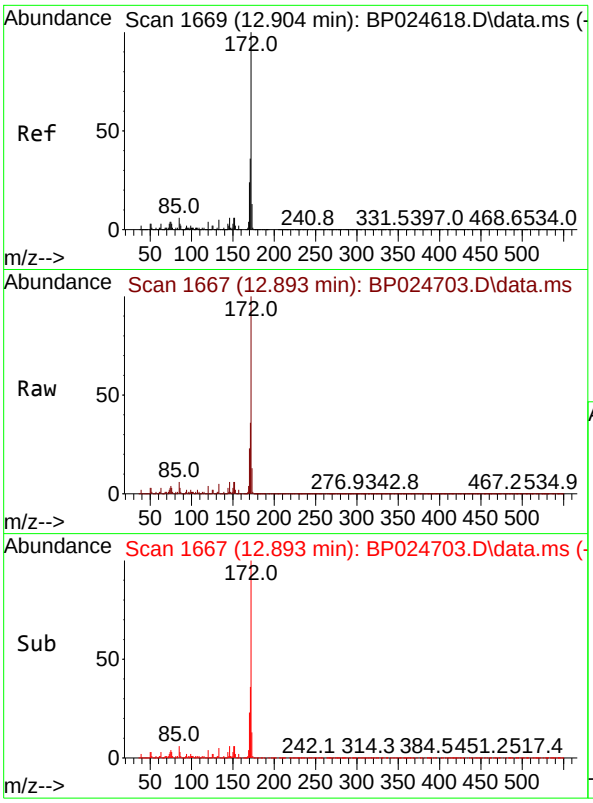




#44
2,4,5-Trichlorophenol
Concen: 40.832 ng
RT: 12.810 min Scan# 1653
Delta R.T. 0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:196 Resp: 270865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.6 | 79.2 | 118.8 |
| 97 | 48.7 | 42.3 | 63.5 |
| 132 | 28.2 | 23.3 | 34.9 |



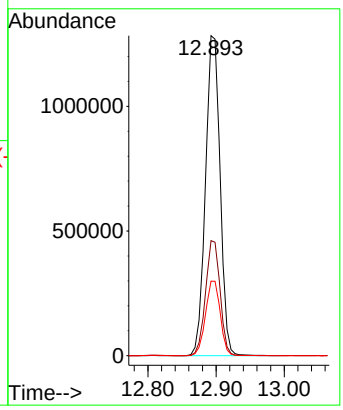


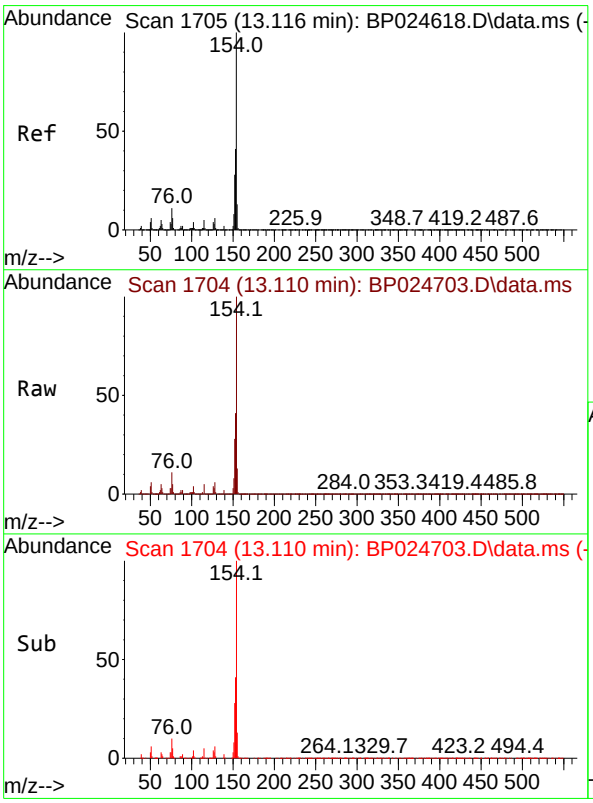

#45
2-Fluorobiphenyl
Concen: 79.243 ng
RT: 12.893 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:172 Resp: 1916443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 28.8 | 43.2 |
| 170 | 23.3 | 18.8 | 28.2 |

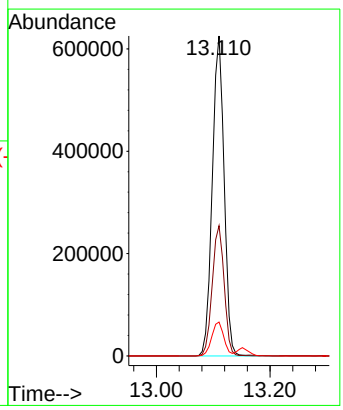


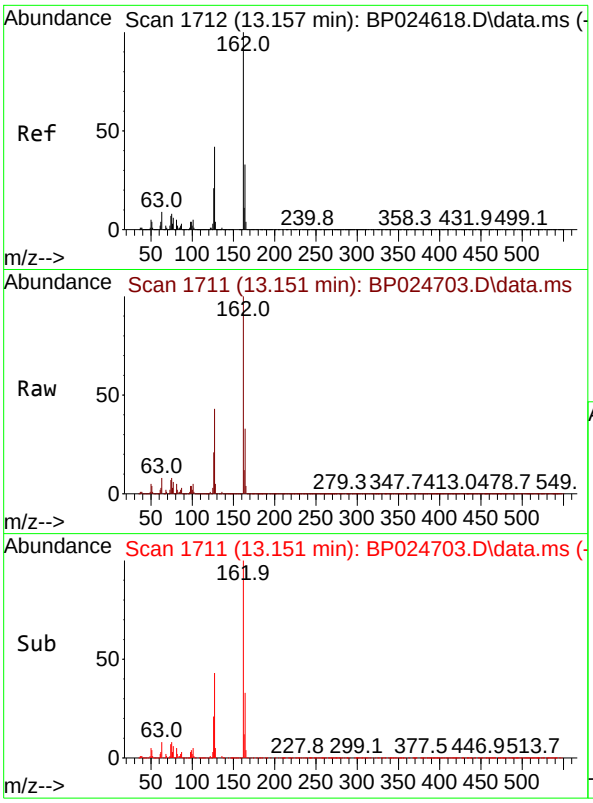




#46
1,1'-Biphenyl
Concen: 38.417 ng
RT: 13.110 min Scan# 1704
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:154 Resp: 899673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.7 | 21.0 | 61.0 |
| 76 | 10.6 | 0.0 | 31.5 |



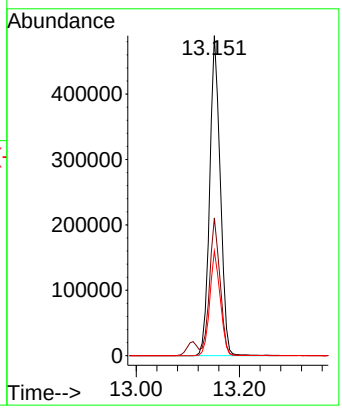


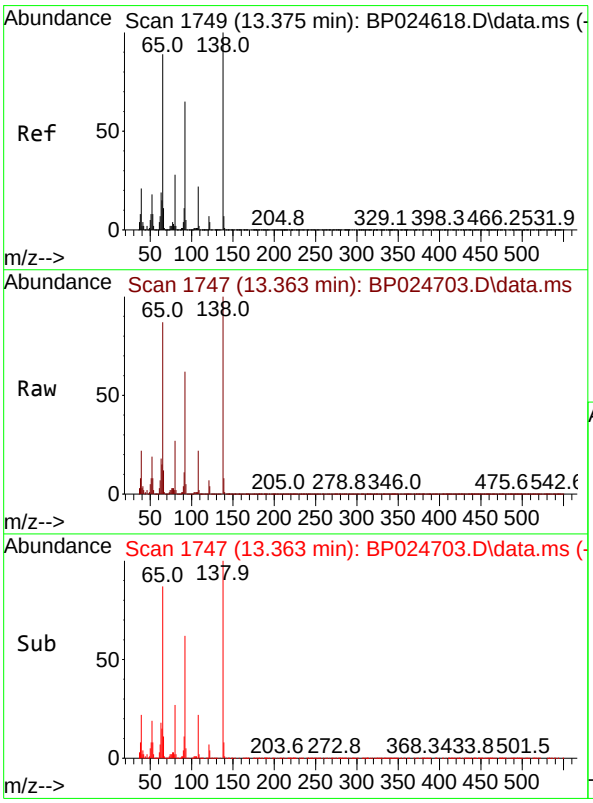

#47
2-Chloronaphthalene
Concen: 38.930 ng
RT: 13.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 695128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.0 | 33.8 | 50.6 |
| 164 | 32.7 | 26.0 | 39.0 |

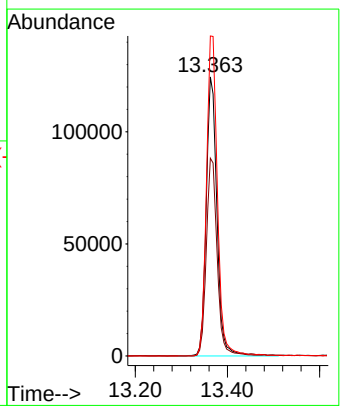


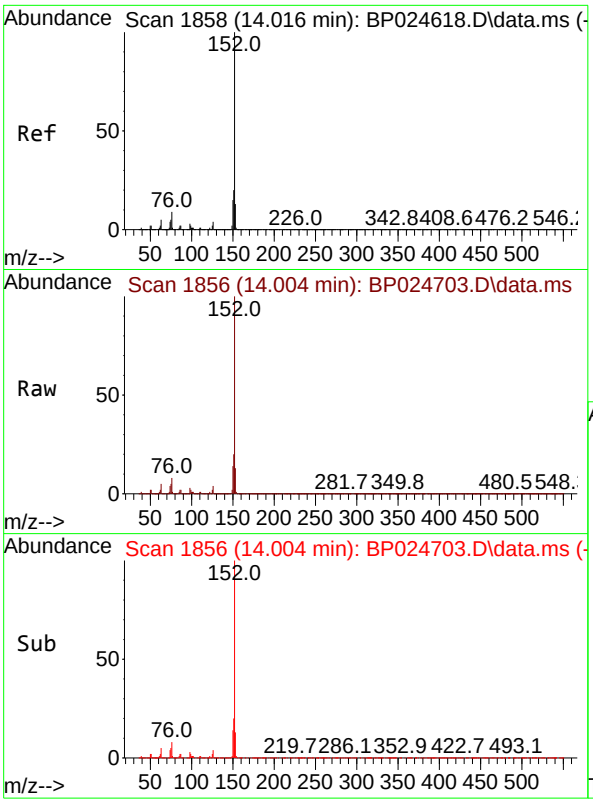




#48
2-Nitroaniline
Concen: 38.400 ng
RT: 13.363 min Scan# 1747
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion: 65 Resp: 203001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 70.9 | 58.7 | 88.1 |
| 138 | 114.6 | 90.2 | 135.2 |



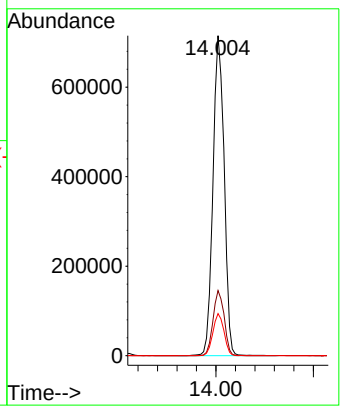


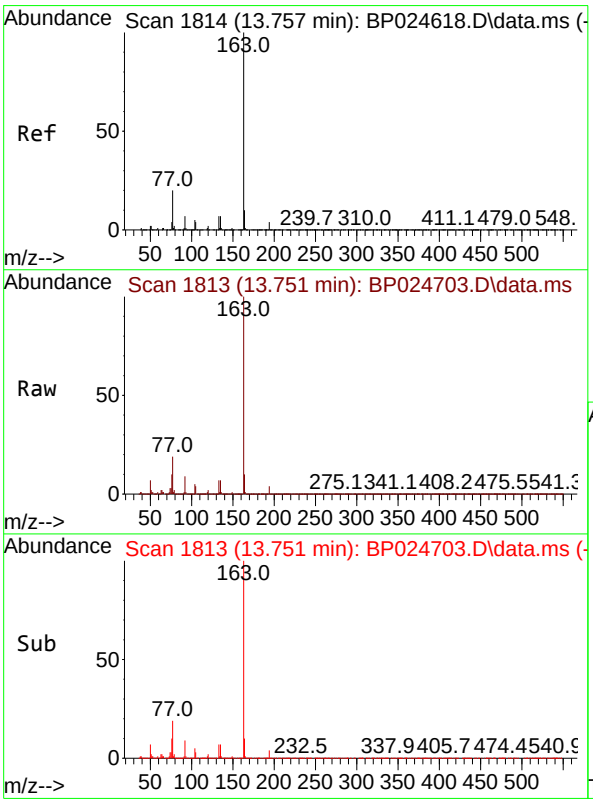

#49
Acenaphthylene
Concen: 38.009 ng
RT: 14.004 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 1135762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.4 | 16.2 | 24.4 |
| 153 | 13.1 | 10.2 | 15.4 |

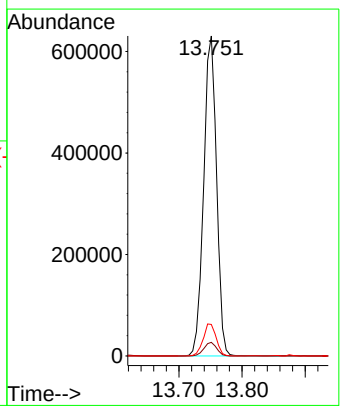


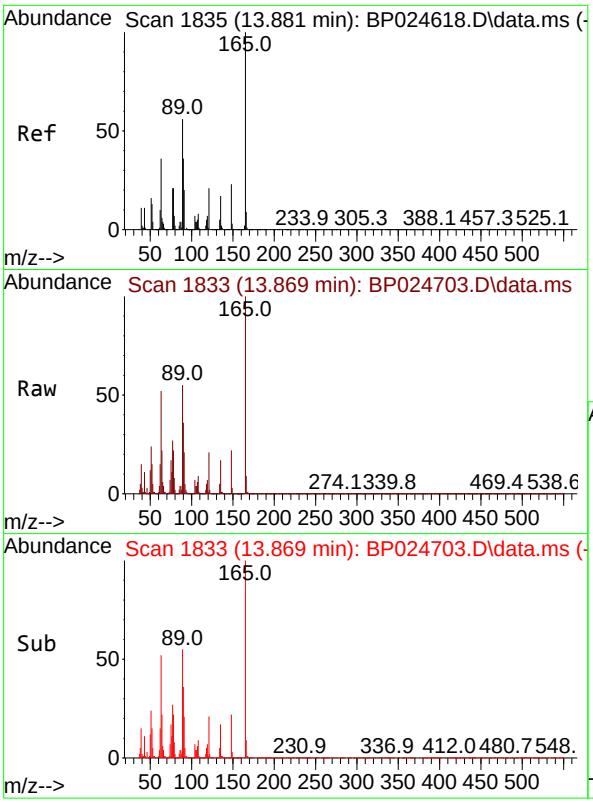




#50
Dimethylphthalate
Concen: 37.061 ng
RT: 13.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:163 Resp: 895032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.4 | 5.0 |
| 164 | 9.9 | 8.1 | 12.1 |



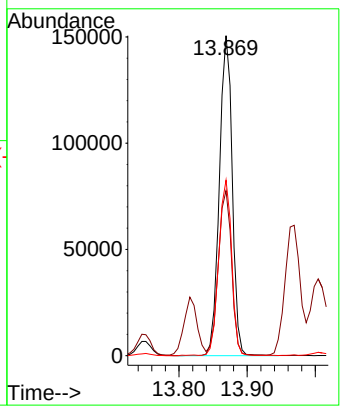


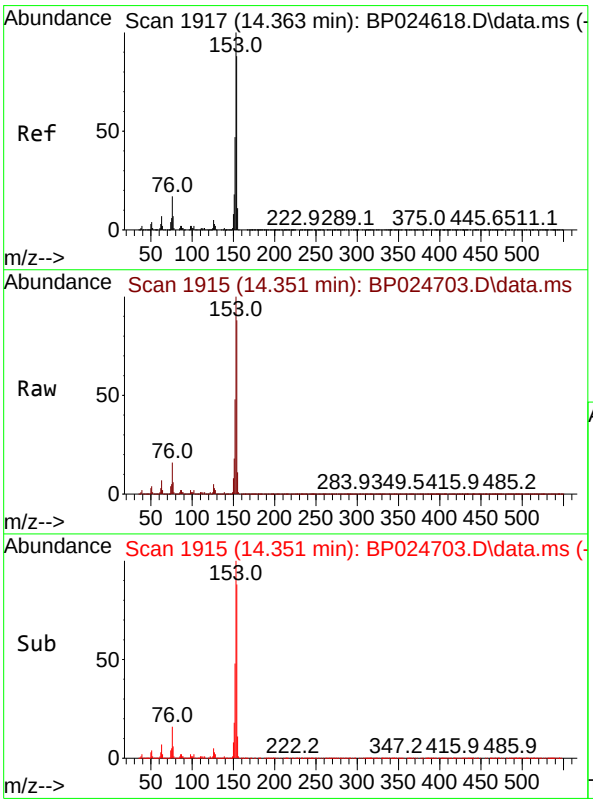

#51
2,6-Dinitrotoluene
Concen: 38.712 ng
RT: 13.869 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 197446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 51.6 | 42.4 | 63.6 |
| 89 | 54.8 | 44.8 | 67.2 |

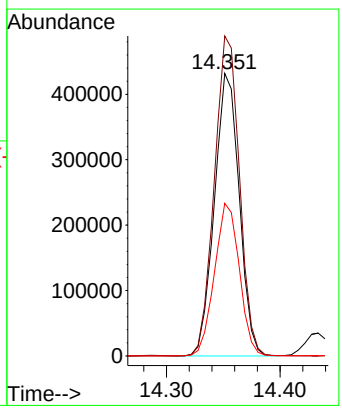


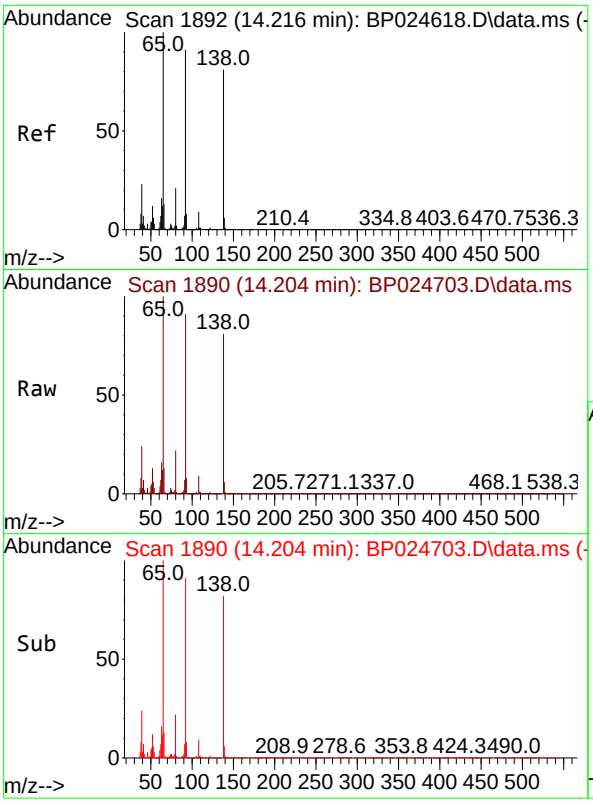




#52
Acenaphthene
Concen: 38.193 ng
RT: 14.351 min Scan# 1915
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:154 Resp: 656098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.3 | 91.0 | 136.4 |
| 152 | 54.0 | 42.9 | 64.3 |



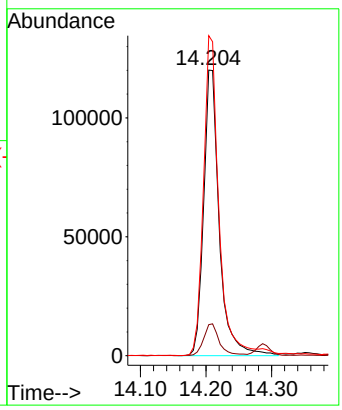


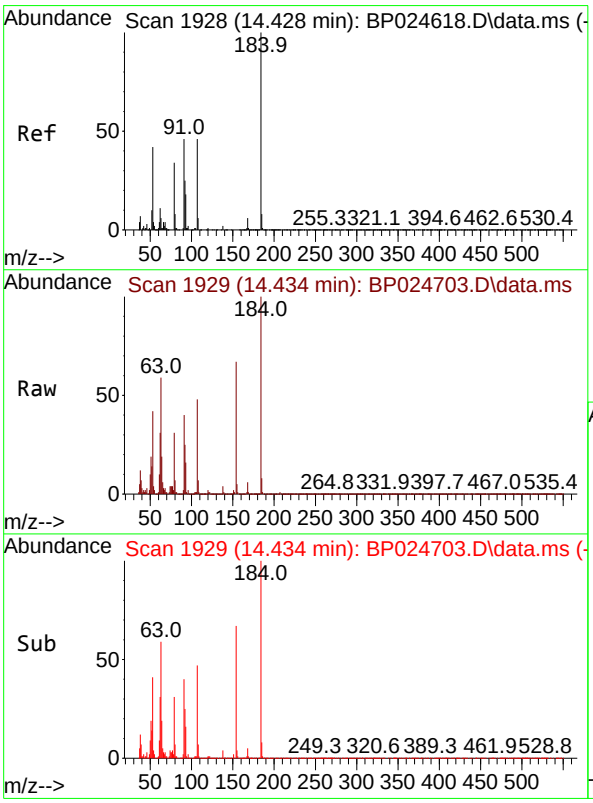

#53
3-Nitroaniline
Concen: 38.296 ng
RT: 14.204 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:138 Resp: 199441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.9 | 9.0 | 13.4 |
| 92 | 112.0 | 90.1 | 135.1 |

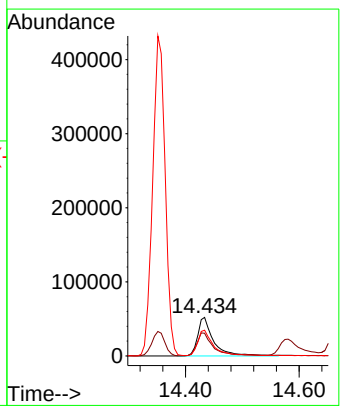


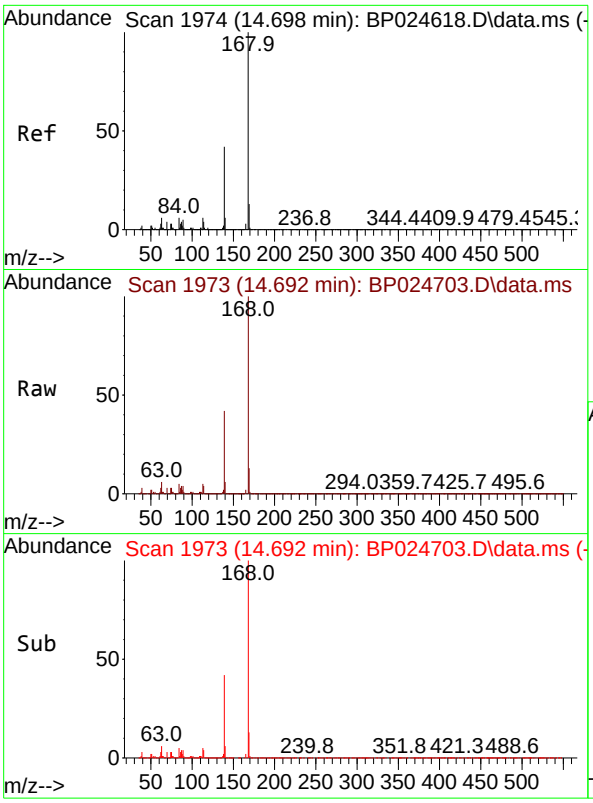




#54
2,4-Dinitrophenol
Concen: 35.323 ng
RT: 14.434 min Scan# 1929
Delta R.T. 0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:184 Resp: 101110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 59.1 | 51.3 | 76.9 |
| 154 | 67.1 | 53.5 | 80.3 |



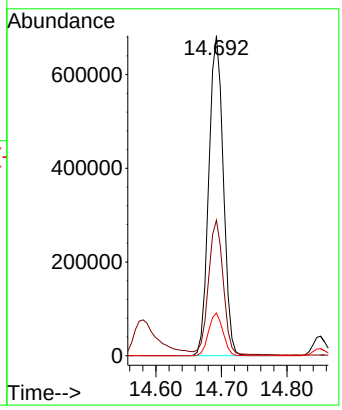


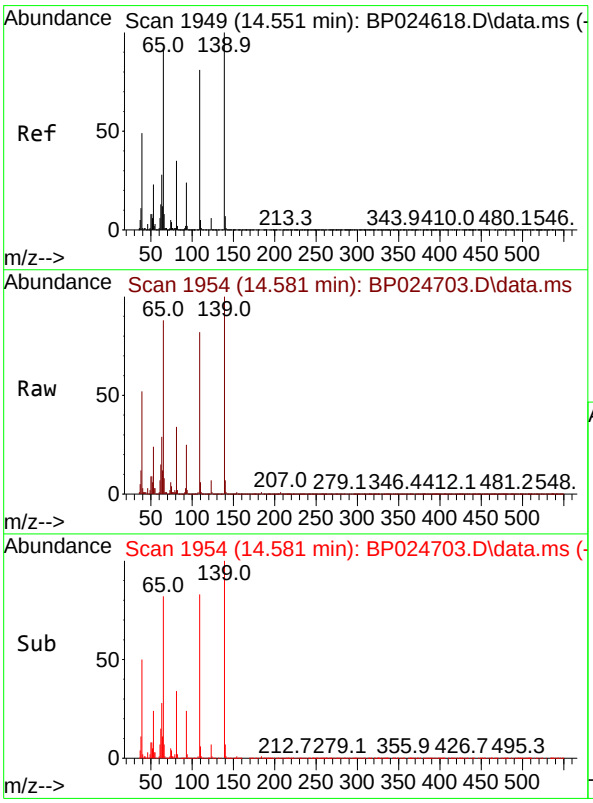

#55
Dibenzofuran
Concen: 38.252 ng
RT: 14.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:168 Resp: 1048113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 42.3 | 34.2 | 51.4 |
| 169 | 13.4 | 10.8 | 16.2 |

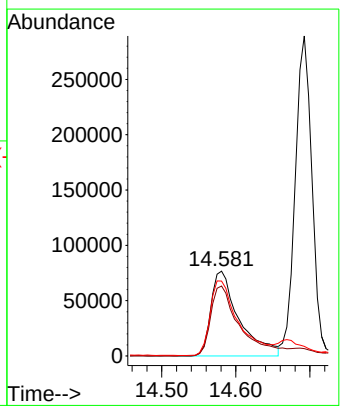


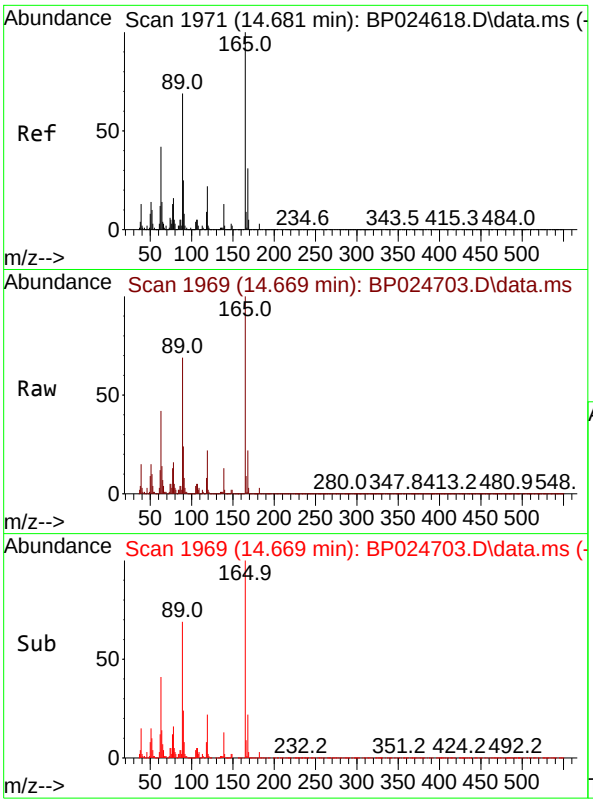




#56
4-Nitrophenol
Concen: 46.802 ng
RT: 14.581 min Scan# 1954
Delta R.T. 0.030 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:139 Resp: 202652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 82.4 | 61.4 | 101.4 |
| 65 | 88.3 | 72.2 | 112.2 |



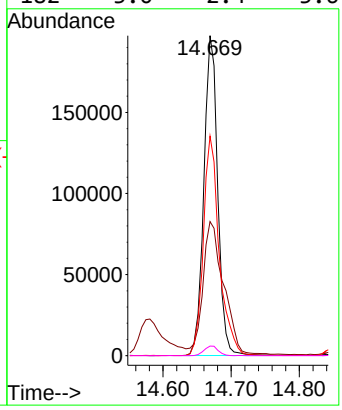


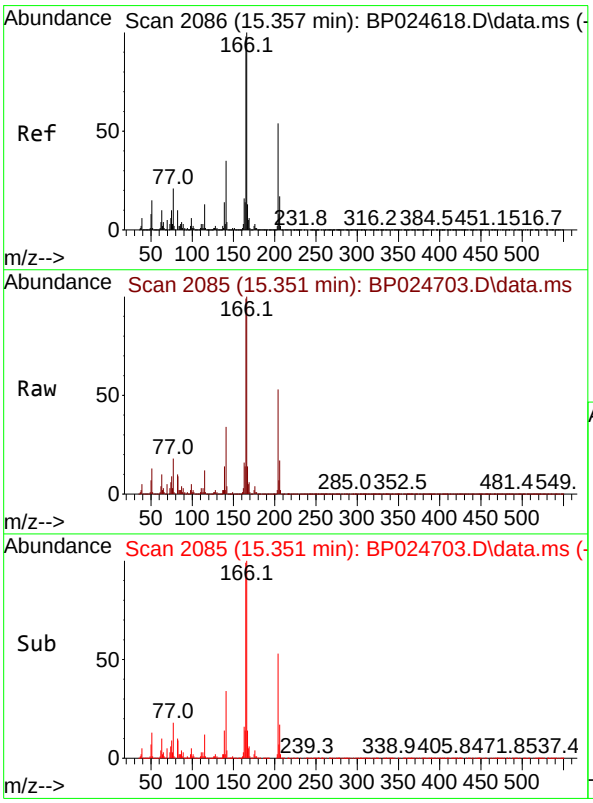

#57
2,4-Dinitrotoluene
Concen: 38.874 ng
RT: 14.669 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 279529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 41.9 | 33.8 | 50.6 |
| 89 | 68.6 | 55.6 | 83.4 |
| 182 | 3.0 | 2.4 | 3.6 |

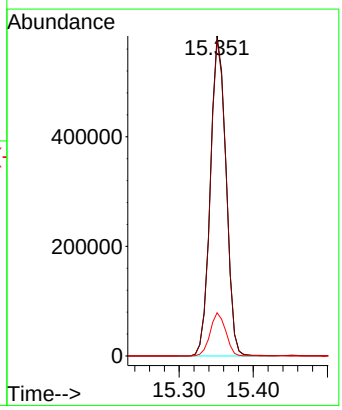


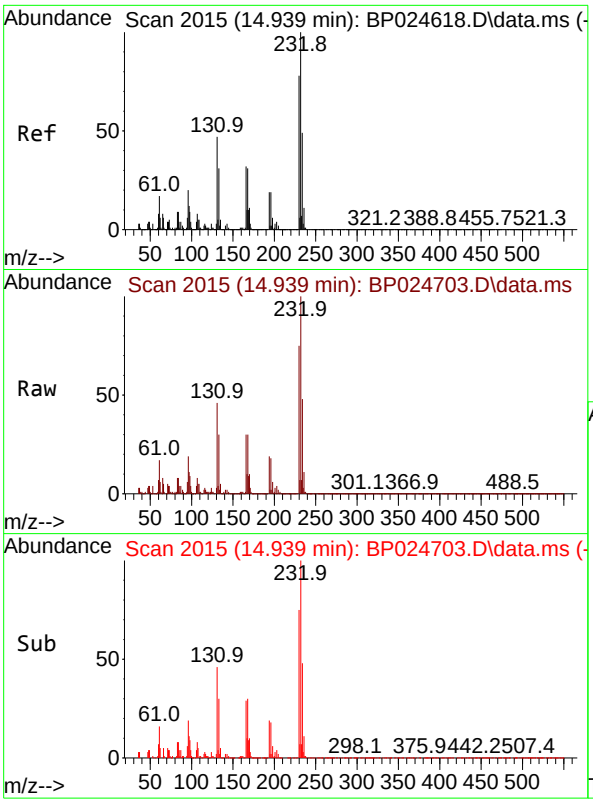




#58
Fluorene
Concen: 38.395 ng
RT: 15.351 min Scan# 2085
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:166 Resp: 857836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.8 | 78.5 | 117.7 |
| 167 | 13.5 | 10.7 | 16.1 |



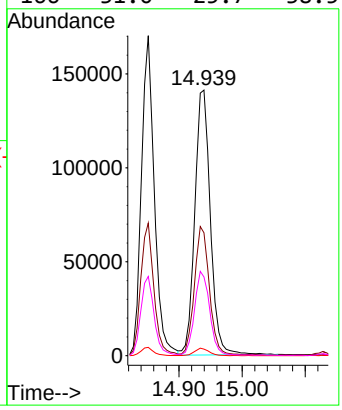


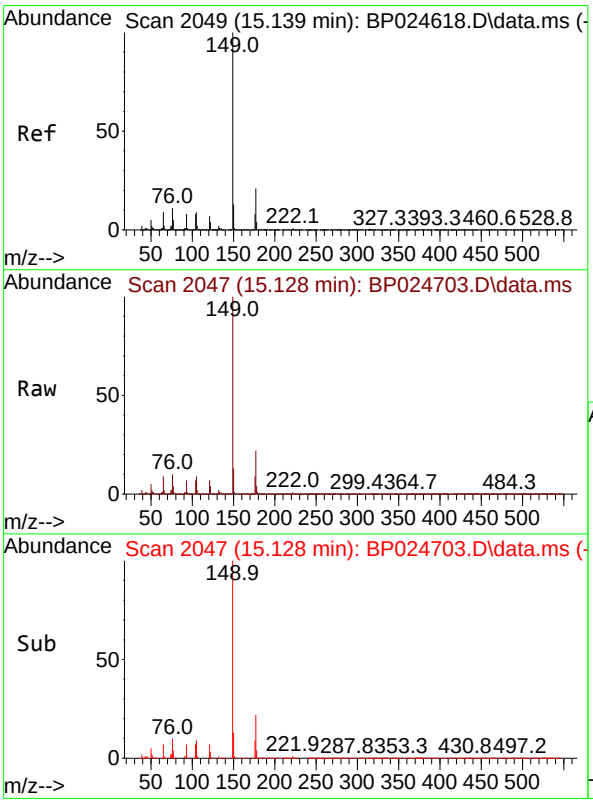

#59
2,3,4,6-Tetrachlorophenol
Concen: 39.256 ng
RT: 14.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:232 Resp: 241572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 47.1 | 39.5 | 59.3 |
| 130 | 2.7 | 2.2 | 3.4 |
| 166 | 31.0 | 25.7 | 38.5 |

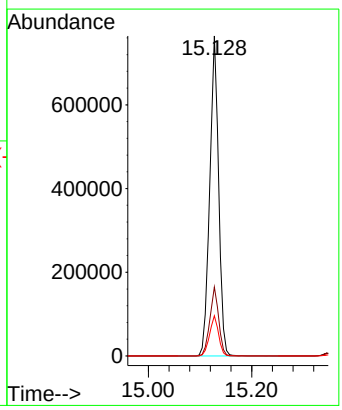


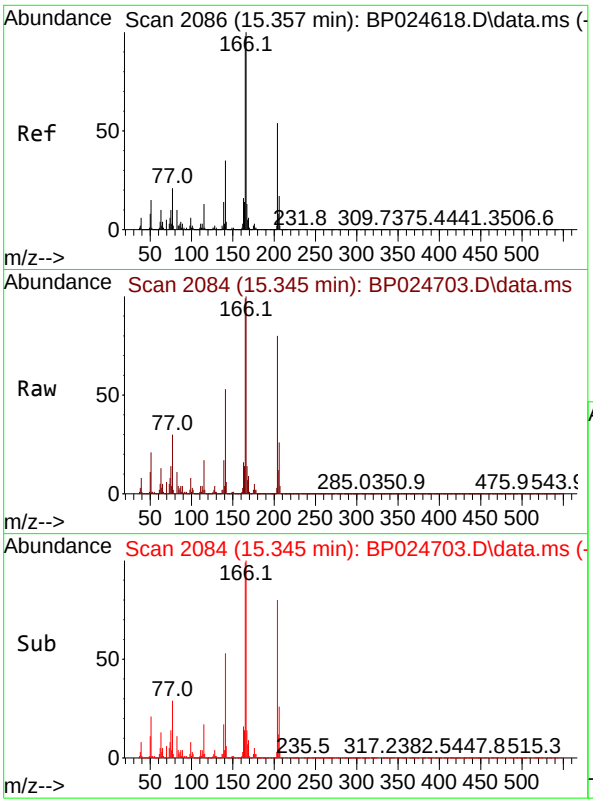




#60
Diethylphthalate
Concen: 37.342 ng
RT: 15.128 min Scan# 2047
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:149 Resp: 911477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.6 | 16.7 | 25.1 |
| 150 | 12.5 | 10.2 | 15.2 |



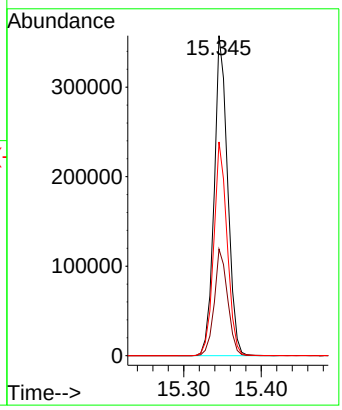


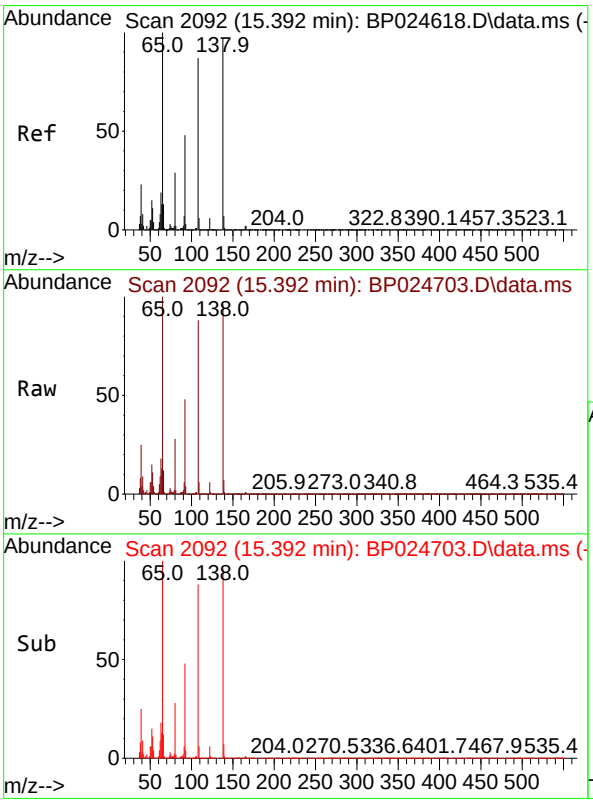

#61
4-Chlorophenyl-phenylether
Concen: 38.622 ng
RT: 15.345 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:204 Resp: 430331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.3 | 26.0 | 39.0 |
| 141 | 66.8 | 52.9 | 79.3 |

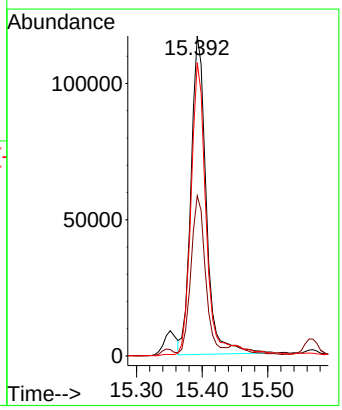


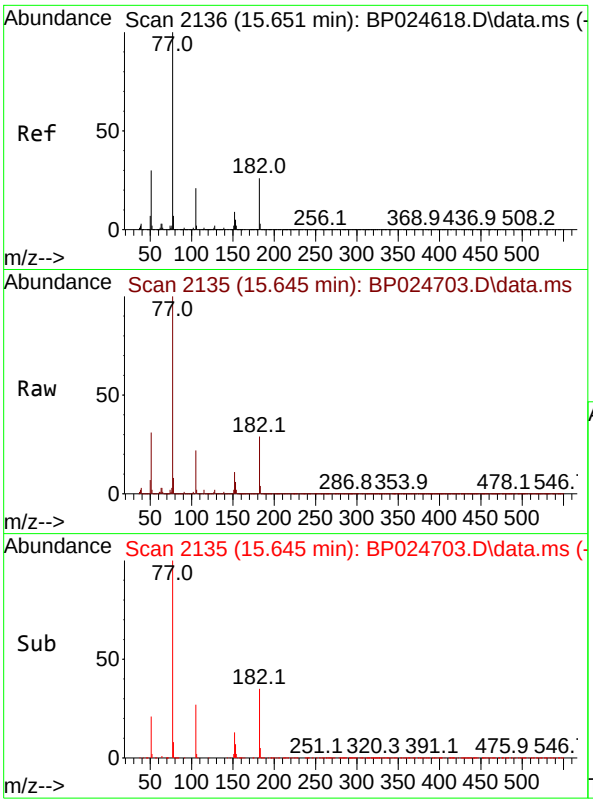




#62
4-Nitroaniline
Concen: 37.633 ng
RT: 15.392 min Scan# 2092
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:138 Resp: 189242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.1 | 29.2 | 69.2 |
| 108 | 91.6 | 69.0 | 109.0 |



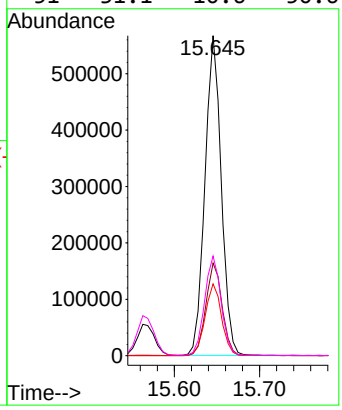


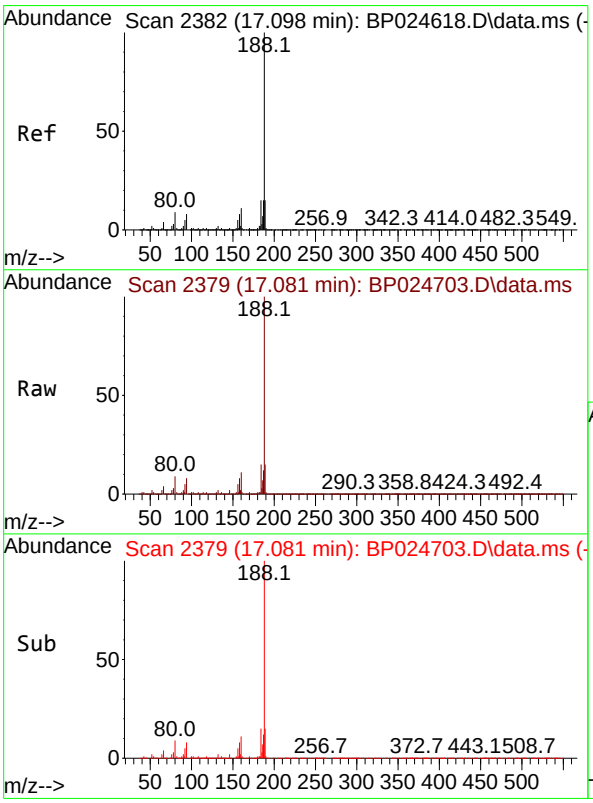

#63
Azobenzene
Concen: 36.055 ng
RT: 15.645 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 752861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 29.0 | 5.7 | 45.7 |
| 105 | 22.4 | 1.3 | 41.3 |
| 51 | 31.1 | 10.6 | 50.6 |

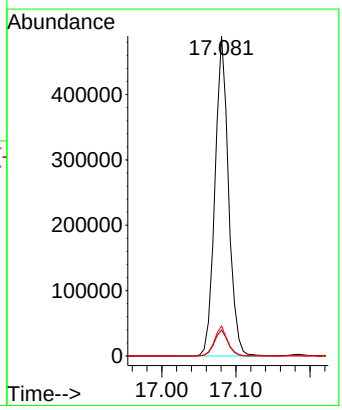


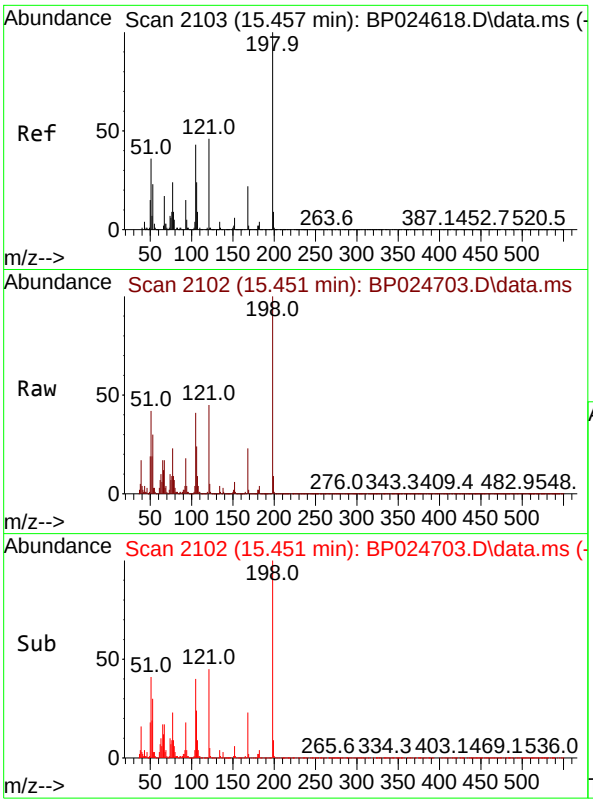




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.081 min Scan# 2379
Delta R.T. -0.018 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:188 Resp: 620396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.1 | 6.5 | 9.7 |
| 80 | 9.4 | 7.3 | 10.9 |



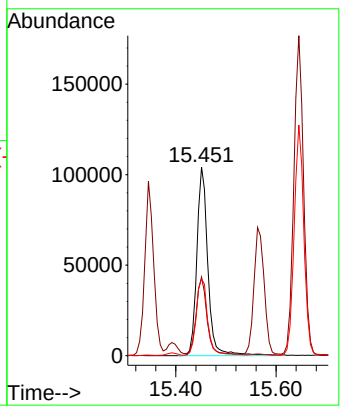


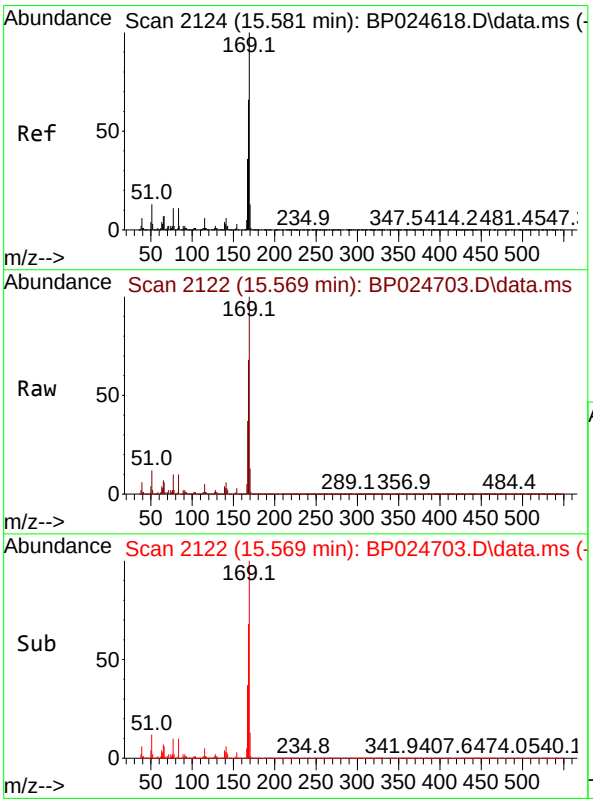

#65
4,6-Dinitro-2-methylphenol
Concen: 39.652 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:198 Resp: 158899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 41.7 | 21.1 | 61.1 |
| 105 | 40.6 | 23.6 | 63.6 |

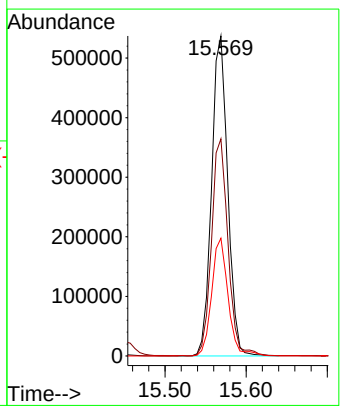


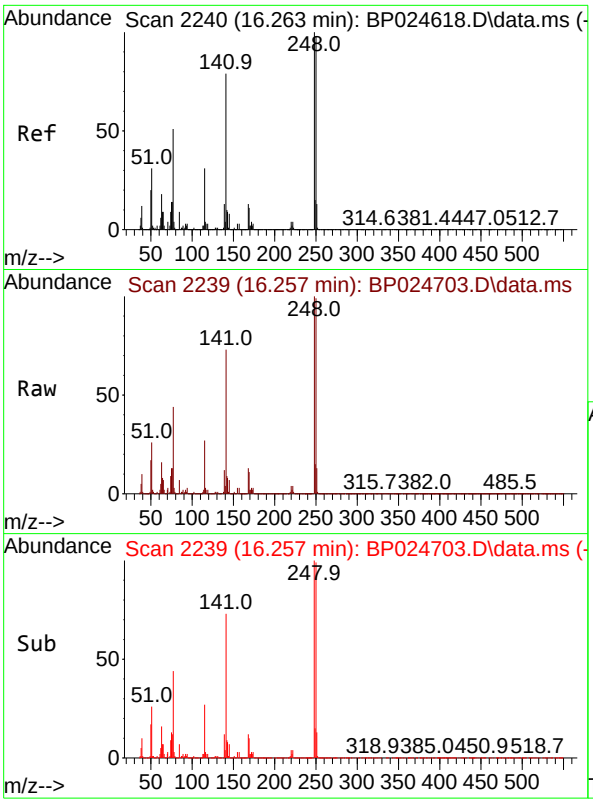




#66
n-Nitrosodiphenylamine
Concen: 38.839 ng
RT: 15.569 min Scan# 2122
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:169 Resp: 740115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.9 | 53.2 | 79.8 |
| 167 | 36.8 | 28.6 | 43.0 |



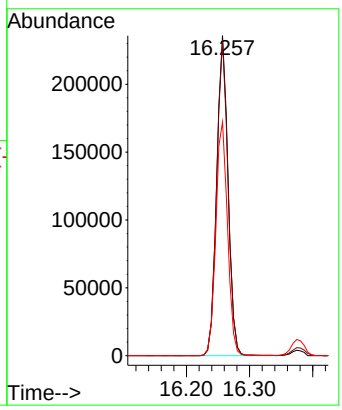


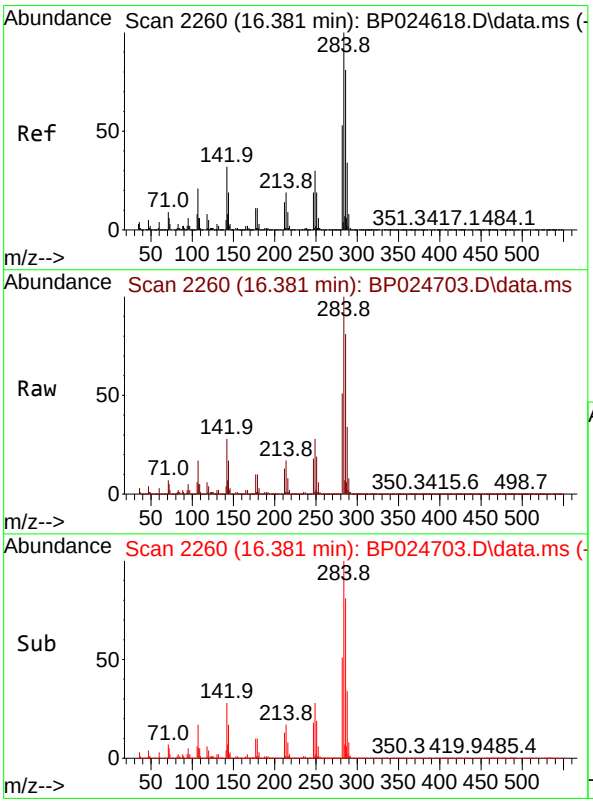

#67
4-Bromophenyl-phenylether
Concen: 40.410 ng
RT: 16.257 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:248 Resp: 295412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.6 | 78.2 | 117.4 |
| 141 | 73.0 | 63.0 | 94.6 |

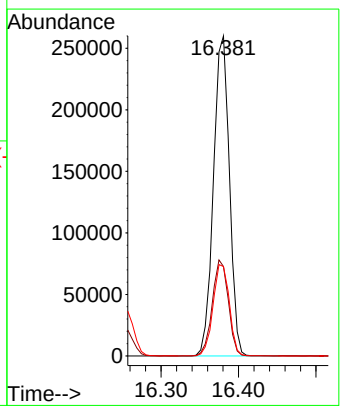


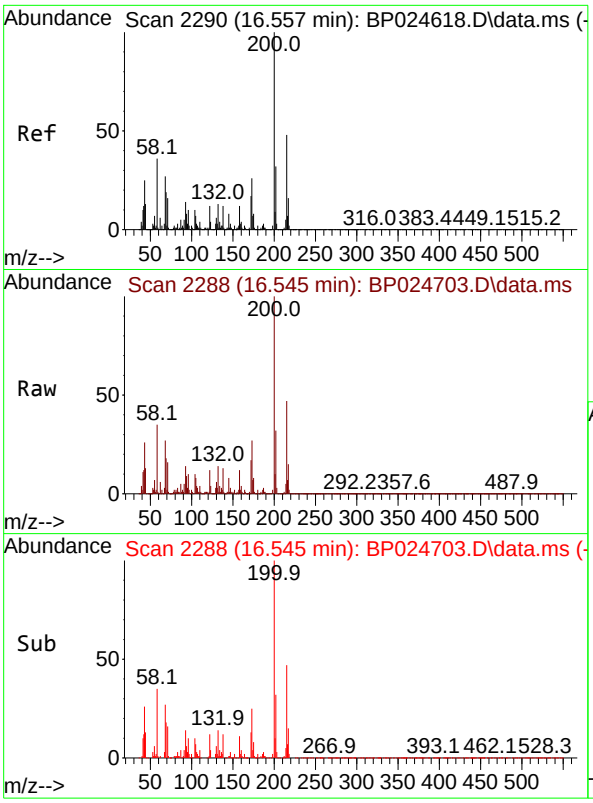




#68
Hexachlorobenzene
Concen: 39.938 ng
RT: 16.381 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:284 Resp: 370994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 28.0 | 25.9 | 38.9 |
| 249 | 28.0 | 24.1 | 36.1 |



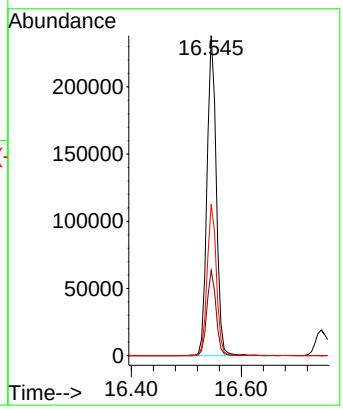


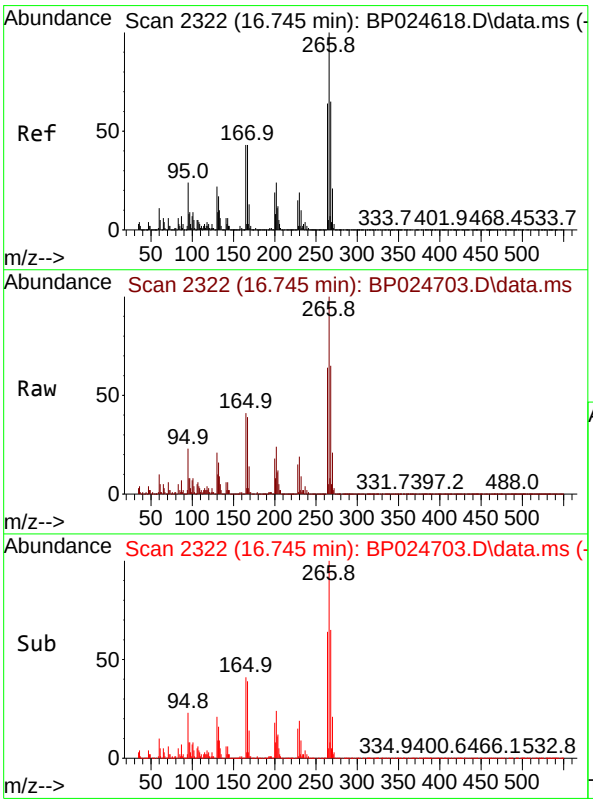

#69
Atrazine
Concen: 39.750 ng
RT: 16.545 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:200 Resp: 277598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.7 | 5.9 | 45.9 |
| 215 | 47.3 | 28.3 | 68.3 |

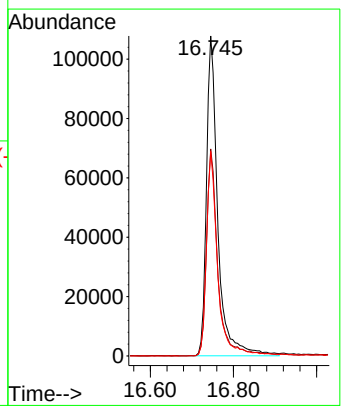


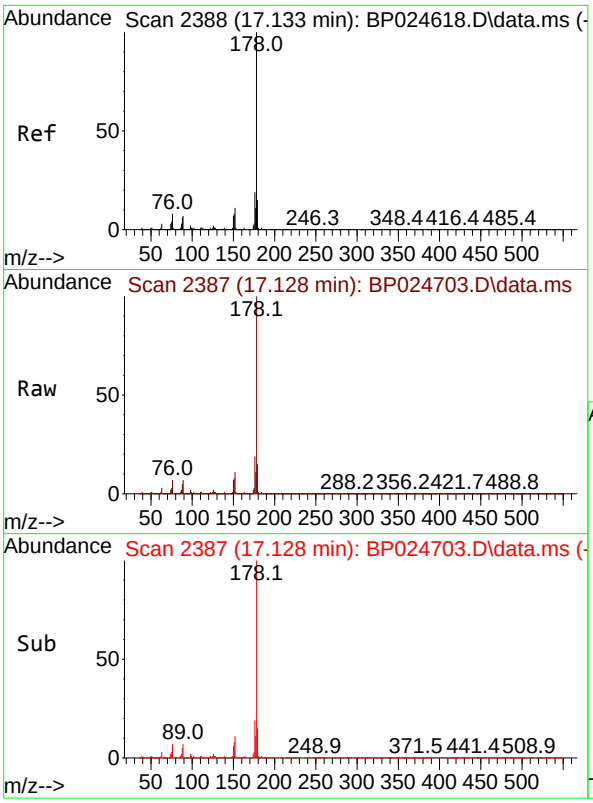




#70
Pentachlorophenol
Concen: 39.278 ng
RT: 16.745 min Scan# 2322
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:266 Resp: 204812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.7 | 52.2 | 78.4 |
| 264 | 63.9 | 51.1 | 76.7 |



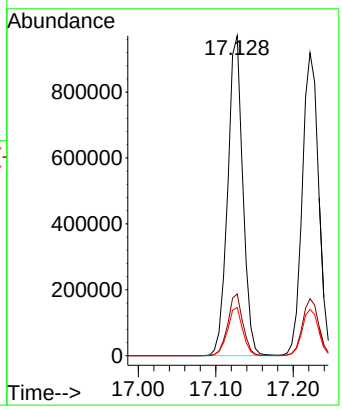


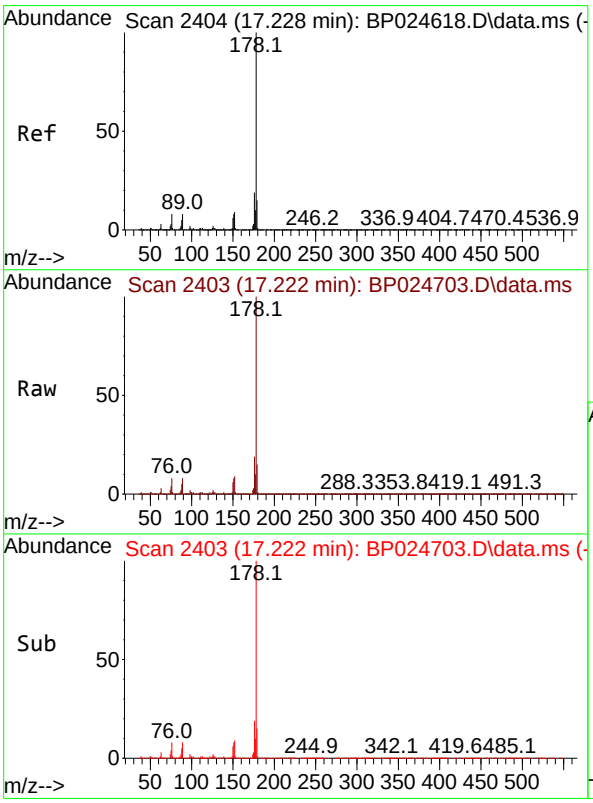

#71
Phenanthrene
Concen: 38.323 ng
RT: 17.128 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:178 Resp: 1321707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.4 | 23.2 |
| 179 | 15.0 | 12.2 | 18.4 |

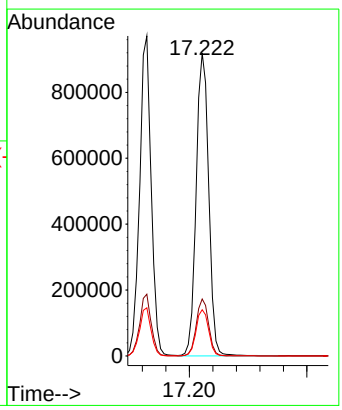


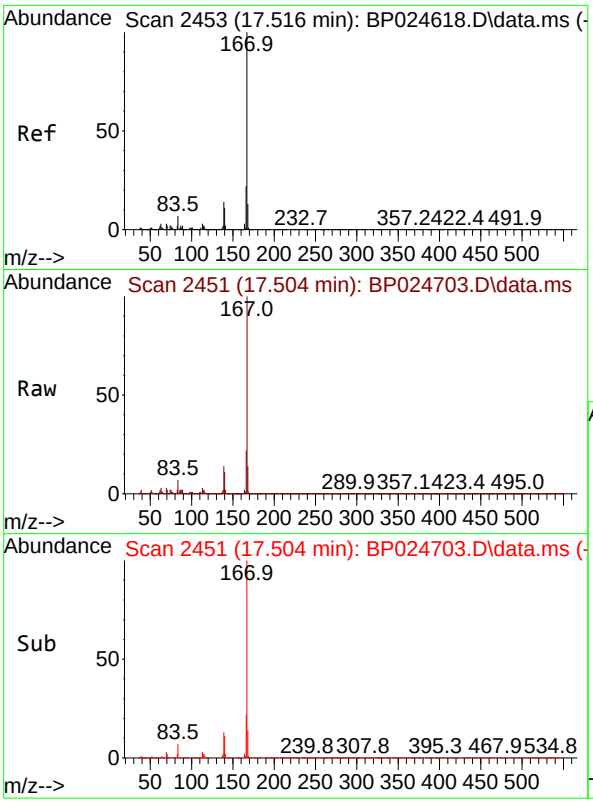




#72
Anthracene
Concen: 39.076 ng
RT: 17.222 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:178 Resp: 1355916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.0 | 22.4 |
| 179 | 15.3 | 12.2 | 18.2 |



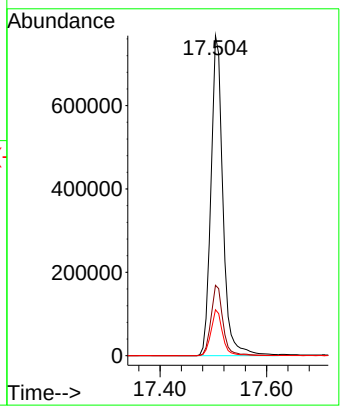


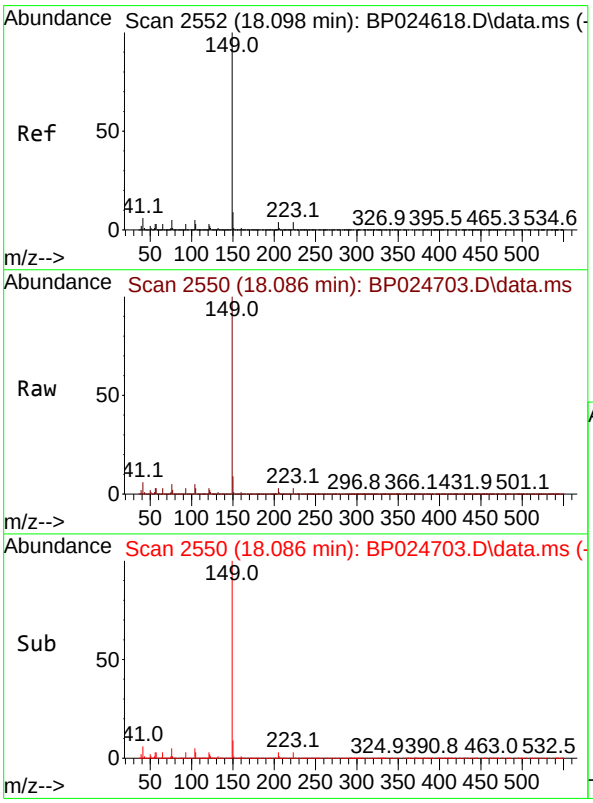

#73
Carbazole
Concen: 38.152 ng
RT: 17.504 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:167 Resp: 1198207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.0 | 17.7 | 26.5 |
| 139 | 14.4 | 11.3 | 16.9 |

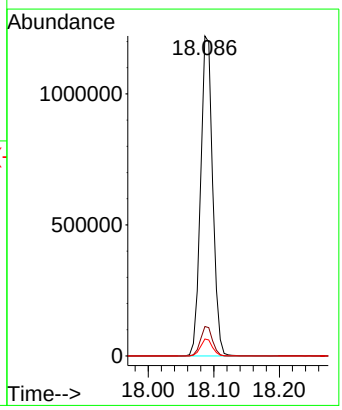


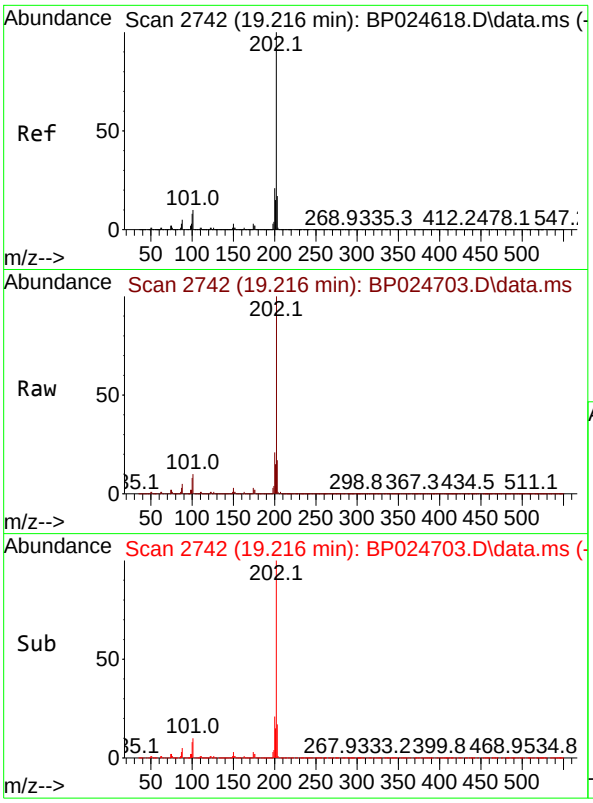




#74
Di-n-butylphthalate
Concen: 38.795 ng
RT: 18.086 min Scan# 2550
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:149 Resp: 1566966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.2 | 10.8 |
| 104 | 5.3 | 4.3 | 6.5 |



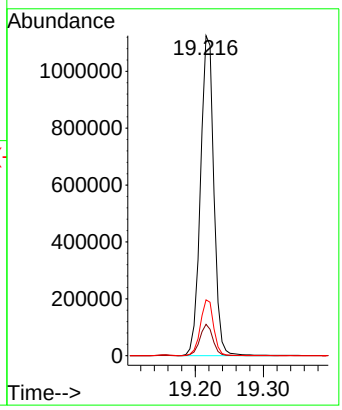


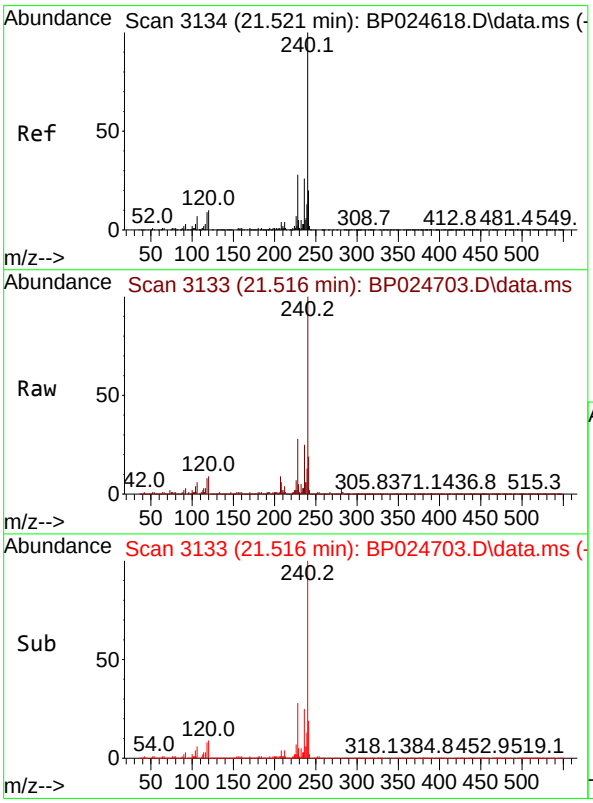

#75
Fluoranthene
Concen: 37.992 ng
RT: 19.216 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:202 Resp: 1531668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.8 | 0.0 | 30.3 |
| 203 | 17.5 | 0.0 | 37.5 |

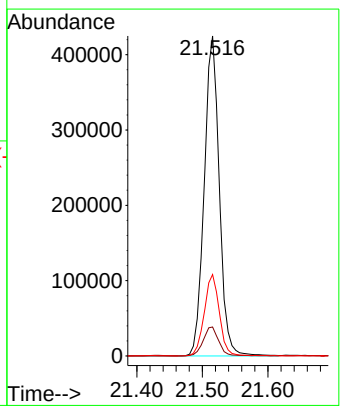


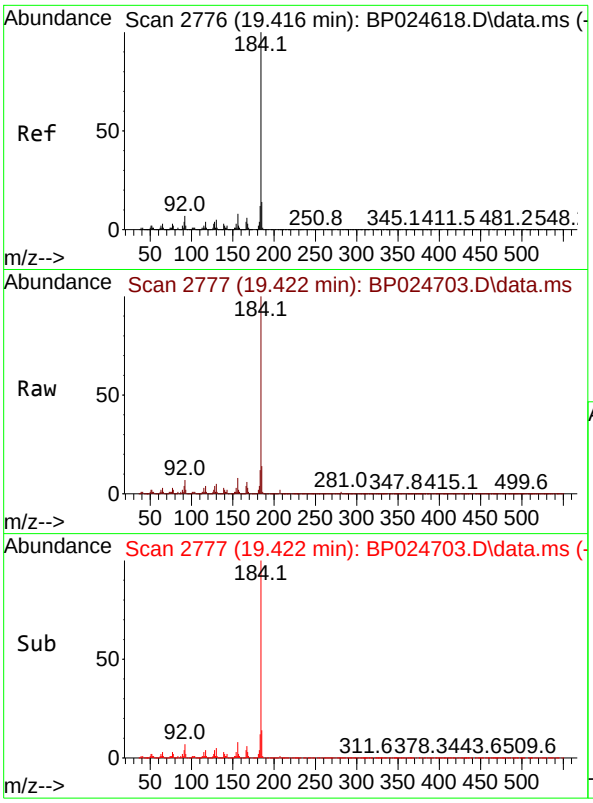




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:240 Resp: 679929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.1 | 7.8 | 11.6 |
| 236 | 25.4 | 20.6 | 31.0 |



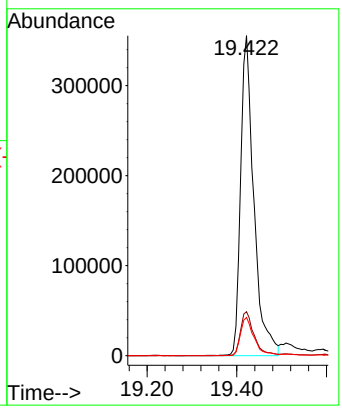


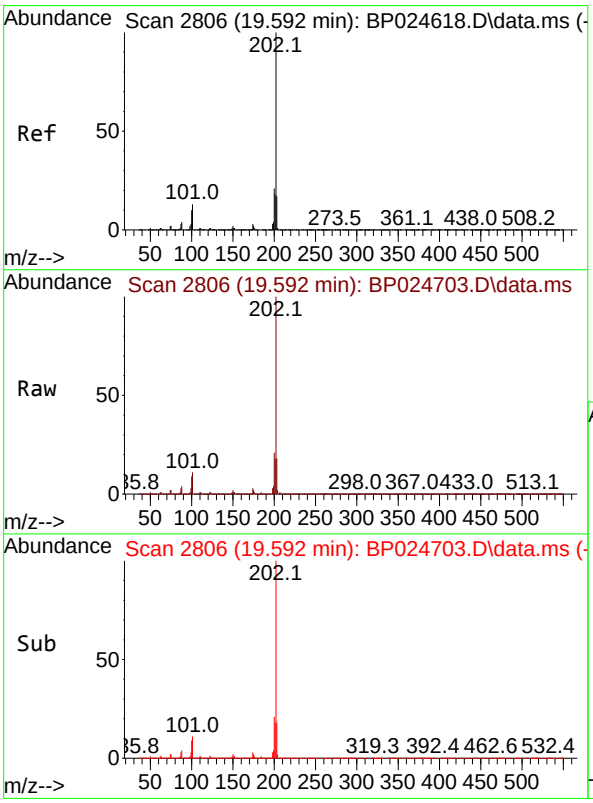

#77
Benzidine
Concen: 39.203 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:184 Resp: 725976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 13.7 | 11.2 | 16.8 |
| 183 | 12.0 | 9.8 | 14.8 |

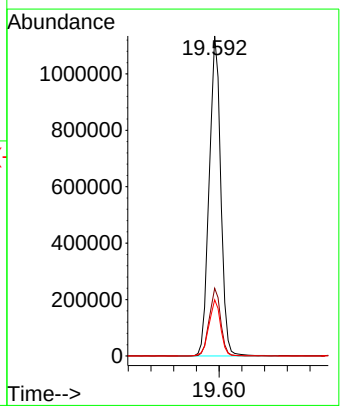


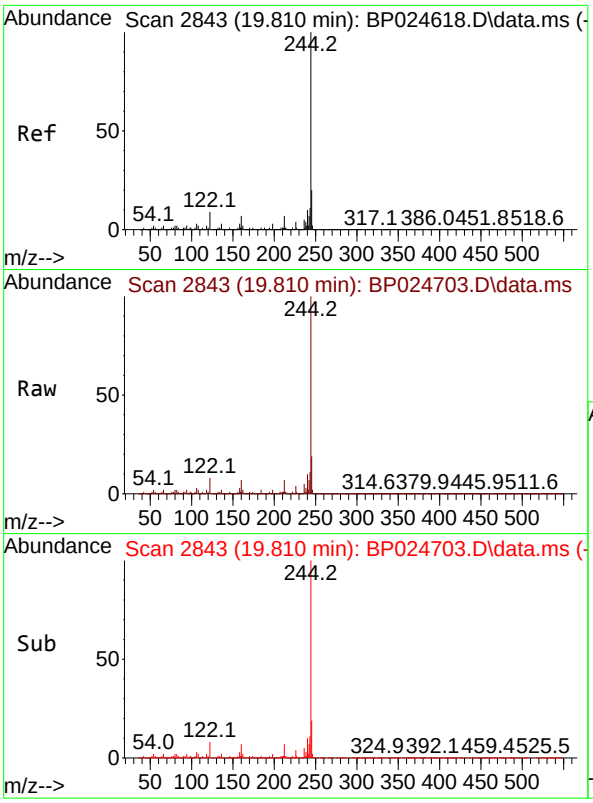




#78
Pyrene
Concen: 39.077 ng
RT: 19.592 min Scan# 2806
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:202 Resp: 1591992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 16.9 | 25.3 |
| 203 | 17.6 | 13.9 | 20.9 |



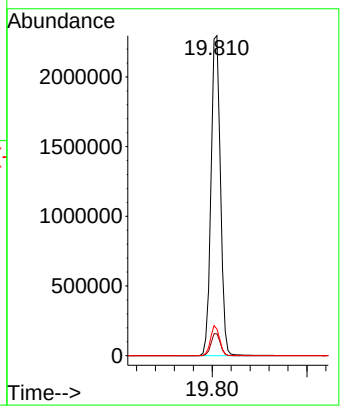


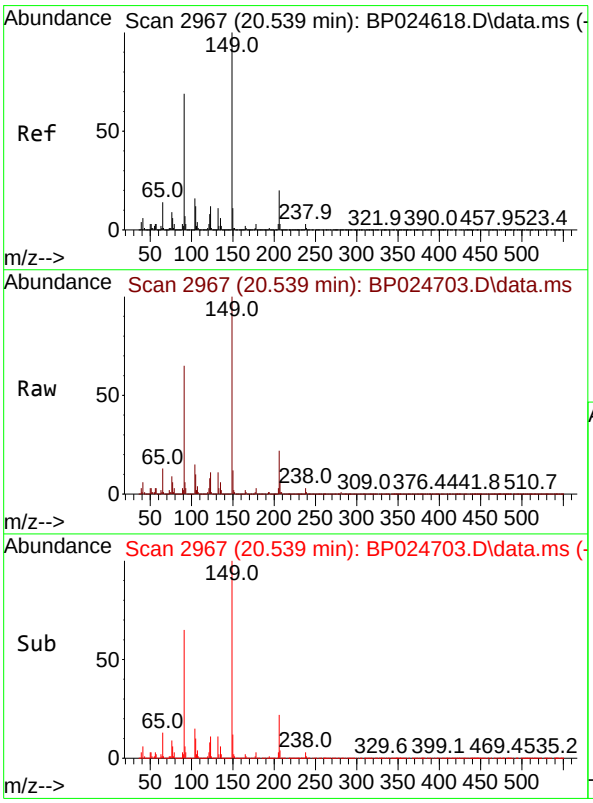

#79
Terphenyl-d14
Concen: 80.045 ng
RT: 19.810 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:244 Resp: 3174042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.5 | 8.3 |
| 122 | 8.4 | 7.4 | 11.0 |

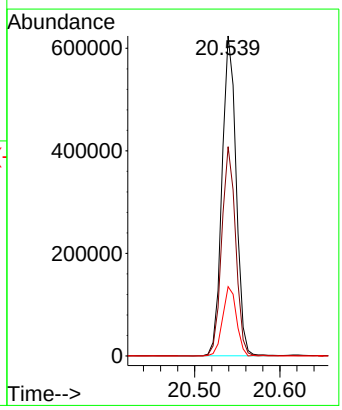


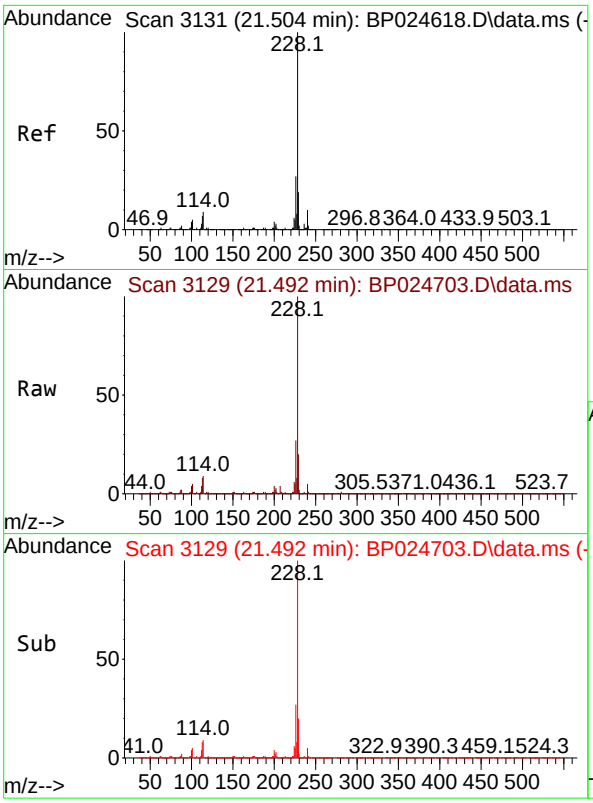




#80
Butylbenzylphthalate
Concen: 39.544 ng
RT: 20.539 min Scan# 2967
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:149 Resp: 716477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 65.4 | 55.4 | 83.0 |
| 206 | 21.7 | 16.2 | 24.2 |



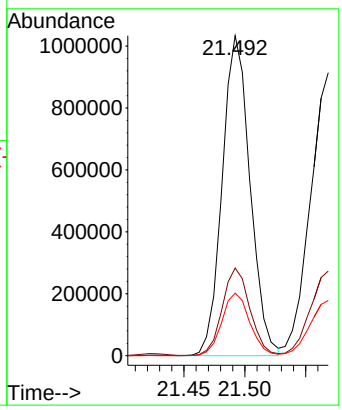


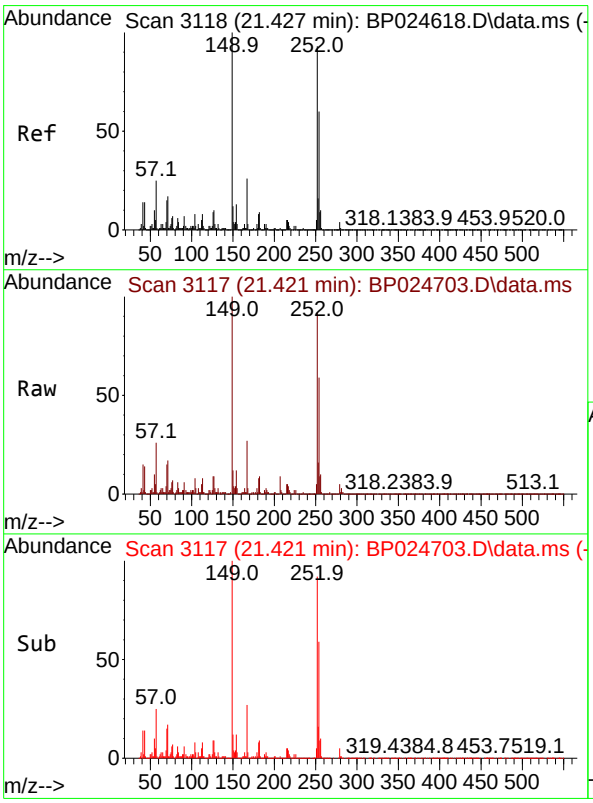

#81
Benzo(a)anthracene
Concen: 38.539 ng
RT: 21.492 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 1645382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.4 | 21.4 | 32.0 |
| 229 | 19.6 | 15.5 | 23.3 |

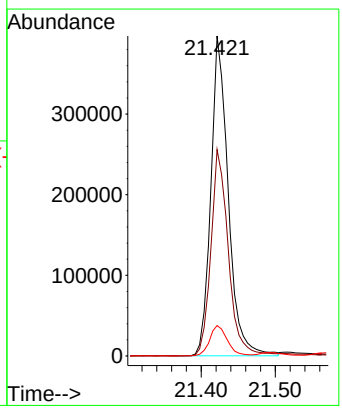


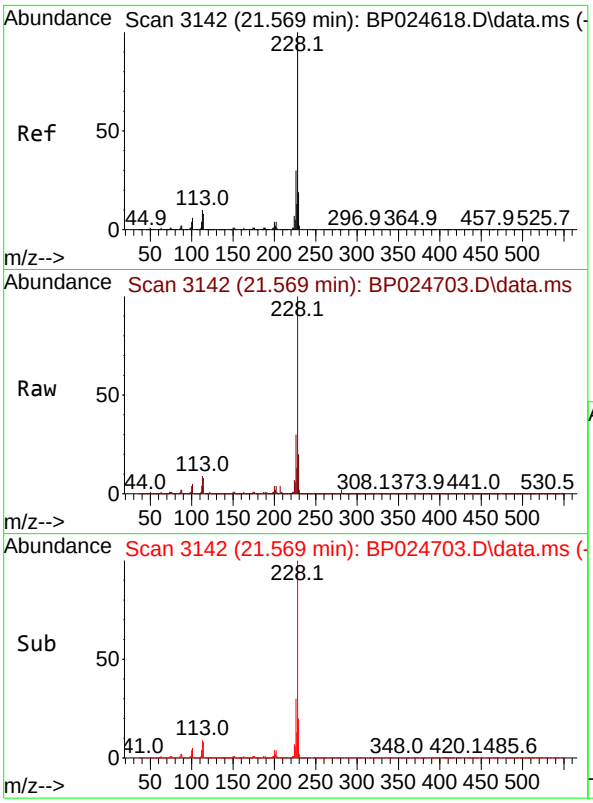




#82
3,3'-Dichlorobenzidine
Concen: 40.800 ng
RT: 21.421 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:252 Resp: 646986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.5 | 51.8 | 77.6 |
| 126 | 9.5 | 7.7 | 11.5 |



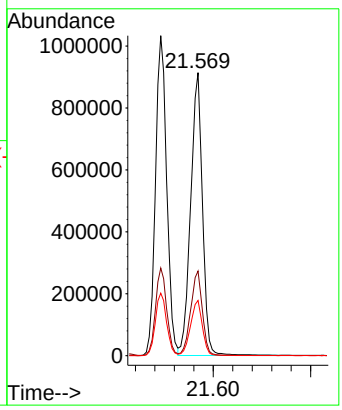


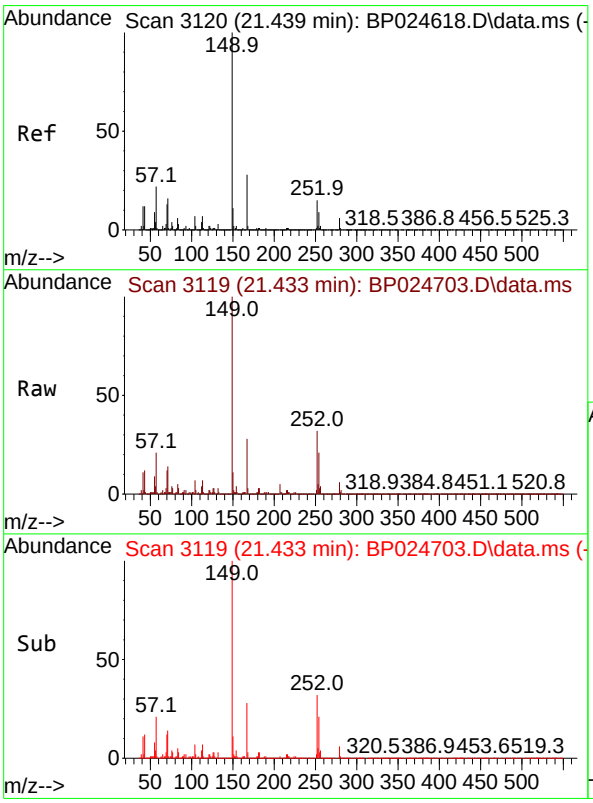

#83
Chrysene
Concen: 38.139 ng
RT: 21.569 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 1543547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 23.9 | 35.9 |
| 229 | 19.5 | 15.5 | 23.3 |

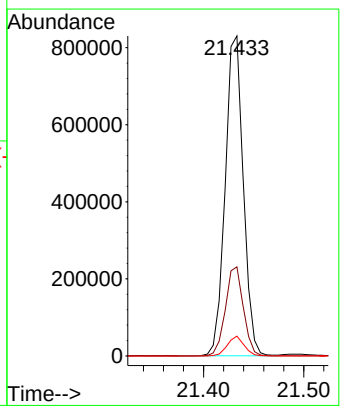


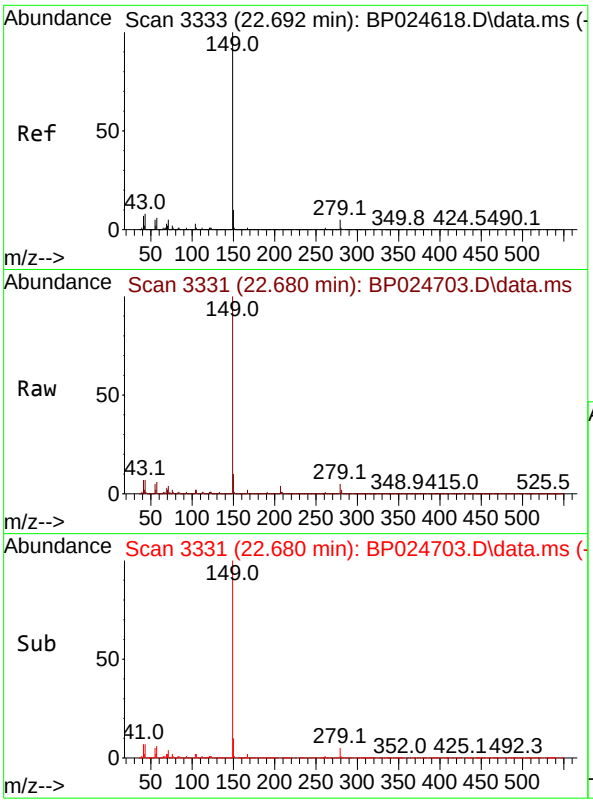




#84
Bis(2-ethylhexyl)phthalate
Concen: 39.018 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:149 Resp: 1039093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.9 | 22.1 | 33.1 |
| 279 | 6.2 | 4.6 | 6.8 |



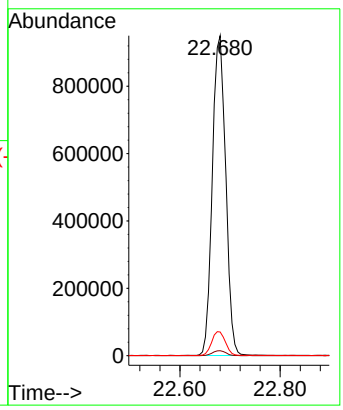


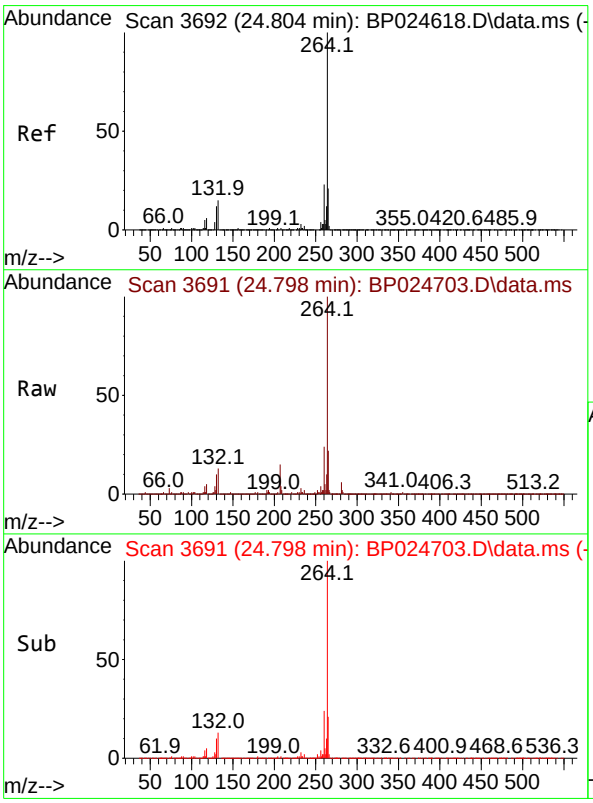

#85
Di-n-octyl phthalate
Concen: 40.266 ng
RT: 22.680 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:149 Resp: 1753560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.2 | 1.8 |
| 43 | 7.6 | 6.3 | 9.5 |

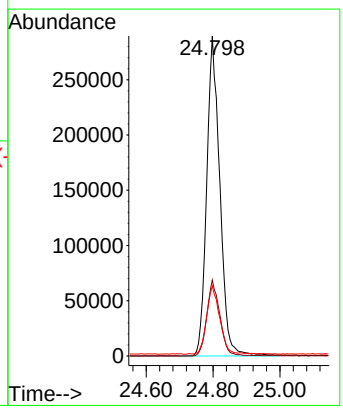


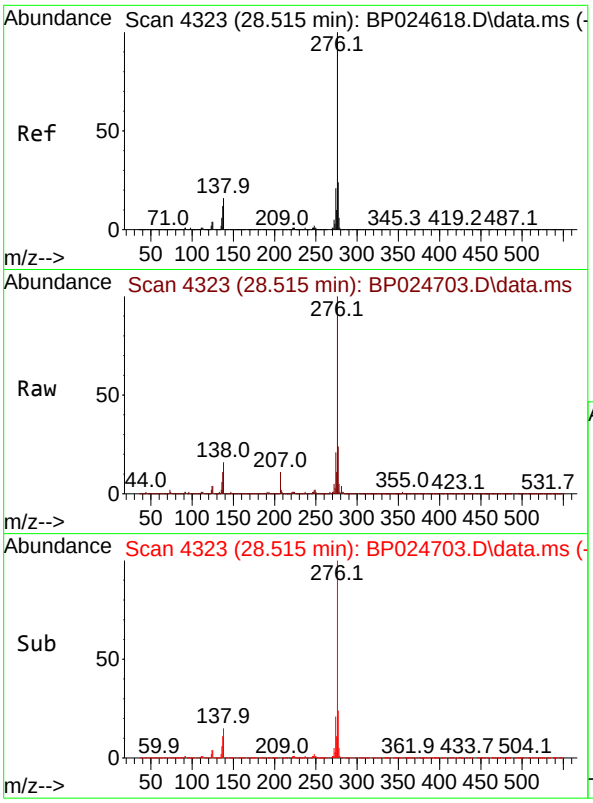




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.798 min Scan# 3691
Delta R.T. -0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:264 Resp: 792201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.7 | 18.7 | 28.1 |
| 265 | 21.9 | 17.0 | 25.6 |



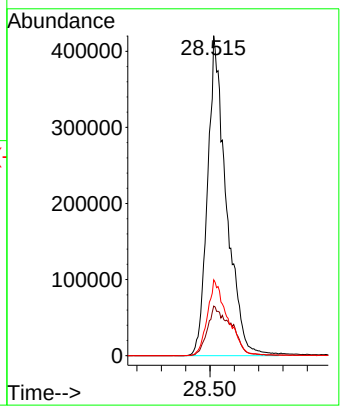


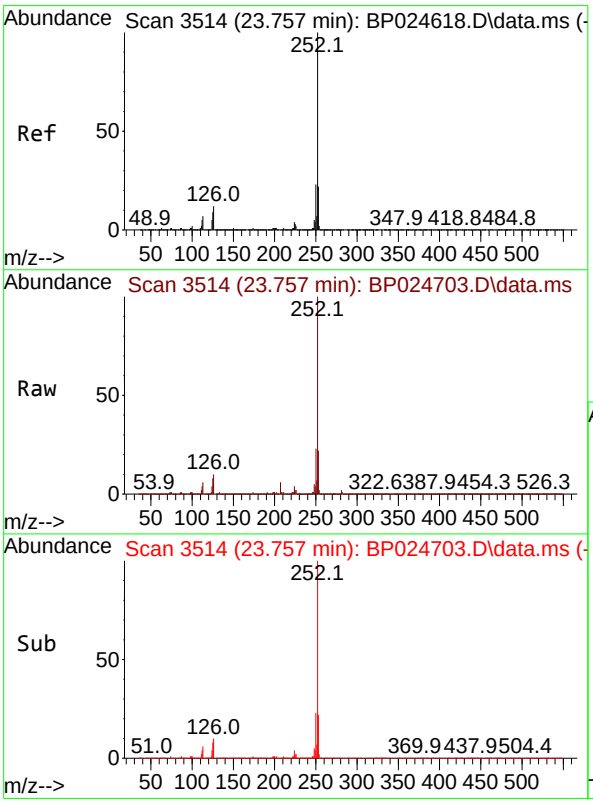

#87
Indeno(1,2,3-cd)pyrene
Concen: 38.903 ng
RT: 28.515 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:276 Resp: 2249969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.5 | 11.2 | 16.8# |
| 277 | 25.5 | 15.7 | 23.5# |

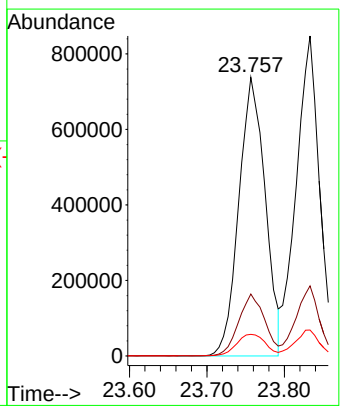


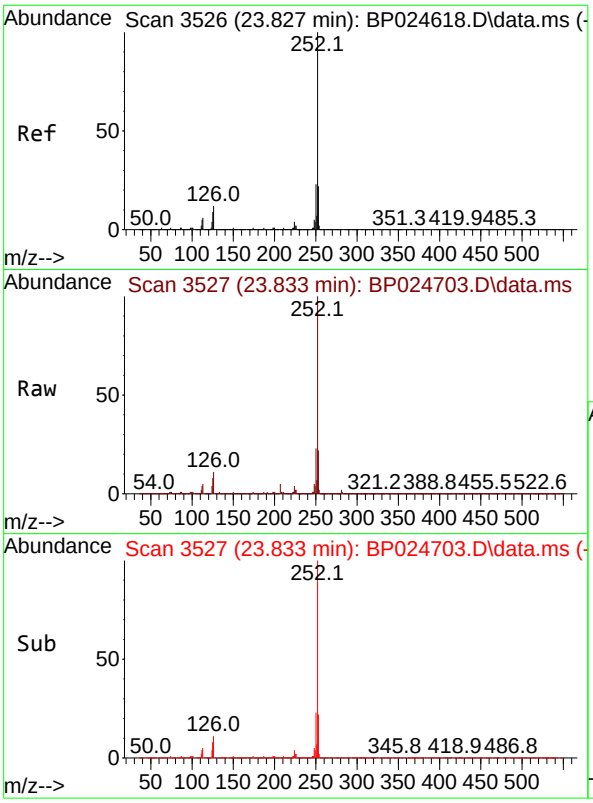




#88
Benzo(b)fluoranthene
Concen: 38.496 ng
RT: 23.757 min Scan# 3514
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:252 Resp: 1745599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.7 | 26.5 |
| 125 | 7.8 | 7.5 | 11.3 |



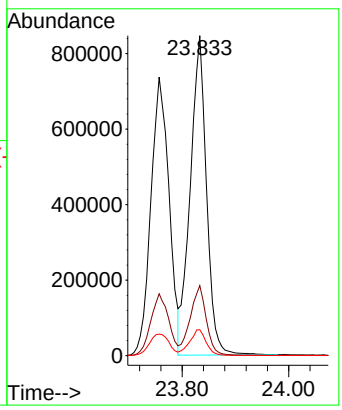


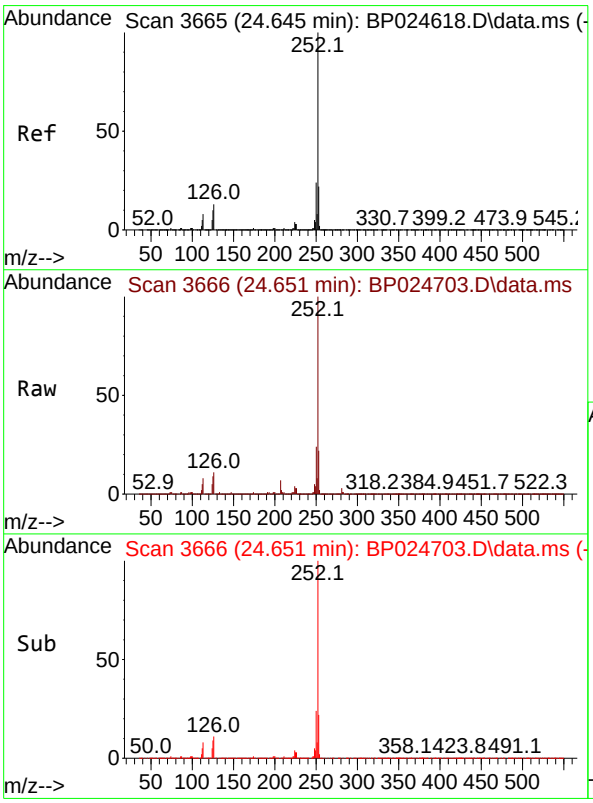

#89
Benzo(k)fluoranthene
Concen: 38.409 ng
RT: 23.833 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:252 Resp: 1794614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.6 | 26.4 |
| 125 | 8.1 | 7.0 | 10.4 |

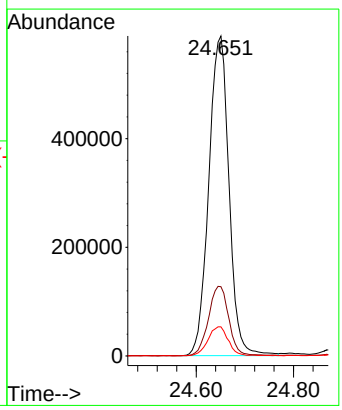


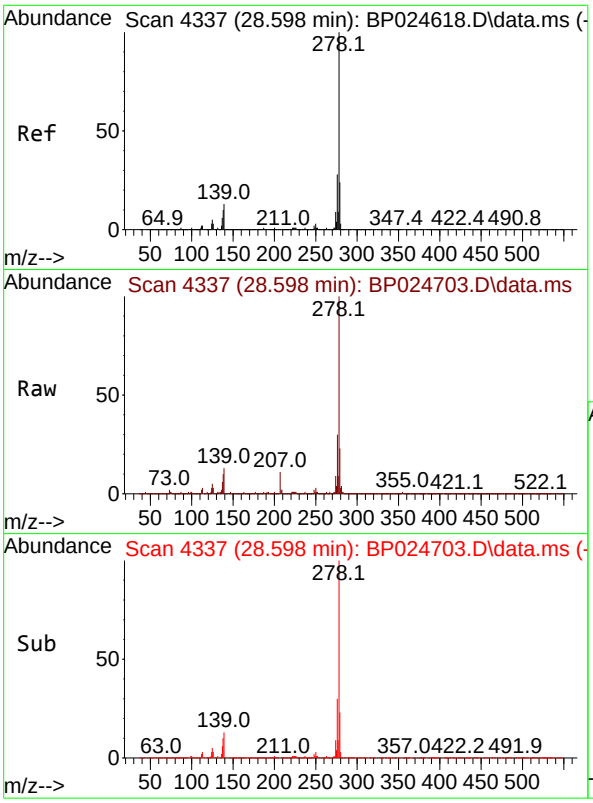




#90
Benzo(a)pyrene
Concen: 38.890 ng
RT: 24.651 min Scan# 3666
Delta R.T. 0.006 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:252 Resp: 1693647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.7 | 26.5 |
| 125 | 9.1 | 8.1 | 12.1 |



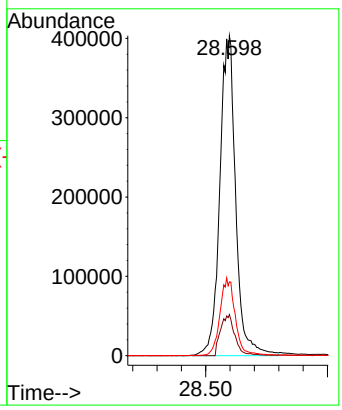


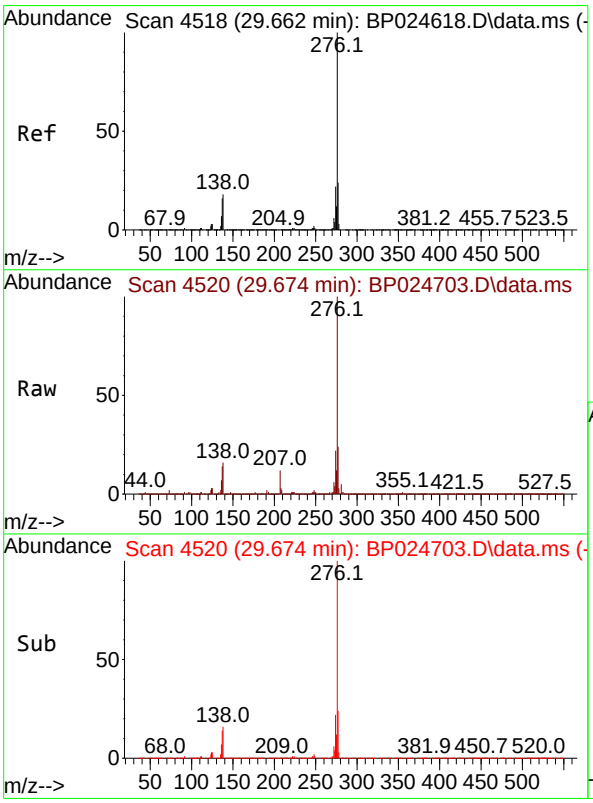

#91
Dibenzo(a,h)anthracene
Concen: 38.874 ng
RT: 28.598 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:278 Resp: 1829060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 12.8 | 10.2 | 15.4 |
| 279 | 23.0 | 19.0 | 28.4 |

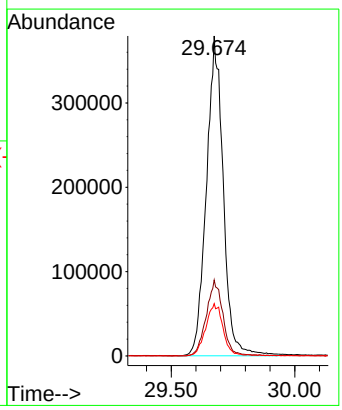



#92
Benzo(g,h,i)perylene
Concen: 38.222 ng
RT: 29.674 min Scan# 4520
Delta R.T. 0.012 min
Lab File: BP024703.D
Acq: 20 May 2025 11:52

Tgt Ion:276 Resp: 1788388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 19.0 | 28.4 |
| 138 | 16.3 | 14.4 | 21.6 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024703.D
Acq On : 20 May 2025 11:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: May 20 12:59:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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 | 102 | 0.00 |
| 2 | | 1,4-Dioxane | 0.549 | 0.490 | 10.7 | 99 | 0.00 |
| 3 | | Pyridine | 1.218 | 1.138 | 6.6 | 97 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.538 | 0.511 | 5.0 | 101 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.169 | 1.129 | 3.4 | 104 | 0.00 |
| 6 | | Aniline | 1.927 | 1.764 | 8.5 | 94 | 0.00 |
| 7 | S | Phenol-d6 | 1.492 | 1.410 | 5.5 | 98 | 0.00 |
| 8 | | 2-Chlorophenol | 1.327 | 1.280 | 3.5 | 100 | 0.00 |
| 9 | | Benzaldehyde | 0.966 | 0.885 | 8.4 | 95 | -0.01 |
| 10 | C | Phenol | 1.540 | 1.418 | 7.9 | 96 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.266 | 1.114 | 12.0 | 94 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.527 | 1.450 | 5.0 | 103 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.536 | 1.463 | 4.8 | 102 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.497 | 1.417 | 5.3 | 102 | 0.00 |
| 15 | | Benzyl Alcohol | 1.134 | 1.079 | 4.9 | 96 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.516 | 1.340 | 11.6 | 93 | 0.00 |
| 17 | | 2-Methylphenol | 1.105 | 1.022 | 7.5 | 95 | 0.00 |
| 18 | | Hexachloroethane | 0.589 | 0.545 | 7.5 | 101 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.032 | 0.915 | 11.3 | 89 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.503 | 1.381 | 8.1 | 93 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 22 | | Acetophenone | 0.500 | 0.472 | 5.6 | 91 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.396 | 0.375 | 5.3 | 92 | 0.00 |
| 24 | | Nitrobenzene | 0.348 | 0.330 | 5.2 | 91 | 0.00 |
| 25 | | Isophorone | 0.687 | 0.624 | 9.2 | 87 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.171 | 0.178 | -4.1 | 97 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.301 | 0.296 | 1.7 | 93 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.410 | 0.367 | 10.5 | 86 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.292 | 0.289 | 1.0 | 93 | 0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.329 | 0.327 | 0.6 | 100 | -0.01 |
| 31 | | Naphthalene | 1.036 | 0.995 | 4.0 | 95 | 0.00 |
| 32 | | Benzoic acid | 0.181 | 0.176 | 2.8 | 86 | 0.02 |
| 33 | | 4-Chloroaniline | 0.418 | 0.409 | 2.2 | 91 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.213 | 0.211 | 0.9 | 100 | 0.00 |
| 35 | | Caprolactam | 0.106 | 0.098 | 7.5 | 84 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.356 | 0.337 | 5.3 | 88 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.671 | 0.634 | 5.5 | 93 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.718 | 0.674 | 6.1 | 91 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 87 | -0.02 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.581 | 0.583 | -0.3 | 93 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.352 | 0.351 | 0.3 | 86 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.339 | 0.348 | -2.7 | 94 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.376 | 0.384 | -2.1 | 91 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.419 | 0.427 | -1.9 | 92 | 0.01 |
| 45 | S | 2-Fluorobiphenyl | 1.527 | 1.512 | 1.0 | 92 | -0.01 |
| 46 | | 1,1'-Biphenyl | 1.478 | 1.420 | 3.9 | 90 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.127 | 1.097 | 2.7 | 90 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024703.D
Acq On : 20 May 2025 11:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: May 20 12:59:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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 | 0.334 | 0.320 | 4.2 | 84 | -0.01 |
| 49 | | Acenaphthylene | 1.886 | 1.792 | 5.0 | 87 | -0.01 |
| 50 | | Dimethylphthalate | 1.524 | 1.412 | 7.3 | 85 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.322 | 0.312 | 3.1 | 87 | -0.01 |
| 52 | C | Acenaphthene | 1.084 | 1.035 | 4.5 | 88 | -0.01 |
| 53 | | 3-Nitroaniline | 0.329 | 0.315 | 4.3 | 81 | -0.01 |
| 54 | P | 2,4-Dinitrophenol | 0.169 | 0.160 | 5.3 | 81 | 0.00 |
| 55 | | Dibenzofuran | 1.730 | 1.654 | 4.4 | 89 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.250 | 0.320 | -28.0# | 109 | 0.03 |
| 57 | | 2,4-Dinitrotoluene | 0.454 | 0.441 | 2.9 | 85 | -0.01 |
| 58 | | Fluorene | 1.410 | 1.354 | 4.0 | 89 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.388 | 0.381 | 1.8 | 88 | 0.00 |
| 60 | | Diethylphthalate | 1.541 | 1.438 | 6.7 | 87 | -0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 0.703 | 0.679 | 3.4 | 91 | -0.01 |
| 62 | | 4-Nitroaniline | 0.317 | 0.299 | 5.7 | 79 | 0.00 |
| 63 | | Azobenzene | 1.318 | 1.188 | 9.9 | 83 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 86 | -0.02 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.129 | 0.128 | 0.8 | 86 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.614 | 0.596 | 2.9 | 87 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 0.236 | 0.238 | -0.8 | 91 | 0.00 |
| 68 | | Hexachlorobenzene | 0.299 | 0.299 | 0.0 | 92 | 0.00 |
| 69 | | Atrazine | 0.225 | 0.224 | 0.4 | 89 | -0.01 |
| 70 | C | Pentachlorophenol | 0.168 | 0.165 | 1.8 | 83 | 0.00 |
| 71 | | Phenanthrene | 1.112 | 1.065 | 4.2 | 88 | 0.00 |
| 72 | | Anthracene | 1.119 | 1.093 | 2.3 | 88 | 0.00 |
| 73 | | Carbazole | 1.012 | 0.966 | 4.5 | 83 | -0.01 |
| 74 | | Di-n-butylphthalate | 1.302 | 1.263 | 3.0 | 87 | -0.01 |
| 75 | C | Fluoranthene | 1.300 | 1.234 | 5.1 | 85 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 77 | | Benzidine | 0.545 | 0.534 | 2.0 | 80 | 0.00 |
| 78 | | Pyrene | 1.198 | 1.171 | 2.3 | 85 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.166 | 1.167 | -0.1 | 87 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.533 | 0.527 | 1.1 | 84 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.256 | 1.210 | 3.7 | 84 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 0.466 | 0.476 | -2.1 | 84 | 0.00 |
| 83 | | Chrysene | 1.190 | 1.135 | 4.6 | 84 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.783 | 0.764 | 2.4 | 84 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.281 | 1.290 | -0.7 | 85 | -0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.460 | 1.420 | 2.7 | 85 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.145 | 1.102 | 3.8 | 85 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.180 | 1.133 | 4.0 | 85 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.099 | 1.069 | 2.7 | 86 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.188 | 1.154 | 2.9 | 84 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.181 | 1.129 | 4.4 | 84 | 0.01 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024703.D
Acq On : 20 May 2025 11:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: May 20 12:59:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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_P\Data\BP052025\
Data File : BP024703.D
Acq On : 20 May 2025 11:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: May 20 12:59:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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 | 102 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 35.672 | 10.8 | 99 | 0.00 |
| 3 | | Pyridine | 40.000 | 37.400 | 6.5 | 97 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 37.995 | 5.0 | 101 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 77.239 | 3.5 | 104 | 0.00 |
| 6 | | Aniline | 40.000 | 36.614 | 8.5 | 94 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 75.586 | 5.5 | 98 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.571 | 3.6 | 100 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 36.642 | 8.4 | 95 | -0.01 |
| 10 | C | Phenol | 40.000 | 36.834 | 7.9 | 96 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 35.195 | 12.0 | 94 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 37.969 | 5.1 | 103 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.098 | 4.8 | 102 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 37.873 | 5.3 | 102 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 38.049 | 4.9 | 96 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 35.362 | 11.6 | 93 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 37.017 | 7.5 | 95 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 37.007 | 7.5 | 101 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 35.440 | 11.4 | 89 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 36.755 | 8.1 | 93 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 93 | 0.00 |
| 22 | | Acetophenone | 40.000 | 37.752 | 5.6 | 91 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 75.884 | 5.1 | 92 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 37.838 | 5.4 | 91 | 0.00 |
| 25 | | Isophorone | 40.000 | 36.360 | 9.1 | 87 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.786 | -4.5 | 97 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.314 | 1.7 | 93 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 35.782 | 10.5 | 86 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.583 | 1.0 | 93 | 0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.761 | 0.6 | 100 | -0.01 |
| 31 | | Naphthalene | 40.000 | 38.402 | 4.0 | 95 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 35.775 | 10.6 | 86 | 0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 39.100 | 2.2 | 91 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.725 | 0.7 | 100 | 0.00 |
| 35 | | Caprolactam | 40.000 | 37.303 | 6.7 | 84 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 37.939 | 5.2 | 88 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.810 | 5.5 | 93 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 37.519 | 6.2 | 91 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 87 | -0.02 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.169 | -0.4 | 93 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 39.860 | 0.4 | 86 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 82.116 | -2.6 | 94 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 40.826 | -2.1 | 91 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 40.832 | -2.1 | 92 | 0.01 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 79.243 | 0.9 | 92 | -0.01 |
| 46 | | 1,1'-Biphenyl | 40.000 | 38.417 | 4.0 | 90 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 38.930 | 2.7 | 90 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024703.D
Acq On : 20 May 2025 11:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: May 20 12:59:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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 | 38.400 | 4.0 | 84 | -0.01 |
| 49 | | Acenaphthylene | 40.000 | 38.009 | 5.0 | 87 | -0.01 |
| 50 | | Dimethylphthalate | 40.000 | 37.061 | 7.3 | 85 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 38.712 | 3.2 | 87 | -0.01 |
| 52 | C | Acenaphthene | 40.000 | 38.193 | 4.5 | 88 | -0.01 |
| 53 | | 3-Nitroaniline | 40.000 | 38.296 | 4.3 | 81 | -0.01 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 35.323 | 11.7 | 81 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 38.252 | 4.4 | 89 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 46.802 | -17.0 | 109 | 0.03 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 38.874 | 2.8 | 85 | -0.01 |
| 58 | | Fluorene | 40.000 | 38.395 | 4.0 | 89 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.256 | 1.9 | 88 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 37.342 | 6.6 | 87 | -0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 38.622 | 3.4 | 91 | -0.01 |
| 62 | | 4-Nitroaniline | 40.000 | 37.633 | 5.9 | 79 | 0.00 |
| 63 | | Azobenzene | 40.000 | 36.055 | 9.9 | 83 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 86 | -0.02 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 39.652 | 0.9 | 86 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 38.839 | 2.9 | 87 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 40.410 | -1.0 | 91 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 39.938 | 0.2 | 92 | 0.00 |
| 69 | | Atrazine | 40.000 | 39.750 | 0.6 | 89 | -0.01 |
| 70 | C | Pentachlorophenol | 40.000 | 39.278 | 1.8 | 83 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 38.323 | 4.2 | 88 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.076 | 2.3 | 88 | 0.00 |
| 73 | | Carbazole | 40.000 | 38.152 | 4.6 | 83 | -0.01 |
| 74 | | Di-n-butylphthalate | 40.000 | 38.795 | 3.0 | 87 | -0.01 |
| 75 | C | Fluoranthene | 40.000 | 37.992 | 5.0 | 85 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 84 | 0.00 |
| 77 | | Benzidine | 40.000 | 39.203 | 2.0 | 80 | 0.00 |
| 78 | | Pyrene | 40.000 | 39.077 | 2.3 | 85 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 80.045 | -0.1 | 87 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 39.544 | 1.1 | 84 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 38.539 | 3.7 | 84 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 40.800 | -2.0 | 84 | 0.00 |
| 83 | | Chrysene | 40.000 | 38.139 | 4.7 | 84 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.018 | 2.5 | 84 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 40.266 | -0.7 | 85 | -0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 85 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.903 | 2.7 | 85 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 38.496 | 3.8 | 85 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 38.409 | 4.0 | 85 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 38.890 | 2.8 | 86 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 38.874 | 2.8 | 84 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 38.222 | 4.4 | 84 | 0.01 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024703.D
Acq On : 20 May 2025 11:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: May 20 12:59:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG No.: Q2064

Instrument ID: BNA_P Calibration Date/Time: 05/20/2025 22:04

Lab File ID: BP024718.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 10:41 15:26

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Fluorophenol | 1.169 | 1.092 | | -6.6 | 50.0 |
| Benzaldehyde | 0.966 | 0.838 | | -13.3 | 50.0 |
| Phenol-d6 | 1.492 | 1.356 | | -9.1 | 50.0 |
| Phenol | 1.540 | 1.377 | | -10.6 | 50.0 |
| bis(2-Chloroethyl)ether | 1.266 | 1.083 | | -14.5 | 50.0 |
| 2-Chlorophenol | 1.327 | 1.268 | | -4.4 | 50.0 |
| 2-Methylphenol | 1.105 | 1.025 | | -7.2 | 50.0 |
| 2,2-oxybis(1-Chloropropane) | 1.516 | 1.280 | | -15.6 | 50.0 |
| Acetophenone | 0.500 | 0.457 | | -8.6 | 50.0 |
| 3+4-Methylphenols | 1.503 | 1.386 | | -7.8 | 50.0 |
| n-Nitroso-di-n-propylamine | 1.032 | 0.882 | 0.050 | -14.5 | 50.0 |
| Nitrobenzene-d5 | 0.396 | 0.354 | | -10.6 | 50.0 |
| Hexachloroethane | 0.589 | 0.534 | | -9.3 | 50.0 |
| Nitrobenzene | 0.348 | 0.305 | | -12.4 | 50.0 |
| Isophorone | 0.687 | 0.600 | | -12.7 | 50.0 |
| 2-Nitrophenol | 0.171 | 0.177 | | 3.5 | 50.0 |
| 2,4-Dimethylphenol | 0.301 | 0.290 | | -3.7 | 50.0 |
| bis(2-Chloroethoxy)methane | 0.410 | 0.351 | | -14.4 | 50.0 |
| 2,4-Dichlorophenol | 0.292 | 0.292 | | 0.0 | 50.0 |
| Naphthalene | 1.036 | 0.990 | | -4.4 | 50.0 |
| 4-Chloroaniline | 0.418 | 0.409 | | -2.2 | 50.0 |
| Hexachlorobutadiene | 0.213 | 0.212 | | -0.5 | 50.0 |
| Caprolactam | 0.106 | 0.103 | | -2.8 | 50.0 |
| 4-Chloro-3-methylphenol | 0.356 | 0.345 | | -3.1 | 50.0 |
| 2-Methylnaphthalene | 0.671 | 0.644 | | -4.0 | 50.0 |
| Hexachlorocyclopentadiene | 0.352 | 0.353 | 0.050 | 0.3 | 50.0 |
| 2,4,6-Trichlorophenol | 0.376 | 0.399 | | 6.1 | 50.0 |
| 2-Fluorobiphenyl | 1.527 | 1.493 | | -2.2 | 50.0 |
| 2,4,5-Trichlorophenol | 0.419 | 0.440 | | 5.0 | 50.0 |
| 1,1-Biphenyl | 1.478 | 1.442 | | -2.4 | 50.0 |
| 2-Chloronaphthalene | 1.127 | 1.121 | | -0.5 | 50.0 |
| 2-Nitroaniline | 0.334 | 0.327 | | -2.1 | 50.0 |
| Dimethylphthalate | 1.524 | 1.441 | | -5.4 | 50.0 |
| Acenaphthylene | 1.886 | 1.808 | | -4.1 | 50.0 |
| 2,6-Dinitrotoluene | 0.322 | 0.307 | | -4.7 | 50.0 |
| 3-Nitroaniline | 0.329 | 0.314 | | -4.6 | 50.0 |
| Acenaphthene | 1.084 | 1.038 | | -4.2 | 50.0 |
| 2,4-Dinitrophenol | 0.169 | 0.154 | 0.050 | -8.9 | 50.0 |
| 4-Nitrophenol | 0.250 | 0.339 | 0.050 | 35.6 | 50.0 |

Form VII SV-1

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: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG No.: Q2064

Instrument ID: BNA_P Calibration Date/Time: 05/20/2025 22:04

Lab File ID: BP024718.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 10:41 15:26

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dibenzofuran | 1.730 | 1.664 | | -3.8 | 50.0 |
| 2,4-Dinitrotoluene | 0.454 | 0.455 | | 0.2 | 50.0 |
| Diethylphthalate | 1.541 | 1.454 | | -5.6 | 50.0 |
| 4-Chlorophenyl-phenylether | 0.703 | 0.687 | | -2.3 | 50.0 |
| Fluorene | 1.410 | 1.366 | | -3.1 | 50.0 |
| 4-Nitroaniline | 0.317 | 0.313 | | -1.3 | 50.0 |
| 4,6-Dinitro-2-methylphenol | 0.129 | 0.126 | | -2.3 | 50.0 |
| n-Nitrosodiphenylamine | 0.614 | 0.608 | | -1.0 | 50.0 |
| 2,4,6-Tribromophenol | 0.339 | 0.363 | | 7.1 | 50.0 |
| 4-Bromophenyl-phenylether | 0.236 | 0.239 | | 1.3 | 50.0 |
| Hexachlorobenzene | 0.299 | 0.304 | | 1.7 | 50.0 |
| Atrazine | 0.225 | 0.226 | | 0.4 | 50.0 |
| Pentachlorophenol | 0.168 | 0.252 | | 50.0 | 50.0 |
| Phenanthrene | 1.112 | 1.068 | | -4.0 | 50.0 |
| Anthracene | 1.119 | 1.103 | | -1.4 | 50.0 |
| Carbazole | 1.012 | 0.988 | | -2.4 | 50.0 |
| Di-n-butylphthalate | 1.302 | 1.289 | | -1.0 | 50.0 |
| Fluoranthene | 1.300 | 1.253 | | -3.6 | 50.0 |
| Pyrene | 1.198 | 1.170 | | -2.3 | 50.0 |
| Terphenyl-d14 | 1.166 | 1.166 | | 0.0 | 50.0 |
| Butylbenzylphthalate | 0.533 | 0.540 | | 1.3 | 50.0 |
| 3,3-Dichlorobenzidine | 0.466 | 0.494 | | 6.0 | 50.0 |
| Benzo(a)anthracene | 1.256 | 1.204 | | -4.1 | 50.0 |
| Chrysene | 1.190 | 1.133 | | -4.8 | 50.0 |
| Bis(2-ethylhexyl)phthalate | 0.783 | 0.781 | | -0.3 | 50.0 |
| Di-n-octyl phthalate | 1.281 | 1.349 | | 5.3 | 50.0 |
| Benzo(b)fluoranthene | 1.145 | 1.086 | | -5.2 | 50.0 |
| Benzo(k)fluoranthene | 1.180 | 1.096 | | -7.1 | 50.0 |
| Benzo(a)pyrene | 1.099 | 1.047 | | -4.7 | 50.0 |
| Indeno(1,2,3-cd)pyrene | 1.460 | 1.407 | | -3.6 | 50.0 |
| Dibenzo(a,h)anthracene | 1.188 | 1.146 | | -3.5 | 50.0 |
| Benzo(g,h,i)perylene | 1.181 | 1.125 | | -4.7 | 50.0 |
| 1,2,4,5-Tetrachlorobenzene | 0.581 | 0.572 | | -1.5 | 50.0 |
| 1,4-Dioxane | 0.549 | 0.467 | | -14.9 | 50.0 |
| 2,3,4,6-Tetrachlorophenol | 0.388 | 0.398 | | 2.6 | 50.0 |

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024718.D
Acq On : 20 May 2025 22:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Quant Time: May 21 01:27:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.658 | 152 | 110566 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.422 | 136 | 466131 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10 | 14.281 | 164 | 307619 | 20.000 | ng | -0.02 |
| 64) Phenanthrene-d10 | 17.086 | 188 | 604437 | 20.000 | ng | -0.01 |
| 76) Chrysene-d12 | 21.510 | 240 | 676763 | 20.000 | ng | -0.01 |
| 86) Perylene-d12 | 24.798 | 264 | 806749 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.287 | 112 | 483118 | 74.735 | ng | 0.00 |
| 7) Phenol-d6 | 6.858 | 99 | 599583 | 72.673 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.805 | 82 | 660558 | 71.601 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.810 | 330 | 446232 | 85.567 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 12.893 | 172 | 1837081 | 78.240 | ng | -0.01 |
| 79) Terphenyl-d14 | 19.810 | 244 | 3157658 | 80.005 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.223 | 88 | 103257 | 34.016 | ng | 98 |
| 3) Pyridine | 3.617 | 79 | 230947 | 34.312 | ng | 93 |
| 4) n-Nitrosodimethylamine | 3.528 | 42 | 104163 | 35.054 | ng | 93 |
| 6) Aniline | 6.993 | 93 | 377517 | 35.441 | ng | 99 |
| 8) 2-Chlorophenol | 7.234 | 128 | 280291 | 38.194 | ng | 97 |
| 9) Benzaldehyde | 6.811 | 77 | 185370 | 34.708 | ng | 98 |
| 10) Phenol | 6.881 | 94 | 304450 | 35.753 | ng | 97 |
| 11) bis(2-Chloroethyl)ether | 7.087 | 93 | 239419 | 34.217 | ng | 97 |
| 12) 1,3-Dichlorobenzene | 7.546 | 146 | 317636 | 37.621 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 7.687 | 146 | 321355 | 37.843 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 7.999 | 146 | 312018 | 37.708 | ng | 98 |
| 15) Benzyl Alcohol | 7.905 | 79 | 230799 | 36.812 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.169 | 45 | 283120 | 33.787 | ng | 99 |
| 17) 2-Methylphenol | 8.111 | 107 | 226637 | 37.108 | ng | 98 |
| 18) Hexachloroethane | 8.716 | 117 | 118020 | 36.268 | ng | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.452 | 70 | 194970 | 34.163 | ng | 96 |
| 20) 3+4-Methylphenols | 8.440 | 107 | 306454 | 36.887 | ng | 99 |
| 22) Acetophenone | 8.469 | 105 | 425773 | 36.567 | ng | 99 |
| 24) Nitrobenzene | 8.846 | 77 | 283935 | 34.974 | ng | 94 |
| 25) Isophorone | 9.369 | 82 | 559210 | 34.945 | ng | 96 |
| 26) 2-Nitrophenol | 9.546 | 139 | 165233 | 41.534 | ng | 98 |
| 27) 2,4-Dimethylphenol | 9.622 | 122 | 270045 | 38.501 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 9.840 | 93 | 327325 | 34.237 | ng | 97 |
| 29) 2,4-Dichlorophenol | 10.099 | 162 | 272454 | 40.085 | ng | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.287 | 180 | 299985 | 39.166 | ng | 97 |
| 31) Naphthalene | 10.469 | 128 | 922608 | 38.195 | ng | 100 |
| 32) Benzoic acid | 9.787 | 122 | 163060 | 35.667 | ng | 93 |
| 33) 4-Chloroaniline | 10.593 | 127 | 381633 | 39.153 | ng | 98 |
| 34) Hexachlorobutadiene | 10.752 | 225 | 198098 | 39.924 | ng | 98 |
| 35) Caprolactam | 11.393 | 113 | 96266 | 39.146 | ng | 94 |
| 36) 4-Chloro-3-methylphenol | 11.734 | 107 | 321821 | 38.826 | ng | 98 |
| 37) 2-Methylnaphthalene | 12.081 | 142 | 600646 | 38.402 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.304 | 142 | 642025 | 38.364 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.457 | 216 | 352005 | 39.405 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 12.434 | 237 | 217156 | 40.091 | ng | 97 |
| 43) 2,4,6-Trichlorophenol | 12.716 | 196 | 245643 | 42.455 | ng | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024718.D
Acq On : 20 May 2025 22:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Quant Time: May 21 01:27:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

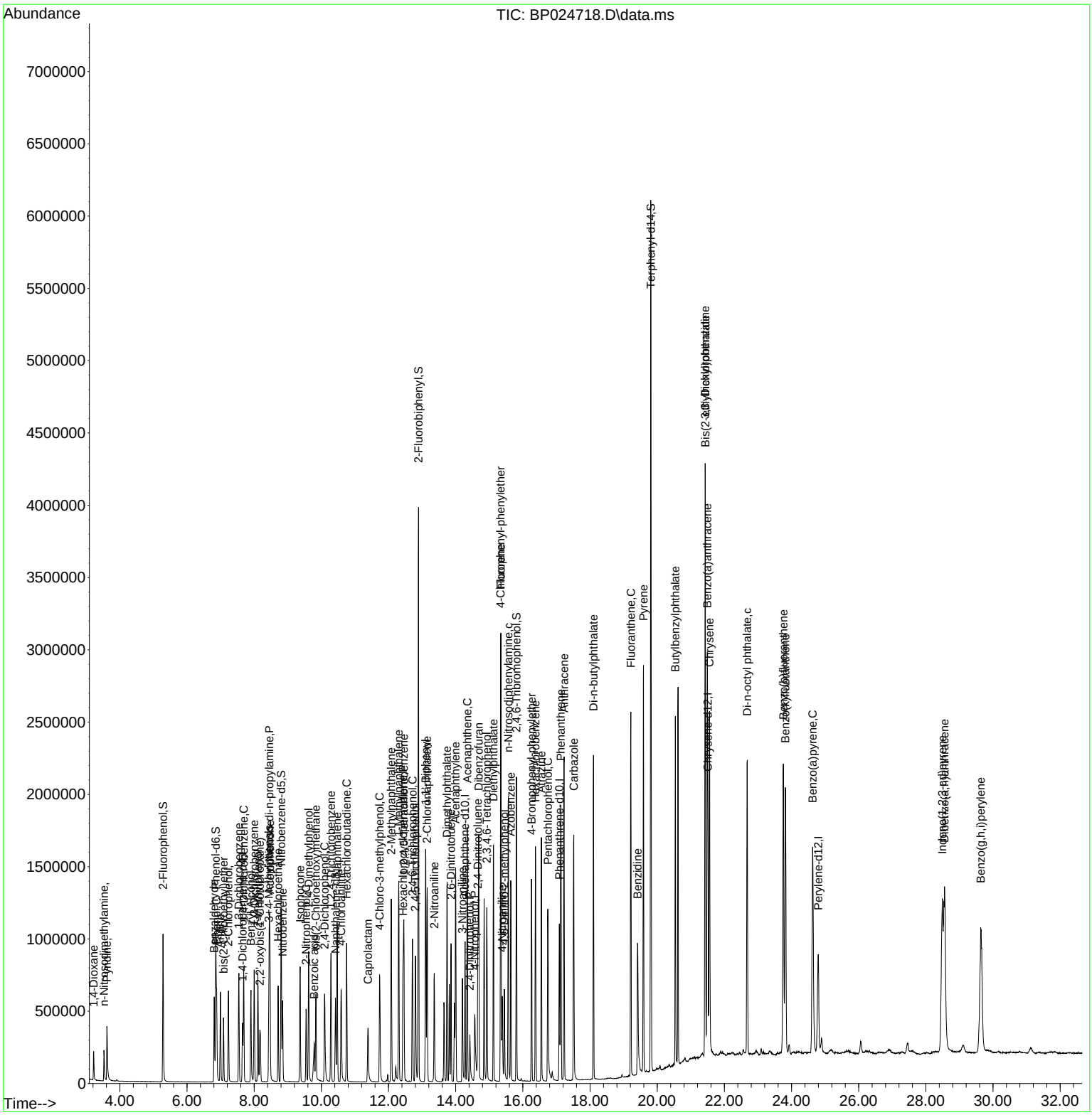
| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 12.798 | 196 | 270471 | 41.995 | ng | | 97 |
| 46) | 1,1'-Biphenyl | 13.104 | 154 | 887407 | 39.030 | ng | | 99 |
| 47) | 2-Chloronaphthalene | 13.151 | 162 | 689395 | 39.767 | ng | | 99 |
| 48) | 2-Nitroaniline | 13.363 | 65 | 201432 | 39.247 | ng | | 97 |
| 49) | Acenaphthylene | 13.998 | 152 | 1112406 | 38.344 | ng | | 100 |
| 50) | Dimethylphthalate | 13.745 | 163 | 886318 | 37.801 | ng | | 100 |
| 51) | 2,6-Dinitrotoluene | 13.863 | 165 | 189104 | 38.189 | ng | | 98 |
| 52) | Acenaphthene | 14.345 | 154 | 638458 | 38.281 | ng | | 100 |
| 53) | 3-Nitroaniline | 14.198 | 138 | 193051 | 38.181 | ng | | 99 |
| 54) | 2,4-Dinitrophenol | 14.422 | 184 | 94621 | 34.279 | ng | | 97 |
| 55) | Dibenzofuran | 14.687 | 168 | 1023680 | 38.480 | ng | | 100 |
| 56) | 4-Nitrophenol | 14.569 | 139 | 208380 | 49.318 | ng | | 94 |
| 57) | 2,4-Dinitrotoluene | 14.663 | 165 | 280073 | 40.118 | ng | | 98 |
| 58) | Fluorene | 15.345 | 166 | 840603 | 38.752 | ng | | 99 |
| 59) | 2,3,4,6-Tetrachlorophenol | 14.928 | 232 | 244897 | 40.990 | ng | | 95 |
| 60) | Diethylphthalate | 15.128 | 149 | 894699 | 37.754 | ng | | 98 |
| 61) | 4-Chlorophenyl-phenyle... | 15.340 | 204 | 422424 | 39.049 | ng | | 100 |
| 62) | 4-Nitroaniline | 15.387 | 138 | 192740 | 39.479 | ng | | 98 |
| 63) | Azobenzene | 15.640 | 77 | 726922 | 35.857 | ng | | 96 |
| 65) | 4,6-Dinitro-2-methylph... | 15.451 | 198 | 151755 | 38.869 | ng | | 98 |
| 66) | n-Nitrosodiphenylamine | 15.569 | 169 | 734714 | 39.573 | ng | | 98 |
| 67) | 4-Bromophenyl-phenylether | 16.257 | 248 | 289391 | 40.631 | ng | | 98 |
| 68) | Hexachlorobenzene | 16.375 | 284 | 367323 | 40.587 | ng | | 98 |
| 69) | Atrazine | 16.551 | 200 | 273779 | 40.239 | ng | | 99 |
| 70) | Pentachlorophenol | 16.745 | 266 | 305048 | 60.045 | ng | | 98 |
| 71) | Phenanthrene | 17.134 | 178 | 1290635 | 38.410 | ng | | 100 |
| 72) | Anthracene | 17.228 | 178 | 1333010 | 39.430 | ng | | 100 |
| 73) | Carbazole | 17.516 | 167 | 1194415 | 39.035 | ng | | 100 |
| 74) | Di-n-butylphthalate | 18.104 | 149 | 1558306 | 39.599 | ng | | 100 |
| 75) | Fluoranthene | 19.216 | 202 | 1514175 | 38.550 | ng | | 99 |
| 77) | Benzidine | 19.416 | 184 | 755105 | 40.966 | ng | | 99 |
| 78) | Pyrene | 19.592 | 202 | 1583011 | 39.038 | ng | | 99 |
| 80) | Butylbenzylphthalate | 20.539 | 149 | 730821 | 40.524 | ng | | 94 |
| 81) | Benzo(a)anthracene | 21.492 | 228 | 1629224 | 38.339 | ng | | 100 |
| 82) | 3,3'-Dichlorobenzidine | 21.427 | 252 | 669047 | 42.389 | ng | | 100 |
| 83) | Chrysene | 21.557 | 228 | 1533150 | 38.059 | ng | | 100 |
| 84) | Bis(2-ethylhexyl)phtha... | 21.433 | 149 | 1057445 | 39.893 | ng | | 99 |
| 85) | Di-n-octyl phthalate | 22.680 | 149 | 1826217 | 42.130 | ng | | 99 |
| 87) | Indeno(1,2,3-cd)pyrene | 28.492 | 276 | 2269964 | 38.541 | ng | # | 92 |
| 88) | Benzo(b)fluoranthene | 23.757 | 252 | 1752739 | 37.957 | ng | | 99 |
| 89) | Benzo(k)fluoranthene | 23.816 | 252 | 1768100 | 37.159 | ng | | 99 |
| 90) | Benzo(a)pyrene | 24.627 | 252 | 1689563 | 38.097 | ng | | 99 |
| 91) | Dibenzo(a,h)anthracene | 28.556 | 278 | 1849039 | 38.590 | ng | | 99 |
| 92) | Benzo(g,h,i)perylene | 29.633 | 276 | 1814930 | 38.090 | ng | | 97 |

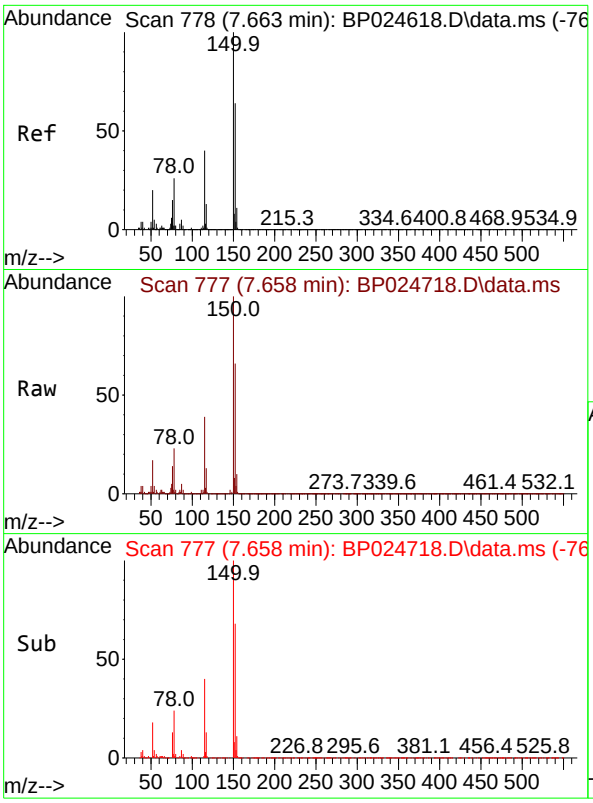
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024718.D
Acq On : 20 May 2025 22:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Quant Time: May 21 01:27:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



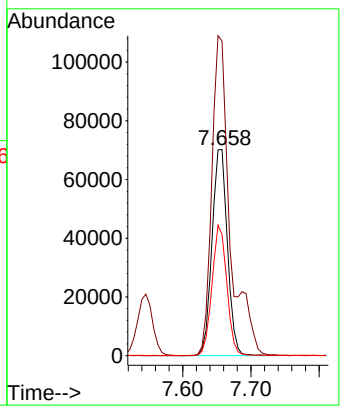


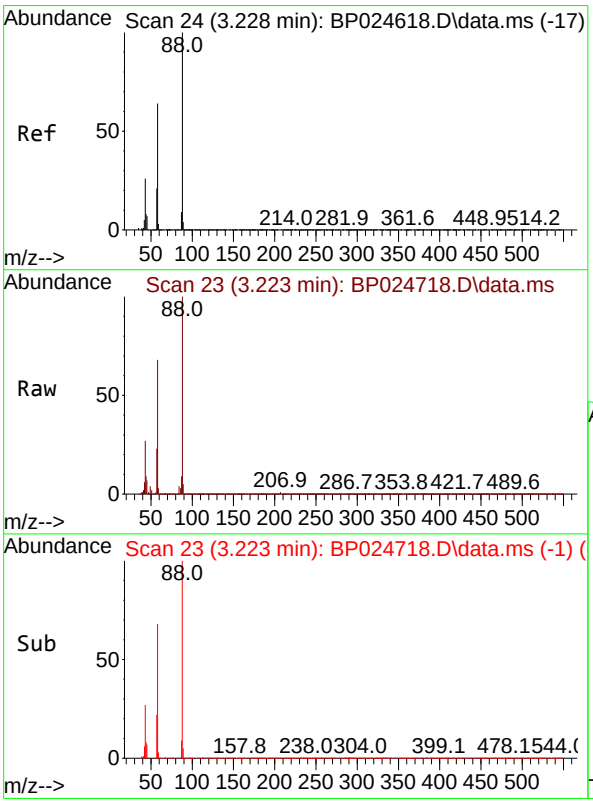

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.658 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:152 Resp: 110566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 152.5 | 125.9 | 188.9 |
| 115 | 58.8 | 50.1 | 75.1 |

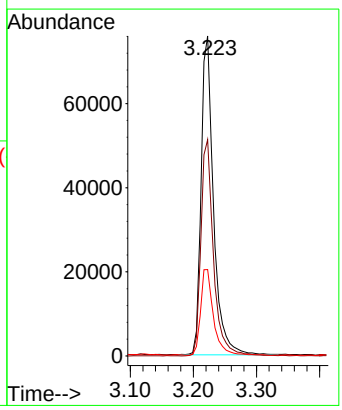


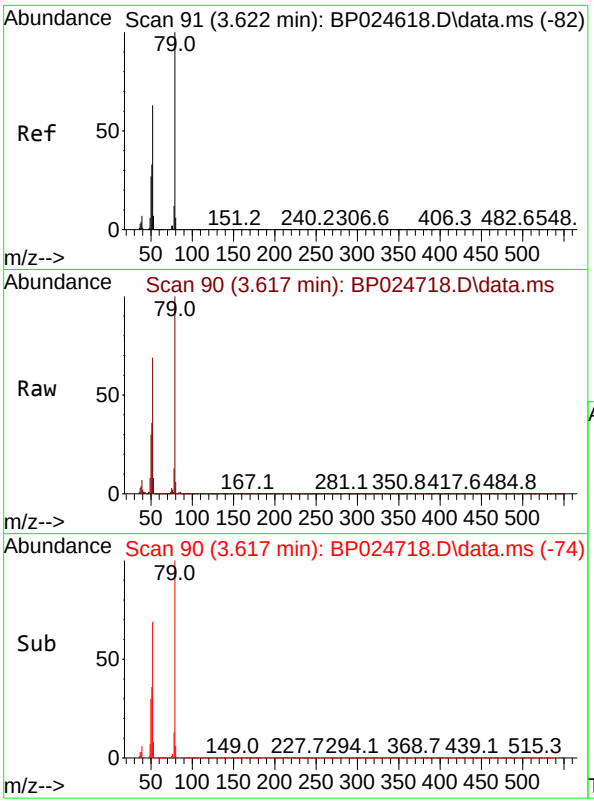




#2
1,4-Dioxane
Concen: 34.016 ng
RT: 3.223 min Scan# 23
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion: 88 Resp: 103257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 68.7 | 54.0 | 81.0 |
| 43 | 28.0 | 21.4 | 32.0 |



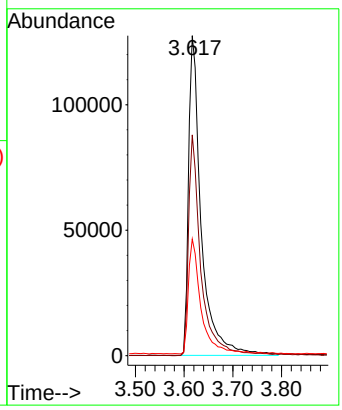


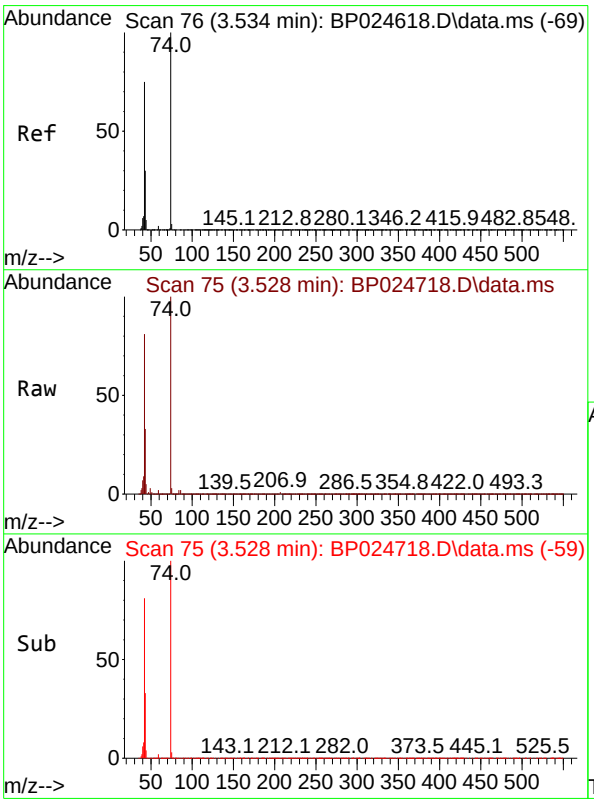

#3
Pyridine
Concen: 34.312 ng
RT: 3.617 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 79 Resp: 230947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 69.0 | 50.2 | 75.2 |
| 51 | 36.4 | 26.8 | 40.2 |

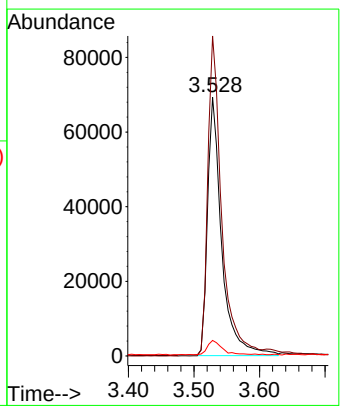


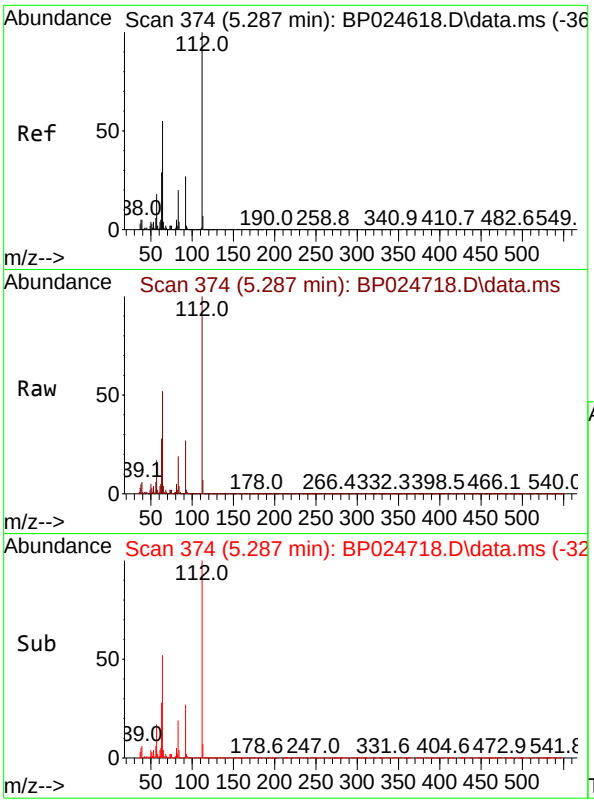




#4
n-Nitrosodimethylamine
Concen: 35.054 ng
RT: 3.528 min Scan# 75
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion: 42 Resp: 104163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 123.7 | 106.2 | 159.2 |
| 44 | 6.0 | 5.4 | 8.2 |



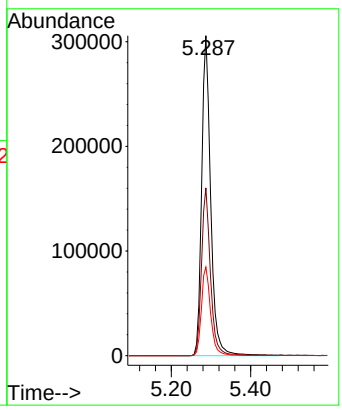


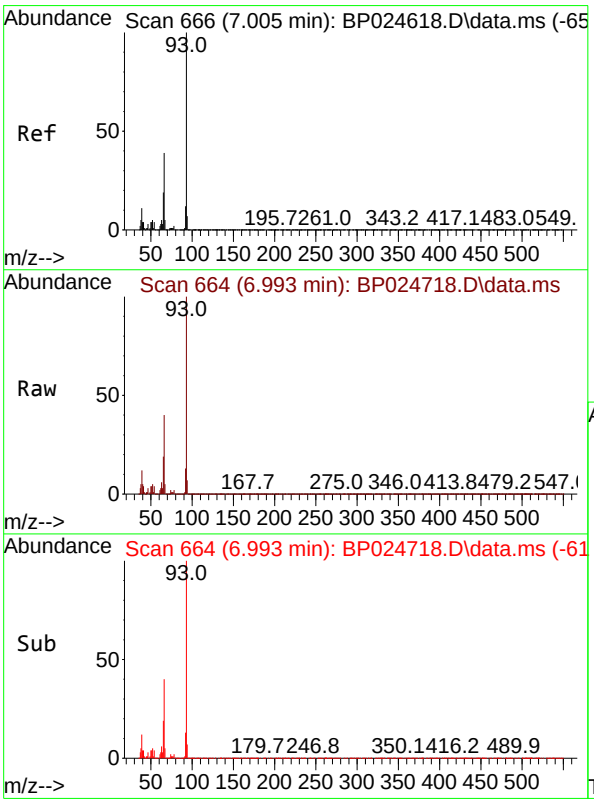

#5
2-Fluorophenol
Concen: 74.735 ng
RT: 5.287 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:112 Resp: 483118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.4 | 44.1 | 66.1 |
| 63 | 27.7 | 23.5 | 35.3 |

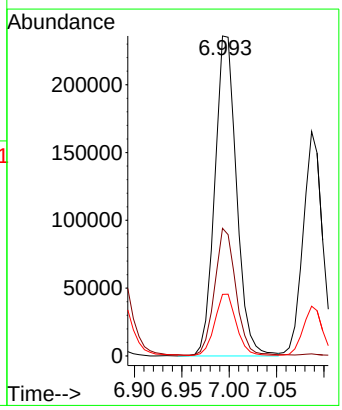


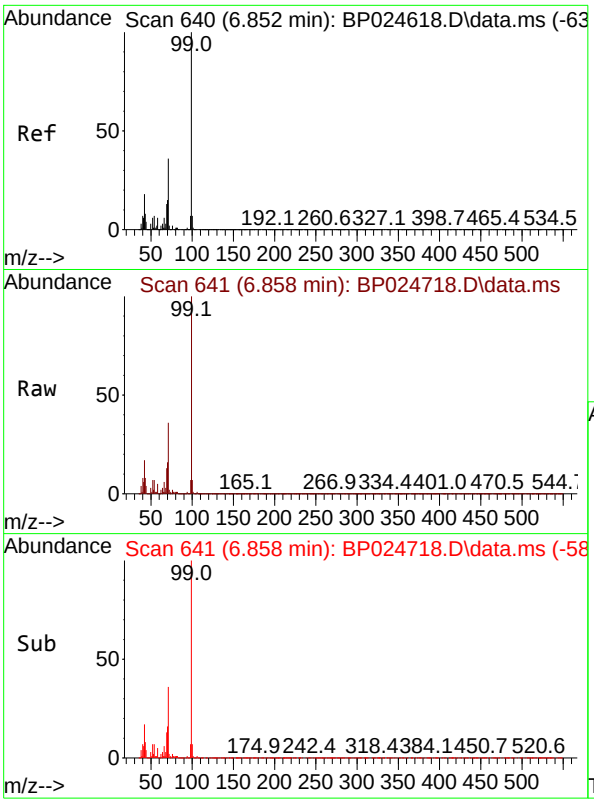




#6
Aniline
Concen: 35.441 ng
RT: 6.993 min Scan# 664
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion: 93 Resp: 377517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.9 | 31.0 | 46.6 |
| 65 | 19.2 | 15.5 | 23.3 |



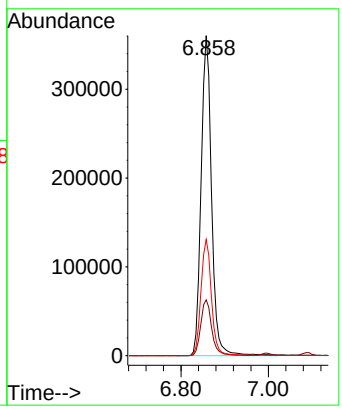


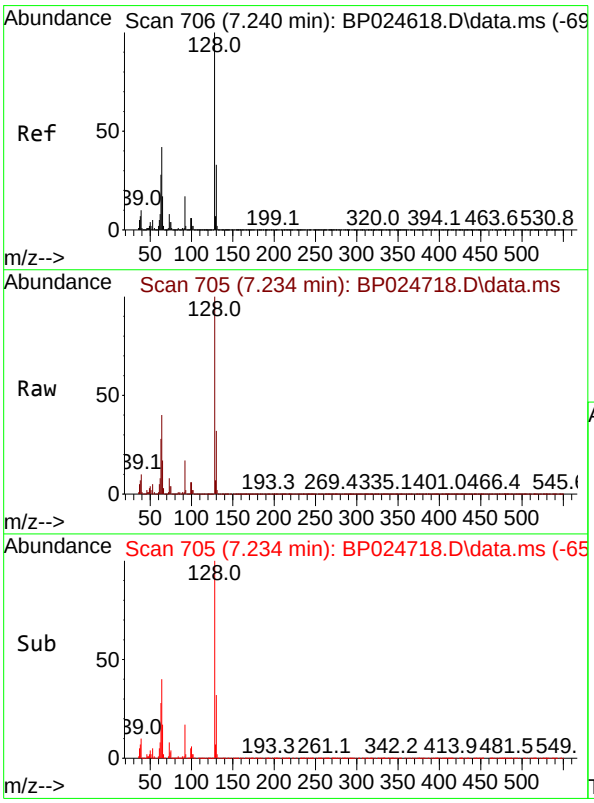

#7
Phenol-d6
Concen: 72.673 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 99 Resp: 599583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.4 | 14.4 | 21.6 |
| 71 | 36.3 | 29.2 | 43.8 |

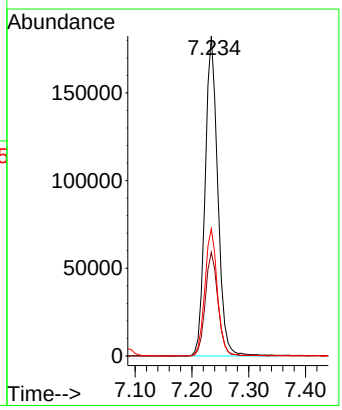


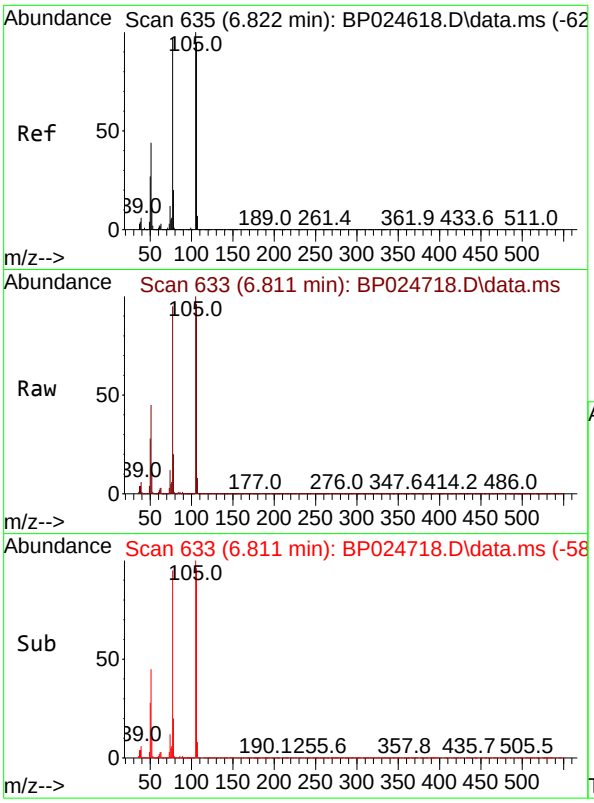




#8
2-Chlorophenol
Concen: 38.194 ng
RT: 7.234 min Scan# 705
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:128 Resp: 280291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.4 | 13.0 | 53.0 |
| 64 | 39.8 | 22.3 | 62.3 |



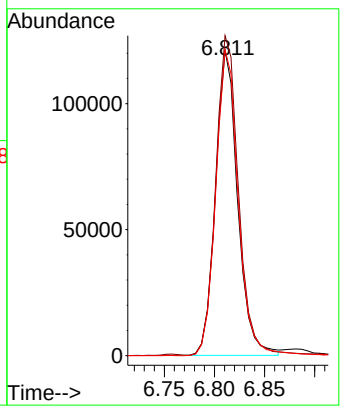


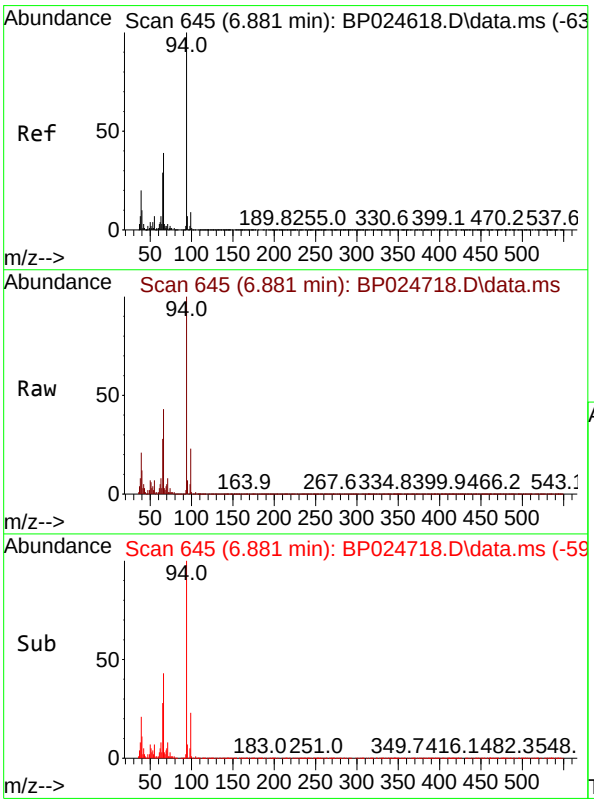

#9
Benzaldehyde
Concen: 34.708 ng
RT: 6.811 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 77 Resp: 185370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 104.9 | 83.3 | 123.3 |
| 106 | 100.3 | 78.0 | 118.0 |

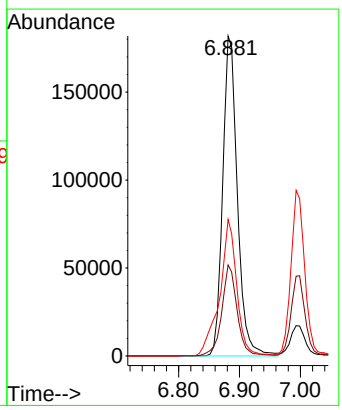


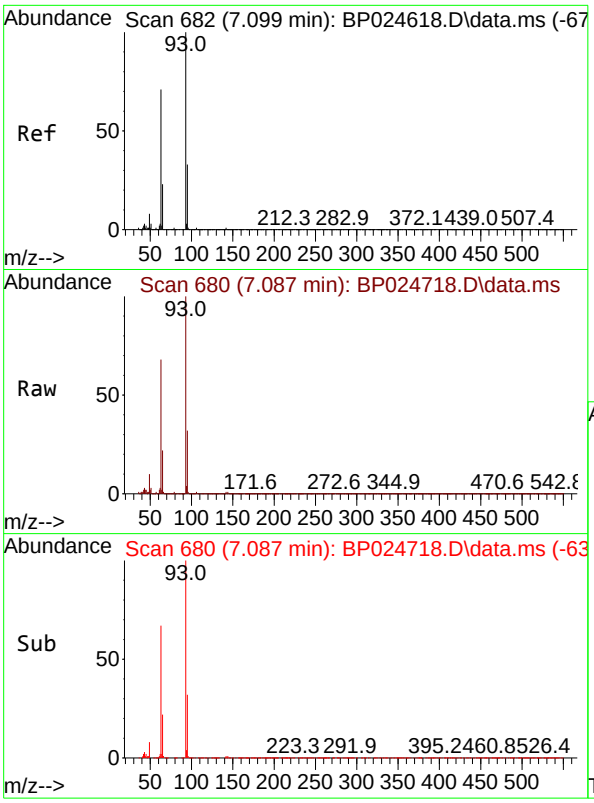




#10
Phenol
Concen: 35.753 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion: 94 Resp: 304450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.4 | 8.7 | 48.7 |
| 66 | 42.6 | 19.4 | 59.4 |



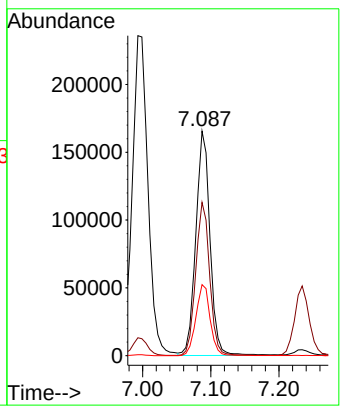


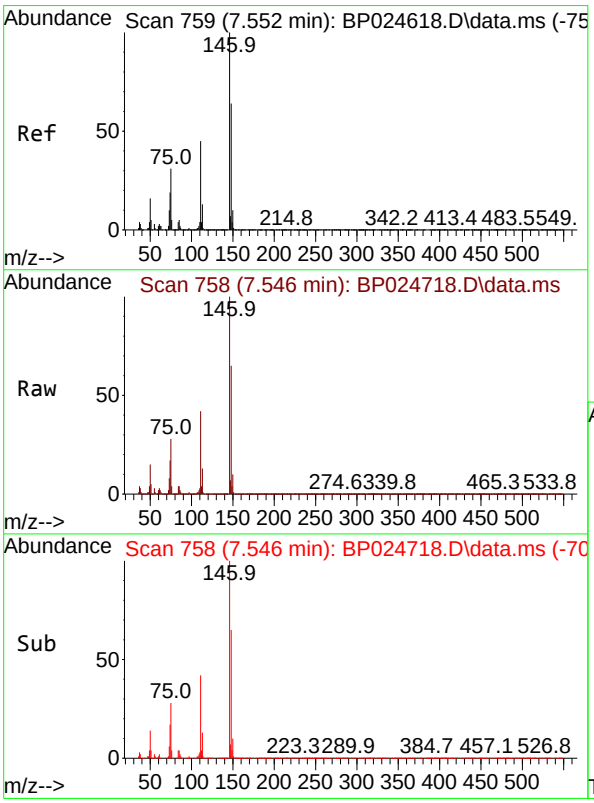

#11
bis(2-Chloroethyl)ether
Concen: 34.217 ng
RT: 7.087 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 93 Resp: 239419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 68.3 | 50.6 | 90.6 |
| 95 | 31.6 | 12.9 | 52.9 |

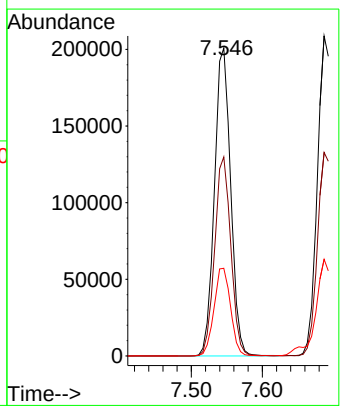


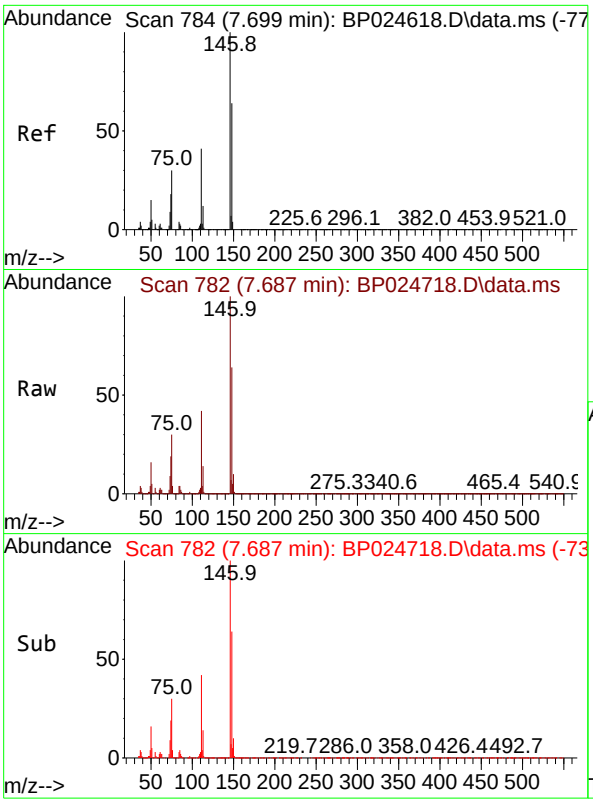




#12
1,3-Dichlorobenzene
Concen: 37.621 ng
RT: 7.546 min Scan# 758
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:146 Resp: 317636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.6 | 51.4 | 77.2 |
| 75 | 28.5 | 25.2 | 37.8 |



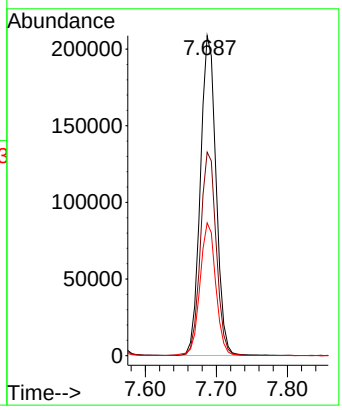


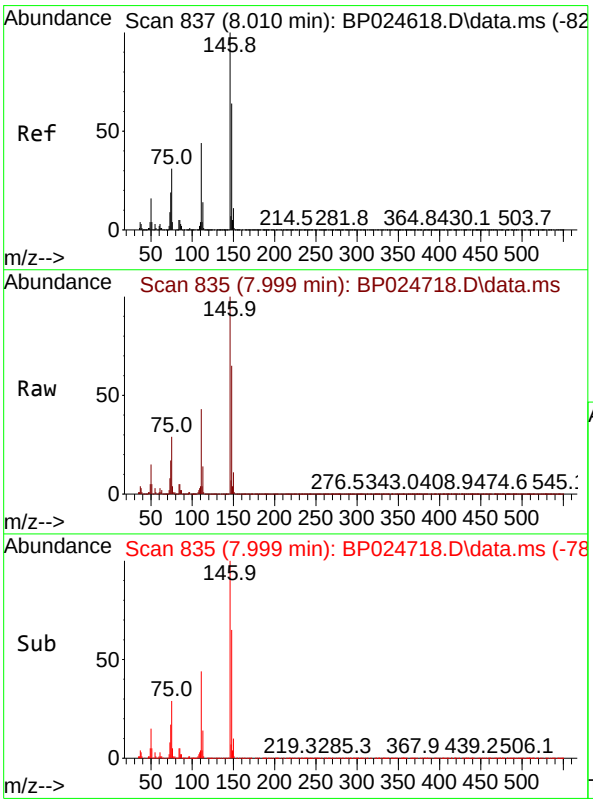

#13
1,4-Dichlorobenzene
Concen: 37.843 ng
RT: 7.687 min Scan# 7
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:146 Resp: 321355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.6 | 51.0 | 76.6 |
| 111 | 41.5 | 33.0 | 49.6 |

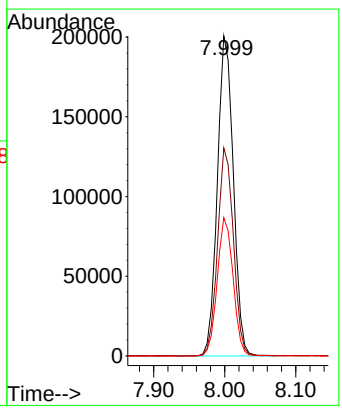


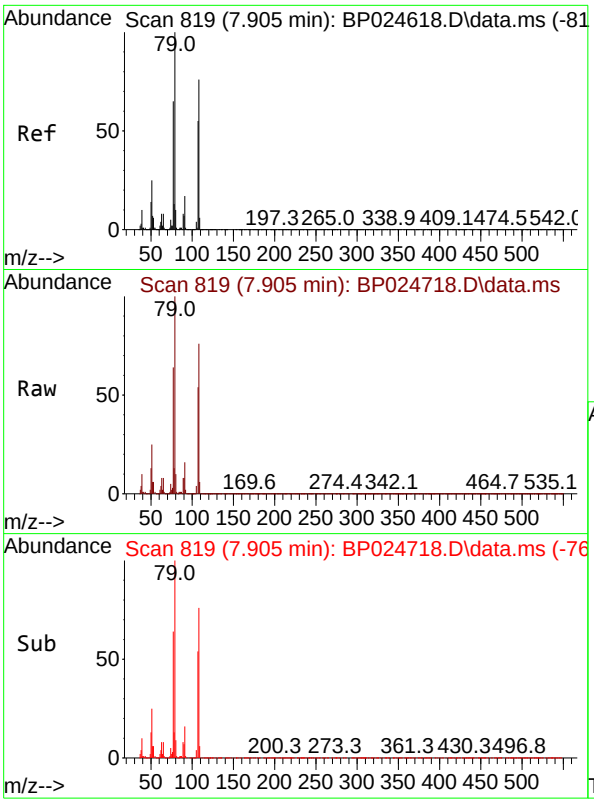




#14
1,2-Dichlorobenzene
Concen: 37.708 ng
RT: 7.999 min Scan# 835
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:146 Resp: 312018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.0 | 51.0 | 76.4 |
| 111 | 43.2 | 35.2 | 52.8 |



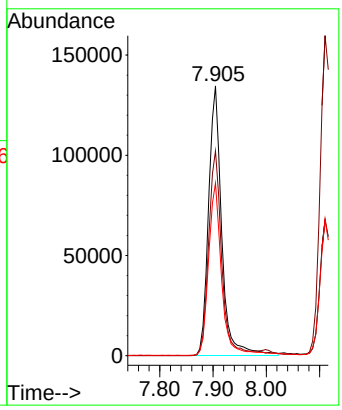


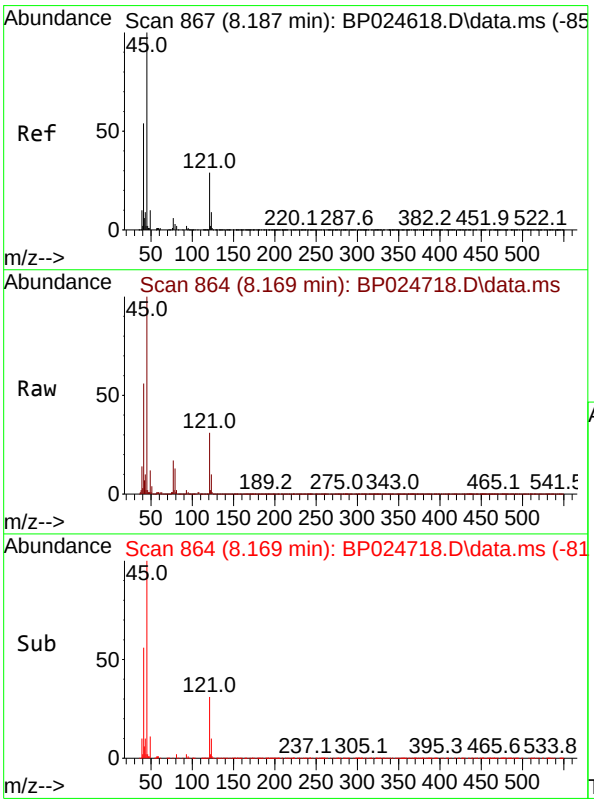

#15
Benzyl Alcohol
Concen: 36.812 ng
RT: 7.905 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 79 Resp: 230799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 75.9 | 60.8 | 91.2 |
| 77 | 63.9 | 51.9 | 77.9 |

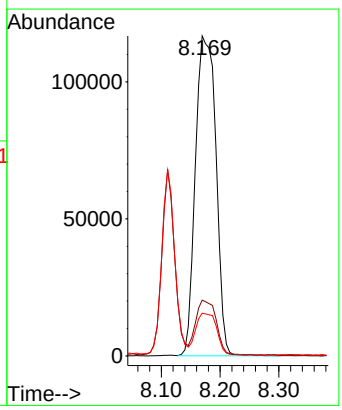


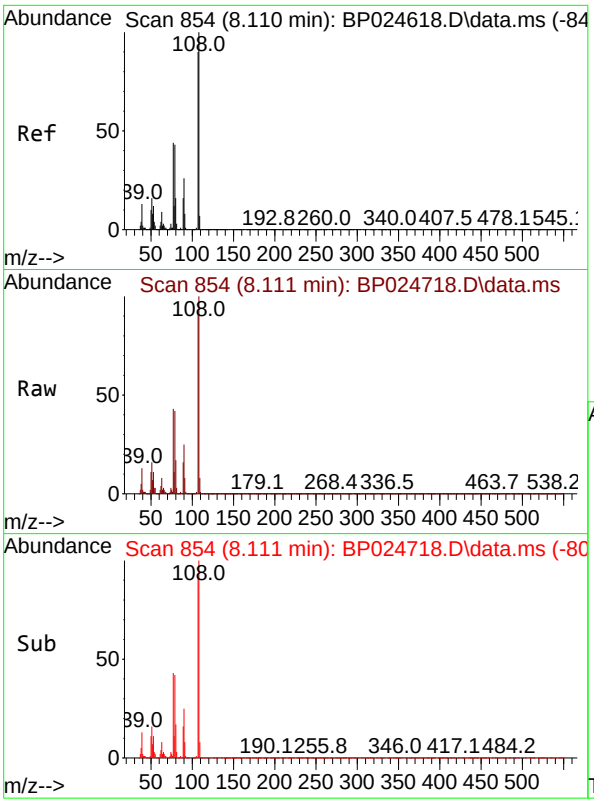




#16
2,2'-oxybis(1-Chloropropane)
Concen: 33.787 ng
RT: 8.169 min Scan# 864
Delta R.T. -0.018 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion: 45 Resp: 283120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 17.5 | 0.0 | 37.7 |
| 79 | 13.4 | 0.0 | 34.0 |



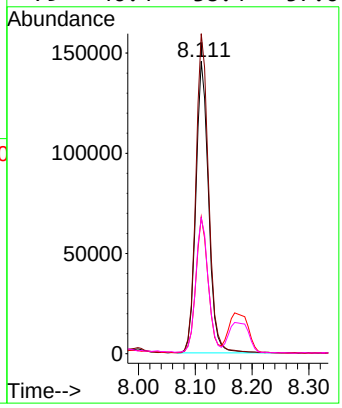


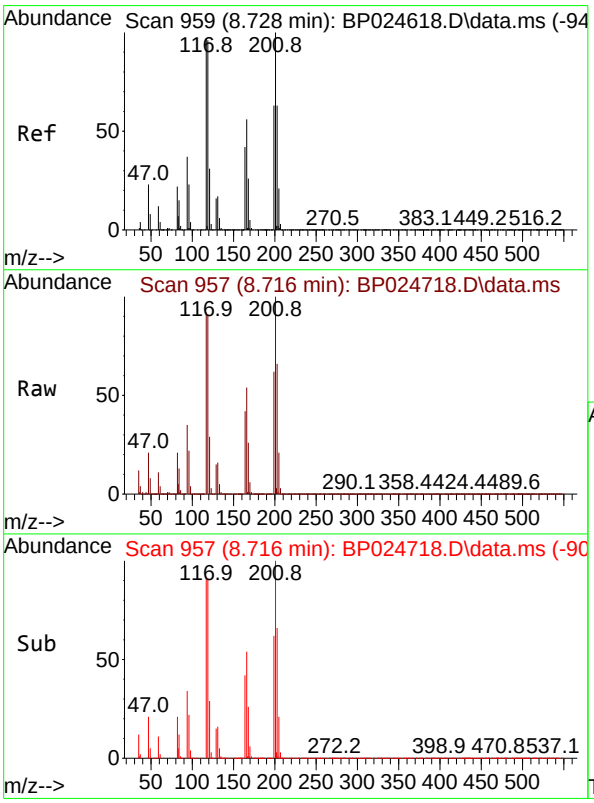

#17
2-Methylphenol
Concen: 37.108 ng
RT: 8.111 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:107 Resp: 226637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 109.5 | 88.9 | 133.3 |
| 77 | 46.8 | 39.0 | 58.6 |
| 79 | 46.4 | 38.4 | 57.6 |

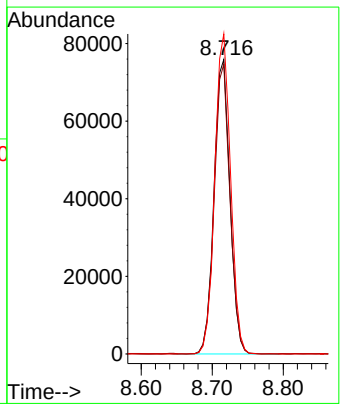


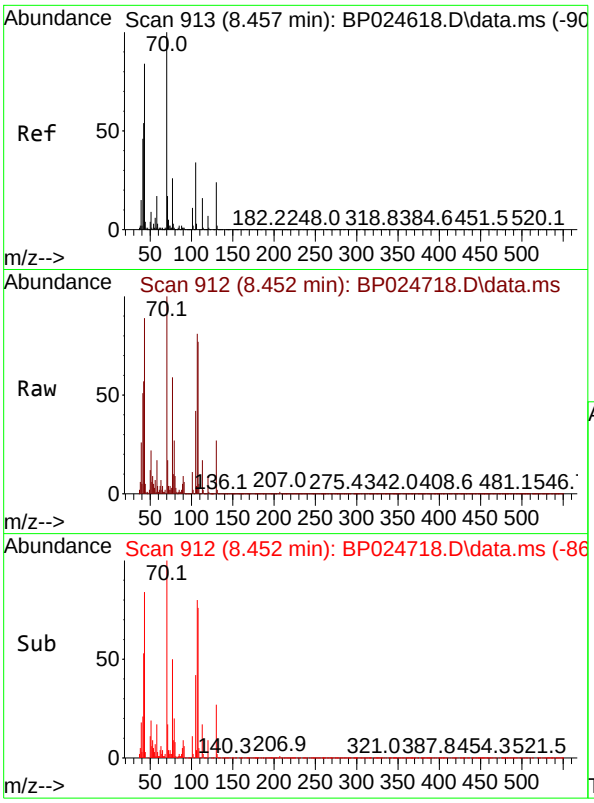




#18
Hexachloroethane
Concen: 36.268 ng
RT: 8.716 min Scan# 957
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:117 Resp: 118020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 98.4 | 79.4 | 119.0 |
| 201 | 108.7 | 82.7 | 124.1 |



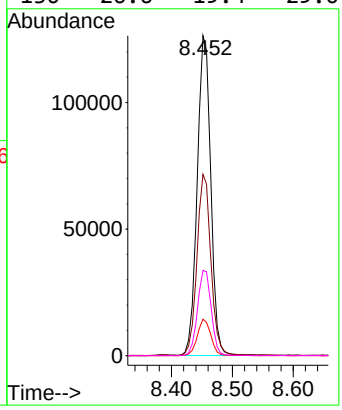


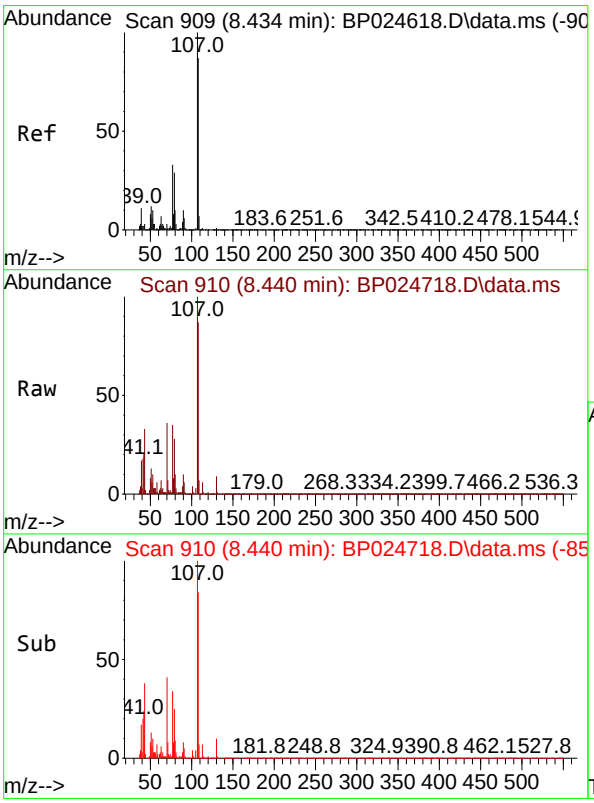

#19
n-Nitroso-di-n-propylamine
Concen: 34.163 ng
RT: 8.452 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 70 Resp: 194970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 56.7 | 43.0 | 64.6 |
| 101 | 11.4 | 8.7 | 13.1 |
| 130 | 26.6 | 19.4 | 29.0 |

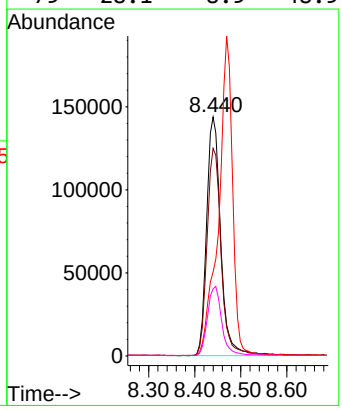


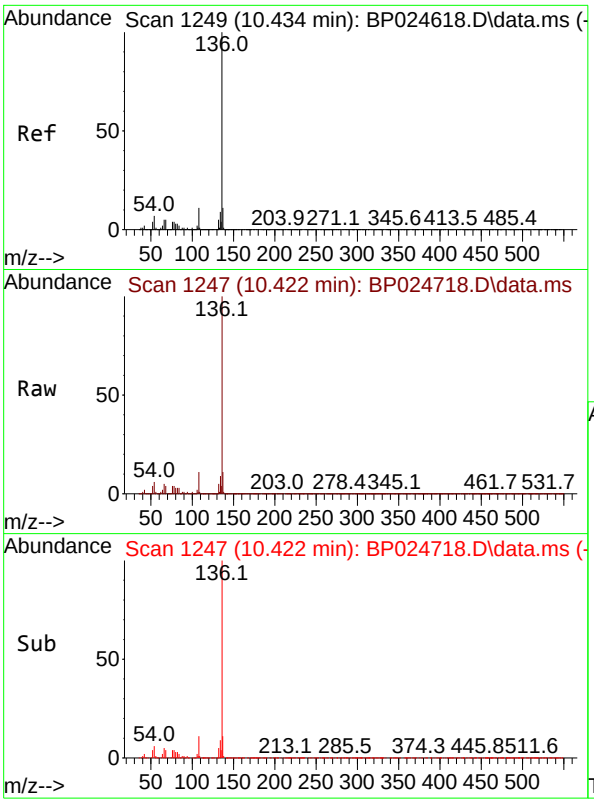




#20
3+4-Methylphenols
Concen: 36.887 ng
RT: 8.440 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:107 Resp: 306454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 86.8 | 66.7 | 106.7 |
| 77 | 35.2 | 13.1 | 53.1 |
| 79 | 28.1 | 8.9 | 48.9 |



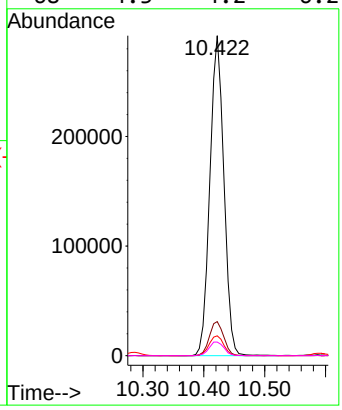


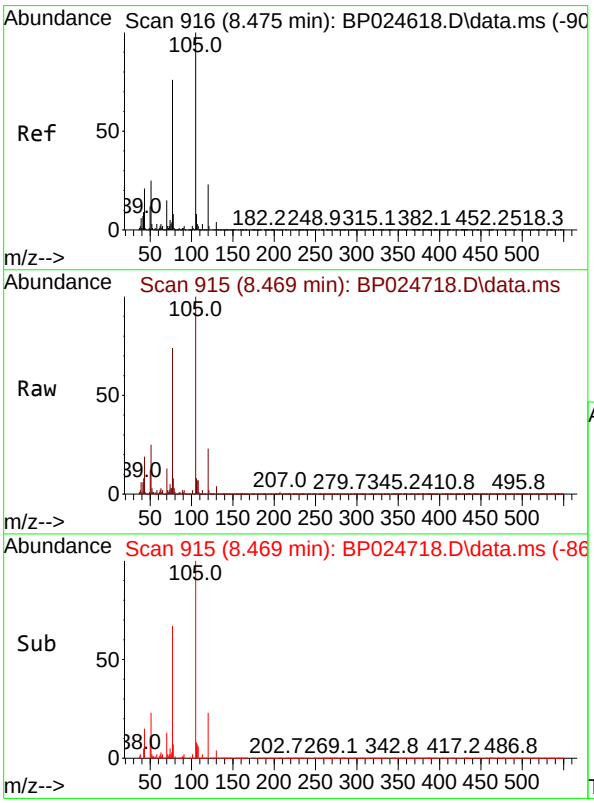

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:136 Resp: 466131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.8 | 13.2 |
| 54 | 6.2 | 5.5 | 8.3 |
| 68 | 4.3 | 4.2 | 6.2 |

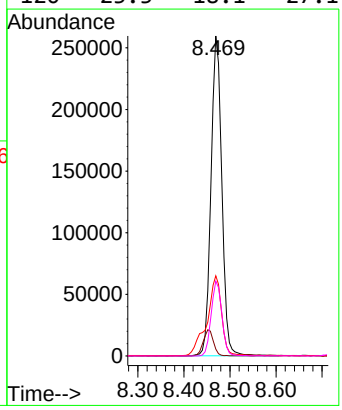


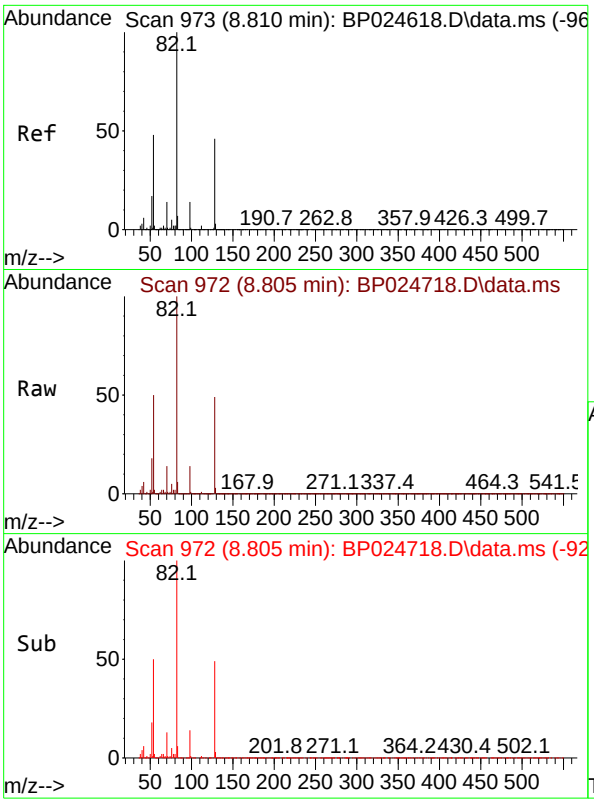




#22
Acetophenone
Concen: 36.567 ng
RT: 8.469 min Scan# 915
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:105 Resp: 425773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 2.1 | 2.0 | 3.0 |
| 51 | 25.0 | 20.4 | 30.6 |
| 120 | 23.3 | 18.1 | 27.1 |



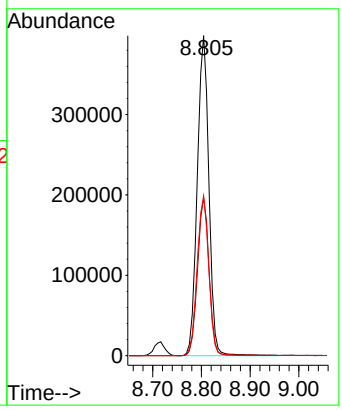


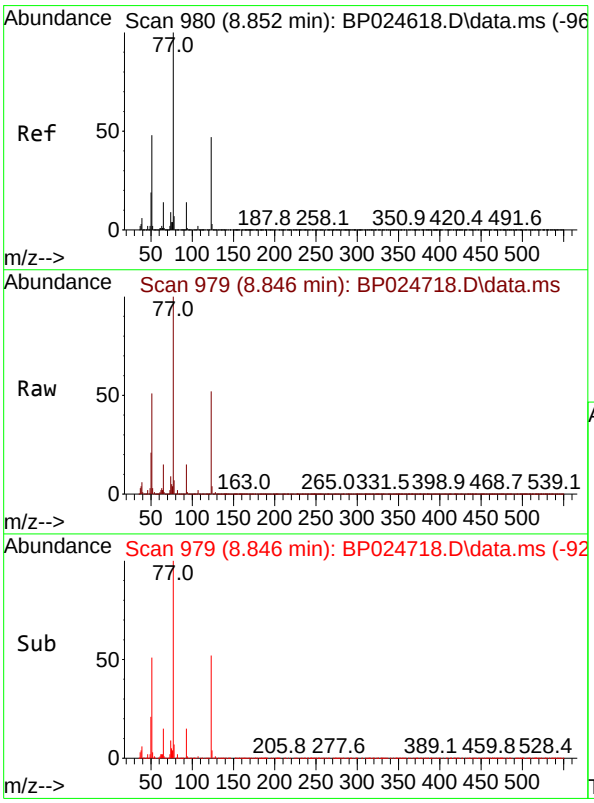

#23
Nitrobenzene-d5
Concen: 71.601 ng
RT: 8.805 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 82 Resp: 660558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 49.3 | 37.0 | 55.4 |
| 54 | 49.9 | 38.7 | 58.1 |

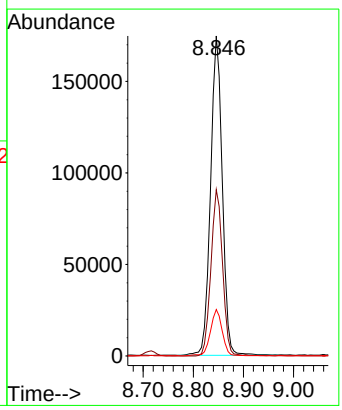


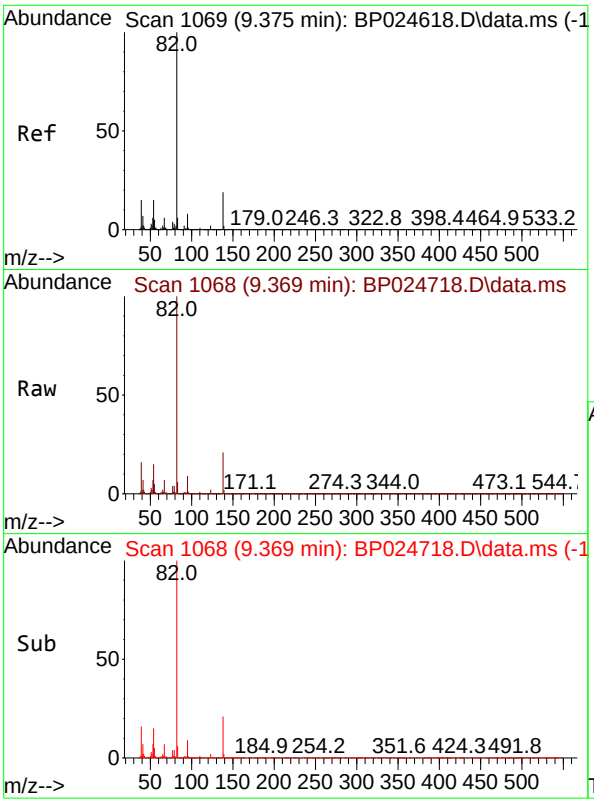




#24
Nitrobenzene
Concen: 34.974 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion: 77 Resp: 283935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 52.0 | 37.4 | 56.0 |
| 65 | 14.5 | 11.3 | 16.9 |



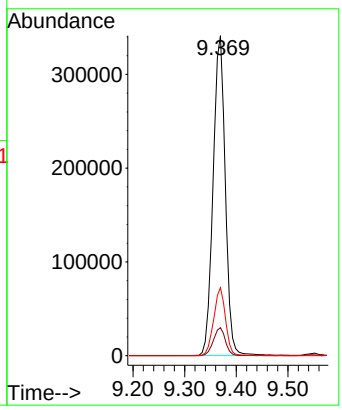


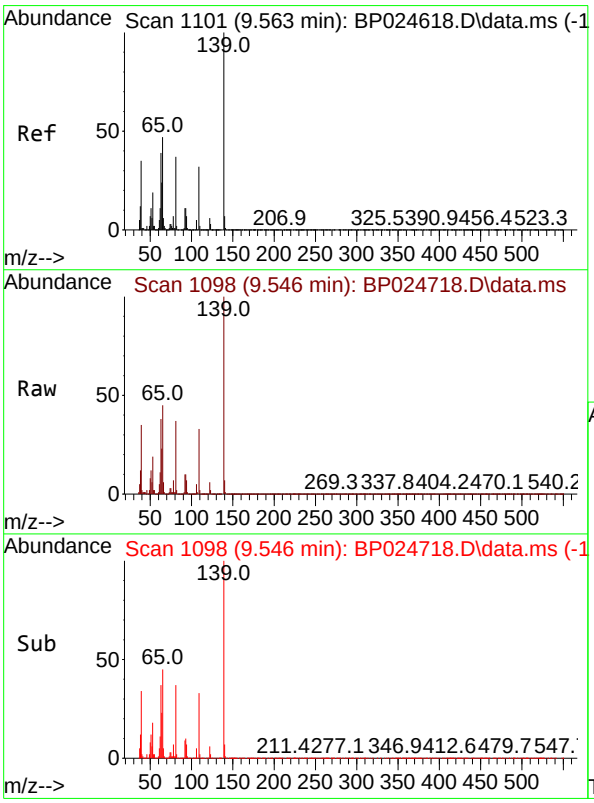

#25
Isophorone
Concen: 34.945 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 82 Resp: 559210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.8 | 6.3 | 9.5 |
| 138 | 21.2 | 15.3 | 22.9 |

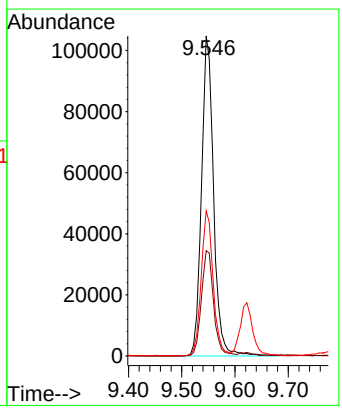


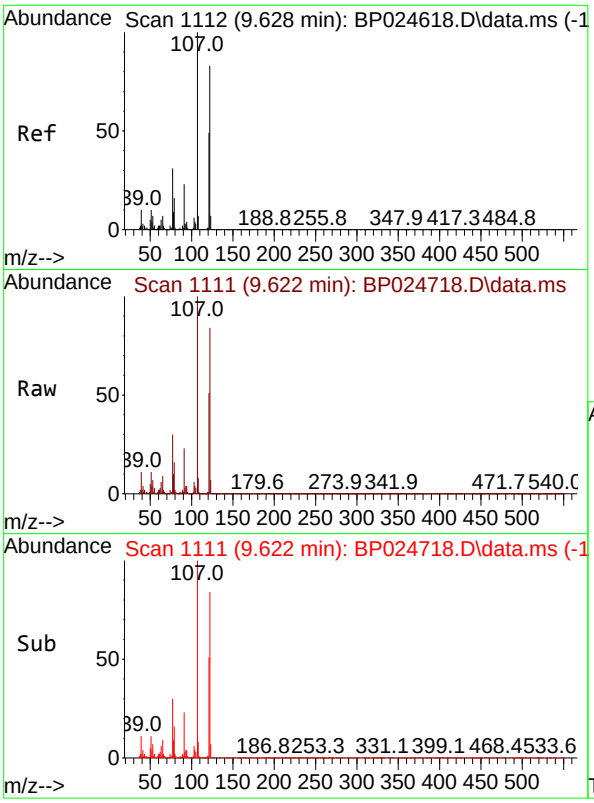




#26
2-Nitrophenol
Concen: 41.534 ng
RT: 9.546 min Scan# 1098
Delta R.T. -0.018 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:139 Resp: 165233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.9 | 25.9 | 38.9 |
| 65 | 45.3 | 37.9 | 56.9 |



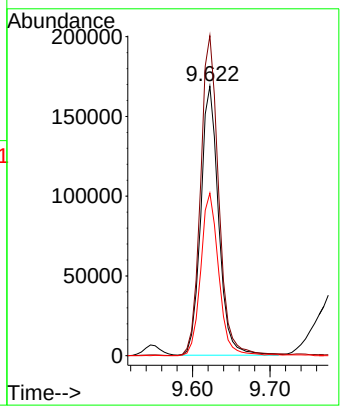


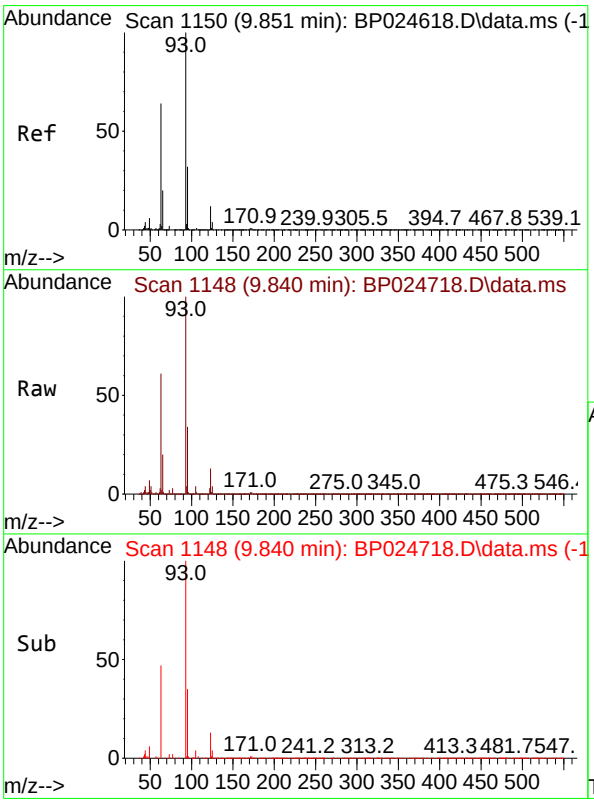

#27
2,4-Dimethylphenol
Concen: 38.501 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:122 Resp: 270045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 118.8 | 96.2 | 144.2 |
| 121 | 60.4 | 47.6 | 71.4 |

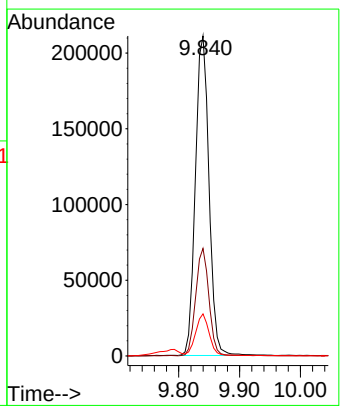


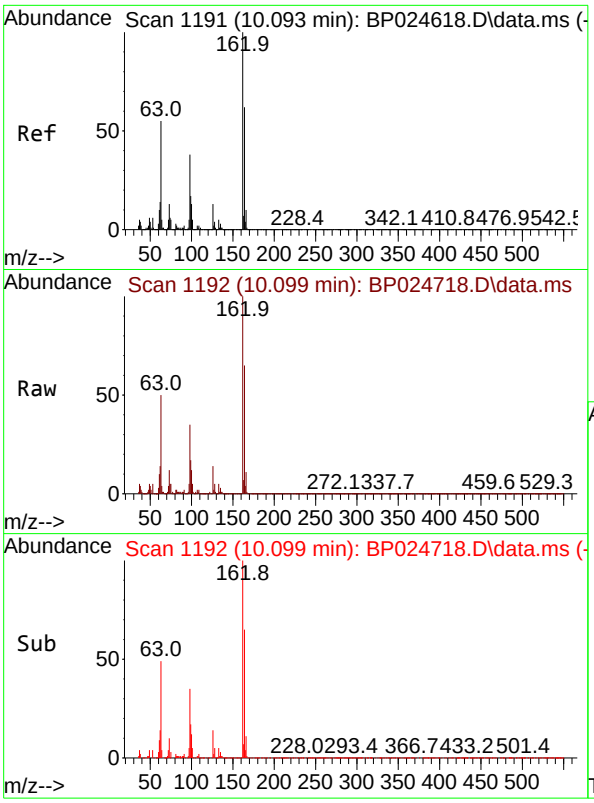




#28
bis(2-Chloroethoxy)methane
Concen: 34.237 ng
RT: 9.840 min Scan# 1148
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion: 93 Resp: 327325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.6 | 25.5 | 38.3 |
| 123 | 13.2 | 9.7 | 14.5 |



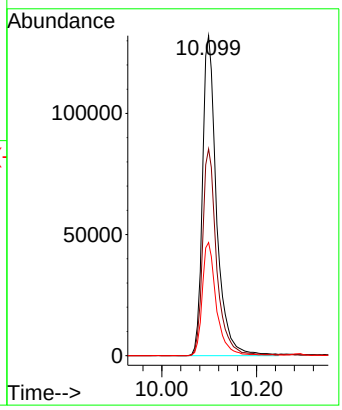


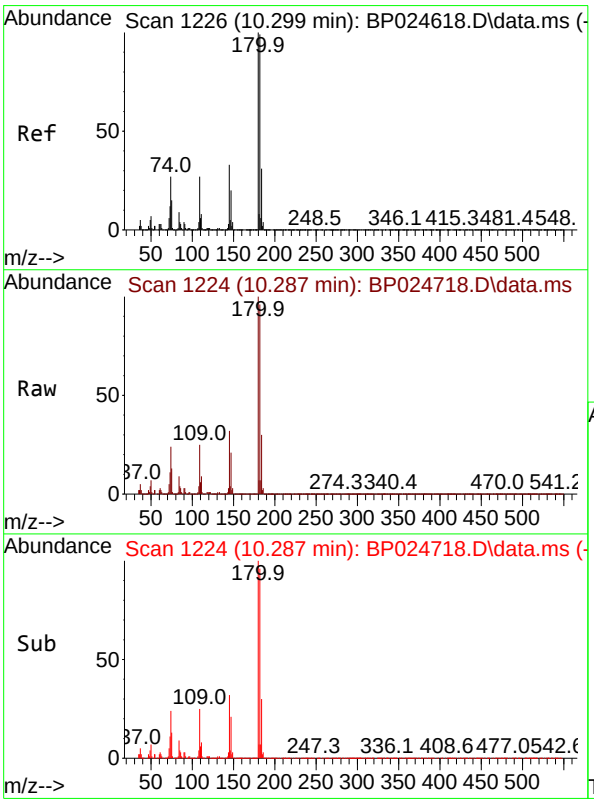

#29
2,4-Dichlorophenol
Concen: 40.085 ng
RT: 10.099 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:162 Resp: 272454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.6 | 42.3 | 82.3 |
| 98 | 35.4 | 18.4 | 58.4 |

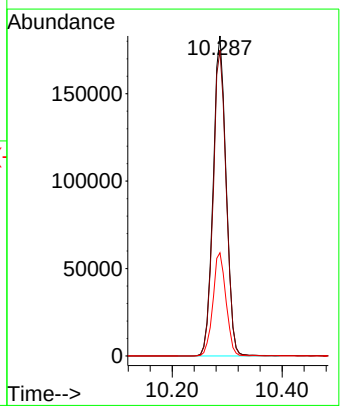


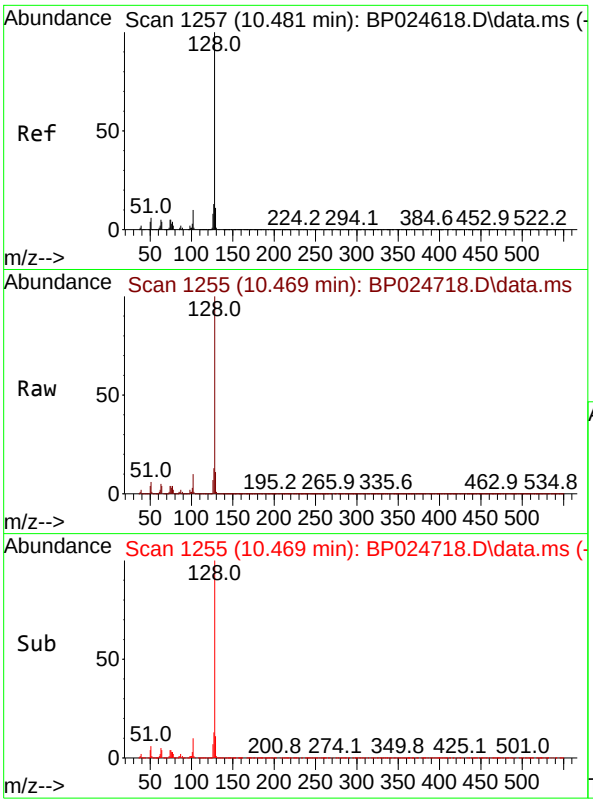




#30
1,2,4-Trichlorobenzene
Concen: 39.166 ng
RT: 10.287 min Scan# 1224
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:180 Resp: 299985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 79.0 | 118.4 |
| 145 | 32.2 | 26.6 | 39.8 |



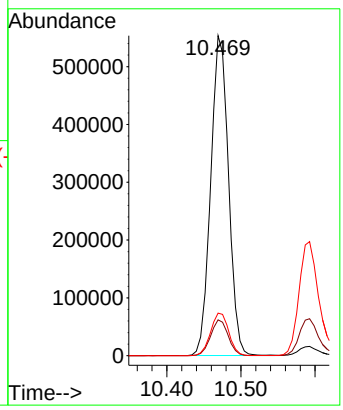


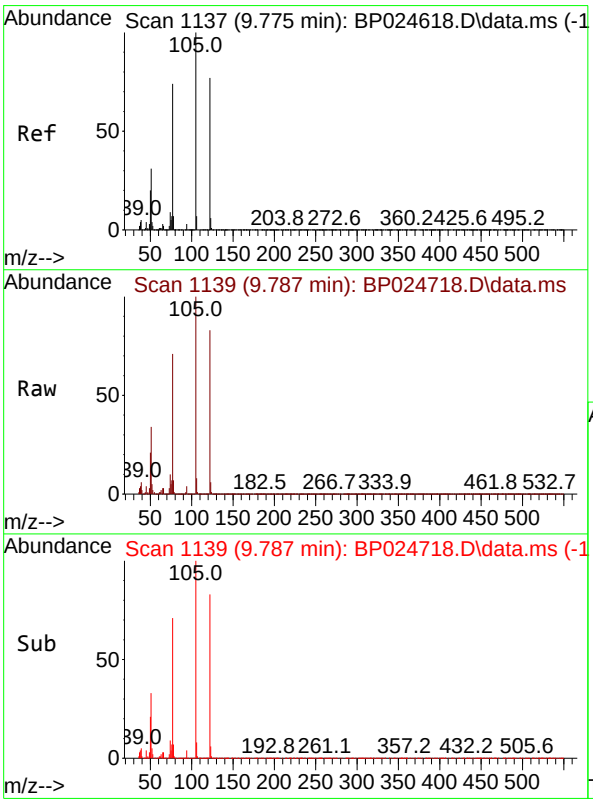

#31
Naphthalene
Concen: 38.195 ng
RT: 10.469 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:128 Resp: 922608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 8.8 | 13.2 |
| 127 | 13.3 | 10.7 | 16.1 |

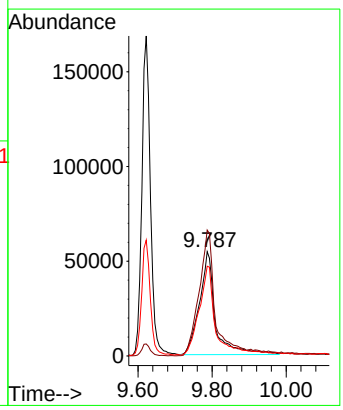


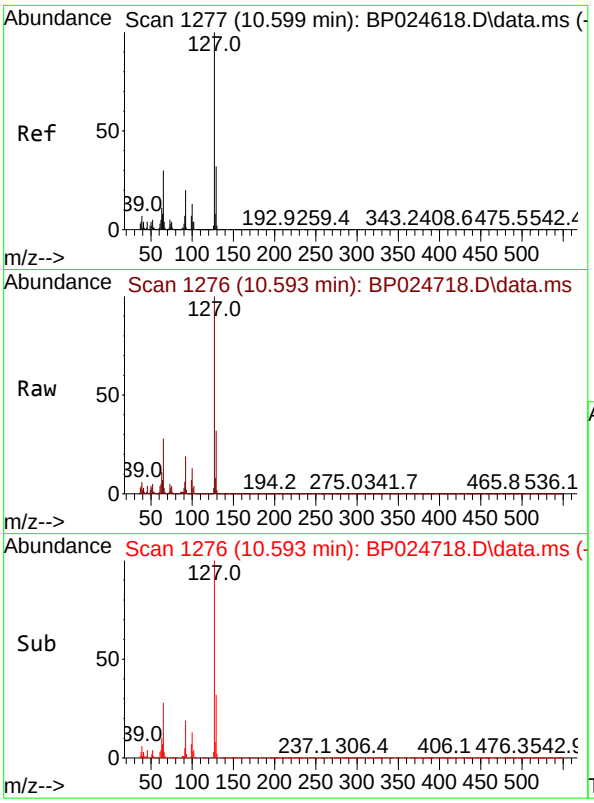




#32
Benzoic acid
Concen: 35.667 ng
RT: 9.787 min Scan# 1139
Delta R.T. 0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:122 Resp: 163060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 120.7 | 106.9 | 146.9 |
| 77 | 86.1 | 75.1 | 115.1 |



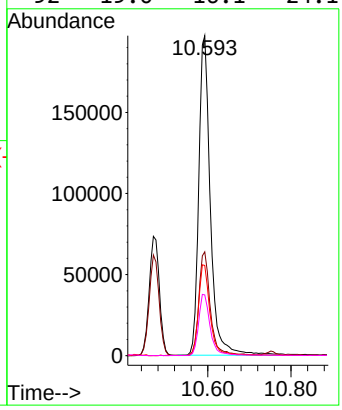


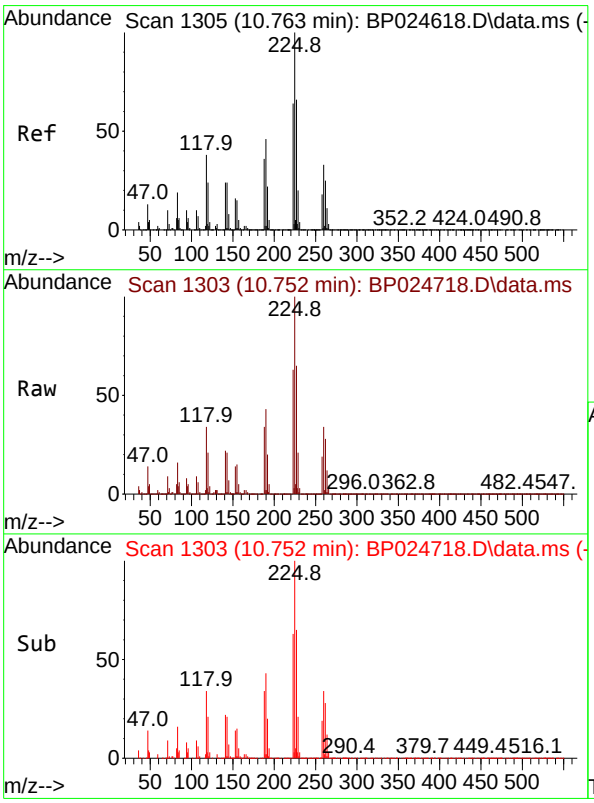

#33
4-Chloroaniline
Concen: 39.153 ng
RT: 10.593 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:127 Resp: 381633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.4 | 25.8 | 38.6 |
| 65 | 28.2 | 23.9 | 35.9 |
| 92 | 19.0 | 16.1 | 24.1 |

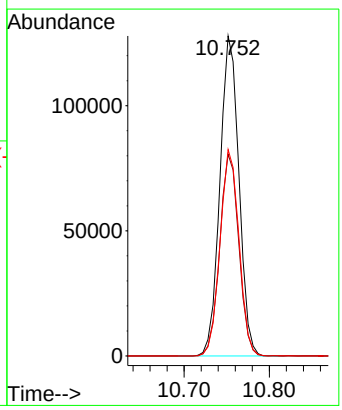


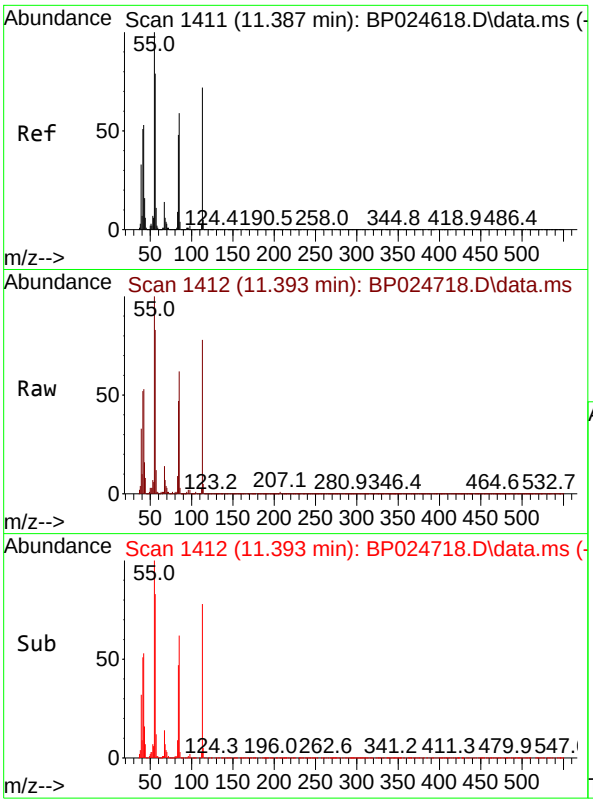




#34
Hexachlorobutadiene
Concen: 39.924 ng
RT: 10.752 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:225 Resp: 198098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.0 | 51.0 | 76.6 |
| 227 | 64.5 | 53.1 | 79.7 |



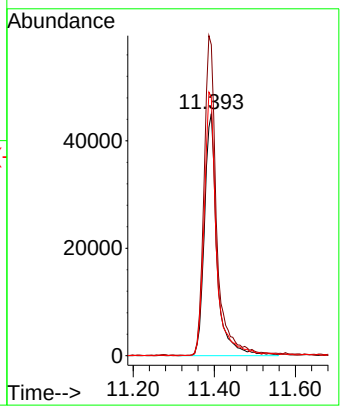


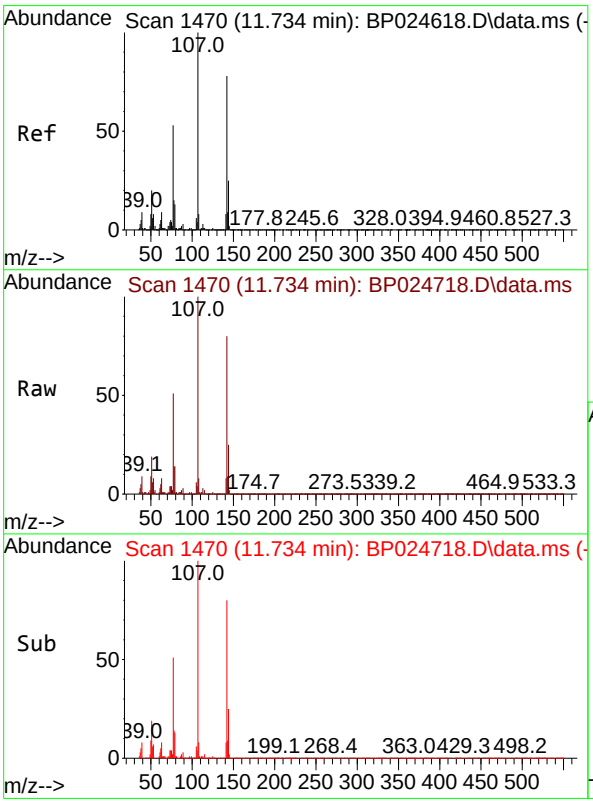

#35
Caprolactam
Concen: 39.146 ng
RT: 11.393 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:113 Resp: 96266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 128.6 | 119.0 | 159.0 |
| 56 | 106.9 | 90.3 | 130.3 |

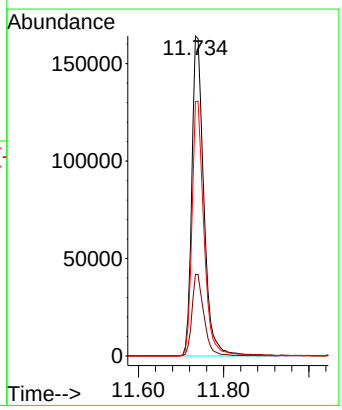


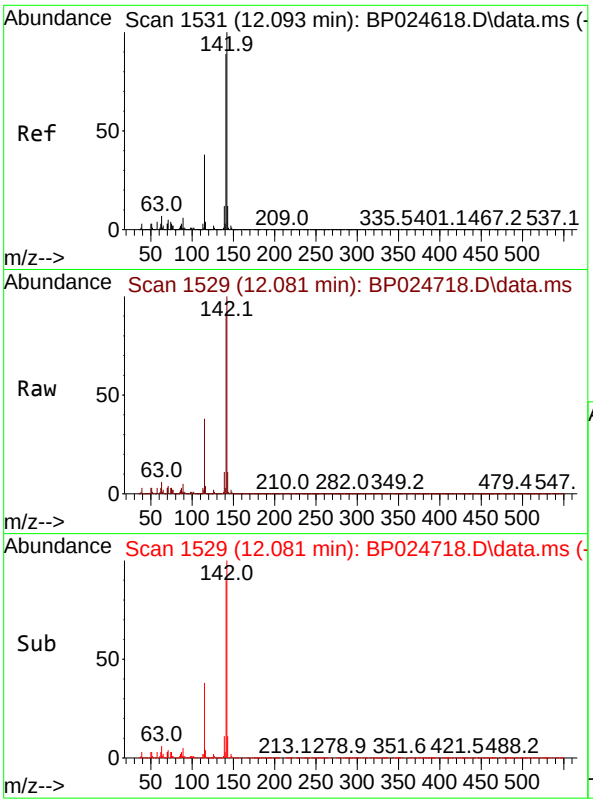




#36
4-Chloro-3-methylphenol
Concen: 38.826 ng
RT: 11.734 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:107 Resp: 321821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.5 | 20.1 | 30.1 |
| 142 | 79.6 | 62.1 | 93.1 |



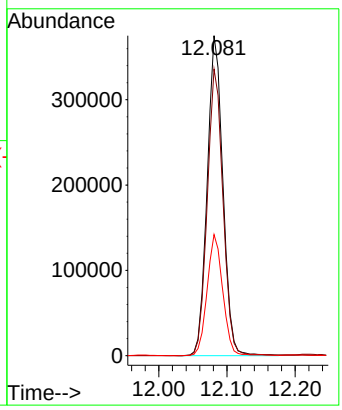


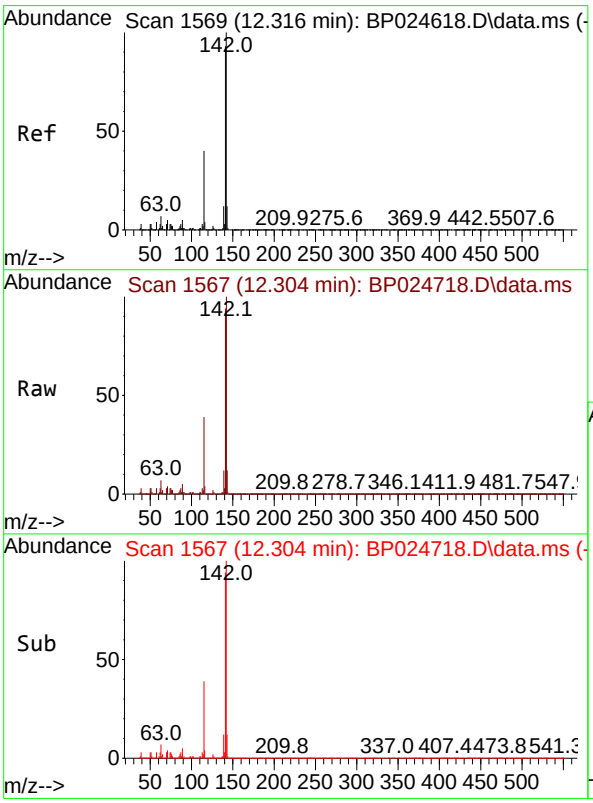

#37
2-Methylnaphthalene
Concen: 38.402 ng
RT: 12.081 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:142 Resp: 600646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.6 | 71.2 | 106.8 |
| 115 | 37.9 | 30.6 | 46.0 |

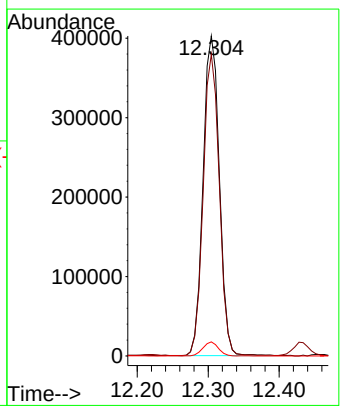


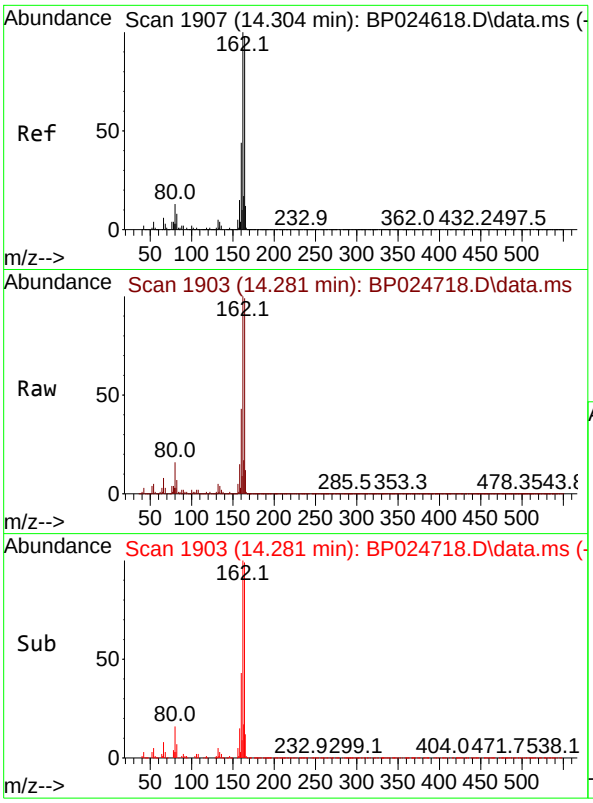




#38
1-Methylnaphthalene
Concen: 38.364 ng
RT: 12.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:142 Resp: 642025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 94.3 | 74.7 | 112.1 |
| 116 | 4.4 | 3.4 | 5.2 |



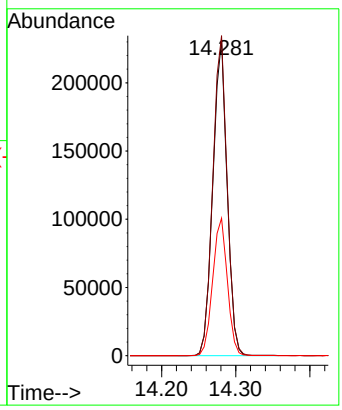


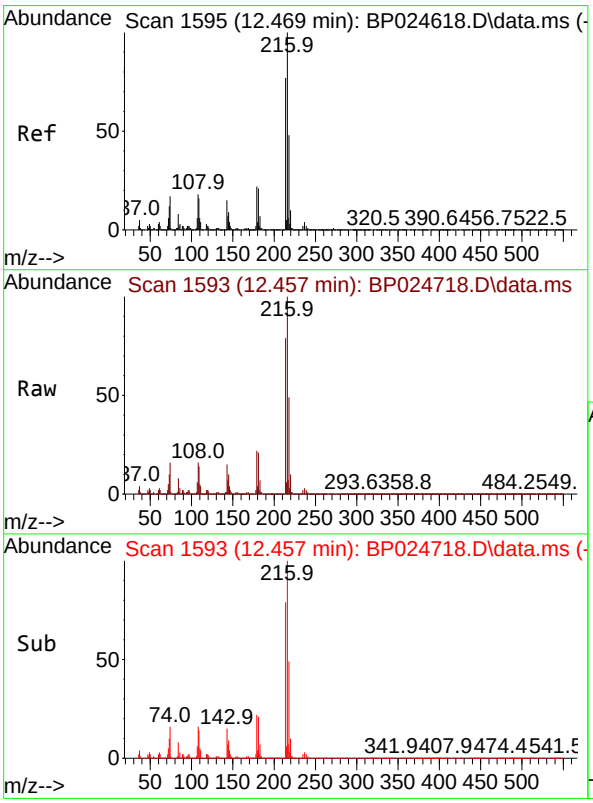

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.281 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:164 Resp: 307619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.3 | 81.8 | 122.6 |
| 160 | 43.5 | 36.3 | 54.5 |

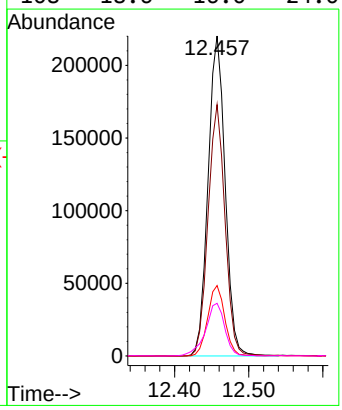


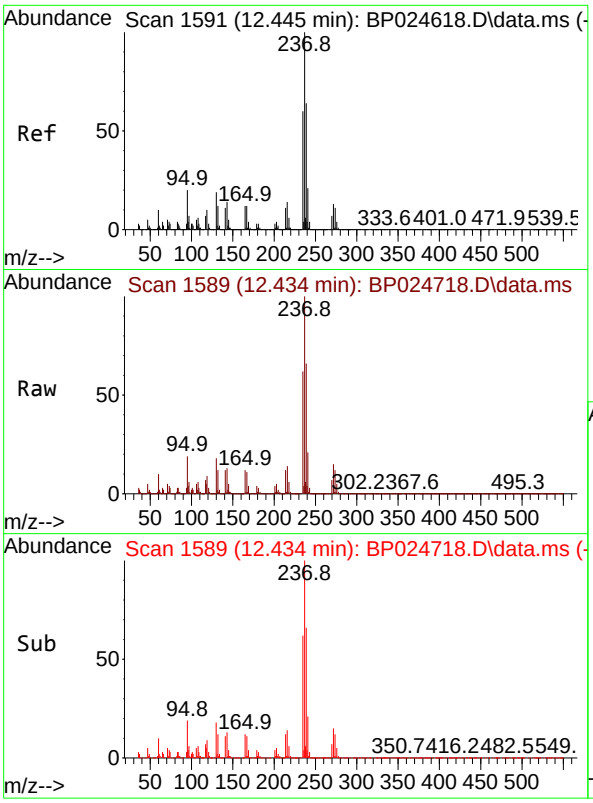




#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.405 ng
RT: 12.457 min Scan# 1593
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:216 Resp: 352005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.0 | 62.3 | 93.5 |
| 179 | 22.1 | 17.7 | 26.5 |
| 108 | 18.6 | 16.0 | 24.0 |



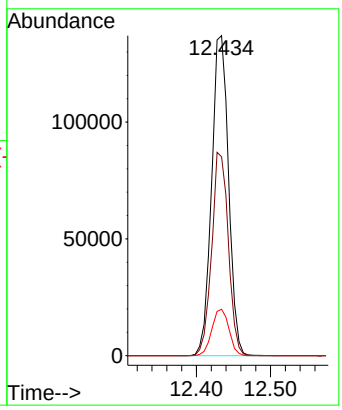


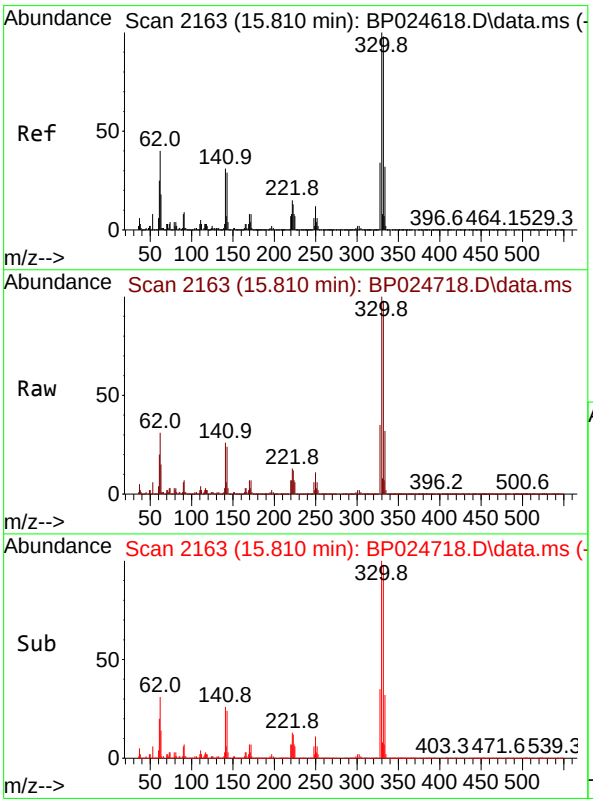

#41
Hexachlorocyclopentadiene
Concen: 40.091 ng
RT: 12.434 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:237 Resp: 217156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.1 | 39.9 | 79.9 |
| 272 | 14.5 | 0.0 | 33.2 |

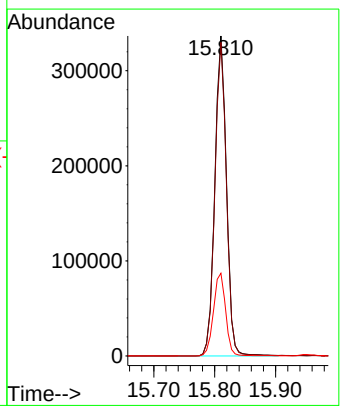


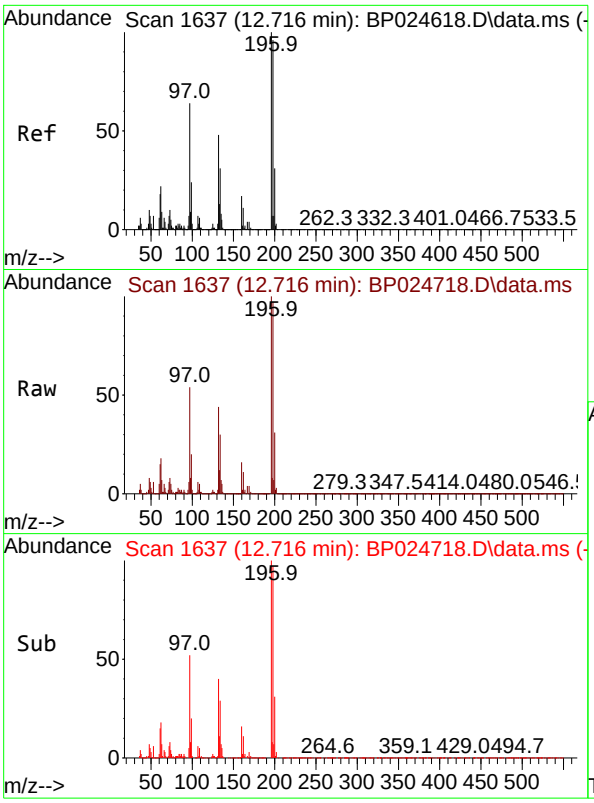




#42
2,4,6-Tribromophenol
Concen: 85.567 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:330 Resp: 446232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.5 | 78.2 | 117.4 |
| 141 | 27.1 | 24.3 | 36.5 |



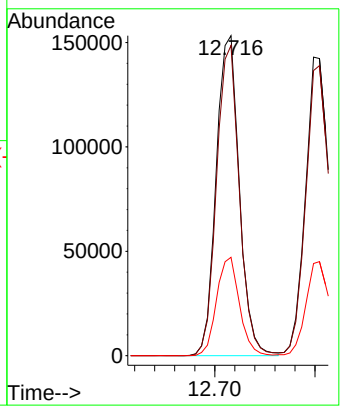


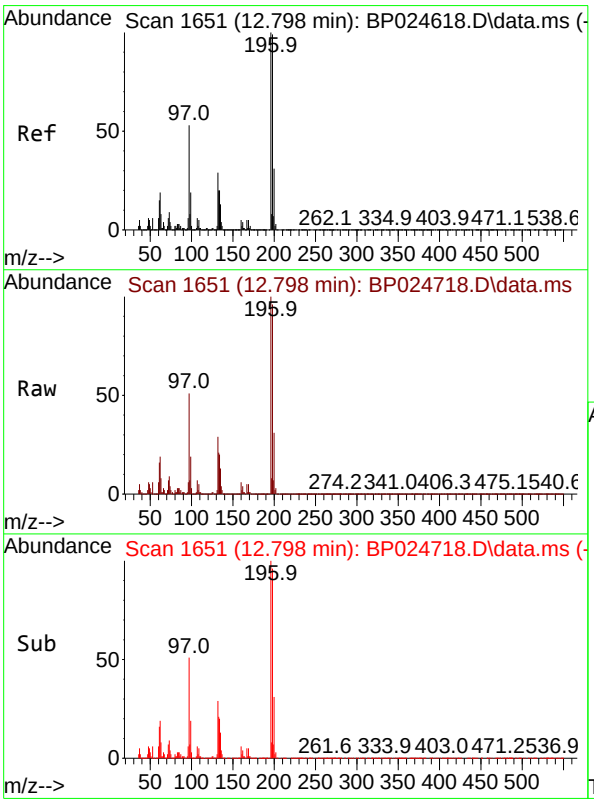

#43
2,4,6-Trichlorophenol
Concen: 42.455 ng
RT: 12.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:196 Resp: 245643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 97.0 | 76.9 | 115.3 |
| 200 | 30.8 | 25.2 | 37.8 |

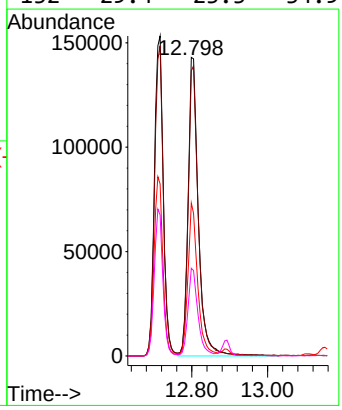


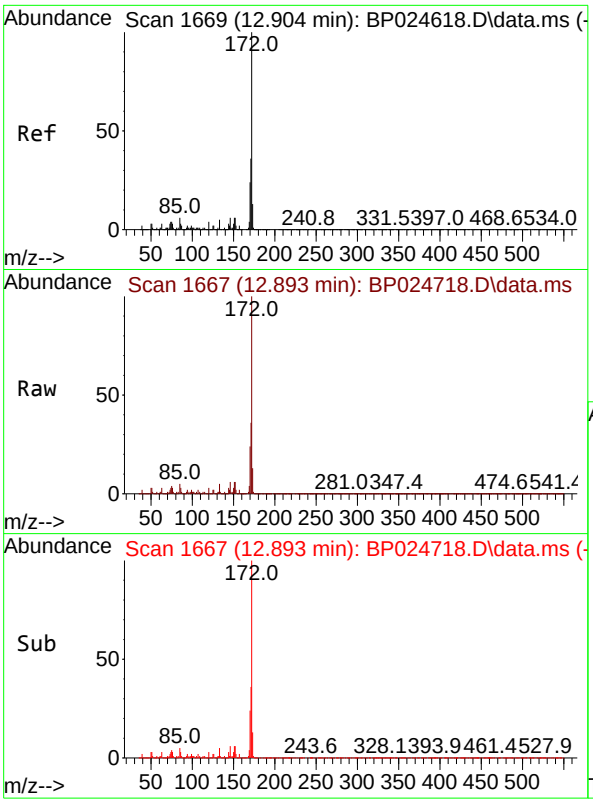




#44
2,4,5-Trichlorophenol
Concen: 41.995 ng
RT: 12.798 min Scan# 1651
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:196 Resp: 270471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.5 | 79.2 | 118.8 |
| 97 | 51.3 | 42.3 | 63.5 |
| 132 | 29.4 | 23.3 | 34.9 |



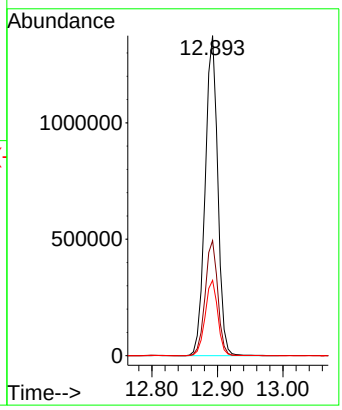


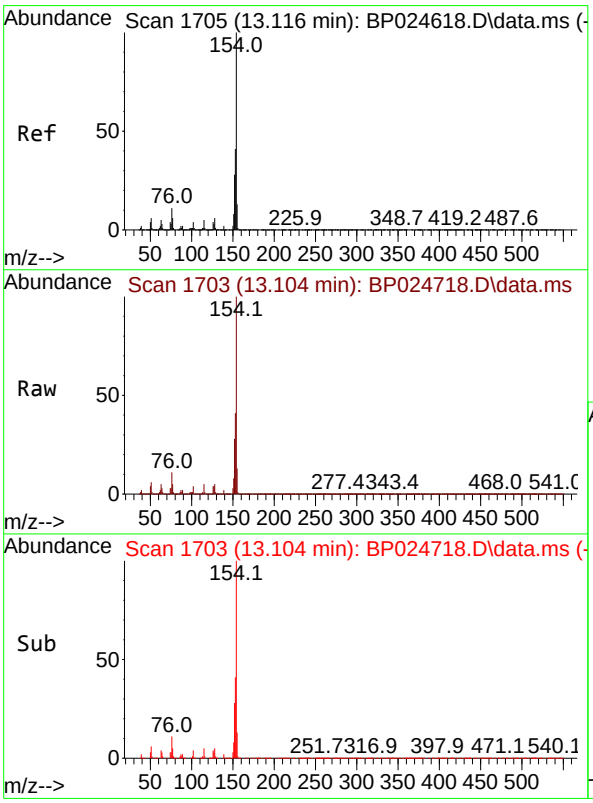

#45
2-Fluorobiphenyl
Concen: 78.240 ng
RT: 12.893 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:172 Resp: 1837081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 28.8 | 43.2 |
| 170 | 23.5 | 18.8 | 28.2 |

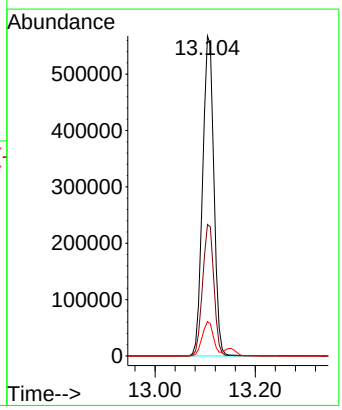


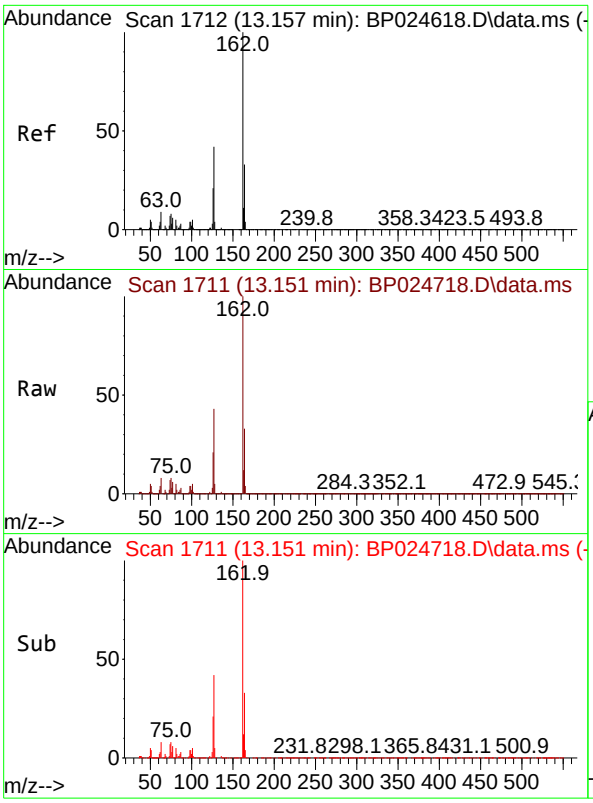




#46
1,1'-Biphenyl
Concen: 39.030 ng
RT: 13.104 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:154 Resp: 887407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.1 | 21.0 | 61.0 |
| 76 | 10.8 | 0.0 | 31.5 |



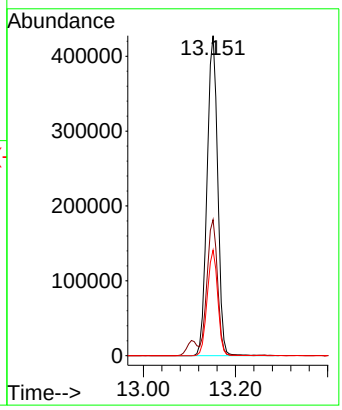


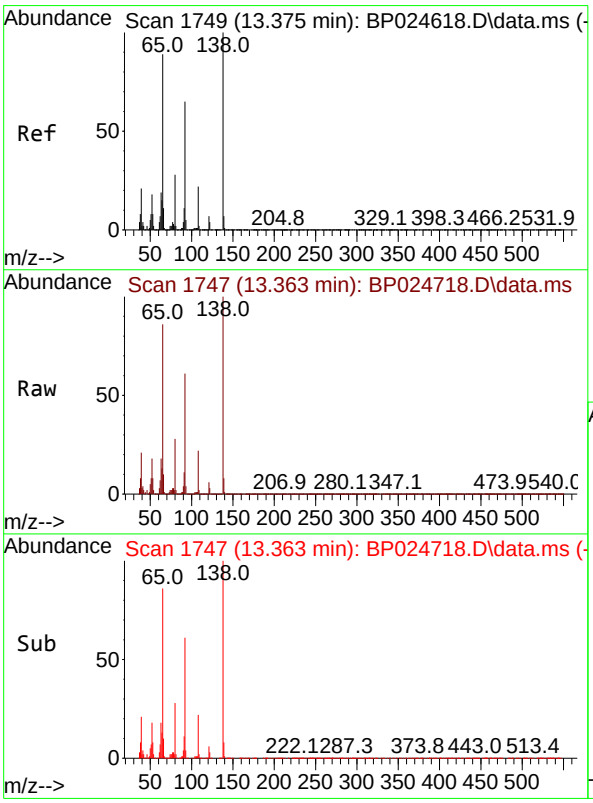

#47
2-Chloronaphthalene
Concen: 39.767 ng
RT: 13.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:162 Resp: 689395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.5 | 33.8 | 50.6 |
| 164 | 33.0 | 26.0 | 39.0 |

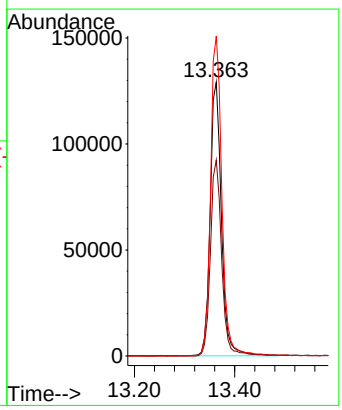


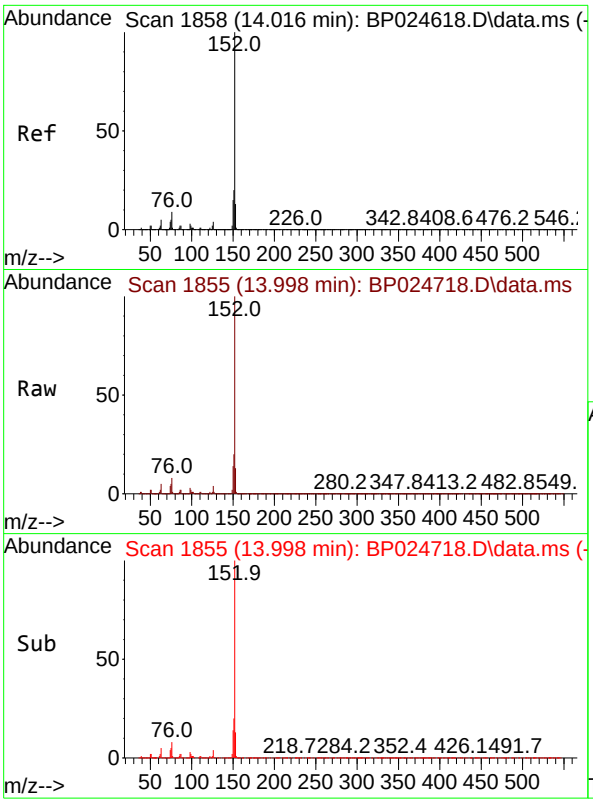




#48
2-Nitroaniline
Concen: 39.247 ng
RT: 13.363 min Scan# 1747
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion: 65 Resp: 201432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 71.6 | 58.7 | 88.1 |
| 138 | 116.8 | 90.2 | 135.2 |



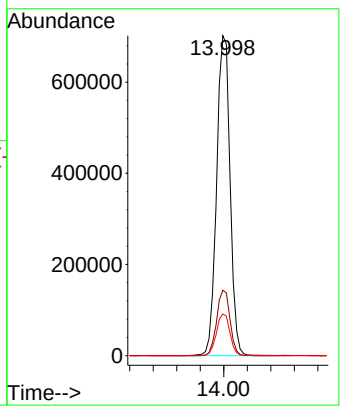


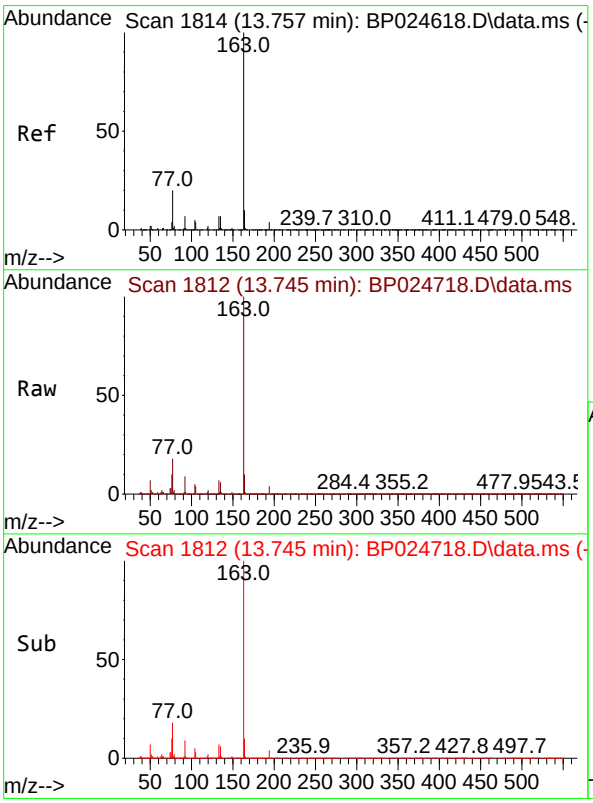

#49
Acenaphthylene
Concen: 38.344 ng
RT: 13.998 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:152 Resp: 1112406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.4 | 16.2 | 24.4 |
| 153 | 13.0 | 10.2 | 15.4 |

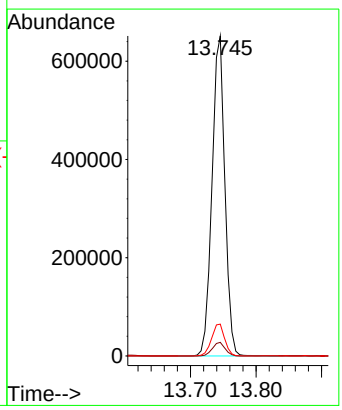


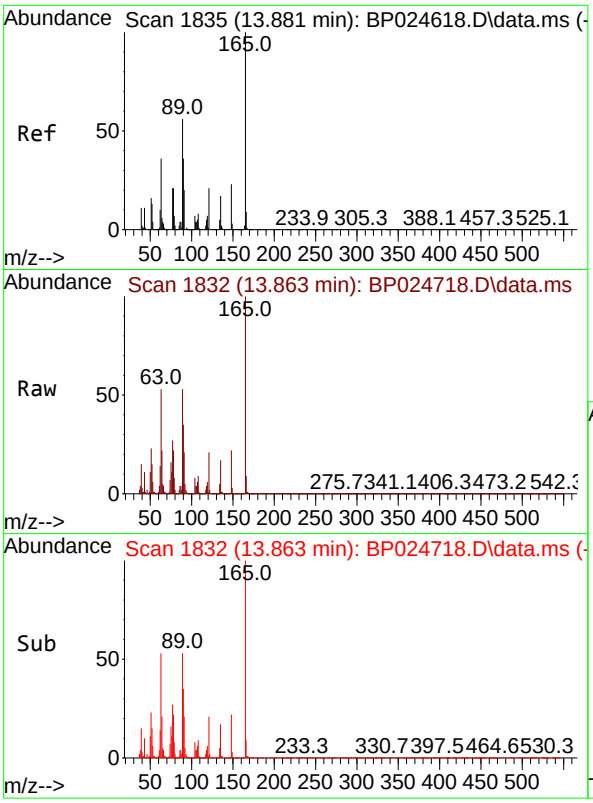




#50
Dimethylphthalate
Concen: 37.801 ng
RT: 13.745 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:163 Resp: 886318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.4 | 5.0 |
| 164 | 10.0 | 8.1 | 12.1 |



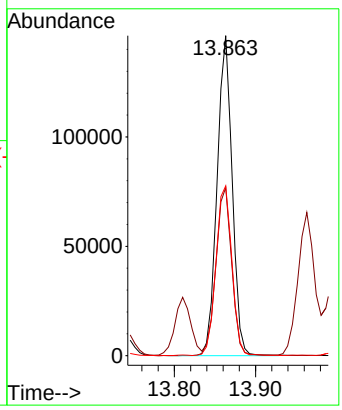


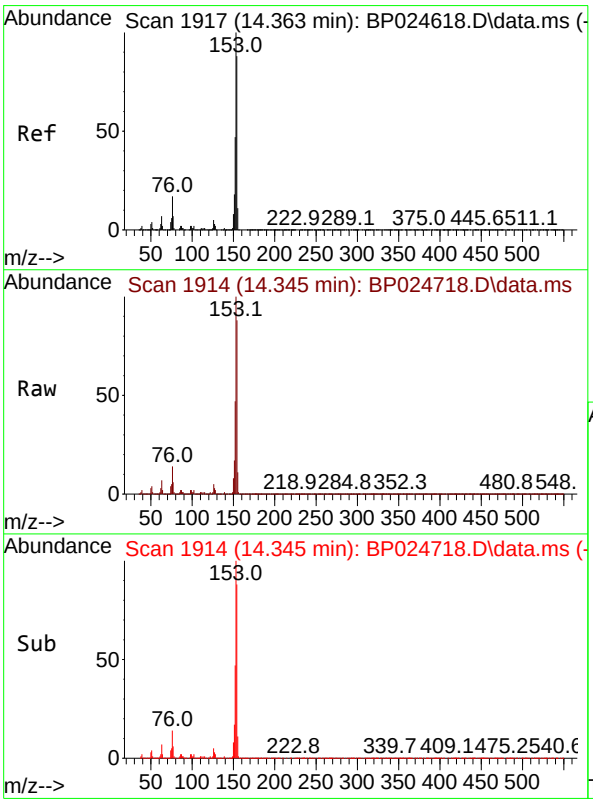

#51
2,6-Dinitrotoluene
Concen: 38.189 ng
RT: 13.863 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:165 Resp: 189104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 52.6 | 42.4 | 63.6 |
| 89 | 53.1 | 44.8 | 67.2 |

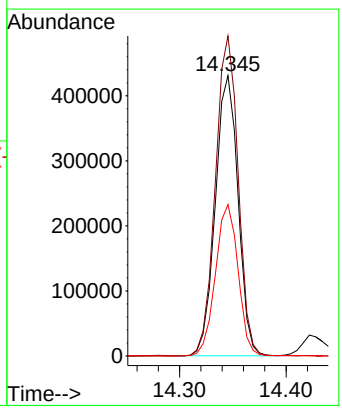


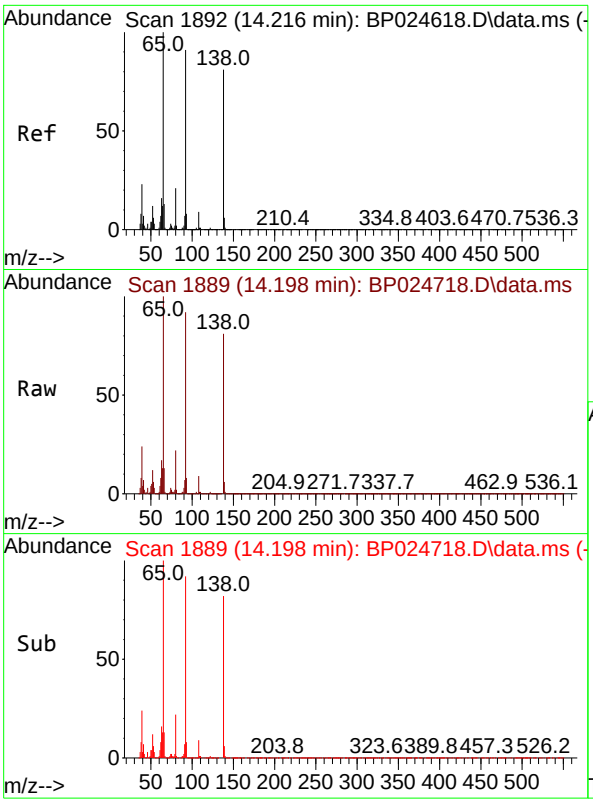




#52
Acenaphthene
Concen: 38.281 ng
RT: 14.345 min Scan# 1914
Delta R.T. -0.018 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:154 Resp: 638458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 114.1 | 91.0 | 136.4 |
| 152 | 54.0 | 42.9 | 64.3 |



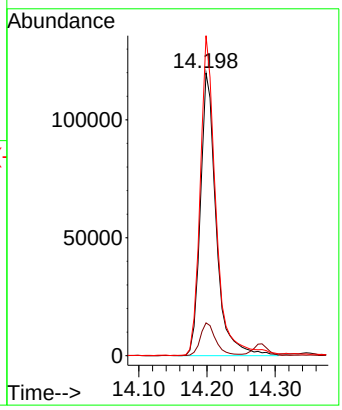


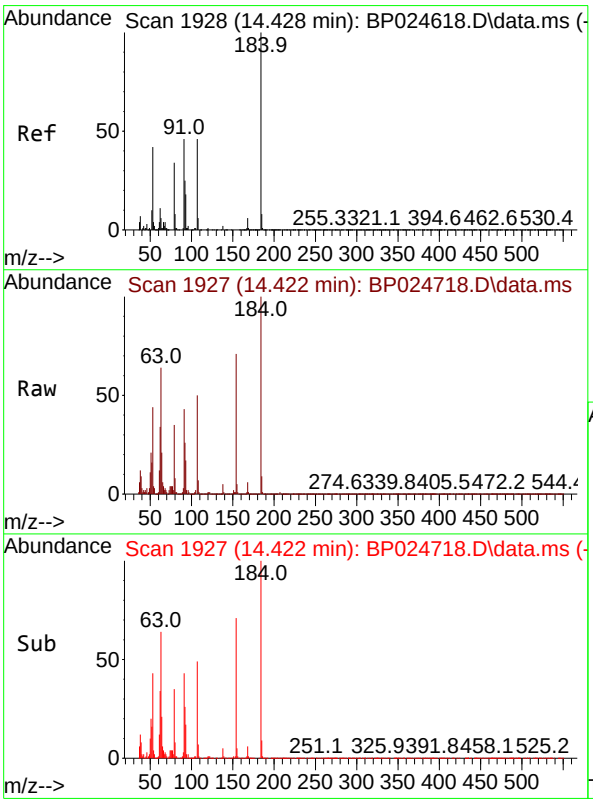

#53
3-Nitroaniline
Concen: 38.181 ng
RT: 14.198 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:138 Resp: 193051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.6 | 9.0 | 13.4 |
| 92 | 113.2 | 90.1 | 135.1 |

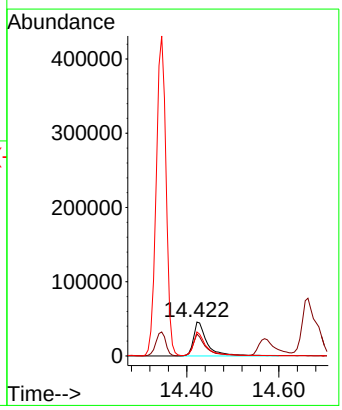


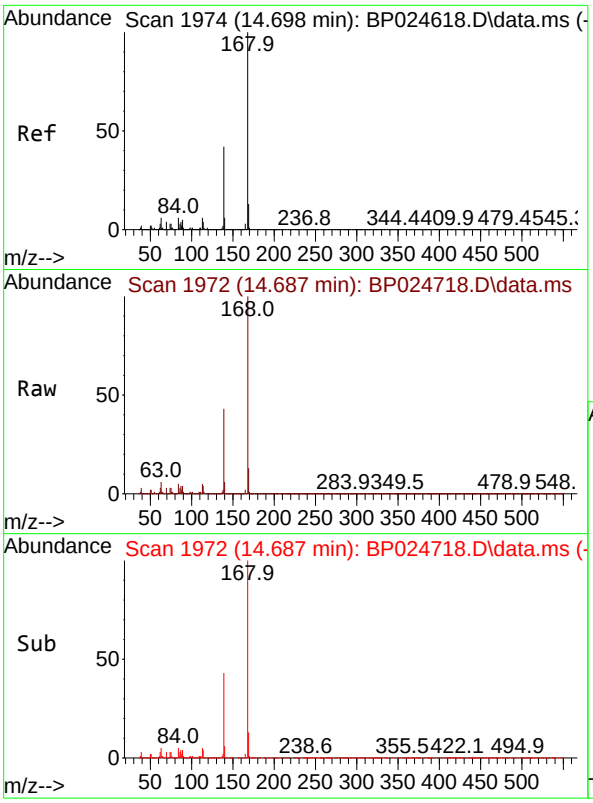




#54
2,4-Dinitrophenol
Concen: 34.279 ng
RT: 14.422 min Scan# 1927
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:184 Resp: 94621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 64.5 | 51.3 | 76.9 |
| 154 | 70.5 | 53.5 | 80.3 |



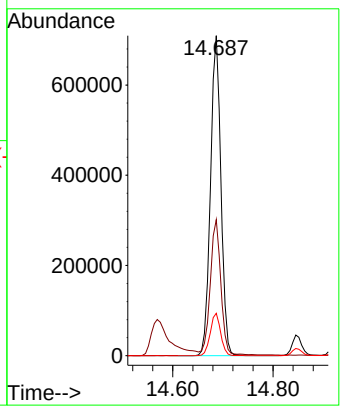


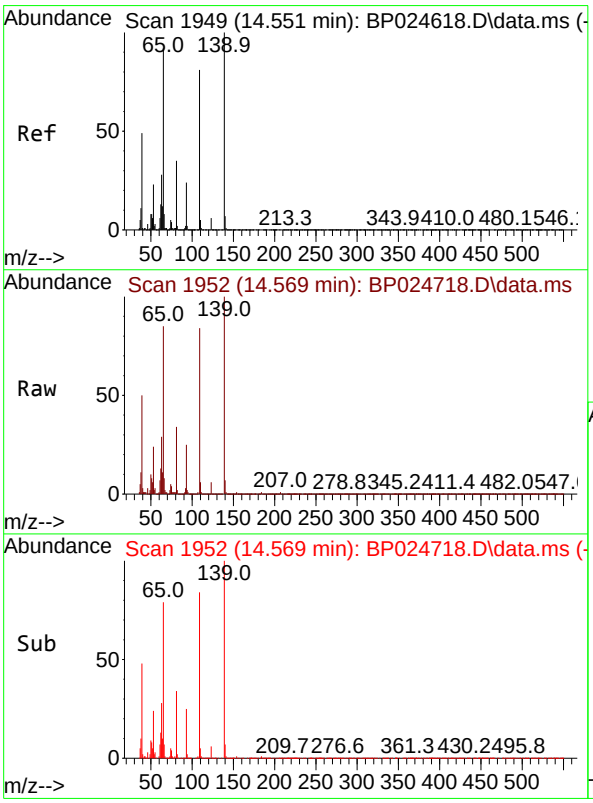

#55
Dibenzofuran
Concen: 38.480 ng
RT: 14.687 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:168 Resp: 1023680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 42.5 | 34.2 | 51.4 |
| 169 | 13.2 | 10.8 | 16.2 |

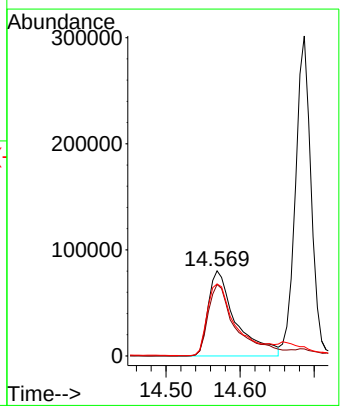


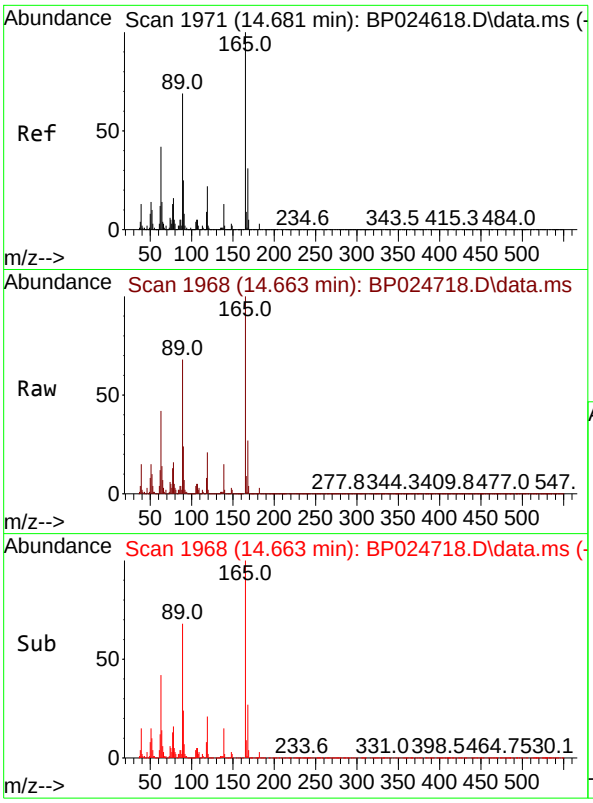




#56
4-Nitrophenol
Concen: 49.318 ng
RT: 14.569 min Scan# 1952
Delta R.T. 0.018 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:139 Resp: 208380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 83.9 | 61.4 | 101.4 |
| 65 | 84.6 | 72.2 | 112.2 |



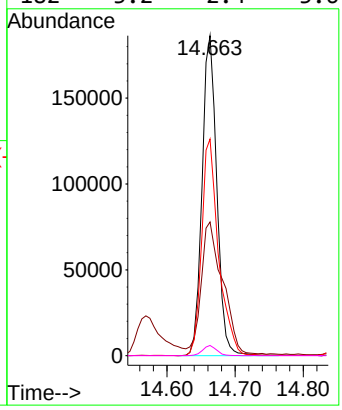


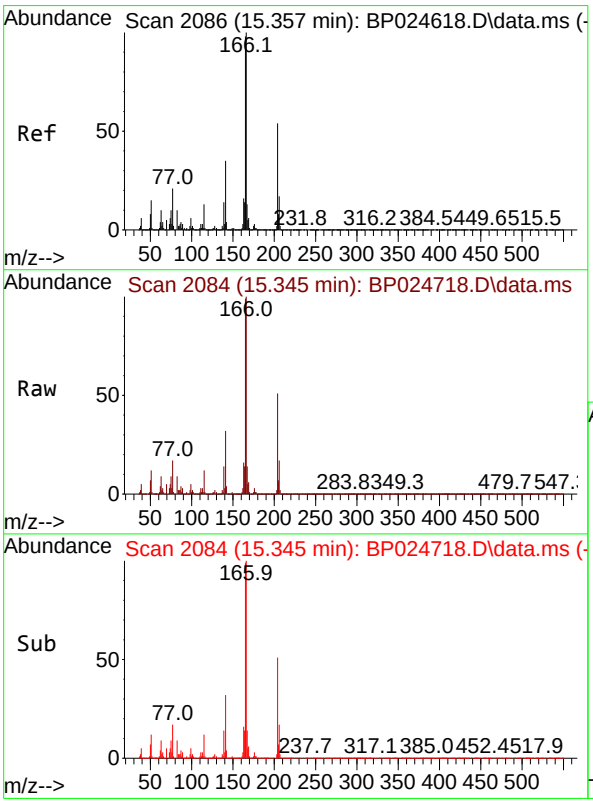

#57
2,4-Dinitrotoluene
Concen: 40.118 ng
RT: 14.663 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:165 Resp: 280073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 41.8 | 33.8 | 50.6 |
| 89 | 67.7 | 55.6 | 83.4 |
| 182 | 3.2 | 2.4 | 3.6 |

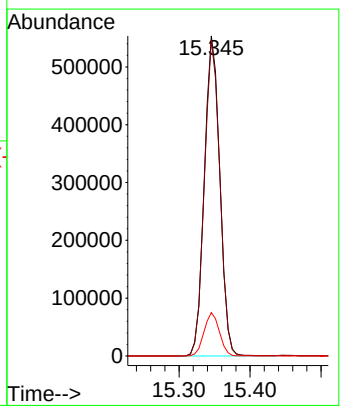


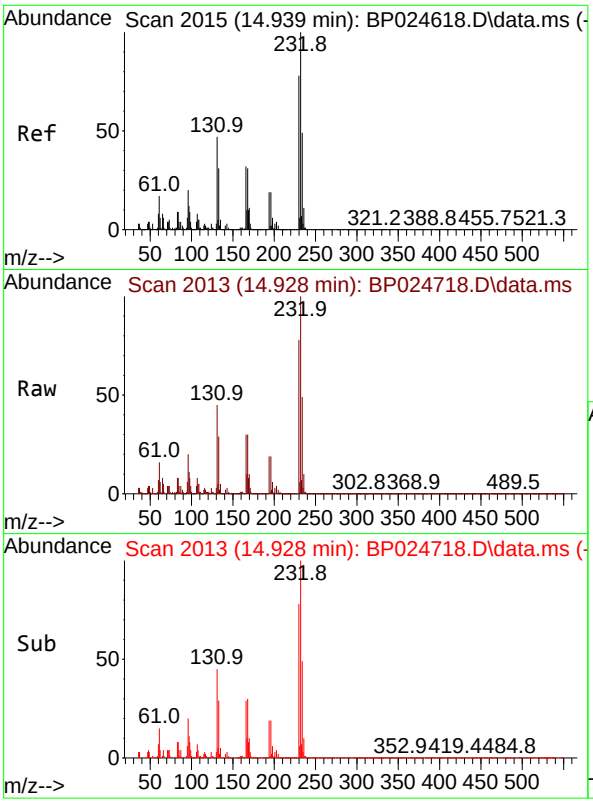




#58
Fluorene
Concen: 38.752 ng
RT: 15.345 min Scan# 2084
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:166 Resp: 840603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.8 | 78.5 | 117.7 |
| 167 | 13.5 | 10.7 | 16.1 |



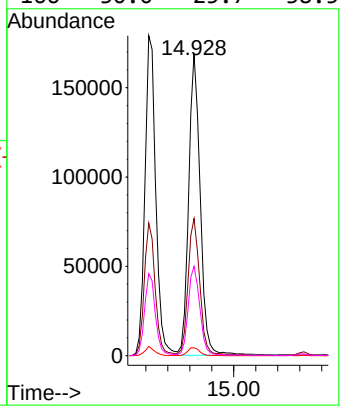


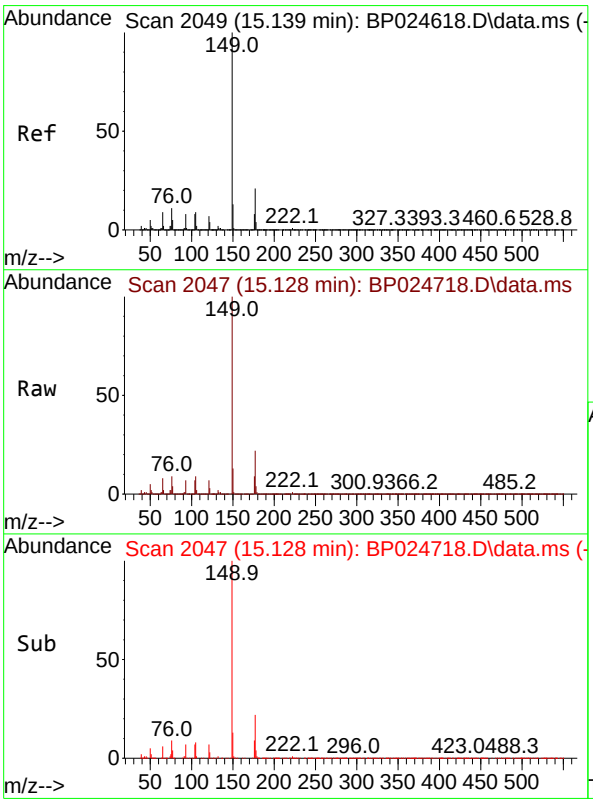

#59
2,3,4,6-Tetrachlorophenol
Concen: 40.990 ng
RT: 14.928 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:232 Resp: 244897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.7 | 39.5 | 59.3 |
| 130 | 2.8 | 2.2 | 3.4 |
| 166 | 30.0 | 25.7 | 38.5 |

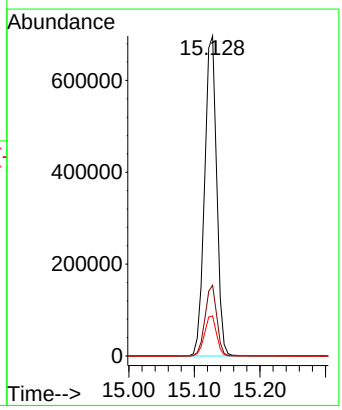


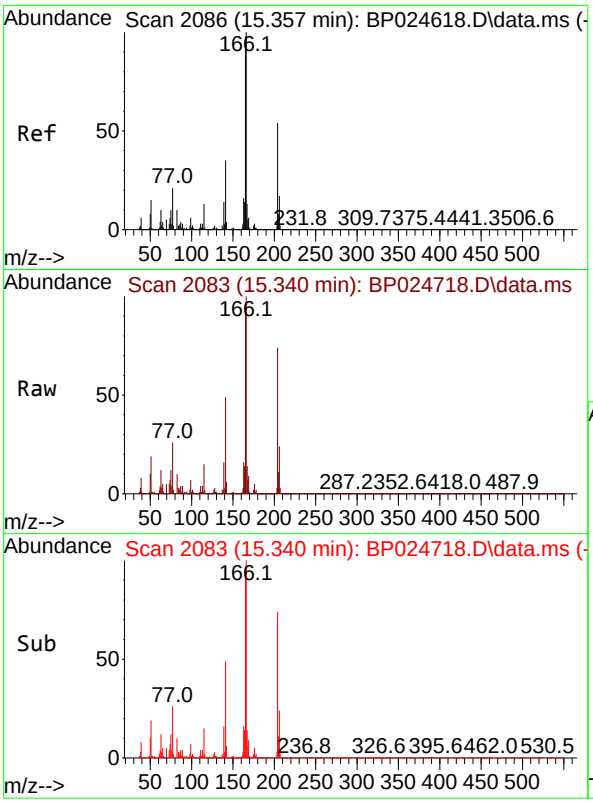




#60
Diethylphthalate
Concen: 37.754 ng
RT: 15.128 min Scan# 2047
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:149 Resp: 894699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.1 | 16.7 | 25.1 |
| 150 | 12.5 | 10.2 | 15.2 |



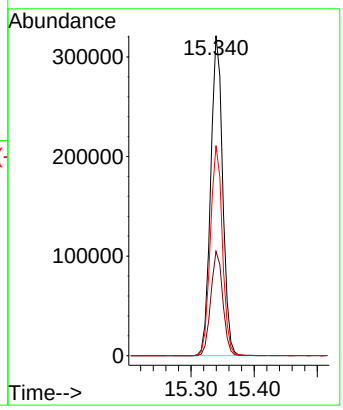


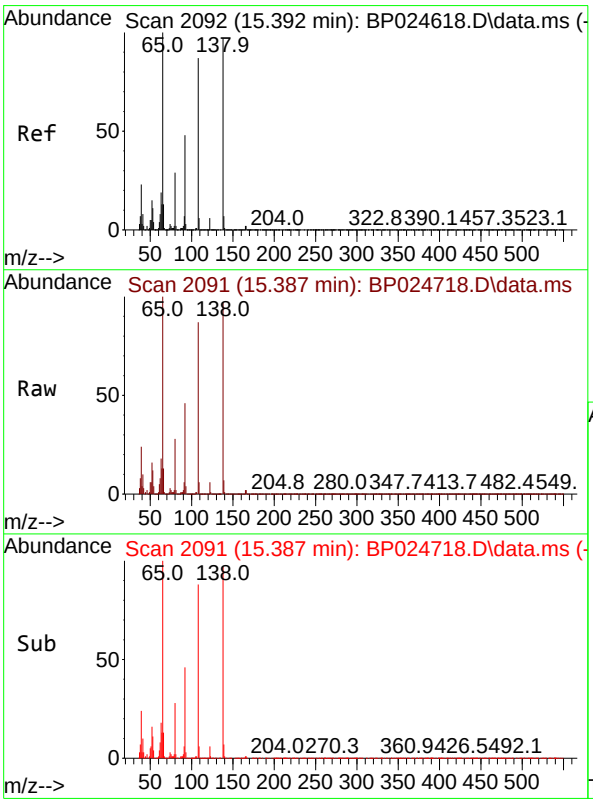

#61
4-Chlorophenyl-phenylether
Concen: 39.049 ng
RT: 15.340 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:204 Resp: 422424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.6 | 26.0 | 39.0 |
| 141 | 65.6 | 52.9 | 79.3 |

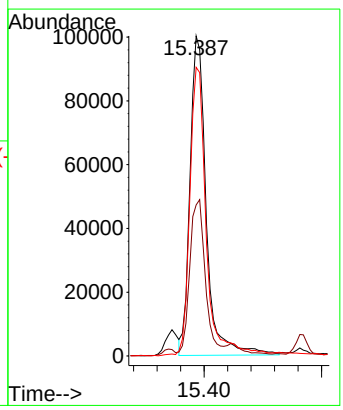


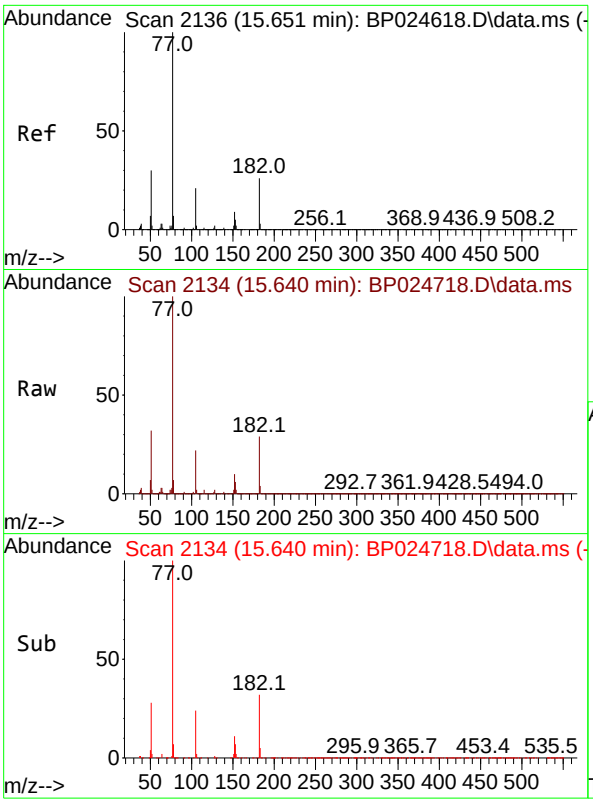




#62
4-Nitroaniline
Concen: 39.479 ng
RT: 15.387 min Scan# 2091
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:138 Resp: 192740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 47.2 | 29.2 | 69.2 |
| 108 | 90.2 | 69.0 | 109.0 |



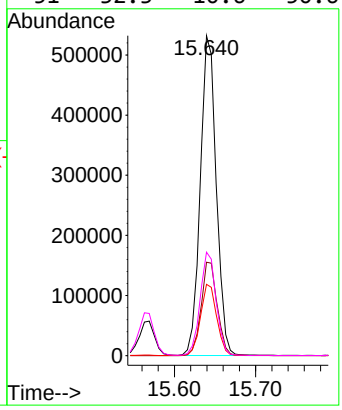


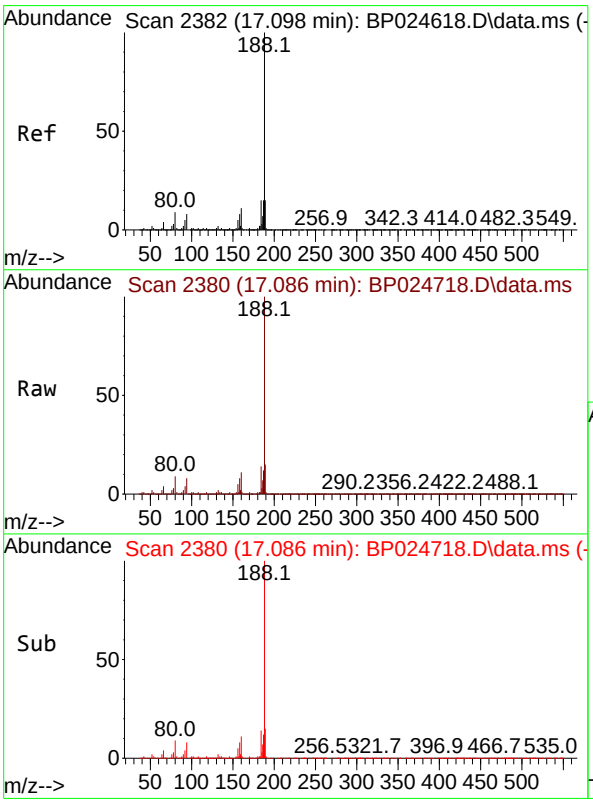

#63
Azobenzene
Concen: 35.857 ng
RT: 15.640 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 77 Resp: 726922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 29.2 | 5.7 | 45.7 |
| 105 | 22.3 | 1.3 | 41.3 |
| 51 | 32.3 | 10.6 | 50.6 |

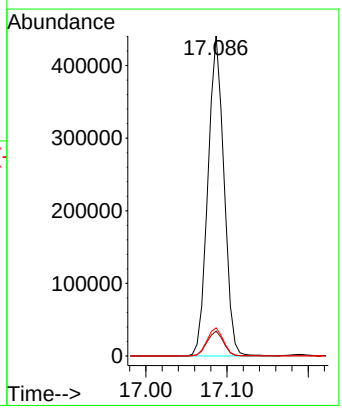


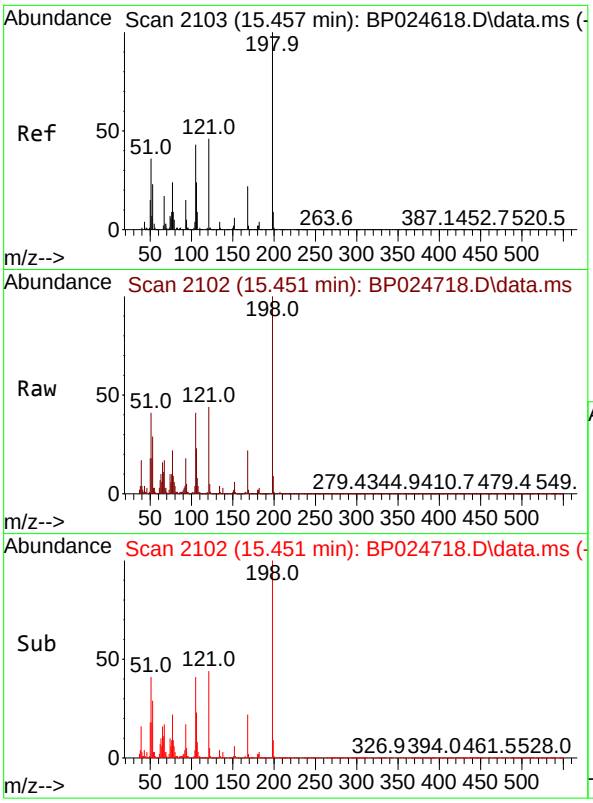




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.086 min Scan# 2380
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:188 Resp: 604437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.7 | 6.5 | 9.7 |
| 80 | 8.8 | 7.3 | 10.9 |



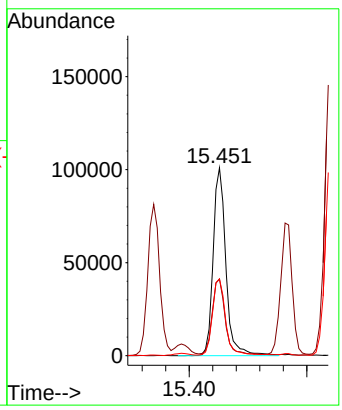


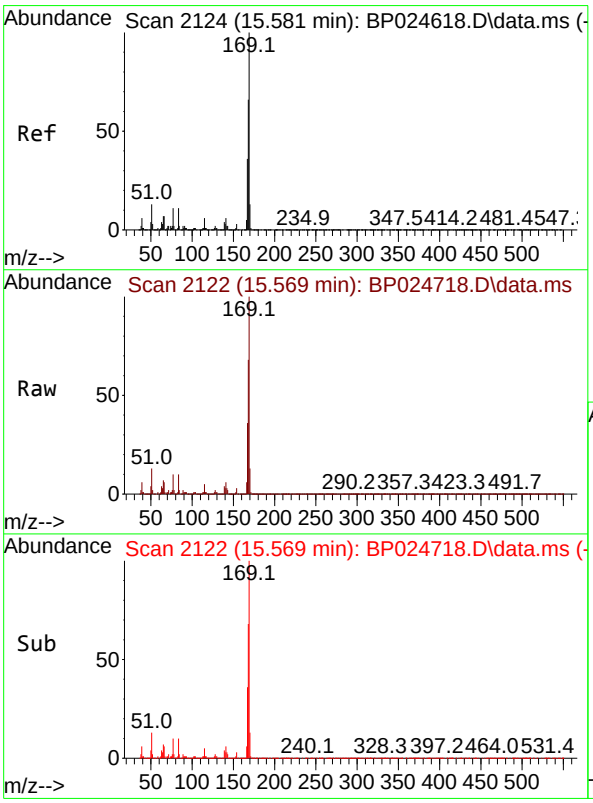

#65
4,6-Dinitro-2-methylphenol
Concen: 38.869 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:198 Resp: 151755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 40.8 | 21.1 | 61.1 |
| 105 | 40.9 | 23.6 | 63.6 |

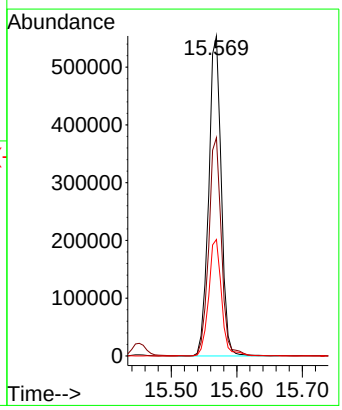


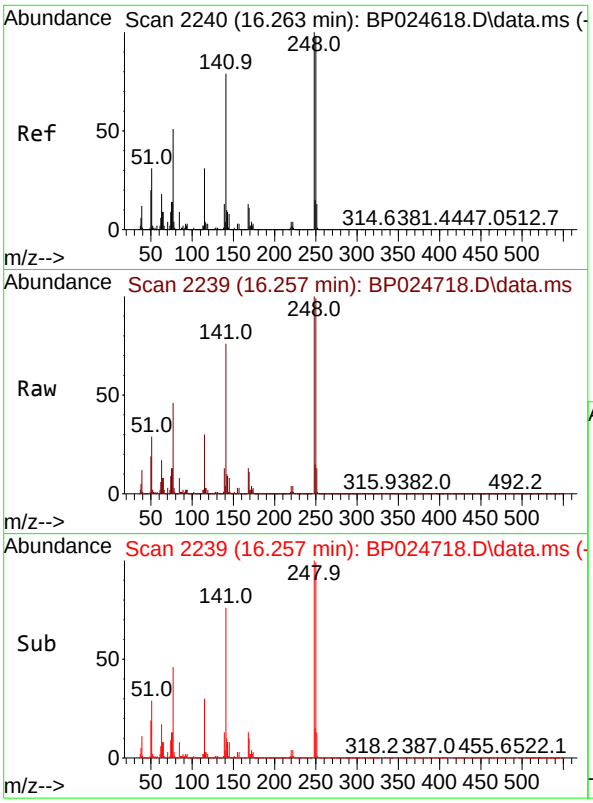




#66
n-Nitrosodiphenylamine
Concen: 39.573 ng
RT: 15.569 min Scan# 2122
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:169 Resp: 734714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 68.2 | 53.2 | 79.8 |
| 167 | 36.4 | 28.6 | 43.0 |



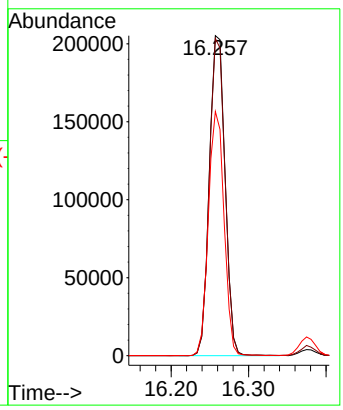


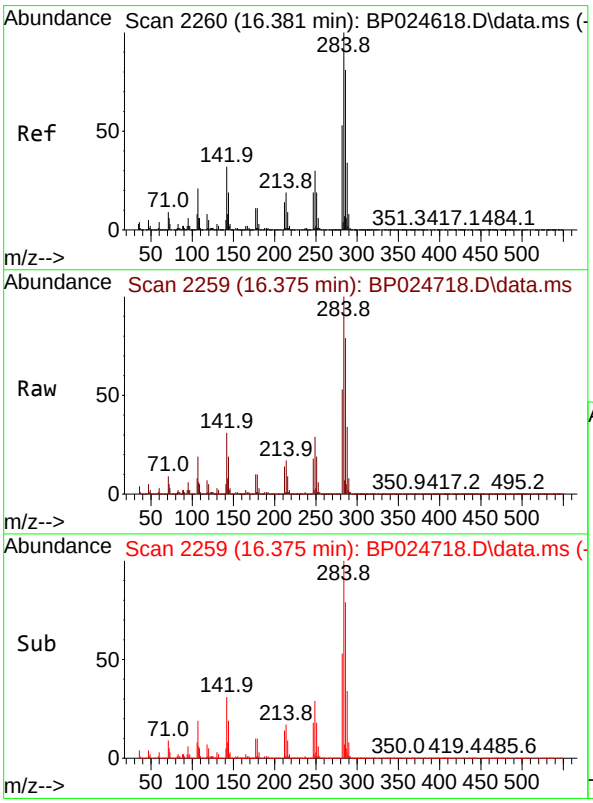

#67
4-Bromophenyl-phenylether
Concen: 40.631 ng
RT: 16.257 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:248 Resp: 289391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 99.2 | 78.2 | 117.4 |
| 141 | 76.3 | 63.0 | 94.6 |

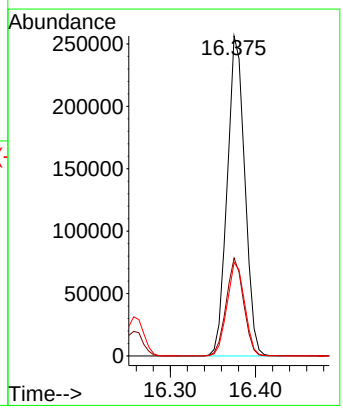


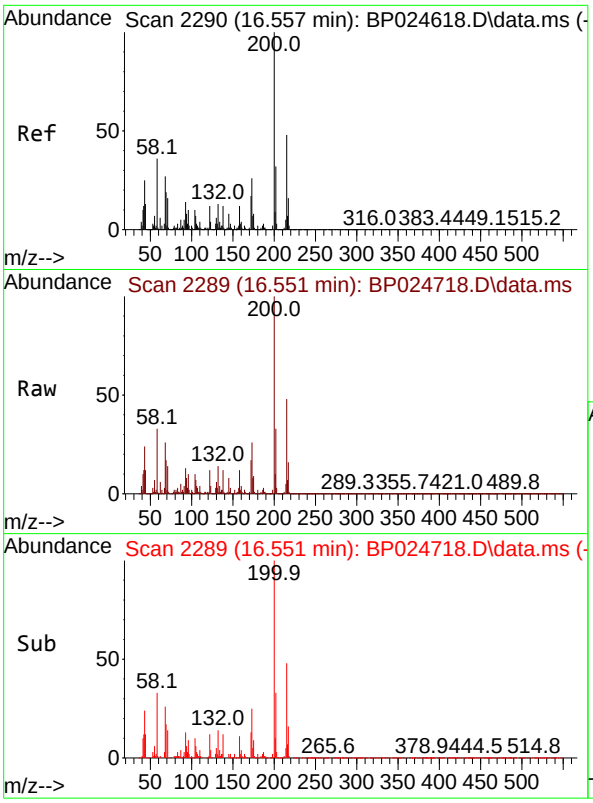




#68
Hexachlorobenzene
Concen: 40.587 ng
RT: 16.375 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:284 Resp: 367323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 30.6 | 25.9 | 38.9 |
| 249 | 29.2 | 24.1 | 36.1 |



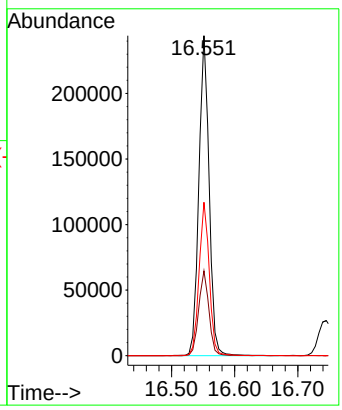


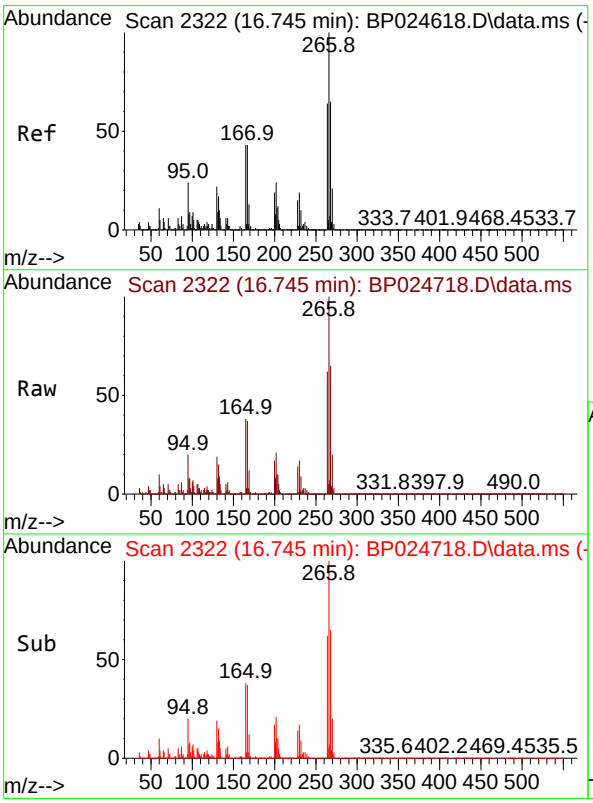

#69
Atrazine
Concen: 40.239 ng
RT: 16.551 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:200 Resp: 273779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.5 | 5.9 | 45.9 |
| 215 | 48.0 | 28.3 | 68.3 |

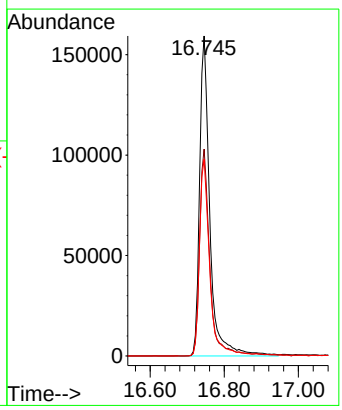


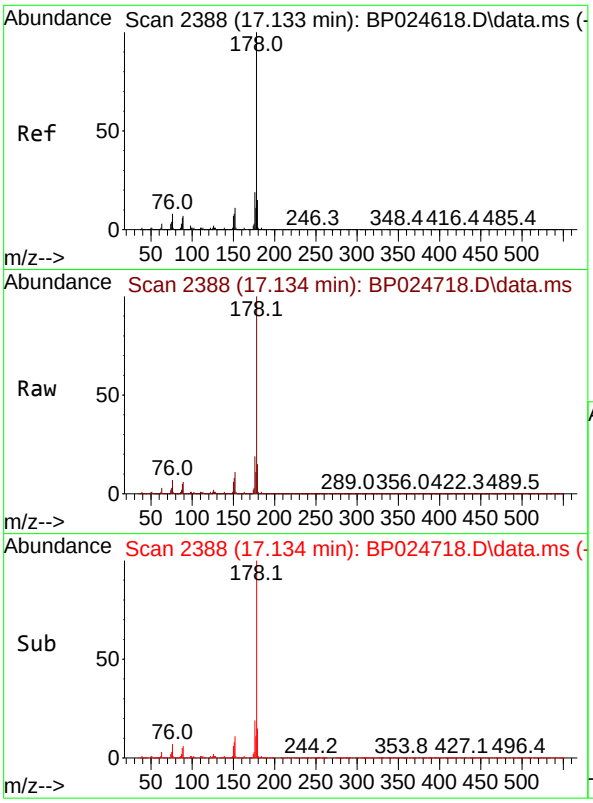




#70
Pentachlorophenol
Concen: 60.045 ng
RT: 16.745 min Scan# 2322
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:266 Resp: 305048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.7 | 52.2 | 78.4 |
| 264 | 61.5 | 51.1 | 76.7 |



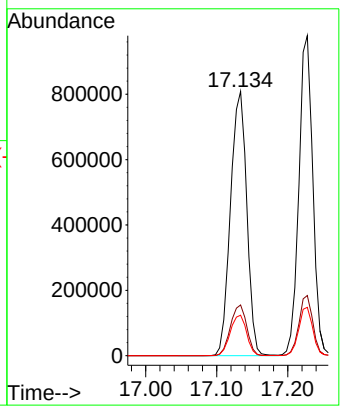


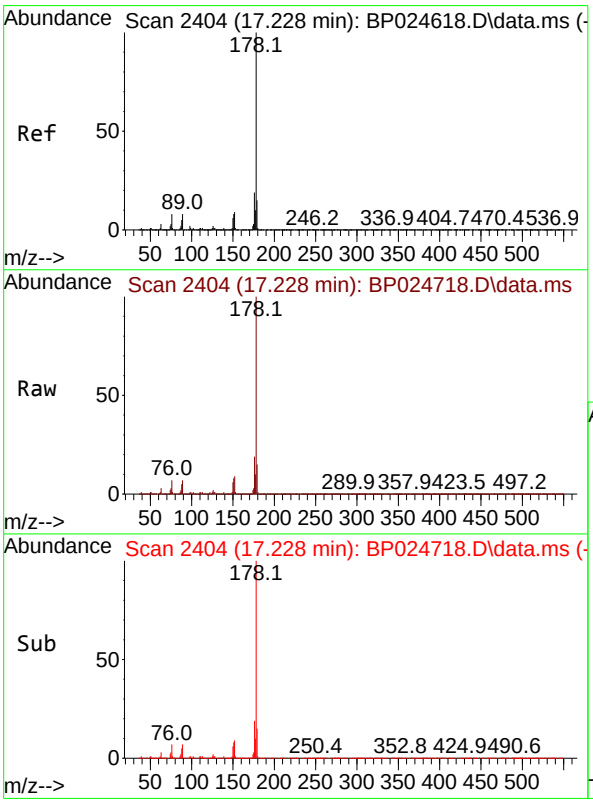

#71
Phenanthrene
Concen: 38.410 ng
RT: 17.134 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:178 Resp: 1290635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.4 | 23.2 |
| 179 | 15.3 | 12.2 | 18.4 |

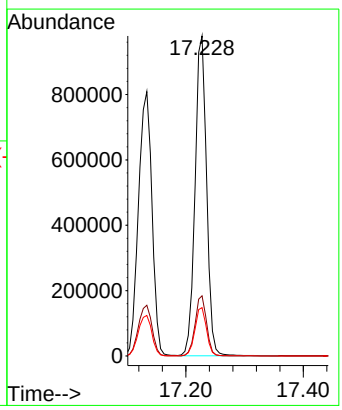


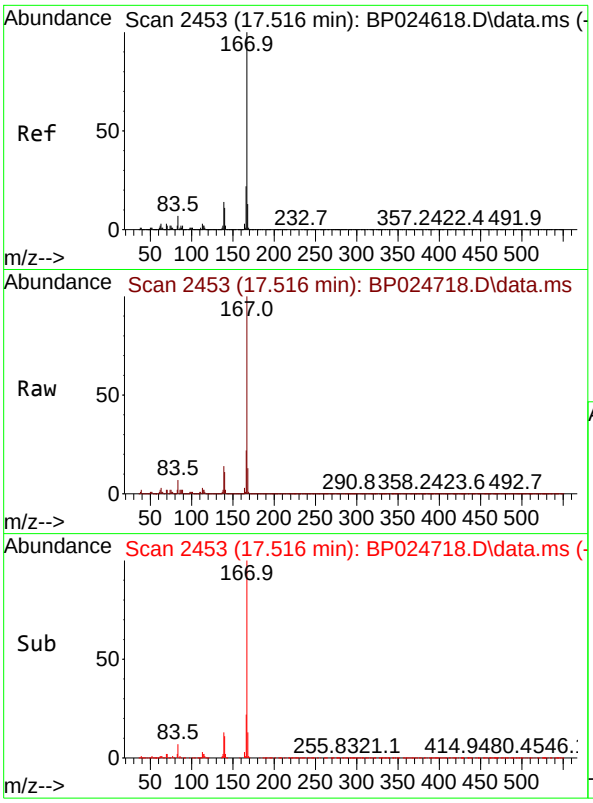




#72
Anthracene
Concen: 39.430 ng
RT: 17.228 min Scan# 2404
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:178 Resp: 1333010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.0 | 22.4 |
| 179 | 15.1 | 12.2 | 18.2 |



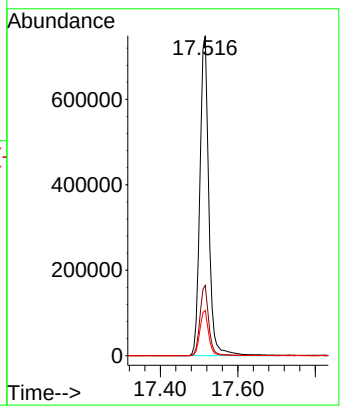


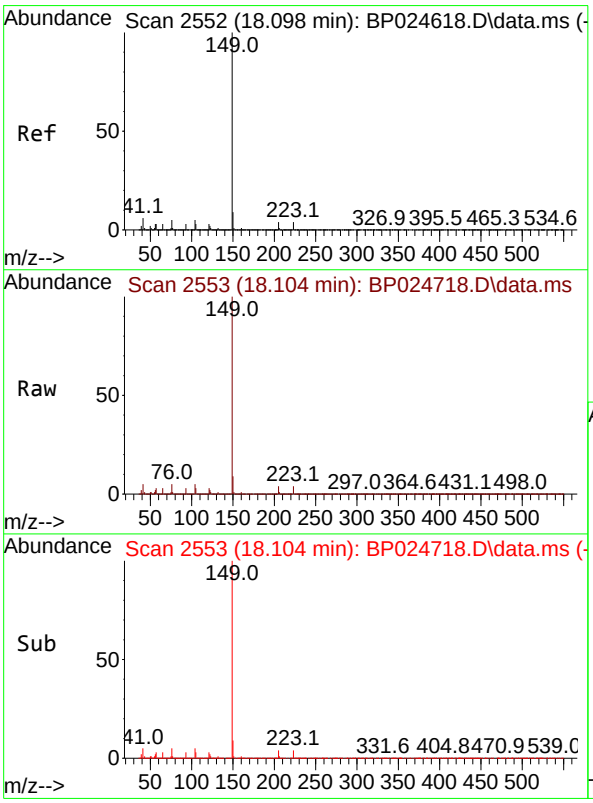

#73
Carbazole
Concen: 39.035 ng
RT: 17.516 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:167 Resp: 1194415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.0 | 17.7 | 26.5 |
| 139 | 14.2 | 11.3 | 16.9 |

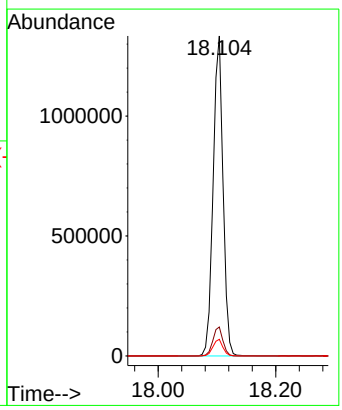


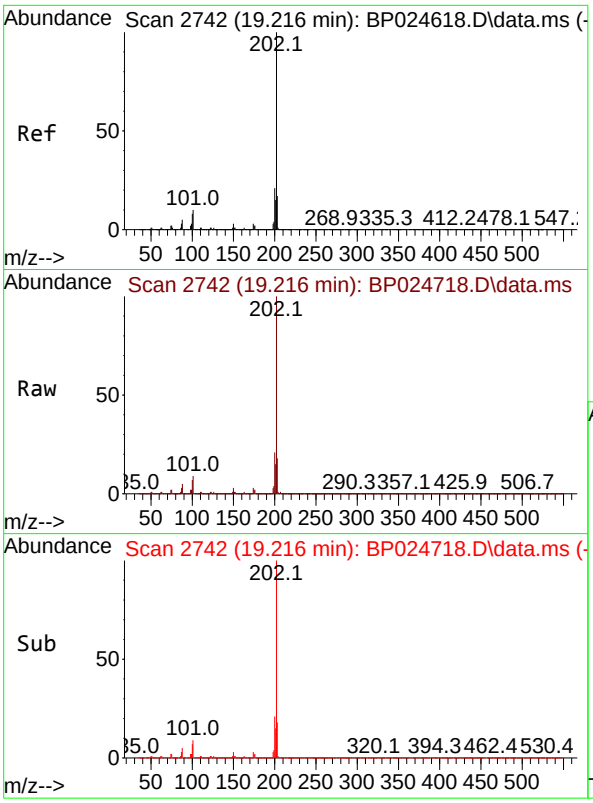




#74
Di-n-butylphthalate
Concen: 39.599 ng
RT: 18.104 min Scan# 2553
Delta R.T. 0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:149 Resp: 1558306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.0 | 7.2 | 10.8 |
| 104 | 5.2 | 4.3 | 6.5 |



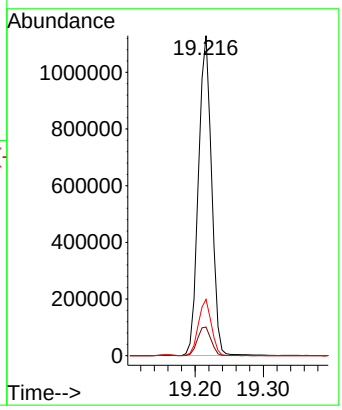


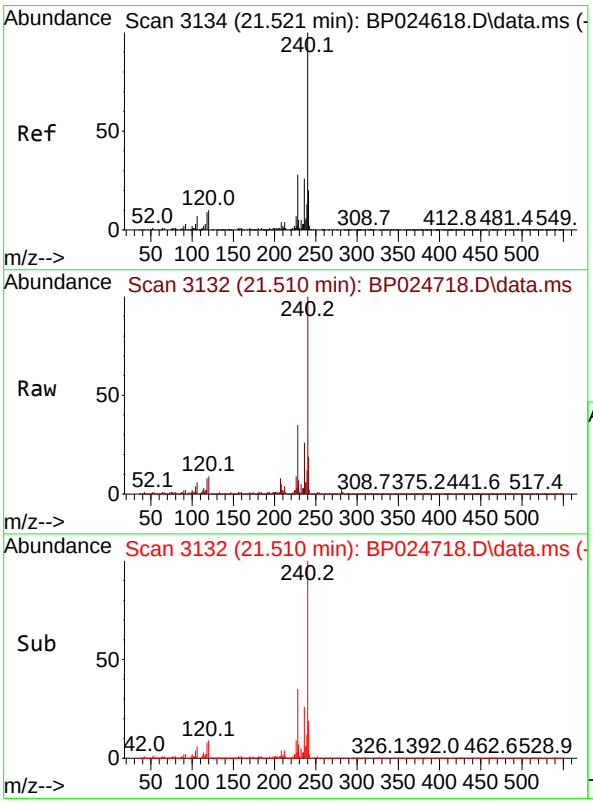

#75
Fluoranthene
Concen: 38.550 ng
RT: 19.216 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:202 Resp: 1514175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.0 | 0.0 | 30.3 |
| 203 | 17.6 | 0.0 | 37.5 |

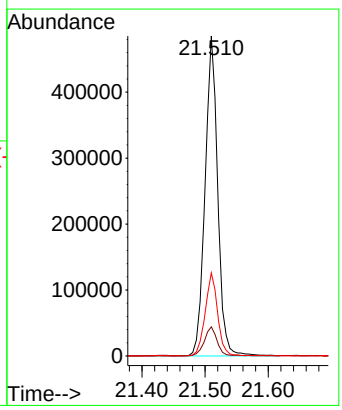


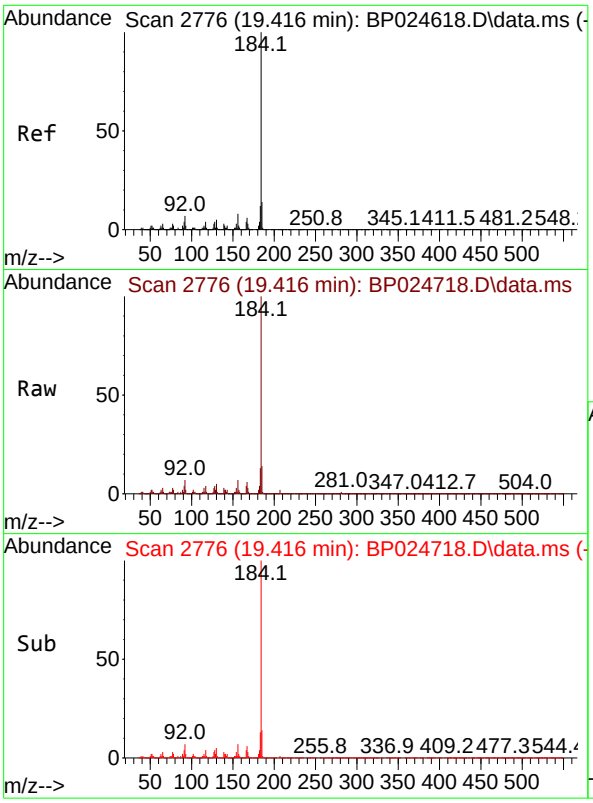




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.510 min Scan# 3132
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:240 Resp: 676763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.1 | 7.8 | 11.6 |
| 236 | 26.0 | 20.6 | 31.0 |



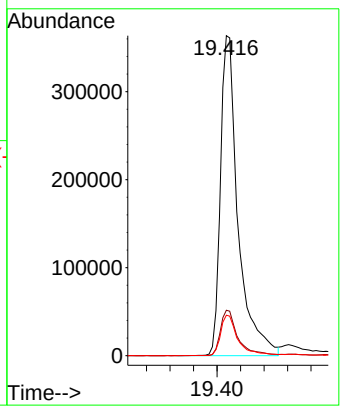


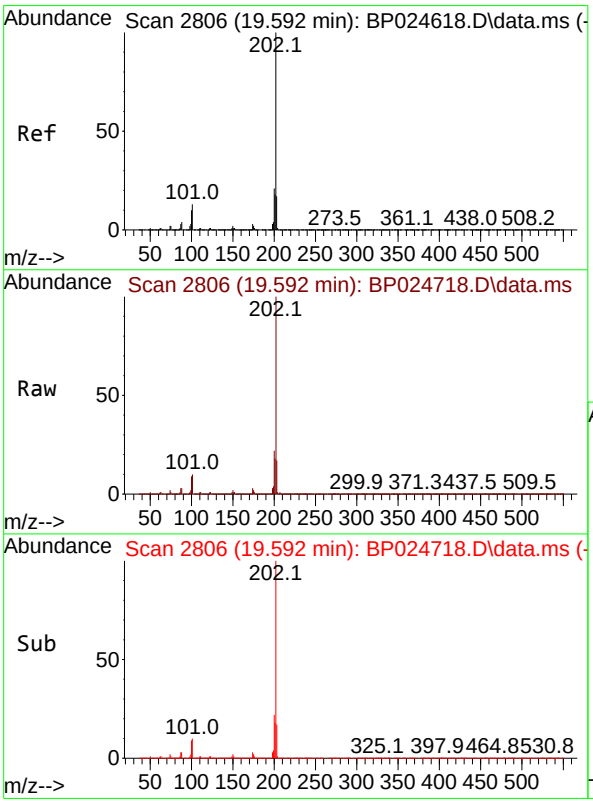

#77
Benzidine
Concen: 40.966 ng
RT: 19.416 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:184 Resp: 755105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.2 | 11.2 | 16.8 |
| 183 | 12.6 | 9.8 | 14.8 |

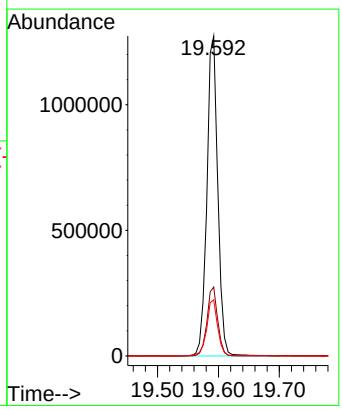


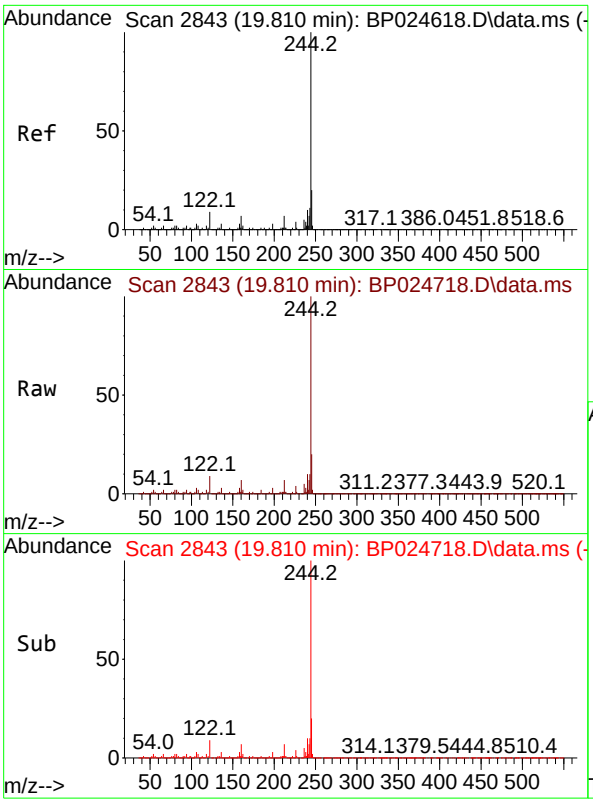




#78
Pyrene
Concen: 39.038 ng
RT: 19.592 min Scan# 2806
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:202 Resp: 1583011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.5 | 16.9 | 25.3 |
| 203 | 17.5 | 13.9 | 20.9 |



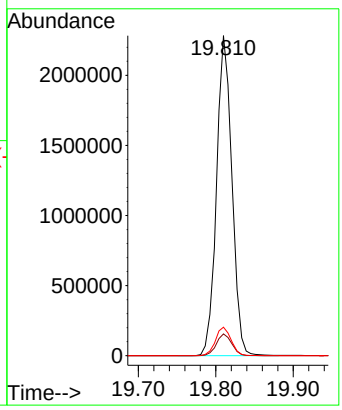


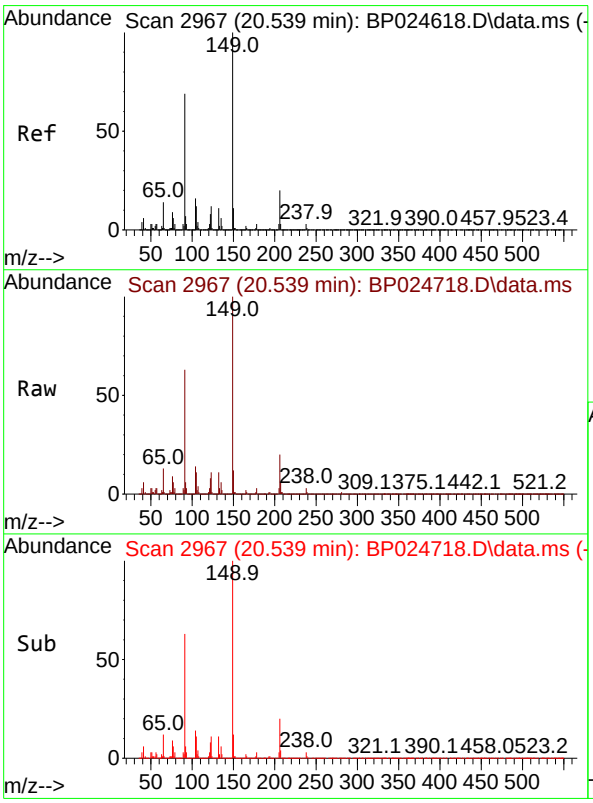

#79
Terphenyl-d14
Concen: 80.005 ng
RT: 19.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:244 Resp: 3157658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.5 | 8.3 |
| 122 | 8.9 | 7.4 | 11.0 |

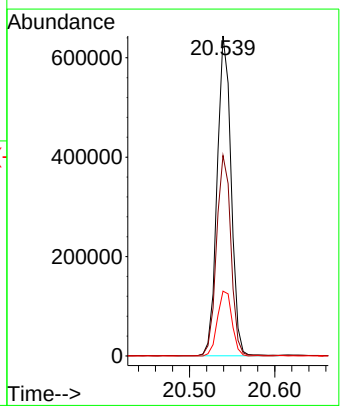


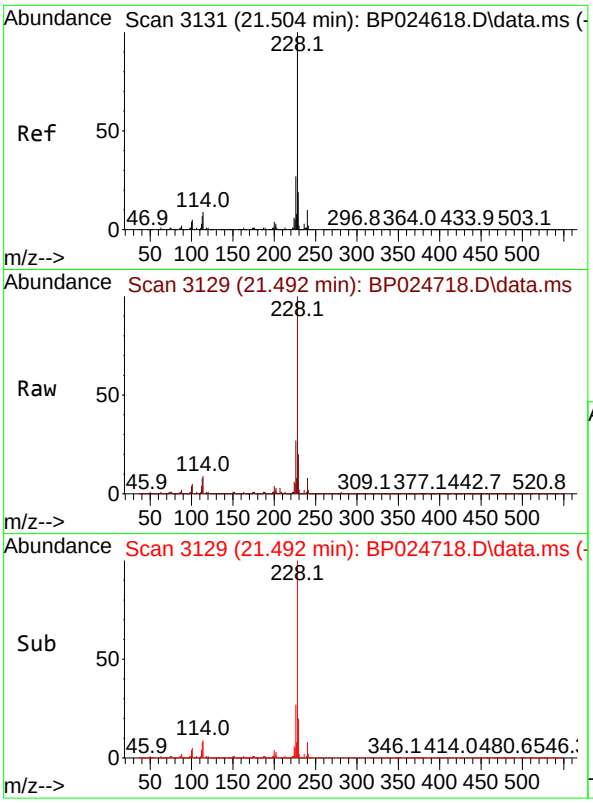




#80
Butylbenzylphthalate
Concen: 40.524 ng
RT: 20.539 min Scan# 2967
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:149 Resp: 730821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 62.7 | 55.4 | 83.0 |
| 206 | 20.3 | 16.2 | 24.2 |



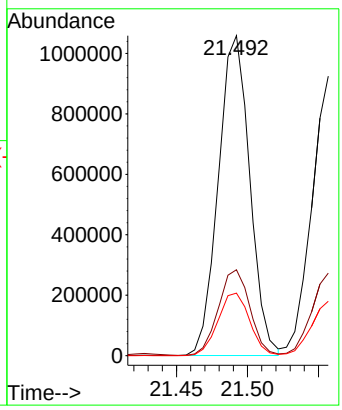


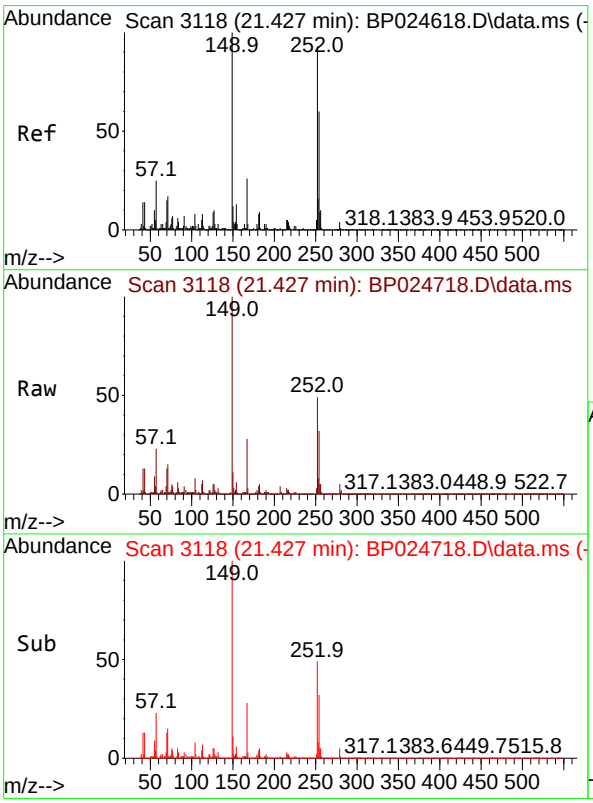

#81
Benzo(a)anthracene
Concen: 38.339 ng
RT: 21.492 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:228 Resp: 1629224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.9 | 21.4 | 32.0 |
| 229 | 19.6 | 15.5 | 23.3 |

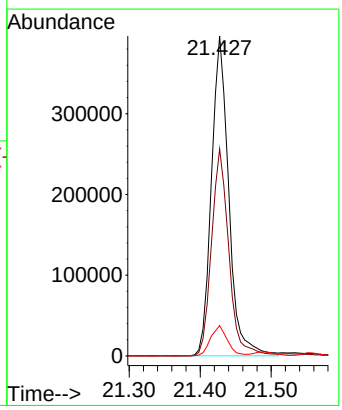


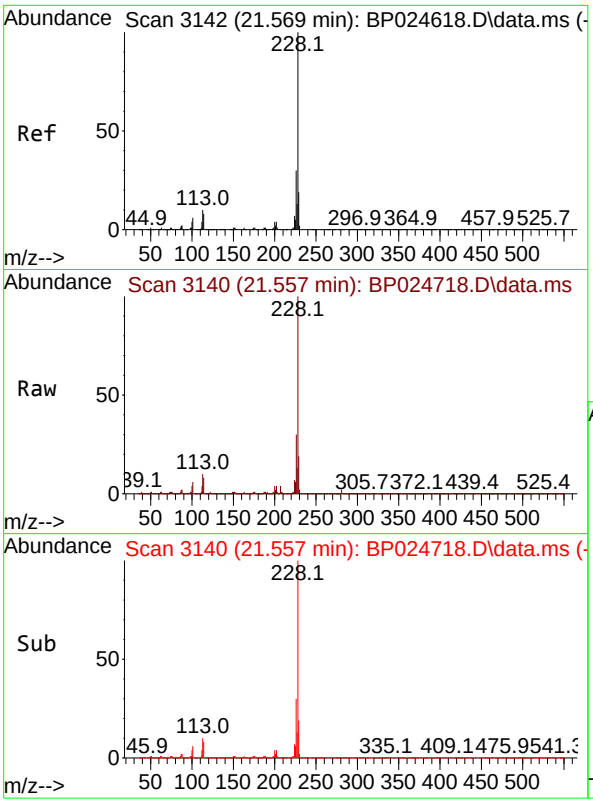




#82
3,3'-Dichlorobenzidine
Concen: 42.389 ng
RT: 21.427 min Scan# 3118
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:252 Resp: 669047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.7 | 51.8 | 77.6 |
| 126 | 9.5 | 7.7 | 11.5 |



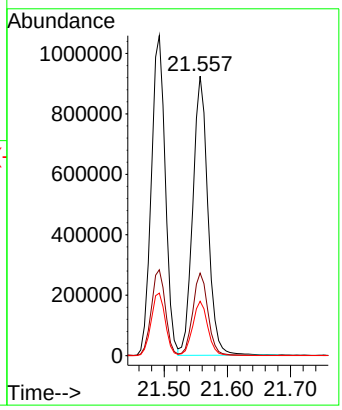


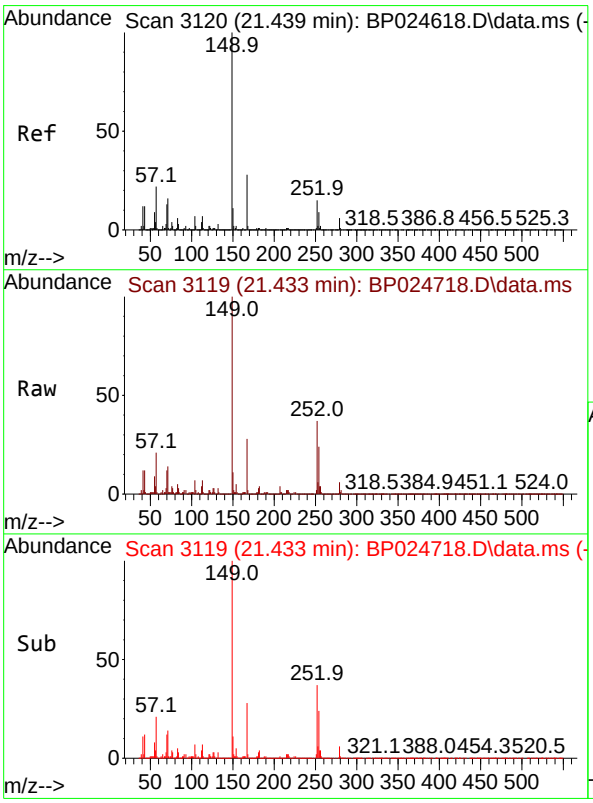

#83
Chrysene
Concen: 38.059 ng
RT: 21.557 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:228 Resp: 1533150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.6 | 23.9 | 35.9 |
| 229 | 19.5 | 15.5 | 23.3 |

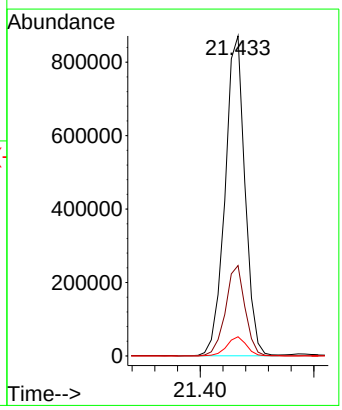


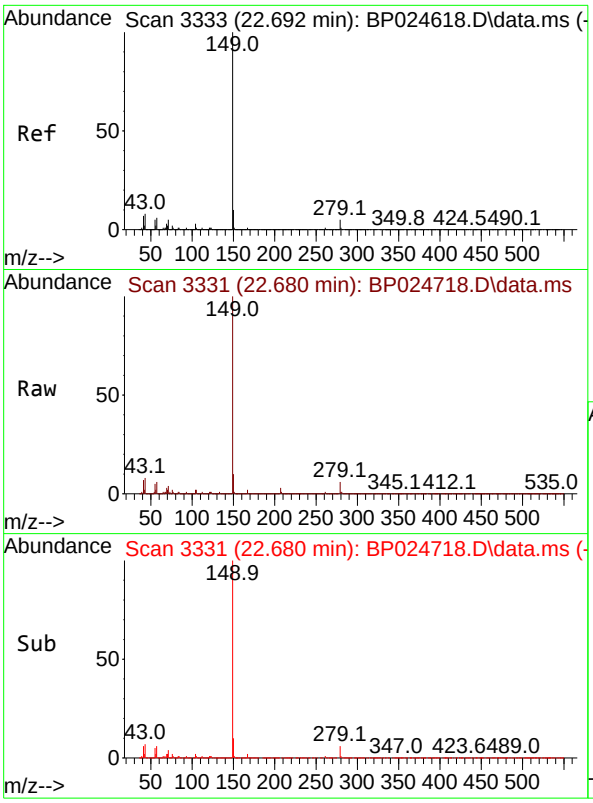




#84
Bis(2-ethylhexyl)phthalate
Concen: 39.893 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:149 Resp: 1057445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.2 | 22.1 | 33.1 |
| 279 | 6.0 | 4.6 | 6.8 |



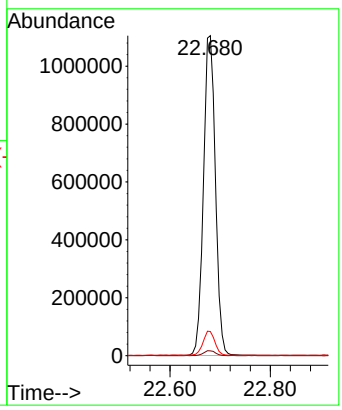


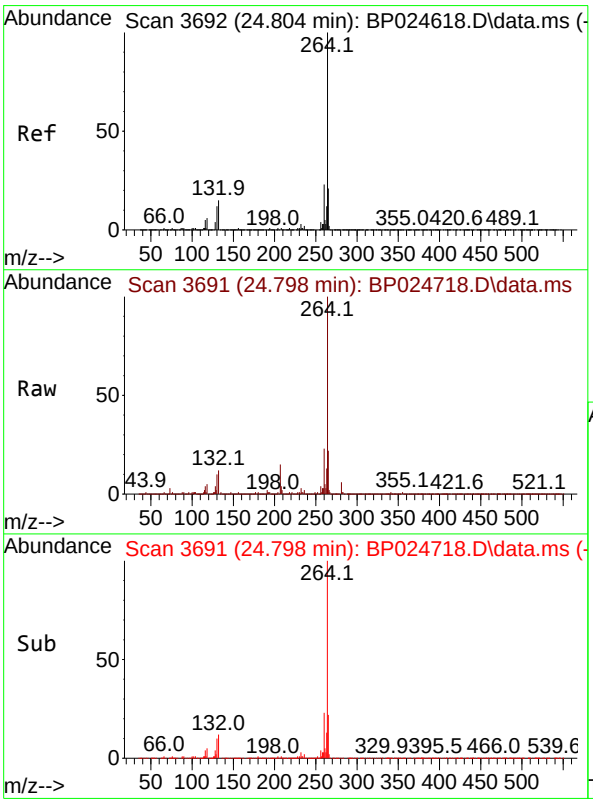

#85
Di-n-octyl phthalate
Concen: 42.130 ng
RT: 22.680 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:149 Resp: 1826217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.2 | 1.8 |
| 43 | 7.5 | 6.3 | 9.5 |

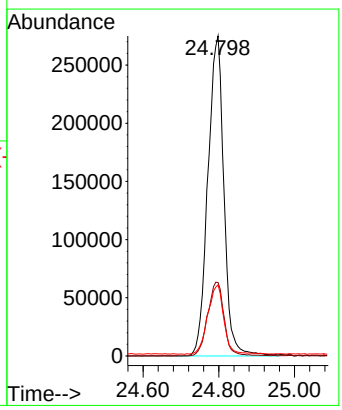


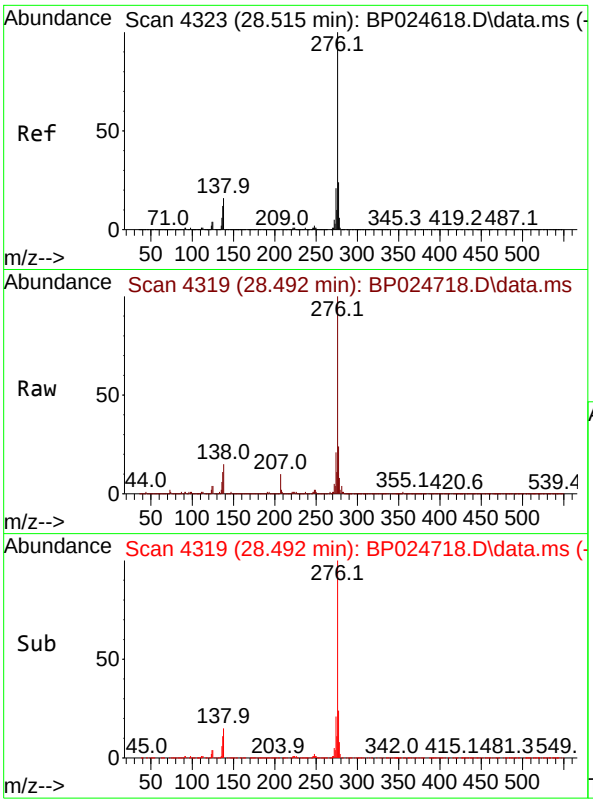




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.798 min Scan# 3691
Delta R.T. -0.006 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:264 Resp: 806749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.0 | 18.7 | 28.1 |
| 265 | 22.2 | 17.0 | 25.6 |



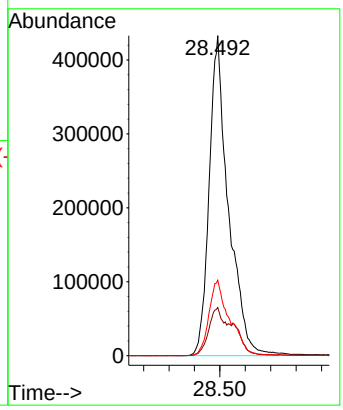


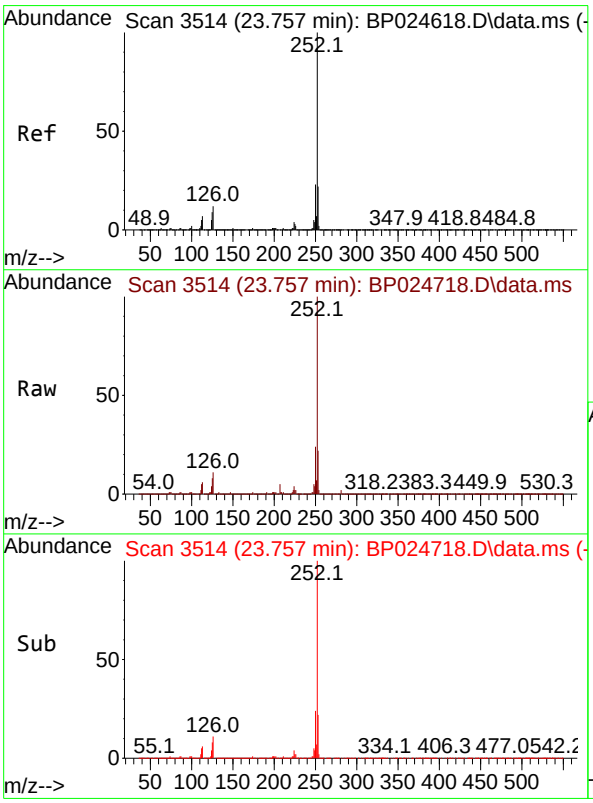

#87
Indeno(1,2,3-cd)pyrene
Concen: 38.541 ng
RT: 28.492 min Scan# 4
Delta R.T. -0.023 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:276 Resp: 2269964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 13.8 | 11.2 | 16.8 |
| 277 | 25.6 | 15.7 | 23.5# |

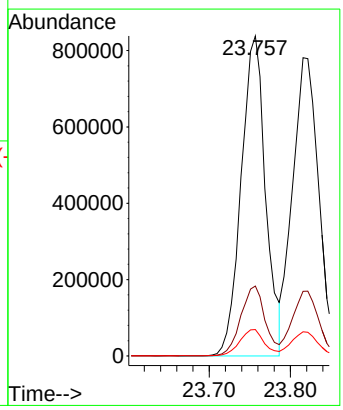


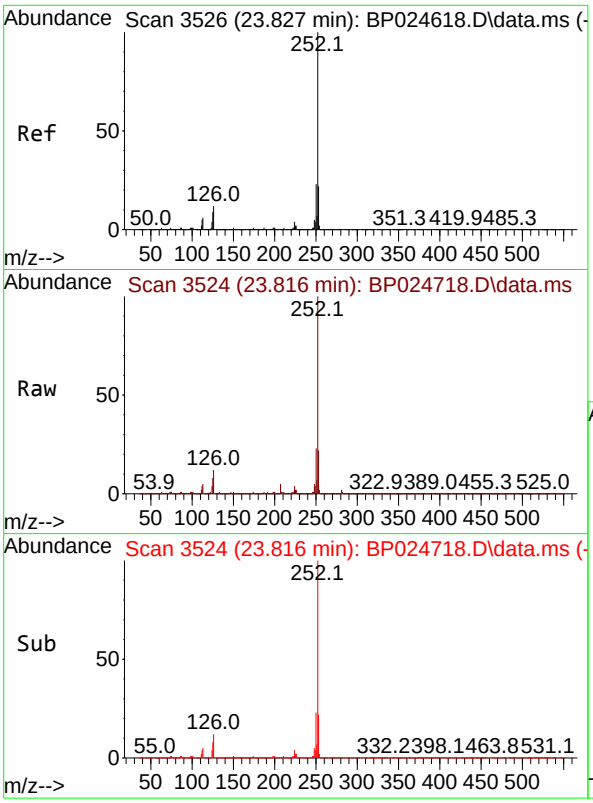




#88
Benzo(b)fluoranthene
Concen: 37.957 ng
RT: 23.757 min Scan# 3514
Delta R.T. 0.000 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:252 Resp: 1752739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.7 | 26.5 |
| 125 | 8.2 | 7.5 | 11.3 |



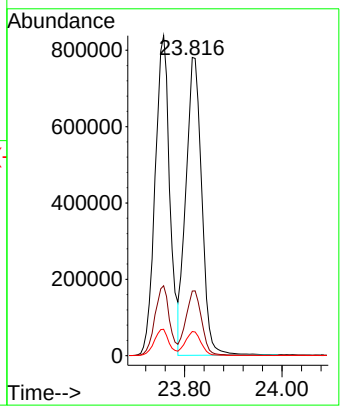


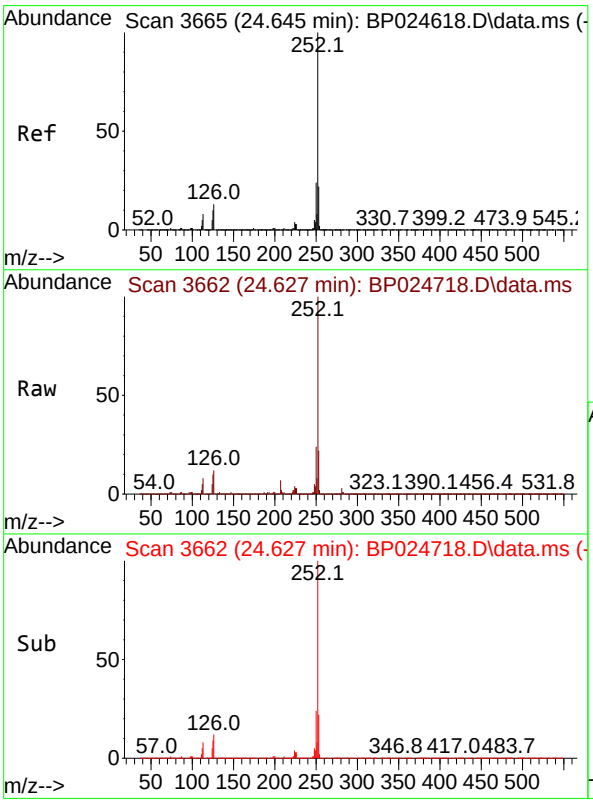

#89
Benzo(k)fluoranthene
Concen: 37.159 ng
RT: 23.816 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:252 Resp: 1768100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.6 | 26.4 |
| 125 | 8.1 | 7.0 | 10.4 |

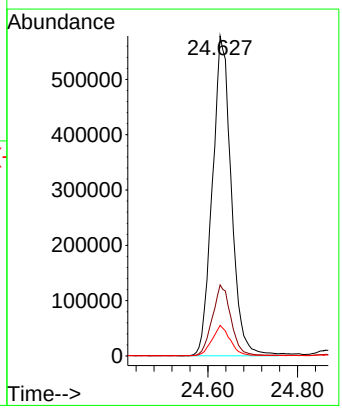


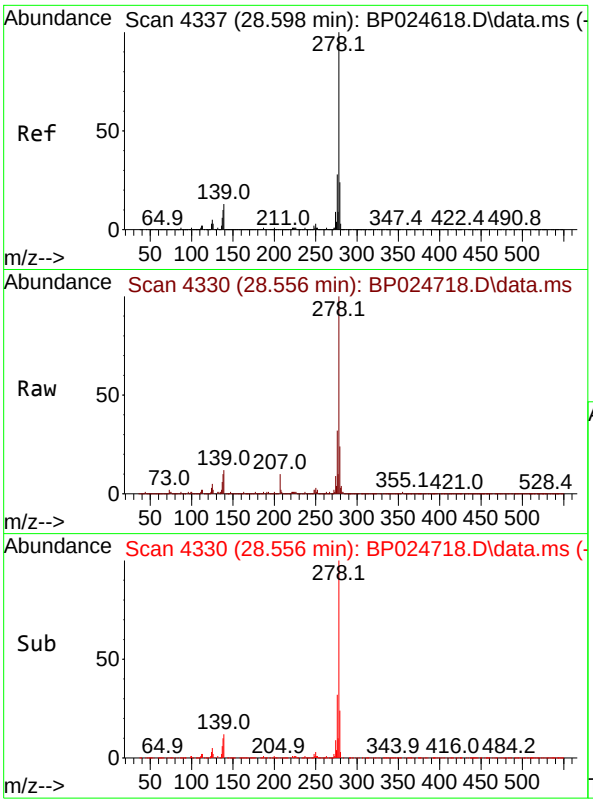




#90
Benzo(a)pyrene
Concen: 38.097 ng
RT: 24.627 min Scan# 3662
Delta R.T. -0.018 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:252 Resp: 1689563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.7 | 26.5 |
| 125 | 9.5 | 8.1 | 12.1 |



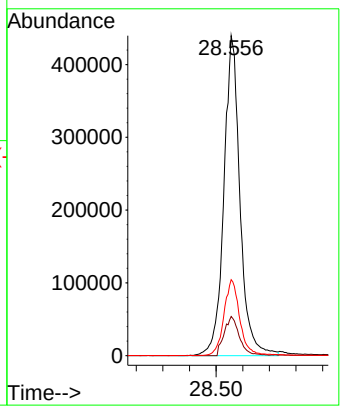


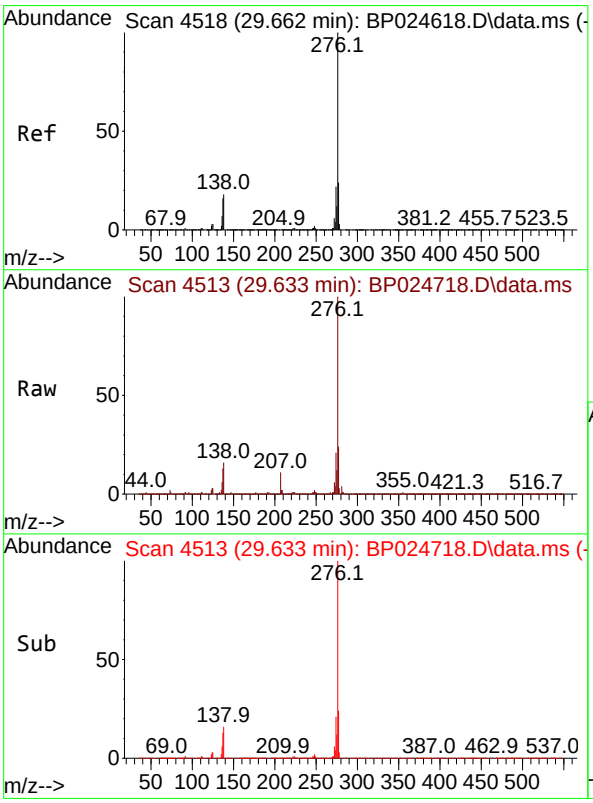

#91
Dibenzo(a,h)anthracene
Concen: 38.590 ng
RT: 28.556 min Scan# 4
Delta R.T. -0.041 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:278 Resp: 1849039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 12.3 | 10.2 | 15.4 |
| 279 | 23.7 | 19.0 | 28.4 |

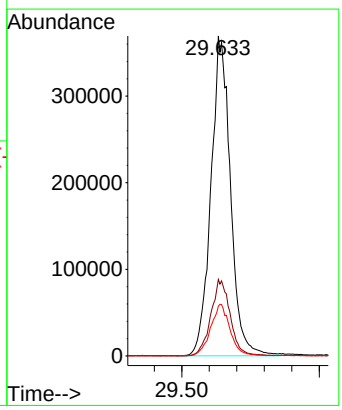



#92
Benzo(g,h,i)perylene
Concen: 38.090 ng
RT: 29.633 min Scan# 4513
Delta R.T. -0.029 min
Lab File: BP024718.D
Acq: 20 May 2025 22:04

Tgt Ion:276 Resp: 1814930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.9 | 19.0 | 28.4 |
| 138 | 15.5 | 14.4 | 21.6 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024718.D
Acq On : 20 May 2025 22:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: May 21 01:27:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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 | 91 | 0.00 |
| 2 | | 1,4-Dioxane | 0.549 | 0.467 | 14.9 | 85 | 0.00 |
| 3 | | Pyridine | 1.218 | 1.044 | 14.3 | 80 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.538 | 0.471 | 12.5 | 83 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.169 | 1.092 | 6.6 | 90 | 0.00 |
| 6 | | Aniline | 1.927 | 1.707 | 11.4 | 81 | -0.01 |
| 7 | S | Phenol-d6 | 1.492 | 1.356 | 9.1 | 84 | 0.00 |
| 8 | | 2-Chlorophenol | 1.327 | 1.268 | 4.4 | 89 | 0.00 |
| 9 | | Benzaldehyde | 0.966 | 0.838 | 13.3 | 80 | -0.01 |
| 10 | C | Phenol | 1.540 | 1.377 | 10.6 | 83 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.266 | 1.083 | 14.5 | 82 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.527 | 1.436 | 6.0 | 91 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.536 | 1.453 | 5.4 | 90 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.497 | 1.411 | 5.7 | 90 | -0.01 |
| 15 | | Benzyl Alcohol | 1.134 | 1.044 | 7.9 | 83 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.516 | 1.280 | 15.6 | 80 | -0.02 |
| 17 | | 2-Methylphenol | 1.105 | 1.025 | 7.2 | 85 | 0.00 |
| 18 | | Hexachloroethane | 0.589 | 0.534 | 9.3 | 89 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.032 | 0.882 | 14.5 | 77 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.503 | 1.386 | 7.8 | 84 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 86 | -0.01 |
| 22 | | Acetophenone | 0.500 | 0.457 | 8.6 | 82 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.396 | 0.354 | 10.6 | 80 | 0.00 |
| 24 | | Nitrobenzene | 0.348 | 0.305 | 12.4 | 78 | 0.00 |
| 25 | | Isophorone | 0.687 | 0.600 | 12.7 | 77 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.171 | 0.177 | -3.5 | 89 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 0.301 | 0.290 | 3.7 | 84 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.410 | 0.351 | 14.4 | 76 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.292 | 0.292 | 0.0 | 87 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.329 | 0.322 | 2.1 | 91 | -0.01 |
| 31 | | Naphthalene | 1.036 | 0.990 | 4.4 | 87 | -0.01 |
| 32 | | Benzoic acid | 0.181 | 0.175 | 3.3 | 79 | 0.01 |
| 33 | | 4-Chloroaniline | 0.418 | 0.409 | 2.2 | 84 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.213 | 0.212 | 0.5 | 93 | -0.01 |
| 35 | | Caprolactam | 0.106 | 0.103 | 2.8 | 82 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.356 | 0.345 | 3.1 | 84 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.671 | 0.644 | 4.0 | 87 | -0.01 |
| 38 | | 1-Methylnaphthalene | 0.718 | 0.689 | 4.0 | 86 | -0.01 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 85 | -0.02 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.581 | 0.572 | 1.5 | 88 | -0.01 |
| 41 | P | Hexachlorocyclopentadiene | 0.352 | 0.353 | -0.3 | 84 | -0.01 |
| 42 | S | 2,4,6-Tribromophenol | 0.339 | 0.363 | -7.1 | 95 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.376 | 0.399 | -6.1 | 91 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.419 | 0.440 | -5.0 | 92 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.527 | 1.493 | 2.2 | 88 | -0.01 |
| 46 | | 1,1'-Biphenyl | 1.478 | 1.442 | 2.4 | 89 | -0.01 |
| 47 | | 2-Chloronaphthalene | 1.127 | 1.121 | 0.5 | 89 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024718.D
Acq On : 20 May 2025 22:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: May 21 01:27:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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 | 0.334 | 0.327 | 2.1 | 83 | -0.01 |
| 49 | | Acenaphthylene | 1.886 | 1.808 | 4.1 | 85 | -0.02 |
| 50 | | Dimethylphthalate | 1.524 | 1.441 | 5.4 | 84 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 0.322 | 0.307 | 4.7 | 84 | -0.02 |
| 52 | C | Acenaphthene | 1.084 | 1.038 | 4.2 | 86 | -0.02 |
| 53 | | 3-Nitroaniline | 0.329 | 0.314 | 4.6 | 78 | -0.02 |
| 54 | P | 2,4-Dinitrophenol | 0.169 | 0.154 | 8.9 | 76 | 0.00 |
| 55 | | Dibenzofuran | 1.730 | 1.664 | 3.8 | 86 | -0.01 |
| 56 | P | 4-Nitrophenol | 0.250 | 0.339 | -35.6# | 112 | 0.02 |
| 57 | | 2,4-Dinitrotoluene | 0.454 | 0.455 | -0.2 | 85 | -0.02 |
| 58 | | Fluorene | 1.410 | 1.366 | 3.1 | 87 | -0.01 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.388 | 0.398 | -2.6 | 89 | -0.01 |
| 60 | | Diethylphthalate | 1.541 | 1.454 | 5.6 | 85 | -0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 0.703 | 0.687 | 2.3 | 89 | -0.02 |
| 62 | | 4-Nitroaniline | 0.317 | 0.313 | 1.3 | 81 | 0.00 |
| 63 | | Azobenzene | 1.318 | 1.182 | 10.3 | 80 | -0.01 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 84 | -0.01 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.129 | 0.126 | 2.3 | 82 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.614 | 0.608 | 1.0 | 86 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 0.236 | 0.239 | -1.3 | 89 | 0.00 |
| 68 | | Hexachlorobenzene | 0.299 | 0.304 | -1.7 | 91 | 0.00 |
| 69 | | Atrazine | 0.225 | 0.226 | -0.4 | 88 | 0.00 |
| 70 | C | Pentachlorophenol | 0.168 | 0.252 | -50.0# | 124 | 0.00 |
| 71 | | Phenanthrene | 1.112 | 1.068 | 4.0 | 86 | 0.00 |
| 72 | | Anthracene | 1.119 | 1.103 | 1.4 | 86 | 0.00 |
| 73 | | Carbazole | 1.012 | 0.988 | 2.4 | 83 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.302 | 1.289 | 1.0 | 86 | 0.00 |
| 75 | C | Fluoranthene | 1.300 | 1.253 | 3.6 | 84 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 83 | -0.01 |
| 77 | | Benzidine | 0.545 | 0.558 | -2.4 | 83 | 0.00 |
| 78 | | Pyrene | 1.198 | 1.170 | 2.3 | 85 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.166 | 1.166 | 0.0 | 87 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.533 | 0.540 | -1.3 | 85 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.256 | 1.204 | 4.1 | 83 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 0.466 | 0.494 | -6.0 | 86 | 0.00 |
| 83 | | Chrysene | 1.190 | 1.133 | 4.8 | 84 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.783 | 0.781 | 0.3 | 85 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.281 | 1.349 | -5.3 | 88 | -0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.460 | 1.407 | 3.6 | 86 | -0.02 |
| 88 | | Benzo(b)fluoranthene | 1.145 | 1.086 | 5.2 | 85 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.180 | 1.096 | 7.1 | 83 | -0.01 |
| 90 | C | Benzo(a)pyrene | 1.099 | 1.047 | 4.7 | 85 | -0.02 |
| 91 | | Dibenzo(a,h)anthracene | 1.188 | 1.146 | 3.5 | 85 | -0.04 |
| 92 | | Benzo(g,h,i)perylene | 1.181 | 1.125 | 4.7 | 85 | -0.03 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024718.D
Acq On : 20 May 2025 22:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: May 21 01:27:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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_P\Data\BP052025\
Data File : BP024718.D
Acq On : 20 May 2025 22:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: May 21 01:27:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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 | 91 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 34.016 | 15.0 | 85 | 0.00 |
| 3 | | Pyridine | 40.000 | 34.312 | 14.2 | 80 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 35.054 | 12.4 | 83 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 74.735 | 6.6 | 90 | 0.00 |
| 6 | | Aniline | 40.000 | 35.441 | 11.4 | 81 | -0.01 |
| 7 | S | Phenol-d6 | 80.000 | 72.673 | 9.2 | 84 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.194 | 4.5 | 89 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 34.708 | 13.2 | 80 | -0.01 |
| 10 | C | Phenol | 40.000 | 35.753 | 10.6 | 83 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 34.217 | 14.5 | 82 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 37.621 | 5.9 | 91 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 37.843 | 5.4 | 90 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 37.708 | 5.7 | 90 | -0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 36.812 | 8.0 | 83 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 33.787 | 15.5 | 80 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 37.108 | 7.2 | 85 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 36.268 | 9.3 | 89 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 34.163 | 14.6 | 77 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 36.887 | 7.8 | 84 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 86 | -0.01 |
| 22 | | Acetophenone | 40.000 | 36.567 | 8.6 | 82 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 71.601 | 10.5 | 80 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 34.974 | 12.6 | 78 | 0.00 |
| 25 | | Isophorone | 40.000 | 34.945 | 12.6 | 77 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.534 | -3.8 | 89 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.501 | 3.7 | 84 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 34.237 | 14.4 | 76 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.085 | -0.2 | 87 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.166 | 2.1 | 91 | -0.01 |
| 31 | | Naphthalene | 40.000 | 38.195 | 4.5 | 87 | -0.01 |
| 32 | | Benzoic acid | 40.000 | 35.667 | 10.8 | 79 | 0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 39.153 | 2.1 | 84 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.924 | 0.2 | 93 | -0.01 |
| 35 | | Caprolactam | 40.000 | 39.146 | 2.1 | 82 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.826 | 2.9 | 84 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.402 | 4.0 | 87 | -0.01 |
| 38 | | 1-Methylnaphthalene | 40.000 | 38.364 | 4.1 | 86 | -0.01 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 85 | -0.02 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.405 | 1.5 | 88 | -0.01 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 40.091 | -0.2 | 84 | -0.01 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 85.567 | -7.0 | 95 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 42.455 | -6.1 | 91 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 41.995 | -5.0 | 92 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 78.240 | 2.2 | 88 | -0.01 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.030 | 2.4 | 89 | -0.01 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.767 | 0.6 | 89 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024718.D
Acq On : 20 May 2025 22:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: May 21 01:27:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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 | 39.247 | 1.9 | 83 | -0.01 |
| 49 | | Acenaphthylene | 40.000 | 38.344 | 4.1 | 85 | -0.02 |
| 50 | | Dimethylphthalate | 40.000 | 37.801 | 5.5 | 84 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 38.189 | 4.5 | 84 | -0.02 |
| 52 | C | Acenaphthene | 40.000 | 38.281 | 4.3 | 86 | -0.02 |
| 53 | | 3-Nitroaniline | 40.000 | 38.181 | 4.5 | 78 | -0.02 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 34.279 | 14.3 | 76 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 38.480 | 3.8 | 86 | -0.01 |
| 56 | P | 4-Nitrophenol | 40.000 | 49.318 | -23.3 | 112 | 0.02 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 40.118 | -0.3 | 85 | -0.02 |
| 58 | | Fluorene | 40.000 | 38.752 | 3.1 | 87 | -0.01 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.990 | -2.5 | 89 | -0.01 |
| 60 | | Diethylphthalate | 40.000 | 37.754 | 5.6 | 85 | -0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 39.049 | 2.4 | 89 | -0.02 |
| 62 | | 4-Nitroaniline | 40.000 | 39.479 | 1.3 | 81 | 0.00 |
| 63 | | Azobenzene | 40.000 | 35.857 | 10.4 | 80 | -0.01 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 84 | -0.01 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 38.869 | 2.8 | 82 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.573 | 1.1 | 86 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 40.631 | -1.6 | 89 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 40.587 | -1.5 | 91 | 0.00 |
| 69 | | Atrazine | 40.000 | 40.239 | -0.6 | 88 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 60.045 | -50.1# | 124 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 38.410 | 4.0 | 86 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.430 | 1.4 | 86 | 0.00 |
| 73 | | Carbazole | 40.000 | 39.035 | 2.4 | 83 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 39.599 | 1.0 | 86 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 38.550 | 3.6 | 84 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 83 | -0.01 |
| 77 | | Benzidine | 40.000 | 40.966 | -2.4 | 83 | 0.00 |
| 78 | | Pyrene | 40.000 | 39.038 | 2.4 | 85 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 80.005 | -0.0 | 87 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 40.524 | -1.3 | 85 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 38.339 | 4.2 | 83 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 42.389 | -6.0 | 86 | 0.00 |
| 83 | | Chrysene | 40.000 | 38.059 | 4.9 | 84 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.893 | 0.3 | 85 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 42.130 | -5.3 | 88 | -0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 87 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.541 | 3.6 | 86 | -0.02 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 37.957 | 5.1 | 85 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 37.159 | 7.1 | 83 | -0.01 |
| 90 | C | Benzo(a)pyrene | 40.000 | 38.097 | 4.8 | 85 | -0.02 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 38.590 | 3.5 | 85 | -0.04 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 38.090 | 4.8 | 85 | -0.03 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024718.D
Acq On : 20 May 2025 22:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: May 21 01:27:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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 = 1

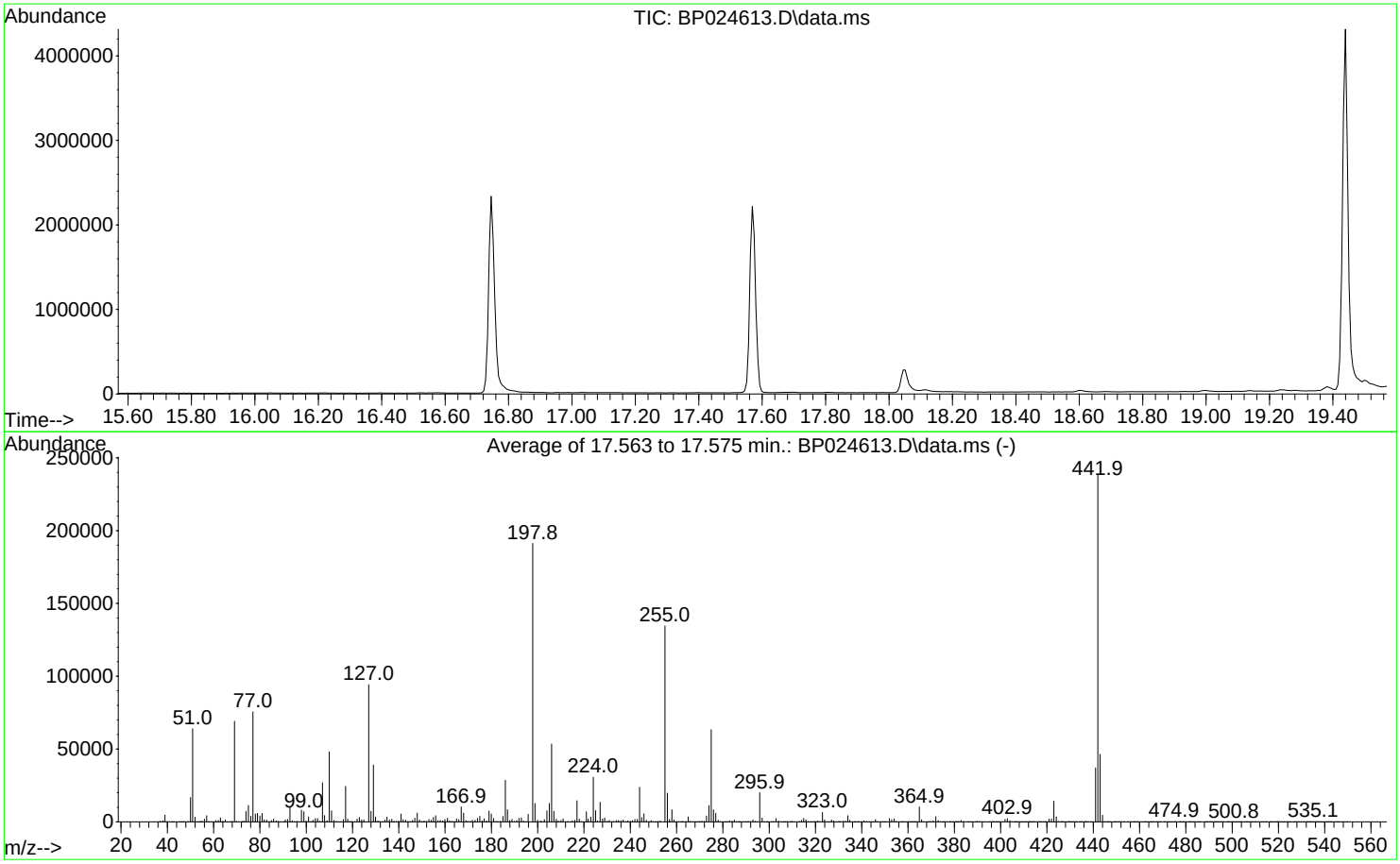
# QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024613.D
Acq On : 13 May 2025 10:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 13 16:21:39 2025



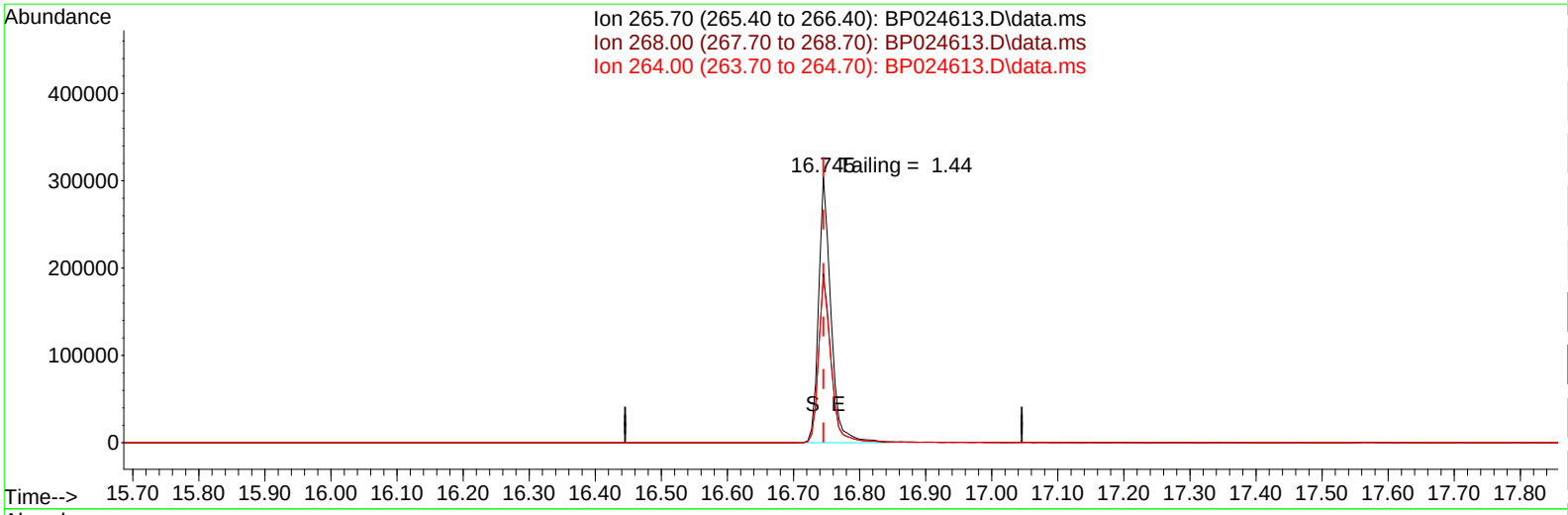

AutoFind: Scans 2461, 2462, 2463; Background Corrected with Scan 2449

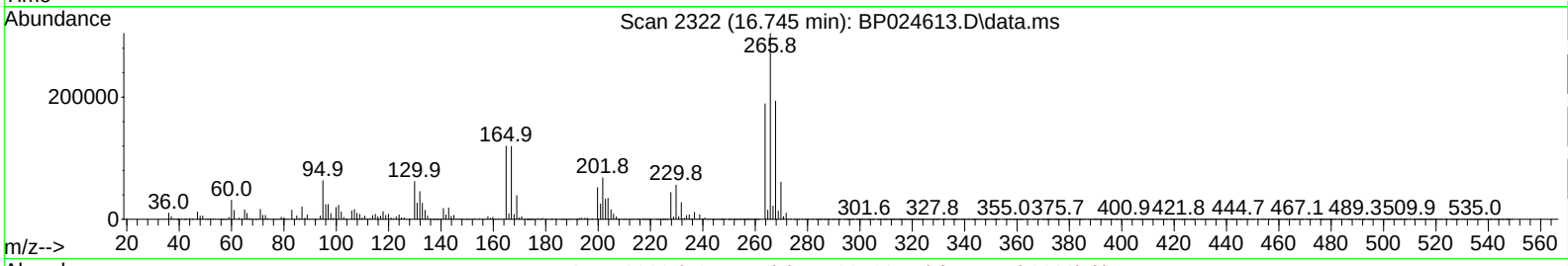
| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 33.5 | 63968 | PASS |
| 68 | 69 | 0.00 | 2 | 0.6 | 438 | PASS |
| 69 | 198 | 0.00 | 100 | 36.2 | 69152 | PASS |
| 70 | 69 | 0.00 | 2 | 0.6 | 419 | PASS |
| 127 | 198 | 10 | 80 | 49.3 | 94192 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 191223 | PASS |
| 199 | 198 | 5 | 9 | 6.6 | 12661 | PASS |
| 275 | 198 | 10 | 60 | 33.1 | 63293 | PASS |
| 365 | 198 | 1 | 100 | 5.4 | 10286 | PASS |
| 441 | 198 | 0.01 | 100 | 19.4 | 37080 | PASS |
| 442 | 442 | 100 | 100 | 100.0 | 238569 | PASS |
| 443 | 442 | 15 | 24 | 19.4 | 46397 | PASS |

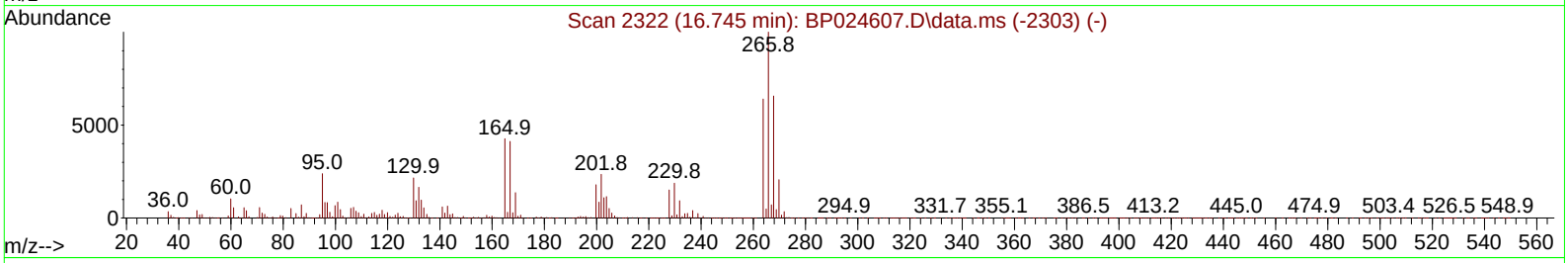
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024613.D
Acq On : 13 May 2025 10:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
DFTPP

Quant Time: May 13 12:28:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 12:28:24 2025
Response via : Initial Calibration




TIC: BP024613.D\data.ms

**(70) Pentachlorophenol (C)**

**16.745min (-0.000) 42670.46 ng**

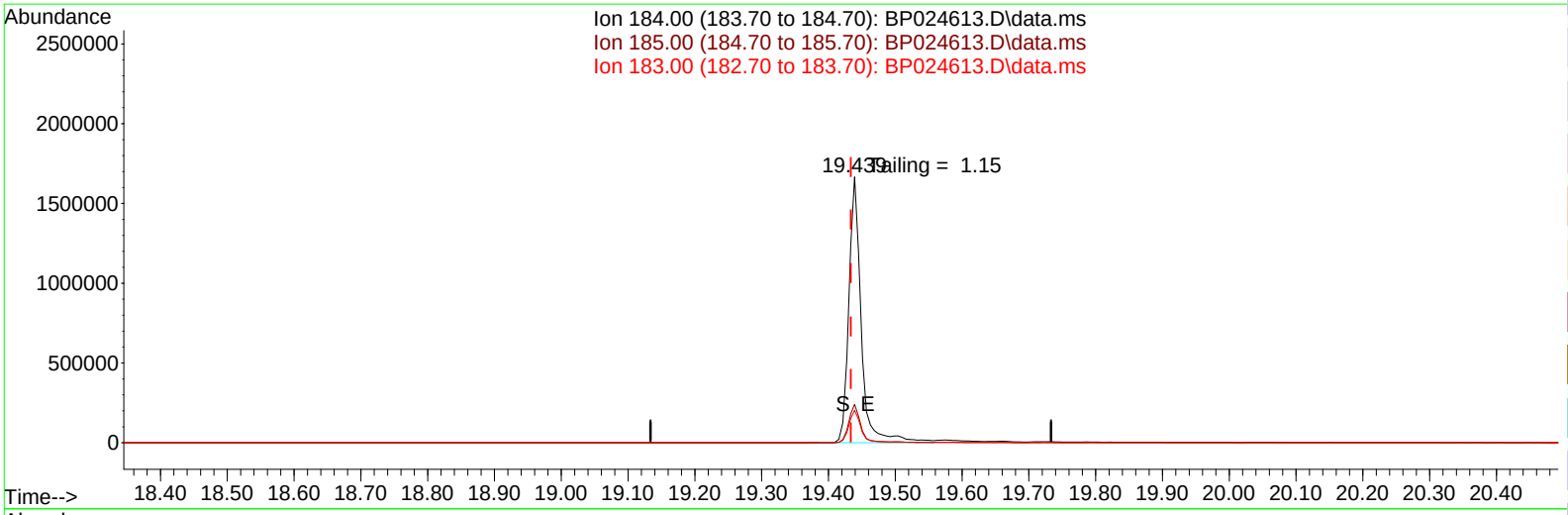
**response 398426**

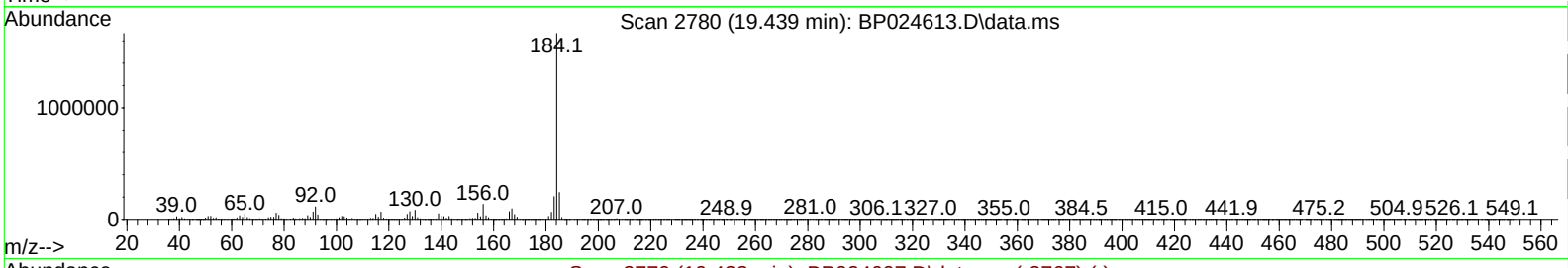
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 65.60 | 63.59 |
| 264.00 | 64.00 | 62.12 |
| 0.00 | 0.00 | 0.00 |

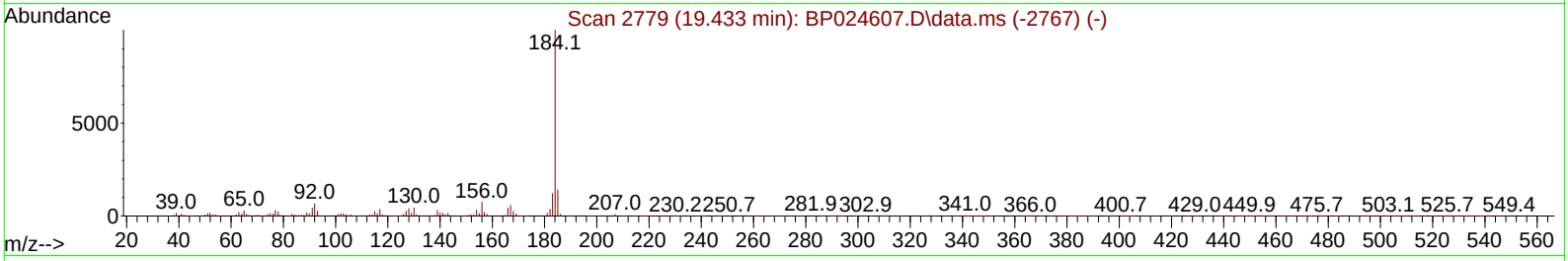
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024613.D
Acq On : 13 May 2025 10:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
DFTPP

Quant Time: May 13 12:28:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 12:28:24 2025
Response via : Initial Calibration




TIC: BP024613.D\data.ms

**(77) Benzidine**

**19.439min (+ 0.006) 5637.89 ng**

**response 2074486**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.10 | 14.46 |
| 183.00 | 12.10 | 12.23 |
| 0.00 | 0.00 | 0.00 |

**Instrument :**
BNA_P
**ClientSampleId :**
DFTPP

## DDT Breakdown

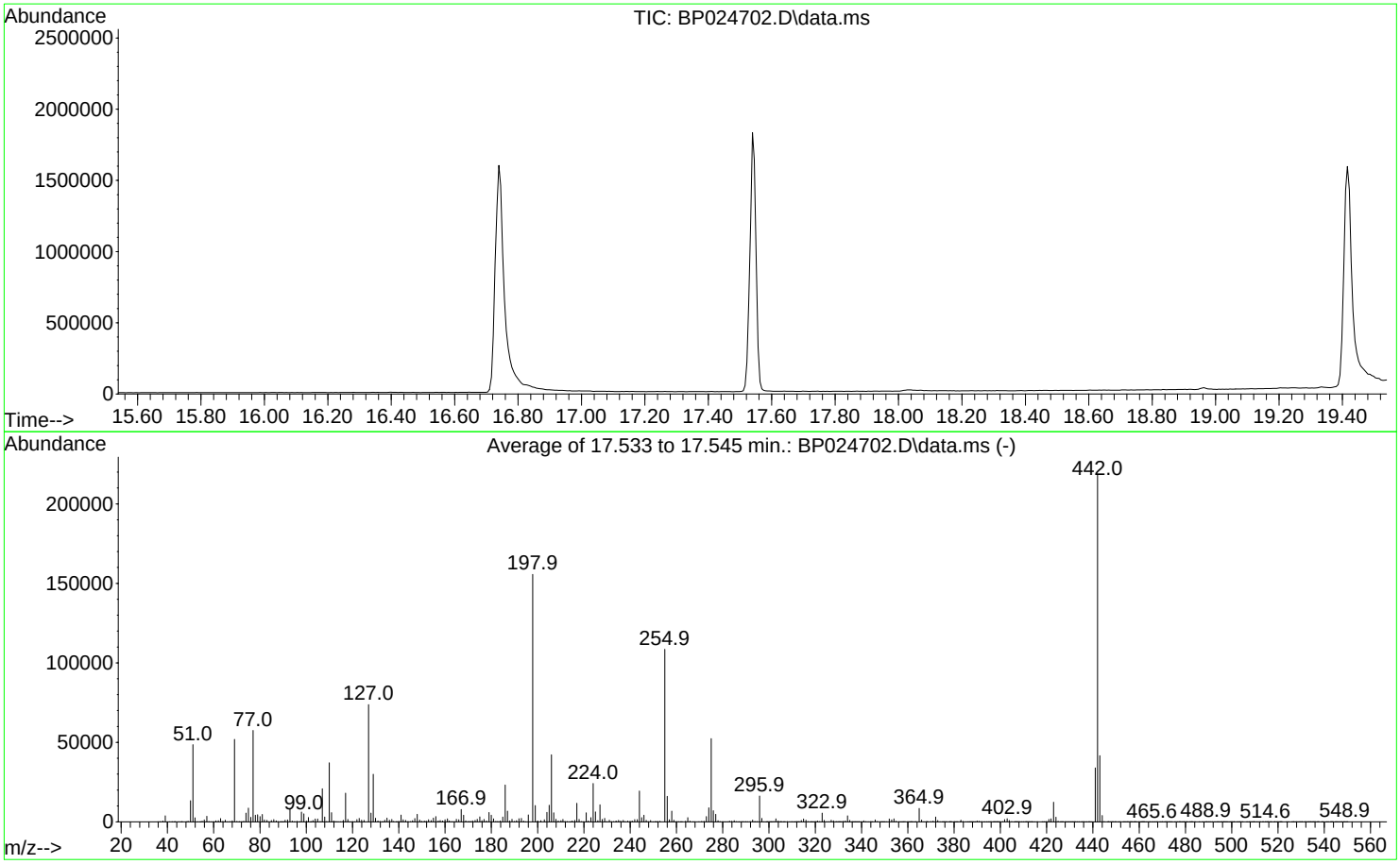
| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 5/13/2025 | BNA_P | BP024613.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 750509 | 20.716 |
| DDD | 13774 | 20.269 |
| DDE | 1248 | 19.733 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 15022 | 765531 | 1.96 |
| | | |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024702.D
Acq On : 20 May 2025 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 13 16:21:39 2025



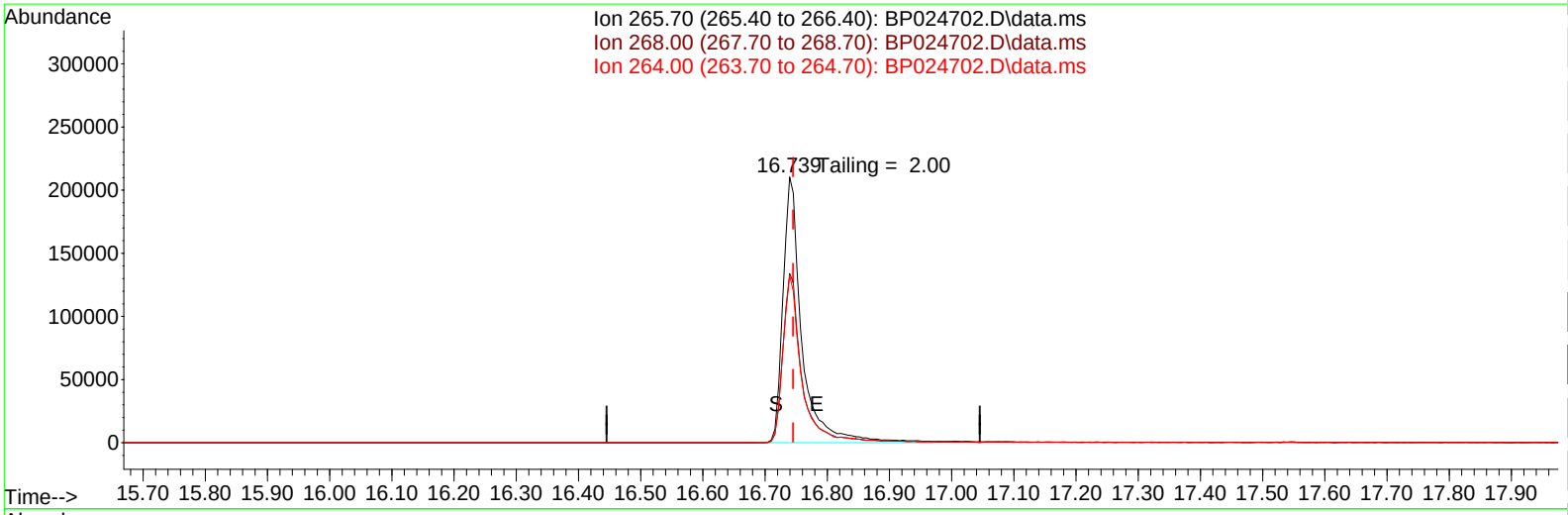

AutoFind: Scans 2456, 2457, 2458; Background Corrected with Scan 2447

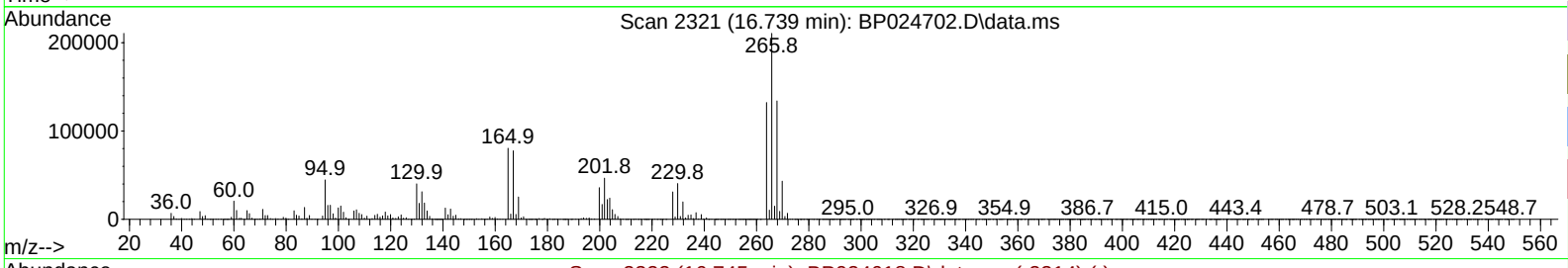
| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 31.2 | 48558 | PASS |
| 68 | 69 | 0.00 | 2 | 1.3 | 692 | PASS |
| 69 | 198 | 0.00 | 100 | 33.3 | 51898 | PASS |
| 70 | 69 | 0.00 | 2 | 0.6 | 286 | PASS |
| 127 | 198 | 10 | 80 | 47.4 | 73724 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 155659 | PASS |
| 199 | 198 | 5 | 9 | 6.6 | 10281 | PASS |
| 275 | 198 | 10 | 60 | 33.6 | 52370 | PASS |
| 365 | 198 | 1 | 100 | 5.4 | 8455 | PASS |
| 441 | 198 | 0.01 | 100 | 21.8 | 33949 | PASS |
| 442 | 442 | 100 | 100 | 100.0 | 218491 | PASS |
| 443 | 442 | 15 | 24 | 19.0 | 41616 | PASS |

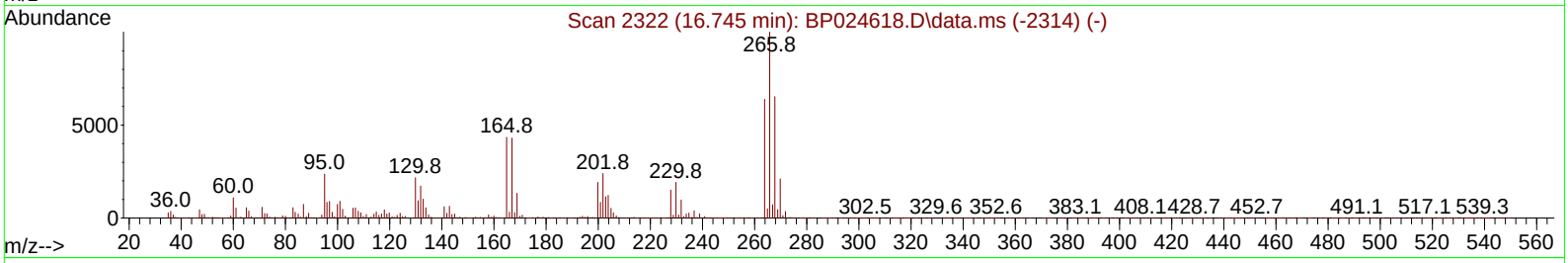
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024702.D
Acq On : 20 May 2025 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
DFTPP

Quant Time: May 20 12:58:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration




TIC: BP024702.D\data.ms

**(70) Pentachlorophenol (C)**

**16.739min (-0.006) 1977139.32 ng**

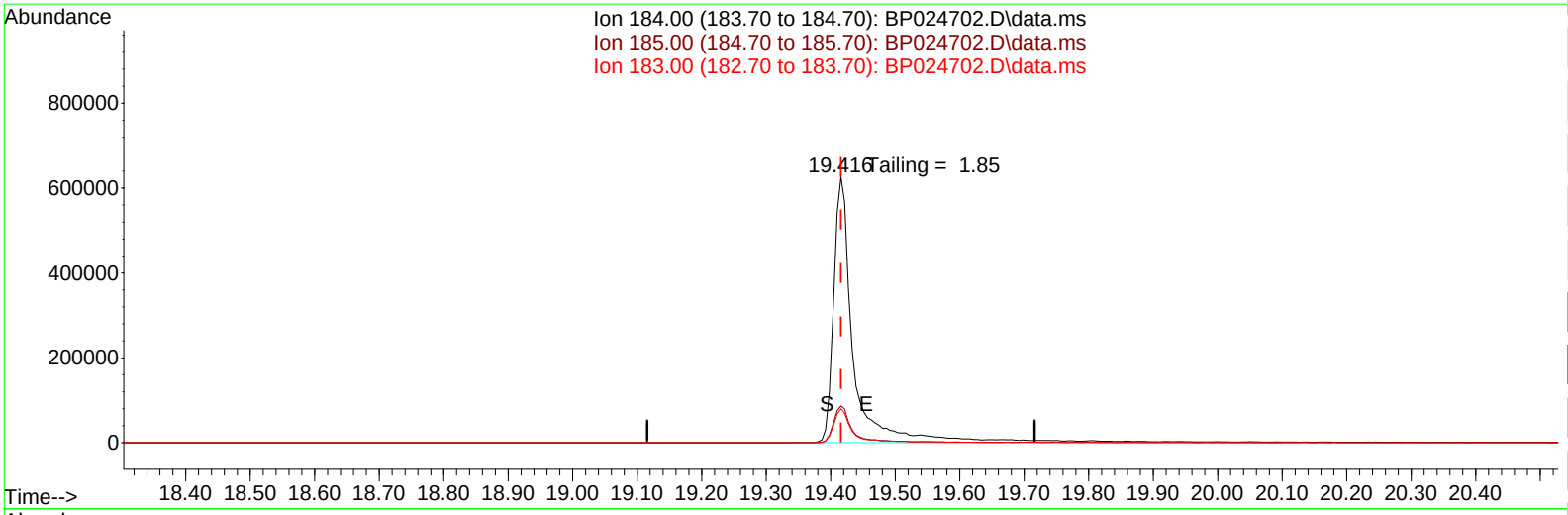
**response 448686**

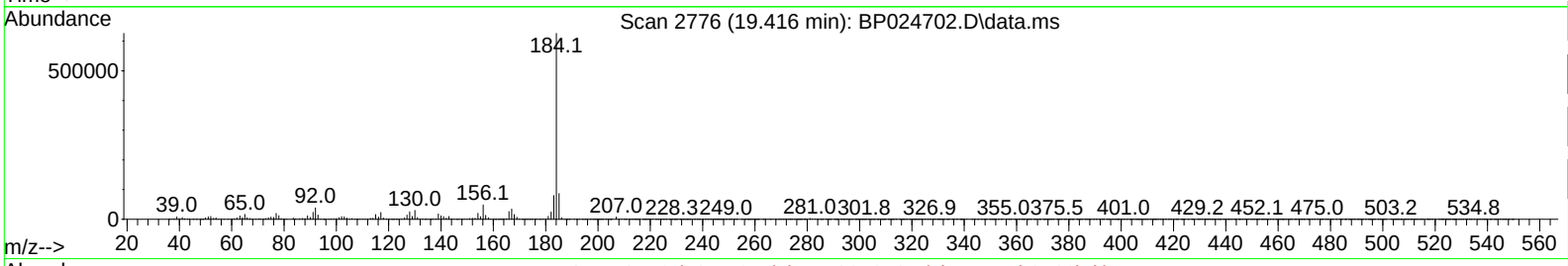
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 65.30 | 63.67 |
| 264.00 | 63.90 | 62.85 |
| 0.00 | 0.00 | 0.00 |

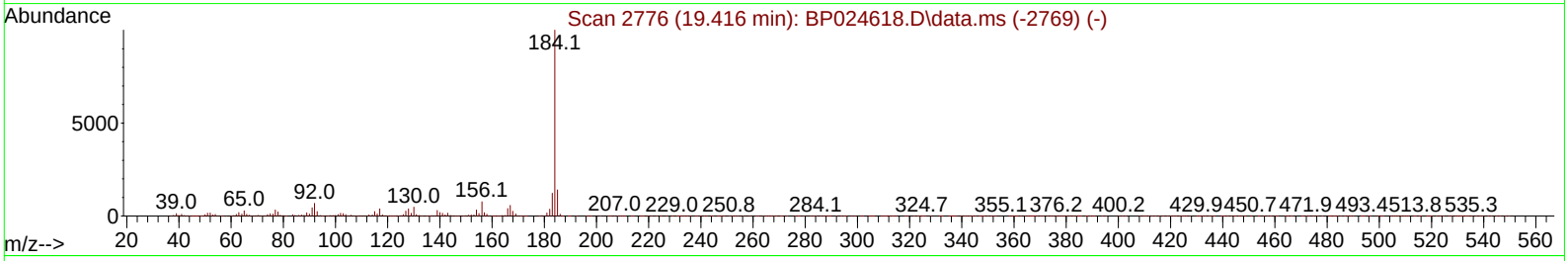
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024702.D
Acq On : 20 May 2025 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
DFTPP

Quant Time: May 20 12:58:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration




TIC: BP024702.D\data.ms

**(77) Benzidine**

**19.416min (-0.000) 89911.52 ng**

**response 1248901**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.00 | 13.86 |
| 183.00 | 12.30 | 12.78 |
| 0.00 | 0.00 | 0.00 |

**Instrument :**
BNA_P
**ClientSampleId :**
DFTPP

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 5/20/2025 | BNA_P | BP024702.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 589251 | 20.698 |
| DDD | 22194 | 20.239 |
| DDE | 3176 | 19.71 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 25370 | 614621 | 4.13 |
| | | |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | PB168048BL | SDG No.: | Q2064 |
| Lab Sample ID: | PB168048BL | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024706.D | 1 | 05/19/25 08:42 | 05/20/25 13:55 | PB168048 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 100-52-7 | Benzaldehyde | 8.00 | U | 3.90 | 8.00 | 10.0 | ug/L |
| 108-95-2 | Phenol | 4.00 | U | 0.91 | 4.00 | 5.00 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 4.00 | U | 0.81 | 4.00 | 5.00 | ug/L |
| 95-57-8 | 2-Chlorophenol | 4.00 | U | 0.58 | 4.00 | 5.00 | ug/L |
| 95-48-7 | 2-Methylphenol | 4.00 | U | 1.10 | 4.00 | 5.00 | ug/L |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 4.00 | U | 1.30 | 4.00 | 5.00 | ug/L |
| 98-86-2 | Acetophenone | 4.00 | U | 0.74 | 4.00 | 5.00 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 8.00 | U | 1.10 | 8.00 | 10.0 | ug/L |
| 621-64-7 | n-Nitroso-di-n-propylamine | 2.50 | U | 1.40 | 2.50 | 2.50 | ug/L |
| 67-72-1 | Hexachloroethane | 4.00 | U | 0.65 | 4.00 | 5.00 | ug/L |
| 98-95-3 | Nitrobenzene | 4.00 | U | 0.76 | 4.00 | 5.00 | ug/L |
| 78-59-1 | Isophorone | 4.00 | U | 0.75 | 4.00 | 5.00 | ug/L |
| 88-75-5 | 2-Nitrophenol | 4.00 | U | 1.80 | 4.00 | 5.00 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 4.00 | U | 1.90 | 4.00 | 5.00 | ug/L |
| 111-91-1 | bis(2-Chloroethoxy)methane | 4.00 | U | 0.68 | 4.00 | 5.00 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | 4.00 | U | 0.52 | 4.00 | 5.00 | ug/L |
| 91-20-3 | Naphthalene | 4.00 | U | 0.50 | 4.00 | 5.00 | ug/L |
| 106-47-8 | 4-Chloroaniline | 4.00 | U | 0.84 | 4.00 | 5.00 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 4.00 | U | 0.54 | 4.00 | 5.00 | ug/L |
| 105-60-2 | Caprolactam | 8.00 | U | 1.10 | 8.00 | 10.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | 4.00 | U | 0.59 | 4.00 | 5.00 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 4.00 | U | 0.56 | 4.00 | 5.00 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | 8.00 | U | 3.60 | 8.00 | 10.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 4.00 | U | 0.51 | 4.00 | 5.00 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 4.00 | U | 0.62 | 4.00 | 5.00 | ug/L |
| 92-52-4 | 1,1-Biphenyl | 4.00 | U | 0.53 | 4.00 | 5.00 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | 4.00 | U | 0.61 | 4.00 | 5.00 | ug/L |
| 88-74-4 | 2-Nitroaniline | 4.00 | U | 1.30 | 4.00 | 5.00 | ug/L |
| 131-11-3 | Dimethylphthalate | 4.00 | U | 0.61 | 4.00 | 5.00 | ug/L |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | PB168048BL | SDG No.: | Q2064 |
| Lab Sample ID: | PB168048BL | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024706.D | 1 | 05/19/25 08:42 | 05/20/25 13:55 | PB168048 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 4.00 | U | 0.75 | 4.00 | 5.00 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | 4.00 | U | 0.92 | 4.00 | 5.00 | ug/L |
| 99-09-2 | 3-Nitroaniline | 4.00 | U | 1.10 | 4.00 | 5.00 | ug/L |
| 83-32-9 | Acenaphthene | 4.00 | U | 0.55 | 4.00 | 5.00 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | 8.00 | U | 6.00 | 8.00 | 10.0 | ug/L |
| 100-02-7 | 4-Nitrophenol | 8.00 | U | 2.40 | 8.00 | 10.0 | ug/L |
| 132-64-9 | Dibenzofuran | 4.00 | U | 0.61 | 4.00 | 5.00 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 4.00 | U | 1.20 | 4.00 | 5.00 | ug/L |
| 84-66-2 | Diethylphthalate | 4.00 | U | 0.69 | 4.00 | 5.00 | ug/L |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 4.00 | U | 0.68 | 4.00 | 5.00 | ug/L |
| 86-73-7 | Fluorene | 4.00 | U | 0.63 | 4.00 | 5.00 | ug/L |
| 100-01-6 | 4-Nitroaniline | 4.00 | U | 1.50 | 4.00 | 5.00 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 8.00 | U | 2.90 | 8.00 | 10.0 | ug/L |
| 86-30-6 | n-Nitrosodiphenylamine | 4.00 | U | 0.58 | 4.00 | 5.00 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 4.00 | U | 0.40 | 4.00 | 5.00 | ug/L |
| 118-74-1 | Hexachlorobenzene | 4.00 | U | 0.52 | 4.00 | 5.00 | ug/L |
| 1912-24-9 | Atrazine | 4.00 | U | 1.00 | 4.00 | 5.00 | ug/L |
| 87-86-5 | Pentachlorophenol | 8.00 | U | 1.60 | 8.00 | 10.0 | ug/L |
| 85-01-8 | Phenanthrene | 4.00 | U | 0.50 | 4.00 | 5.00 | ug/L |
| 120-12-7 | Anthracene | 4.00 | U | 0.61 | 4.00 | 5.00 | ug/L |
| 86-74-8 | Carbazole | 4.00 | U | 0.72 | 4.00 | 5.00 | ug/L |
| 84-74-2 | Di-n-butylphthalate | 4.00 | U | 1.20 | 4.00 | 5.00 | ug/L |
| 206-44-0 | Fluoranthene | 4.00 | U | 0.82 | 4.00 | 5.00 | ug/L |
| 129-00-0 | Pyrene | 4.00 | U | 0.50 | 4.00 | 5.00 | ug/L |
| 85-68-7 | Butylbenzylphthalate | 4.00 | U | 1.90 | 4.00 | 5.00 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | 8.00 | U | 0.93 | 8.00 | 10.0 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 4.00 | U | 0.45 | 4.00 | 5.00 | ug/L |
| 218-01-9 | Chrysene | 4.00 | U | 0.44 | 4.00 | 5.00 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 4.00 | U | 1.60 | 4.00 | 5.00 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | 8.00 | U | 2.30 | 8.00 | 10.0 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 4.00 | U | 0.49 | 4.00 | 5.00 | ug/L |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | PB168048BL | SDG No.: | Q2064 |
| Lab Sample ID: | PB168048BL | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024706.D | 1 | 05/19/25 08:42 | 05/20/25 13:55 | PB168048 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 4.00 | U | 0.48 | 4.00 | 5.00 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 4.00 | U | 0.55 | 4.00 | 5.00 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 4.00 | U | 0.59 | 4.00 | 5.00 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 4.00 | U | 0.67 | 4.00 | 5.00 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 4.00 | U | 0.69 | 4.00 | 5.00 | ug/L |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 4.00 | U | 0.52 | 4.00 | 5.00 | ug/L |
| 123-91-1 | 1,4-Dioxane | 4.00 | U | 1.00 | 4.00 | 5.00 | ug/L |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 4.00 | U | 0.72 | 4.00 | 5.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 133 | | 19 - 119 | | 88% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 122 | | 10 - 130 | | 81% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 76.1 | | 44 - 120 | | 76% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 76.8 | | 44 - 119 | | 77% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 145 | | 43 - 140 | | 97% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 90.1 | | 50 - 134 | | 90% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 134000 | 7.658 | | | | |
| 1146-65-2 | Naphthalene-d8 | 501000 | 10.428 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 301000 | 14.287 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 642000 | 17.092 | | | | |
| 1719-03-5 | Chrysene-d12 | 692000 | 21.522 | | | | |
| 1520-96-3 | Perylene-d12 | 757000 | 24.821 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 000123-42-2 | 2-Pentanone, 4-hydroxy-4-methyl- | 6.90 | A | | | 4.82 | ug/L |

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | | | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | | | Date Received: | |
| Client Sample ID: | PB168048BL | | | SDG No.: | Q2064 |
| Lab Sample ID: | PB168048BL | | | Matrix: | Water |
| Analytical Method: | 8270E | | | % Solid: | 0 |
| Sample Wt/Vol: | 1000 | Units: | mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3510C | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024706.D | 1 | 05/19/25 08:42 | 05/20/25 13:55 | PB168048 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | 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_P\Data\BP052025\
Data File : BP024706.D
Acq On : 20 May 2025 13:55
Operator : RC/JU
Sample : PB168048BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BL

Quant Time: May 20 14:28:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

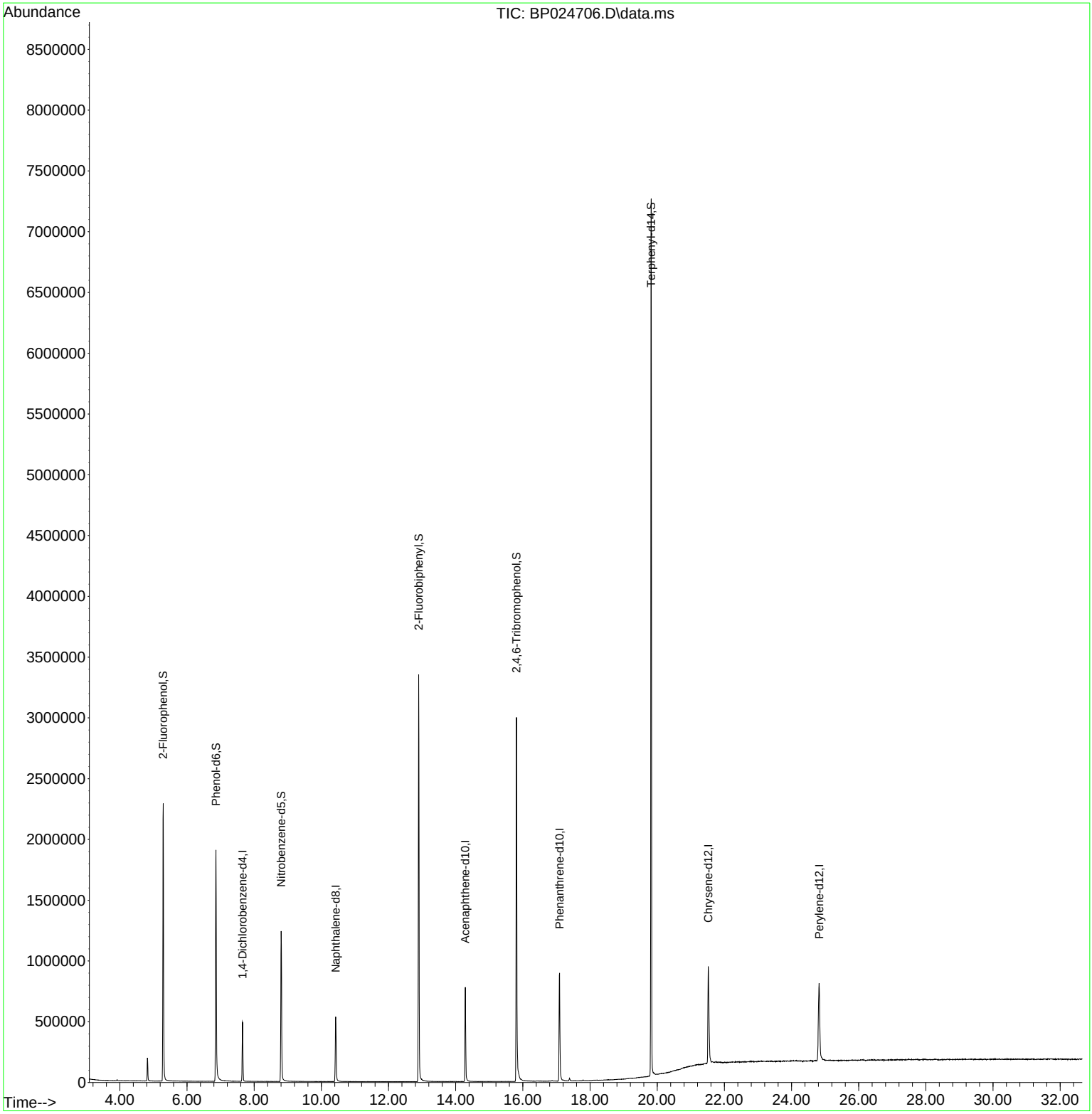
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.658 | 152 | 134412 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.428 | 136 | 500749 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.287 | 164 | 300658 | 20.000 | ng | -0.02 |
| 64) Phenanthrene-d10 | 17.092 | 188 | 642481 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.522 | 240 | 691700 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.821 | 264 | 756782 | 20.000 | ng | 0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.293 | 112 | 1042522 | 132.659 | ng | 0.00 |
| 7) Phenol-d6 | 6.863 | 99 | 1220255 | 121.663 | ng | 0.01 |
| 23) Nitrobenzene-d5 | 8.805 | 82 | 754094 | 76.089 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.810 | 330 | 739588 | 145.102 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 12.898 | 172 | 1762567 | 76.804 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.822 | 244 | 3635117 | 90.113 | ng | 0.01 |
| Target Compounds | | | | | | Qvalue |

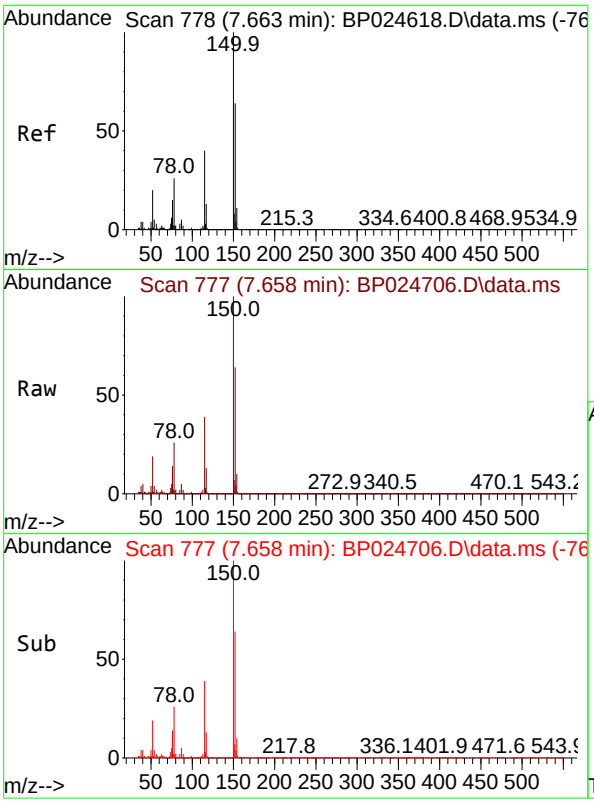
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024706.D
Acq On : 20 May 2025 13:55
Operator : RC/JU
Sample : PB168048BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BL

Quant Time: May 20 14:28:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



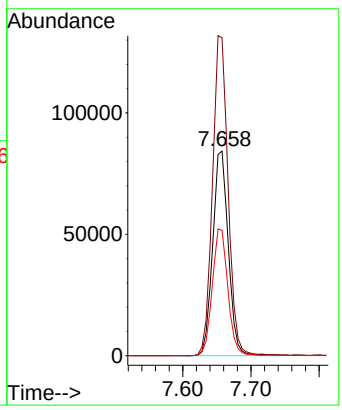


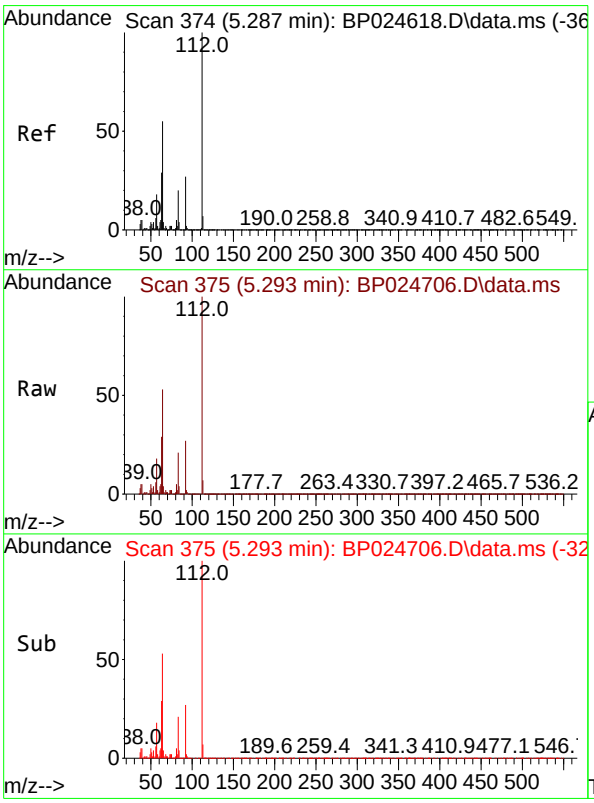

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.658 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BL

Tgt Ion:152 Resp: 134412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.4 | 125.9 | 188.9 |
| 115 | 61.2 | 50.1 | 75.1 |

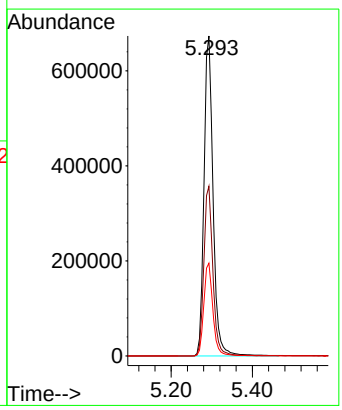


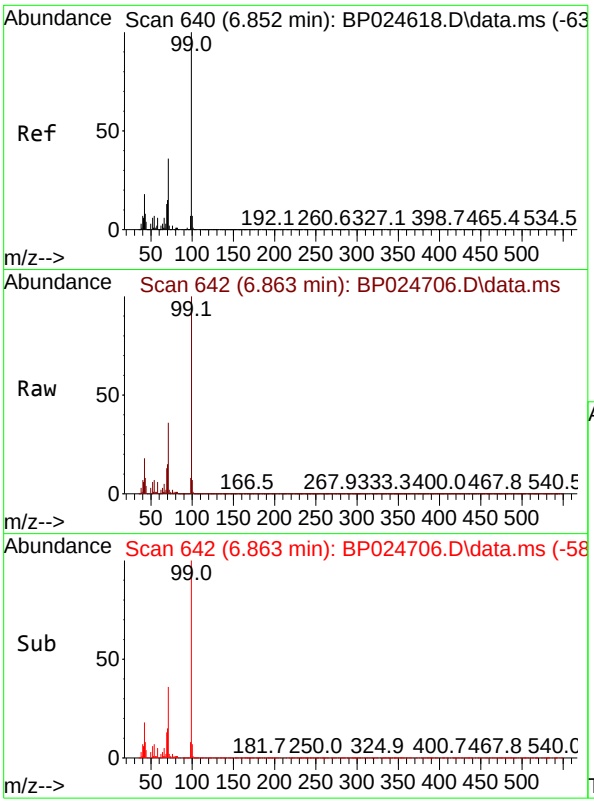




#5
2-Fluorophenol
Concen: 132.659 ng
RT: 5.293 min Scan# 375
Delta R.T. 0.006 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

Tgt Ion:112 Resp: 1042522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.0 | 44.1 | 66.1 |
| 63 | 29.0 | 23.5 | 35.3 |



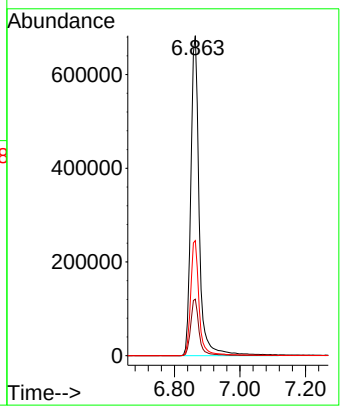


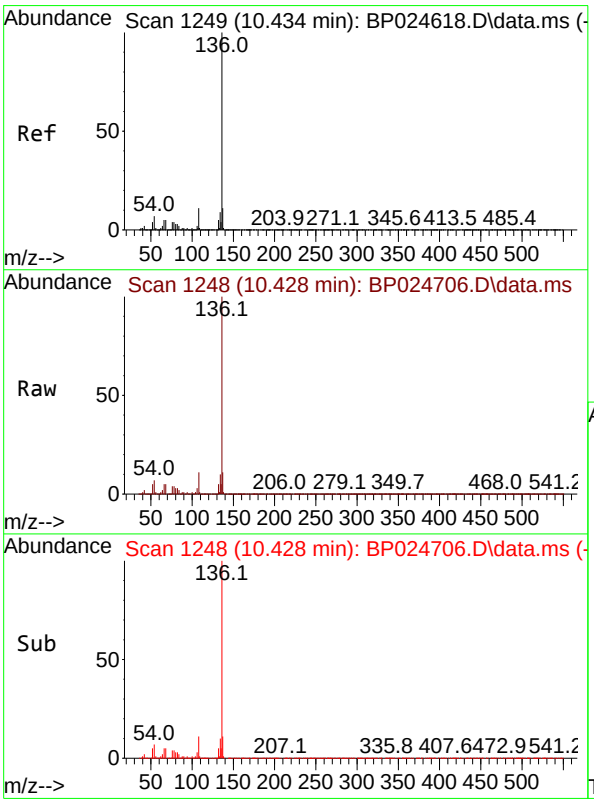

#7
Phenol-d6
Concen: 121.663 ng
RT: 6.863 min Scan# 64
Delta R.T. 0.012 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BL

Tgt Ion: 99 Resp: 1220255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.7 | 14.4 | 21.6 |
| 71 | 36.0 | 29.2 | 43.8 |

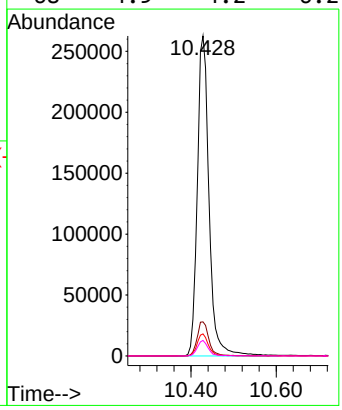


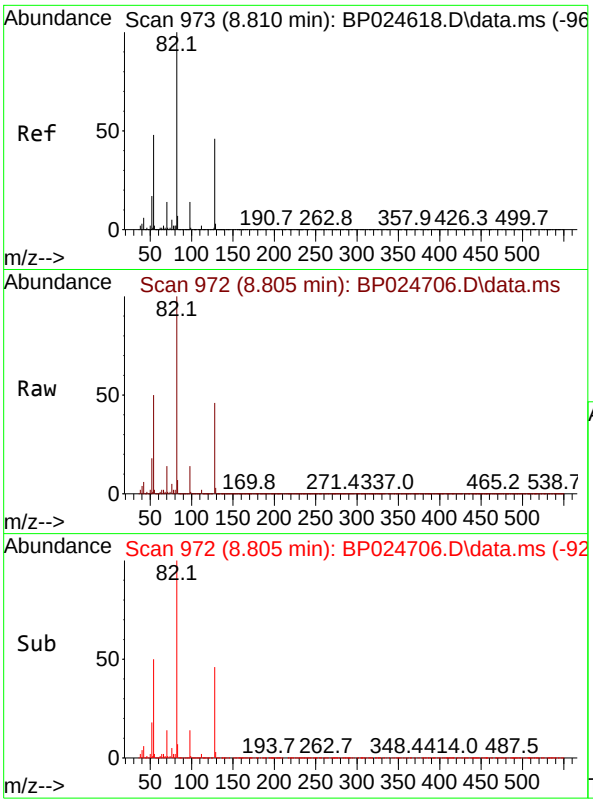




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

Tgt Ion:136 Resp: 500749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.8 | 13.2 |
| 54 | 6.9 | 5.5 | 8.3 |
| 68 | 4.9 | 4.2 | 6.2 |



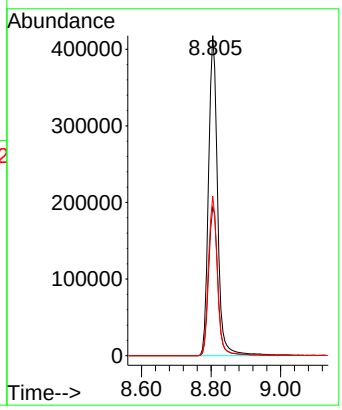


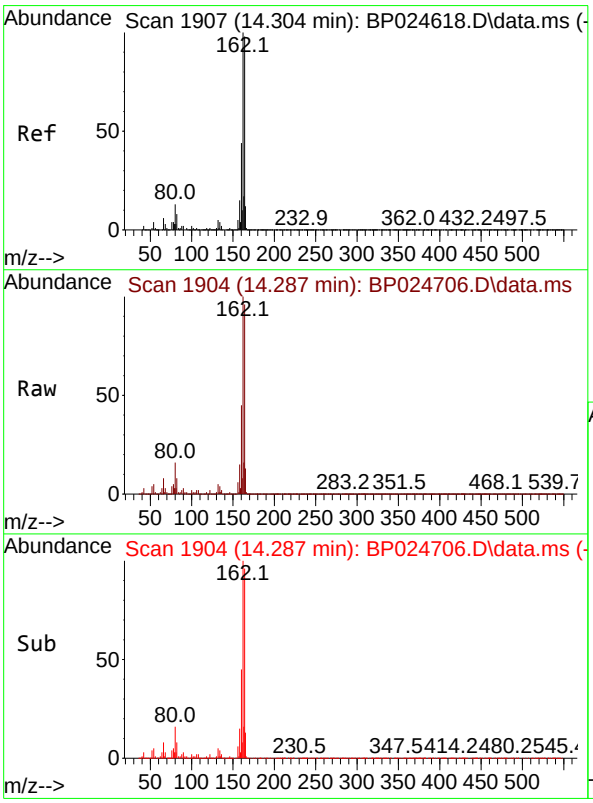

#23
Nitrobenzene-d5
Concen: 76.089 ng
RT: 8.805 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BL

Tgt Ion: 82 Resp: 754094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.3 | 37.0 | 55.4 |
| 54 | 49.8 | 38.7 | 58.1 |

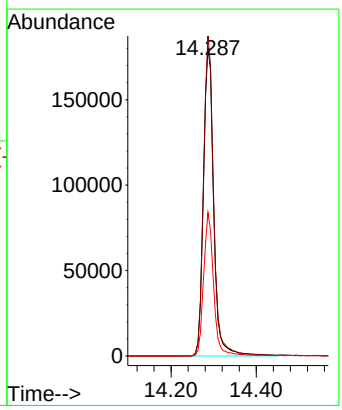


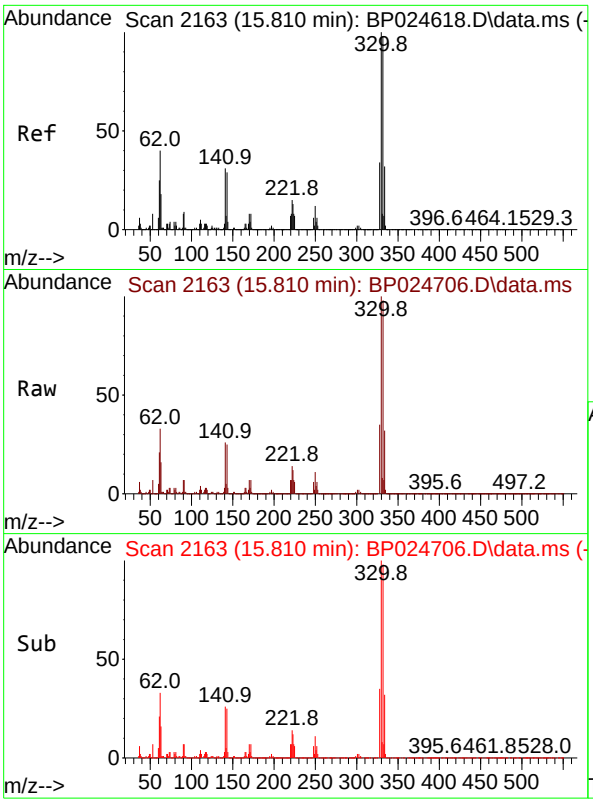




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1904
Delta R.T. -0.018 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

Tgt Ion:164 Resp: 300658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.8 | 81.8 | 122.6 |
| 160 | 46.5 | 36.3 | 54.5 |



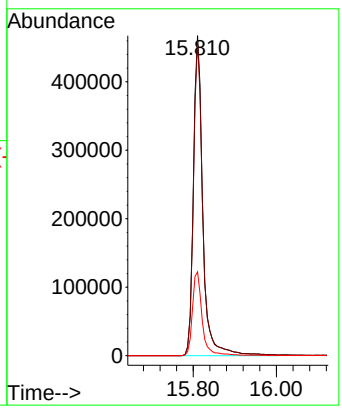


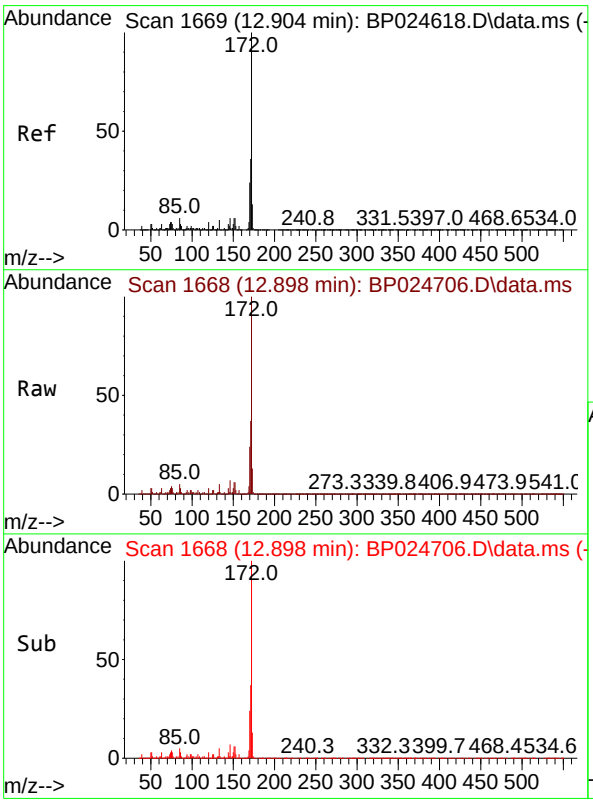

#42
2,4,6-Tribromophenol
Concen: 145.102 ng
RT: 15.810 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BL

Tgt Ion:330 Resp: 739588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.8 | 78.2 | 117.4 |
| 141 | 27.2 | 24.3 | 36.5 |

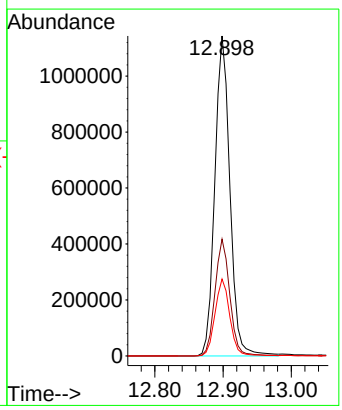


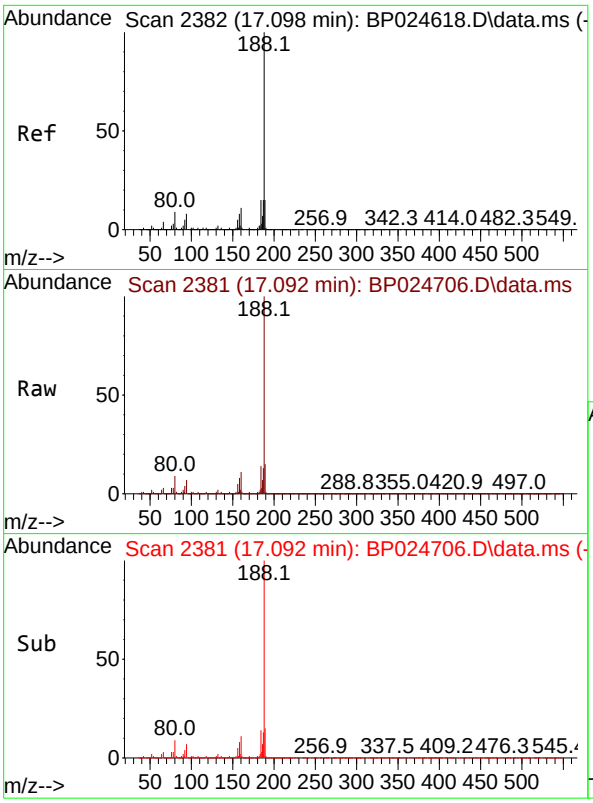




#45
2-Fluorobiphenyl
Concen: 76.804 ng
RT: 12.898 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

Tgt Ion:172 Resp: 1762567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.5 | 28.8 | 43.2 |
| 170 | 24.0 | 18.8 | 28.2 |



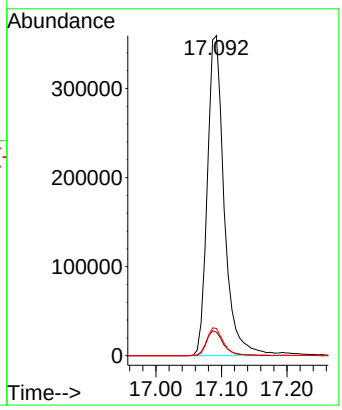


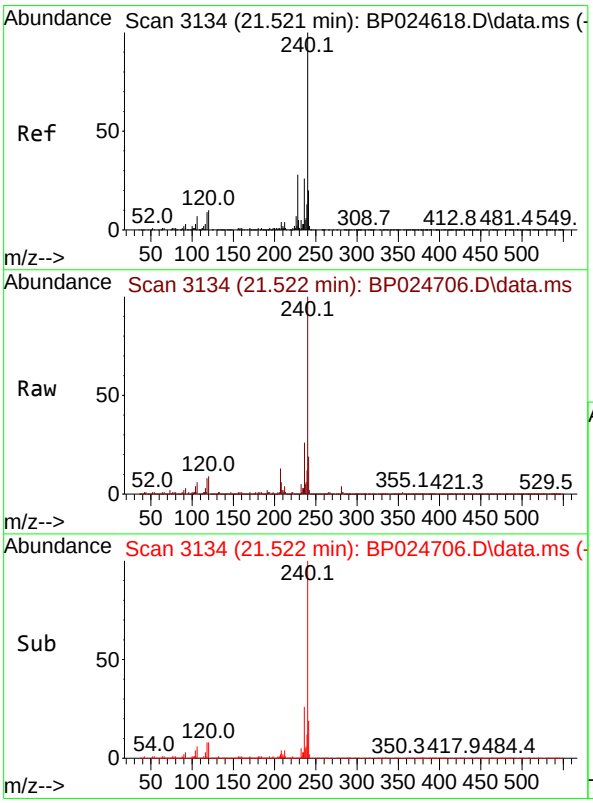

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BL

Tgt Ion:188 Resp: 642481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.4 | 6.5 | 9.7 |
| 80 | 8.5 | 7.3 | 10.9 |

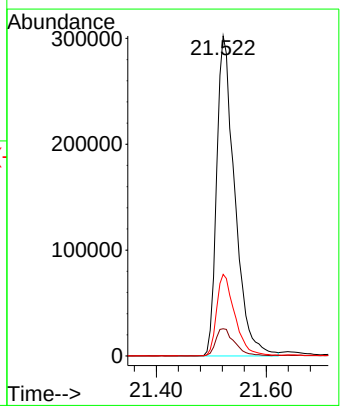


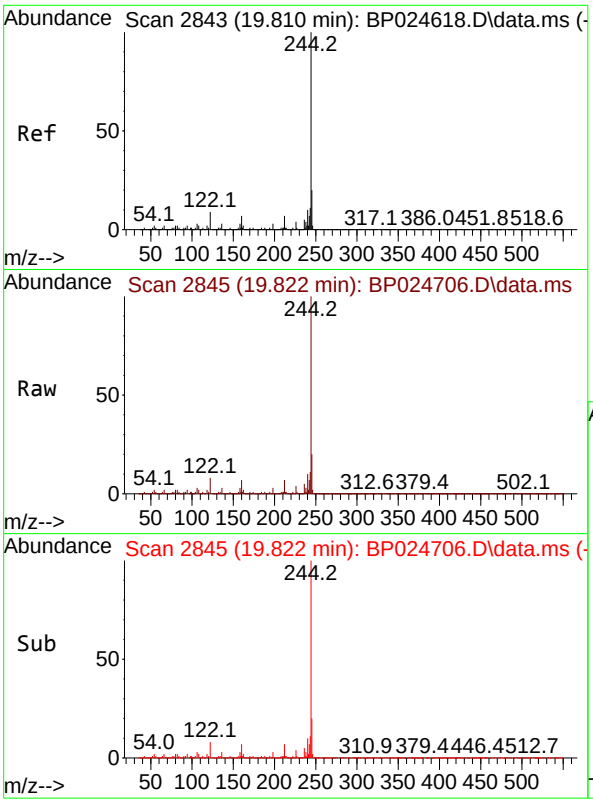




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.522 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

Tgt Ion:240 Resp: 691700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.5 | 7.8 | 11.6 |
| 236 | 25.5 | 20.6 | 31.0 |



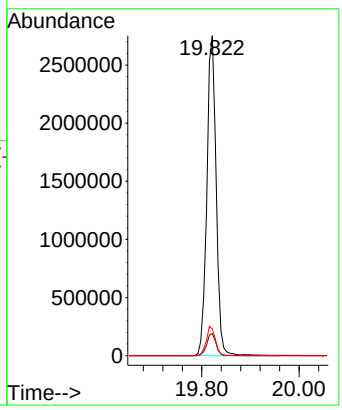


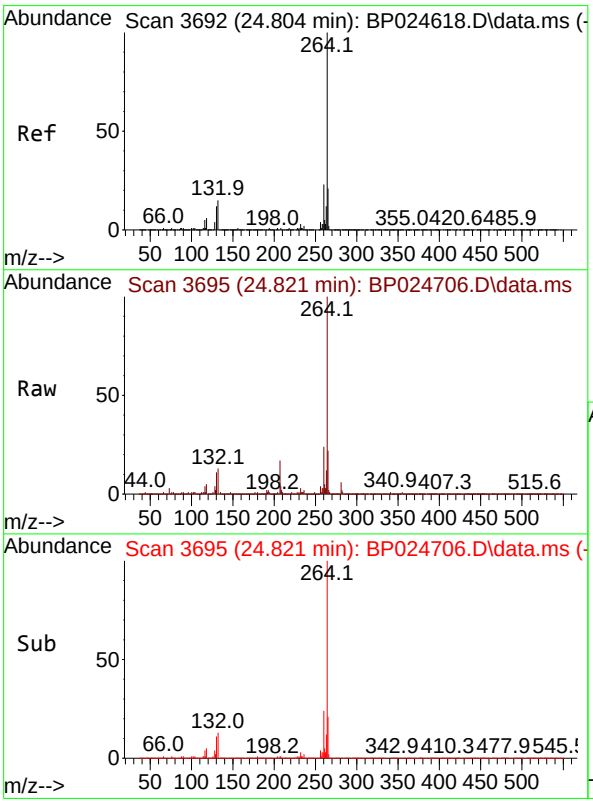

#79
Terphenyl-d14
Concen: 90.113 ng
RT: 19.822 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BL

Tgt Ion:244 Resp: 3635117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.5 | 8.3 |
| 122 | 8.4 | 7.4 | 11.0 |

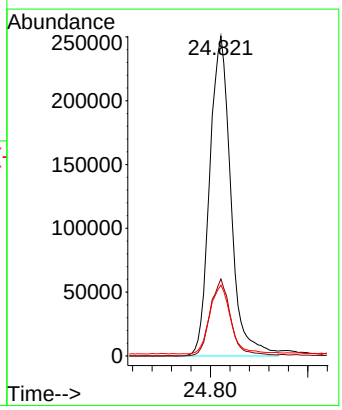



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.821 min Scan# 3695
Delta R.T. 0.018 min
Lab File: BP024706.D
Acq: 20 May 2025 13:55

Tgt Ion:264 Resp: 756782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.1 | 18.7 | 28.1 |
| 265 | 22.2 | 17.0 | 25.6 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024706.D
Acq On : 20 May 2025 13:55
Operator : RC/JU
Sample : PB168048BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024706.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.822 | 290 | 295 | 304 | rBV | 190498 | 266261 | 2.75% | 0.711% |
| 2 | 5.293 | 368 | 375 | 394 | rBV | 2283928 | 3532627 | 36.49% | 9.432% |
| 3 | 6.863 | 633 | 642 | 661 | rBV | 1904091 | 3395538 | 35.07% | 9.066% |
| 4 | 7.652 | 769 | 776 | 789 | rBV | 486824 | 774131 | 8.00% | 2.067% |
| 5 | 8.805 | 965 | 972 | 996 | rBV | 1237316 | 2252985 | 23.27% | 6.016% |
| 6 | 10.428 | 1240 | 1248 | 1268 | rBV | 532443 | 1008316 | 10.42% | 2.692% |
| 7 | 12.898 | 1660 | 1668 | 1682 | rBV | 3349085 | 5175299 | 53.46% | 13.818% |
| 8 | 14.287 | 1896 | 1904 | 1923 | rBV | 776473 | 1285175 | 13.27% | 3.432% |
| 9 | 15.810 | 2156 | 2163 | 2182 | rBV | 2995031 | 4794305 | 49.52% | 12.801% |
| 10 | 17.092 | 2374 | 2381 | 2396 | rBV2 | 888871 | 1608008 | 16.61% | 4.294% |
| 11 | 19.822 | 2838 | 2845 | 2857 | rBV | 7214986 | 9681201 | 100.00% | 25.850% |
| 12 | 21.522 | 3128 | 3134 | 3150 | rBV2 | 793149 | 1843944 | 19.05% | 4.923% |
| 13 | 24.821 | 3686 | 3695 | 3712 | rVB | 626783 | 1834206 | 18.95% | 4.897% |

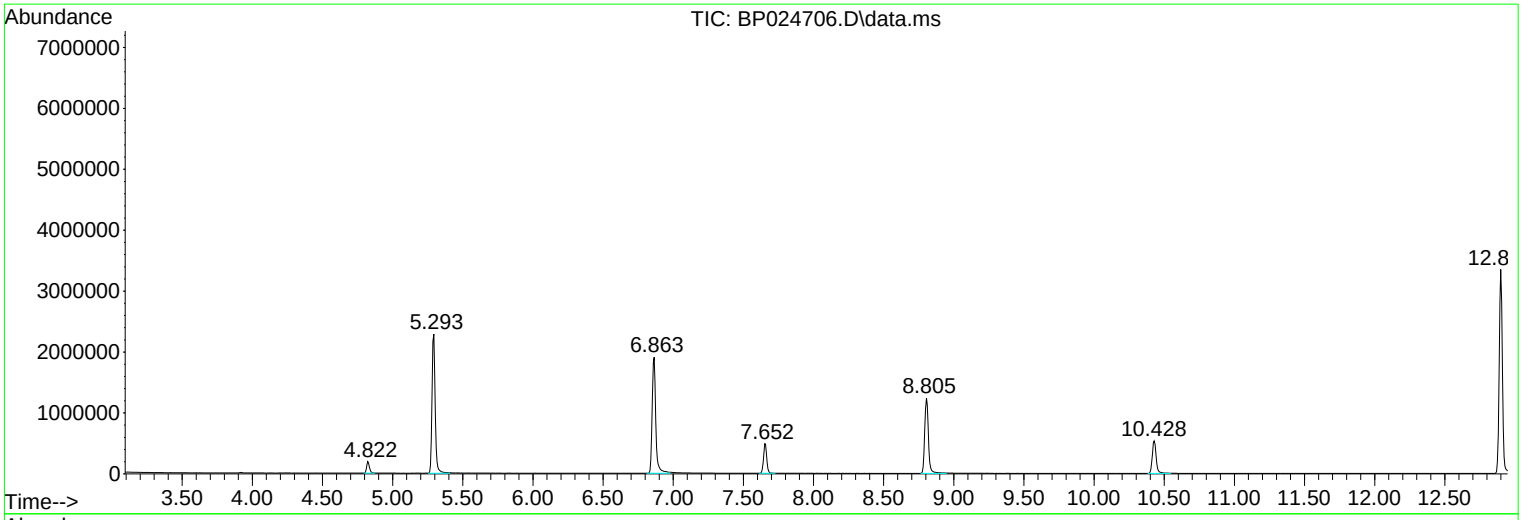
Sum of corrected areas: 37451996

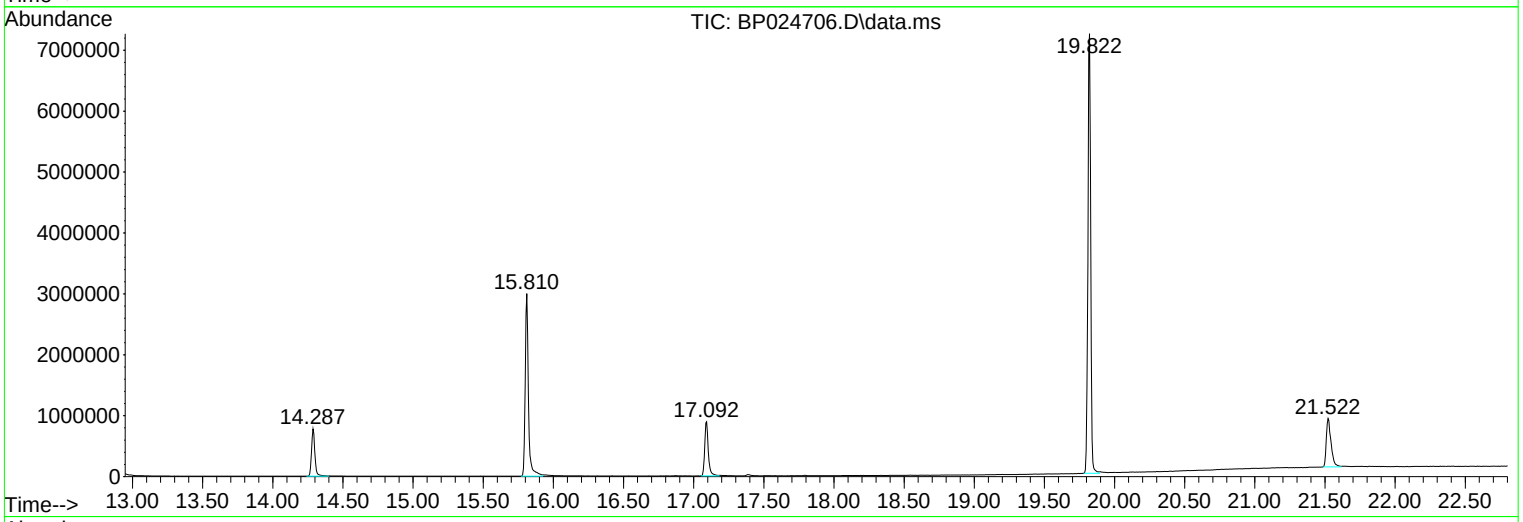
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024706.D
Acq On : 20 May 2025 13:55
Operator : RC/JU
Sample : PB168048BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

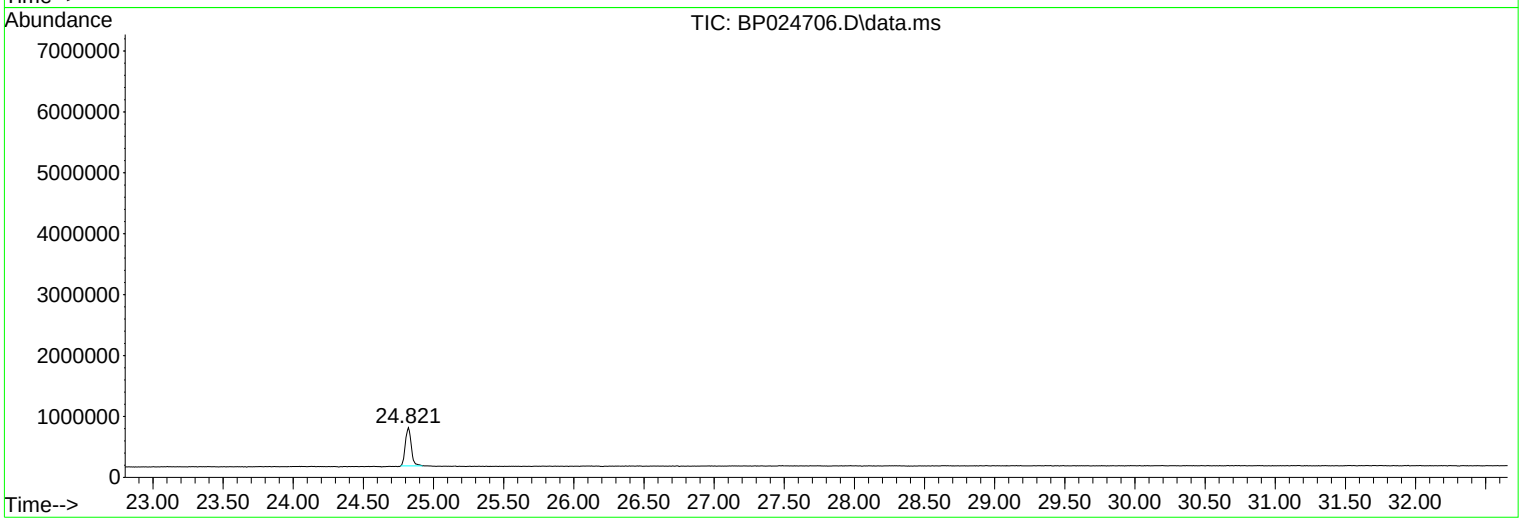
**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024706.D
Acq On : 20 May 2025 13:55
Operator : RC/JU
Sample : PB168048BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BL

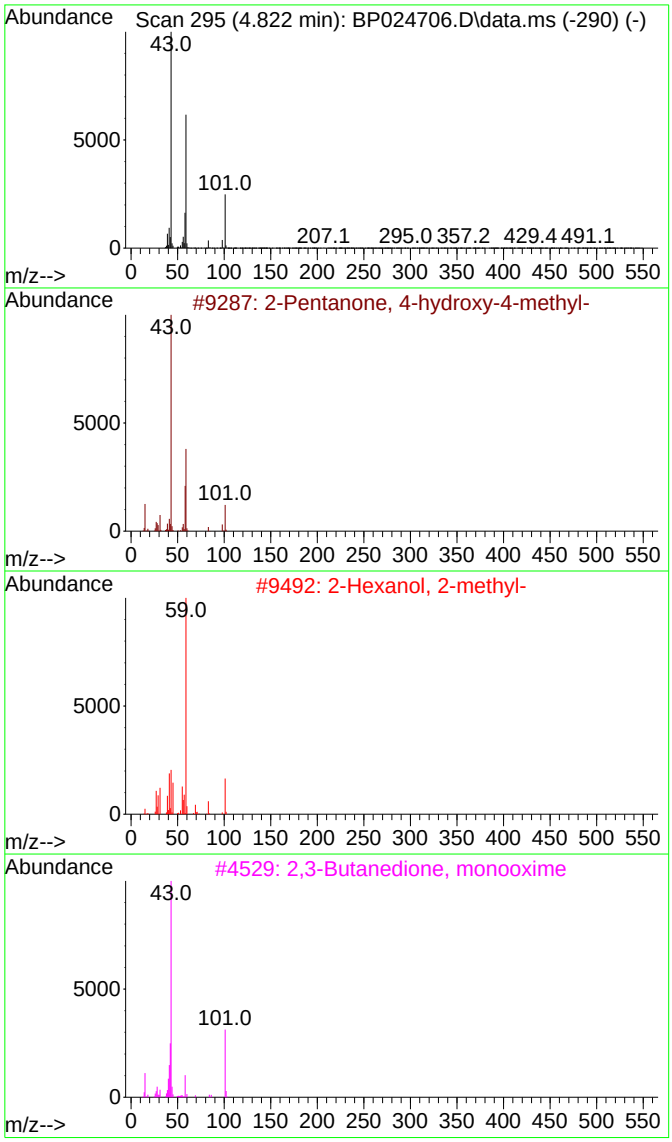
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

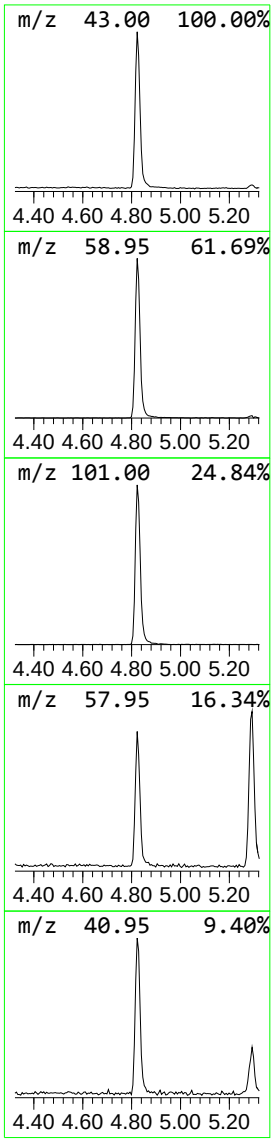
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.822 | 6.88 ng | 266261 | 1,4-Dichlorobenzene-d4 | 7.658 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 38 |
| 3 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 17 |
| 4 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 12 |
| 5 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 10 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024706.D
Acq On : 20 May 2025 13:55
Operator : RC/JU
Sample : PB168048BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-... | 4.822 | 6.9 | ng | 266261 | 1 | 7.658 | 774131 | 20.0 |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | PB168048BS | SDG No.: | Q2064 |
| Lab Sample ID: | PB168048BS | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024707.D | 1 | 05/19/25 08:42 | 05/20/25 14:35 | PB168048 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 100-52-7 | Benzaldehyde | 30.6 | | 3.90 | 8.00 | 10.0 | ug/L |
| 108-95-2 | Phenol | 40.0 | | 0.91 | 4.00 | 5.00 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 35.7 | | 0.81 | 4.00 | 5.00 | ug/L |
| 95-57-8 | 2-Chlorophenol | 41.7 | | 0.58 | 4.00 | 5.00 | ug/L |
| 95-48-7 | 2-Methylphenol | 39.9 | | 1.10 | 4.00 | 5.00 | ug/L |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 34.9 | | 1.30 | 4.00 | 5.00 | ug/L |
| 98-86-2 | Acetophenone | 38.9 | | 0.74 | 4.00 | 5.00 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 38.8 | | 1.10 | 8.00 | 10.0 | ug/L |
| 621-64-7 | n-Nitroso-di-n-propylamine | 33.4 | | 1.40 | 2.50 | 2.50 | ug/L |
| 67-72-1 | Hexachloroethane | 38.0 | | 0.65 | 4.00 | 5.00 | ug/L |
| 98-95-3 | Nitrobenzene | 37.8 | | 0.76 | 4.00 | 5.00 | ug/L |
| 78-59-1 | Isophorone | 35.9 | | 0.75 | 4.00 | 5.00 | ug/L |
| 88-75-5 | 2-Nitrophenol | 43.7 | | 1.80 | 4.00 | 5.00 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 42.9 | | 1.90 | 4.00 | 5.00 | ug/L |
| 111-91-1 | bis(2-Chloroethoxy)methane | 37.2 | | 0.68 | 4.00 | 5.00 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | 43.9 | | 0.52 | 4.00 | 5.00 | ug/L |
| 91-20-3 | Naphthalene | 39.4 | | 0.50 | 4.00 | 5.00 | ug/L |
| 106-47-8 | 4-Chloroaniline | 19.5 | | 0.84 | 4.00 | 5.00 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 42.4 | | 0.54 | 4.00 | 5.00 | ug/L |
| 105-60-2 | Caprolactam | 39.7 | | 1.10 | 8.00 | 10.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | 41.9 | | 0.59 | 4.00 | 5.00 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 39.5 | | 0.56 | 4.00 | 5.00 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | 89.2 | E | 3.60 | 8.00 | 10.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 46.4 | | 0.51 | 4.00 | 5.00 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 45.0 | | 0.62 | 4.00 | 5.00 | ug/L |
| 92-52-4 | 1,1-Biphenyl | 42.8 | | 0.53 | 4.00 | 5.00 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | 43.0 | | 0.61 | 4.00 | 5.00 | ug/L |
| 88-74-4 | 2-Nitroaniline | 43.3 | | 1.30 | 4.00 | 5.00 | ug/L |
| 131-11-3 | Dimethylphthalate | 42.4 | | 0.61 | 4.00 | 5.00 | ug/L |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | PB168048BS | SDG No.: | Q2064 |
| Lab Sample ID: | PB168048BS | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024707.D | 1 | 05/19/25 08:42 | 05/20/25 14:35 | PB168048 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 41.4 | | 0.75 | 4.00 | 5.00 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | 43.0 | | 0.92 | 4.00 | 5.00 | ug/L |
| 99-09-2 | 3-Nitroaniline | 26.3 | | 1.10 | 4.00 | 5.00 | ug/L |
| 83-32-9 | Acenaphthene | 41.3 | | 0.55 | 4.00 | 5.00 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | 81.6 | E | 6.00 | 8.00 | 10.0 | ug/L |
| 100-02-7 | 4-Nitrophenol | 75.5 | | 2.40 | 8.00 | 10.0 | ug/L |
| 132-64-9 | Dibenzofuran | 42.2 | | 0.61 | 4.00 | 5.00 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 44.7 | | 1.20 | 4.00 | 5.00 | ug/L |
| 84-66-2 | Diethylphthalate | 41.6 | | 0.69 | 4.00 | 5.00 | ug/L |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 42.5 | | 0.68 | 4.00 | 5.00 | ug/L |
| 86-73-7 | Fluorene | 42.4 | | 0.63 | 4.00 | 5.00 | ug/L |
| 100-01-6 | 4-Nitroaniline | 40.0 | | 1.50 | 4.00 | 5.00 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 44.3 | | 2.90 | 8.00 | 10.0 | ug/L |
| 86-30-6 | n-Nitrosodiphenylamine | 42.6 | | 0.58 | 4.00 | 5.00 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 44.0 | | 0.40 | 4.00 | 5.00 | ug/L |
| 118-74-1 | Hexachlorobenzene | 44.4 | | 0.52 | 4.00 | 5.00 | ug/L |
| 1912-24-9 | Atrazine | 44.4 | | 1.00 | 4.00 | 5.00 | ug/L |
| 87-86-5 | Pentachlorophenol | 98.8 | E | 1.60 | 8.00 | 10.0 | ug/L |
| 85-01-8 | Phenanthrene | 40.6 | | 0.50 | 4.00 | 5.00 | ug/L |
| 120-12-7 | Anthracene | 42.4 | | 0.61 | 4.00 | 5.00 | ug/L |
| 86-74-8 | Carbazole | 42.9 | | 0.72 | 4.00 | 5.00 | ug/L |
| 84-74-2 | Di-n-butylphthalate | 41.5 | | 1.20 | 4.00 | 5.00 | ug/L |
| 206-44-0 | Fluoranthene | 42.5 | | 0.82 | 4.00 | 5.00 | ug/L |
| 129-00-0 | Pyrene | 42.4 | | 0.50 | 4.00 | 5.00 | ug/L |
| 85-68-7 | Butylbenzylphthalate | 43.1 | | 1.90 | 4.00 | 5.00 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | 33.0 | | 0.93 | 8.00 | 10.0 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 41.9 | | 0.45 | 4.00 | 5.00 | ug/L |
| 218-01-9 | Chrysene | 40.8 | | 0.44 | 4.00 | 5.00 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 44.3 | | 1.60 | 4.00 | 5.00 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | 45.4 | | 2.30 | 8.00 | 10.0 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 42.5 | | 0.49 | 4.00 | 5.00 | ug/L |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | PB168048BS | SDG No.: | Q2064 |
| Lab Sample ID: | PB168048BS | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024707.D | 1 | 05/19/25 08:42 | 05/20/25 14:35 | PB168048 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 42.7 | | 0.48 | 4.00 | 5.00 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 42.6 | | 0.55 | 4.00 | 5.00 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 42.7 | | 0.59 | 4.00 | 5.00 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 43.2 | | 0.67 | 4.00 | 5.00 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 42.1 | | 0.69 | 4.00 | 5.00 | ug/L |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 43.5 | | 0.52 | 4.00 | 5.00 | ug/L |
| 123-91-1 | 1,4-Dioxane | 30.9 | | 1.00 | 4.00 | 5.00 | ug/L |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 43.3 | | 0.72 | 4.00 | 5.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 122 | | 19 - 119 | | 82% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 117 | | 10 - 130 | | 78% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 69.5 | | 44 - 120 | | 69% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 74.5 | | 44 - 119 | | 74% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 139 | | 43 - 140 | | 93% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 76.9 | | 50 - 134 | | 77% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 125000 | 7.657 | | | | |
| 1146-65-2 | Naphthalene-d8 | 495000 | 10.428 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 304000 | 14.287 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 614000 | 17.081 | | | | |
| 1719-03-5 | Chrysene-d12 | 693000 | 21.516 | | | | |
| 1520-96-3 | Perylene-d12 | 828000 | 24.792 | | | | |

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_P\Data\BP052025\
Data File : BP024707.D
Acq On : 20 May 2025 14:35
Operator : RC/JU
Sample : PB168048BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Quant Time: May 20 15:06:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.657 | 152 | 124819 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.428 | 136 | 494827 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.287 | 164 | 304328 | 20.000 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.081 | 188 | 614284 | 20.000 | ng | | -0.02 |
| 76) Chrysene-d12 | 21.516 | 240 | 693187 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.792 | 264 | 827509 | 20.000 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.293 | 112 | 893003 | 122.366 | ng | | 0.00 |
| 7) Phenol-d6 | 6.863 | 99 | 1089104 | 116.932 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 8.810 | 82 | 680416 | 69.477 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.810 | 330 | 718839 | 139.330 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.892 | 172 | 1730298 | 74.489 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.816 | 244 | 3106963 | 76.855 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.228 | 88 | 105719 | 30.850 | ng | | 97 |
| 3) Pyridine | 3.617 | 79 | 245584 | 32.320 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 3.528 | 42 | 126980 | 37.853 | ng | | 84 |
| 6) Aniline | 6.999 | 93 | 311151 | 25.875 | ng | | 99 |
| 8) 2-Chlorophenol | 7.234 | 128 | 345097 | 41.656 | ng | | 99 |
| 9) Benzaldehyde | 6.810 | 77 | 184460 | 30.594 | ng | | 99 |
| 10) Phenol | 6.887 | 94 | 384088 | 39.954 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.093 | 93 | 281912 | 35.689 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.546 | 146 | 372303 | 39.061 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.693 | 146 | 377192 | 39.347 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.005 | 146 | 361042 | 38.651 | ng | | 100 |
| 15) Benzyl Alcohol | 7.905 | 79 | 282068 | 39.852 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.175 | 45 | 330220 | 34.907 | ng | | 99 |
| 17) 2-Methylphenol | 8.116 | 107 | 274999 | 39.885 | ng | | 98 |
| 18) Hexachloroethane | 8.716 | 117 | 139528 | 37.982 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.457 | 70 | 215124 | 33.390 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.446 | 107 | 363562 | 38.764 | ng | | 96 |
| 22) Acetophenone | 8.475 | 105 | 480484 | 38.873 | ng | # | 100 |
| 24) Nitrobenzene | 8.846 | 77 | 325420 | 37.759 | ng | | 96 |
| 25) Isophorone | 9.369 | 82 | 610351 | 35.928 | ng | | 98 |
| 26) 2-Nitrophenol | 9.551 | 139 | 184377 | 43.659 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 9.628 | 122 | 319643 | 42.929 | ng | | 100 |
| 28) bis(2-Chloroethoxy)met... | 9.846 | 93 | 377505 | 37.195 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.104 | 162 | 316434 | 43.856 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.293 | 180 | 333960 | 41.073 | ng | | 97 |
| 31) Naphthalene | 10.475 | 128 | 1011010 | 39.427 | ng | | 100 |
| 32) Benzoic acid | 9.804 | 122 | 190843 | 38.557 | ng | | 97 |
| 33) 4-Chloroaniline | 10.599 | 127 | 201537 | 19.477 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.757 | 225 | 223160 | 42.367 | ng | | 98 |
| 35) Caprolactam | 11.393 | 113 | 103513 | 39.652 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 11.746 | 107 | 368425 | 41.871 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.087 | 142 | 656171 | 39.519 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.310 | 142 | 701480 | 39.485 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.457 | 216 | 384111 | 43.465 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.434 | 237 | 477928 | 89.188 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 12.716 | 196 | 265360 | 46.359 | ng | | 98 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024707.D
Acq On : 20 May 2025 14:35
Operator : RC/JU
Sample : PB168048BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Quant Time: May 20 15:06:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

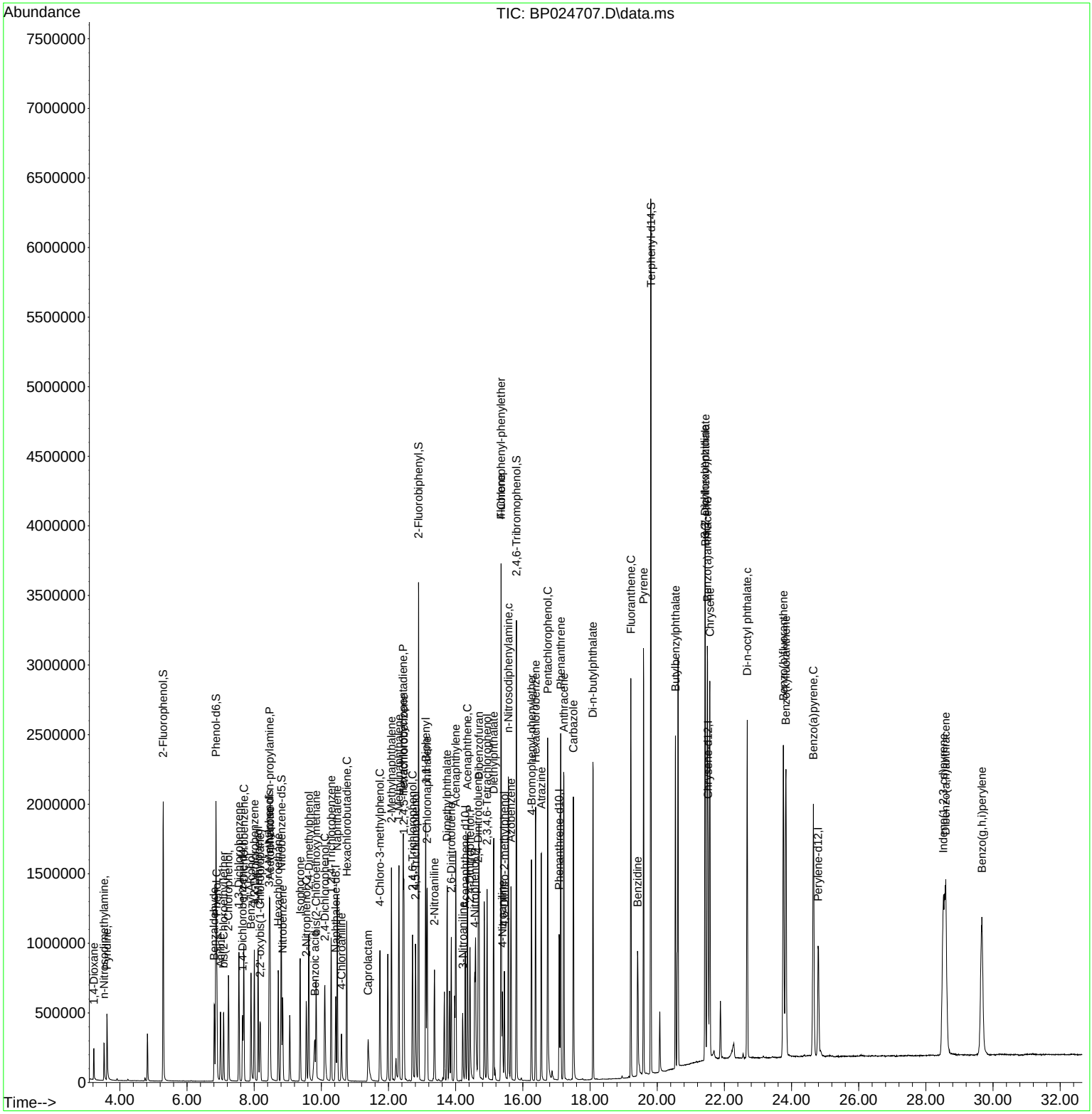
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.804 | 196 | 286530 | 44.970 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.110 | 154 | 963510 | 42.836 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.151 | 162 | 737226 | 42.986 | ng | | 99 |
| 48) 2-Nitroaniline | 13.369 | 65 | 219663 | 43.261 | ng | | 96 |
| 49) Acenaphthylene | 14.004 | 152 | 1189545 | 41.446 | ng | | 100 |
| 50) Dimethylphthalate | 13.745 | 163 | 984006 | 42.421 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.869 | 165 | 210670 | 43.004 | ng | | 99 |
| 52) Acenaphthene | 14.351 | 154 | 680659 | 41.253 | ng | | 100 |
| 53) 3-Nitroaniline | 14.210 | 138 | 131765 | 26.342 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 14.428 | 184 | 252393 | 81.567 | ng | | 96 |
| 55) Dibenzofuran | 14.692 | 168 | 1109951 | 42.175 | ng | | 99 |
| 56) 4-Nitrophenol | 14.569 | 139 | 325725 | 75.469 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 14.669 | 165 | 308420 | 44.656 | ng | | 97 |
| 58) Fluorene | 15.351 | 166 | 910033 | 42.407 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.934 | 232 | 256167 | 43.340 | ng | | 97 |
| 60) Diethylphthalate | 15.134 | 149 | 974989 | 41.587 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.351 | 204 | 455268 | 42.541 | ng | | 99 |
| 62) 4-Nitroaniline | 15.392 | 138 | 193166 | 39.994 | ng | | 99 |
| 63) Azobenzene | 15.645 | 77 | 814077 | 40.590 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylph... | 15.451 | 198 | 175622 | 44.261 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 15.569 | 169 | 803540 | 42.587 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.257 | 248 | 318593 | 44.014 | ng | | 99 |
| 68) Hexachlorobenzene | 16.381 | 284 | 408492 | 44.412 | ng | | 94 |
| 69) Atrazine | 16.551 | 200 | 307059 | 44.406 | ng | | 99 |
| 70) Pentachlorophenol | 16.739 | 266 | 510226 | 98.822 | ng | | 100 |
| 71) Phenanthrene | 17.128 | 178 | 1386666 | 40.607 | ng | | 99 |
| 72) Anthracene | 17.222 | 178 | 1457149 | 42.411 | ng | | 100 |
| 73) Carbazole | 17.504 | 167 | 1335342 | 42.941 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.086 | 149 | 1657780 | 41.451 | ng | | 99 |
| 75) Fluoranthene | 19.216 | 202 | 1695882 | 42.484 | ng | | 99 |
| 77) Benzidine | 19.416 | 184 | 723227 | 38.307 | ng | | 100 |
| 78) Pyrene | 19.592 | 202 | 1760402 | 42.384 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.545 | 149 | 796147 | 43.100 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.492 | 228 | 1825211 | 41.934 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.421 | 252 | 533711 | 33.013 | ng | | 100 |
| 83) Chrysene | 21.569 | 228 | 1682550 | 40.778 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.433 | 149 | 1203178 | 44.315 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.680 | 149 | 2017155 | 45.433 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.521 | 276 | 2578470 | 42.681 | ng | # | 87 |
| 88) Benzo(b)fluoranthene | 23.757 | 252 | 2012992 | 42.499 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 23.833 | 252 | 2085330 | 42.726 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.651 | 252 | 1937802 | 42.598 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.592 | 278 | 2122778 | 43.192 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 29.668 | 276 | 2055756 | 42.061 | ng | | 98 |

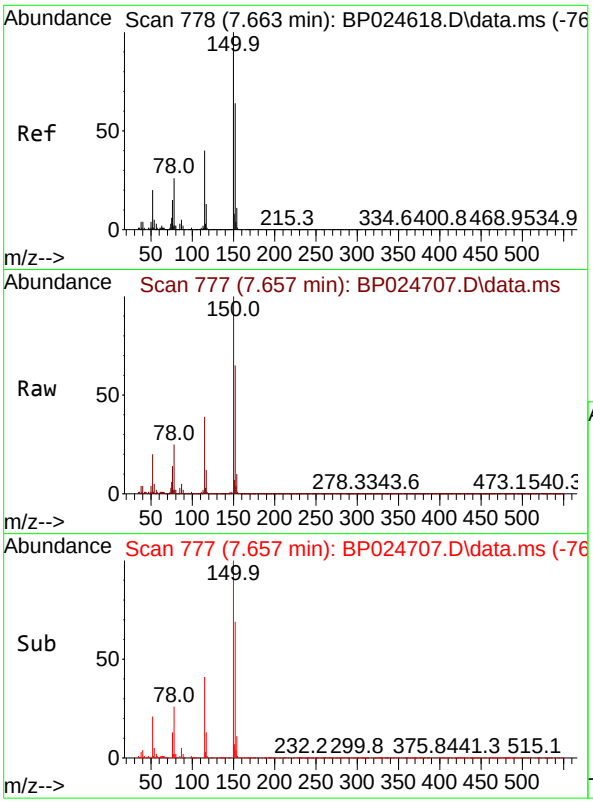
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024707.D
Acq On : 20 May 2025 14:35
Operator : RC/JU
Sample : PB168048BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Quant Time: May 20 15:06:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



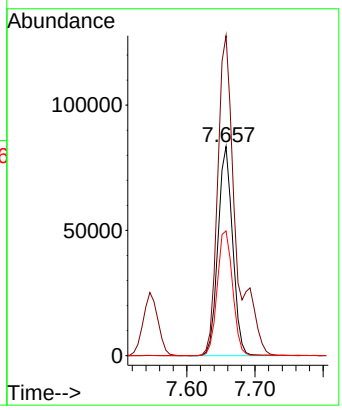


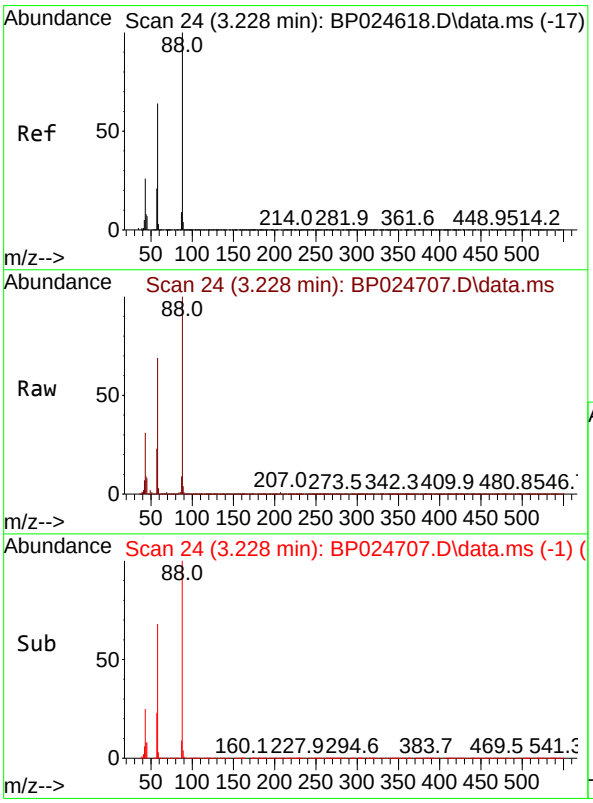

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:152 Resp: 124819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.0 | 125.9 | 188.9 |
| 115 | 59.6 | 50.1 | 75.1 |

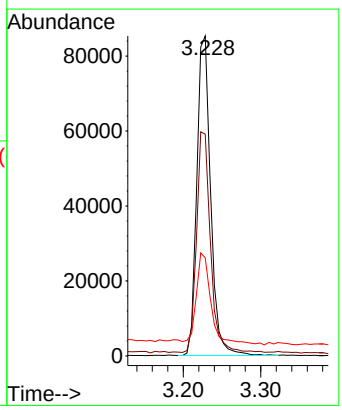


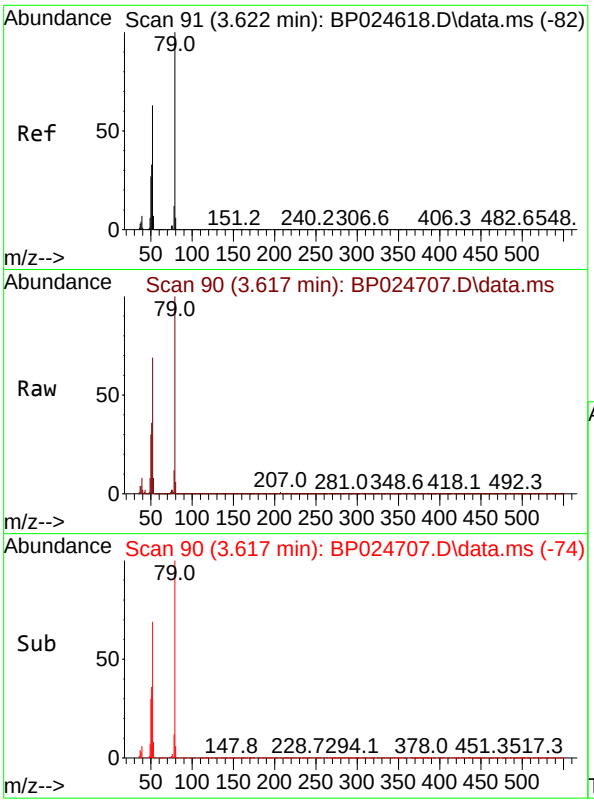




#2
1,4-Dioxane
Concen: 30.850 ng
RT: 3.228 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion: 88 Resp: 105719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 68.7 | 54.0 | 81.0 |
| 43 | 31.1 | 21.4 | 32.0 |



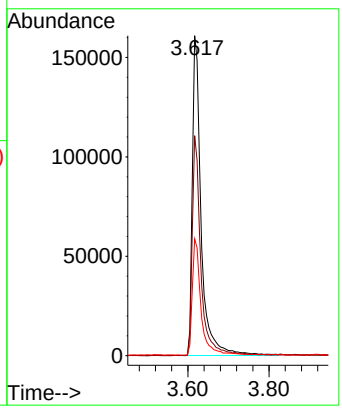


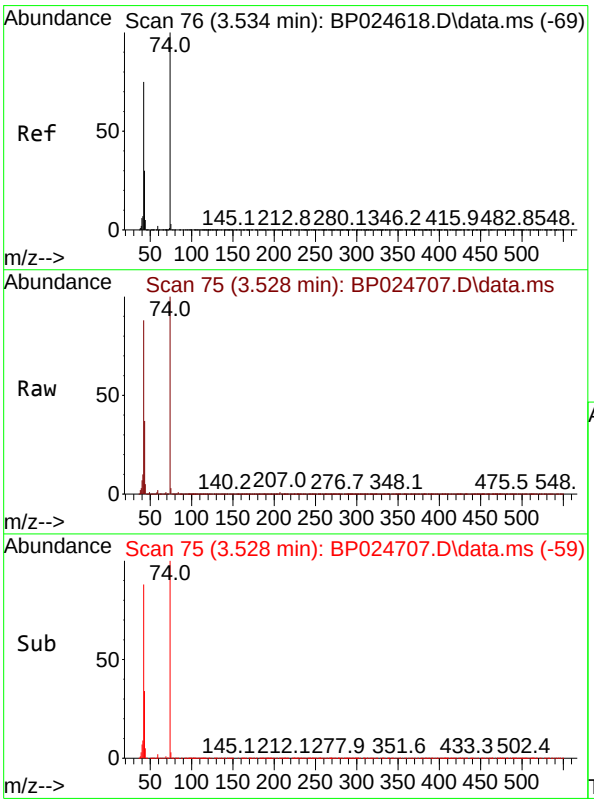

#3
Pyridine
Concen: 32.320 ng
RT: 3.617 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion: 79 Resp: 245584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 68.8 | 50.2 | 75.2 |
| 51 | 36.5 | 26.8 | 40.2 |

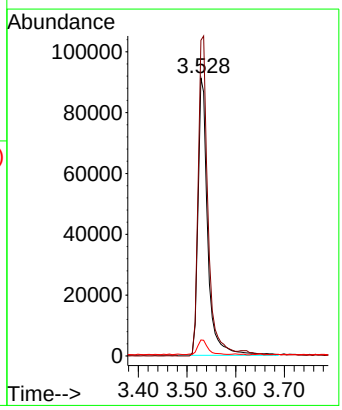


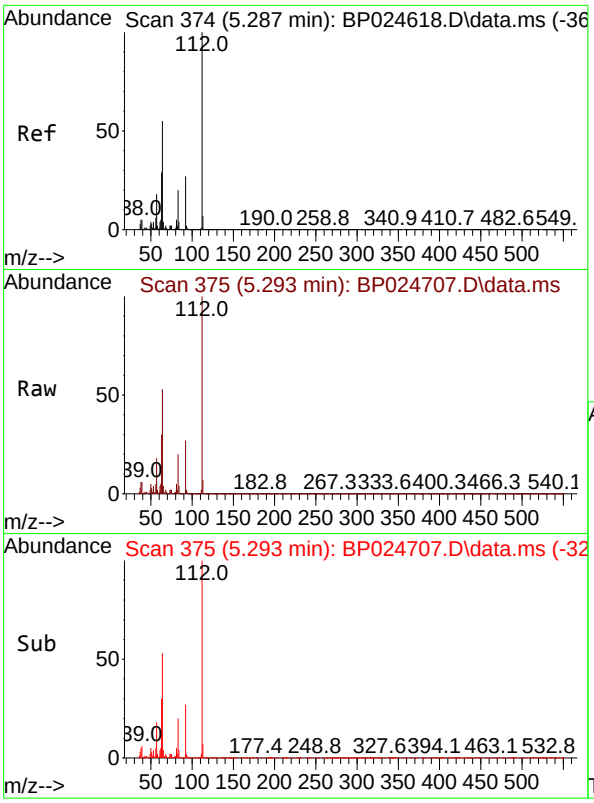




#4
n-Nitrosodimethylamine
Concen: 37.853 ng
RT: 3.528 min Scan# 75
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion: 42 Resp: 126980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 113.6 | 106.2 | 159.2 |
| 44 | 5.7 | 5.4 | 8.2 |



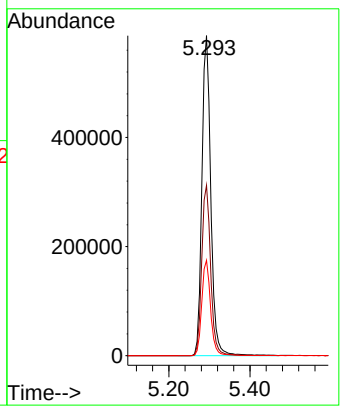


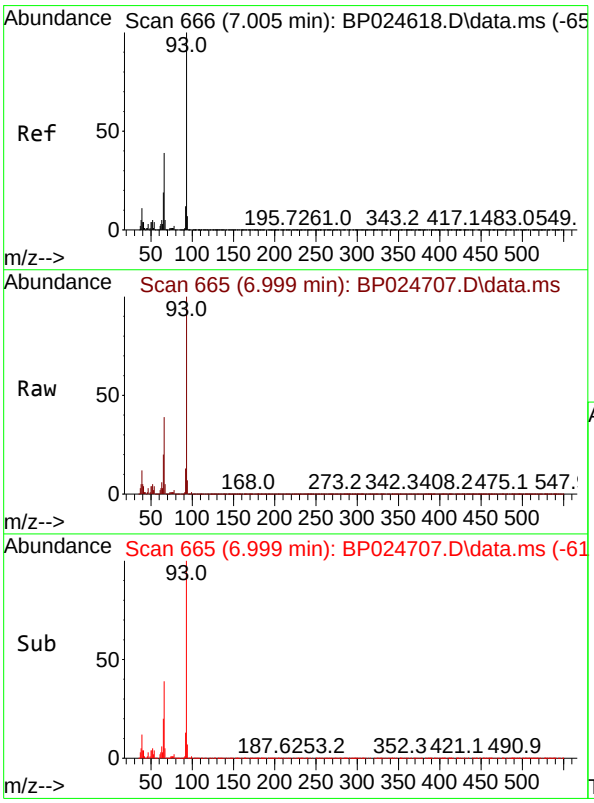

#5
2-Fluorophenol
Concen: 122.366 ng
RT: 5.293 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:112 Resp: 893003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.3 | 44.1 | 66.1 |
| 63 | 29.8 | 23.5 | 35.3 |

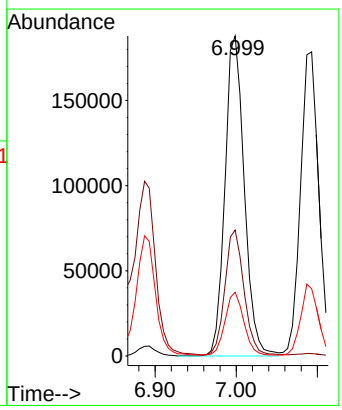


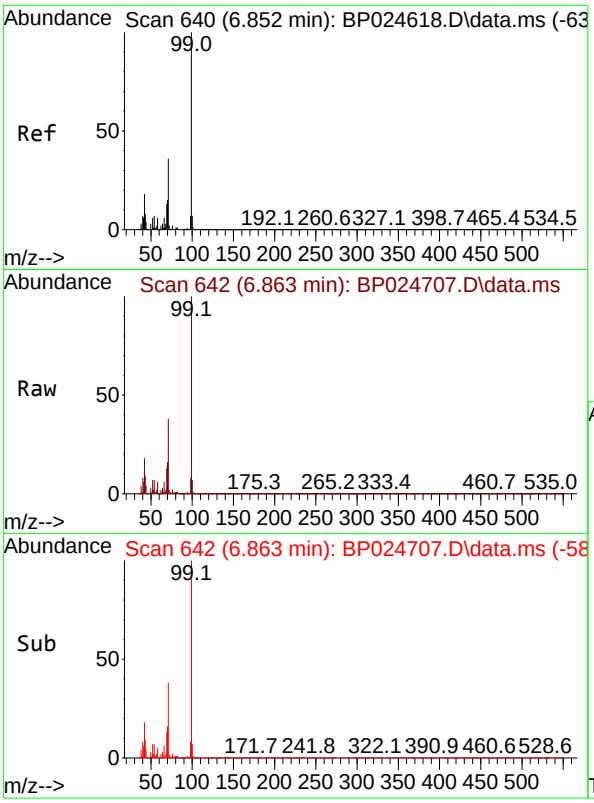




#6
Aniline
Concen: 25.875 ng
RT: 6.999 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion: 93 Resp: 311151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.4 | 31.0 | 46.6 |
| 65 | 19.9 | 15.5 | 23.3 |



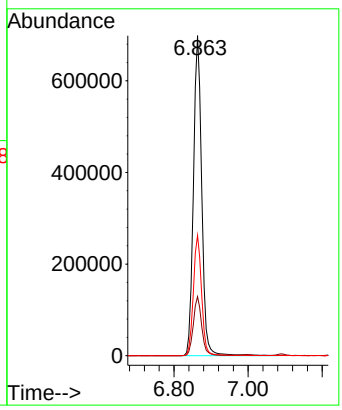


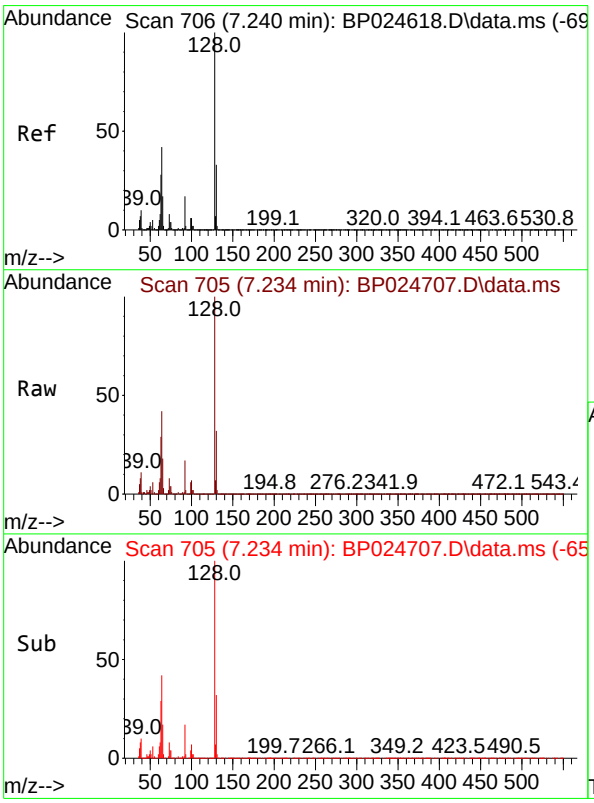

#7
Phenol-d6
Concen: 116.932 ng
RT: 6.863 min Scan# 64
Delta R.T. 0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion: 99 Resp: 1089104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.4 | 14.4 | 21.6 |
| 71 | 37.6 | 29.2 | 43.8 |

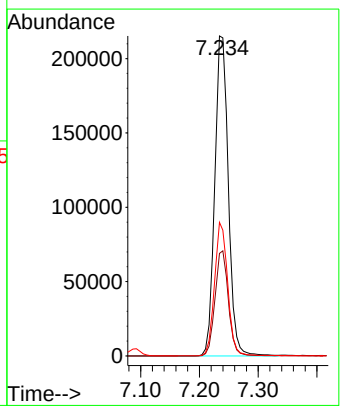


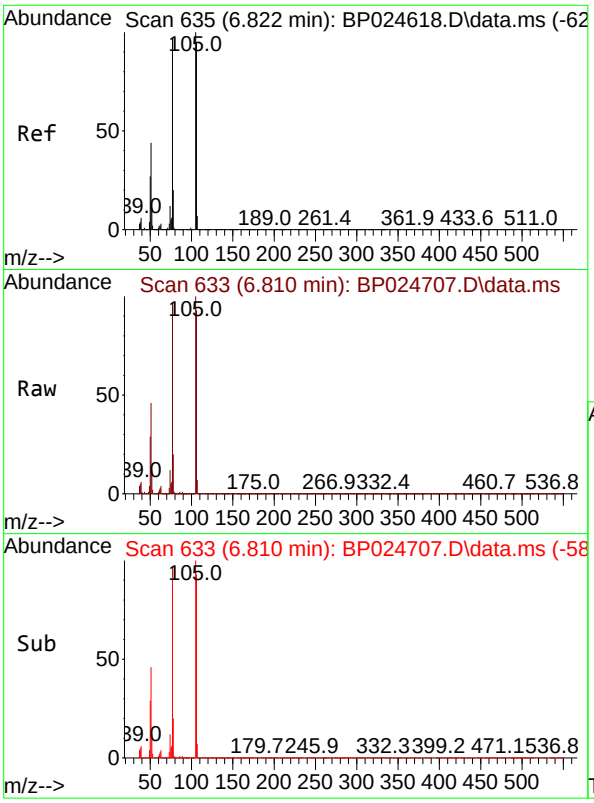




#8
2-Chlorophenol
Concen: 41.656 ng
RT: 7.234 min Scan# 705
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:128 Resp: 345097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.0 | 13.0 | 53.0 |
| 64 | 41.8 | 22.3 | 62.3 |



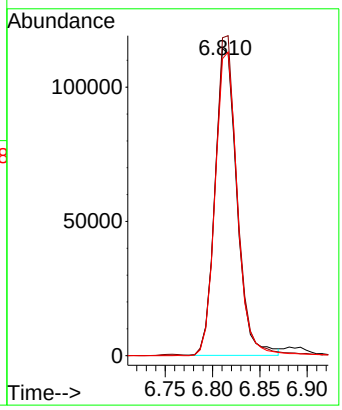


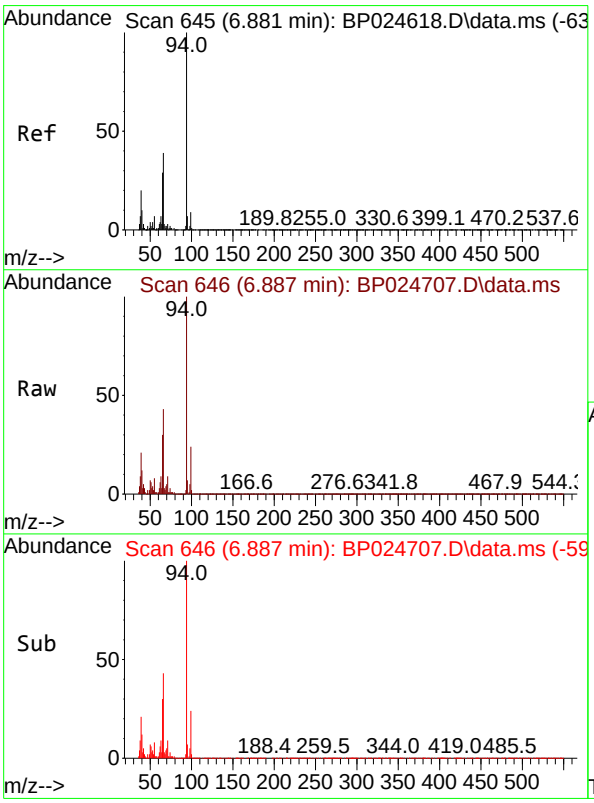

#9
Benzaldehyde
Concen: 30.594 ng
RT: 6.810 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion: 77 Resp: 184460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 103.5 | 83.3 | 123.3 |
| 106 | 96.7 | 78.0 | 118.0 |

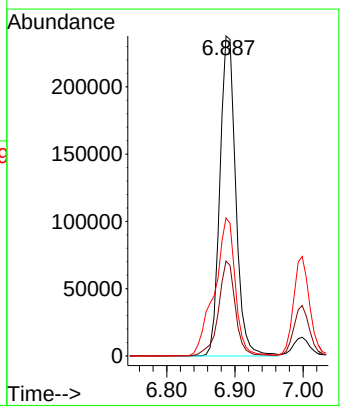


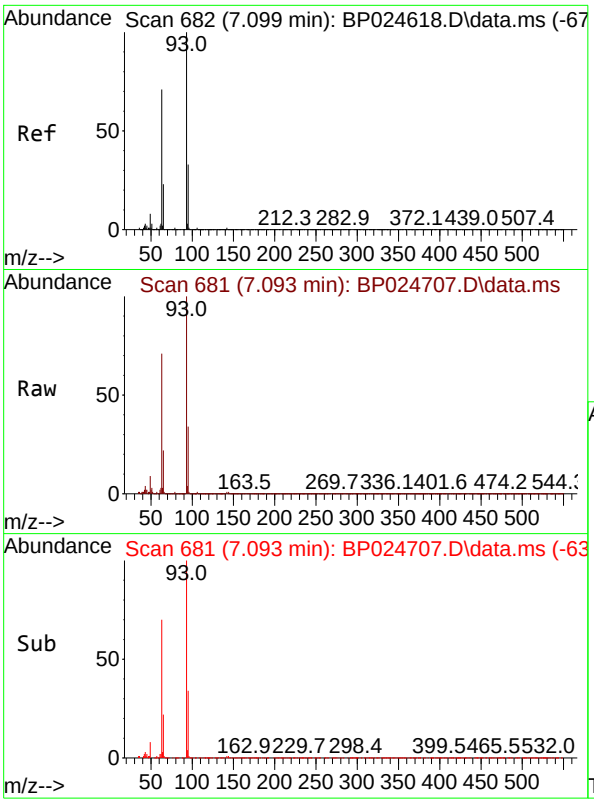




#10
Phenol
Concen: 39.954 ng
RT: 6.887 min Scan# 646
Delta R.T. 0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion: 94 Resp: 384088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.7 | 8.7 | 48.7 |
| 66 | 43.1 | 19.4 | 59.4 |



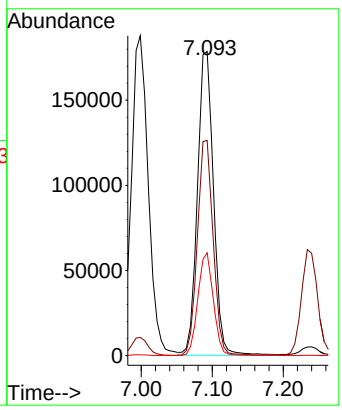


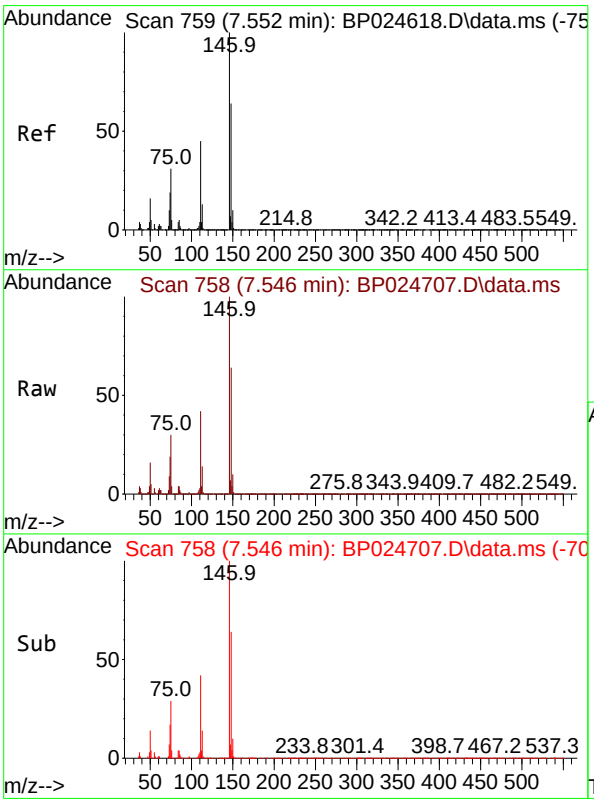

#11
bis(2-Chloroethyl)ether
Concen: 35.689 ng
RT: 7.093 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion: 93 Resp: 281912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 70.7 | 50.6 | 90.6 |
| 95 | 33.8 | 12.9 | 52.9 |

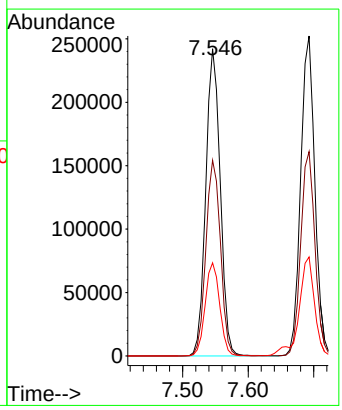


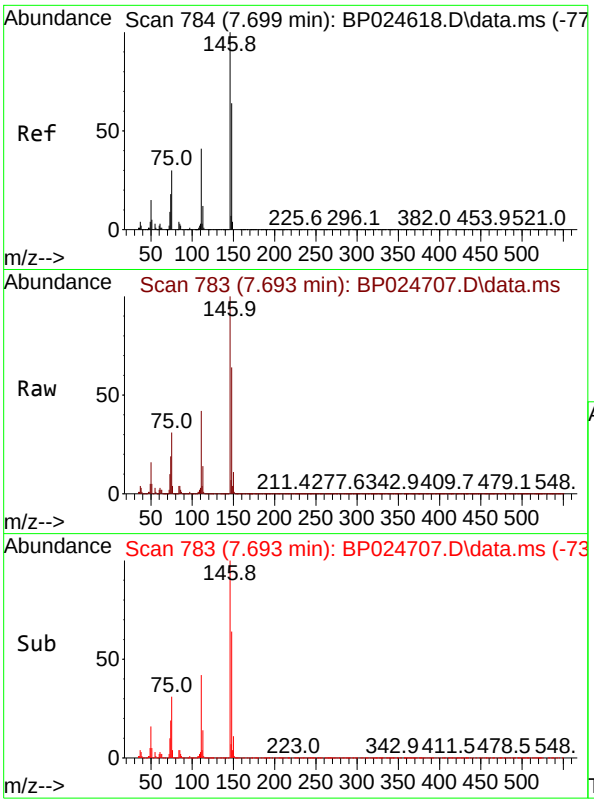




#12
1,3-Dichlorobenzene
Concen: 39.061 ng
RT: 7.546 min Scan# 758
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:146 Resp: 372303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.7 | 51.4 | 77.2 |
| 75 | 30.3 | 25.2 | 37.8 |



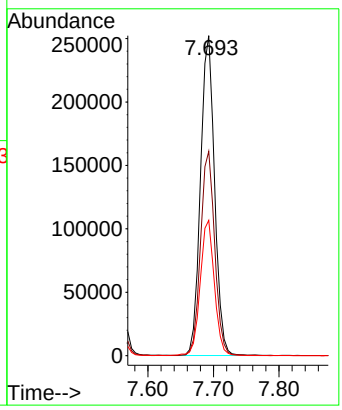


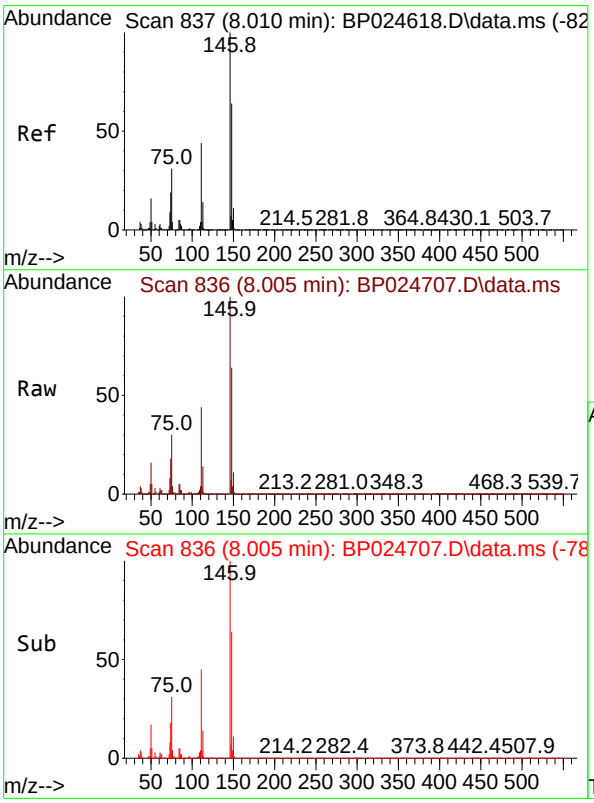

#13
1,4-Dichlorobenzene
Concen: 39.347 ng
RT: 7.693 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:146 Resp: 377192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 51.0 | 76.6 |
| 111 | 42.3 | 33.0 | 49.6 |

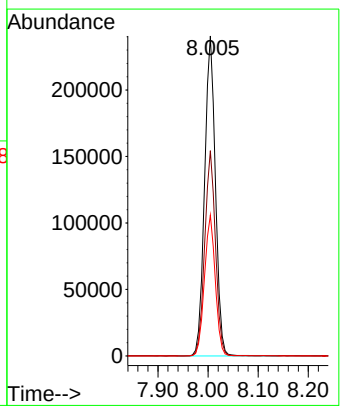


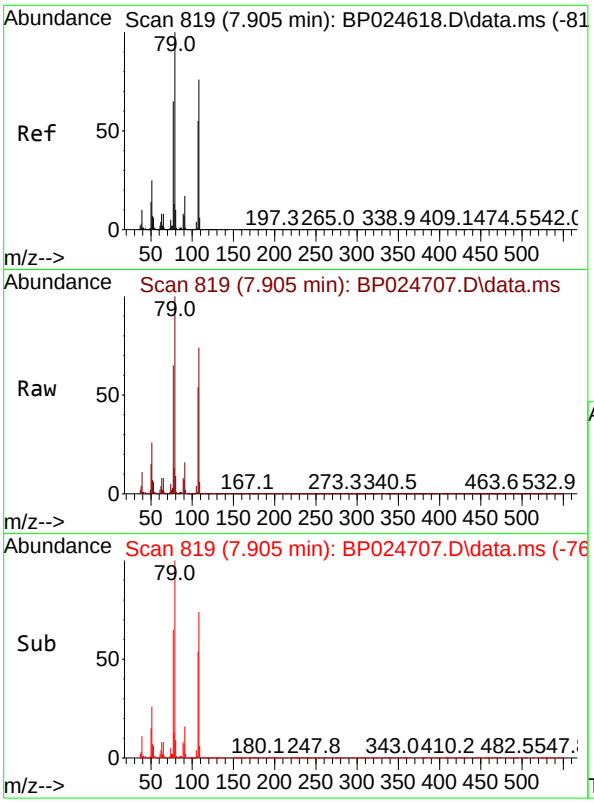




#14
1,2-Dichlorobenzene
Concen: 38.651 ng
RT: 8.005 min Scan# 836
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:146 Resp: 361042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.1 | 51.0 | 76.4 |
| 111 | 44.0 | 35.2 | 52.8 |



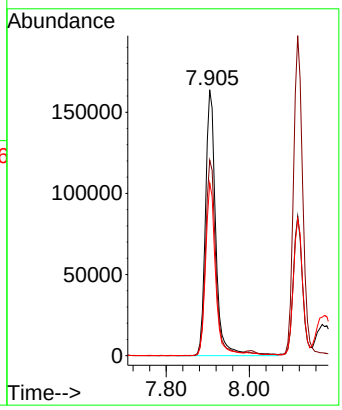


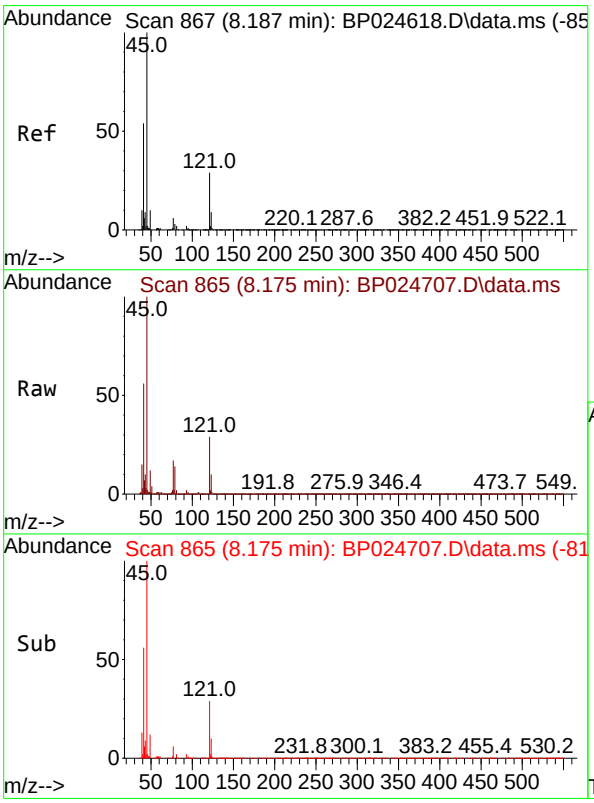

#15
Benzyl Alcohol
Concen: 39.852 ng
RT: 7.905 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion: 79 Resp: 282068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 73.5 | 60.8 | 91.2 |
| 77 | 65.0 | 51.9 | 77.9 |

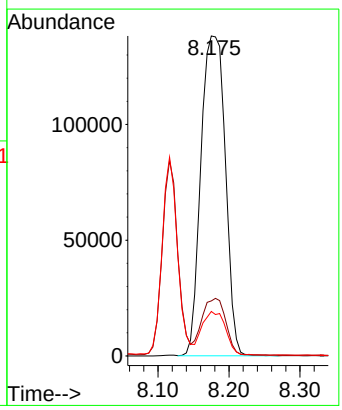


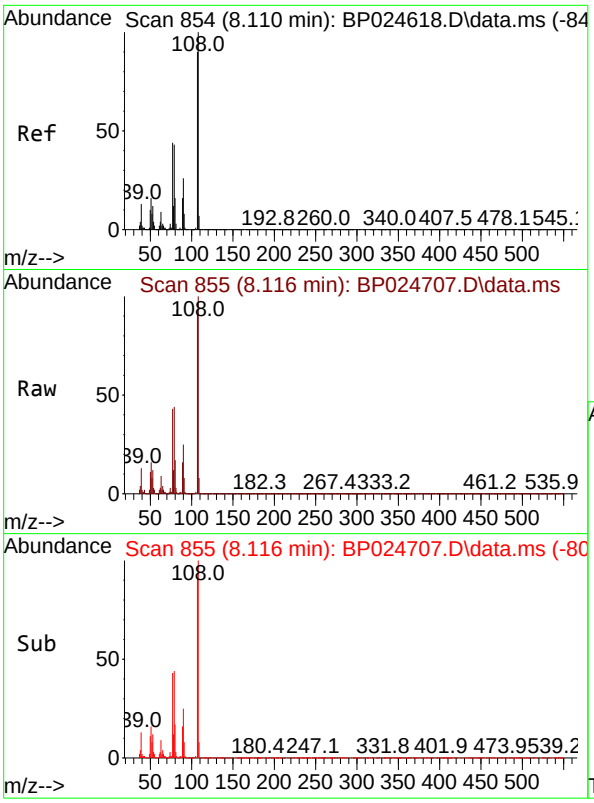




#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.907 ng
RT: 8.175 min Scan# 865
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion: 45 Resp: 330220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 17.2 | 0.0 | 37.7 |
| 79 | 13.9 | 0.0 | 34.0 |



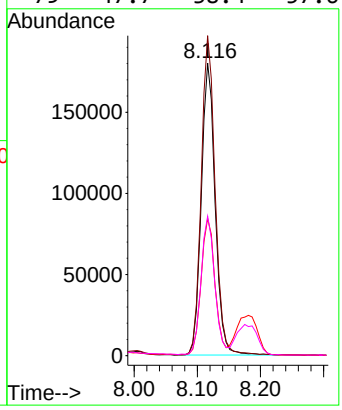


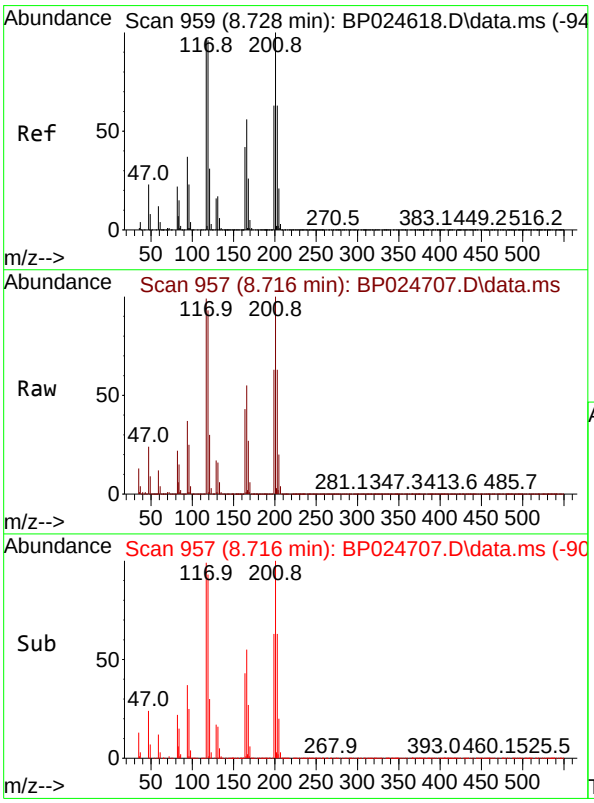

#17
2-Methylphenol
Concen: 39.885 ng
RT: 8.116 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:107 Resp: 274999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 109.4 | 88.9 | 133.3 |
| 77 | 46.9 | 39.0 | 58.6 |
| 79 | 47.7 | 38.4 | 57.6 |

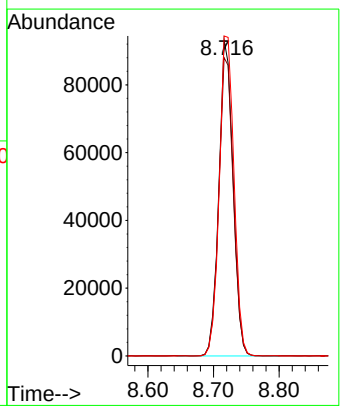


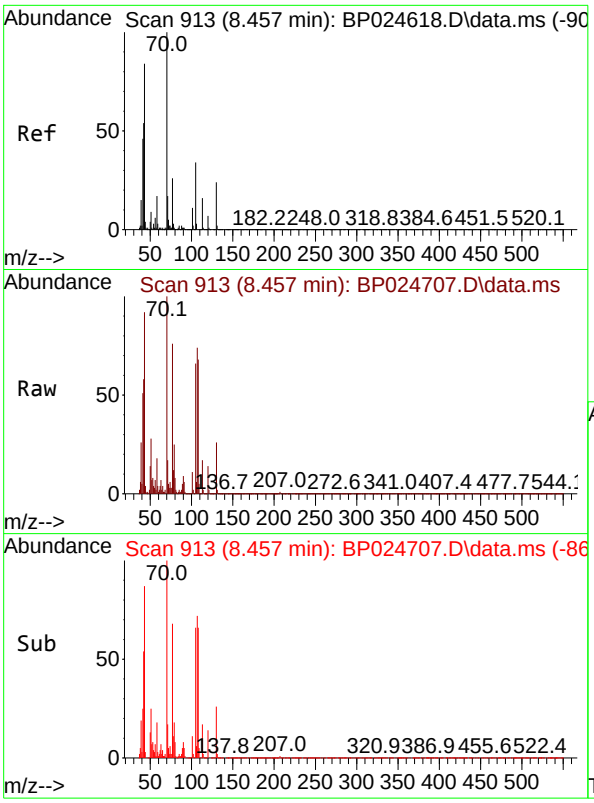




#18
Hexachloroethane
Concen: 37.982 ng
RT: 8.716 min Scan# 957
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:117 Resp: 139528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.4 | 79.4 | 119.0 |
| 201 | 101.3 | 82.7 | 124.1 |



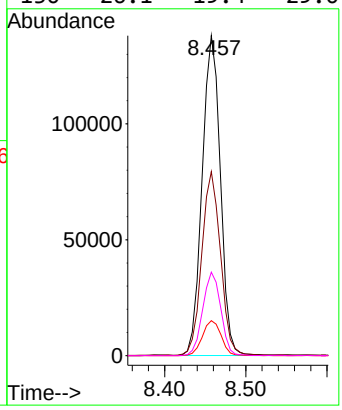


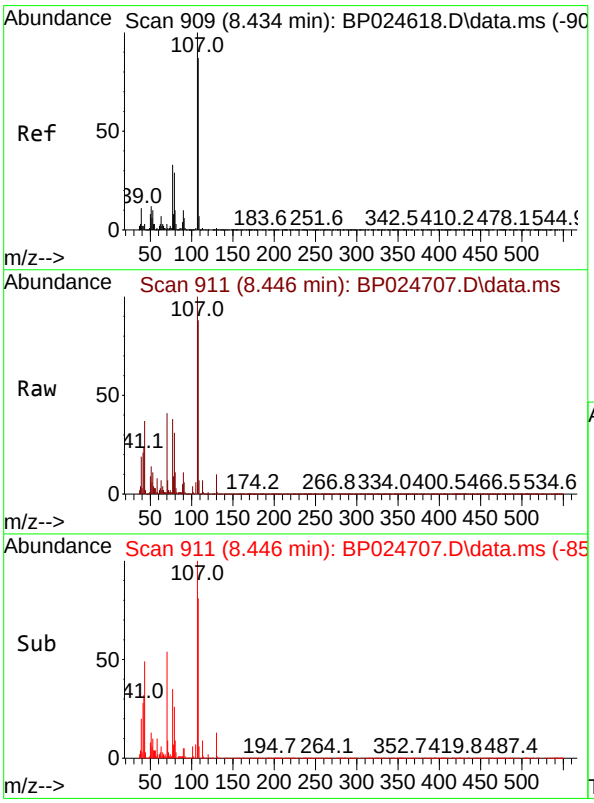

#19
n-Nitroso-di-n-propylamine
Concen: 33.390 ng
RT: 8.457 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion: 70 Resp: 215124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 57.5 | 43.0 | 64.6 |
| 101 | 11.0 | 8.7 | 13.1 |
| 130 | 26.1 | 19.4 | 29.0 |

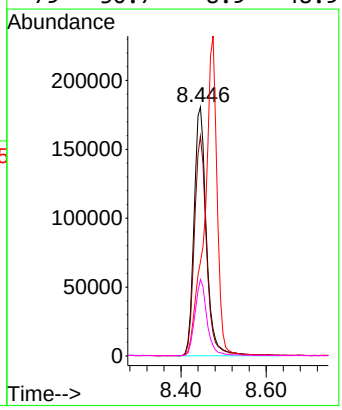


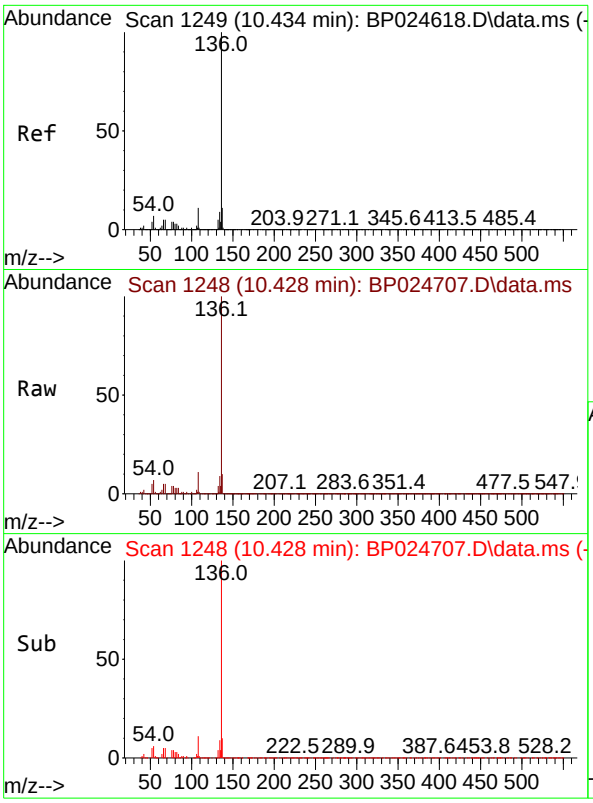




#20
3+4-Methylphenols
Concen: 38.764 ng
RT: 8.446 min Scan# 911
Delta R.T. 0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:107 Resp: 363562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.3 | 66.7 | 106.7 |
| 77 | 37.7 | 13.1 | 53.1 |
| 79 | 30.7 | 8.9 | 48.9 |



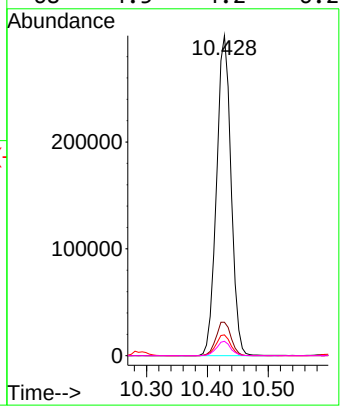


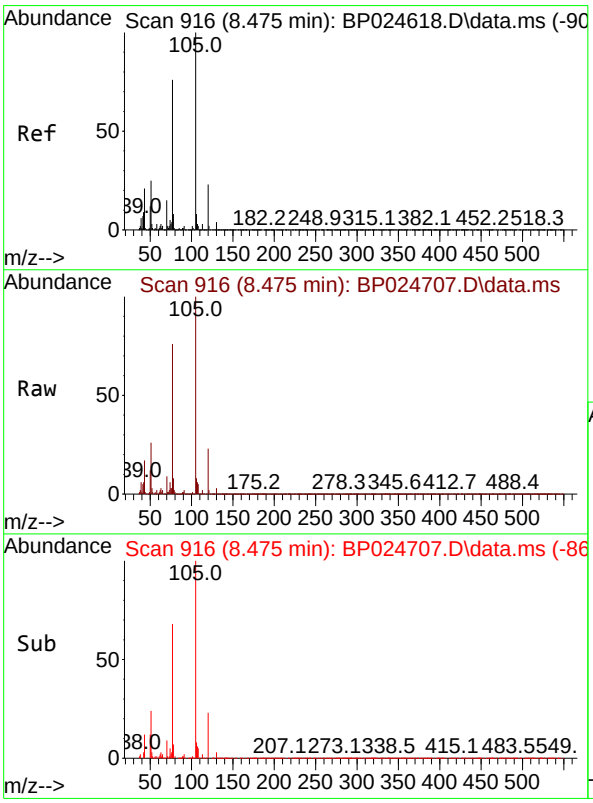

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:136 Resp: 494827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.4 | 8.8 | 13.2 |
| 54 | 6.5 | 5.5 | 8.3 |
| 68 | 4.5 | 4.2 | 6.2 |

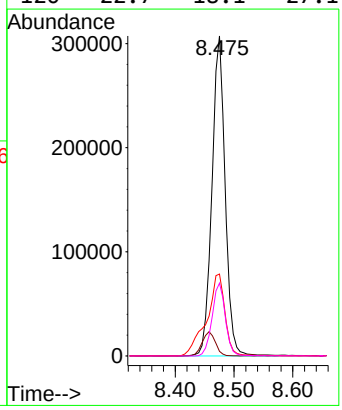


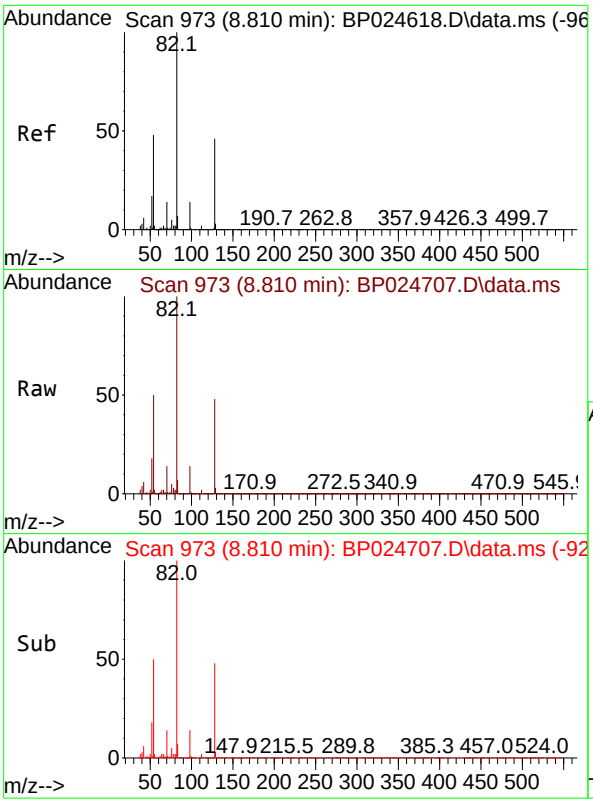




#22
Acetophenone
Concen: 38.873 ng
RT: 8.475 min Scan# 916
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:105 Resp: 480484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 1.4 | 2.0 | 3.0# |
| 51 | 25.6 | 20.4 | 30.6 |
| 120 | 22.7 | 18.1 | 27.1 |



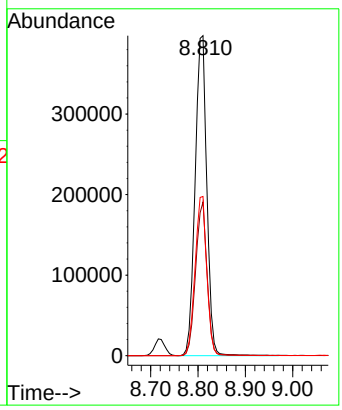


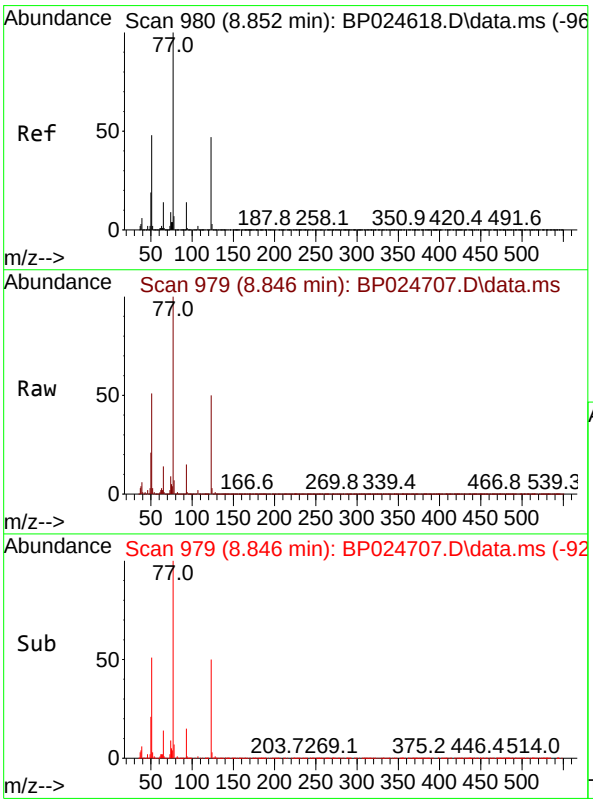

#23
Nitrobenzene-d5
Concen: 69.477 ng
RT: 8.810 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion: 82 Resp: 680416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 48.0 | 37.0 | 55.4 |
| 54 | 49.7 | 38.7 | 58.1 |

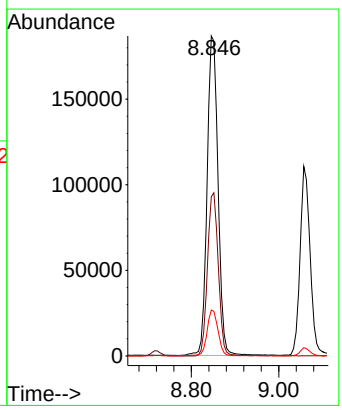


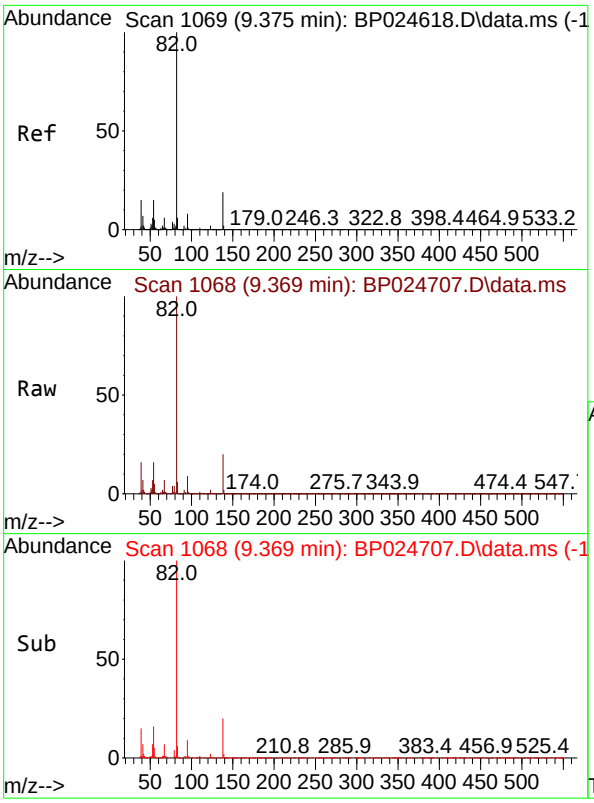




#24
Nitrobenzene
Concen: 37.759 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion: 77 Resp: 325420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 49.8 | 37.4 | 56.0 |
| 65 | 14.4 | 11.3 | 16.9 |



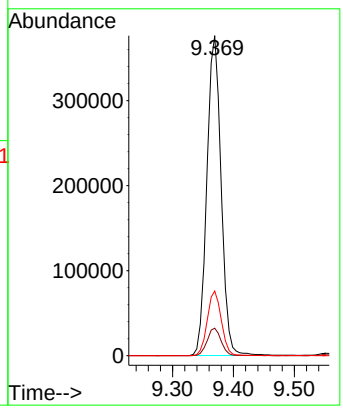


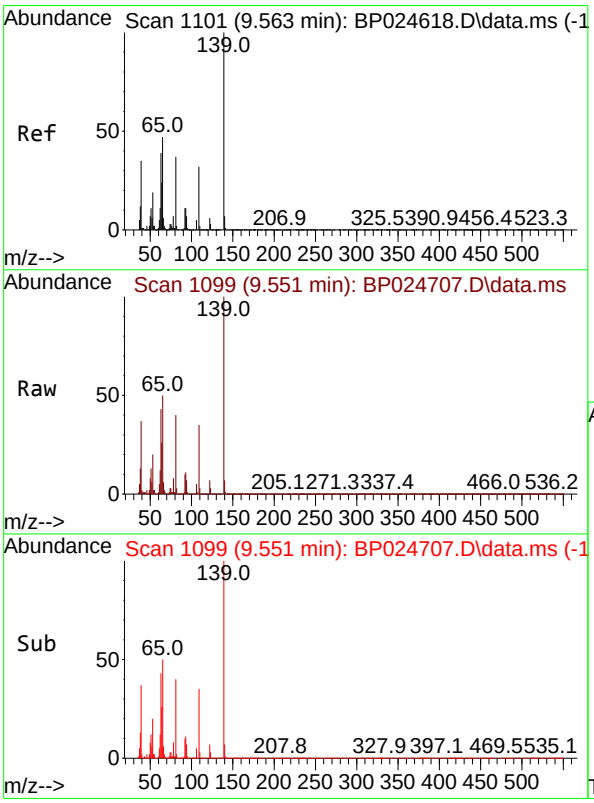

#25
Isophorone
Concen: 35.928 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion: 82 Resp: 610351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.6 | 6.3 | 9.5 |
| 138 | 20.2 | 15.3 | 22.9 |

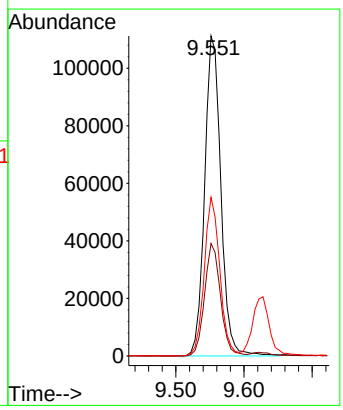


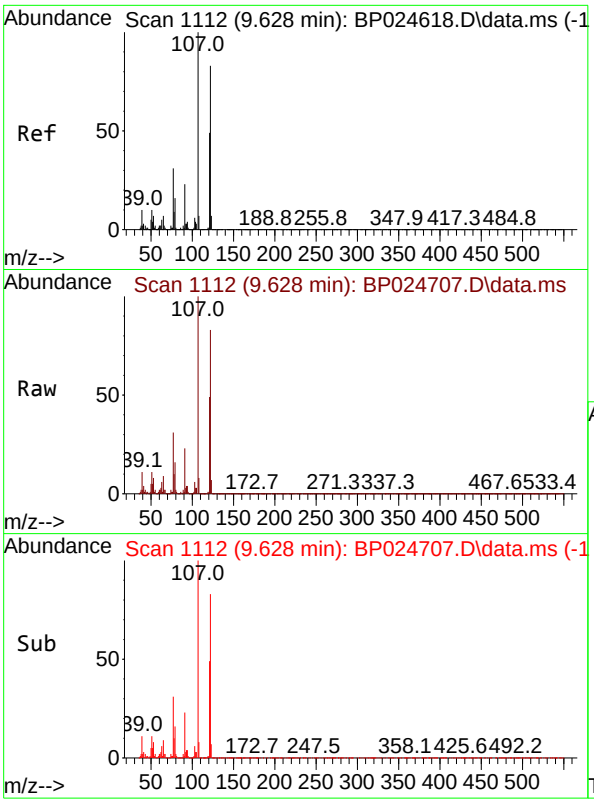




#26
2-Nitrophenol
Concen: 43.659 ng
RT: 9.551 min Scan# 1099
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:139 Resp: 184377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 35.2 | 25.9 | 38.9 |
| 65 | 49.6 | 37.9 | 56.9 |



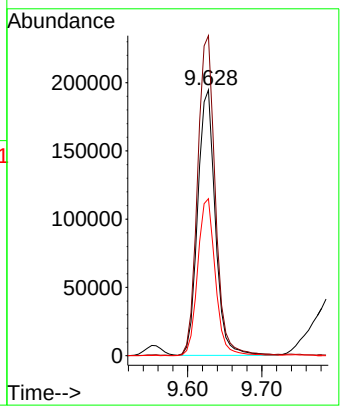


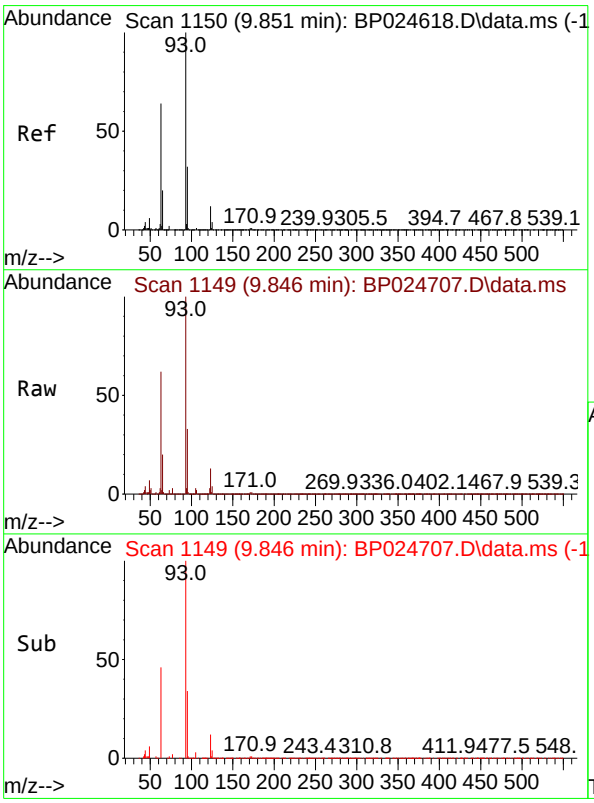

#27
2,4-Dimethylphenol
Concen: 42.929 ng
RT: 9.628 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:122 Resp: 319643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 120.4 | 96.2 | 144.2 |
| 121 | 59.1 | 47.6 | 71.4 |

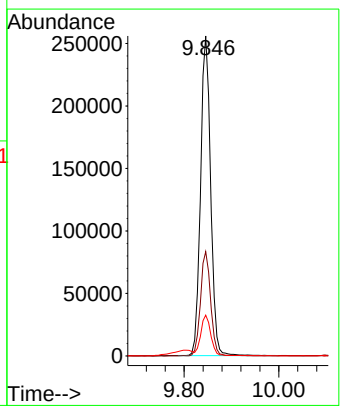


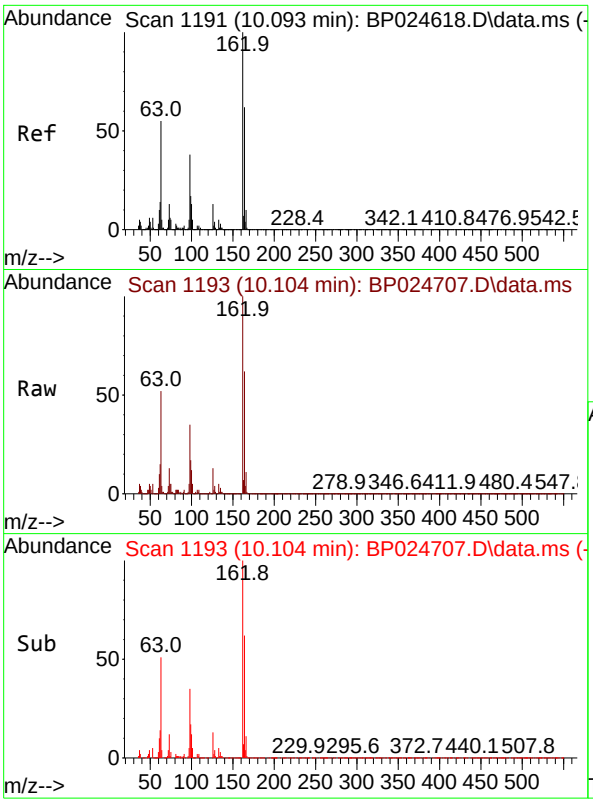




#28
bis(2-Chloroethoxy)methane
Concen: 37.195 ng
RT: 9.846 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion: 93 Resp: 377505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.6 | 25.5 | 38.3 |
| 123 | 12.7 | 9.7 | 14.5 |



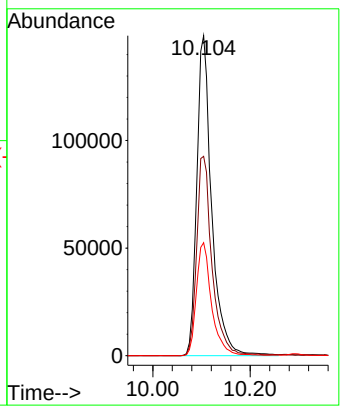


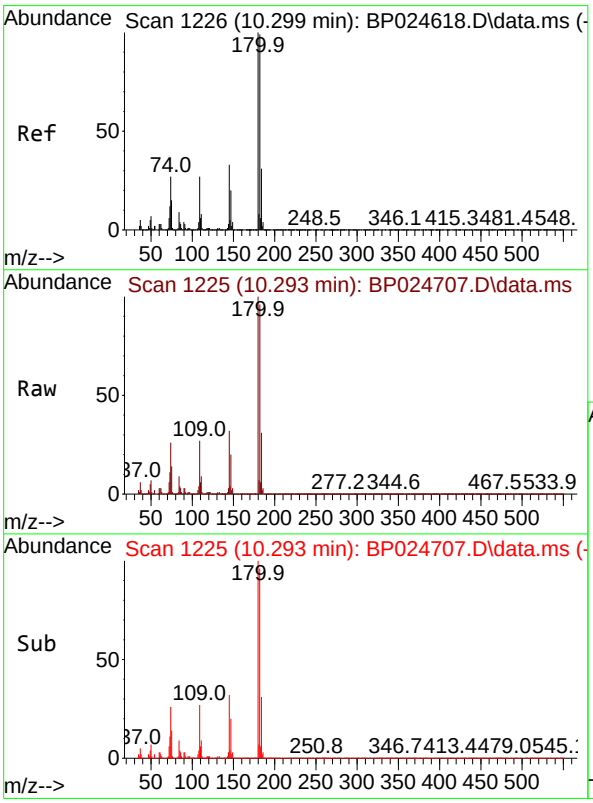

#29
2,4-Dichlorophenol
Concen: 43.856 ng
RT: 10.104 min Scan# 11
Delta R.T. 0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:162 Resp: 316434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 62.3 | 42.3 | 82.3 |
| 98 | 35.3 | 18.4 | 58.4 |

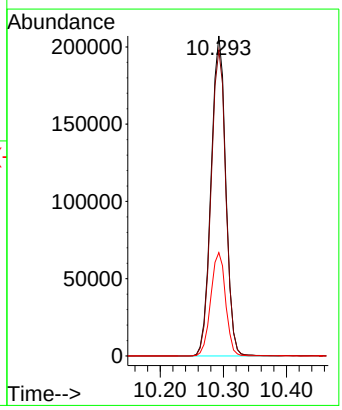


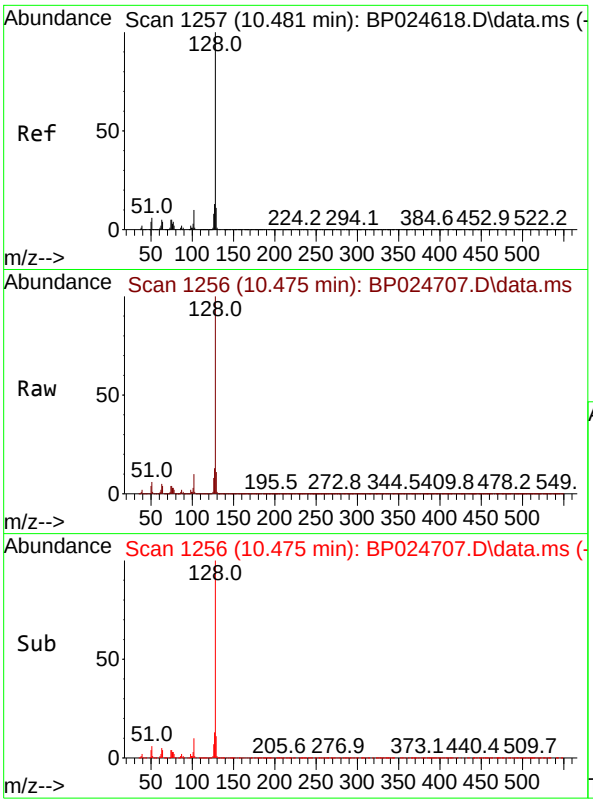




#30
1,2,4-Trichlorobenzene
Concen: 41.073 ng
RT: 10.293 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:180 Resp: 333960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.6 | 79.0 | 118.4 |
| 145 | 32.3 | 26.6 | 39.8 |



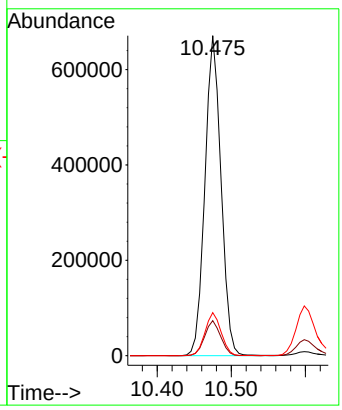


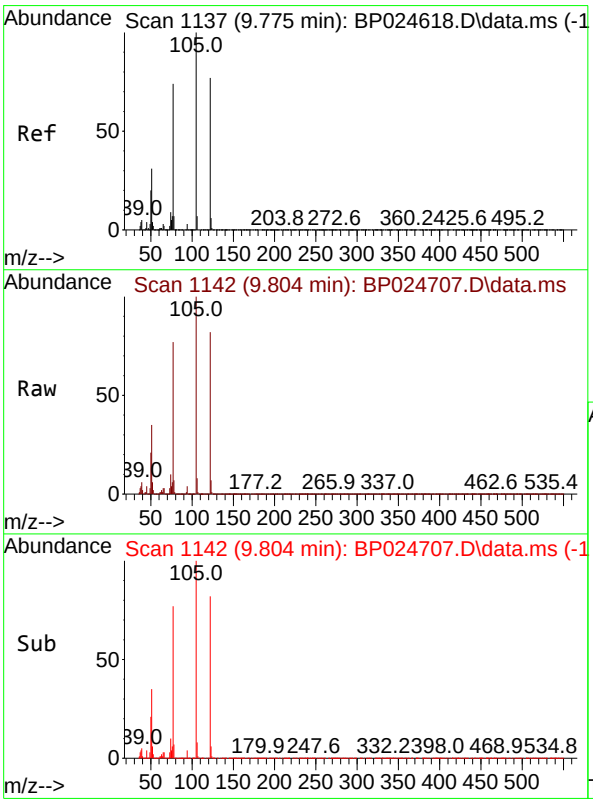

#31
Naphthalene
Concen: 39.427 ng
RT: 10.475 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:128 Resp: 1011010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.8 | 13.2 |
| 127 | 13.5 | 10.7 | 16.1 |

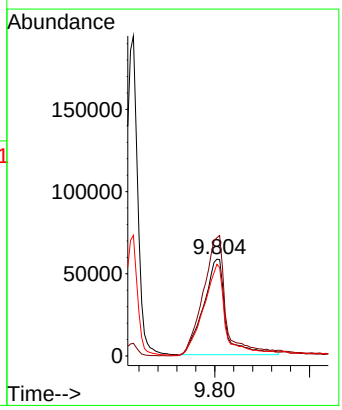


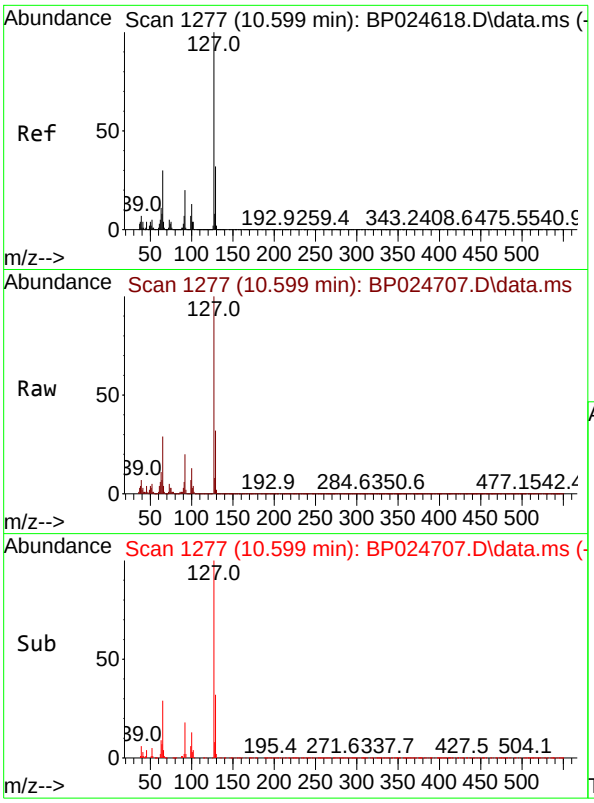




#32
Benzoic acid
Concen: 38.557 ng
RT: 9.804 min Scan# 1142
Delta R.T. 0.029 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:122 Resp: 190843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 122.2 | 106.9 | 146.9 |
| 77 | 94.7 | 75.1 | 115.1 |



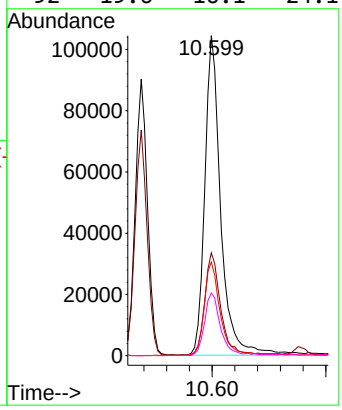


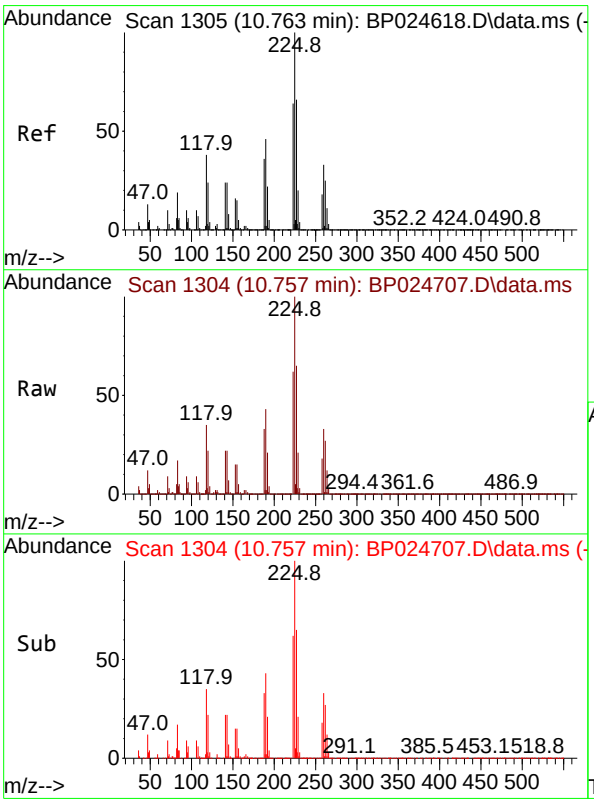

#33
4-Chloroaniline
Concen: 19.477 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:127 Resp: 201537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.1 | 25.8 | 38.6 |
| 65 | 29.3 | 23.9 | 35.9 |
| 92 | 19.6 | 16.1 | 24.1 |

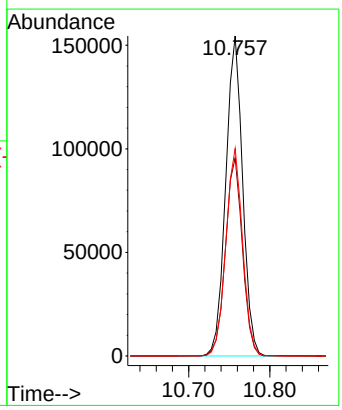


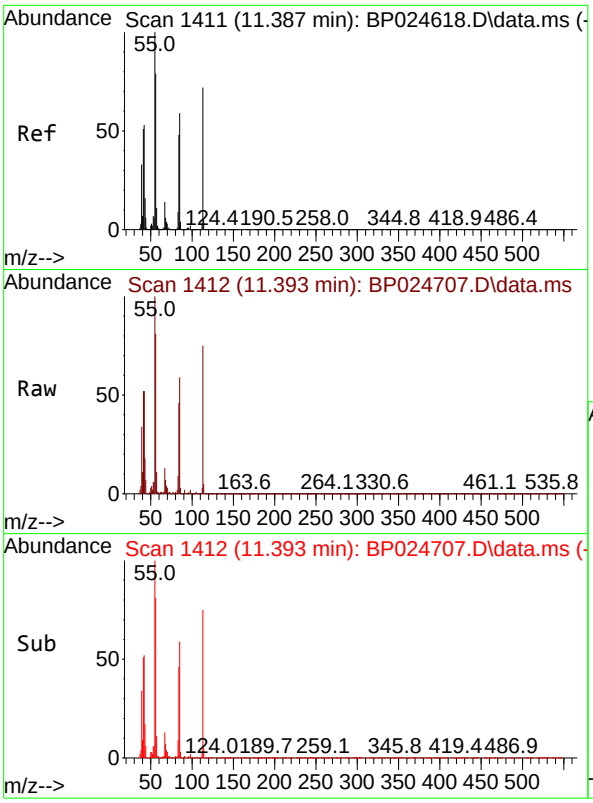




#34
Hexachlorobutadiene
Concen: 42.367 ng
RT: 10.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:225 Resp: 223160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.9 | 51.0 | 76.6 |
| 227 | 64.8 | 53.1 | 79.7 |



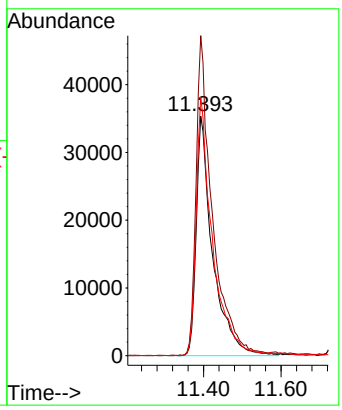


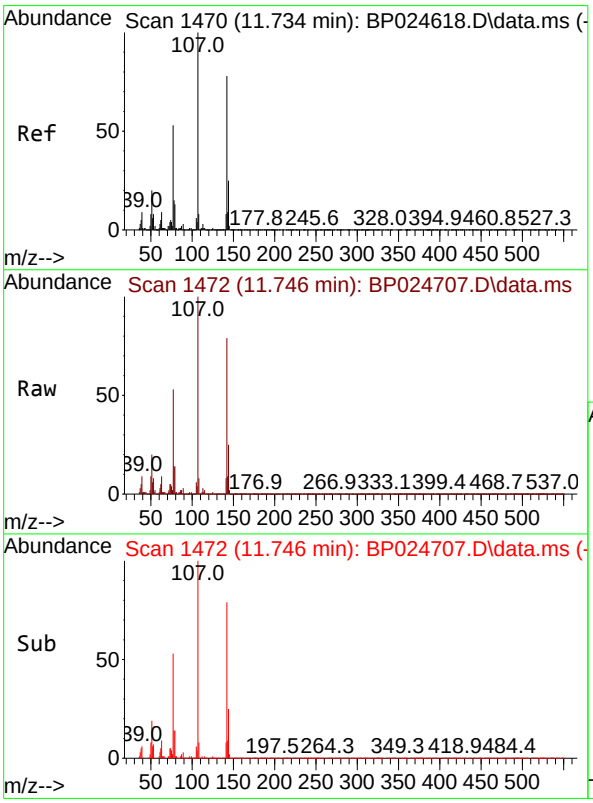

#35
Caprolactam
Concen: 39.652 ng
RT: 11.393 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:113 Resp: 103513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 133.6 | 119.0 | 159.0 |
| 56 | 108.0 | 90.3 | 130.3 |

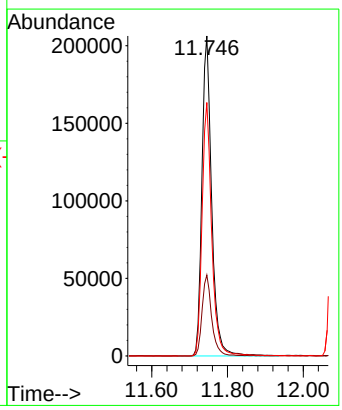


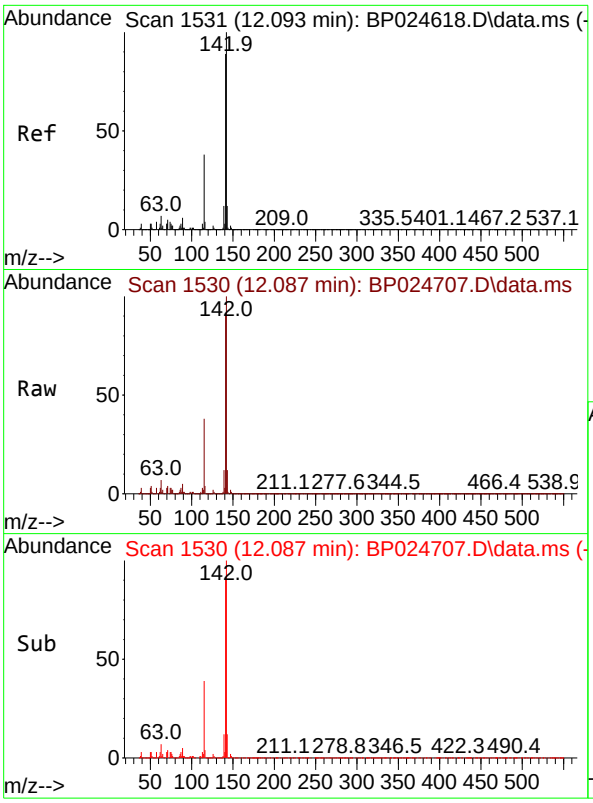




#36
4-Chloro-3-methylphenol
Concen: 41.871 ng
RT: 11.746 min Scan# 1472
Delta R.T. 0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:107 Resp: 368425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.3 | 20.1 | 30.1 |
| 142 | 79.2 | 62.1 | 93.1 |



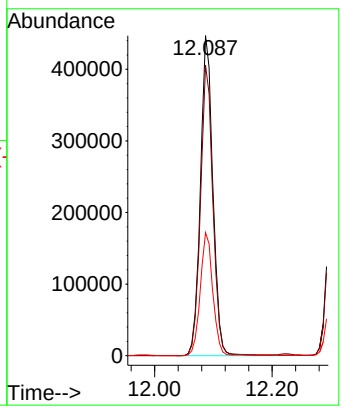


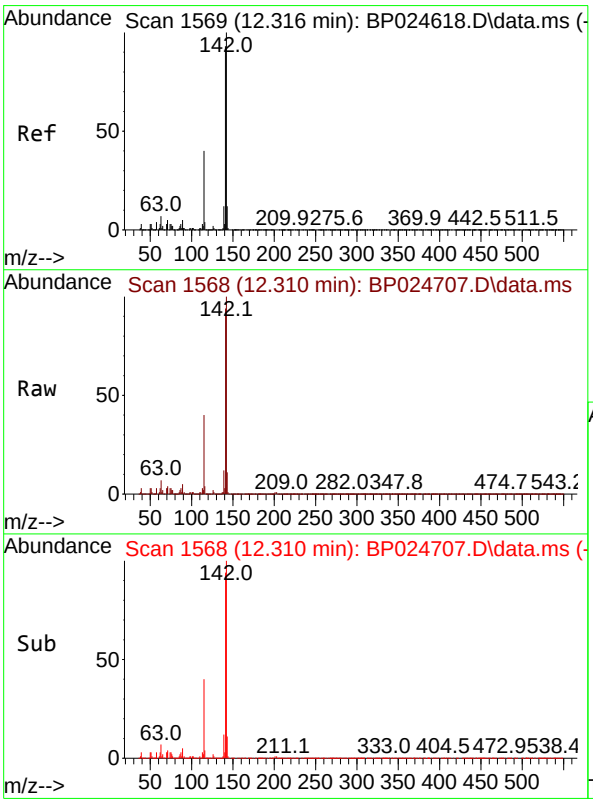

#37
2-Methylnaphthalene
Concen: 39.519 ng
RT: 12.087 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:142 Resp: 656171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.7 | 71.2 | 106.8 |
| 115 | 38.5 | 30.6 | 46.0 |

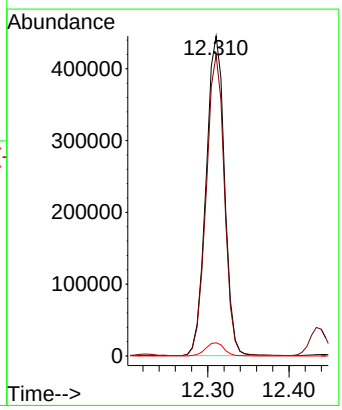


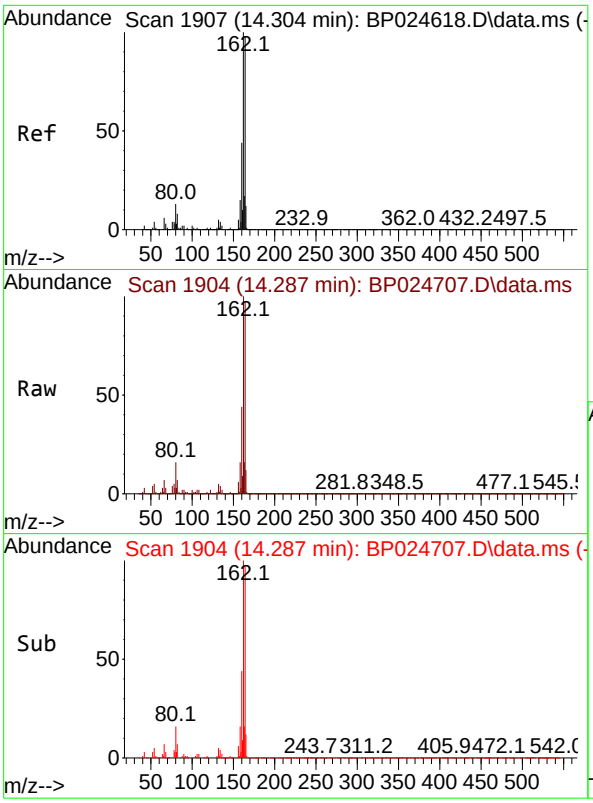




#38
1-Methylnaphthalene
Concen: 39.485 ng
RT: 12.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:142 Resp: 701480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 94.1 | 74.7 | 112.1 |
| 116 | 4.1 | 3.4 | 5.2 |



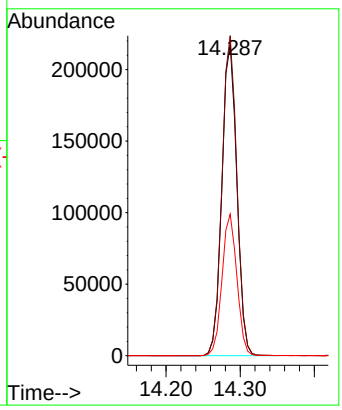


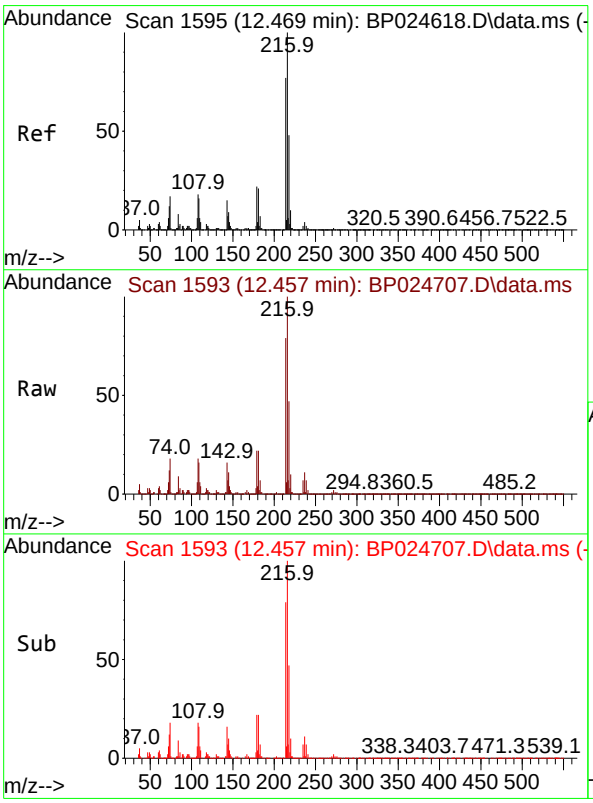

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:164 Resp: 304328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.8 | 81.8 | 122.6 |
| 160 | 45.5 | 36.3 | 54.5 |

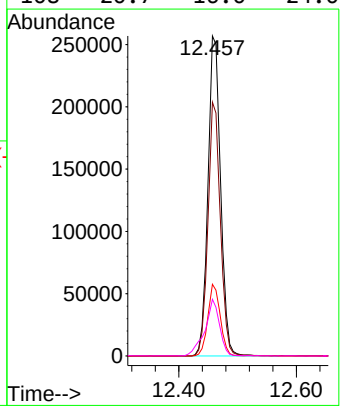


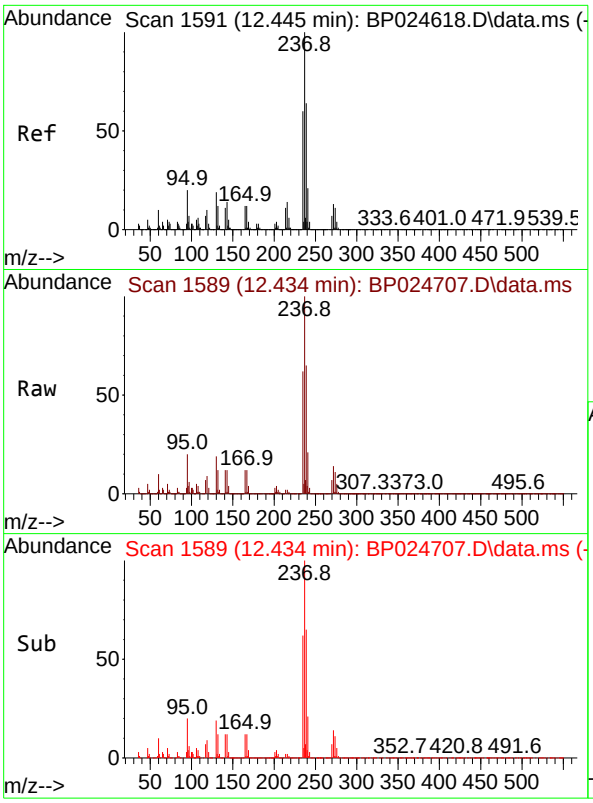




#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.465 ng
RT: 12.457 min Scan# 1593
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:216 Resp: 384111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.0 | 62.3 | 93.5 |
| 179 | 22.1 | 17.7 | 26.5 |
| 108 | 20.7 | 16.0 | 24.0 |



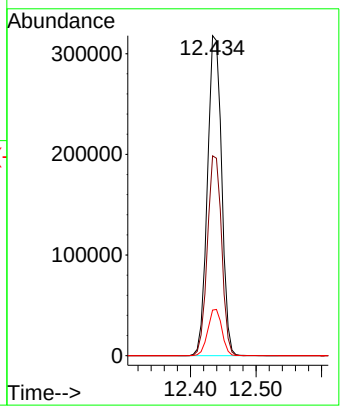


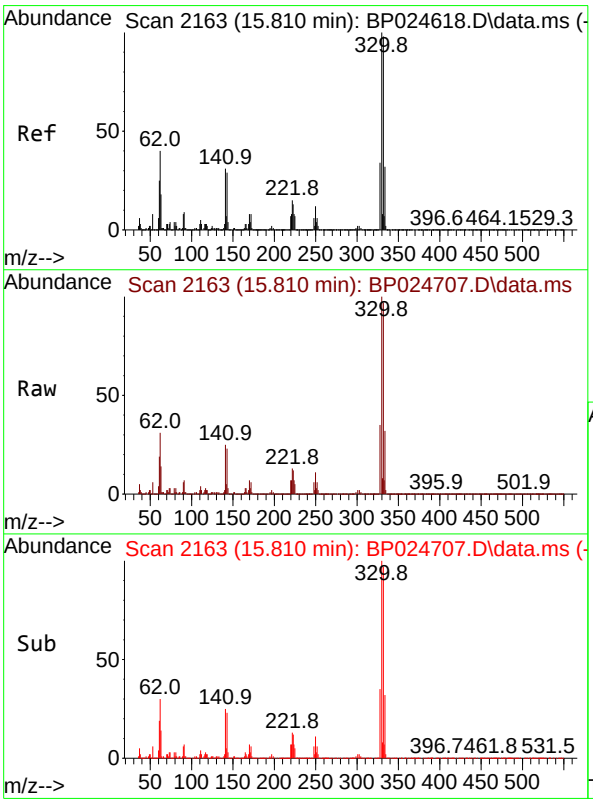

#41
Hexachlorocyclopentadiene
Concen: 89.188 ng
RT: 12.434 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:237 Resp: 477928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.5 | 39.9 | 79.9 |
| 272 | 14.2 | 0.0 | 33.2 |

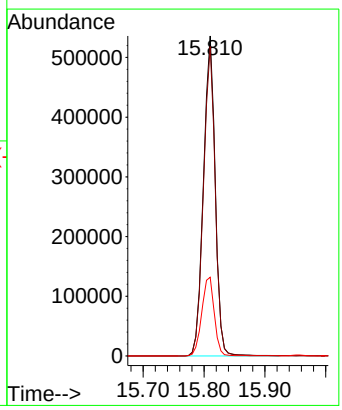


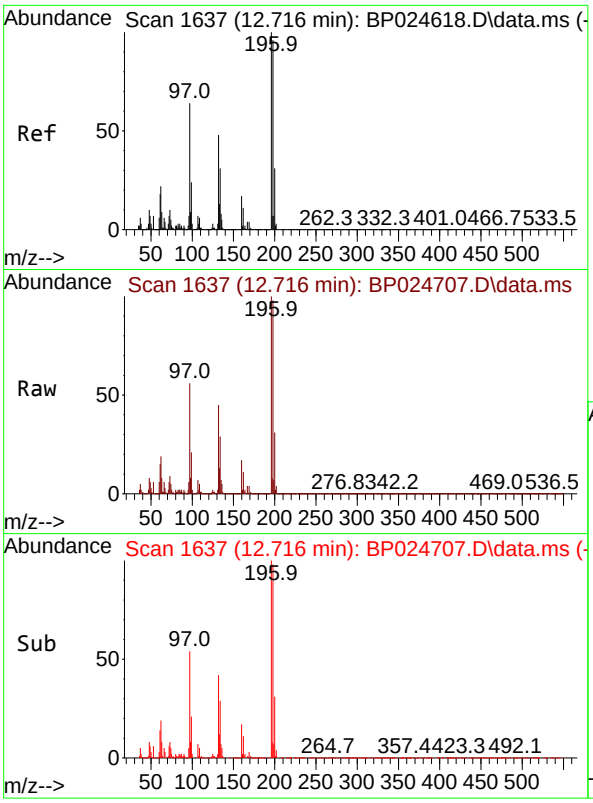




#42
2,4,6-Tribromophenol
Concen: 139.330 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:330 Resp: 718839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.0 | 78.2 | 117.4 |
| 141 | 26.3 | 24.3 | 36.5 |



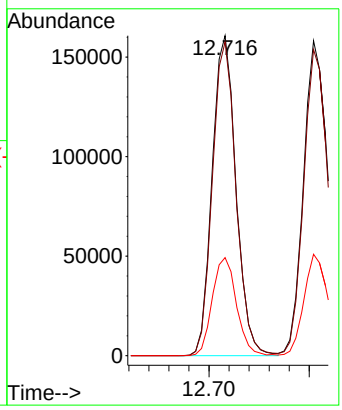


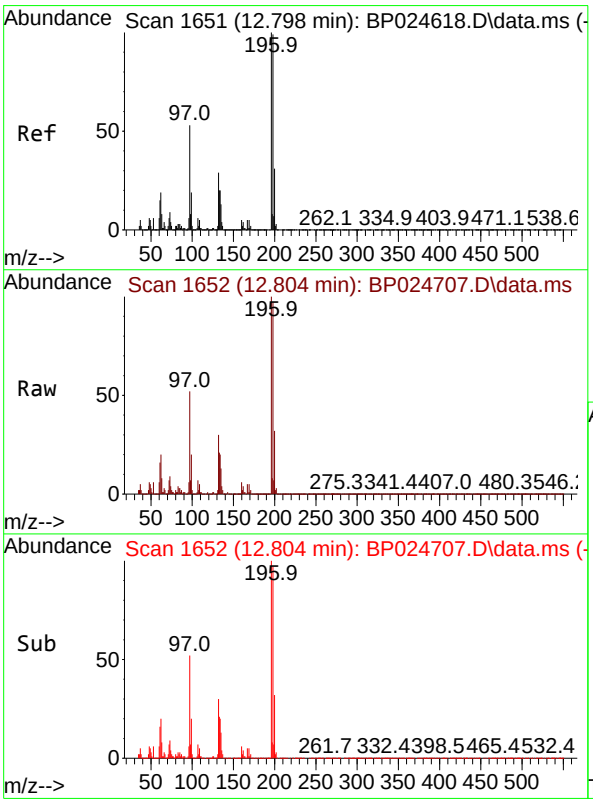

#43
2,4,6-Trichlorophenol
Concen: 46.359 ng
RT: 12.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:196 Resp: 265360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 98.0 | 76.9 | 115.3 |
| 200 | 30.7 | 25.2 | 37.8 |

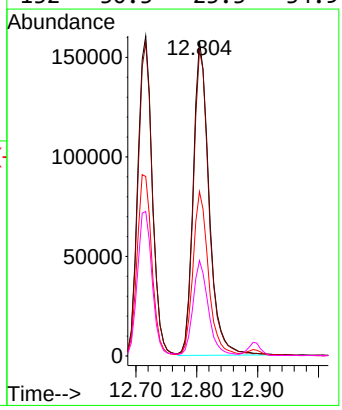


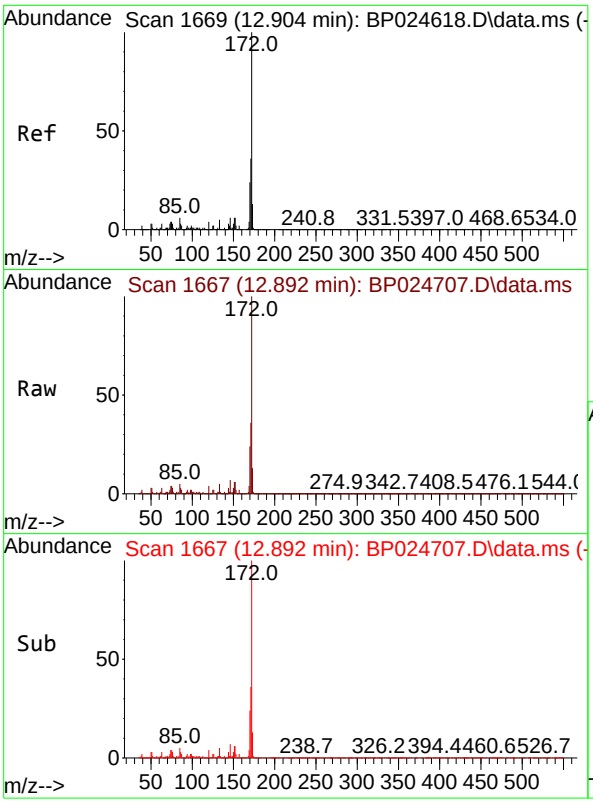




#44
2,4,5-Trichlorophenol
Concen: 44.970 ng
RT: 12.804 min Scan# 1652
Delta R.T. 0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:196 Resp: 286530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 97.2 | 79.2 | 118.8 |
| 97 | 52.2 | 42.3 | 63.5 |
| 132 | 30.3 | 23.3 | 34.9 |



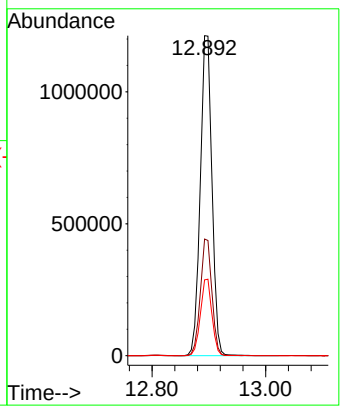


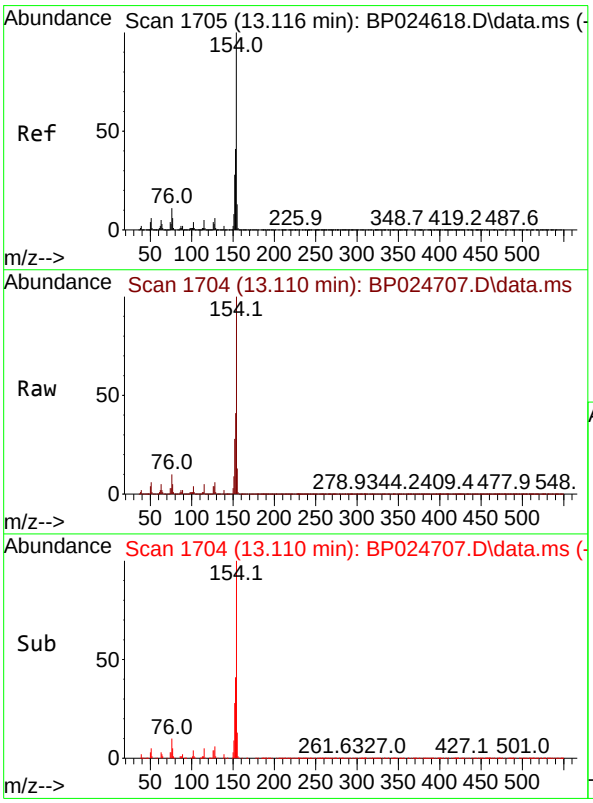

#45
2-Fluorobiphenyl
Concen: 74.489 ng
RT: 12.892 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:172 Resp: 1730298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.5 | 28.8 | 43.2 |
| 170 | 23.7 | 18.8 | 28.2 |

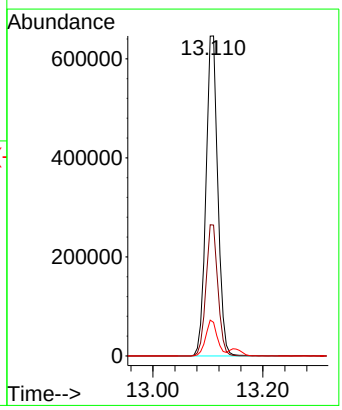


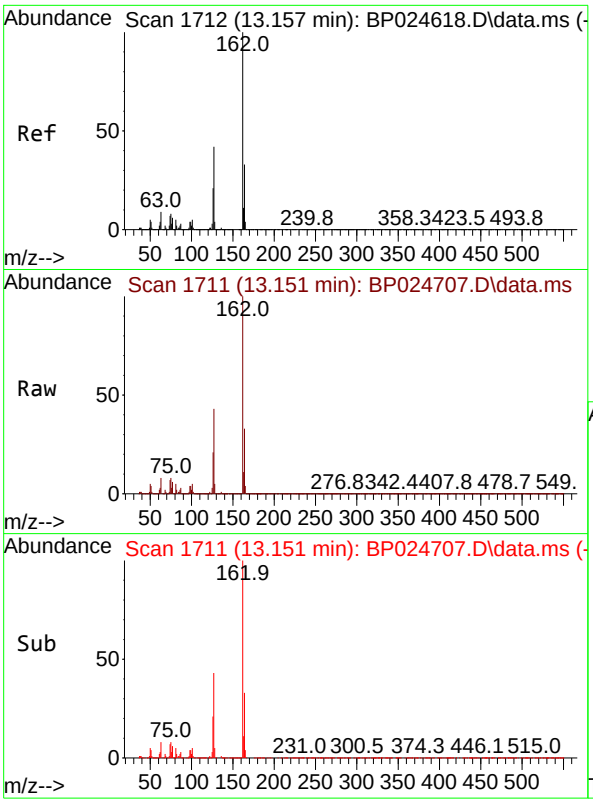




#46
1,1'-Biphenyl
Concen: 42.836 ng
RT: 13.110 min Scan# 1704
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:154 Resp: 963510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.9 | 21.0 | 61.0 |
| 76 | 10.5 | 0.0 | 31.5 |



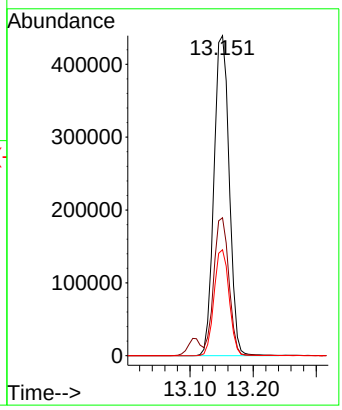


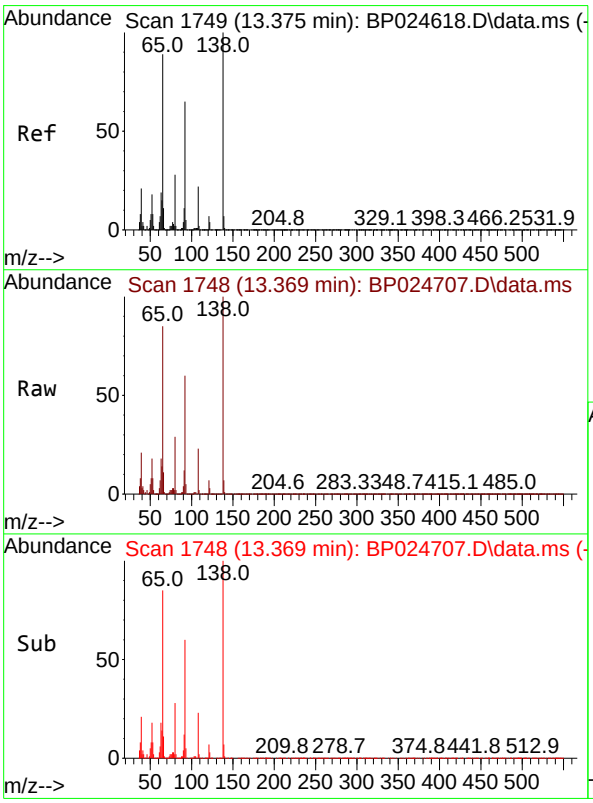

#47
2-Chloronaphthalene
Concen: 42.986 ng
RT: 13.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:162 Resp: 737226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.1 | 33.8 | 50.6 |
| 164 | 33.1 | 26.0 | 39.0 |

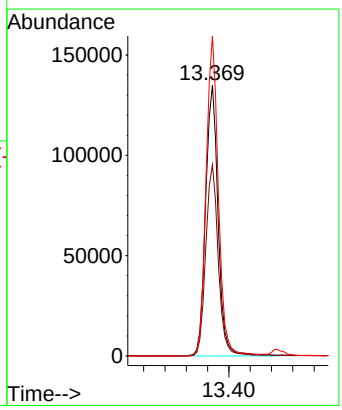


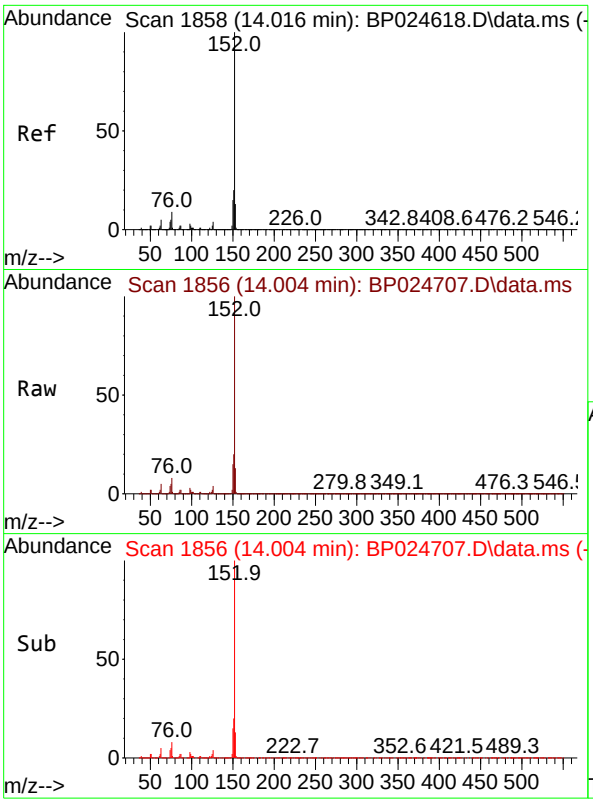




#48
2-Nitroaniline
Concen: 43.261 ng
RT: 13.369 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion: 65 Resp: 219663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 70.6 | 58.7 | 88.1 |
| 138 | 118.1 | 90.2 | 135.2 |



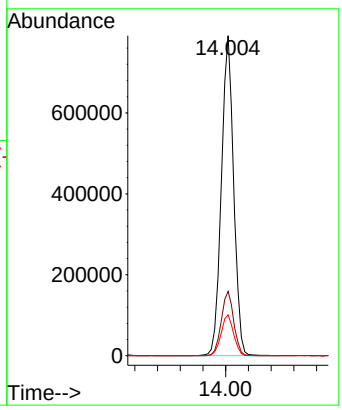


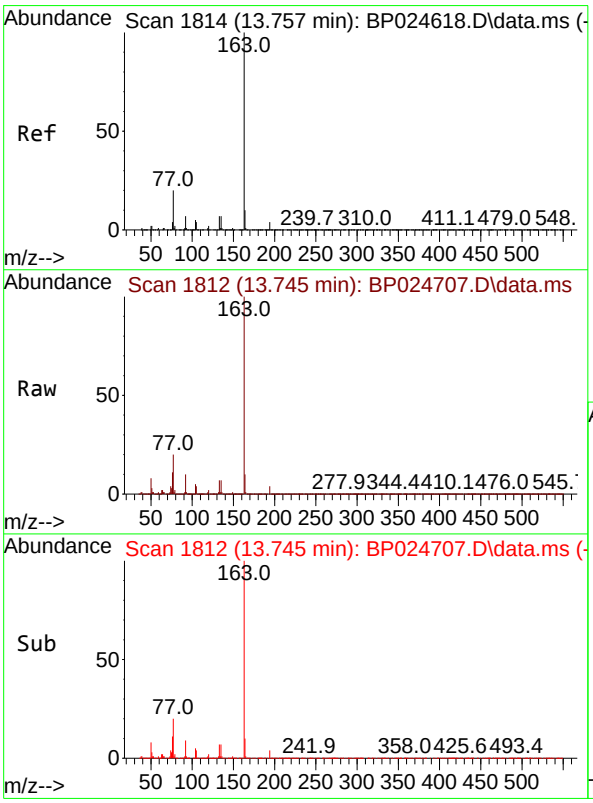

#49
Acenaphthylene
Concen: 41.446 ng
RT: 14.004 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:152 Resp: 1189545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.2 | 24.4 |
| 153 | 12.8 | 10.2 | 15.4 |

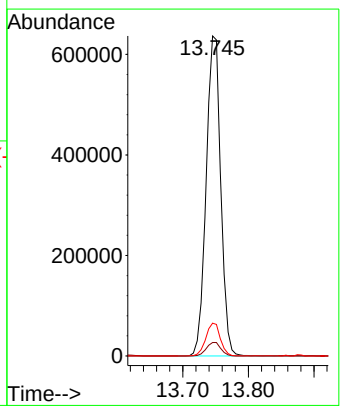


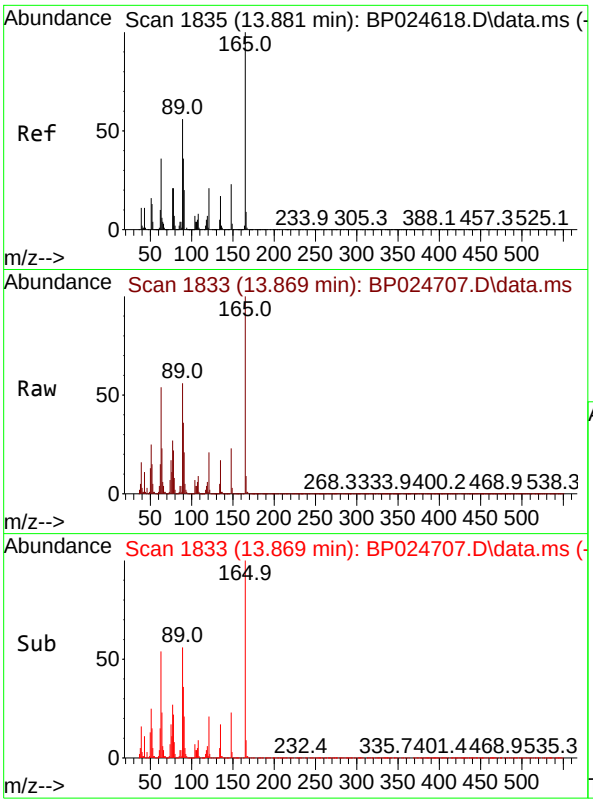




#50
Dimethylphthalate
Concen: 42.421 ng
RT: 13.745 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:163 Resp: 984006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.4 | 5.0 |
| 164 | 10.2 | 8.1 | 12.1 |



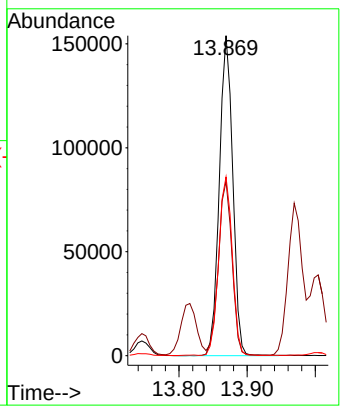


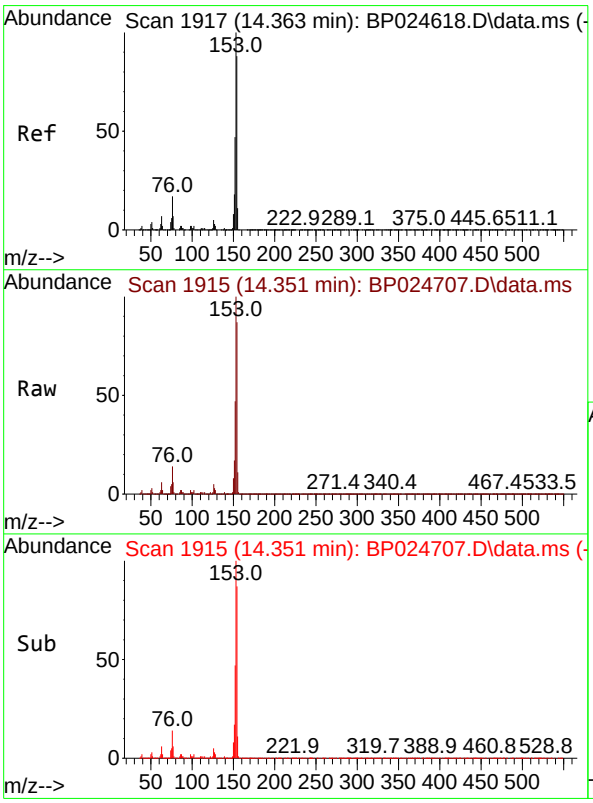

#51
2,6-Dinitrotoluene
Concen: 43.004 ng
RT: 13.869 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:165 Resp: 210670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 54.5 | 42.4 | 63.6 |
| 89 | 55.9 | 44.8 | 67.2 |

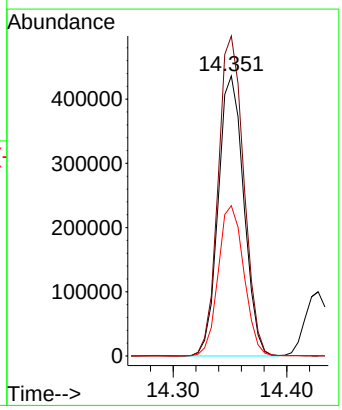


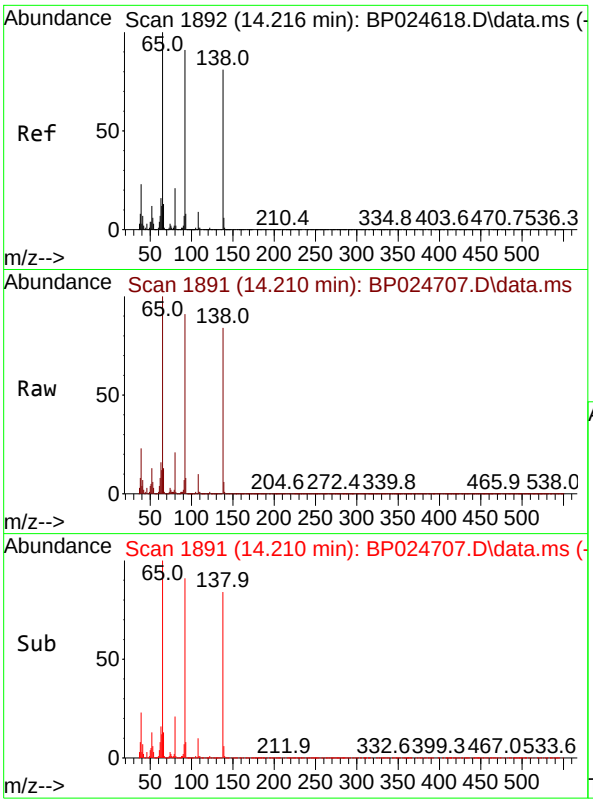




#52
Acenaphthene
Concen: 41.253 ng
RT: 14.351 min Scan# 1915
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:154 Resp: 680659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 114.3 | 91.0 | 136.4 |
| 152 | 53.7 | 42.9 | 64.3 |



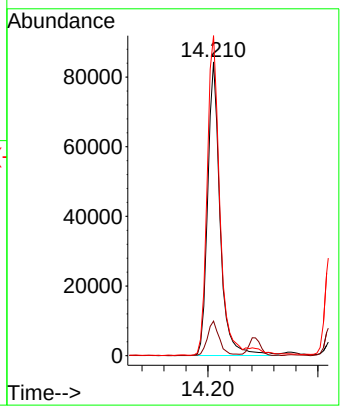


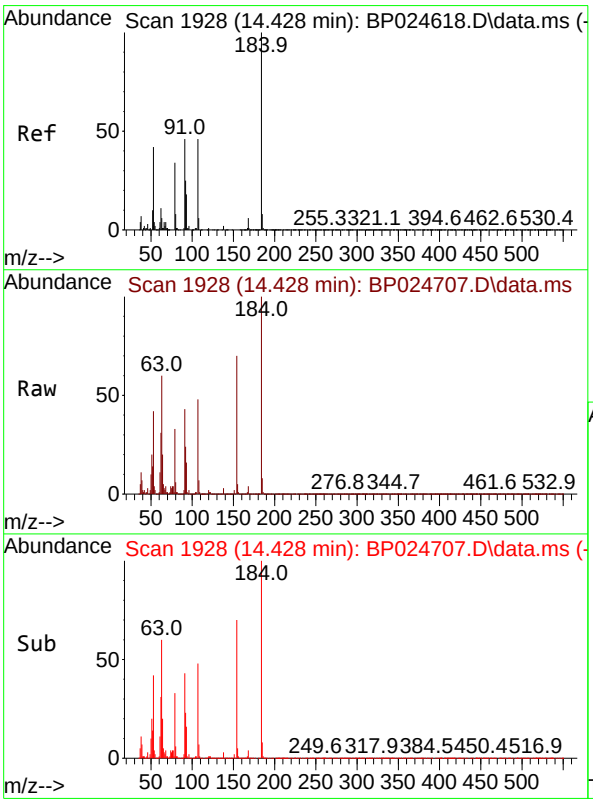

#53
3-Nitroaniline
Concen: 26.342 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:138 Resp: 131765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.8 | 9.0 | 13.4 |
| 92 | 108.9 | 90.1 | 135.1 |

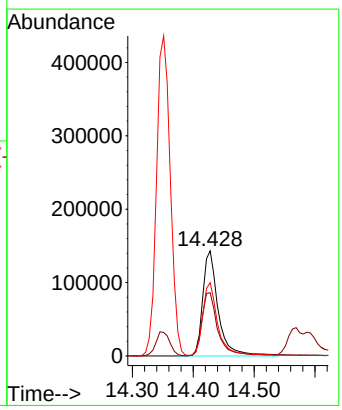


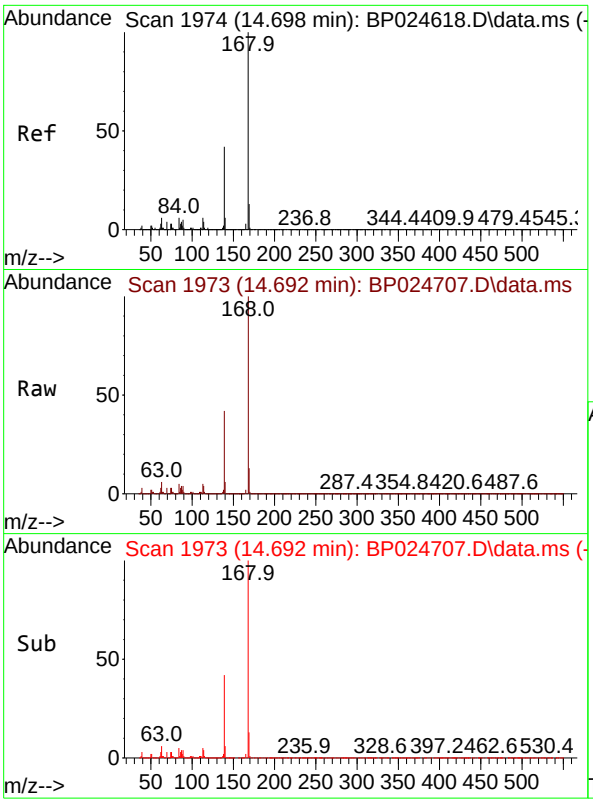




#54
2,4-Dinitrophenol
Concen: 81.567 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:184 Resp: 252393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 60.1 | 51.3 | 76.9 |
| 154 | 69.7 | 53.5 | 80.3 |



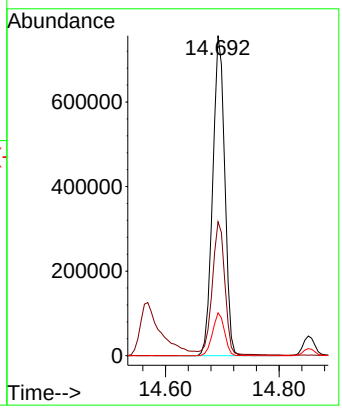


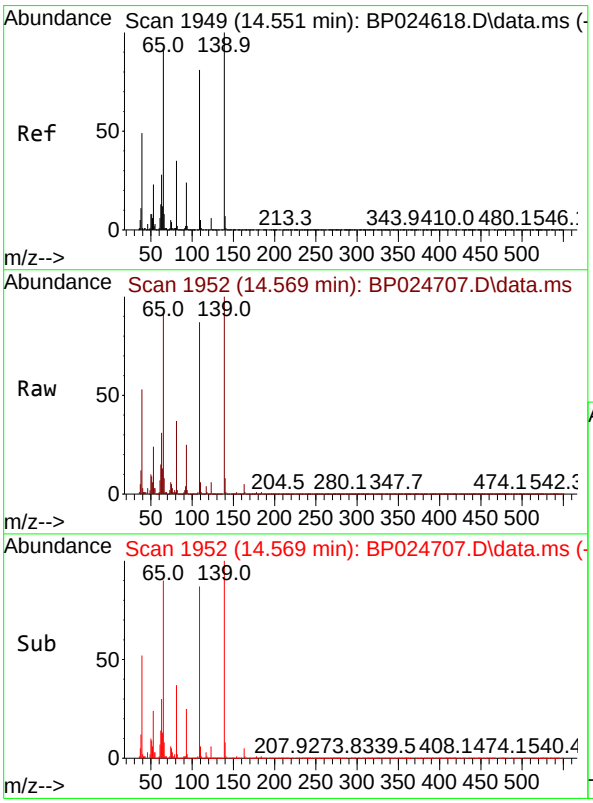

#55
Dibenzofuran
Concen: 42.175 ng
RT: 14.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:168 Resp: 1109951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.9 | 34.2 | 51.4 |
| 169 | 13.4 | 10.8 | 16.2 |

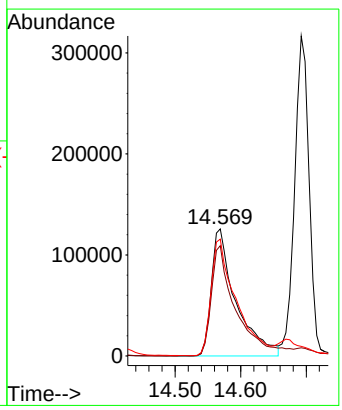


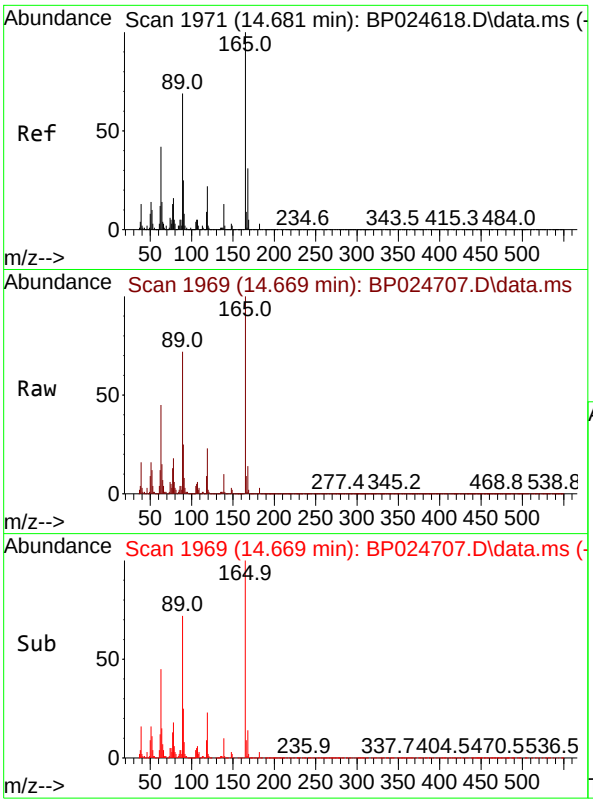




#56
4-Nitrophenol
Concen: 75.469 ng
RT: 14.569 min Scan# 1952
Delta R.T. 0.018 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:139 Resp: 325725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 86.8 | 61.4 | 101.4 |
| 65 | 91.9 | 72.2 | 112.2 |



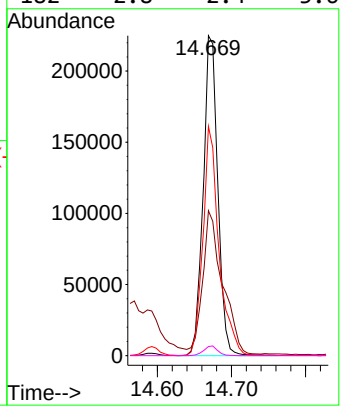


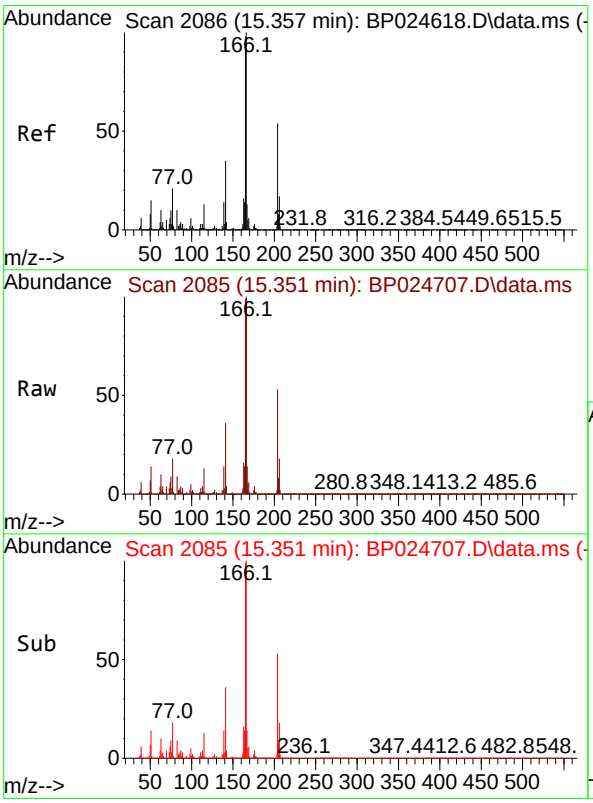

#57
2,4-Dinitrotoluene
Concen: 44.656 ng
RT: 14.669 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:165 Resp: 308420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 45.3 | 33.8 | 50.6 |
| 89 | 71.7 | 55.6 | 83.4 |
| 182 | 2.8 | 2.4 | 3.6 |

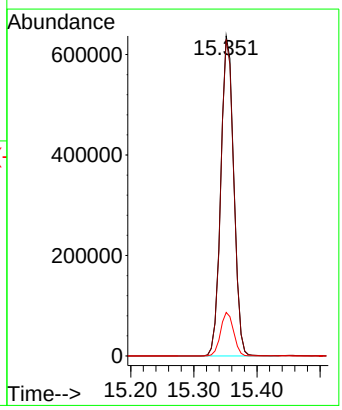


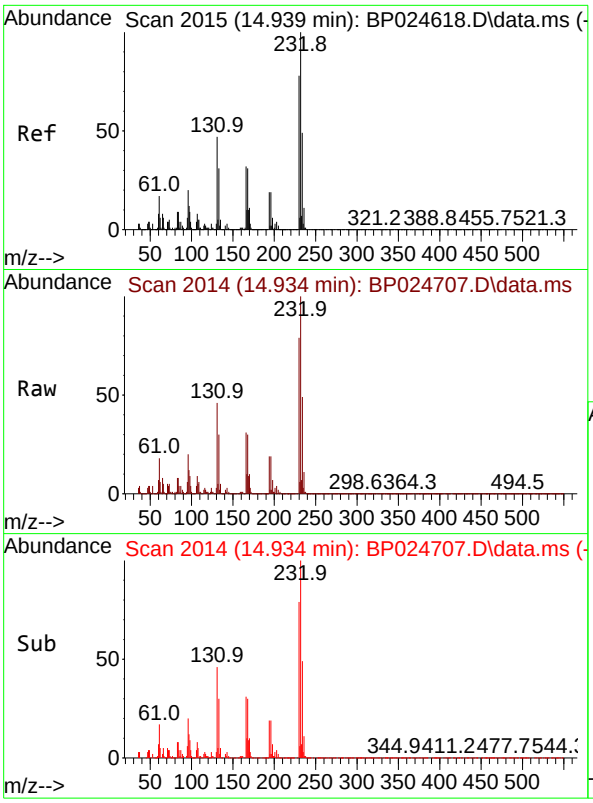




#58
Fluorene
Concen: 42.407 ng
RT: 15.351 min Scan# 2085
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:166 Resp: 910033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.9 | 78.5 | 117.7 |
| 167 | 13.6 | 10.7 | 16.1 |



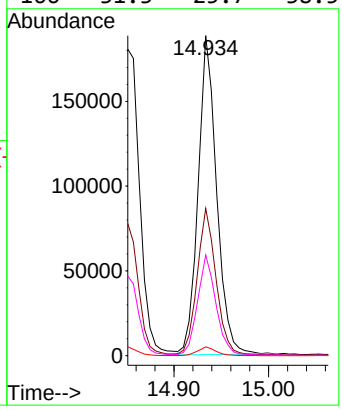


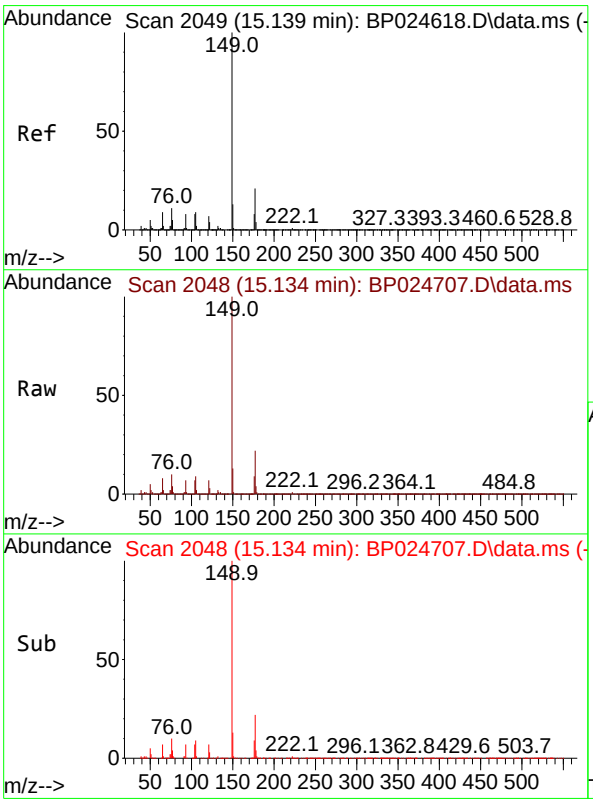

#59
2,3,4,6-Tetrachlorophenol
Concen: 43.340 ng
RT: 14.934 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:232 Resp: 256167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.8 | 39.5 | 59.3 |
| 130 | 2.8 | 2.2 | 3.4 |
| 166 | 31.3 | 25.7 | 38.5 |

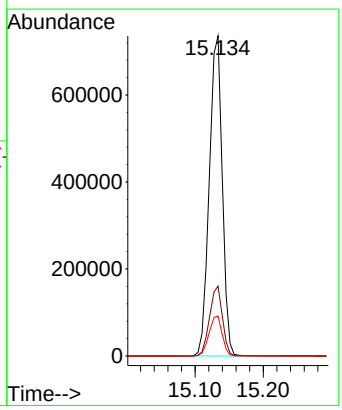


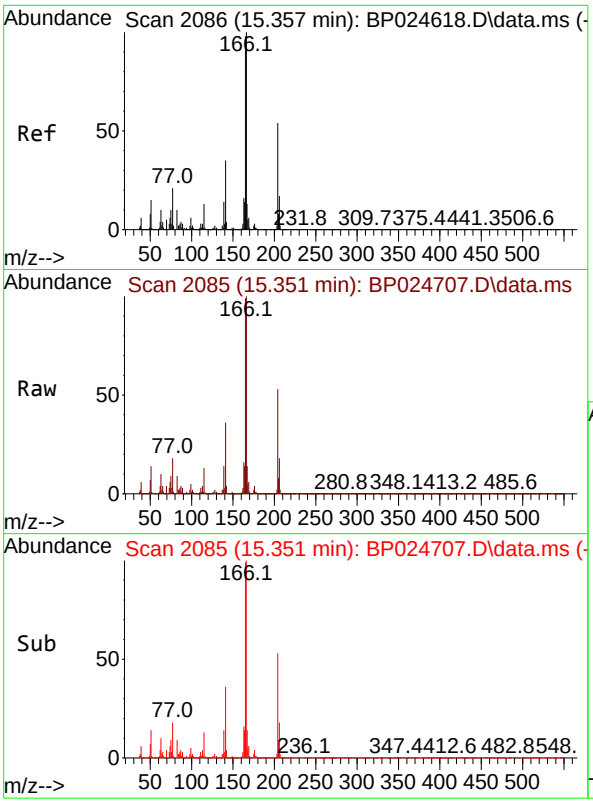




#60
Diethylphthalate
Concen: 41.587 ng
RT: 15.134 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:149 Resp: 974989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.8 | 16.7 | 25.1 |
| 150 | 12.5 | 10.2 | 15.2 |



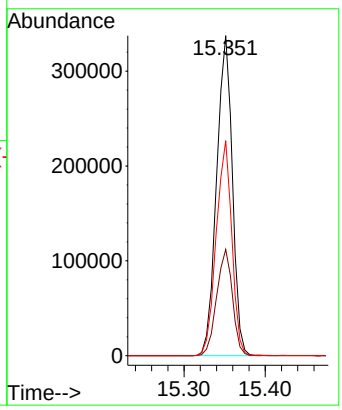


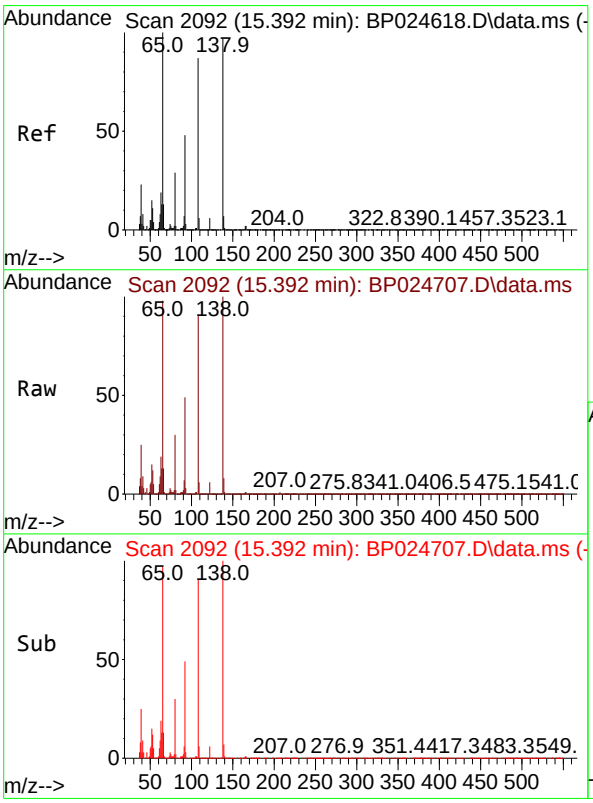

#61
4-Chlorophenyl-phenylether
Concen: 42.541 ng
RT: 15.351 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:204 Resp: 455268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.2 | 26.0 | 39.0 |
| 141 | 67.2 | 52.9 | 79.3 |

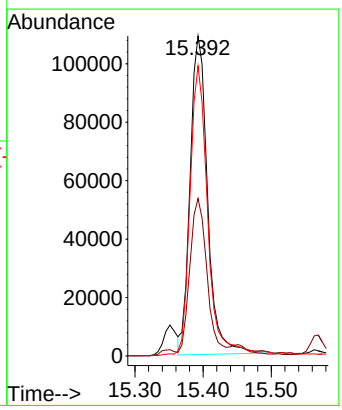


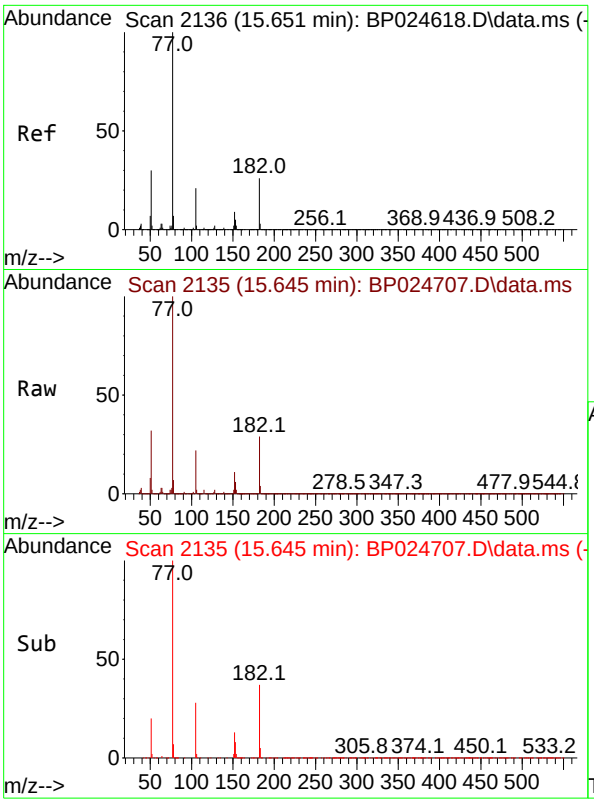




#62
4-Nitroaniline
Concen: 39.994 ng
RT: 15.392 min Scan# 2092
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:138 Resp: 193166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.2 | 29.2 | 69.2 |
| 108 | 90.6 | 69.0 | 109.0 |



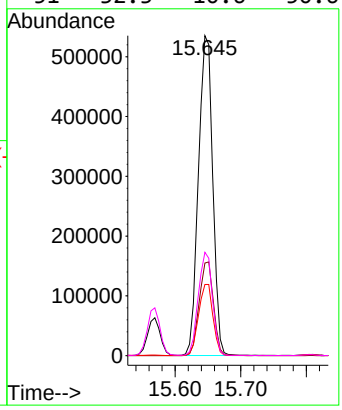


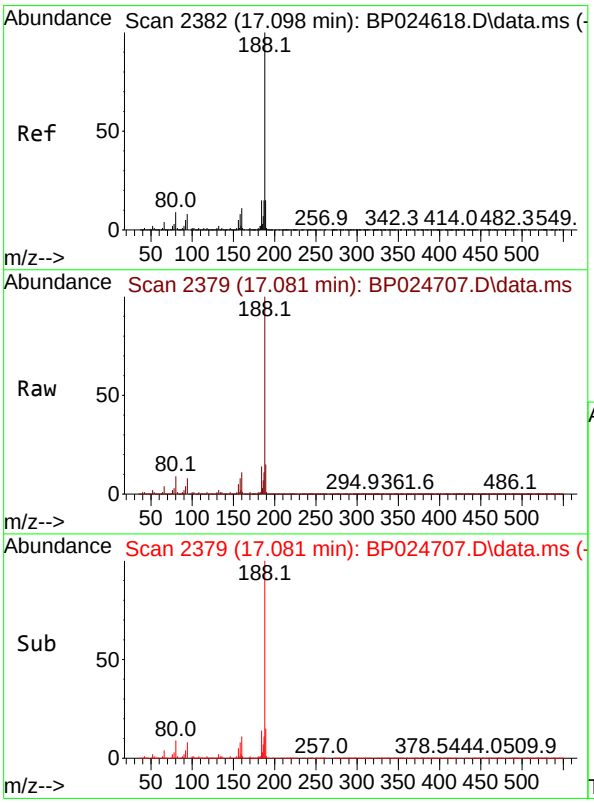

#63
Azobenzene
Concen: 40.590 ng
RT: 15.645 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion: 77 Resp: 814077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 28.9 | 5.7 | 45.7 |
| 105 | 22.3 | 1.3 | 41.3 |
| 51 | 32.3 | 10.6 | 50.6 |

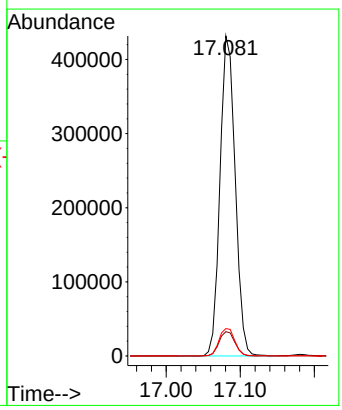


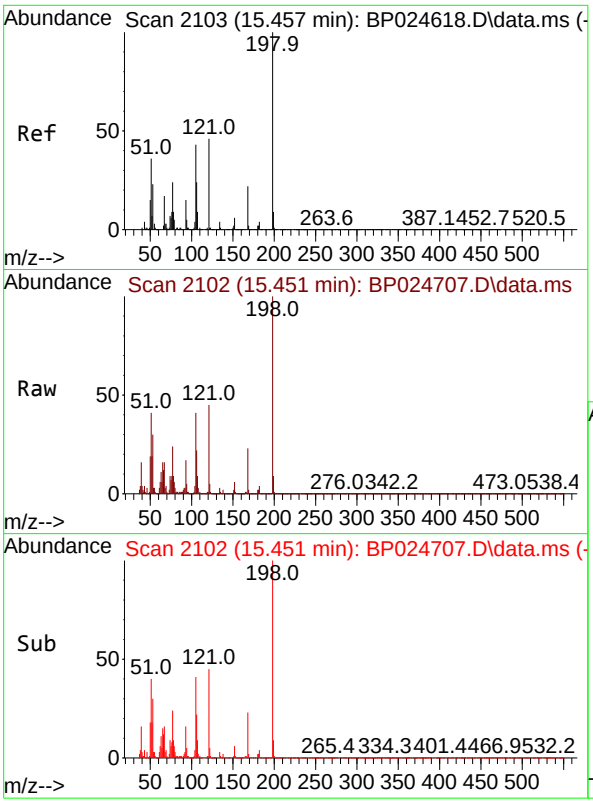




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.081 min Scan# 2379
Delta R.T. -0.018 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:188 Resp: 614284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.6 | 6.5 | 9.7 |
| 80 | 8.5 | 7.3 | 10.9 |



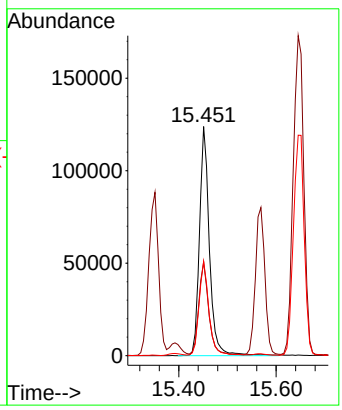


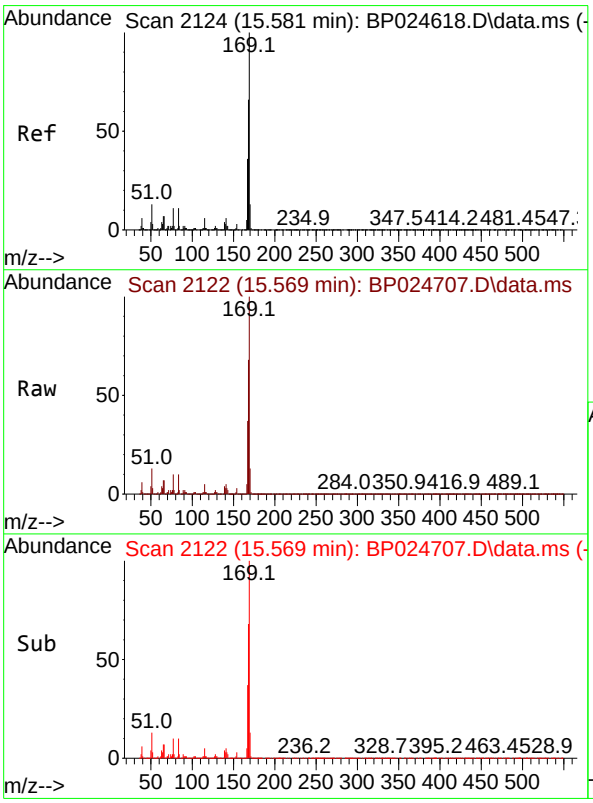

#65
4,6-Dinitro-2-methylphenol
Concen: 44.261 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:198 Resp: 175622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 40.9 | 21.1 | 61.1 |
| 105 | 41.2 | 23.6 | 63.6 |

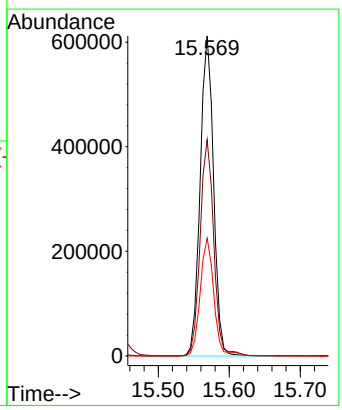


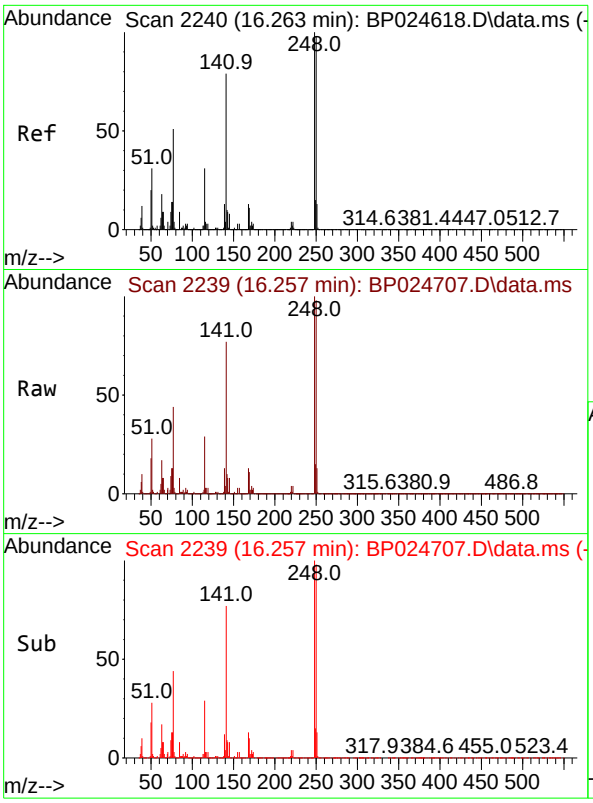




#66
n-Nitrosodiphenylamine
Concen: 42.587 ng
RT: 15.569 min Scan# 2122
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:169 Resp: 803540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.6 | 53.2 | 79.8 |
| 167 | 36.8 | 28.6 | 43.0 |



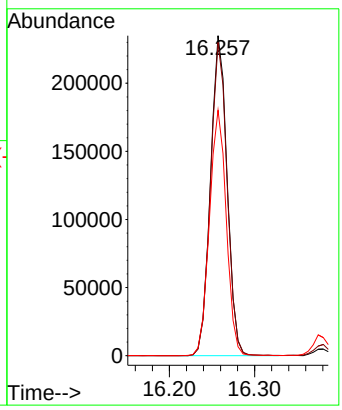


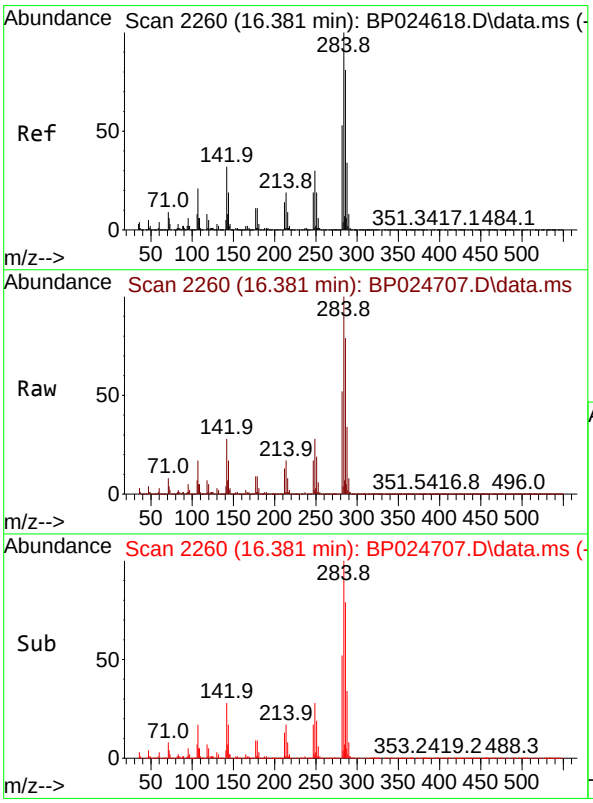

#67
4-Bromophenyl-phenylether
Concen: 44.014 ng
RT: 16.257 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:248 Resp: 318593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.9 | 78.2 | 117.4 |
| 141 | 76.7 | 63.0 | 94.6 |

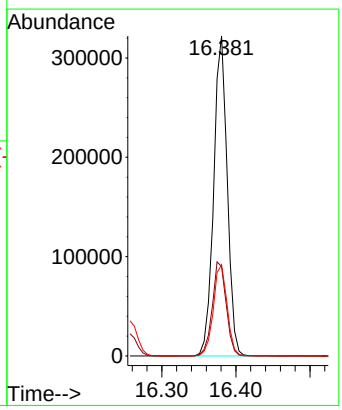


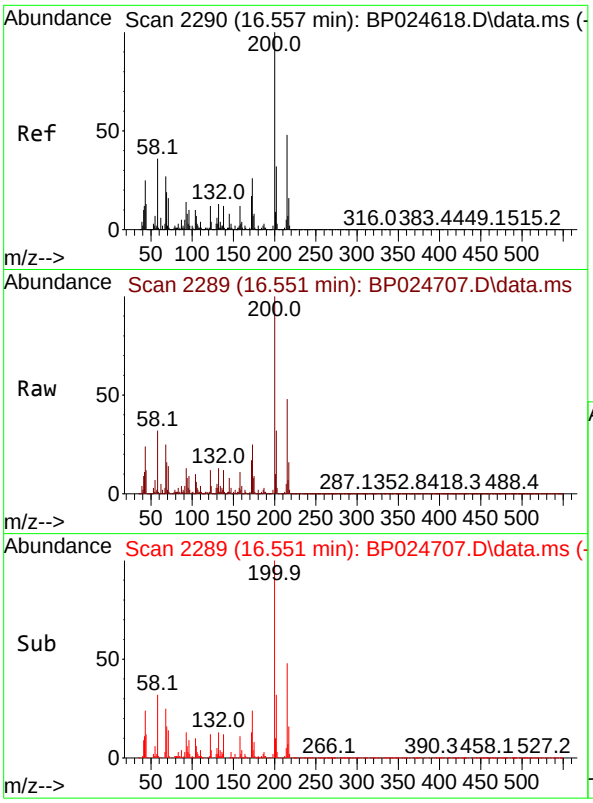




#68
Hexachlorobenzene
Concen: 44.412 ng
RT: 16.381 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:284 Resp: 408492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 27.9 | 25.9 | 38.9 |
| 249 | 28.5 | 24.1 | 36.1 |



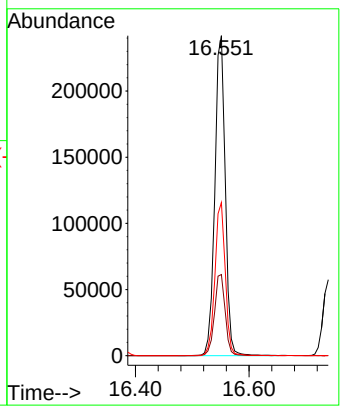


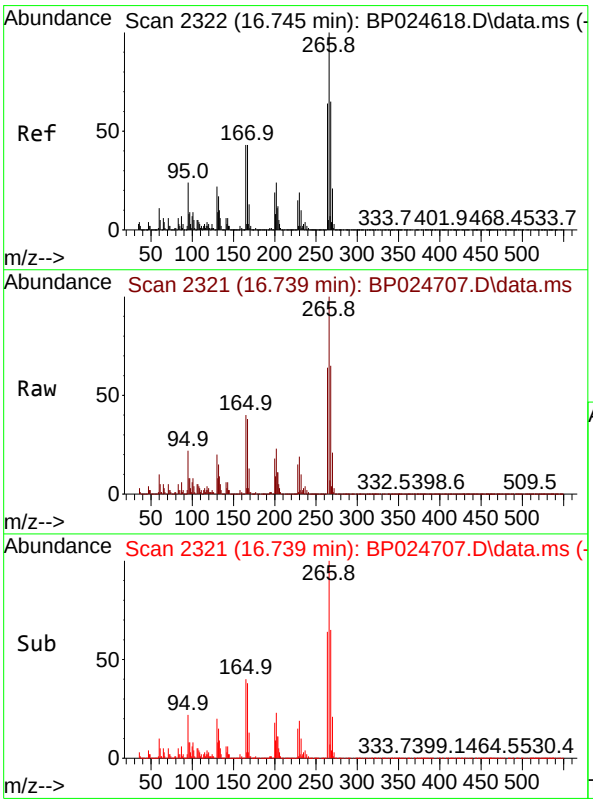

#69
Atrazine
Concen: 44.406 ng
RT: 16.551 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:200 Resp: 307059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.3 | 5.9 | 45.9 |
| 215 | 47.9 | 28.3 | 68.3 |

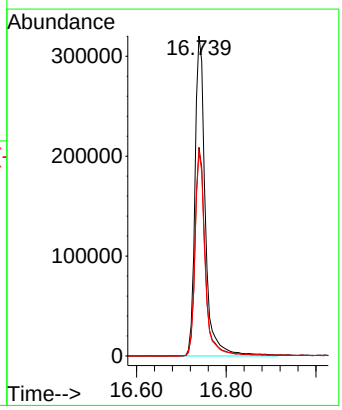


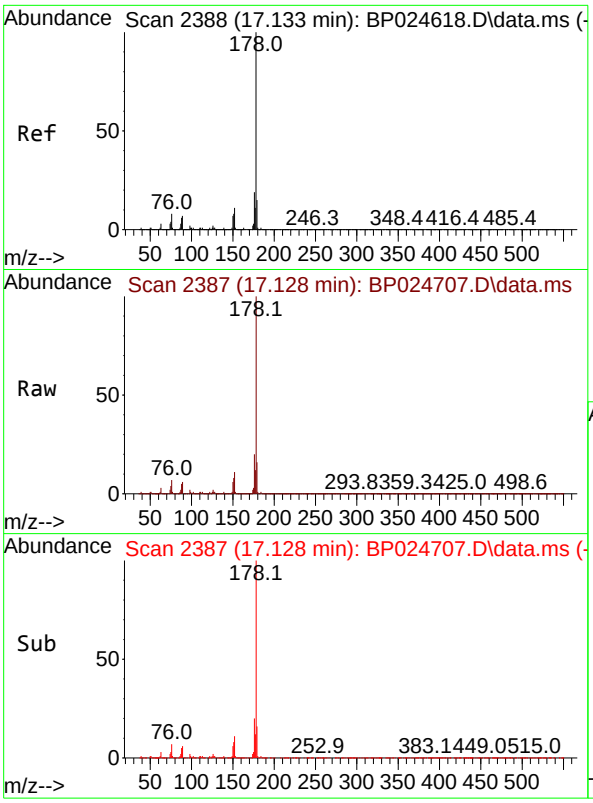




#70
Pentachlorophenol
Concen: 98.822 ng
RT: 16.739 min Scan# 2321
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:266 Resp: 510226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 65.2 | 52.2 | 78.4 |
| 264 | 63.6 | 51.1 | 76.7 |



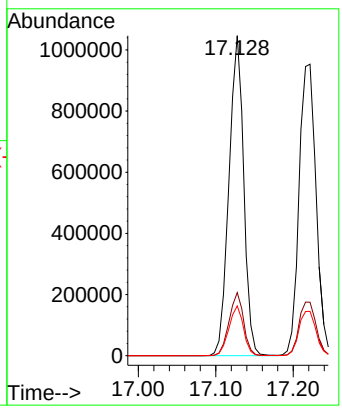


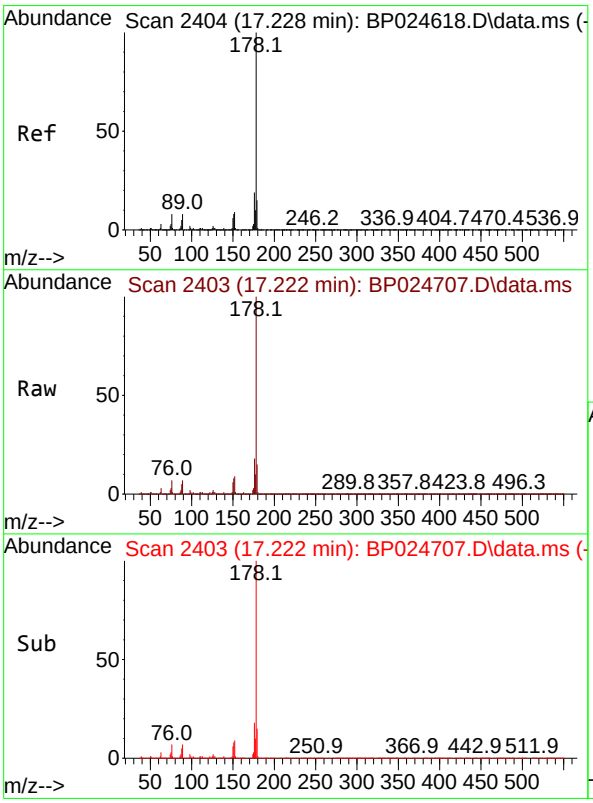

#71
Phenanthrene
Concen: 40.607 ng
RT: 17.128 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:178 Resp: 1386666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.7 | 15.4 | 23.2 |
| 179 | 15.6 | 12.2 | 18.4 |

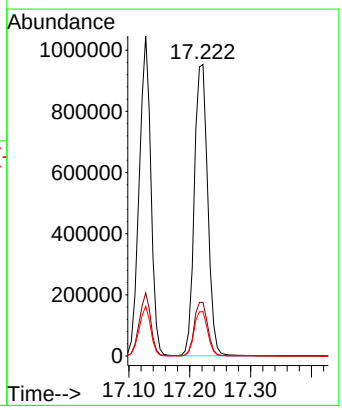


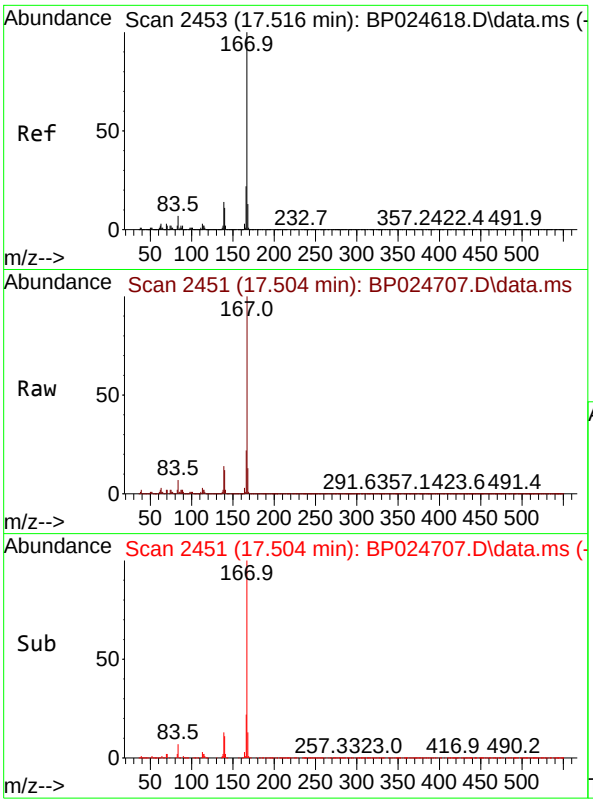




#72
Anthracene
Concen: 42.411 ng
RT: 17.222 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:178 Resp: 1457149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.3 | 15.0 | 22.4 |
| 179 | 15.2 | 12.2 | 18.2 |



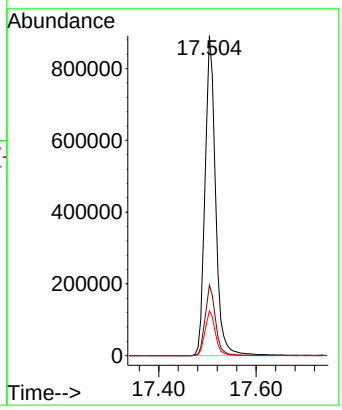


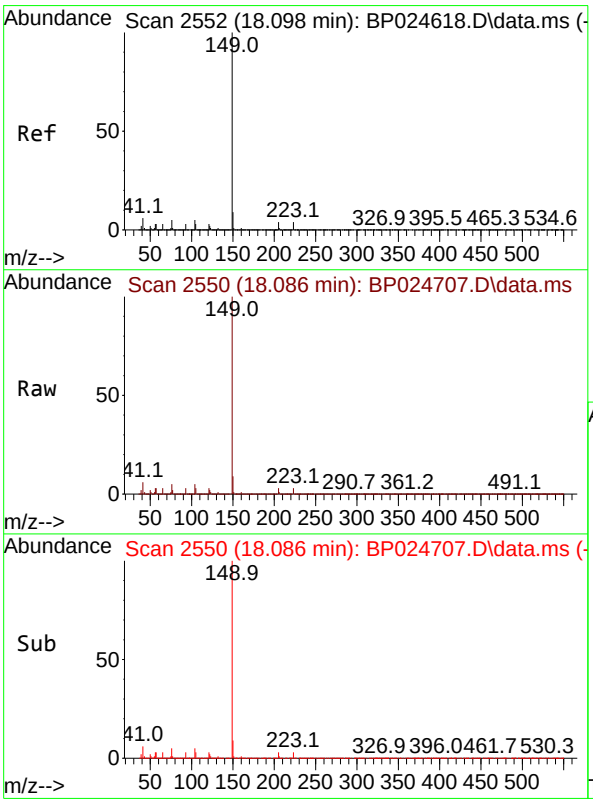

#73
Carbazole
Concen: 42.941 ng
RT: 17.504 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:167 Resp: 1335342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.1 | 17.7 | 26.5 |
| 139 | 14.0 | 11.3 | 16.9 |

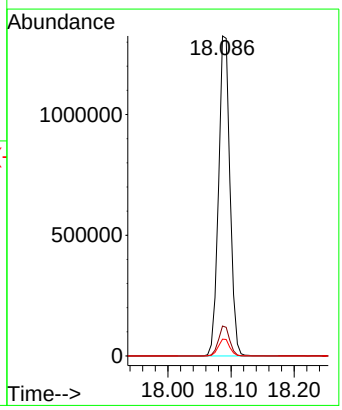


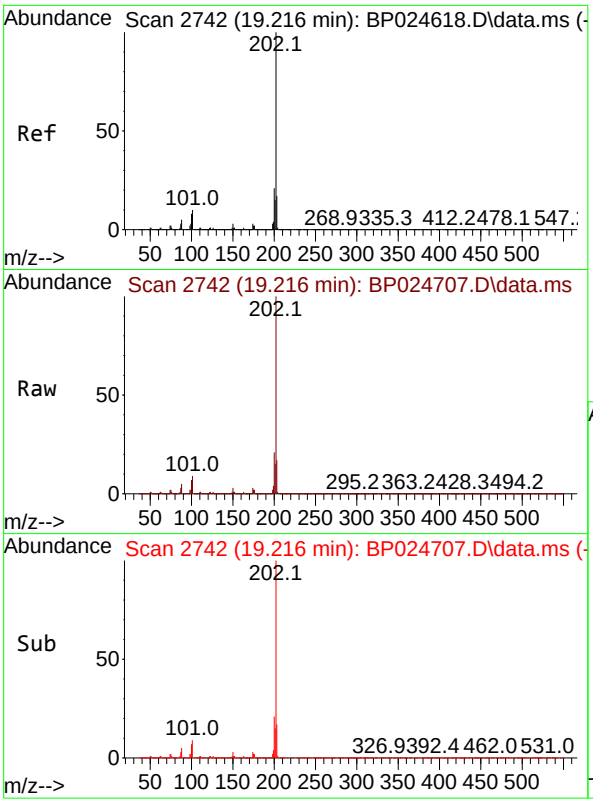




#74
Di-n-butylphthalate
Concen: 41.451 ng
RT: 18.086 min Scan# 2550
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:149 Resp: 1657780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.4 | 7.2 | 10.8 |
| 104 | 5.3 | 4.3 | 6.5 |



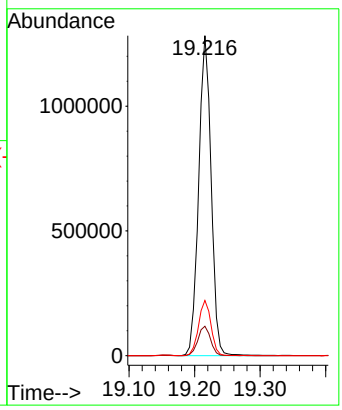


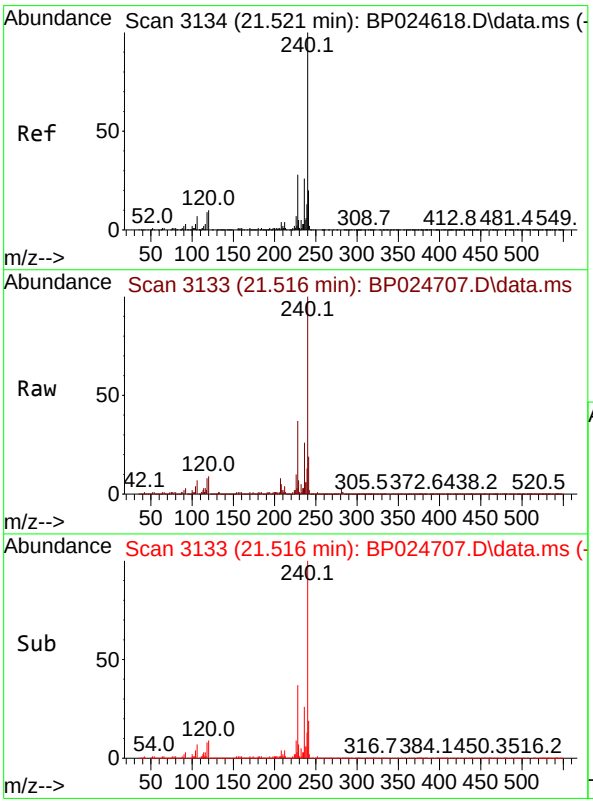

#75
Fluoranthene
Concen: 42.484 ng
RT: 19.216 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:202 Resp: 1695882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.2 | 0.0 | 30.3 |
| 203 | 17.3 | 0.0 | 37.5 |

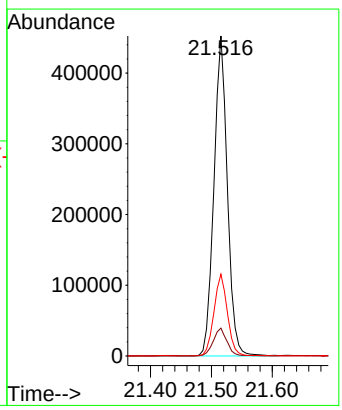


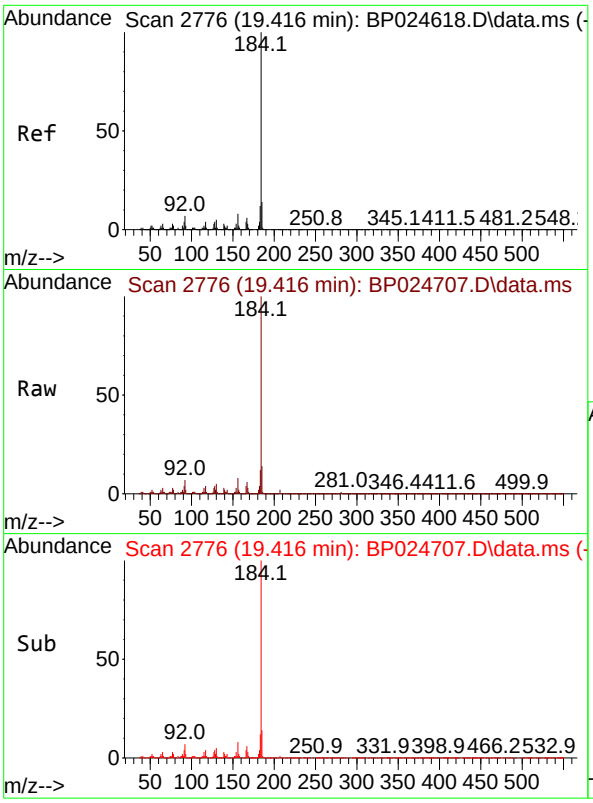




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:240 Resp: 693187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.7 | 7.8 | 11.6 |
| 236 | 25.5 | 20.6 | 31.0 |



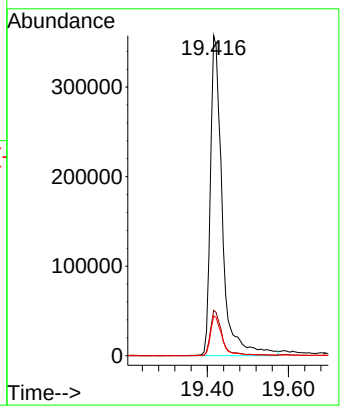


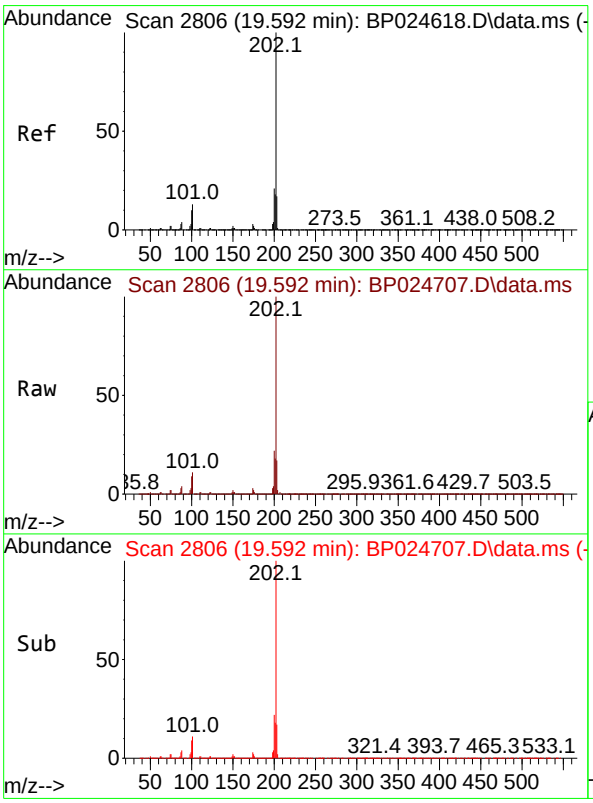

#77
Benzidine
Concen: 38.307 ng
RT: 19.416 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:184 Resp: 723227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.1 | 11.2 | 16.8 |
| 183 | 12.4 | 9.8 | 14.8 |

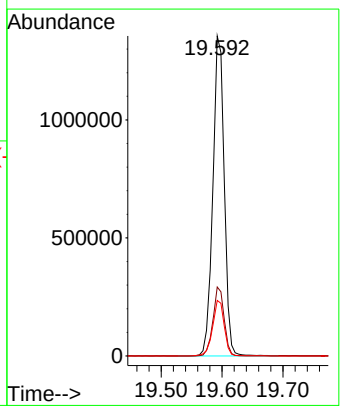


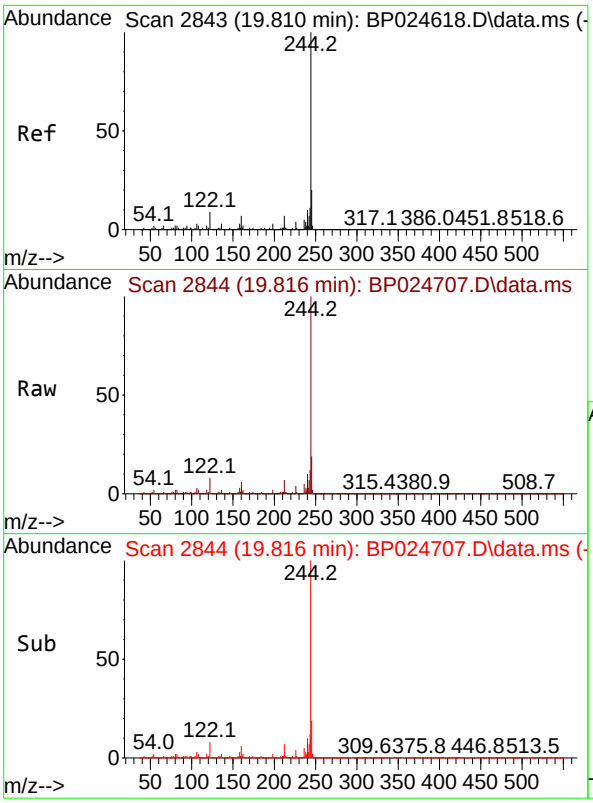




#78
Pyrene
Concen: 42.384 ng
RT: 19.592 min Scan# 2806
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:202 Resp: 1760402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.6 | 16.9 | 25.3 |
| 203 | 17.3 | 13.9 | 20.9 |



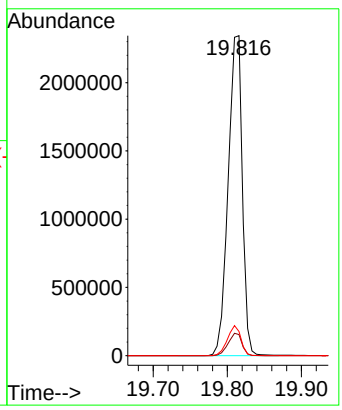


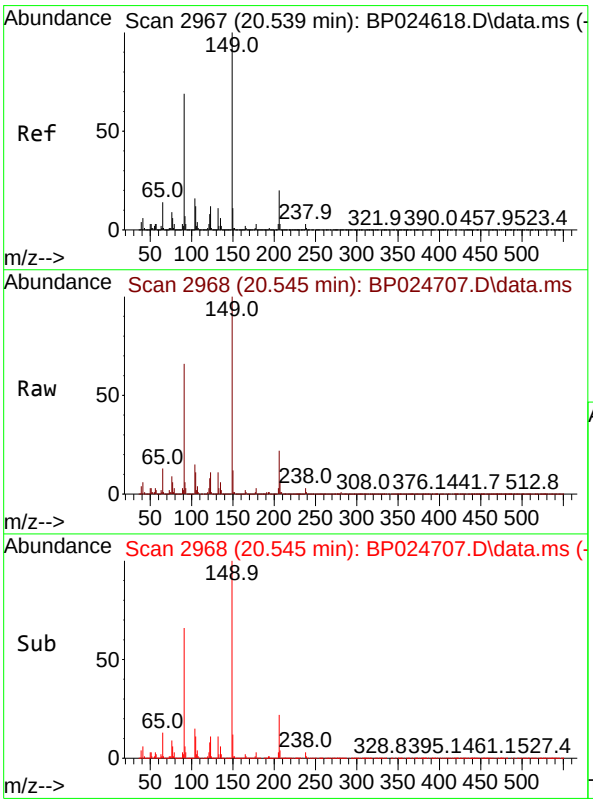

#79
Terphenyl-d14
Concen: 76.855 ng
RT: 19.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:244 Resp: 3106963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 5.5 | 8.3 |
| 122 | 7.6 | 7.4 | 11.0 |

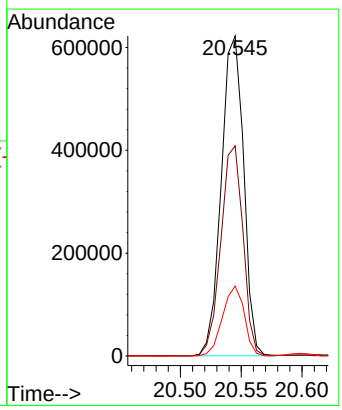


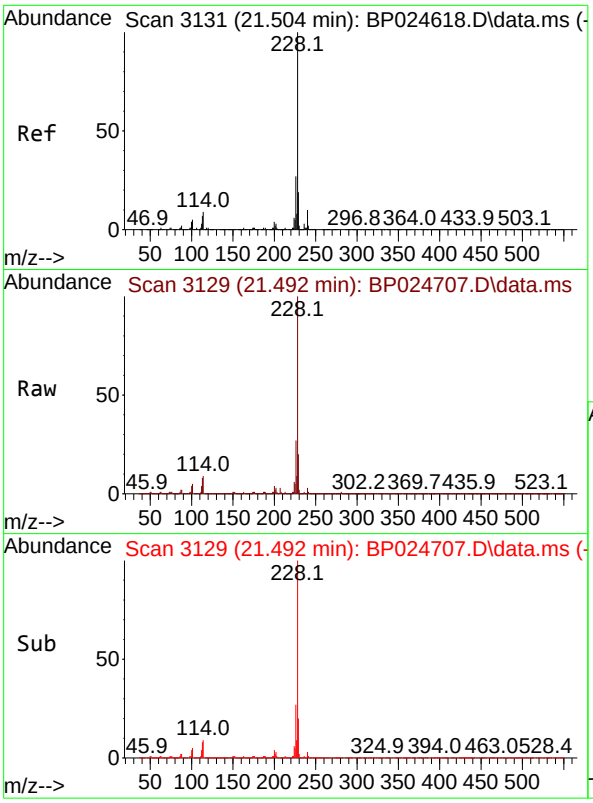




#80
Butylbenzylphthalate
Concen: 43.100 ng
RT: 20.545 min Scan# 2968
Delta R.T. 0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:149 Resp: 796147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 65.7 | 55.4 | 83.0 |
| 206 | 21.8 | 16.2 | 24.2 |



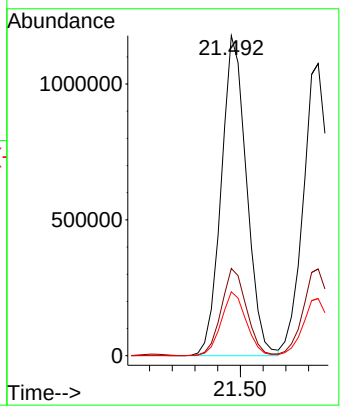


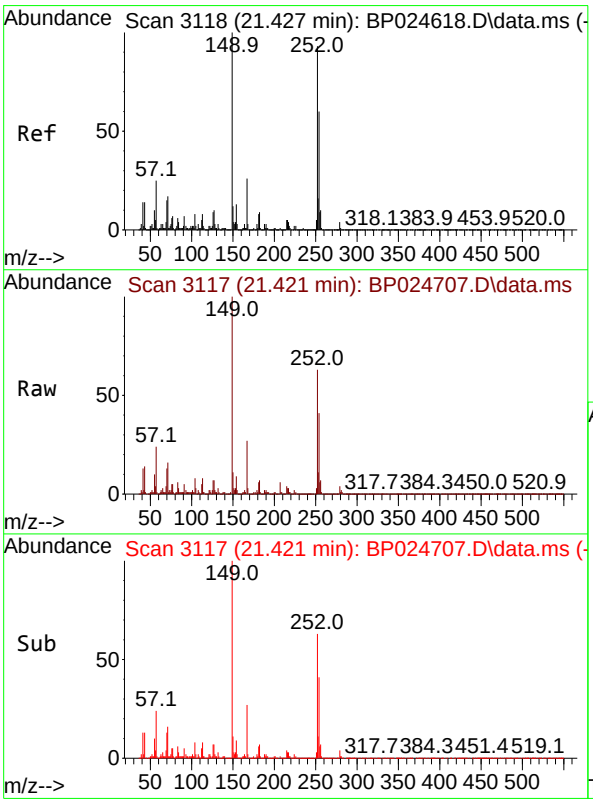

#81
Benzo(a)anthracene
Concen: 41.934 ng
RT: 21.492 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:228 Resp: 1825211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.3 | 21.4 | 32.0 |
| 229 | 20.0 | 15.5 | 23.3 |

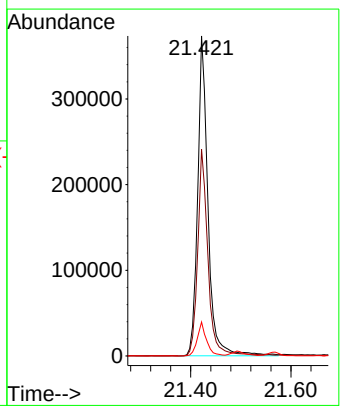


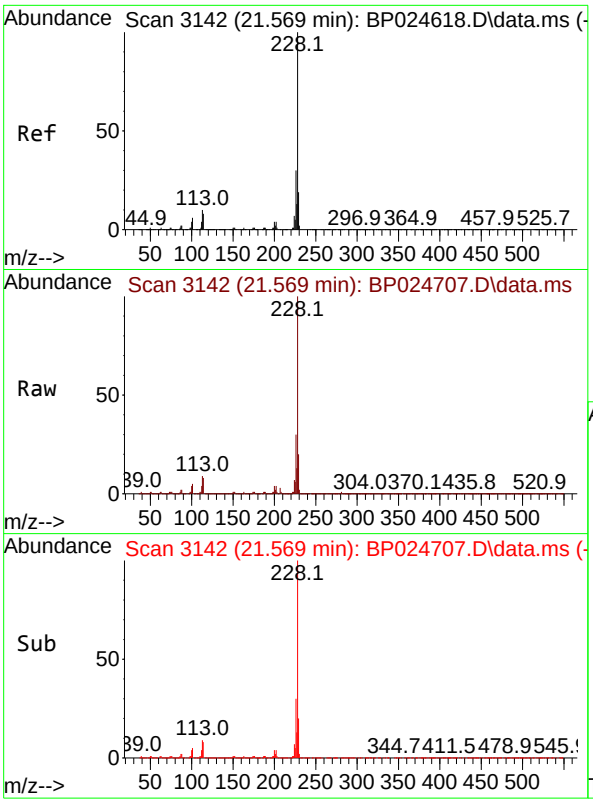




#82
3,3'-Dichlorobenzidine
Concen: 33.013 ng
RT: 21.421 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:252 Resp: 533711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.6 | 51.8 | 77.6 |
| 126 | 10.6 | 7.7 | 11.5 |



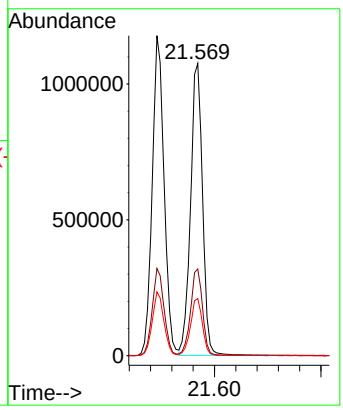


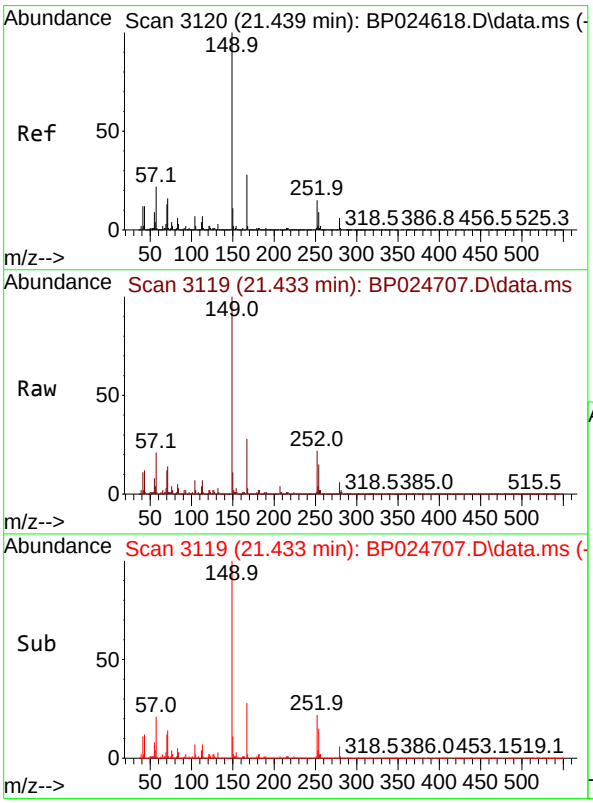

#83
Chrysene
Concen: 40.778 ng
RT: 21.569 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:228 Resp: 1682550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.7 | 23.9 | 35.9 |
| 229 | 19.6 | 15.5 | 23.3 |

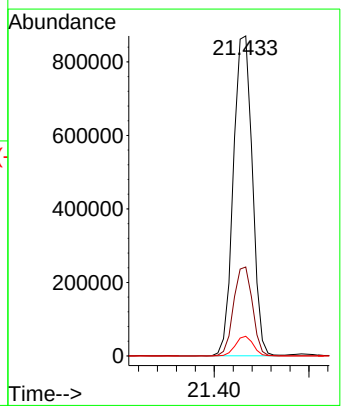


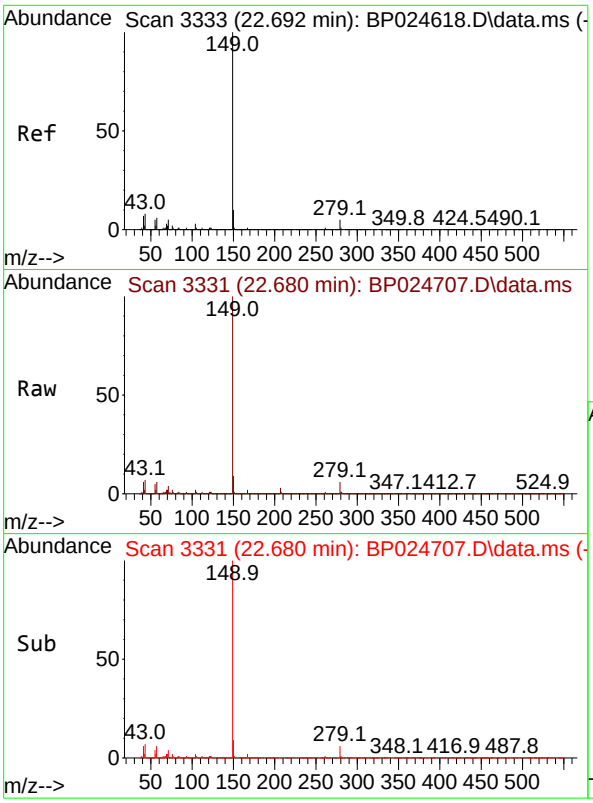




#84
Bis(2-ethylhexyl)phthalate
Concen: 44.315 ng
RT: 21.433 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:149 Resp: 1203178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.8 | 22.1 | 33.1 |
| 279 | 6.2 | 4.6 | 6.8 |



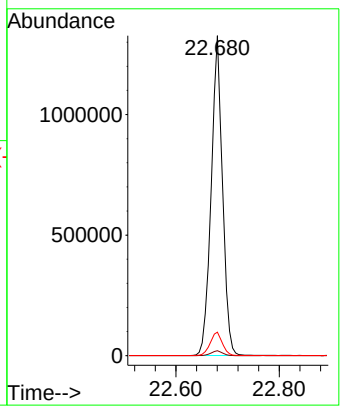


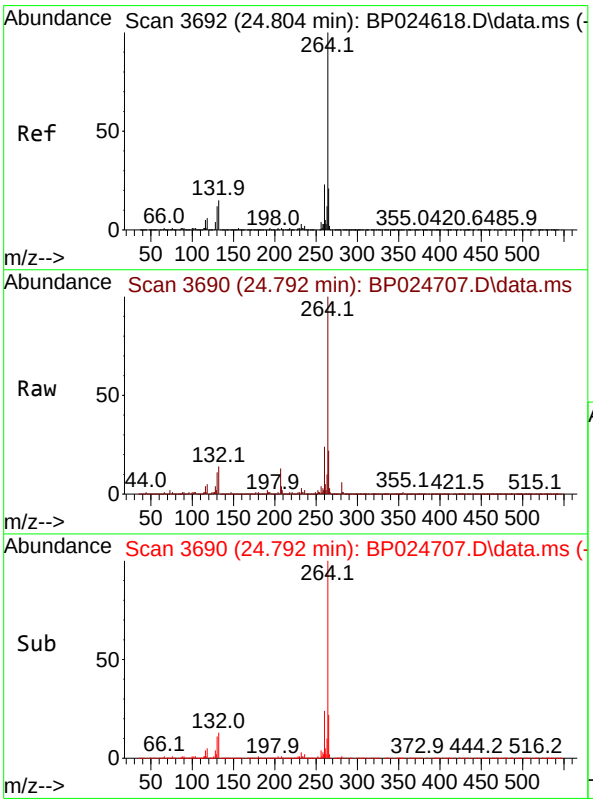

#85
Di-n-octyl phthalate
Concen: 45.433 ng
RT: 22.680 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:149 Resp: 2017155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.2 | 1.8 |
| 43 | 7.8 | 6.3 | 9.5 |

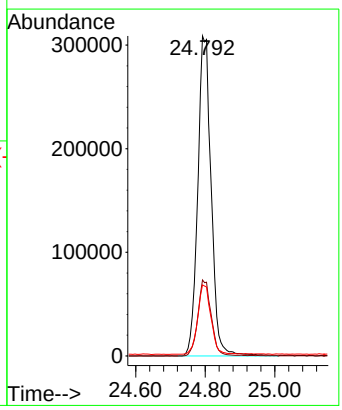


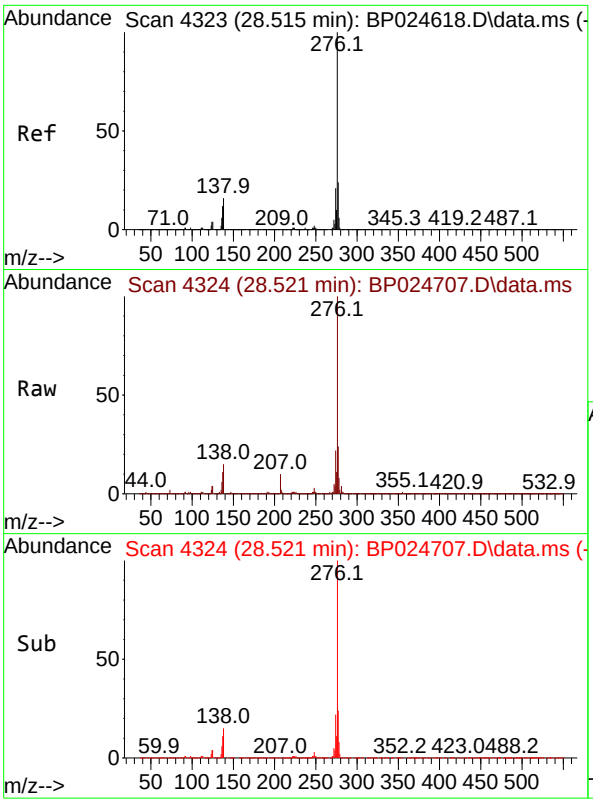




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.792 min Scan# 3690
Delta R.T. -0.012 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:264 Resp: 827509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 18.7 | 28.1 |
| 265 | 22.2 | 17.0 | 25.6 |



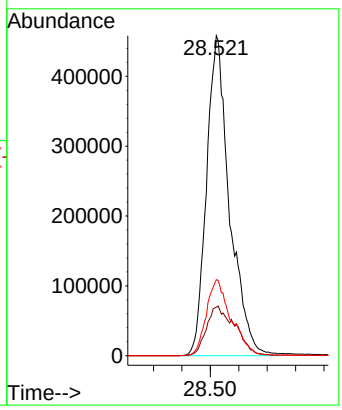


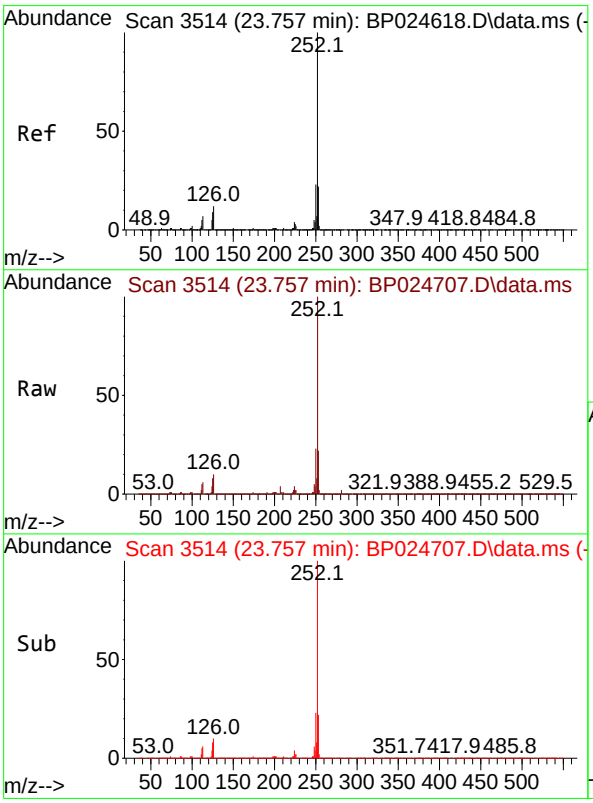

#87
Indeno(1,2,3-cd)pyrene
Concen: 42.681 ng
RT: 28.521 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:276 Resp: 2578470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.3 | 11.2 | 16.8# |
| 277 | 25.6 | 15.7 | 23.5# |

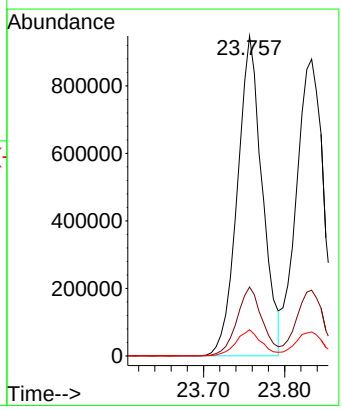


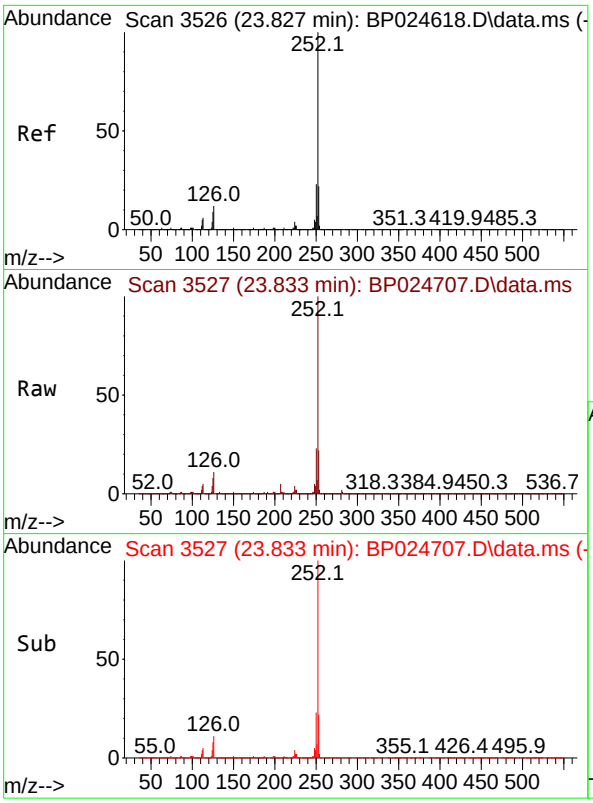




#88
Benzo(b)fluoranthene
Concen: 42.499 ng
RT: 23.757 min Scan# 3514
Delta R.T. -0.000 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:252 Resp: 2012992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.7 | 26.5 |
| 125 | 8.2 | 7.5 | 11.3 |



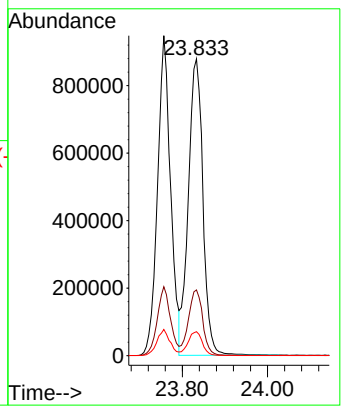


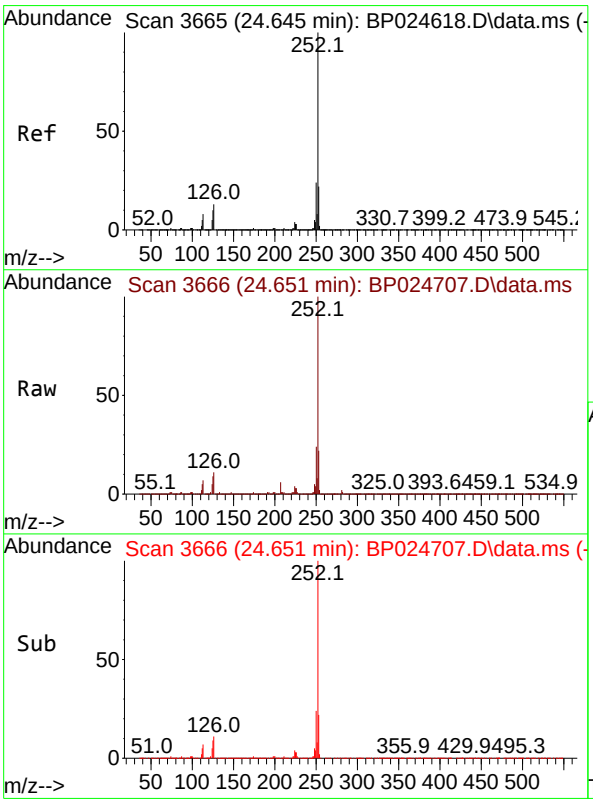

#89
Benzo(k)fluoranthene
Concen: 42.726 ng
RT: 23.833 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:252 Resp: 2085330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.6 | 26.4 |
| 125 | 8.1 | 7.0 | 10.4 |

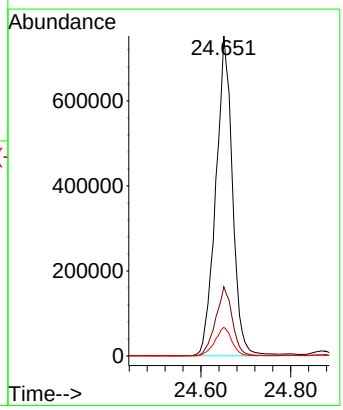


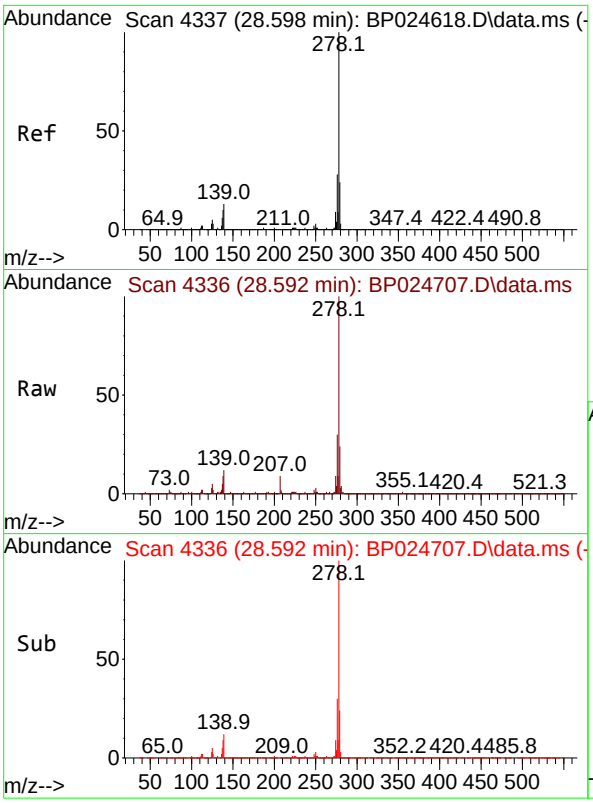




#90
Benzo(a)pyrene
Concen: 42.598 ng
RT: 24.651 min Scan# 3666
Delta R.T. 0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:252 Resp: 1937802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.7 | 26.5 |
| 125 | 9.0 | 8.1 | 12.1 |



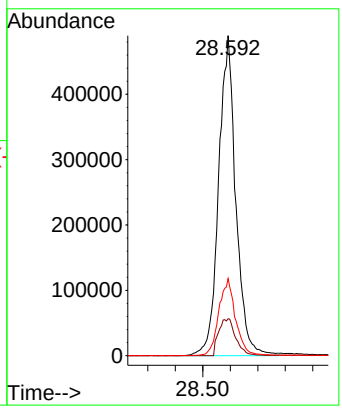


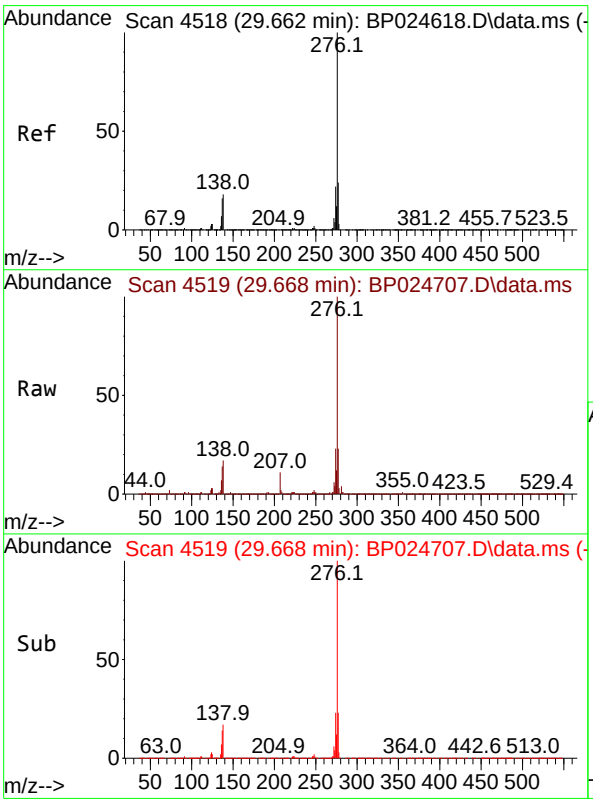

#91
Dibenzo(a,h)anthracene
Concen: 43.192 ng
RT: 28.592 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BS

Tgt Ion:278 Resp: 2122778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 11.5 | 10.2 | 15.4 |
| 279 | 24.1 | 19.0 | 28.4 |

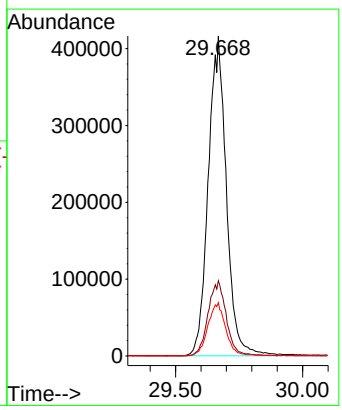



#92
Benzo(g,h,i)perylene
Concen: 42.061 ng
RT: 29.668 min Scan# 4519
Delta R.T. 0.006 min
Lab File: BP024707.D
Acq: 20 May 2025 14:35

Tgt Ion:276 Resp: 2055756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.5 | 19.0 | 28.4 |
| 138 | 16.7 | 14.4 | 21.6 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | PB168048BSD | SDG No.: | Q2064 |
| Lab Sample ID: | PB168048BSD | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024708.D | 1 | 05/19/25 08:42 | 05/20/25 15:16 | PB168048 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 100-52-7 | Benzaldehyde | 33.3 | | 3.90 | 8.00 | 10.0 | ug/L |
| 108-95-2 | Phenol | 41.7 | | 0.91 | 4.00 | 5.00 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 38.9 | | 0.81 | 4.00 | 5.00 | ug/L |
| 95-57-8 | 2-Chlorophenol | 43.8 | | 0.58 | 4.00 | 5.00 | ug/L |
| 95-48-7 | 2-Methylphenol | 40.8 | | 1.10 | 4.00 | 5.00 | ug/L |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 35.5 | | 1.30 | 4.00 | 5.00 | ug/L |
| 98-86-2 | Acetophenone | 41.6 | | 0.74 | 4.00 | 5.00 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 40.5 | | 1.10 | 8.00 | 10.0 | ug/L |
| 621-64-7 | n-Nitroso-di-n-propylamine | 34.9 | | 1.40 | 2.50 | 2.50 | ug/L |
| 67-72-1 | Hexachloroethane | 39.5 | | 0.65 | 4.00 | 5.00 | ug/L |
| 98-95-3 | Nitrobenzene | 42.2 | | 0.76 | 4.00 | 5.00 | ug/L |
| 78-59-1 | Isophorone | 37.7 | | 0.75 | 4.00 | 5.00 | ug/L |
| 88-75-5 | 2-Nitrophenol | 47.7 | | 1.80 | 4.00 | 5.00 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 46.0 | | 1.90 | 4.00 | 5.00 | ug/L |
| 111-91-1 | bis(2-Chloroethoxy)methane | 39.7 | | 0.68 | 4.00 | 5.00 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | 47.2 | | 0.52 | 4.00 | 5.00 | ug/L |
| 91-20-3 | Naphthalene | 42.5 | | 0.50 | 4.00 | 5.00 | ug/L |
| 106-47-8 | 4-Chloroaniline | 34.9 | | 0.84 | 4.00 | 5.00 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 45.8 | | 0.54 | 4.00 | 5.00 | ug/L |
| 105-60-2 | Caprolactam | 43.3 | | 1.10 | 8.00 | 10.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | 42.8 | | 0.59 | 4.00 | 5.00 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 41.9 | | 0.56 | 4.00 | 5.00 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | 99.7 | E | 3.60 | 8.00 | 10.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 49.8 | | 0.51 | 4.00 | 5.00 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 48.4 | | 0.62 | 4.00 | 5.00 | ug/L |
| 92-52-4 | 1,1-Biphenyl | 45.9 | | 0.53 | 4.00 | 5.00 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | 46.2 | | 0.61 | 4.00 | 5.00 | ug/L |
| 88-74-4 | 2-Nitroaniline | 45.1 | | 1.30 | 4.00 | 5.00 | ug/L |
| 131-11-3 | Dimethylphthalate | 44.8 | | 0.61 | 4.00 | 5.00 | ug/L |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | PB168048BSD | SDG No.: | Q2064 |
| Lab Sample ID: | PB168048BSD | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024708.D | 1 | 05/19/25 08:42 | 05/20/25 15:16 | PB168048 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 43.7 | | 0.75 | 4.00 | 5.00 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | 45.8 | | 0.92 | 4.00 | 5.00 | ug/L |
| 99-09-2 | 3-Nitroaniline | 37.1 | | 1.10 | 4.00 | 5.00 | ug/L |
| 83-32-9 | Acenaphthene | 44.5 | | 0.55 | 4.00 | 5.00 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | 86.7 | E | 6.00 | 8.00 | 10.0 | ug/L |
| 100-02-7 | 4-Nitrophenol | 78.4 | | 2.40 | 8.00 | 10.0 | ug/L |
| 132-64-9 | Dibenzofuran | 43.7 | | 0.61 | 4.00 | 5.00 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 45.9 | | 1.20 | 4.00 | 5.00 | ug/L |
| 84-66-2 | Diethylphthalate | 44.1 | | 0.69 | 4.00 | 5.00 | ug/L |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 45.4 | | 0.68 | 4.00 | 5.00 | ug/L |
| 86-73-7 | Fluorene | 45.6 | | 0.63 | 4.00 | 5.00 | ug/L |
| 100-01-6 | 4-Nitroaniline | 43.8 | | 1.50 | 4.00 | 5.00 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 49.0 | | 2.90 | 8.00 | 10.0 | ug/L |
| 86-30-6 | n-Nitrosodiphenylamine | 47.5 | | 0.58 | 4.00 | 5.00 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 48.0 | | 0.40 | 4.00 | 5.00 | ug/L |
| 118-74-1 | Hexachlorobenzene | 47.6 | | 0.52 | 4.00 | 5.00 | ug/L |
| 1912-24-9 | Atrazine | 47.6 | | 1.00 | 4.00 | 5.00 | ug/L |
| 87-86-5 | Pentachlorophenol | 110 | E | 1.60 | 8.00 | 10.0 | ug/L |
| 85-01-8 | Phenanthrene | 44.4 | | 0.50 | 4.00 | 5.00 | ug/L |
| 120-12-7 | Anthracene | 46.9 | | 0.61 | 4.00 | 5.00 | ug/L |
| 86-74-8 | Carbazole | 46.9 | | 0.72 | 4.00 | 5.00 | ug/L |
| 84-74-2 | Di-n-butylphthalate | 46.4 | | 1.20 | 4.00 | 5.00 | ug/L |
| 206-44-0 | Fluoranthene | 45.0 | | 0.82 | 4.00 | 5.00 | ug/L |
| 129-00-0 | Pyrene | 43.3 | | 0.50 | 4.00 | 5.00 | ug/L |
| 85-68-7 | Butylbenzylphthalate | 44.7 | | 1.90 | 4.00 | 5.00 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | 41.3 | | 0.93 | 8.00 | 10.0 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 44.7 | | 0.45 | 4.00 | 5.00 | ug/L |
| 218-01-9 | Chrysene | 44.7 | | 0.44 | 4.00 | 5.00 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 47.2 | | 1.60 | 4.00 | 5.00 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | 47.7 | | 2.30 | 8.00 | 10.0 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 47.0 | | 0.49 | 4.00 | 5.00 | ug/L |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | PB168048BSD | SDG No.: | Q2064 |
| Lab Sample ID: | PB168048BSD | Matrix: | Water |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024708.D | 1 | 05/19/25 08:42 | 05/20/25 15:16 | PB168048 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 45.9 | | 0.48 | 4.00 | 5.00 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 46.4 | | 0.55 | 4.00 | 5.00 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 45.4 | | 0.59 | 4.00 | 5.00 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 46.0 | | 0.67 | 4.00 | 5.00 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 44.9 | | 0.69 | 4.00 | 5.00 | ug/L |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 47.0 | | 0.52 | 4.00 | 5.00 | ug/L |
| 123-91-1 | 1,4-Dioxane | 31.5 | | 1.00 | 4.00 | 5.00 | ug/L |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 48.0 | | 0.72 | 4.00 | 5.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 128 | | 19 - 119 | | 85% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 120 | | 10 - 130 | | 80% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 75.8 | | 44 - 120 | | 76% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 78.1 | | 44 - 119 | | 78% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 146 | | 43 - 140 | | 97% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 79.4 | | 50 - 134 | | 79% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 140000 | 7.658 | | | | |
| 1146-65-2 | Naphthalene-d8 | 538000 | 10.422 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 330000 | 14.287 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 643000 | 17.081 | | | | |
| 1719-03-5 | Chrysene-d12 | 742000 | 21.516 | | | | |
| 1520-96-3 | Perylene-d12 | 839000 | 24.792 | | | | |

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_P\Data\BP052025\
Data File : BP024708.D
Acq On : 20 May 2025 15:16
Operator : RC/JU
Sample : PB168048BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 20 15:48:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.658 | 152 | 139801 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.422 | 136 | 538123 | 20.000 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 14.287 | 164 | 329718 | 20.000 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.081 | 188 | 642991 | 20.000 | ng | | -0.02 |
| 76) Chrysene-d12 | 21.516 | 240 | 741643 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.792 | 264 | 838594 | 20.000 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.293 | 112 | 1043511 | 127.666 | ng | | 0.00 |
| 7) Phenol-d6 | 6.863 | 99 | 1253204 | 120.132 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 8.805 | 82 | 807485 | 75.818 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.804 | 330 | 816620 | 146.094 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.893 | 172 | 1964889 | 78.074 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.804 | 244 | 3433913 | 79.393 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.222 | 88 | 120709 | 31.450 | ng | | 95 |
| 3) Pyridine | 3.617 | 79 | 287355 | 33.764 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.528 | 42 | 150262 | 39.993 | ng | | 88 |
| 6) Aniline | 6.999 | 93 | 471275 | 34.991 | ng | | 100 |
| 8) 2-Chlorophenol | 7.234 | 128 | 406514 | 43.810 | ng | | 98 |
| 9) Benzaldehyde | 6.811 | 77 | 225153 | 33.341 | ng | | 98 |
| 10) Phenol | 6.887 | 94 | 449144 | 41.715 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.087 | 93 | 343898 | 38.871 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 7.546 | 146 | 445502 | 41.731 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.693 | 146 | 456307 | 42.498 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.005 | 146 | 419608 | 40.106 | ng | | 99 |
| 15) Benzyl Alcohol | 7.905 | 79 | 327937 | 41.367 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.175 | 45 | 375945 | 35.482 | ng | | 98 |
| 17) 2-Methylphenol | 8.116 | 107 | 314693 | 40.750 | ng | | 97 |
| 18) Hexachloroethane | 8.716 | 117 | 162657 | 39.533 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.457 | 70 | 251492 | 34.851 | ng | | 95 |
| 20) 3+4-Methylphenols | 8.446 | 107 | 425353 | 40.492 | ng | | 96 |
| 22) Acetophenone | 8.469 | 105 | 559135 | 41.596 | ng | # | 98 |
| 24) Nitrobenzene | 8.846 | 77 | 395885 | 42.239 | ng | | 96 |
| 25) Isophorone | 9.363 | 82 | 697164 | 37.737 | ng | | 99 |
| 26) 2-Nitrophenol | 9.552 | 139 | 219271 | 47.744 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.622 | 122 | 372381 | 45.988 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 9.846 | 93 | 438080 | 39.691 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.099 | 162 | 370553 | 47.224 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.287 | 180 | 392603 | 44.400 | ng | | 97 |
| 31) Naphthalene | 10.475 | 128 | 1185760 | 42.522 | ng | | 100 |
| 32) Benzoic acid | 9.810 | 122 | 245894m | 44.302 | ng | | |
| 33) 4-Chloroaniline | 10.593 | 127 | 393001 | 34.925 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.752 | 225 | 262558 | 45.836 | ng | | 98 |
| 35) Caprolactam | 11.399 | 113 | 122940 | 43.305 | ng | | 99 |
| 36) 4-Chloro-3-methylphenol | 11.740 | 107 | 409493 | 42.794 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.087 | 142 | 755884 | 41.862 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.310 | 142 | 792211 | 41.005 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.457 | 216 | 450159 | 47.016 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.434 | 237 | 578889 | 99.710 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 12.716 | 196 | 308678 | 49.774 | ng | | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024708.D
Acq On : 20 May 2025 15:16
Operator : RC/JU
Sample : PB168048BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 20 15:48:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.804 | 196 | 333877 | 48.366 | ng | 96 |
| 46) 1,1'-Biphenyl | 13.104 | 154 | 1119732 | 45.948 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.145 | 162 | 857654 | 46.157 | ng | 98 |
| 48) 2-Nitroaniline | 13.369 | 65 | 247888 | 45.061 | ng | 96 |
| 49) Acenaphthylene | 14.004 | 152 | 1357825 | 43.666 | ng | 100 |
| 50) Dimethylphthalate | 13.745 | 163 | 1126770 | 44.835 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.863 | 165 | 242858 | 45.757 | ng | 96 |
| 52) Acenaphthene | 14.351 | 154 | 795831 | 44.519 | ng | 99 |
| 53) 3-Nitroaniline | 14.204 | 138 | 200980 | 37.085 | ng | 98 |
| 54) 2,4-Dinitrophenol | 14.422 | 184 | 292154 | 86.708 | ng | 96 |
| 55) Dibenzofuran | 14.692 | 168 | 1245387 | 43.677 | ng | 98 |
| 56) 4-Nitrophenol | 14.563 | 139 | 367273 | 78.370 | ng | 96 |
| 57) 2,4-Dinitrotoluene | 14.669 | 165 | 343419 | 45.895 | ng | 97 |
| 58) Fluorene | 15.345 | 166 | 1060372 | 45.608 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.934 | 232 | 307270 | 47.983 | ng | 97 |
| 60) Diethylphthalate | 15.122 | 149 | 1120632 | 44.119 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.339 | 204 | 526856 | 45.439 | ng | 98 |
| 62) 4-Nitroaniline | 15.387 | 138 | 228988 | 43.760 | ng | 99 |
| 63) Azobenzene | 15.639 | 77 | 928905 | 42.749 | ng | 96 |
| 65) 4,6-Dinitro-2-methylph... | 15.451 | 198 | 203628 | 49.028 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 15.563 | 169 | 938311 | 47.509 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.251 | 248 | 363780 | 48.013 | ng | 98 |
| 68) Hexachlorobenzene | 16.369 | 284 | 458184 | 47.591 | ng | 99 |
| 69) Atrazine | 16.545 | 200 | 344306 | 47.570 | ng | 99 |
| 70) Pentachlorophenol | 16.734 | 266 | 590870 | 109.332 | ng | 99 |
| 71) Phenanthrene | 17.128 | 178 | 1585722 | 44.362 | ng | 99 |
| 72) Anthracene | 17.216 | 178 | 1687384 | 46.920 | ng | 100 |
| 73) Carbazole | 17.504 | 167 | 1527551 | 46.929 | ng | 100 |
| 74) Di-n-butylphthalate | 18.086 | 149 | 1942338 | 46.398 | ng | 100 |
| 75) Fluoranthene | 19.210 | 202 | 1881199 | 45.023 | ng | 99 |
| 77) Benzidine | 19.416 | 184 | 1184443 | 58.638 | ng | 100 |
| 78) Pyrene | 19.586 | 202 | 1922595 | 43.265 | ng | 100 |
| 80) Butylbenzylphthalate | 20.539 | 149 | 882879 | 44.673 | ng | 92 |
| 81) Benzo(a)anthracene | 21.498 | 228 | 2082335 | 44.715 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.422 | 252 | 713621 | 41.258 | ng | 99 |
| 83) Chrysene | 21.563 | 228 | 1974706 | 44.732 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.427 | 149 | 1370288 | 47.173 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.680 | 149 | 2264072 | 47.662 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.527 | 276 | 2777529 | 45.368 | ng | 95 |
| 88) Benzo(b)fluoranthene | 23.763 | 252 | 2257968 | 47.041 | ng | 99 |
| 89) Benzo(k)fluoranthene | 23.821 | 252 | 2269488 | 45.885 | ng | 99 |
| 90) Benzo(a)pyrene | 24.645 | 252 | 2138419 | 46.387 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.592 | 278 | 2290677 | 45.992 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 29.680 | 276 | 2221548 | 44.853 | ng | 98 |

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

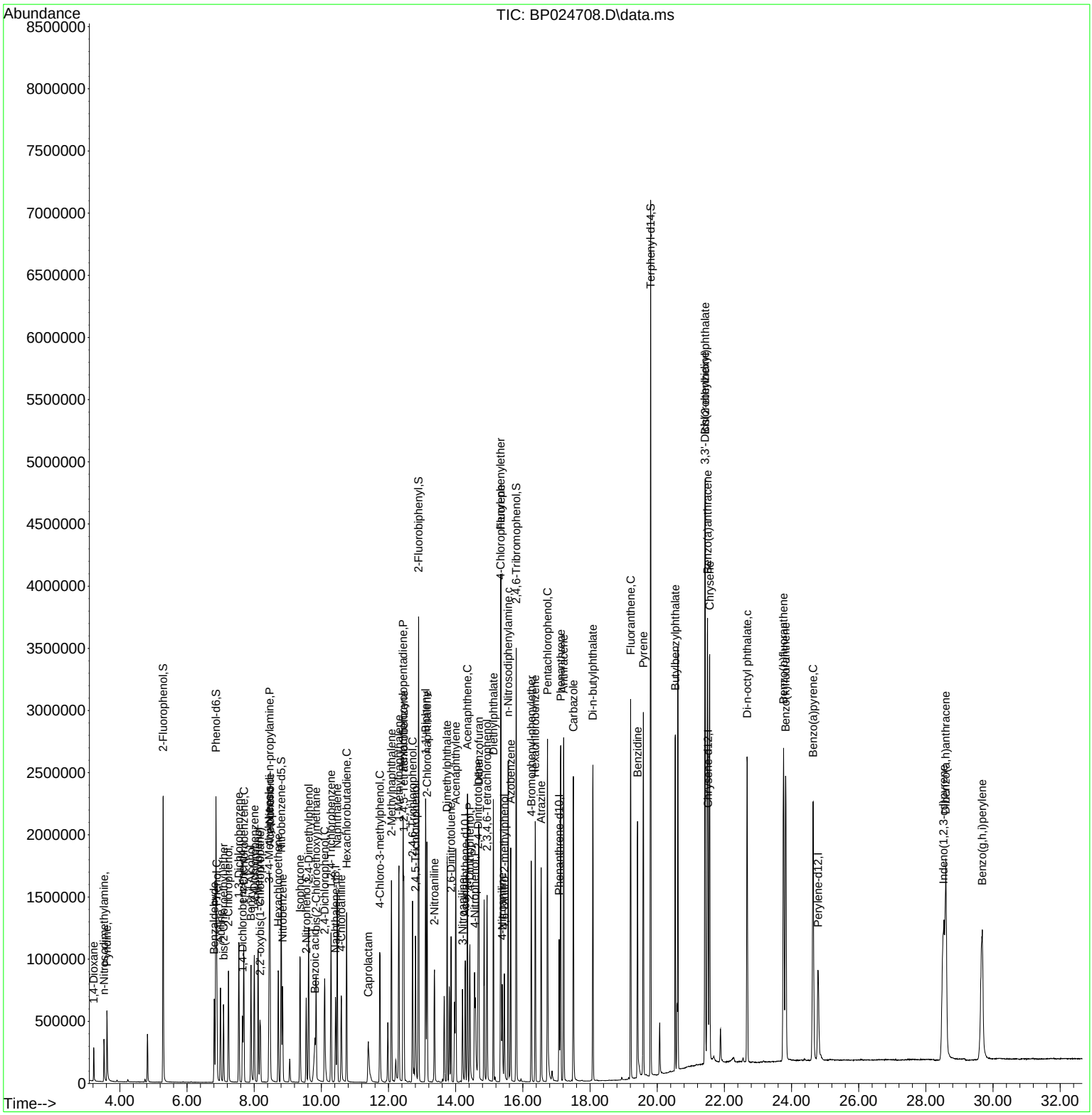
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024708.D
Acq On : 20 May 2025 15:16
Operator : RC/JU
Sample : PB168048BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

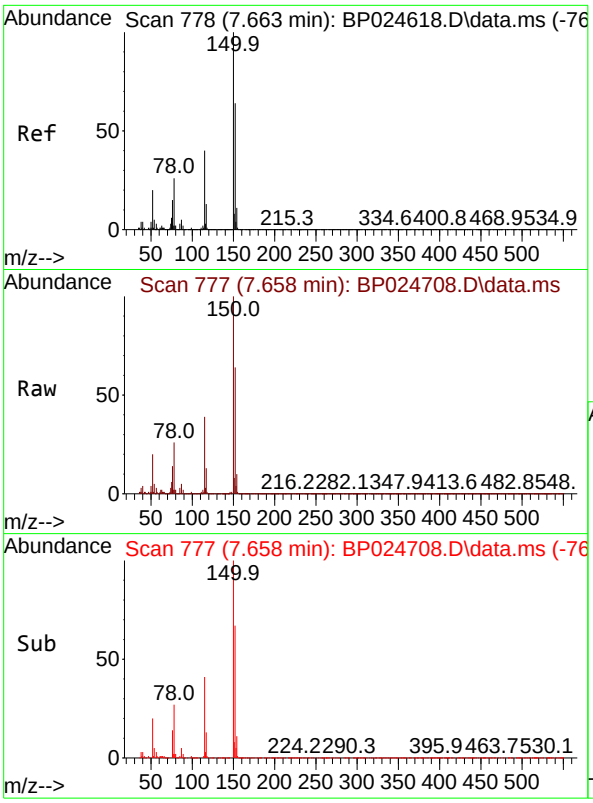
Quant Time: May 20 15:48:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

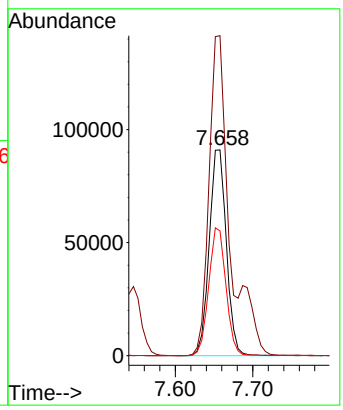





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.658 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:152 Resp: 13980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.5 | 125.9 | 188.9 |
| 115 | 60.6 | 50.1 | 75.1 |

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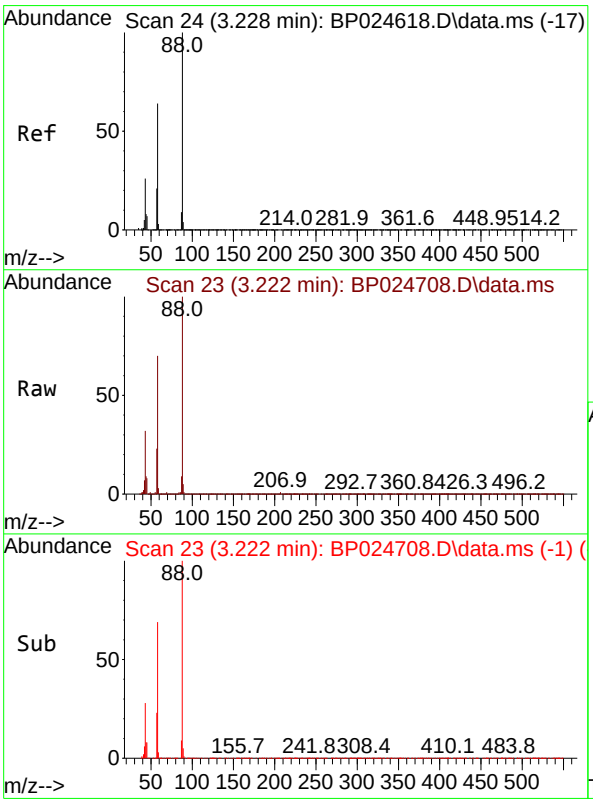
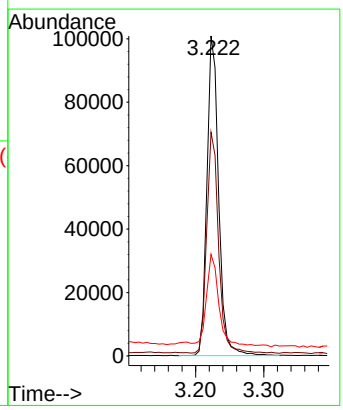
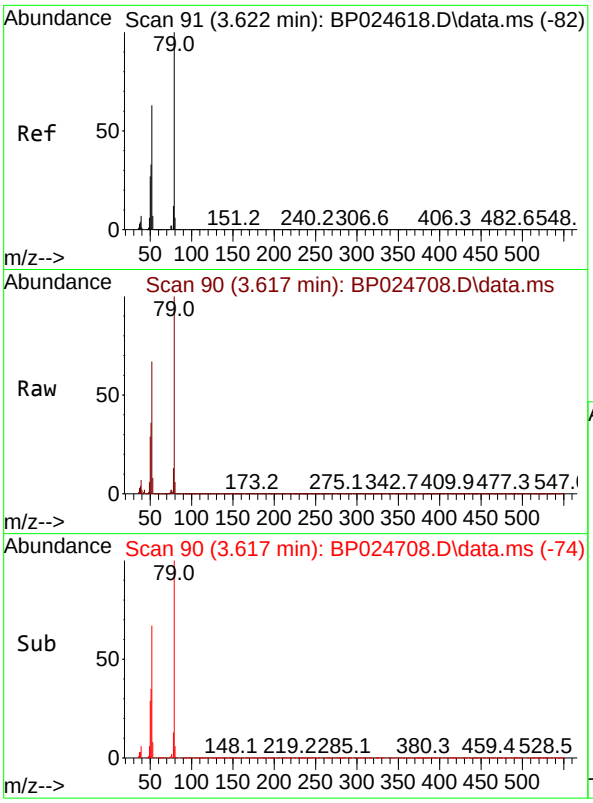



#2
1,4-Dioxane
Concen: 31.450 ng
RT: 3.222 min Scan# 23
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 88 Resp: 120709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 69.9 | 54.0 | 81.0 |
| 43 | 31.8 | 21.4 | 32.0 |

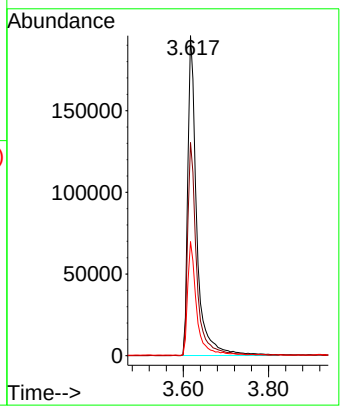





#3
Pyridine
Concen: 33.764 ng
RT: 3.617 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 79 Resp: 28735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 66.6 | 50.2 | 75.2 |
| 51 | 35.6 | 26.8 | 40.2 |




**Instrument :**
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**ClientSampleId :**
PB168048BSD

**Manual Integrations**
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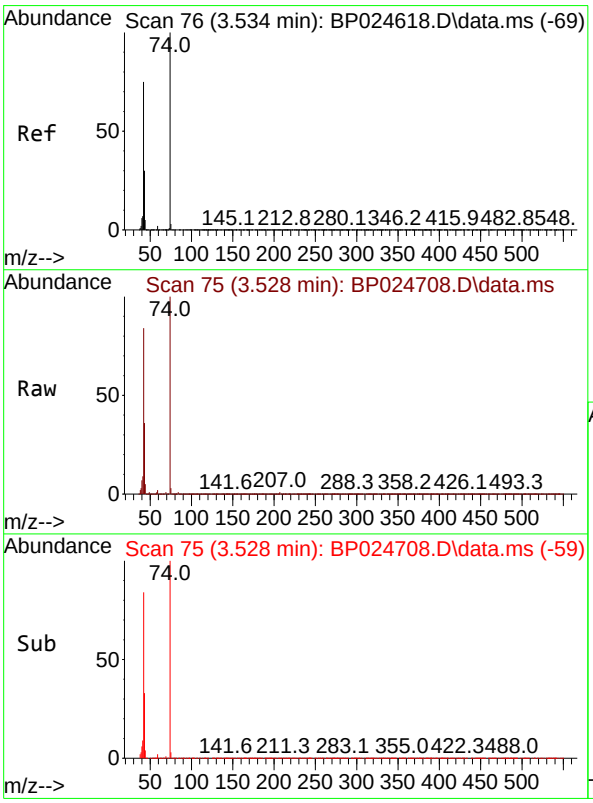
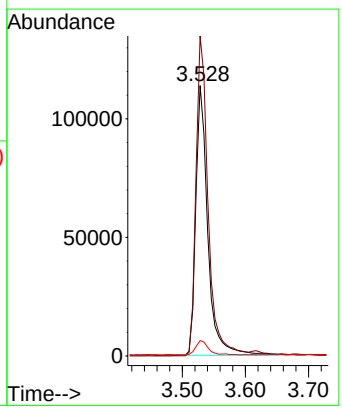
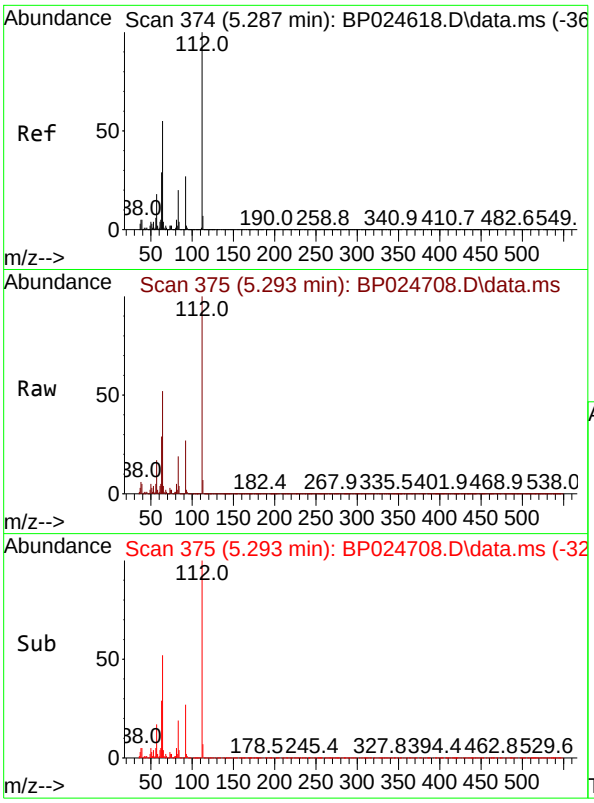



#4
n-Nitrosodimethylamine
Concen: 39.993 ng
RT: 3.528 min Scan# 75
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 42 Resp: 150262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 118.4 | 106.2 | 159.2 |
| 44 | 5.7 | 5.4 | 8.2 |

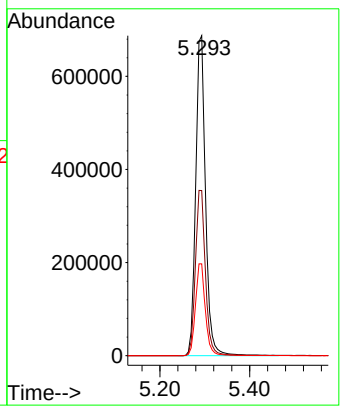





#5
2-Fluorophenol
Concen: 127.666 ng
RT: 5.293 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:112 Resp: 104351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 51.6 | 44.1 | 66.1 |
| 63 | 28.7 | 23.5 | 35.3 |




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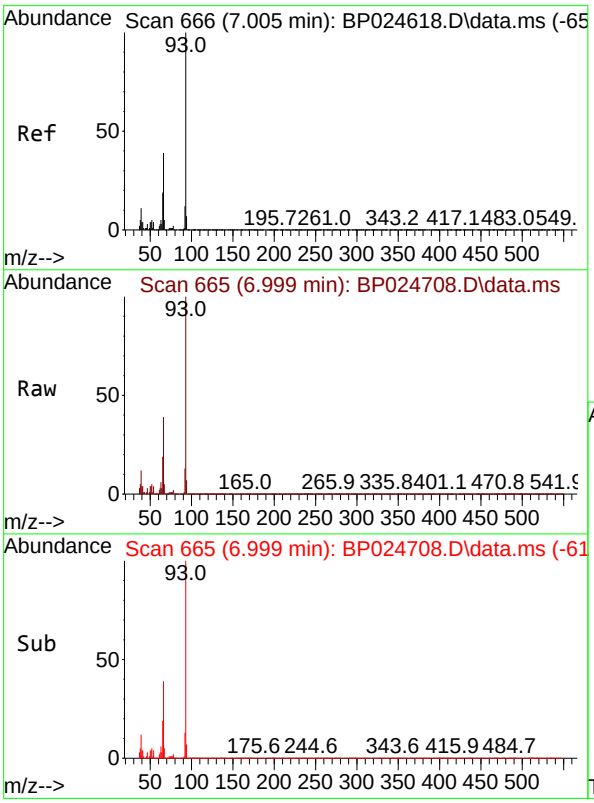
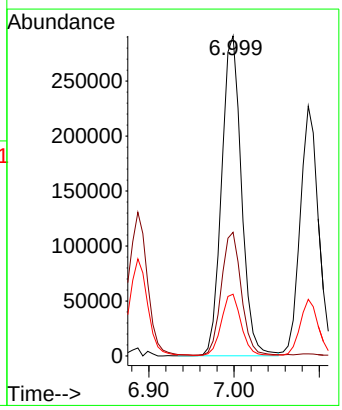
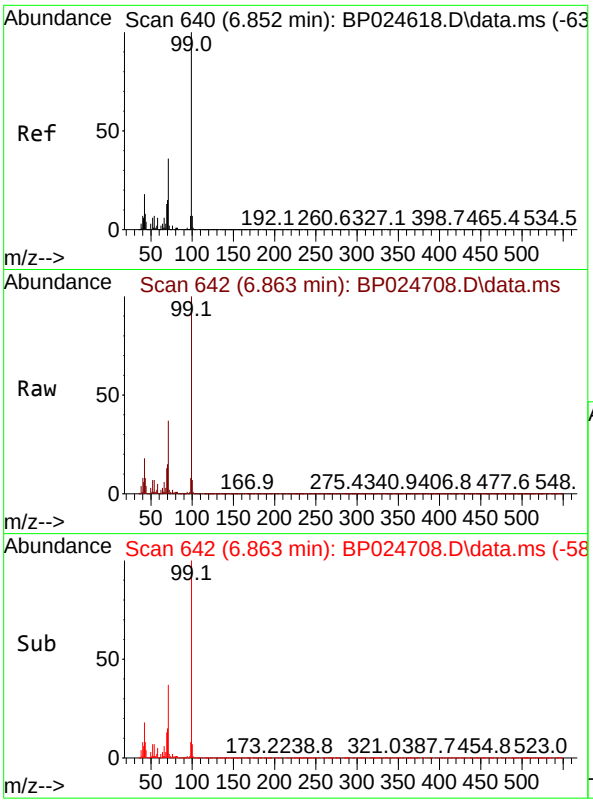



#6
Aniline
Concen: 34.991 ng
RT: 6.999 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 93 Resp: 471275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 38.6 | 31.0 | 46.6 |
| 65 | 19.3 | 15.5 | 23.3 |






#7
Phenol-d6
Concen: 120.132 ng
RT: 6.863 min Scan# 64
Delta R.T. 0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 99 Resp: 125320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.7 | 14.4 | 21.6 |
| 71 | 37.3 | 29.2 | 43.8 |

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

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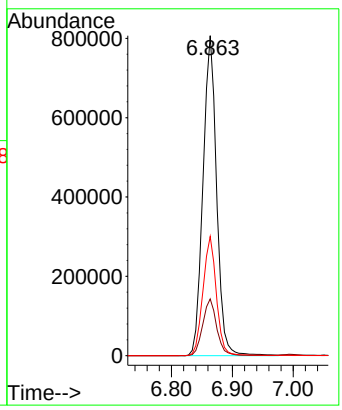
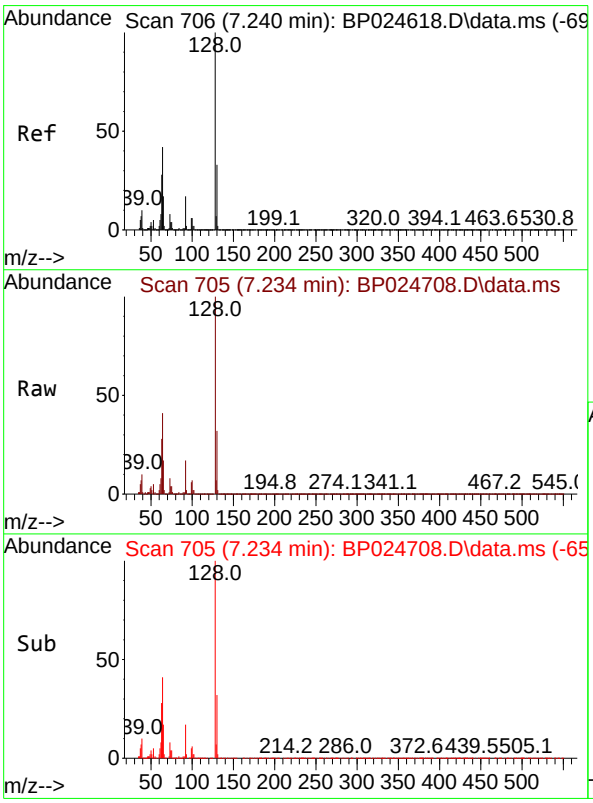
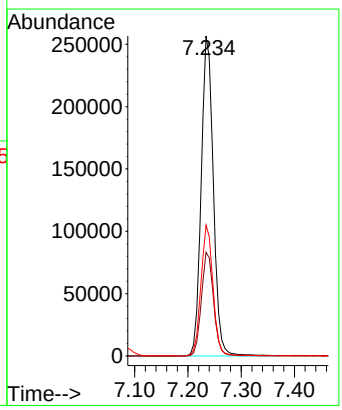


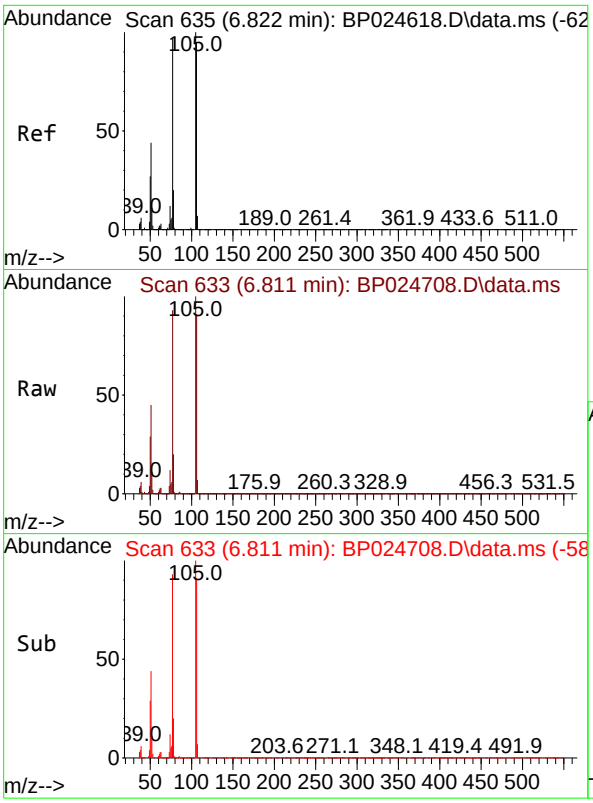




#8
2-Chlorophenol
Concen: 43.810 ng
RT: 7.234 min Scan# 705
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:128 Resp: 406514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.4 | 13.0 | 53.0 |
| 64 | 40.9 | 22.3 | 62.3 |

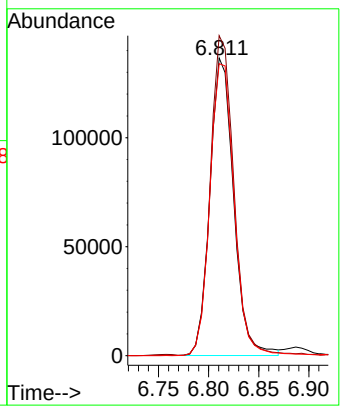





#9
Benzaldehyde
Concen: 33.341 ng
RT: 6.811 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 77 Resp: 22515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 107.4 | 83.3 | 123.3 |
| 106 | 98.0 | 78.0 | 118.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

**Manual Integrations**
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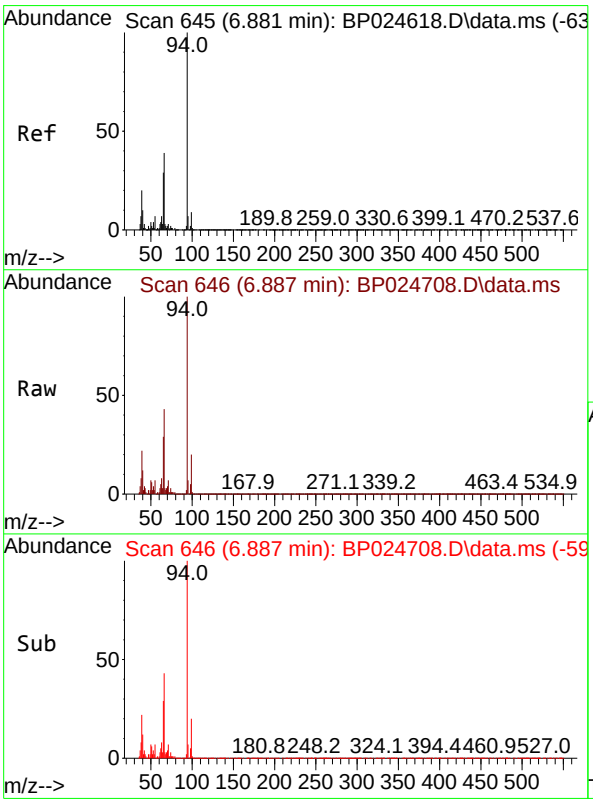
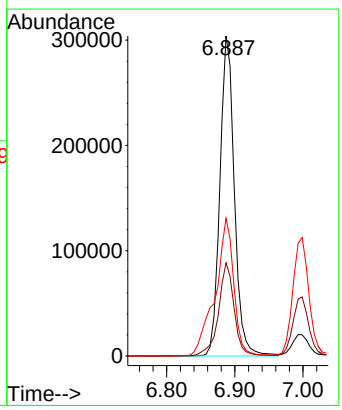
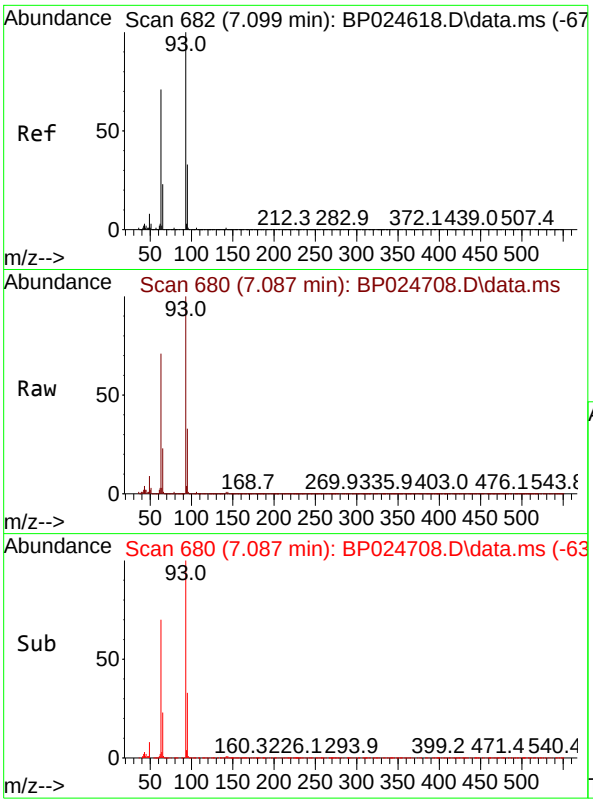



#10
Phenol
Concen: 41.715 ng
RT: 6.887 min Scan# 646
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 94 Resp: 449144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.1 | 8.7 | 48.7 |
| 66 | 43.0 | 19.4 | 59.4 |

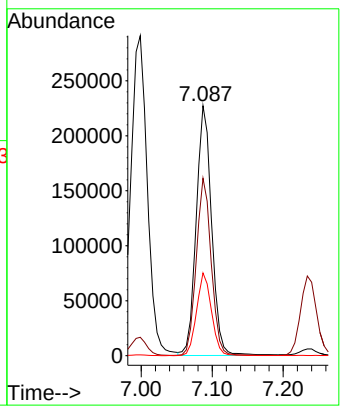





#11
bis(2-Chloroethyl)ether
Concen: 38.871 ng
RT: 7.087 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 93 Resp: 34389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 71.0 | 50.6 | 90.6 |
| 95 | 33.1 | 12.9 | 52.9 |

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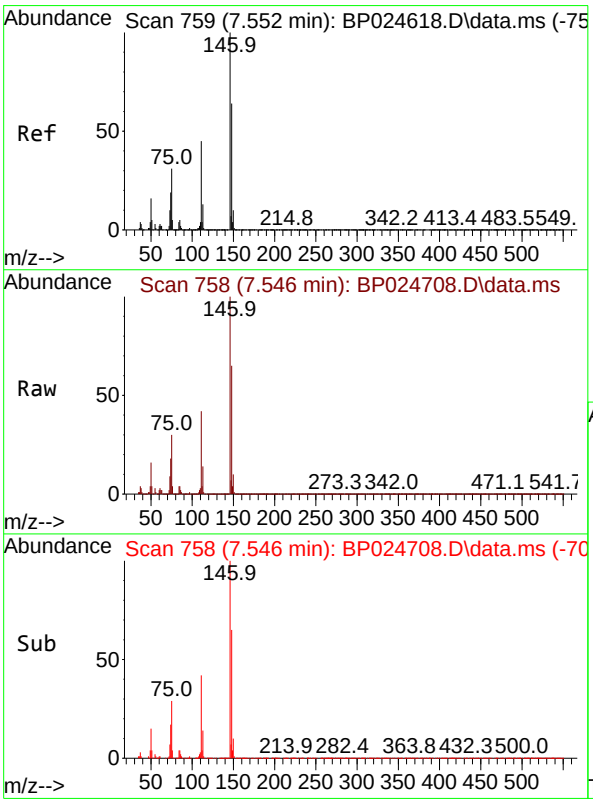
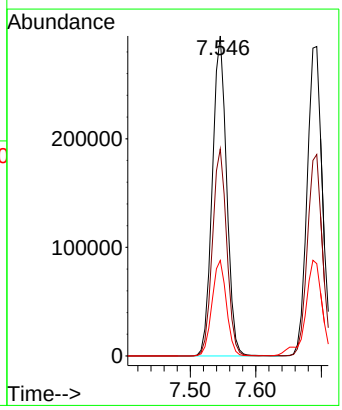
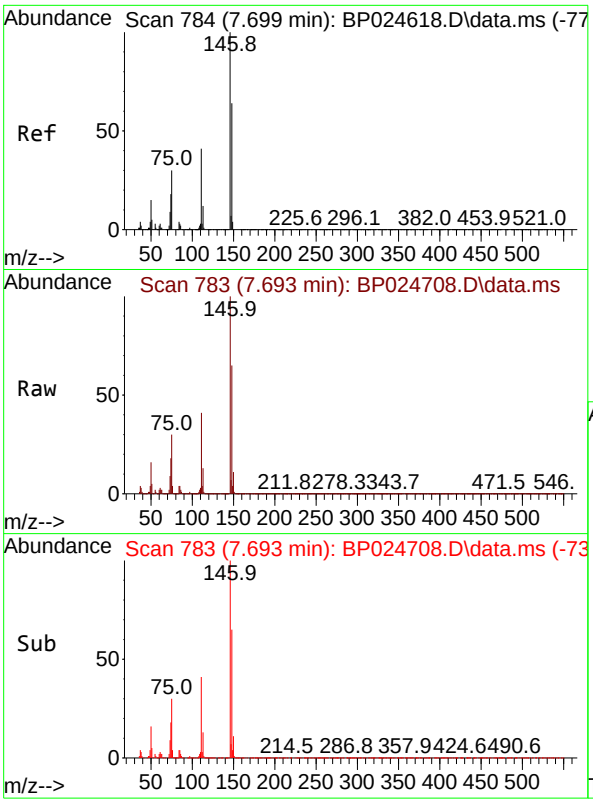



#12
1,3-Dichlorobenzene
Concen: 41.731 ng
RT: 7.546 min Scan# 758
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:146 Resp: 445502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.7 | 51.4 | 77.2 |
| 75 | 29.8 | 25.2 | 37.8 |

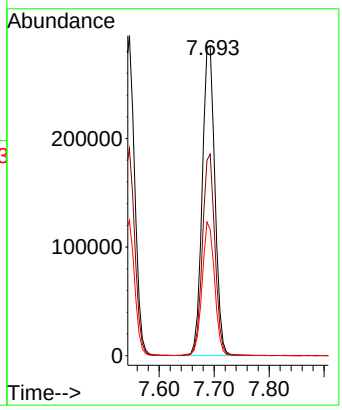





#13
1,4-Dichlorobenzene
Concen: 42.498 ng
RT: 7.693 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:146 Resp: 45630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.1 | 51.0 | 76.6 |
| 111 | 40.8 | 33.0 | 49.6 |

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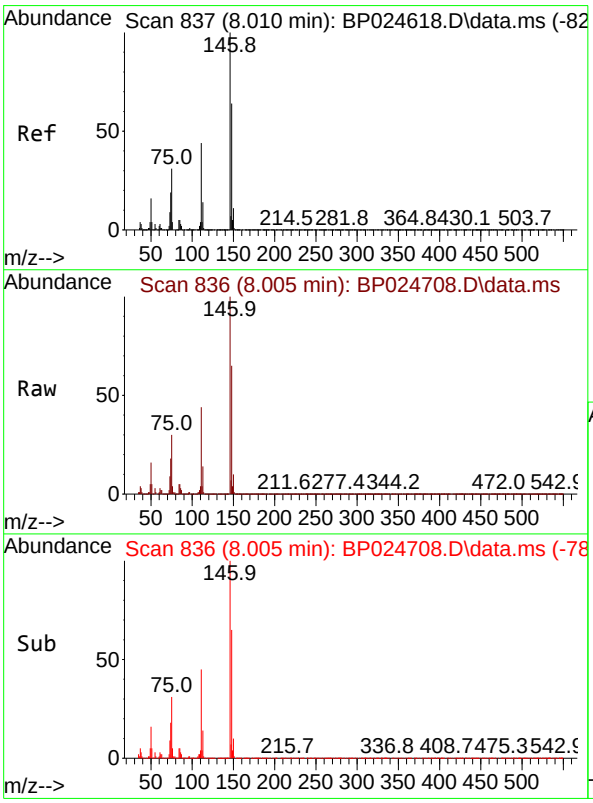
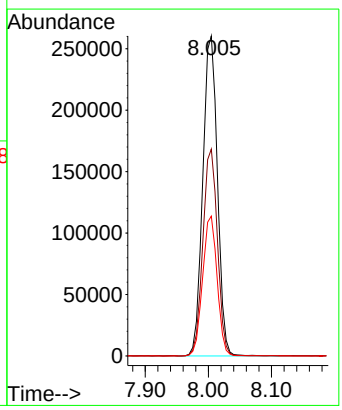
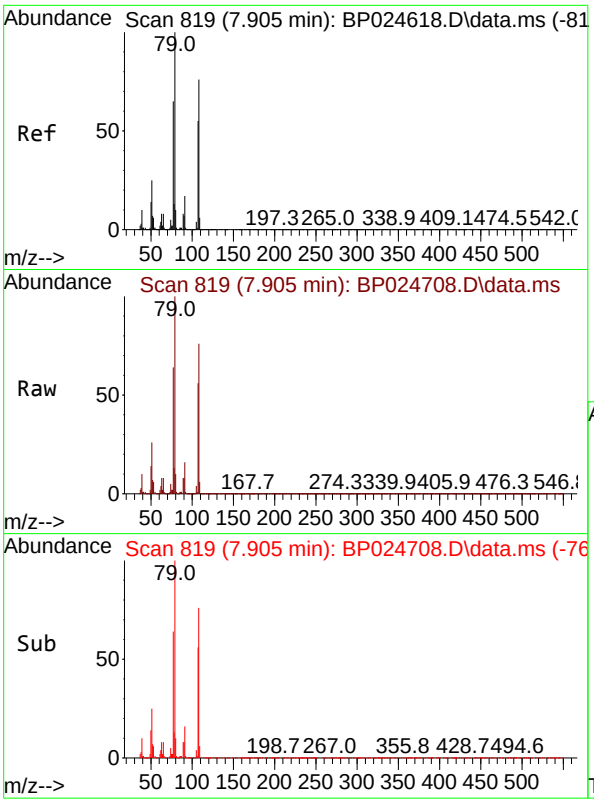



#14
1,2-Dichlorobenzene
Concen: 40.106 ng
RT: 8.005 min Scan# 836
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:146 Resp: 419608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.7 | 51.0 | 76.4 |
| 111 | 43.7 | 35.2 | 52.8 |






#15
Benzyl Alcohol
Concen: 41.367 ng
RT: 7.905 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 79 Resp: 32793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.0 | 60.8 | 91.2 |
| 77 | 63.8 | 51.9 | 77.9 |

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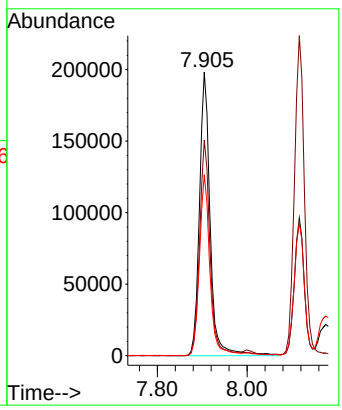
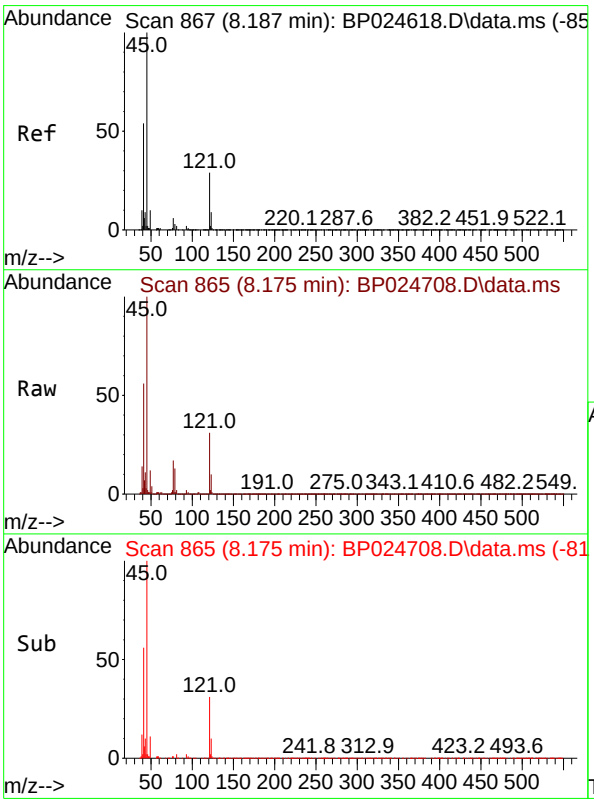
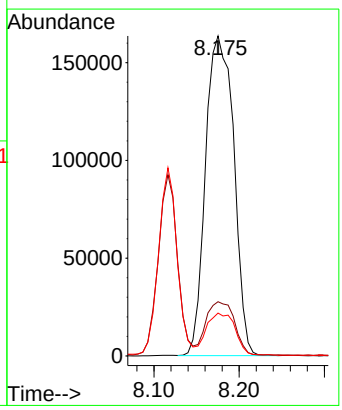


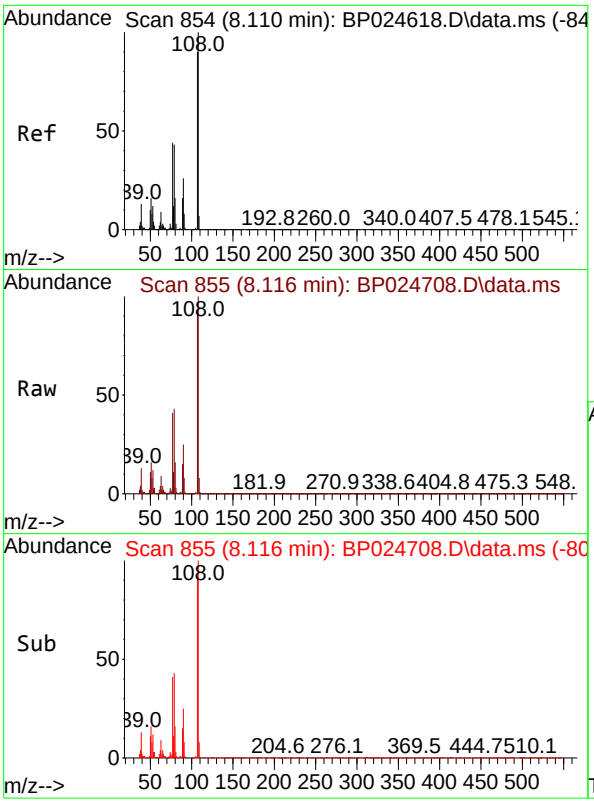




#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.482 ng
RT: 8.175 min Scan# 865
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 45 Resp: 375945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 16.9 | 0.0 | 37.7 |
| 79 | 13.4 | 0.0 | 34.0 |

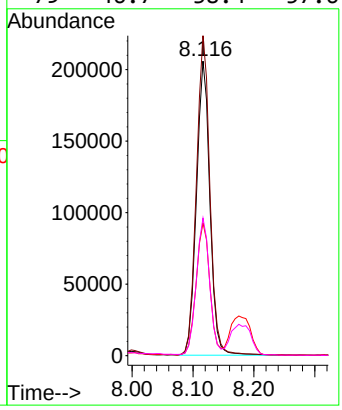





#17
2-Methylphenol
Concen: 40.750 ng
RT: 8.116 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:107 Resp: 31469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 108.6 | 88.9 | 133.3 |
| 77 | 45.0 | 39.0 | 58.6 |
| 79 | 46.7 | 38.4 | 57.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

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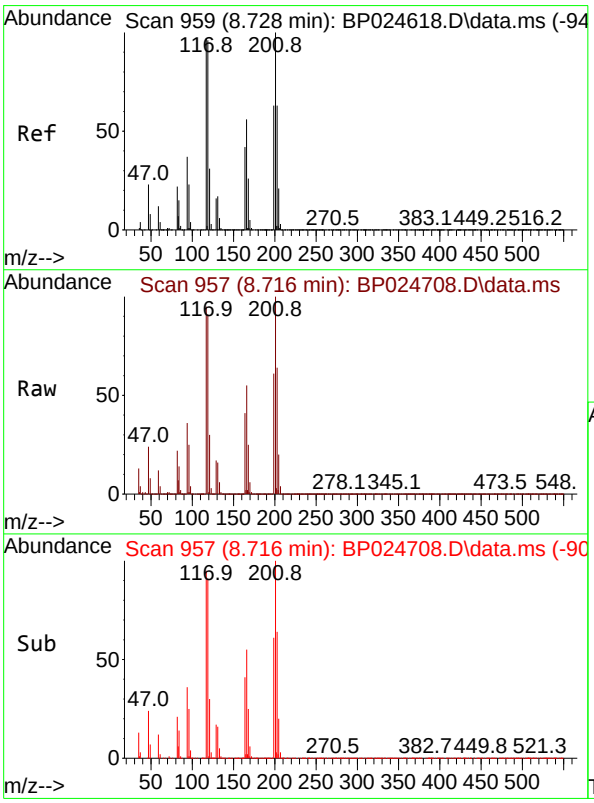
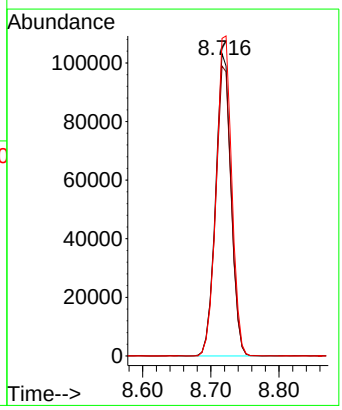
Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

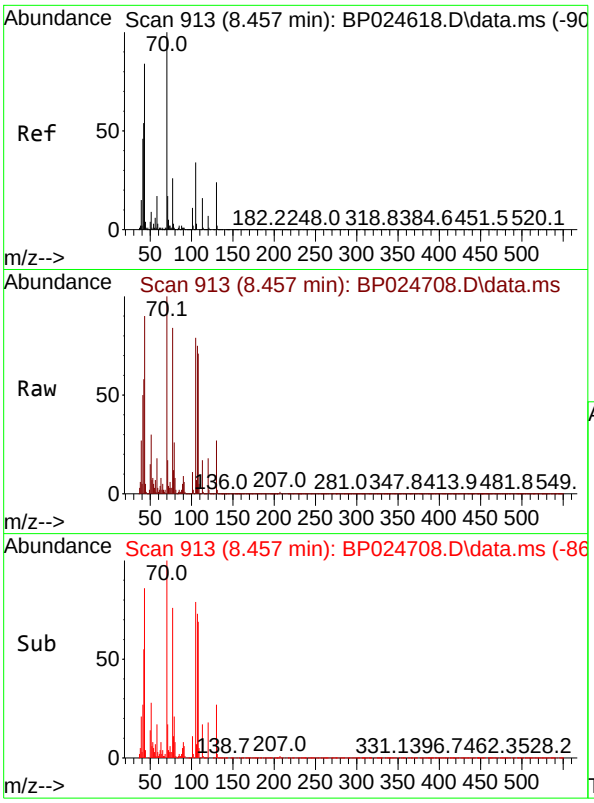



#18
Hexachloroethane
Concen: 39.533 ng
RT: 8.716 min Scan# 957
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:117 Resp: 162657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.0 | 79.4 | 119.0 |
| 201 | 105.1 | 82.7 | 124.1 |

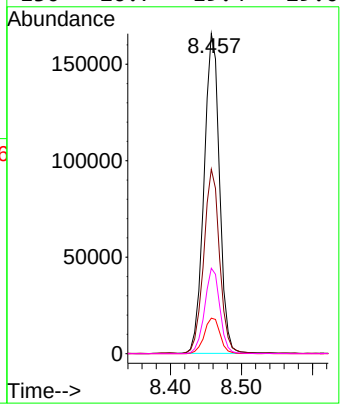





#19
n-Nitroso-di-n-propylamine
Concen: 34.851 ng
RT: 8.457 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 70 Resp: 25149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 57.6 | 43.0 | 64.6 |
| 101 | 11.1 | 8.7 | 13.1 |
| 130 | 26.7 | 19.4 | 29.0 |




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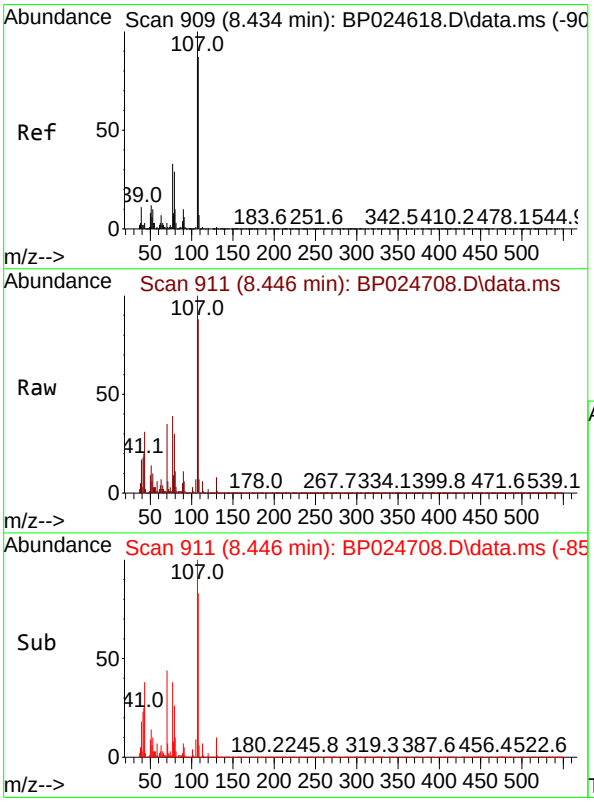
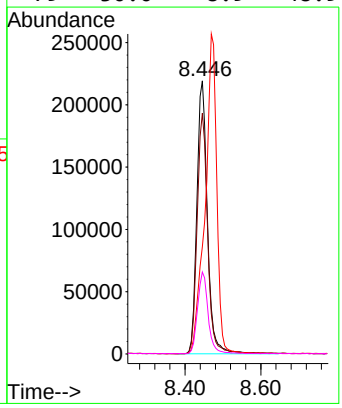
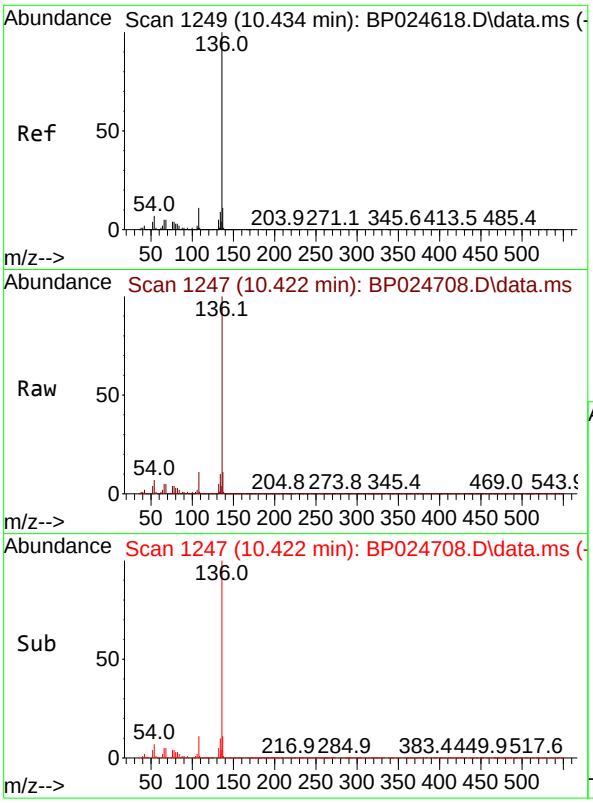



#20
3+4-Methylphenols
Concen: 40.492 ng
RT: 8.446 min Scan# 911
Delta R.T. 0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:107 Resp: 425353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.2 | 66.7 | 106.7 |
| 77 | 39.3 | 13.1 | 53.1 |
| 79 | 30.0 | 8.9 | 48.9 |

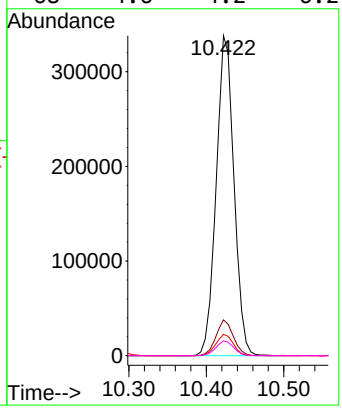





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:136 Resp: 53812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.8 | 13.2 |
| 54 | 6.6 | 5.5 | 8.3 |
| 68 | 4.6 | 4.2 | 6.2 |

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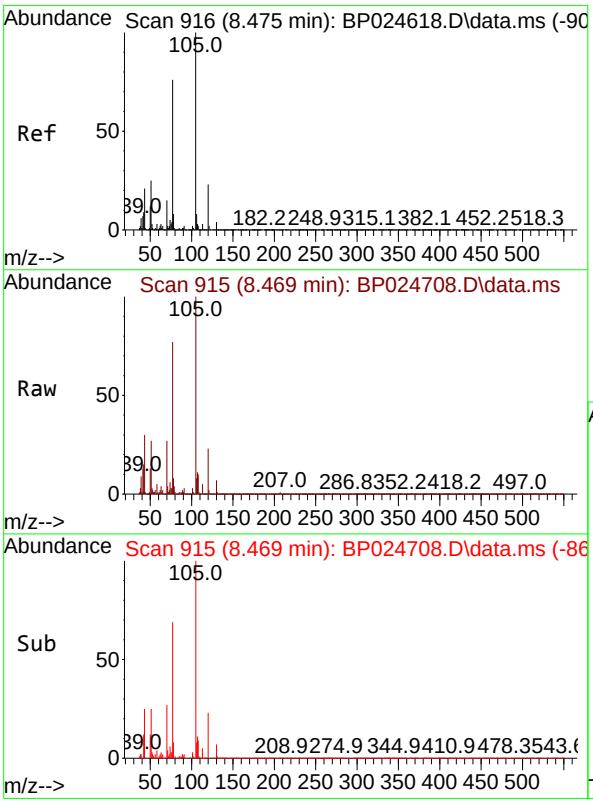
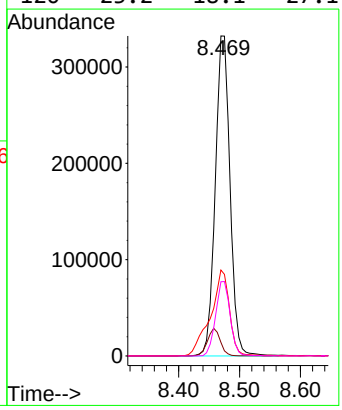
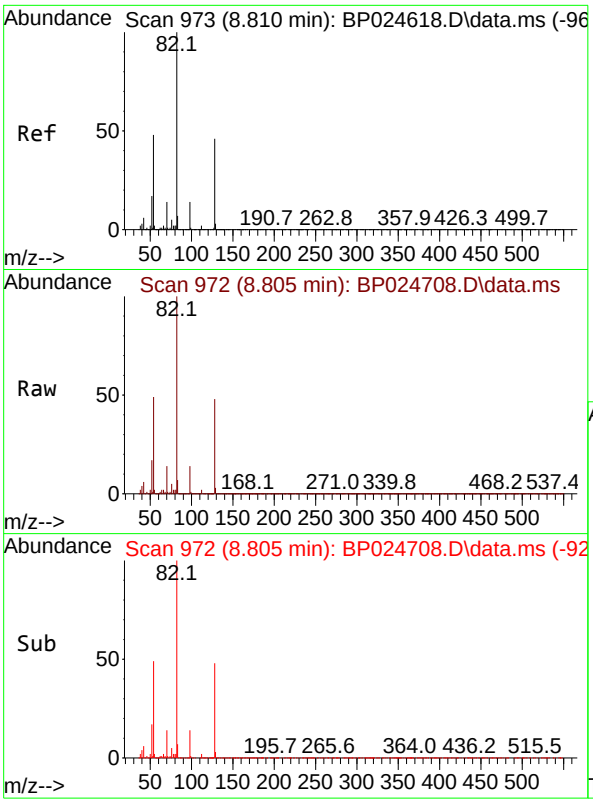



#22
Acetophenone
Concen: 41.596 ng
RT: 8.469 min Scan# 915
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:105 Resp: 559135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 4.3 | 2.0 | 3.0# |
| 51 | 26.9 | 20.4 | 30.6 |
| 120 | 23.2 | 18.1 | 27.1 |

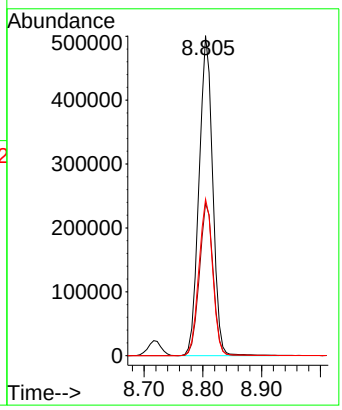





#23
Nitrobenzene-d5
Concen: 75.818 ng
RT: 8.805 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 82 Resp: 80748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.6 | 37.0 | 55.4 |
| 54 | 49.0 | 38.7 | 58.1 |




**Instrument :**
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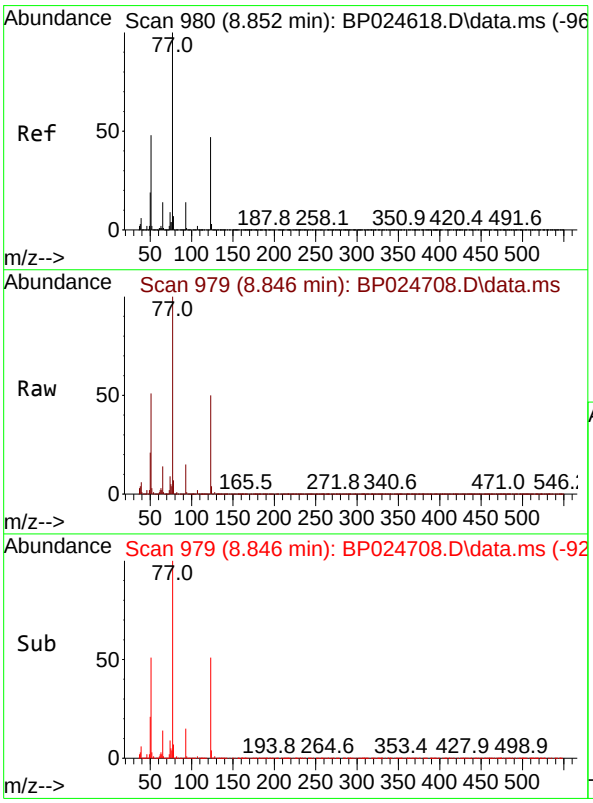
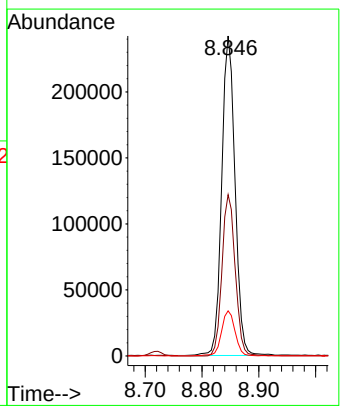
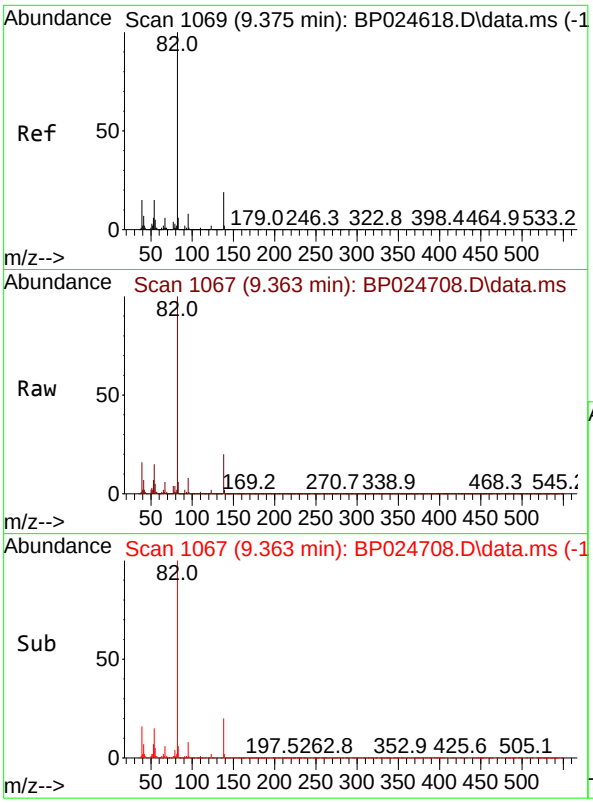



#24
Nitrobenzene
Concen: 42.239 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 77 Resp: 395885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 50.4 | 37.4 | 56.0 |
| 65 | 14.1 | 11.3 | 16.9 |

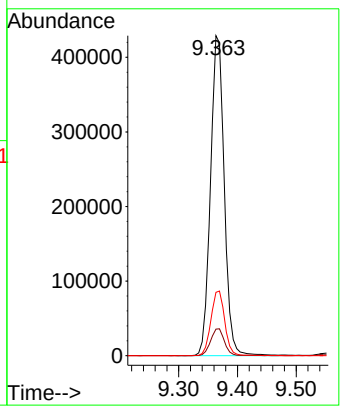





#25
Isophorone
Concen: 37.737 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 82 Resp: 69716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.3 | 6.3 | 9.5 |
| 138 | 19.8 | 15.3 | 22.9 |




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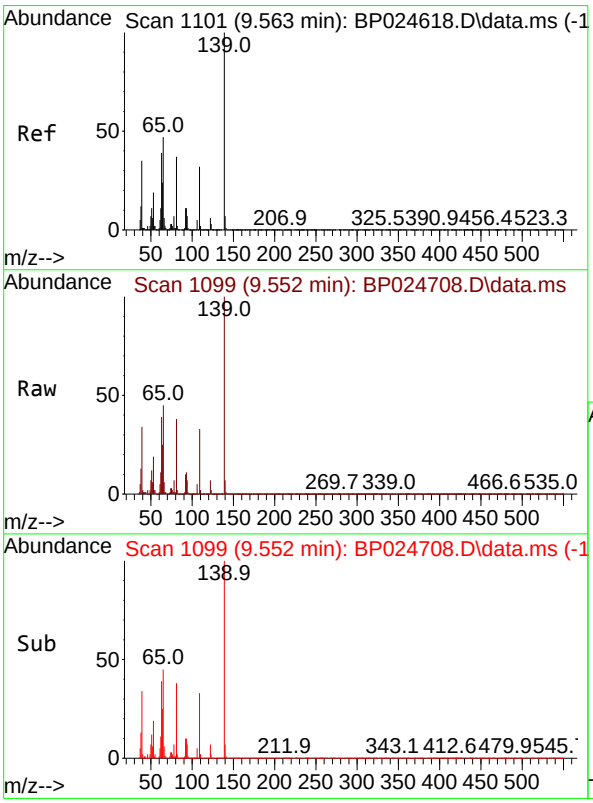
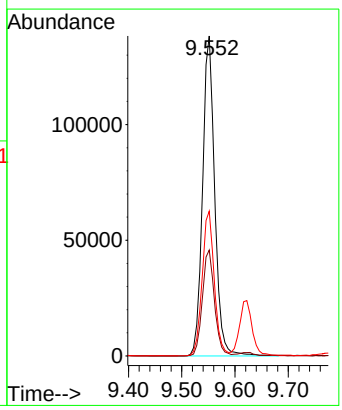
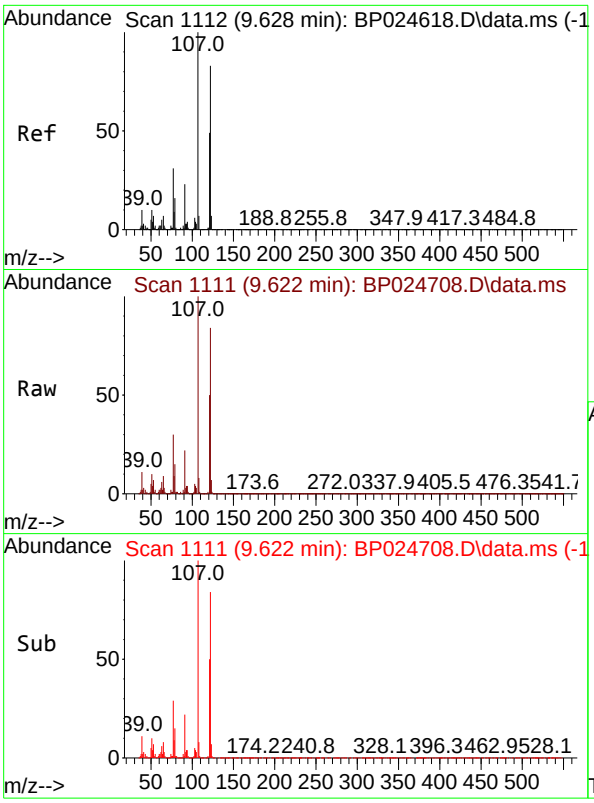



#26
2-Nitrophenol
Concen: 47.744 ng
RT: 9.552 min Scan# 1099
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:139 Resp: 219271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 33.1 | 25.9 | 38.9 |
| 65 | 45.2 | 37.9 | 56.9 |






#27
2,4-Dimethylphenol
Concen: 45.988 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:122 Resp: 37238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 118.9 | 96.2 | 144.2 |
| 121 | 58.9 | 47.6 | 71.4 |

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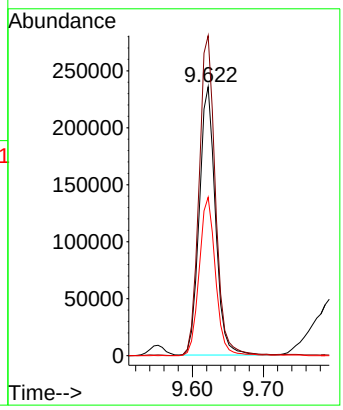
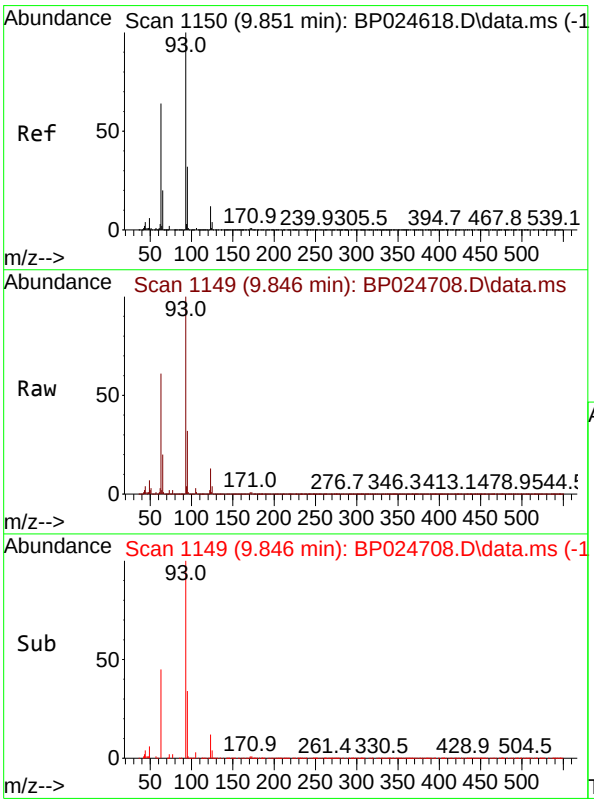
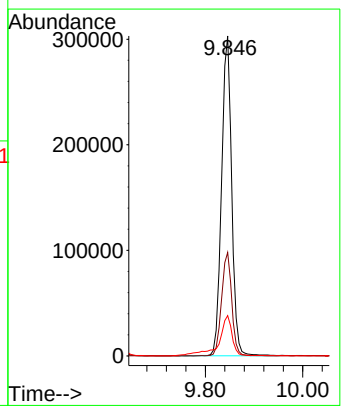


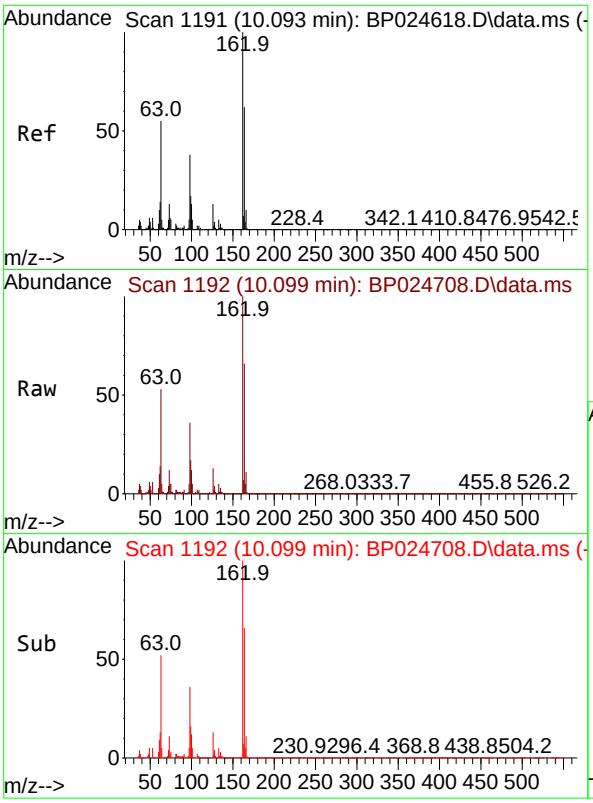




#28
bis(2-Chloroethoxy)methane
Concen: 39.691 ng
RT: 9.846 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 93 Resp: 438080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.3 | 25.5 | 38.3 |
| 123 | 12.6 | 9.7 | 14.5 |






#29
2,4-Dichlorophenol
Concen: 47.224 ng
RT: 10.099 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:162 Resp: 37055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 65.8 | 42.3 | 82.3 |
| 98 | 35.8 | 18.4 | 58.4 |

**Instrument :**
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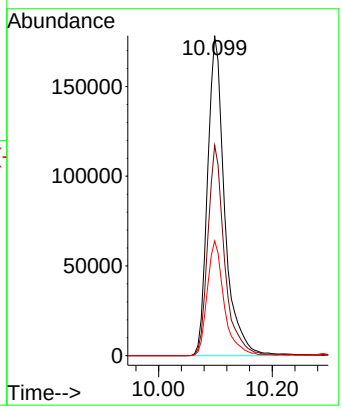
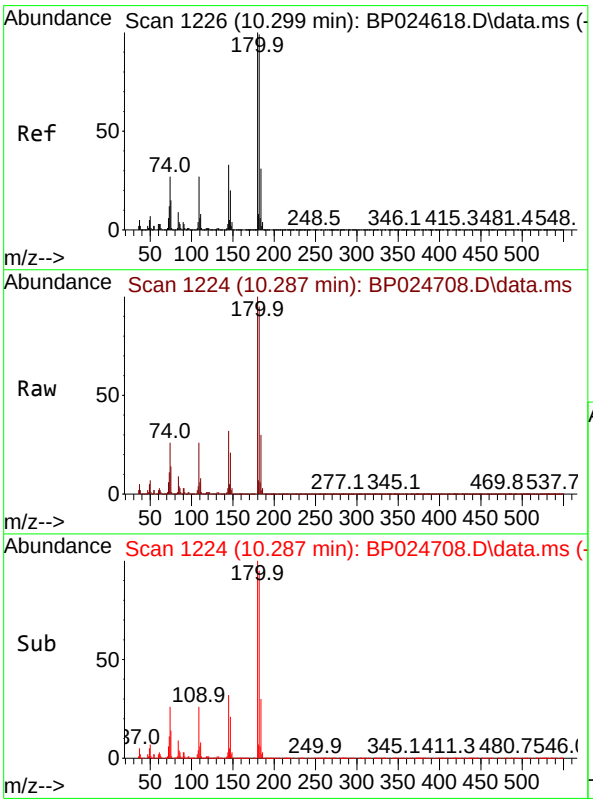
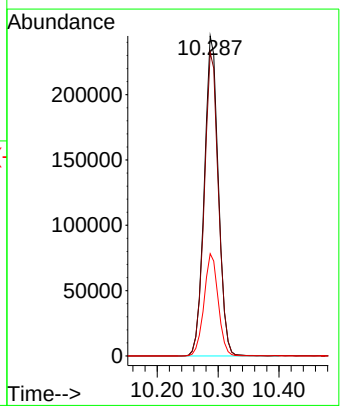


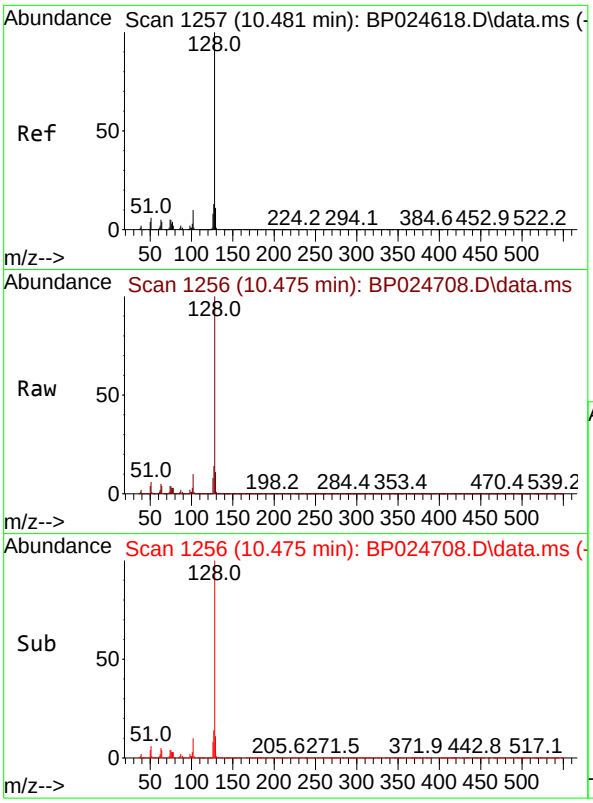




#30
1,2,4-Trichlorobenzene
Concen: 44.400 ng
RT: 10.287 min Scan# 1224
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:180 Resp: 392603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.8 | 79.0 | 118.4 |
| 145 | 31.9 | 26.6 | 39.8 |

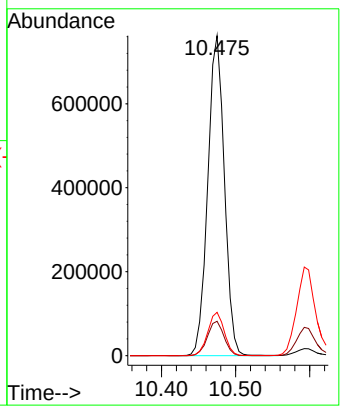





#31
Naphthalene
Concen: 42.522 ng
RT: 10.475 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:128 Resp: 118576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.8 | 13.2 |
| 127 | 13.6 | 10.7 | 16.1 |

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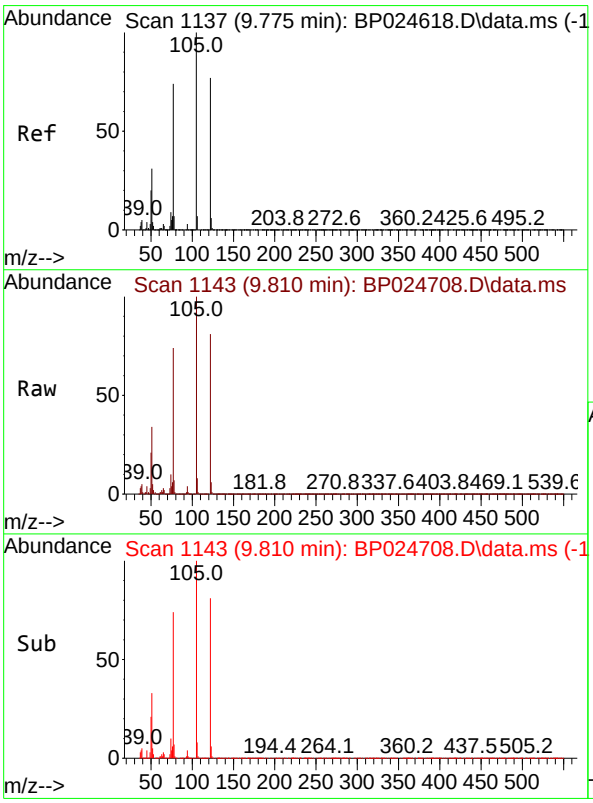
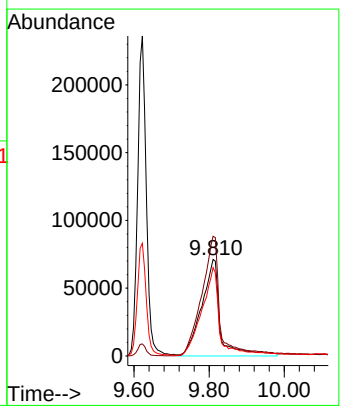
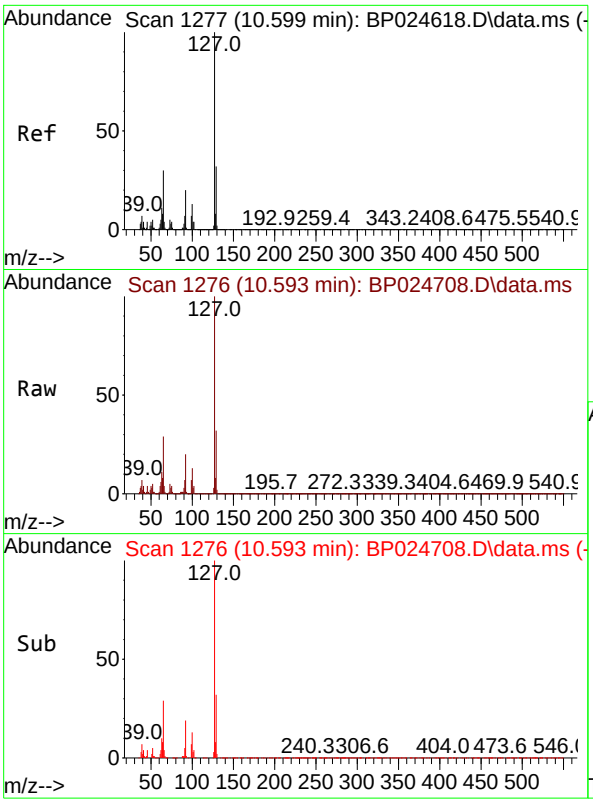



#32
Benzoic acid
Concen: 44.302 ng m
RT: 9.810 min Scan# 1143
Delta R.T. 0.035 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:122 Resp: 245894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.0 | 106.9 | 146.9 |
| 77 | 91.6 | 75.1 | 115.1 |

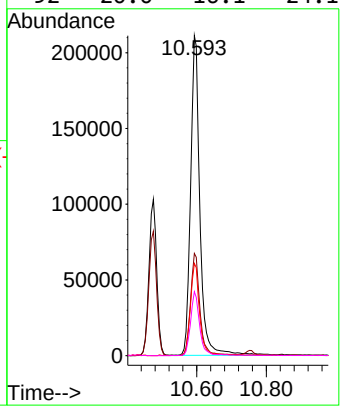





#33
4-Chloroaniline
Concen: 34.925 ng
RT: 10.593 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:127 Resp: 39300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.0 | 25.8 | 38.6 |
| 65 | 28.8 | 23.9 | 35.9 |
| 92 | 20.0 | 16.1 | 24.1 |

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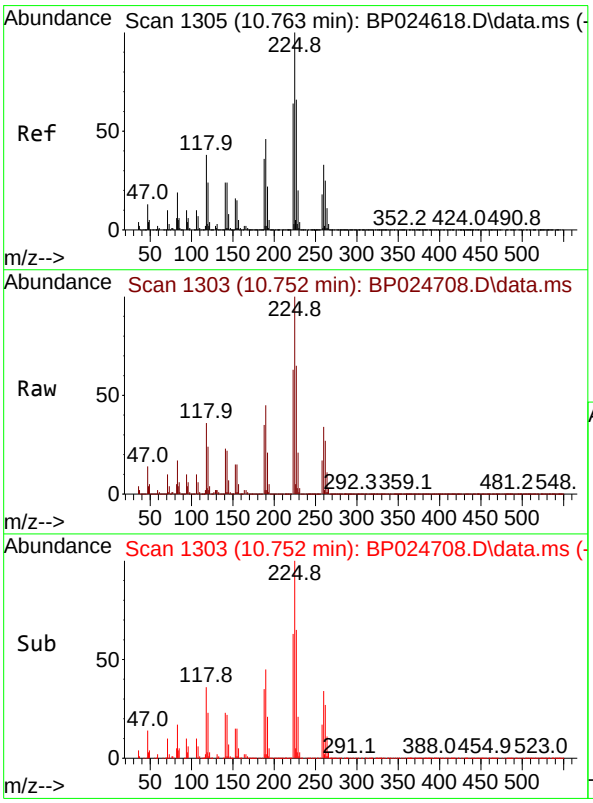
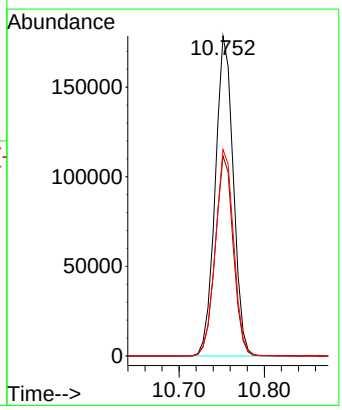
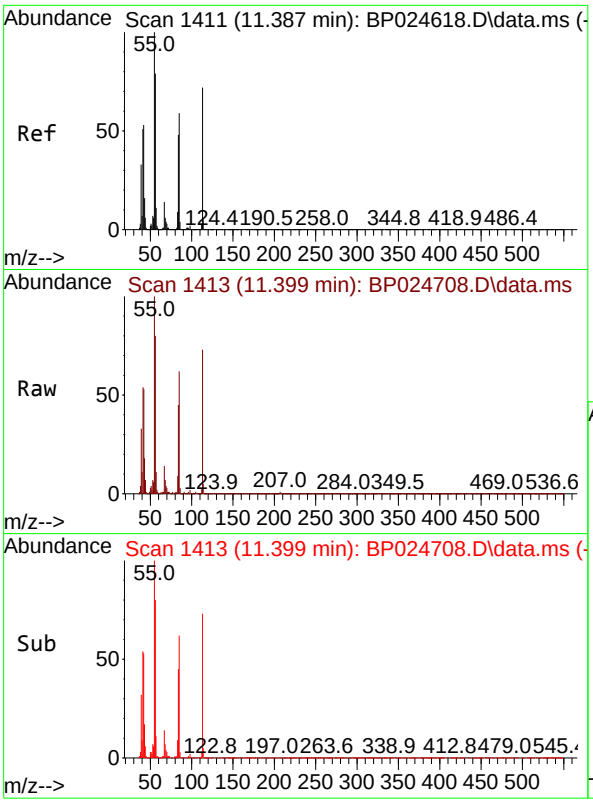



#34
Hexachlorobutadiene
Concen: 45.836 ng
RT: 10.752 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:225 Resp: 262558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.5 | 51.0 | 76.6 |
| 227 | 64.5 | 53.1 | 79.7 |






#35
Caprolactam
Concen: 43.305 ng
RT: 11.399 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:113 Resp: 12294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 137.2 | 119.0 | 159.0 |
| 56 | 109.9 | 90.3 | 130.3 |

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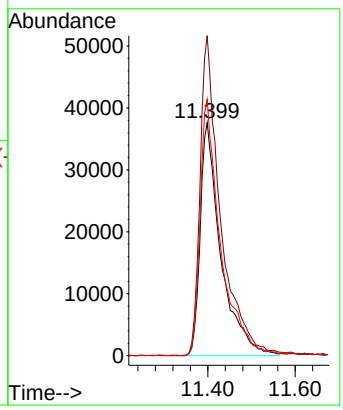
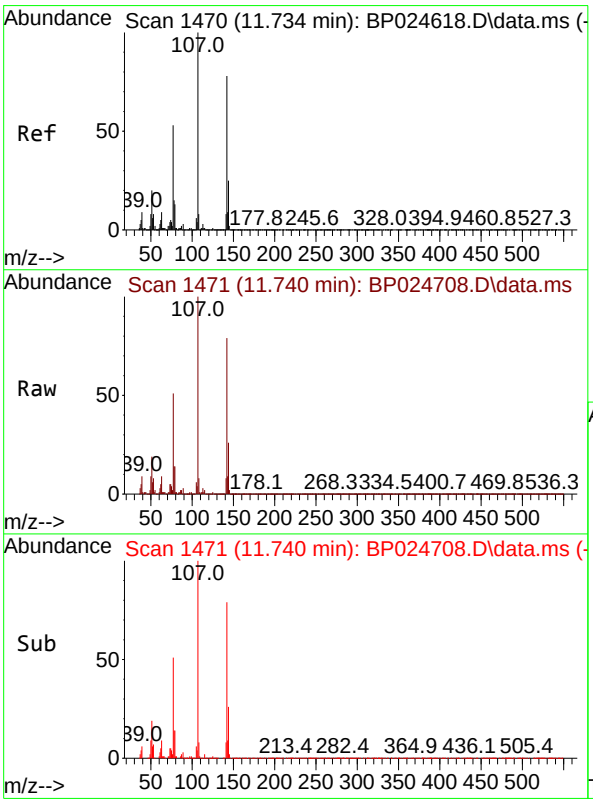
Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

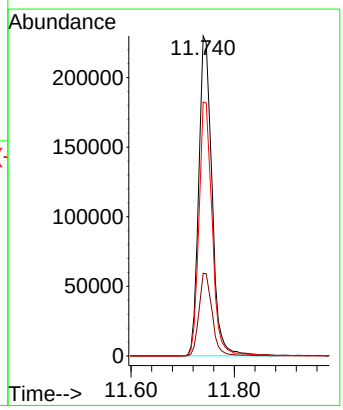


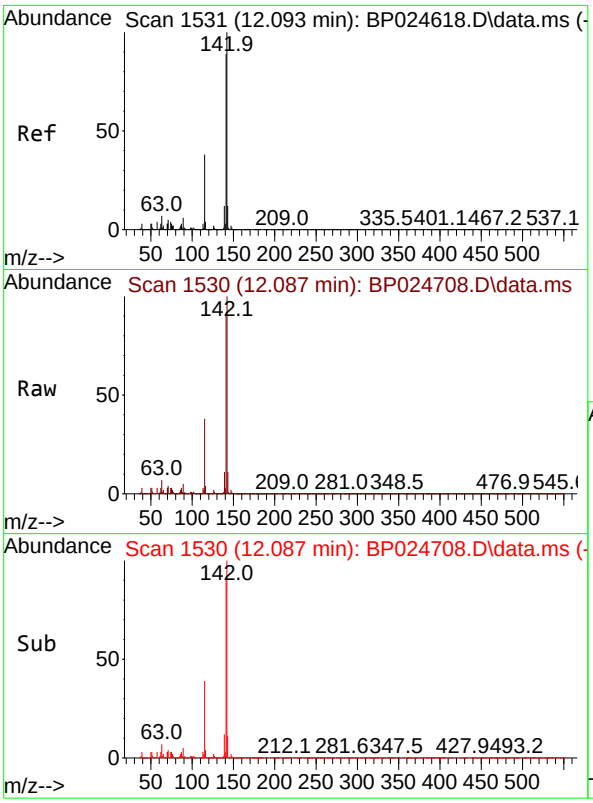




#36
4-Chloro-3-methylphenol
Concen: 42.794 ng
RT: 11.740 min Scan# 1471
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:107 Resp: 409493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.9 | 20.1 | 30.1 |
| 142 | 79.3 | 62.1 | 93.1 |

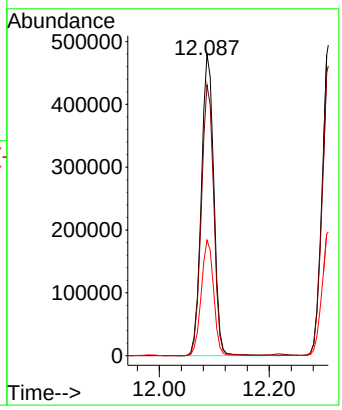





#37
2-Methylnaphthalene
Concen: 41.862 ng
RT: 12.087 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:142 Resp: 75588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.8 | 71.2 | 106.8 |
| 115 | 38.3 | 30.6 | 46.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

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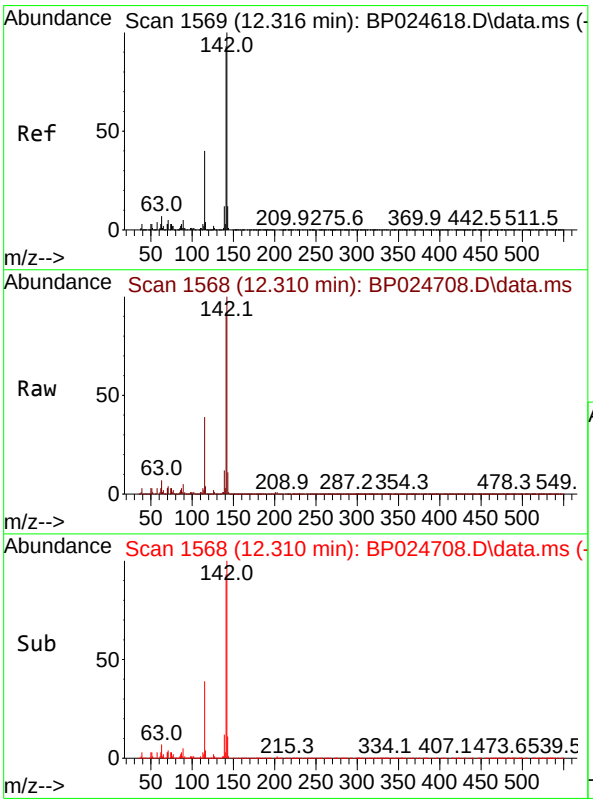
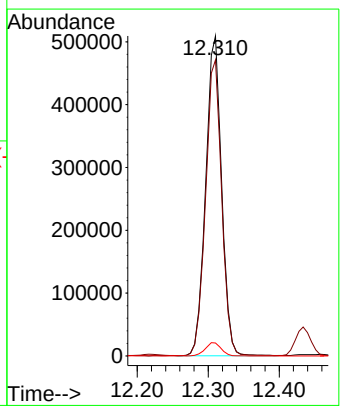
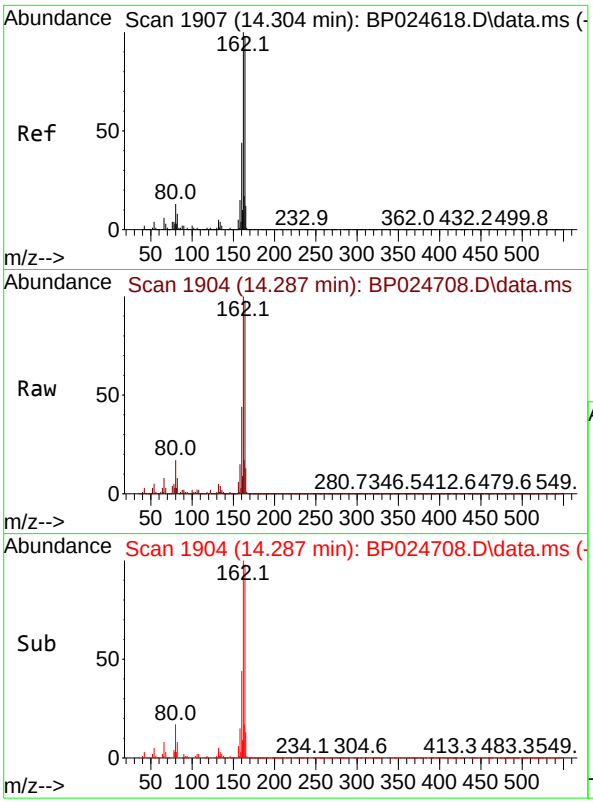



#38
1-Methylnaphthalene
Concen: 41.005 ng
RT: 12.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:142 Resp: 792211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.5 | 74.7 | 112.1 |
| 116 | 4.1 | 3.4 | 5.2 |

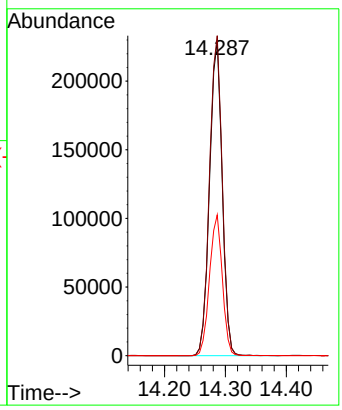





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:164 Resp: 32971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.7 | 81.8 | 122.6 |
| 160 | 44.7 | 36.3 | 54.5 |




**Instrument :**
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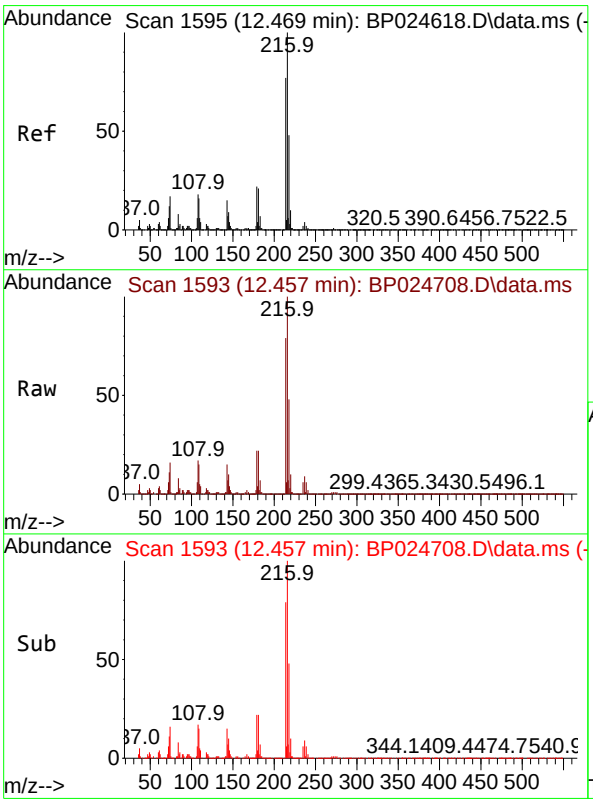
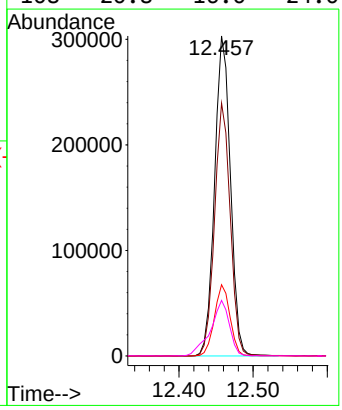
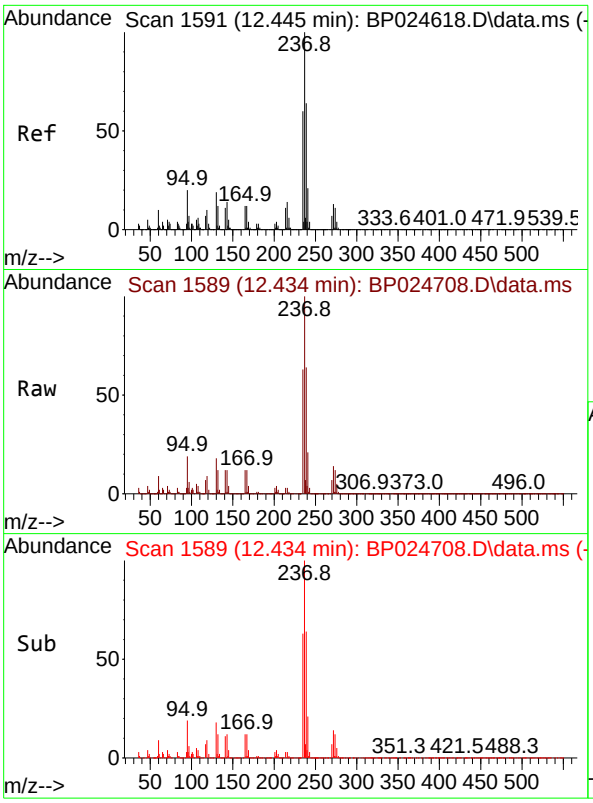



#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.016 ng
RT: 12.457 min Scan# 1593
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:216 Resp: 450159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.4 | 62.3 | 93.5 |
| 179 | 22.0 | 17.7 | 26.5 |
| 108 | 20.8 | 16.0 | 24.0 |

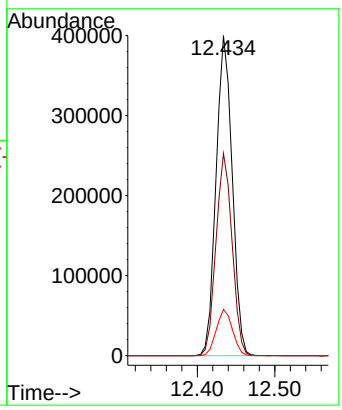





#41
Hexachlorocyclopentadiene
Concen: 99.710 ng
RT: 12.434 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:237 Resp: 57888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.2 | 39.9 | 79.9 |
| 272 | 14.4 | 0.0 | 33.2 |




**Instrument :**
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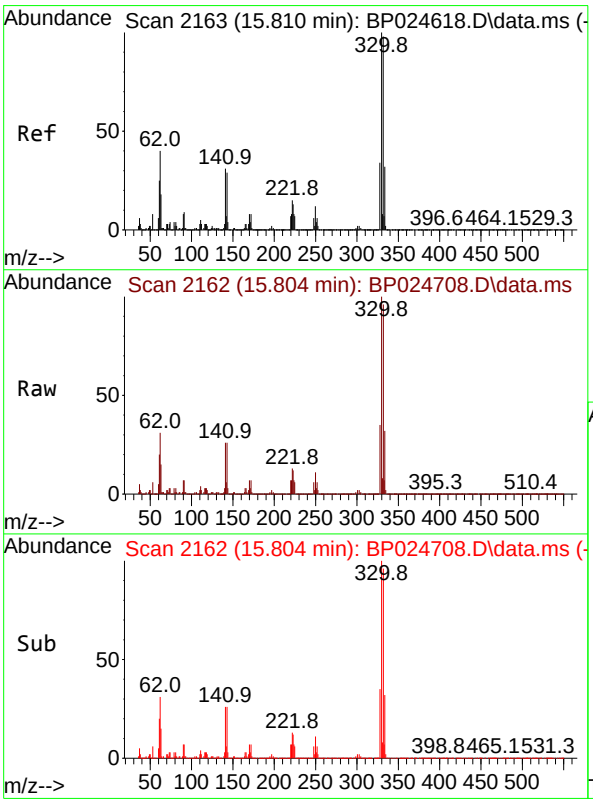
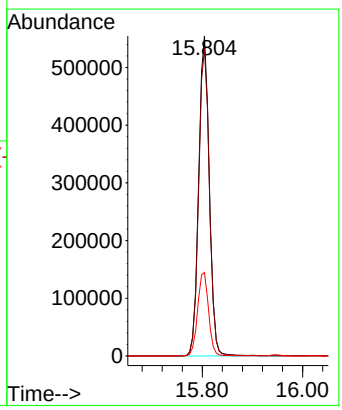
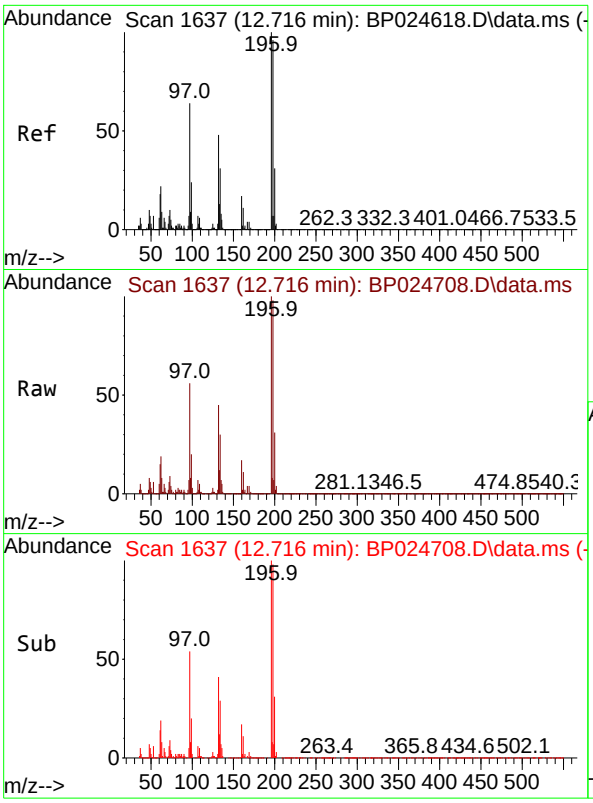



#42
2,4,6-Tribromophenol
Concen: 146.094 ng
RT: 15.804 min Scan# 2162
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:330 Resp: 816620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.6 | 78.2 | 117.4 |
| 141 | 26.8 | 24.3 | 36.5 |

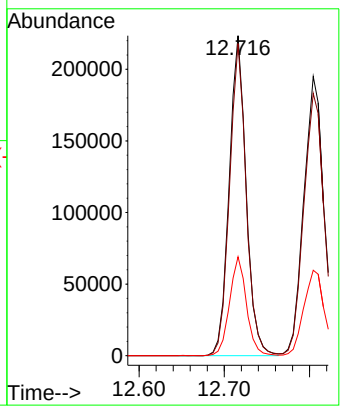





#43
2,4,6-Trichlorophenol
Concen: 49.774 ng
RT: 12.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:196 Resp: 30867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 97.6 | 76.9 | 115.3 |
| 200 | 30.9 | 25.2 | 37.8 |




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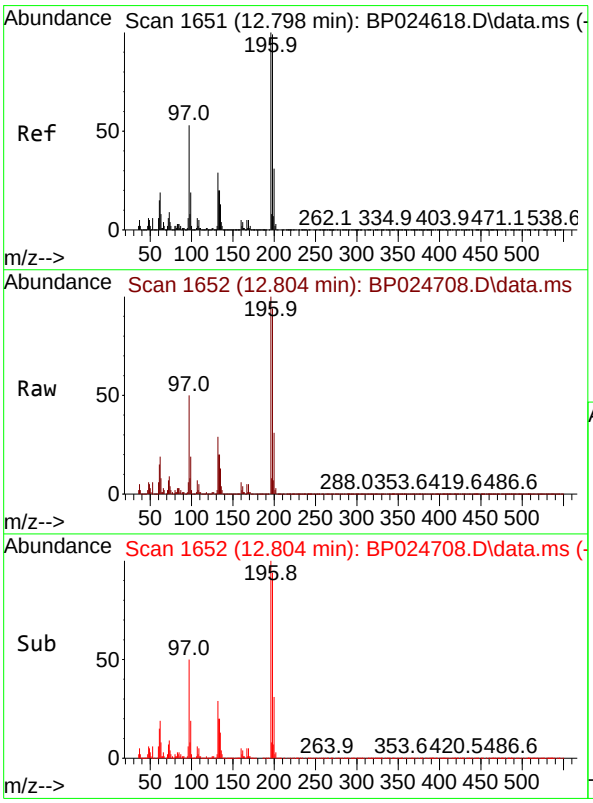
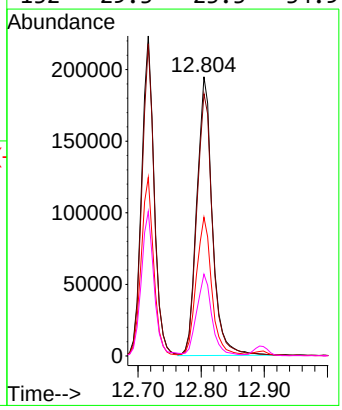
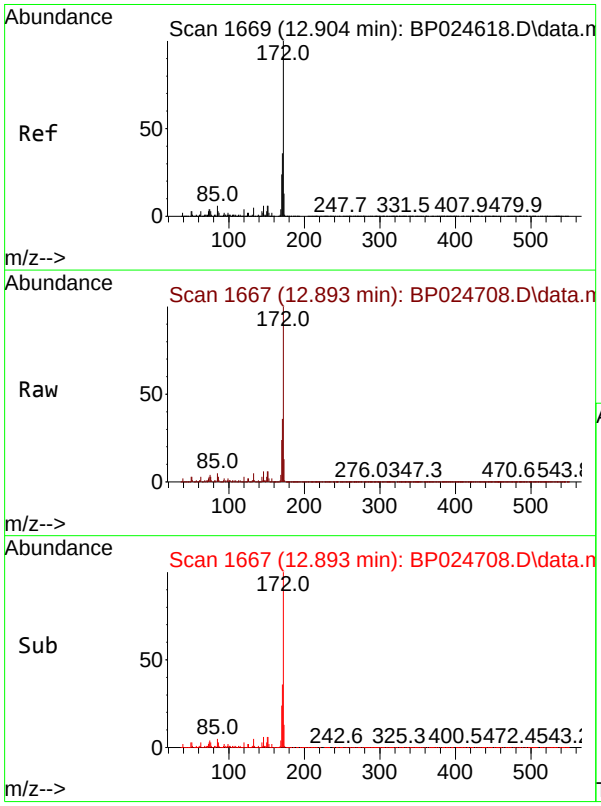



#44
2,4,5-Trichlorophenol
Concen: 48.366 ng
RT: 12.804 min Scan# 1652
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:196 Resp: 333877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 93.9 | 79.2 | 118.8 |
| 97 | 49.7 | 42.3 | 63.5 |
| 132 | 29.3 | 23.3 | 34.9 |

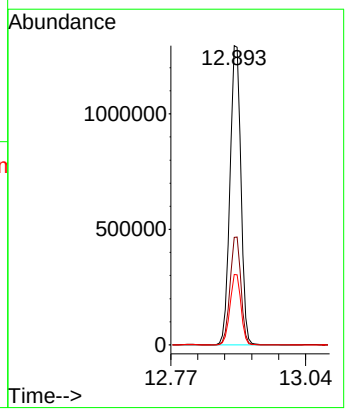





#45
2-Fluorobiphenyl
Concen: 78.074 ng
RT: 12.893 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:172 Resp: 196488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.9 | 28.8 | 43.2 |
| 170 | 23.5 | 18.8 | 28.2 |




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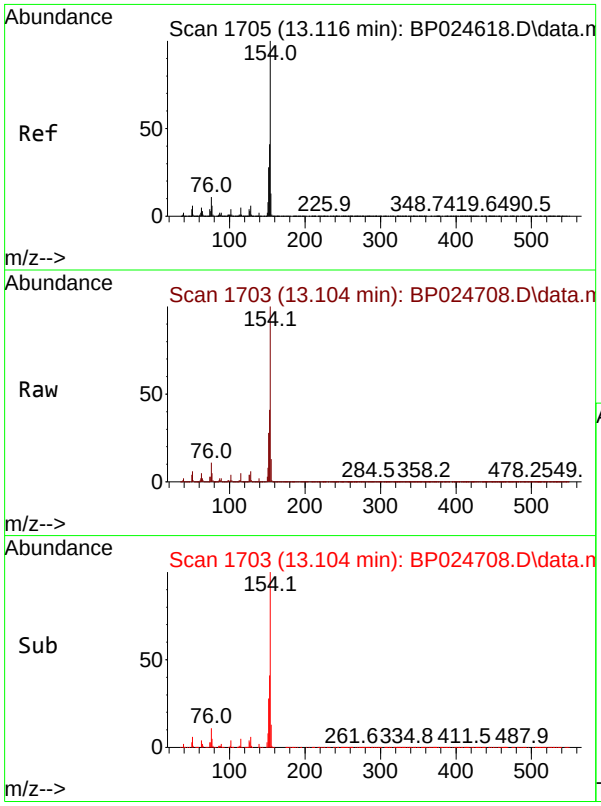
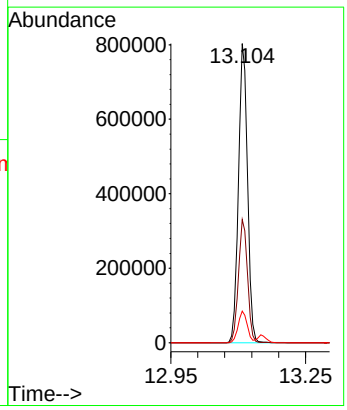
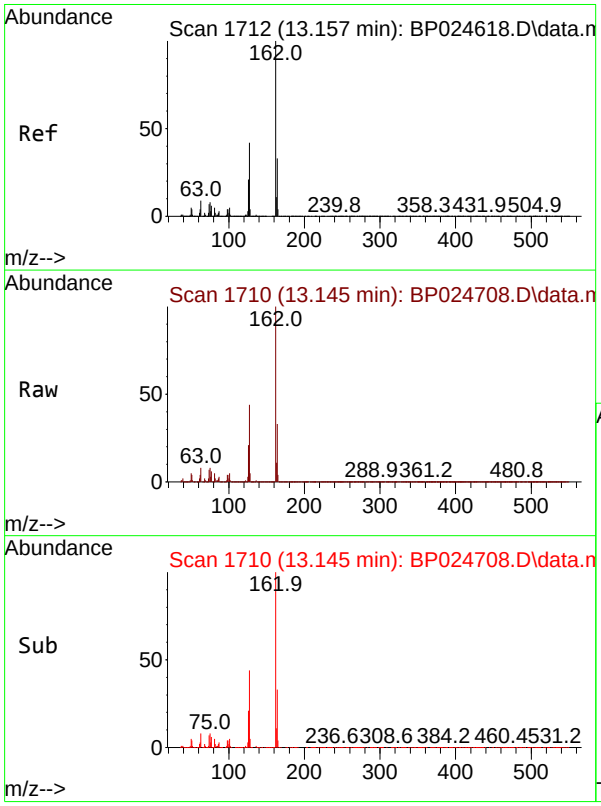



#46
1,1'-Biphenyl
Concen: 45.948 ng
RT: 13.104 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:154 Resp: 1119732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.2 | 21.0 | 61.0 |
| 76 | 10.6 | 0.0 | 31.5 |

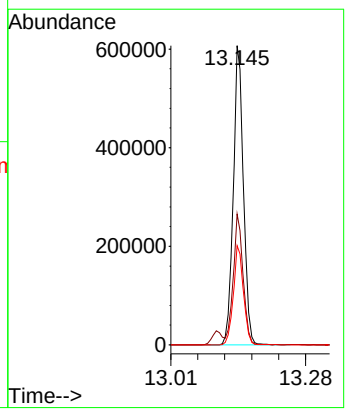





#47
2-Chloronaphthalene
Concen: 46.157 ng
RT: 13.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:162 Resp: 85765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.8 | 33.8 | 50.6 |
| 164 | 33.2 | 26.0 | 39.0 |




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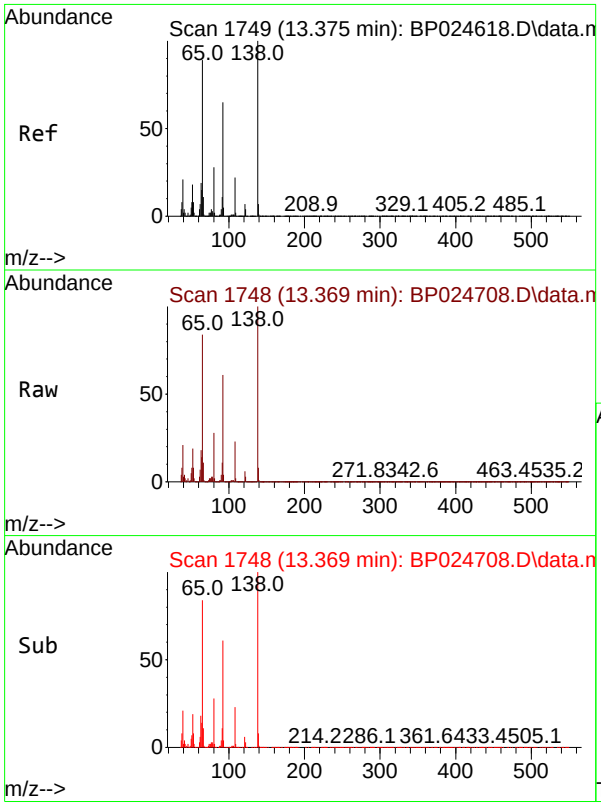
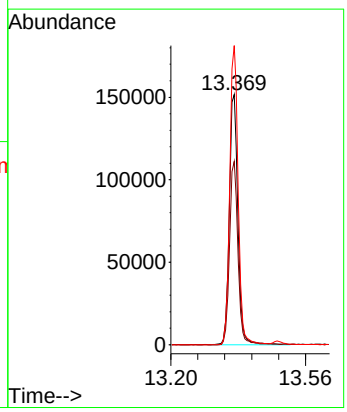
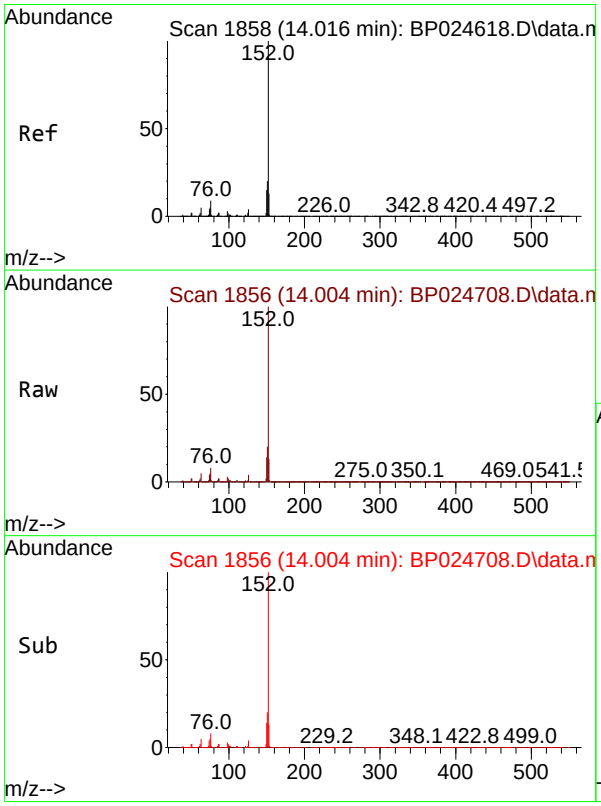



#48
2-Nitroaniline
Concen: 45.061 ng
RT: 13.369 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 65 Resp: 247888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 73.3 | 58.7 | 88.1 |
| 138 | 119.6 | 90.2 | 135.2 |

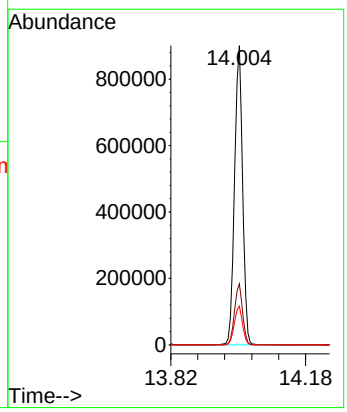





#49
Acenaphthylene
Concen: 43.666 ng
RT: 14.004 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:152 Resp: 135782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.5 | 16.2 | 24.4 |
| 153 | 13.0 | 10.2 | 15.4 |




**Instrument :**
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PB168048BSD

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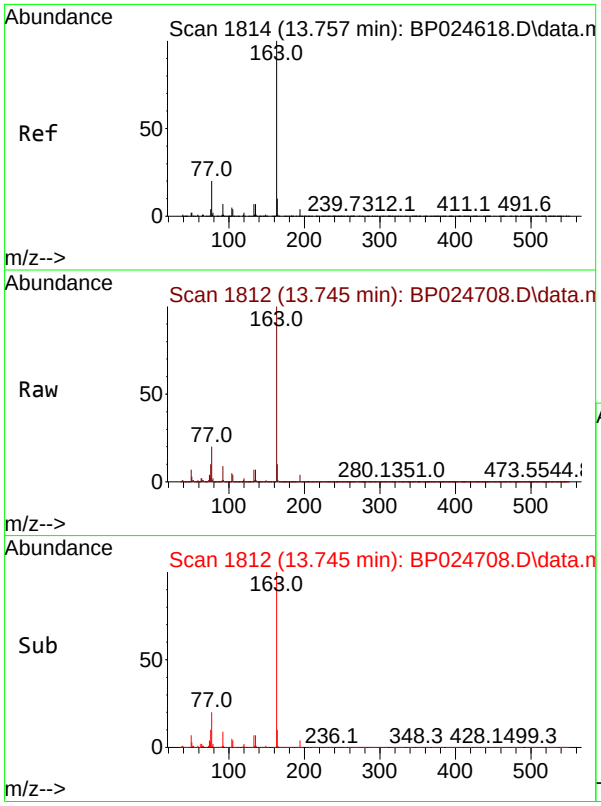
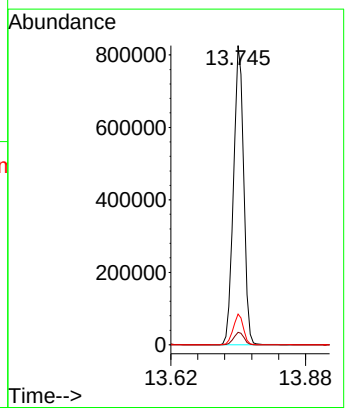
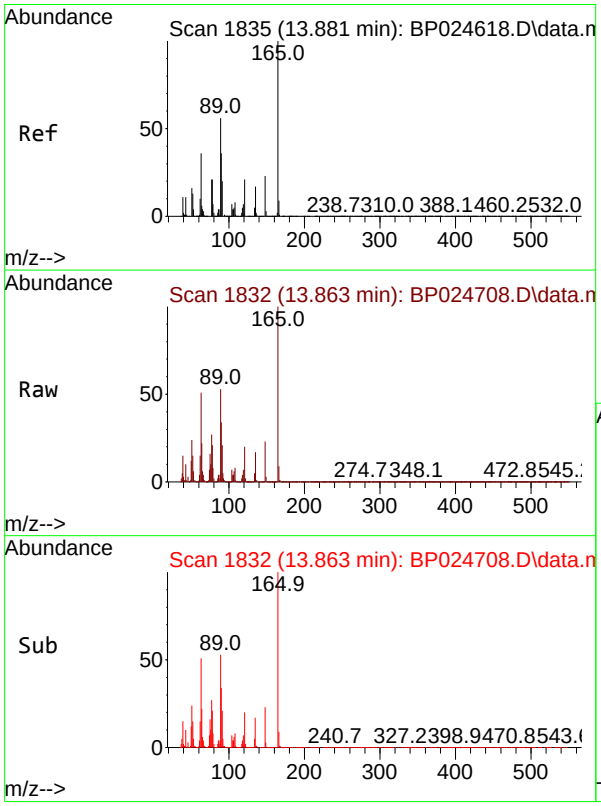



#50
Dimethylphthalate
Concen: 44.835 ng
RT: 13.745 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:163 Resp: 1126770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.4 | 5.0 |
| 164 | 10.2 | 8.1 | 12.1 |






#51
2,6-Dinitrotoluene
Concen: 45.757 ng
RT: 13.863 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:165 Resp: 24285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 50.6 | 42.4 | 63.6 |
| 89 | 53.2 | 44.8 | 67.2 |

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

**Manual Integrations**
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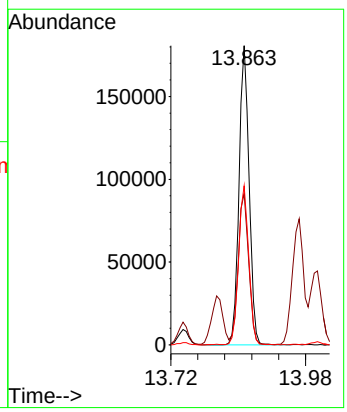
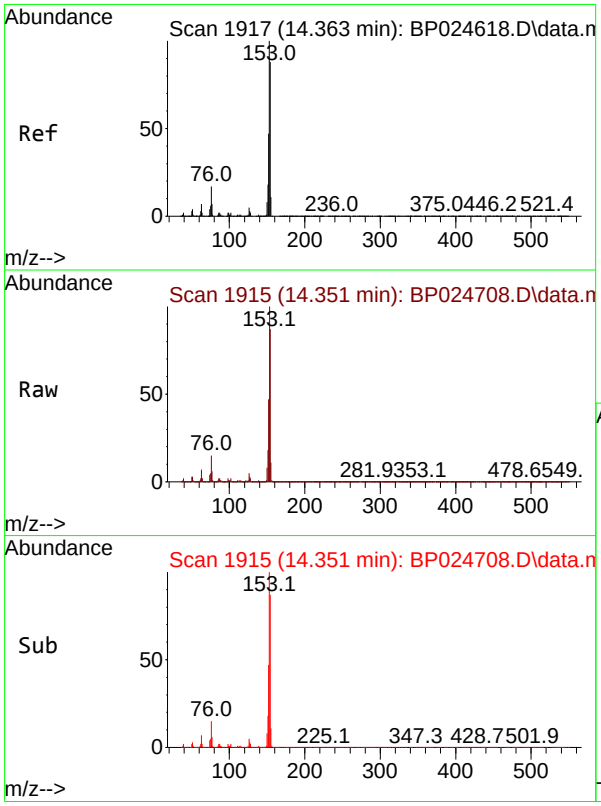
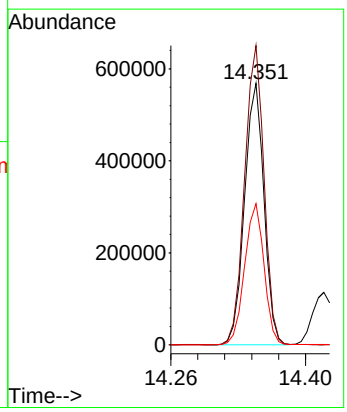


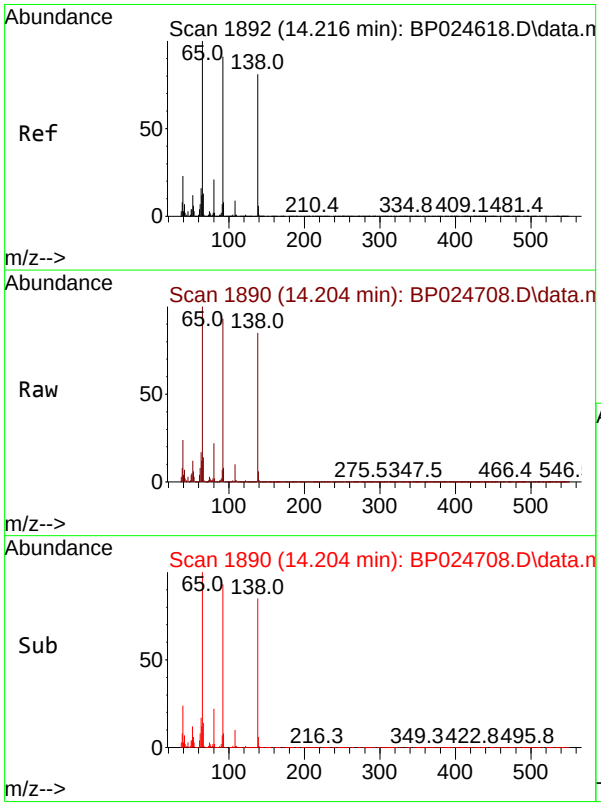




#52
Acenaphthene
Concen: 44.519 ng
RT: 14.351 min Scan# 1915
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:154 Resp: 795831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 114.5 | 91.0 | 136.4 |
| 152 | 54.0 | 42.9 | 64.3 |






#53
3-Nitroaniline
Concen: 37.085 ng
RT: 14.204 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

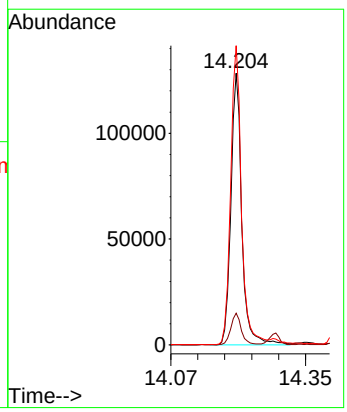
Tgt Ion:138 Resp: 20098

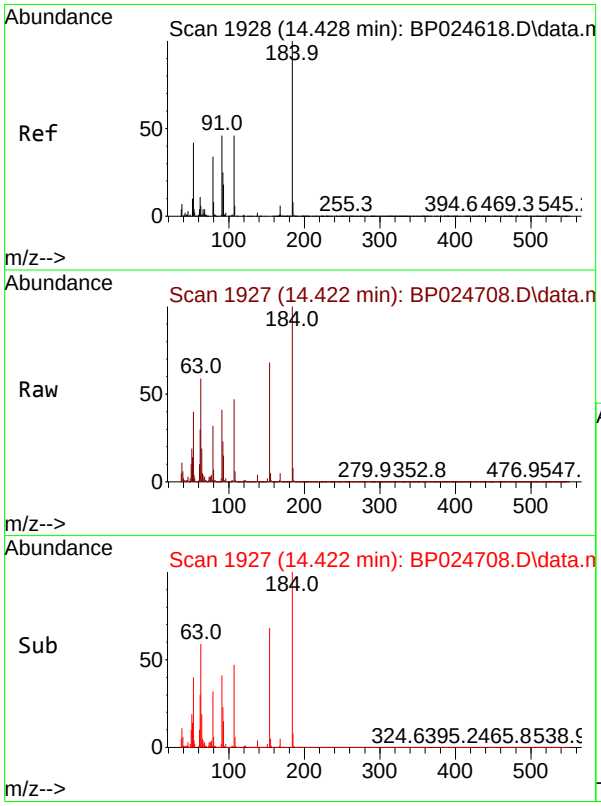
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.6 | 9.0 | 13.4 |
| 92 | 110.2 | 90.1 | 135.1 |

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

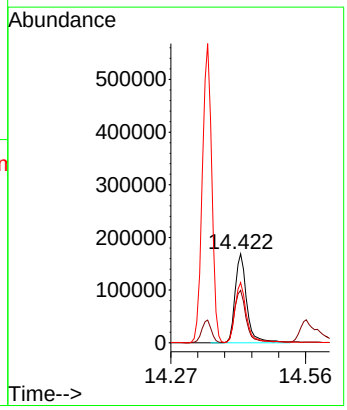


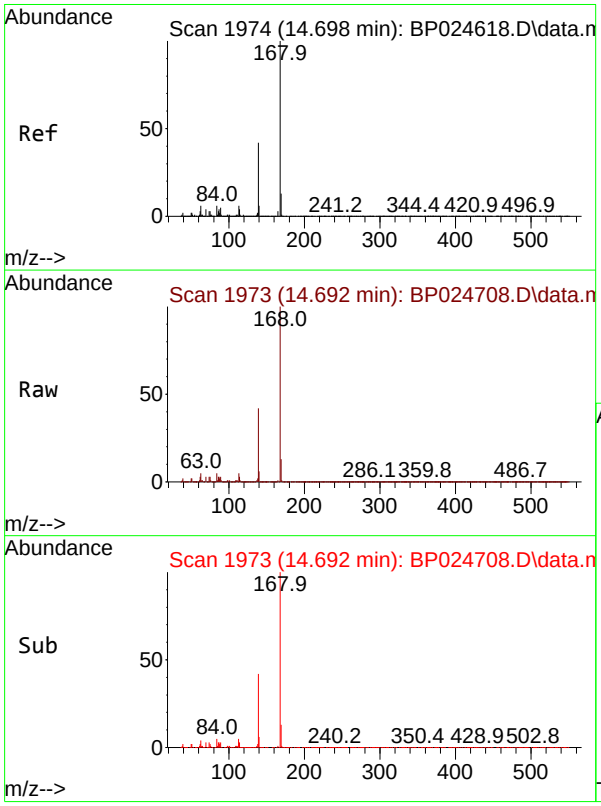




#54
2,4-Dinitrophenol
Concen: 86.708 ng
RT: 14.422 min Scan# 1927
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:184 Resp: 292154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 59.0 | 51.3 | 76.9 |
| 154 | 67.5 | 53.5 | 80.3 |

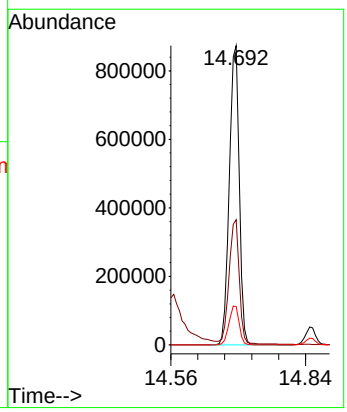





#55
Dibenzofuran
Concen: 43.677 ng
RT: 14.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:168 Resp: 124538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.8 | 34.2 | 51.4 |
| 169 | 12.8 | 10.8 | 16.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

**Manual Integrations**
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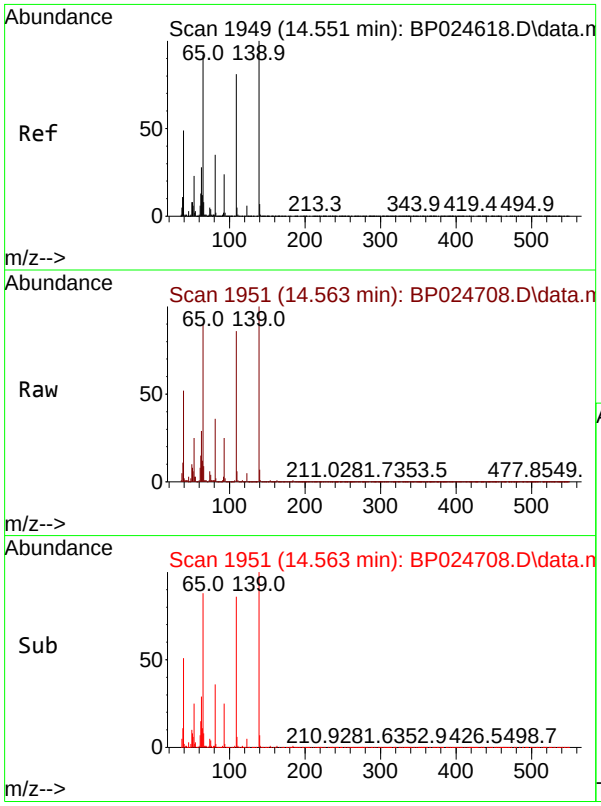
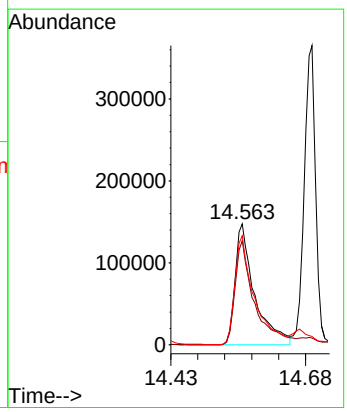
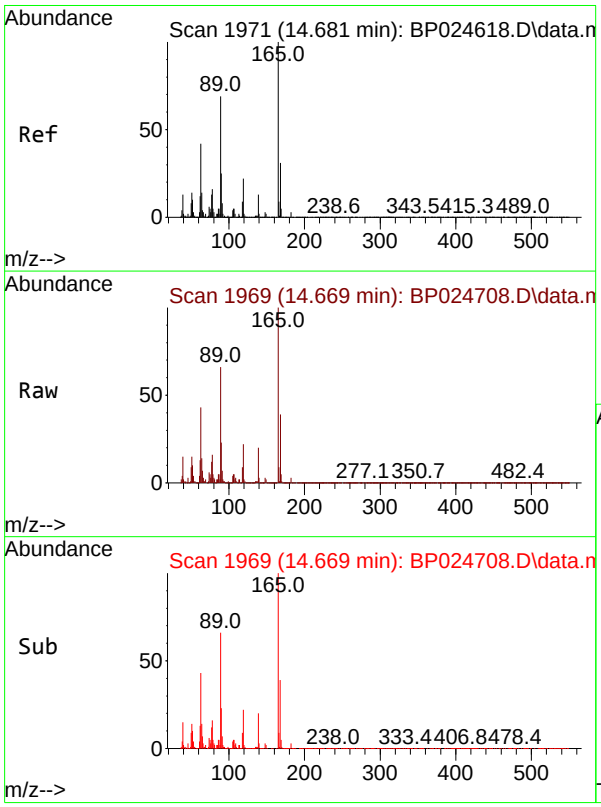



#56
4-Nitrophenol
Concen: 78.370 ng
RT: 14.563 min Scan# 1951
Delta R.T. 0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:139 Resp: 367273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 85.9 | 61.4 | 101.4 |
| 65 | 90.2 | 72.2 | 112.2 |

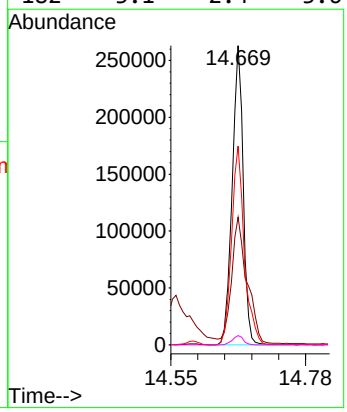





#57
2,4-Dinitrotoluene
Concen: 45.895 ng
RT: 14.669 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:165 Resp: 34341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 42.7 | 33.8 | 50.6 |
| 89 | 66.5 | 55.6 | 83.4 |
| 182 | 3.1 | 2.4 | 3.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

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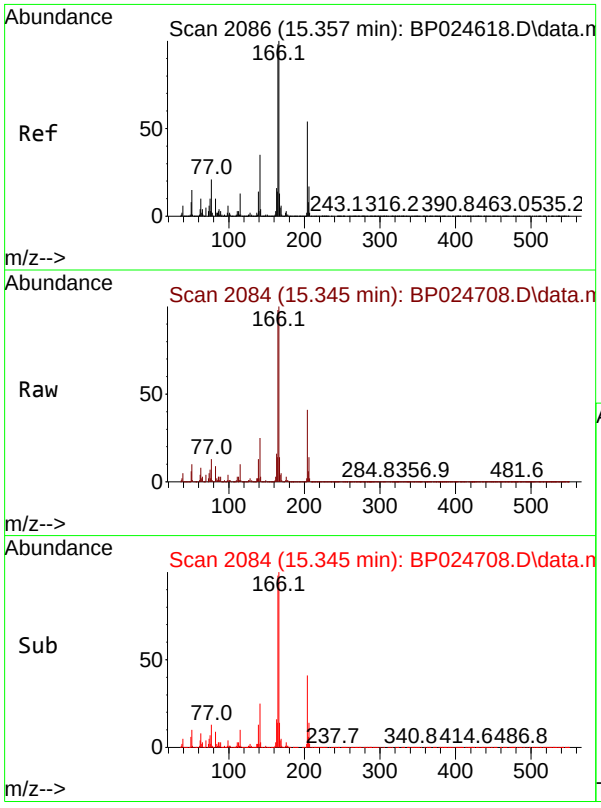
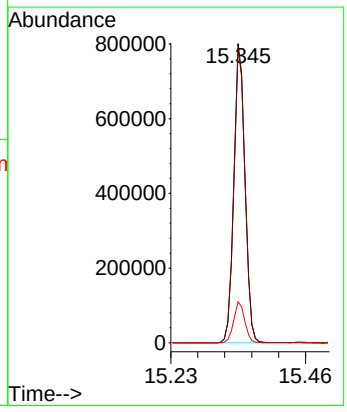
Supervised By :Jagrut Upadhyay 05/21/2025

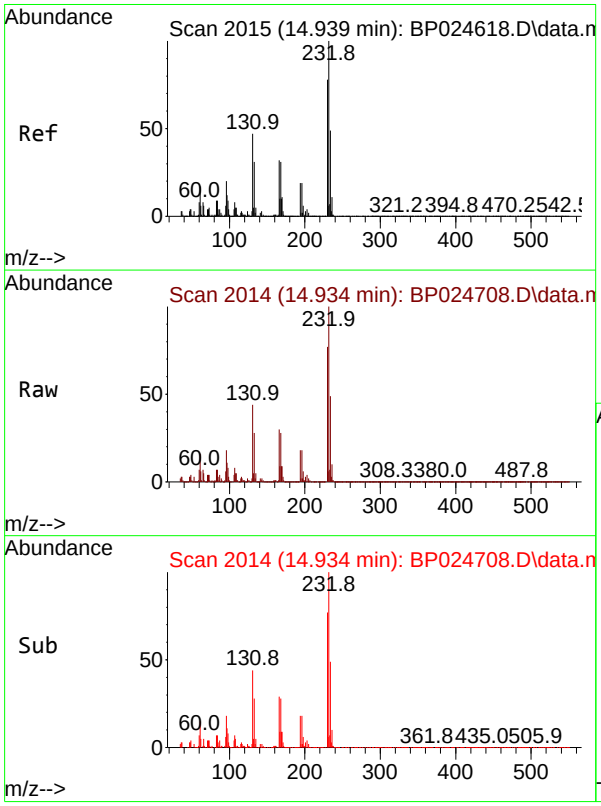



#58
Fluorene
Concen: 45.608 ng
RT: 15.345 min Scan# 2084
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:166 Resp: 1060372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.4 | 78.5 | 117.7 |
| 167 | 13.7 | 10.7 | 16.1 |

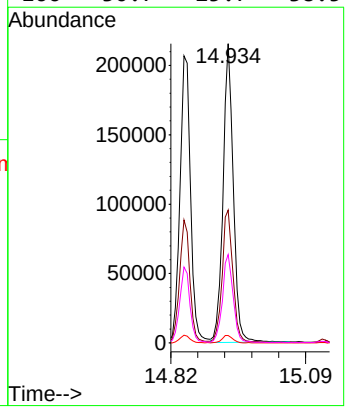





#59
2,3,4,6-Tetrachlorophenol
Concen: 47.983 ng
RT: 14.934 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:232 Resp: 30727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 47.1 | 39.5 | 59.3 |
| 130 | 2.6 | 2.2 | 3.4 |
| 166 | 30.7 | 25.7 | 38.5 |




**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

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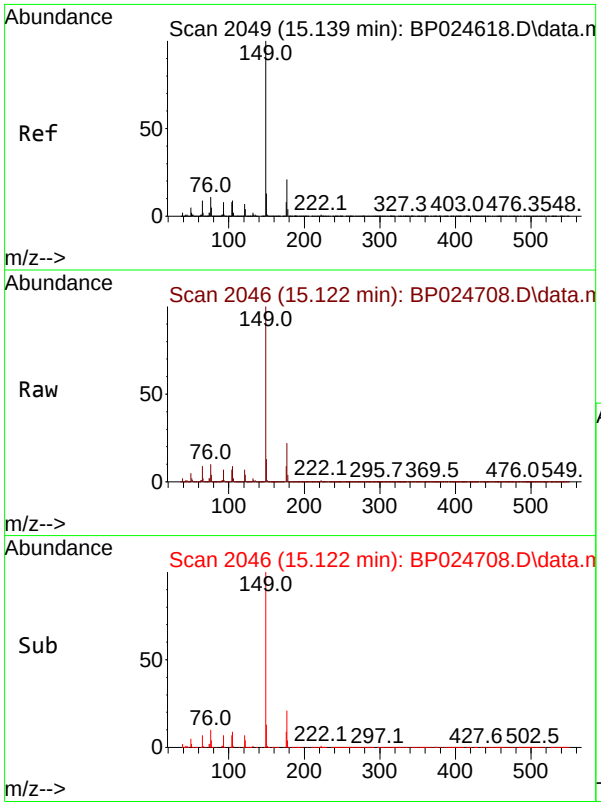
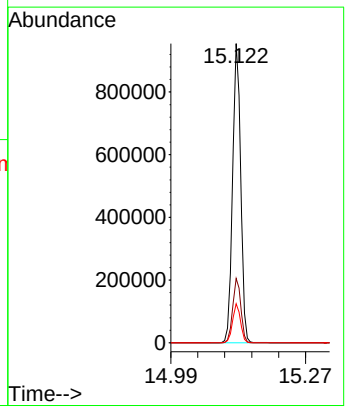
Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

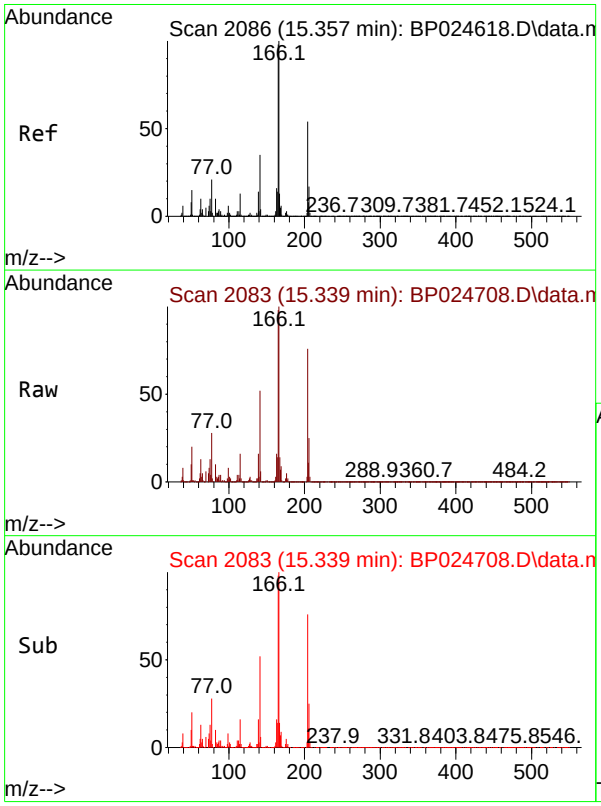



#60
Diethylphthalate
Concen: 44.119 ng
RT: 15.122 min Scan# 2046
Delta R.T. -0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:149 Resp: 1120632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.5 | 16.7 | 25.1 |
| 150 | 13.0 | 10.2 | 15.2 |






#61
4-Chlorophenyl-phenylether
Concen: 45.439 ng
RT: 15.339 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:204 Resp: 52685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.1 | 26.0 | 39.0 |
| 141 | 68.1 | 52.9 | 79.3 |

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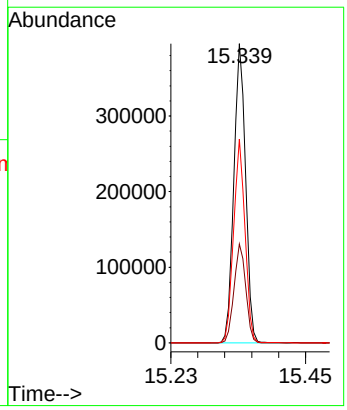
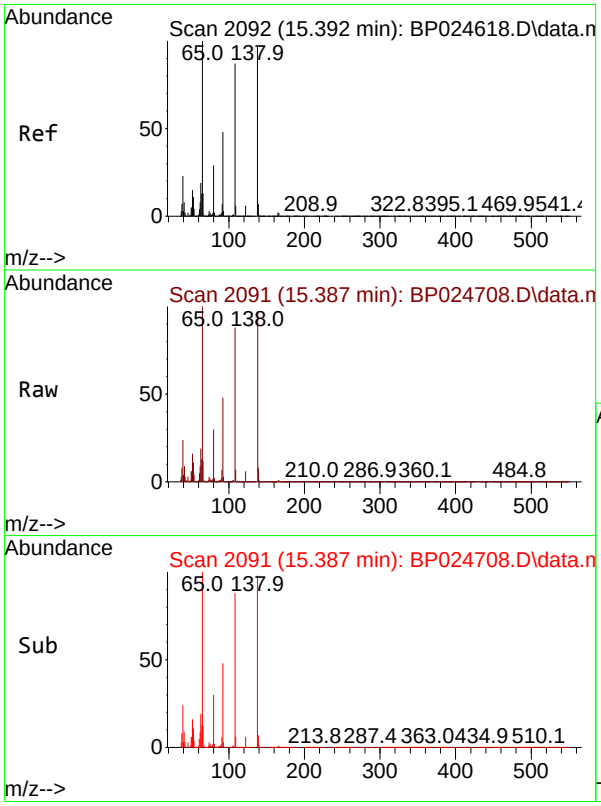
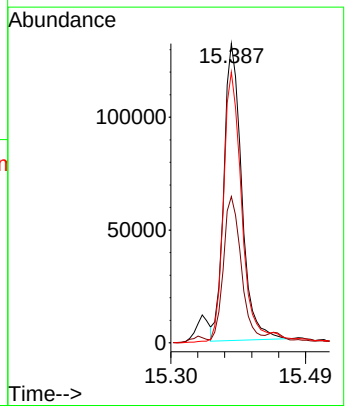


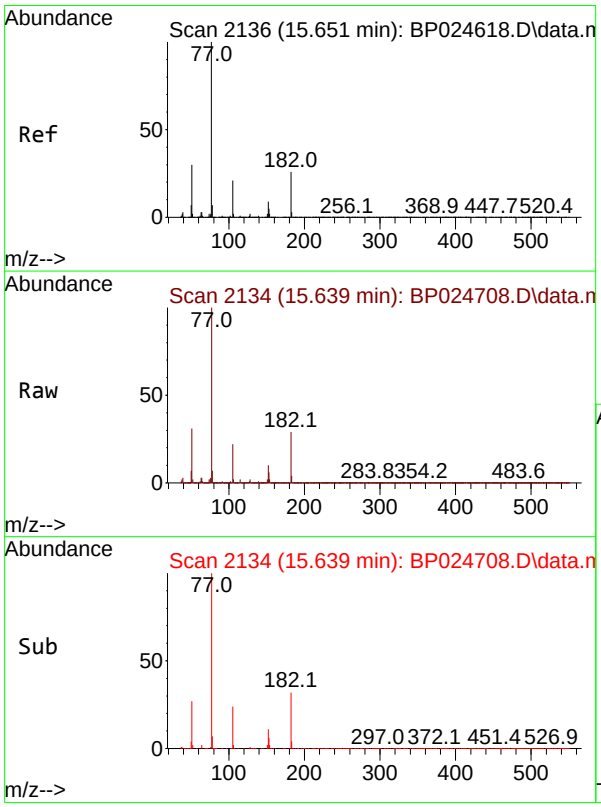




#62
4-Nitroaniline
Concen: 43.760 ng
RT: 15.387 min Scan# 2091
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:138 Resp: 228988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 48.9 | 29.2 | 69.2 |
| 108 | 90.5 | 69.0 | 109.0 |

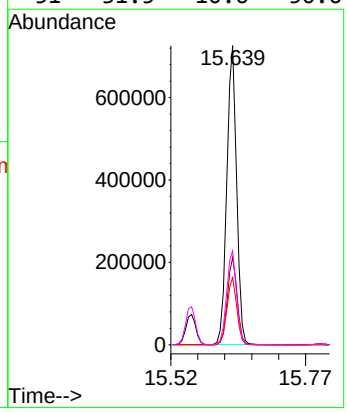





#63
Azobenzene
Concen: 42.749 ng
RT: 15.639 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 77 Resp: 92890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 29.2 | 5.7 | 45.7 |
| 105 | 22.5 | 1.3 | 41.3 |
| 51 | 31.5 | 10.6 | 50.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

**Manual Integrations**
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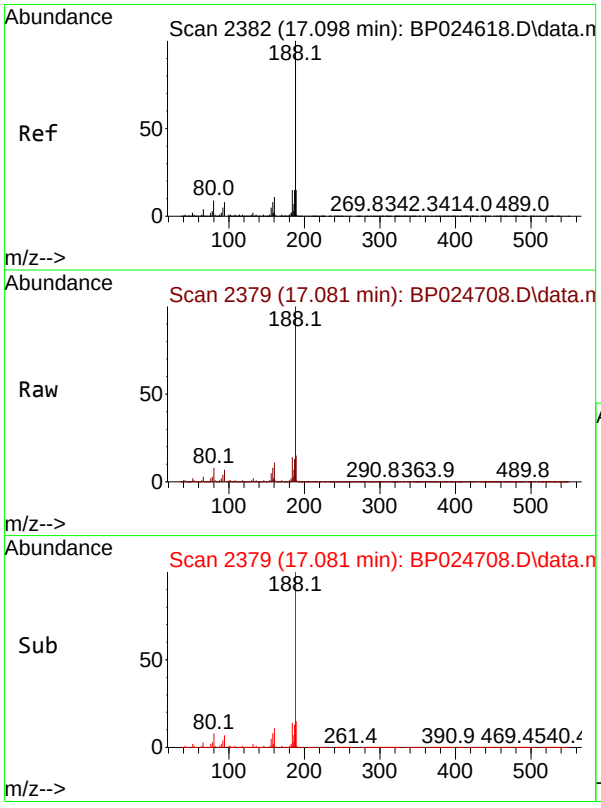
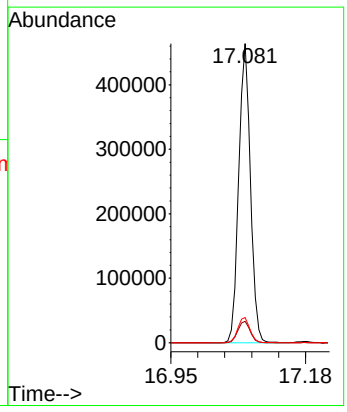
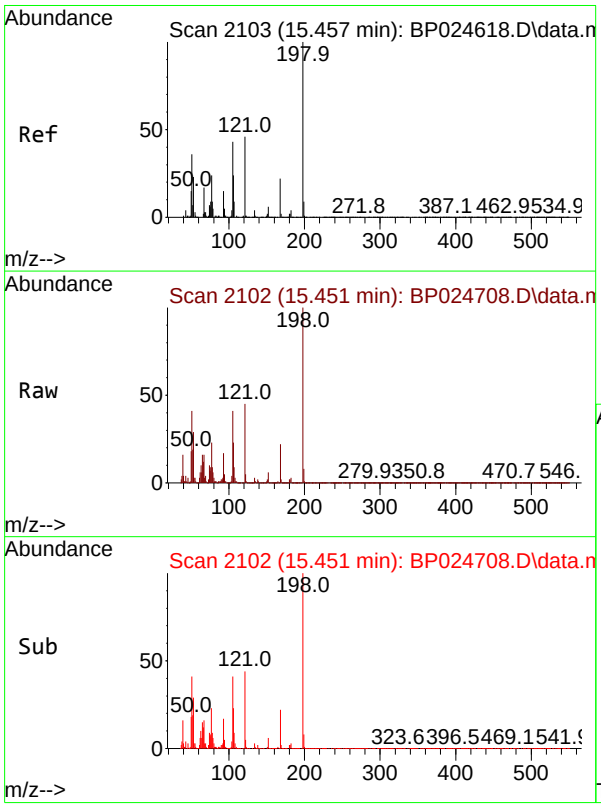



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.081 min Scan# 2379
Delta R.T. -0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:188 Resp: 642991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.2 | 6.5 | 9.7 |
| 80 | 8.5 | 7.3 | 10.9 |






#65
4,6-Dinitro-2-methylphenol
Concen: 49.028 ng
RT: 15.451 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:198 Resp: 20362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 41.0 | 21.1 | 61.1 |
| 105 | 41.4 | 23.6 | 63.6 |

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

**Manual Integrations**
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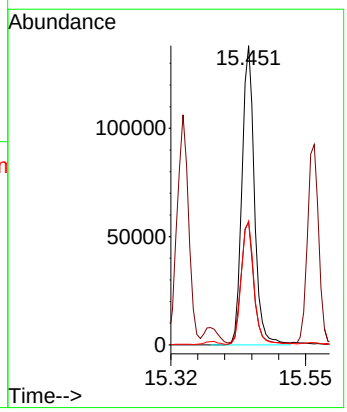
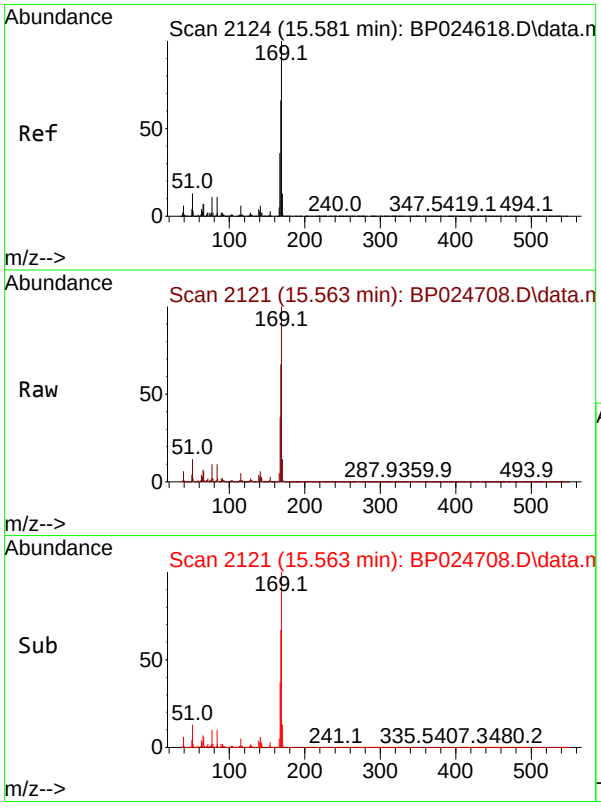
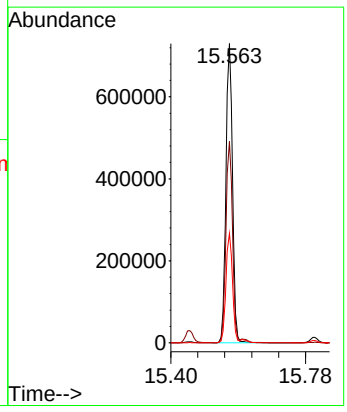


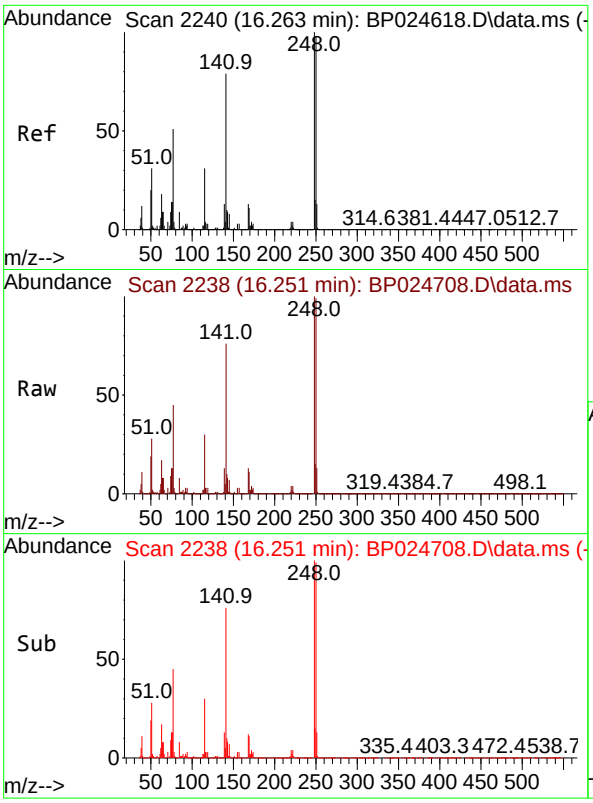




#66
n-Nitrosodiphenylamine
Concen: 47.509 ng
RT: 15.563 min Scan# 2121
Delta R.T. -0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:169 Resp: 938311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.2 | 53.2 | 79.8 |
| 167 | 36.6 | 28.6 | 43.0 |






#67
4-Bromophenyl-phenylether
Concen: 48.013 ng
RT: 16.251 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:248 Resp: 36378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 99.0 | 78.2 | 117.4 |
| 141 | 76.4 | 63.0 | 94.6 |

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

**Manual Integrations**
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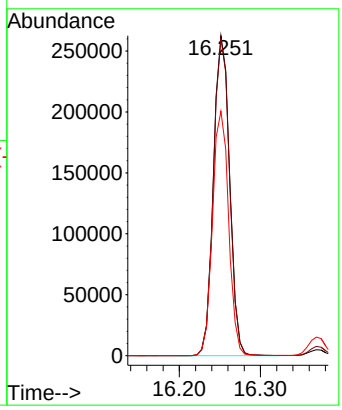
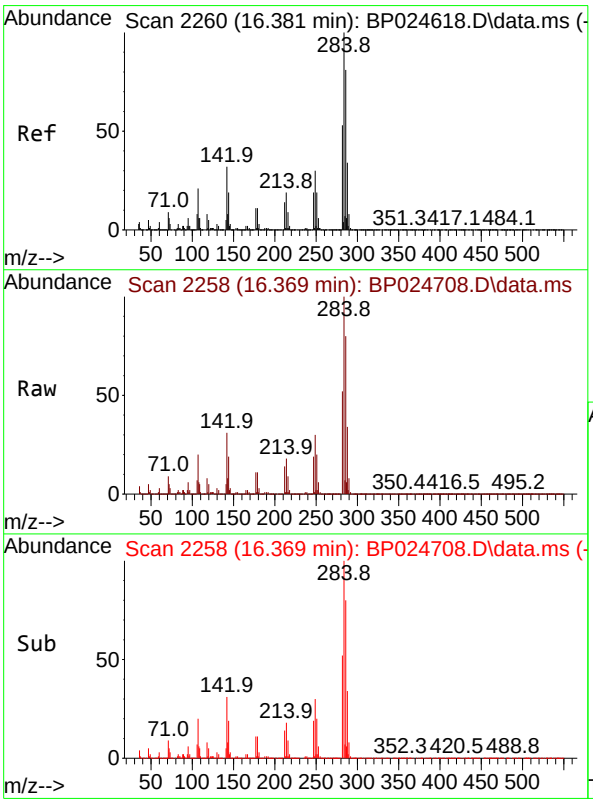
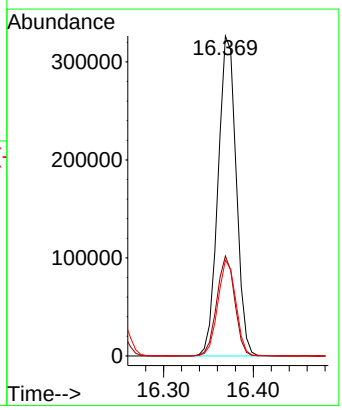


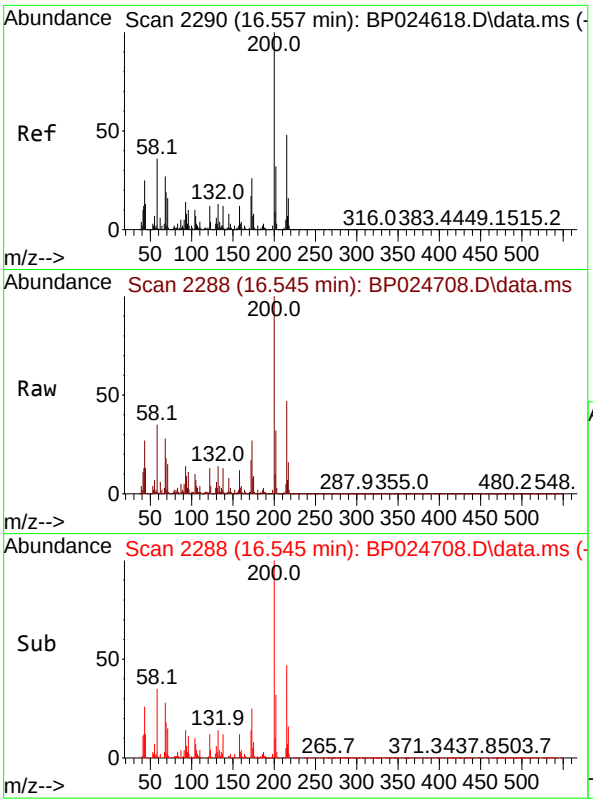




#68
Hexachlorobenzene
Concen: 47.591 ng
RT: 16.369 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:284 Resp: 458184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.3 | 25.9 | 38.9 |
| 249 | 29.9 | 24.1 | 36.1 |

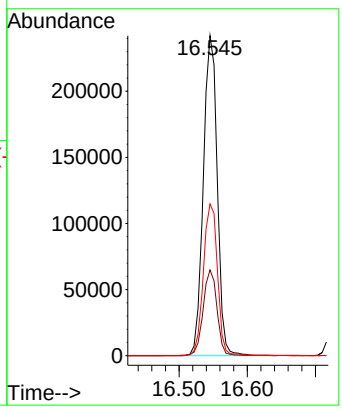





#69
Atrazine
Concen: 47.570 ng
RT: 16.545 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:200 Resp: 34430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.8 | 5.9 | 45.9 |
| 215 | 47.4 | 28.3 | 68.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

**Manual Integrations**
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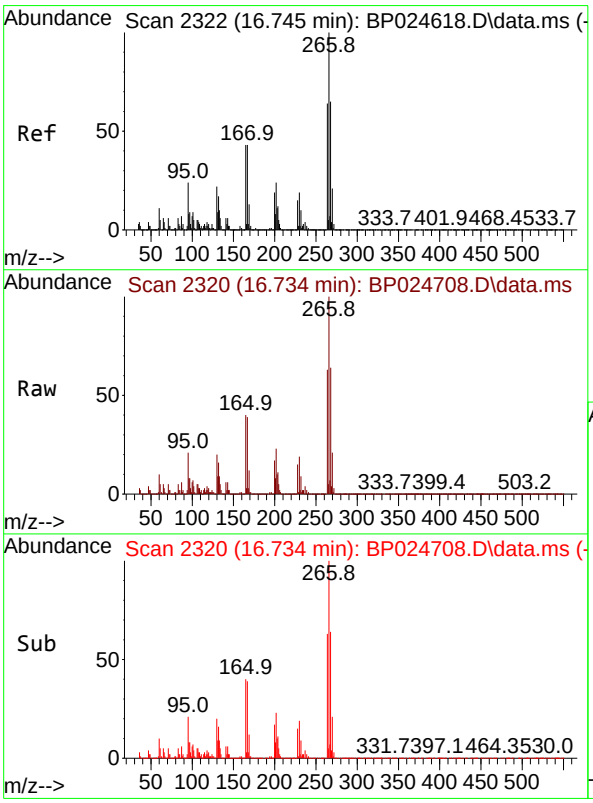
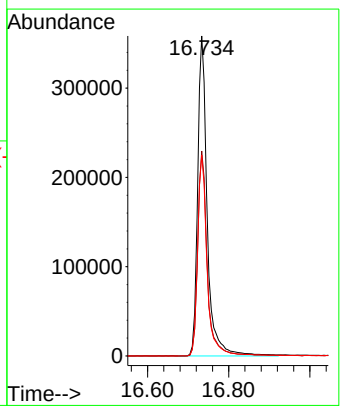
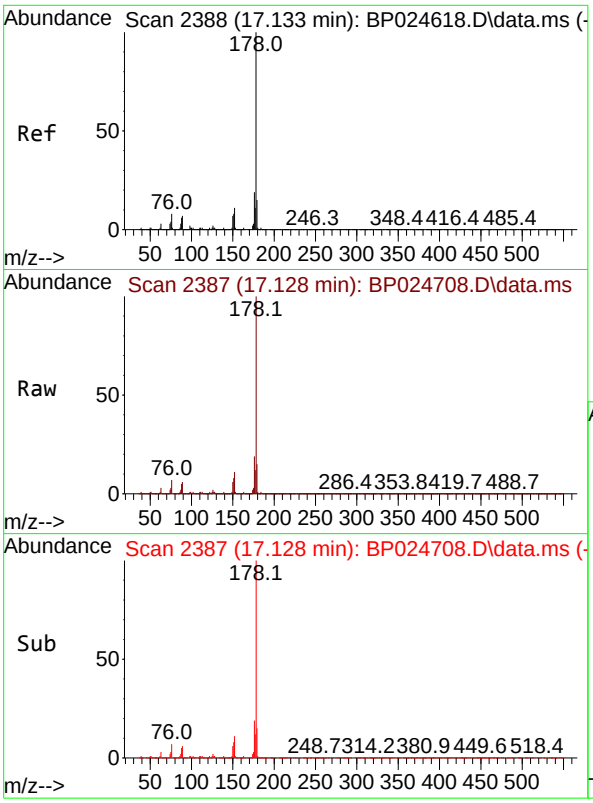



#70
Pentachlorophenol
Concen: 109.332 ng
RT: 16.734 min Scan# 2320
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:266 Resp: 590870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.1 | 52.2 | 78.4 |
| 264 | 62.8 | 51.1 | 76.7 |

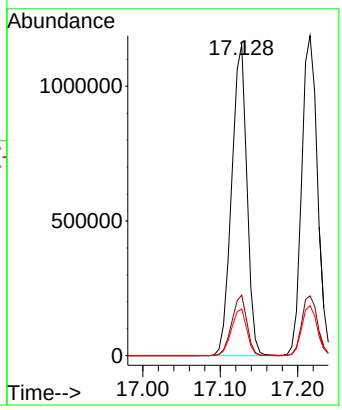





#71
Phenanthrene
Concen: 44.362 ng
RT: 17.128 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:178 Resp: 158572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 15.4 | 23.2 |
| 179 | 15.0 | 12.2 | 18.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

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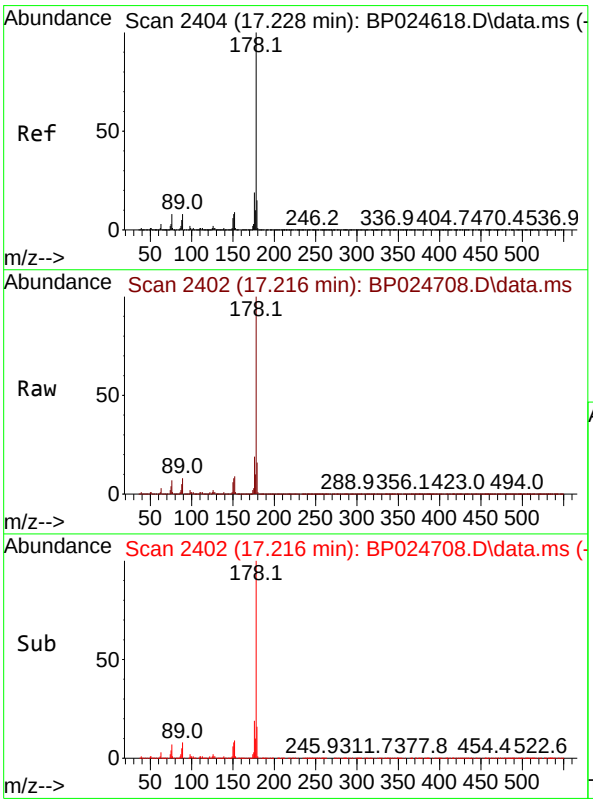
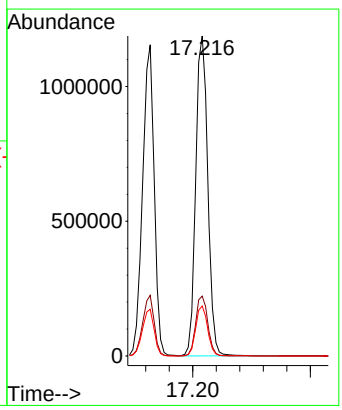
Supervised By :Jagrut Upadhyay 05/21/2025

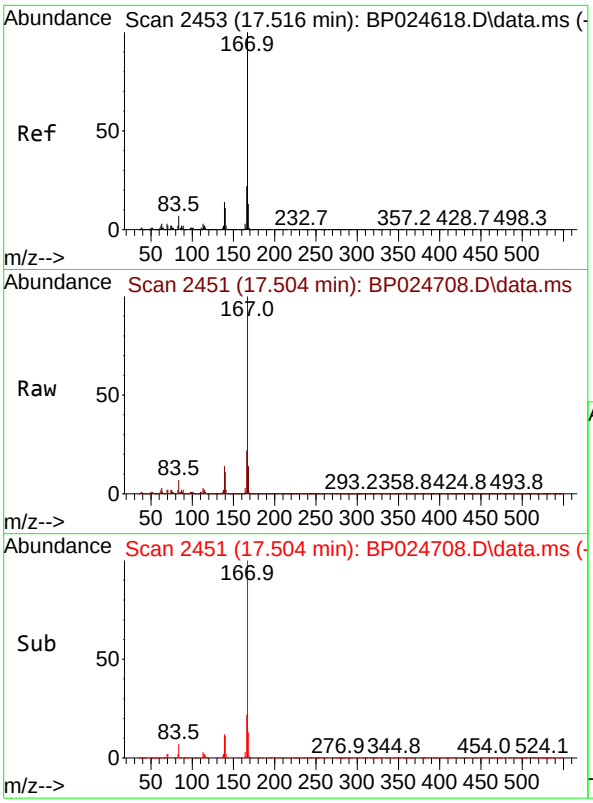



#72
Anthracene
Concen: 46.920 ng
RT: 17.216 min Scan# 2402
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:178 Resp: 1687384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.0 | 22.4 |
| 179 | 15.6 | 12.2 | 18.2 |

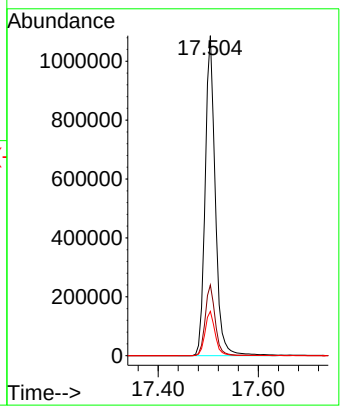





#73
Carbazole
Concen: 46.929 ng
RT: 17.504 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:167 Resp: 152755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.1 | 17.7 | 26.5 |
| 139 | 13.9 | 11.3 | 16.9 |




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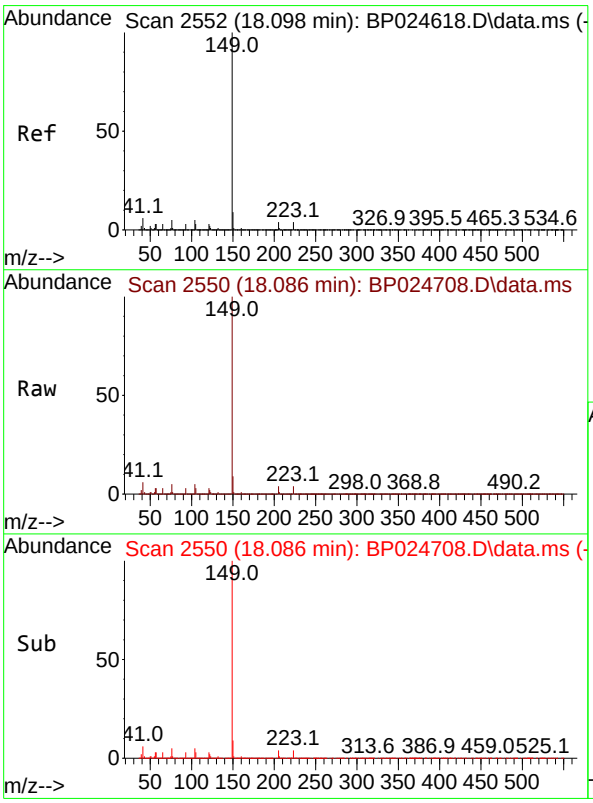
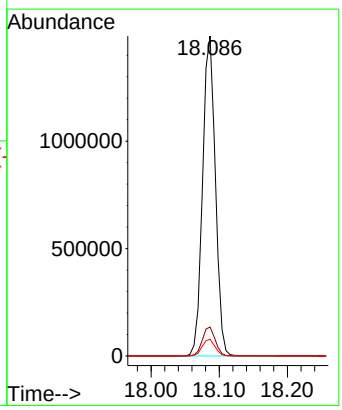
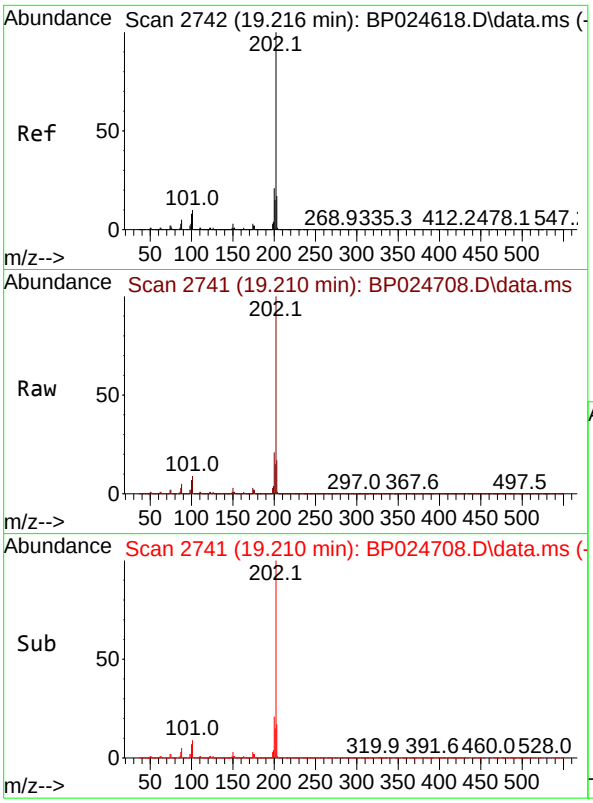



#74
Di-n-butylphthalate
Concen: 46.398 ng
RT: 18.086 min Scan# 2550
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:149 Resp: 1942338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.2 | 10.8 |
| 104 | 5.3 | 4.3 | 6.5 |

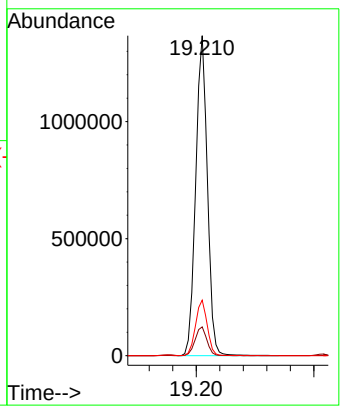





#75
Fluoranthene
Concen: 45.023 ng
RT: 19.210 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:202 Resp: 188119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.0 | 0.0 | 30.3 |
| 203 | 17.4 | 0.0 | 37.5 |




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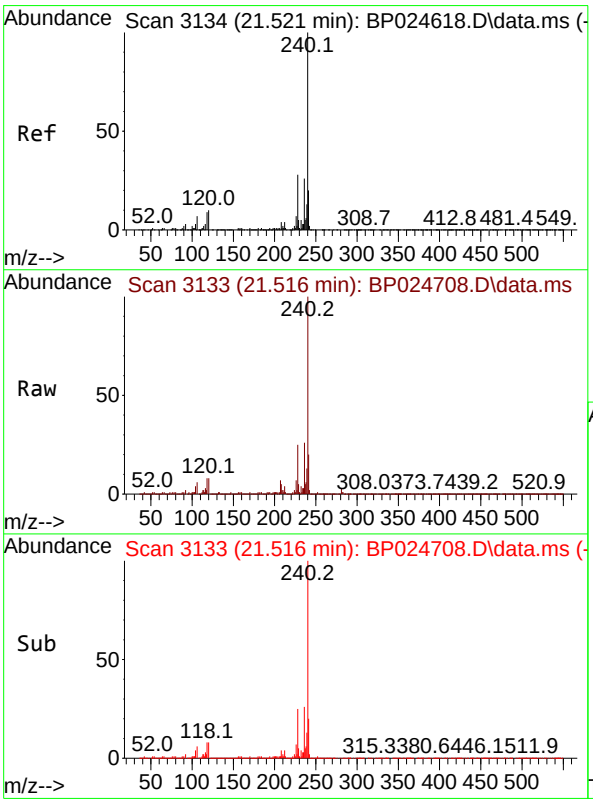
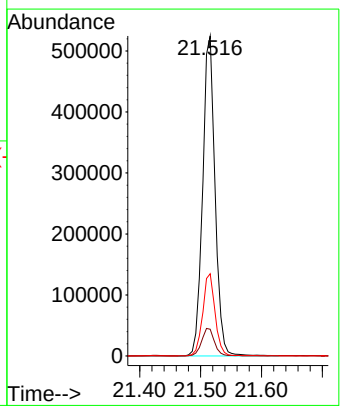
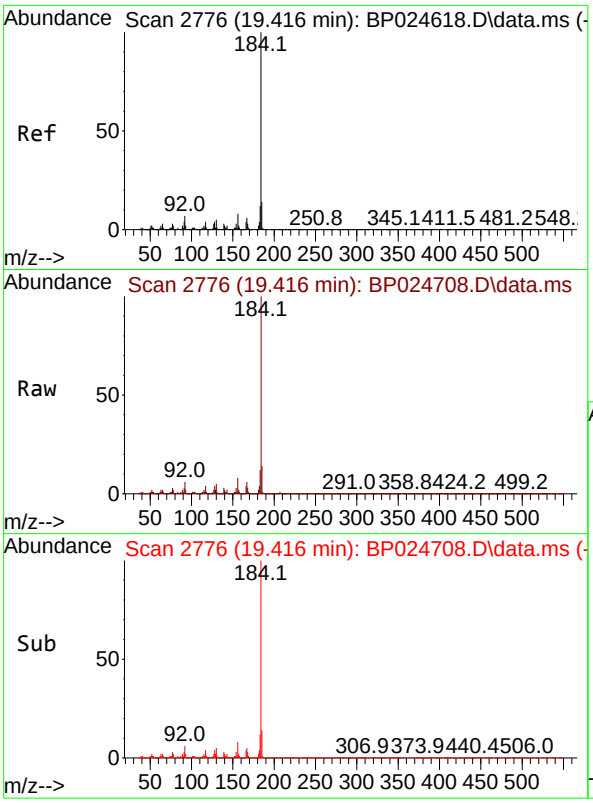



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:240 Resp: 741643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.4 | 7.8 | 11.6 |
| 236 | 25.7 | 20.6 | 31.0 |

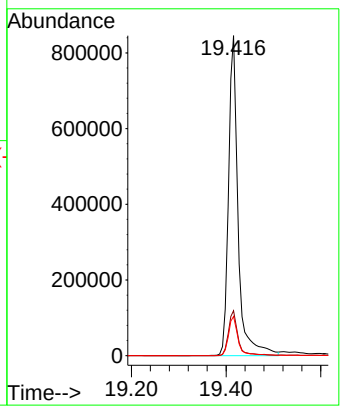





#77
Benzidine
Concen: 58.638 ng
RT: 19.416 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:184 Resp: 118444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.0 | 11.2 | 16.8 |
| 183 | 12.3 | 9.8 | 14.8 |




**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

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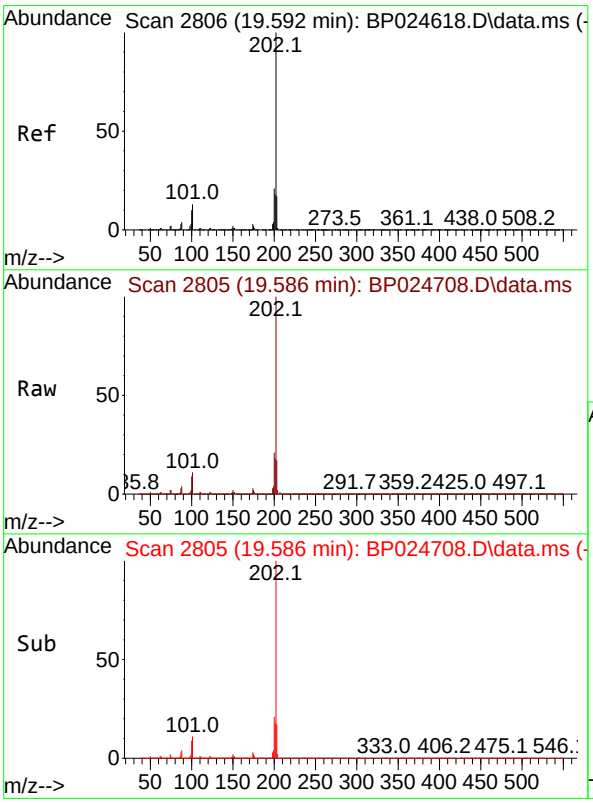
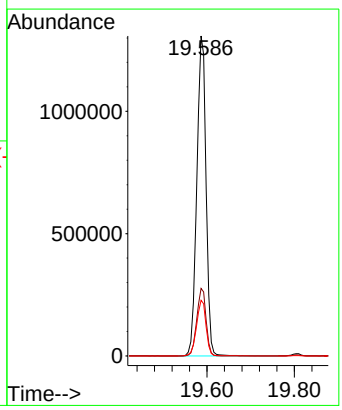
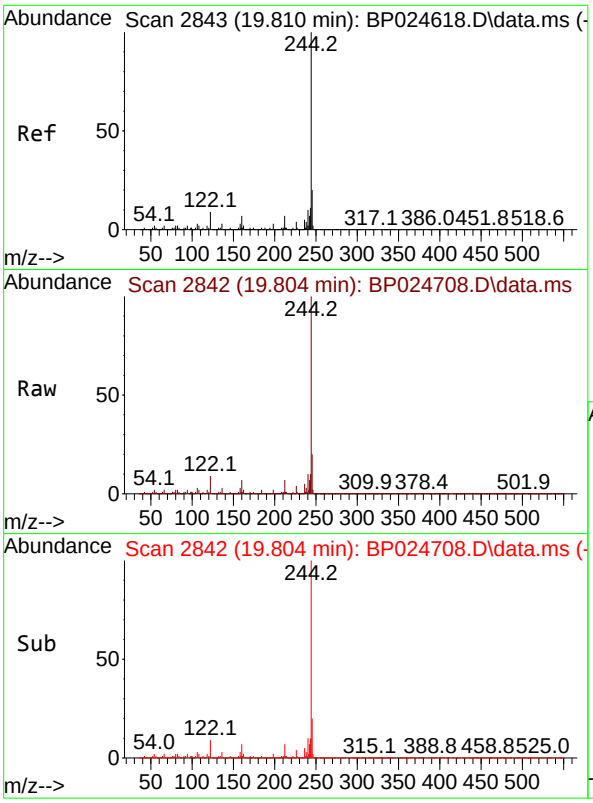



#78
Pyrene
Concen: 43.265 ng
RT: 19.586 min Scan# 2805
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:202 Resp: 1922595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 16.9 | 25.3 |
| 203 | 17.4 | 13.9 | 20.9 |

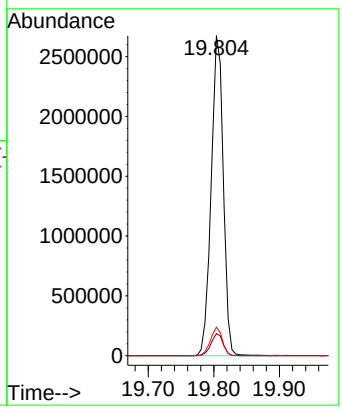





#79
Terphenyl-d14
Concen: 79.393 ng
RT: 19.804 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:244 Resp: 343391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.5 | 8.3 |
| 122 | 8.9 | 7.4 | 11.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

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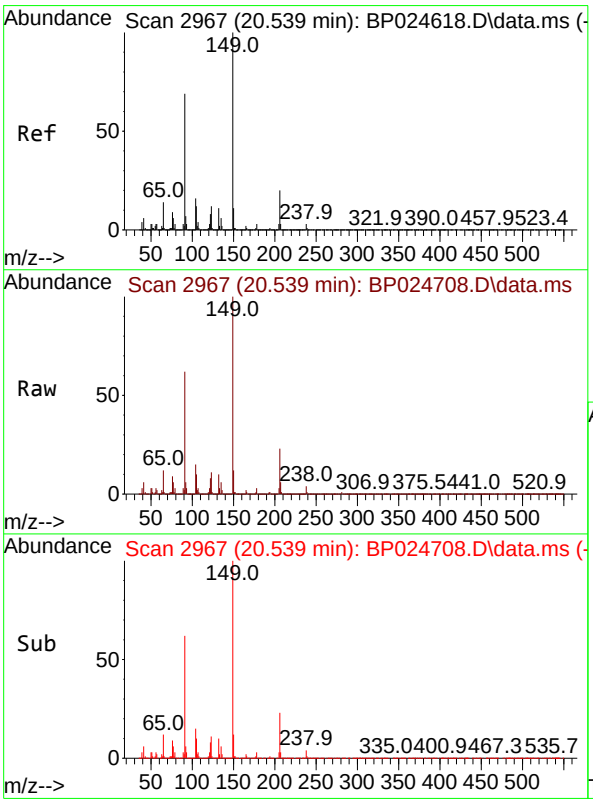
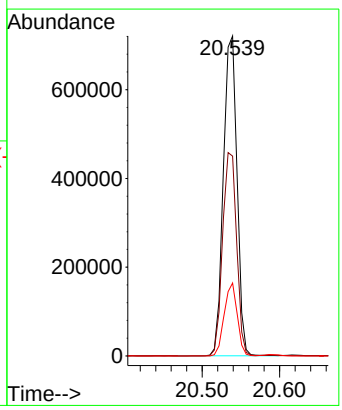
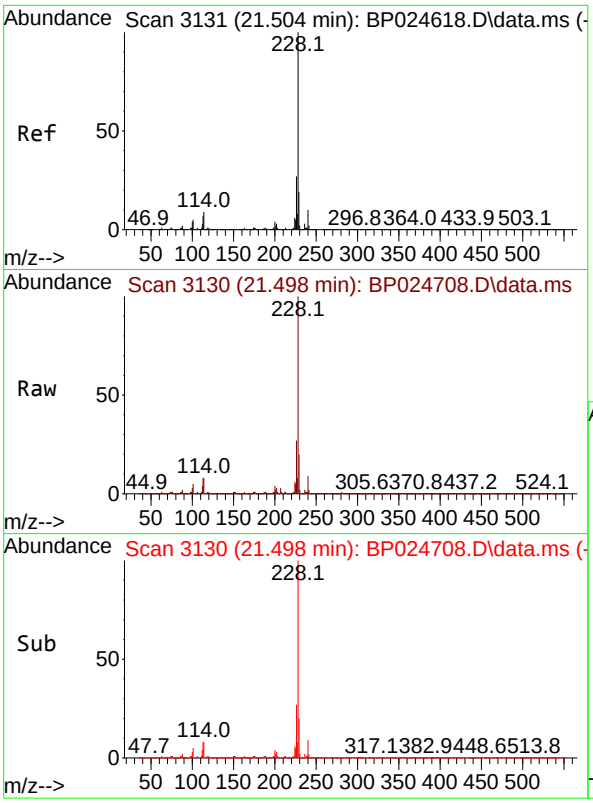



#80
Butylbenzylphthalate
Concen: 44.673 ng
RT: 20.539 min Scan# 2967
Delta R.T. 0.000 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:149 Resp: 882879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 62.4 | 55.4 | 83.0 |
| 206 | 22.8 | 16.2 | 24.2 |

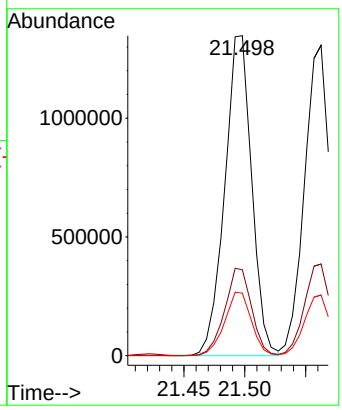





#81
Benzo(a)anthracene
Concen: 44.715 ng
RT: 21.498 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:228 Resp: 208233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.9 | 21.4 | 32.0 |
| 229 | 19.5 | 15.5 | 23.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

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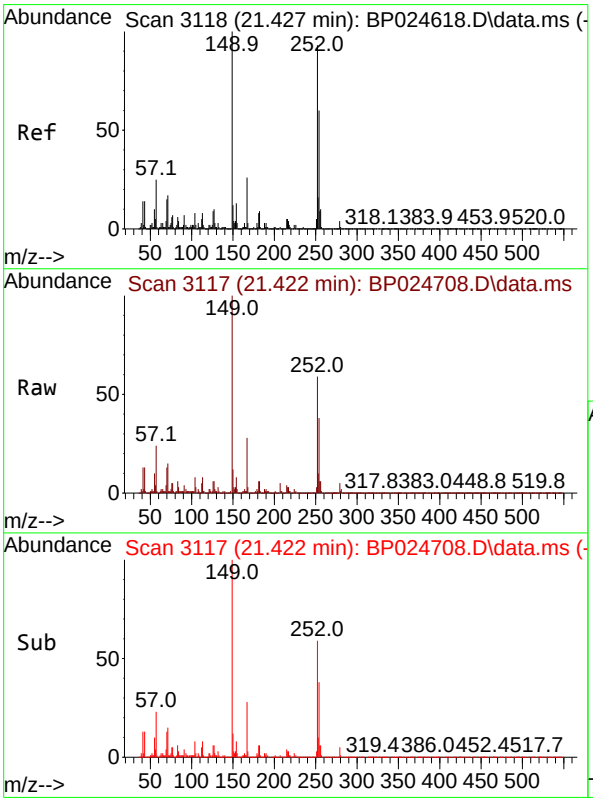
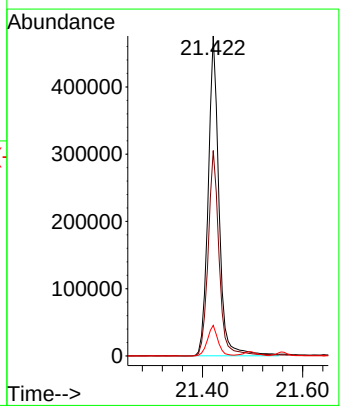
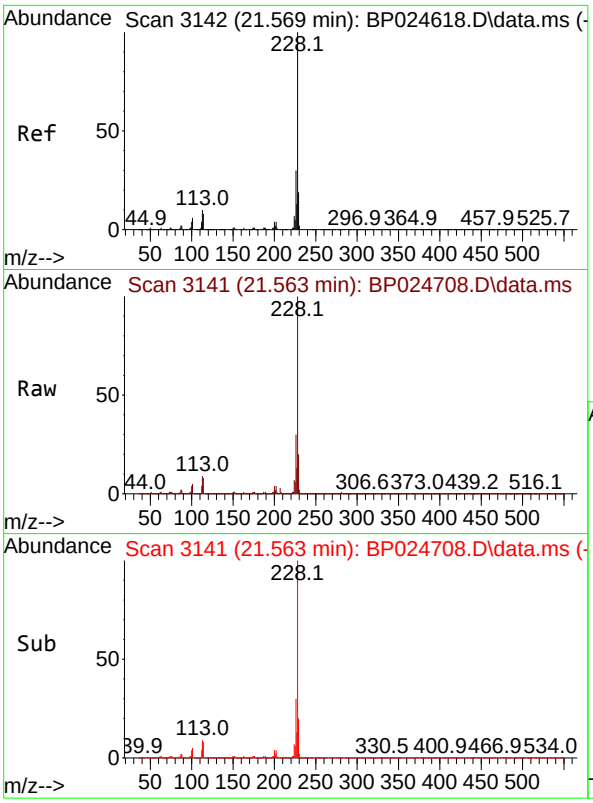



#82
3,3'-Dichlorobenzidine
Concen: 41.258 ng
RT: 21.422 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:252 Resp: 713621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.2 | 51.8 | 77.6 |
| 126 | 9.6 | 7.7 | 11.5 |

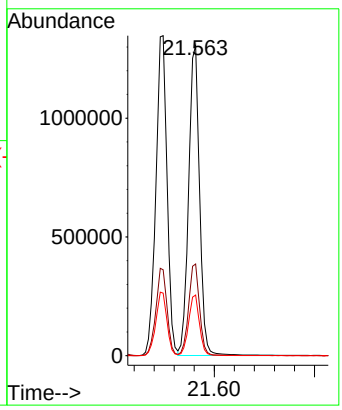





#83
Chrysene
Concen: 44.732 ng
RT: 21.563 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:228 Resp: 197470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.6 | 23.9 | 35.9 |
| 229 | 19.5 | 15.5 | 23.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

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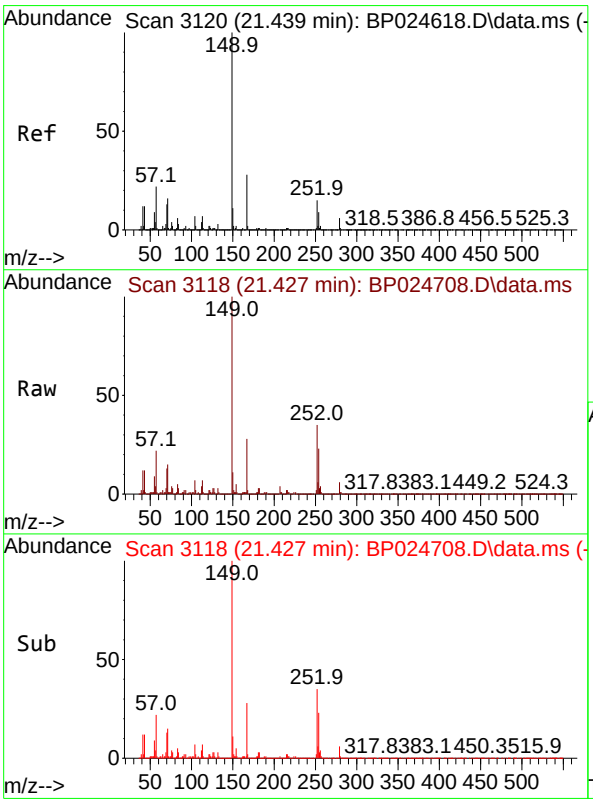
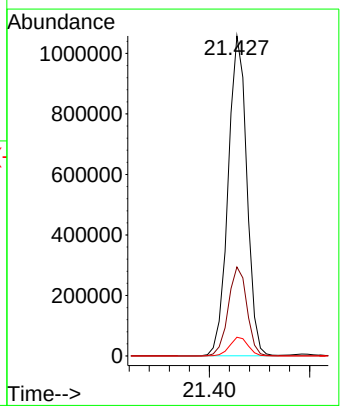
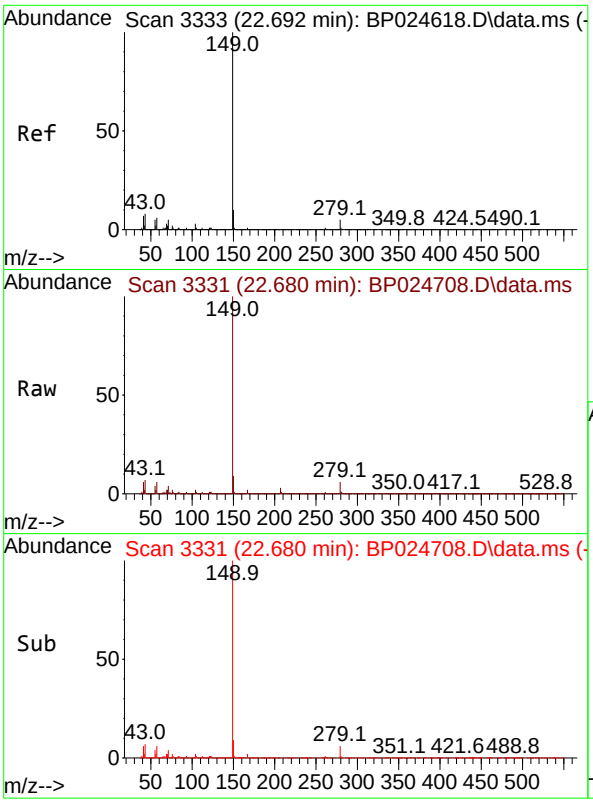



#84
Bis(2-ethylhexyl)phthalate
Concen: 47.173 ng
RT: 21.427 min Scan# 3118
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:149 Resp: 1370288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.8 | 22.1 | 33.1 |
| 279 | 5.8 | 4.6 | 6.8 |






#85
Di-n-octyl phthalate
Concen: 47.662 ng
RT: 22.680 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:149 Resp: 226407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.2 | 1.8 |
| 43 | 7.4 | 6.3 | 9.5 |

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

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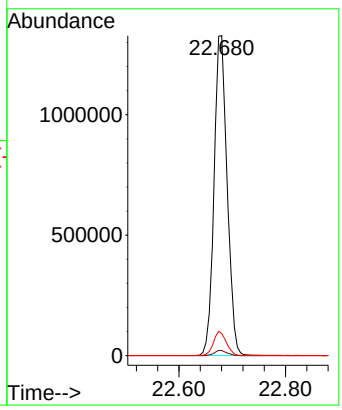
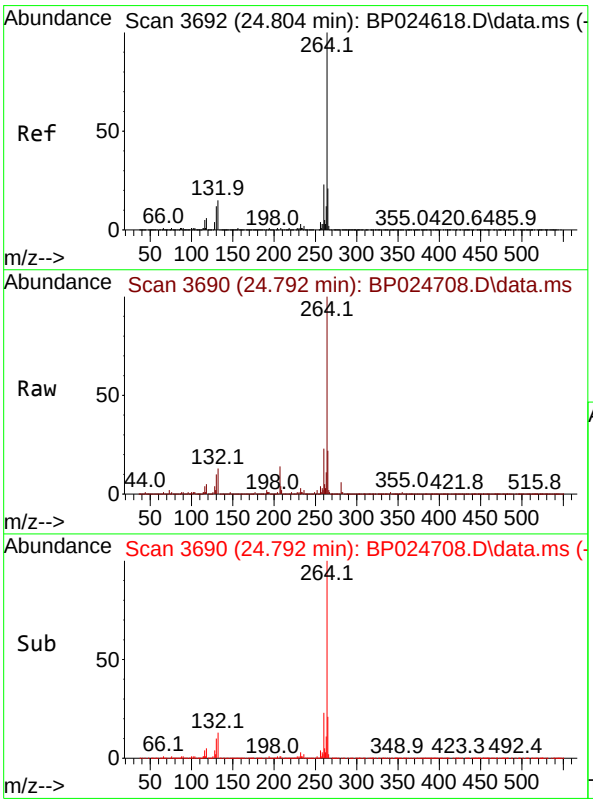
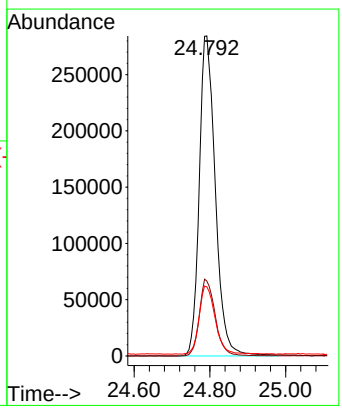


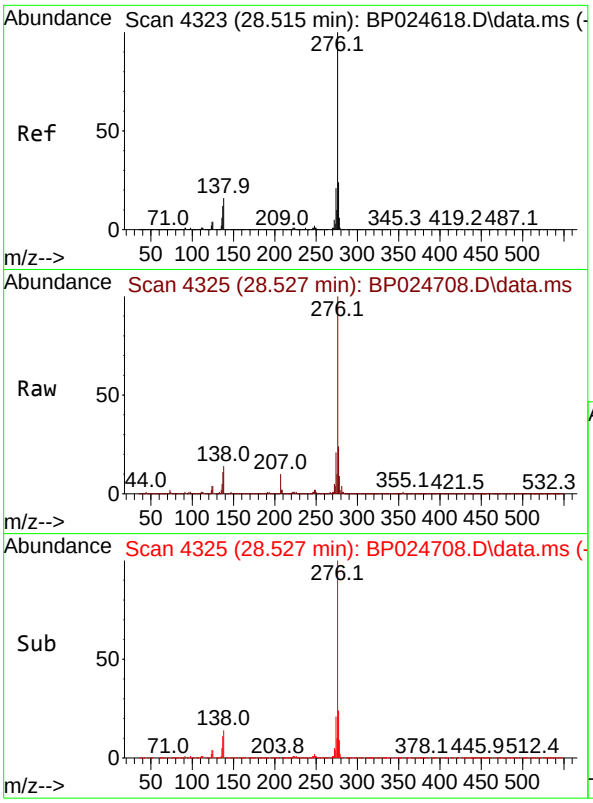




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.792 min Scan# 3690
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:264 Resp: 838594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 18.7 | 28.1 |
| 265 | 21.6 | 17.0 | 25.6 |

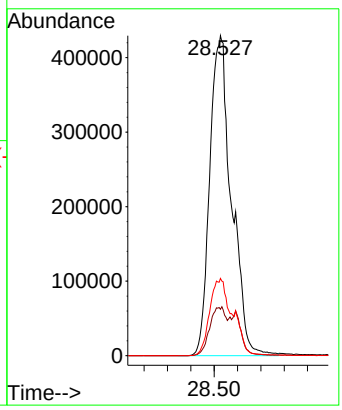





#87
Indeno(1,2,3-cd)pyrene
Concen: 45.368 ng
RT: 28.527 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:276 Resp: 277752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 11.3 | 11.2 | 16.8 |
| 277 | 21.2 | 15.7 | 23.5 |




**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

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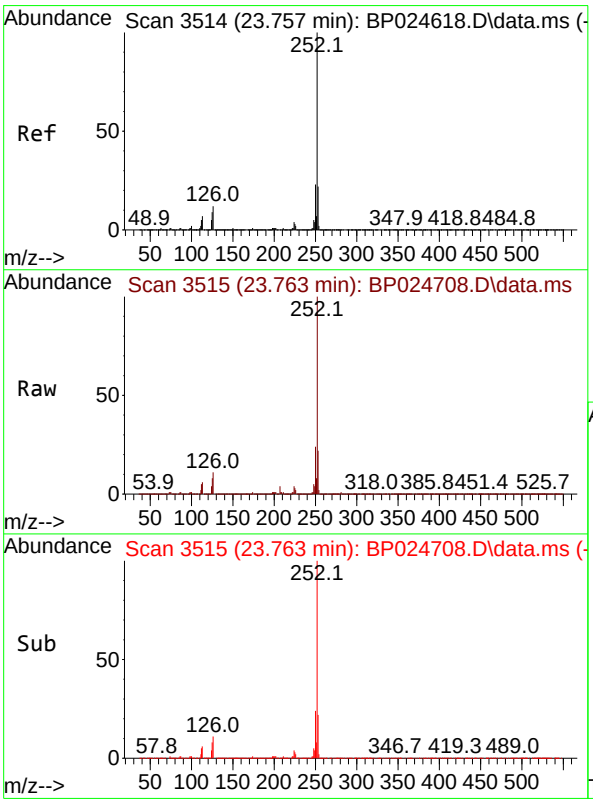
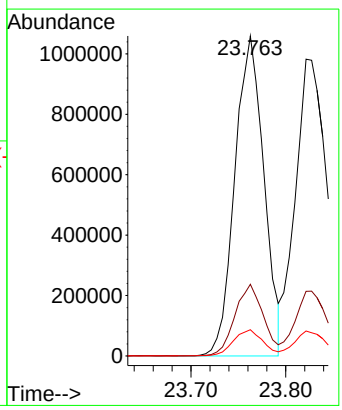
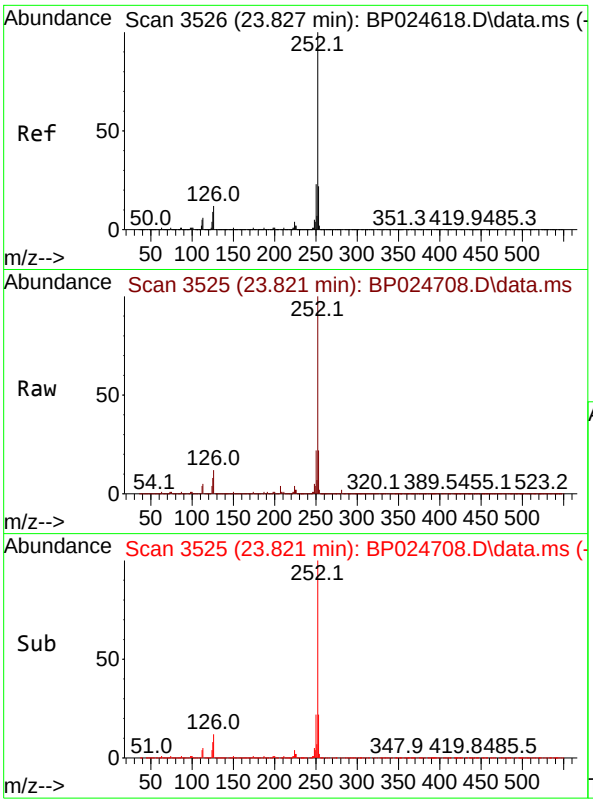



#88
Benzo(b)fluoranthene
Concen: 47.041 ng
RT: 23.763 min Scan# 3515
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:252 Resp: 2257968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 17.7 | 26.5 |
| 125 | 8.2 | 7.5 | 11.3 |

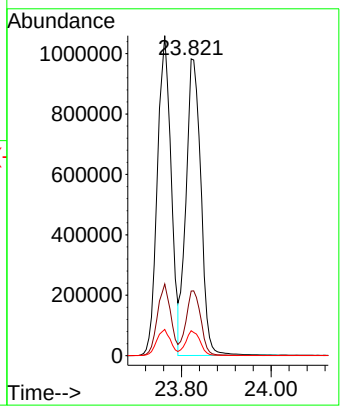





#89
Benzo(k)fluoranthene
Concen: 45.885 ng
RT: 23.821 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:252 Resp: 226948

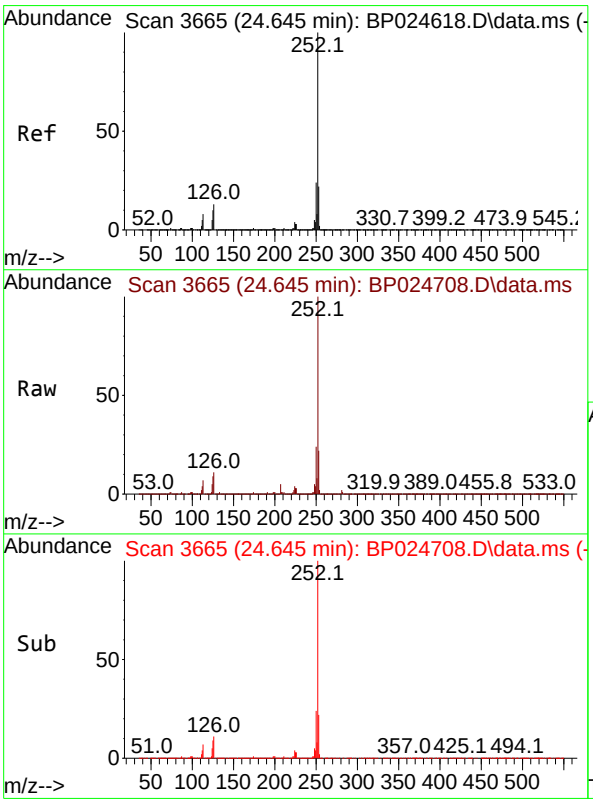
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.6 | 26.4 |
| 125 | 8.4 | 7.0 | 10.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

**Manual Integrations**
**APPROVED**

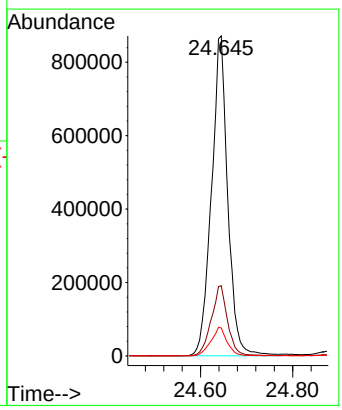
Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025

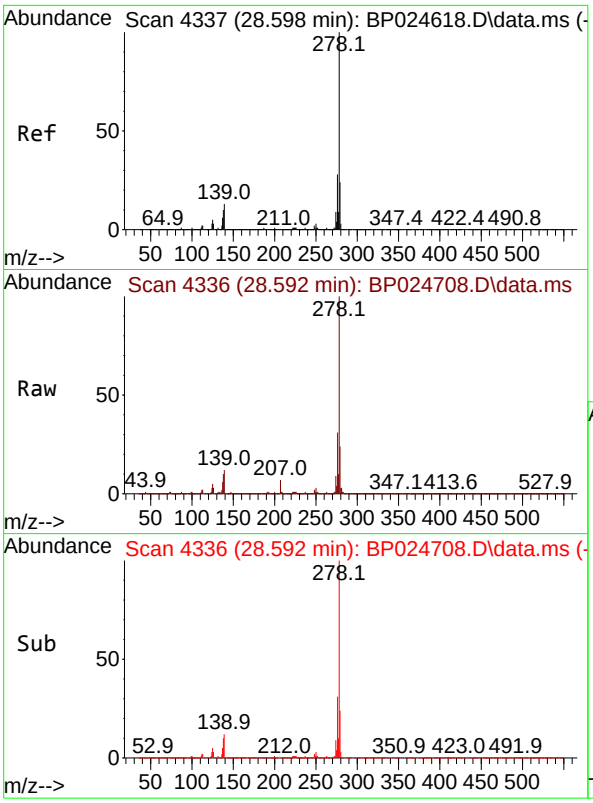



#90
Benzo(a)pyrene
Concen: 46.387 ng
RT: 24.645 min Scan# 3665
Delta R.T. 0.000 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:252 Resp: 2138419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.7 | 26.5 |
| 125 | 8.8 | 8.1 | 12.1 |

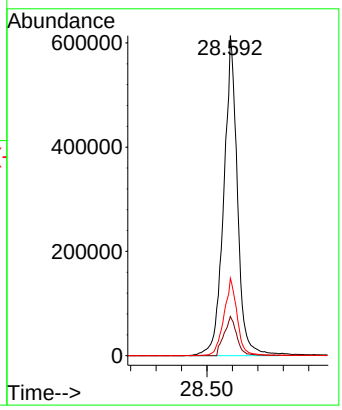





#91
Dibenzo(a,h)anthracene
Concen: 45.992 ng
RT: 28.592 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:278 Resp: 229067

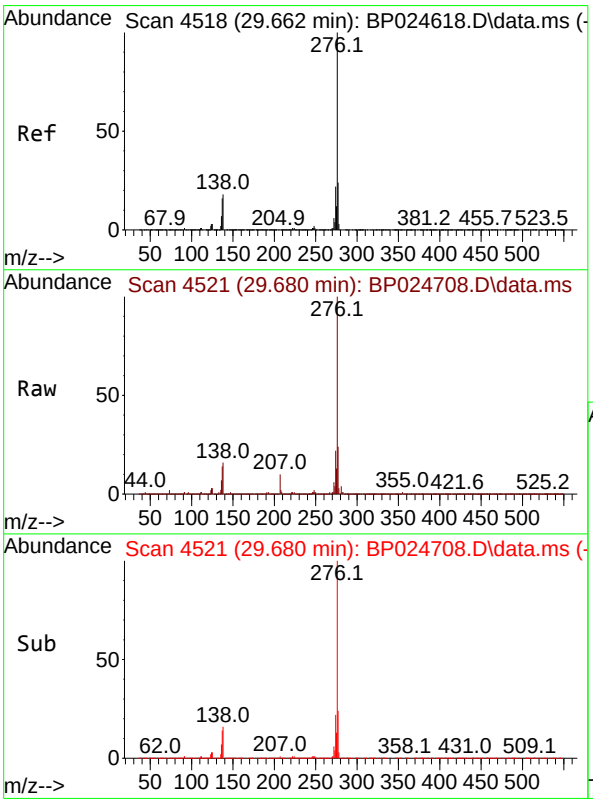
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 12.3 | 10.2 | 15.4 |
| 279 | 24.2 | 19.0 | 28.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

**Manual Integrations**
**APPROVED**

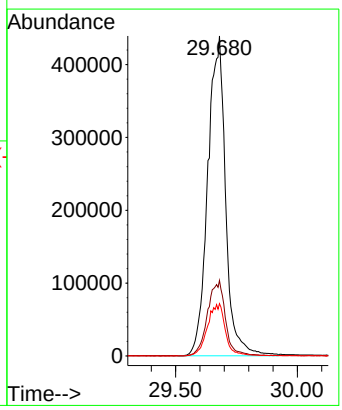
Reviewed By :Rahul Chavli 05/21/2025
Supervised By :Jagrut Upadhyay 05/21/2025




#92
Benzo(g,h,i)perylene
Concen: 44.853 ng
RT: 29.680 min Scan# 4521
Delta R.T. 0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:276 Resp: 2221548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 19.0 | 28.4 |
| 138 | 16.4 | 14.4 | 21.6 |



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# Manual Integration Report

| Sequence: | BP051325 | Instrument | BNA_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDICC005 | BP024615.D | 4-Nitroaniline | Rahul | 5/14/2025 2:19:40 PM | Jagrut | 5/14/2025 5:15:55 PM | Peak Integrated by Software |
| SSTDICC005 | BP024615.D | Benzaldehyde | Rahul | 5/14/2025 2:19:40 PM | Jagrut | 5/14/2025 5:15:55 PM | Peak Integrated by Software |
| SSTDICC005 | BP024615.D | Caprolactam | Rahul | 5/14/2025 2:19:40 PM | Jagrut | 5/14/2025 5:15:55 PM | Peak Integrated by Software |
| SSTDICC010 | BP024616.D | 4-Nitroaniline | Rahul | 5/14/2025 2:19:43 PM | Jagrut | 5/14/2025 5:16:07 PM | Peak Integrated by Software |
| SSTDICC010 | BP024616.D | Benzaldehyde | Rahul | 5/14/2025 2:19:43 PM | Jagrut | 5/14/2025 5:16:07 PM | Peak Integrated by Software |
| SSTDICC010 | BP024616.D | Benzidine | Rahul | 5/14/2025 2:19:43 PM | Jagrut | 5/14/2025 5:16:07 PM | Peak Integrated by Software |
| SSTDICC010 | BP024616.D | Benzoic acid | Rahul | 5/14/2025 2:19:43 PM | Jagrut | 5/14/2025 5:16:07 PM | Peak Integrated by Software |
| SSTDICC010 | BP024616.D | Caprolactam | Rahul | 5/14/2025 2:19:43 PM | Jagrut | 5/14/2025 5:16:07 PM | Peak Integrated by Software |
| SSTDICC010 | BP024616.D | Pentachlorophenol | Rahul | 5/14/2025 2:19:43 PM | Jagrut | 5/14/2025 5:16:07 PM | Peak Integrated by Software |
| SSTDICC020 | BP024617.D | Benzaldehyde | Rahul | 5/14/2025 2:19:45 PM | Jagrut | 5/14/2025 5:16:09 PM | Peak Integrated by Software |
| SSTDICC020 | BP024617.D | Benzoic acid | Rahul | 5/14/2025 2:19:45 PM | Jagrut | 5/14/2025 5:16:09 PM | Peak Integrated by Software |
| SSTDICC020 | BP024617.D | Indeno(1,2,3-cd)pyrene | Rahul | 5/14/2025 2:19:45 PM | Jagrut | 5/14/2025 5:16:09 PM | Peak Integrated by Software |
| SSTDICCC040 | BP024618.D | Benzaldehyde | Rahul | 5/14/2025 2:19:48 PM | Jagrut | 5/14/2025 5:16:12 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | BP051325 | Instrument | BNA_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDICCC040 | BP024618.D | Benzoic acid | Rahul | 5/14/2025 2:19:48 PM | Jagrut | 5/14/2025 5:16:12 PM | Peak Integrated by Software |
| SSTDICC080 | BP024621.D | Indeno(1,2,3-cd)pyrene | Rahul | 5/14/2025 2:19:51 PM | Jagrut | 5/14/2025 5:16:14 PM | Peak Integrated by Software |
| SSTDICV040 | BP024622.D | Indeno(1,2,3-cd)pyrene | Rahul | 5/14/2025 2:19:57 PM | Jagrut | 5/14/2025 5:16:17 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | bp052025 | Instrument | BNA_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| PB168048BSD | BP024708.D | Benzoic acid | Rahul | 5/21/2025 1:16:07 PM | Jagrut | 5/21/2025 4:42:51 PM | Peak Integrated by Software |
| Q2064-05 | BP024714.D | Benzoic acid | Rahul | 5/21/2025 1:16:09 PM | Jagrut | 5/21/2025 4:42:55 PM | Peak Integrated by Software |
| SSTDCCC040 | BP024735.D | Benzoic acid | Rahul | 5/21/2025 1:16:15 PM | Jagrut | 5/21/2025 4:43:03 PM | Peak Integrated by Software |

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**Instrument ID: BNA_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # BP051325

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 5/14/2025 2:20:20 PM | | |
| Supervise By | Jagrut | Supervise On | 5/14/2025 5:16:42 PM | | |
| SubDirectory | BP051325 | HP Acquire Method | BNA_P | HP Processing Method | bp051325 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791 |
| CCC | SP6787 |
| Internal Standard/PEM | S12664,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BP024613.D | 13 May 2025 10:00 | RC/JU | Ok |
| 2 | SSTDICC2.5 | BP024614.D | 13 May 2025 10:41 | RC/JU | Ok |
| 3 | SSTDICC005 | BP024615.D | 13 May 2025 11:22 | RC/JU | Ok,M |
| 4 | SSTDICC010 | BP024616.D | 13 May 2025 12:03 | RC/JU | Ok,M |
| 5 | SSTDICC020 | BP024617.D | 13 May 2025 12:43 | RC/JU | Ok,M |
| 6 | SSTDICCC040 | BP024618.D | 13 May 2025 13:24 | RC/JU | Ok,M |
| 7 | SSTDICC050 | BP024619.D | 13 May 2025 14:05 | RC/JU | Ok |
| 8 | SSTDICC060 | BP024620.D | 13 May 2025 14:45 | RC/JU | Ok |
| 9 | SSTDICC080 | BP024621.D | 13 May 2025 15:26 | RC/JU | Ok,M |
| 10 | SSTDICV040 | BP024622.D | 13 May 2025 17:01 | RC/JU | Ok,M |
| 11 | PB167917TB | BP024623.D | 13 May 2025 18:23 | RC/JU | Ok |

M : Manual Integration

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**Instrument ID: BNA_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # BP052025

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 5/21/2025 1:31:28 PM | | |
| Supervise By | Jagrut | Supervise On | 5/21/2025 4:43:18 PM | | |
| SubDirectory | BP052025 | HP Acquire Method | BNA_P | HP Processing Method | BP051325 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791 |
| CCC | SP6787 |
| Internal Standard/PEM | S12665,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BP024702.D | 20 May 2025 10:31 | RC/JU | Ok |
| 2 | SSTDCCC040 | BP024703.D | 20 May 2025 11:52 | RC/JU | Ok |
| 3 | PB168052BL | BP024704.D | 20 May 2025 12:33 | RC/JU | Ok |
| 4 | PB168052BS | BP024705.D | 20 May 2025 13:14 | RC/JU | Ok |
| 5 | PB168048BL | BP024706.D | 20 May 2025 13:55 | RC/JU | Ok |
| 6 | PB168048BS | BP024707.D | 20 May 2025 14:35 | RC/JU | Ok |
| 7 | PB168048BSD | BP024708.D | 20 May 2025 15:16 | RC/JU | Ok,M |
| 8 | Q2071-13 | BP024709.D | 20 May 2025 15:57 | RC/JU | Ok |
| 9 | Q2071-13MS | BP024710.D | 20 May 2025 16:38 | RC/JU | Ok |
| 10 | Q2071-13MSD | BP024711.D | 20 May 2025 17:19 | RC/JU | Ok |
| 11 | Q2064-01 | BP024712.D | 20 May 2025 17:59 | RC/JU | Ok |
| 12 | Q2064-04 | BP024713.D | 20 May 2025 18:40 | RC/JU | Ok |
| 13 | Q2064-05 | BP024714.D | 20 May 2025 19:21 | RC/JU | Ok,M |
| 14 | Q2064-08 | BP024715.D | 20 May 2025 20:02 | RC/JU | Ok |
| 15 | Q2032-11 | BP024716.D | 20 May 2025 20:42 | RC/JU | Ok |
| 16 | Q2065-01 | BP024717.D | 20 May 2025 21:23 | RC/JU | Ok,M |
| 17 | SSTDCCC040 | BP024718.D | 20 May 2025 22:04 | RC/JU | Ok |
| 18 | DFTPP | BP024719.D | 21 May 2025 00:06 | RC/JU | Ok |
| 19 | SSTDCCC040 | BP024720.D | 21 May 2025 00:47 | RC/JU | Ok |
| 20 | PB168033TB | BP024721.D | 21 May 2025 01:28 | RC/JU | Ok |
| 21 | Q2067-01DL | BP024722.D | 21 May 2025 02:08 | RC/JU | Ok |

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**Instrument ID: BNA_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # BP052025

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Rahul | Review On | 5/21/2025 1:31:28 PM | | | | |
| Supervise By | Jagrut | Supervise On | 5/21/2025 4:43:18 PM | | | | |
| SubDirectory | BP052025 | HP Acquire Method | BNA_P | | HP Processing Method | BP051325 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791 |
| CCC | SP6787 |
| Internal Standard/PEM | S12665,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q1984-03 | BP024723.D | 21 May 2025 02:49 | RC/JU | Ok |
| 23 | Q1984-09 | BP024724.D | 21 May 2025 03:30 | RC/JU | Ok |
| 24 | Q1984-13RX | BP024725.D | 21 May 2025 04:10 | RC/JU | Confirms |
| 25 | Q2057-04 | BP024726.D | 21 May 2025 04:51 | RC/JU | Ok |
| 26 | Q2062-04 | BP024727.D | 21 May 2025 05:31 | RC/JU | Ok |
| 27 | Q2062-08 | BP024728.D | 21 May 2025 06:12 | RC/JU | Ok |
| 28 | Q2062-12 | BP024729.D | 21 May 2025 06:53 | RC/JU | Ok |
| 29 | Q2062-16 | BP024730.D | 21 May 2025 07:33 | RC/JU | Ok |
| 30 | Q2062-20 | BP024731.D | 21 May 2025 08:14 | RC/JU | Ok |
| 31 | Q2062-24 | BP024732.D | 21 May 2025 08:54 | RC/JU | Ok |
| 32 | Q2080-06 | BP024733.D | 21 May 2025 09:35 | RC/JU | Ok |
| 33 | Q2080-12 | BP024734.D | 21 May 2025 10:16 | RC/JU | Ok |
| 34 | SSTDCCC040 | BP024735.D | 21 May 2025 10:56 | RC/JU | Ok,M |

M : Manual Integration

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**Instrument ID:** BNA_P

## Daily Analysis Runlog For Sequence/QCBatch ID # BP051325

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 5/14/2025 2:20:20 PM | | |
| Supervise By | Jagrut | Supervise On | 5/14/2025 5:16:42 PM | | |
| SubDirectory | BP051325 | HP Acquire Method | BNA_P | HP Processing Method | bp051325 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791 |
| CCC | SP6787 |
| Internal Standard/PEM | S12664,10ul/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 | BP024613.D | 13 May 2025 10:00 | | RC/JU | Ok |
| 2 | SSTDICC2.5 | SSTDICC2.5 | BP024614.D | 13 May 2025 10:41 | | RC/JU | Ok |
| 3 | SSTDICC005 | SSTDICC005 | BP024615.D | 13 May 2025 11:22 | Compound#32-54-56-65-77 removed from 5 ppm | RC/JU | Ok,M |
| 4 | SSTDICC010 | SSTDICC010 | BP024616.D | 13 May 2025 12:03 | | RC/JU | Ok,M |
| 5 | SSTDICC020 | SSTDICC020 | BP024617.D | 13 May 2025 12:43 | | RC/JU | Ok,M |
| 6 | SSTDICCC040 | SSTDICCC040 | BP024618.D | 13 May 2025 13:24 | Compound#32-54-56 Kept on LR | RC/JU | Ok,M |
| 7 | SSTDICC050 | SSTDICC050 | BP024619.D | 13 May 2025 14:05 | | RC/JU | Ok |
| 8 | SSTDICC060 | SSTDICC060 | BP024620.D | 13 May 2025 14:45 | | RC/JU | Ok |
| 9 | SSTDICC080 | SSTDICC080 | BP024621.D | 13 May 2025 15:26 | | RC/JU | Ok,M |
| 10 | SSTDICV040 | ICVBP051325 | BP024622.D | 13 May 2025 17:01 | | RC/JU | Ok,M |
| 11 | PB167917TB | PB167917TB | BP024623.D | 13 May 2025 18:23 | | RC/JU | Ok |

M : Manual Integration

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**Instrument ID:** BNA_P

## Daily Analysis Runlog For Sequence/QCBatch ID # BP052025

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 5/21/2025 1:31:28 PM | | |
| Supervise By | Jagrut | Supervise On | 5/21/2025 4:43:18 PM | | |
| SubDirectory | BP052025 | HP Acquire Method | BNA_P | HP Processing Method | BP051325 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791 |
| CCC | SP6787 |
| Internal Standard/PEM | S12665,10ul/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 | BP024702.D | 20 May 2025 10:31 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BP024703.D | 20 May 2025 11:52 | | RC/JU | Ok |
| 3 | PB168052BL | PB168052BL | BP024704.D | 20 May 2025 12:33 | | RC/JU | Ok |
| 4 | PB168052BS | PB168052BS | BP024705.D | 20 May 2025 13:14 | | RC/JU | Ok |
| 5 | PB168048BL | PB168048BL | BP024706.D | 20 May 2025 13:55 | | RC/JU | Ok |
| 6 | PB168048BS | PB168048BS | BP024707.D | 20 May 2025 14:35 | | RC/JU | Ok |
| 7 | PB168048BSD | PB168048BSD | BP024708.D | 20 May 2025 15:16 | | RC/JU | Ok,M |
| 8 | Q2071-13 | L2-WC-5 | BP024709.D | 20 May 2025 15:57 | | RC/JU | Ok |
| 9 | Q2071-13MS | L2-WC-5MS | BP024710.D | 20 May 2025 16:38 | | RC/JU | Ok |
| 10 | Q2071-13MSD | L2-WC-5MSD | BP024711.D | 20 May 2025 17:19 | | RC/JU | Ok |
| 11 | Q2064-01 | RW8-SP100-70-202505 | BP024712.D | 20 May 2025 17:59 | | RC/JU | Ok |
| 12 | Q2064-04 | RW8-SP303-70-202505 | BP024713.D | 20 May 2025 18:40 | | RC/JU | Ok |
| 13 | Q2064-05 | RW8-SP100-90-202505 | BP024714.D | 20 May 2025 19:21 | | RC/JU | Ok,M |
| 14 | Q2064-08 | RW8-SP303-90-202505 | BP024715.D | 20 May 2025 20:02 | | RC/JU | Ok |
| 15 | Q2032-11 | FB-05132025 | BP024716.D | 20 May 2025 20:42 | | RC/JU | Ok |
| 16 | Q2065-01 | VACTRUCK-728068 | BP024717.D | 20 May 2025 21:23 | | RC/JU | Ok,M |
| 17 | SSTDCCC040 | SSTDCCC040EC | BP024718.D | 20 May 2025 22:04 | | RC/JU | Ok |
| 18 | DFTPP | DFTPP | BP024719.D | 21 May 2025 00:06 | | RC/JU | Ok |

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Fax : 908 789 8922

**Instrument ID:** BNA_P

## Daily Analysis Runlog For Sequence/QCBatch ID # BP052025

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 5/21/2025 1:31:28 PM | | |
| Supervise By | Jagrut | Supervise On | 5/21/2025 4:43:18 PM | | |
| SubDirectory | BP052025 | HP Acquire Method | BNA_P | HP Processing Method | BP051325 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791 |
| CCC | SP6787 |
| Internal Standard/PEM | S12665,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | SSTDCCC040 | SSTDCCC040 | BP024720.D | 21 May 2025 00:47 | | RC/JU | Ok |
| 20 | PB168033TB | PB168033TB | BP024721.D | 21 May 2025 01:28 | | RC/JU | Ok |
| 21 | Q2067-01DL | 303-PPR-FRACDL | BP024722.D | 21 May 2025 02:08 | | RC/JU | Ok |
| 22 | Q1984-03 | OU4-PCS-TC-34-05072 | BP024723.D | 21 May 2025 02:49 | | RC/JU | Ok |
| 23 | Q1984-09 | OU4-TS-25-050725 | BP024724.D | 21 May 2025 03:30 | | RC/JU | Ok |
| 24 | Q1984-13RX | OU4-TS-27-050725RX | BP024725.D | 21 May 2025 04:10 | Surrogates Fail | RC/JU | Confirms |
| 25 | Q2057-04 | MH-L | BP024726.D | 21 May 2025 04:51 | | RC/JU | Ok |
| 26 | Q2062-04 | L1-WC-1 | BP024727.D | 21 May 2025 05:31 | | RC/JU | Ok |
| 27 | Q2062-08 | L1-WC-2 | BP024728.D | 21 May 2025 06:12 | | RC/JU | Ok |
| 28 | Q2062-12 | L1-WC-3 | BP024729.D | 21 May 2025 06:53 | | RC/JU | Ok |
| 29 | Q2062-16 | L1-WC-4 | BP024730.D | 21 May 2025 07:33 | | RC/JU | Ok |
| 30 | Q2062-20 | L1-WC-5 | BP024731.D | 21 May 2025 08:14 | | RC/JU | Ok |
| 31 | Q2062-24 | L1-WC-6 | BP024732.D | 21 May 2025 08:54 | | RC/JU | Ok |
| 32 | Q2080-06 | PL-HRH-COMP-01 | BP024733.D | 21 May 2025 09:35 | | RC/JU | Ok |
| 33 | Q2080-12 | PL-HRH-COMP-02 | BP024734.D | 21 May 2025 10:16 | | RC/JU | Ok |
| 34 | SSTDCCC040 | SSTDCCC040EC | BP024735.D | 21 May 2025 10:56 | | RC/JU | Ok,M |

M : Manual Integration

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

PB168048

| | | | | | |
|---|---|---|---|---|---|
| **SOP ID:** | M3510C,3580A-Extraction SVOC-20 | | | | |
| **Clean Up SOP #:** | N/A | | | **Extraction Start Date :** | 05/19/2025 |
| **Matrix :** | Water | | | **Extraction Start Time :** | 08:42 |
| **Weigh By:** | N/A | **Extraction By:** | RS | **Extraction End Date :** | 05/19/2025 |
| **Balance check:** | N/A | **Filter By:** | RJ | **Extraction End Time :** | 13:40 |
| **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 | SP6782 |
| 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 | E3930 |
| Baked Na2SO4 | N/A | EP2611 |
| 10N NaoH | N/A | EP2609 |
| H2SO4 1:1 | N/A | EP2610 |
| 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:**

1.5 ML Vial lot# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

| | | | |
|---|---|---|---|
| **KD Bath ID:** | WATER BATH-1,2 | **Envap ID:** | NEVAP-02 |
| **KD Bath Temperature:** | 60 °C | **Envap Temperature:** | 40 °C |

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 5/19/25 | RS (BLT lab) | RC/SVOC |
| 13:45 | **Preparation Group** | **Analysis Group** |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB168048**

**Analytical Method:** M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 05/19/2025

| Sample ID | Client Sample ID | Test | g / mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB168048BL | SBLK048 | SVOC-TCL BNA -20 | 1000 | 6 | RUPESH | ritesh | 1 | | | SEP-1 |
| PB168048BS | SLCS048 | SVOC-TCL BNA -20 | 1000 | 6 | RUPESH | ritesh | 1 | | | 2 |
| PB168048BSD | SLCSD048 | SVOC-TCL BNA -20 | 1000 | 6 | RUPESH | ritesh | 1 | | | 3 |
| Q2032-11 | FB-05132025 | SVOC-TCL BNA -20 | 980 | 6 | RUPESH | ritesh | 1 | F | | 4 |
| Q2033-01 | TW-WTS-08 | SVOCMS Group4 | 980 | 11 | RUPESH | ritesh | 1 | F | | 5 |
| Q2064-01 | RW8-SP100-70-20250514 | SVOC-TCL BNA -20 | 1000 | 6 | RUPESH | ritesh | 1 | B | | 6 |
| Q2064-04 | RW8-SP303-70-20250514 | SVOC-TCL BNA -20 | 1000 | 6 | RUPESH | ritesh | 1 | B | | 7 |
| Q2064-05 | RW8-SP100-90-20250514 | SVOC-TCL BNA -20 | 1000 | 6 | RUPESH | ritesh | 1 | B | | 8 |
| Q2064-08 | RW8-SP303-90-20250514 | SVOC-TCL BNA -20 | 1000 | 6 | RUPESH | ritesh | 1 | B | | 9 |
| Q2065-01 | VACTRUCK-728068 | SVOC-TCL BNA -20 | 990 | 6 | RUPESH | ritesh | 1 | N | | 10 |
| Q2067-01 | 303-PPR-FRAC | SVOC-TCL BNA -20 | 970 | 6 | RUPESH | ritesh | 1 | N | | 11 |
| Q2068-03 | LAW-25-0074 | SVOC-TCL BNA -20 | 950 | 6 | RUPESH | ritesh | 1 | N | | 12 |

RS 5/19

* **Extracts relinquished on the same date as received.**

168048
8:42

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** Q2033 **WorkList ID :** 189588 **Department :** Extraction **Date :** 05-19-2025 08:37:19

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q2032-11 | FB-05132025 | Water | SVOC-TCL BNA -20 | Cool 4 deg C | CAMP02 | L41 | 05/13/2025 | 8270E |
| Q2033-01 | TW-WTS-08 | Water | SVOCMS Group4 | Cool 4 deg C | ENTA05 | L41 | 05/12/2025 | 8270E |
| Q2064-01 | RW8-SP100-70-20250514 | Water | SVOC-TCL BNA -20 | Cool 4 deg C | TETR06 | L41 | 05/14/2025 | 8270E |
| Q2064-04 | RW8-SP303-70-20250514 | Water | SVOC-TCL BNA -20 | Cool 4 deg C | TETR06 | L41 | 05/14/2025 | 8270E |
| Q2064-05 | RW8-SP100-90-20250514 | Water | SVOC-TCL BNA -20 | Cool 4 deg C | TETR06 | L41 | 05/14/2025 | 8270E |
| Q2064-08 | RW8-SP303-90-20250514 | Water | SVOC-TCL BNA -20 | Cool 4 deg C | TETR06 | L41 | 05/14/2025 | 8270E |
| Q2065-01 | VACTRUCK-728068 | Water | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | L41 | 05/16/2025 | 8270E |
| Q2067-01 | 303-PPR-FRAC | Water | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | L41 | 05/16/2025 | 8270E |
| Q2068-03 | LAW-25-0074 | Water | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | L31 | 05/16/2025 | 8270E |

**Date/Time** 5/19/25 8:37
**Raw Sample Received by:** RS (Ext-Lab)
**Raw Sample Relinquished by:** CP SM

**Date/Time** 5/19/25 9:30
**Raw Sample Received by:** CP SM
**Raw Sample Relinquished by:** RS (Ext-Lab)

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# Prep Standard - Chemical Standard Summary

**Order ID :** Q2064

**Test :** SVOC-TCL BNA -20

**Prepbatch ID :** PB168048,

**Sequence ID/Qc Batch ID:** BP052025,

**Standard ID :**
EP2609,EP2610,EP2611,SP6754,SP6757,SP6769,SP6770,SP6782,SP6783,SP6784,SP6785,SP6786,SP6787,SP6788,SP6789,SP6790,SP6791,

**Chemical ID :**
10ul/1000ul sample,E3551,E3657,E3902,E3904,E3921,E3926,E3930,M6157,S10104,S10399,S10584,S11143,S11162,S11484,S11496,S11650,S11788,S11789,S11790,S11798,S11799,S12115,S12190,S12191,S12192,S12193,S12194,S12195,S12209,S12210,S12211,S12212,S12213,S12214,S12215,S12216,S12271,S12277,S12486,S12488,S12489,S12490,S12491,S12492,S12493,S12494,S12495,S12496,S12534,S12535,S12536,S12537,S12538,S12539,S12540,S12541,S12542,S12577,S12658,S12662,S12665,S12793,S12974,S12976,S12977,S12978,S12979,S12980,S12981,S12982,S12983,S13078,W3112,

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# 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 | EP2611 | 05/09/2025 | 07/01/2025 | RUPESHKUMAR SHAH | Extraction_SCALE_2 (EX-SC-2) | None | Riteshkumar Patel 05/09/2025 |

**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 |
|---|---|---|---|---|---|---|---|---|
| 171 | 8270/625 Spike Solution, 50/100 PPM | SP6782 | 04/30/2025 | 05/31/2025 | Rahul Chavli | None | None | Jagrut Upadhyay 05/15/2025 |

**FROM** 0.10000ml of S12488 + 0.20000ml of S12534 + 0.20000ml of S12983 + 0.40000ml of S10399 + 0.40000ml of S10584 + 0.40000ml of S11143 + 0.40000ml of S11484 + 0.40000ml of S11650 + 0.50000ml of S12542 + 0.80000ml of S12974 + 1.00000ml of S12496 + 1.10000ml of S11789 + 1.10000ml of S12492 + 1.20000ml of S11799 + 1.20000ml of S12491 + 1.20000ml of S12493 + 1.20000ml of S12976 + 1.20000ml of S12980 + 1.20000ml of S12982 + 1.30000ml of S11798 + 1.30000ml of S12490 + 1.30000ml of S12495 + 1.30000ml of S12535 + 1.30000ml of S12537 + 1.30000ml of S12538 + 1.30000ml of S12540 + 1.30000ml of S12541 + 1.30000ml of S12979 + 1.30000ml of S12981 + 1.40000ml of S11790 + 1.40000ml of S12489 + 1.40000ml of S12494 + 1.40000ml of S12536 + 1.40000ml of S12539 + 1.40000ml of S12977 + 1.40000ml of S12978 + 163.00000ml of E3921 = Final Quantity: 200.000 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3764 | 8270/625 Stock solution 100 ng | SP6783 | 05/05/2025 | 06/21/2025 | Jagrut Upadhyay | None | None | Rahul Chavli 05/16/2025 |

**FROM** 0.26700ml of S10104 + 0.40000ml of S11496 + 0.50000ml of S12115 + 1.00000ml of S11162 + 1.00000ml of S12271 + 1.00000ml of S12277 + 1.00000ml of S12793 + 1.00000ml of S13078 + 3.83300ml of E3930 = Final Quantity: 10.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 413 | 80 ng BNA ICC, 80 PPM | SP6784 | 05/05/2025 | 06/21/2025 | Jagrut Upadhyay | None | None | Rahul Chavli 05/16/2025 |

**FROM** 0.01000ml of S12662 + 0.20000ml of E3930 + 0.80000ml of SP6783 = 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 |
|---|---|---|---|---|---|---|---|---|
| 412 | 60 ng BNA ICC, 60 PPM | SP6785 | 05/05/2025 | 06/21/2025 | Jagrut Upadhyay | None | None | Rahul Chavli 05/16/2025 |

**FROM** 0.01000ml of S12662 + 0.40000ml of E3930 + 0.60000ml of SP6783 = Final Quantity: 1.010 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 411 | 50 ng BNA ICC, 50 PPM | SP6786 | 05/05/2025 | 06/21/2025 | Jagrut Upadhyay | None | None | Rahul Chavli 05/16/2025 |

**FROM** 0.01000ml of S12662 + 0.50000ml of E3930 + 0.50000ml of SP6783 = 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 |
|---|---|---|---|---|---|---|---|---|
| 410 | 40 ng BNA ICC, 40 PPM | SP6787 | 05/05/2025 | 06/21/2025 | Jagrut Upadhyay | None | None | Rahul Chavli 05/16/2025 |

**FROM** 0.01000ml of S12662 + 0.60000ml of E3930 + 0.40000ml of SP6783 = Final Quantity: 1.010 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3678 | 20 ng BNA ICC, 20 PPM | SP6788 | 05/05/2025 | 06/21/2025 | Jagrut Upadhyay | None | None | Rahul Chavli 05/16/2025 |

**FROM** 0.01000ml of S12662 + 0.80000ml of E3930 + 0.20000ml of SP6783 = 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 |
|---|---|---|---|---|---|---|---|---|
| 407 | 5 ng BNA ICC, 5 PPM | SP6789 | 05/05/2025 | 06/21/2025 | Jagrut Upadhyay | None | None | Rahul Chavli 05/16/2025 |

**FROM** 0.01000ml of S12662 + 0.95000ml of E3930 + 0.05000ml of SP6783 = Final Quantity: 1.010 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 408 | 10 ng BNA ICC, 10 PPM | SP6790 | 05/05/2025 | 06/21/2025 | Jagrut Upadhyay | None | None | Rahul Chavli 05/16/2025 |

**FROM** 0.01000ml of S12662 + 0.90000ml of E3930 + 0.10000ml of SP6783 = 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 |
|---|---|---|---|---|---|---|---|---|
| 175 | 2.5 ng BNA ICC, 2.5 PPM | SP6791 | 05/05/2025 | 06/21/2025 | Jagrut Upadhyay | None | None | Rahul Chavli 05/16/2025 |

**FROM** 0.01000ml of S12662 + 0.50000ml of E3930 + 0.50000ml of SP6789 = Final Quantity: 1.010 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 | 07/01/2025 | 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-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 6789 | 09/24/2025 | 03/14/2025 / Rajesh | 03/13/2025 / Rajesh | E3921 |

| 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 |

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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) | 25A0262002 | 02/20/2026 | 05/02/2025 / RUPESH | 03/09/2025 / RUPESH | E3930 |

| 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 | 07/30/2025 | 01/30/2025 / anahy | 12/09/2021 / Christian | S10104 |

| 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] | A0185300 | 05/31/2025 | 04/30/2025 / Rahul | 05/18/2022 / Christian | S10399 |

| 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] | A0186373 | 06/30/2025 | 01/29/2025 / anahy | 07/05/2022 / Christian | S10584 |

| 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] | A0194702 | 07/29/2025 | 01/29/2025 / anahy | 02/20/2023 / Christian | S11143 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days) | 414125 | 06/21/2025 | 05/05/2025 / Jagrut | 03/06/2023 / Christian | S11162 |

| 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 |

| 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 | 07/29/2025 | 01/29/2025 / anahy | 11/09/2023 / Yogesh | S11650 |

| 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 | A0196453 | 10/25/2025 | 04/25/2025 / Jagrut | 11/21/2023 / Rahul | S11789 |

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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 | A0196453 | 10/30/2025 | 04/30/2025 / Rahul | 11/21/2023 / Rahul | S11790 |

| 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 | 10/30/2025 | 04/30/2025 / Rahul | 11/21/2023 / rahul | S11798 |

| 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 | 10/30/2025 | 04/30/2025 / Rahul | 11/21/2023 / rahul | S11799 |

| 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 |

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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 | 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 |

| 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 |

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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 | 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 |

| 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 |

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# CHEMICAL RECEIPT LOG BOOK

| 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 | 10/28/2025 | 04/28/2025 / Jagrut | 05/24/2024 / Rahul | S12271 |

| 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 |

| 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 | 10/25/2025 | 04/25/2025 / Jagrut | 07/23/2024 / RAHUL | S12488 |

| 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 | 10/30/2025 | 04/30/2025 / Rahul | 07/23/2024 / RAHUL | S12489 |

| 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 | 10/30/2025 | 04/30/2025 / Rahul | 07/23/2024 / RAHUL | S12490 |

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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 | 10/30/2025 | 04/30/2025 / Rahul | 07/23/2024 / RAHUL | S12491 |

| 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 | 10/30/2025 | 04/30/2025 / Rahul | 07/23/2024 / RAHUL | S12492 |

| 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 | 10/30/2025 | 04/30/2025 / Rahul | 07/23/2024 / RAHUL | S12493 |

| 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 | 10/30/2025 | 04/30/2025 / Rahul | 07/23/2024 / RAHUL | S12494 |

| 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 | 10/30/2025 | 04/30/2025 / Rahul | 07/23/2024 / RAHUL | S12495 |

| 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 | 10/30/2025 | 04/30/2025 / Rahul | 07/23/2024 / RAHUL | S12496 |

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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 | 10/10/2025 | 04/10/2025 / Jagrut | 07/23/2024 / RAHUL | S12534 |

| 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 | 11/01/2025 | 04/30/2025 / Rahul | 07/23/2024 / RAHUL | S12535 |

| 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 | 11/01/2025 | 04/30/2025 / Rahul | 07/23/2024 / RAHUL | S12536 |

| 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 | 11/01/2025 | 04/30/2025 / Rahul | 07/23/2024 / RAHUL | S12537 |

| 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 | 11/01/2025 | 04/30/2025 / Rahul | 07/23/2024 / RAHUL | S12538 |

| 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 | 11/01/2025 | 04/30/2025 / Rahul | 07/23/2024 / RAHUL | S12539 |

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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 | 11/01/2025 | 04/30/2025 / Rahul | 07/23/2024 / RAHUL | S12540 |

| 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 | 11/01/2025 | 04/30/2025 / Rahul | 07/23/2024 / RAHUL | S12541 |

| 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 | 10/30/2025 | 04/30/2025 / Rahul | 07/23/2024 / RAHUL | S12542 |

| 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 | 11/01/2025 | 05/01/2025 / Rahul | 09/20/2024 / anahy | S12662 |

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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 | 31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL | A0212266 | 11/16/2025 | 05/16/2025 / Rahul | 09/20/2024 / anahy | S12665 |

| 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) | 414127 | 06/21/2025 | 05/05/2025 / Jagrut | 05/24/2024 / Rahul | S12793 |

| 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 | 04/30/2025 / Rahul | 12/11/2024 / anahy | S12976 |

| 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 | 04/30/2025 / Rahul | 12/11/2024 / anahy | S12977 |

| 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 | 04/30/2025 / Rahul | 12/11/2024 / anahy | S12978 |

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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 | 04/30/2025 / Rahul | 12/11/2024 / anahy | S12979 |

| 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 | 04/30/2025 / Rahul | 12/11/2024 / anahy | S12980 |

| 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 | 04/30/2025 / Rahul | 12/11/2024 / anahy | S12981 |

| 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 | 04/30/2025 / Rahul | 12/11/2024 / anahy | S12982 |

| 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 | 04/30/2025 / Rahul | 12/11/2024 / anahy | S12983 |

| 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 |

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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 | 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 **Page 1 of 1**

| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-110817-01 | 414125 | ≤ -10 °C | Methylene Chloride | 6/21/2025 | Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| acetophenone | 98-86-2 | 99.2 | 85.8.1P | 998 ± 11.5 |
| benzoic acid | 65-85-0 | 100 | 123.7.1P | 1010 ± 5.88 |
| biphenyl | 92-52-4 | 99.9 | 366.29.1P | 999 ± 5.82 |
| 1,2,4,5-tetrachlorobenzene | 95-94-3 | 99.7 | 53.7.2P | 993 ± 5.79 |

Received on
02/07/23
by
CG
S11089
to
S11093

*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: _____
Shane Overcash
**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
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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.

# RESTEK® CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

## Gravimetric Certificate

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.*

Received by CG on 05/19/22

S10393 to S10402

**Catalog No. :** 555871 **Lot No.:** A0185300

**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 :** May 31, 2025 **Storage:** 10°C or colder

**Ship:** Ambient

### CERTIFIED VALUES

| Component # | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | 4-Nitrophenol | 25,060.0 µg/mL | +/- 231.9100 µg/mL | Gravimetric |
| | **CAS #** 100-02-7 (Lot MKCN1089) | | +/- 753.2622 µg/mL | Unstressed |
| | **Purity** 99% | | +/- 905.6020 µg/mL | Stressed |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

Katelyn McGinnis - Operations Tech I

**Date Mixed:** 16-May-2022 **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 combined stressed uncertainty value ( includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

*k* is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

| Label Conditions | Standard Conditions | Non-Standard Conditions |
|---|---|---|
| 25°C Nominal (Room Temperature) | < 60°C | ≥ 60°C up to 7 days |
| 10°C or colder (Refrigerate) | < 40°C | ≥ 40°C up to 7 days |
| 0°C or colder (Freezer)<br>-20°C or colder (Deep Freezer) | < 25°C | ≥ 25°C up to 7 days |

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules 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 ampules. 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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

# CERTIFIED REFERENCE MATERIAL

## Gravimetric Certificate

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.*

Received by CG on 07/05/22 S10583 to S10592

**Catalog No. :** 555868 **Lot No.:** A0186373

**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, 2025 **Storage:** 10°C or colder

**Handling:** Contains carcinogen/reproductive toxin. **Ship:** Ambient

### CERTIFIED VALUES

| Component # | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | Benzidine | 25,200.0 µg/mL | +/- 233.2055 µg/mL | Gravimetric |
| | **CAS #** 92-87-5 (Lot 220511RSR) | | +/- 351.6606 µg/mL | Unstressed |
| | **Purity** 99% | | +/- 512.6054 µg/mL | Stressed |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

Tom Suckar - Mix Technician **Date Mixed:** 16-Jun-2022 **Balance:** 1122030677

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 combined stressed uncertainty value ( includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

*k* is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

| Label Conditions | Standard Conditions | Non-Standard Conditions |
|---|---|---|
| 25°C Nominal (Room Temperature) | < 60°C | ≥ 60°C up to 7 days |
| 10°C or colder (Refrigerate) | < 40°C | ≥ 40°C up to 7 days |
| 0°C or colder (Freezer)<br>-20°C or colder (Deep Freezer) | < 25°C | ≥ 25°C up to 7 days |

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules 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 ampules. 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.

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*

**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.:** A0194702

**Description :** Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** February 28, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) |
|---|---|---|---|---|---|
| 1 | Hexachlorocyclopentadiene | 77-47-4 | 0012019 | 99% | 25,008.0 µg/mL |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

Russ Bookhamer - Operations Technician I

**Date Mixed:** 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek Registered Quality Certificate #FM

## tified Reference Material Notes

### tes:

n date valid for unopened ampul stored in compliance with the recommended conditions.

nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the mpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

### rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

erage factor of 2, which gives a level of confidence of approximately 95%.

ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure nimum packaged amount can be sufficiently transferred.

### Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability ı, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with ards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, des complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

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

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

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

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

E3930

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

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

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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. :** 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

S11487 ↓ S11493 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.

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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.
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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.:** 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.)

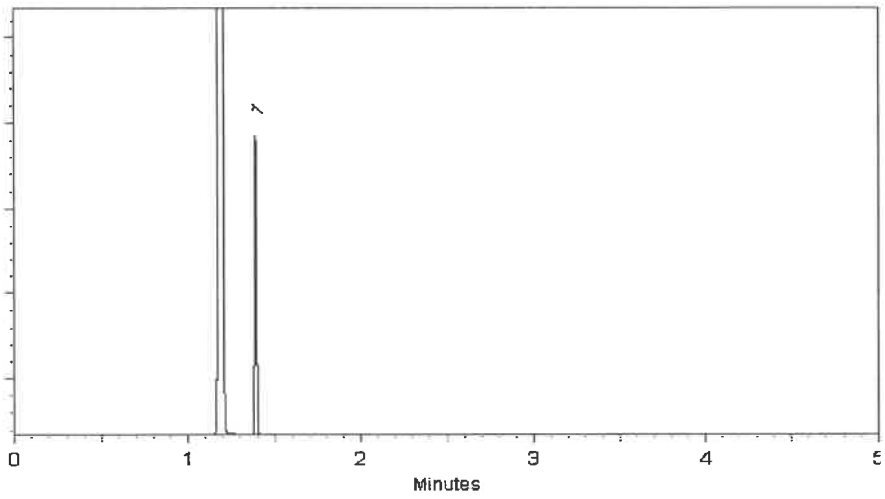
**Inj. Temp:**
250°C

**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.
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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.:** 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.)

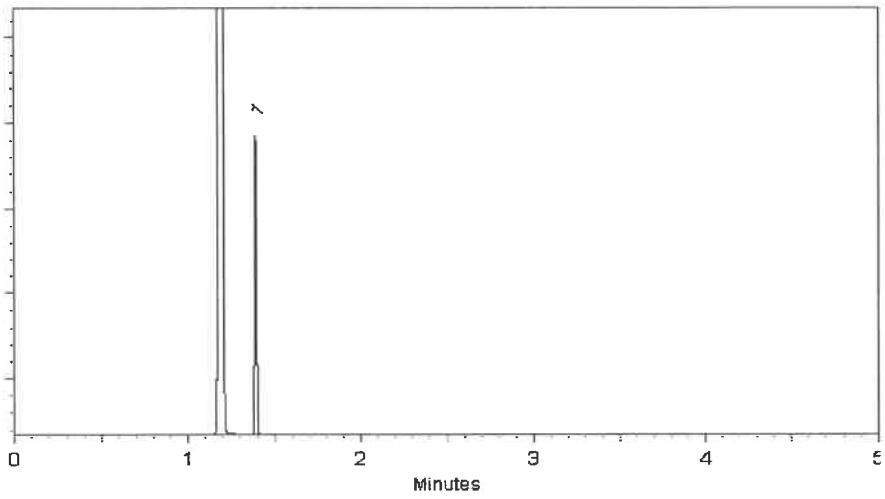
**Inj. Temp:**
250°C

**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:

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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.:** 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.)

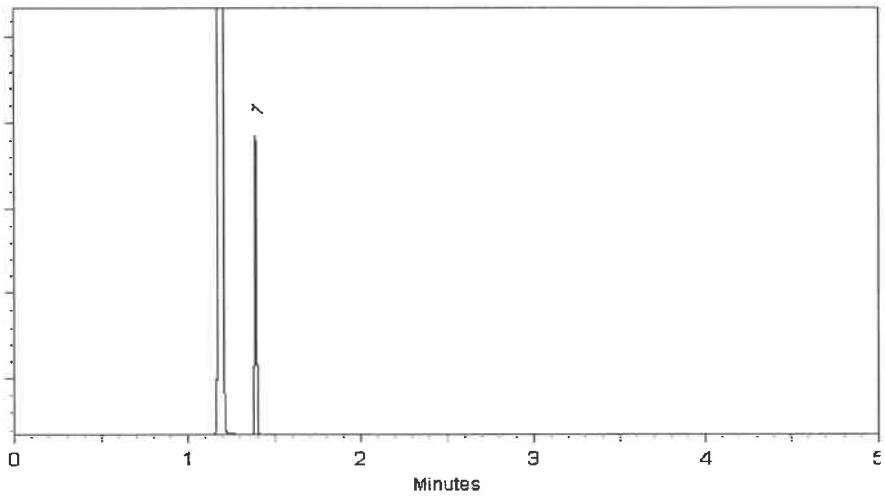
**Inj. Temp:**
250°C

**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.
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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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ 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:

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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.)

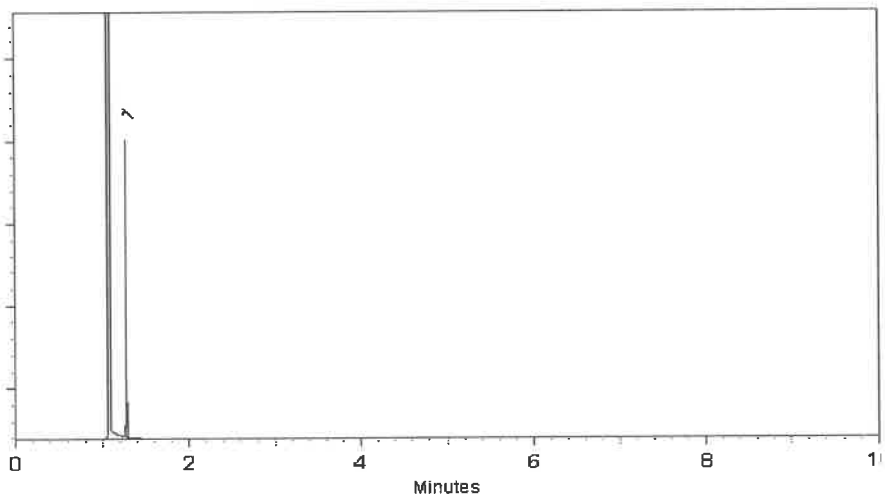
**Inj. Temp:**
250°C

**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.

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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. :** 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.)

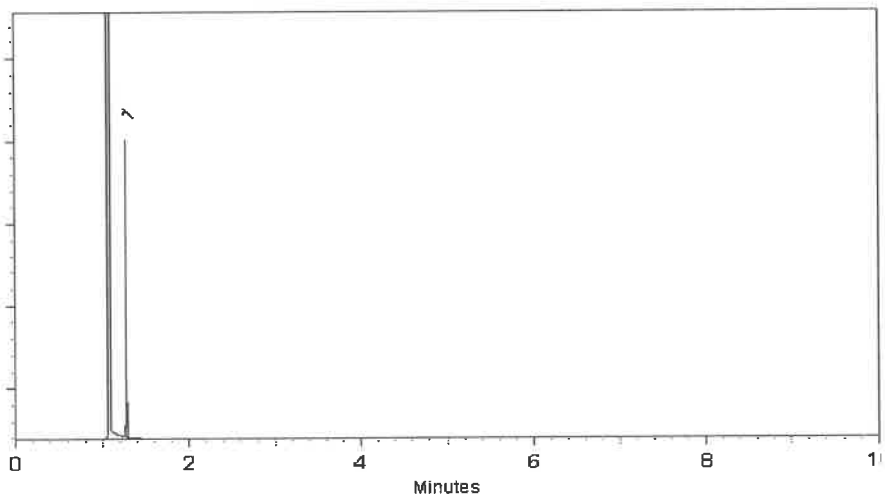
**Inj. Temp:**
250°C

**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.

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

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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.)

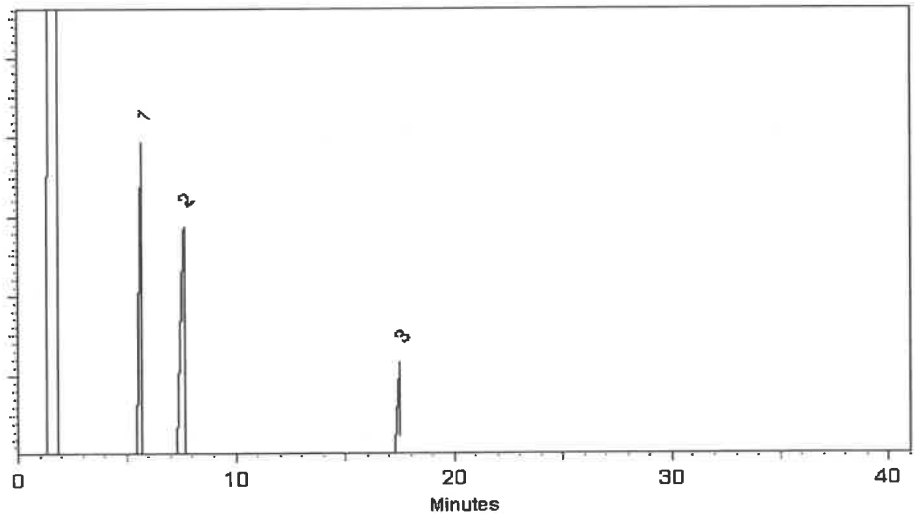
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




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

# 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. :** 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.)

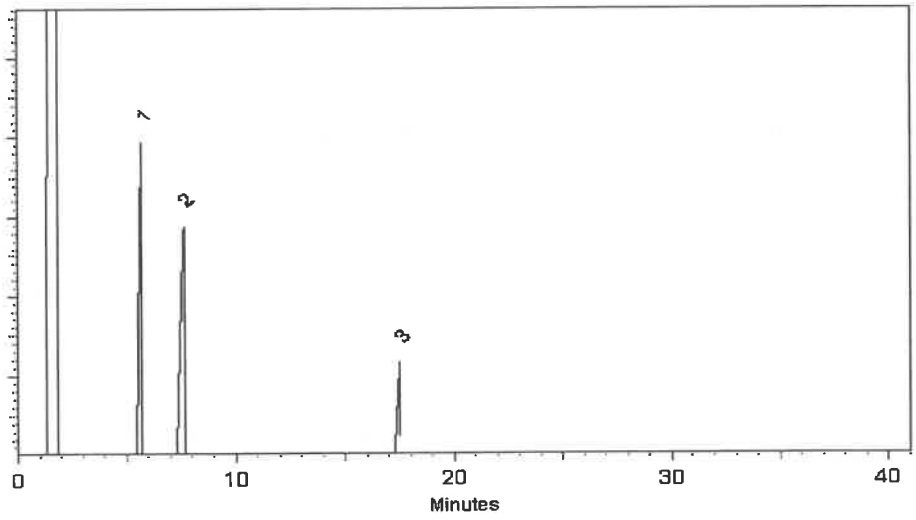
**Inj. Temp:**
250°C

**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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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

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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.)

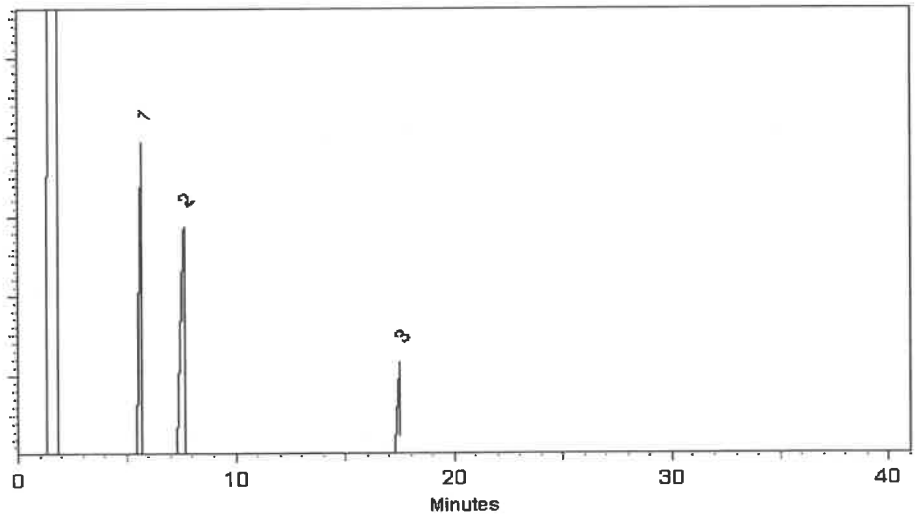
**Inj. Temp:**
250°C

**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

**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*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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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. :** 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.)

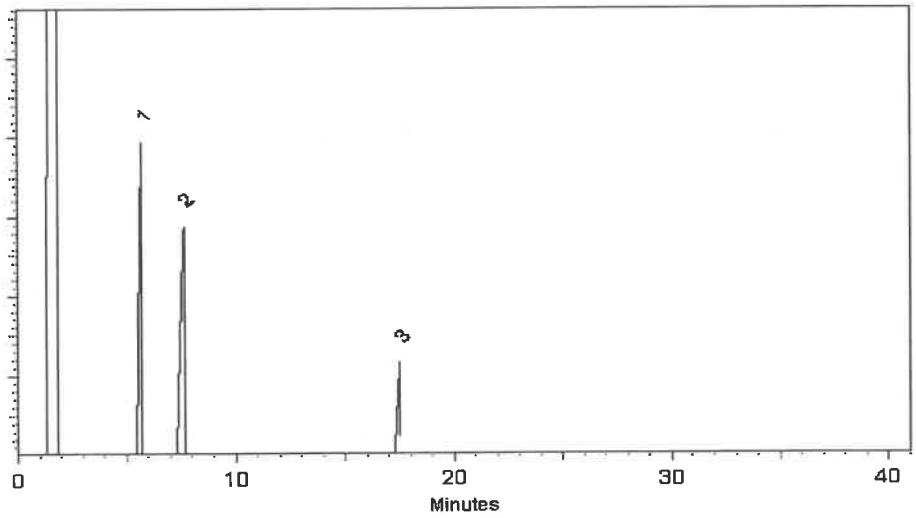
**Inj. Temp:**
250°C

**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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**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.)

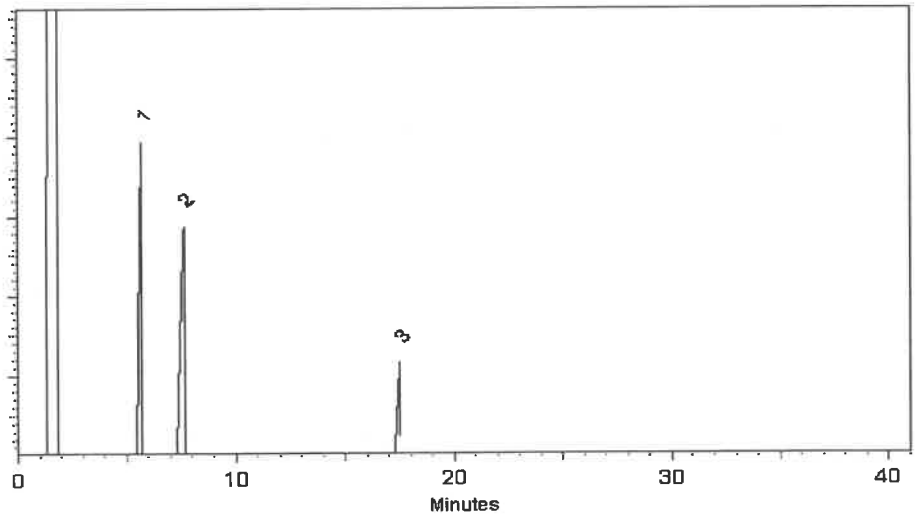
**Inj. Temp:**
250°C

**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

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***

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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.)

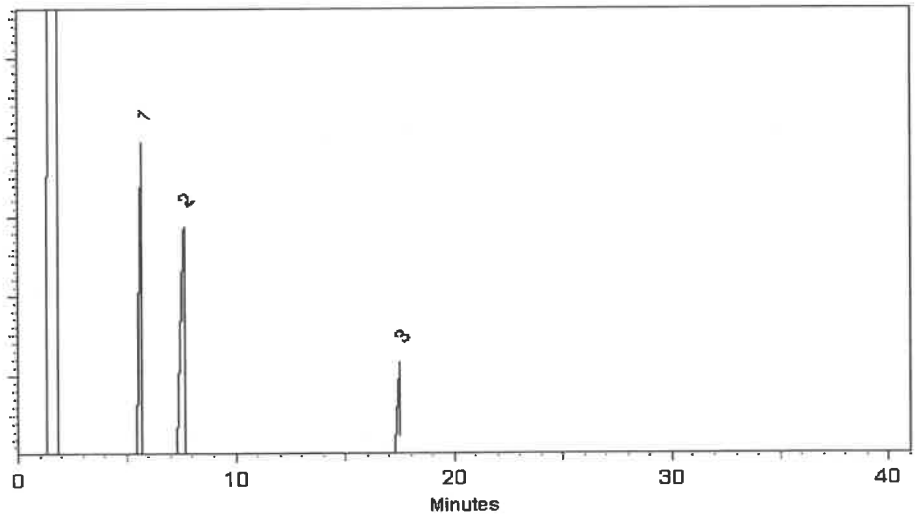
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl

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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

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. :** 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.)

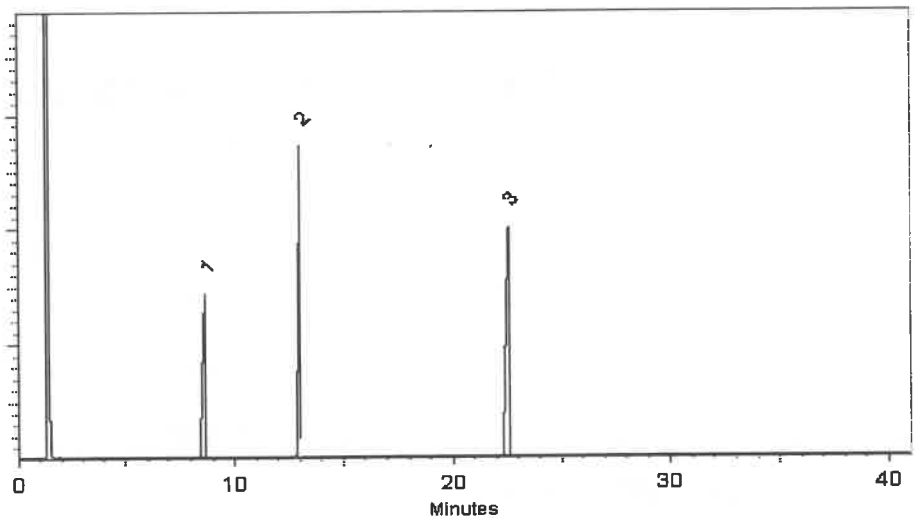
**Inj. Temp:**
250°C

**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

**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

S12207 ↓ S12221 RC/ 03/18/24

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 |
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| 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.)

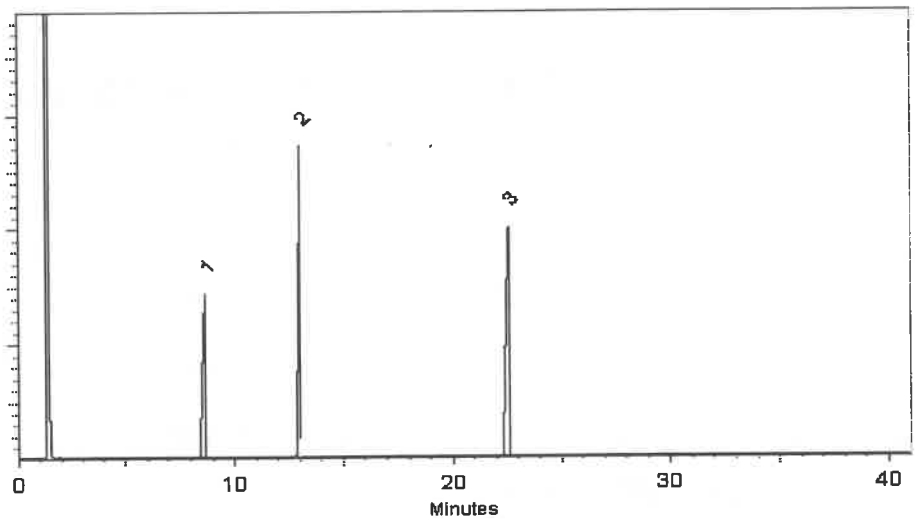
**Inj. Temp:**
250°C

**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) |
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| 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.)

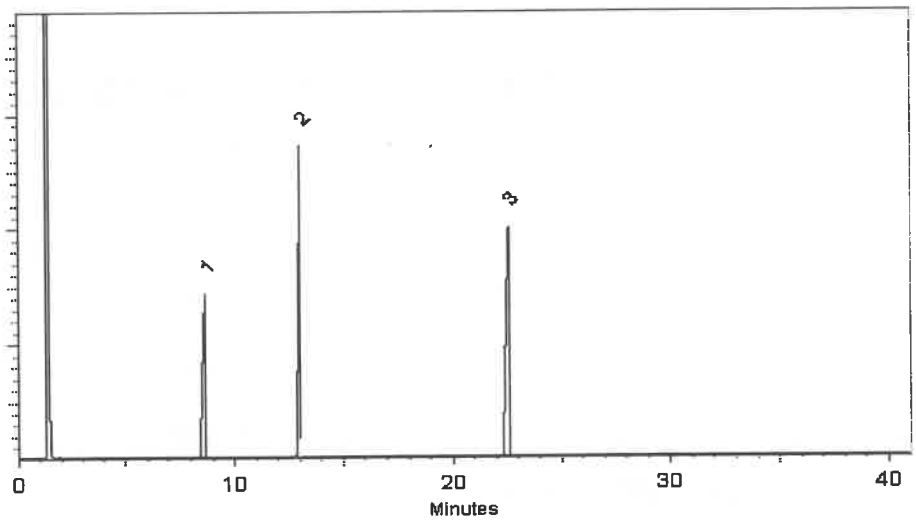
**Inj. Temp:**
250°C

**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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*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) |
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| 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.)

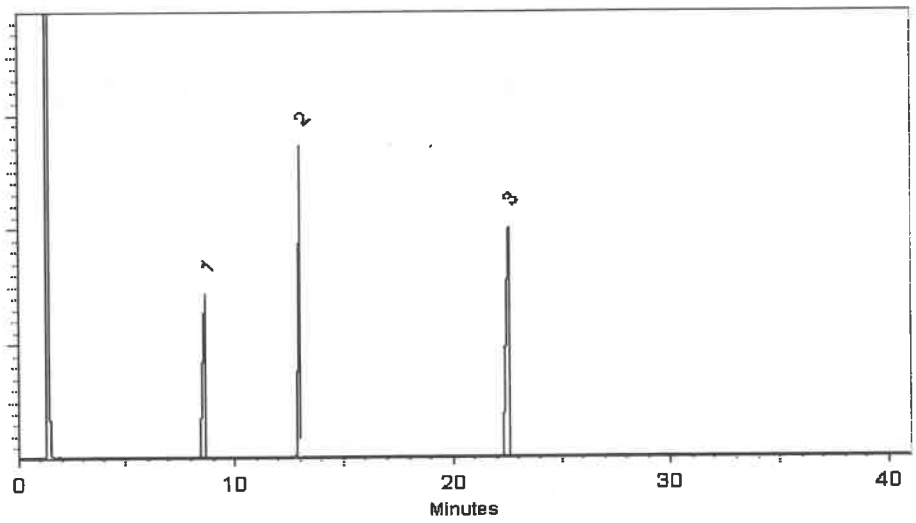
**Inj. Temp:**
250°C

**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

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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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| 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.)

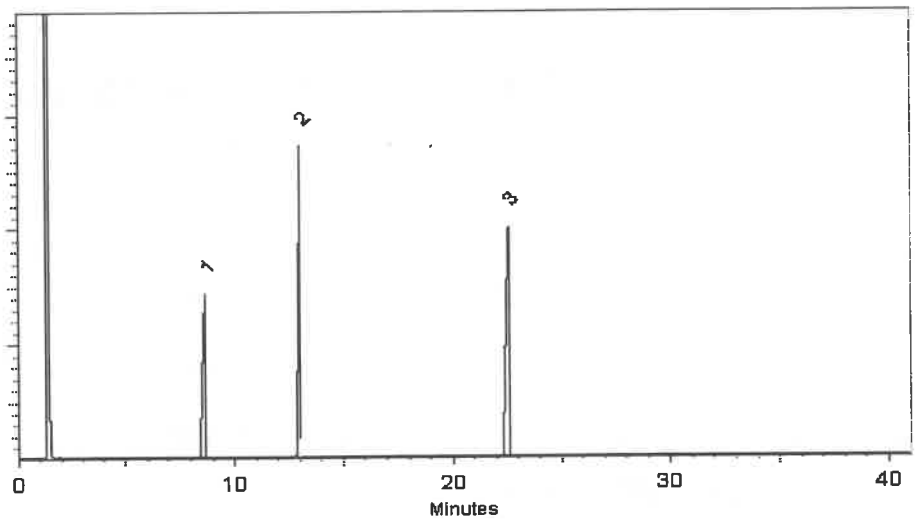
**Inj. Temp:**
250°C

**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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***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) |
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| 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
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250°C

**Det. Temp:**
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**Det. Type:**
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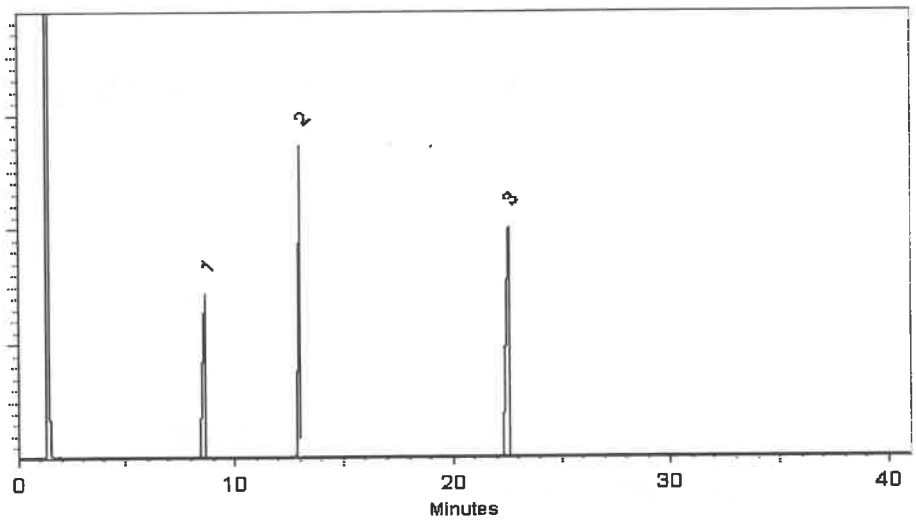
**Split Vent:**
2 ml/min.

**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

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S12207 ↓ S12221 RC/ 03/18/24

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**Det. Type:**
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**Split Vent:**
2 ml/min.

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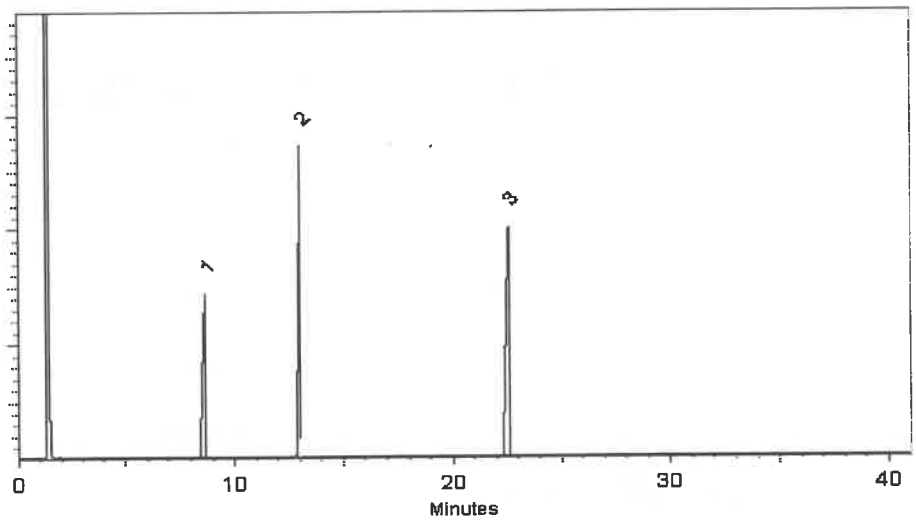


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**Date Mixed:** 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

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S12207 ↓ S12221 RC/ 03/18/24

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**Handling:** Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

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|---|---|---|---|---|---|---|
| 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.)

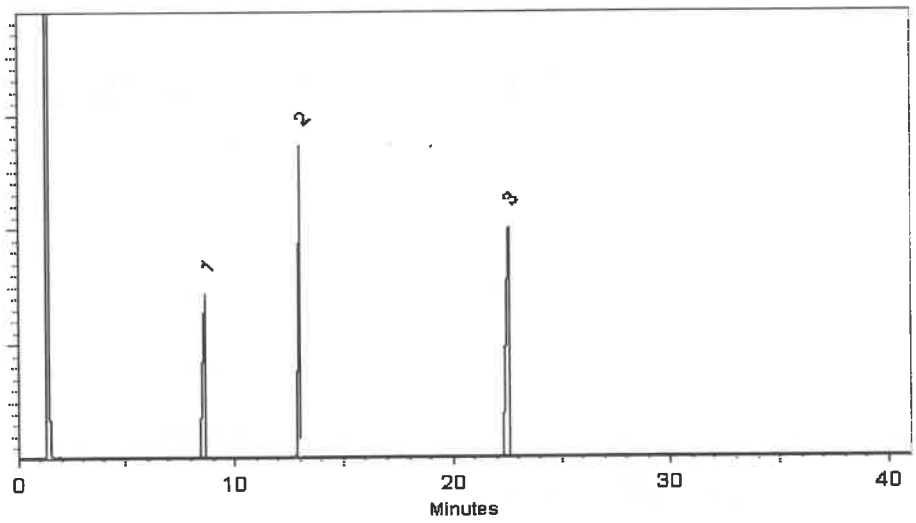
**Inj. Temp:**
250°C

**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**

CPI INTERNATIONAL

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(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

Kerry E Kane

Certified By: _____

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 |

*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 |
|---|---|---|---|---|
| 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**

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 |
|---|---|---|---|---|
| 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 |

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
**Chemist**

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Manufacturer's Quality System
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by TUV USA to ISO 9001:2015

Date Received: _____

# 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 gravimetricllly.

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CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

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# 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

### 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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CERTIFIED REFERENCE MATERIAL

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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. :** 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:

- 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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# 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

### 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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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*gravimetric*

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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. :** 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%.

- 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:

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Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

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*gravimetric*

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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:

- 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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110 Benner Circle
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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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### Manufacturing Notes:

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**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

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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

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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
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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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**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

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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

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| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
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**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

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Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

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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:

- 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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# 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:

- 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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# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***gravimetric***

ISO 17034 Accredited
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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. :** 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:

- 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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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. :** 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.)

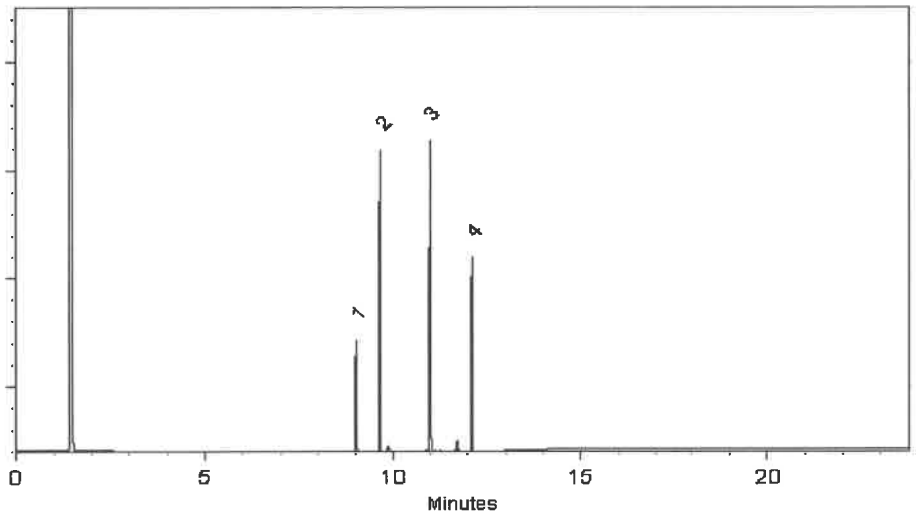
**Inj. Temp:**
250°C

**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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CERTIFIED REFERENCE MATERIAL

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Certificate #3222.01

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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Fax: 1-814-353-1309

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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. :** 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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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. :** 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

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 | 414127 | ≤-10 °C | Methylene Chloride | 6/21/2025 | 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 | 337.7.3P | 997 ± 5.81 |
| benzidine | 92-87-5 | 99.9 | 124.18.6.2P | 991.8 ± 5.77 |
| caprolactam | 105-60-2 | 99.9 | 271.1.6P | 999 ± 5.82 |

S12280 ↓ S12284 RCI 05/24/24

New numbers Generated.

S12790 ↓ S12794 RCI 11/12/24

*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: _____
Shane Overcash
**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. :** 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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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
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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. :** 31850 **Lot No.:** A0219438

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12963 ↓ S12992 } AC 12/17/24

**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

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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Fax: 1-814-353-1309

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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

S12963 → S12992 AC 12/17/24

**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

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
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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

S12963 ↓ S12992 AC 12/17/24

**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

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

S12963 ↓ S12992 AC 12/17/24

**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

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-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.

S13078 ↓ S13087 } 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

# SHIPPING DOCUMENTS

# CHEMTECH
## CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 78-8922
www.chemtech.net

**Chemtech Project Number:** Q2064

**COC Number:**

### CLIENT INFORMATION

COMPANY: Tetra Tech
ADDRESS: 4433 Corporation Ln, Suite 300
CITY: Virginia Beach STATE: VA ZIP: 23462
ATTENTION: Ernie Wu
PHONE: 757-466-4901 FAX: 757-461-4148

### PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT #: 112G08005-WE13 LOCATION: RW8
PROJECT MANAGER: Ernie Wu
E-MAIL: ernie,wu@tetratech.com
PHONE: 757-466-4901 FAX: 757-461-4148

### BILLING INFORMATION

BILL TO: PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

### DATA TURNAROUND INFORMATION

FAX: 5 DAYS*
HARD COPY: 5 DAYS*
EDD 5 DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

### DATA DELIVERABLE INFORMATION

- ❑ RESEULTS ONLY
- ❑ RESULTS + QC
- ❑ New Jersey REDUCED
- ❑ New Jersey CLP
- ❑ USEPA CLP
- ❑ New York State ASP "B"
- ❑ New York State ASP "A"
- ❑ Other
- ❑ EDD Format

### ANALYSIS

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane SW846 8270 SIM | TAL Metals SW846 6010D/7471A | TCL SVOCS SW846 8270 | | | | | | |

| CHEMTECH 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | B | | | | | | | |
| 1. | RW8-SP100-70%-20250514 | GW | | x | 5/14/25 | 15:10 | 3 | x | x | x | | | | | | |
| 2. | RW8-SP201-70%-20250514 | GW | | x | 5/14/25 | 15:11 | 1 | x | | | | | | | | |
| 3. | RW8-SP301-70%-20250514 | GW | | x | 5/14/25 | 15:13 | 1 | x | | | | | | | | |
| 4. | RW8-SP303-70%-20250514 | GW | | x | 5/14/25 | 15:14 | 3 | x | x | x | | | | | | |
| 5. | RW8-SP100-90%-20250514 | GW | | x | 5/14/25 | 16:00 | 3 | x | x | x | | | | | | |
| 6. | RW8-SP201-90%-20250514 | GW | | x | 5/14/25 | 16:01 | 1 | x | | | | | | | | |
| 7. | RW8-SP301-90%-20250514 | GW | | x | 5/14/25 | 16:03 | 1 | x | | | | | | | | |
| 8. | RW8-SP303-90%-20250514 | GW | | x | 5/14/25 | 16:04 | 3 | x | x | x | | | | | | |
| 9. | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | |

**COMMENTS**
<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

### SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

| | DATE/TIME | | |
|---|---|---|---|
| 1. RELINQUISHED BY SAMPLER | 5/15/25 1200 | 1. RECEIVED BY | |
| 2. RELINQUISHED BY | 5/16/25 1005 | 2. RECEIVED BY | |
| 3. RELINQUISHED BY | DATE/TIME | 3. RECEIVED FOR LAB BY | |

**Conditions of bottles or coolers at receipt:** ❑ Compliant ❑ Non Compliant ❑ Cooler Temp 3.1°C
MeOH extraction requires an additional 4oz. Jar for percent solid ❑ Ice in Cooler? Yes
**Comments:**

Page ____ of ____

**SHIPPED VIA:** CLIENT: ❑ Hand Delivered ❑ Overnight
CHEMTECH: ❑ Picked Up ❑ Overnight

**Shipment Complete** ❑ YES ❑ NO

**WHITE** - CHEMTECH COPYFOR RETURN TO CLIENT **YELLOW** - CHEMTECH 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 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024615.D
Acq On : 13 May 2025 11:22
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: May 13 16:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.664 | 152 | 90088 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.434 | 136 | 378055 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.293 | 164 | 254561 | 20.000 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.092 | 188 | 531548 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.522 | 240 | 614288 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.810 | 264 | 724260 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.293 | 112 | 51093 | 9.700 | ng | | 0.00 |
| 7) Phenol-d6 | 6.858 | 99 | 58619 | 8.720 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.811 | 82 | 72056 | 9.630 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.810 | 330 | 41219 | 9.551 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.904 | 172 | 203719 | 10.485 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.822 | 244 | 366245 | 10.223 | ng | | 0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.228 | 88 | 14435 | 5.836 | ng | | 95 |
| 3) Pyridine | 3.646 | 79 | 23737 | 4.328 | ng | # | 91 |
| 4) n-Nitrosodimethylamine | 3.546 | 42 | 12080 | 4.989 | ng | # | 96 |
| 6) Aniline | 7.011 | 93 | 38664 | 4.455 | ng | | 97 |
| 8) 2-Chlorophenol | 7.240 | 128 | 27022 | 4.519 | ng | | 93 |
| 9) Benzaldehyde | 6.828 | 77 | 23920 | 5.506 | ng | | 93 |
| 10) Phenol | 6.887 | 94 | 30912 | 4.455 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.099 | 93 | 29668 | 5.204 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.552 | 146 | 35946 | 5.225 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 7.699 | 146 | 35091 | 5.072 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 8.011 | 146 | 34458 | 5.111 | ng | | 99 |
| 15) Benzyl Alcohol | 7.917 | 79 | 19888 | 3.893 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.193 | 45 | 34754 | 5.090 | ng | | 95 |
| 17) 2-Methylphenol | 8.116 | 107 | 21754 | 4.371 | ng | | 97 |
| 18) Hexachloroethane | 8.728 | 117 | 13650 | 5.148 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 8.464 | 70 | 22015 | 4.734 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.452 | 107 | 27500 | 4.063 | ng | | 97 |
| 22) Acetophenone | 8.487 | 105 | 45968 | 4.868 | ng | # | 99 |
| 24) Nitrobenzene | 8.852 | 77 | 31500 | 4.784 | ng | | 97 |
| 25) Isophorone | 9.375 | 82 | 60855 | 4.689 | ng | | 98 |
| 26) 2-Nitrophenol | 9.569 | 139 | 12786 | 3.963 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 9.628 | 122 | 25830 | 4.541 | ng | | 92 |
| 28) bis(2-Chloroethoxy)met... | 9.858 | 93 | 38071 | 4.910 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.122 | 162 | 23623 | 4.285 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.299 | 180 | 32699 | 5.264 | ng | | 99 |
| 31) Naphthalene | 10.481 | 128 | 100564 | 5.133 | ng | | 100 |
| 32) Benzoic acid | 9.787 | 122 | 1450 | 7.094 | ng | # | 86 |
| 33) 4-Chloroaniline | 10.616 | 127 | 32908 | 4.163 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.763 | 225 | 21834 | 5.426 | ng | | 95 |
| 35) Caprolactam | 11.399 | 113 | 6817 | 3.420 | ng | # | 79 |
| 36) 4-Chloro-3-methylphenol | 11.746 | 107 | 29849 | 4.440 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.099 | 142 | 63562 | 5.011 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.316 | 142 | 70043 | 5.160 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.469 | 216 | 37738 | 5.105 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.446 | 237 | 15939 | 3.556 | ng | | 93 |
| 43) 2,4,6-Trichlorophenol | 12.722 | 196 | 19429 | 4.058 | ng | | 92 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024615.D
Acq On : 13 May 2025 11:22
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: May 13 16:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.816 | 196 | 23918 | 4.488 | ng | | 93 |
| 46) 1,1'-Biphenyl | 13.116 | 154 | 96956 | 5.153 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.157 | 162 | 72977 | 5.087 | ng | | 99 |
| 48) 2-Nitroaniline | 13.381 | 65 | 17778 | 4.186 | ng | | 98 |
| 49) Acenaphthylene | 14.010 | 152 | 117448 | 4.892 | ng | | 99 |
| 50) Dimethylphthalate | 13.751 | 163 | 99940 | 5.151 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.869 | 165 | 19052 | 4.649 | ng | # | 85 |
| 52) Acenaphthene | 14.357 | 154 | 70302 | 5.094 | ng | | 96 |
| 53) 3-Nitroaniline | 14.222 | 138 | 16400 | 3.920 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 14.451 | 184 | 4700 | 8.074 | ng | | 95 |
| 55) Dibenzofuran | 14.698 | 168 | 115180 | 5.232 | ng | | 98 |
| 56) 4-Nitrophenol | 14.599 | 139 | 2698 | 4.940 | ng | | 86 |
| 57) 2,4-Dinitrotoluene | 14.675 | 165 | 25481 | 4.411 | ng | | 92 |
| 58) Fluorene | 15.363 | 166 | 93303 | 5.198 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.946 | 232 | 23382 | 4.729 | ng | | 98 |
| 60) Diethylphthalate | 15.134 | 149 | 101366 | 5.169 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.357 | 204 | 47886 | 5.349 | ng | | 98 |
| 62) 4-Nitroaniline | 15.410 | 138 | 10984 | 2.696 | ng | | 99 |
| 63) Azobenzene | 15.651 | 77 | 84462 | 5.035 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.463 | 198 | 10171 | 2.962 | ng | | 89 |
| 66) n-Nitrosodiphenylamine | 15.575 | 169 | 80078 | 4.905 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.275 | 248 | 30702 | 4.902 | ng | | 97 |
| 68) Hexachlorobenzene | 16.387 | 284 | 40234 | 5.055 | ng | | 99 |
| 69) Atrazine | 16.551 | 200 | 27909 | 4.664 | ng | | 98 |
| 70) Pentachlorophenol | 16.757 | 266 | 16456 | 3.681 | ng | | 95 |
| 71) Phenanthrene | 17.134 | 178 | 152030 | 5.145 | ng | | 99 |
| 72) Anthracene | 17.234 | 178 | 145809 | 4.904 | ng | | 99 |
| 73) Carbazole | 17.522 | 167 | 122666 | 4.559 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.104 | 149 | 157014 | 4.537 | ng | | 99 |
| 75) Fluoranthene | 19.228 | 202 | 168865 | 4.889 | ng | | 99 |
| 77) Benzidine | 19.451 | 184 | 32514 | 1.928 | ng | | 98 |
| 78) Pyrene | 19.604 | 202 | 181817 | 4.940 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.551 | 149 | 70341 | 4.297 | ng | | 100 |
| 81) Benzo(a)anthracene | 21.498 | 228 | 192110 | 4.981 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.445 | 252 | 54793 | 3.825 | ng | | 99 |
| 83) Chrysene | 21.575 | 228 | 186449 | 5.099 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.445 | 149 | 103286 | 4.293 | ng | | 97 |
| 85) Di-n-octyl phthalate | 22.692 | 149 | 160883 | 4.089 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.504 | 276 | 242814 | 4.591 | ng | # | 87 |
| 88) Benzo(b)fluoranthene | 23.763 | 252 | 186058 | 4.488 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 23.839 | 252 | 207645 | 4.861 | ng | | 100 |
| 90) Benzo(a)pyrene | 24.657 | 252 | 180157 | 4.525 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.586 | 278 | 193373 | 4.495 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 29.651 | 276 | 199361 | 4.660 | ng | | 98 |

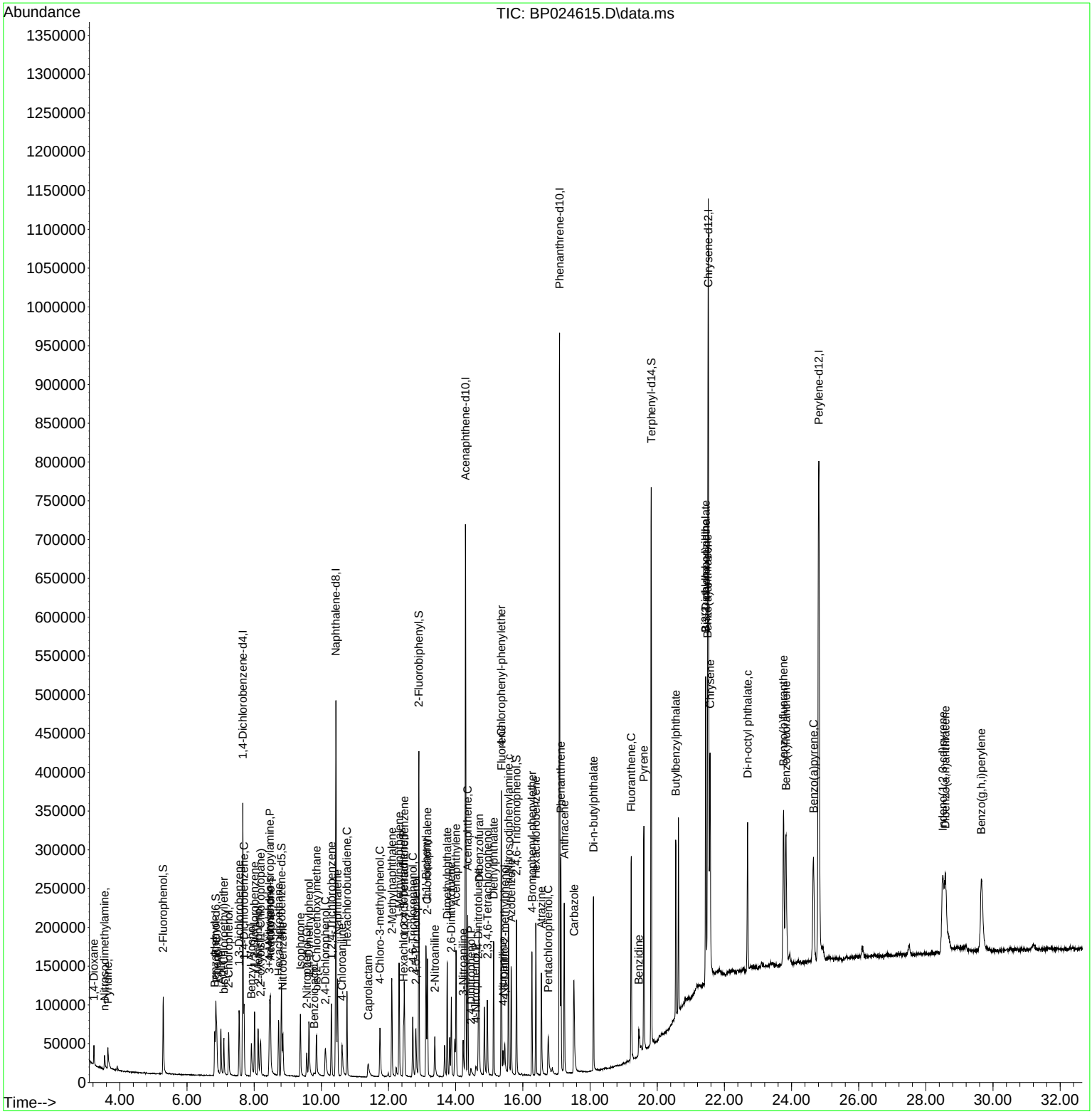
(#) = qualifier out of range (m) = manual integration (+) = signals summed

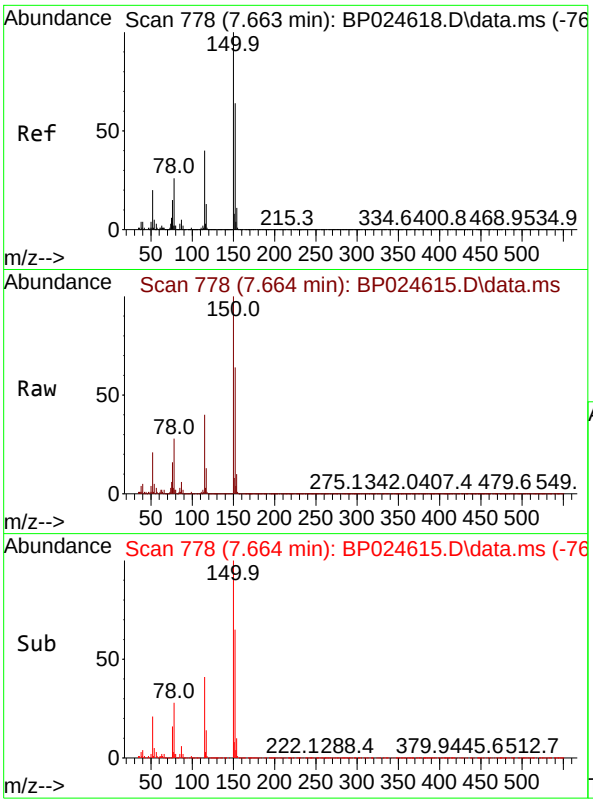
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024615.D
Acq On : 13 May 2025 11:22
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: May 13 16:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration



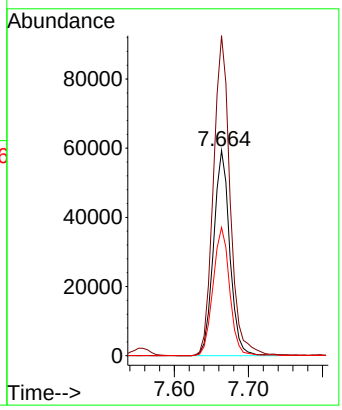


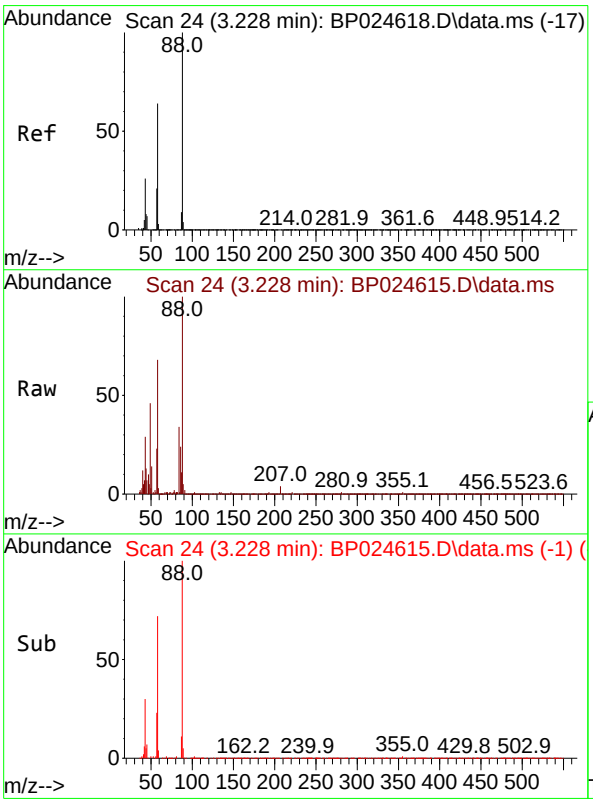

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.664 min Scan# 7
Delta R.T. 0.001 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:152 Resp: 90088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.0 | 125.9 | 188.9 |
| 115 | 62.5 | 50.1 | 75.1 |

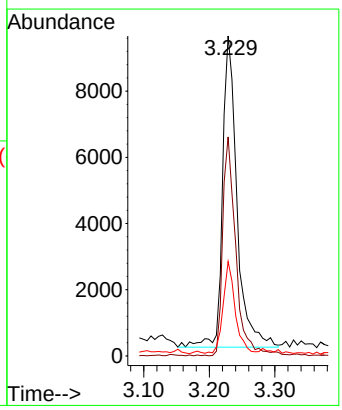


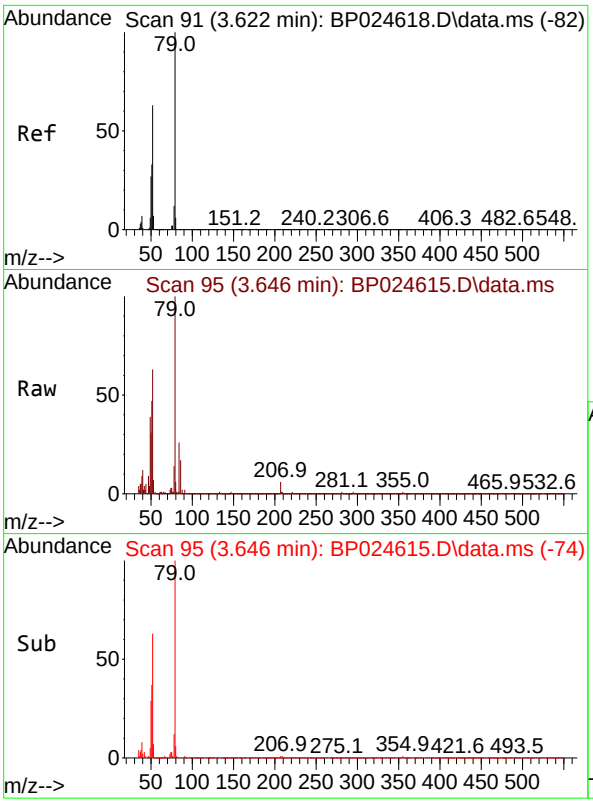




#2
1,4-Dioxane
Concen: 5.836 ng
RT: 3.228 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 88 Resp: 14435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 63.6 | 54.0 | 81.0 |
| 43 | 24.2 | 21.4 | 32.0 |



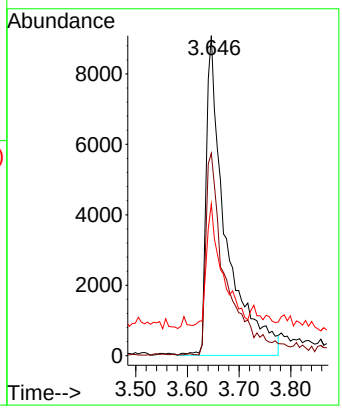


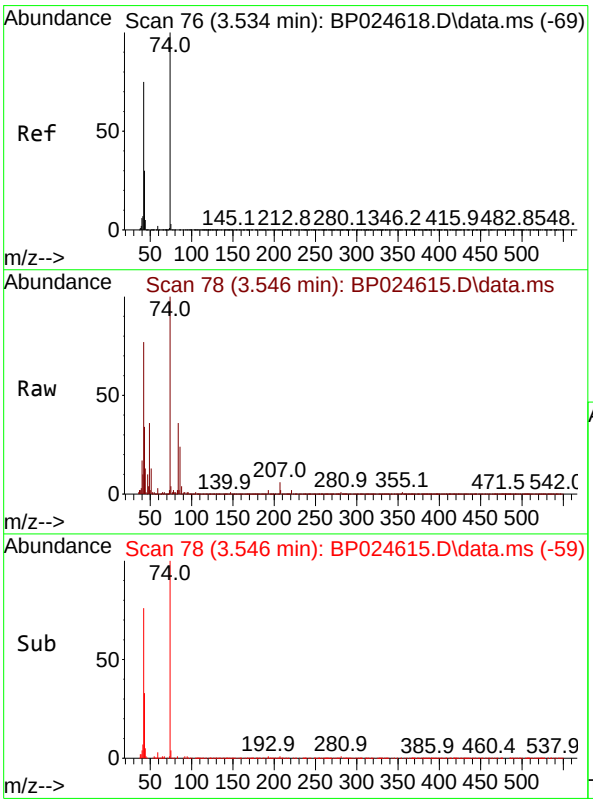

#3
Pyridine
Concen: 4.328 ng
RT: 3.646 min Scan# 9
Delta R.T. 0.024 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion: 79 Resp: 23737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 63.2 | 50.2 | 75.2 |
| 51 | 47.4 | 26.8 | 40.2# |

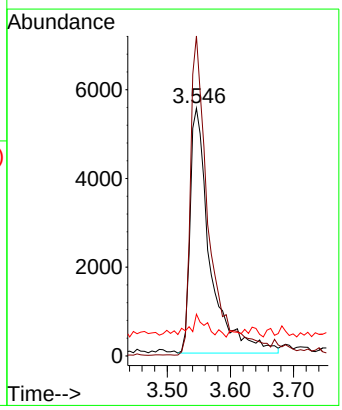


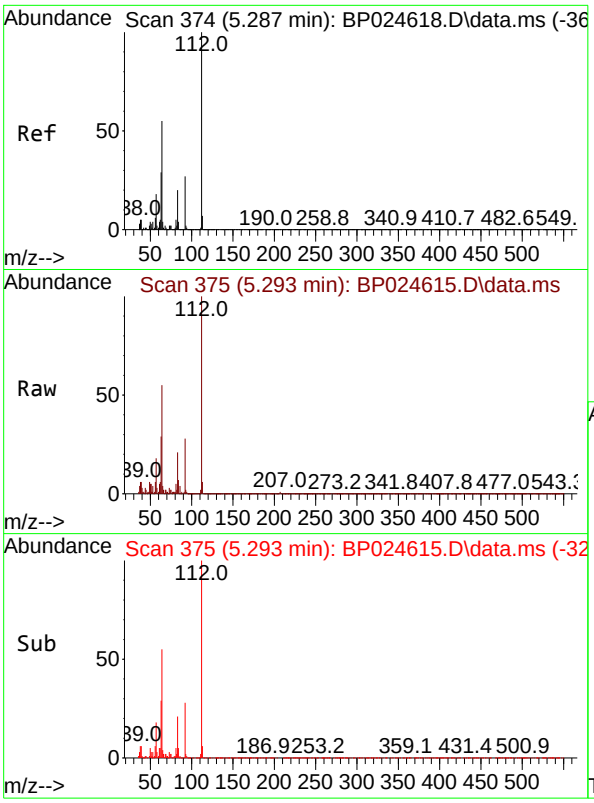




#4
n-Nitrosodimethylamine
Concen: 4.989 ng
RT: 3.546 min Scan# 78
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 42 Resp: 12080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 129.2 | 106.2 | 159.2 |
| 44 | 16.9 | 5.4 | 8.2# |



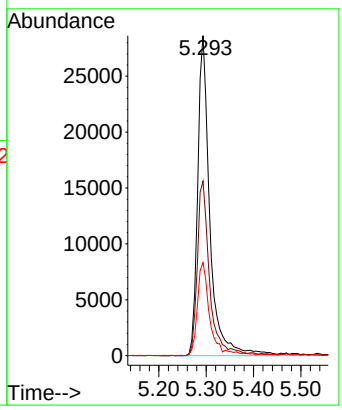


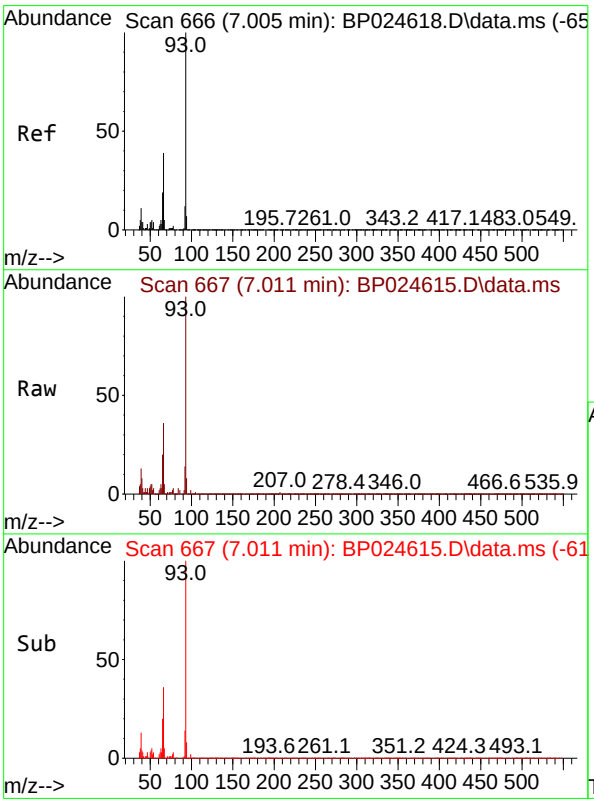

#5
2-Fluorophenol
Concen: 9.700 ng
RT: 5.293 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:112 Resp: 51093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.6 | 44.1 | 66.1 |
| 63 | 29.1 | 23.5 | 35.3 |

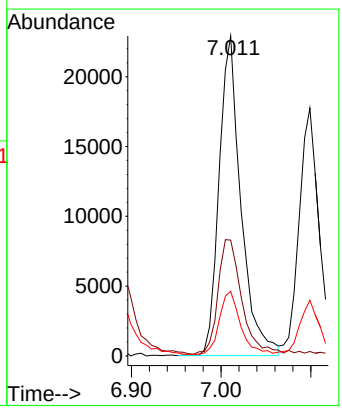


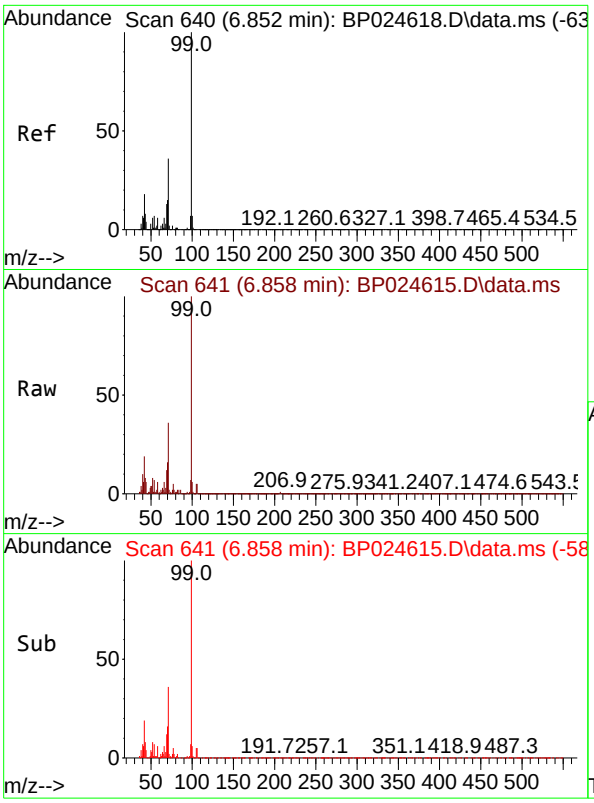




#6
Aniline
Concen: 4.455 ng
RT: 7.011 min Scan# 667
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 93 Resp: 38664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 36.2 | 31.0 | 46.6 |
| 65 | 20.2 | 15.5 | 23.3 |



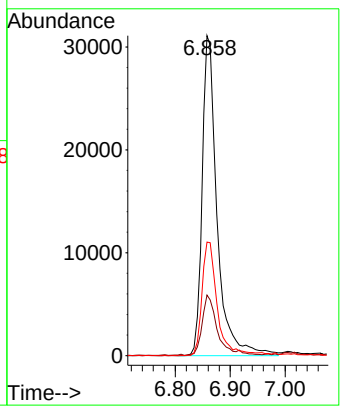


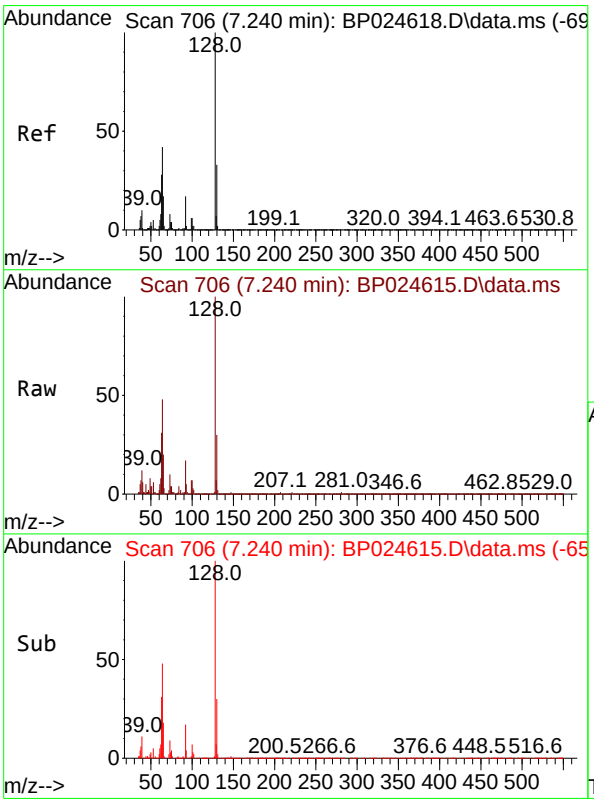

#7
Phenol-d6
Concen: 8.720 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion: 99 Resp: 58619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.9 | 14.4 | 21.6 |
| 71 | 35.5 | 29.2 | 43.8 |

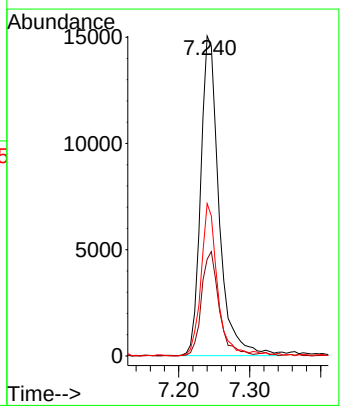


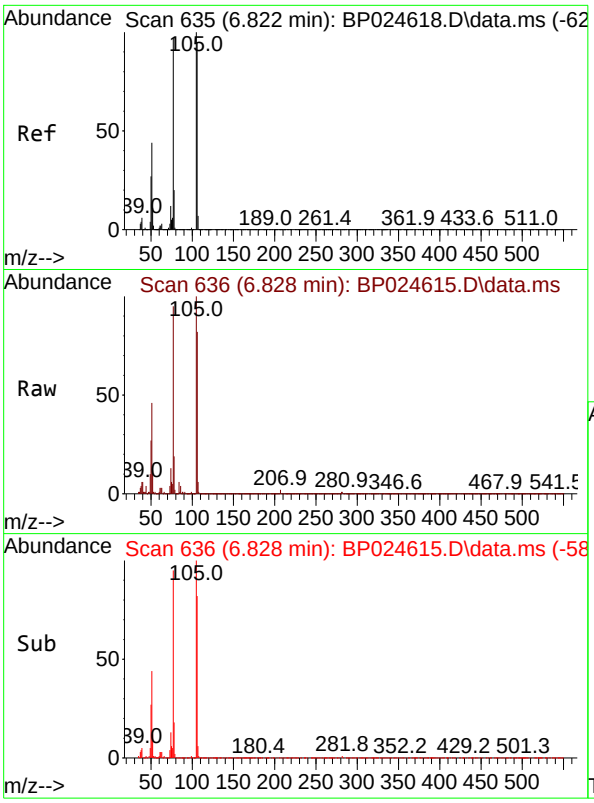




#8
2-Chlorophenol
Concen: 4.519 ng
RT: 7.240 min Scan# 706
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:128 Resp: 27022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 30.3 | 13.0 | 53.0 |
| 64 | 47.6 | 22.3 | 62.3 |



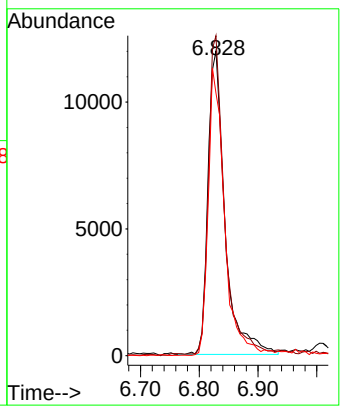


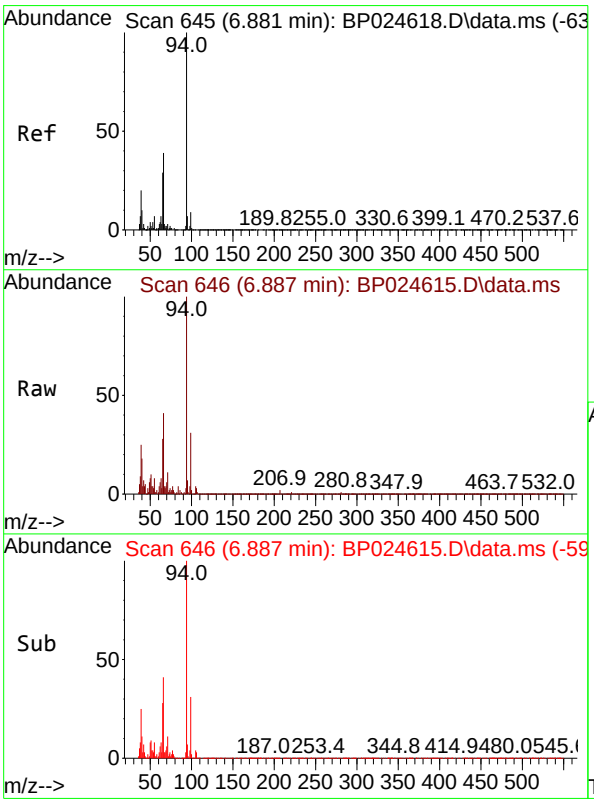

#9
Benzaldehyde
Concen: 5.506 ng
RT: 6.828 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion: 77 Resp: 23920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 105.0 | 83.3 | 123.3 |
| 106 | 86.1 | 78.0 | 118.0 |

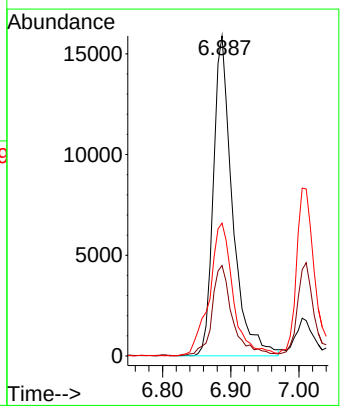


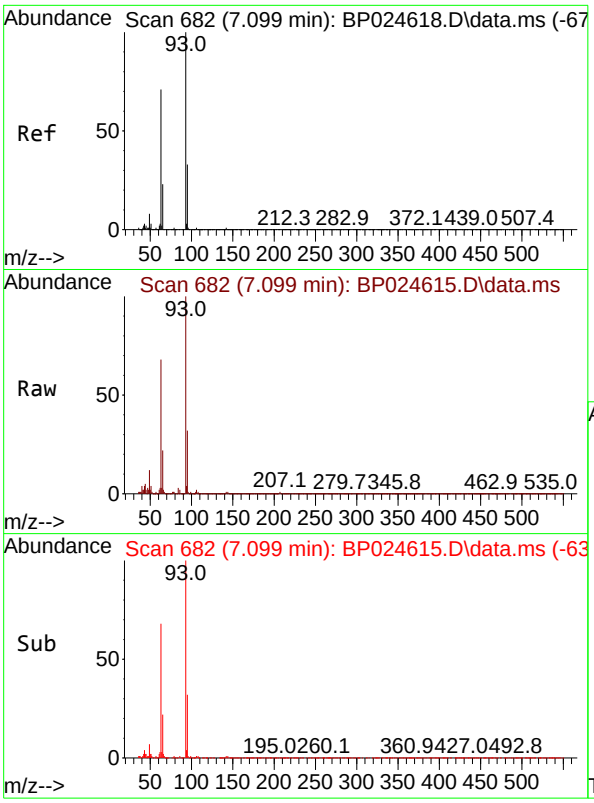




#10
Phenol
Concen: 4.455 ng
RT: 6.887 min Scan# 646
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 94 Resp: 30912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.2 | 8.7 | 48.7 |
| 66 | 41.5 | 19.4 | 59.4 |



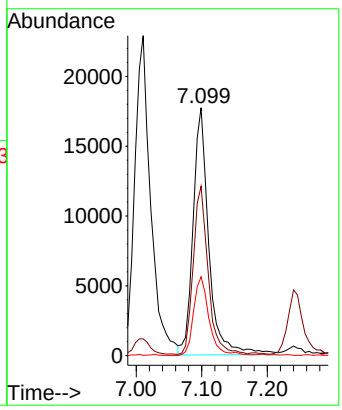


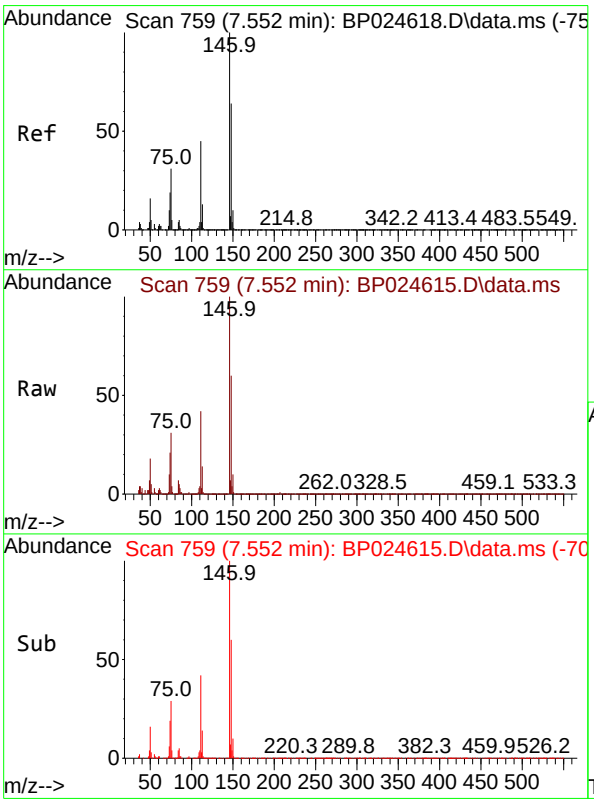

#11
bis(2-Chloroethyl)ether
Concen: 5.204 ng
RT: 7.099 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion: 93 Resp: 29668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 68.3 | 50.6 | 90.6 |
| 95 | 31.8 | 12.9 | 52.9 |

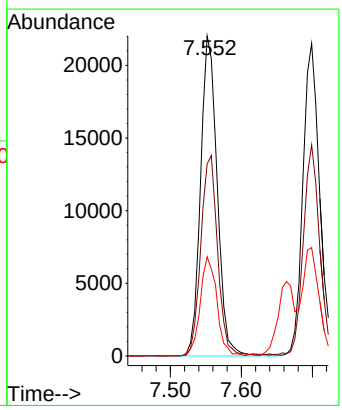


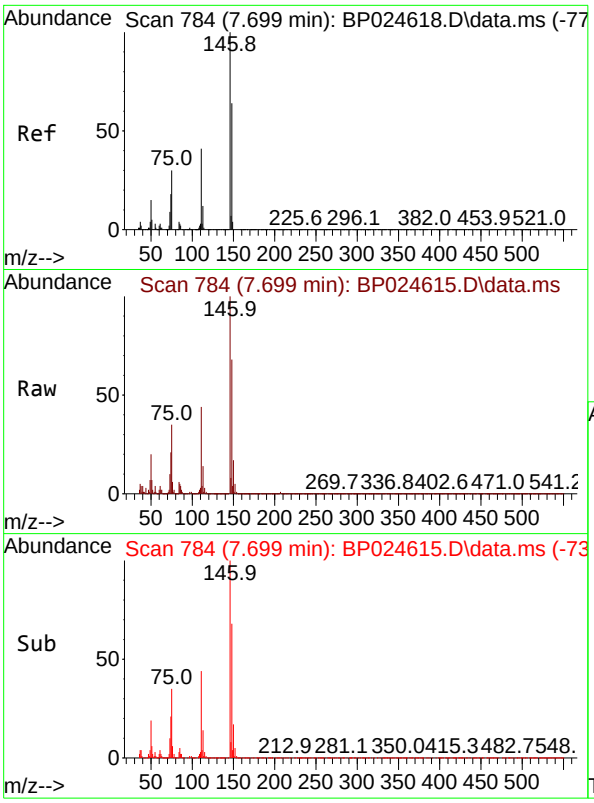




#12
1,3-Dichlorobenzene
Concen: 5.225 ng
RT: 7.552 min Scan# 759
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:146 Resp: 35946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 60.0 | 51.4 | 77.2 |
| 75 | 31.0 | 25.2 | 37.8 |



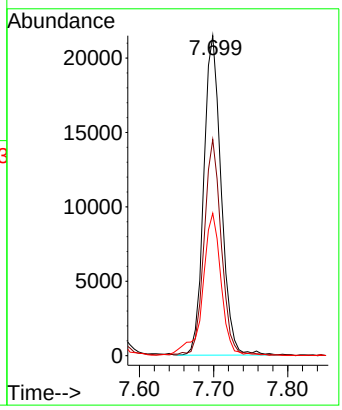


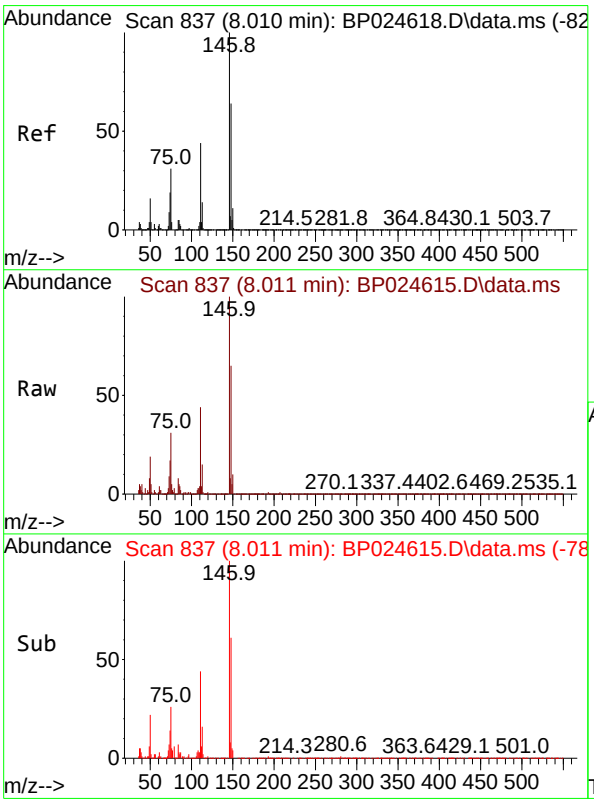

#13
1,4-Dichlorobenzene
Concen: 5.072 ng
RT: 7.699 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:146 Resp: 35091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 67.6 | 51.0 | 76.6 |
| 111 | 44.5 | 33.0 | 49.6 |

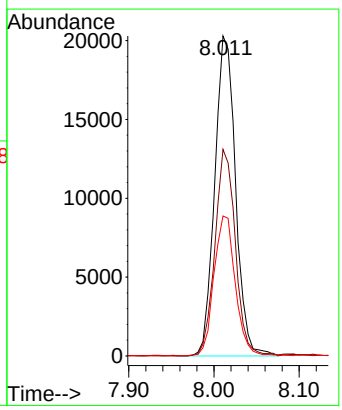


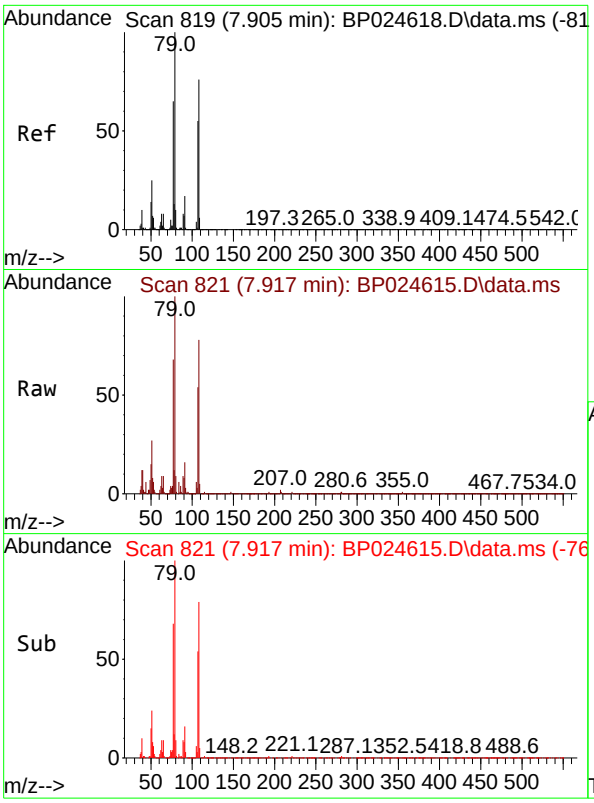




#14
1,2-Dichlorobenzene
Concen: 5.111 ng
RT: 8.011 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:146 Resp: 34458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.6 | 51.0 | 76.4 |
| 111 | 43.7 | 35.2 | 52.8 |



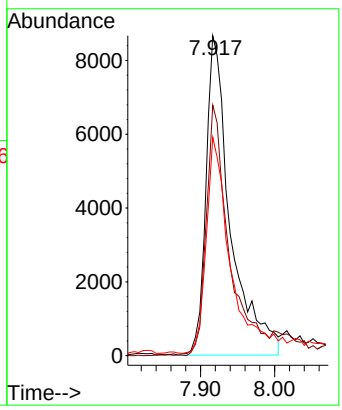


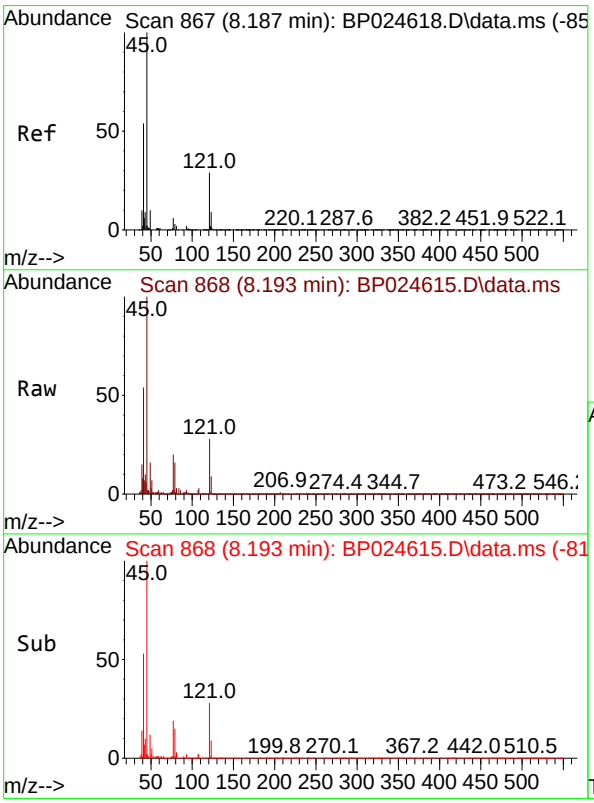

#15
Benzyl Alcohol
Concen: 3.893 ng
RT: 7.917 min Scan# 8
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion: 79 Resp: 19888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 78.3 | 60.8 | 91.2 |
| 77 | 68.2 | 51.9 | 77.9 |

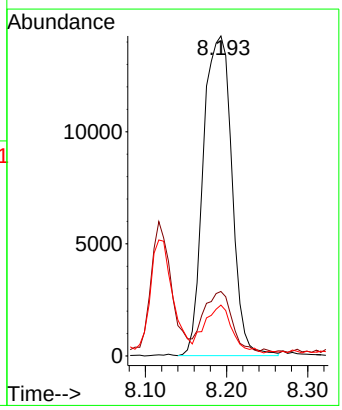


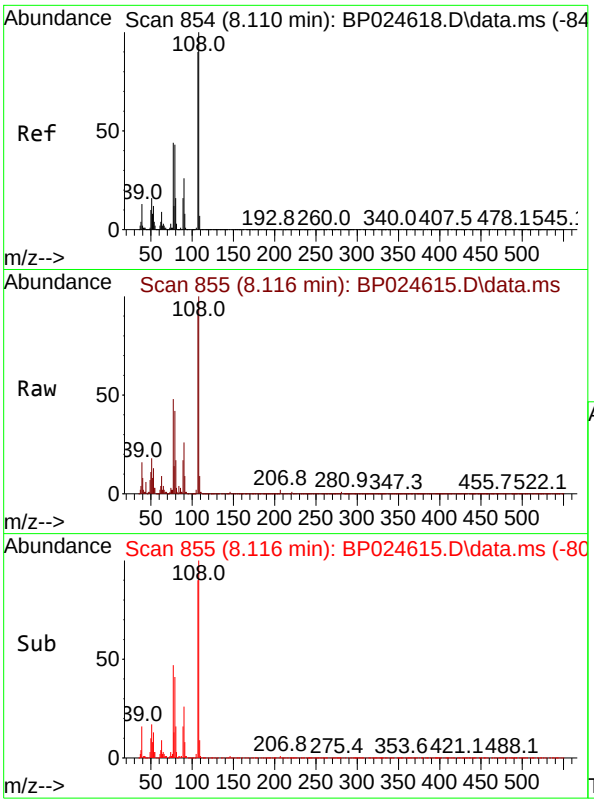




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.090 ng
RT: 8.193 min Scan# 868
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 45 Resp: 34754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 20.2 | 0.0 | 37.7 |
| 79 | 15.9 | 0.0 | 34.0 |



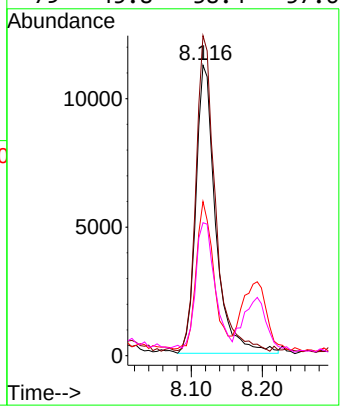


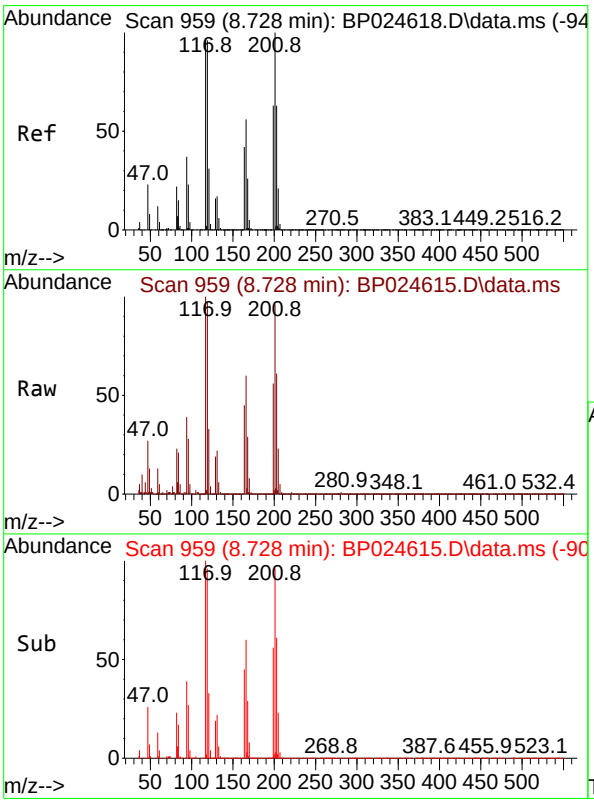

#17
2-Methylphenol
Concen: 4.371 ng
RT: 8.116 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:107 Resp: 21754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 110.2 | 88.9 | 133.3 |
| 77 | 53.0 | 39.0 | 58.6 |
| 79 | 45.8 | 38.4 | 57.6 |

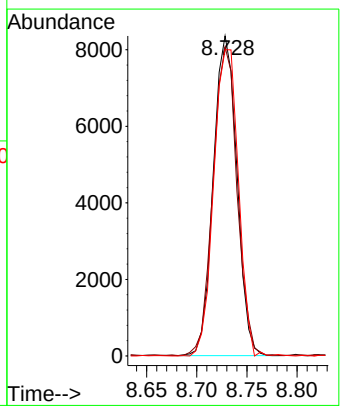


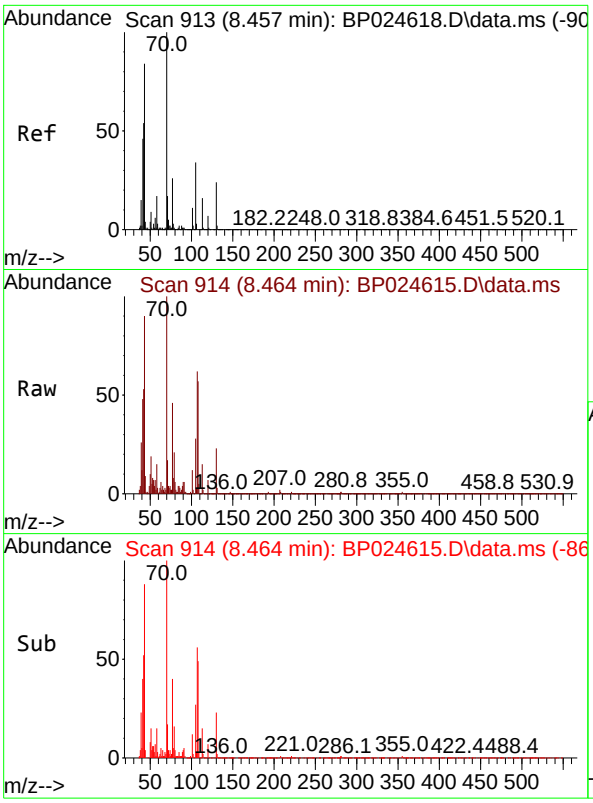




#18
Hexachloroethane
Concen: 5.148 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:117 Resp: 13650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.6 | 79.4 | 119.0 |
| 201 | 98.3 | 82.7 | 124.1 |



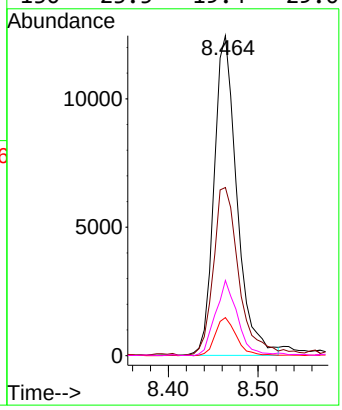


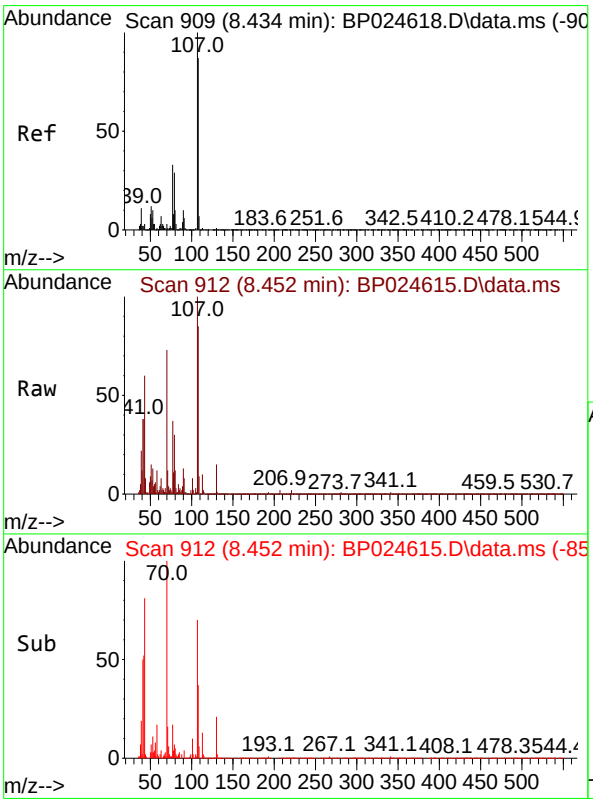

#19
n-Nitroso-di-n-propylamine
Concen: 4.734 ng
RT: 8.464 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion: 70 Resp: 22015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 52.6 | 43.0 | 64.6 |
| 101 | 11.9 | 8.7 | 13.1 |
| 130 | 23.5 | 19.4 | 29.0 |

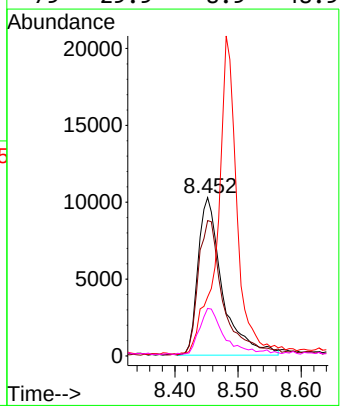


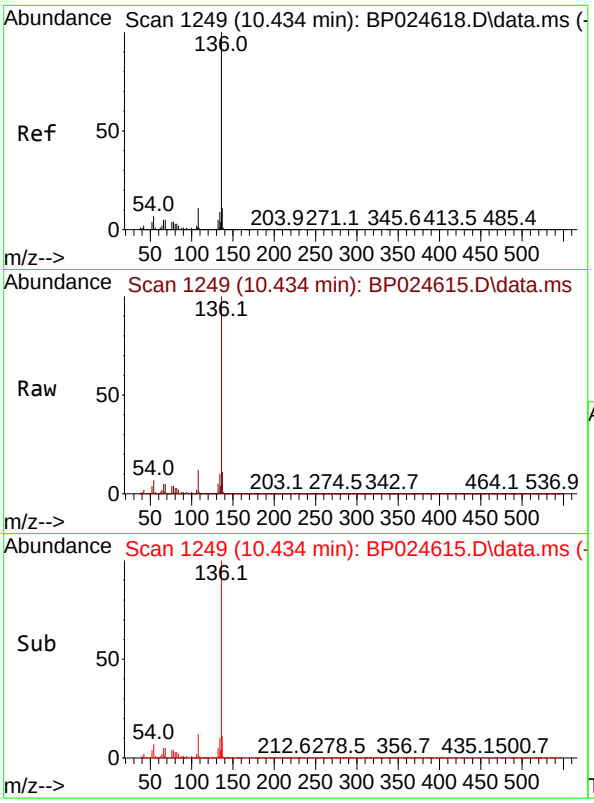




#20
3+4-Methylphenols
Concen: 4.063 ng
RT: 8.452 min Scan# 912
Delta R.T. 0.018 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:107 Resp: 27500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 85.4 | 66.7 | 106.7 |
| 77 | 37.3 | 13.1 | 53.1 |
| 79 | 29.9 | 8.9 | 48.9 |



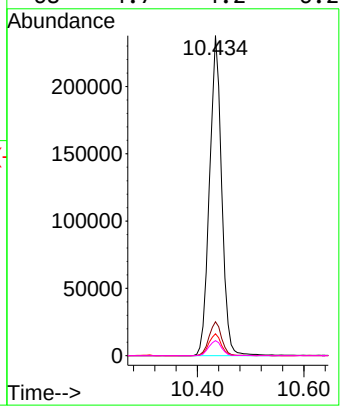


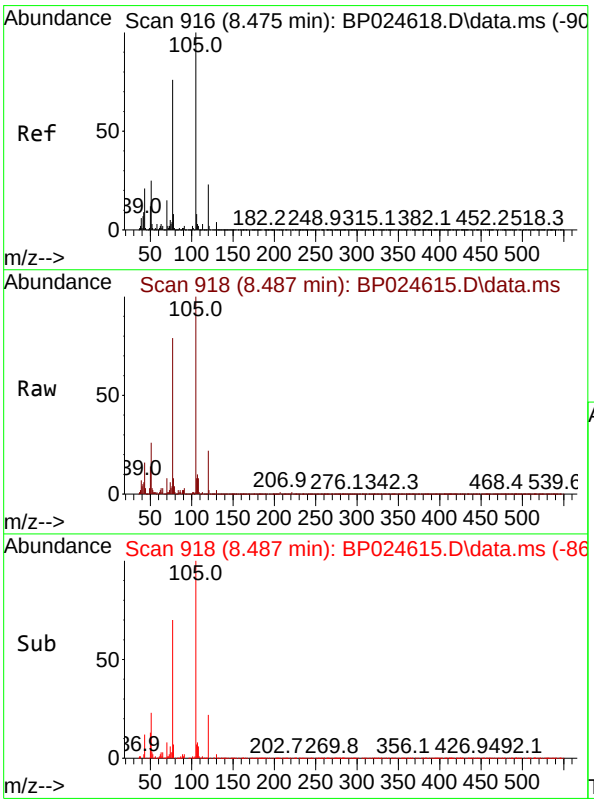

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:136 Resp: 378055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.8 | 13.2 |
| 54 | 6.8 | 5.5 | 8.3 |
| 68 | 4.7 | 4.2 | 6.2 |

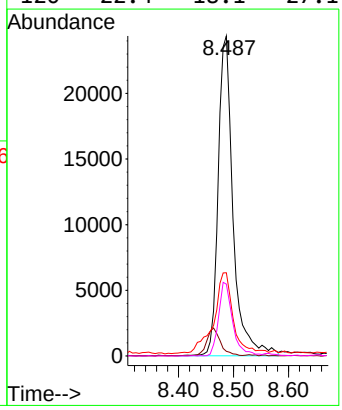


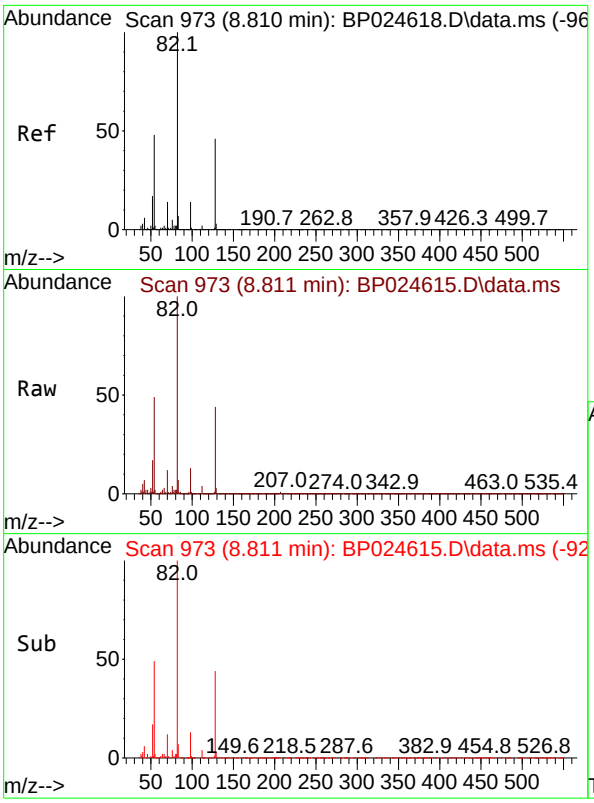




#22
Acetophenone
Concen: 4.868 ng
RT: 8.487 min Scan# 918
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:105 Resp: 45968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 1.4 | 2.0 | 3.0# |
| 51 | 26.0 | 20.4 | 30.6 |
| 120 | 22.4 | 18.1 | 27.1 |



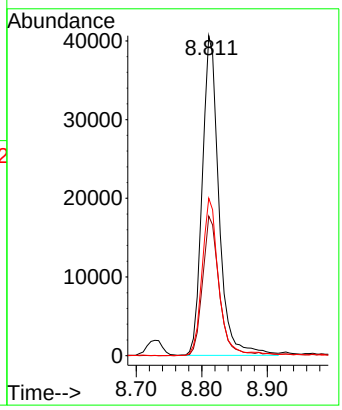


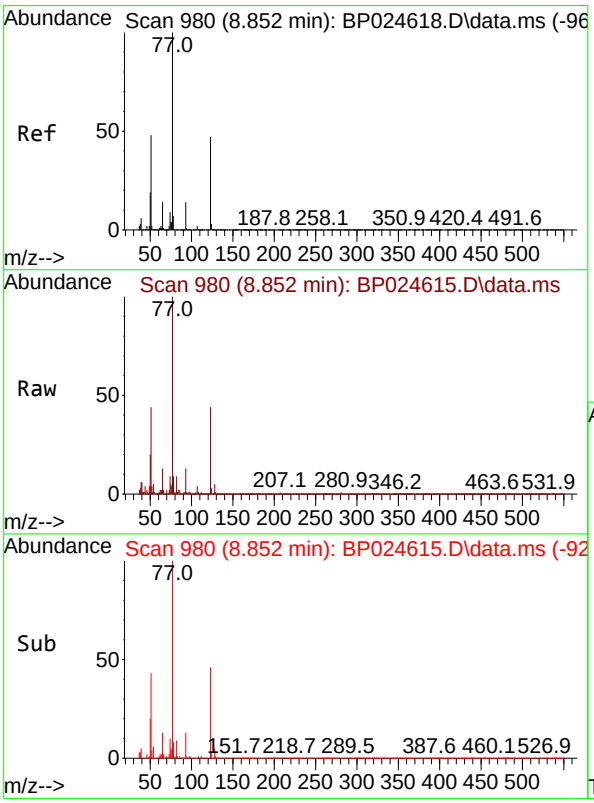

#23
Nitrobenzene-d5
Concen: 9.630 ng
RT: 8.811 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion: 82 Resp: 72056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.6 | 37.0 | 55.4 |
| 54 | 49.2 | 38.7 | 58.1 |

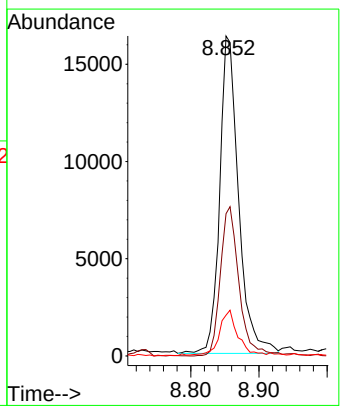


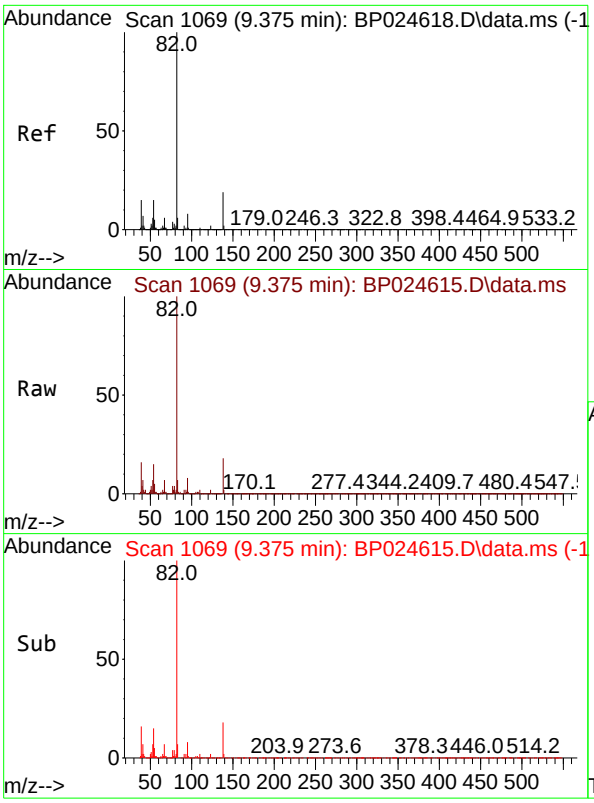




#24
Nitrobenzene
Concen: 4.784 ng
RT: 8.852 min Scan# 980
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 77 Resp: 31500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 44.5 | 37.4 | 56.0 |
| 65 | 12.7 | 11.3 | 16.9 |



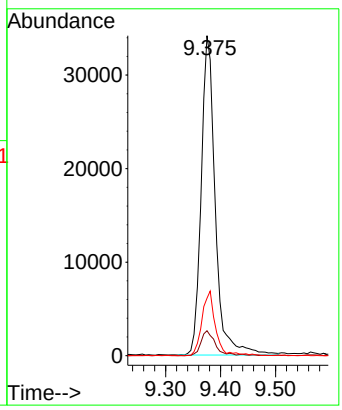


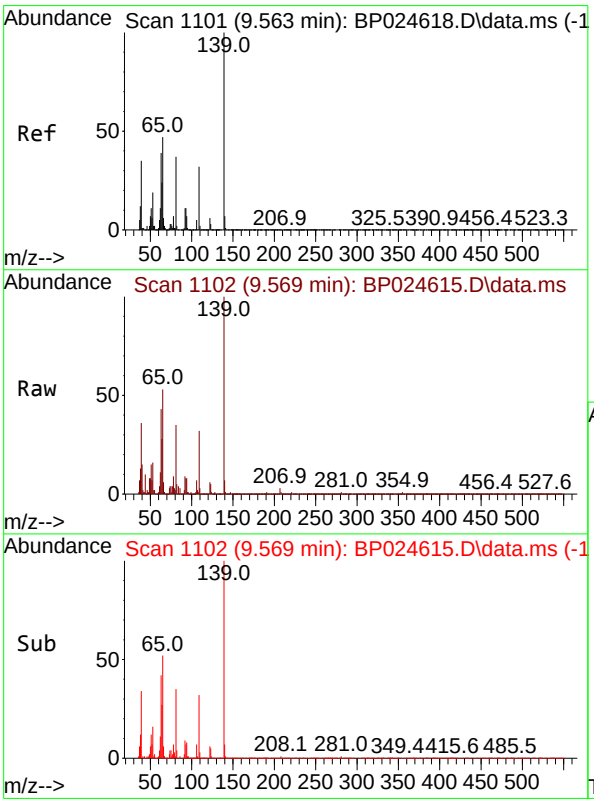

#25
Isophorone
Concen: 4.689 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion: 82 Resp: 60855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.8 | 6.3 | 9.5 |
| 138 | 17.9 | 15.3 | 22.9 |

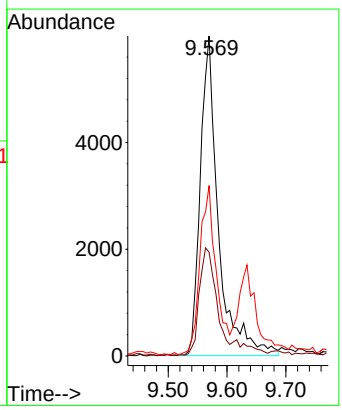


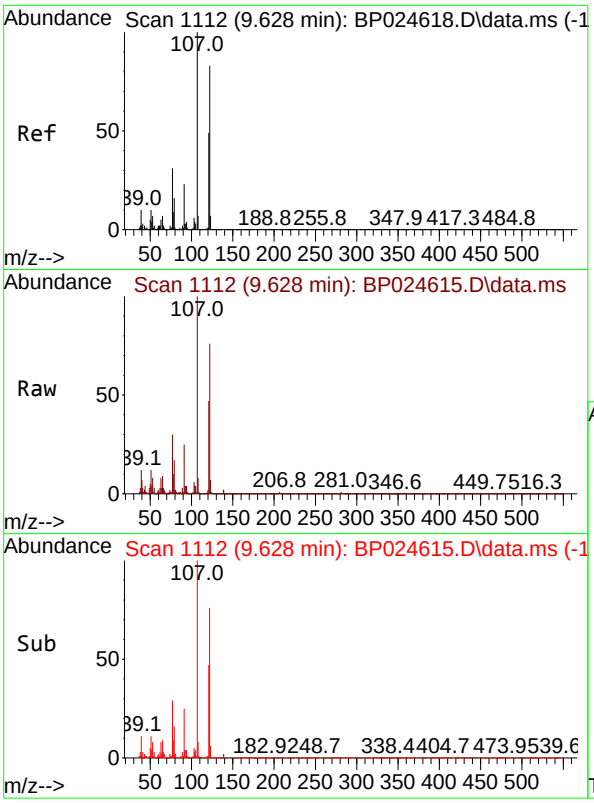




#26
2-Nitrophenol
Concen: 3.963 ng
RT: 9.569 min Scan# 1102
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:139 Resp: 12786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.4 | 25.9 | 38.9 |
| 65 | 53.2 | 37.9 | 56.9 |



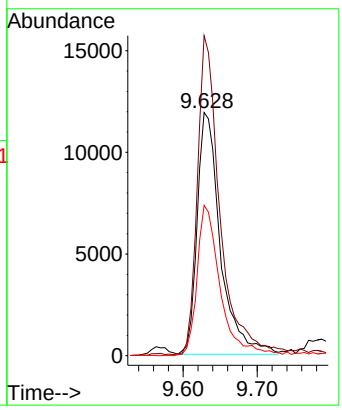


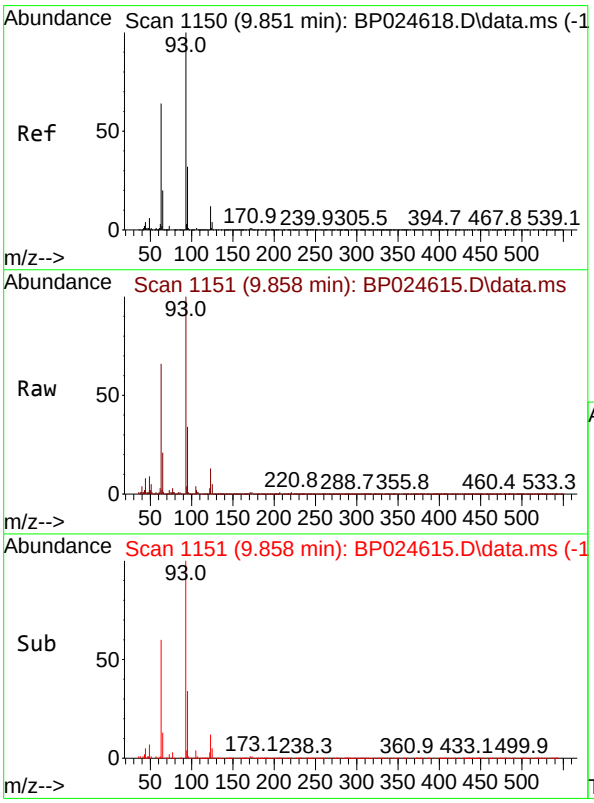

#27
2,4-Dimethylphenol
Concen: 4.541 ng
RT: 9.628 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:122 Resp: 25830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 131.6 | 96.2 | 144.2 |
| 121 | 61.8 | 47.6 | 71.4 |

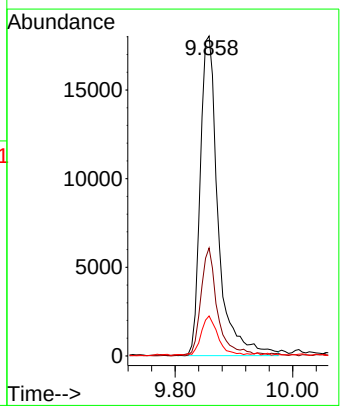


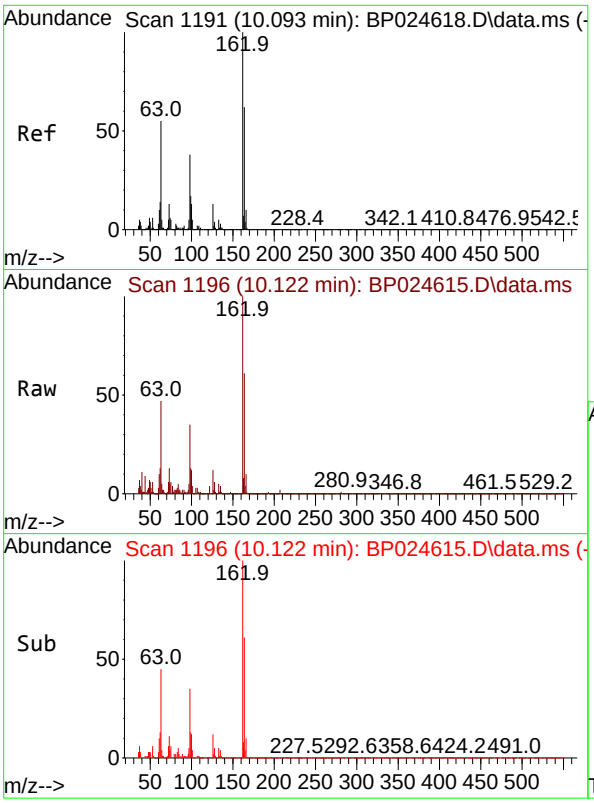




#28
bis(2-Chloroethoxy)methane
Concen: 4.910 ng
RT: 9.858 min Scan# 1151
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 93 Resp: 38071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.7 | 25.5 | 38.3 |
| 123 | 12.5 | 9.7 | 14.5 |



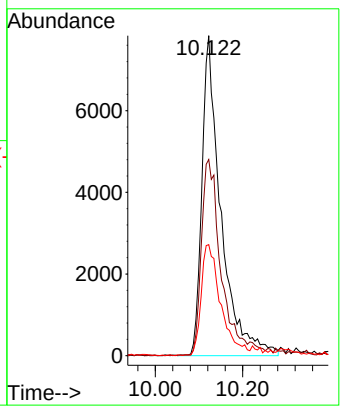


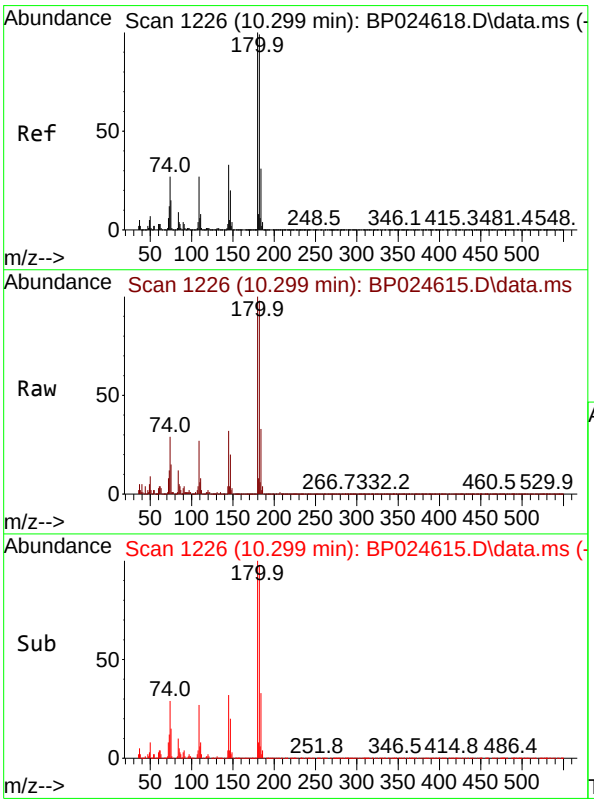

#29
2,4-Dichlorophenol
Concen: 4.285 ng
RT: 10.122 min Scan# 11
Delta R.T. 0.030 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:162 Resp: 23623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 61.3 | 42.3 | 82.3 |
| 98 | 34.7 | 18.4 | 58.4 |

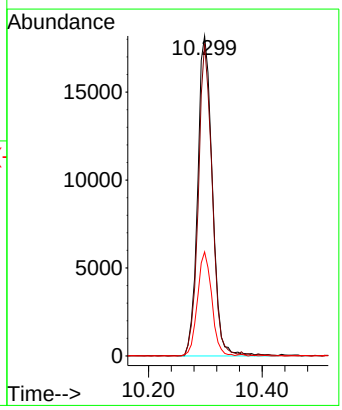


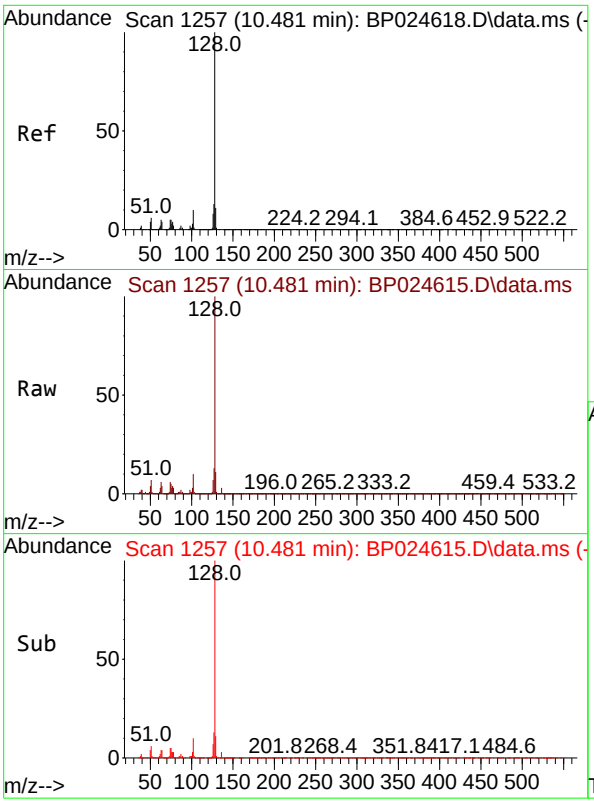




#30
1,2,4-Trichlorobenzene
Concen: 5.264 ng
RT: 10.299 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:180 Resp: 32699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.6 | 79.0 | 118.4 |
| 145 | 32.5 | 26.6 | 39.8 |



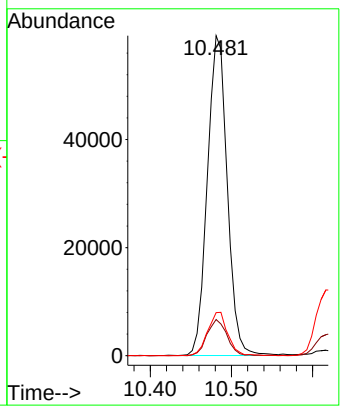


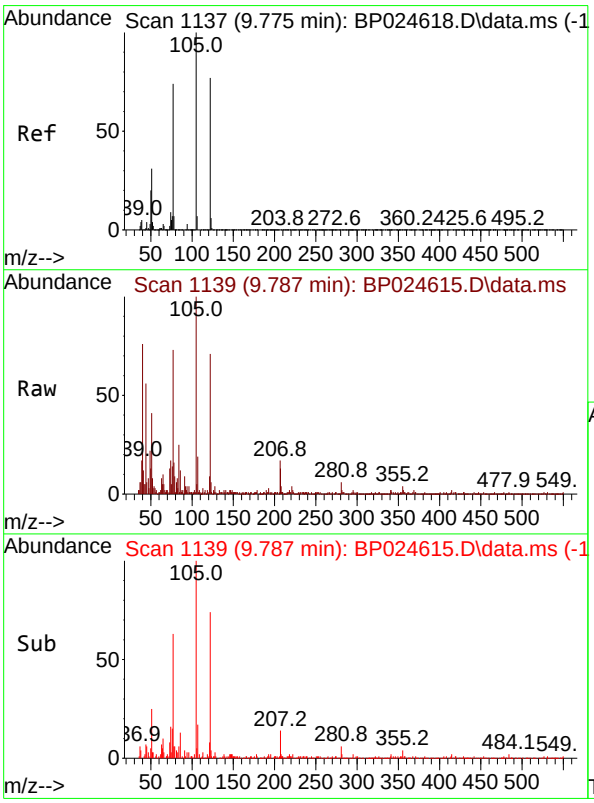

#31
Naphthalene
Concen: 5.133 ng
RT: 10.481 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:128 Resp: 100564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 8.8 | 13.2 |
| 127 | 13.5 | 10.7 | 16.1 |

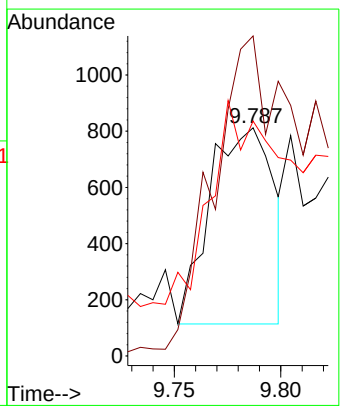


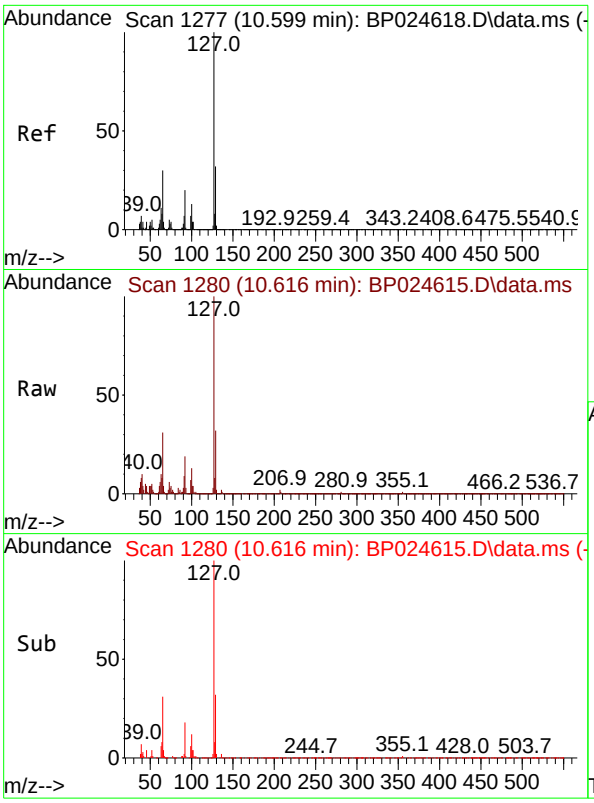




#32
Benzoic acid
Concen: 7.094 ng
RT: 9.787 min Scan# 1139
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:122 Resp: 1450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 147.9 | 106.9 | 146.9# |
| 77 | 103.0 | 75.1 | 115.1 |



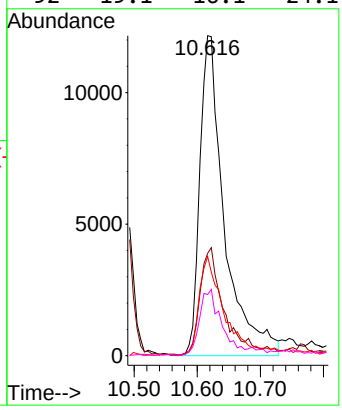


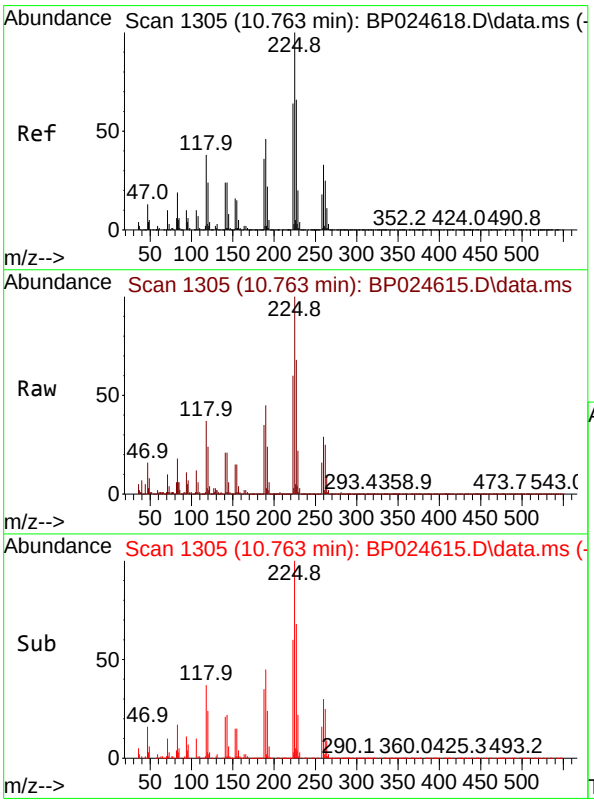

#33
4-Chloroaniline
Concen: 4.163 ng
RT: 10.616 min Scan# 1
Delta R.T. 0.018 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:127 Resp: 32908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.0 | 25.8 | 38.6 |
| 65 | 31.0 | 23.9 | 35.9 |
| 92 | 19.1 | 16.1 | 24.1 |

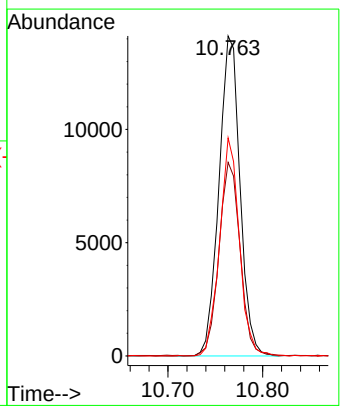


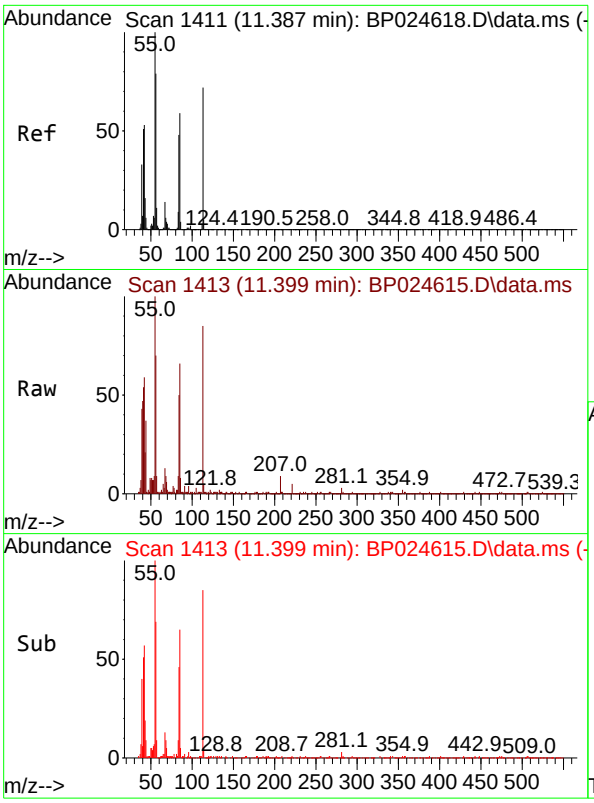




#34
Hexachlorobutadiene
Concen: 5.426 ng
RT: 10.763 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:225 Resp: 21834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 60.5 | 51.0 | 76.6 |
| 227 | 71.7 | 53.1 | 79.7 |



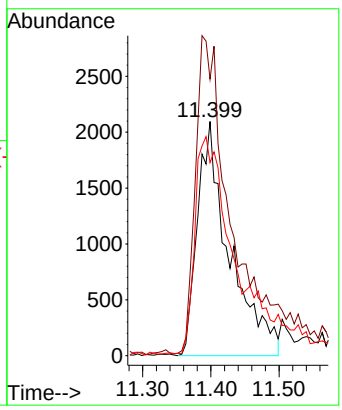


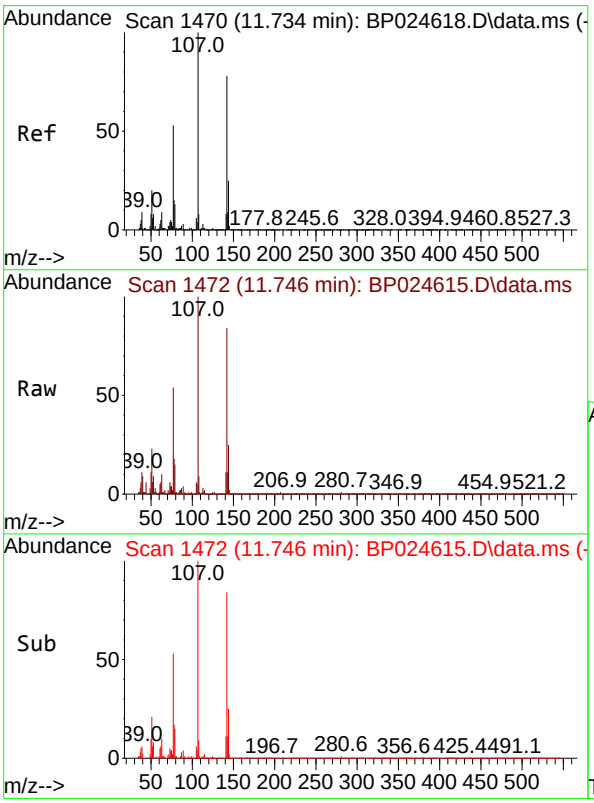

#35
Caprolactam
Concen: 3.420 ng
RT: 11.399 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:113 Resp: 6817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 118.0 | 119.0 | 159.0# |
| 56 | 82.4 | 90.3 | 130.3# |

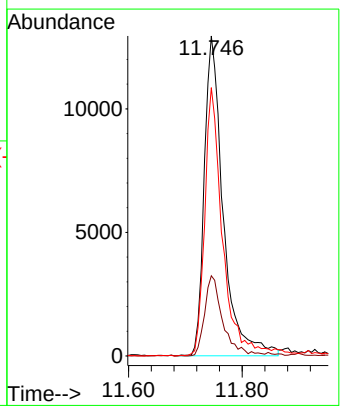


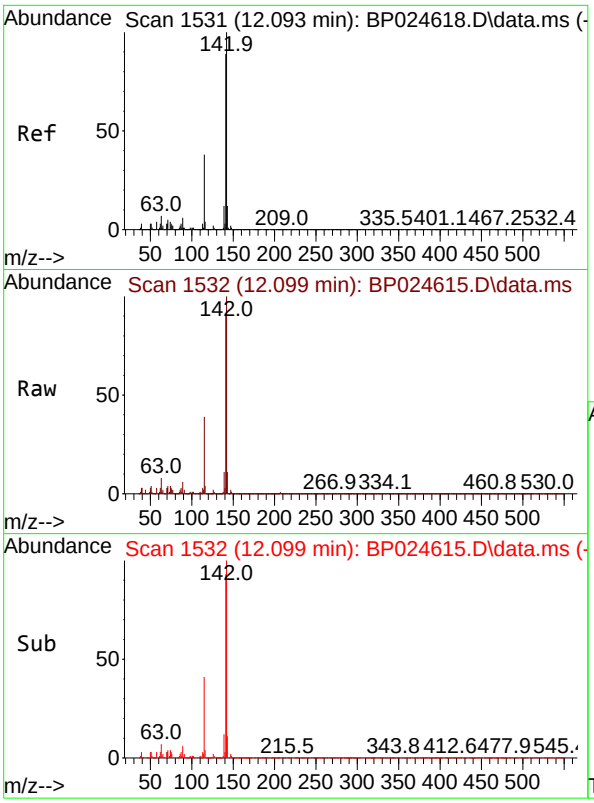




#36
4-Chloro-3-methylphenol
Concen: 4.440 ng
RT: 11.746 min Scan# 1472
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:107 Resp: 29849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.0 | 20.1 | 30.1 |
| 142 | 83.9 | 62.1 | 93.1 |



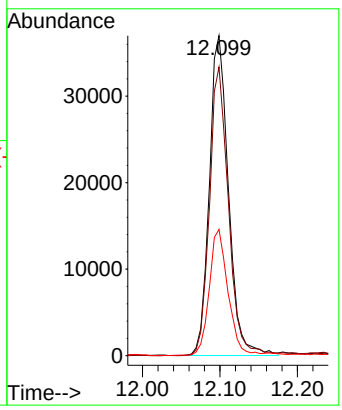


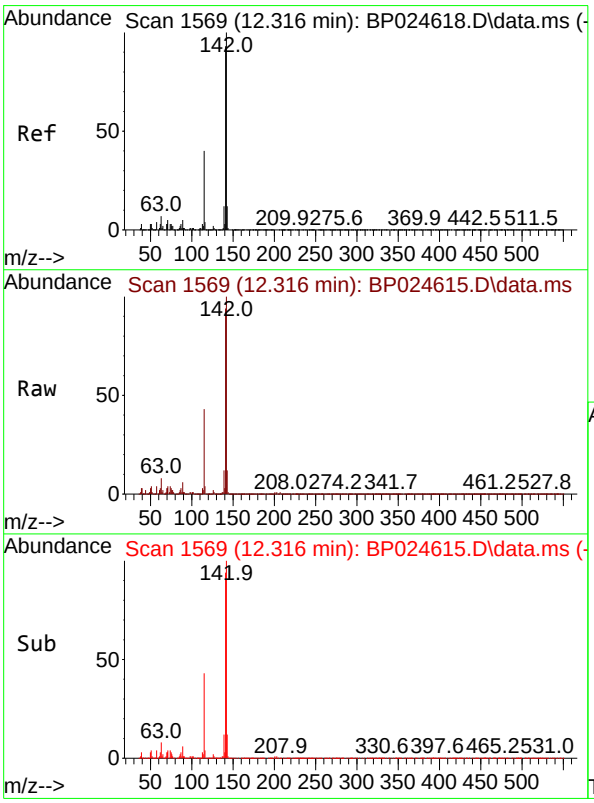

#37
2-Methylnaphthalene
Concen: 5.011 ng
RT: 12.099 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:142 Resp: 63562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.2 | 71.2 | 106.8 |
| 115 | 39.4 | 30.6 | 46.0 |

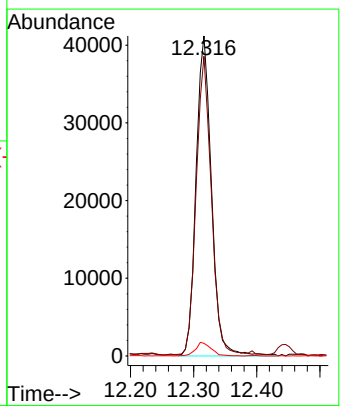


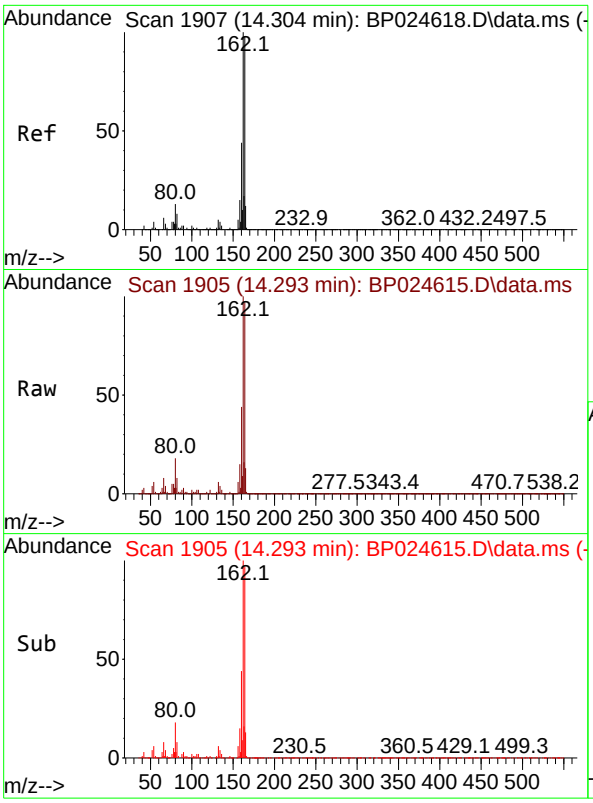




#38
1-Methylnaphthalene
Concen: 5.160 ng
RT: 12.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:142 Resp: 70043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.7 | 74.7 | 112.1 |
| 116 | 4.0 | 3.4 | 5.2 |



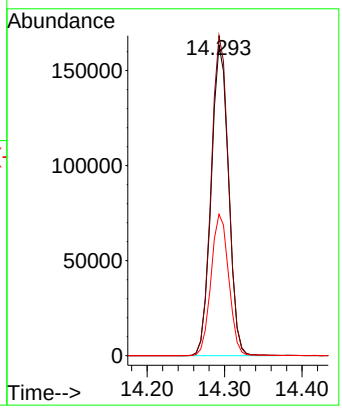


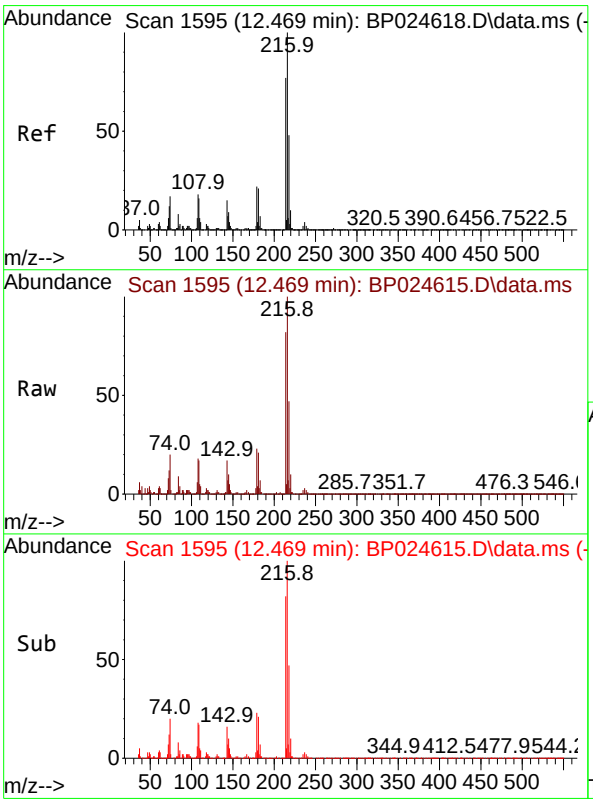

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.293 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:164 Resp: 254561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.0 | 81.8 | 122.6 |
| 160 | 45.5 | 36.3 | 54.5 |

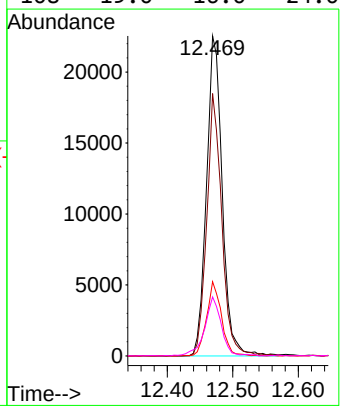


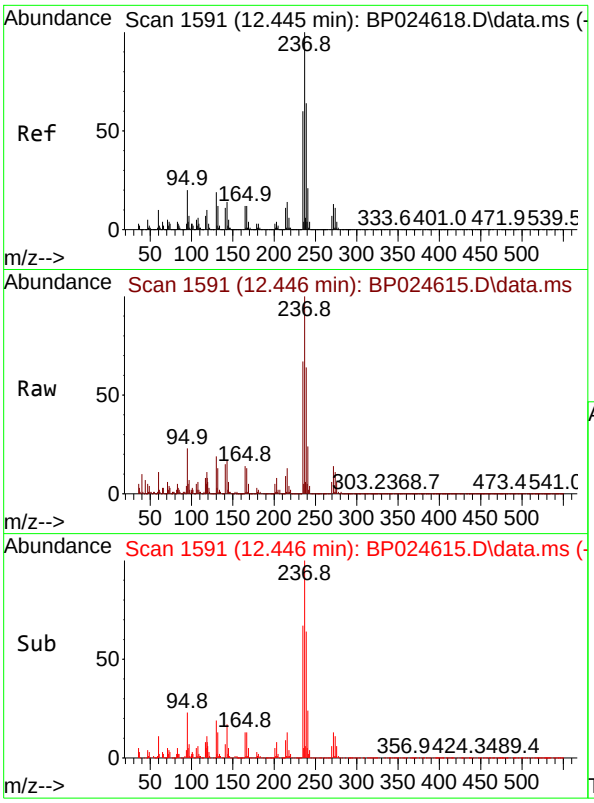




#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.105 ng
RT: 12.469 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:216 Resp: 37738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.4 | 62.3 | 93.5 |
| 179 | 22.0 | 17.7 | 26.5 |
| 108 | 19.0 | 16.0 | 24.0 |



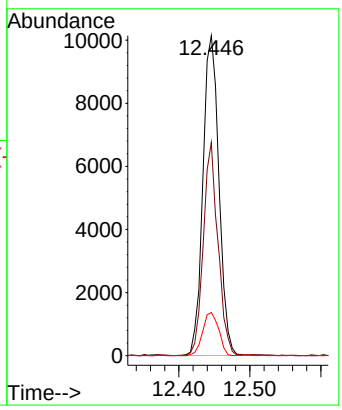


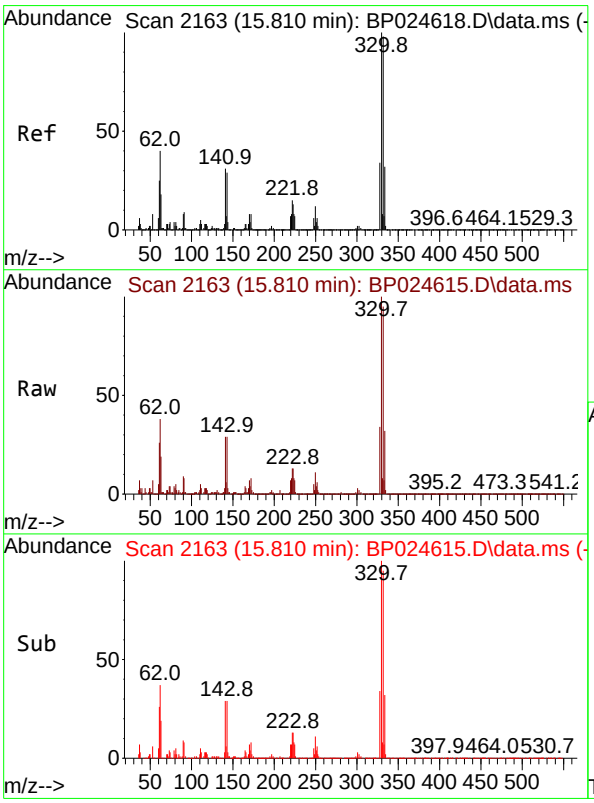

#41
Hexachlorocyclopentadiene
Concen: 3.556 ng
RT: 12.446 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:237 Resp: 15939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 66.6 | 39.9 | 79.9 |
| 272 | 13.5 | 0.0 | 33.2 |

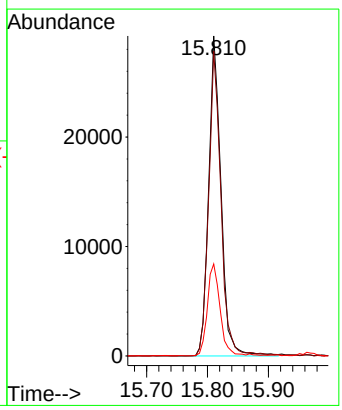


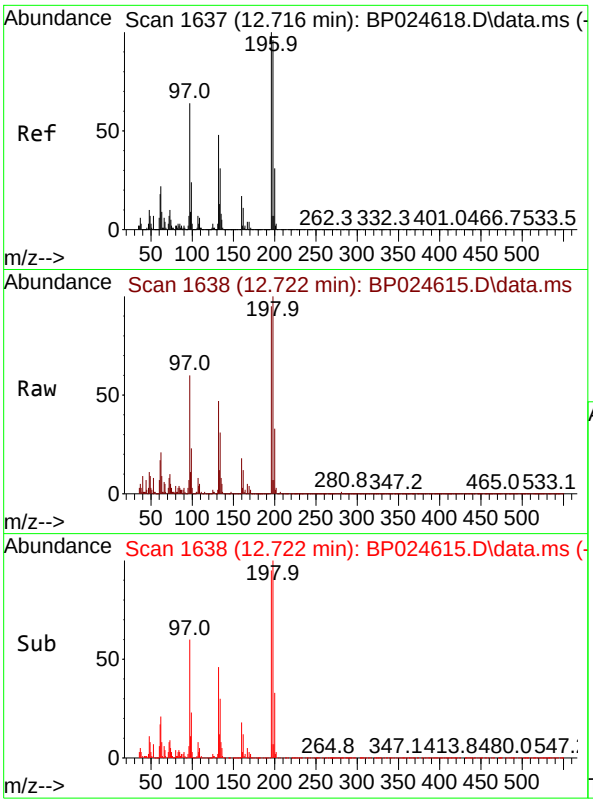




#42
2,4,6-Tribromophenol
Concen: 9.551 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:330 Resp: 41219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.4 | 78.2 | 117.4 |
| 141 | 29.5 | 24.3 | 36.5 |



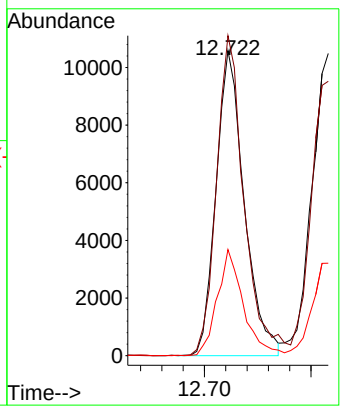


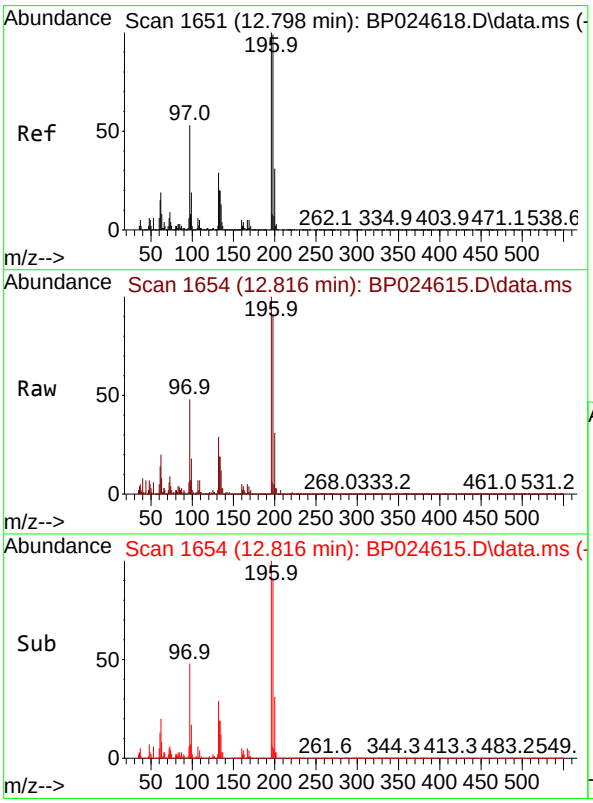

#43
2,4,6-Trichlorophenol
Concen: 4.058 ng
RT: 12.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:196 Resp: 19429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 104.9 | 76.9 | 115.3 |
| 200 | 34.8 | 25.2 | 37.8 |

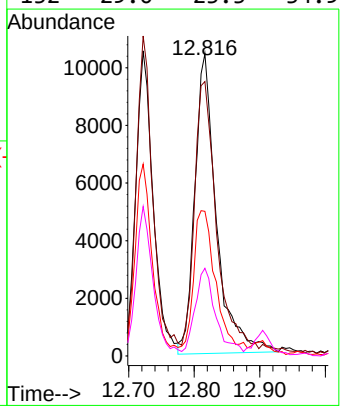


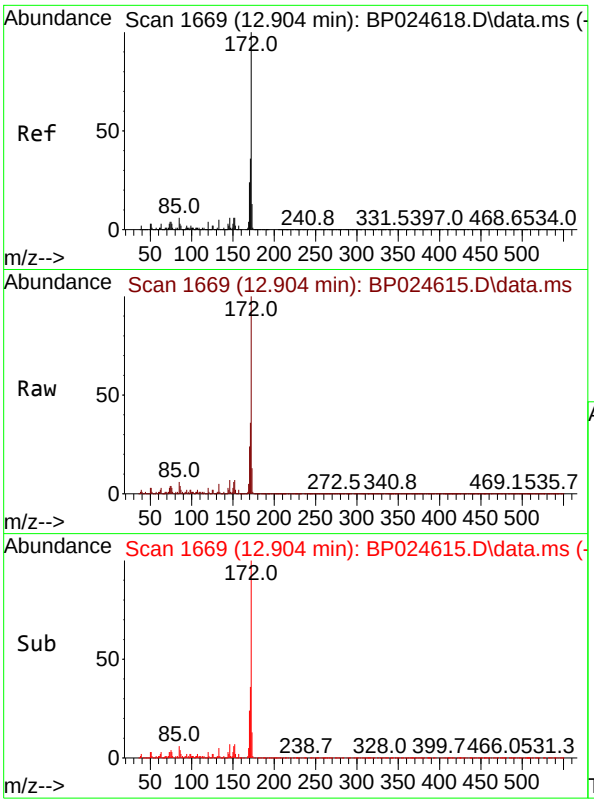




#44
2,4,5-Trichlorophenol
Concen: 4.488 ng
RT: 12.816 min Scan# 1654
Delta R.T. 0.018 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:196 Resp: 23918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 90.8 | 79.2 | 118.8 |
| 97 | 47.8 | 42.3 | 63.5 |
| 132 | 29.0 | 23.3 | 34.9 |



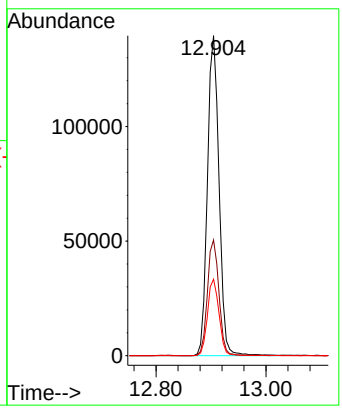


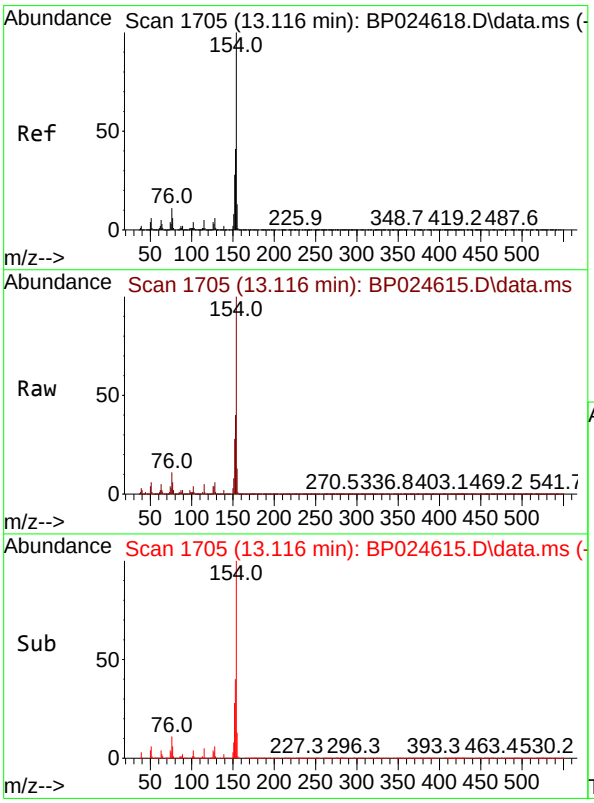

#45
2-Fluorobiphenyl
Concen: 10.485 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:172 Resp: 203719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.1 | 28.8 | 43.2 |
| 170 | 23.9 | 18.8 | 28.2 |

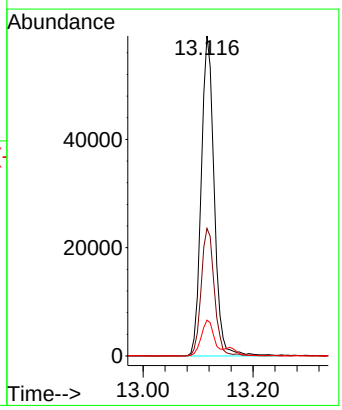


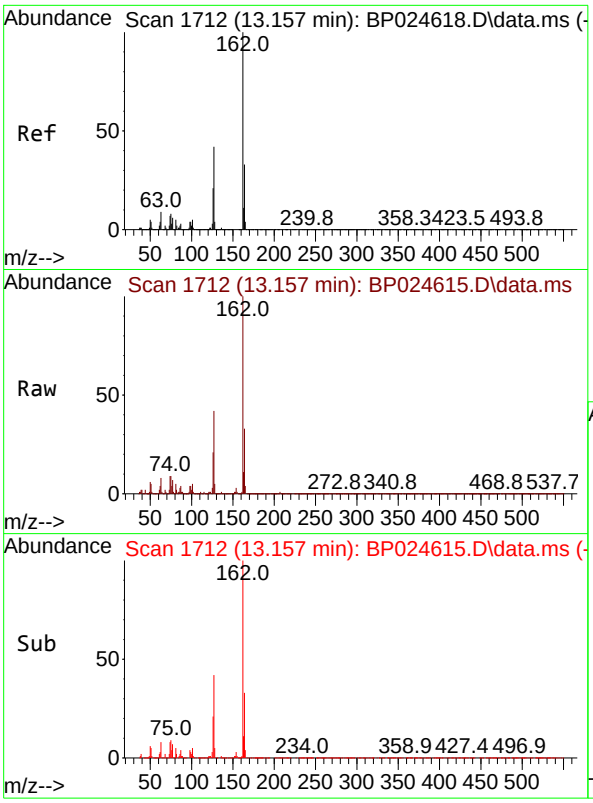




#46
1,1'-Biphenyl
Concen: 5.153 ng
RT: 13.116 min Scan# 1705
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:154 Resp: 96956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.8 | 21.0 | 61.0 |
| 76 | 11.2 | 0.0 | 31.5 |



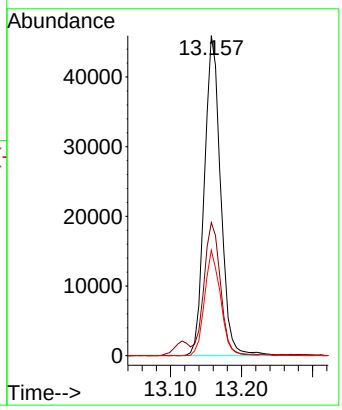


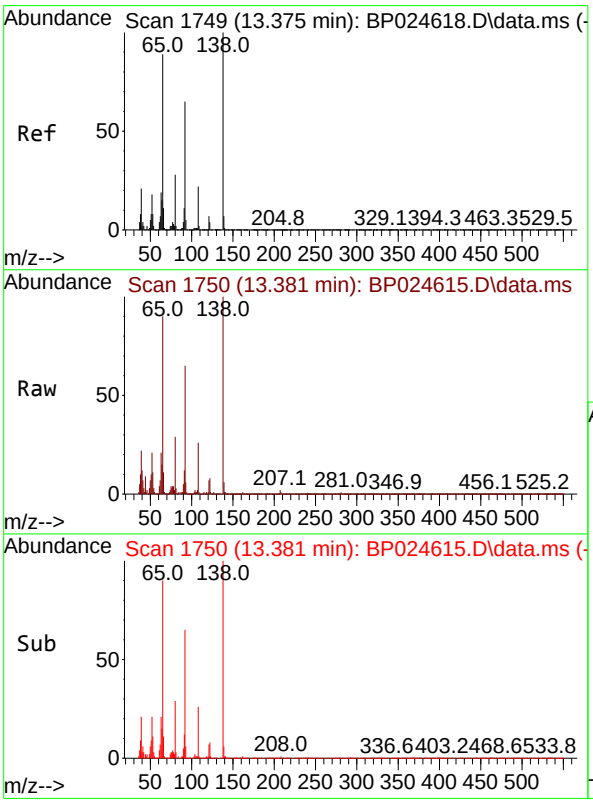

#47
2-Chloronaphthalene
Concen: 5.087 ng
RT: 13.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:162 Resp: 72977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.6 | 33.8 | 50.6 |
| 164 | 33.0 | 26.0 | 39.0 |

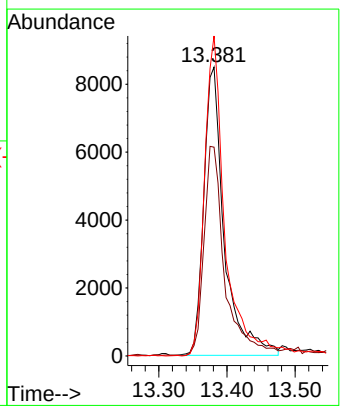


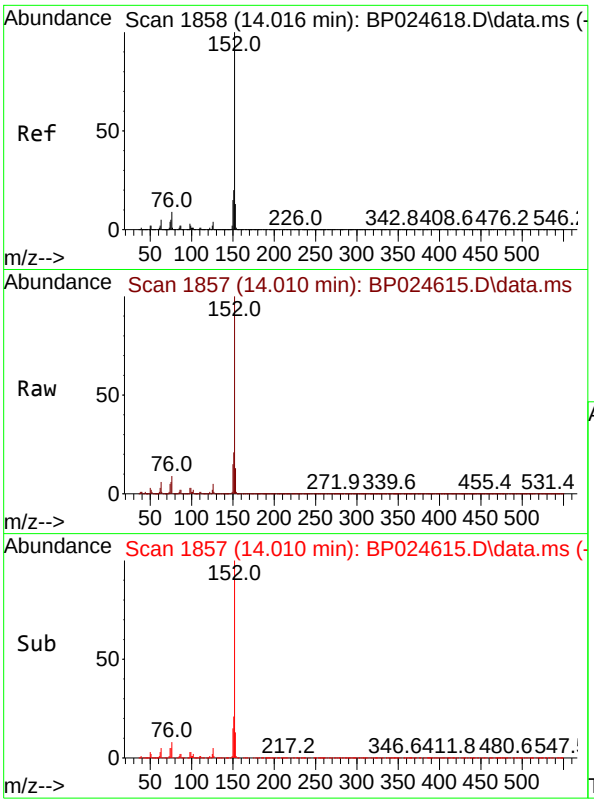




#48
2-Nitroaniline
Concen: 4.186 ng
RT: 13.381 min Scan# 1750
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion: 65 Resp: 17778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 72.3 | 58.7 | 88.1 |
| 138 | 110.8 | 90.2 | 135.2 |



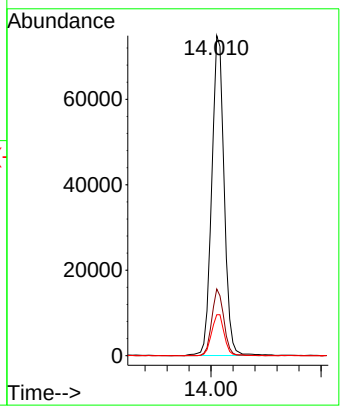


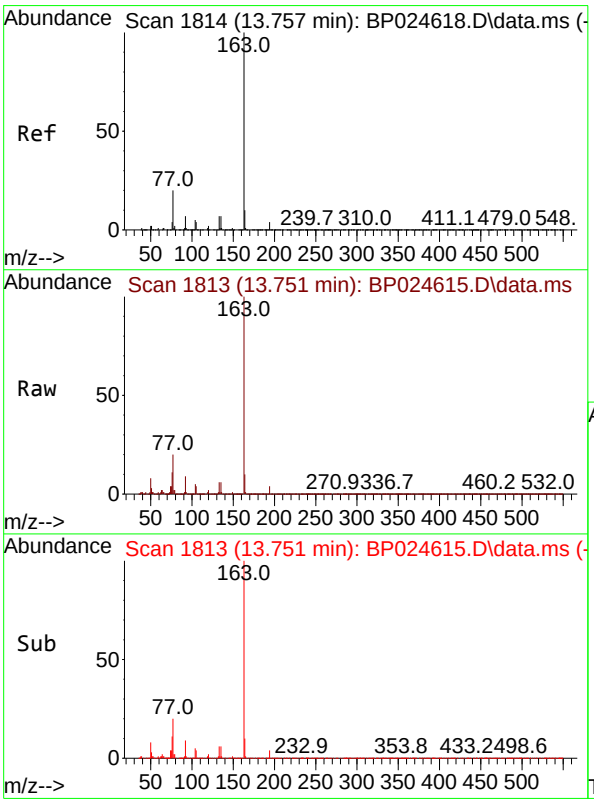

#49
Acenaphthylene
Concen: 4.892 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:152 Resp: 117448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.9 | 16.2 | 24.4 |
| 153 | 12.8 | 10.2 | 15.4 |

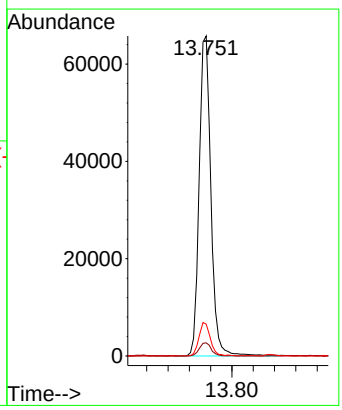


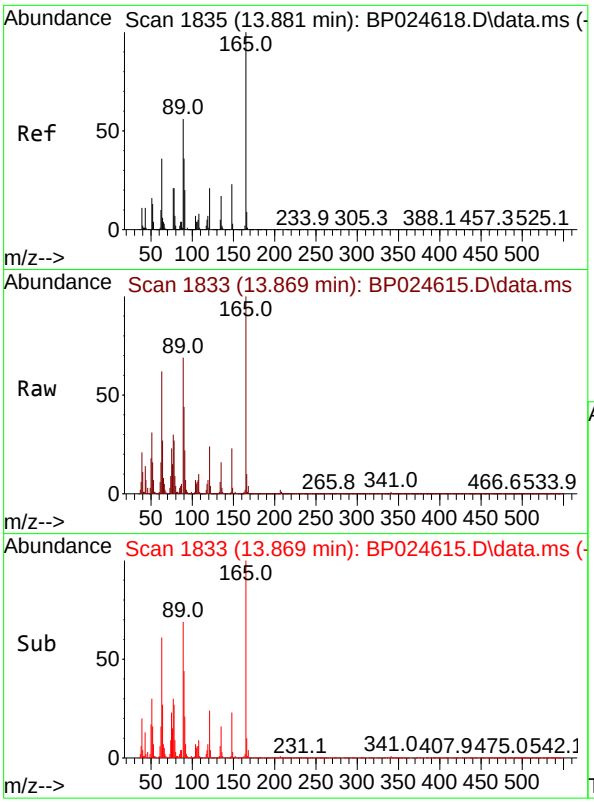




#50
Dimethylphthalate
Concen: 5.151 ng
RT: 13.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:163 Resp: 99940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.4 | 5.0 |
| 164 | 9.9 | 8.1 | 12.1 |



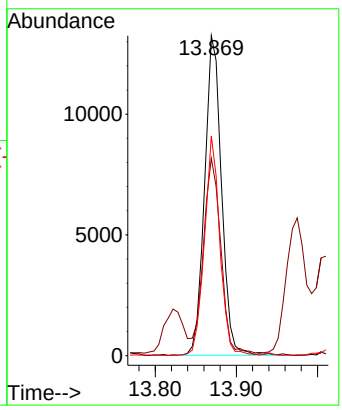


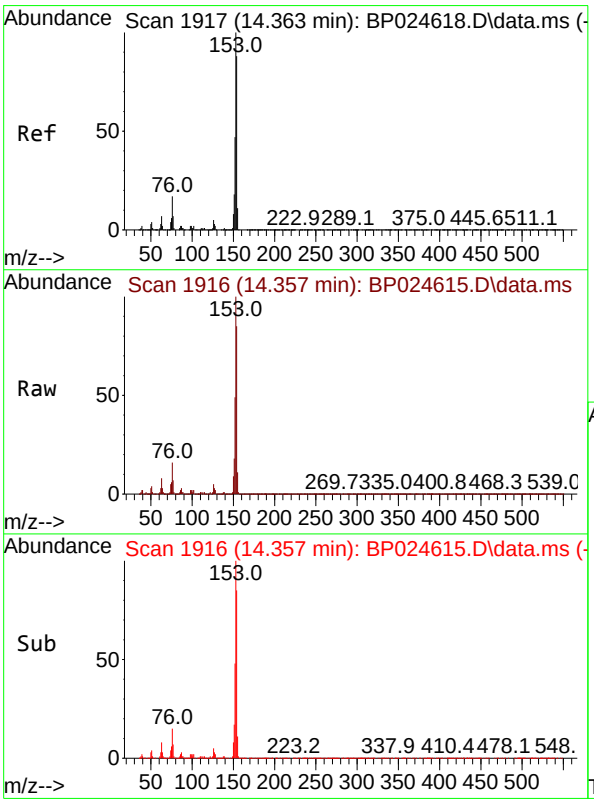

#51
2,6-Dinitrotoluene
Concen: 4.649 ng
RT: 13.869 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:165 Resp: 19052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 61.7 | 42.4 | 63.6 |
| 89 | 68.7 | 44.8 | 67.2# |

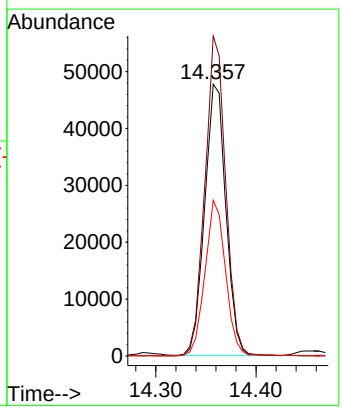


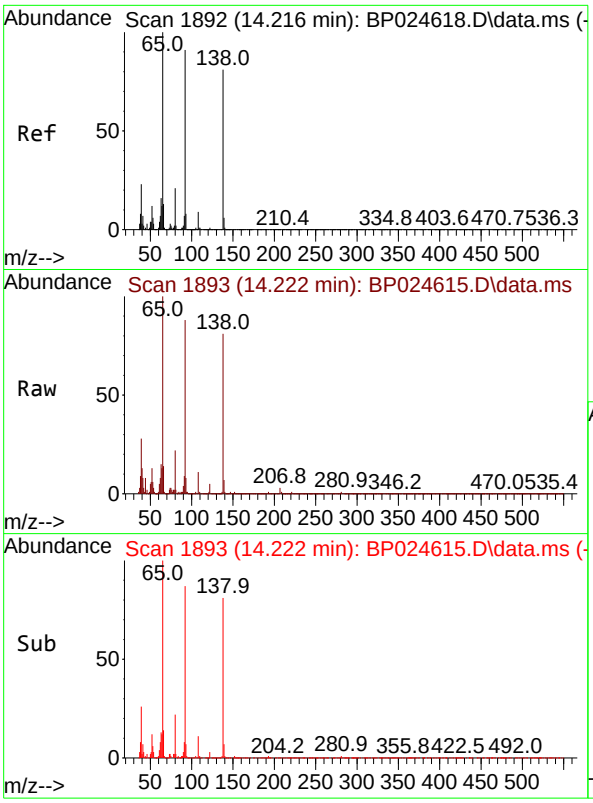




#52
Acenaphthene
Concen: 5.094 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:154 Resp: 70302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 117.7 | 91.0 | 136.4 |
| 152 | 57.3 | 42.9 | 64.3 |



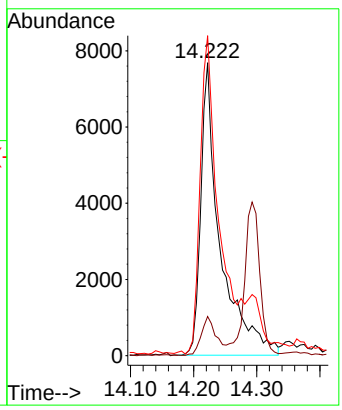


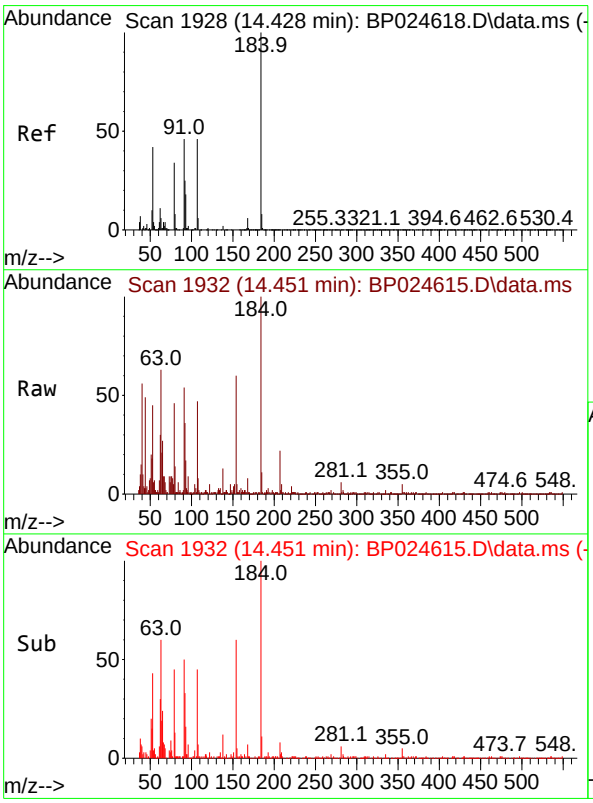

#53
3-Nitroaniline
Concen: 3.920 ng
RT: 14.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:138 Resp: 16400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 13.4 | 9.0 | 13.4 |
| 92 | 109.3 | 90.1 | 135.1 |

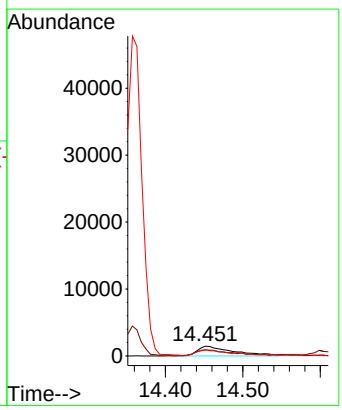


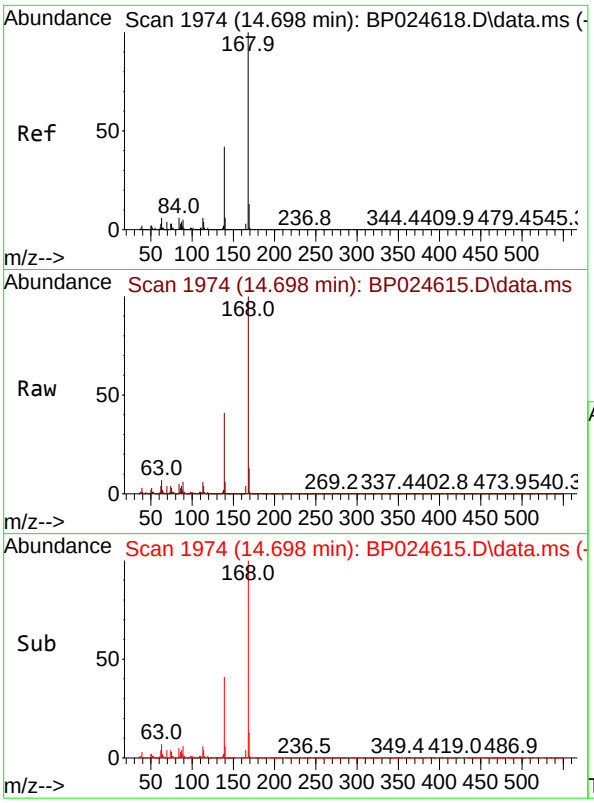




#54
2,4-Dinitrophenol
Concen: 8.074 ng
RT: 14.451 min Scan# 1932
Delta R.T. 0.023 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:184 Resp: 4700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 63.4 | 51.3 | 76.9 |
| 154 | 60.2 | 53.5 | 80.3 |



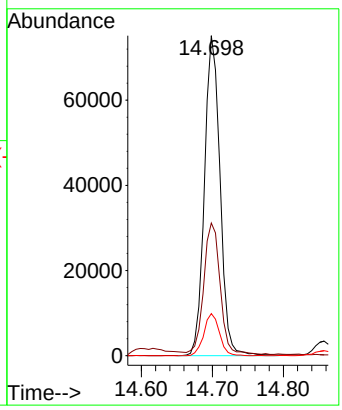


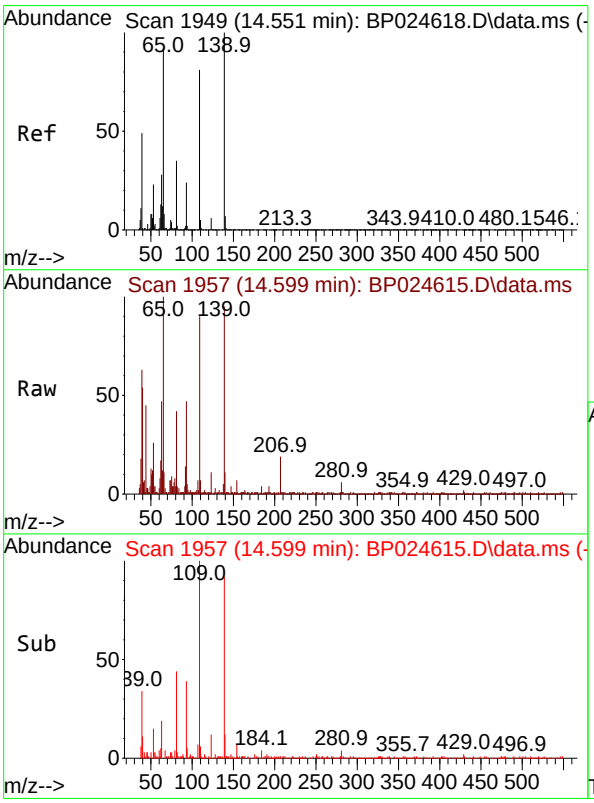

#55
Dibenzofuran
Concen: 5.232 ng
RT: 14.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:168 Resp: 115180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.5 | 34.2 | 51.4 |
| 169 | 13.2 | 10.8 | 16.2 |

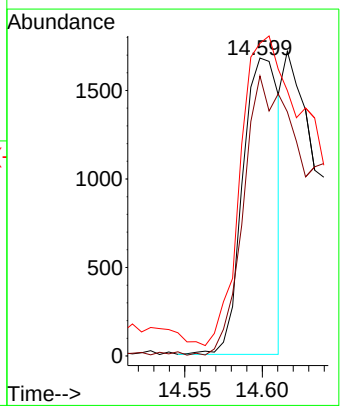


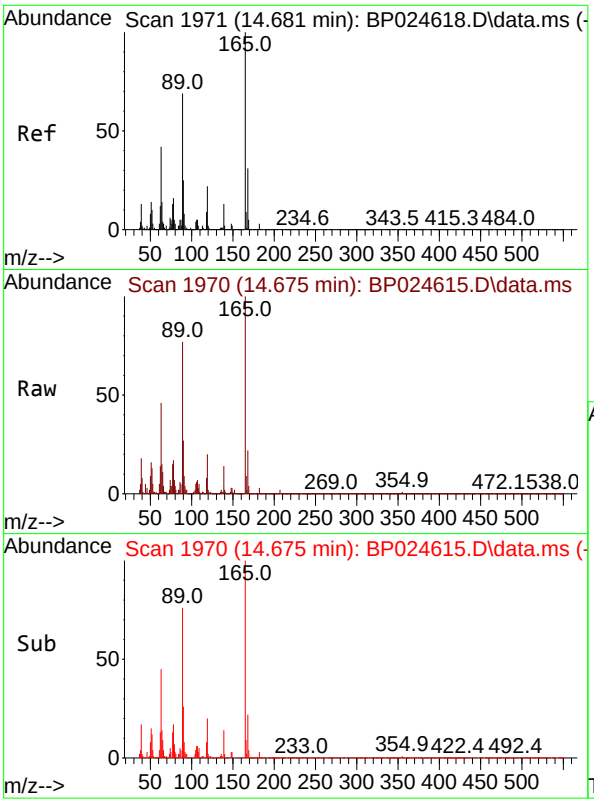




#56
4-Nitrophenol
Concen: 4.940 ng
RT: 14.599 min Scan# 1957
Delta R.T. 0.047 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:139 Resp: 2698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 94.0 | 61.4 | 101.4 |
| 65 | 104.9 | 72.2 | 112.2 |



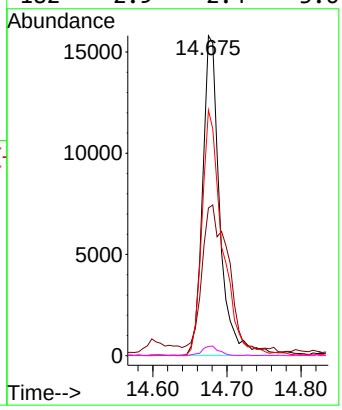


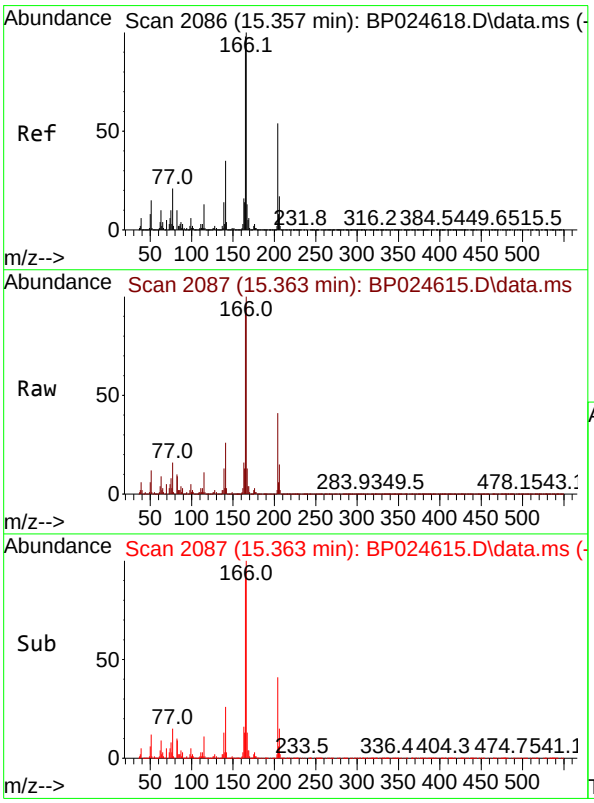

#57
2,4-Dinitrotoluene
Concen: 4.411 ng
RT: 14.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:165 Resp: 25481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 46.2 | 33.8 | 50.6 |
| 89 | 76.8 | 55.6 | 83.4 |
| 182 | 2.9 | 2.4 | 3.6 |

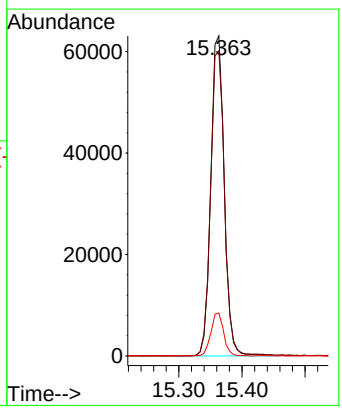


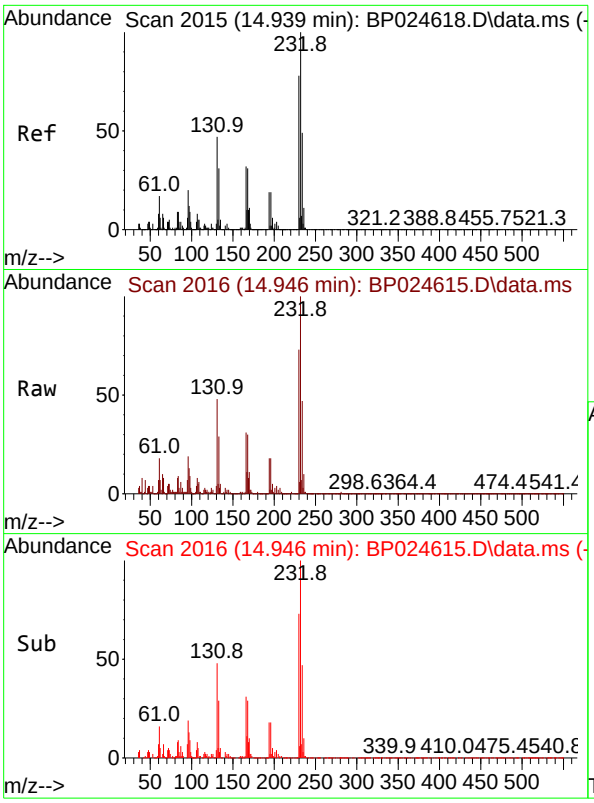




#58
Fluorene
Concen: 5.198 ng
RT: 15.363 min Scan# 2087
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:166 Resp: 93303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 95.4 | 78.5 | 117.7 |
| 167 | 13.4 | 10.7 | 16.1 |



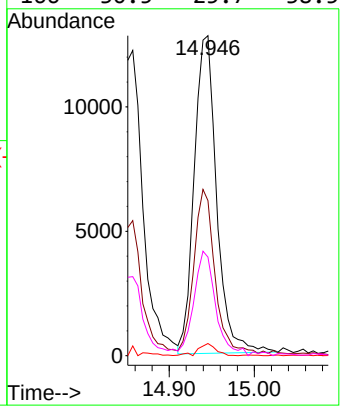


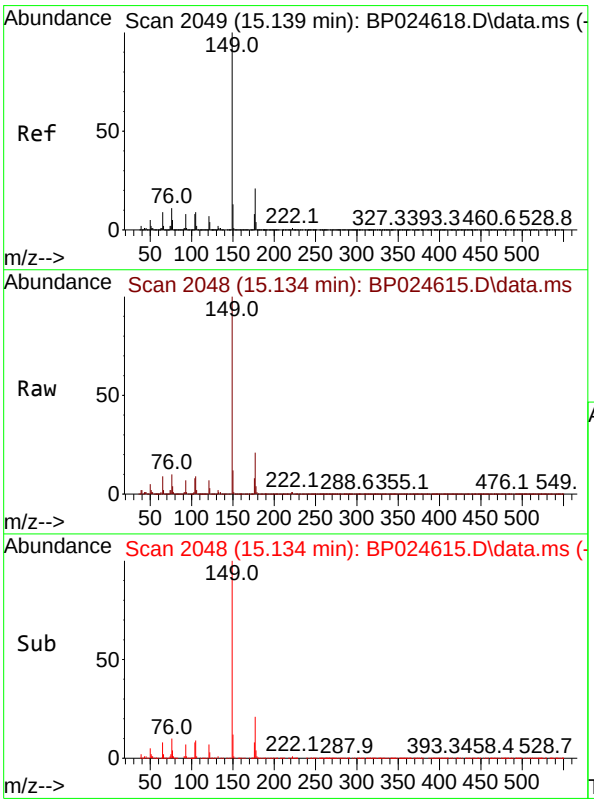

#59
2,3,4,6-Tetrachlorophenol
Concen: 4.729 ng
RT: 14.946 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:232 Resp: 23382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 48.6 | 39.5 | 59.3 |
| 130 | 3.0 | 2.2 | 3.4 |
| 166 | 30.5 | 25.7 | 38.5 |

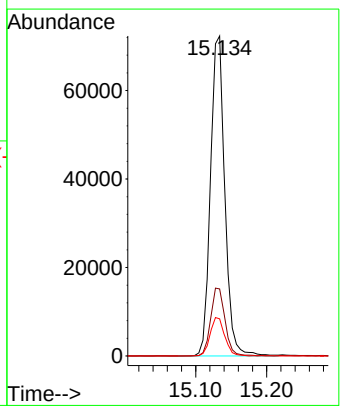


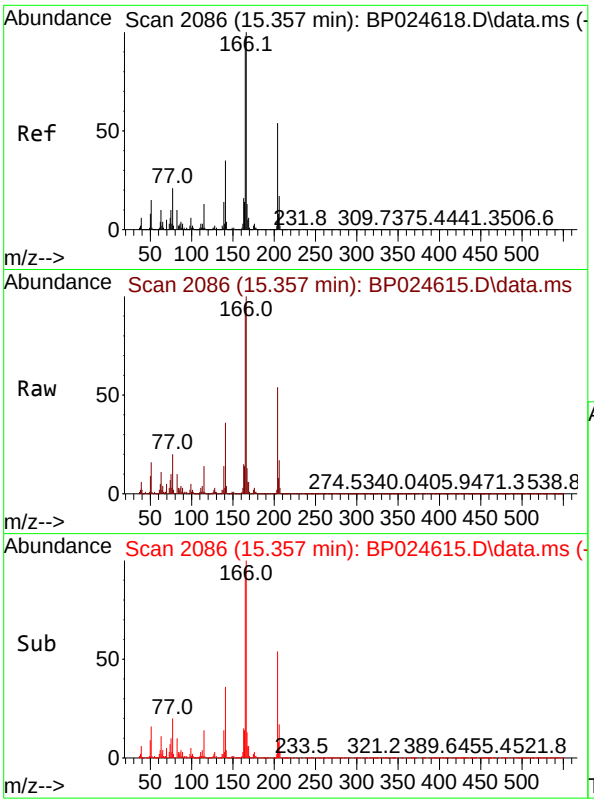




#60
Diethylphthalate
Concen: 5.169 ng
RT: 15.134 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:149 Resp: 101366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 20.9 | 16.7 | 25.1 |
| 150 | 11.6 | 10.2 | 15.2 |



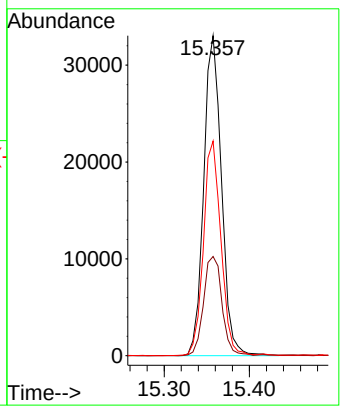


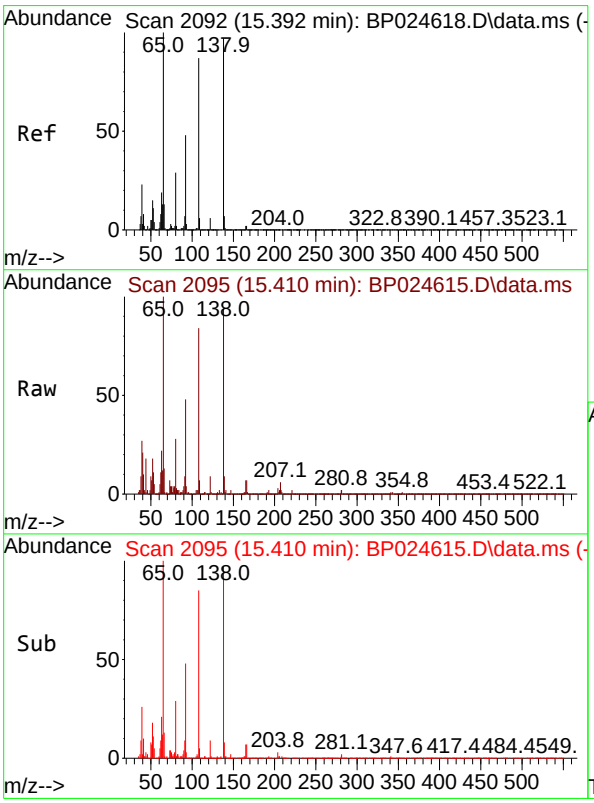

#61
4-Chlorophenyl-phenylether
Concen: 5.349 ng
RT: 15.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:204 Resp: 47886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 31.0 | 26.0 | 39.0 |
| 141 | 67.1 | 52.9 | 79.3 |

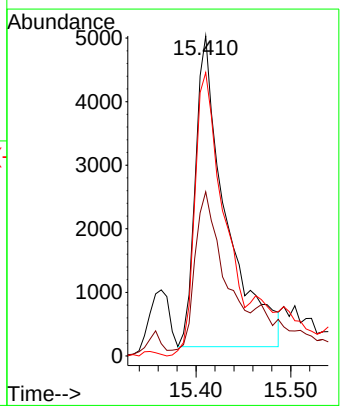


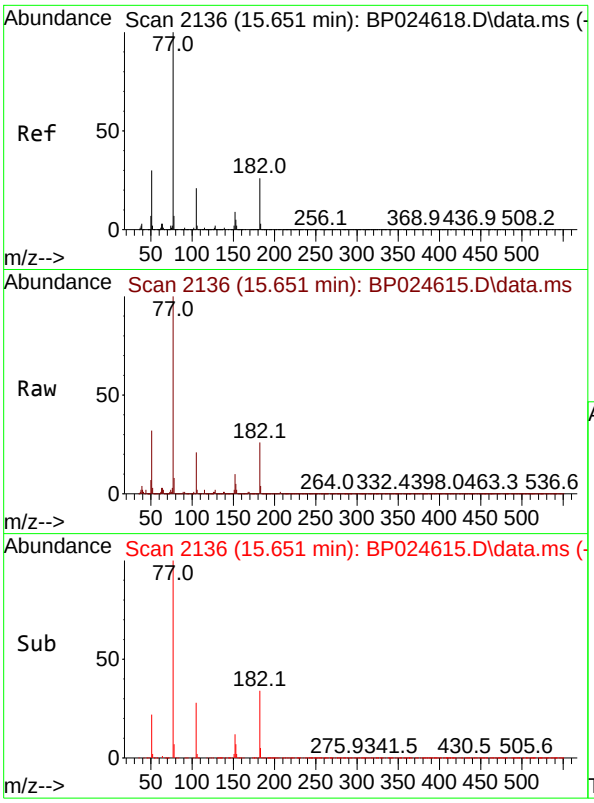




#62
4-Nitroaniline
Concen: 2.696 ng
RT: 15.410 min Scan# 2095
Delta R.T. 0.018 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:138 Resp: 10984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 51.3 | 29.2 | 69.2 |
| 108 | 88.5 | 69.0 | 109.0 |



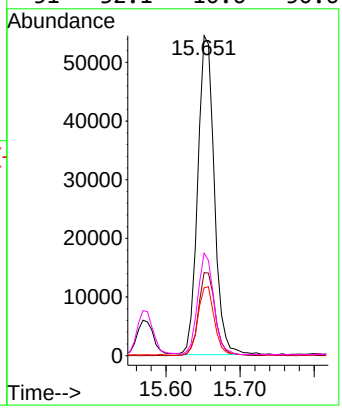


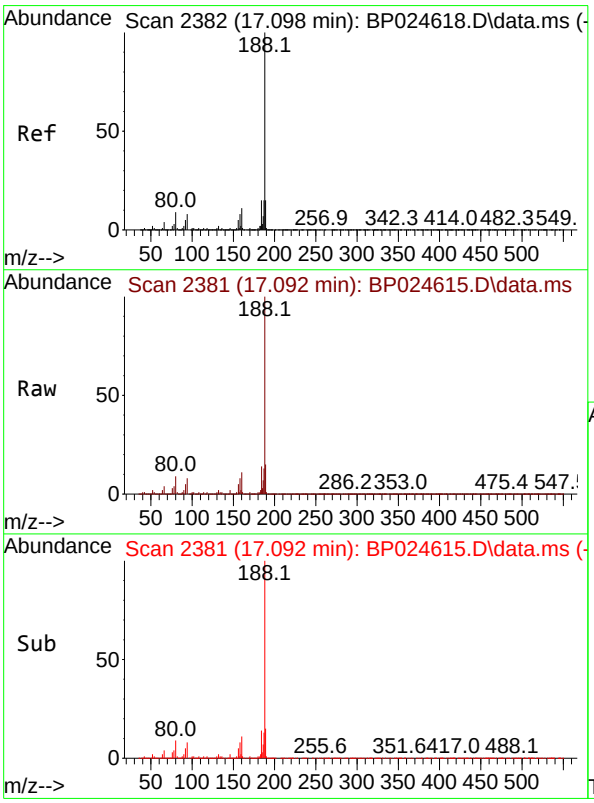

#63
Azobenzene
Concen: 5.035 ng
RT: 15.651 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion: 77 Resp: 84462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.0 | 5.7 | 45.7 |
| 105 | 21.2 | 1.3 | 41.3 |
| 51 | 32.1 | 10.6 | 50.6 |

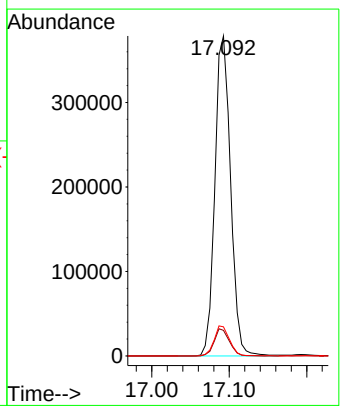


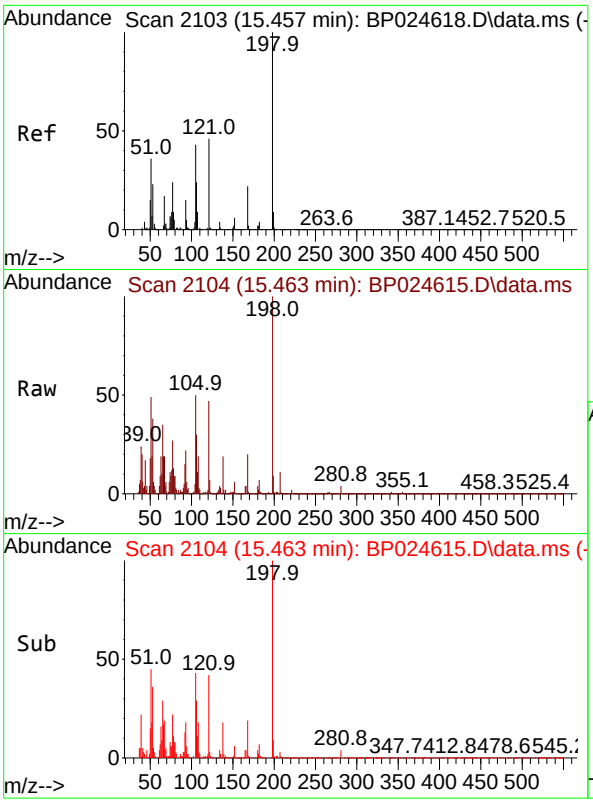




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.092 min Scan# 2381
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:188 Resp: 531548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.0 | 6.5 | 9.7 |
| 80 | 9.1 | 7.3 | 10.9 |



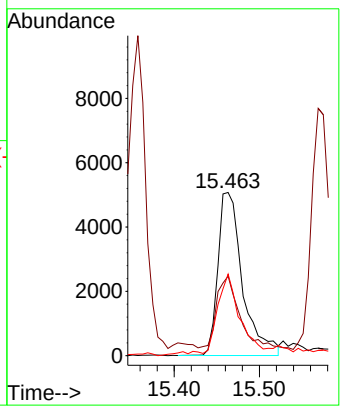


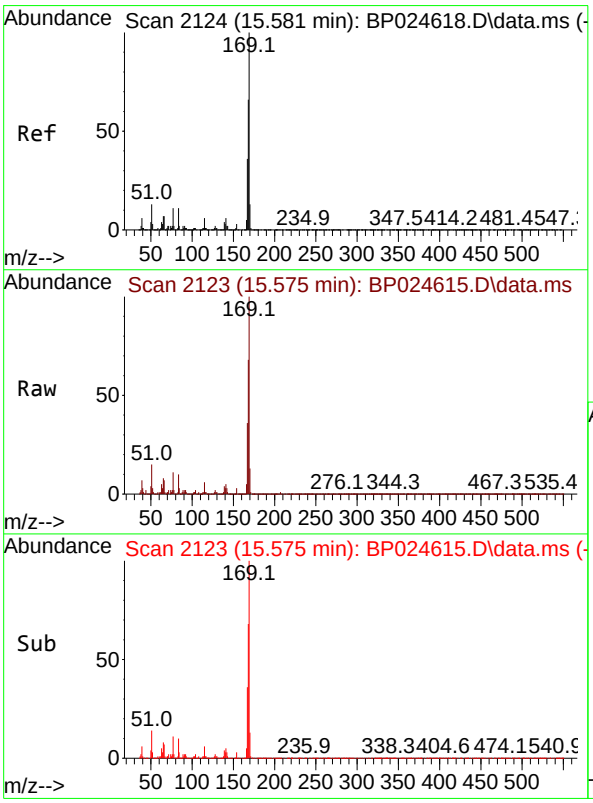

#65
4,6-Dinitro-2-methylphenol
Concen: 2.962 ng
RT: 15.463 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:198 Resp: 10171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 48.7 | 21.1 | 61.1 |
| 105 | 50.0 | 23.6 | 63.6 |

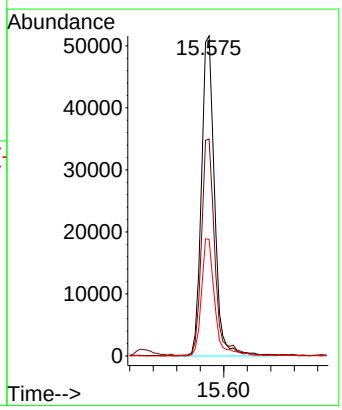


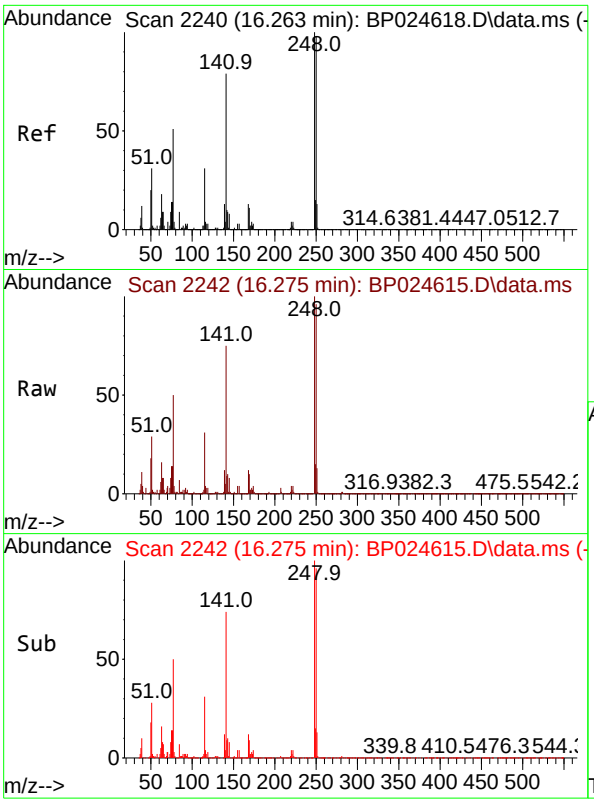




#66
n-Nitrosodiphenylamine
Concen: 4.905 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:169 Resp: 80078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.8 | 53.2 | 79.8 |
| 167 | 36.5 | 28.6 | 43.0 |



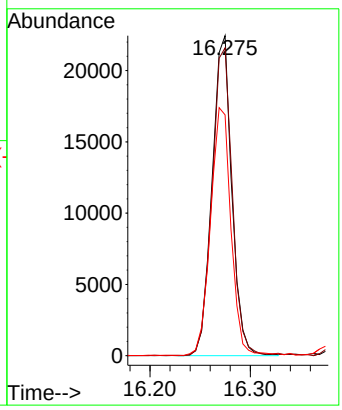


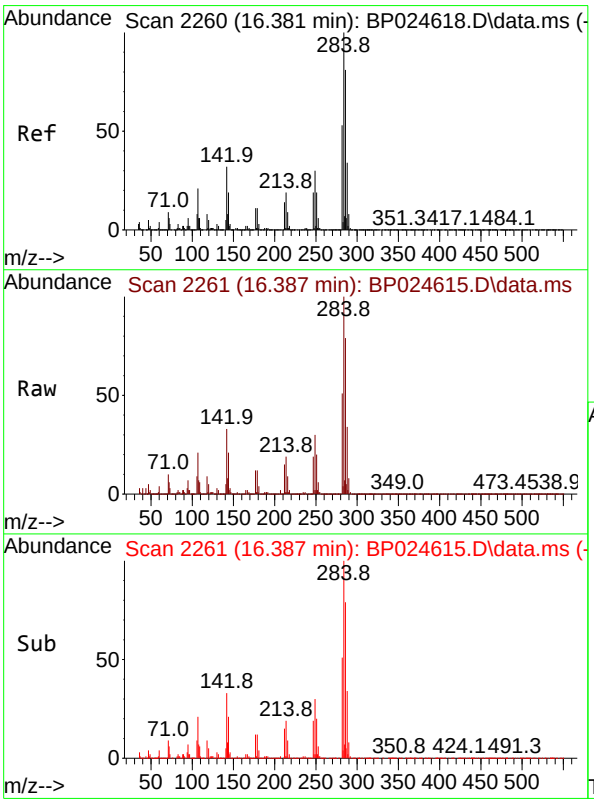

#67
4-Bromophenyl-phenylether
Concen: 4.902 ng
RT: 16.275 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:248 Resp: 30702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.2 | 78.2 | 117.4 |
| 141 | 75.3 | 63.0 | 94.6 |

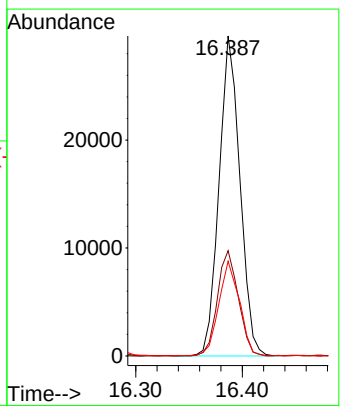


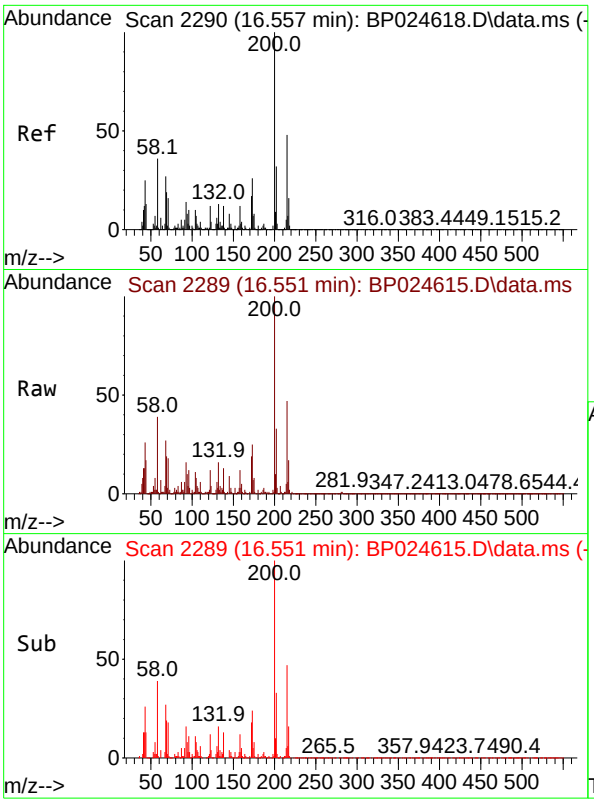




#68
Hexachlorobenzene
Concen: 5.055 ng
RT: 16.387 min Scan# 2261
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:284 Resp: 40234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.9 | 25.9 | 38.9 |
| 249 | 29.6 | 24.1 | 36.1 |



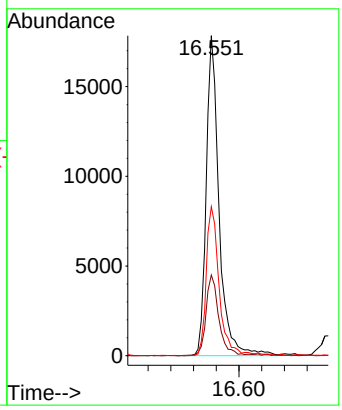


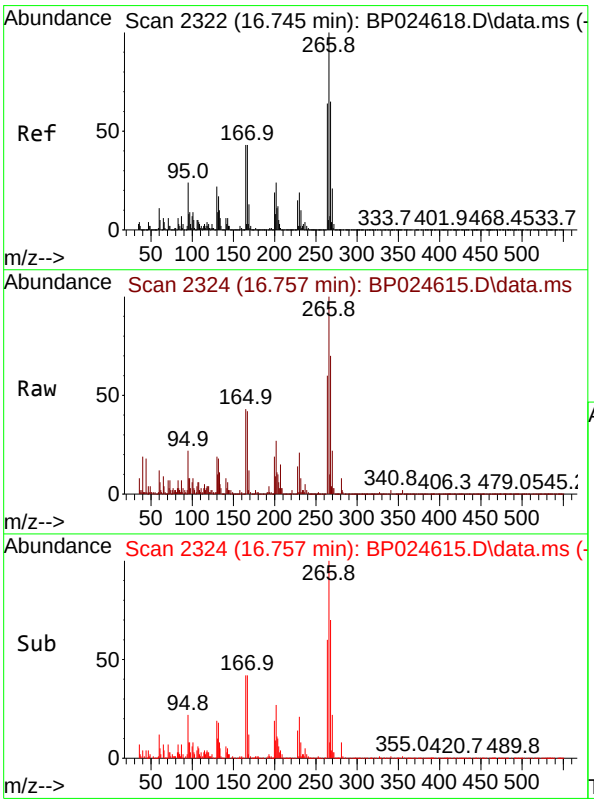

#69
Atrazine
Concen: 4.664 ng
RT: 16.551 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:200 Resp: 27909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.2 | 5.9 | 45.9 |
| 215 | 46.5 | 28.3 | 68.3 |

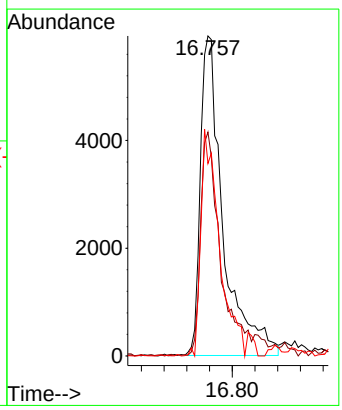


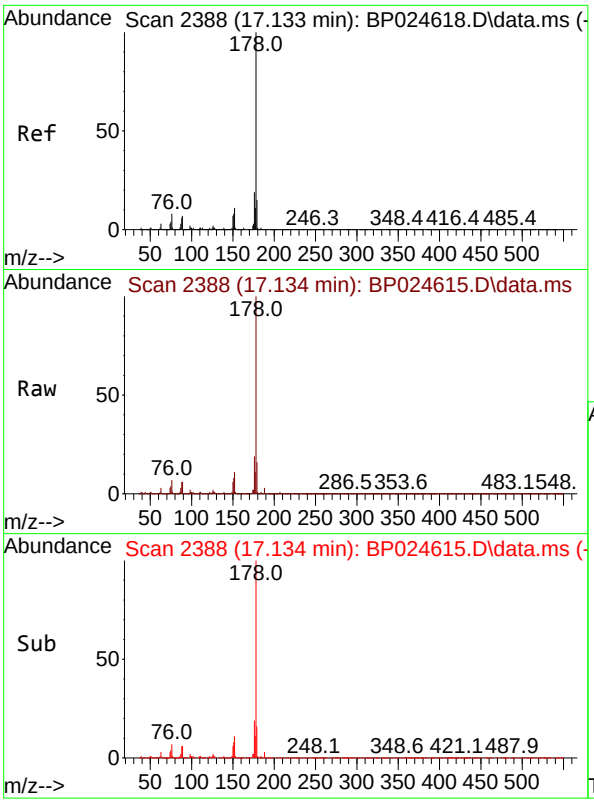




#70
Pentachlorophenol
Concen: 3.681 ng
RT: 16.757 min Scan# 2324
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:266 Resp: 16456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 69.9 | 52.2 | 78.4 |
| 264 | 60.1 | 51.1 | 76.7 |



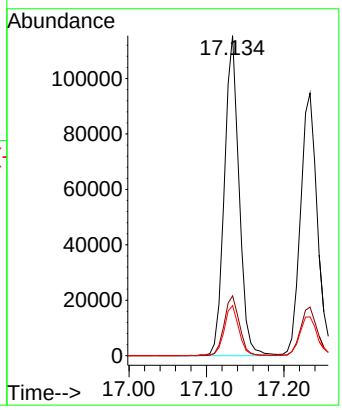


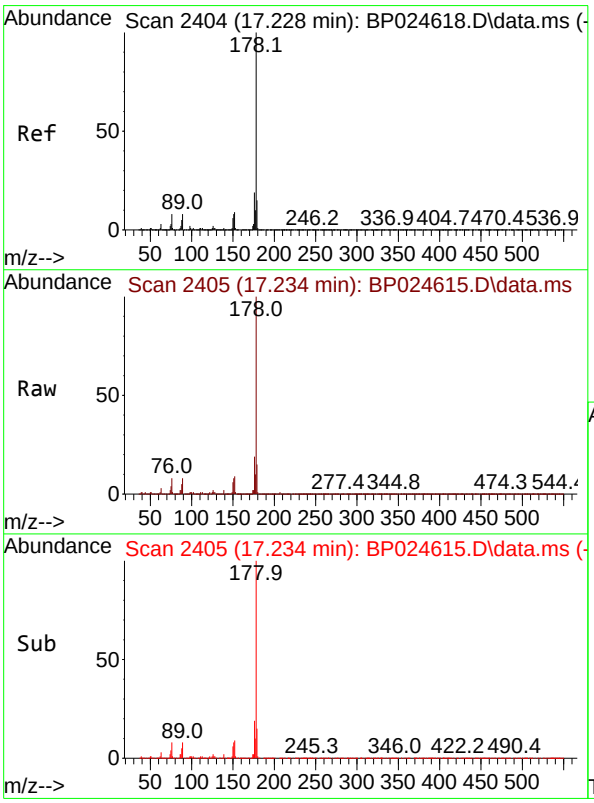

#71
Phenanthrene
Concen: 5.145 ng
RT: 17.134 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:178 Resp: 152030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.4 | 23.2 |
| 179 | 15.7 | 12.2 | 18.4 |

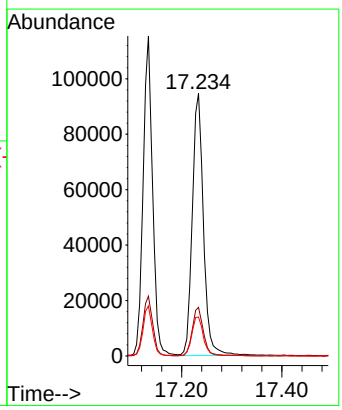


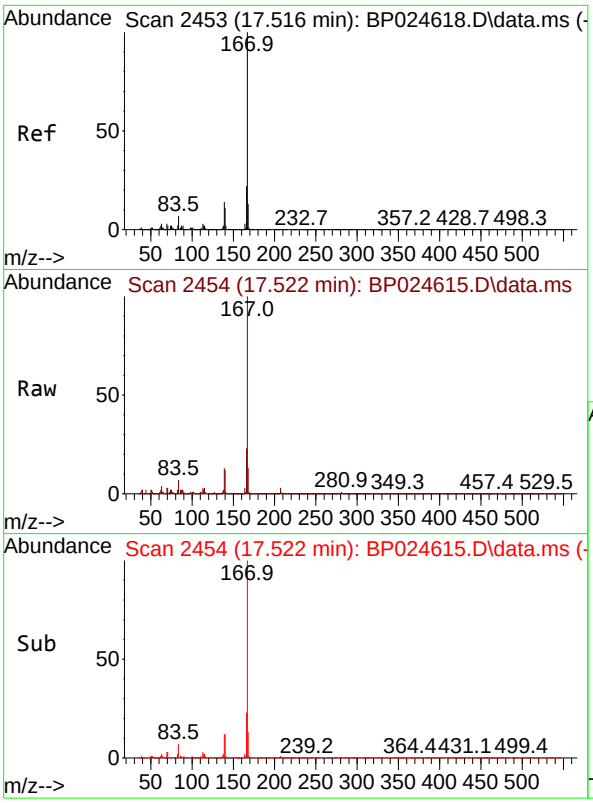




#72
Anthracene
Concen: 4.904 ng
RT: 17.234 min Scan# 2405
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:178 Resp: 145809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 15.0 | 22.4 |
| 179 | 14.8 | 12.2 | 18.2 |



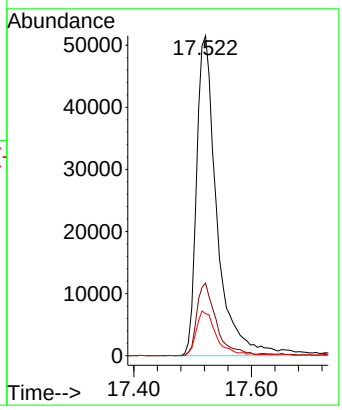


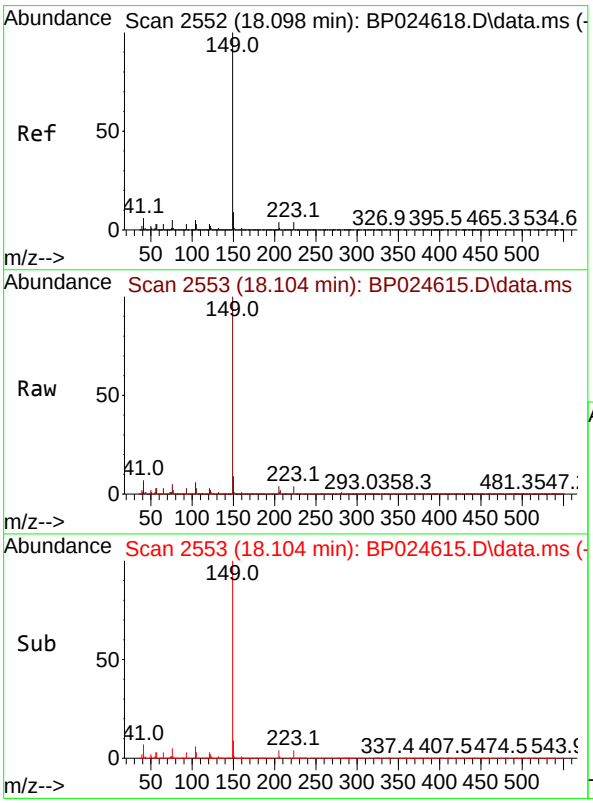

#73
Carbazole
Concen: 4.559 ng
RT: 17.522 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:167 Resp: 122666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.6 | 17.7 | 26.5 |
| 139 | 13.1 | 11.3 | 16.9 |

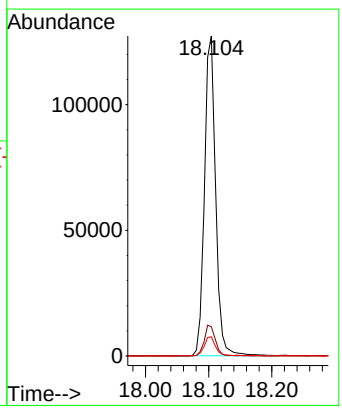


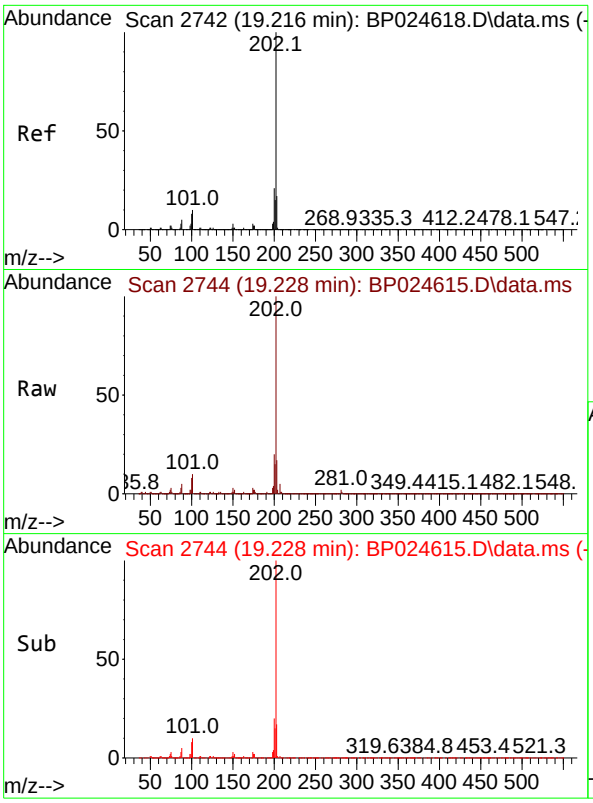




#74
Di-n-butylphthalate
Concen: 4.537 ng
RT: 18.104 min Scan# 2553
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:149 Resp: 157014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.2 | 10.8 |
| 104 | 6.0 | 4.3 | 6.5 |



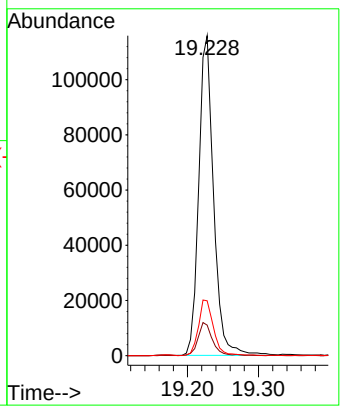


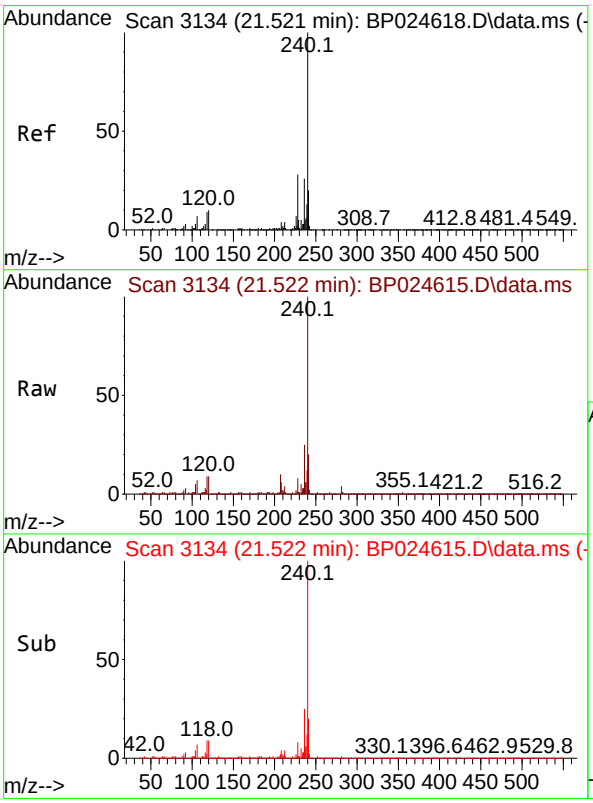

#75
Fluoranthene
Concen: 4.889 ng
RT: 19.228 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:202 Resp: 168865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.5 | 0.0 | 30.3 |
| 203 | 17.2 | 0.0 | 37.5 |

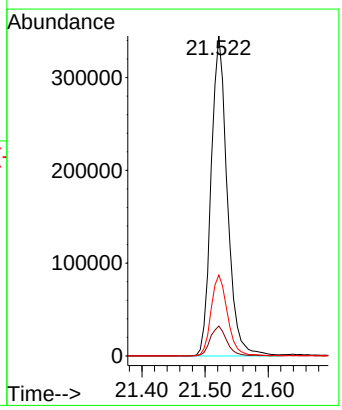


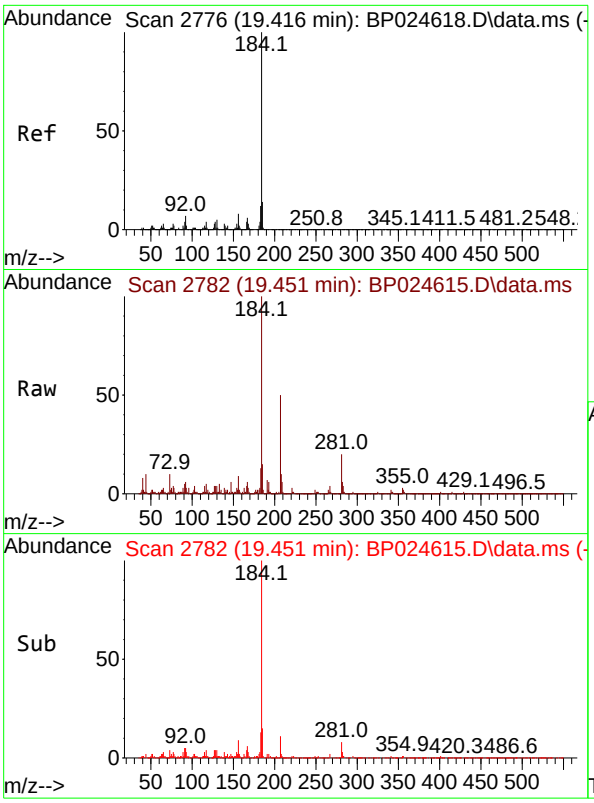




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.522 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:240 Resp: 614288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.4 | 7.8 | 11.6 |
| 236 | 25.3 | 20.6 | 31.0 |



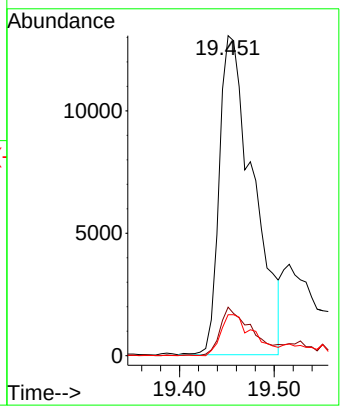


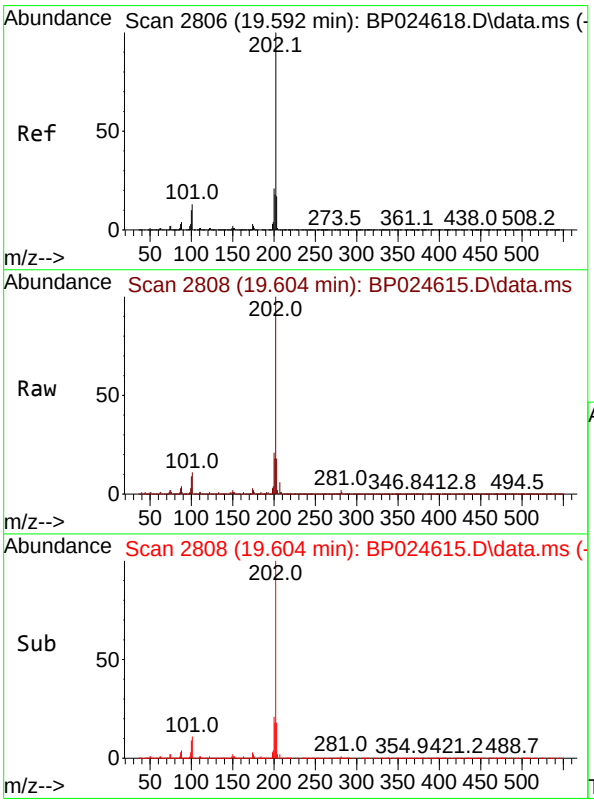

#77
Benzidine
Concen: 1.928 ng
RT: 19.451 min Scan# 2
Delta R.T. 0.035 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:184 Resp: 32514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.2 | 11.2 | 16.8 |
| 183 | 12.8 | 9.8 | 14.8 |

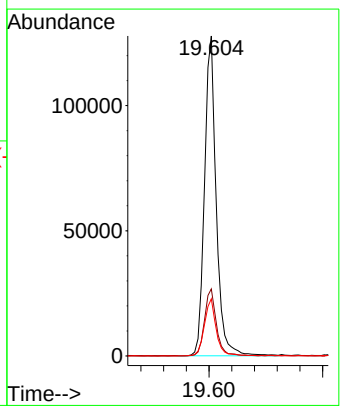


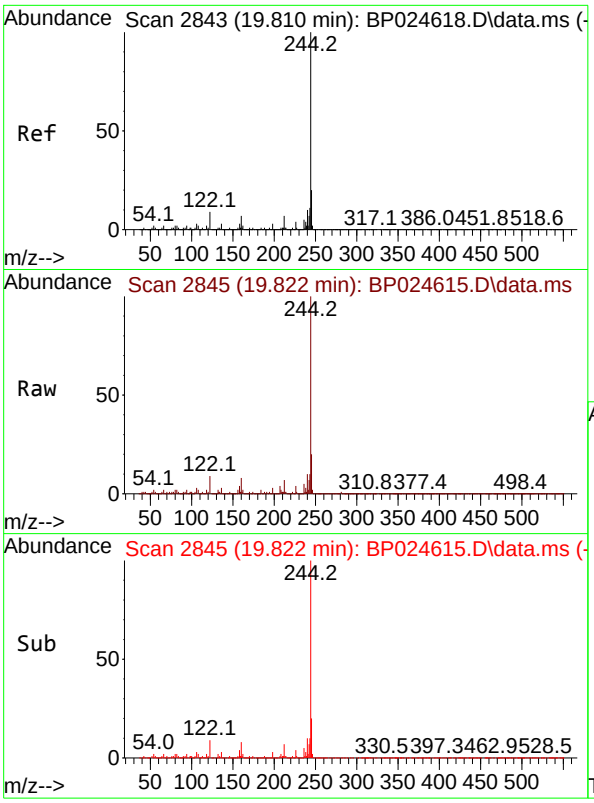




#78
Pyrene
Concen: 4.940 ng
RT: 19.604 min Scan# 2808
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:202 Resp: 181817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.0 | 16.9 | 25.3 |
| 203 | 17.8 | 13.9 | 20.9 |



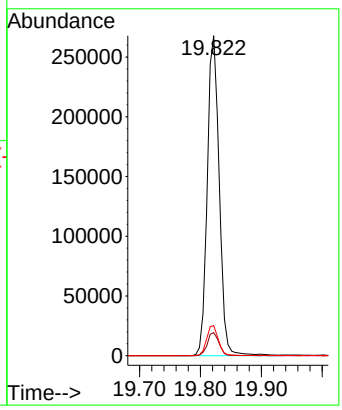


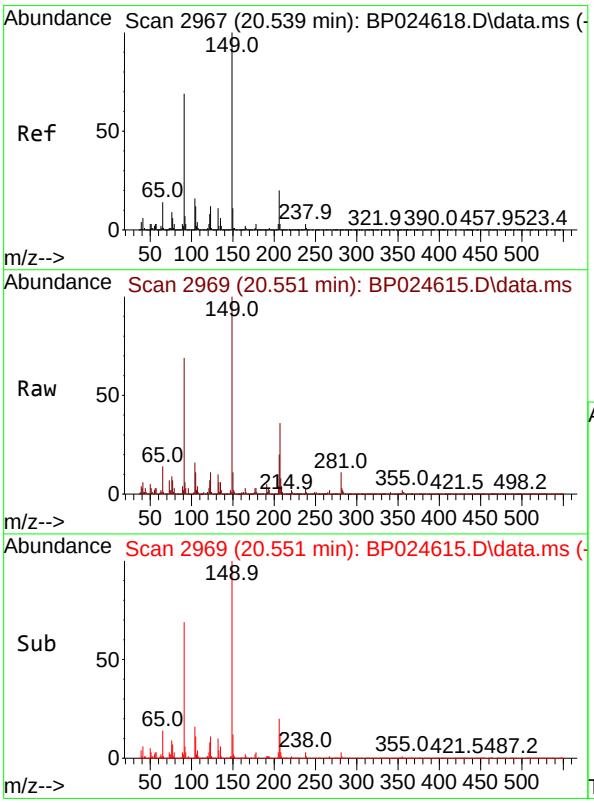

#79
Terphenyl-d14
Concen: 10.223 ng
RT: 19.822 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:244 Resp: 366245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 5.5 | 8.3 |
| 122 | 9.4 | 7.4 | 11.0 |

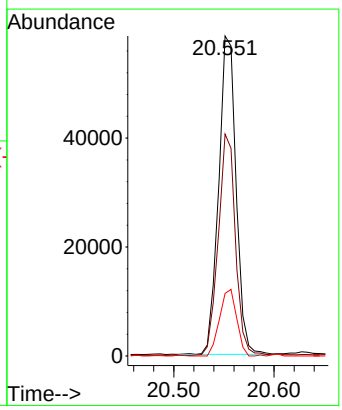


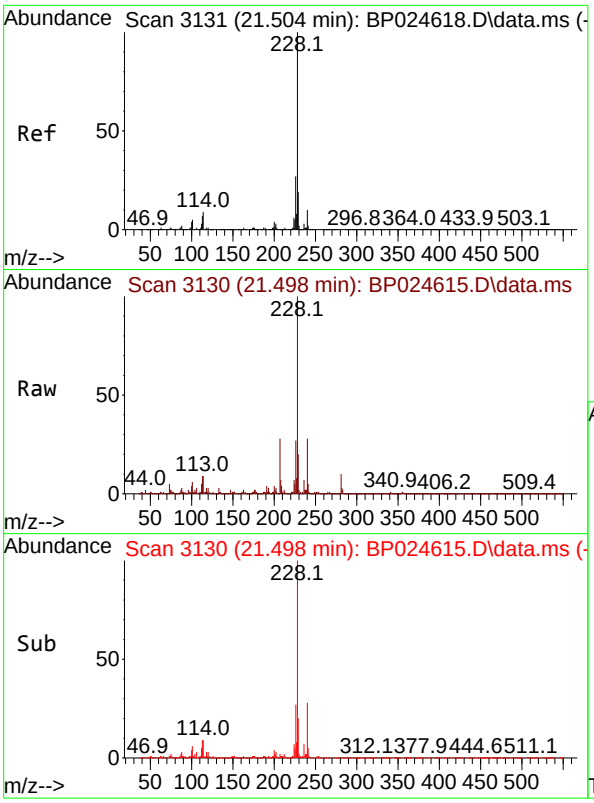




#80
Butylbenzylphthalate
Concen: 4.297 ng
RT: 20.551 min Scan# 2969
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:149 Resp: 70341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 69.3 | 55.4 | 83.0 |
| 206 | 19.5 | 16.2 | 24.2 |



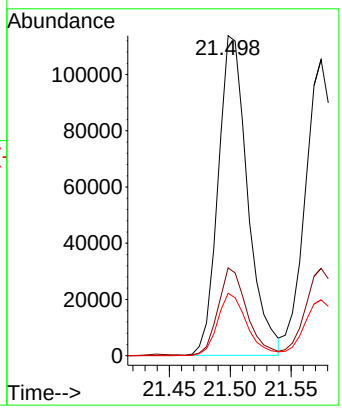


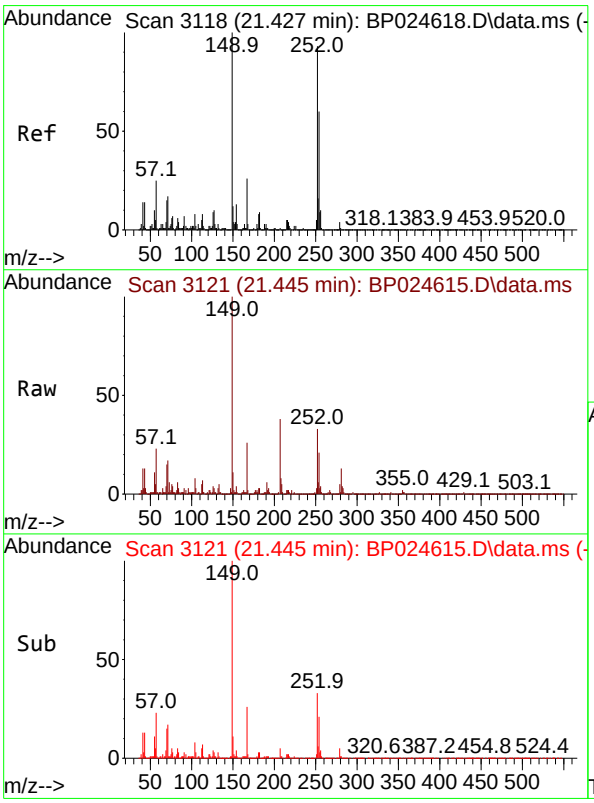

#81
Benzo(a)anthracene
Concen: 4.981 ng
RT: 21.498 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:228 Resp: 192110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.5 | 21.4 | 32.0 |
| 229 | 19.5 | 15.5 | 23.3 |

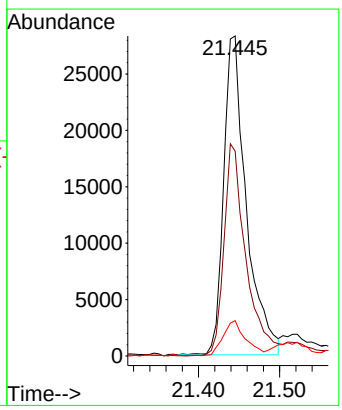


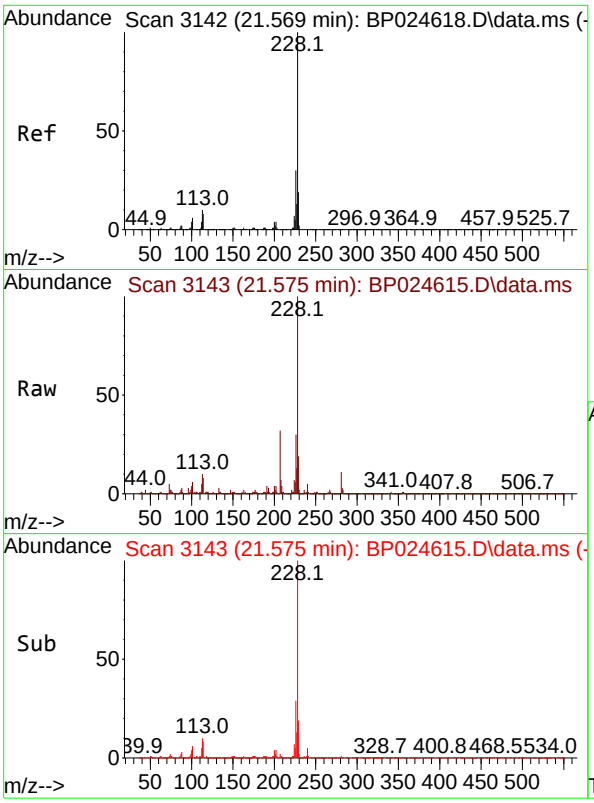




#82
3,3'-Dichlorobenzidine
Concen: 3.825 ng
RT: 21.445 min Scan# 3121
Delta R.T. 0.018 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:252 Resp: 54793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.0 | 51.8 | 77.6 |
| 126 | 11.0 | 7.7 | 11.5 |



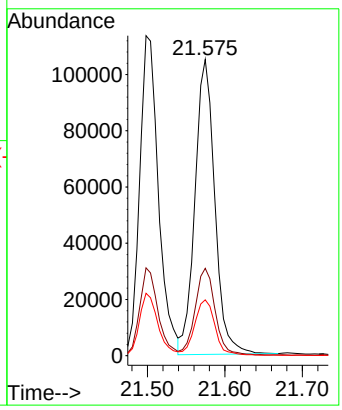


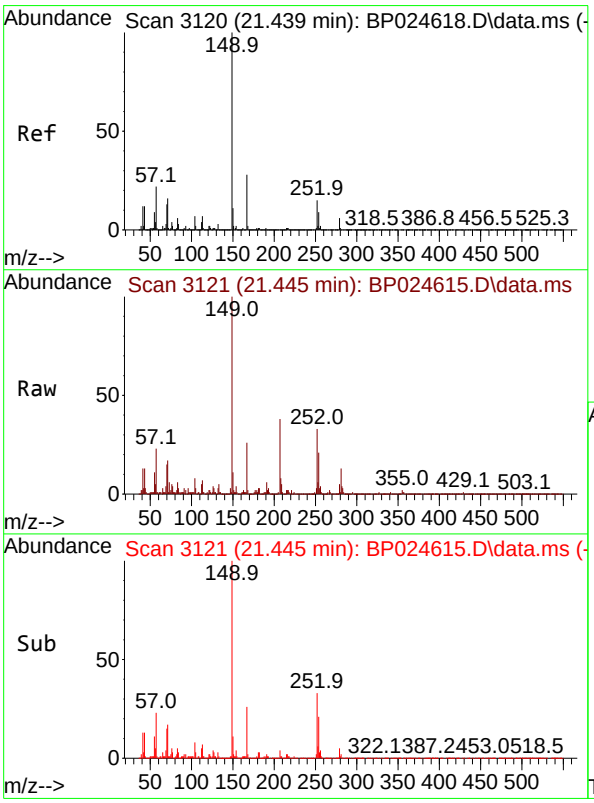

#83
Chrysene
Concen: 5.099 ng
RT: 21.575 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:228 Resp: 186449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.5 | 23.9 | 35.9 |
| 229 | 18.9 | 15.5 | 23.3 |

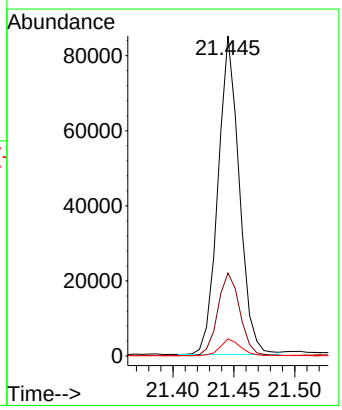


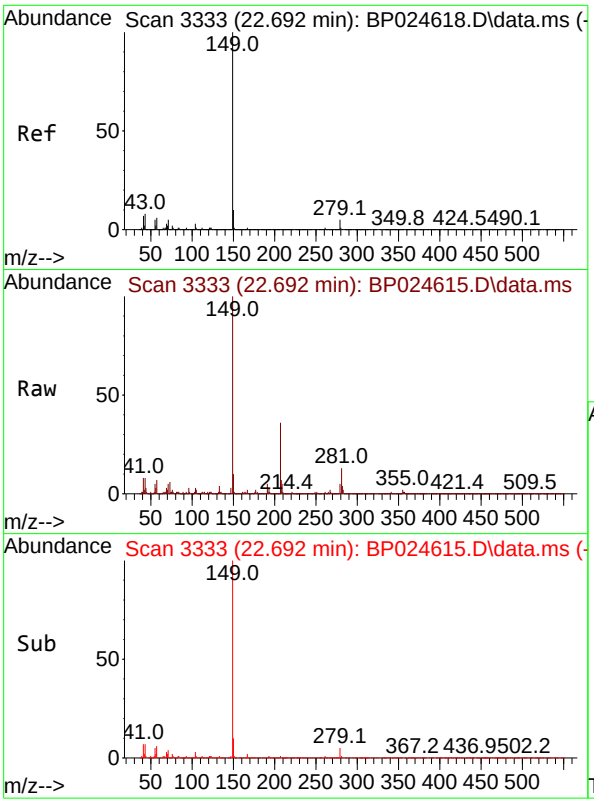




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.293 ng
RT: 21.445 min Scan# 3121
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:149 Resp: 103286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 25.9 | 22.1 | 33.1 |
| 279 | 5.4 | 4.6 | 6.8 |



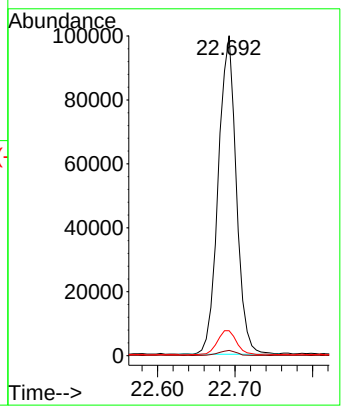


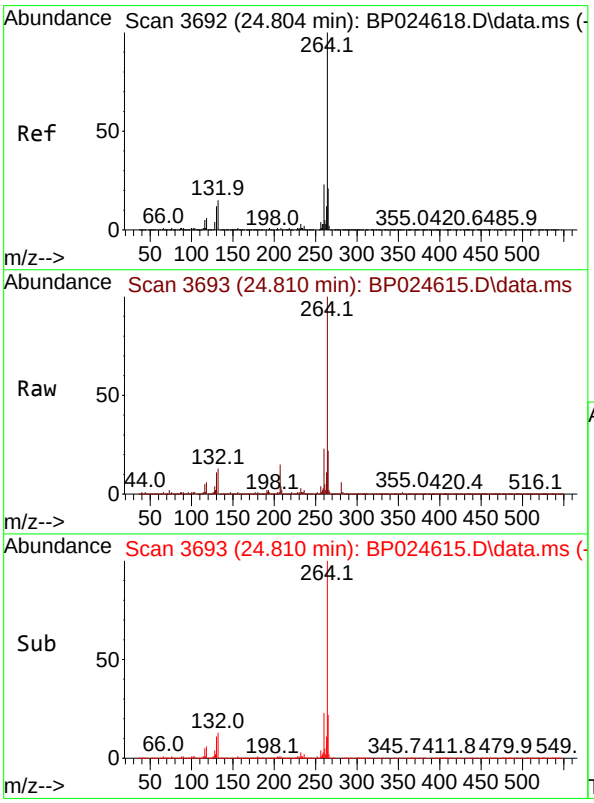

#85
Di-n-octyl phthalate
Concen: 4.089 ng
RT: 22.692 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:149 Resp: 160883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.2 | 1.8 |
| 43 | 8.2 | 6.3 | 9.5 |

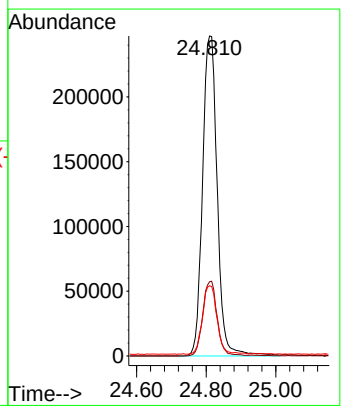


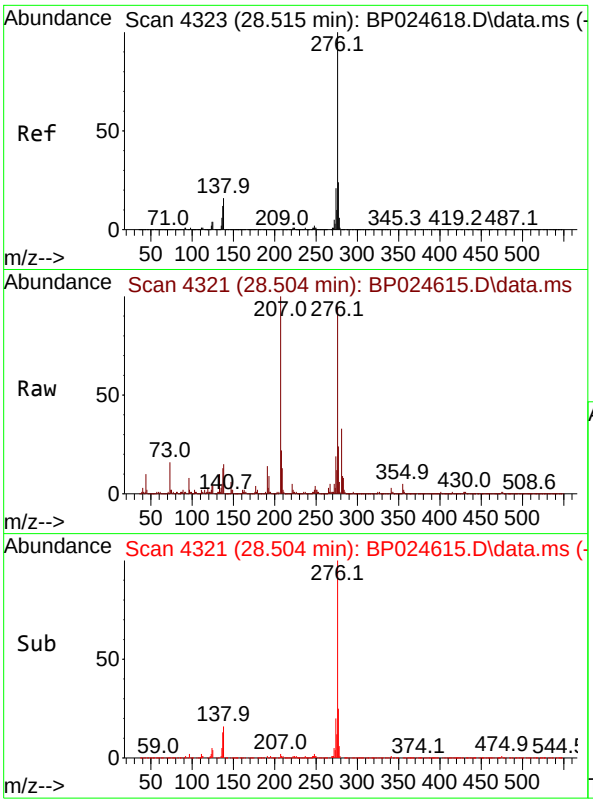




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.810 min Scan# 3693
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:264 Resp: 724260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 18.7 | 28.1 |
| 265 | 22.0 | 17.0 | 25.6 |



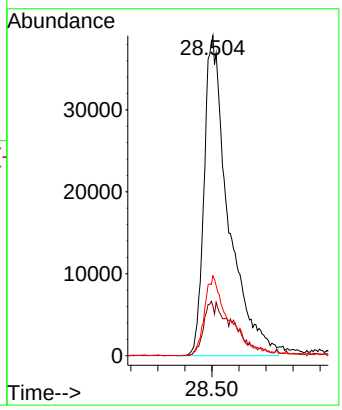


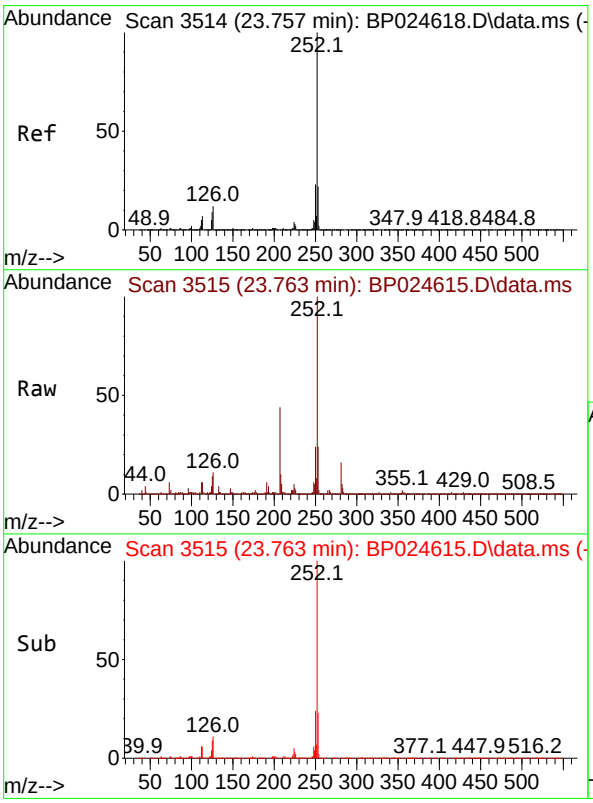

#87
Indeno(1,2,3-cd)pyrene
Concen: 4.591 ng
RT: 28.504 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:276 Resp: 242814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 7.4 | 11.2 | 16.8# |
| 277 | 24.4 | 15.7 | 23.5# |

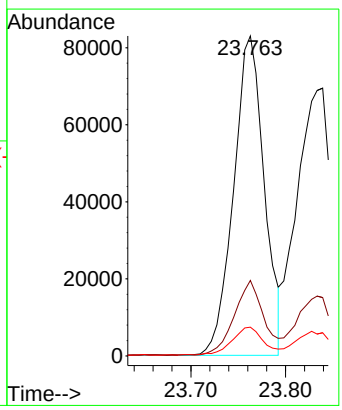


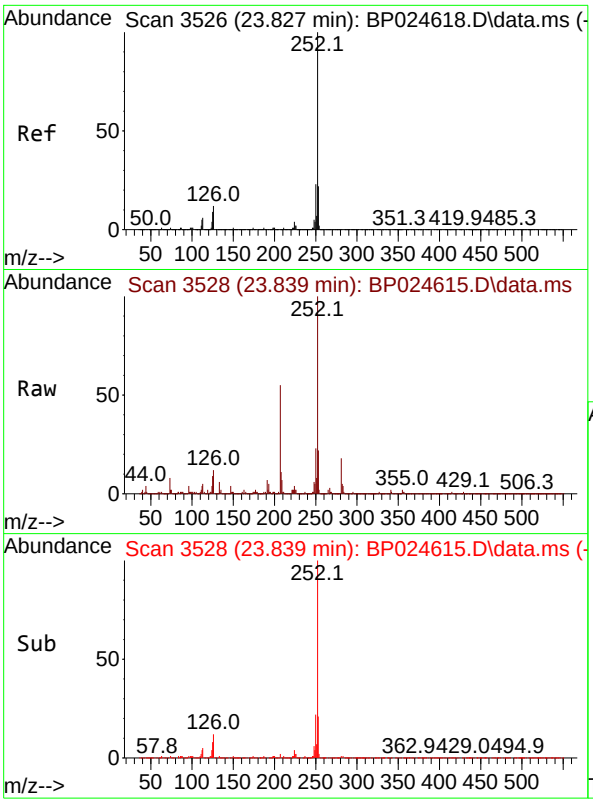




#88
Benzo(b)fluoranthene
Concen: 4.488 ng
RT: 23.763 min Scan# 3515
Delta R.T. 0.006 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:252 Resp: 186058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.6 | 17.7 | 26.5 |
| 125 | 9.0 | 7.5 | 11.3 |



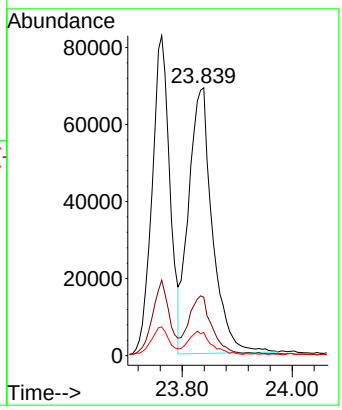


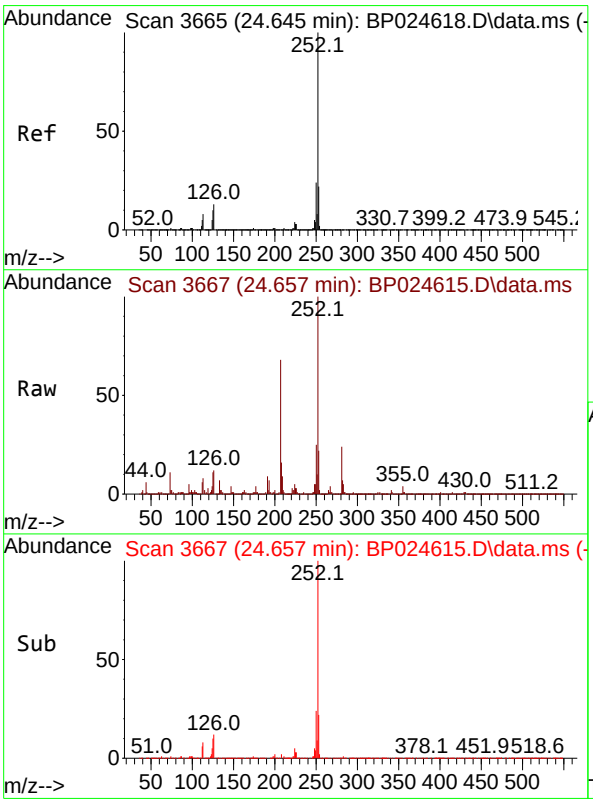

#89
Benzo(k)fluoranthene
Concen: 4.861 ng
RT: 23.839 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:252 Resp: 207645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.6 | 26.4 |
| 125 | 8.7 | 7.0 | 10.4 |

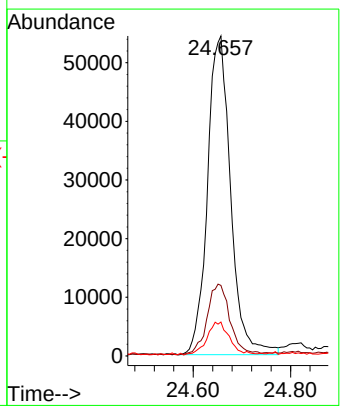


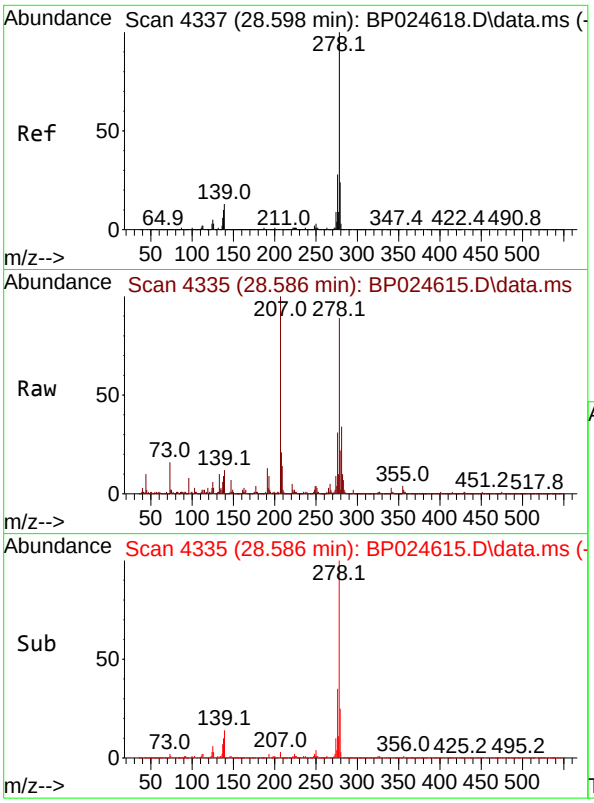




#90
Benzo(a)pyrene
Concen: 4.525 ng
RT: 24.657 min Scan# 3667
Delta R.T. 0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:252 Resp: 180157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.7 | 26.5 |
| 125 | 10.6 | 8.1 | 12.1 |



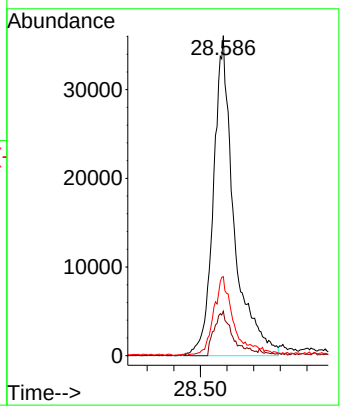


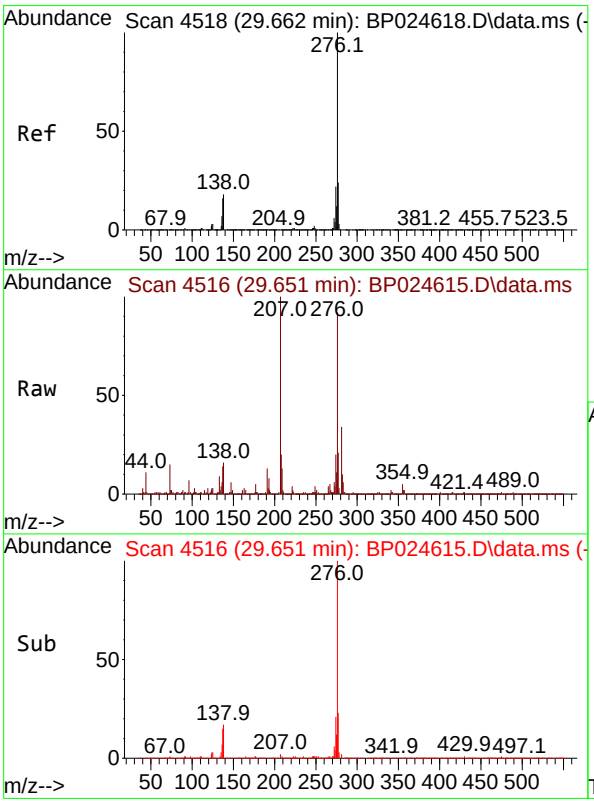

#91
Dibenzo(a,h)anthracene
Concen: 4.495 ng
RT: 28.586 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

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

Tgt Ion:278 Resp: 193373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.9 | 10.2 | 15.4 |
| 279 | 24.7 | 19.0 | 28.4 |

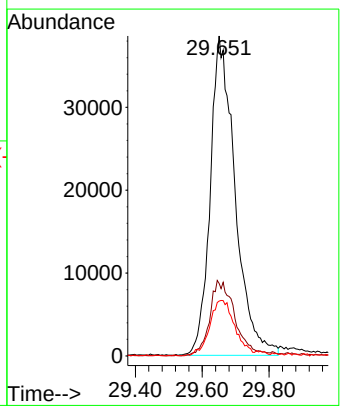



#92
Benzo(g,h,i)perylene
Concen: 4.660 ng
RT: 29.651 min Scan# 4516
Delta R.T. -0.012 min
Lab File: BP024615.D
Acq: 13 May 2025 11:22

Tgt Ion:276 Resp: 199361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 22.7 | 19.0 | 28.4 |
| 138 | 17.2 | 14.4 | 21.6 |



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024616.D
Acq On : 13 May 2025 12:03
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Quant Time: May 13 16:04:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.663 | 152 | 94972 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.434 | 136 | 398657 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.292 | 164 | 268335 | 20.000 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.098 | 188 | 556673 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.516 | 240 | 659092 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.798 | 264 | 780142 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.293 | 112 | 104115 | 18.750 | ng | | 0.00 |
| 7) Phenol-d6 | 6.858 | 99 | 127652 | 18.013 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.810 | 82 | 149876 | 18.996 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.810 | 330 | 86099 | 18.927 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.904 | 172 | 401986 | 19.627 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.822 | 244 | 733687 | 19.088 | ng | | 0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.228 | 88 | 26472 | 10.153 | ng | | 99 |
| 3) Pyridine | 3.634 | 79 | 53915 | 9.325 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.540 | 42 | 24093 | 9.439 | ng | # | 96 |
| 6) Aniline | 7.005 | 93 | 80863 | 8.838 | ng | | 99 |
| 8) 2-Chlorophenol | 7.240 | 128 | 57182 | 9.071 | ng | | 99 |
| 9) Benzaldehyde | 6.822 | 77 | 48904 | 10.679 | ng | | 97 |
| 10) Phenol | 6.881 | 94 | 66520 | 9.094 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.093 | 93 | 55575 | 9.247 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.557 | 146 | 70590 | 9.734 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 7.699 | 146 | 71467 | 9.798 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.010 | 146 | 69643 | 9.799 | ng | | 96 |
| 15) Benzyl Alcohol | 7.916 | 79 | 45094 | 8.373 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.187 | 45 | 68599 | 9.531 | ng | | 98 |
| 17) 2-Methylphenol | 8.116 | 107 | 45071 | 8.591 | ng | | 96 |
| 18) Hexachloroethane | 8.728 | 117 | 28078 | 10.045 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 8.463 | 70 | 45927 | 9.369 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.446 | 107 | 61832 | 8.665 | ng | | 95 |
| 22) Acetophenone | 8.481 | 105 | 95803 | 9.620 | ng | # | 99 |
| 24) Nitrobenzene | 8.857 | 77 | 67735 | 9.755 | ng | | 98 |
| 25) Isophorone | 9.375 | 82 | 127474 | 9.314 | ng | | 99 |
| 26) 2-Nitrophenol | 9.563 | 139 | 28470 | 8.368 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 9.628 | 122 | 55664 | 9.279 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 9.851 | 93 | 78019 | 9.542 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.110 | 162 | 51386 | 8.840 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.304 | 180 | 64245 | 9.807 | ng | | 96 |
| 31) Naphthalene | 10.481 | 128 | 204468 | 9.897 | ng | | 99 |
| 32) Benzoic acid | 9.746 | 122 | 8077 | 8.435 | ng | | 92 |
| 33) 4-Chloroaniline | 10.610 | 127 | 73990 | 8.876 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.769 | 225 | 42567 | 10.031 | ng | | 97 |
| 35) Caprolactam | 11.381 | 113 | 16855 | 8.019 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 11.746 | 107 | 64857 | 9.149 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.098 | 142 | 130412 | 9.749 | ng | | 100 |
| 38) 1-Methylnaphthalene | 12.316 | 142 | 139573 | 9.752 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.475 | 216 | 74824 | 9.603 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.451 | 237 | 37072 | 7.846 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.722 | 196 | 45798 | 9.074 | ng | | 96 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024616.D
Acq On : 13 May 2025 12:03
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Quant Time: May 13 16:04:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.810 | 196 | 50348 | 8.962 | ng | | 94 |
| 46) 1,1'-Biphenyl | 13.122 | 154 | 192445 | 9.703 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.163 | 162 | 148443 | 9.816 | ng | | 99 |
| 48) 2-Nitroaniline | 13.375 | 65 | 40786 | 9.110 | ng | | 93 |
| 49) Acenaphthylene | 14.010 | 152 | 243913 | 9.638 | ng | | 98 |
| 50) Dimethylphthalate | 13.751 | 163 | 204825 | 10.015 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 13.869 | 165 | 41257 | 9.551 | ng | | 92 |
| 52) Acenaphthene | 14.357 | 154 | 141360 | 9.717 | ng | | 99 |
| 53) 3-Nitroaniline | 14.216 | 138 | 36906 | 8.368 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 14.439 | 184 | 13128 | 10.835 | ng | | 95 |
| 55) Dibenzofuran | 14.704 | 168 | 230286 | 9.924 | ng | | 99 |
| 56) 4-Nitrophenol | 14.575 | 139 | 21349 | 9.529 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 14.675 | 165 | 56617 | 9.297 | ng | | 94 |
| 58) Fluorene | 15.357 | 166 | 189781 | 10.030 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.939 | 232 | 48821 | 9.368 | ng | | 99 |
| 60) Diethylphthalate | 15.134 | 149 | 206886 | 10.008 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.357 | 204 | 93517 | 9.910 | ng | | 97 |
| 62) 4-Nitroaniline | 15.404 | 138 | 27520 | 6.409 | ng | | 92 |
| 63) Azobenzene | 15.657 | 77 | 174322 | 9.858 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.457 | 198 | 26174 | 7.279 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.575 | 169 | 164008 | 9.592 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.269 | 248 | 62011 | 9.454 | ng | | 97 |
| 68) Hexachlorobenzene | 16.392 | 284 | 80088 | 9.609 | ng | | 98 |
| 69) Atrazine | 16.551 | 200 | 58245 | 9.295 | ng | | 99 |
| 70) Pentachlorophenol | 16.757 | 266 | 36201 | 7.733 | ng | | 99 |
| 71) Phenanthrene | 17.139 | 178 | 301863 | 9.754 | ng | | 100 |
| 72) Anthracene | 17.239 | 178 | 296146 | 9.512 | ng | | 100 |
| 73) Carbazole | 17.522 | 167 | 262687 | 9.322 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.116 | 149 | 338893 | 9.351 | ng | | 100 |
| 75) Fluoranthene | 19.227 | 202 | 349083 | 9.650 | ng | | 99 |
| 77) Benzidine | 19.445 | 184 | 96179 | 5.316 | ng | | 99 |
| 78) Pyrene | 19.604 | 202 | 374573 | 9.485 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.551 | 149 | 153275 | 8.727 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.498 | 228 | 401322 | 9.697 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.433 | 252 | 129324 | 8.413 | ng | | 99 |
| 83) Chrysene | 21.569 | 228 | 388846 | 9.912 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 21.439 | 149 | 225047 | 8.718 | ng | | 100 |
| 85) Di-n-octyl phthalate | 22.680 | 149 | 367934 | 8.716 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.503 | 276 | 529260 | 9.290 | ng | # | 92 |
| 88) Benzo(b)fluoranthene | 23.751 | 252 | 417343 | 9.346 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.821 | 252 | 431575 | 9.379 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.627 | 252 | 390288 | 9.100 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 28.574 | 278 | 415768 | 8.973 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.650 | 276 | 431559 | 9.366 | ng | | 97 |

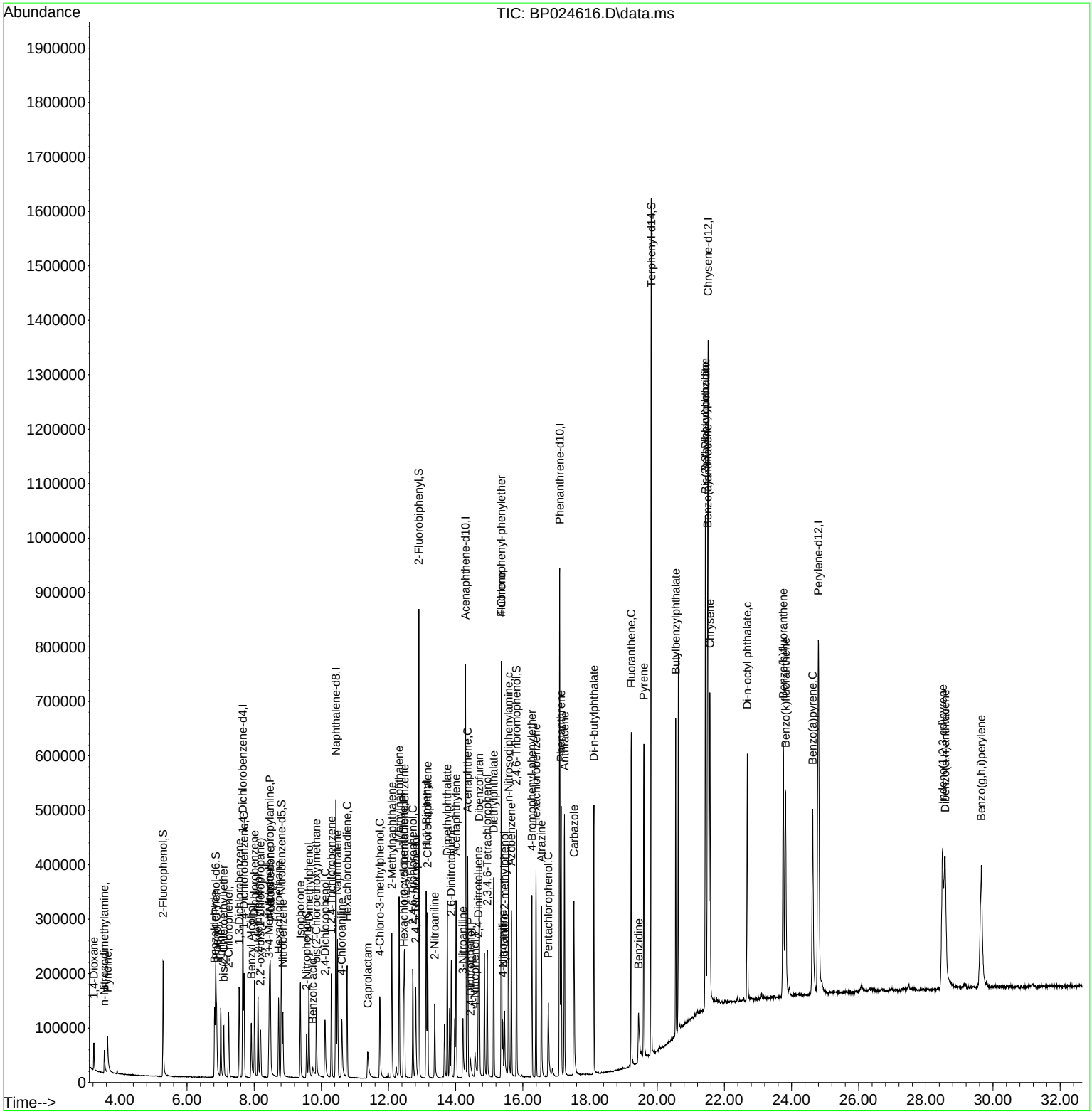
(#) = qualifier out of range (m) = manual integration (+) = signals summed

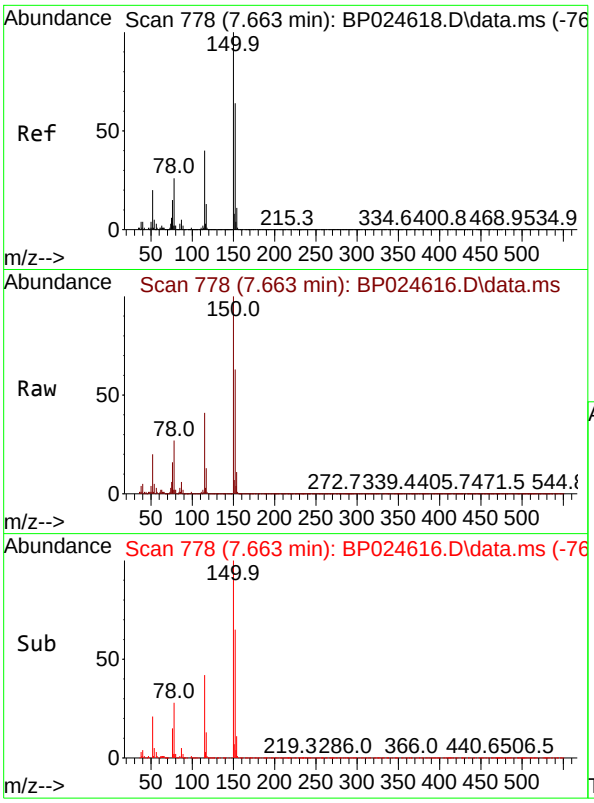
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024616.D
Acq On : 13 May 2025 12:03
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Quant Time: May 13 16:04:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration



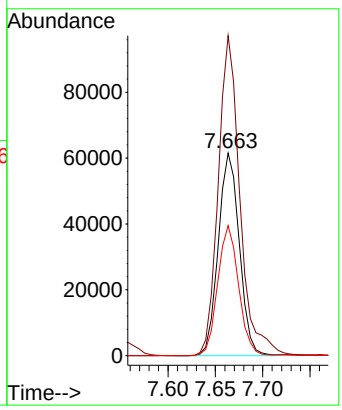


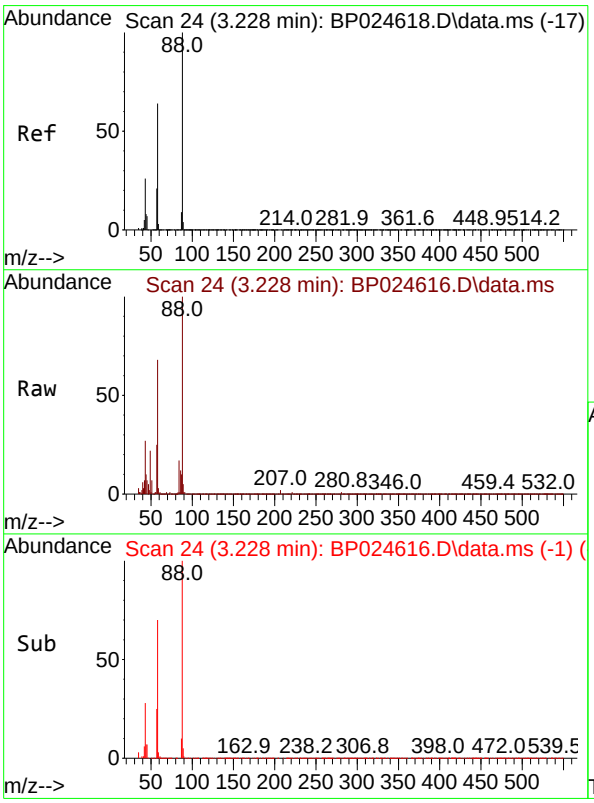

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:152 Resp: 94972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.0 | 125.9 | 188.9 |
| 115 | 64.2 | 50.1 | 75.1 |

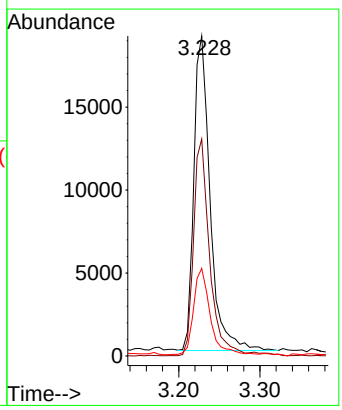


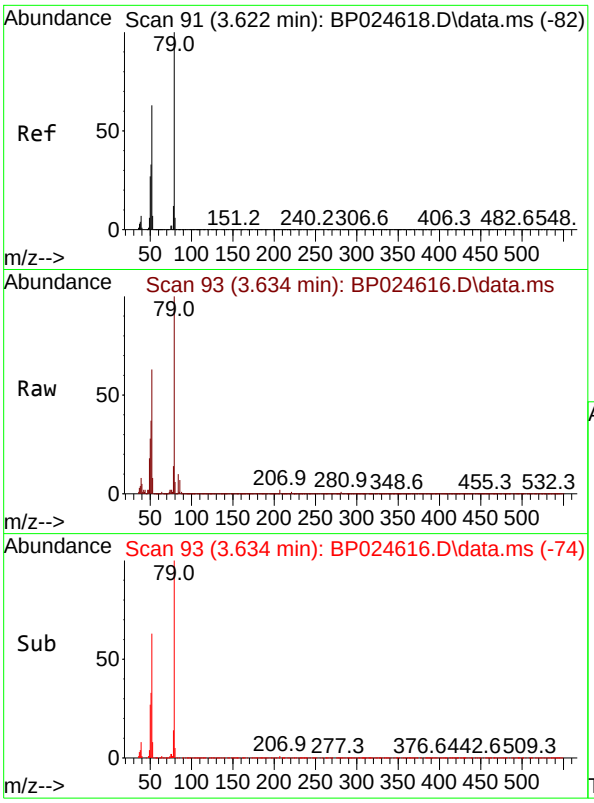




#2
1,4-Dioxane
Concen: 10.153 ng
RT: 3.228 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 88 Resp: 26472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 67.6 | 54.0 | 81.0 |
| 43 | 27.8 | 21.4 | 32.0 |



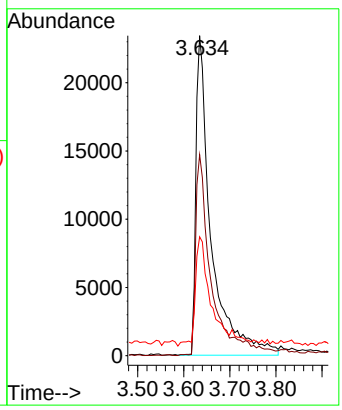


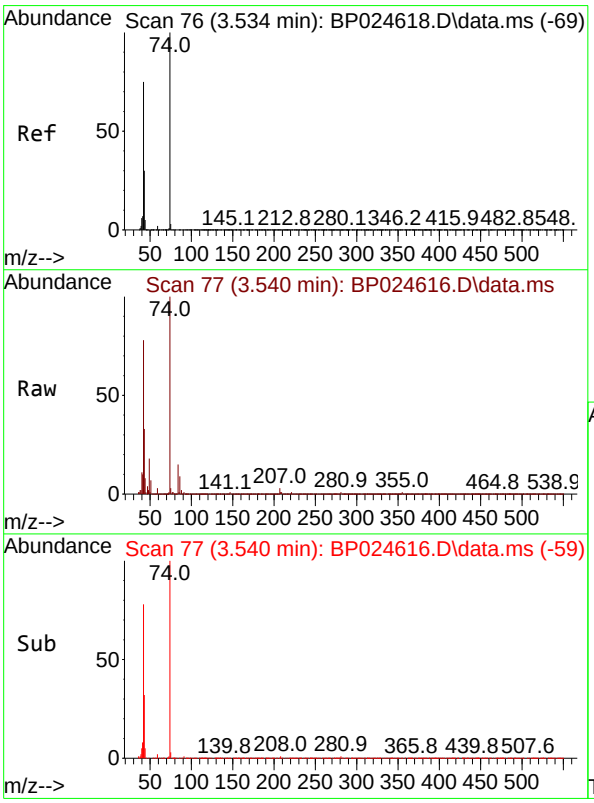

#3
Pyridine
Concen: 9.325 ng
RT: 3.634 min Scan# 9
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion: 79 Resp: 53915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 62.8 | 50.2 | 75.2 |
| 51 | 37.1 | 26.8 | 40.2 |

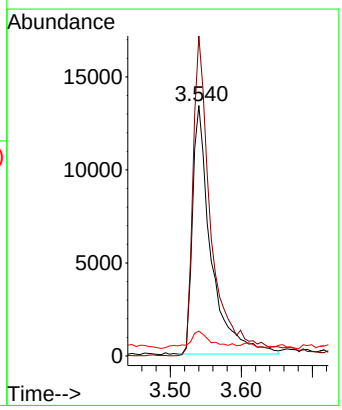


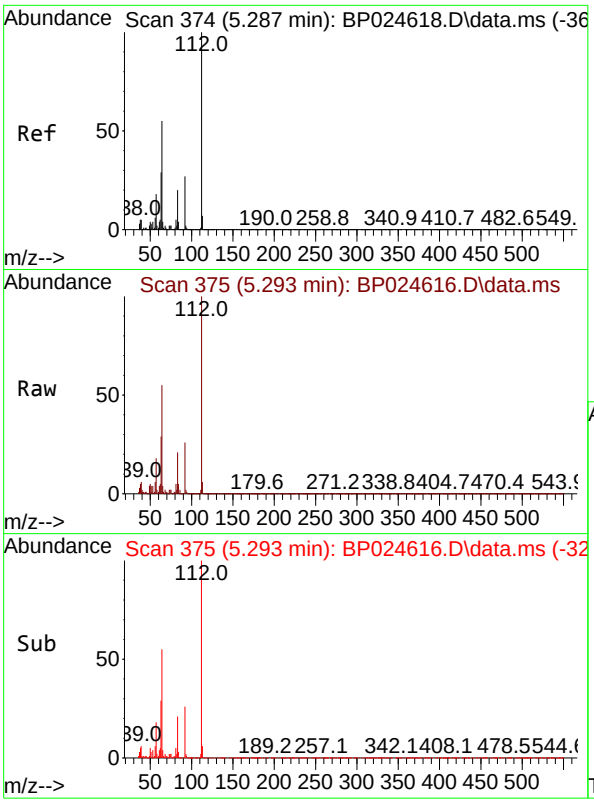




#4
n-Nitrosodimethylamine
Concen: 9.439 ng
RT: 3.540 min Scan# 77
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 42 Resp: 24093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 127.8 | 106.2 | 159.2 |
| 44 | 9.9 | 5.4 | 8.2# |



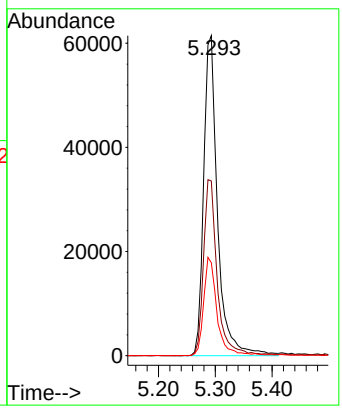


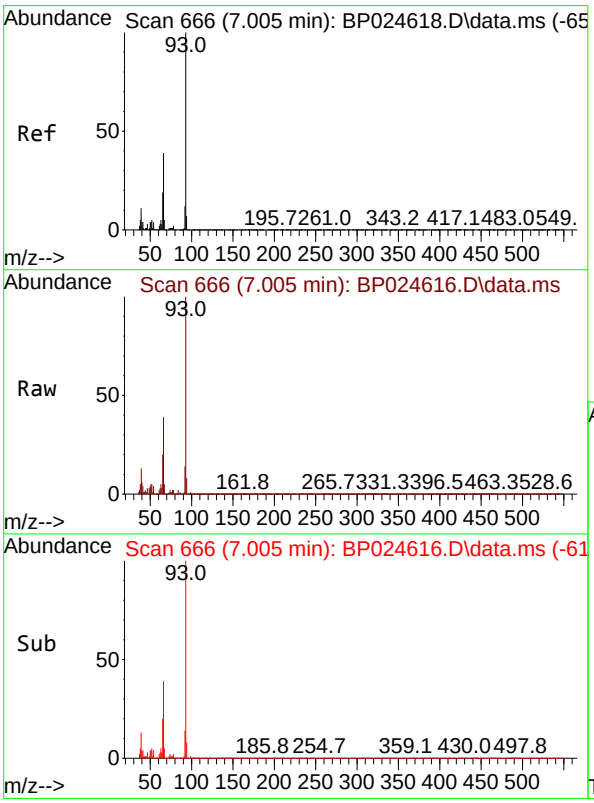

#5
2-Fluorophenol
Concen: 18.750 ng
RT: 5.293 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:112 Resp: 104115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.6 | 44.1 | 66.1 |
| 63 | 29.0 | 23.5 | 35.3 |

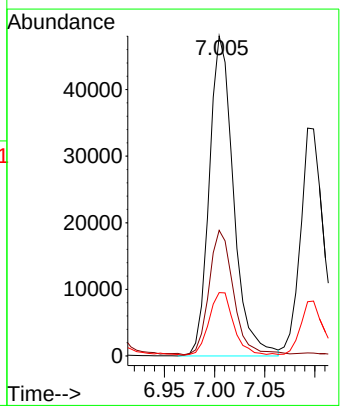


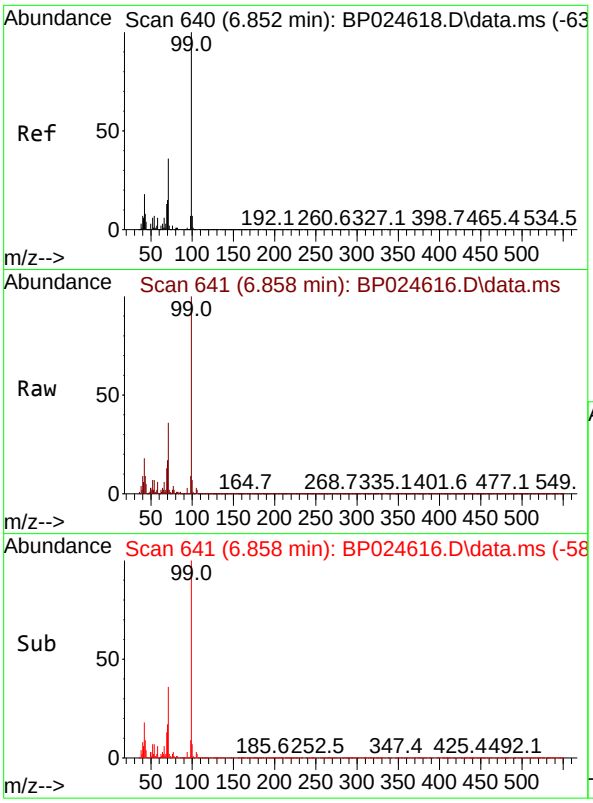




#6
Aniline
Concen: 8.838 ng
RT: 7.005 min Scan# 666
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 93 Resp: 80863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.2 | 31.0 | 46.6 |
| 65 | 19.8 | 15.5 | 23.3 |



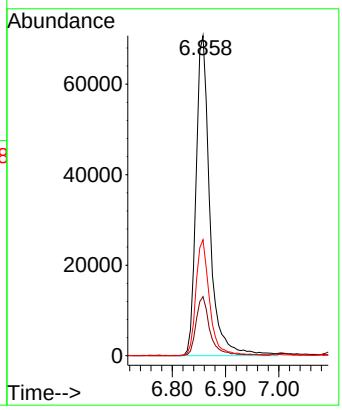


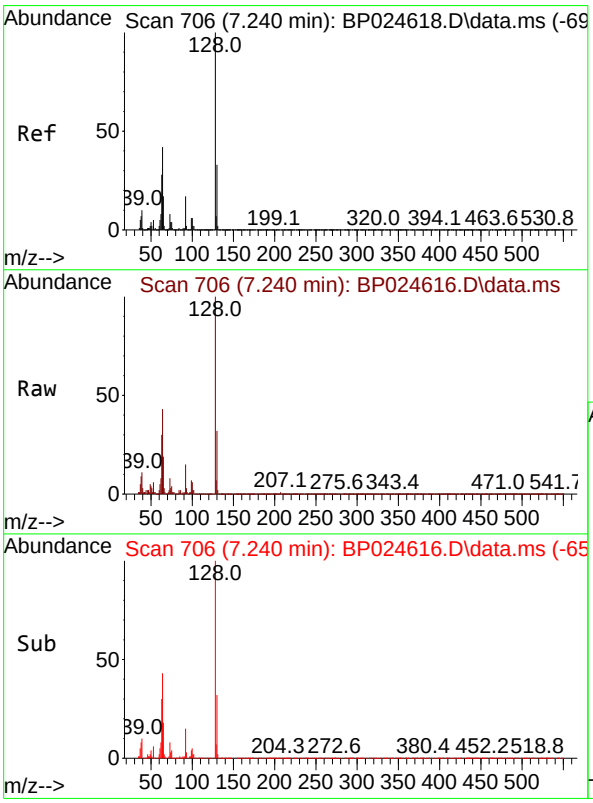

#7
Phenol-d6
Concen: 18.013 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion: 99 Resp: 127652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.4 | 14.4 | 21.6 |
| 71 | 36.3 | 29.2 | 43.8 |

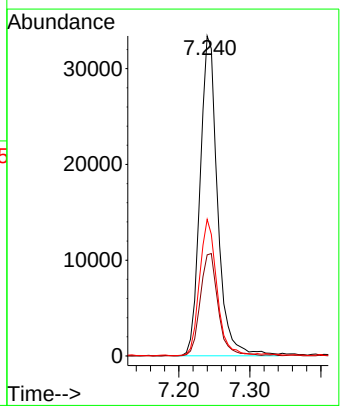


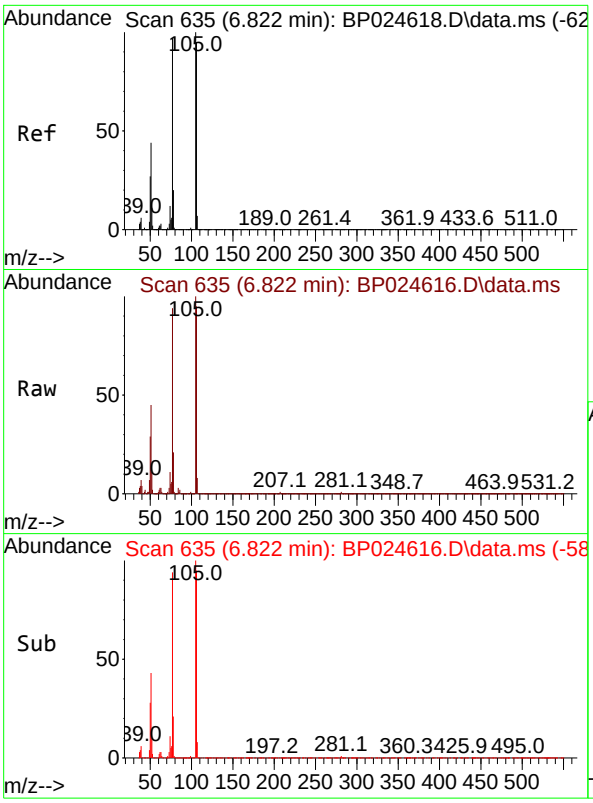




#8
2-Chlorophenol
Concen: 9.071 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:128 Resp: 57182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 31.6 | 13.0 | 53.0 |
| 64 | 42.7 | 22.3 | 62.3 |



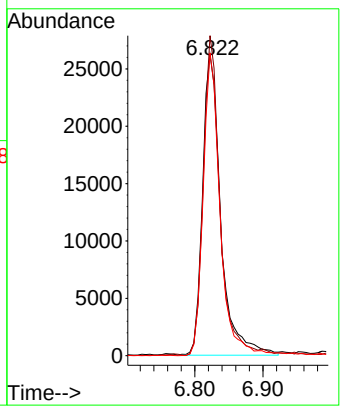


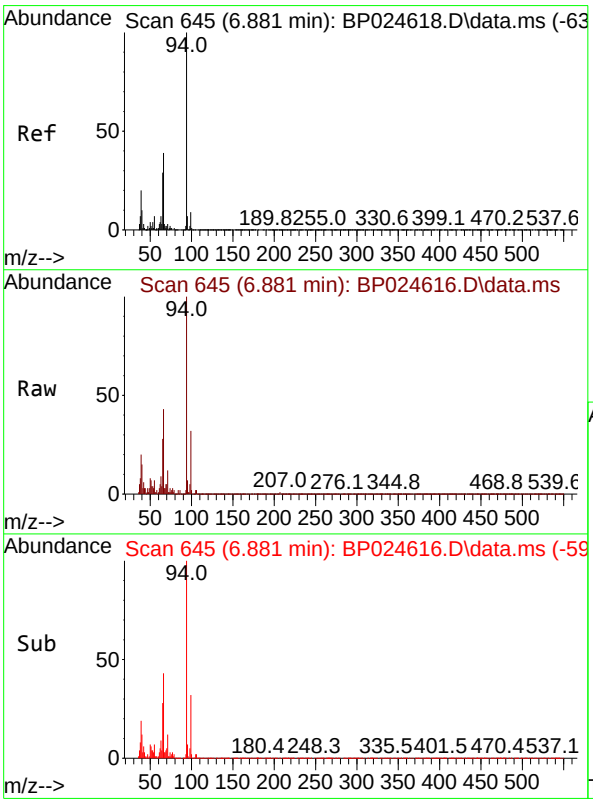

#9
Benzaldehyde
Concen: 10.679 ng
RT: 6.822 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion: 77 Resp: 48904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 106.2 | 83.3 | 123.3 |
| 106 | 100.5 | 78.0 | 118.0 |

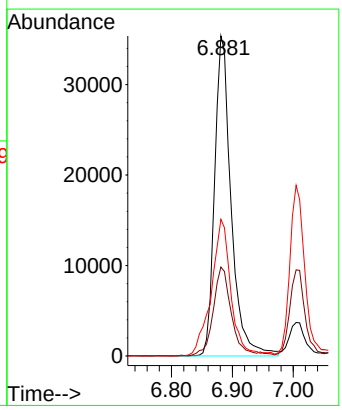


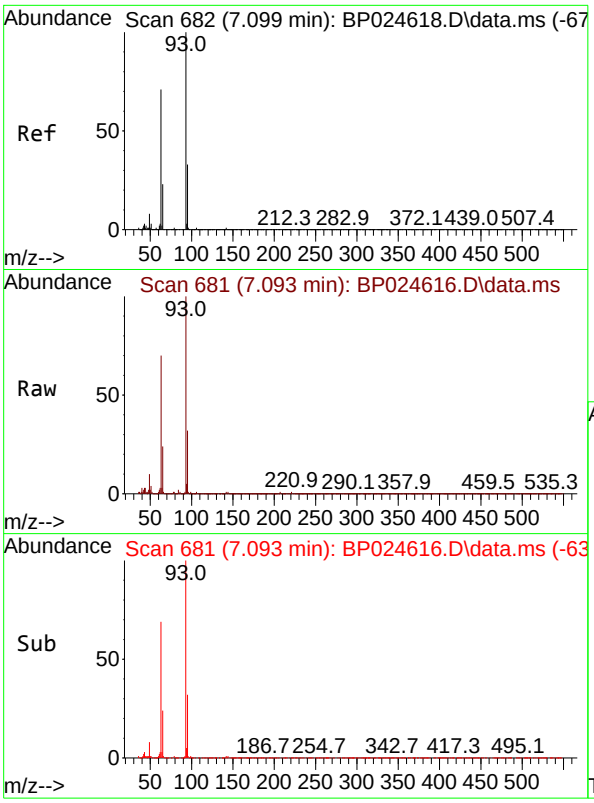




#10
Phenol
Concen: 9.094 ng
RT: 6.881 min Scan# 645
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 94 Resp: 66520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 27.8 | 8.7 | 48.7 |
| 66 | 42.7 | 19.4 | 59.4 |



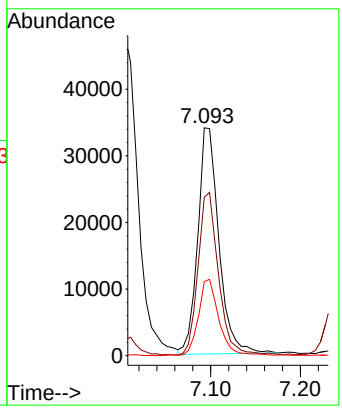


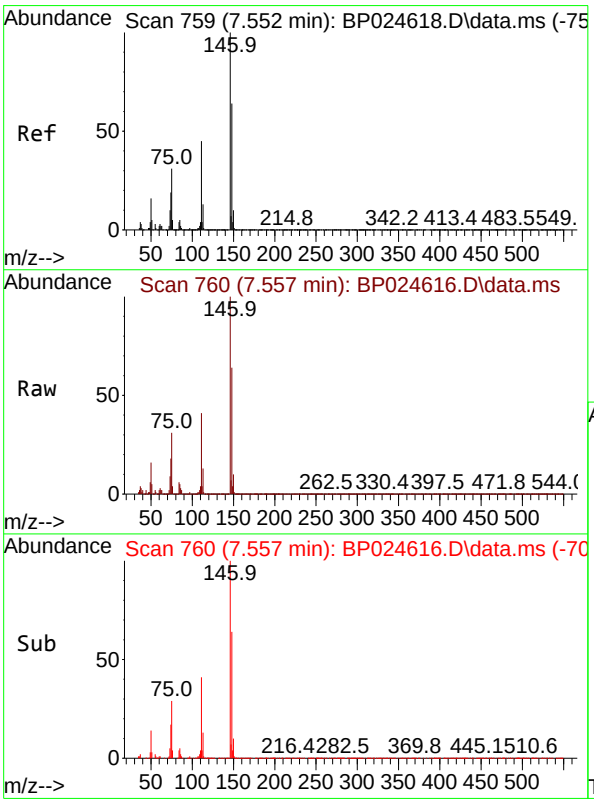

#11
bis(2-Chloroethyl)ether
Concen: 9.247 ng
RT: 7.093 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion: 93 Resp: 55575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 69.5 | 50.6 | 90.6 |
| 95 | 32.4 | 12.9 | 52.9 |

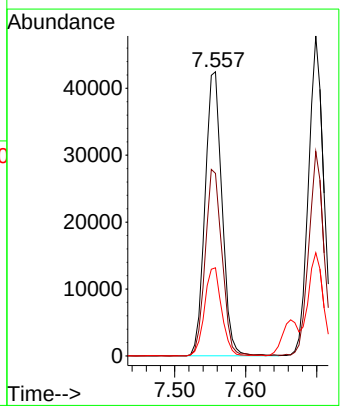


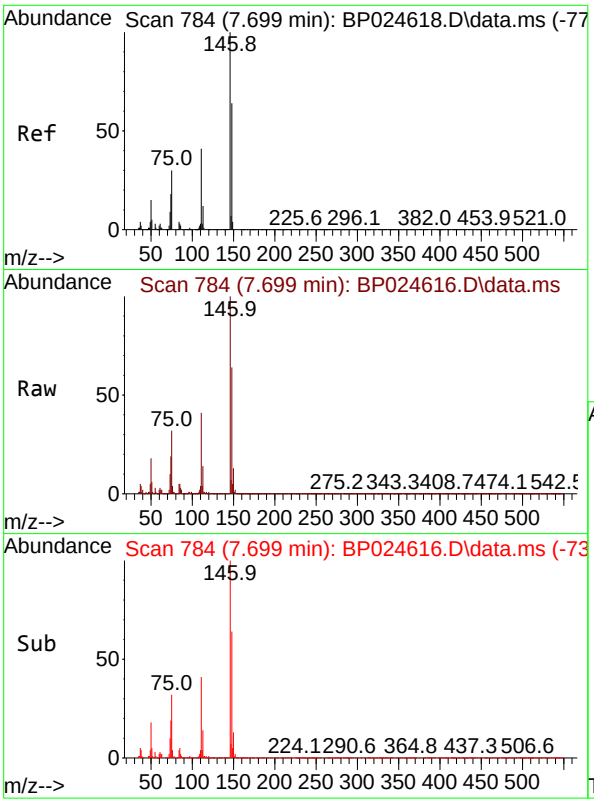




#12
1,3-Dichlorobenzene
Concen: 9.734 ng
RT: 7.557 min Scan# 760
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:146 Resp: 70590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.4 | 77.2 |
| 75 | 31.1 | 25.2 | 37.8 |



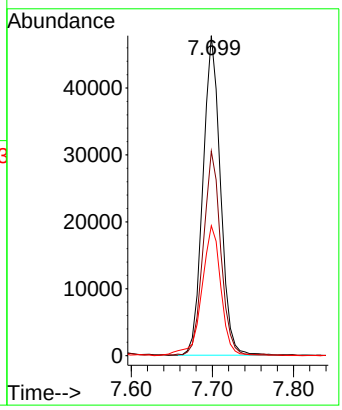


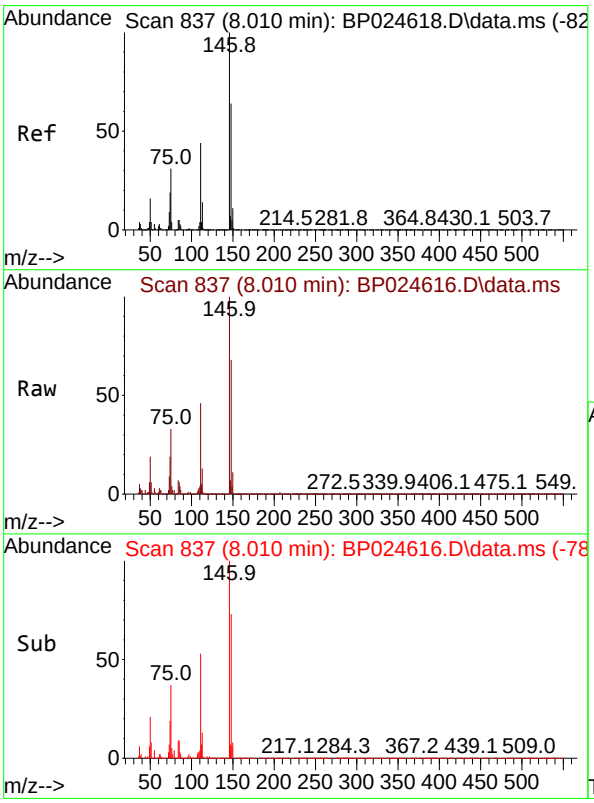

#13
1,4-Dichlorobenzene
Concen: 9.798 ng
RT: 7.699 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:146 Resp: 71467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 51.0 | 76.6 |
| 111 | 40.6 | 33.0 | 49.6 |

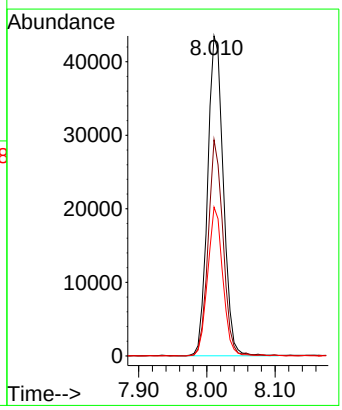


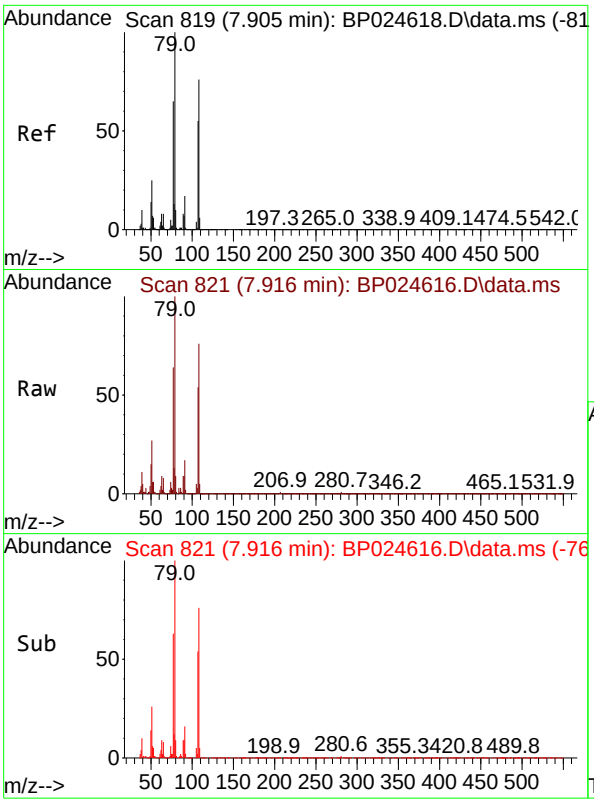




#14
1,2-Dichlorobenzene
Concen: 9.799 ng
RT: 8.010 min Scan# 837
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:146 Resp: 69643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 67.5 | 51.0 | 76.4 |
| 111 | 46.5 | 35.2 | 52.8 |



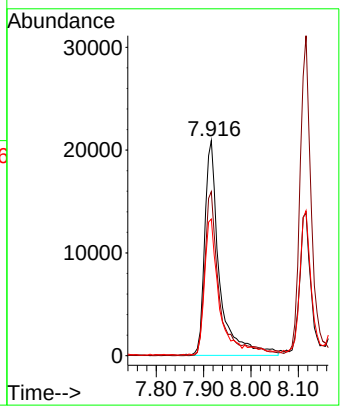


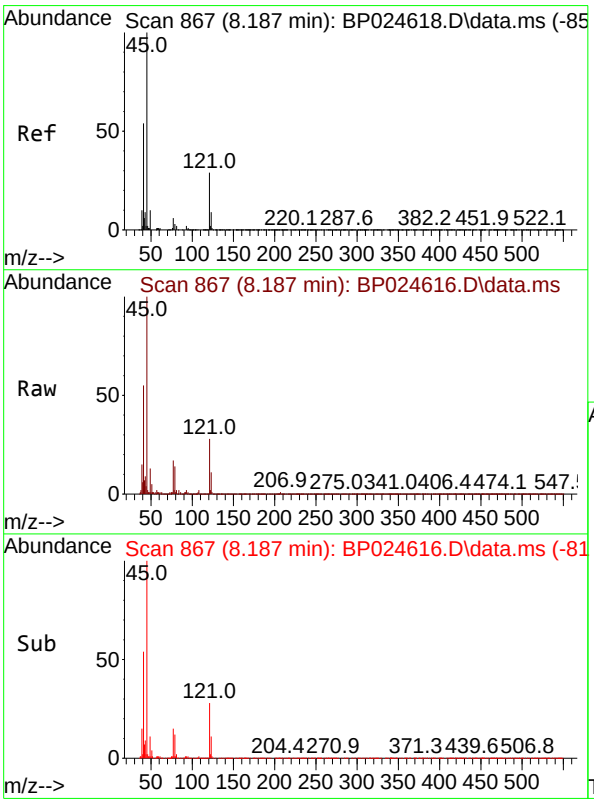

#15
Benzyl Alcohol
Concen: 8.373 ng
RT: 7.916 min Scan# 8
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion: 79 Resp: 45094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.3 | 60.8 | 91.2 |
| 77 | 63.5 | 51.9 | 77.9 |

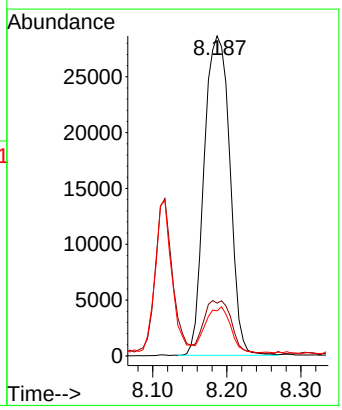


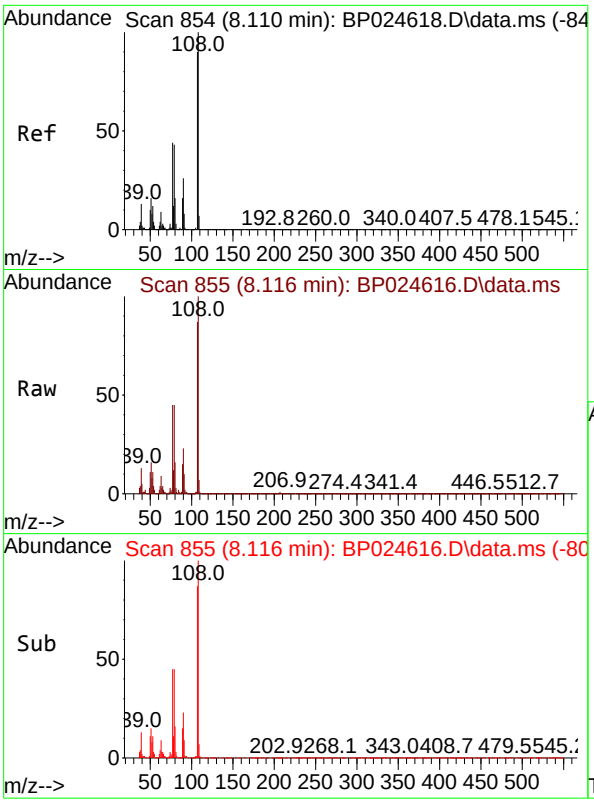




#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.531 ng
RT: 8.187 min Scan# 867
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 45 Resp: 68599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 16.5 | 0.0 | 37.7 |
| 79 | 14.1 | 0.0 | 34.0 |



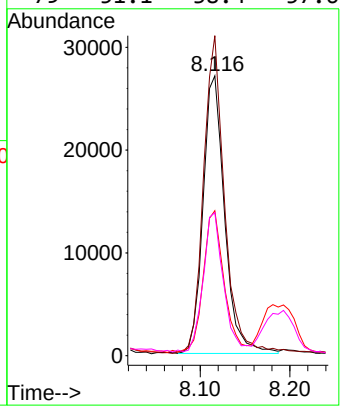


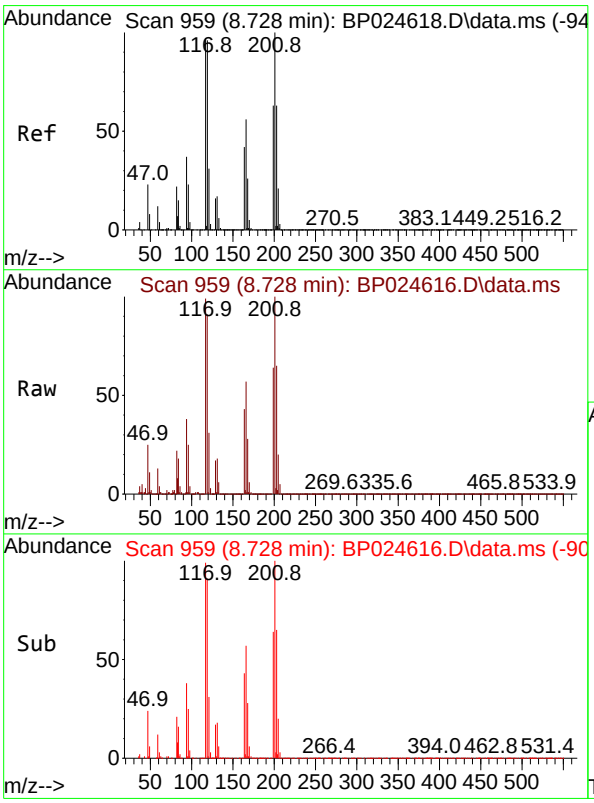

#17
2-Methylphenol
Concen: 8.591 ng
RT: 8.116 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:107 Resp: 45071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.4 | 88.9 | 133.3 |
| 77 | 51.8 | 39.0 | 58.6 |
| 79 | 51.1 | 38.4 | 57.6 |

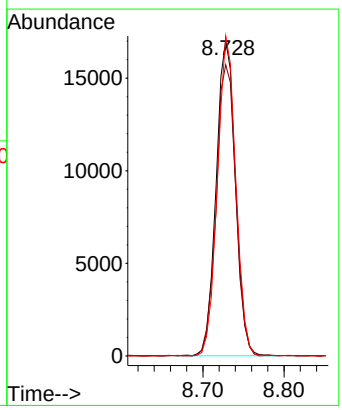


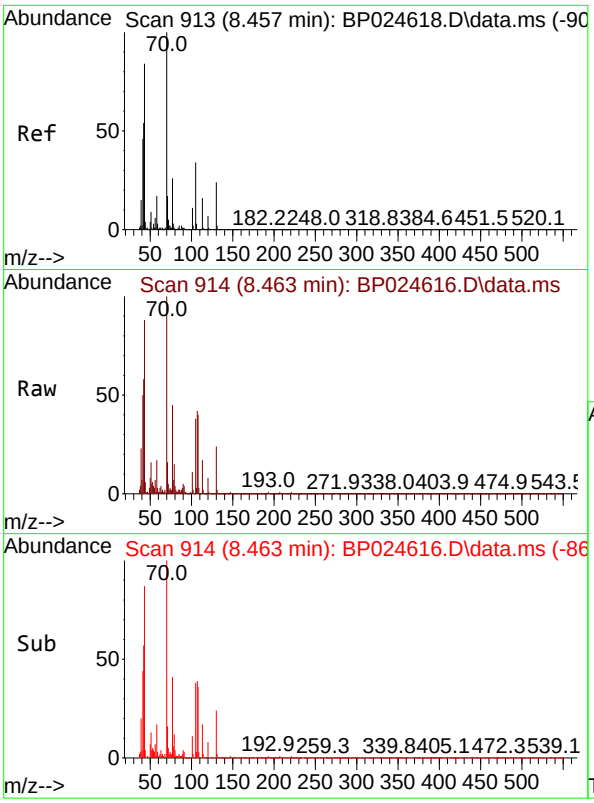




#18
Hexachloroethane
Concen: 10.045 ng
RT: 8.728 min Scan# 959
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:117 Resp: 28078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 92.3 | 79.4 | 119.0 |
| 201 | 101.4 | 82.7 | 124.1 |



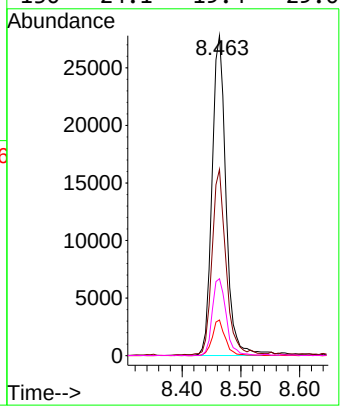


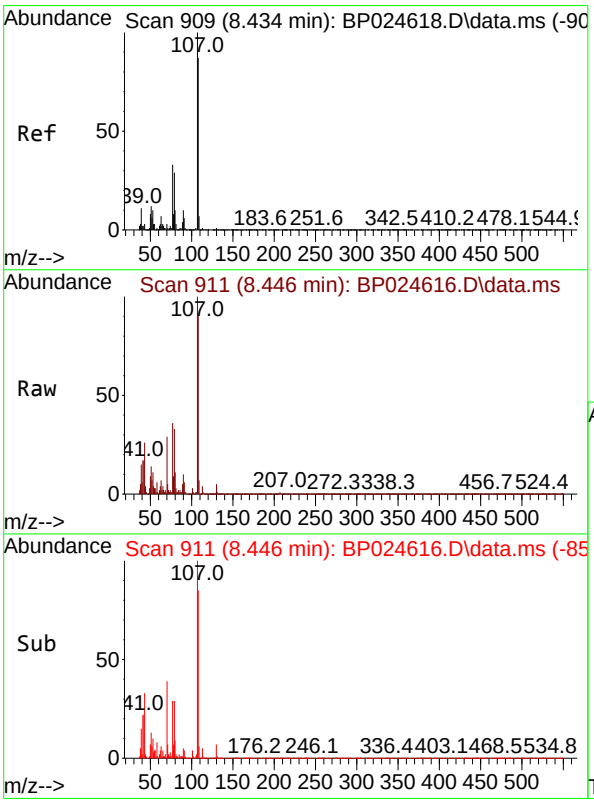

#19
n-Nitroso-di-n-propylamine
Concen: 9.369 ng
RT: 8.463 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion: 70 Resp: 45927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 58.2 | 43.0 | 64.6 |
| 101 | 11.2 | 8.7 | 13.1 |
| 130 | 24.1 | 19.4 | 29.0 |

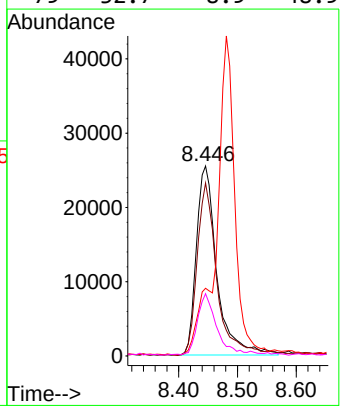


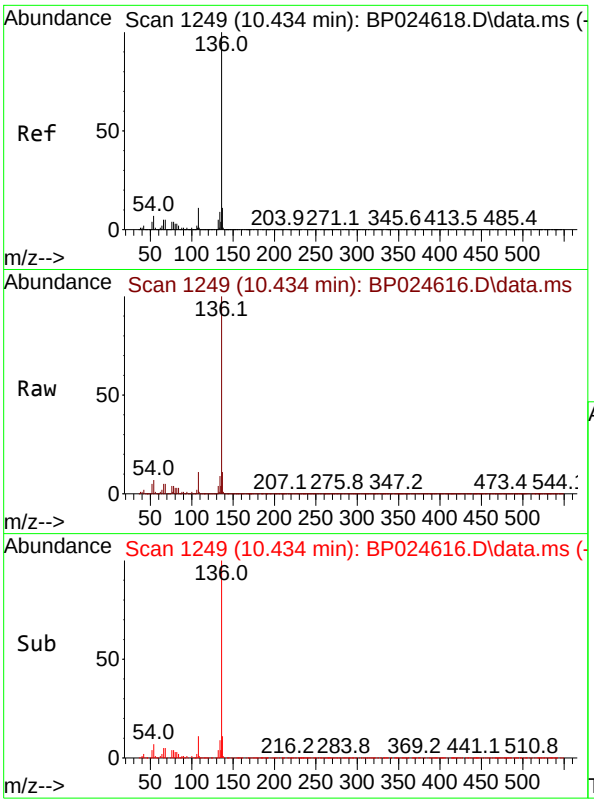




#20
3+4-Methylphenols
Concen: 8.665 ng
RT: 8.446 min Scan# 911
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:107 Resp: 61832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.0 | 66.7 | 106.7 |
| 77 | 35.6 | 13.1 | 53.1 |
| 79 | 32.7 | 8.9 | 48.9 |



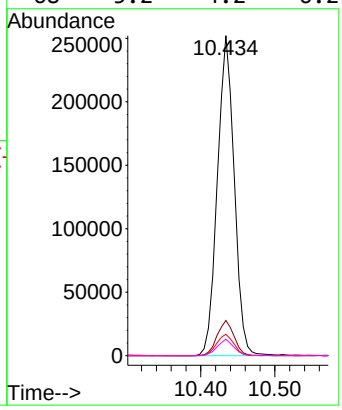


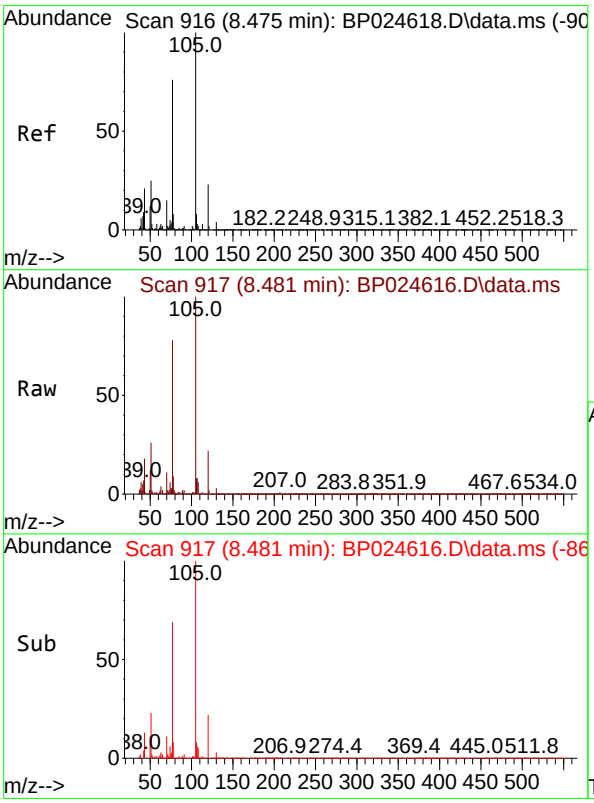

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:136 Resp: 398657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.8 | 13.2 |
| 54 | 6.7 | 5.5 | 8.3 |
| 68 | 5.2 | 4.2 | 6.2 |

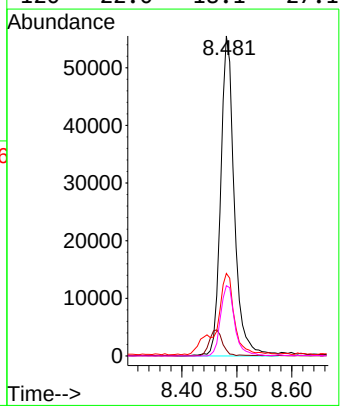


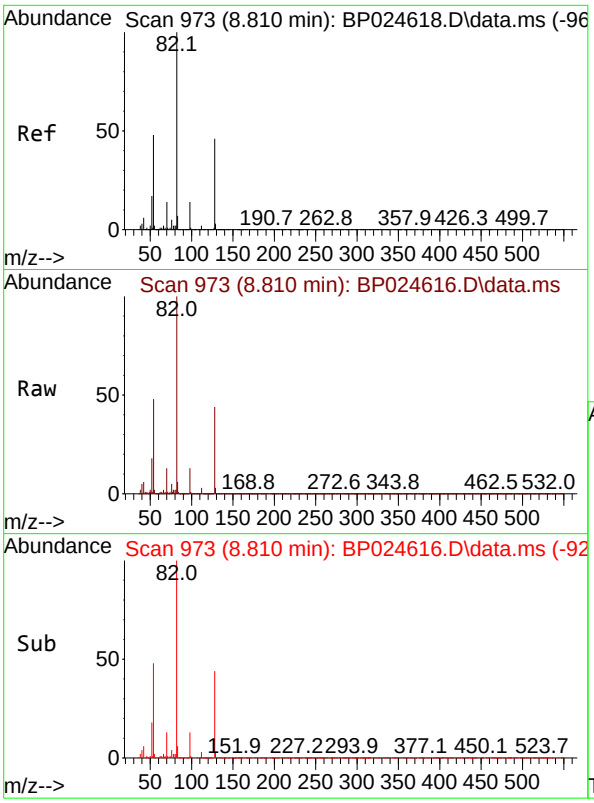




#22
Acetophenone
Concen: 9.620 ng
RT: 8.481 min Scan# 917
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:105 Resp: 95803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 1.9 | 2.0 | 3.0# |
| 51 | 25.8 | 20.4 | 30.6 |
| 120 | 22.0 | 18.1 | 27.1 |



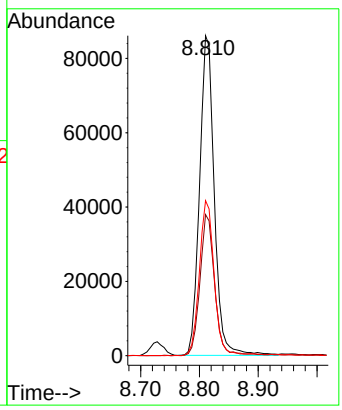


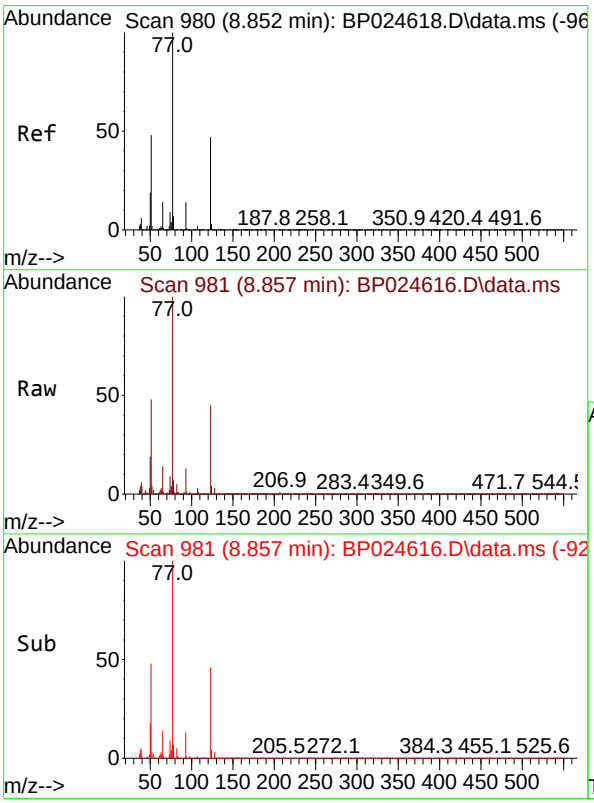

#23
Nitrobenzene-d5
Concen: 18.996 ng
RT: 8.810 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion: 82 Resp: 149876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.1 | 37.0 | 55.4 |
| 54 | 48.5 | 38.7 | 58.1 |

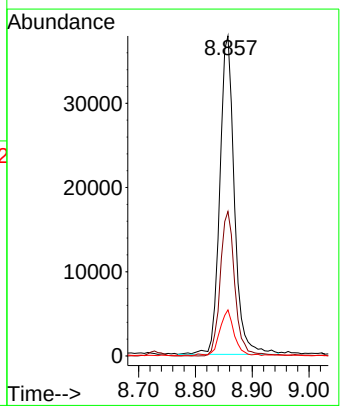


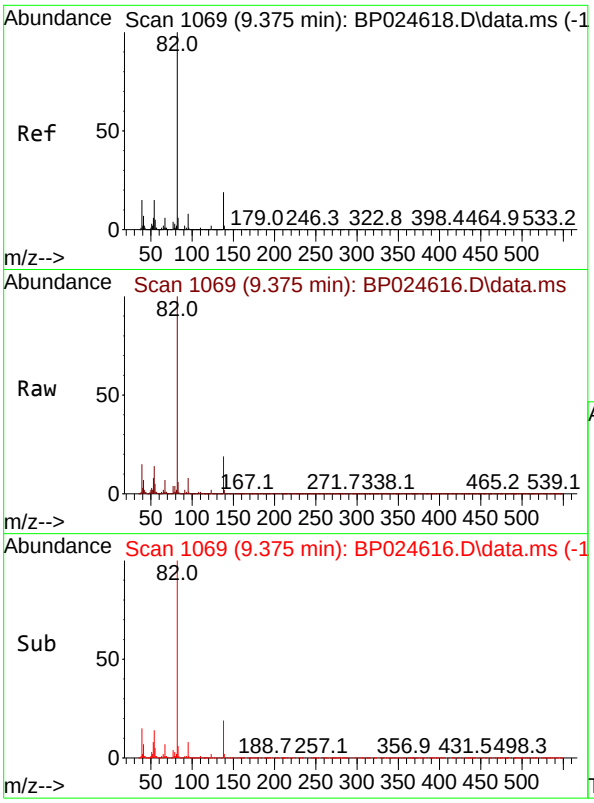




#24
Nitrobenzene
Concen: 9.755 ng
RT: 8.857 min Scan# 981
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 77 Resp: 67735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 45.2 | 37.4 | 56.0 |
| 65 | 14.4 | 11.3 | 16.9 |



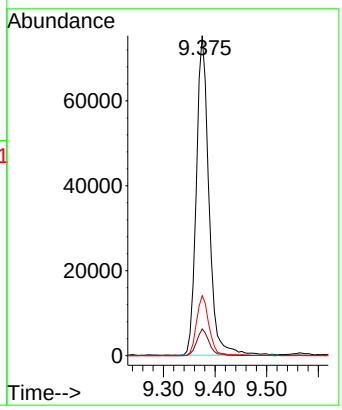


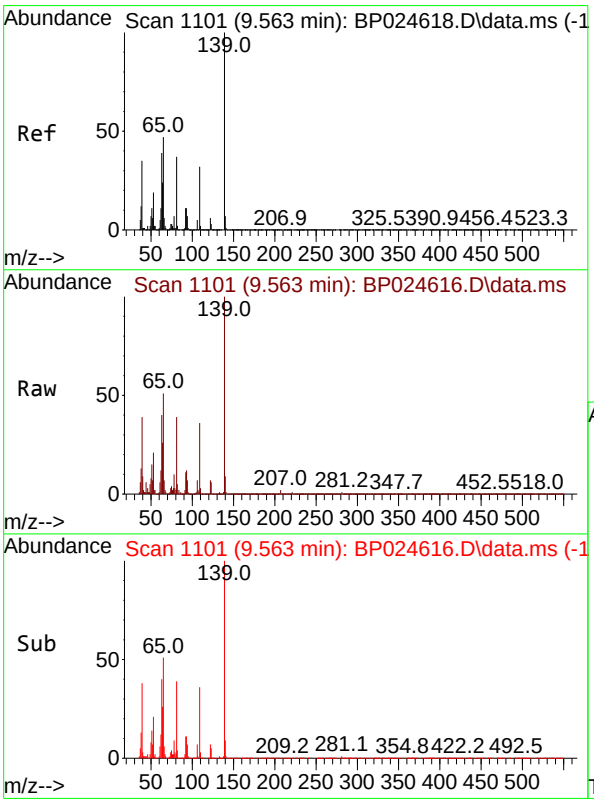

#25
Isophorone
Concen: 9.314 ng
RT: 9.375 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion: 82 Resp: 127474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.4 | 6.3 | 9.5 |
| 138 | 18.7 | 15.3 | 22.9 |

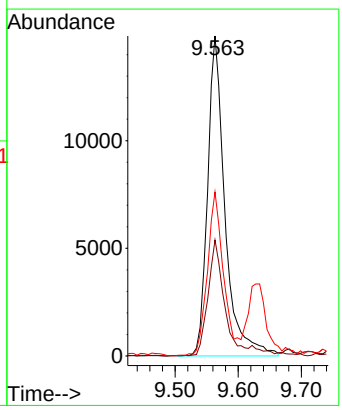


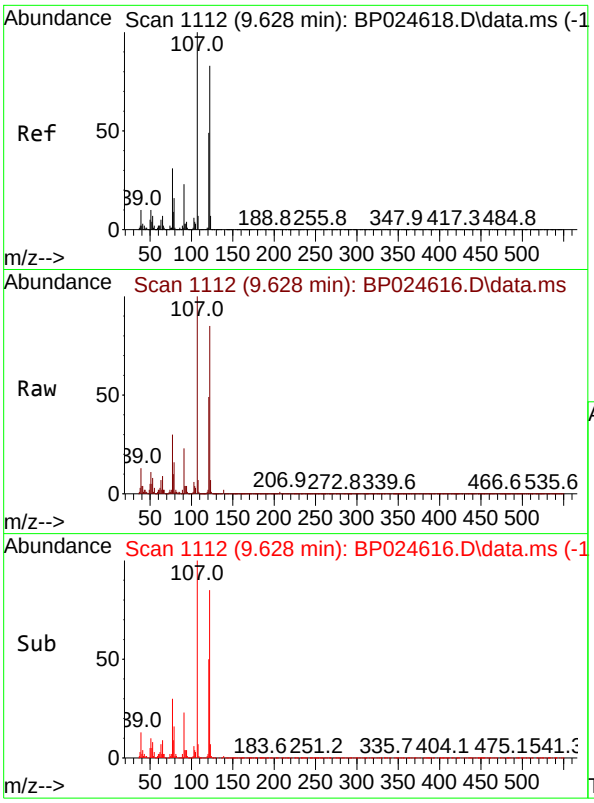




#26
2-Nitrophenol
Concen: 8.368 ng
RT: 9.563 min Scan# 1101
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:139 Resp: 28470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 36.2 | 25.9 | 38.9 |
| 65 | 51.3 | 37.9 | 56.9 |



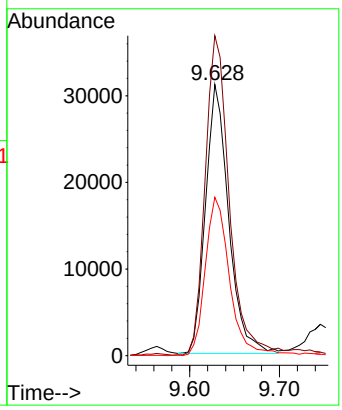


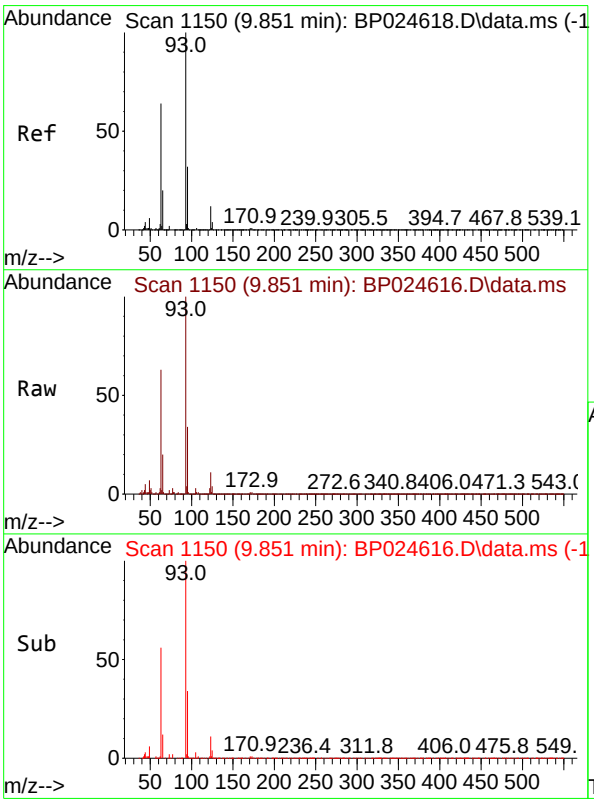

#27
2,4-Dimethylphenol
Concen: 9.279 ng
RT: 9.628 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:122 Resp: 55664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 118.0 | 96.2 | 144.2 |
| 121 | 58.4 | 47.6 | 71.4 |

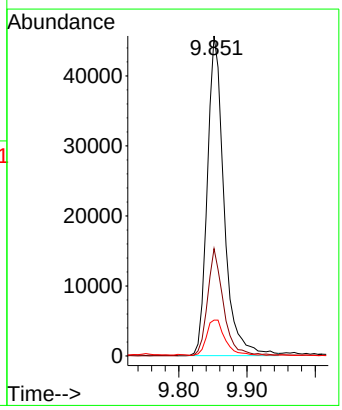


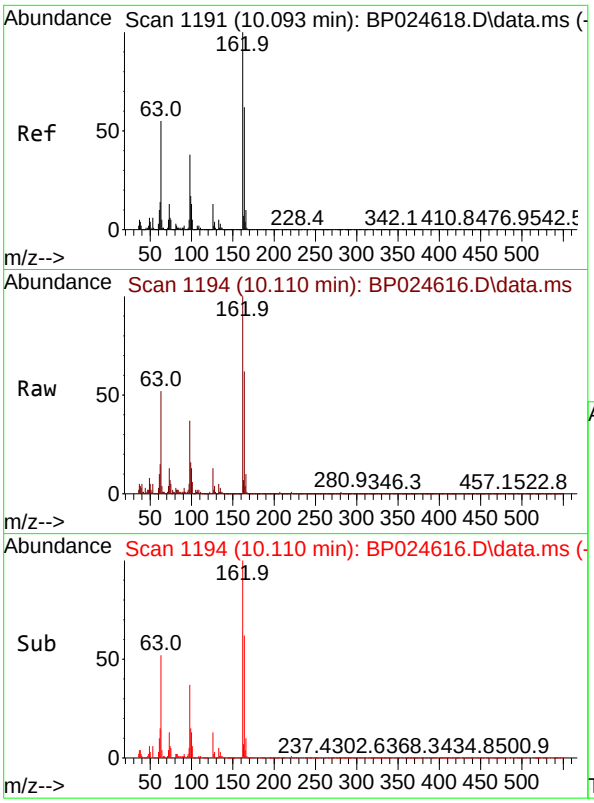




#28
bis(2-Chloroethoxy)methane
Concen: 9.542 ng
RT: 9.851 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 93 Resp: 78019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.5 | 25.5 | 38.3 |
| 123 | 11.2 | 9.7 | 14.5 |



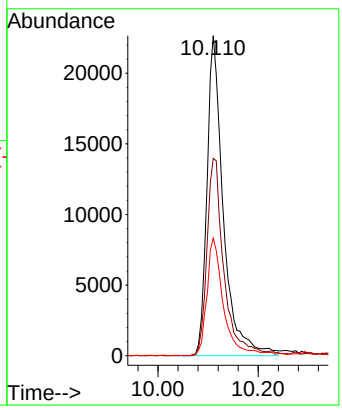


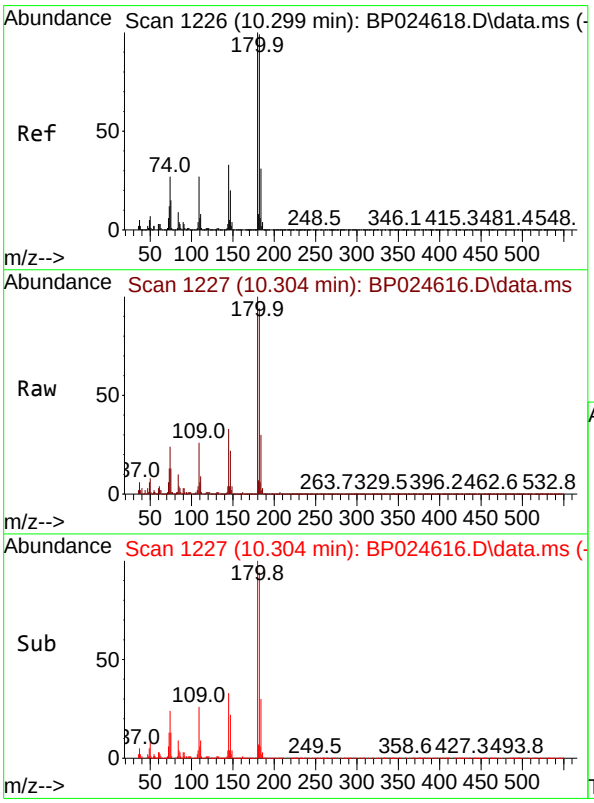

#29
2,4-Dichlorophenol
Concen: 8.840 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.018 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:162 Resp: 51386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 61.7 | 42.3 | 82.3 |
| 98 | 36.7 | 18.4 | 58.4 |

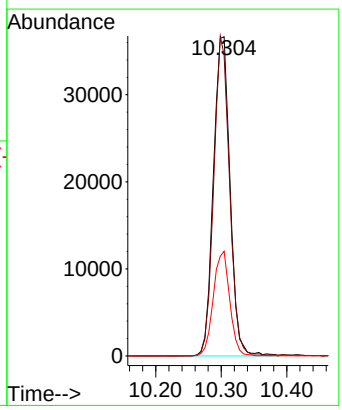


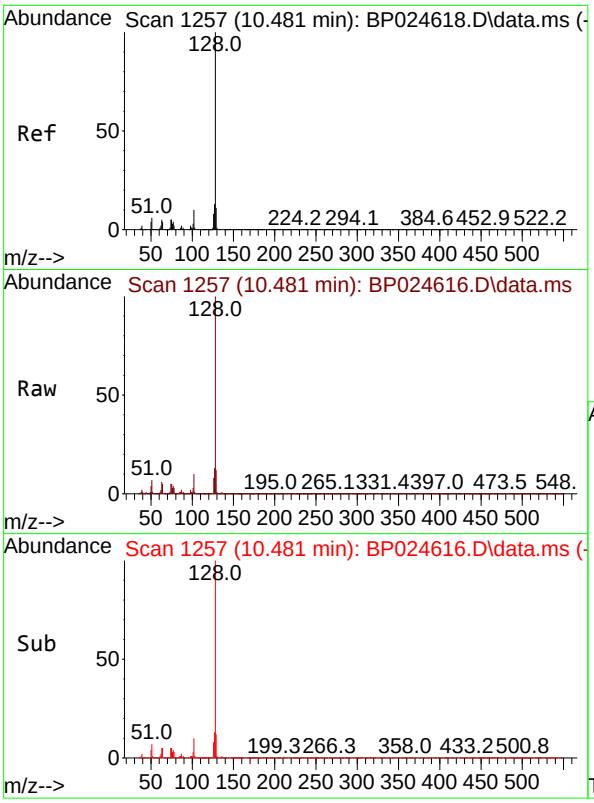




#30
1,2,4-Trichlorobenzene
Concen: 9.807 ng
RT: 10.304 min Scan# 1227
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:180 Resp: 64245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.1 | 79.0 | 118.4 |
| 145 | 32.8 | 26.6 | 39.8 |



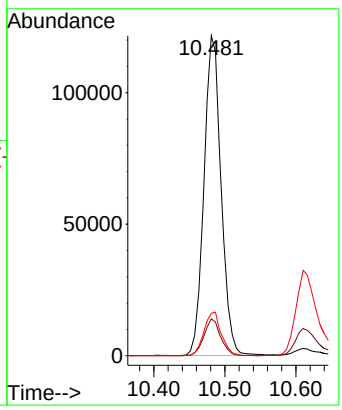


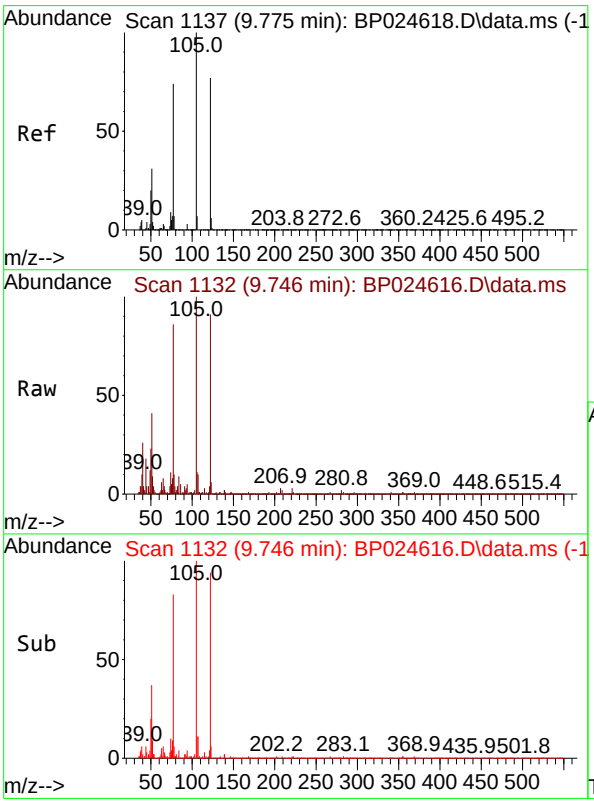

#31
Naphthalene
Concen: 9.897 ng
RT: 10.481 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:128 Resp: 204468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.5 | 8.8 | 13.2 |
| 127 | 13.2 | 10.7 | 16.1 |

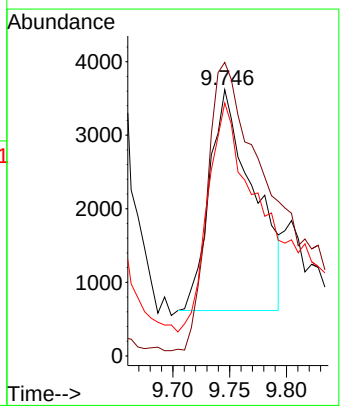


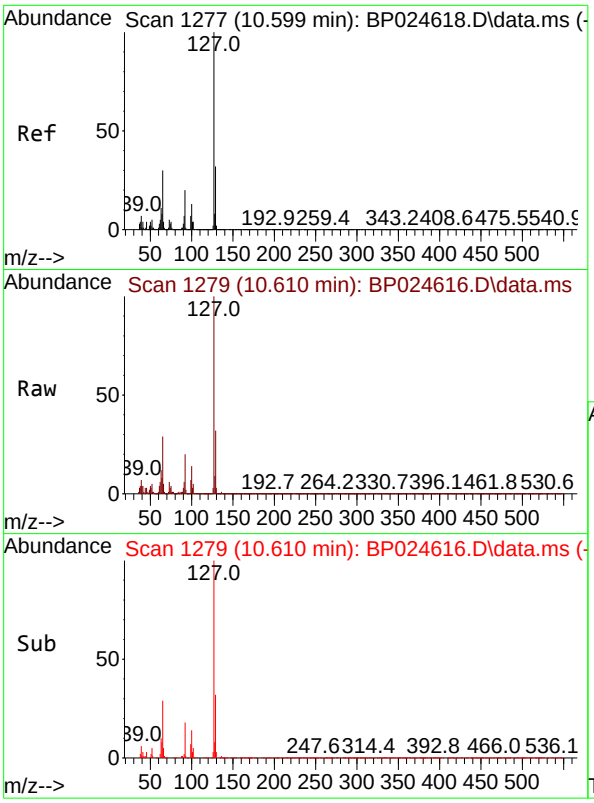




#32
Benzoic acid
Concen: 8.435 ng
RT: 9.746 min Scan# 1132
Delta R.T. -0.029 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:122 Resp: 8077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 110.3 | 106.9 | 146.9 |
| 77 | 95.0 | 75.1 | 115.1 |



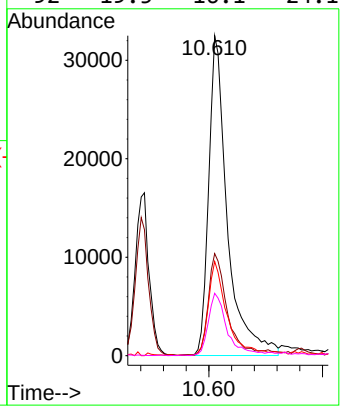


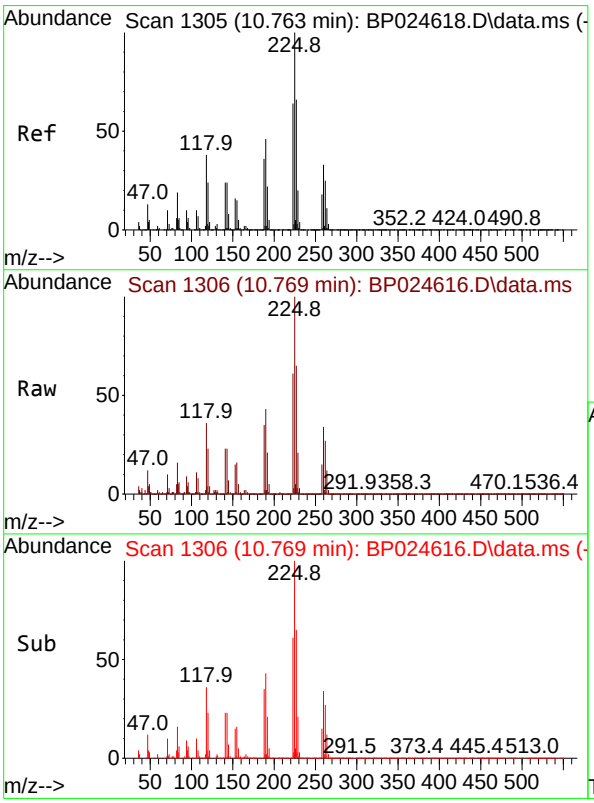

#33
4-Chloroaniline
Concen: 8.876 ng
RT: 10.610 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:127 Resp: 73990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.9 | 25.8 | 38.6 |
| 65 | 29.5 | 23.9 | 35.9 |
| 92 | 19.5 | 16.1 | 24.1 |

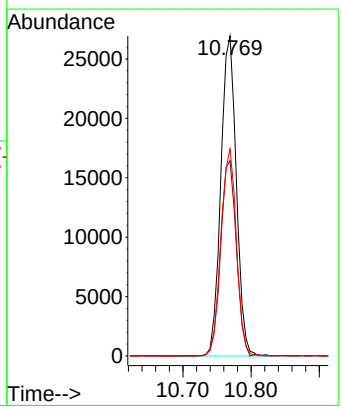


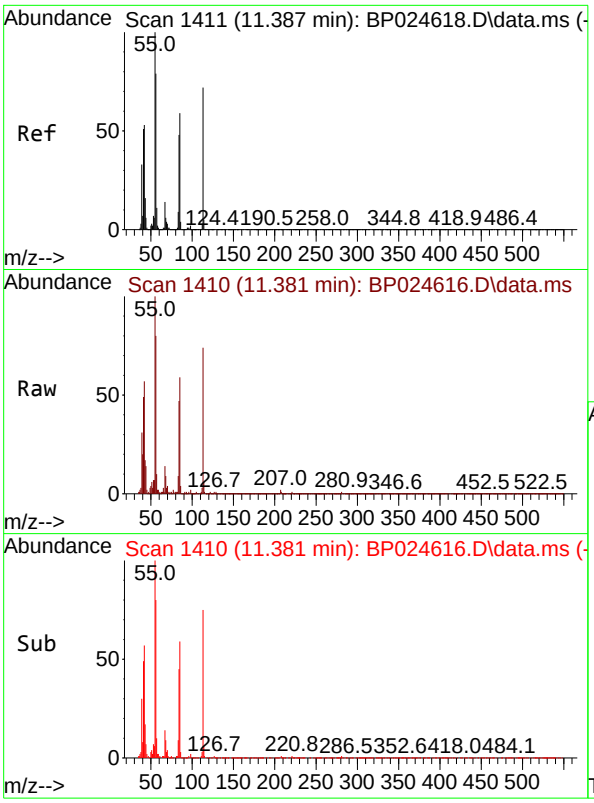




#34
Hexachlorobutadiene
Concen: 10.031 ng
RT: 10.769 min Scan# 1306
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:225 Resp: 42567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.0 | 51.0 | 76.6 |
| 227 | 64.7 | 53.1 | 79.7 |



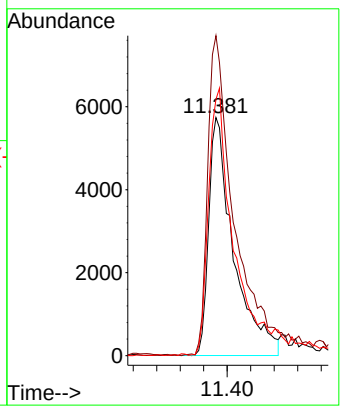


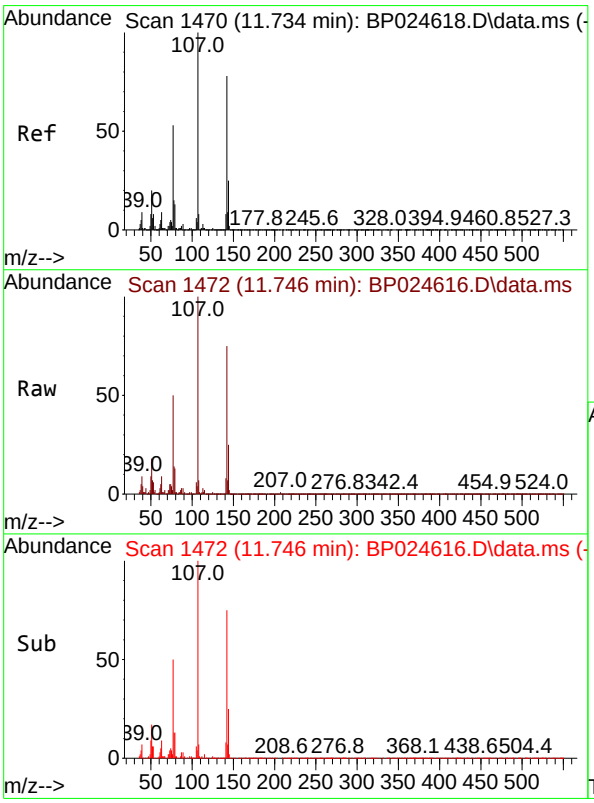

#35
Caprolactam
Concen: 8.019 ng
RT: 11.381 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:113 Resp: 16855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 134.4 | 119.0 | 159.0 |
| 56 | 107.7 | 90.3 | 130.3 |

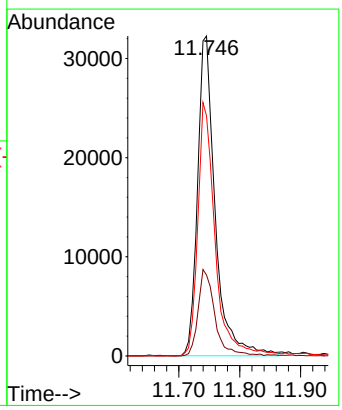


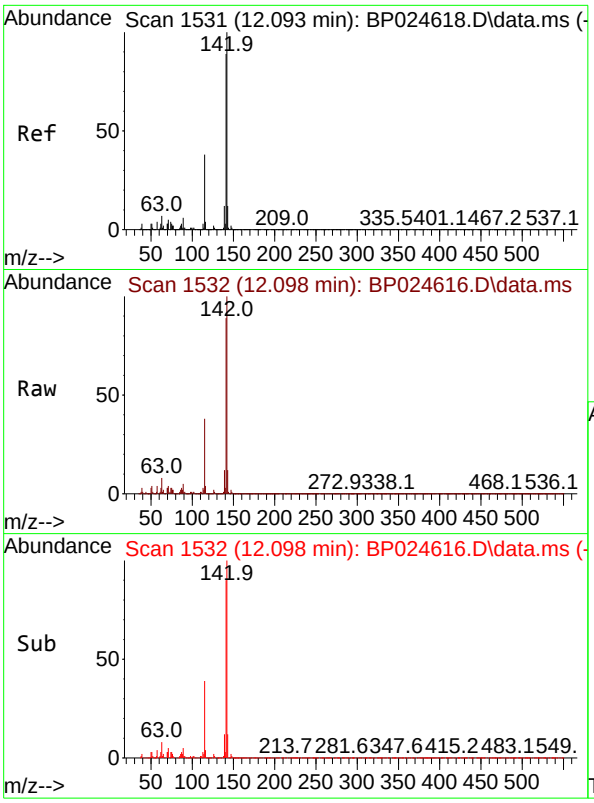




#36
4-Chloro-3-methylphenol
Concen: 9.149 ng
RT: 11.746 min Scan# 1472
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:107 Resp: 64857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.3 | 20.1 | 30.1 |
| 142 | 75.0 | 62.1 | 93.1 |



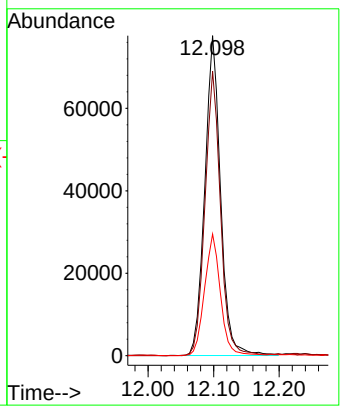


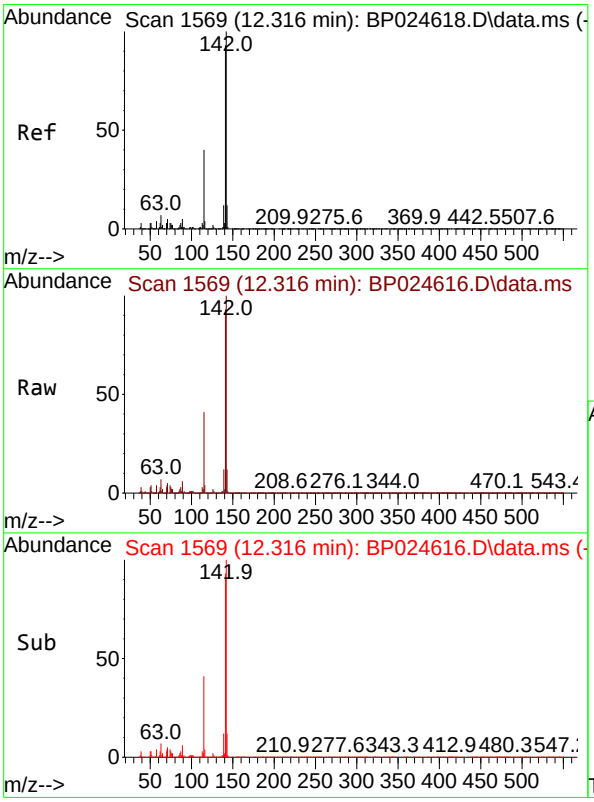

#37
2-Methylnaphthalene
Concen: 9.749 ng
RT: 12.098 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:142 Resp: 130412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.9 | 71.2 | 106.8 |
| 115 | 38.0 | 30.6 | 46.0 |

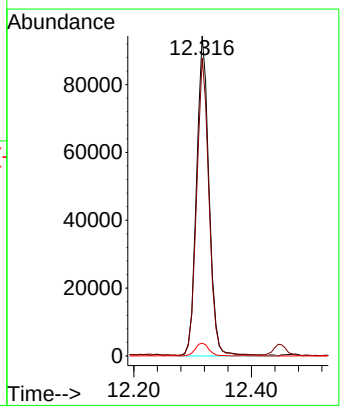


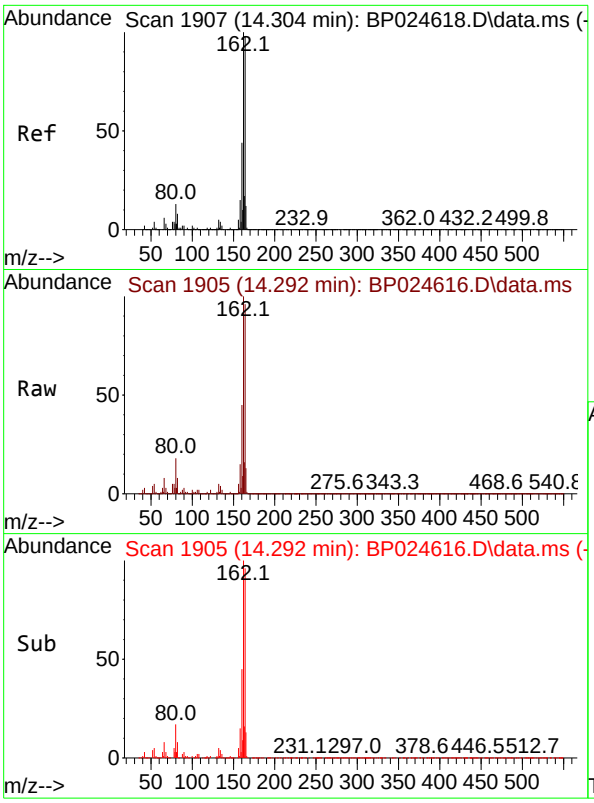




#38
1-Methylnaphthalene
Concen: 9.752 ng
RT: 12.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:142 Resp: 139573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.1 | 74.7 | 112.1 |
| 116 | 4.0 | 3.4 | 5.2 |



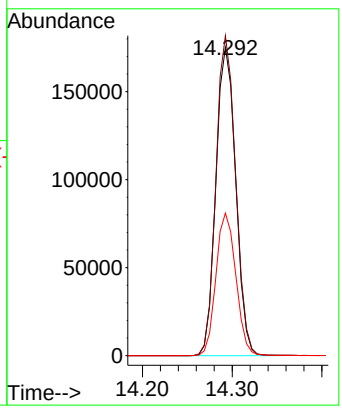


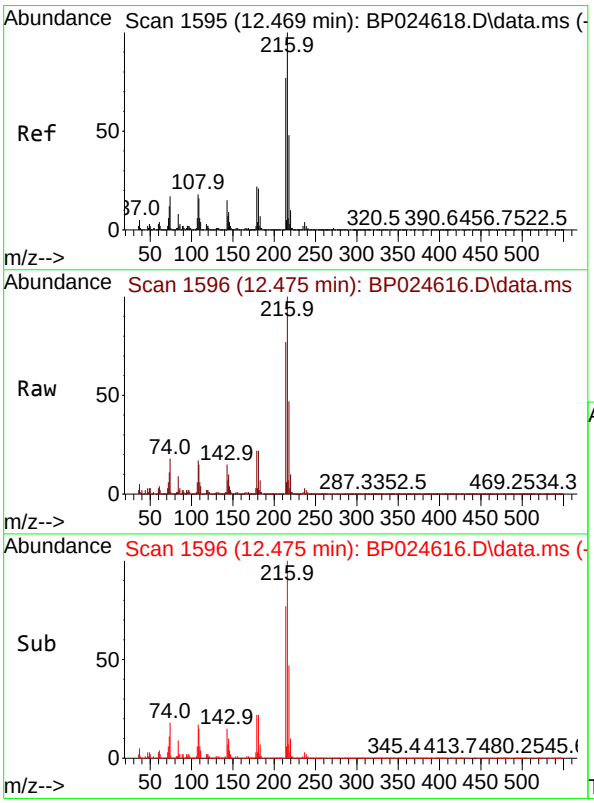

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.292 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:164 Resp: 268335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.8 | 81.8 | 122.6 |
| 160 | 46.2 | 36.3 | 54.5 |

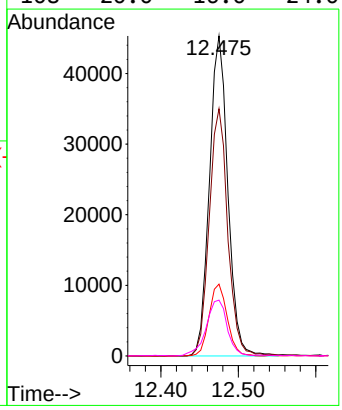


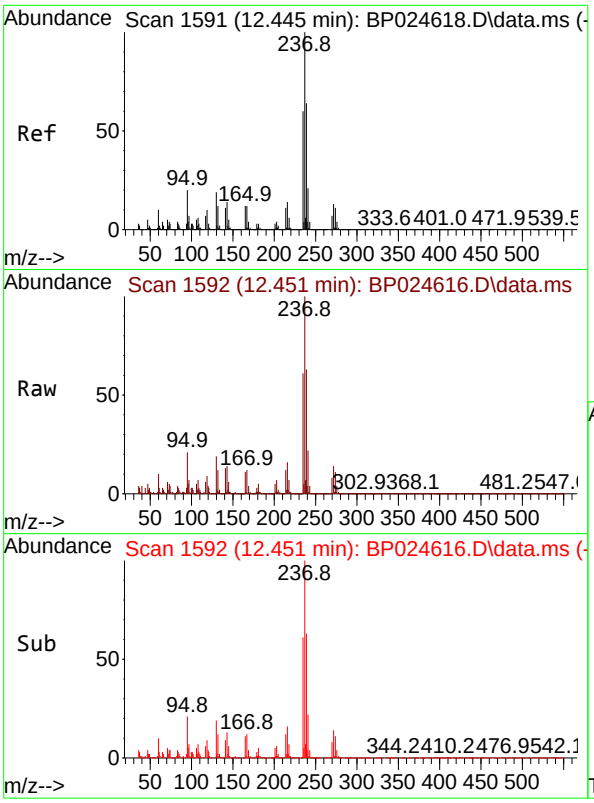




#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.603 ng
RT: 12.475 min Scan# 1596
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:216 Resp: 74824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 77.9 | 62.3 | 93.5 |
| 179 | 22.2 | 17.7 | 26.5 |
| 108 | 20.0 | 16.0 | 24.0 |



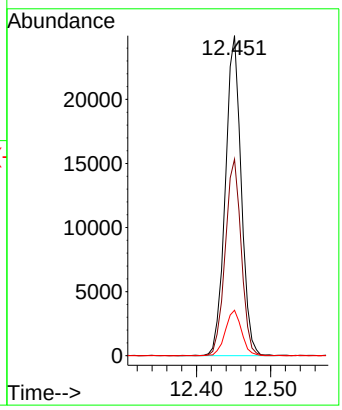


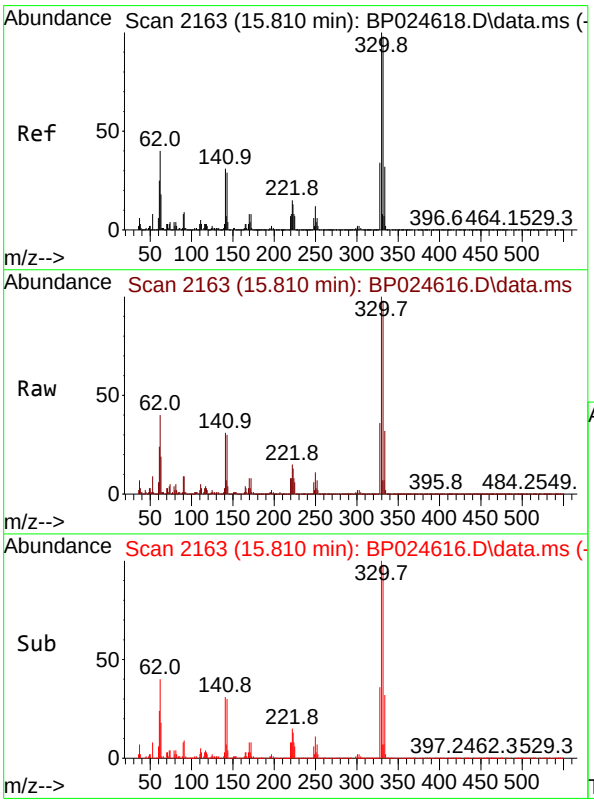

#41
Hexachlorocyclopentadiene
Concen: 7.846 ng
RT: 12.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:237 Resp: 37072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.4 | 39.9 | 79.9 |
| 272 | 14.2 | 0.0 | 33.2 |

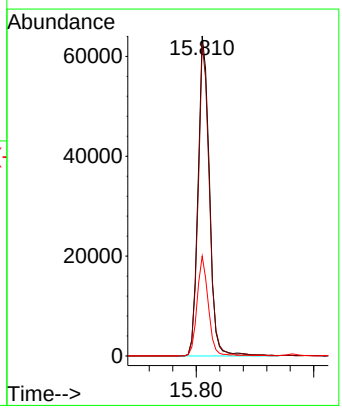


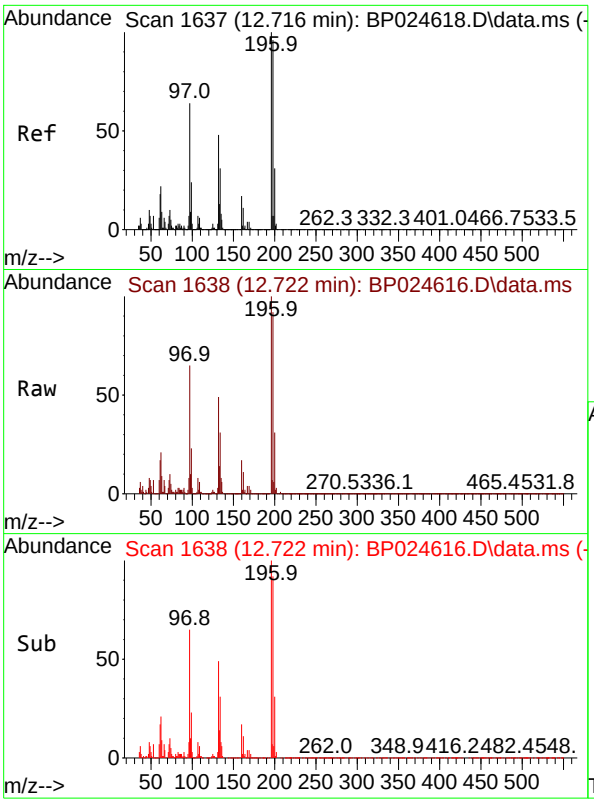




#42
2,4,6-Tribromophenol
Concen: 18.927 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:330 Resp: 86099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.1 | 78.2 | 117.4 |
| 141 | 30.5 | 24.3 | 36.5 |



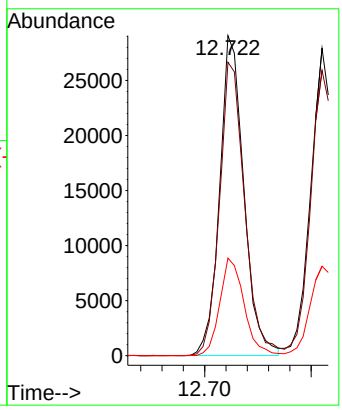


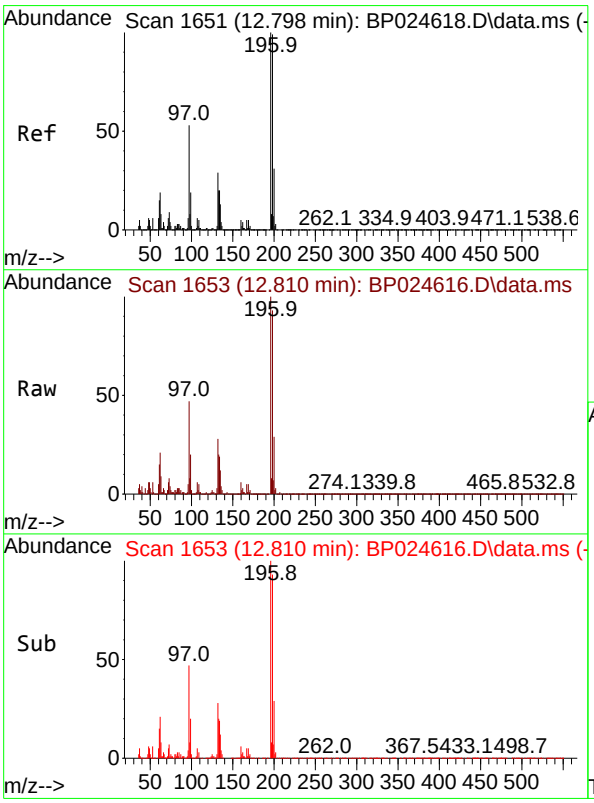

#43
2,4,6-Trichlorophenol
Concen: 9.074 ng
RT: 12.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:196 Resp: 45798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 91.7 | 76.9 | 115.3 |
| 200 | 30.5 | 25.2 | 37.8 |

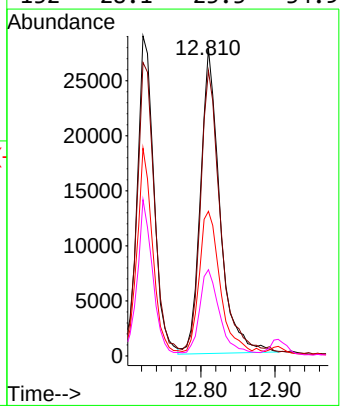


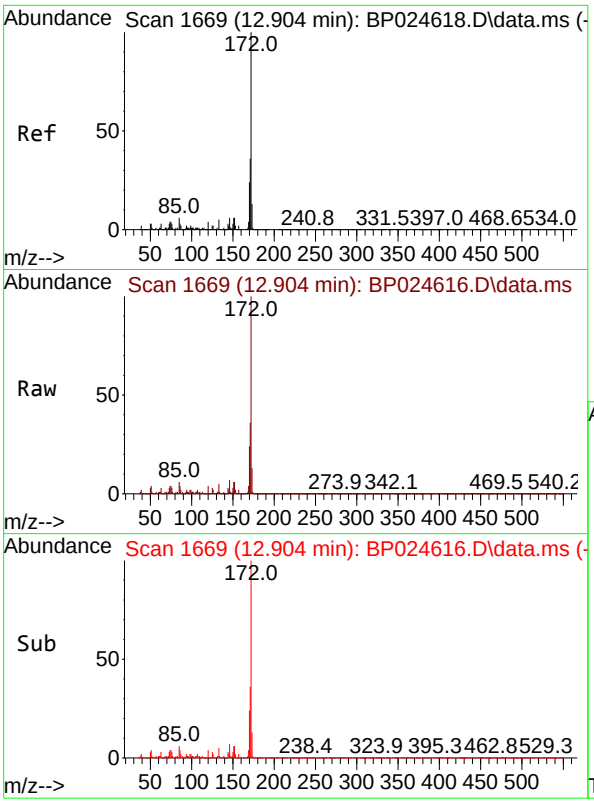




#44
2,4,5-Trichlorophenol
Concen: 8.962 ng
RT: 12.810 min Scan# 1653
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:196 Resp: 50348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 92.8 | 79.2 | 118.8 |
| 97 | 47.0 | 42.3 | 63.5 |
| 132 | 28.1 | 23.3 | 34.9 |



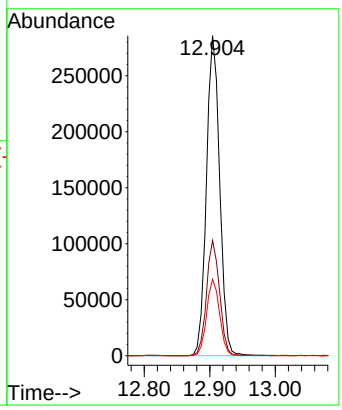


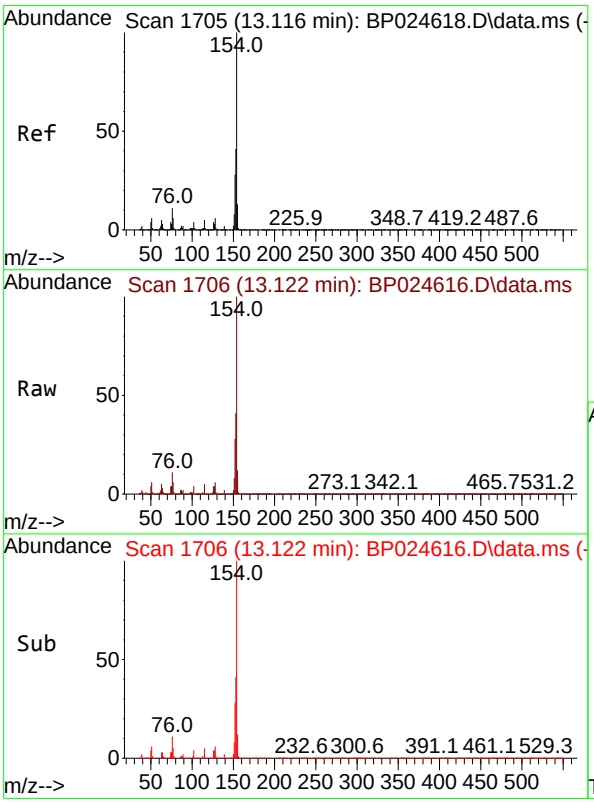

#45
2-Fluorobiphenyl
Concen: 19.627 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:172 Resp: 401986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 28.8 | 43.2 |
| 170 | 23.9 | 18.8 | 28.2 |

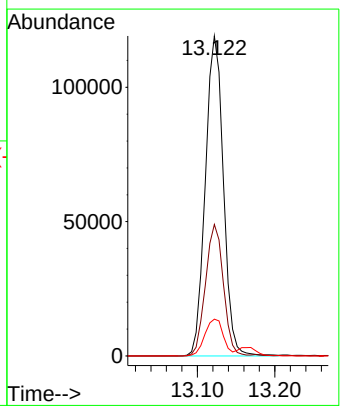


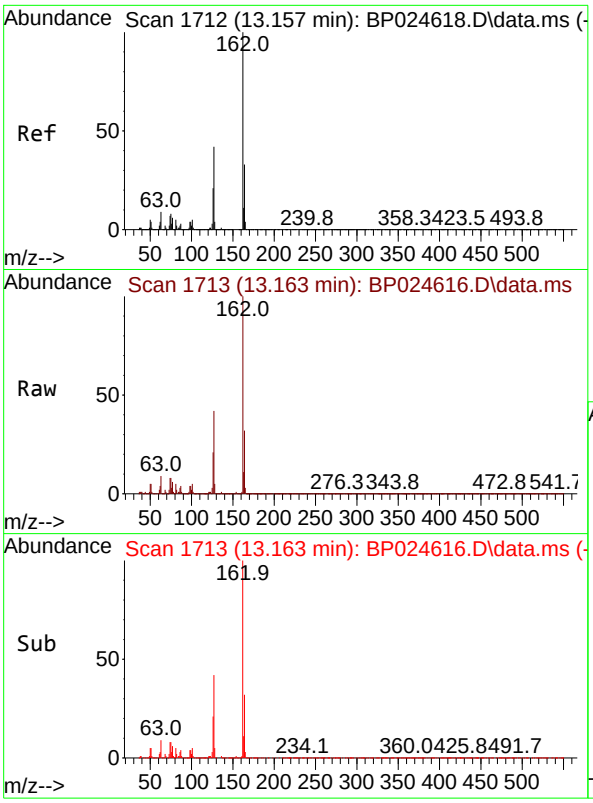




#46
1,1'-Biphenyl
Concen: 9.703 ng
RT: 13.122 min Scan# 1706
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:154 Resp: 192445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.1 | 21.0 | 61.0 |
| 76 | 11.5 | 0.0 | 31.5 |



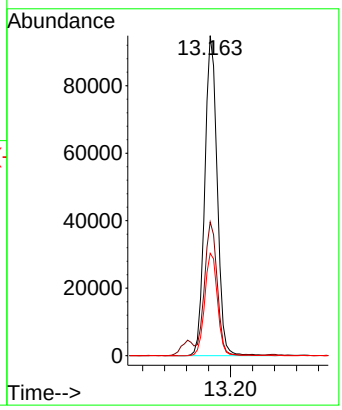


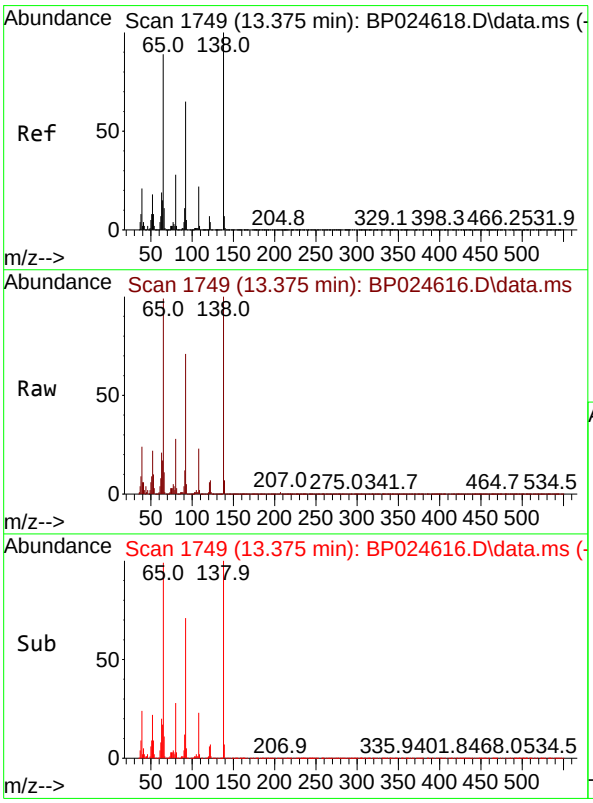

#47
2-Chloronaphthalene
Concen: 9.816 ng
RT: 13.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:162 Resp: 148443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.8 | 33.8 | 50.6 |
| 164 | 32.0 | 26.0 | 39.0 |

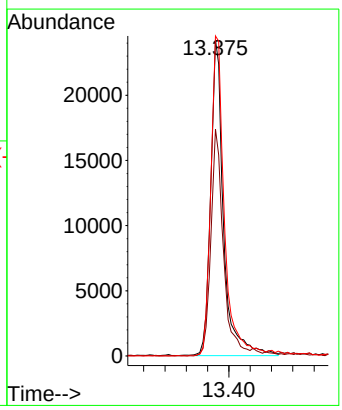


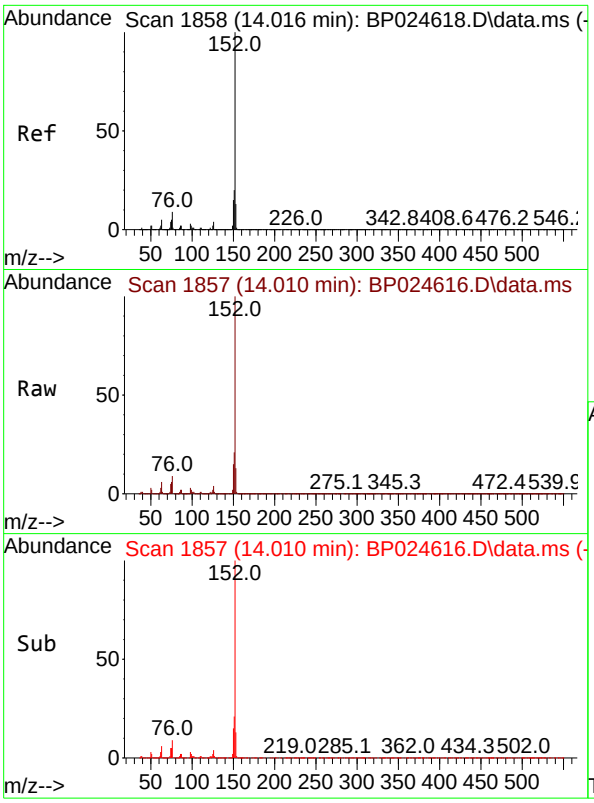




#48
2-Nitroaniline
Concen: 9.110 ng
RT: 13.375 min Scan# 1749
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion: 65 Resp: 40786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 71.8 | 58.7 | 88.1 |
| 138 | 101.2 | 90.2 | 135.2 |



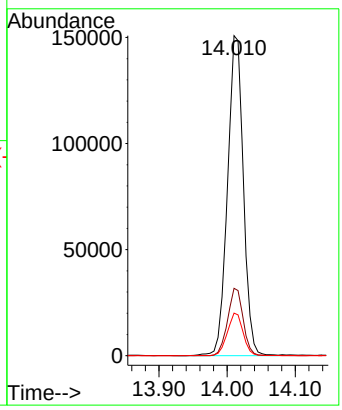


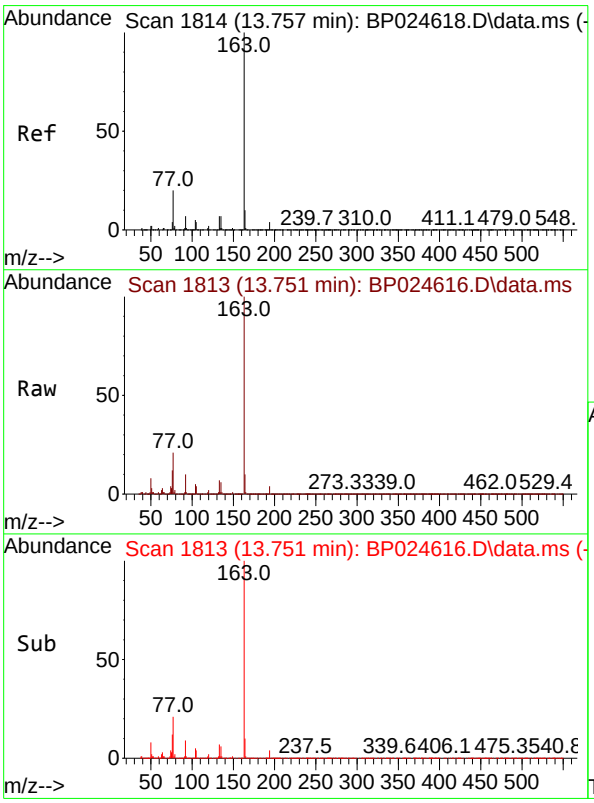

#49
Acenaphthylene
Concen: 9.638 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:152 Resp: 243913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.1 | 16.2 | 24.4 |
| 153 | 13.3 | 10.2 | 15.4 |

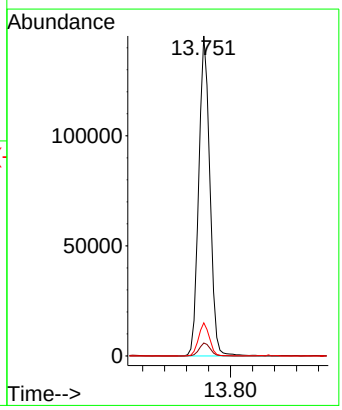


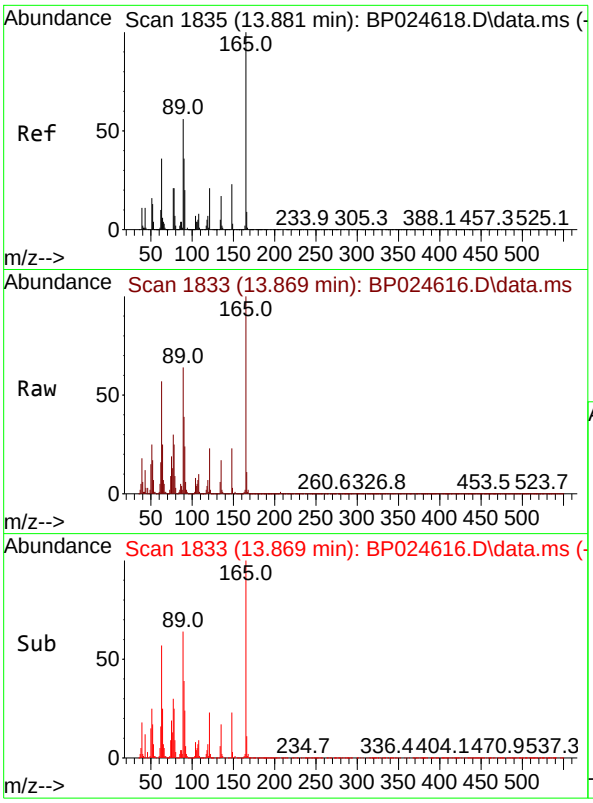




#50
Dimethylphthalate
Concen: 10.015 ng
RT: 13.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:163 Resp: 204825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.4 | 5.0 |
| 164 | 10.3 | 8.1 | 12.1 |



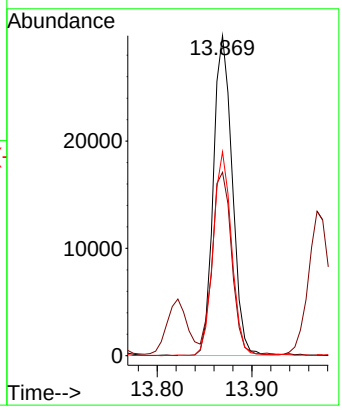


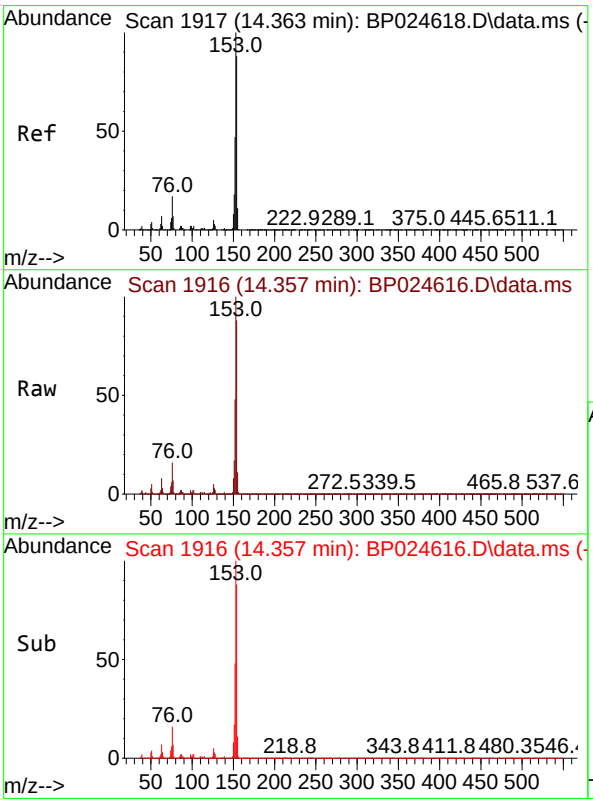

#51
2,6-Dinitrotoluene
Concen: 9.551 ng
RT: 13.869 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:165 Resp: 41257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 57.3 | 42.4 | 63.6 |
| 89 | 63.7 | 44.8 | 67.2 |

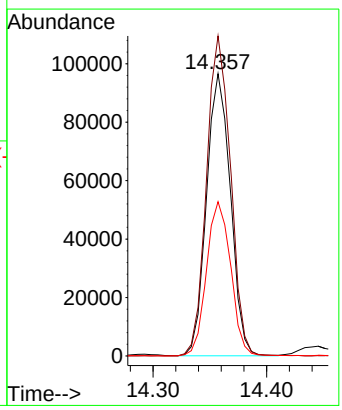


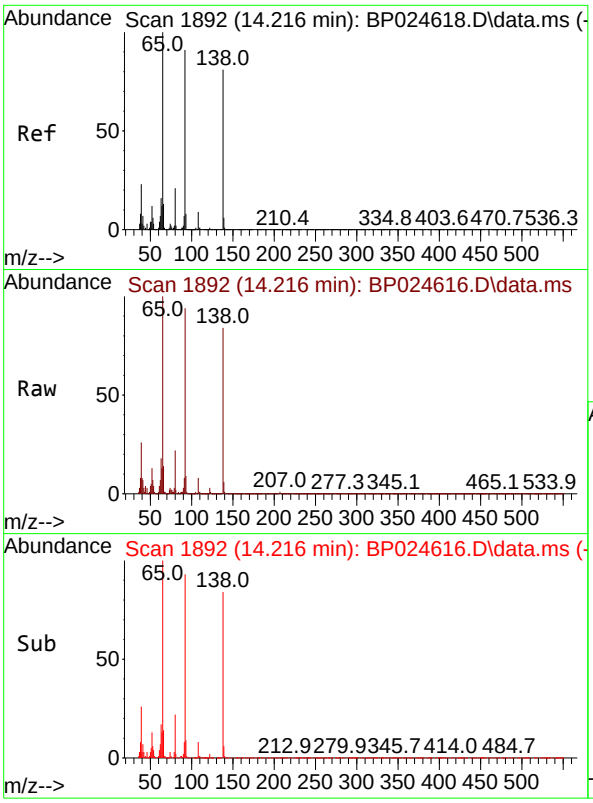




#52
Acenaphthene
Concen: 9.717 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:154 Resp: 141360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.4 | 91.0 | 136.4 |
| 152 | 54.6 | 42.9 | 64.3 |



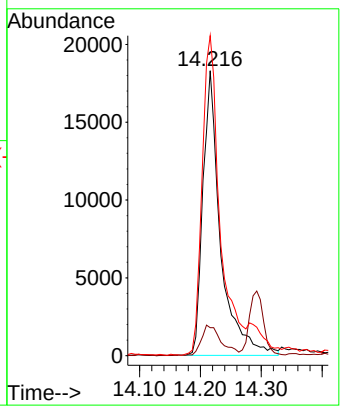


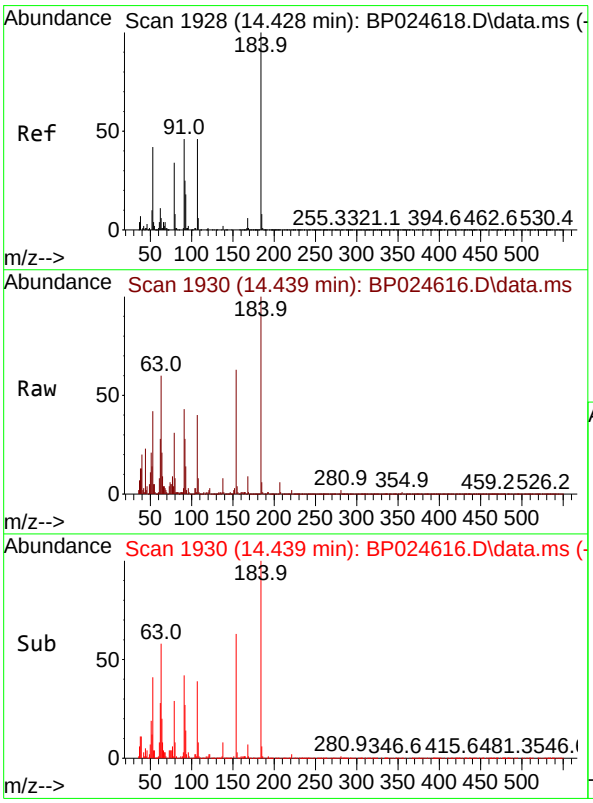

#53
3-Nitroaniline
Concen: 8.368 ng
RT: 14.216 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:138 Resp: 36906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 9.9 | 9.0 | 13.4 |
| 92 | 112.3 | 90.1 | 135.1 |

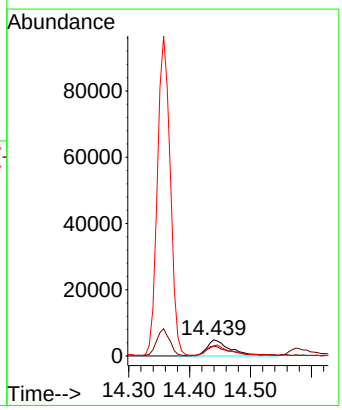


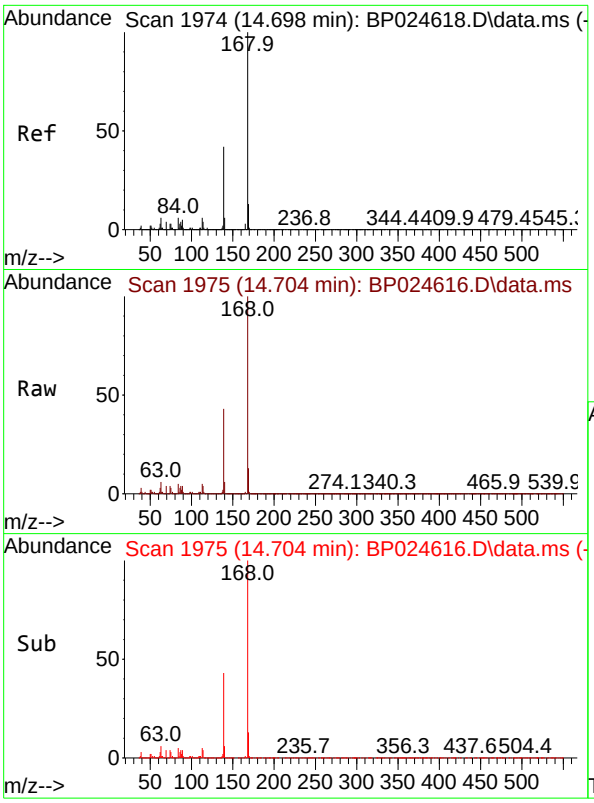




#54
2,4-Dinitrophenol
Concen: 10.835 ng
RT: 14.439 min Scan# 1930
Delta R.T. 0.011 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:184 Resp: 13128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 60.3 | 51.3 | 76.9 |
| 154 | 62.9 | 53.5 | 80.3 |



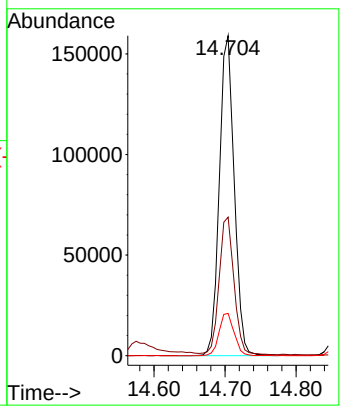


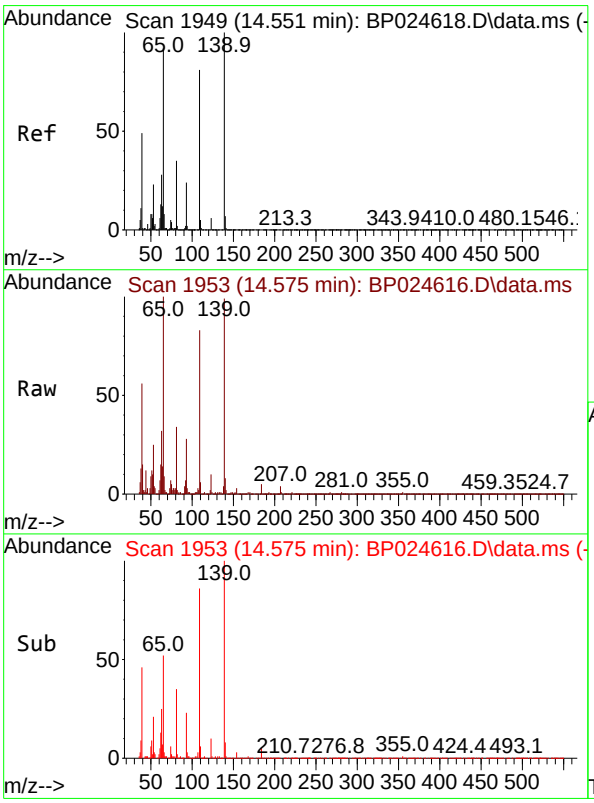

#55
Dibenzofuran
Concen: 9.924 ng
RT: 14.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:168 Resp: 230286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 43.3 | 34.2 | 51.4 |
| 169 | 13.2 | 10.8 | 16.2 |

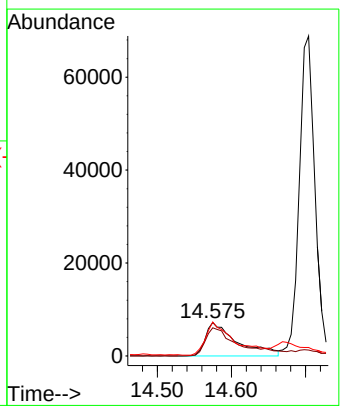


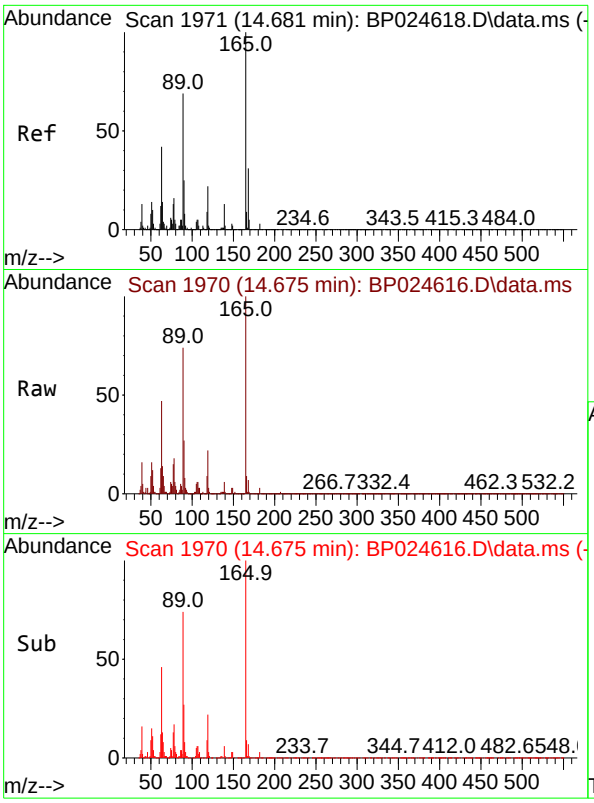




#56
4-Nitrophenol
Concen: 9.529 ng
RT: 14.575 min Scan# 1953
Delta R.T. 0.024 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:139 Resp: 21349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 84.4 | 61.4 | 101.4 |
| 65 | 101.4 | 72.2 | 112.2 |



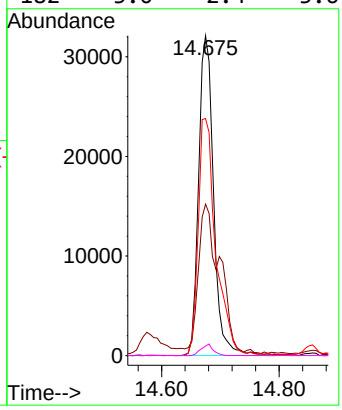


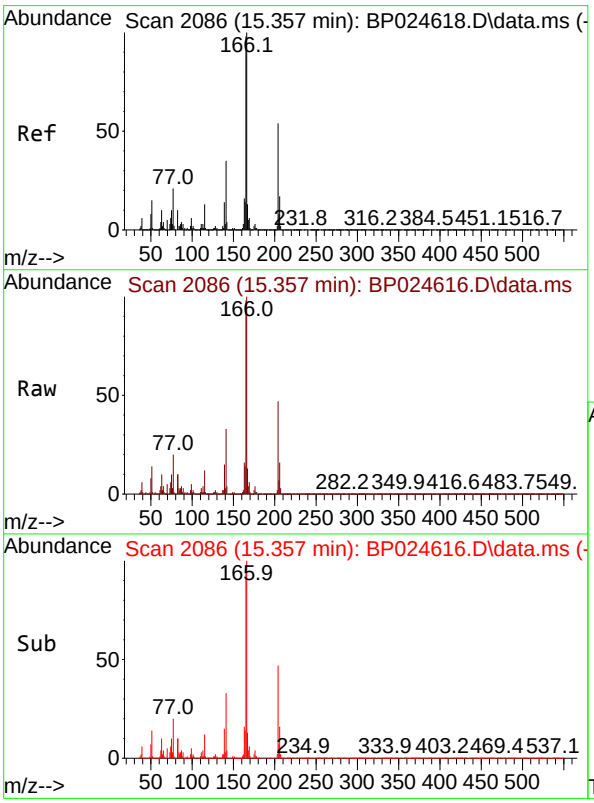

#57
2,4-Dinitrotoluene
Concen: 9.297 ng
RT: 14.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:165 Resp: 56617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 47.4 | 33.8 | 50.6 |
| 89 | 74.1 | 55.6 | 83.4 |
| 182 | 3.0 | 2.4 | 3.6 |

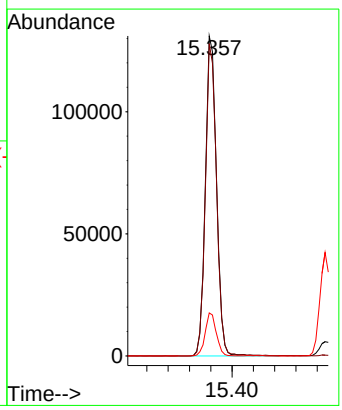


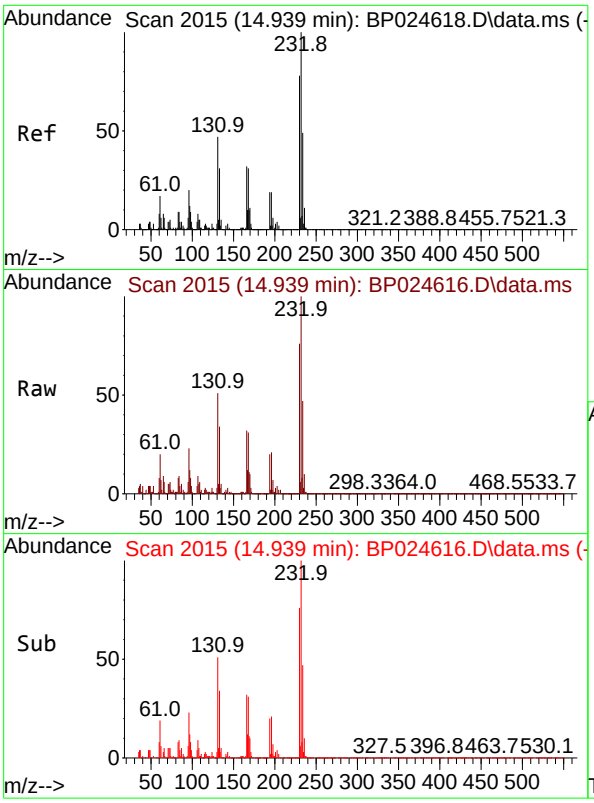




#58
Fluorene
Concen: 10.030 ng
RT: 15.357 min Scan# 2086
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:166 Resp: 189781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.6 | 78.5 | 117.7 |
| 167 | 13.5 | 10.7 | 16.1 |



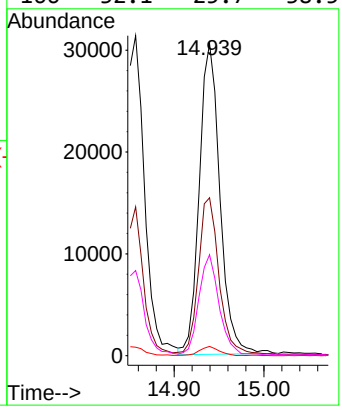


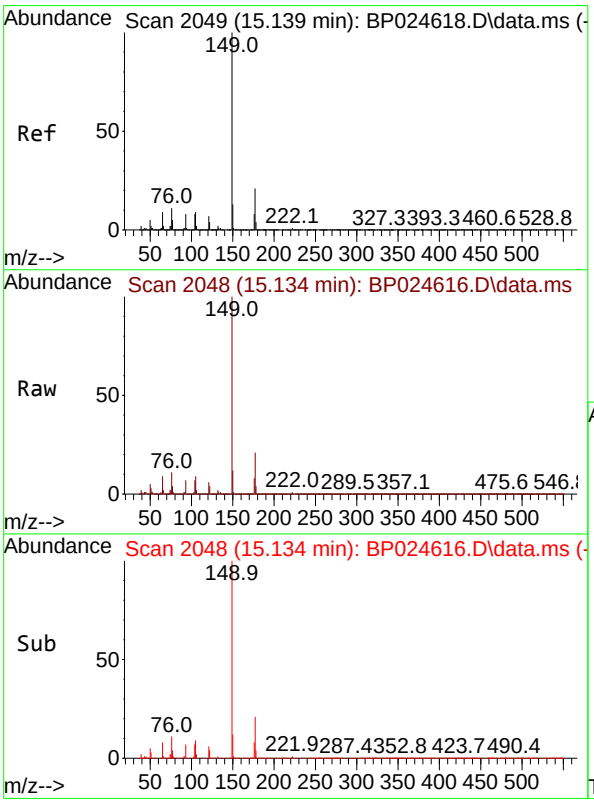

#59
2,3,4,6-Tetrachlorophenol
Concen: 9.368 ng
RT: 14.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:232 Resp: 48821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 50.6 | 39.5 | 59.3 |
| 130 | 2.8 | 2.2 | 3.4 |
| 166 | 32.1 | 25.7 | 38.5 |

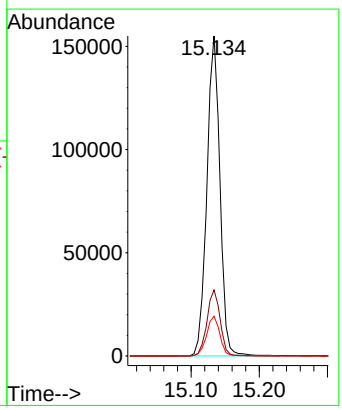


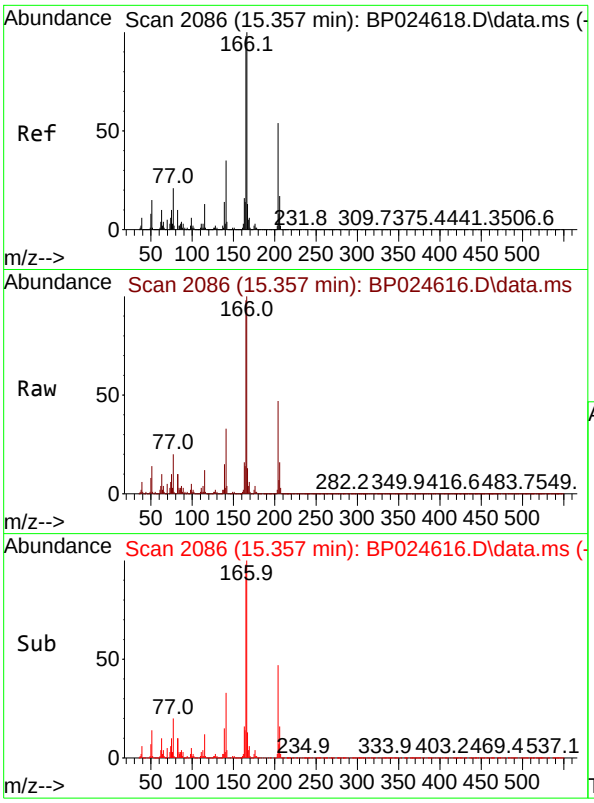




#60
Diethylphthalate
Concen: 10.008 ng
RT: 15.134 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:149 Resp: 206886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 20.6 | 16.7 | 25.1 |
| 150 | 12.4 | 10.2 | 15.2 |



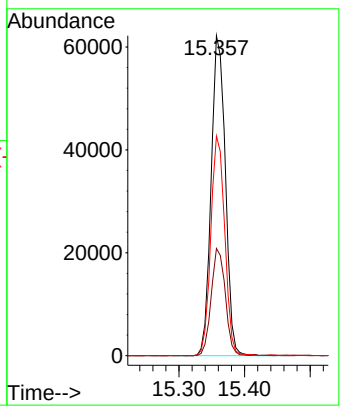


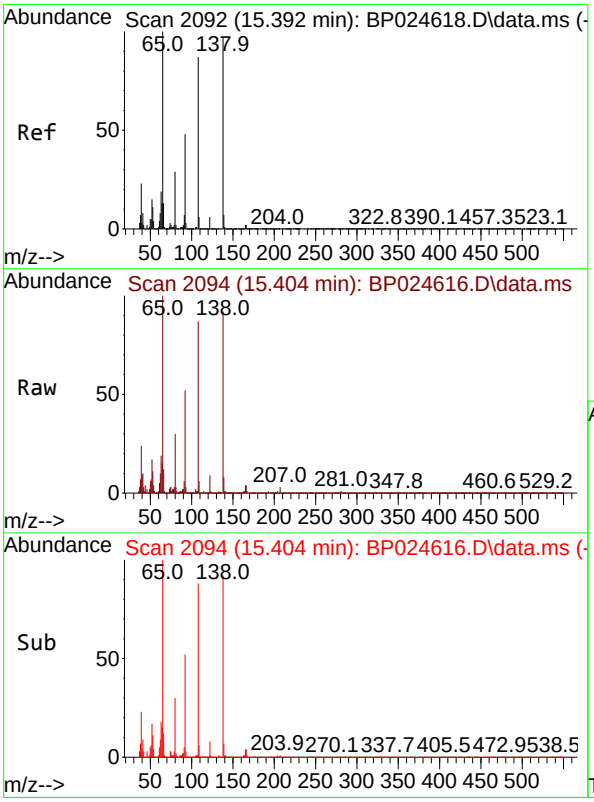

#61
4-Chlorophenyl-phenylether
Concen: 9.910 ng
RT: 15.357 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:204 Resp: 93517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.5 | 26.0 | 39.0 |
| 141 | 68.7 | 52.9 | 79.3 |

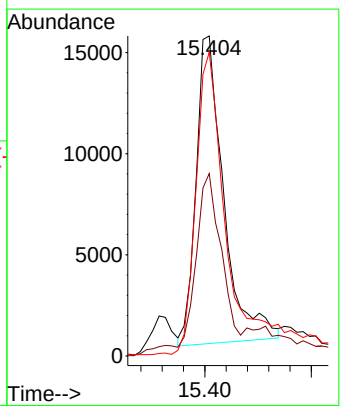


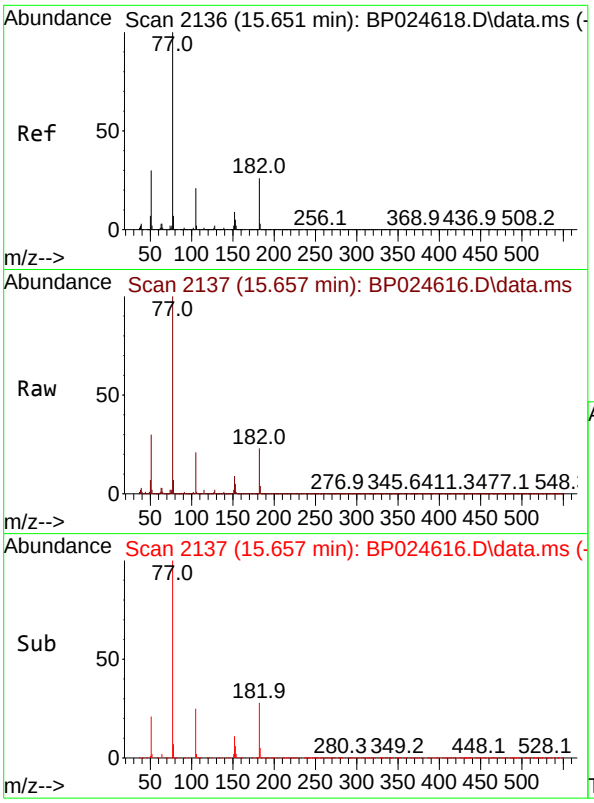




#62
4-Nitroaniline
Concen: 6.409 ng
RT: 15.404 min Scan# 2094
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:138 Resp: 27520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 57.0 | 29.2 | 69.2 |
| 108 | 95.0 | 69.0 | 109.0 |



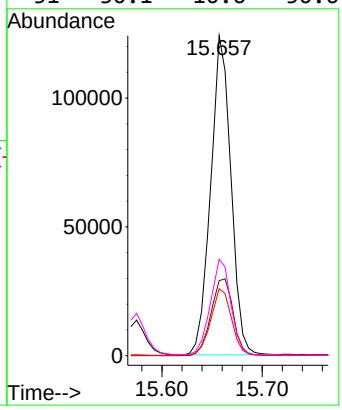


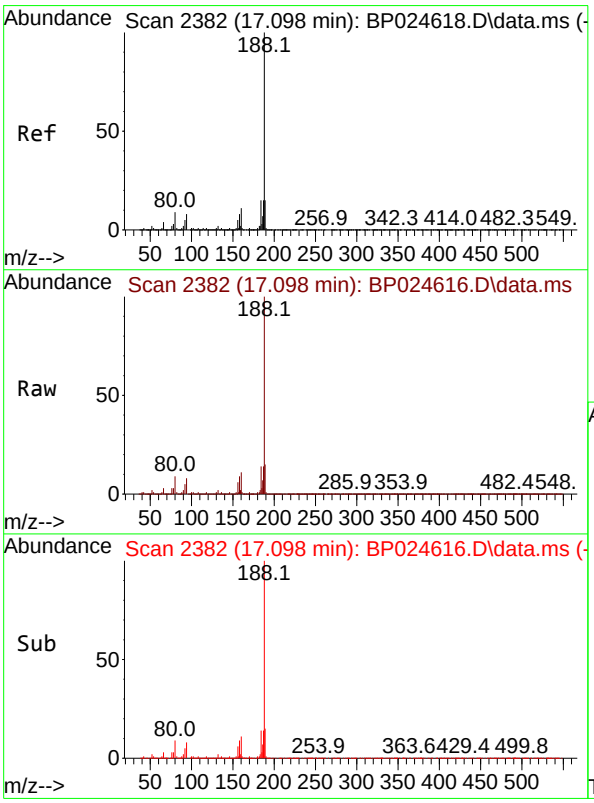

#63
Azobenzene
Concen: 9.858 ng
RT: 15.657 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion: 77 Resp: 174322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 23.5 | 5.7 | 45.7 |
| 105 | 20.9 | 1.3 | 41.3 |
| 51 | 30.1 | 10.6 | 50.6 |

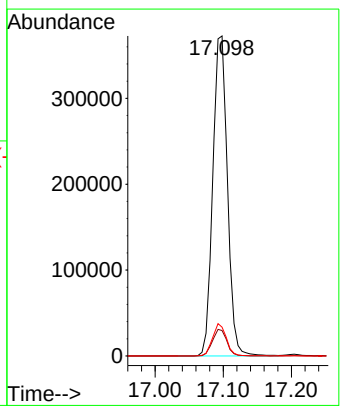


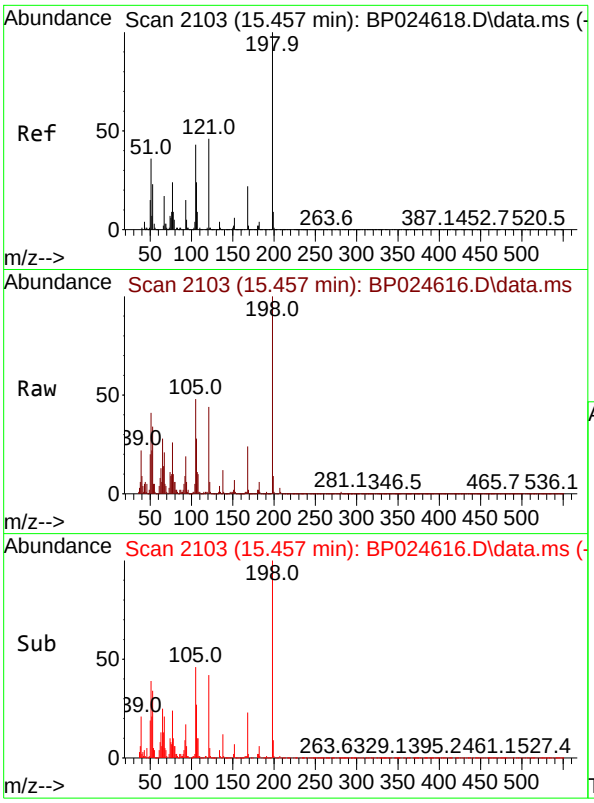




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.098 min Scan# 2382
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:188 Resp: 556673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.0 | 6.5 | 9.7 |
| 80 | 9.0 | 7.3 | 10.9 |



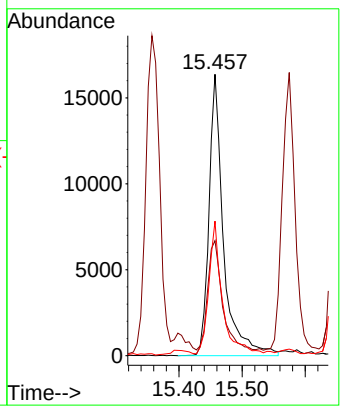


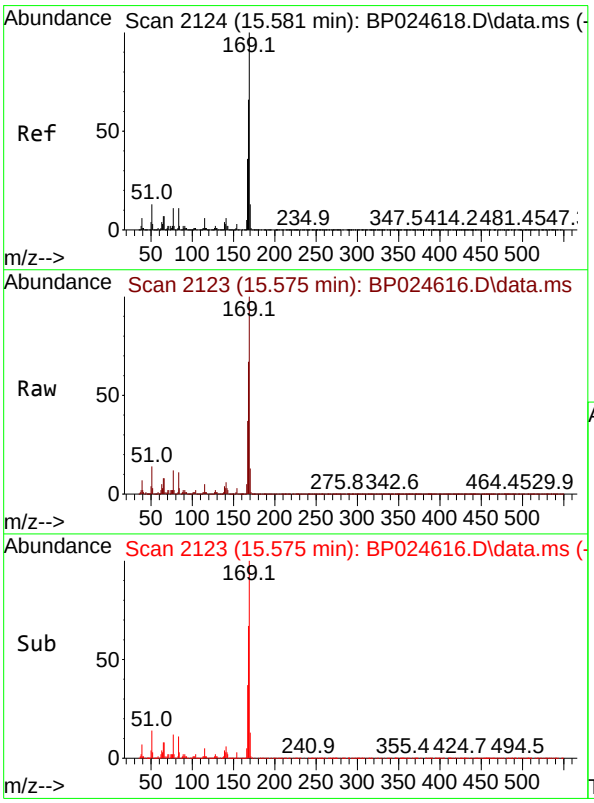

#65
4,6-Dinitro-2-methylphenol
Concen: 7.279 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:198 Resp: 26174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 40.9 | 21.1 | 61.1 |
| 105 | 47.8 | 23.6 | 63.6 |

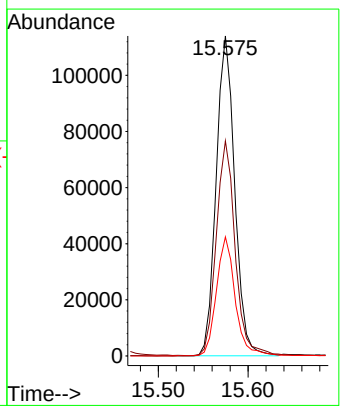


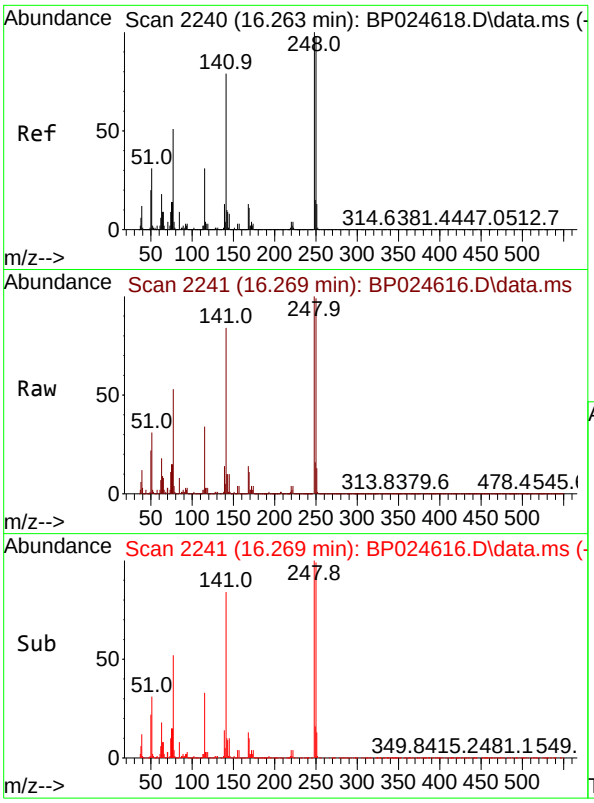




#66
n-Nitrosodiphenylamine
Concen: 9.592 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:169 Resp: 164008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.2 | 53.2 | 79.8 |
| 167 | 37.2 | 28.6 | 43.0 |



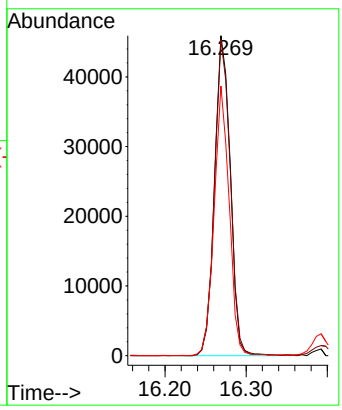


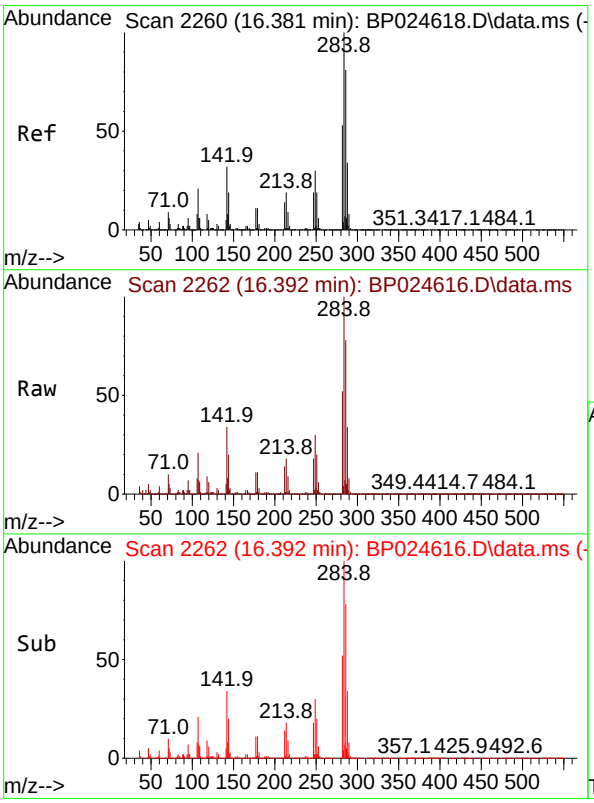

#67
4-Bromophenyl-phenylether
Concen: 9.454 ng
RT: 16.269 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:248 Resp: 62011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.7 | 78.2 | 117.4 |
| 141 | 84.3 | 63.0 | 94.6 |

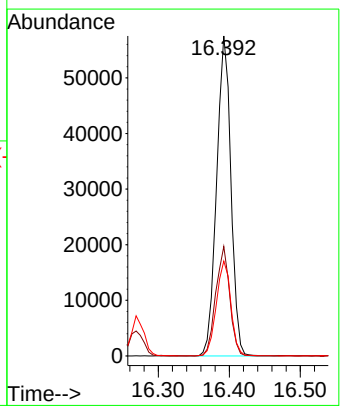


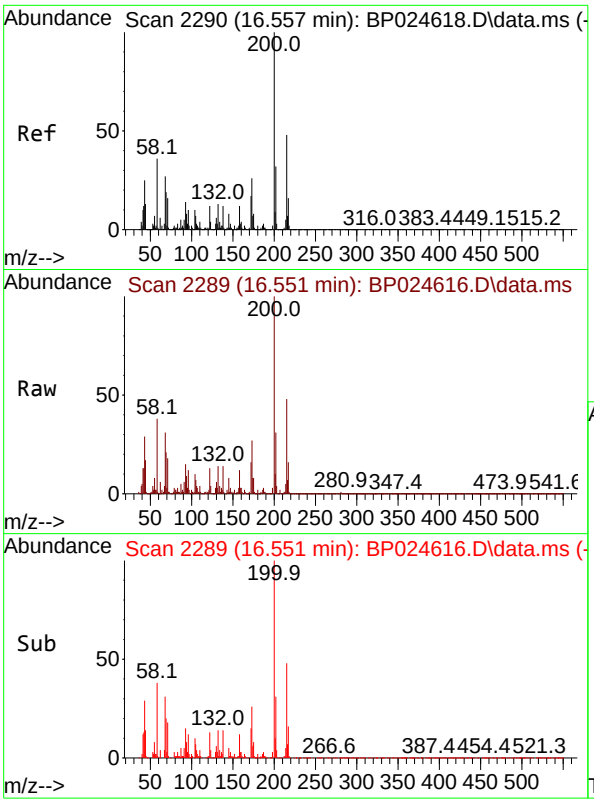




#68
Hexachlorobenzene
Concen: 9.609 ng
RT: 16.392 min Scan# 2262
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:284 Resp: 80088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.2 | 25.9 | 38.9 |
| 249 | 29.6 | 24.1 | 36.1 |



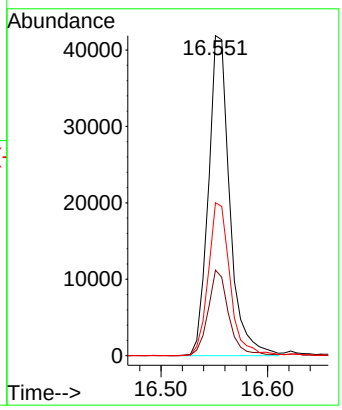


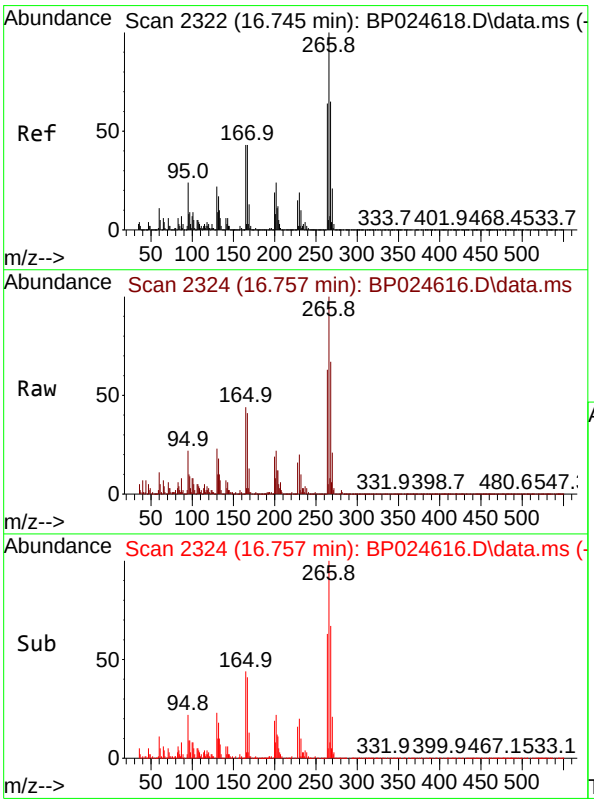

#69
Atrazine
Concen: 9.295 ng
RT: 16.551 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:200 Resp: 58245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.8 | 5.9 | 45.9 |
| 215 | 47.8 | 28.3 | 68.3 |

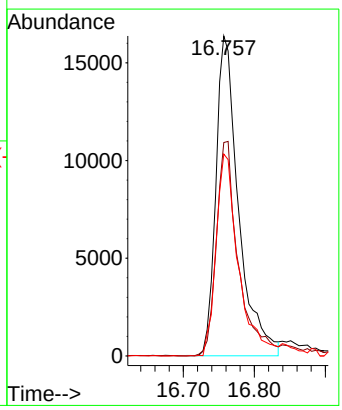


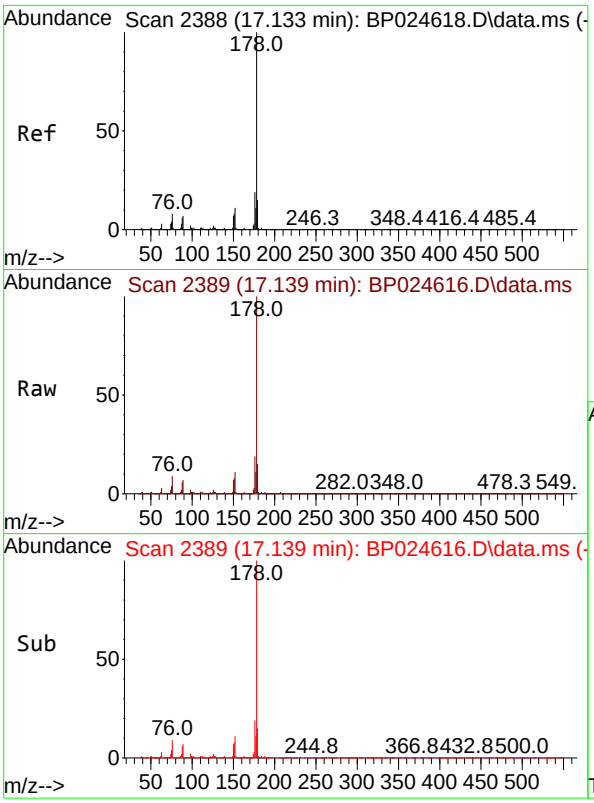




#70
Pentachlorophenol
Concen: 7.733 ng
RT: 16.757 min Scan# 2324
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:266 Resp: 36201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 66.7 | 52.2 | 78.4 |
| 264 | 63.1 | 51.1 | 76.7 |



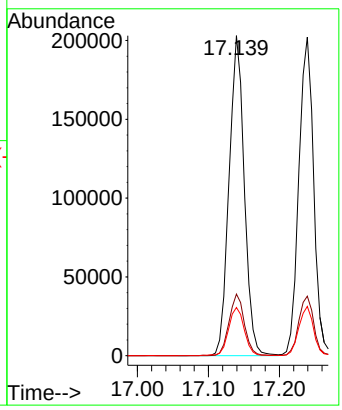


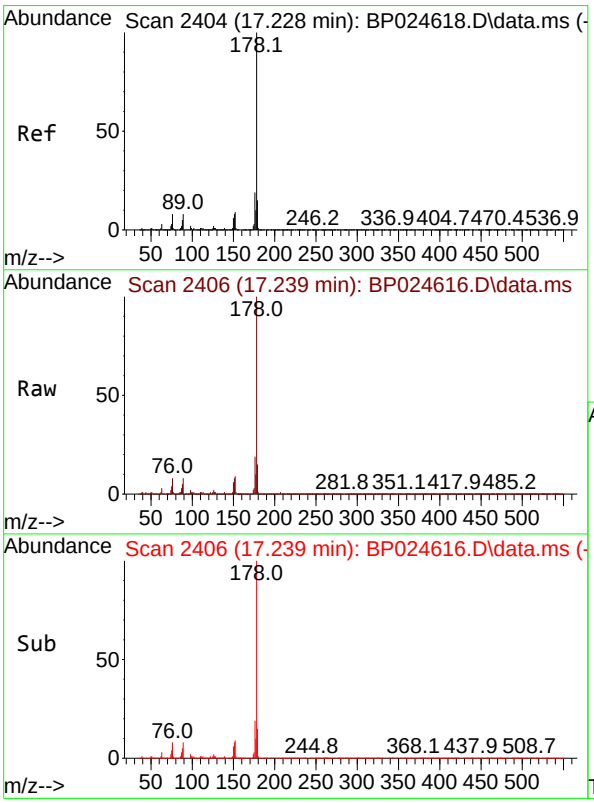

#71
Phenanthrene
Concen: 9.754 ng
RT: 17.139 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:178 Resp: 301863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.4 | 23.2 |
| 179 | 15.1 | 12.2 | 18.4 |

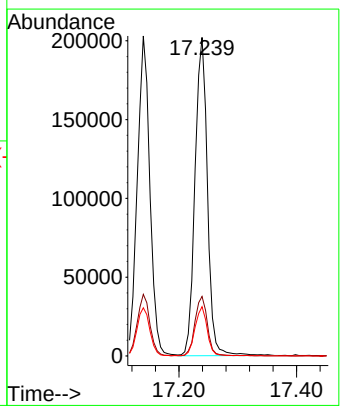


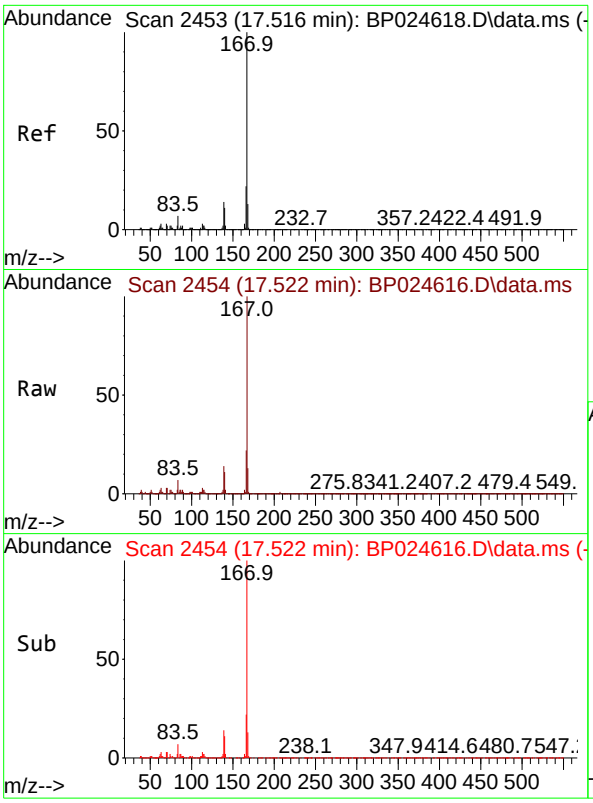




#72
Anthracene
Concen: 9.512 ng
RT: 17.239 min Scan# 2406
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:178 Resp: 296146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.0 | 22.4 |
| 179 | 15.5 | 12.2 | 18.2 |



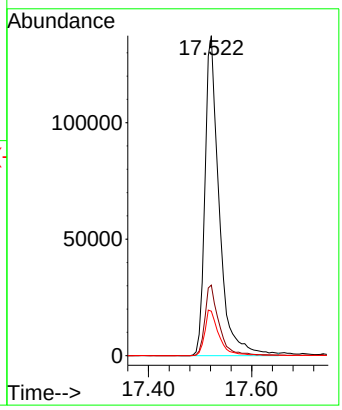


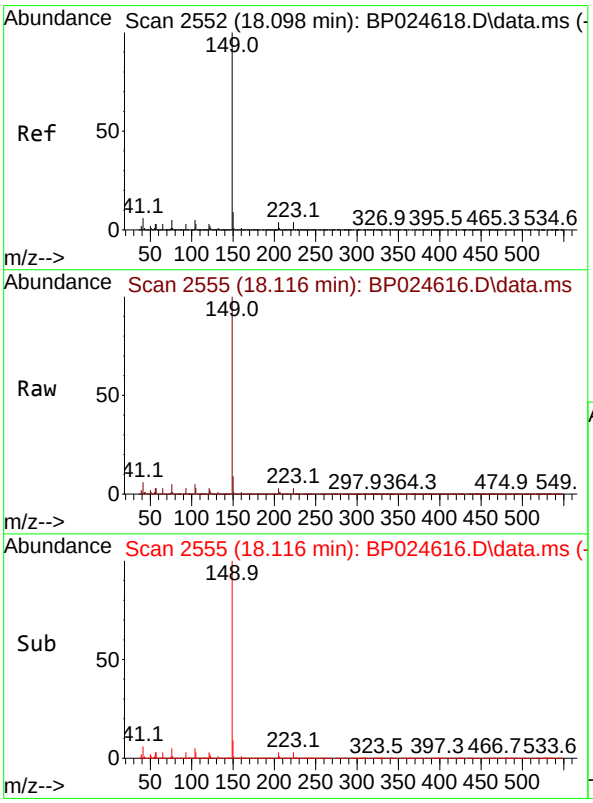

#73
Carbazole
Concen: 9.322 ng
RT: 17.522 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:167 Resp: 262687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.1 | 17.7 | 26.5 |
| 139 | 13.9 | 11.3 | 16.9 |

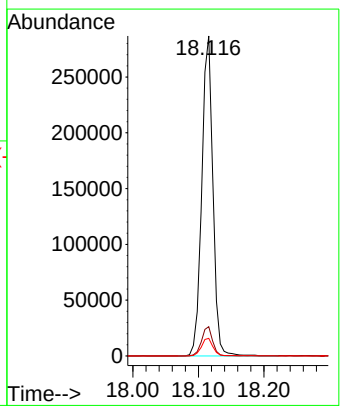


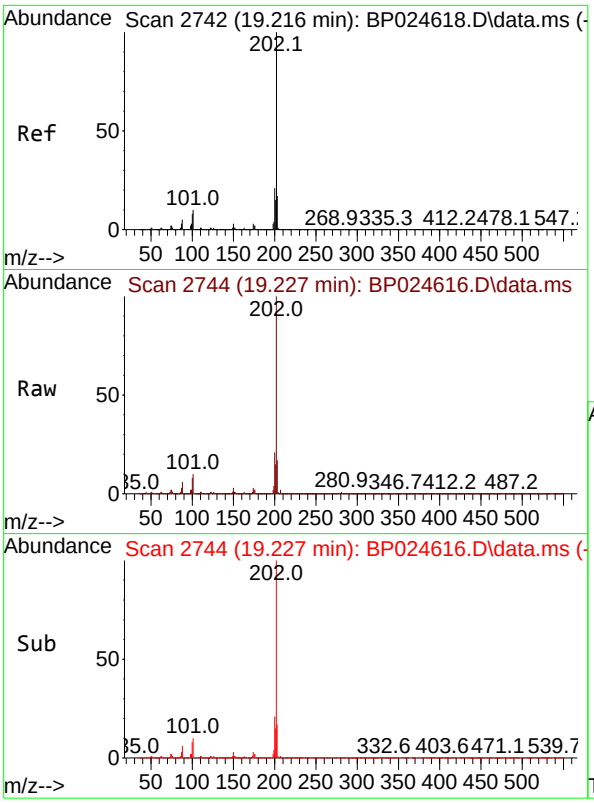




#74
Di-n-butylphthalate
Concen: 9.351 ng
RT: 18.116 min Scan# 2555
Delta R.T. 0.018 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:149 Resp: 338893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.2 | 10.8 |
| 104 | 5.5 | 4.3 | 6.5 |



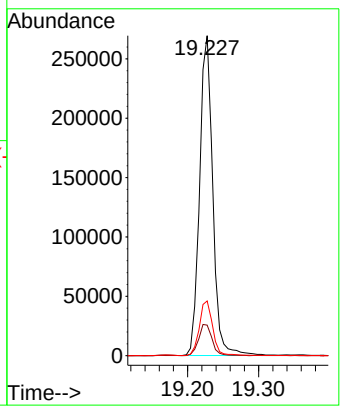


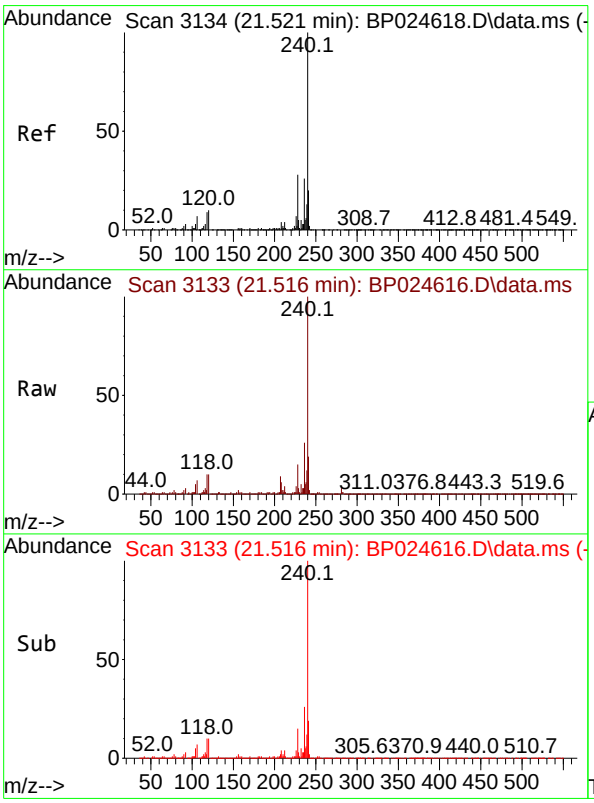

#75
Fluoranthene
Concen: 9.650 ng
RT: 19.227 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:202 Resp: 349083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.6 | 0.0 | 30.3 |
| 203 | 17.1 | 0.0 | 37.5 |

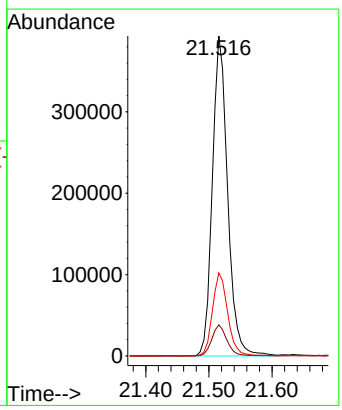


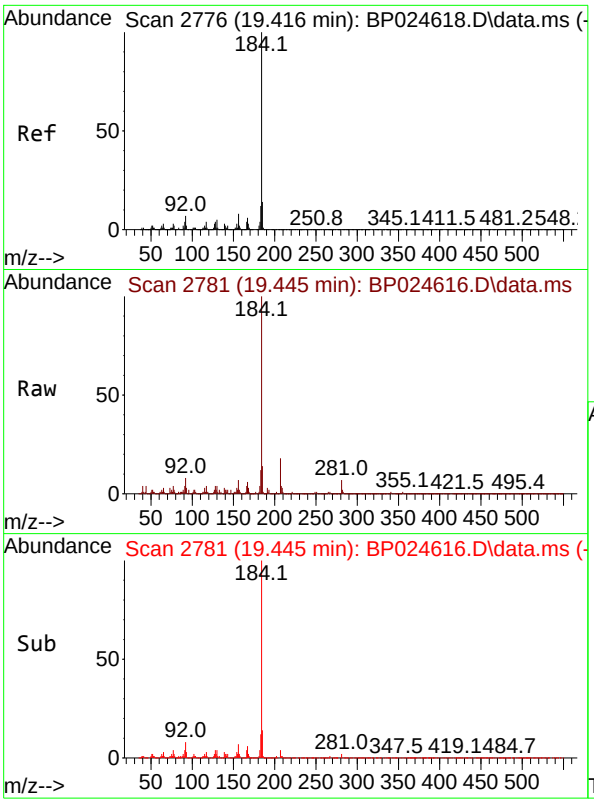




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:240 Resp: 659092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.8 | 7.8 | 11.6 |
| 236 | 25.9 | 20.6 | 31.0 |



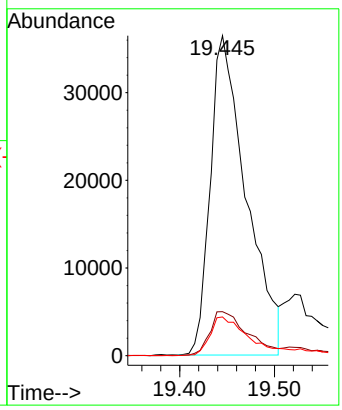


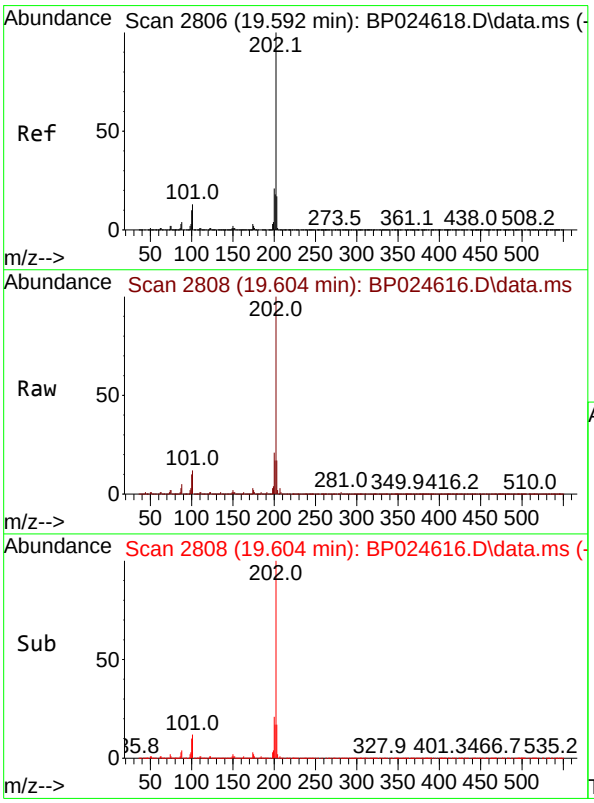

#77
Benzidine
Concen: 5.316 ng
RT: 19.445 min Scan# 2
Delta R.T. 0.029 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:184 Resp: 96179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 13.7 | 11.2 | 16.8 |
| 183 | 12.1 | 9.8 | 14.8 |

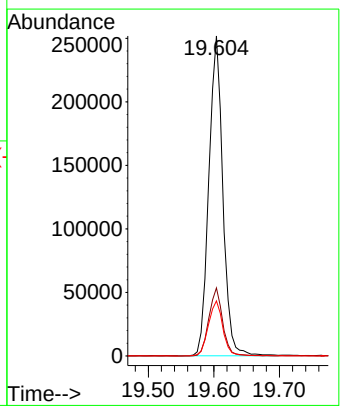


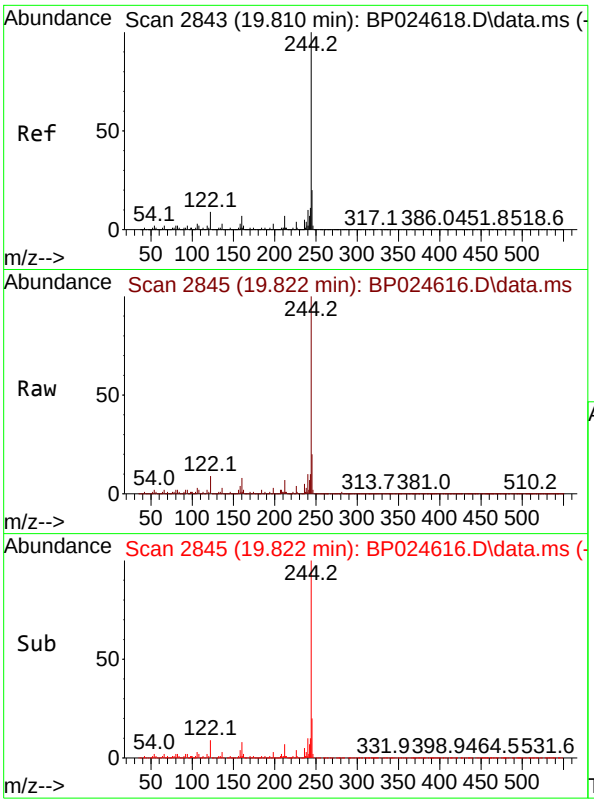




#78
Pyrene
Concen: 9.485 ng
RT: 19.604 min Scan# 2808
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:202 Resp: 374573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.3 | 16.9 | 25.3 |
| 203 | 17.2 | 13.9 | 20.9 |



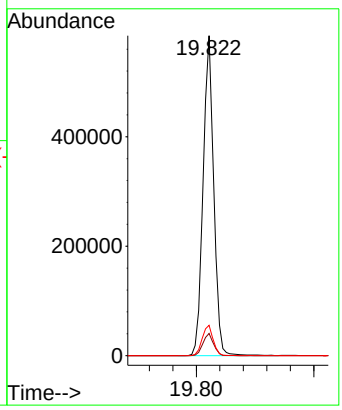


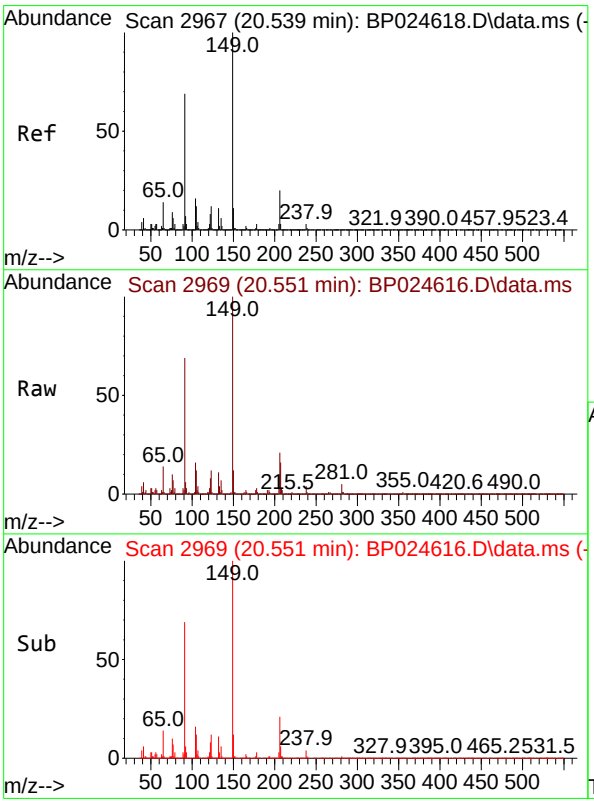

#79
Terphenyl-d14
Concen: 19.088 ng
RT: 19.822 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:244 Resp: 733687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.5 | 8.3 |
| 122 | 9.5 | 7.4 | 11.0 |

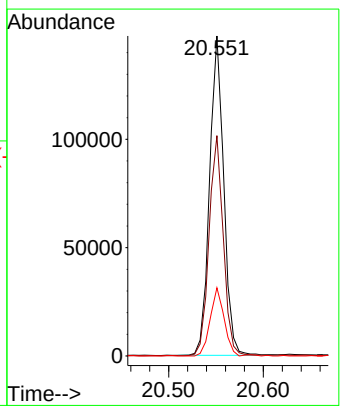


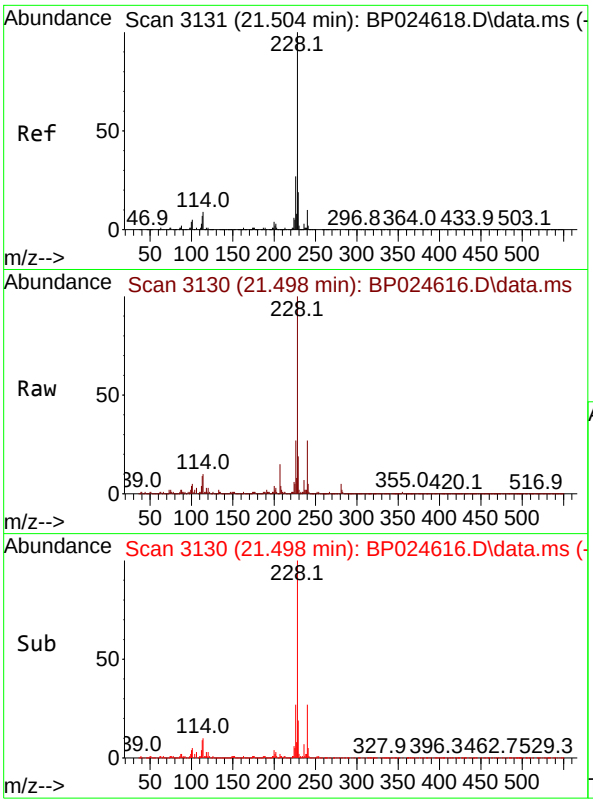




#80
Butylbenzylphthalate
Concen: 8.727 ng
RT: 20.551 min Scan# 2969
Delta R.T. 0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:149 Resp: 153275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 68.8 | 55.4 | 83.0 |
| 206 | 21.3 | 16.2 | 24.2 |



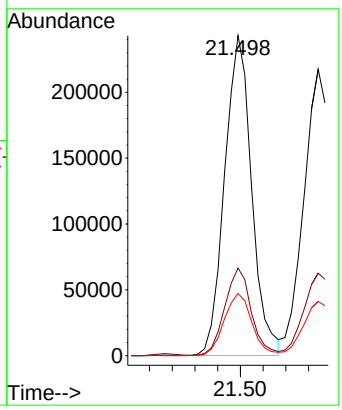


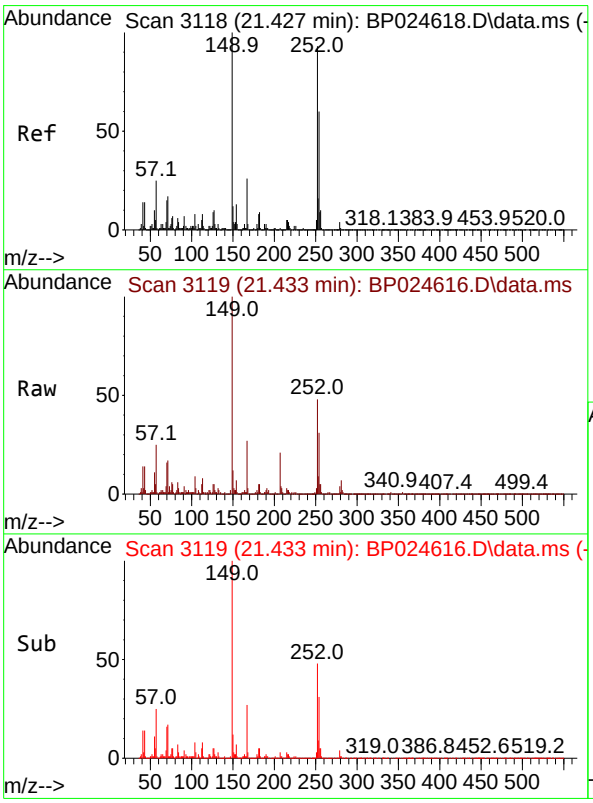

#81
Benzo(a)anthracene
Concen: 9.697 ng
RT: 21.498 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:228 Resp: 401322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.4 | 21.4 | 32.0 |
| 229 | 19.5 | 15.5 | 23.3 |

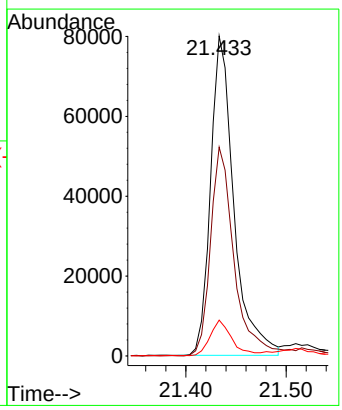


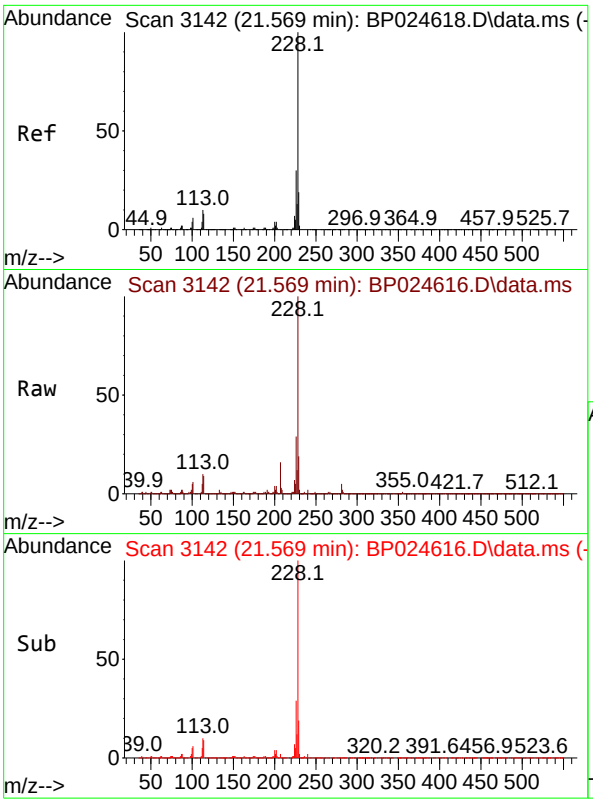




#82
3,3'-Dichlorobenzidine
Concen: 8.413 ng
RT: 21.433 min Scan# 3119
Delta R.T. 0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:252 Resp: 129324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.2 | 51.8 | 77.6 |
| 126 | 11.2 | 7.7 | 11.5 |



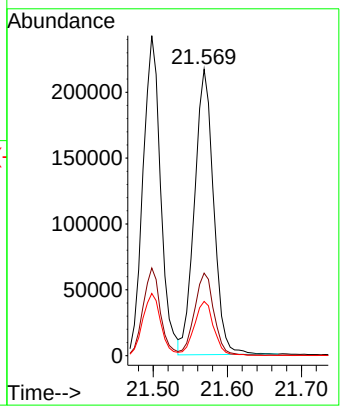


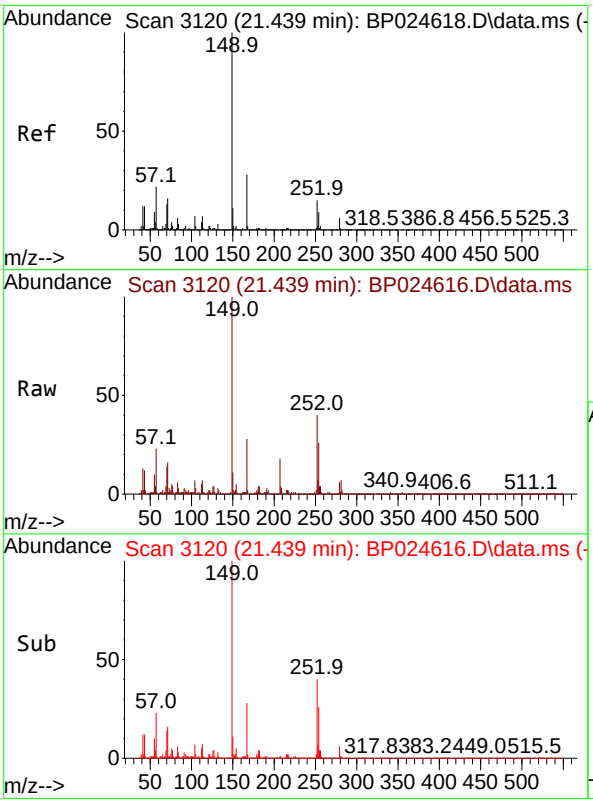

#83
Chrysene
Concen: 9.912 ng
RT: 21.569 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:228 Resp: 388846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.8 | 23.9 | 35.9 |
| 229 | 19.0 | 15.5 | 23.3 |

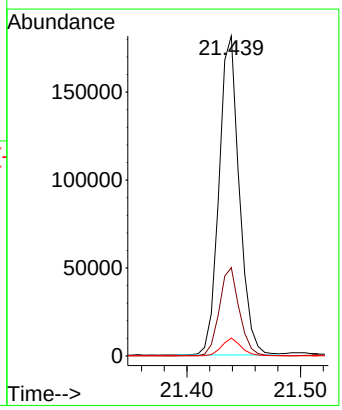


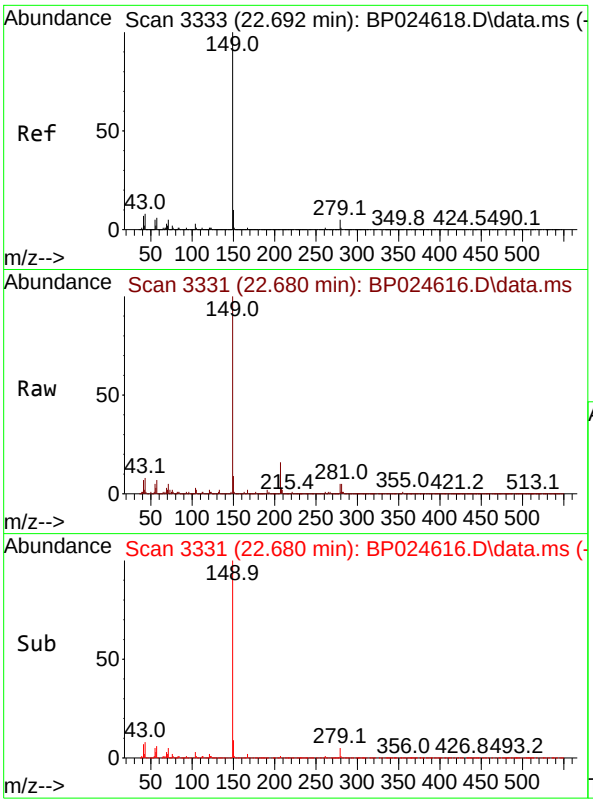




#84
Bis(2-ethylhexyl)phthalate
Concen: 8.718 ng
RT: 21.439 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:149 Resp: 225047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.6 | 22.1 | 33.1 |
| 279 | 5.6 | 4.6 | 6.8 |



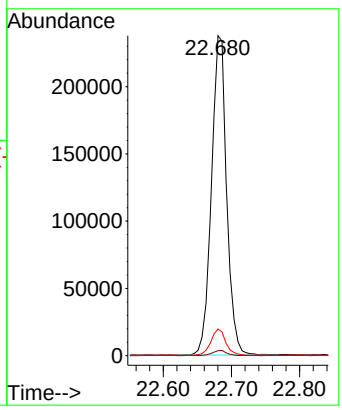


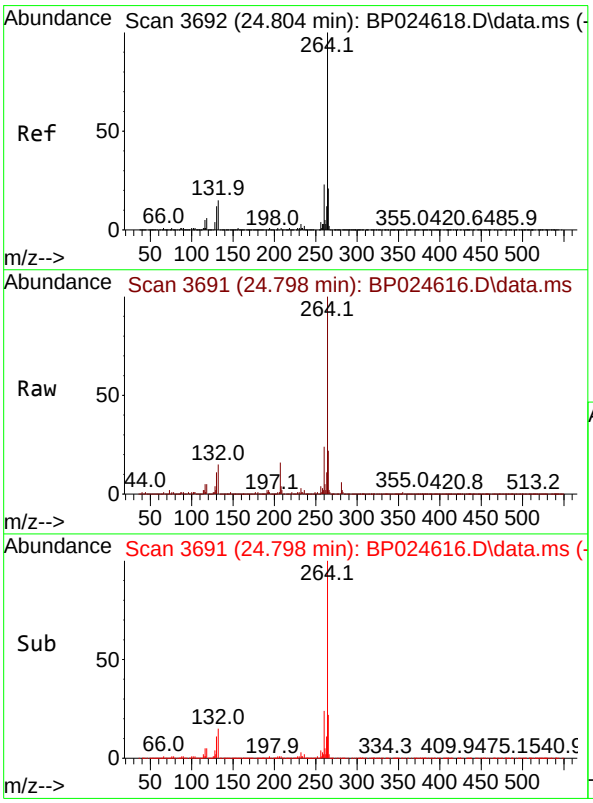

#85
Di-n-octyl phthalate
Concen: 8.716 ng
RT: 22.680 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:149 Resp: 367934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.2 | 1.8 |
| 43 | 8.0 | 6.3 | 9.5 |

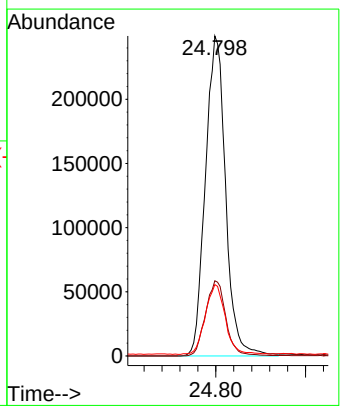


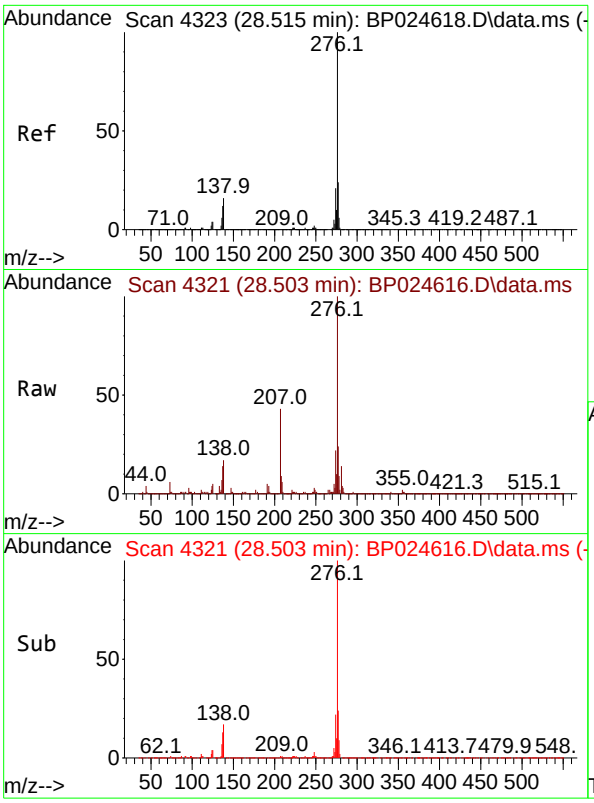




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.798 min Scan# 3691
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:264 Resp: 780142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 18.7 | 28.1 |
| 265 | 22.3 | 17.0 | 25.6 |



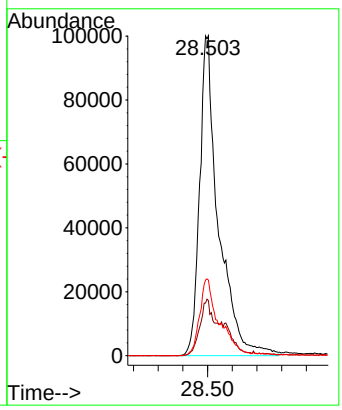


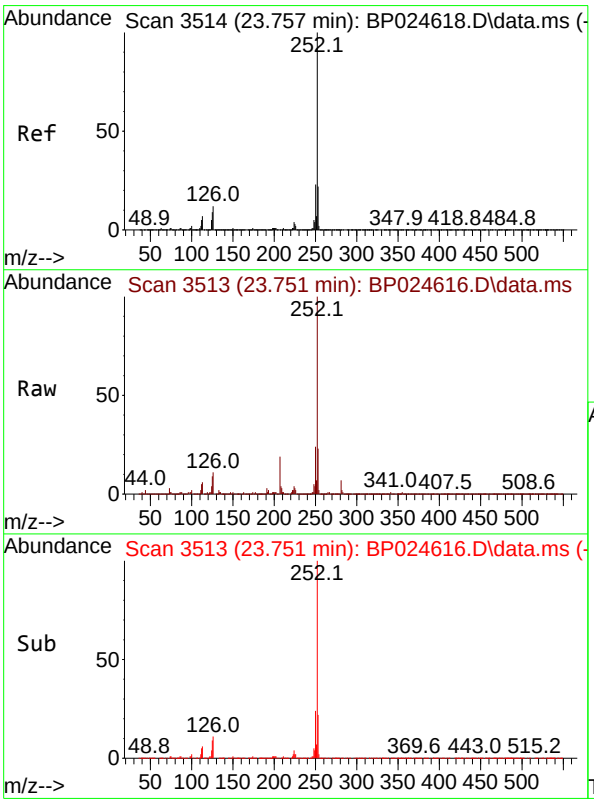

#87
Indeno(1,2,3-cd)pyrene
Concen: 9.290 ng
RT: 28.503 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:276 Resp: 529260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 15.5 | 11.2 | 16.8 |
| 277 | 24.8 | 15.7 | 23.5# |

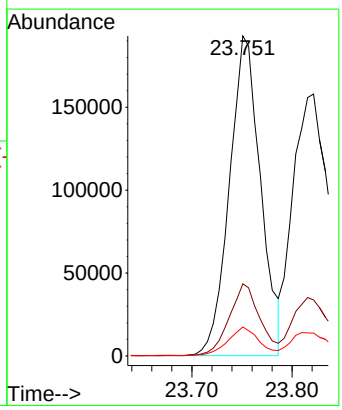


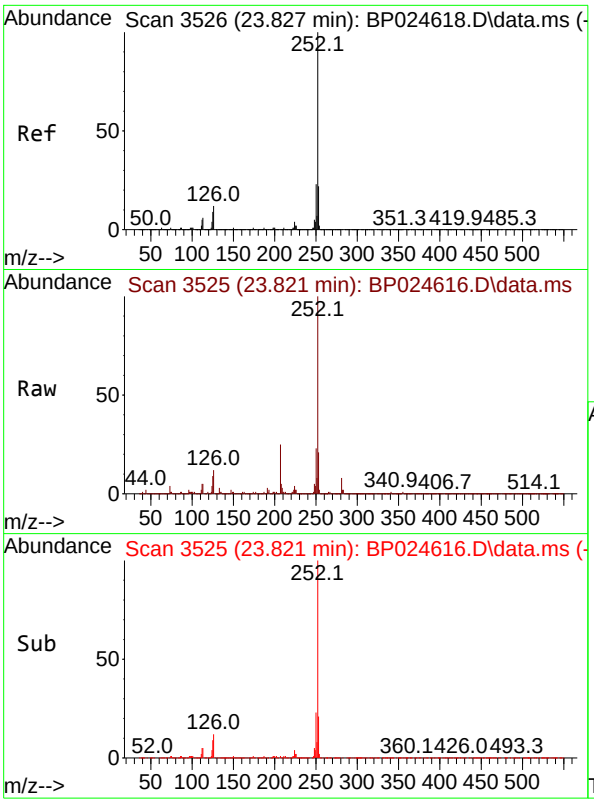




#88
Benzo(b)fluoranthene
Concen: 9.346 ng
RT: 23.751 min Scan# 3513
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:252 Resp: 417343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.6 | 17.7 | 26.5 |
| 125 | 9.1 | 7.5 | 11.3 |



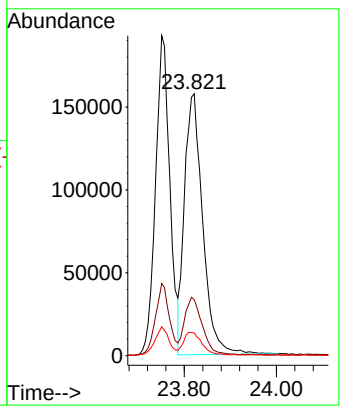


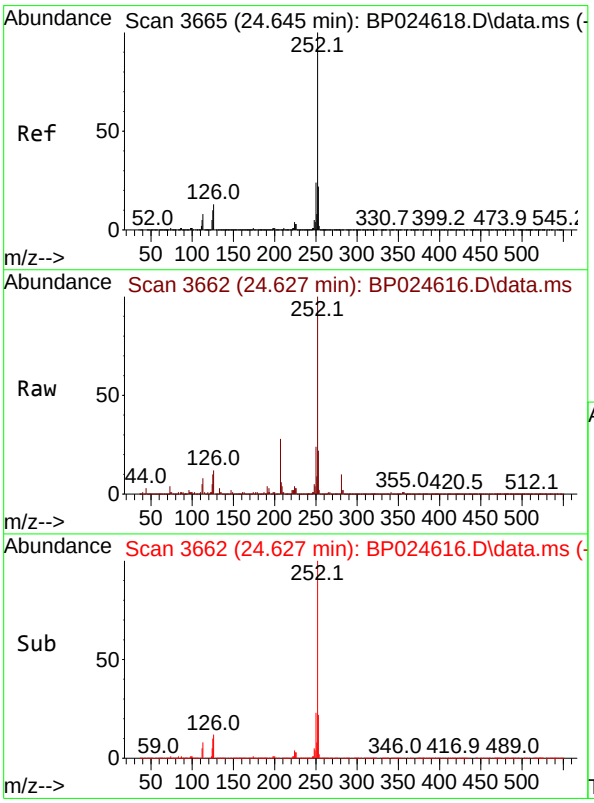

#89
Benzo(k)fluoranthene
Concen: 9.379 ng
RT: 23.821 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:252 Resp: 431575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.4 | 17.6 | 26.4 |
| 125 | 8.7 | 7.0 | 10.4 |

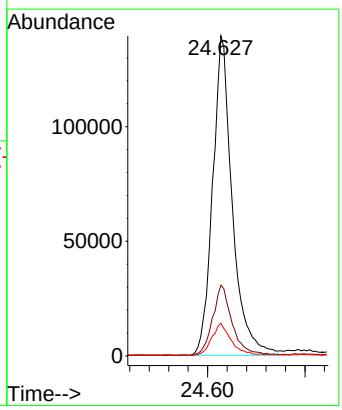


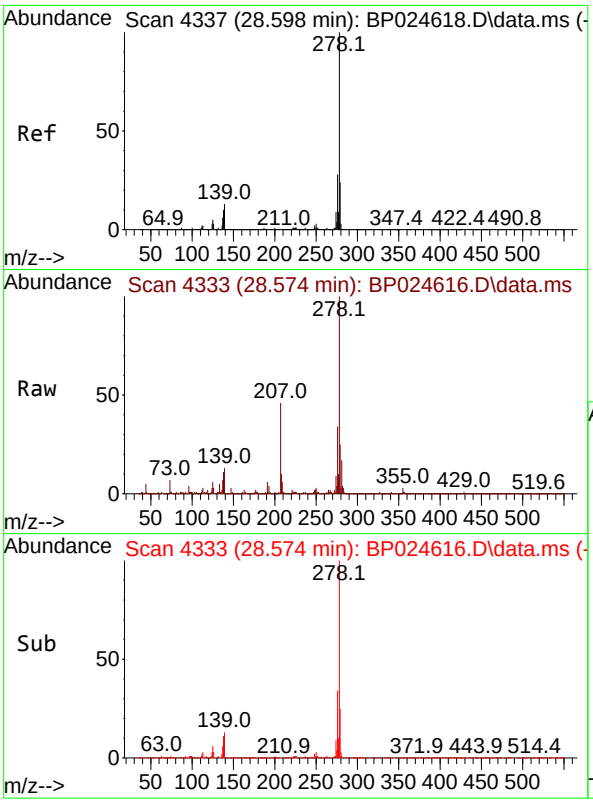




#90
Benzo(a)pyrene
Concen: 9.100 ng
RT: 24.627 min Scan# 3662
Delta R.T. -0.018 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:252 Resp: 390288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.7 | 26.5 |
| 125 | 10.2 | 8.1 | 12.1 |



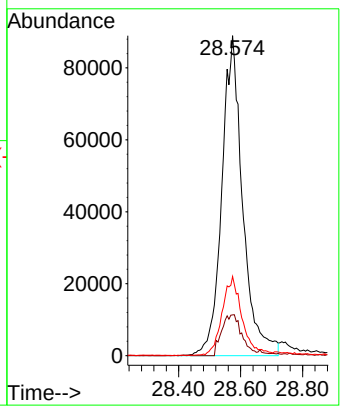


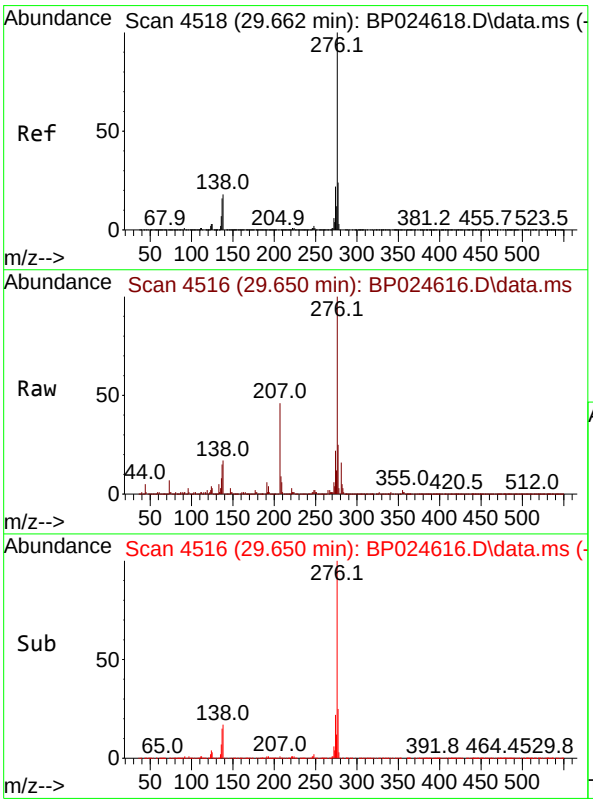

#91
Dibenzo(a,h)anthracene
Concen: 8.973 ng
RT: 28.574 min Scan# 4
Delta R.T. -0.024 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC010

Tgt Ion:278 Resp: 415768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 12.7 | 10.2 | 15.4 |
| 279 | 24.7 | 19.0 | 28.4 |

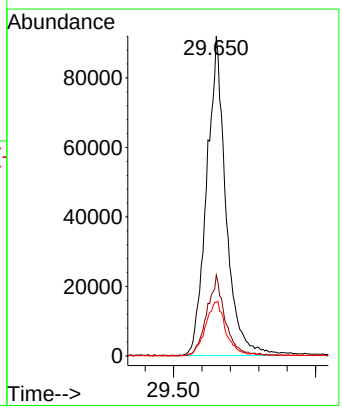



#92
Benzo(g,h,i)perylene
Concen: 9.366 ng
RT: 29.650 min Scan# 4516
Delta R.T. -0.012 min
Lab File: BP024616.D
Acq: 13 May 2025 12:03

Tgt Ion:276 Resp: 431559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.3 | 19.0 | 28.4 |
| 138 | 16.8 | 14.4 | 21.6 |



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024617.D
Acq On : 13 May 2025 12:43
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Quant Time: May 13 16:05:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.664 | 152 | 112650 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.434 | 136 | 488721 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.299 | 164 | 323928 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.087 | 188 | 644367 | 20.000 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.522 | 240 | 745224 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.792 | 264 | 850264 | 20.000 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.287 | 112 | 261821 | 39.752 | ng | | 0.00 |
| 7) Phenol-d6 | 6.858 | 99 | 334811 | 39.830 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.811 | 82 | 391739 | 40.500 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.810 | 330 | 217092 | 39.532 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.904 | 172 | 1006150 | 40.694 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.810 | 244 | 1736879 | 39.964 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.229 | 88 | 60251 | 19.481 | ng | | 98 |
| 3) Pyridine | 3.628 | 79 | 135451 | 19.752 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.540 | 42 | 59324 | 19.595 | ng | | 99 |
| 6) Aniline | 7.005 | 93 | 217646 | 20.054 | ng | | 100 |
| 8) 2-Chlorophenol | 7.240 | 128 | 147726 | 19.758 | ng | | 99 |
| 9) Benzaldehyde | 6.822 | 77 | 120893 | 22.255 | ng | | 96 |
| 10) Phenol | 6.881 | 94 | 171949 | 19.819 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.099 | 93 | 141599 | 19.862 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.552 | 146 | 171270 | 19.910 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.699 | 146 | 171756 | 19.852 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.011 | 146 | 168795 | 20.022 | ng | | 99 |
| 15) Benzyl Alcohol | 7.911 | 79 | 127076 | 19.893 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.187 | 45 | 171274 | 20.061 | ng | | 100 |
| 17) 2-Methylphenol | 8.111 | 107 | 124506 | 20.008 | ng | | 99 |
| 18) Hexachloroethane | 8.728 | 117 | 65527 | 19.764 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.458 | 70 | 122386 | 21.048 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.440 | 107 | 169264 | 19.997 | ng | | 97 |
| 22) Acetophenone | 8.481 | 105 | 249692 | 20.453 | ng | # | 100 |
| 24) Nitrobenzene | 8.858 | 77 | 173686 | 20.405 | ng | | 99 |
| 25) Isophorone | 9.375 | 82 | 339697 | 20.246 | ng | | 100 |
| 26) 2-Nitrophenol | 9.563 | 139 | 82278 | 19.726 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.622 | 122 | 146819 | 19.965 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 9.852 | 93 | 200872 | 20.039 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.099 | 162 | 141785 | 19.896 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.299 | 180 | 159998 | 19.924 | ng | | 95 |
| 31) Naphthalene | 10.481 | 128 | 512888 | 20.251 | ng | | 100 |
| 32) Benzoic acid | 9.746 | 122 | 56285 | 16.180 | ng | | 98 |
| 33) 4-Chloroaniline | 10.605 | 127 | 205433 | 20.102 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.763 | 225 | 103364 | 19.869 | ng | | 99 |
| 35) Caprolactam | 11.381 | 113 | 50721 | 19.683 | ng | | 99 |
| 36) 4-Chloro-3-methylphenol | 11.734 | 107 | 174840 | 20.118 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.093 | 142 | 327447 | 19.968 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.316 | 142 | 352091 | 20.066 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.469 | 216 | 185982 | 19.772 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.440 | 237 | 113499 | 19.899 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.722 | 196 | 121520 | 19.945 | ng | | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024617.D
Acq On : 13 May 2025 12:43
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Quant Time: May 13 16:05:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.799 | 196 | 135306 | 19.951 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.116 | 154 | 483352 | 20.189 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.163 | 162 | 366247 | 20.063 | ng | | 100 |
| 48) 2-Nitroaniline | 13.375 | 65 | 107062 | 19.809 | ng | | 98 |
| 49) Acenaphthylene | 14.016 | 152 | 621997 | 20.360 | ng | | 100 |
| 50) Dimethylphthalate | 13.751 | 163 | 491623 | 19.912 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 13.869 | 165 | 105479 | 20.228 | ng | | 97 |
| 52) Acenaphthene | 14.357 | 154 | 354519 | 20.186 | ng | | 99 |
| 53) 3-Nitroaniline | 14.210 | 138 | 106527 | 20.008 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 14.428 | 184 | 46351 | 19.370 | ng | | 91 |
| 55) Dibenzofuran | 14.698 | 168 | 563719 | 20.123 | ng | | 99 |
| 56) 4-Nitrophenol | 14.551 | 139 | 71975 | 19.022 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 14.675 | 165 | 147676 | 20.088 | ng | | 99 |
| 58) Fluorene | 15.357 | 166 | 456792 | 19.998 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.934 | 232 | 123265 | 19.593 | ng | | 99 |
| 60) Diethylphthalate | 15.128 | 149 | 497916 | 19.953 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.351 | 204 | 226790 | 19.909 | ng | | 98 |
| 62) 4-Nitroaniline | 15.393 | 138 | 105617 | 20.374 | ng | | 99 |
| 63) Azobenzene | 15.651 | 77 | 439183 | 20.573 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.451 | 198 | 77131 | 18.531 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.575 | 169 | 404085 | 20.416 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.263 | 248 | 152393 | 20.071 | ng | | 97 |
| 68) Hexachlorobenzene | 16.381 | 284 | 192290 | 19.930 | ng | | 99 |
| 69) Atrazine | 16.545 | 200 | 146468 | 20.193 | ng | | 99 |
| 70) Pentachlorophenol | 16.740 | 266 | 104916 | 19.360 | ng | | 98 |
| 71) Phenanthrene | 17.128 | 178 | 724922 | 20.237 | ng | | 100 |
| 72) Anthracene | 17.222 | 178 | 735787 | 20.416 | ng | | 100 |
| 73) Carbazole | 17.510 | 167 | 669730 | 20.531 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.092 | 149 | 858522 | 20.464 | ng | | 100 |
| 75) Fluoranthene | 19.210 | 202 | 846684 | 20.220 | ng | | 100 |
| 77) Benzidine | 19.422 | 184 | 404890 | 19.793 | ng | | 99 |
| 78) Pyrene | 19.592 | 202 | 892037 | 19.977 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.539 | 149 | 400050 | 20.145 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.498 | 228 | 933614 | 19.952 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.428 | 252 | 353000 | 20.310 | ng | | 100 |
| 83) Chrysene | 21.569 | 228 | 883001 | 19.906 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.439 | 149 | 597012 | 20.454 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.686 | 149 | 947571 | 19.852 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.486 | 276 | 1047319 | 16.867 | ng | # | 90 |
| 88) Benzo(b)fluoranthene | 23.757 | 252 | 979873 | 20.134 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.822 | 252 | 1005349 | 20.047 | ng | | 100 |
| 90) Benzo(a)pyrene | 24.627 | 252 | 945764 | 20.234 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 28.568 | 278 | 1008288 | 19.966 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.627 | 276 | 991852 | 19.751 | ng | | 99 |

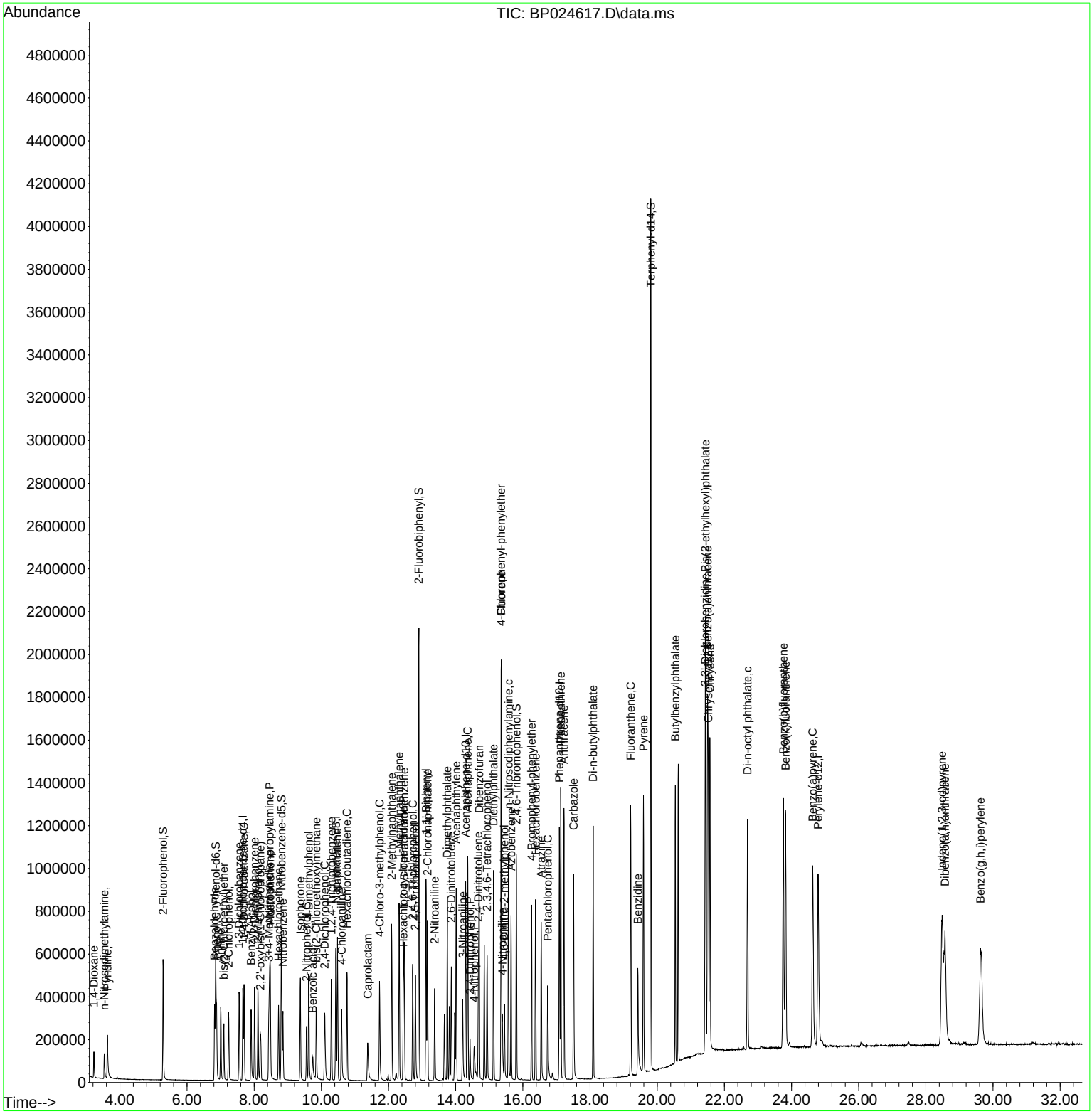
(#) = qualifier out of range (m) = manual integration (+) = signals summed

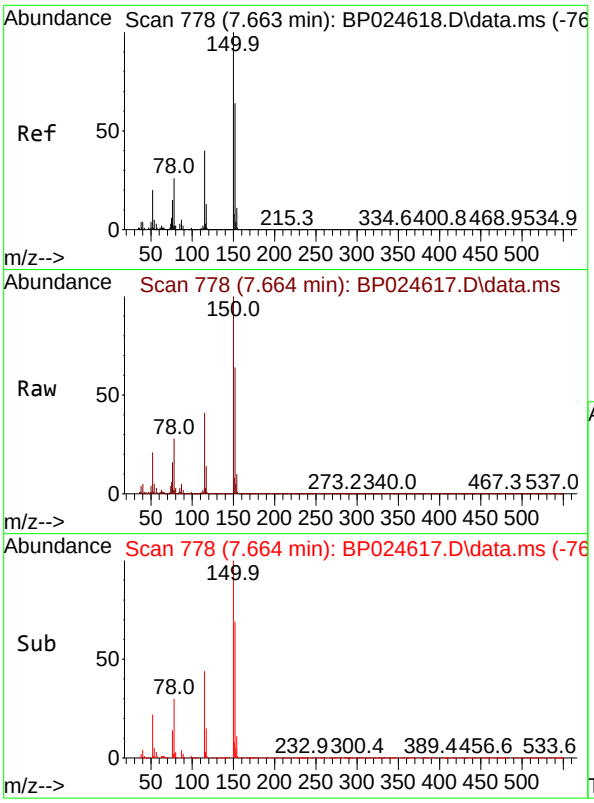
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024617.D
Acq On : 13 May 2025 12:43
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Quant Time: May 13 16:05:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration



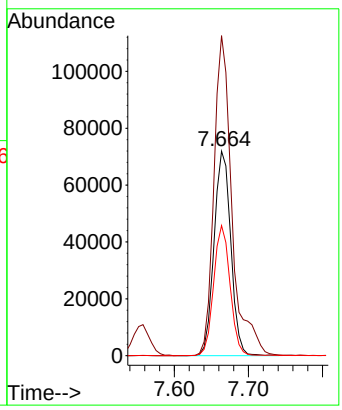


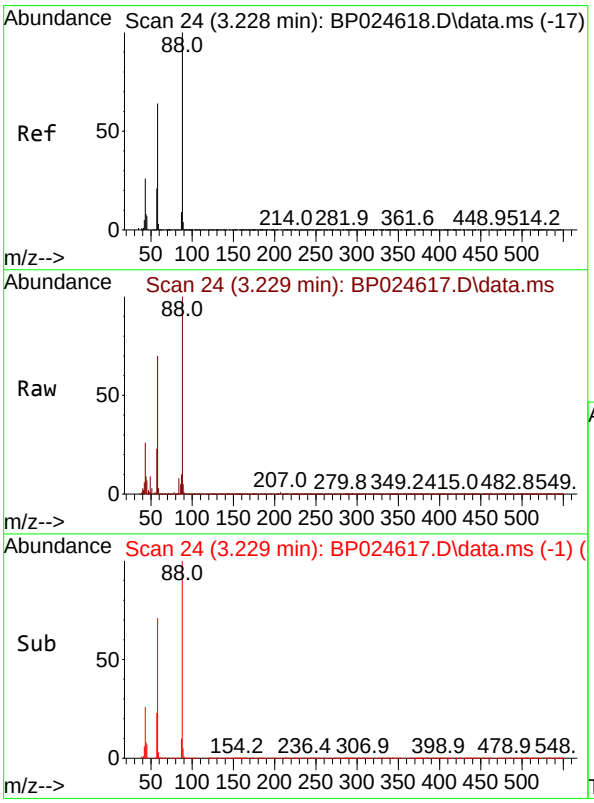

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.664 min Scan# 7
Delta R.T. 0.001 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:152 Resp: 112650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.4 | 125.9 | 188.9 |
| 115 | 63.6 | 50.1 | 75.1 |

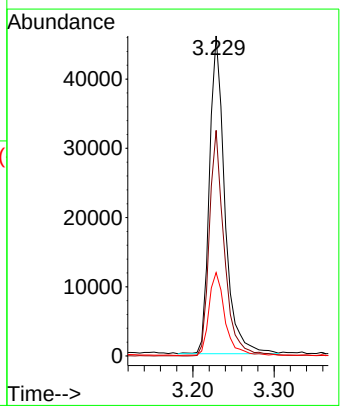


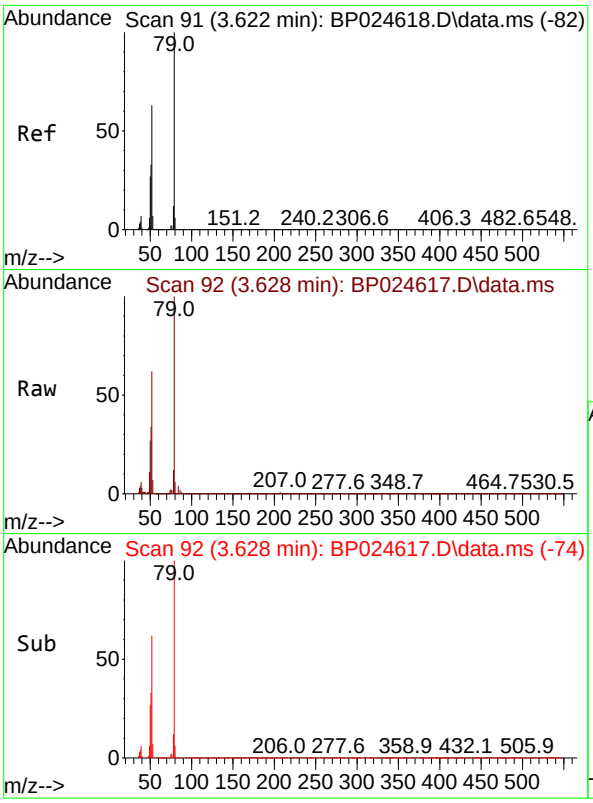




#2
1,4-Dioxane
Concen: 19.481 ng
RT: 3.229 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 88 Resp: 60251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 69.2 | 54.0 | 81.0 |
| 43 | 27.3 | 21.4 | 32.0 |



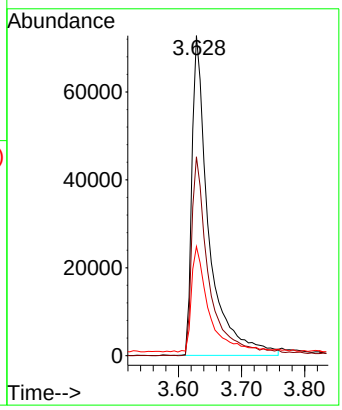


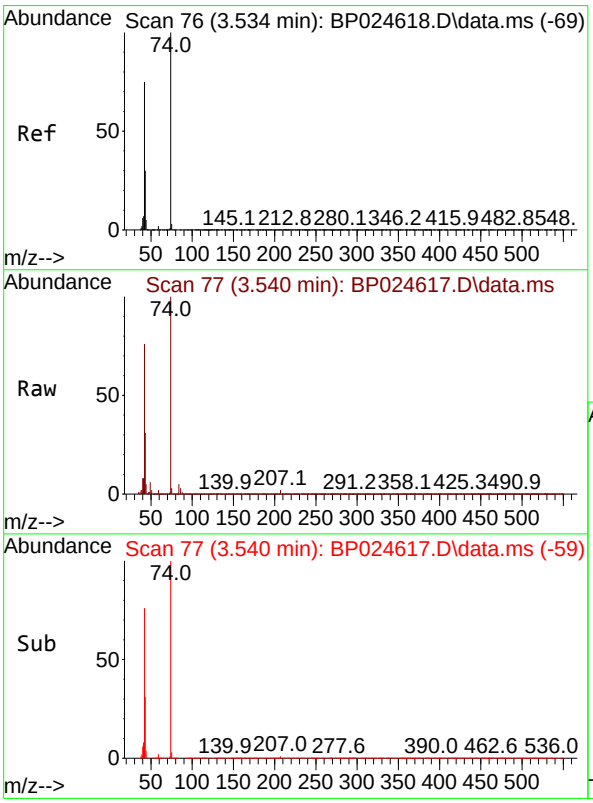

#3
Pyridine
Concen: 19.752 ng
RT: 3.628 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion: 79 Resp: 135451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 62.1 | 50.2 | 75.2 |
| 51 | 34.1 | 26.8 | 40.2 |

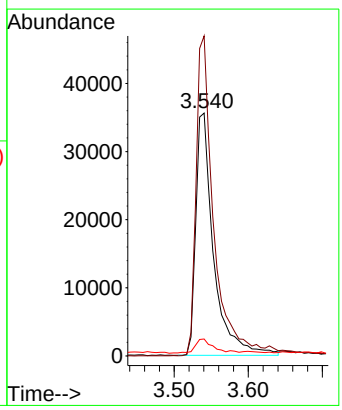


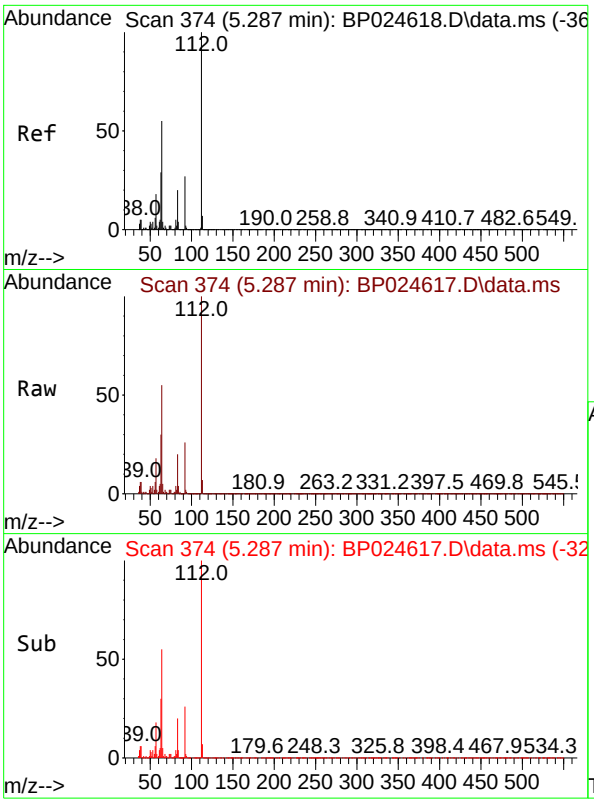




#4
n-Nitrosodimethylamine
Concen: 19.595 ng
RT: 3.540 min Scan# 77
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 42 Resp: 59324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 131.7 | 106.2 | 159.2 |
| 44 | 7.0 | 5.4 | 8.2 |



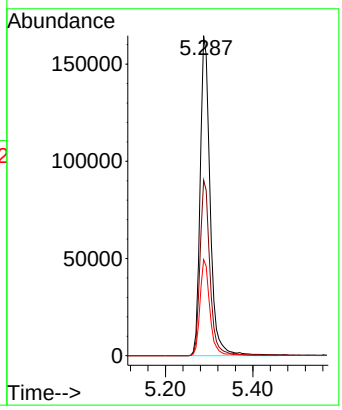


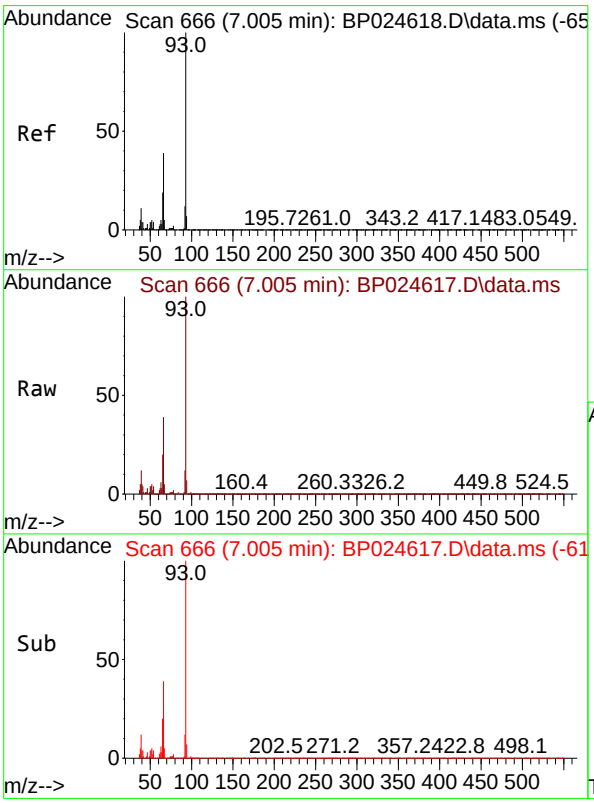

#5
2-Fluorophenol
Concen: 39.752 ng
RT: 5.287 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:112 Resp: 261821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.8 | 44.1 | 66.1 |
| 63 | 30.0 | 23.5 | 35.3 |

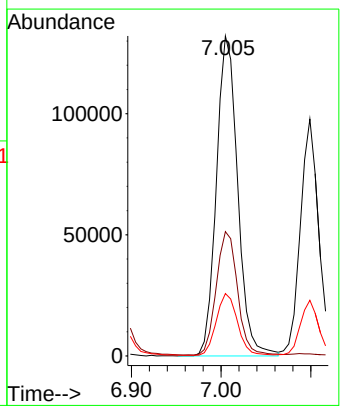


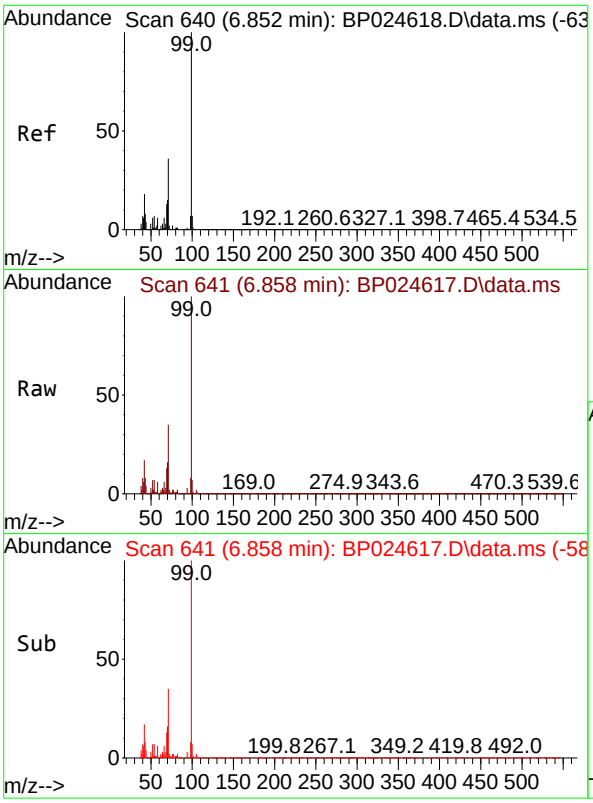




#6
Aniline
Concen: 20.054 ng
RT: 7.005 min Scan# 666
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 93 Resp: 217646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 38.8 | 31.0 | 46.6 |
| 65 | 19.5 | 15.5 | 23.3 |



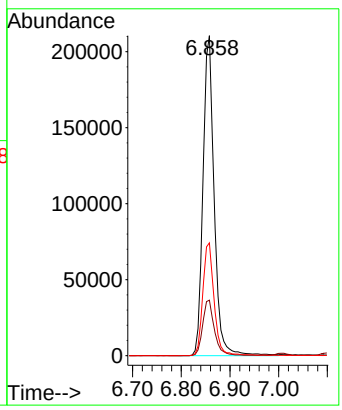


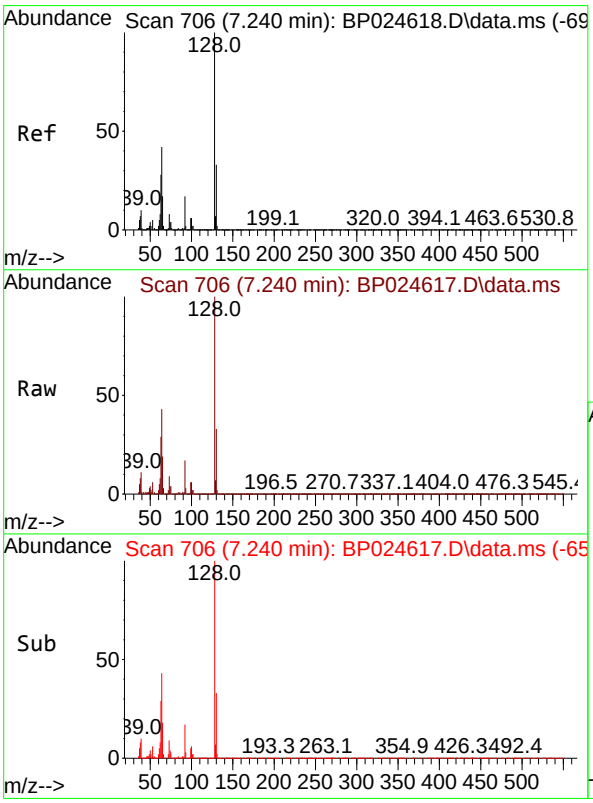

#7
Phenol-d6
Concen: 39.830 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion: 99 Resp: 334811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.4 | 14.4 | 21.6 |
| 71 | 35.3 | 29.2 | 43.8 |

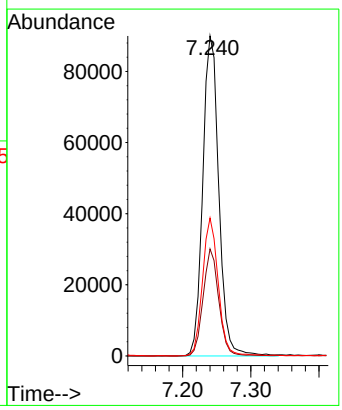


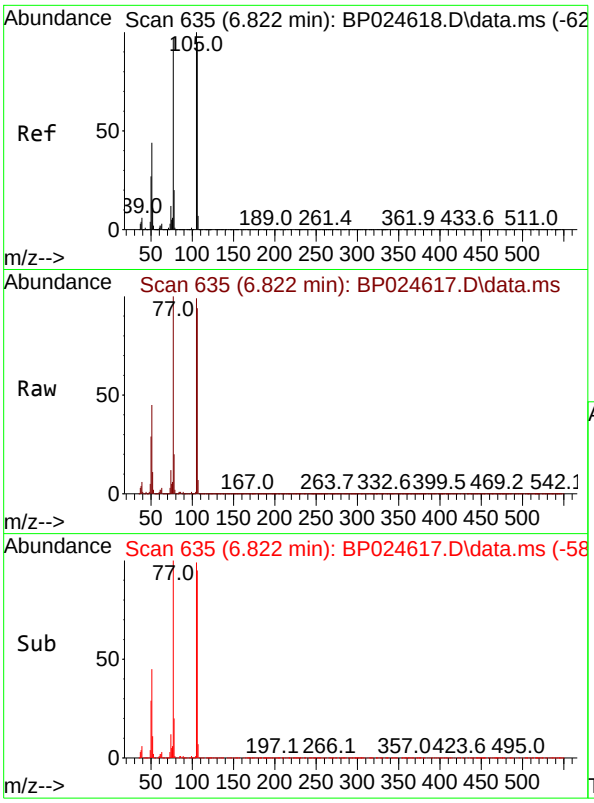




#8
2-Chlorophenol
Concen: 19.758 ng
RT: 7.240 min Scan# 706
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:128 Resp: 147726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.5 | 13.0 | 53.0 |
| 64 | 43.1 | 22.3 | 62.3 |



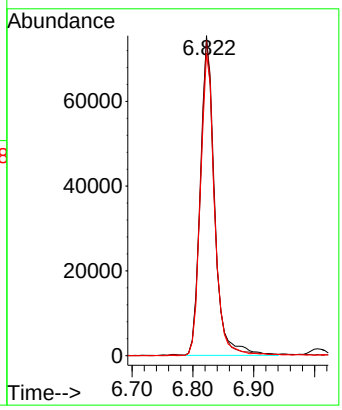


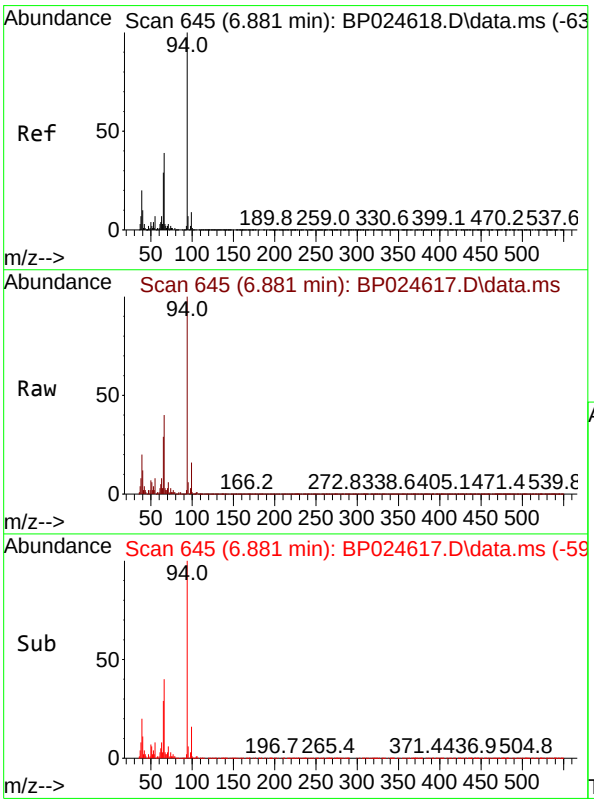

#9
Benzaldehyde
Concen: 22.255 ng
RT: 6.822 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion: 77 Resp: 120893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 98.5 | 83.3 | 123.3 |
| 106 | 94.4 | 78.0 | 118.0 |

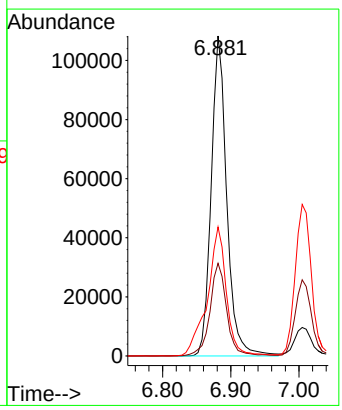


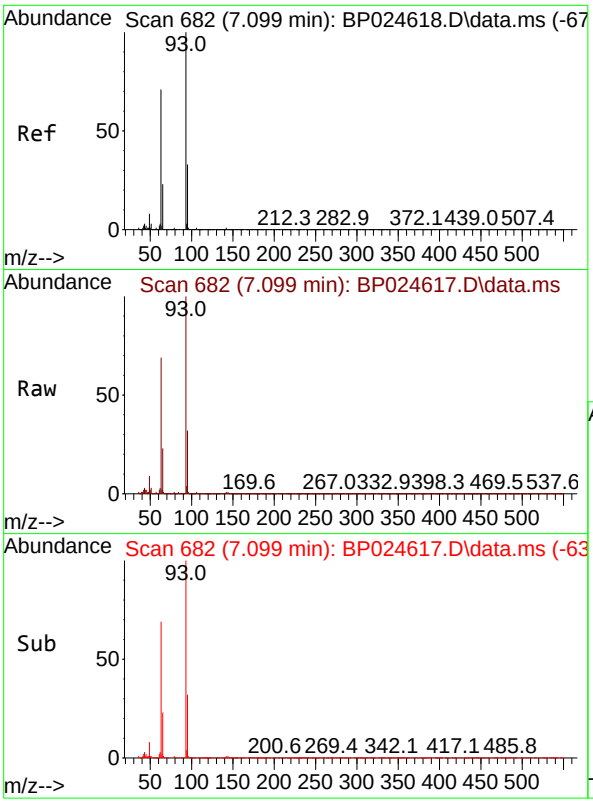




#10
Phenol
Concen: 19.819 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 94 Resp: 171949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.9 | 8.7 | 48.7 |
| 66 | 40.3 | 19.4 | 59.4 |



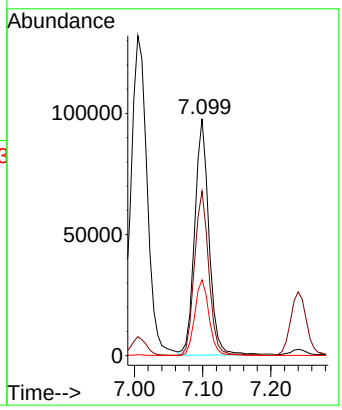


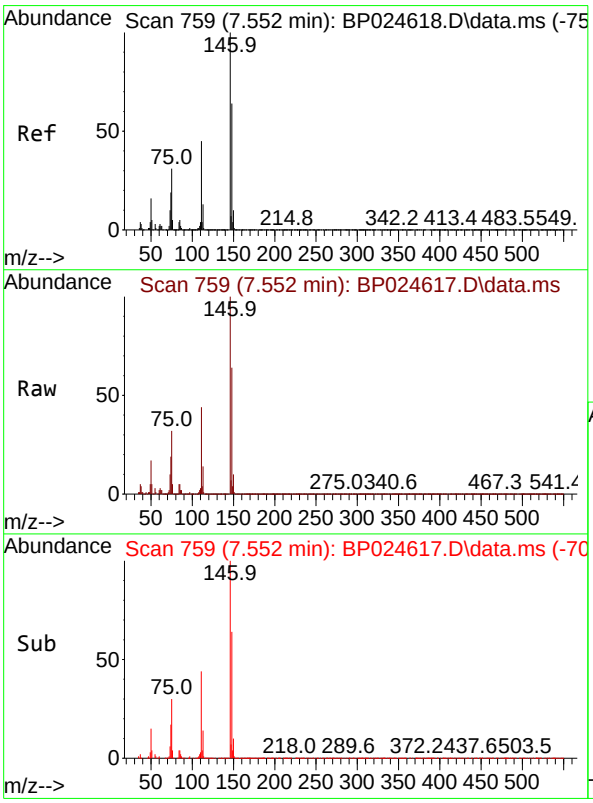

#11
bis(2-Chloroethyl)ether
Concen: 19.862 ng
RT: 7.099 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion: 93 Resp: 141599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 69.4 | 50.6 | 90.6 |
| 95 | 32.0 | 12.9 | 52.9 |

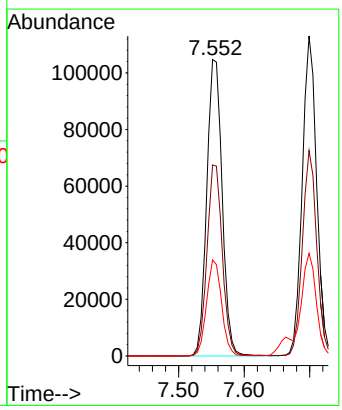


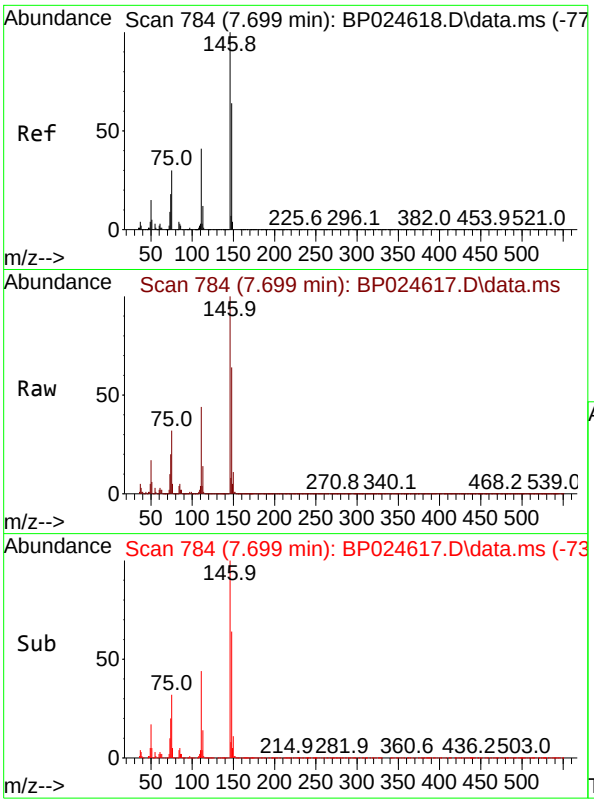




#12
1,3-Dichlorobenzene
Concen: 19.910 ng
RT: 7.552 min Scan# 759
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:146 Resp: 171270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 51.4 | 77.2 |
| 75 | 32.4 | 25.2 | 37.8 |



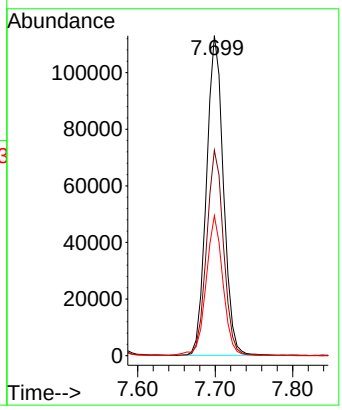


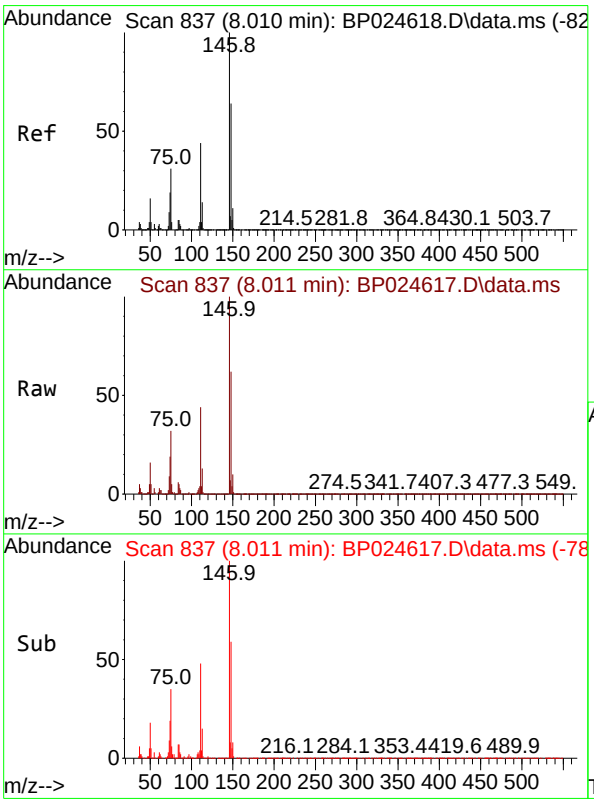

#13
1,4-Dichlorobenzene
Concen: 19.852 ng
RT: 7.699 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:146 Resp: 171756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.0 | 76.6 |
| 111 | 43.7 | 33.0 | 49.6 |

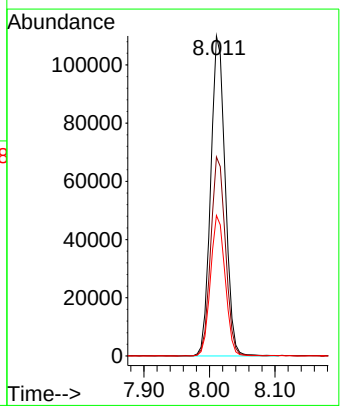


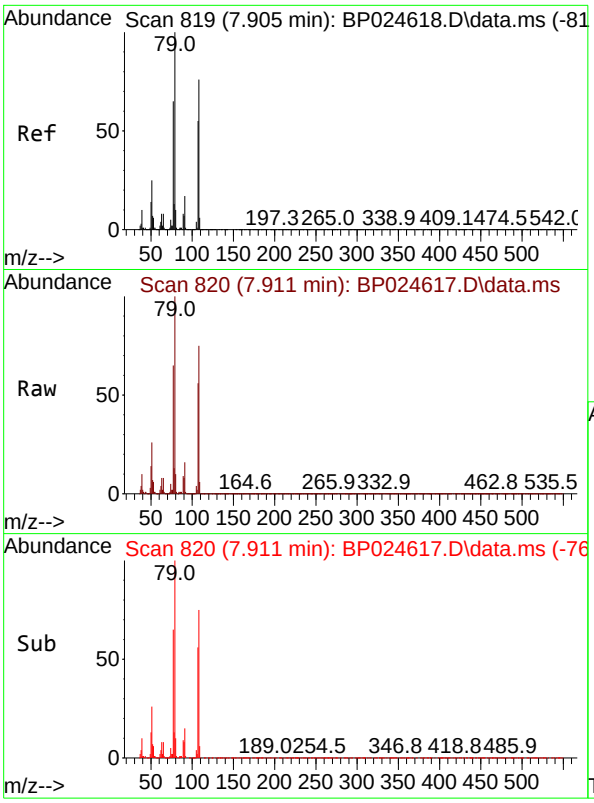




#14
1,2-Dichlorobenzene
Concen: 20.022 ng
RT: 8.011 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:146 Resp: 168795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.2 | 51.0 | 76.4 |
| 111 | 43.9 | 35.2 | 52.8 |



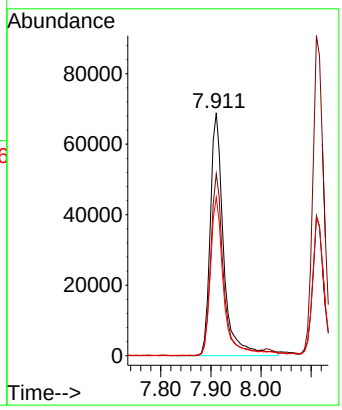


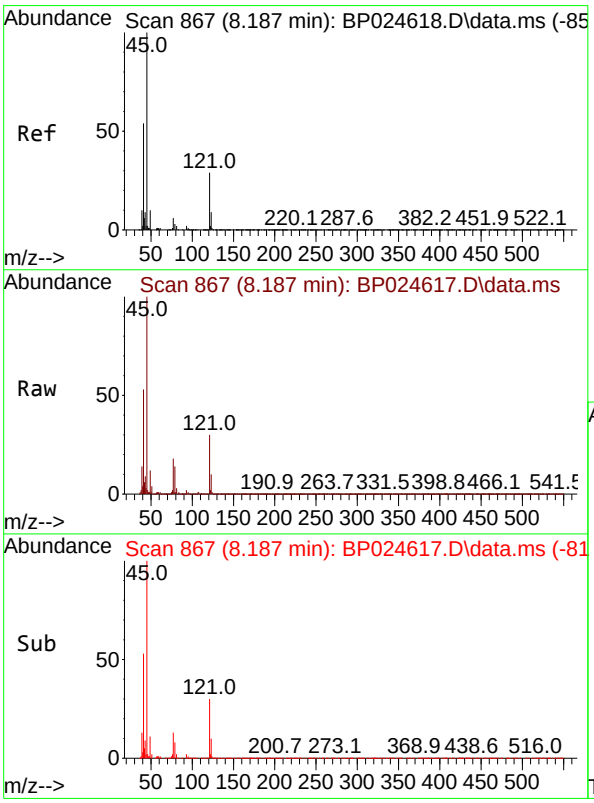

#15
Benzyl Alcohol
Concen: 19.893 ng
RT: 7.911 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion: 79 Resp: 127076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 74.8 | 60.8 | 91.2 |
| 77 | 65.1 | 51.9 | 77.9 |

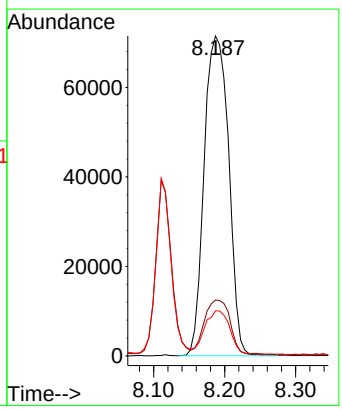


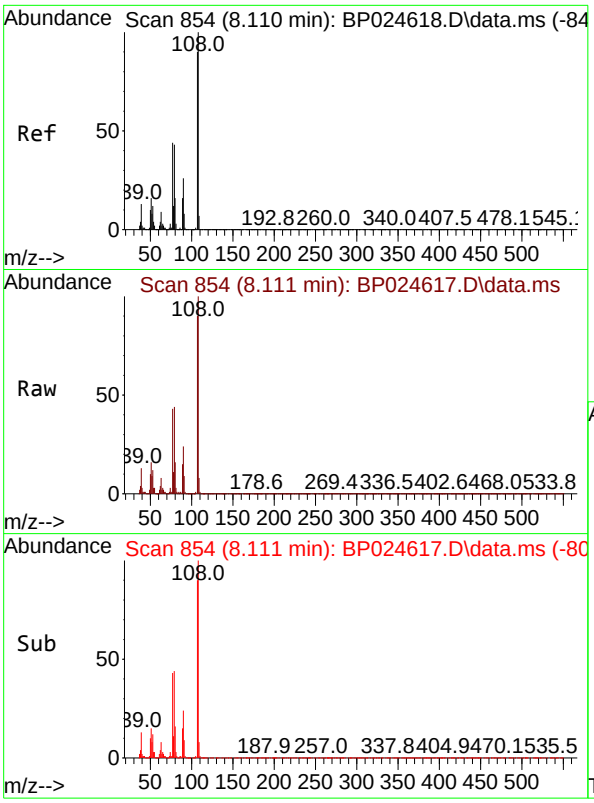




#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.061 ng
RT: 8.187 min Scan# 867
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 45 Resp: 171274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 17.5 | 0.0 | 37.7 |
| 79 | 14.1 | 0.0 | 34.0 |



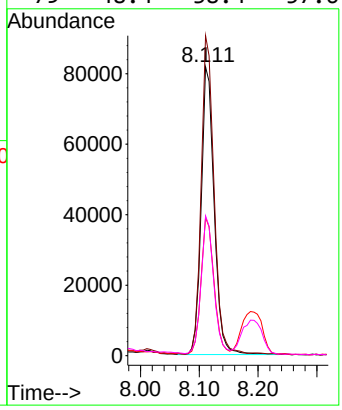


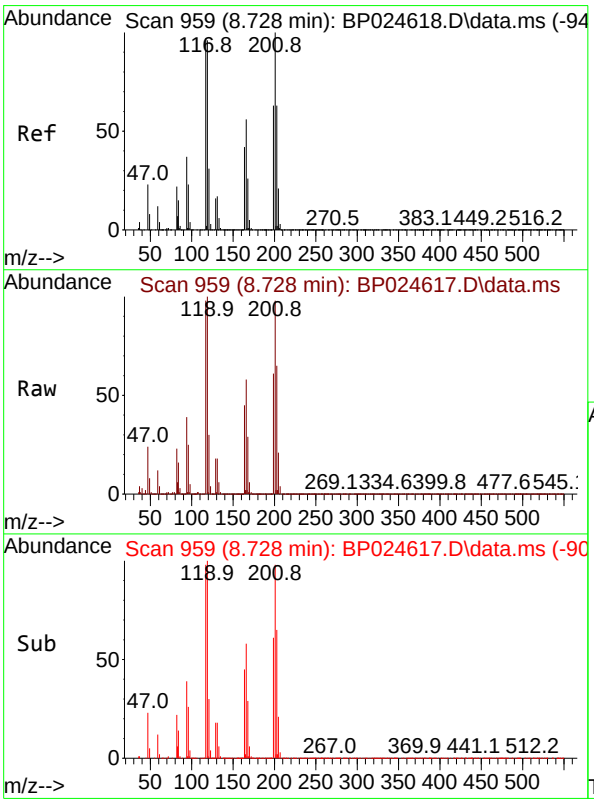

#17
2-Methylphenol
Concen: 20.008 ng
RT: 8.111 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:107 Resp: 124506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 110.8 | 88.9 | 133.3 |
| 77 | 47.9 | 39.0 | 58.6 |
| 79 | 48.4 | 38.4 | 57.6 |

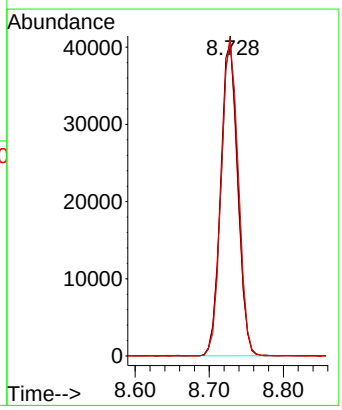


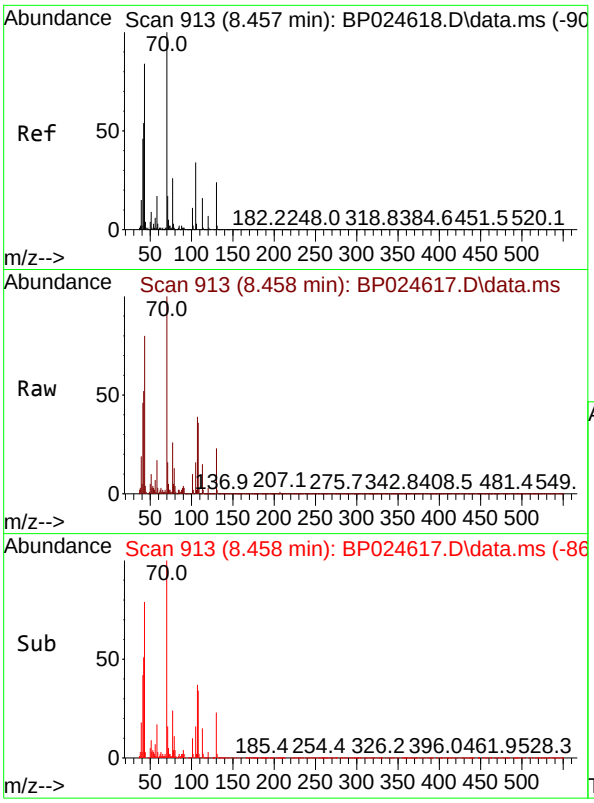




#18
Hexachloroethane
Concen: 19.764 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:117 Resp: 65527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 102.4 | 79.4 | 119.0 |
| 201 | 100.8 | 82.7 | 124.1 |



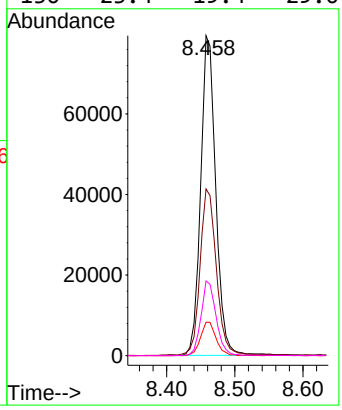


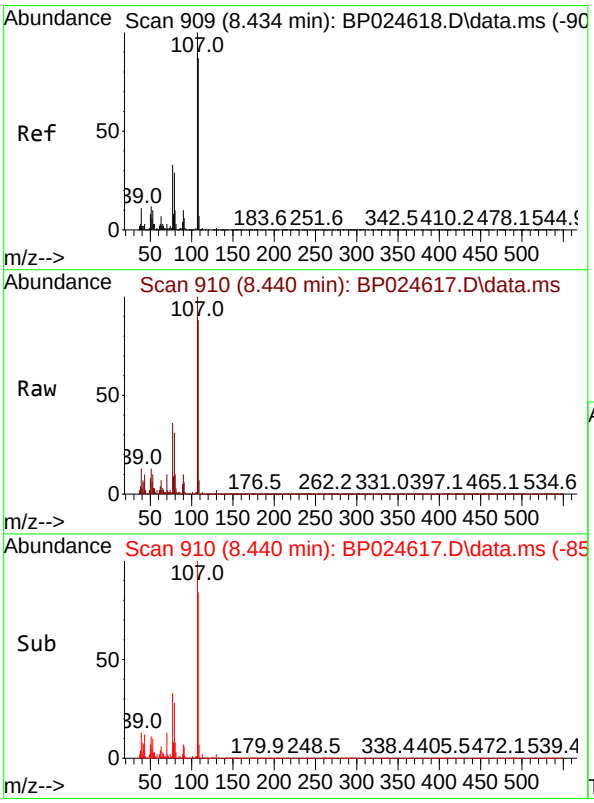

#19
n-Nitroso-di-n-propylamine
Concen: 21.048 ng
RT: 8.458 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion: 70 Resp: 122386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 52.1 | 43.0 | 64.6 |
| 101 | 10.5 | 8.7 | 13.1 |
| 130 | 23.4 | 19.4 | 29.0 |

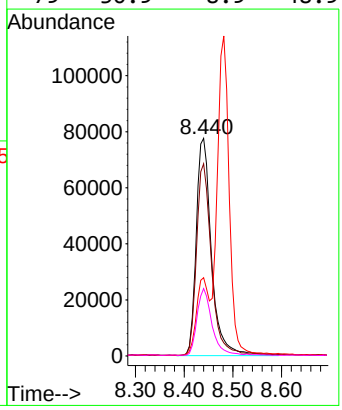


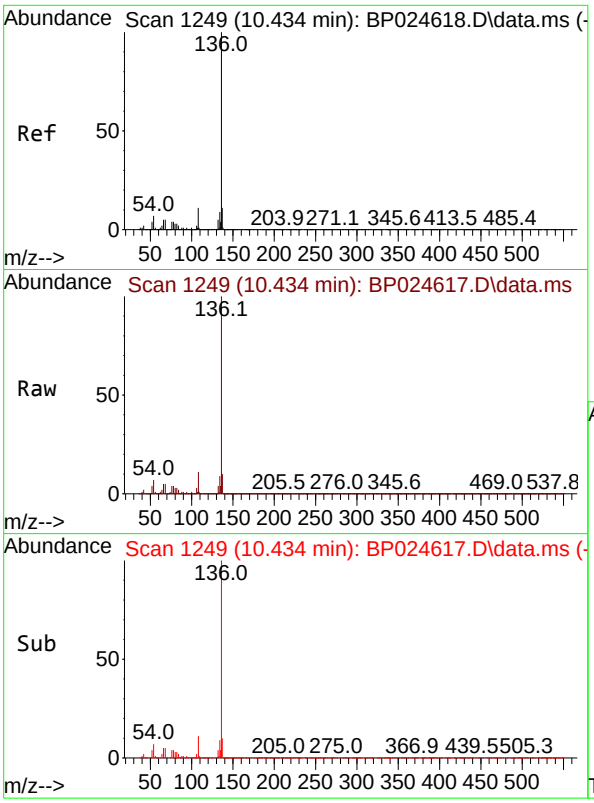




#20
3+4-Methylphenols
Concen: 19.997 ng
RT: 8.440 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:107 Resp: 169264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.3 | 66.7 | 106.7 |
| 77 | 35.9 | 13.1 | 53.1 |
| 79 | 30.9 | 8.9 | 48.9 |



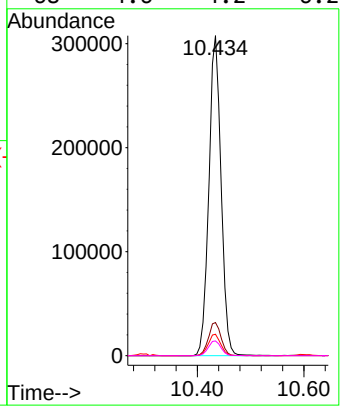


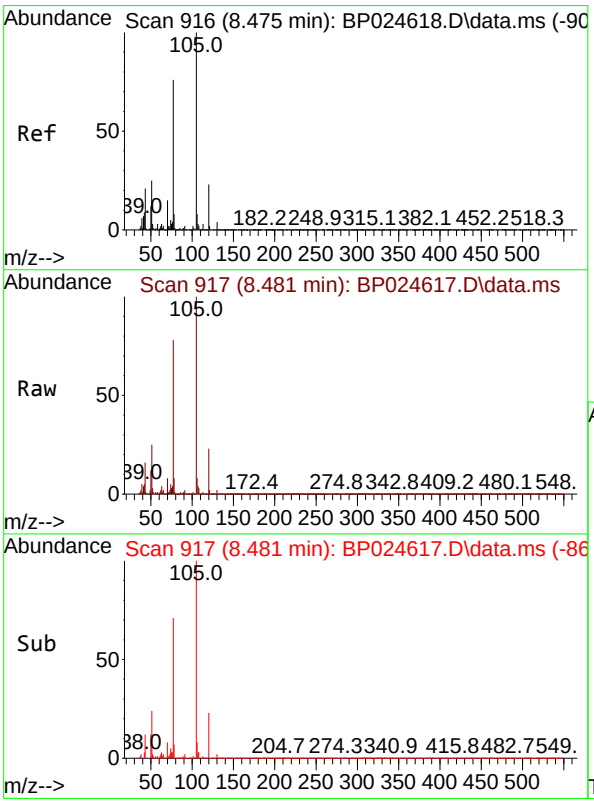

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:136 Resp: 488721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.3 | 8.8 | 13.2 |
| 54 | 6.7 | 5.5 | 8.3 |
| 68 | 4.6 | 4.2 | 6.2 |

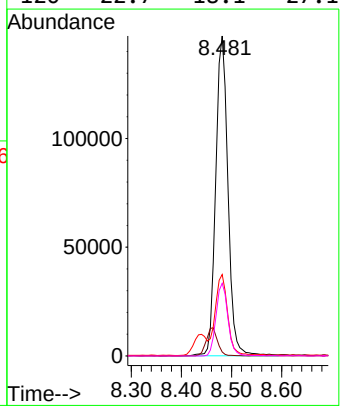


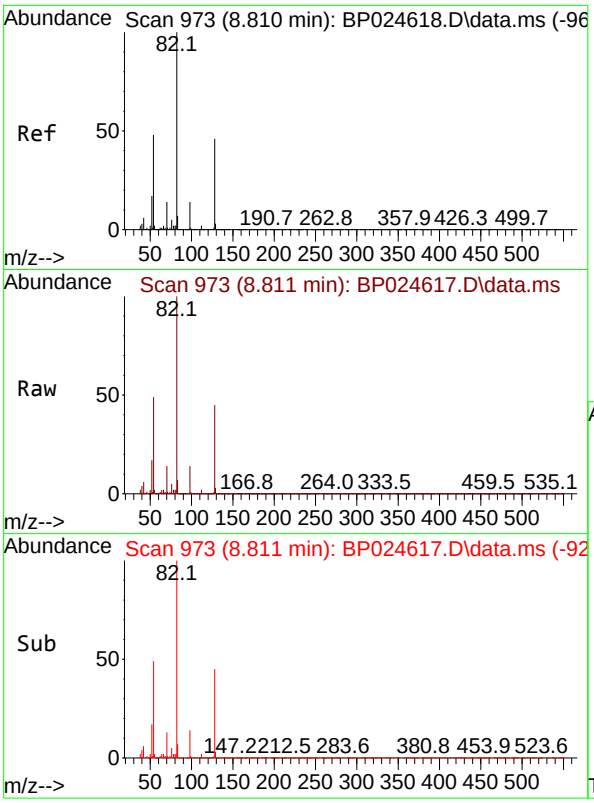




#22
Acetophenone
Concen: 20.453 ng
RT: 8.481 min Scan# 917
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:105 Resp: 249692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 1.2 | 2.0 | 3.0# |
| 51 | 25.5 | 20.4 | 30.6 |
| 120 | 22.7 | 18.1 | 27.1 |



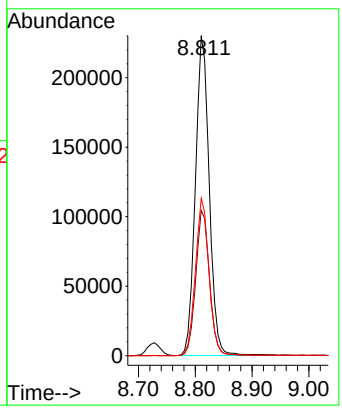


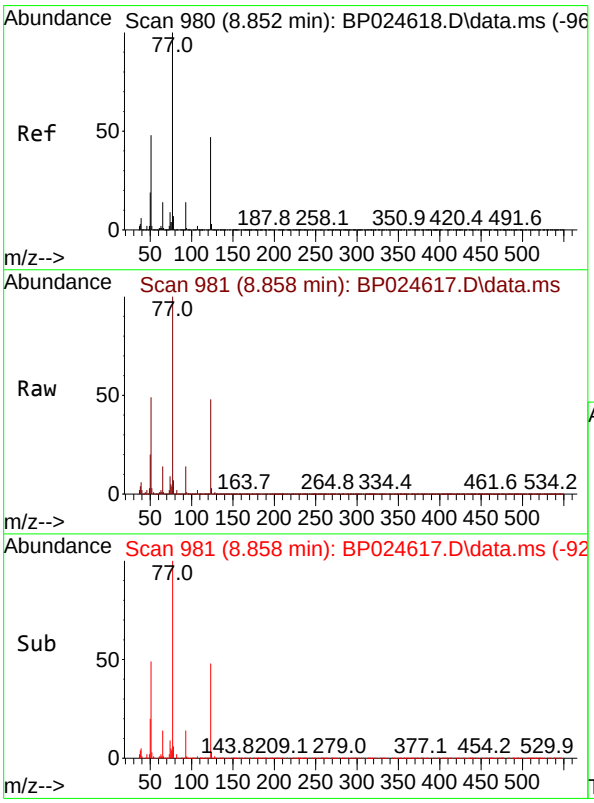

#23
Nitrobenzene-d5
Concen: 40.500 ng
RT: 8.811 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion: 82 Resp: 391739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.4 | 37.0 | 55.4 |
| 54 | 49.1 | 38.7 | 58.1 |

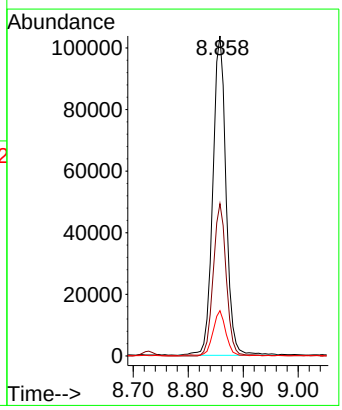


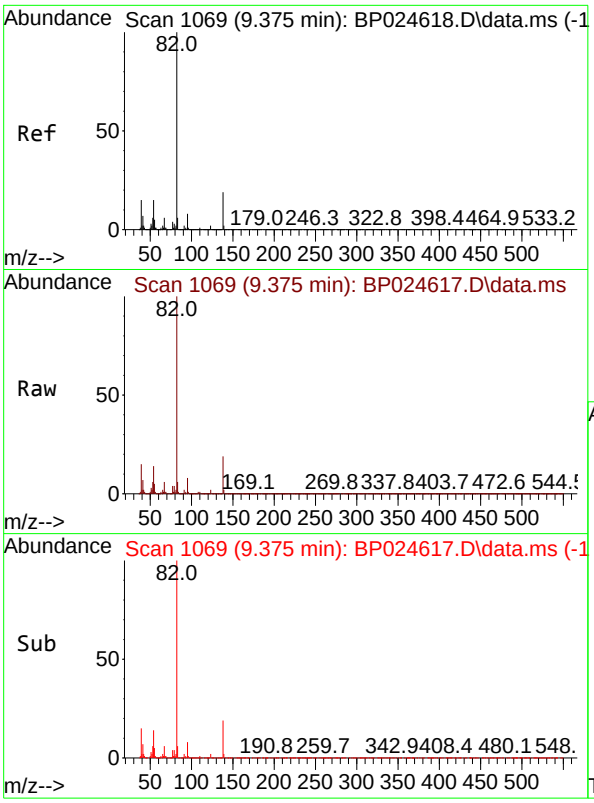




#24
Nitrobenzene
Concen: 20.405 ng
RT: 8.858 min Scan# 981
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 77 Resp: 173686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.6 | 37.4 | 56.0 |
| 65 | 14.1 | 11.3 | 16.9 |



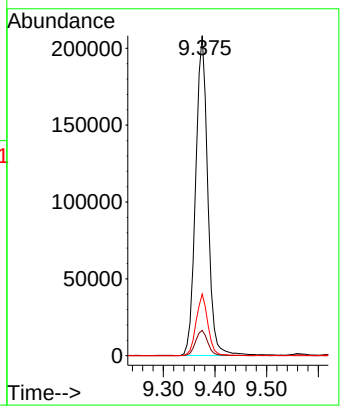


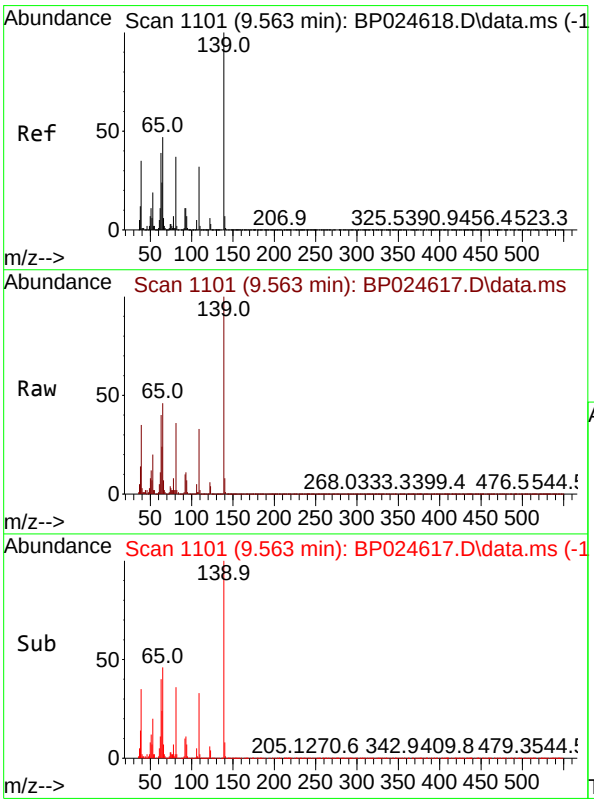

#25
Isophorone
Concen: 20.246 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion: 82 Resp: 339697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.9 | 6.3 | 9.5 |
| 138 | 19.3 | 15.3 | 22.9 |

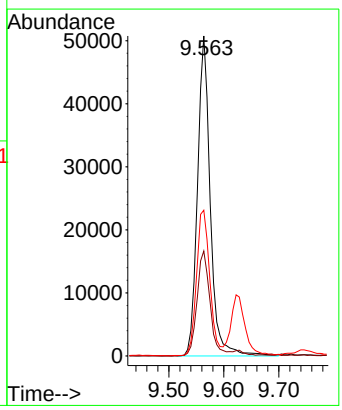


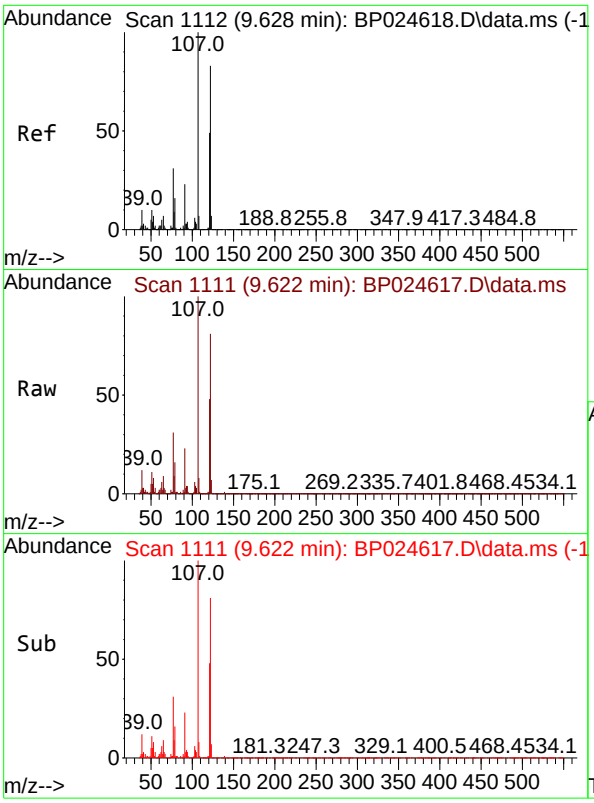




#26
2-Nitrophenol
Concen: 19.726 ng
RT: 9.563 min Scan# 1101
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:139 Resp: 82278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.8 | 25.9 | 38.9 |
| 65 | 45.6 | 37.9 | 56.9 |



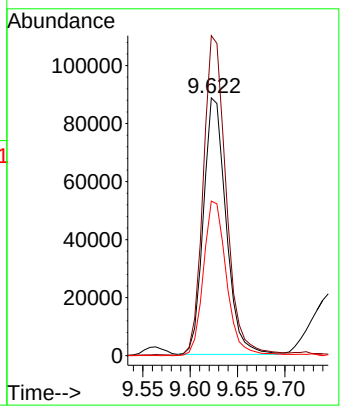


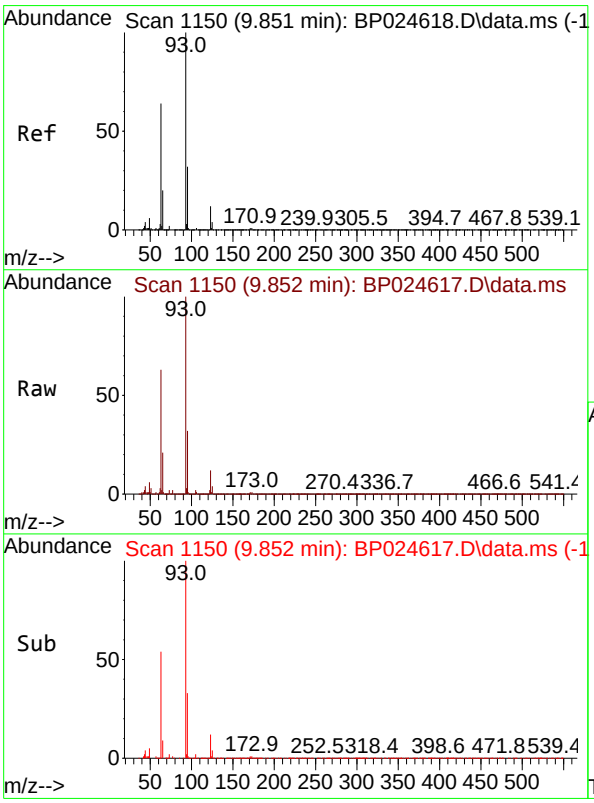

#27
2,4-Dimethylphenol
Concen: 19.965 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:122 Resp: 146819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 124.1 | 96.2 | 144.2 |
| 121 | 60.0 | 47.6 | 71.4 |

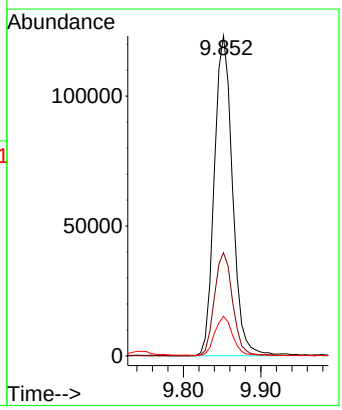


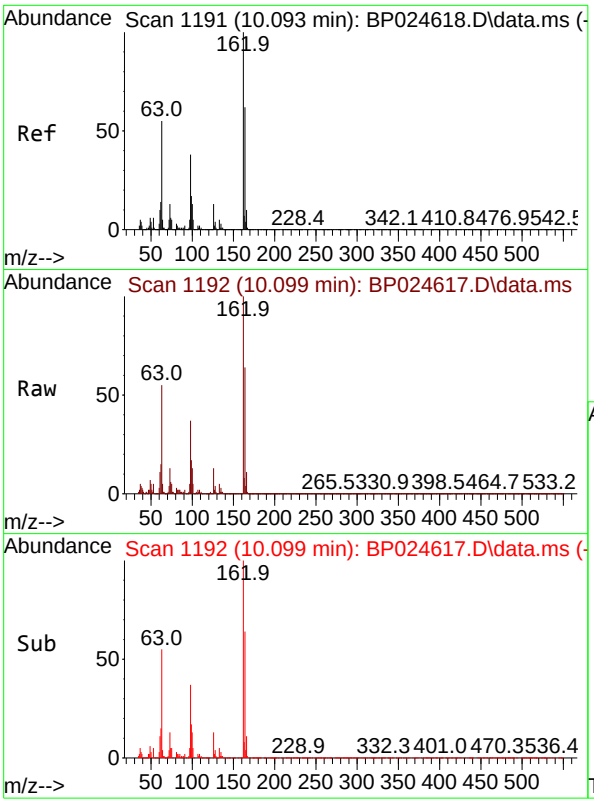




#28
bis(2-Chloroethoxy)methane
Concen: 20.039 ng
RT: 9.852 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 93 Resp: 200872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.3 | 25.5 | 38.3 |
| 123 | 12.4 | 9.7 | 14.5 |



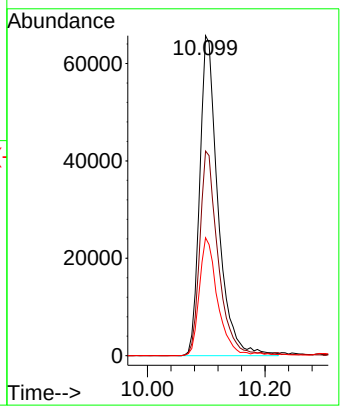


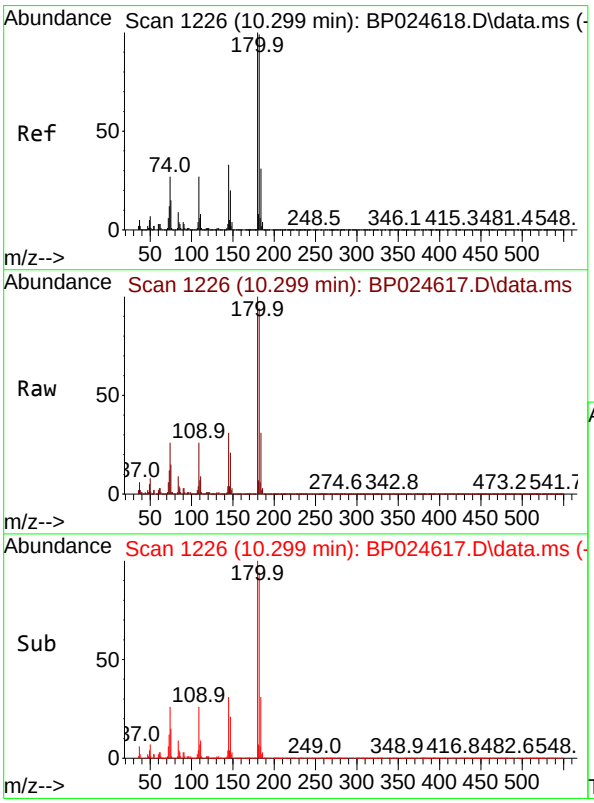

#29
2,4-Dichlorophenol
Concen: 19.896 ng
RT: 10.099 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:162 Resp: 141785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.0 | 42.3 | 82.3 |
| 98 | 36.8 | 18.4 | 58.4 |

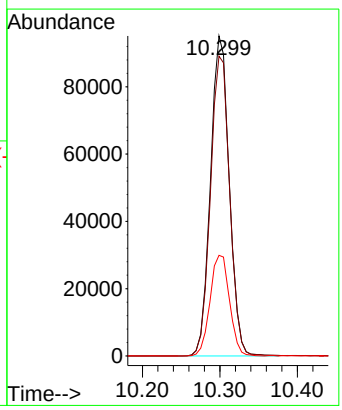


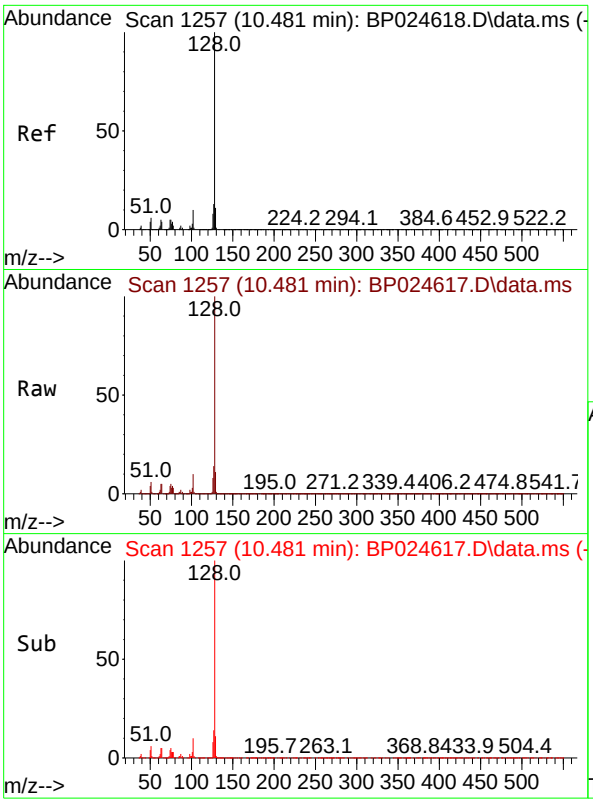




#30
1,2,4-Trichlorobenzene
Concen: 19.924 ng
RT: 10.299 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:180 Resp: 159998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.7 | 79.0 | 118.4 |
| 145 | 31.5 | 26.6 | 39.8 |



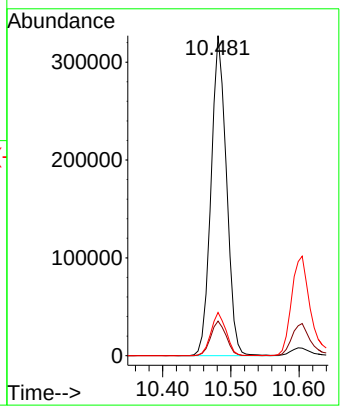


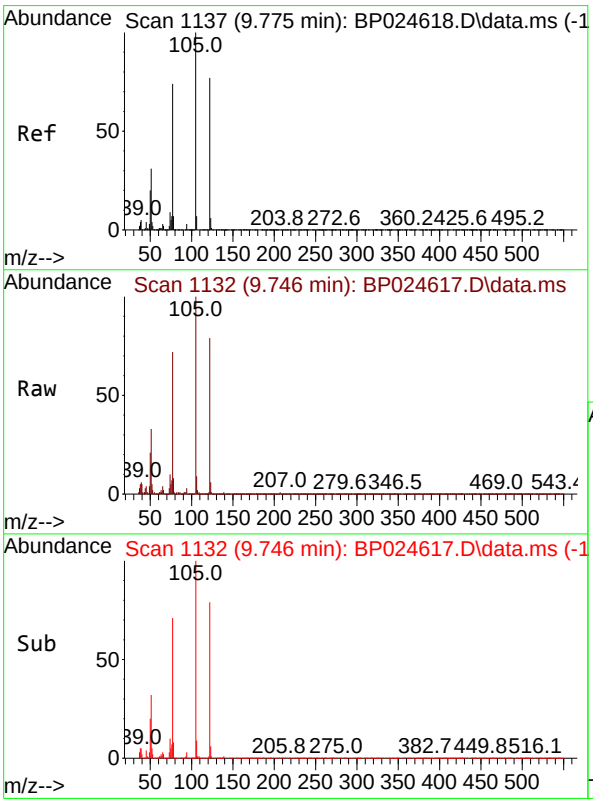

#31
Naphthalene
Concen: 20.251 ng
RT: 10.481 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:128 Resp: 512888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.8 | 13.2 |
| 127 | 13.5 | 10.7 | 16.1 |

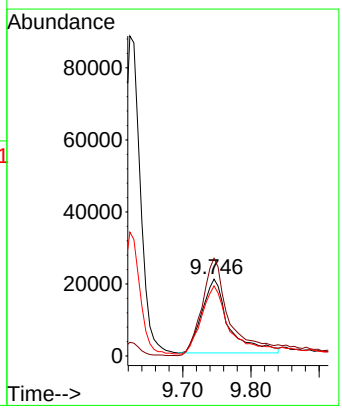


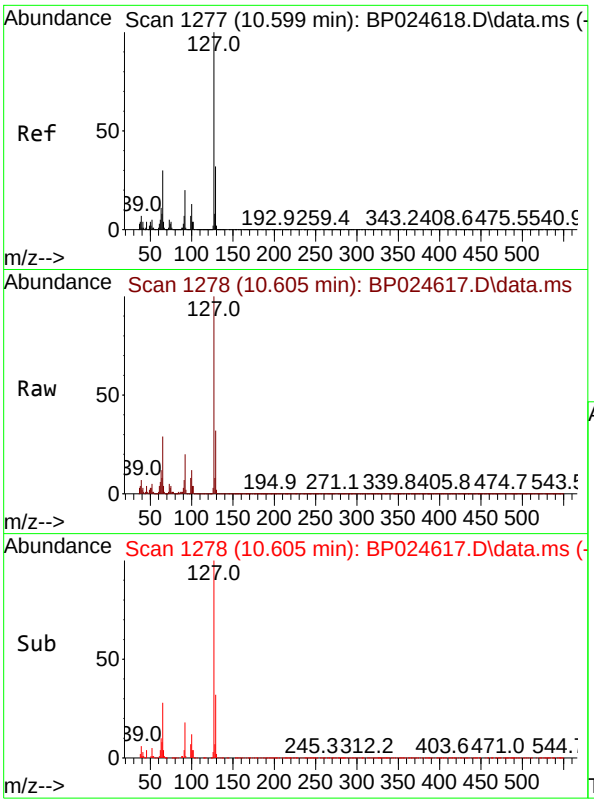




#32
Benzoic acid
Concen: 16.180 ng
RT: 9.746 min Scan# 1132
Delta R.T. -0.029 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:122 Resp: 56285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 127.1 | 106.9 | 146.9 |
| 77 | 91.3 | 75.1 | 115.1 |



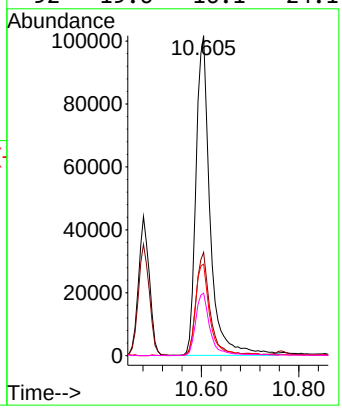


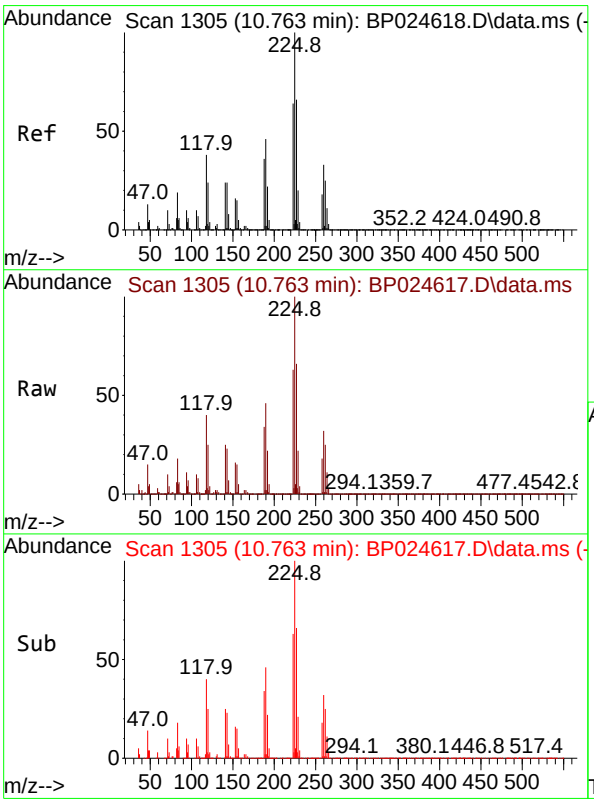

#33
4-Chloroaniline
Concen: 20.102 ng
RT: 10.605 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:127 Resp: 205433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.3 | 25.8 | 38.6 |
| 65 | 28.6 | 23.9 | 35.9 |
| 92 | 19.6 | 16.1 | 24.1 |

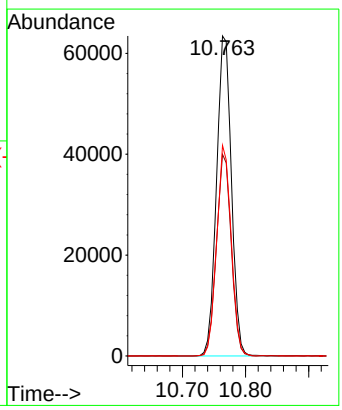


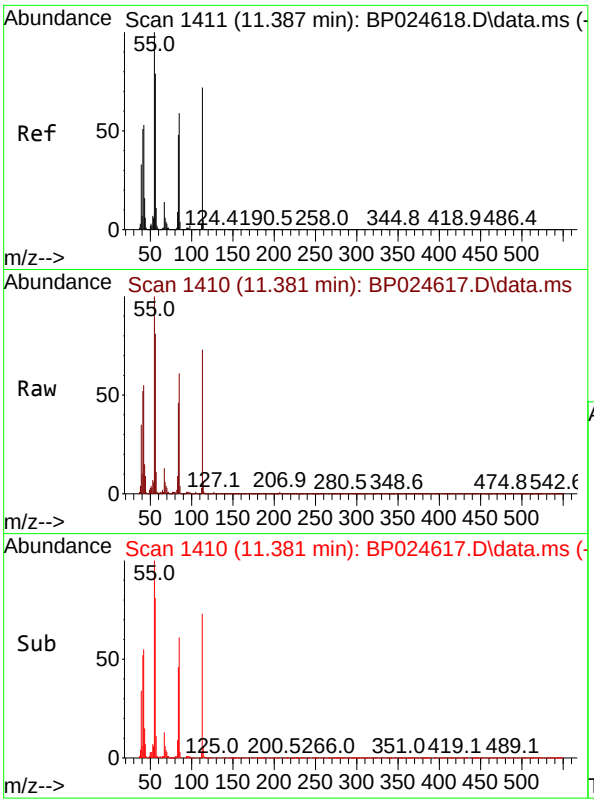




#34
Hexachlorobutadiene
Concen: 19.869 ng
RT: 10.763 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:225 Resp: 103364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.0 | 51.0 | 76.6 |
| 227 | 65.8 | 53.1 | 79.7 |



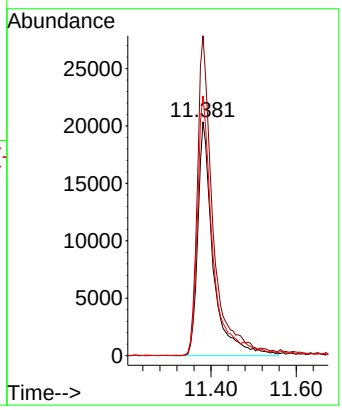


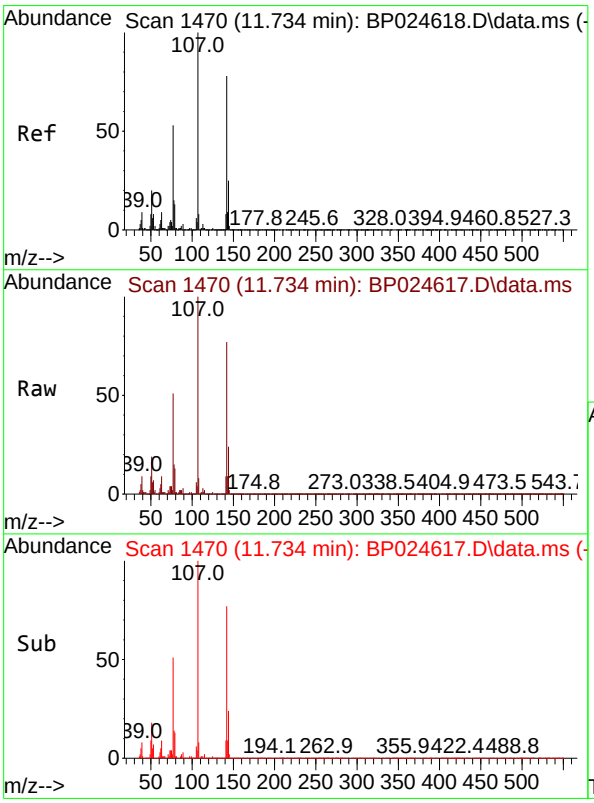

#35
Caprolactam
Concen: 19.683 ng
RT: 11.381 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:113 Resp: 50721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 136.8 | 119.0 | 159.0 |
| 56 | 111.1 | 90.3 | 130.3 |

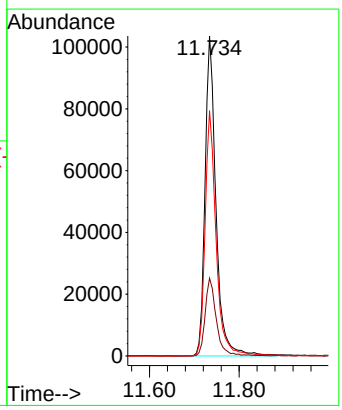


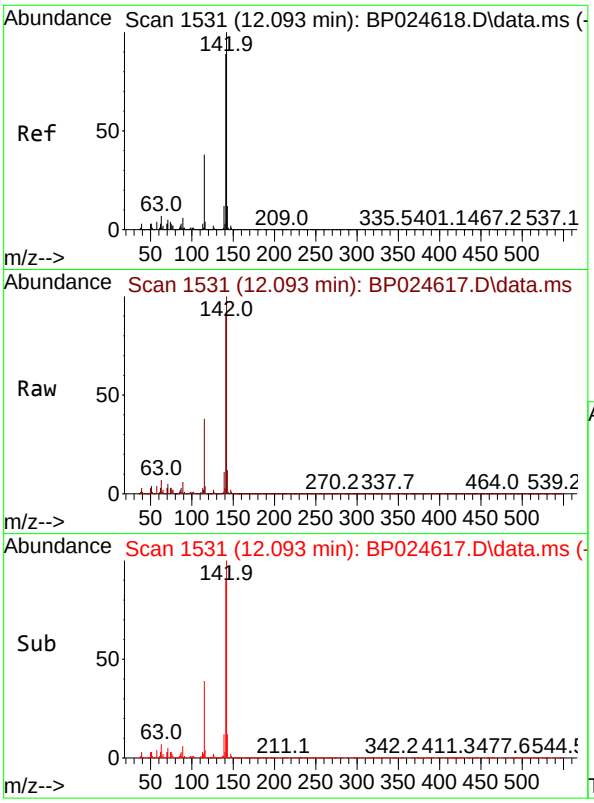




#36
4-Chloro-3-methylphenol
Concen: 20.118 ng
RT: 11.734 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:107 Resp: 174840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.3 | 20.1 | 30.1 |
| 142 | 76.6 | 62.1 | 93.1 |



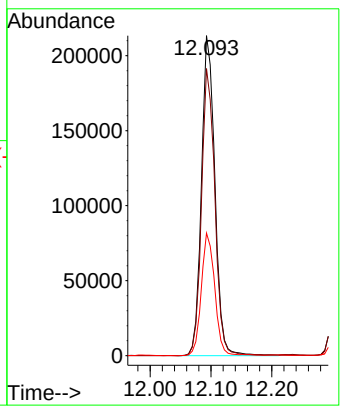


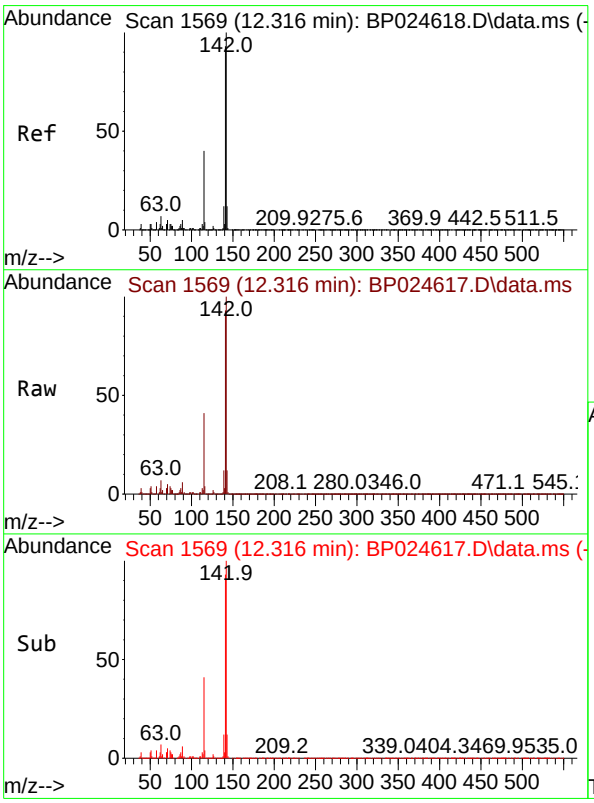

#37
2-Methylnaphthalene
Concen: 19.968 ng
RT: 12.093 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:142 Resp: 327447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.7 | 71.2 | 106.8 |
| 115 | 38.3 | 30.6 | 46.0 |

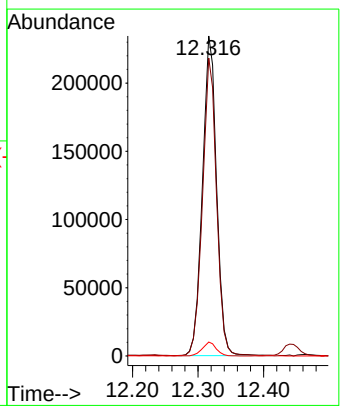


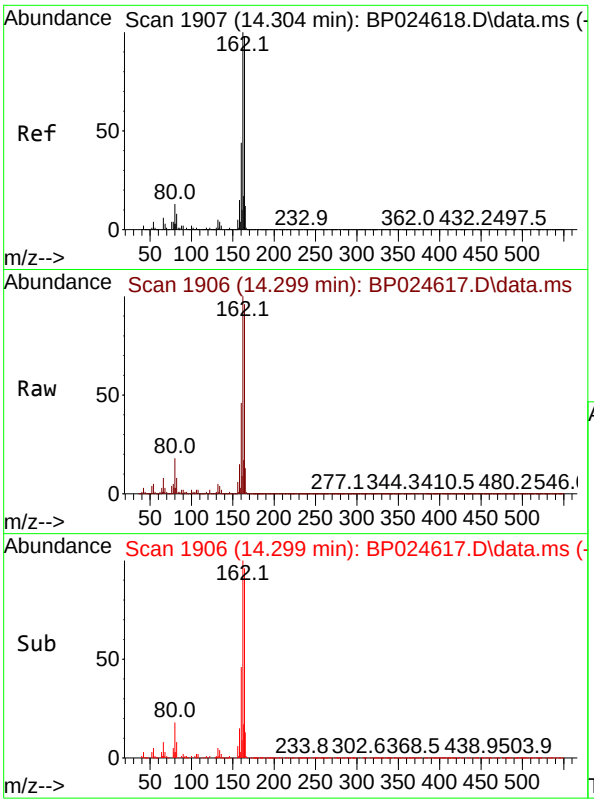




#38
1-Methylnaphthalene
Concen: 20.066 ng
RT: 12.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:142 Resp: 352091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.1 | 74.7 | 112.1 |
| 116 | 4.4 | 3.4 | 5.2 |



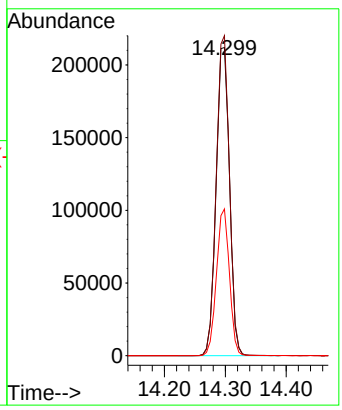


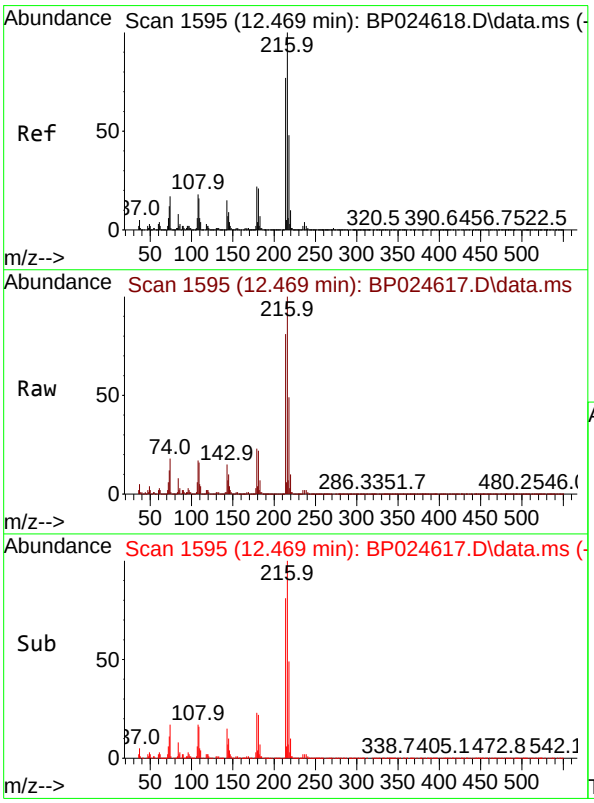

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.299 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:164 Resp: 323928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.8 | 81.8 | 122.6 |
| 160 | 47.6 | 36.3 | 54.5 |

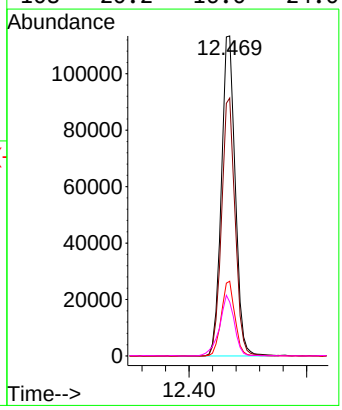


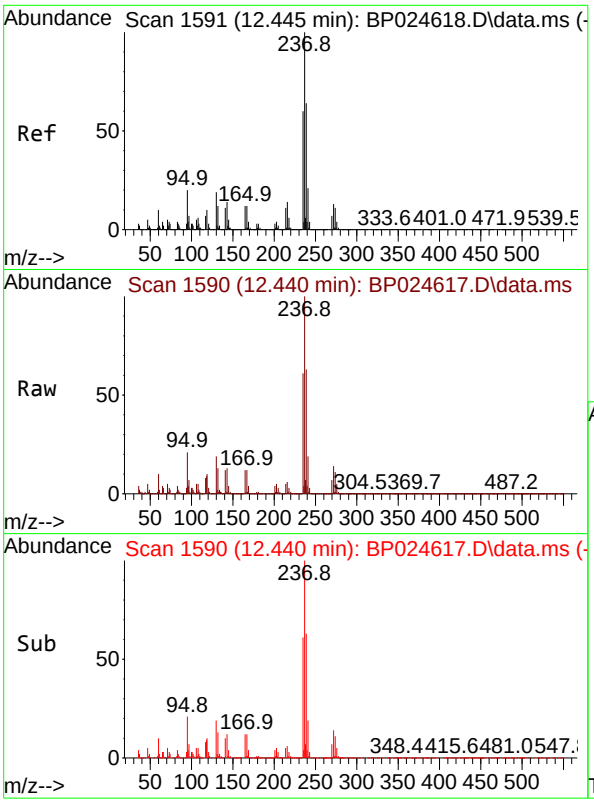




#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.772 ng
RT: 12.469 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:216 Resp: 185982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.1 | 62.3 | 93.5 |
| 179 | 22.9 | 17.7 | 26.5 |
| 108 | 20.2 | 16.0 | 24.0 |



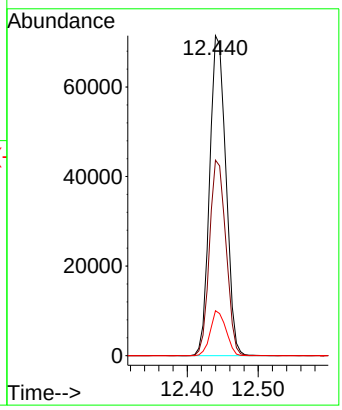


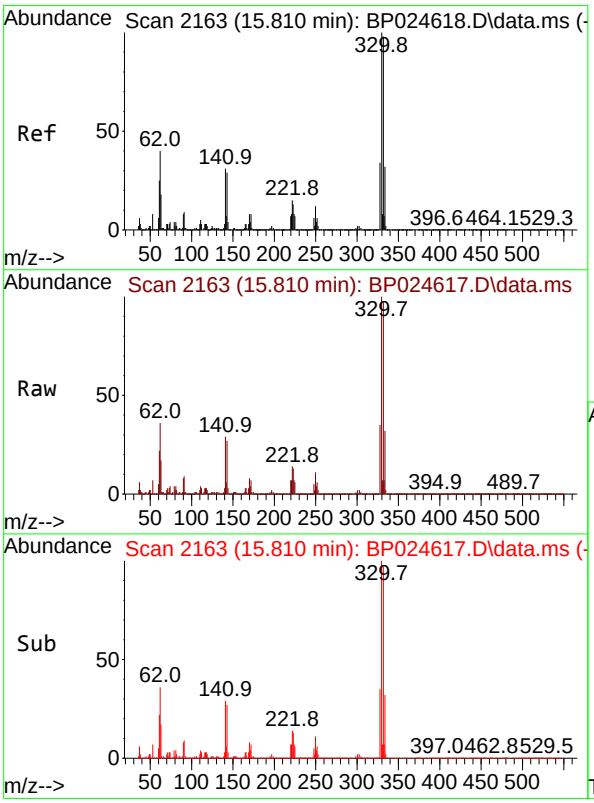

#41
Hexachlorocyclopentadiene
Concen: 19.899 ng
RT: 12.440 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:237 Resp: 113499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.1 | 39.9 | 79.9 |
| 272 | 14.0 | 0.0 | 33.2 |

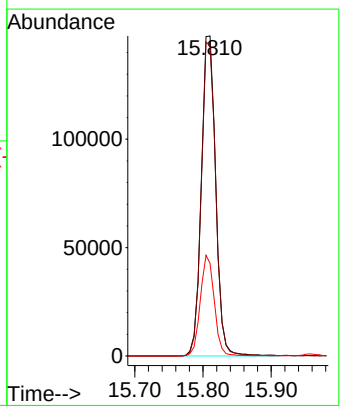


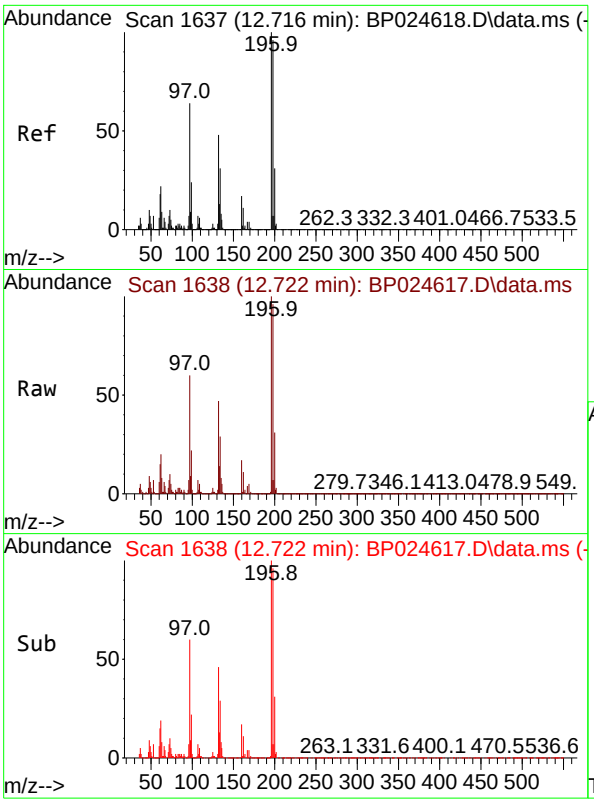




#42
2,4,6-Tribromophenol
Concen: 39.532 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:330 Resp: 217092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.8 | 78.2 | 117.4 |
| 141 | 30.5 | 24.3 | 36.5 |



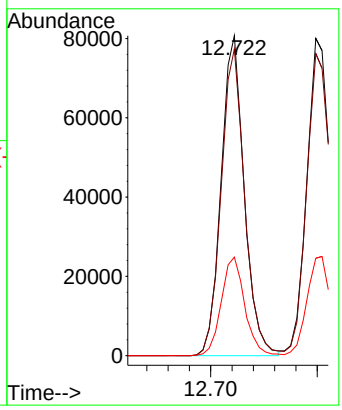


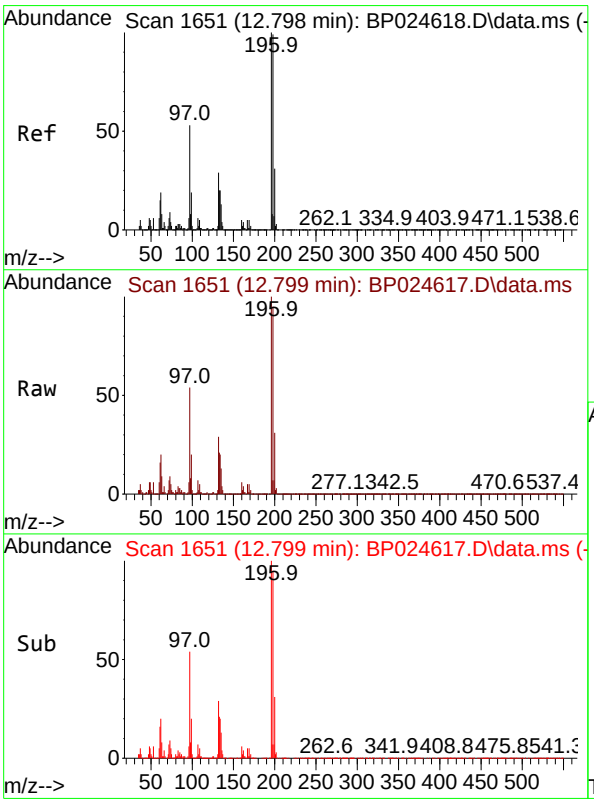

#43
2,4,6-Trichlorophenol
Concen: 19.945 ng
RT: 12.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:196 Resp: 121520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.8 | 76.9 | 115.3 |
| 200 | 30.8 | 25.2 | 37.8 |

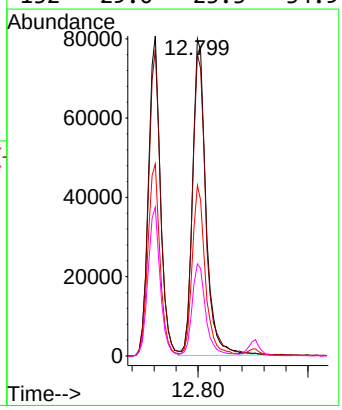


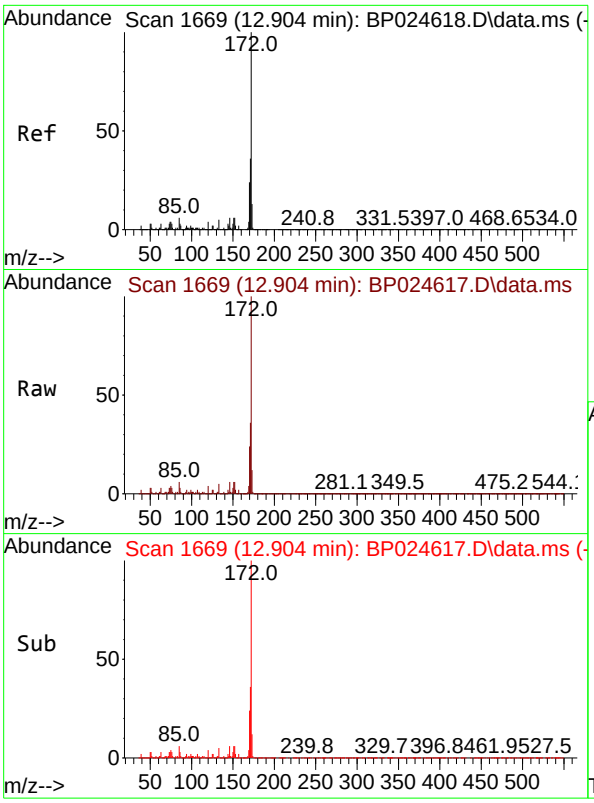




#44
2,4,5-Trichlorophenol
Concen: 19.951 ng
RT: 12.799 min Scan# 1651
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:196 Resp: 135306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.2 | 79.2 | 118.8 |
| 97 | 53.8 | 42.3 | 63.5 |
| 132 | 29.0 | 23.3 | 34.9 |



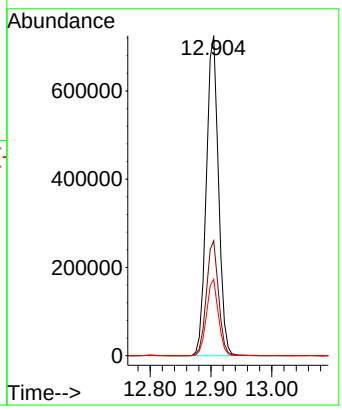


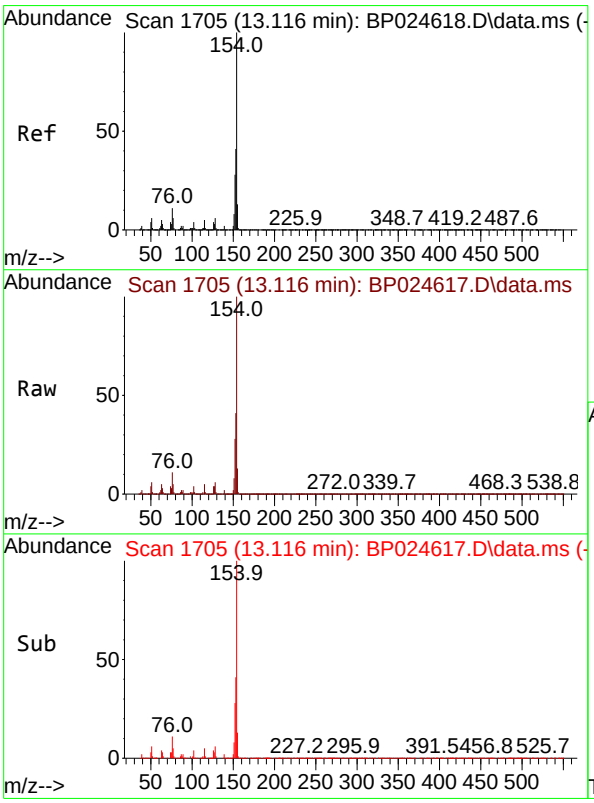

#45
2-Fluorobiphenyl
Concen: 40.694 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:172 Resp: 1006150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.9 | 28.8 | 43.2 |
| 170 | 23.8 | 18.8 | 28.2 |

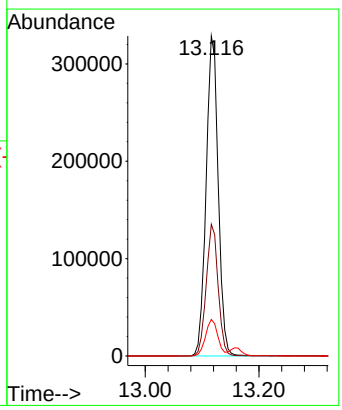


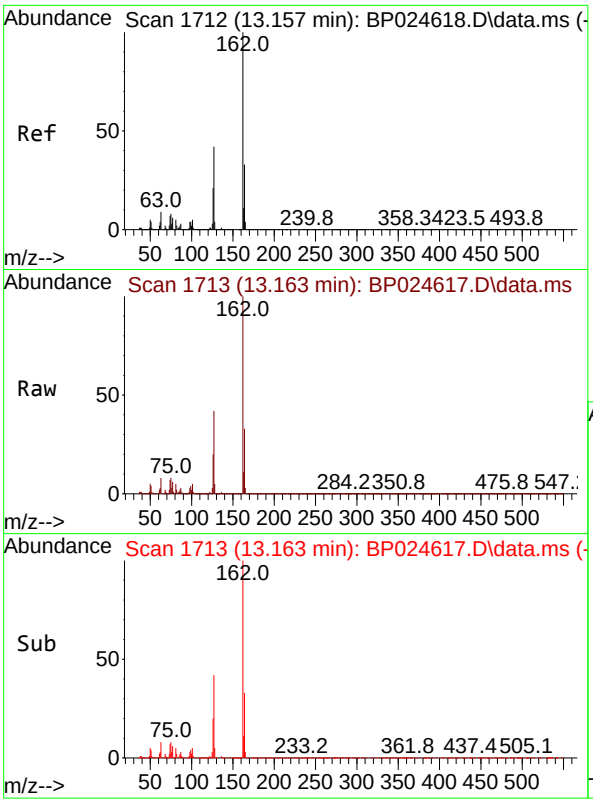




#46
1,1'-Biphenyl
Concen: 20.189 ng
RT: 13.116 min Scan# 1705
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:154 Resp: 483352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.2 | 21.0 | 61.0 |
| 76 | 11.4 | 0.0 | 31.5 |



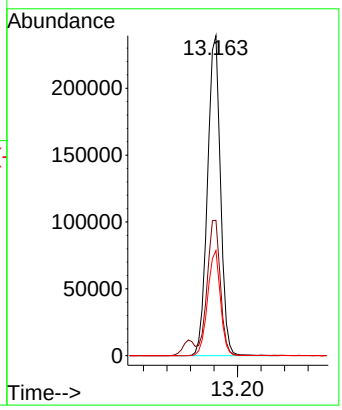


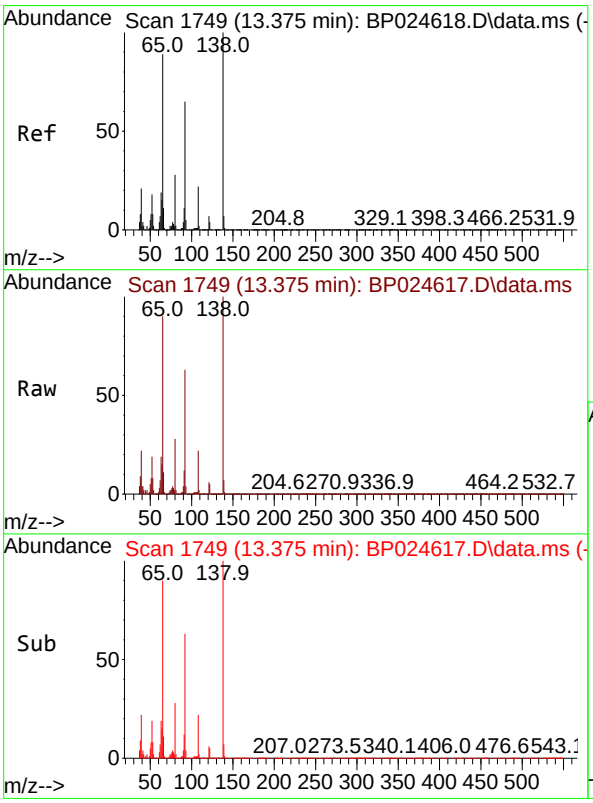

#47
2-Chloronaphthalene
Concen: 20.063 ng
RT: 13.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:162 Resp: 366247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.3 | 33.8 | 50.6 |
| 164 | 32.8 | 26.0 | 39.0 |

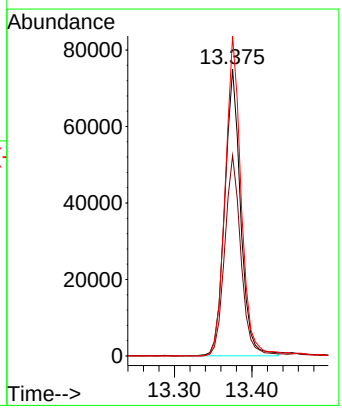


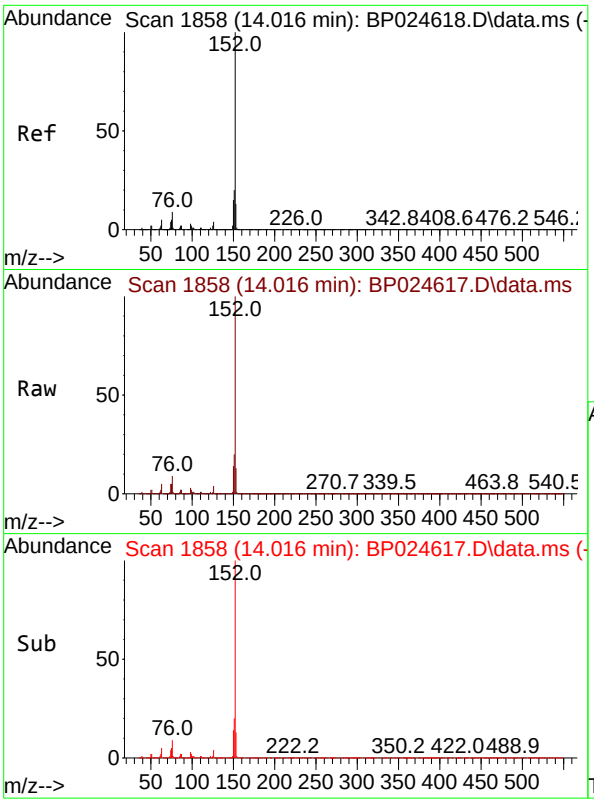




#48
2-Nitroaniline
Concen: 19.809 ng
RT: 13.375 min Scan# 1749
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion: 65 Resp: 107062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 69.8 | 58.7 | 88.1 |
| 138 | 111.5 | 90.2 | 135.2 |



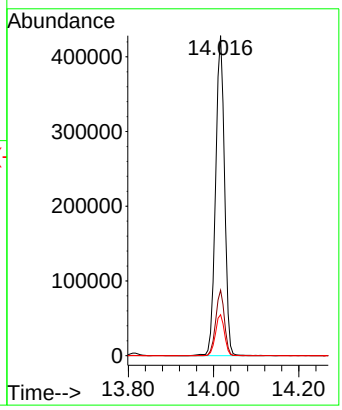


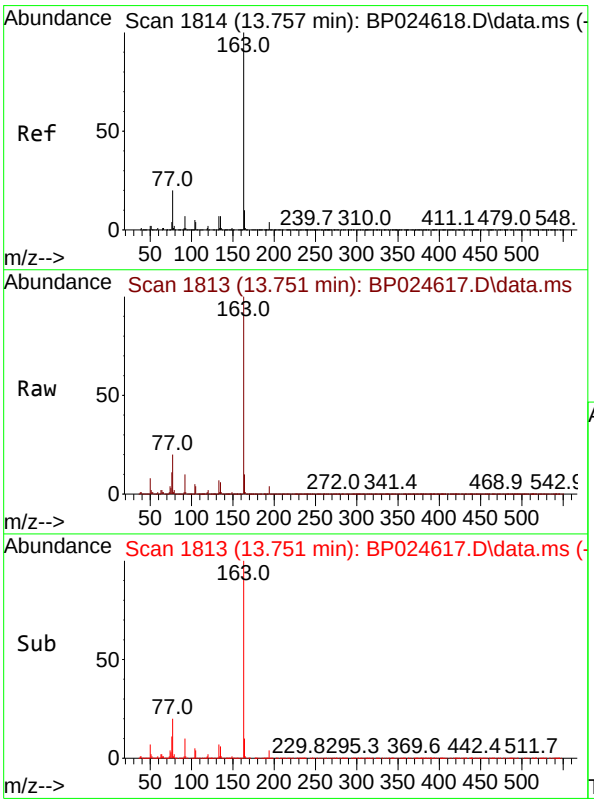

#49
Acenaphthylene
Concen: 20.360 ng
RT: 14.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:152 Resp: 621997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.5 | 16.2 | 24.4 |
| 153 | 12.8 | 10.2 | 15.4 |

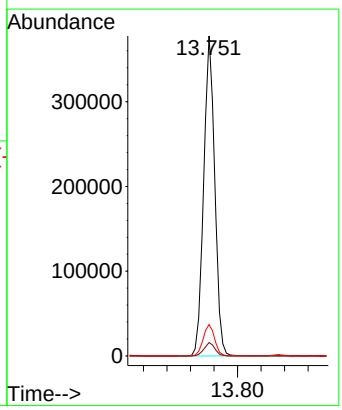


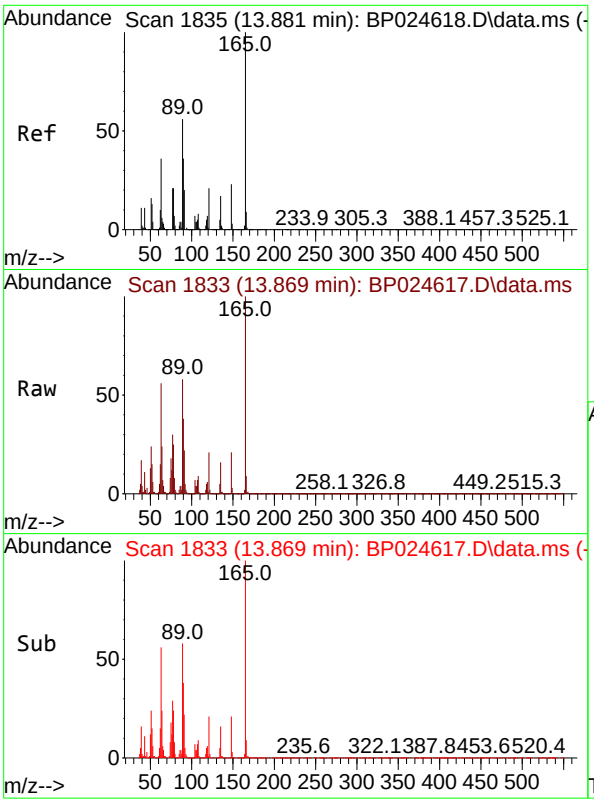




#50
Dimethylphthalate
Concen: 19.912 ng
RT: 13.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:163 Resp: 491623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.4 | 5.0 |
| 164 | 9.8 | 8.1 | 12.1 |



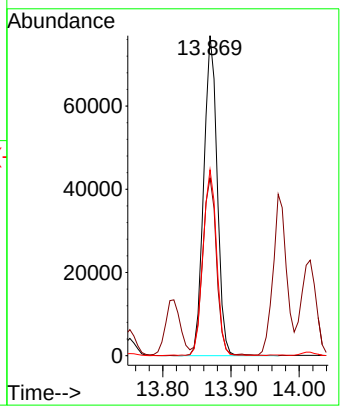


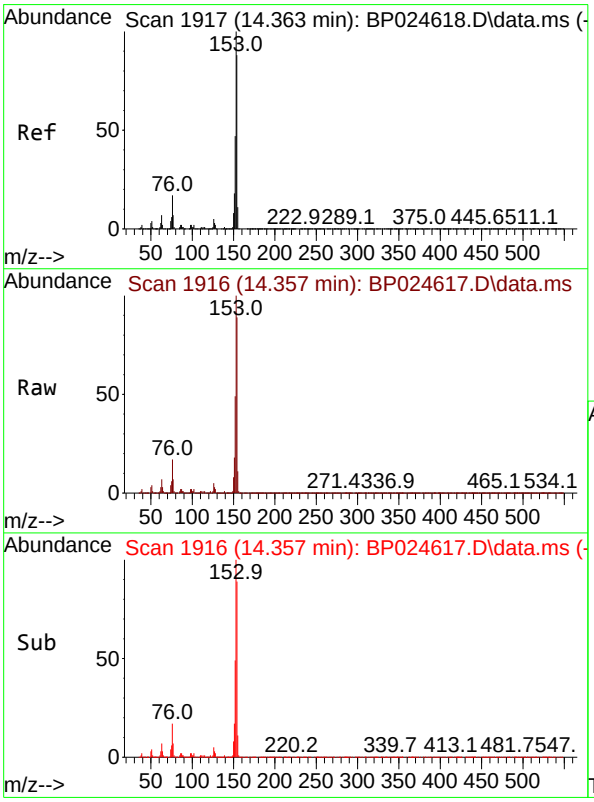

#51
2,6-Dinitrotoluene
Concen: 20.228 ng
RT: 13.869 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:165 Resp: 105479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 55.6 | 42.4 | 63.6 |
| 89 | 58.1 | 44.8 | 67.2 |

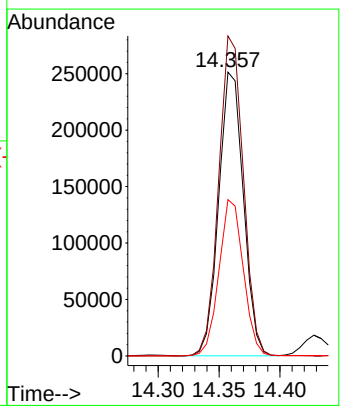


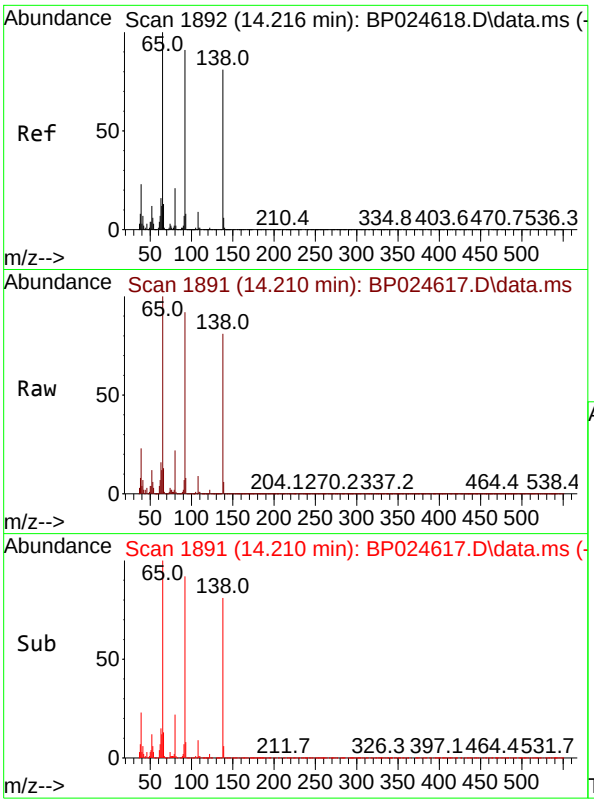




#52
Acenaphthene
Concen: 20.186 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:154 Resp: 354519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.7 | 91.0 | 136.4 |
| 152 | 55.1 | 42.9 | 64.3 |



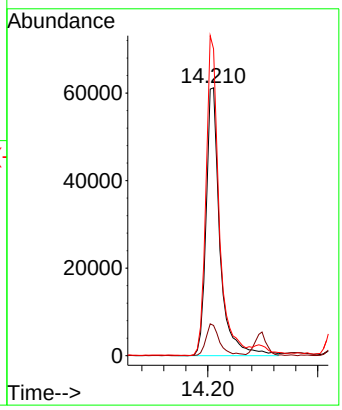


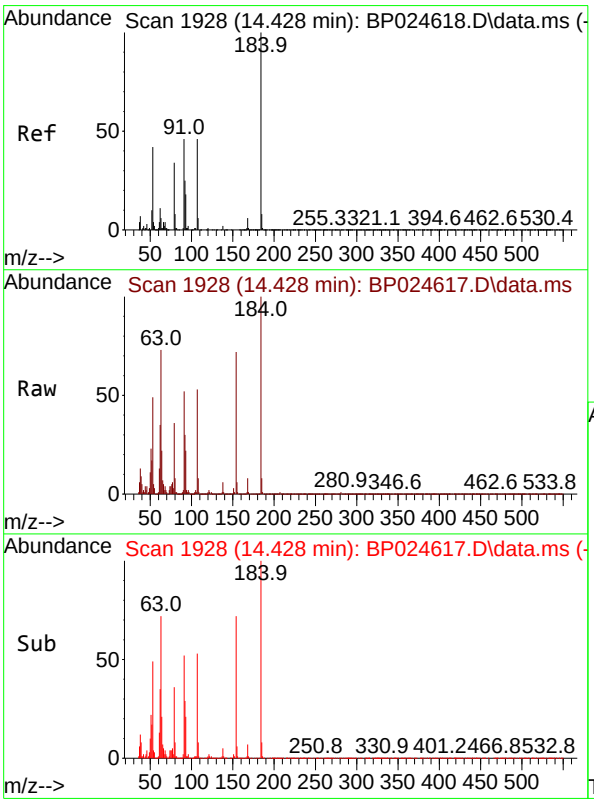

#53
3-Nitroaniline
Concen: 20.008 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:138 Resp: 106527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.3 | 9.0 | 13.4 |
| 92 | 114.5 | 90.1 | 135.1 |

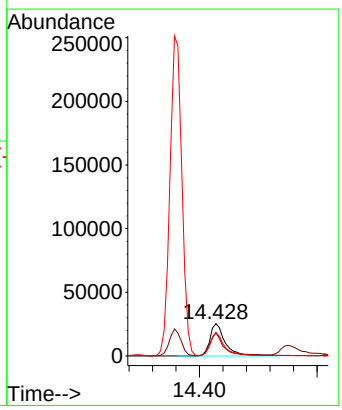


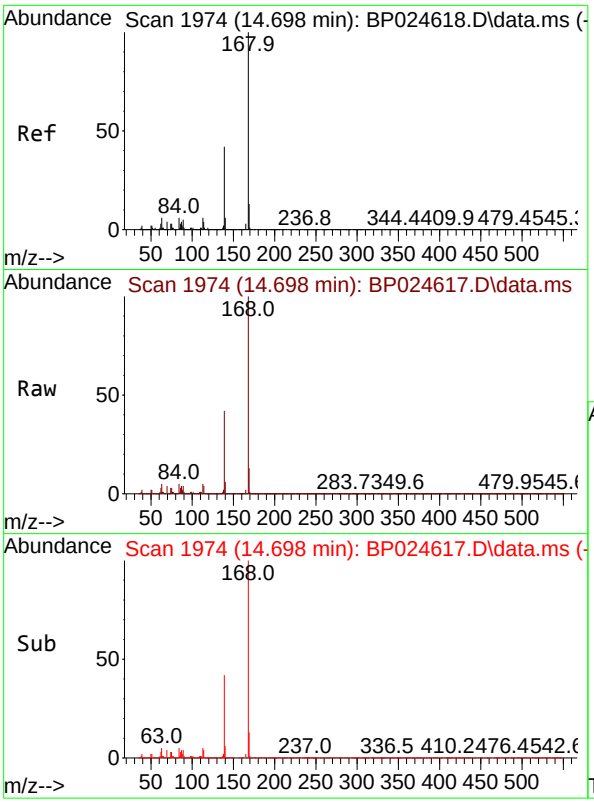




#54
2,4-Dinitrophenol
Concen: 19.370 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:184 Resp: 46351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 72.5 | 51.3 | 76.9 |
| 154 | 72.4 | 53.5 | 80.3 |



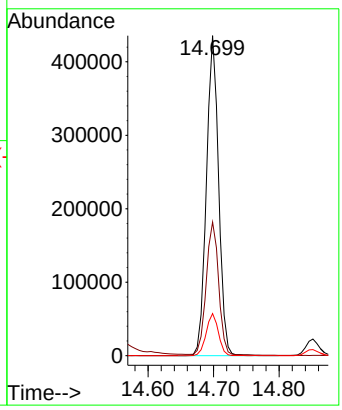


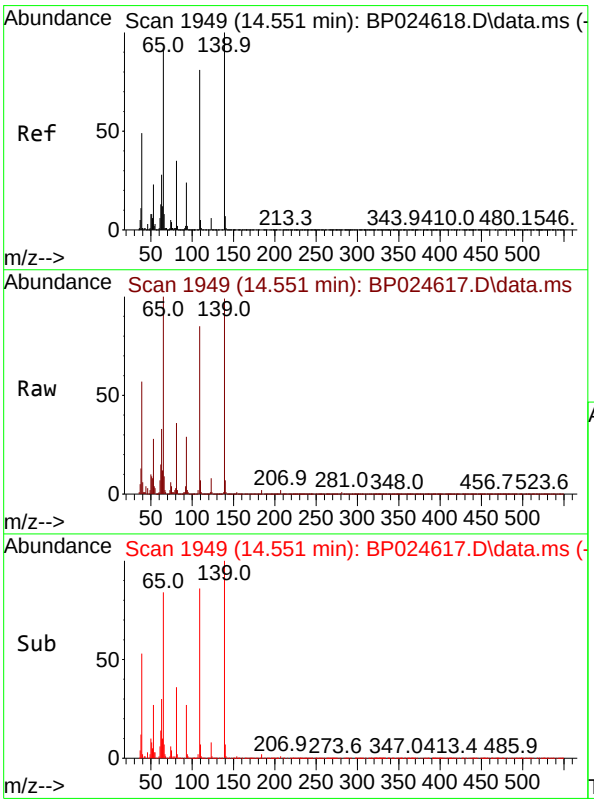

#55
Dibenzofuran
Concen: 20.123 ng
RT: 14.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:168 Resp: 563719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.8 | 34.2 | 51.4 |
| 169 | 13.1 | 10.8 | 16.2 |

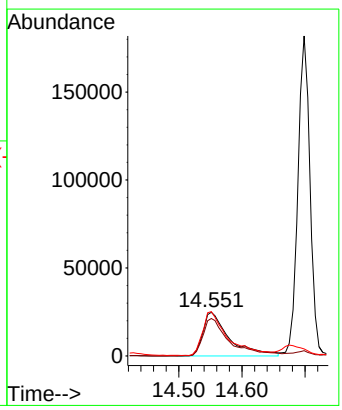


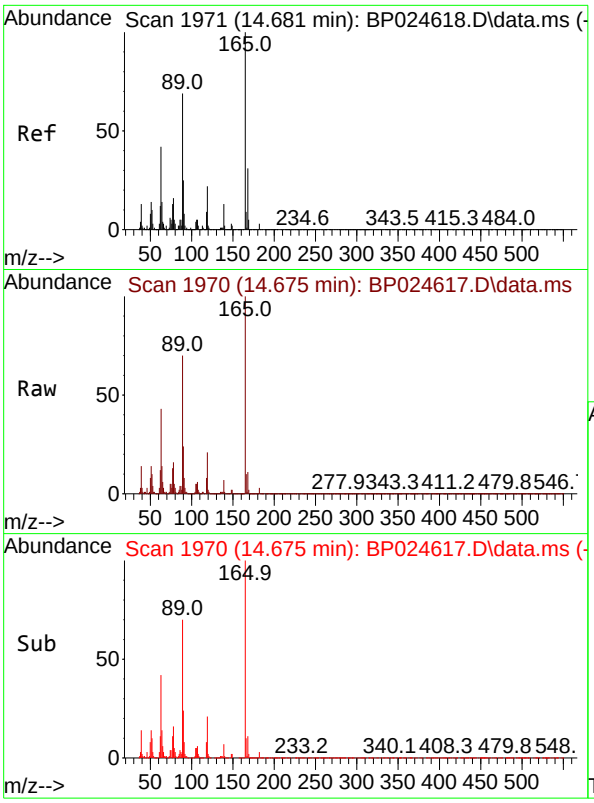




#56
4-Nitrophenol
Concen: 19.022 ng
RT: 14.551 min Scan# 1949
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:139 Resp: 71975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 85.7 | 61.4 | 101.4 |
| 65 | 101.4 | 72.2 | 112.2 |



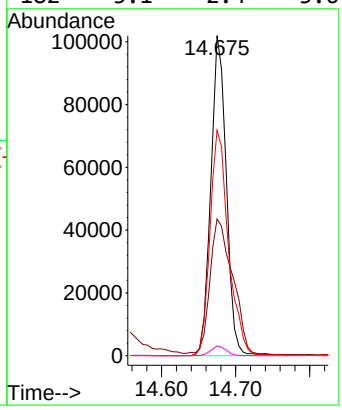


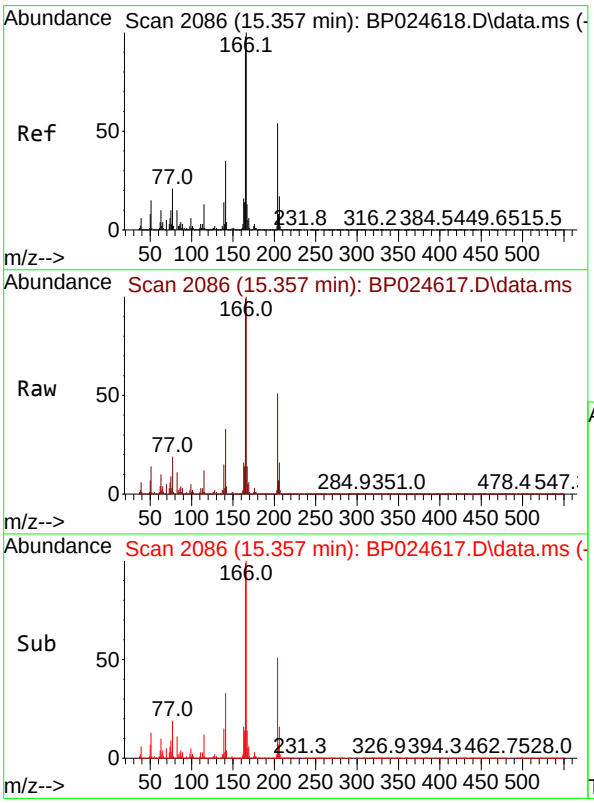

#57
2,4-Dinitrotoluene
Concen: 20.088 ng
RT: 14.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:165 Resp: 147676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 42.7 | 33.8 | 50.6 |
| 89 | 70.4 | 55.6 | 83.4 |
| 182 | 3.1 | 2.4 | 3.6 |

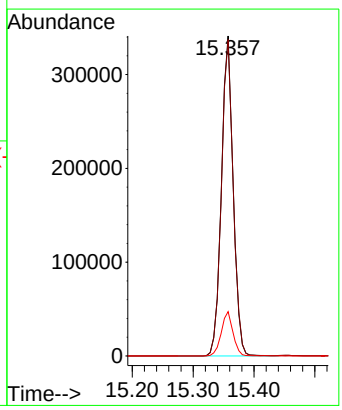


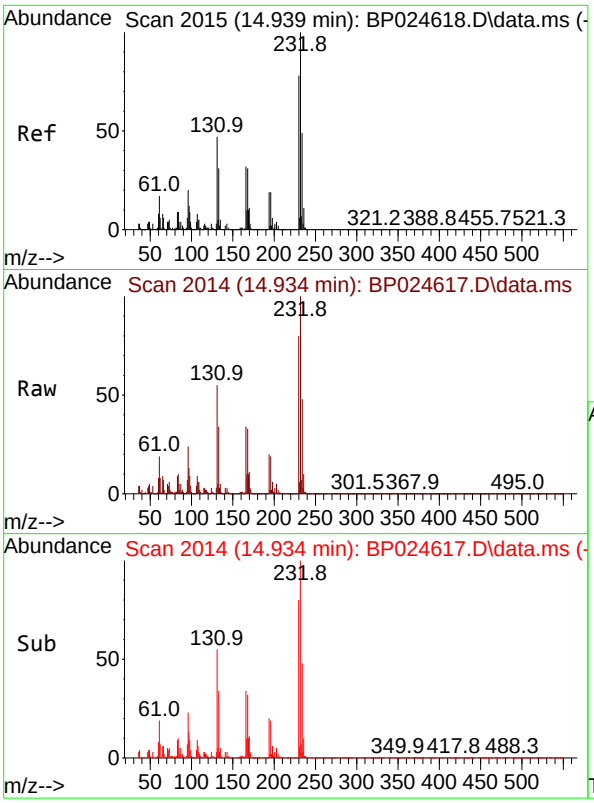




#58
Fluorene
Concen: 19.998 ng
RT: 15.357 min Scan# 2086
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:166 Resp: 456792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.9 | 78.5 | 117.7 |
| 167 | 13.8 | 10.7 | 16.1 |



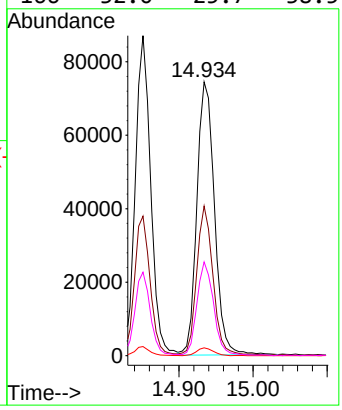


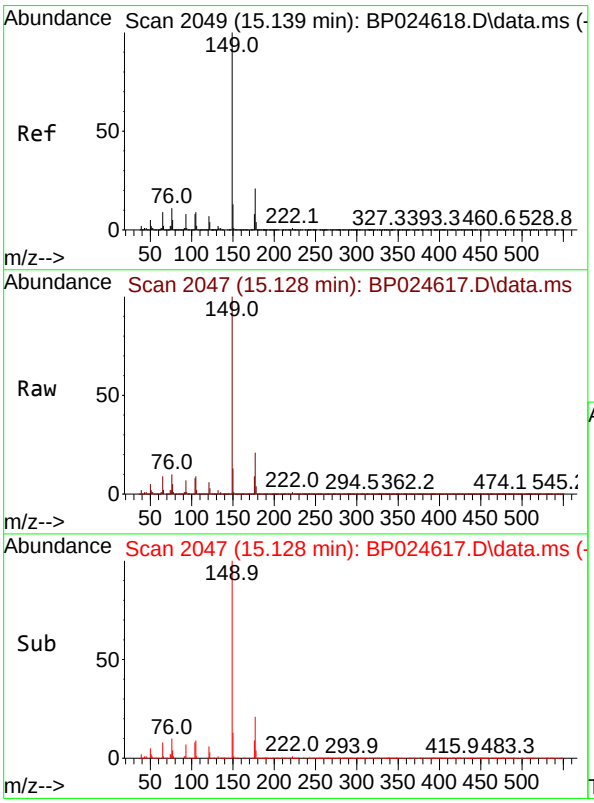

#59
2,3,4,6-Tetrachlorophenol
Concen: 19.593 ng
RT: 14.934 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:232 Resp: 123265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 50.2 | 39.5 | 59.3 |
| 130 | 2.7 | 2.2 | 3.4 |
| 166 | 32.0 | 25.7 | 38.5 |

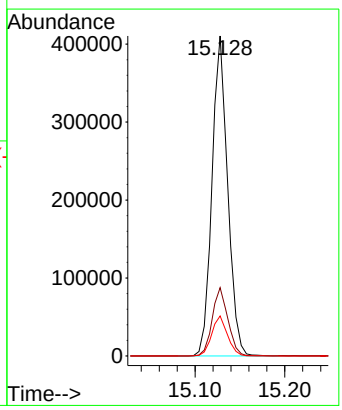


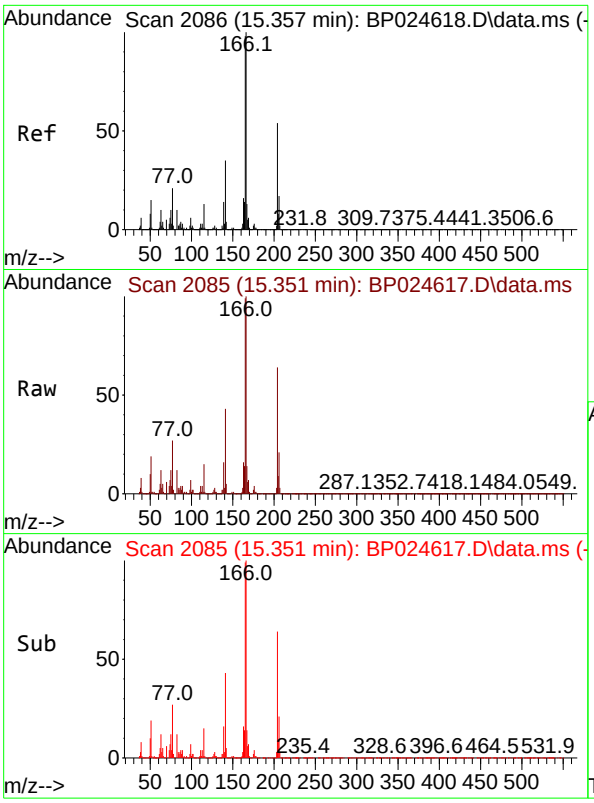




#60
Diethylphthalate
Concen: 19.953 ng
RT: 15.128 min Scan# 2047
Delta R.T. -0.012 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:149 Resp: 497916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.4 | 16.7 | 25.1 |
| 150 | 12.5 | 10.2 | 15.2 |



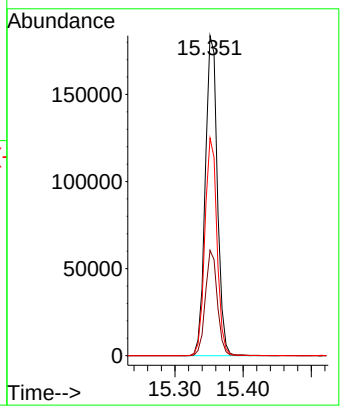


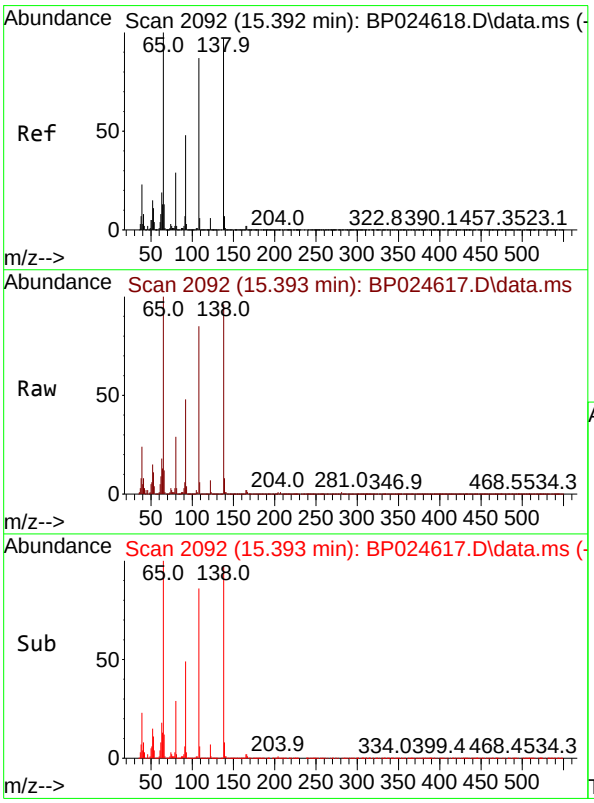

#61
4-Chlorophenyl-phenylether
Concen: 19.909 ng
RT: 15.351 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:204 Resp: 226790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.9 | 26.0 | 39.0 |
| 141 | 68.0 | 52.9 | 79.3 |

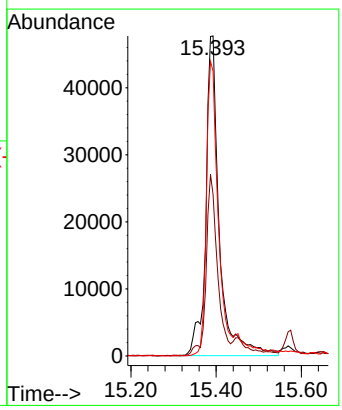


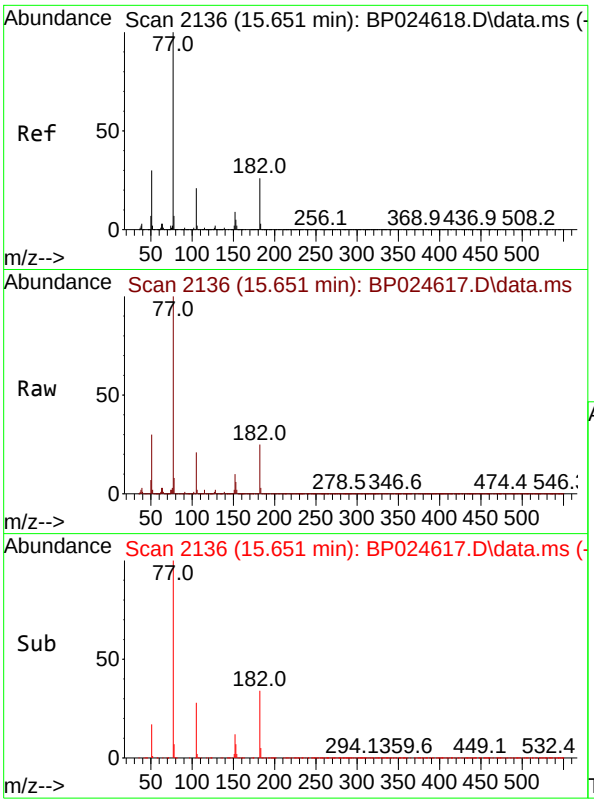




#62
4-Nitroaniline
Concen: 20.374 ng
RT: 15.393 min Scan# 2092
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:138 Resp: 105617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.4 | 29.2 | 69.2 |
| 108 | 89.0 | 69.0 | 109.0 |



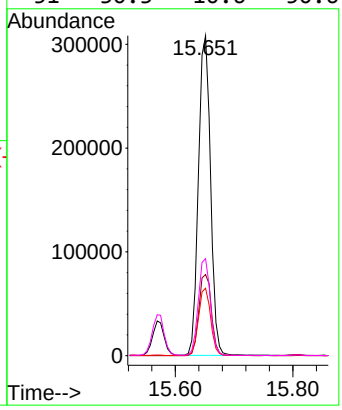


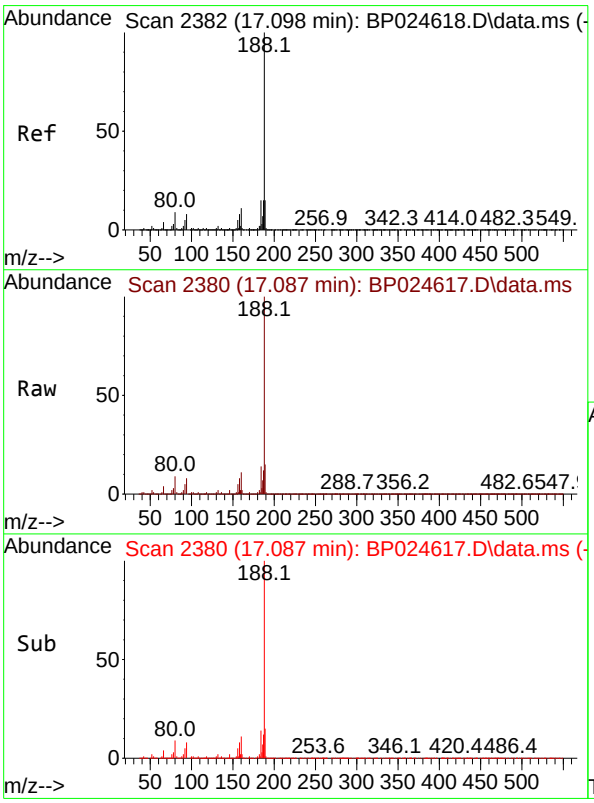

#63
Azobenzene
Concen: 20.573 ng
RT: 15.651 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion: 77 Resp: 439183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.4 | 5.7 | 45.7 |
| 105 | 21.1 | 1.3 | 41.3 |
| 51 | 30.3 | 10.6 | 50.6 |

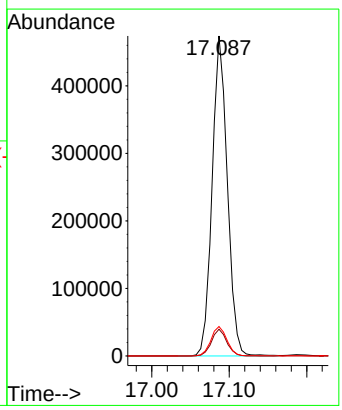


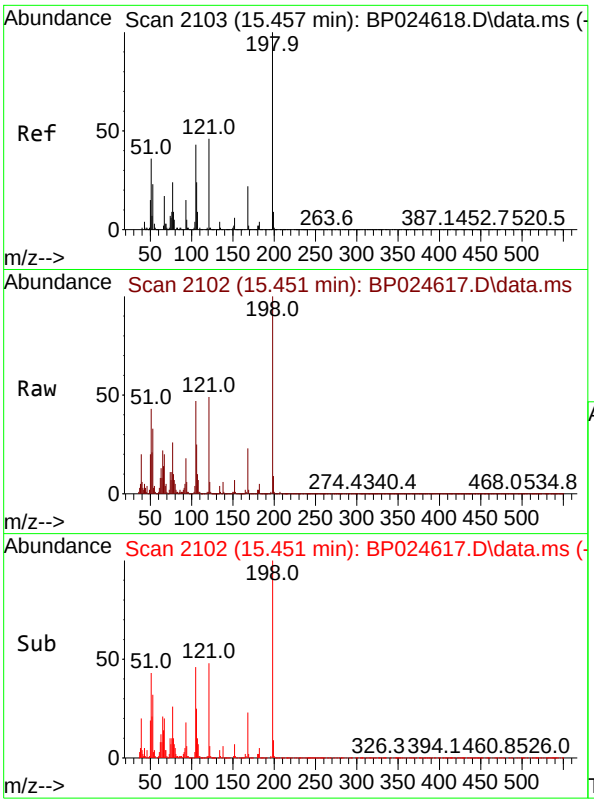




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.087 min Scan# 2380
Delta R.T. -0.012 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:188 Resp: 644367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.3 | 6.5 | 9.7 |
| 80 | 9.2 | 7.3 | 10.9 |



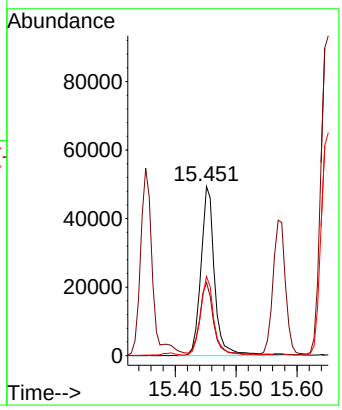


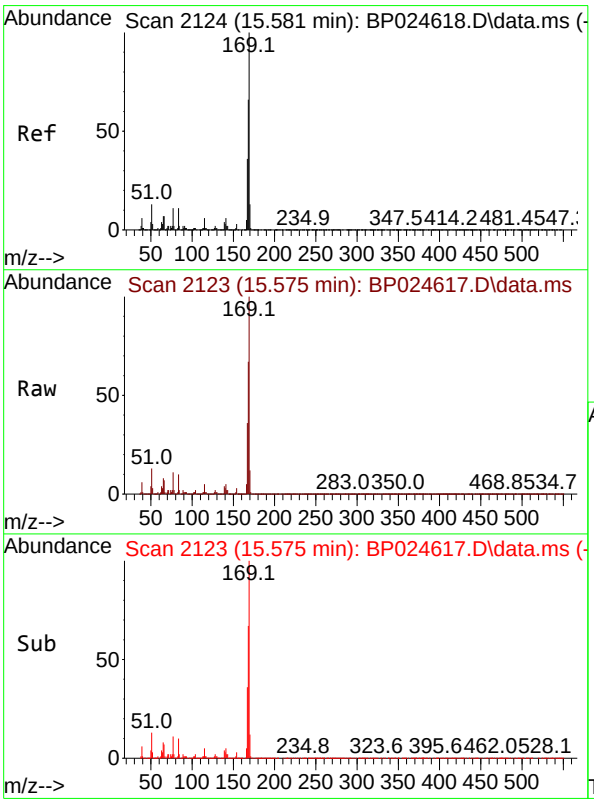

#65
4,6-Dinitro-2-methylphenol
Concen: 18.531 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:198 Resp: 77131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 43.2 | 21.1 | 61.1 |
| 105 | 46.8 | 23.6 | 63.6 |

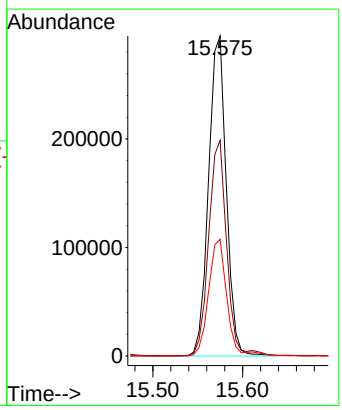


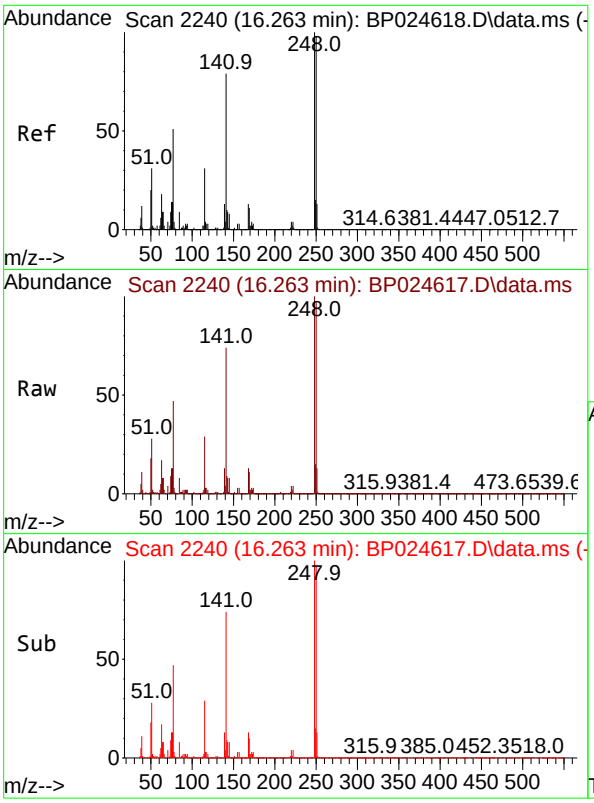




#66
n-Nitrosodiphenylamine
Concen: 20.416 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:169 Resp: 404085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.4 | 53.2 | 79.8 |
| 167 | 36.5 | 28.6 | 43.0 |



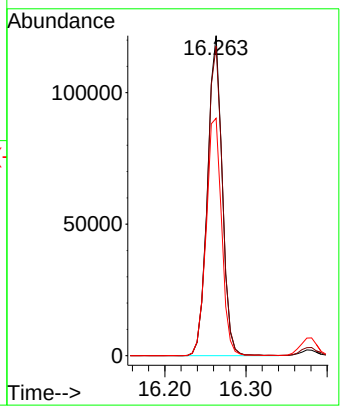


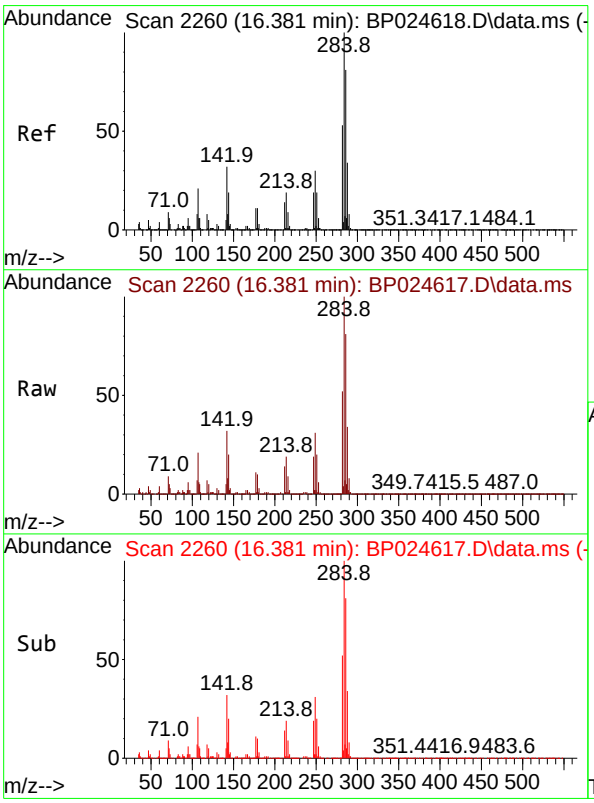

#67
4-Bromophenyl-phenylether
Concen: 20.071 ng
RT: 16.263 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:248 Resp: 152393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.8 | 78.2 | 117.4 |
| 141 | 74.2 | 63.0 | 94.6 |

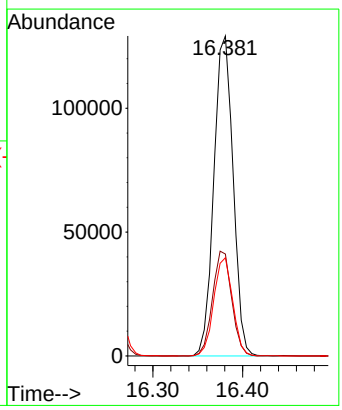


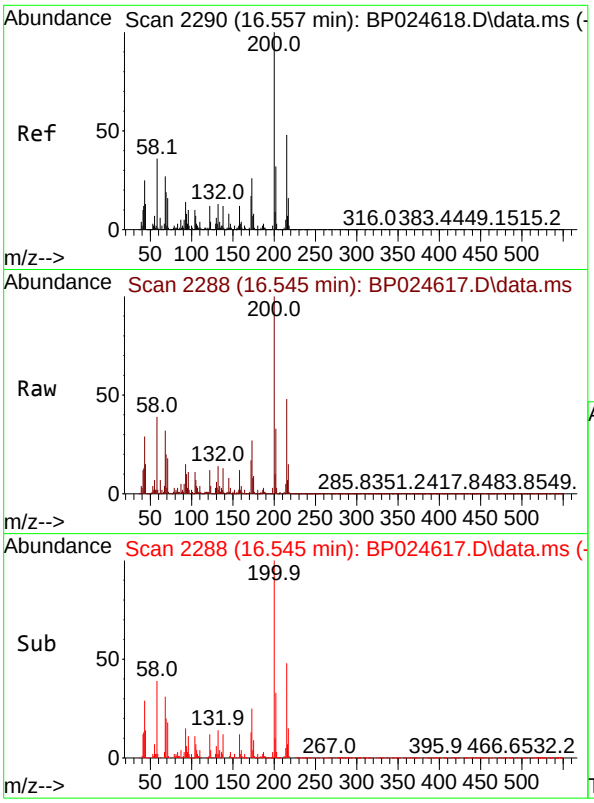




#68
Hexachlorobenzene
Concen: 19.930 ng
RT: 16.381 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:284 Resp: 192290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.9 | 25.9 | 38.9 |
| 249 | 30.7 | 24.1 | 36.1 |



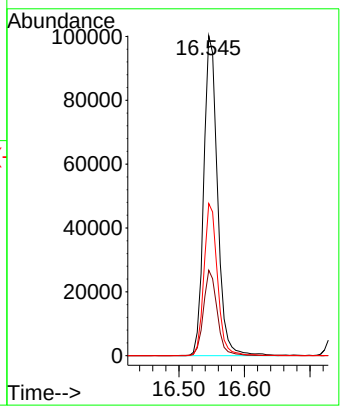


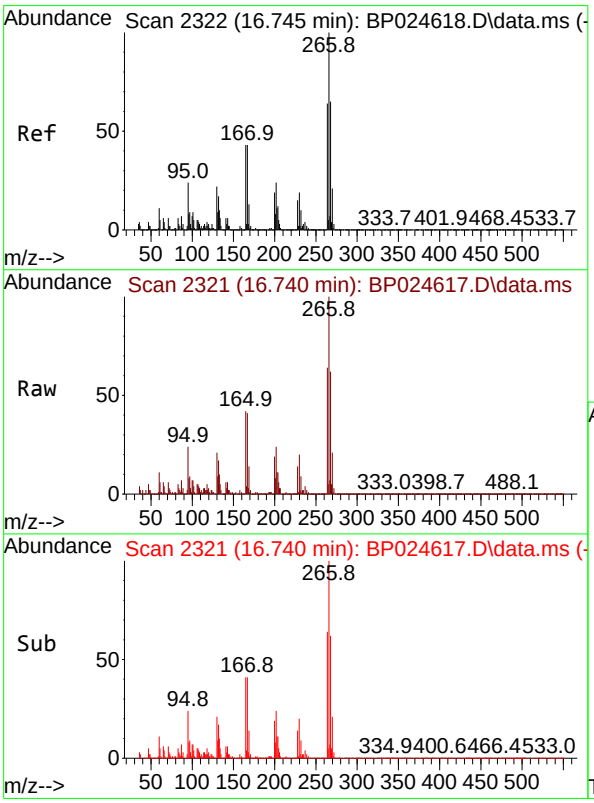

#69
Atrazine
Concen: 20.193 ng
RT: 16.545 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:200 Resp: 146468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.7 | 5.9 | 45.9 |
| 215 | 47.5 | 28.3 | 68.3 |

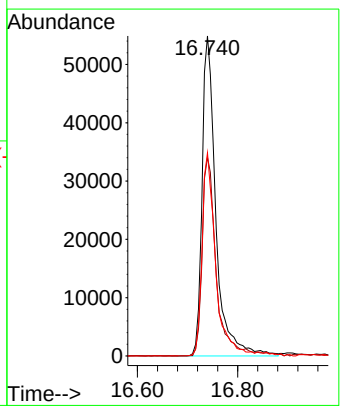


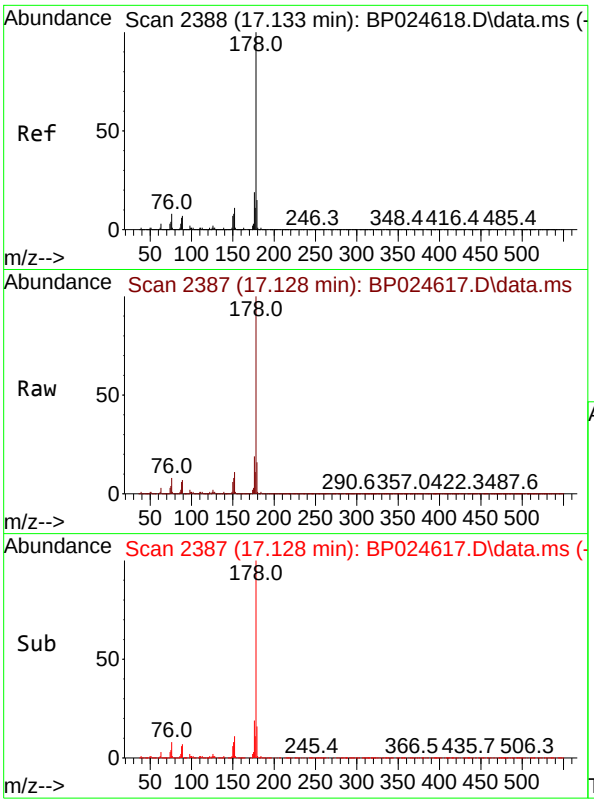




#70
Pentachlorophenol
Concen: 19.360 ng
RT: 16.740 min Scan# 2321
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:266 Resp: 104916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.1 | 52.2 | 78.4 |
| 264 | 63.5 | 51.1 | 76.7 |



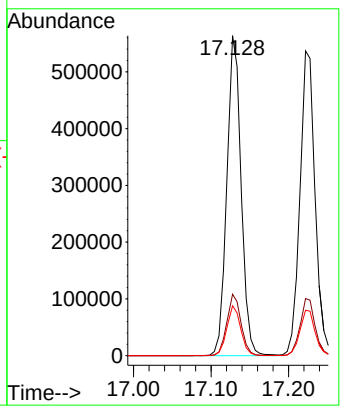


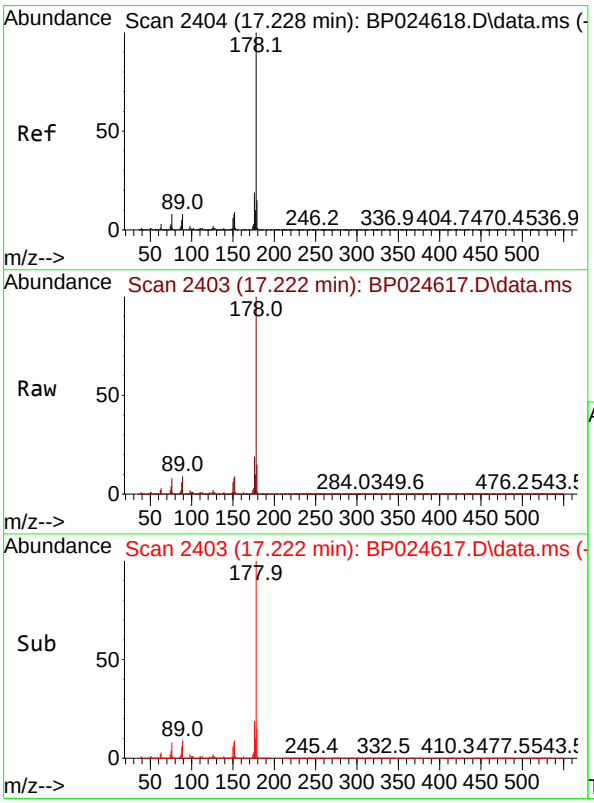

#71
Phenanthrene
Concen: 20.237 ng
RT: 17.128 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:178 Resp: 724922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.4 | 23.2 |
| 179 | 15.6 | 12.2 | 18.4 |

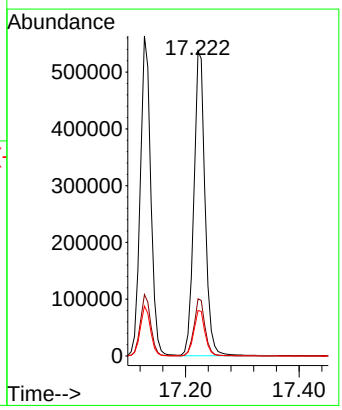


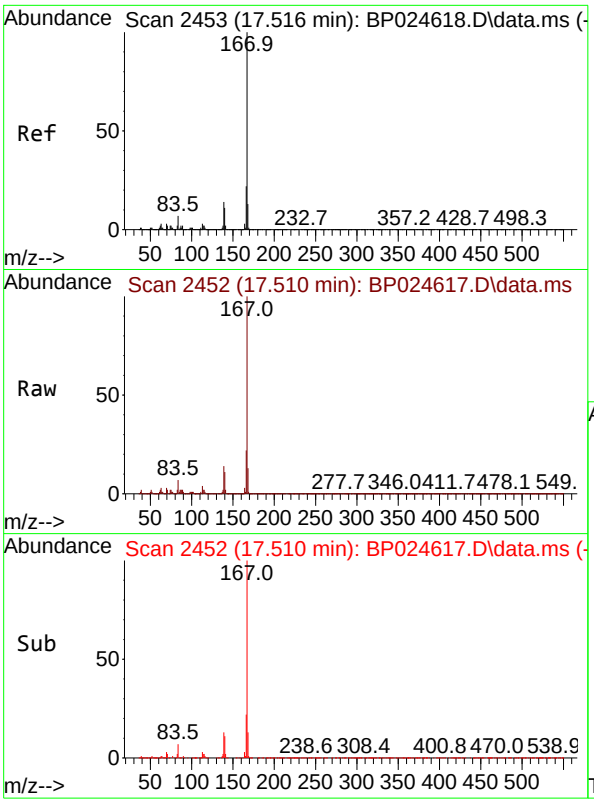




#72
Anthracene
Concen: 20.416 ng
RT: 17.222 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:178 Resp: 735787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.0 | 22.4 |
| 179 | 14.9 | 12.2 | 18.2 |



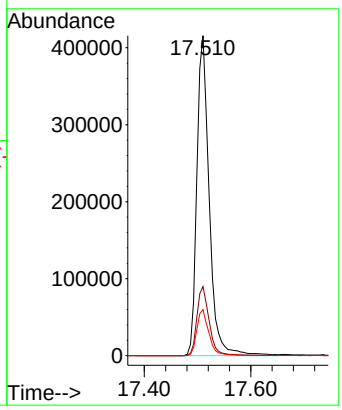


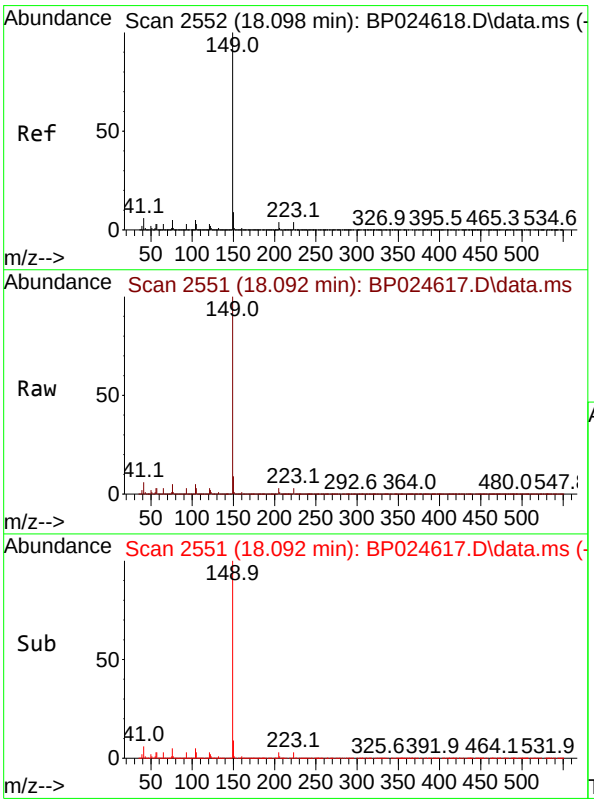

#73
Carbazole
Concen: 20.531 ng
RT: 17.510 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:167 Resp: 669730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.6 | 17.7 | 26.5 |
| 139 | 14.4 | 11.3 | 16.9 |

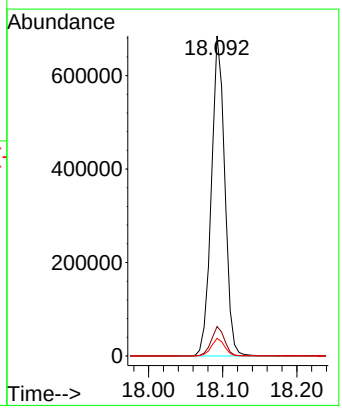


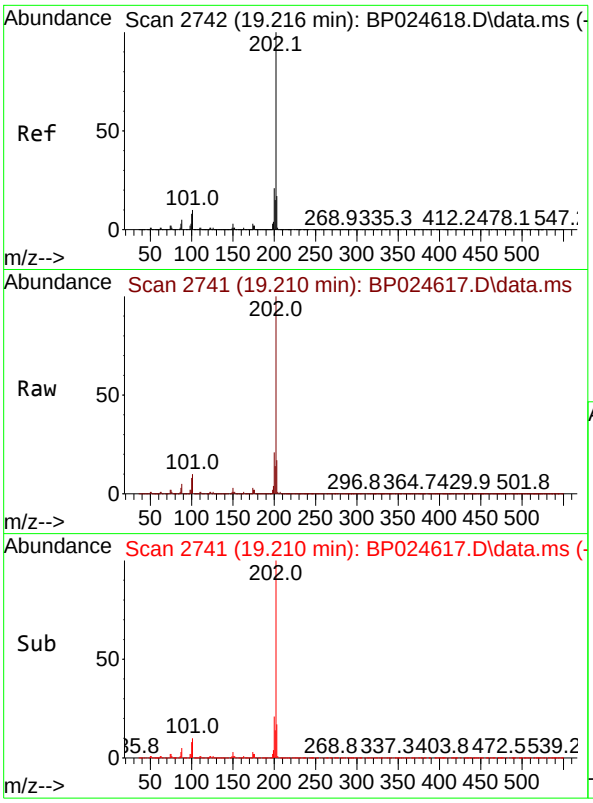




#74
Di-n-butylphthalate
Concen: 20.464 ng
RT: 18.092 min Scan# 2551
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:149 Resp: 858522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.2 | 10.8 |
| 104 | 5.5 | 4.3 | 6.5 |



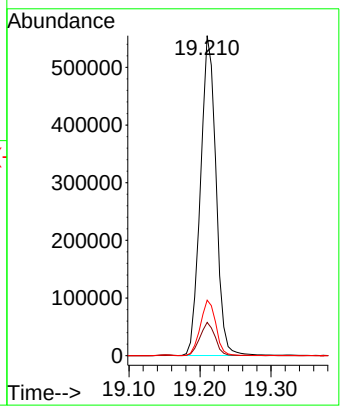


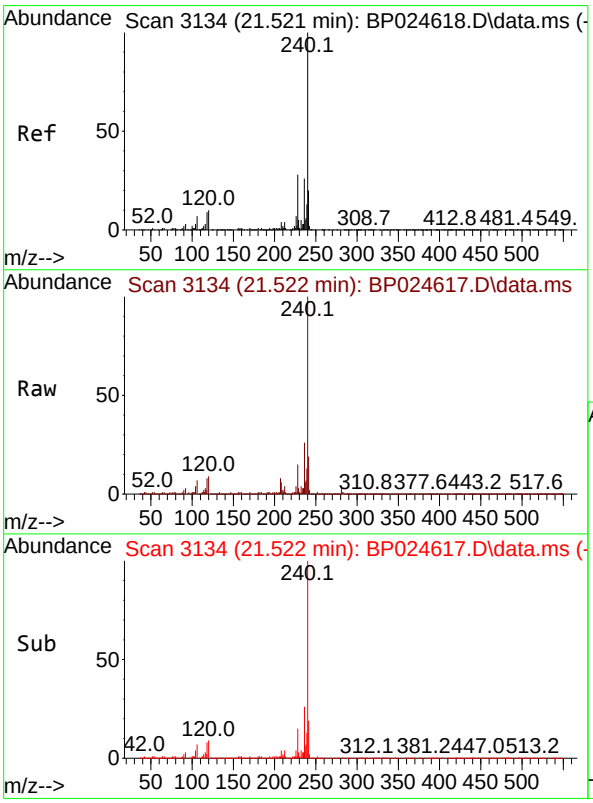

#75
Fluoranthene
Concen: 20.220 ng
RT: 19.210 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:202 Resp: 846684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.4 | 0.0 | 30.3 |
| 203 | 17.3 | 0.0 | 37.5 |

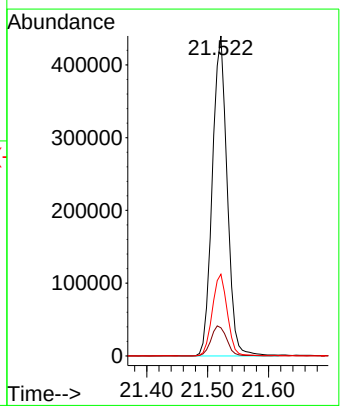


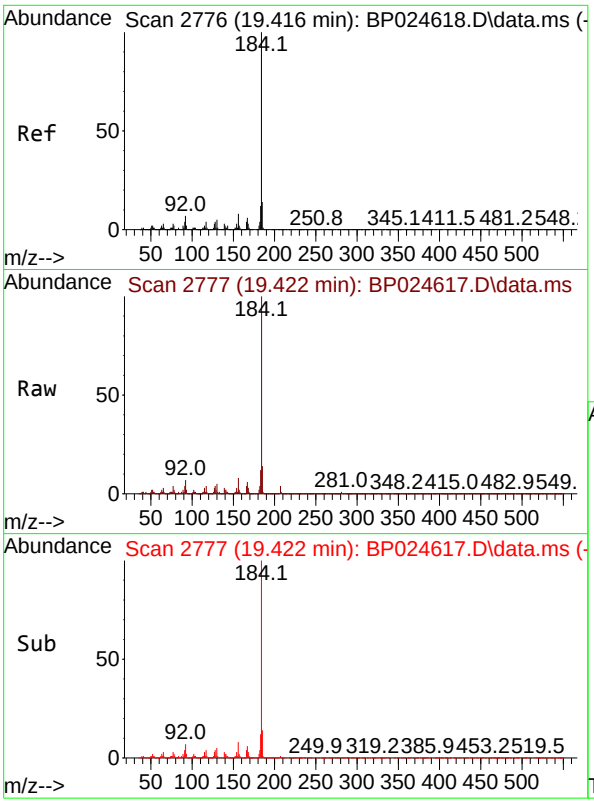




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.522 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:240 Resp: 745224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.8 | 7.8 | 11.6 |
| 236 | 25.5 | 20.6 | 31.0 |



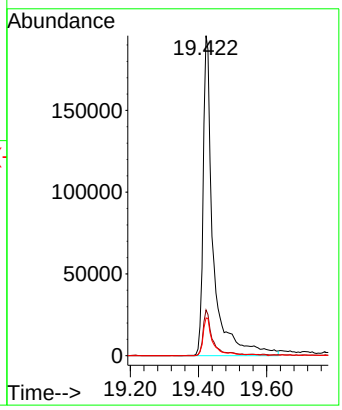


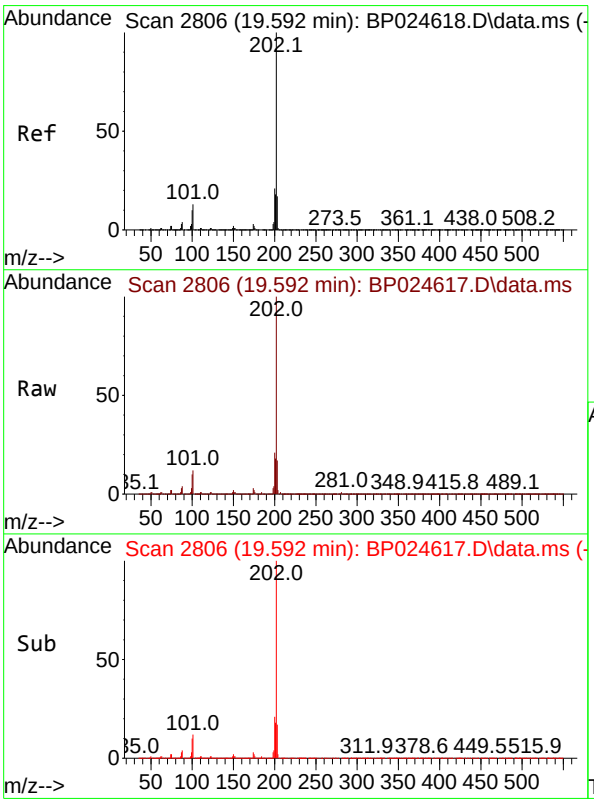

#77
Benzidine
Concen: 19.793 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:184 Resp: 404890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.3 | 11.2 | 16.8 |
| 183 | 11.8 | 9.8 | 14.8 |

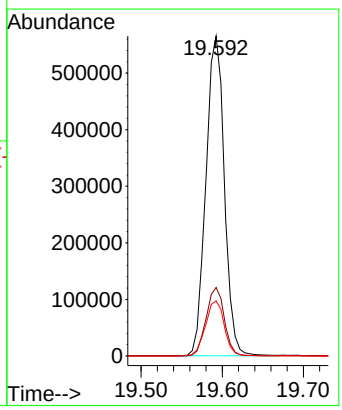


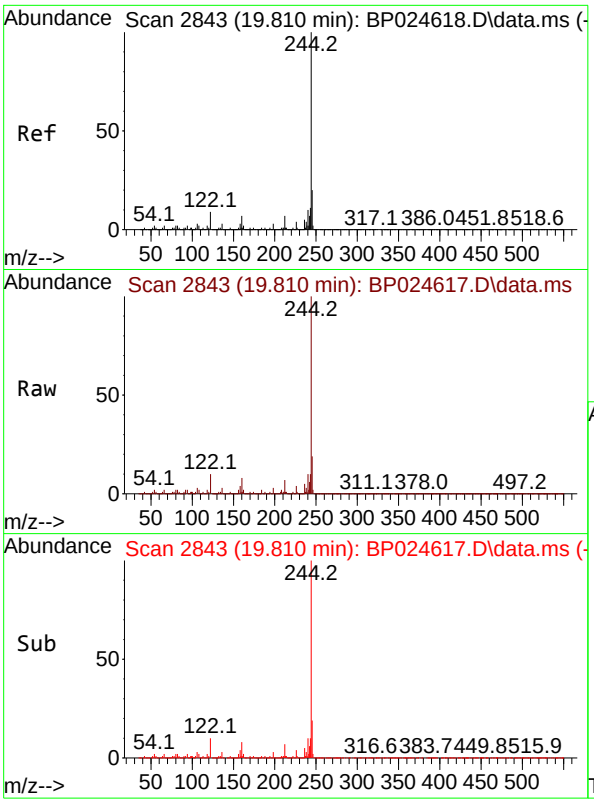




#78
Pyrene
Concen: 19.977 ng
RT: 19.592 min Scan# 2806
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:202 Resp: 892037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.4 | 16.9 | 25.3 |
| 203 | 17.2 | 13.9 | 20.9 |



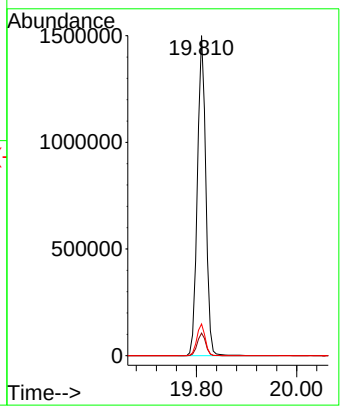


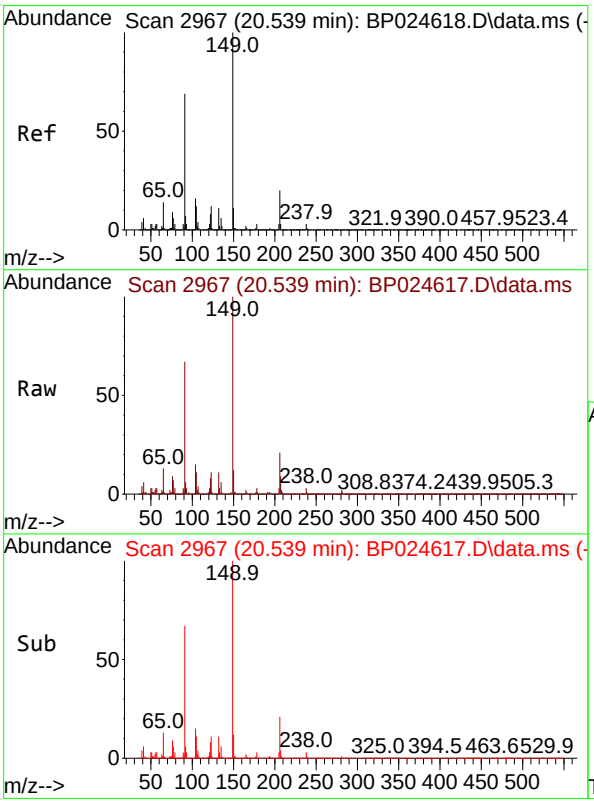

#79
Terphenyl-d14
Concen: 39.964 ng
RT: 19.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:244 Resp: 1736879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.5 | 8.3 |
| 122 | 9.9 | 7.4 | 11.0 |

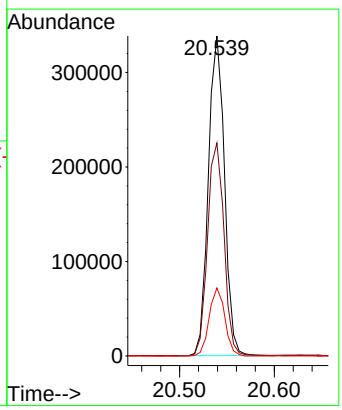


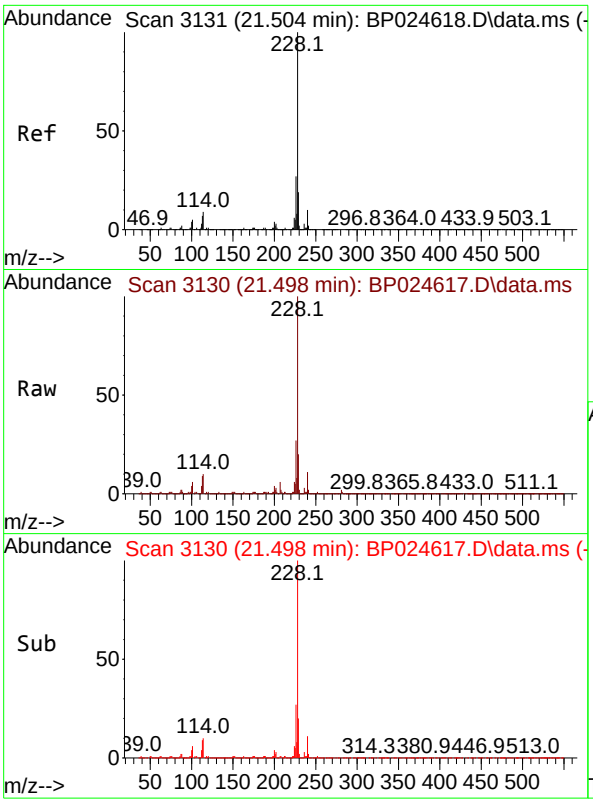




#80
Butylbenzylphthalate
Concen: 20.145 ng
RT: 20.539 min Scan# 2967
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:149 Resp: 400050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 66.6 | 55.4 | 83.0 |
| 206 | 21.3 | 16.2 | 24.2 |



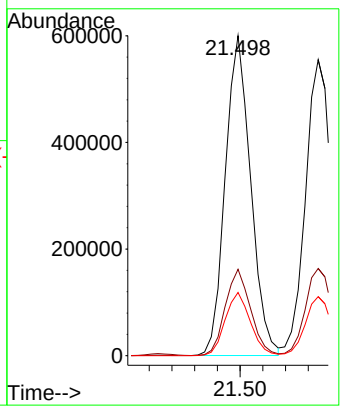


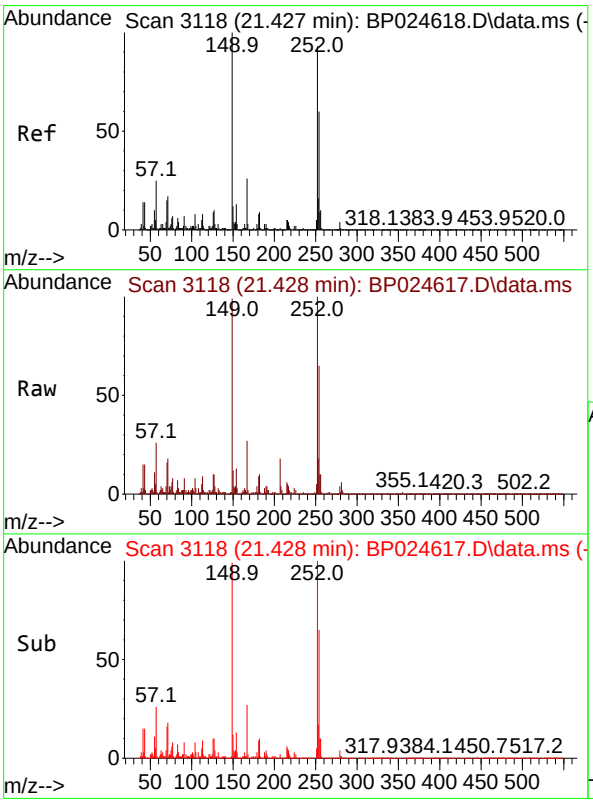

#81
Benzo(a)anthracene
Concen: 19.952 ng
RT: 21.498 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:228 Resp: 933614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.0 | 21.4 | 32.0 |
| 229 | 19.7 | 15.5 | 23.3 |

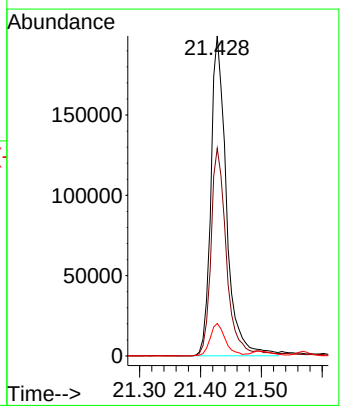


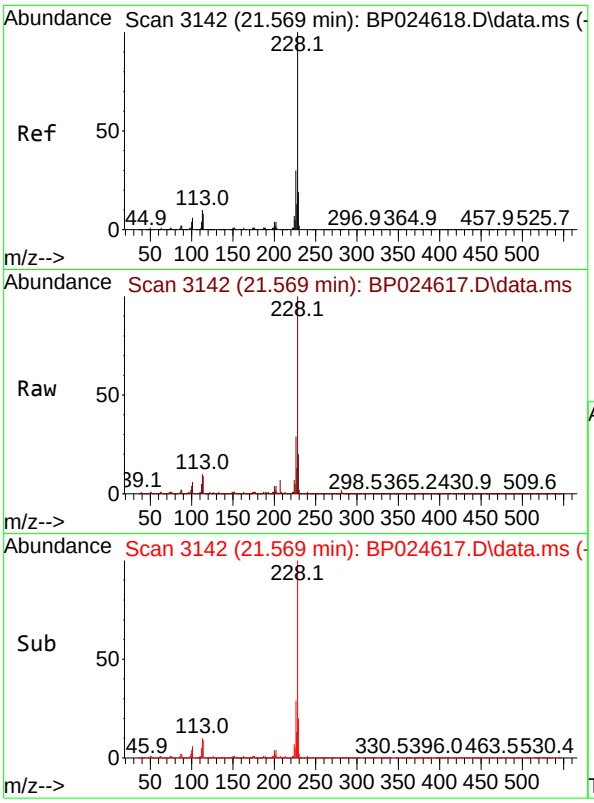




#82
3,3'-Dichlorobenzidine
Concen: 20.310 ng
RT: 21.428 min Scan# 3118
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:252 Resp: 353000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.9 | 51.8 | 77.6 |
| 126 | 10.1 | 7.7 | 11.5 |



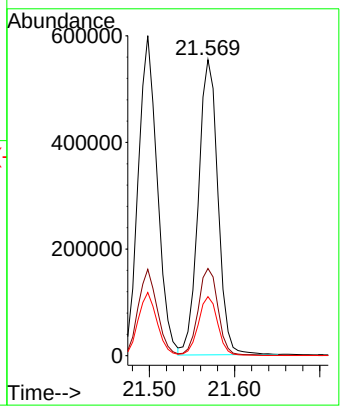


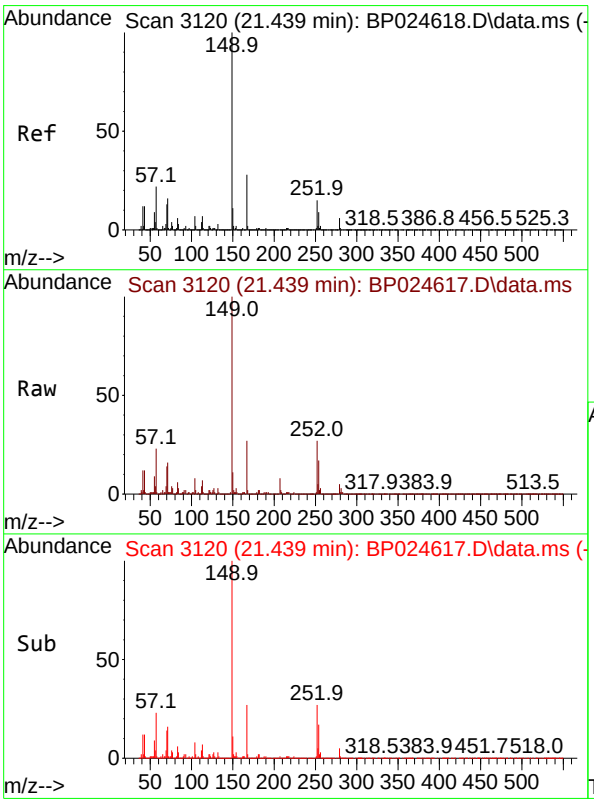

#83
Chrysene
Concen: 19.906 ng
RT: 21.569 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:228 Resp: 883001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.5 | 23.9 | 35.9 |
| 229 | 20.0 | 15.5 | 23.3 |

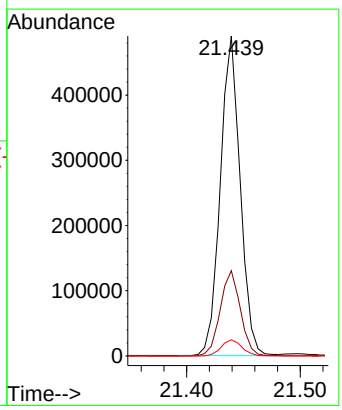


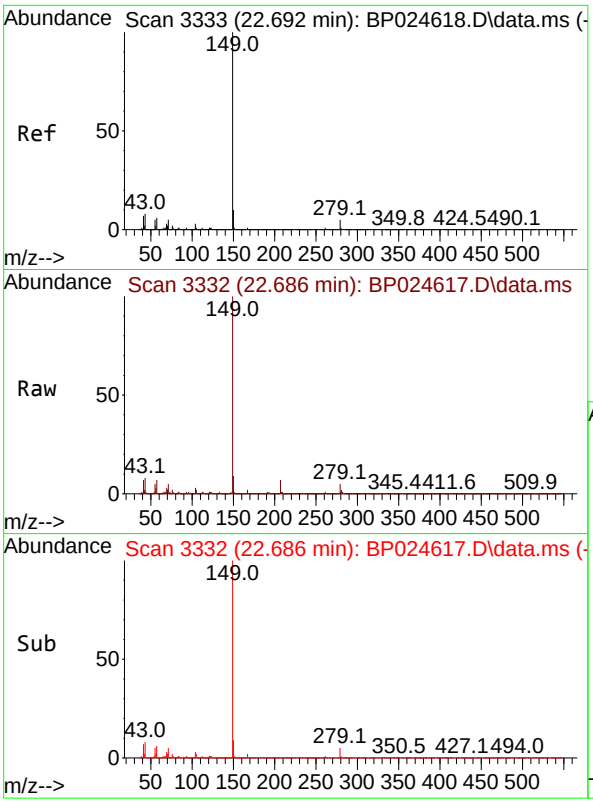




#84
Bis(2-ethylhexyl)phthalate
Concen: 20.454 ng
RT: 21.439 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:149 Resp: 597012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.6 | 22.1 | 33.1 |
| 279 | 5.0 | 4.6 | 6.8 |



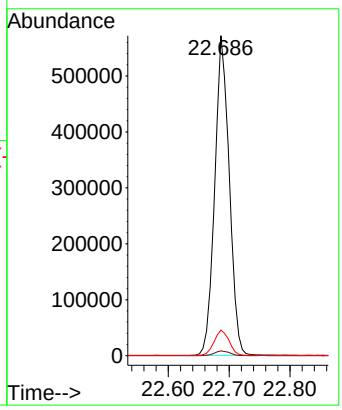


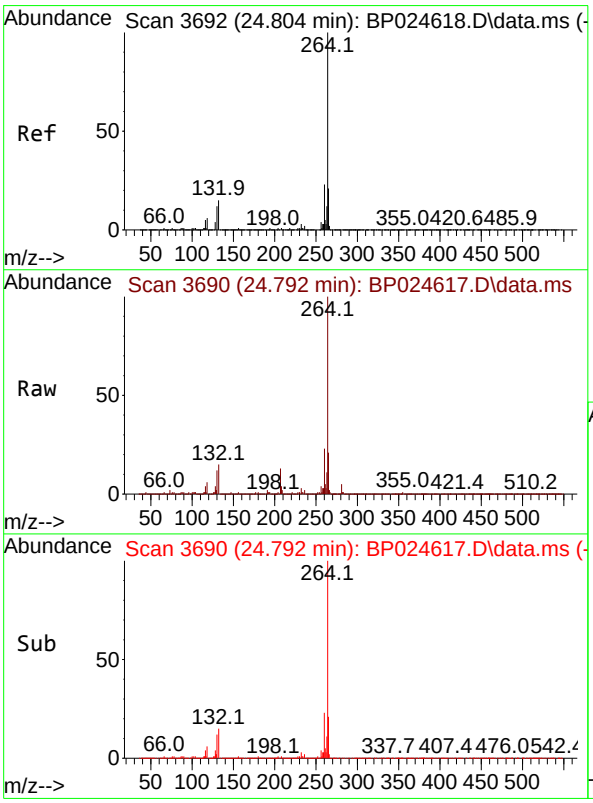

#85
Di-n-octyl phthalate
Concen: 19.852 ng
RT: 22.686 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:149 Resp: 947571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.2 | 1.8 |
| 43 | 8.3 | 6.3 | 9.5 |

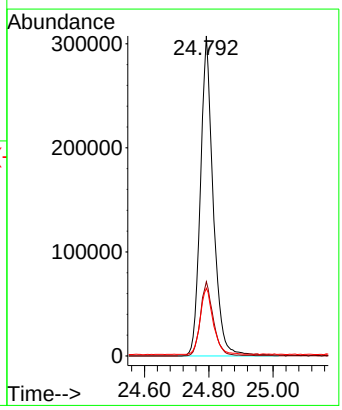


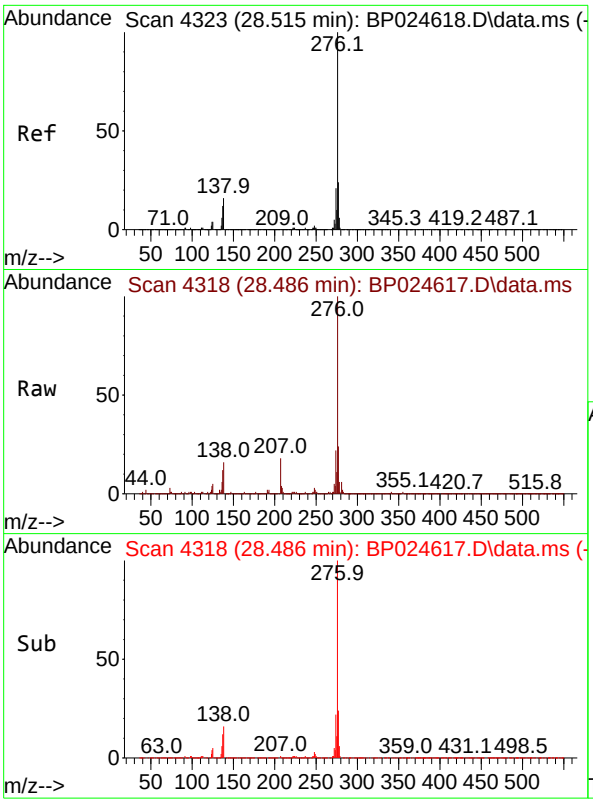




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.792 min Scan# 3690
Delta R.T. -0.012 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:264 Resp: 850264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 18.7 | 28.1 |
| 265 | 21.2 | 17.0 | 25.6 |



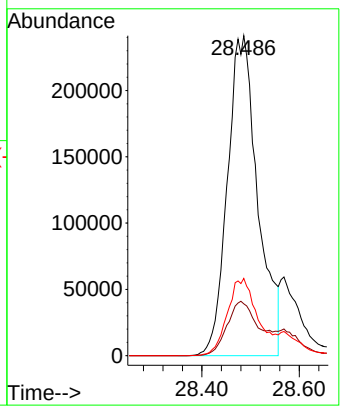


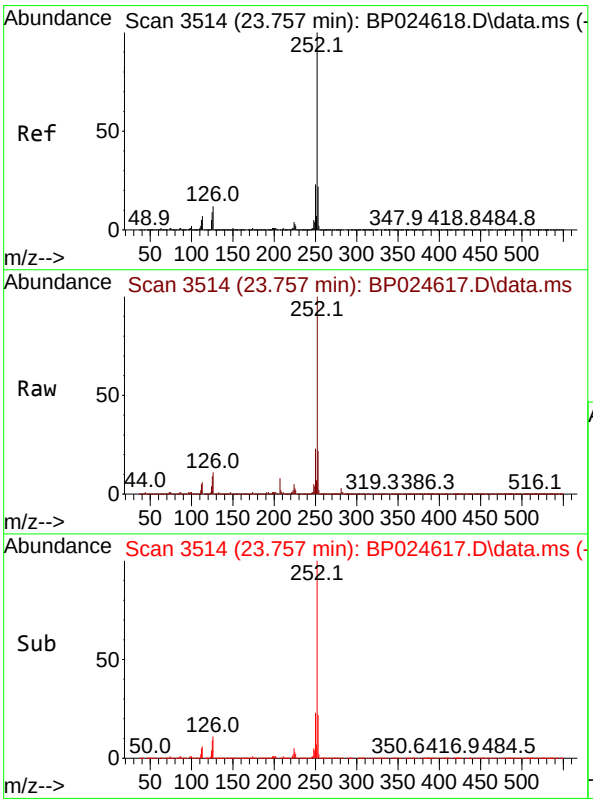

#87
Indeno(1,2,3-cd)pyrene
Concen: 16.867 ng
RT: 28.486 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:276 Resp: 1047319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 17.8 | 11.2 | 16.8# |
| 277 | 24.6 | 15.7 | 23.5# |

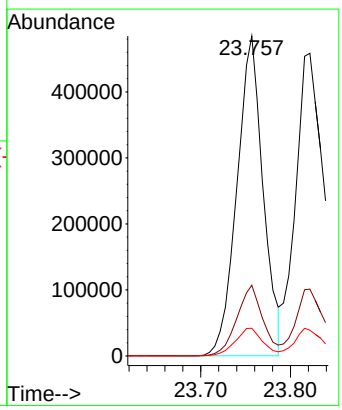


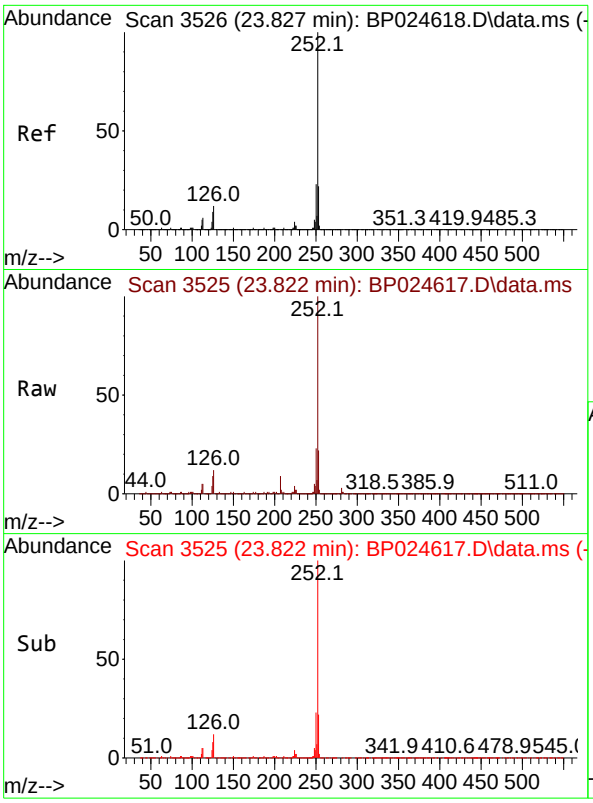




#88
Benzo(b)fluoranthene
Concen: 20.134 ng
RT: 23.757 min Scan# 3514
Delta R.T. 0.000 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:252 Resp: 979873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.7 | 26.5 |
| 125 | 8.7 | 7.5 | 11.3 |



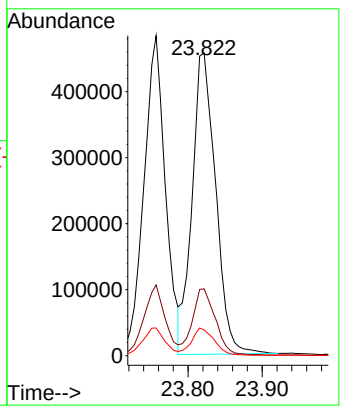


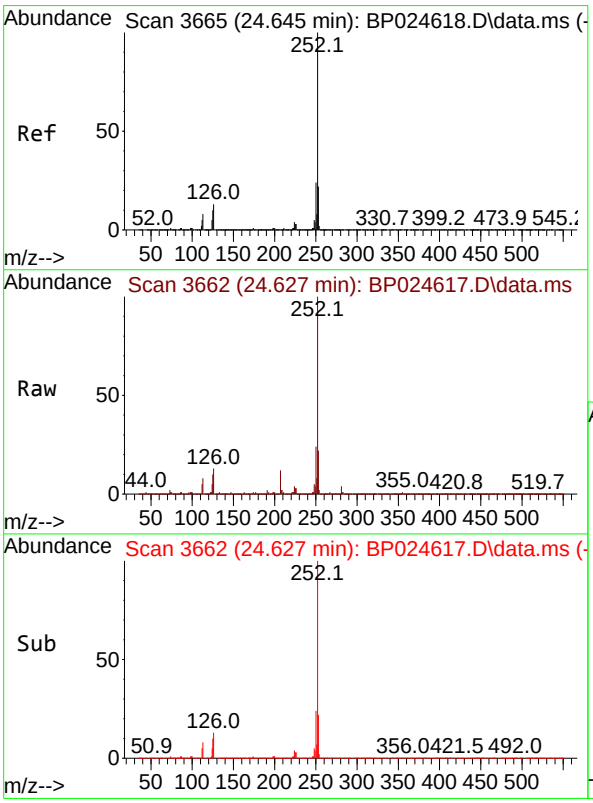

#89
Benzo(k)fluoranthene
Concen: 20.047 ng
RT: 23.822 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:252 Resp: 1005349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.6 | 26.4 |
| 125 | 8.5 | 7.0 | 10.4 |

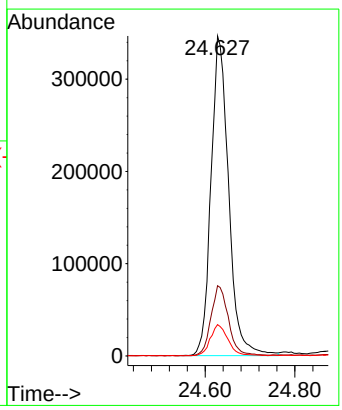


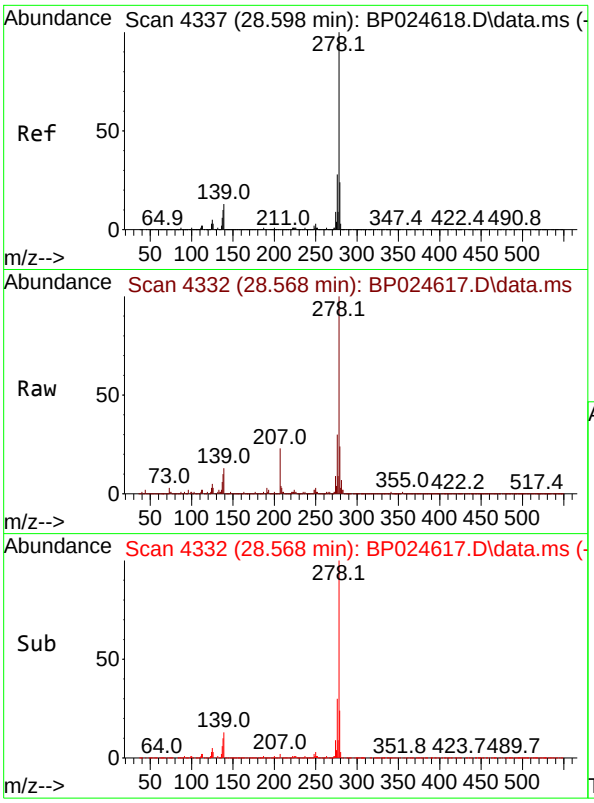




#90
Benzo(a)pyrene
Concen: 20.234 ng
RT: 24.627 min Scan# 3662
Delta R.T. -0.017 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:252 Resp: 945764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.7 | 26.5 |
| 125 | 9.8 | 8.1 | 12.1 |



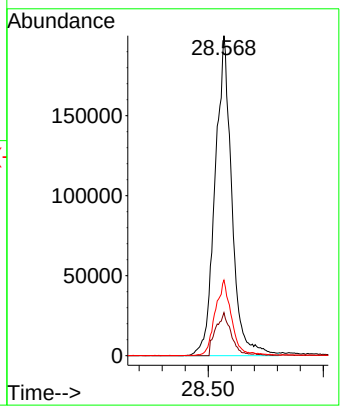


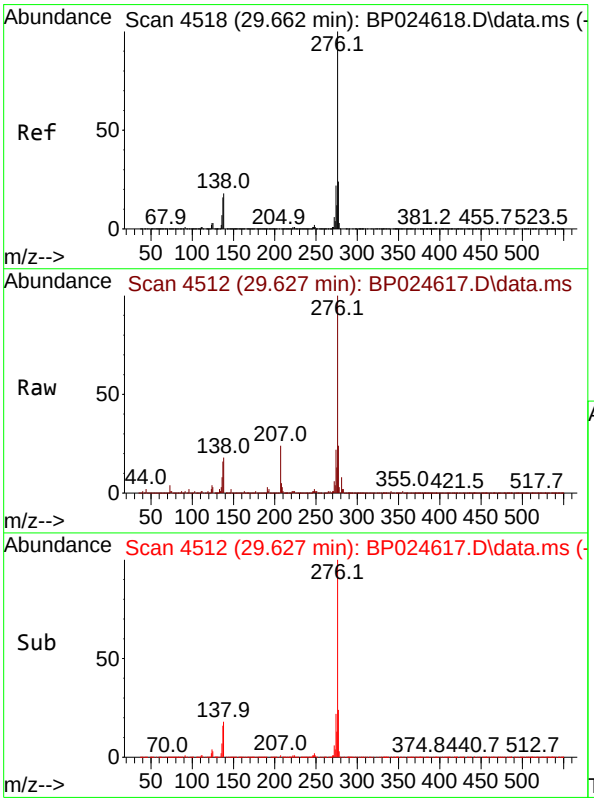

#91
Dibenzo(a,h)anthracene
Concen: 19.966 ng
RT: 28.568 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:278 Resp: 1008288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.5 | 10.2 | 15.4 |
| 279 | 23.6 | 19.0 | 28.4 |

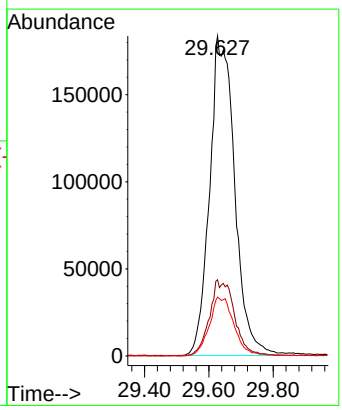



#92
Benzo(g,h,i)perylene
Concen: 19.751 ng
RT: 29.627 min Scan# 4512
Delta R.T. -0.035 min
Lab File: BP024617.D
Acq: 13 May 2025 12:43

Tgt Ion:276 Resp: 991852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 19.0 | 28.4 |
| 138 | 18.4 | 14.4 | 21.6 |



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024618.D
Acq On : 13 May 2025 13:24
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Quant Time: May 13 16:06:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.663 | 152 | 120950 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.434 | 136 | 540452 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.304 | 164 | 362458 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.098 | 188 | 717362 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.521 | 240 | 810498 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.804 | 264 | 929890 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.287 | 112 | 534477 | 75.581 | ng | 0.00 |
| 7) Phenol-d6 | 6.852 | 99 | 712342 | 78.928 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.810 | 82 | 826567 | 77.275 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.810 | 330 | 467808 | 76.132 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 12.904 | 172 | 2076354 | 75.051 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.810 | 244 | 3647961 | 77.176 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.228 | 88 | 122181 | 36.795 | ng | 100 |
| 3) Pyridine | 3.622 | 79 | 289809 | 39.360 | ng | 100 |
| 4) n-Nitrosodimethylamine | 3.534 | 42 | 125087 | 38.481 | ng | 100 |
| 6) Aniline | 7.005 | 93 | 463675 | 39.792 | ng | 100 |
| 8) 2-Chlorophenol | 7.240 | 128 | 315079 | 39.249 | ng | 100 |
| 9) Benzaldehyde | 6.822 | 77 | 237579 | 40.735 | ng | 100 |
| 10) Phenol | 6.881 | 94 | 364948 | 39.178 | ng | 100 |
| 11) bis(2-Chloroethyl)ether | 7.099 | 93 | 293331 | 38.322 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 7.552 | 146 | 348242 | 37.705 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 7.699 | 146 | 355533 | 38.274 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 8.010 | 146 | 344980 | 38.112 | ng | 100 |
| 15) Benzyl Alcohol | 7.905 | 79 | 277892 | 40.518 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.187 | 45 | 354872 | 38.713 | ng | 100 |
| 17) 2-Methylphenol | 8.110 | 107 | 265962 | 39.808 | ng | 100 |
| 18) Hexachloroethane | 8.728 | 117 | 133224 | 37.426 | ng | 100 |
| 19) n-Nitroso-di-n-propyla... | 8.457 | 70 | 253553 | 40.613 | ng | 100 |
| 20) 3+4-Methylphenols | 8.434 | 107 | 366564 | 40.334 | ng | 100 |
| 22) Acetophenone | 8.475 | 105 | 521603 | 38.637 | ng | 100 |
| 24) Nitrobenzene | 8.852 | 77 | 363767 | 38.645 | ng | 100 |
| 25) Isophorone | 9.375 | 82 | 727081 | 39.187 | ng | 100 |
| 26) 2-Nitrophenol | 9.563 | 139 | 185587 | 40.236 | ng | 100 |
| 27) 2,4-Dimethylphenol | 9.628 | 122 | 322227 | 39.623 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 9.851 | 93 | 430958 | 38.877 | ng | 100 |
| 29) 2,4-Dichlorophenol | 10.093 | 162 | 314830 | 39.950 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 10.299 | 180 | 330659 | 37.234 | ng | 100 |
| 31) Naphthalene | 10.481 | 128 | 1059316 | 37.824 | ng | 100 |
| 32) Benzoic acid | 9.775 | 122 | 180610 | 34.055 | ng | 100 |
| 33) 4-Chloroaniline | 10.599 | 127 | 452150 | 40.008 | ng | 100 |
| 34) Hexachlorobutadiene | 10.763 | 225 | 213978 | 37.194 | ng | 100 |
| 35) Caprolactam | 11.387 | 113 | 118047 | 41.426 | ng | 100 |
| 36) 4-Chloro-3-methylphenol | 11.734 | 107 | 385077 | 40.069 | ng | 100 |
| 37) 2-Methylnaphthalene | 12.093 | 142 | 692133 | 38.166 | ng | 100 |
| 38) 1-Methylnaphthalene | 12.316 | 142 | 745849 | 38.439 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.469 | 216 | 398230 | 37.835 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 12.445 | 237 | 258329 | 40.476 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 12.716 | 196 | 268675 | 39.410 | ng | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024618.D
Acq On : 13 May 2025 13:24
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Quant Time: May 13 16:06:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.798 | 196 | 293079 | 38.621 | ng | 100 |
| 46) 1,1'-Biphenyl | 13.116 | 154 | 1002344 | 37.415 | ng | 100 |
| 47) 2-Chloronaphthalene | 13.157 | 162 | 771952 | 37.792 | ng | 100 |
| 48) 2-Nitroaniline | 13.375 | 65 | 242485 | 40.097 | ng | 100 |
| 49) Acenaphthylene | 14.016 | 152 | 1307740 | 38.257 | ng | 100 |
| 50) Dimethylphthalate | 13.757 | 163 | 1051056 | 38.045 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.881 | 165 | 226086 | 38.749 | ng | 100 |
| 52) Acenaphthene | 14.363 | 154 | 745335 | 37.928 | ng | 100 |
| 53) 3-Nitroaniline | 14.216 | 138 | 246561 | 41.386 | ng | 100 |
| 54) 2,4-Dinitrophenol | 14.428 | 184 | 124517 | 37.537 | ng | 100 |
| 55) Dibenzofuran | 14.698 | 168 | 1183806 | 37.767 | ng | 100 |
| 56) 4-Nitrophenol | 14.551 | 139 | 186112 | 38.408 | ng | 100 |
| 57) 2,4-Dinitrotoluene | 14.681 | 165 | 329156 | 40.015 | ng | 100 |
| 58) Fluorene | 15.357 | 166 | 968487 | 37.893 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.939 | 232 | 274384 | 38.977 | ng | 100 |
| 60) Diethylphthalate | 15.139 | 149 | 1046478 | 37.478 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.357 | 204 | 475327 | 37.292 | ng | 100 |
| 62) 4-Nitroaniline | 15.392 | 138 | 239212 | 41.240 | ng | 100 |
| 63) Azobenzene | 15.651 | 77 | 906274 | 37.940 | ng | 100 |
| 65) 4,6-Dinitro-2-methylph... | 15.457 | 198 | 184593 | 39.837 | ng | 100 |
| 66) n-Nitrosodiphenylamine | 15.581 | 169 | 851188 | 38.630 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.263 | 248 | 323558 | 38.277 | ng | 100 |
| 68) Hexachlorobenzene | 16.381 | 284 | 403916 | 37.605 | ng | 100 |
| 69) Atrazine | 16.557 | 200 | 312226 | 38.666 | ng | 100 |
| 70) Pentachlorophenol | 16.745 | 266 | 246828 | 40.913 | ng | 100 |
| 71) Phenanthrene | 17.133 | 178 | 1507602 | 37.804 | ng | 100 |
| 72) Anthracene | 17.228 | 178 | 1542275 | 38.439 | ng | 100 |
| 73) Carbazole | 17.516 | 167 | 1436294 | 39.551 | ng | 100 |
| 74) Di-n-butylphthalate | 18.098 | 149 | 1807097 | 38.692 | ng | 100 |
| 75) Fluoranthene | 19.216 | 202 | 1794046 | 38.486 | ng | 100 |
| 77) Benzidine | 19.416 | 184 | 907109 | 40.774 | ng | 100 |
| 78) Pyrene | 19.592 | 202 | 1869519 | 38.497 | ng | 100 |
| 80) Butylbenzylphthalate | 20.539 | 149 | 854913 | 39.583 | ng | 100 |
| 81) Benzo(a)anthracene | 21.504 | 228 | 1957632 | 38.466 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.427 | 252 | 773866 | 40.940 | ng | 100 |
| 83) Chrysene | 21.569 | 228 | 1833959 | 38.014 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.439 | 149 | 1240956 | 39.091 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.692 | 149 | 2074694 | 39.965 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.515 | 276 | 2648648 | 39.003 | ng | 100 |
| 88) Benzo(b)fluoranthene | 23.757 | 252 | 2050806 | 38.531 | ng | 100 |
| 89) Benzo(k)fluoranthene | 23.827 | 252 | 2120721 | 38.667 | ng | 100 |
| 90) Benzo(a)pyrene | 24.645 | 252 | 1979017 | 38.714 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 28.598 | 278 | 2170712 | 39.304 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 29.662 | 276 | 2132921 | 38.836 | ng | 100 |

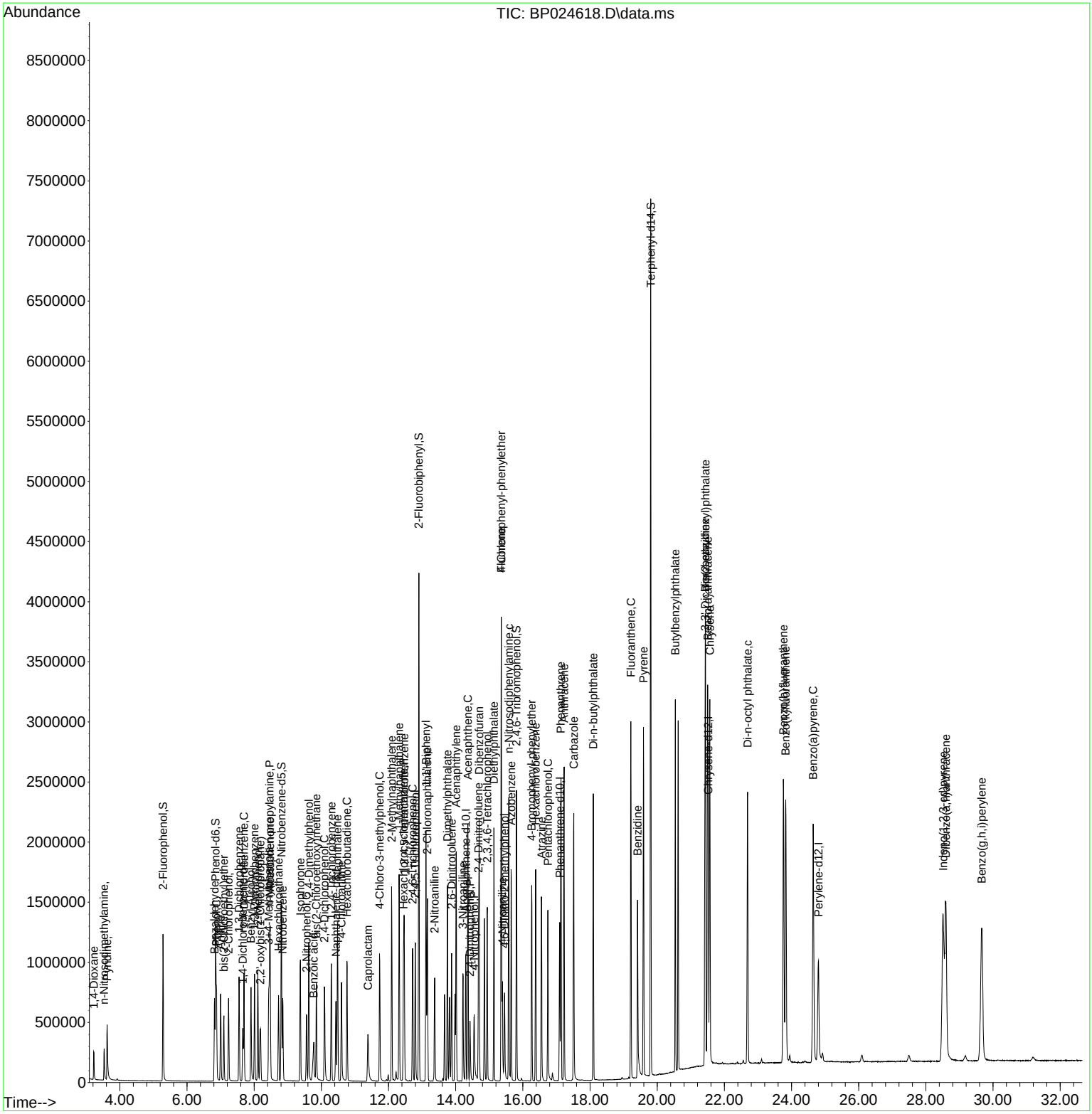
(#) = qualifier out of range (m) = manual integration (+) = signals summed

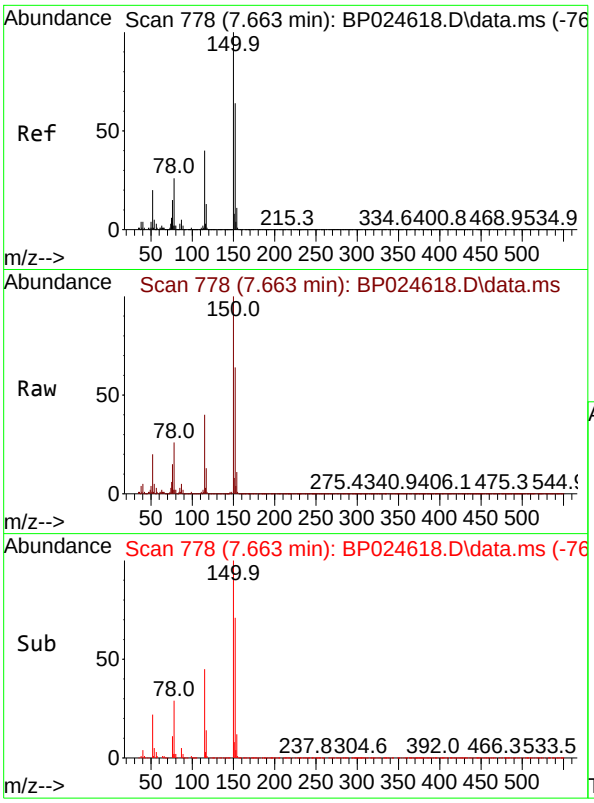
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024618.D
Acq On : 13 May 2025 13:24
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Quant Time: May 13 16:06:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration



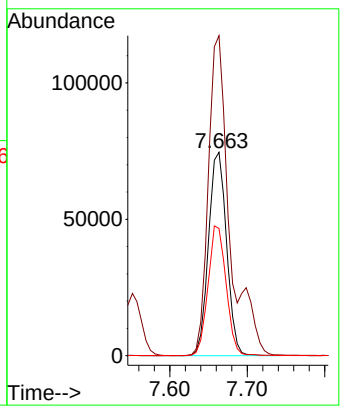


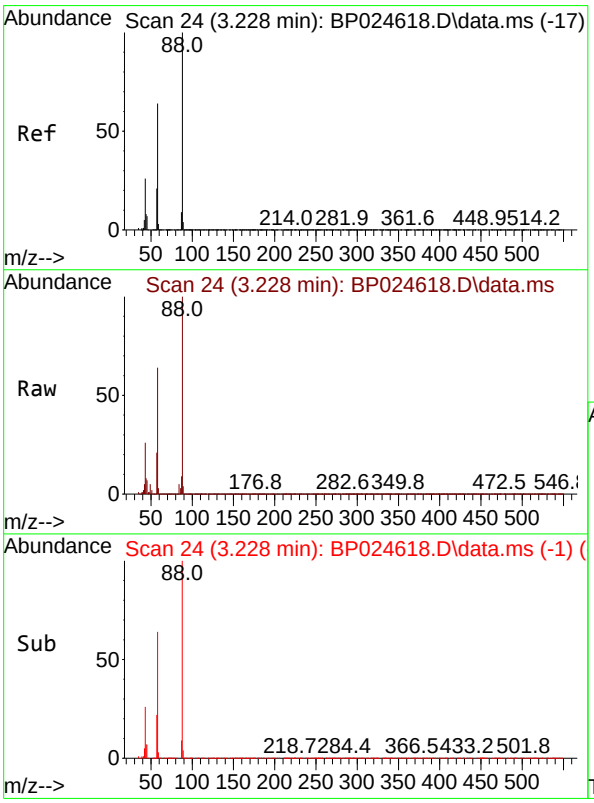

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:152 Resp: 120950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.4 | 125.9 | 188.9 |
| 115 | 62.6 | 50.1 | 75.1 |

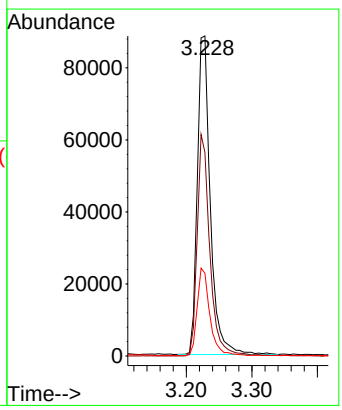


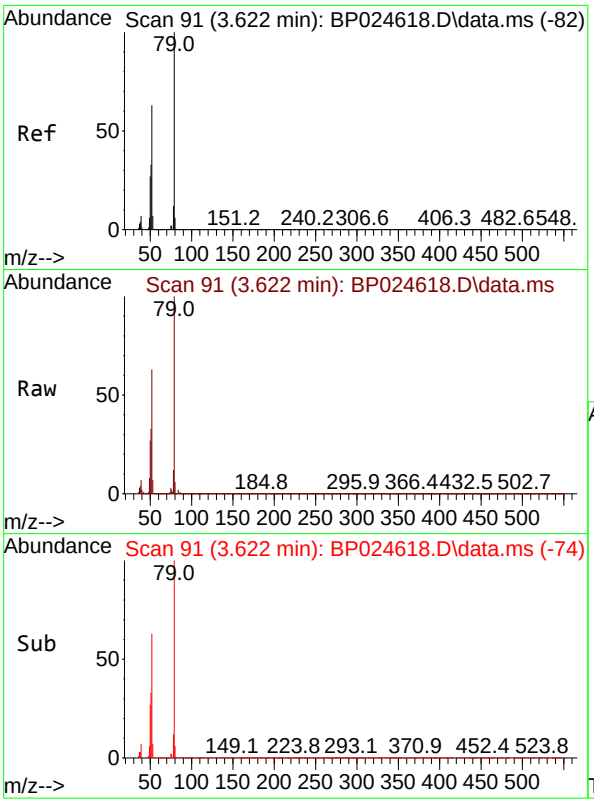




#2
1,4-Dioxane
Concen: 36.795 ng
RT: 3.228 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 88 Resp: 122181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 67.5 | 54.0 | 81.0 |
| 43 | 26.7 | 21.4 | 32.0 |



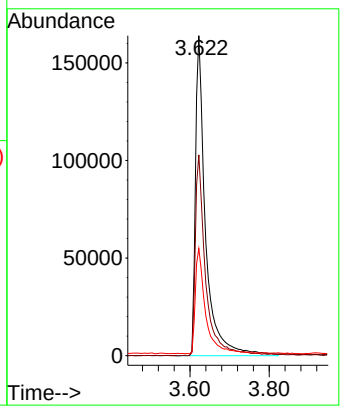


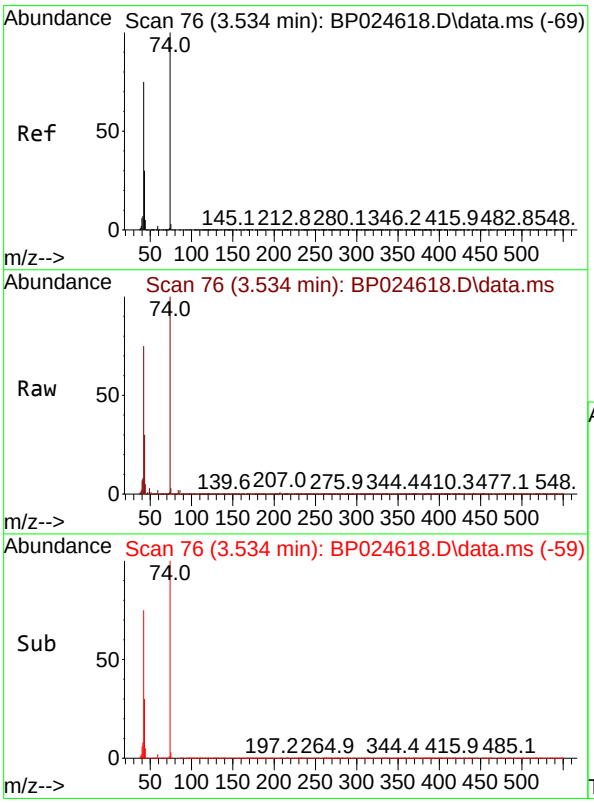

#3
Pyridine
Concen: 39.360 ng
RT: 3.622 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 79 Resp: 289809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 62.7 | 50.2 | 75.2 |
| 51 | 33.5 | 26.8 | 40.2 |

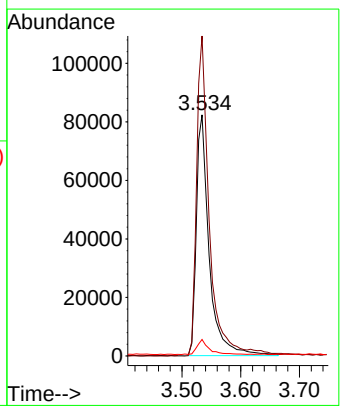


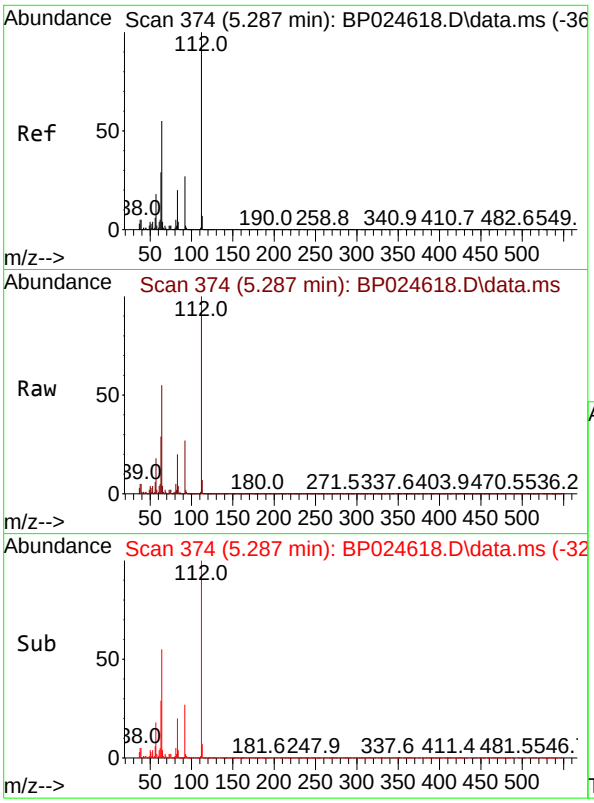




#4
n-Nitrosodimethylamine
Concen: 38.481 ng
RT: 3.534 min Scan# 76
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 42 Resp: 125087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 132.7 | 106.2 | 159.2 |
| 44 | 6.8 | 5.4 | 8.2 |



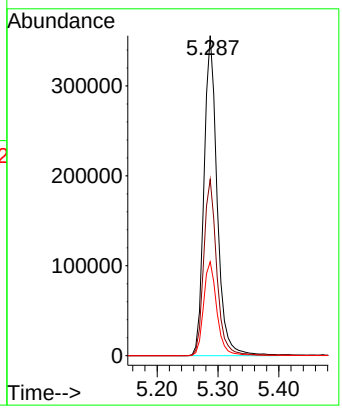


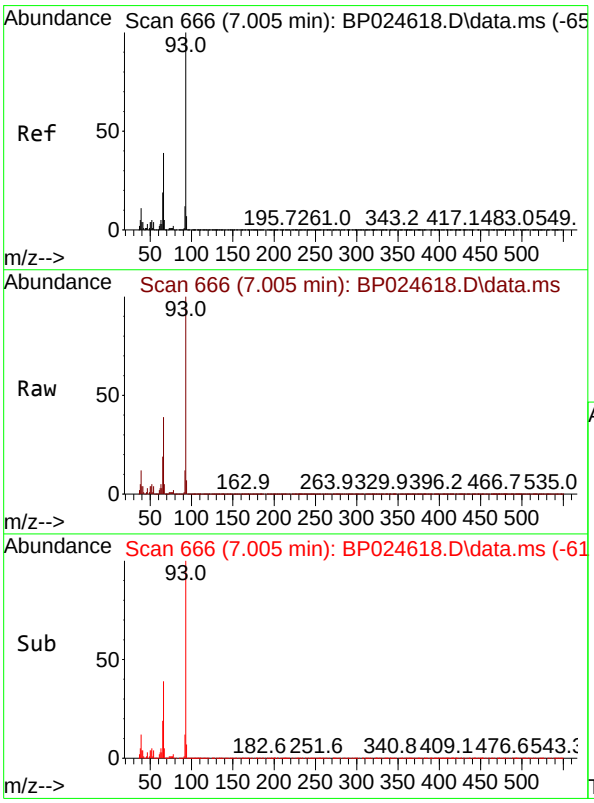

#5
2-Fluorophenol
Concen: 75.581 ng
RT: 5.287 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:112 Resp: 534477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 55.1 | 44.1 | 66.1 |
| 63 | 29.4 | 23.5 | 35.3 |

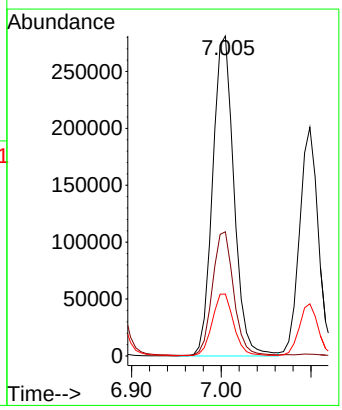


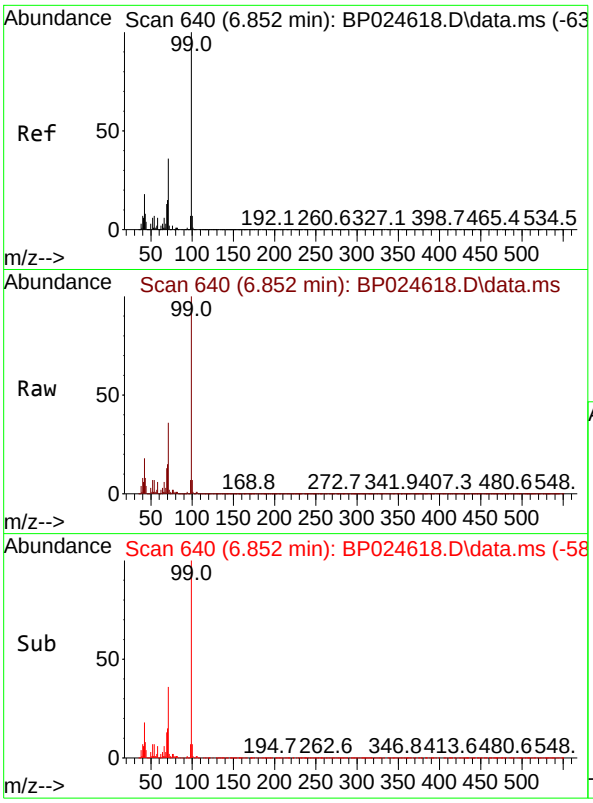




#6
Aniline
Concen: 39.792 ng
RT: 7.005 min Scan# 666
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 93 Resp: 463675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 38.8 | 31.0 | 46.6 |
| 65 | 19.4 | 15.5 | 23.3 |



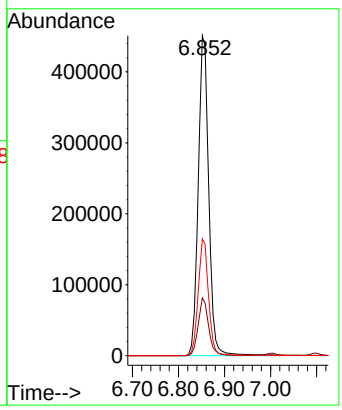


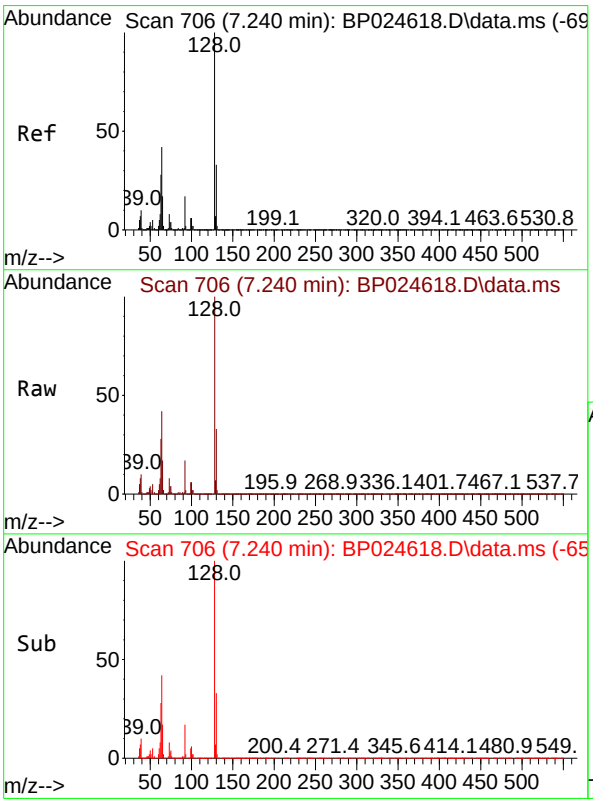

#7
Phenol-d6
Concen: 78.928 ng
RT: 6.852 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 99 Resp: 712342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.0 | 14.4 | 21.6 |
| 71 | 36.5 | 29.2 | 43.8 |

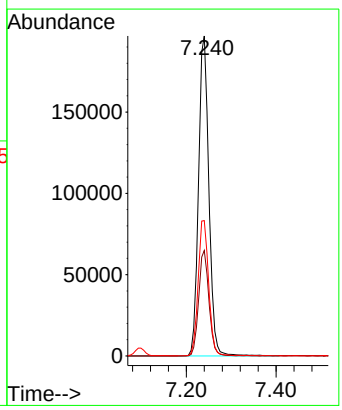


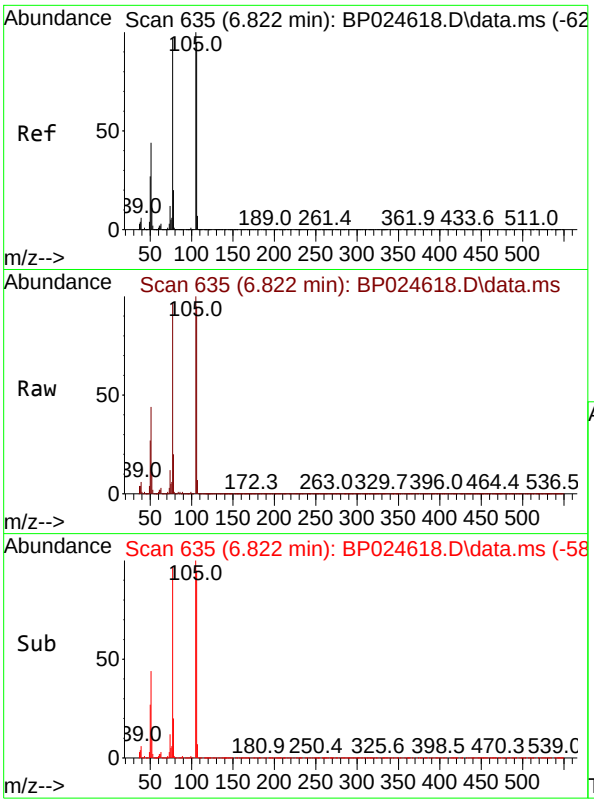




#8
2-Chlorophenol
Concen: 39.249 ng
RT: 7.240 min Scan# 706
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:128 Resp: 315079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.0 | 13.0 | 53.0 |
| 64 | 42.3 | 22.3 | 62.3 |



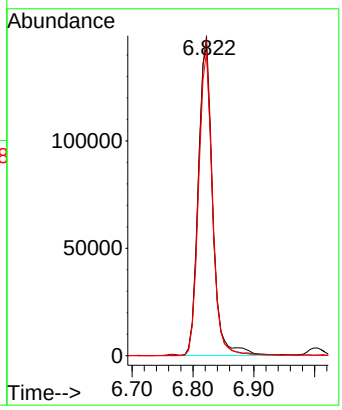


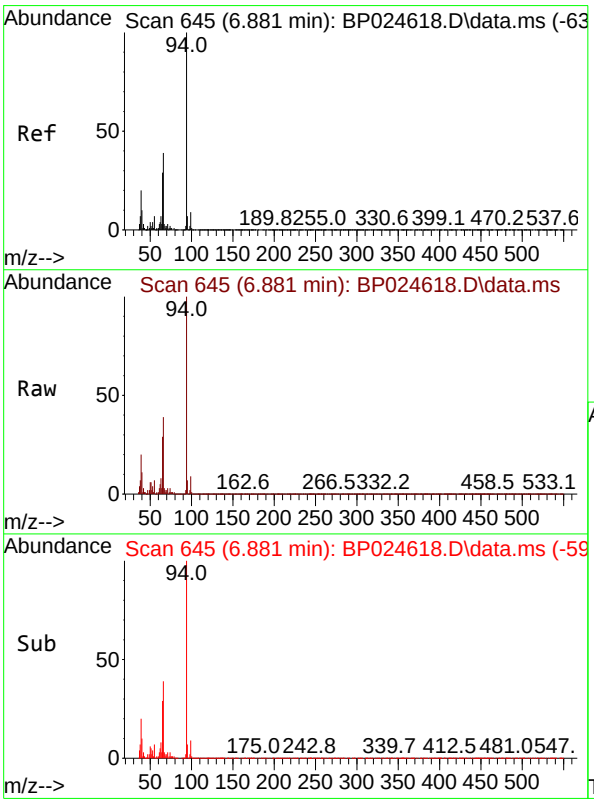

#9
Benzaldehyde
Concen: 40.735 ng
RT: 6.822 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 77 Resp: 237579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 103.3 | 83.3 | 123.3 |
| 106 | 98.0 | 78.0 | 118.0 |

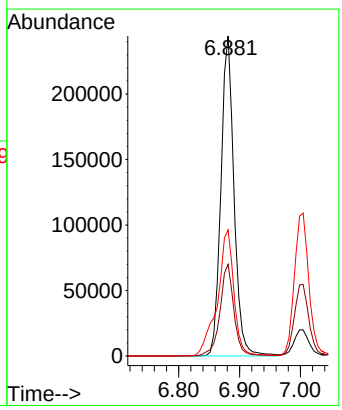


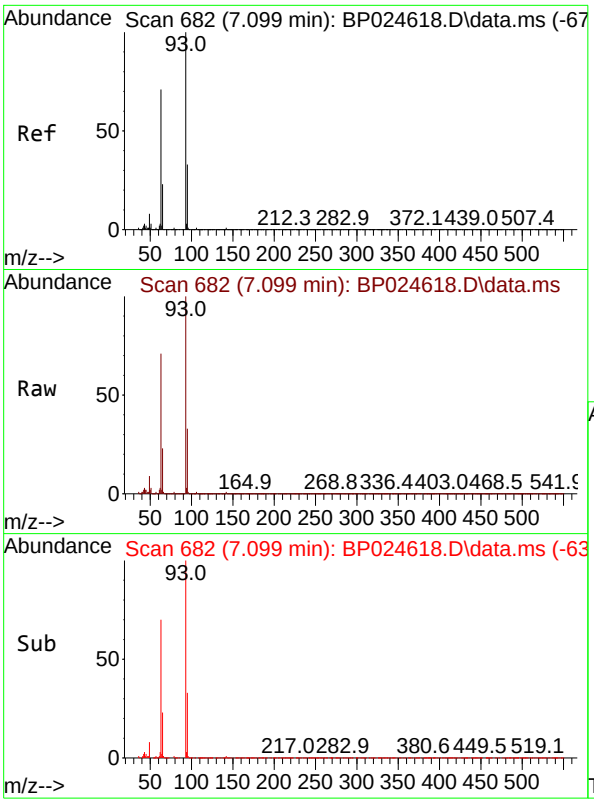




#10
Phenol
Concen: 39.178 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 94 Resp: 364948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.7 | 8.7 | 48.7 |
| 66 | 39.4 | 19.4 | 59.4 |



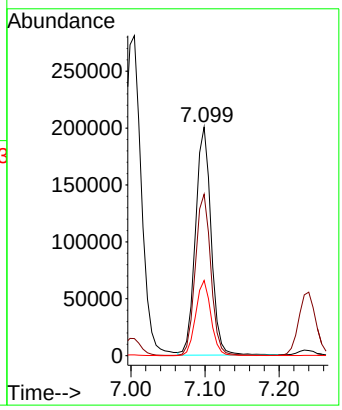


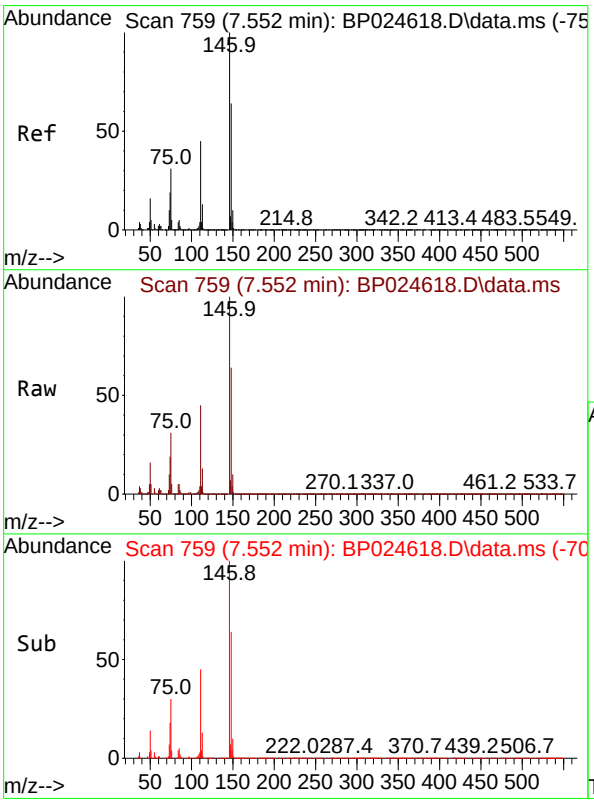

#11
bis(2-Chloroethyl)ether
Concen: 38.322 ng
RT: 7.099 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 93 Resp: 293331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 70.6 | 50.6 | 90.6 |
| 95 | 32.9 | 12.9 | 52.9 |

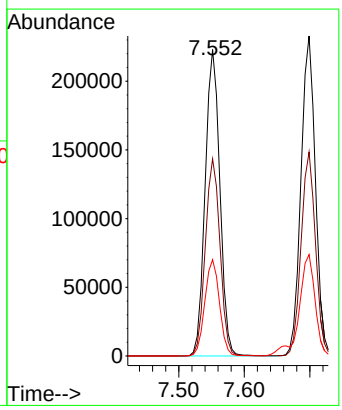


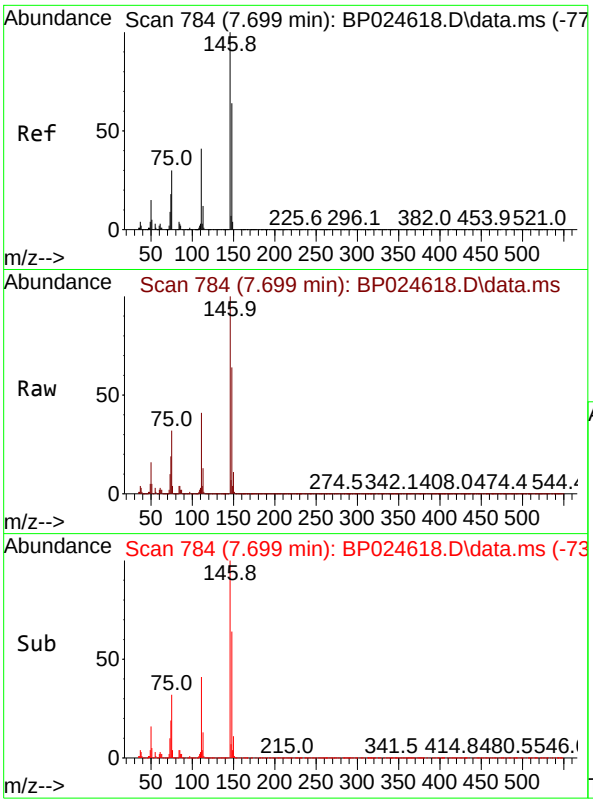




#12
1,3-Dichlorobenzene
Concen: 37.705 ng
RT: 7.552 min Scan# 759
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:146 Resp: 348242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.3 | 51.4 | 77.2 |
| 75 | 31.5 | 25.2 | 37.8 |



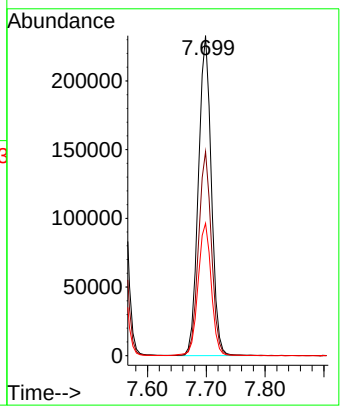


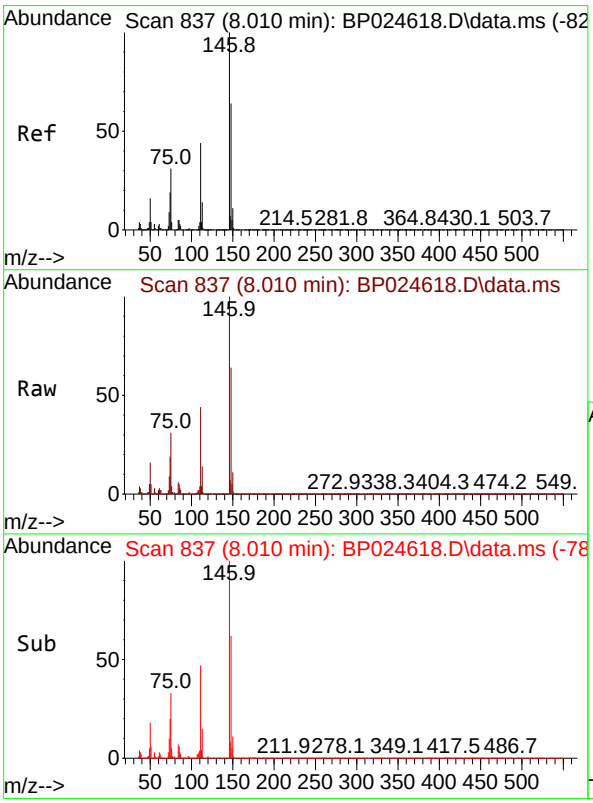

#13
1,4-Dichlorobenzene
Concen: 38.274 ng
RT: 7.699 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:146 Resp: 355533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 51.0 | 76.6 |
| 111 | 41.3 | 33.0 | 49.6 |

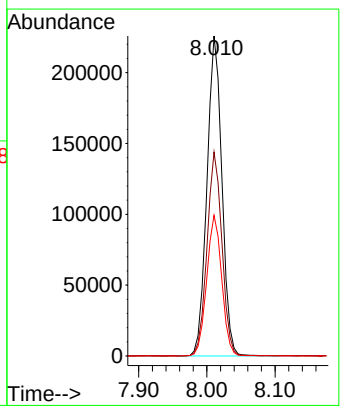


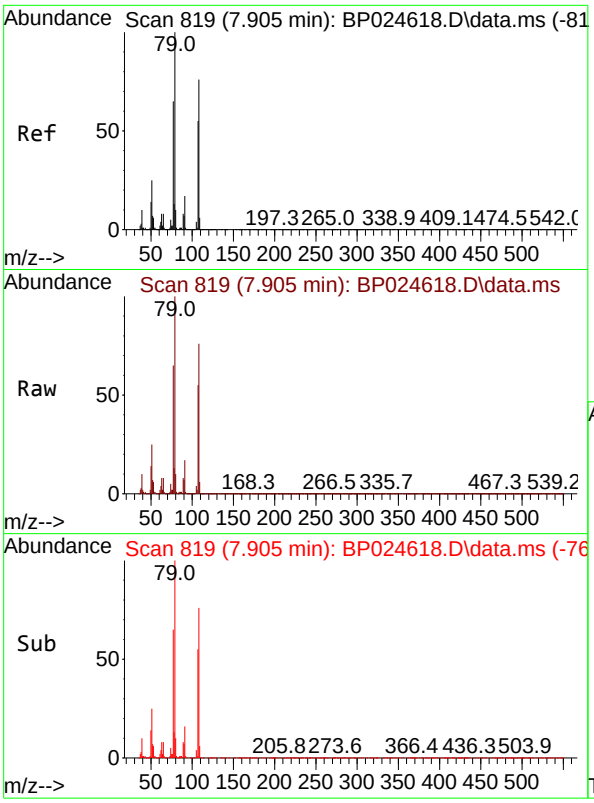




#14
1,2-Dichlorobenzene
Concen: 38.112 ng
RT: 8.010 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:146 Resp: 344980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.7 | 51.0 | 76.4 |
| 111 | 44.0 | 35.2 | 52.8 |



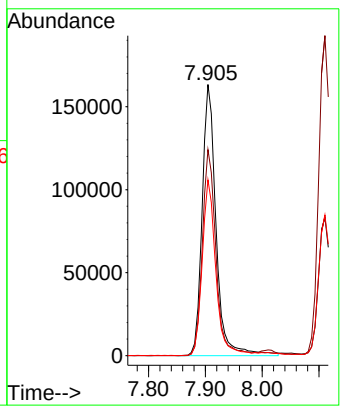


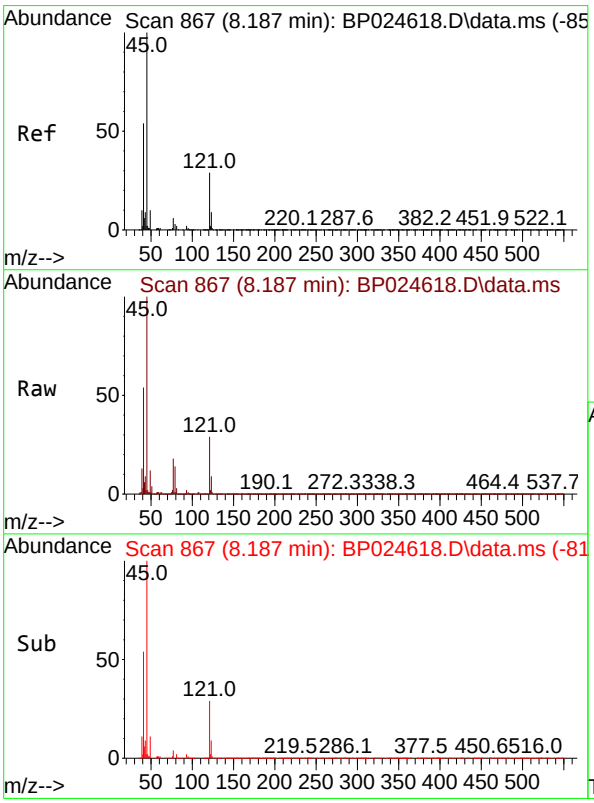

#15
Benzyl Alcohol
Concen: 40.518 ng
RT: 7.905 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 79 Resp: 277892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.0 | 60.8 | 91.2 |
| 77 | 64.9 | 51.9 | 77.9 |

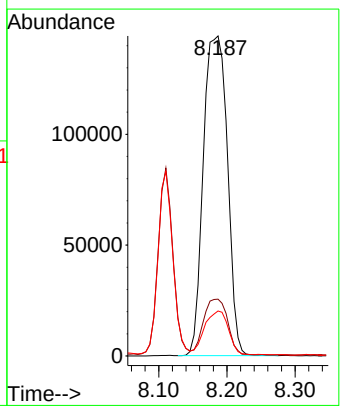


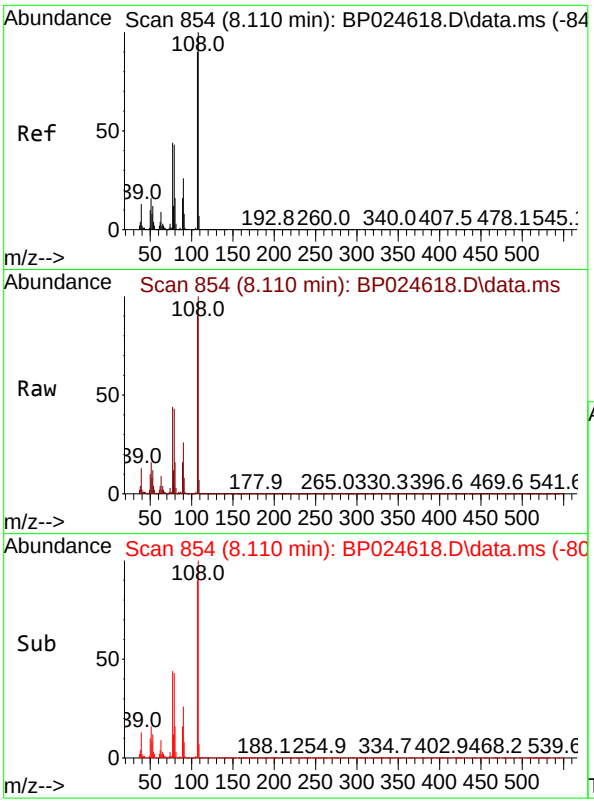




#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.713 ng
RT: 8.187 min Scan# 867
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 45 Resp: 354872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 17.7 | 0.0 | 37.7 |
| 79 | 14.0 | 0.0 | 34.0 |



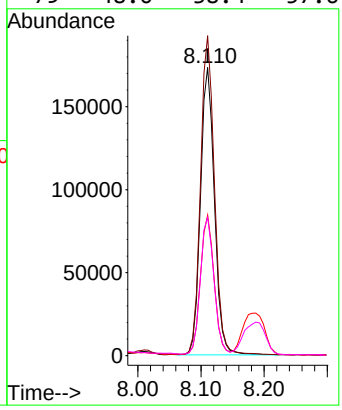


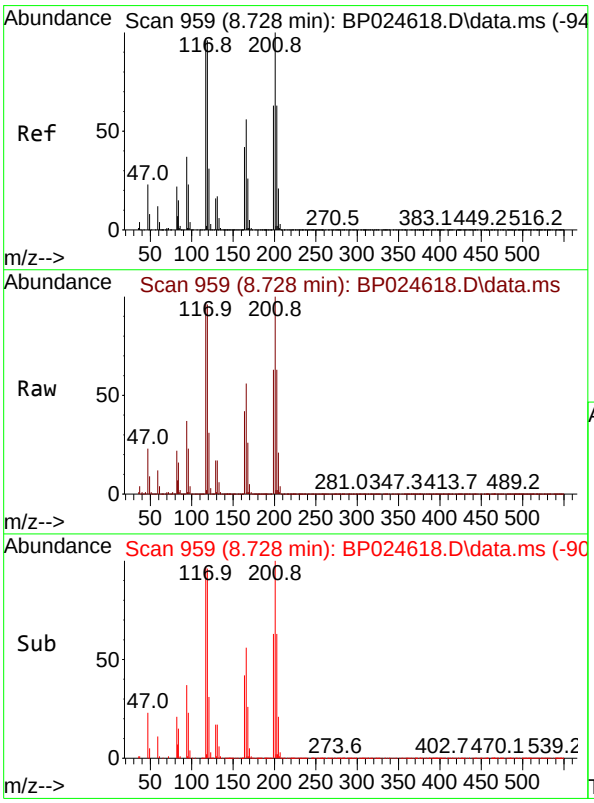

#17
2-Methylphenol
Concen: 39.808 ng
RT: 8.110 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:107 Resp: 265962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.1 | 88.9 | 133.3 |
| 77 | 48.8 | 39.0 | 58.6 |
| 79 | 48.0 | 38.4 | 57.6 |

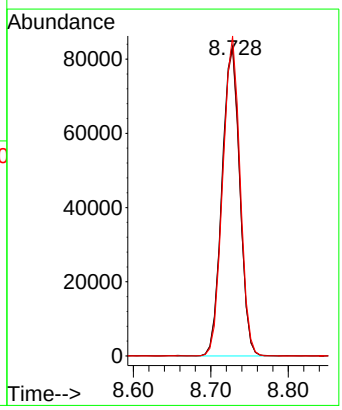


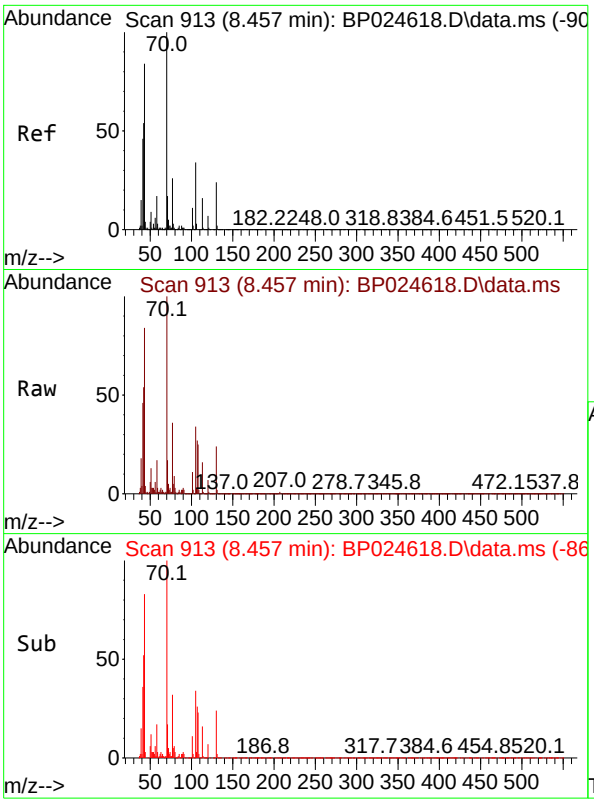




#18
Hexachloroethane
Concen: 37.426 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:117 Resp: 133224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 99.2 | 79.4 | 119.0 |
| 201 | 103.4 | 82.7 | 124.1 |



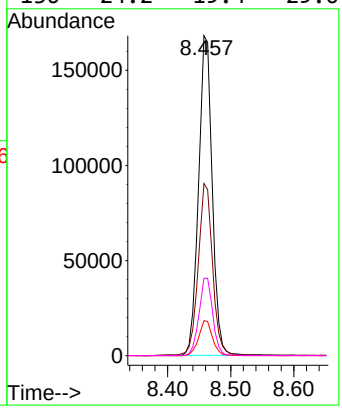


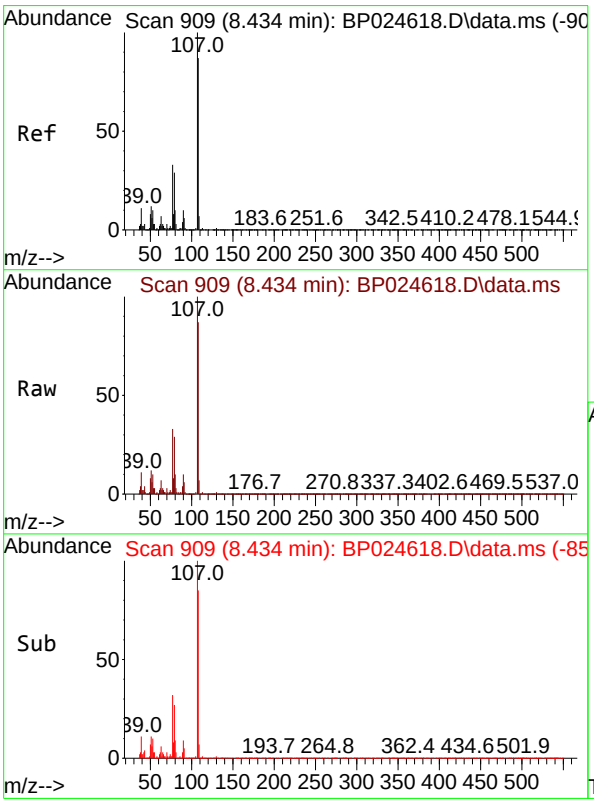

#19
n-Nitroso-di-n-propylamine
Concen: 40.613 ng
RT: 8.457 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 70 Resp: 253553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 53.8 | 43.0 | 64.6 |
| 101 | 10.9 | 8.7 | 13.1 |
| 130 | 24.2 | 19.4 | 29.0 |

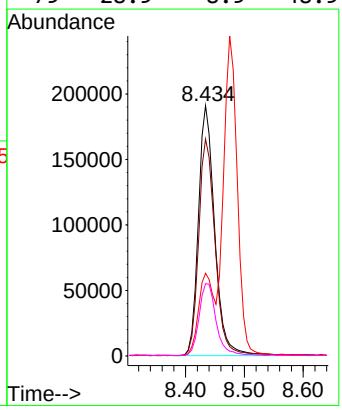


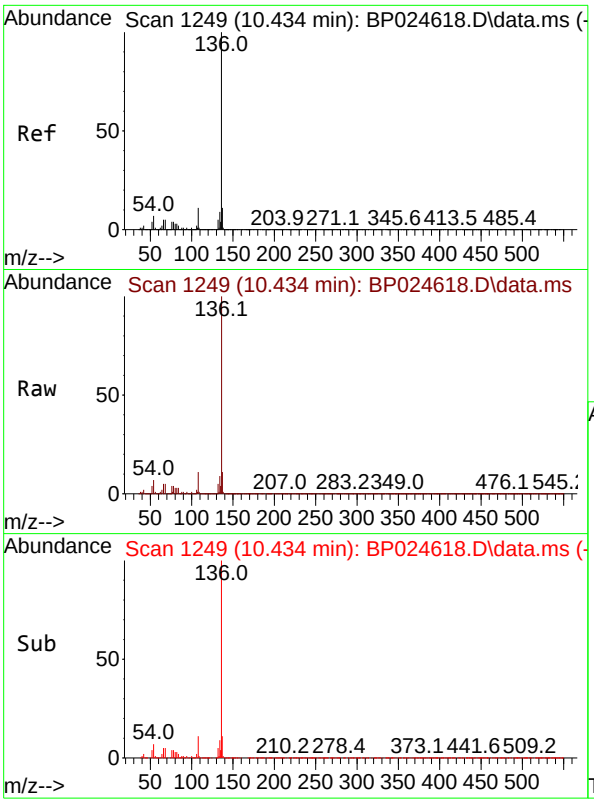




#20
3+4-Methylphenols
Concen: 40.334 ng
RT: 8.434 min Scan# 909
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:107 Resp: 366564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 86.7 | 66.7 | 106.7 |
| 77 | 33.1 | 13.1 | 53.1 |
| 79 | 28.9 | 8.9 | 48.9 |



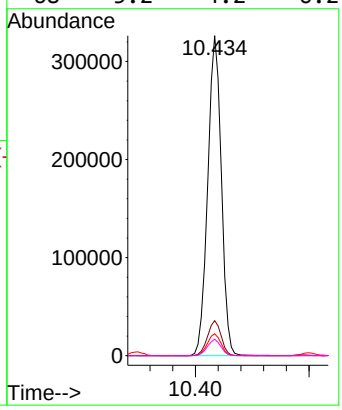


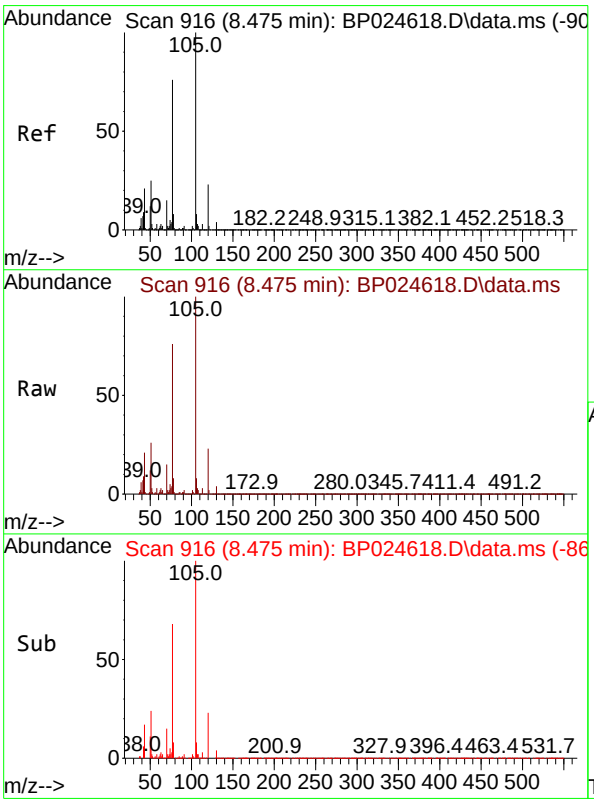

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:136 Resp: 540452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.8 | 13.2 |
| 54 | 6.9 | 5.5 | 8.3 |
| 68 | 5.2 | 4.2 | 6.2 |

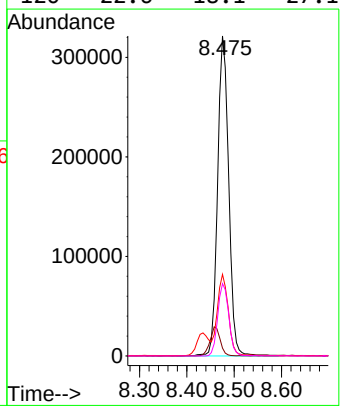


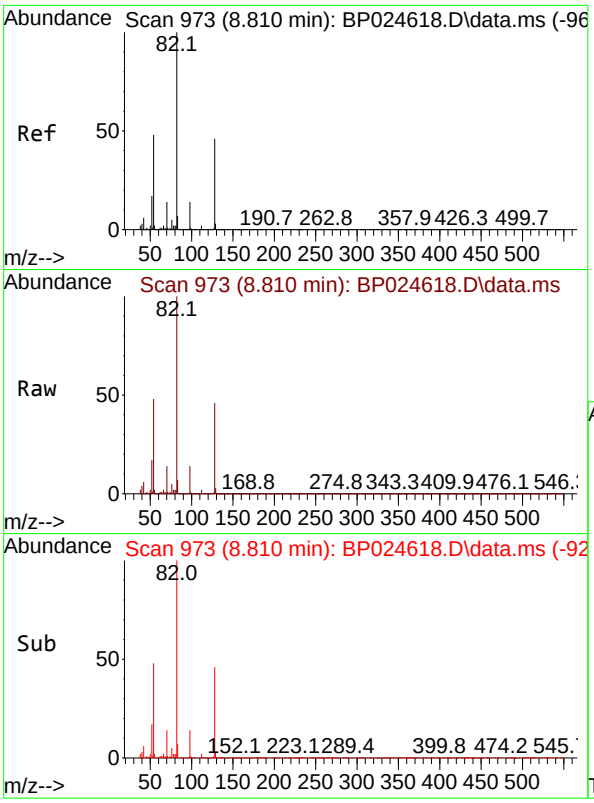




#22
Acetophenone
Concen: 38.637 ng
RT: 8.475 min Scan# 916
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:105 Resp: 521603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 2.5 | 2.0 | 3.0 |
| 51 | 25.5 | 20.4 | 30.6 |
| 120 | 22.6 | 18.1 | 27.1 |



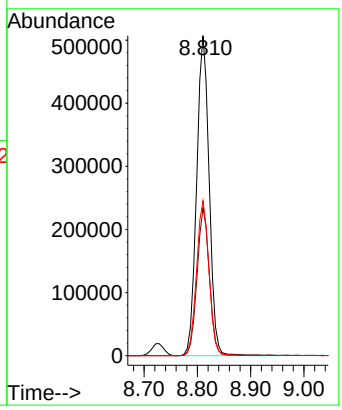


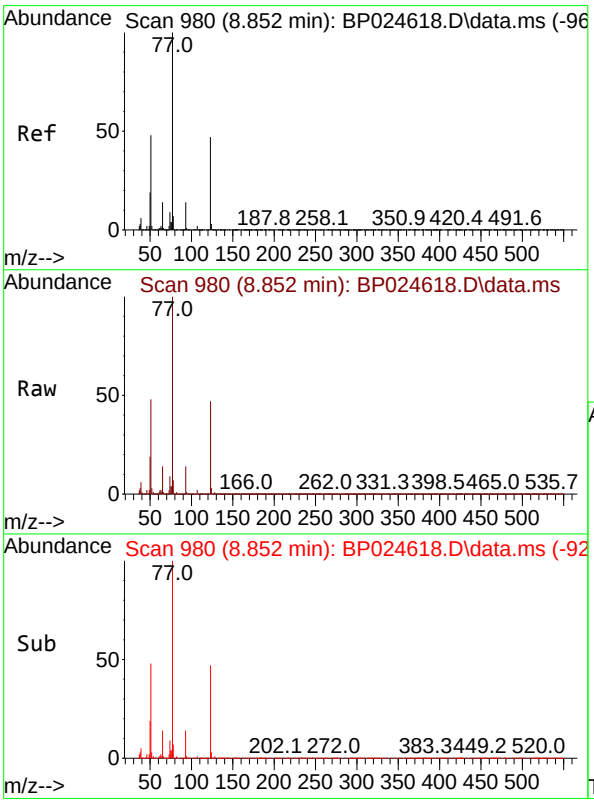

#23
Nitrobenzene-d5
Concen: 77.275 ng
RT: 8.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 82 Resp: 826567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.2 | 37.0 | 55.4 |
| 54 | 48.4 | 38.7 | 58.1 |

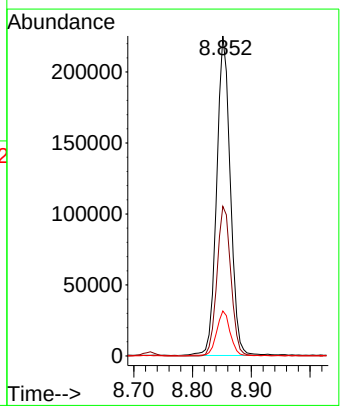


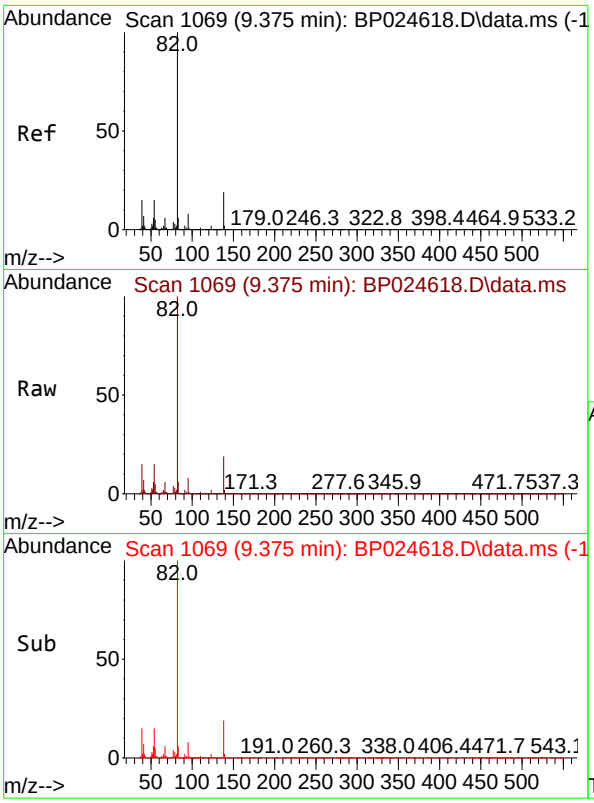




#24
Nitrobenzene
Concen: 38.645 ng
RT: 8.852 min Scan# 980
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 77 Resp: 363767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.7 | 37.4 | 56.0 |
| 65 | 14.1 | 11.3 | 16.9 |



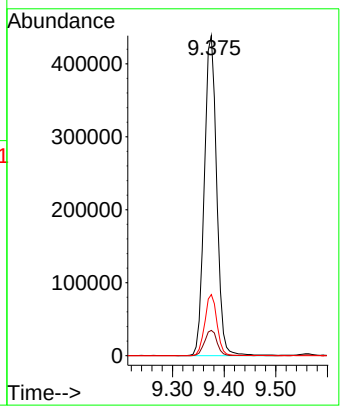


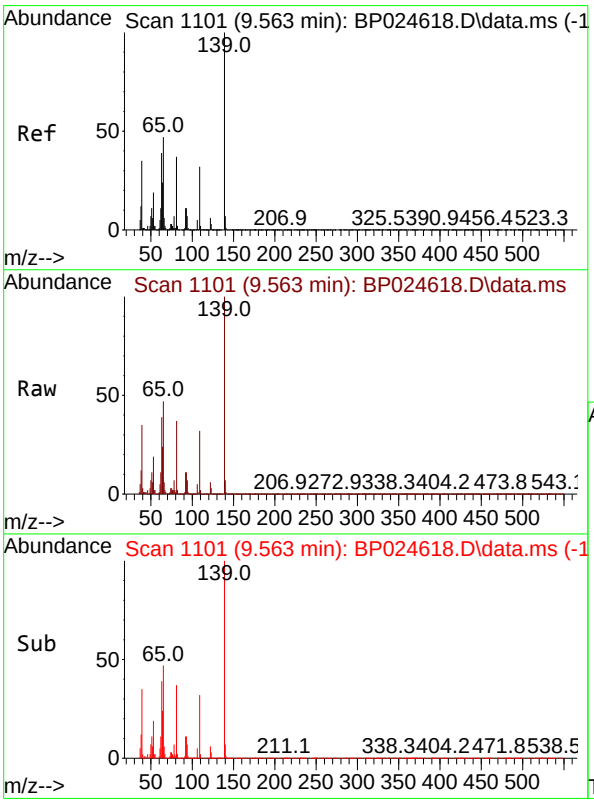

#25
Isophorone
Concen: 39.187 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 82 Resp: 727081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.9 | 6.3 | 9.5 |
| 138 | 19.1 | 15.3 | 22.9 |

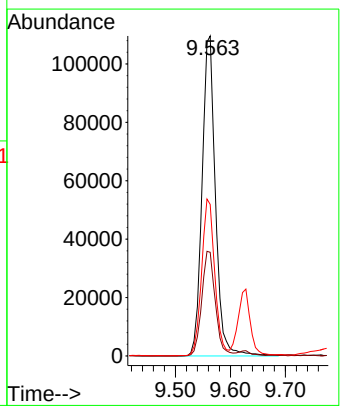


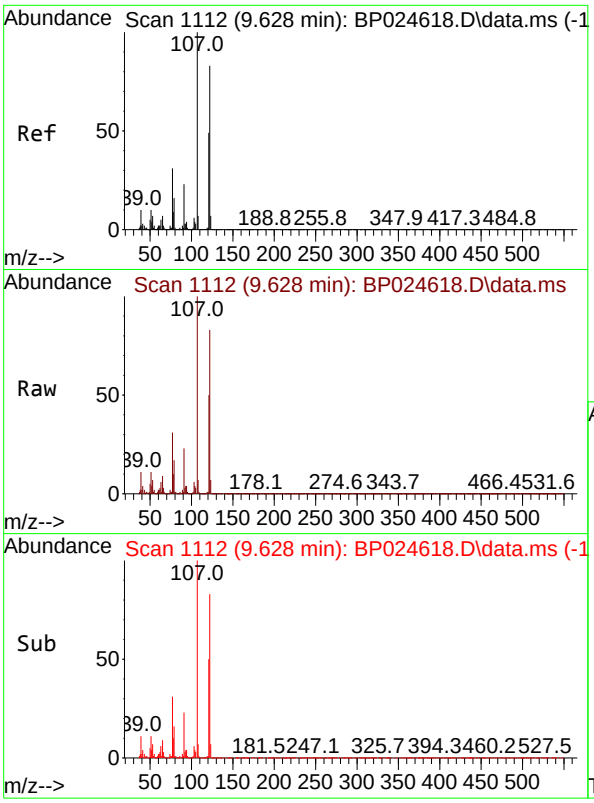




#26
2-Nitrophenol
Concen: 40.236 ng
RT: 9.563 min Scan# 1101
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:139 Resp: 185587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.4 | 25.9 | 38.9 |
| 65 | 47.4 | 37.9 | 56.9 |



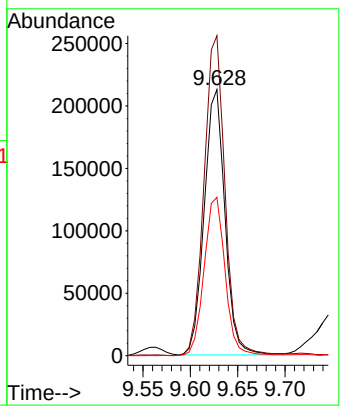


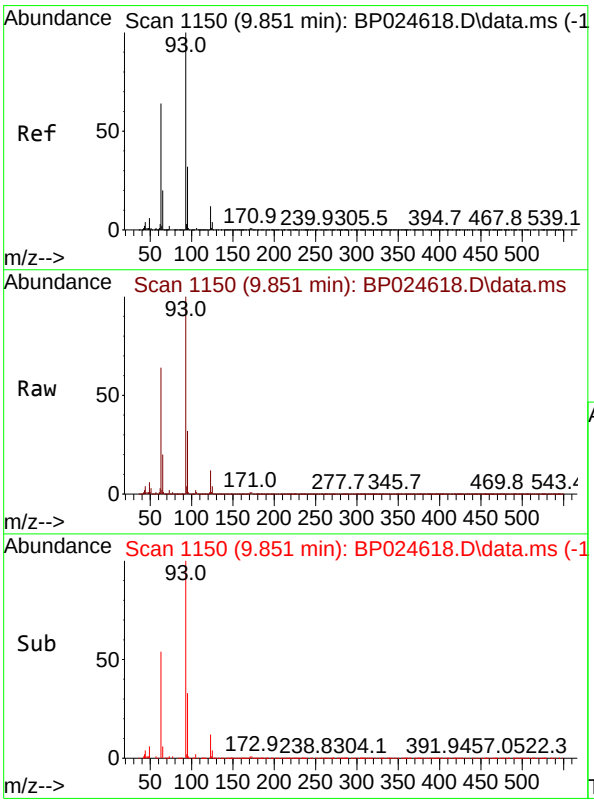

#27
2,4-Dimethylphenol
Concen: 39.623 ng
RT: 9.628 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:122 Resp: 322227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 120.2 | 96.2 | 144.2 |
| 121 | 59.5 | 47.6 | 71.4 |

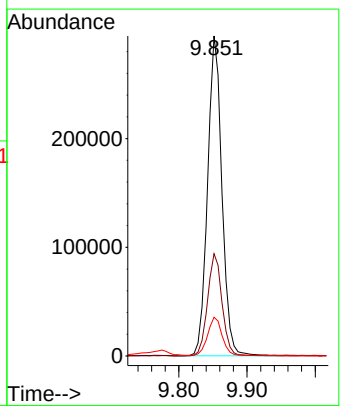


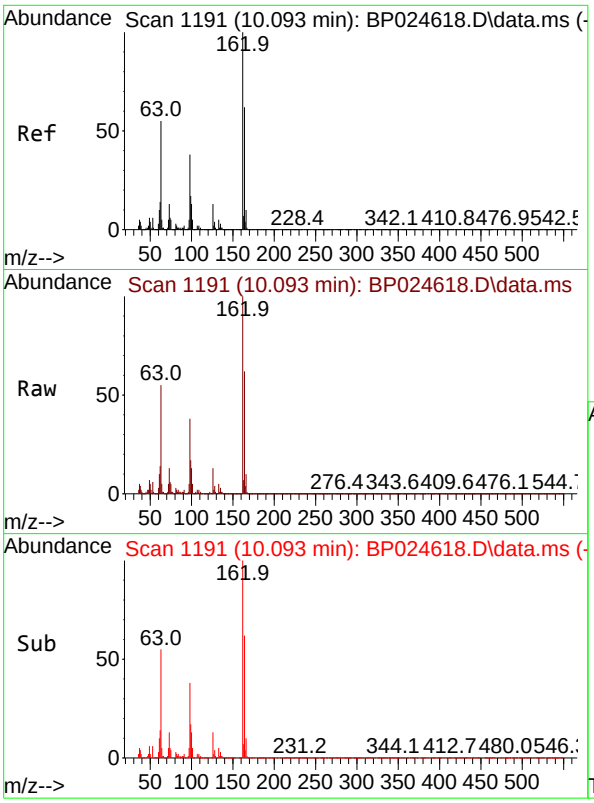




#28
bis(2-Chloroethoxy)methane
Concen: 38.877 ng
RT: 9.851 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 93 Resp: 430958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 31.9 | 25.5 | 38.3 |
| 123 | 12.1 | 9.7 | 14.5 |



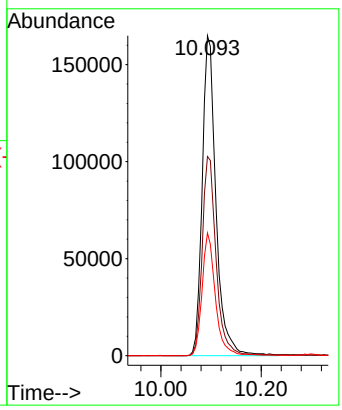


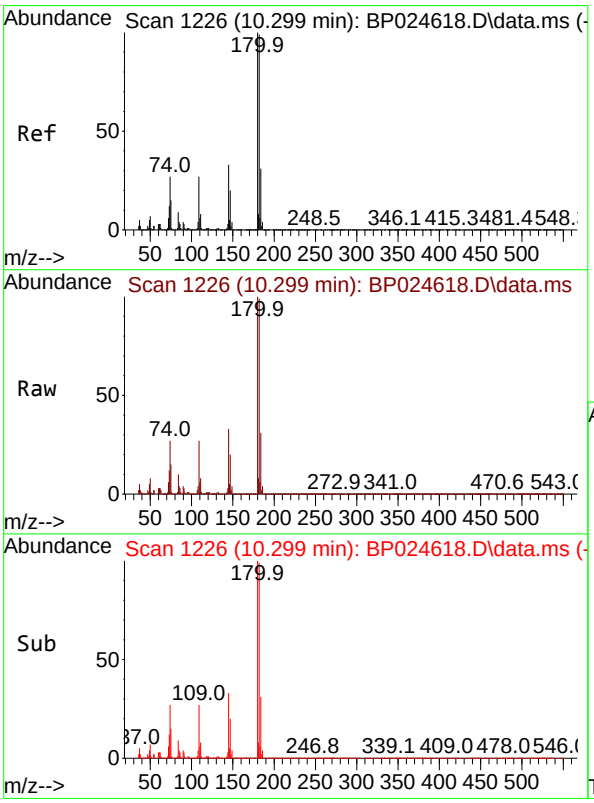

#29
2,4-Dichlorophenol
Concen: 39.950 ng
RT: 10.093 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:162 Resp: 314830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 62.3 | 42.3 | 82.3 |
| 98 | 38.4 | 18.4 | 58.4 |

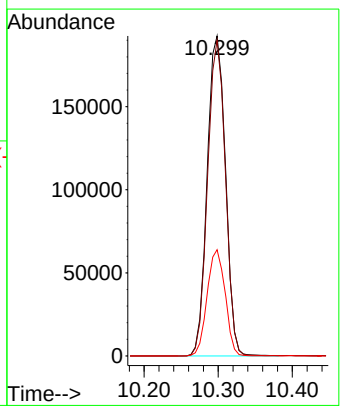


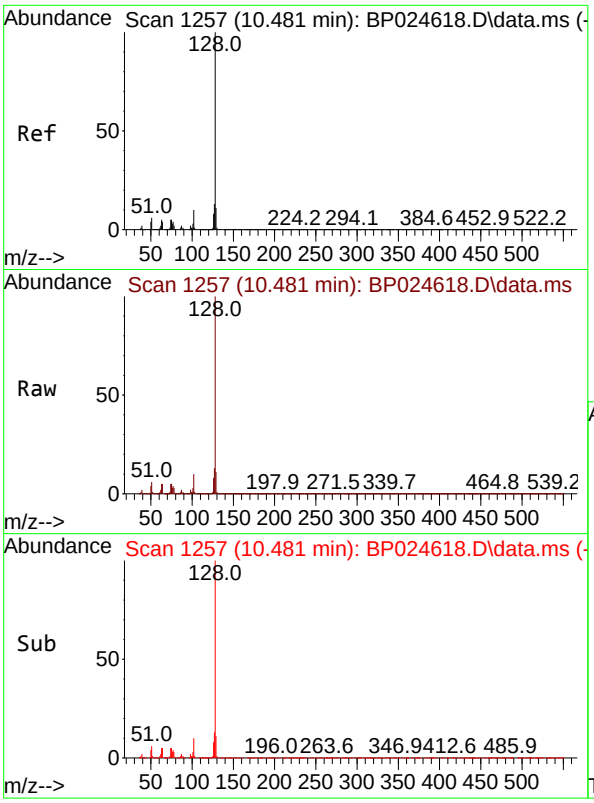




#30
1,2,4-Trichlorobenzene
Concen: 37.234 ng
RT: 10.299 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:180 Resp: 330659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 98.7 | 79.0 | 118.4 |
| 145 | 33.2 | 26.6 | 39.8 |



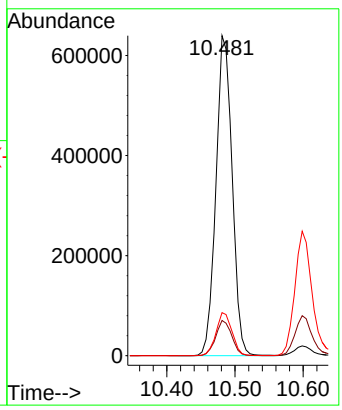


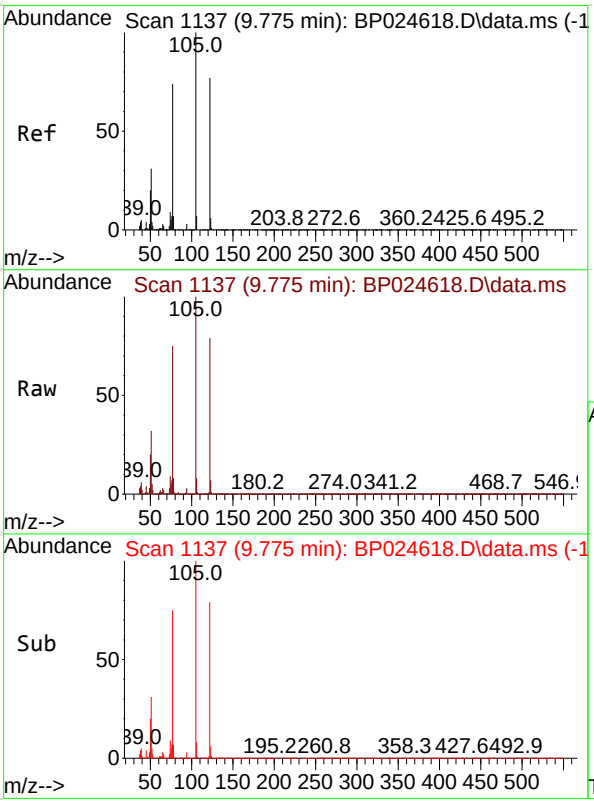

#31
Naphthalene
Concen: 37.824 ng
RT: 10.481 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:128 Resp: 1059316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.8 | 13.2 |
| 127 | 13.4 | 10.7 | 16.1 |

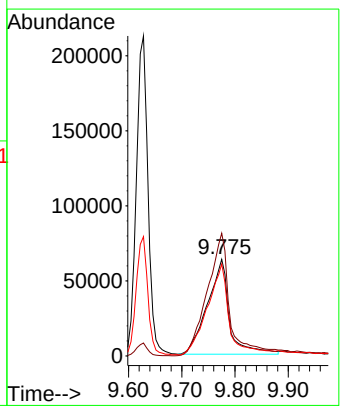


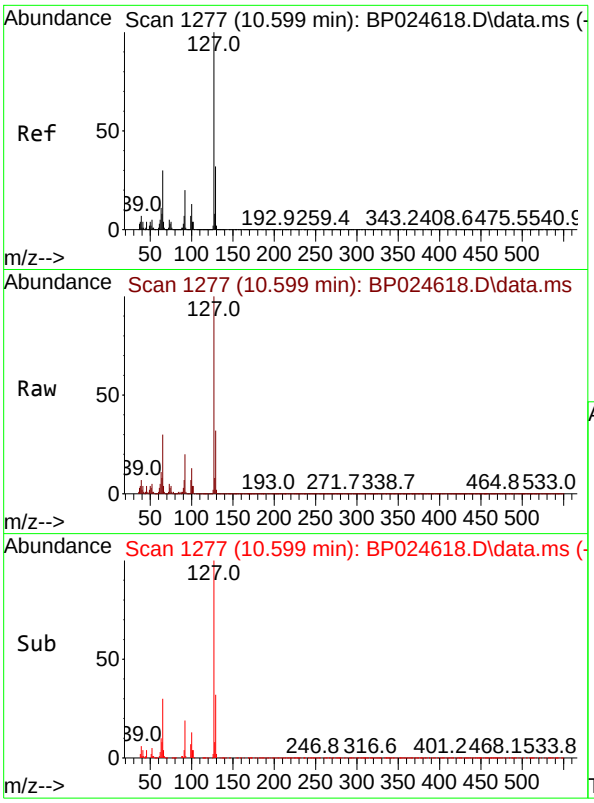




#32
Benzoic acid
Concen: 34.055 ng
RT: 9.775 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:122 Resp: 180610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 126.9 | 106.9 | 146.9 |
| 77 | 95.1 | 75.1 | 115.1 |



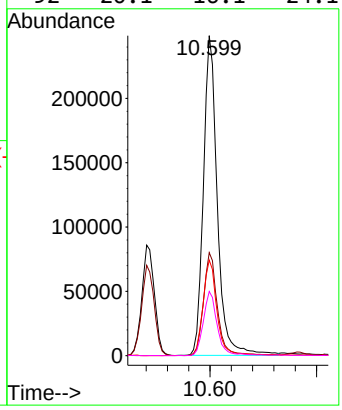


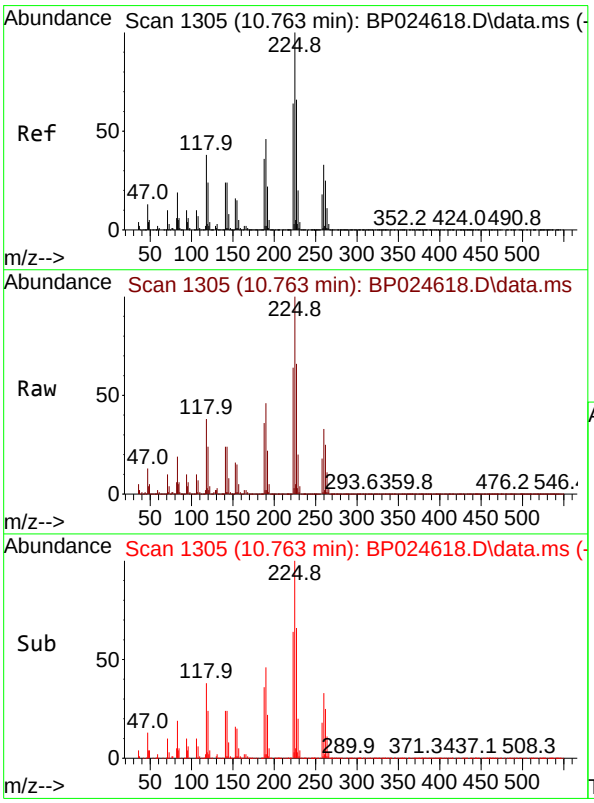

#33
4-Chloroaniline
Concen: 40.008 ng
RT: 10.599 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:127 Resp: 452150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.2 | 25.8 | 38.6 |
| 65 | 29.9 | 23.9 | 35.9 |
| 92 | 20.1 | 16.1 | 24.1 |

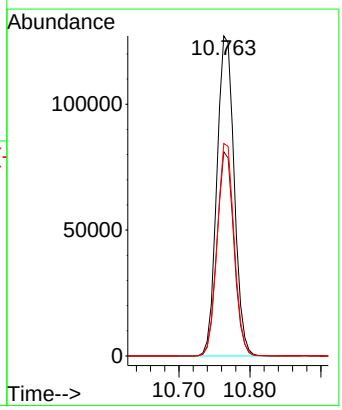


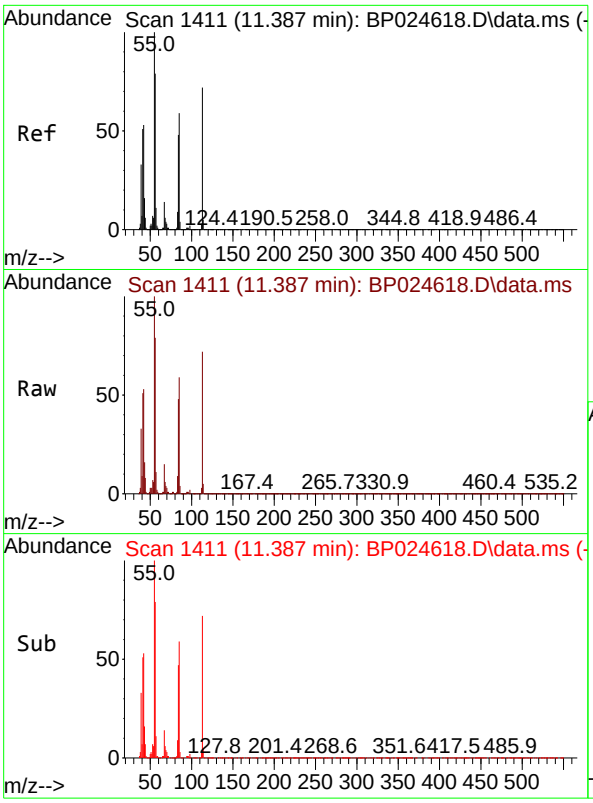




#34
Hexachlorobutadiene
Concen: 37.194 ng
RT: 10.763 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:225 Resp: 213978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.8 | 51.0 | 76.6 |
| 227 | 66.4 | 53.1 | 79.7 |



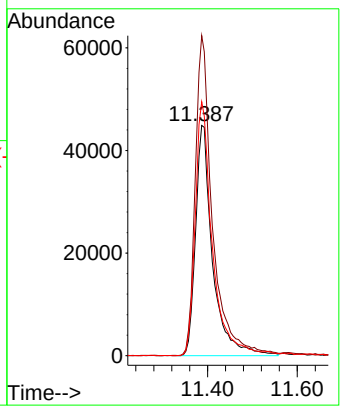


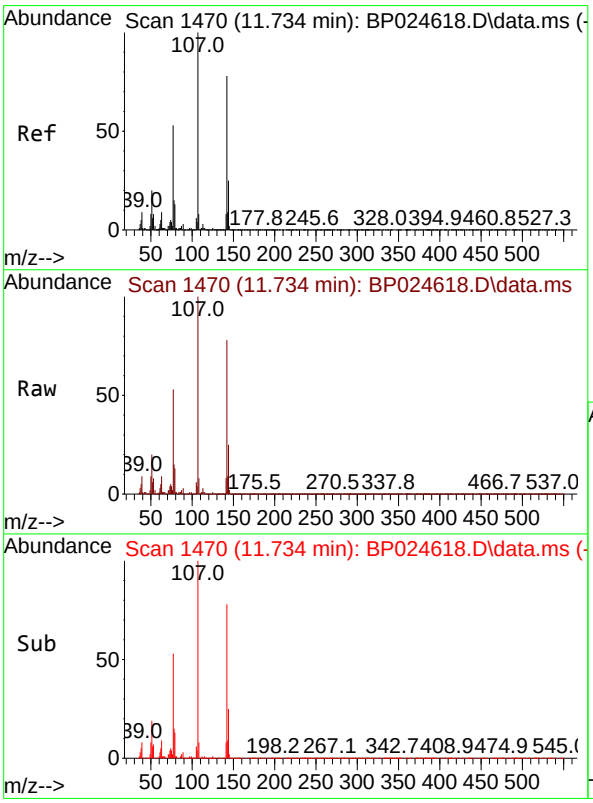

#35
Caprolactam
Concen: 41.426 ng
RT: 11.387 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:113 Resp: 118047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 139.0 | 119.0 | 159.0 |
| 56 | 110.3 | 90.3 | 130.3 |

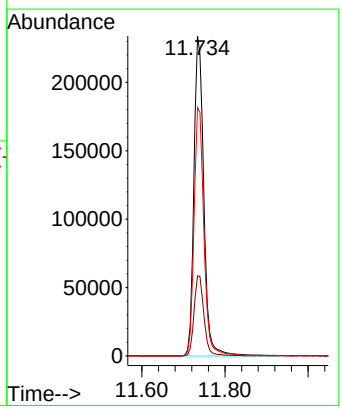


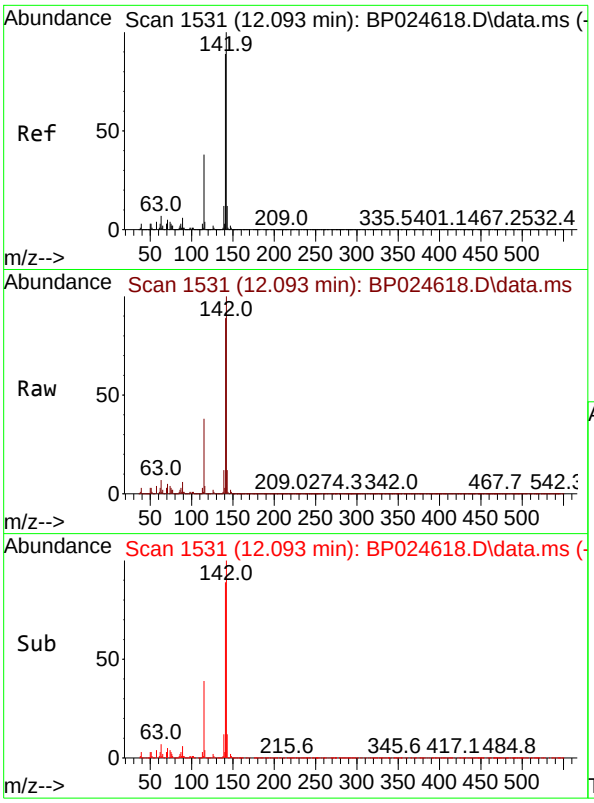




#36
4-Chloro-3-methylphenol
Concen: 40.069 ng
RT: 11.734 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:107 Resp: 385077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.1 | 20.1 | 30.1 |
| 142 | 77.6 | 62.1 | 93.1 |



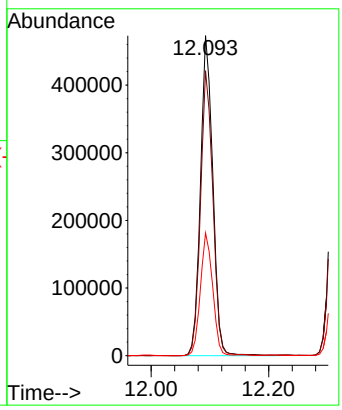


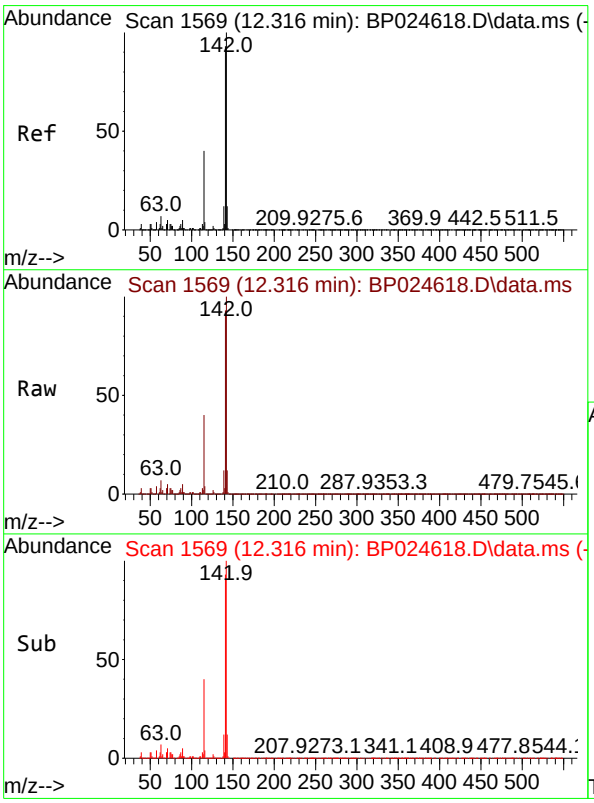

#37
2-Methylnaphthalene
Concen: 38.166 ng
RT: 12.093 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:142 Resp: 692133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.0 | 71.2 | 106.8 |
| 115 | 38.3 | 30.6 | 46.0 |

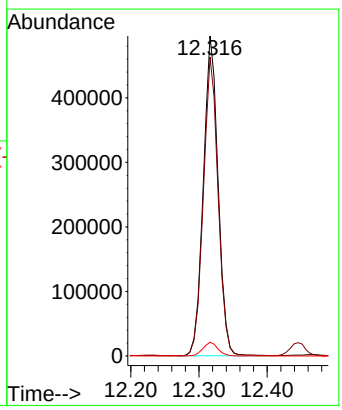


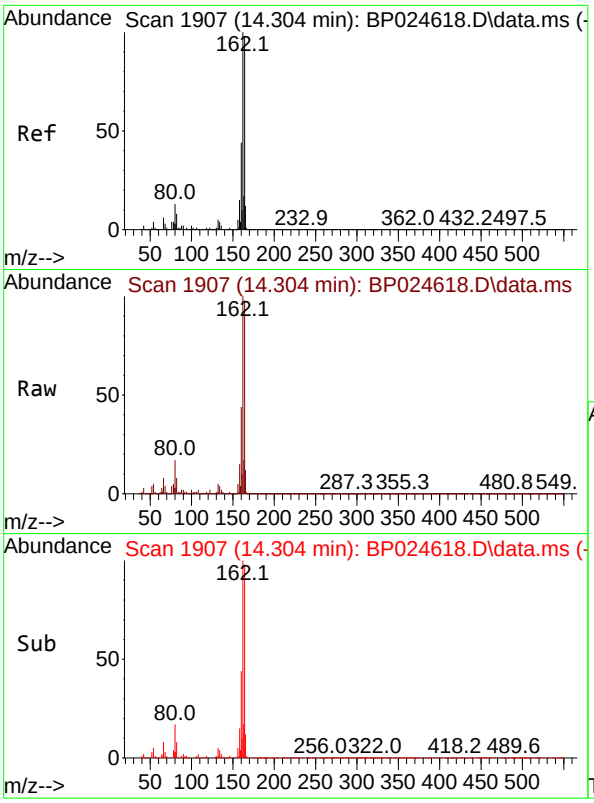




#38
1-Methylnaphthalene
Concen: 38.439 ng
RT: 12.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:142 Resp: 745849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.4 | 74.7 | 112.1 |
| 116 | 4.3 | 3.4 | 5.2 |



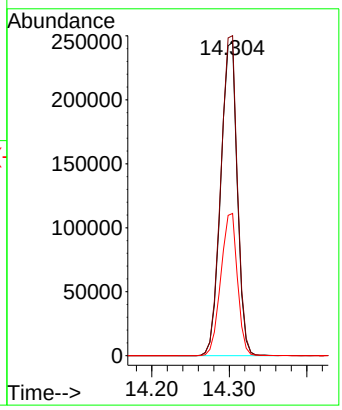


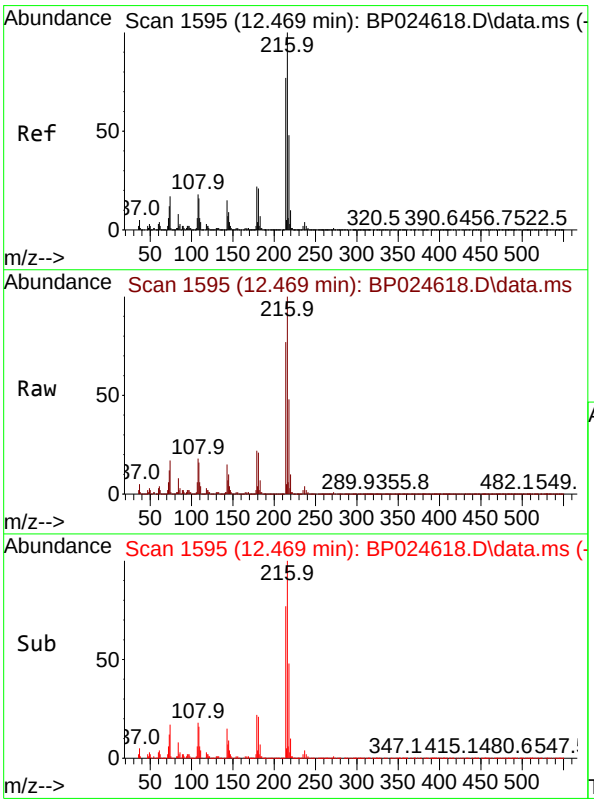

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:164 Resp: 362458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.2 | 81.8 | 122.6 |
| 160 | 45.4 | 36.3 | 54.5 |

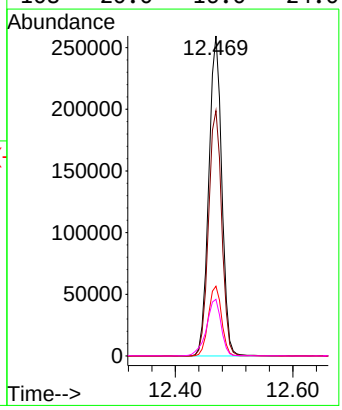


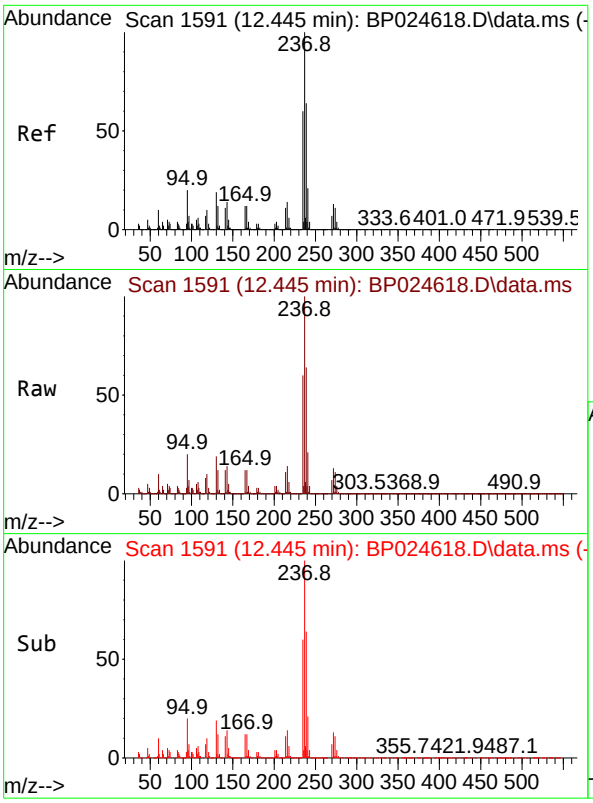




#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.835 ng
RT: 12.469 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:216 Resp: 398230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 77.9 | 62.3 | 93.5 |
| 179 | 22.1 | 17.7 | 26.5 |
| 108 | 20.0 | 16.0 | 24.0 |



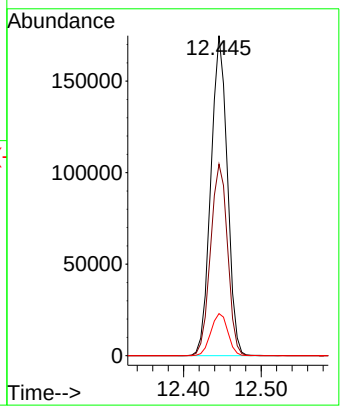


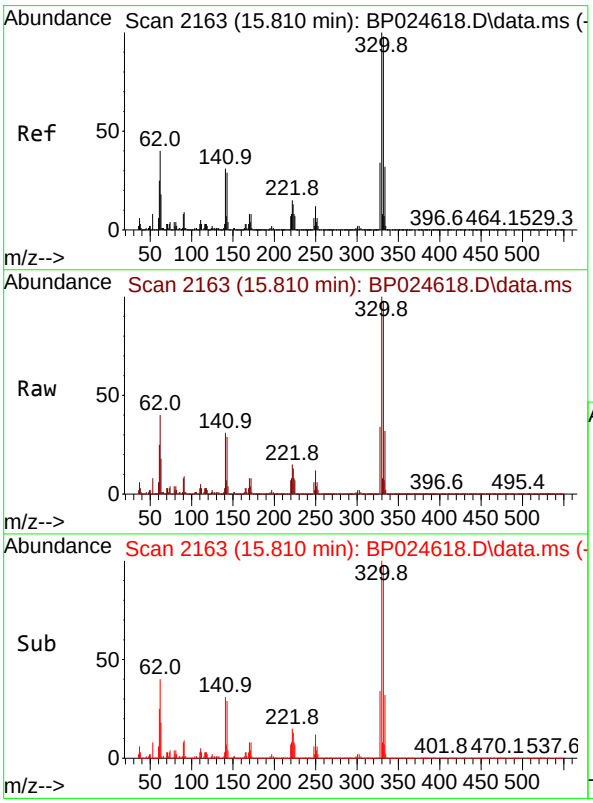

#41
Hexachlorocyclopentadiene
Concen: 40.476 ng
RT: 12.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:237 Resp: 258329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 59.9 | 39.9 | 79.9 |
| 272 | 13.2 | 0.0 | 33.2 |

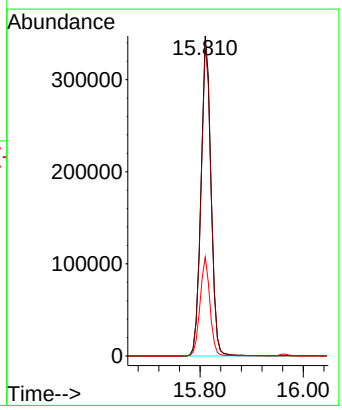


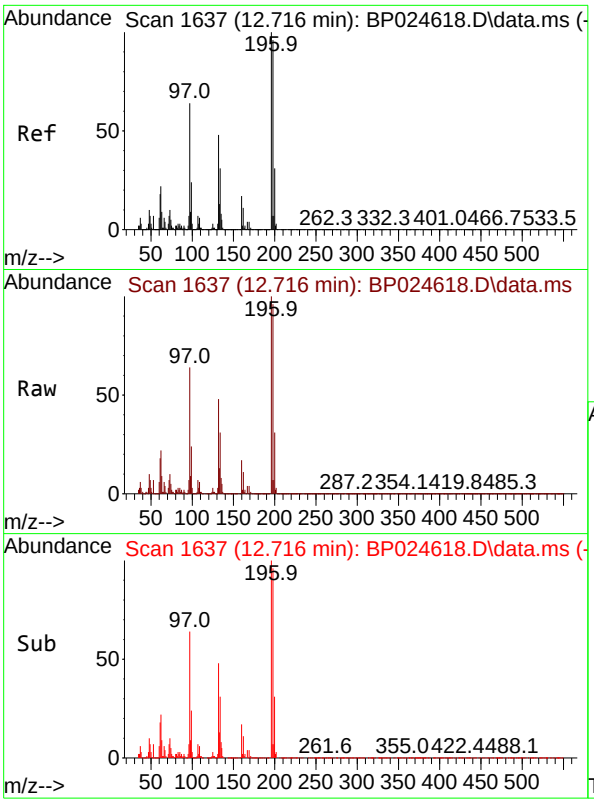




#42
2,4,6-Tribromophenol
Concen: 76.132 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:330 Resp: 467808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.8 | 78.2 | 117.4 |
| 141 | 30.4 | 24.3 | 36.5 |



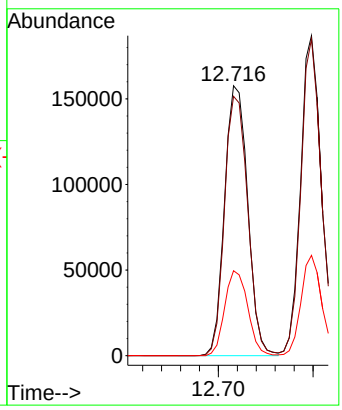


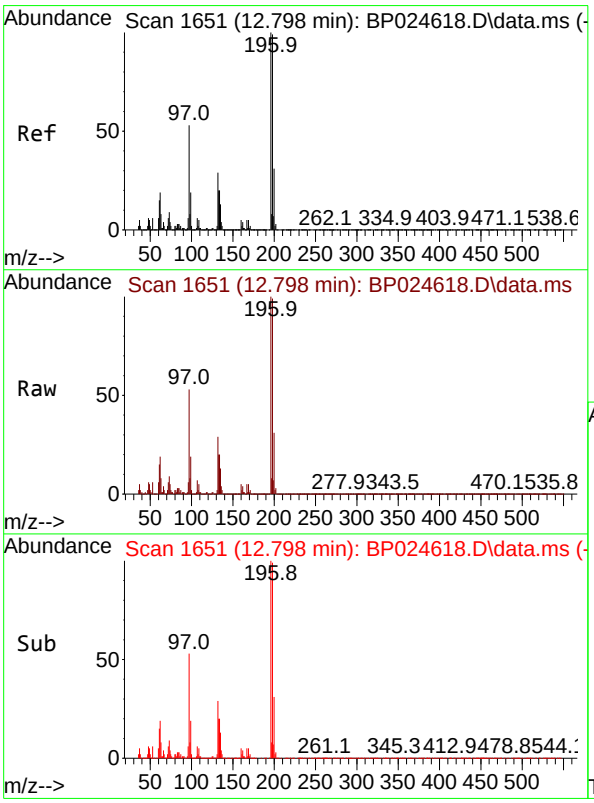

#43
2,4,6-Trichlorophenol
Concen: 39.410 ng
RT: 12.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:196 Resp: 268675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.1 | 76.9 | 115.3 |
| 200 | 31.5 | 25.2 | 37.8 |

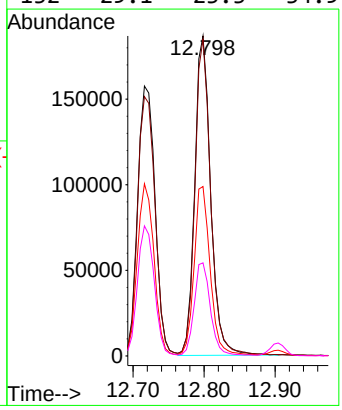


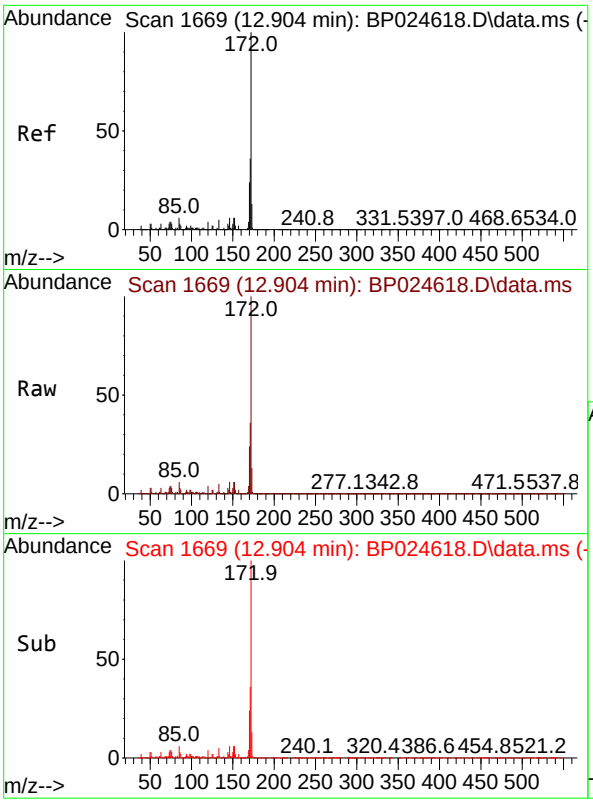




#44
2,4,5-Trichlorophenol
Concen: 38.621 ng
RT: 12.798 min Scan# 1651
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:196 Resp: 293079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.0 | 79.2 | 118.8 |
| 97 | 52.9 | 42.3 | 63.5 |
| 132 | 29.1 | 23.3 | 34.9 |



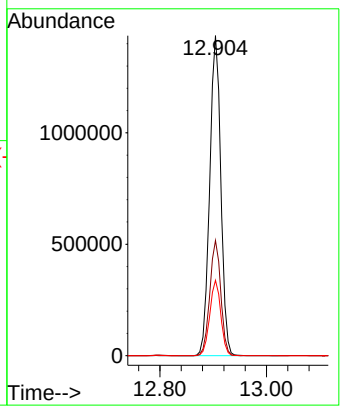


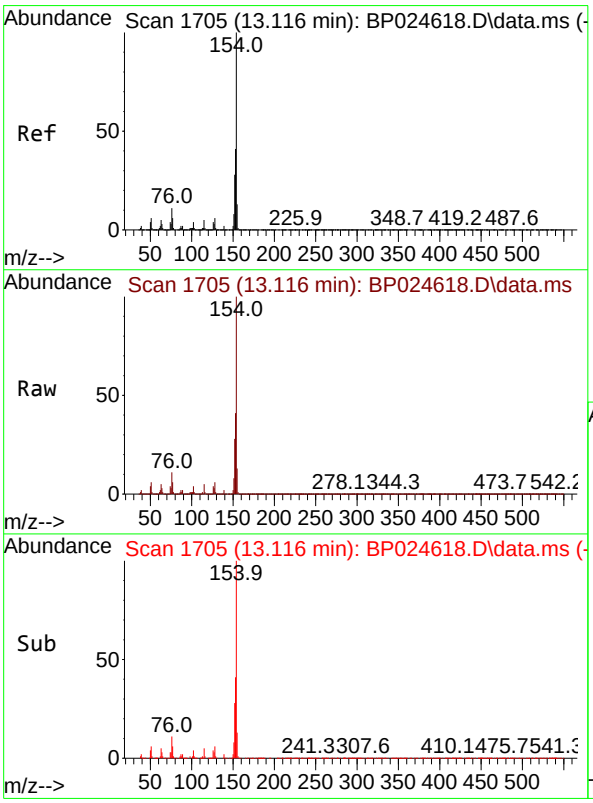

#45
2-Fluorobiphenyl
Concen: 75.051 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:172 Resp: 2076354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 28.8 | 43.2 |
| 170 | 23.5 | 18.8 | 28.2 |

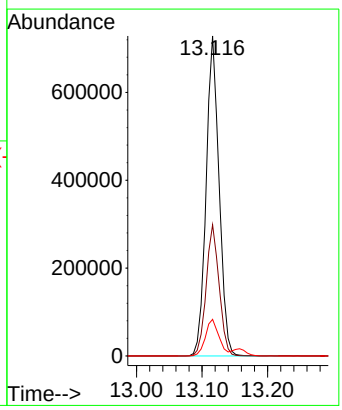


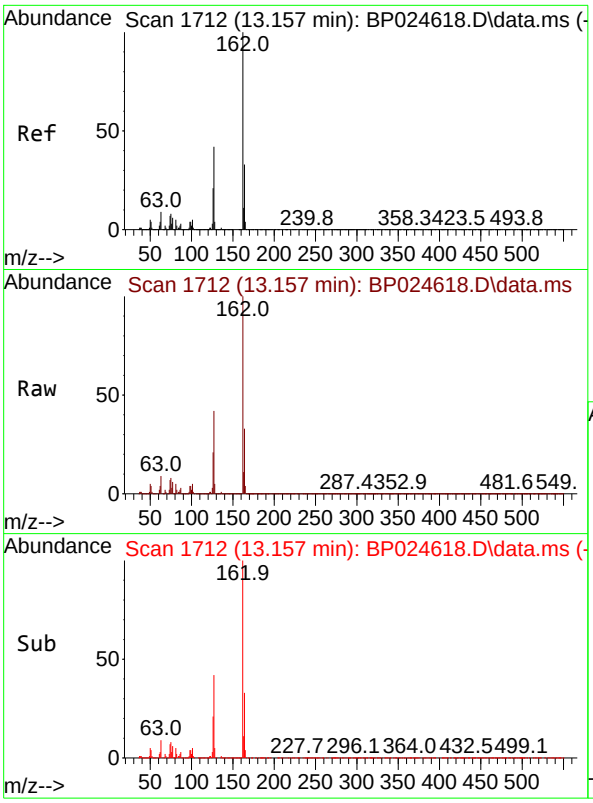




#46
1,1'-Biphenyl
Concen: 37.415 ng
RT: 13.116 min Scan# 1705
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:154 Resp: 1002344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.0 | 21.0 | 61.0 |
| 76 | 11.5 | 0.0 | 31.5 |



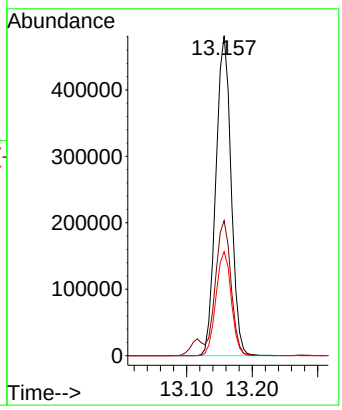


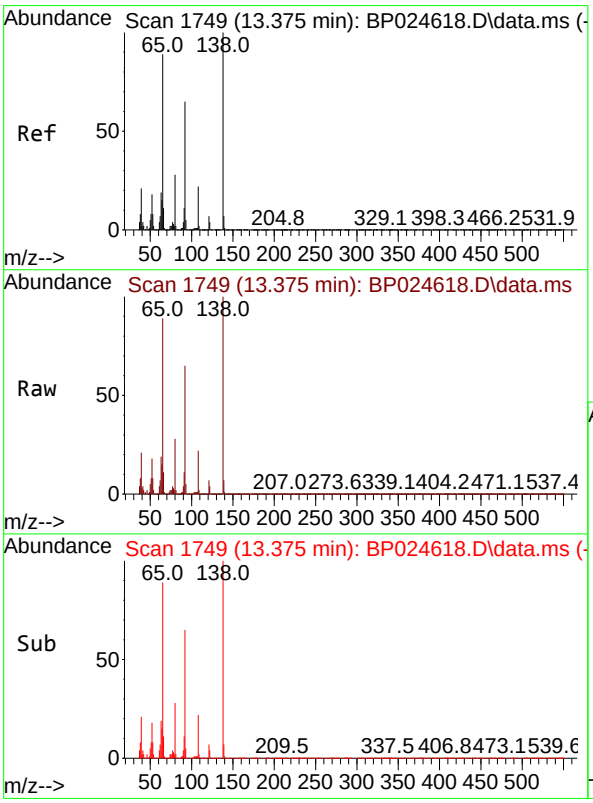

#47
2-Chloronaphthalene
Concen: 37.792 ng
RT: 13.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:162 Resp: 771952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.2 | 33.8 | 50.6 |
| 164 | 32.5 | 26.0 | 39.0 |

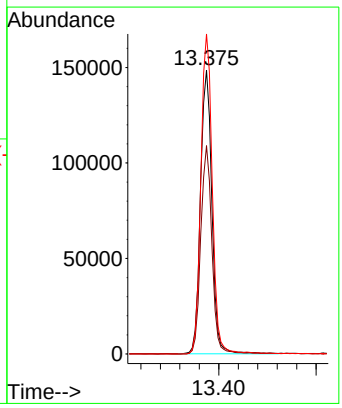


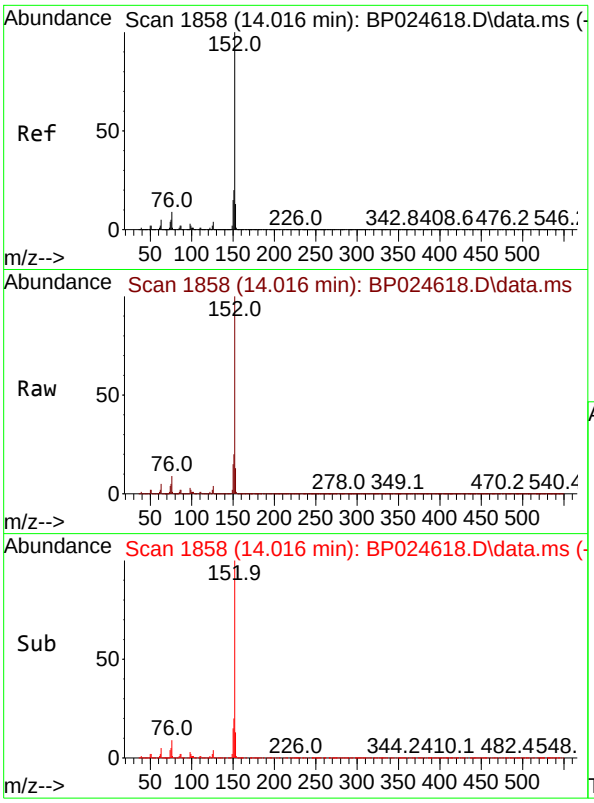




#48
2-Nitroaniline
Concen: 40.097 ng
RT: 13.375 min Scan# 1749
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion: 65 Resp: 242485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 73.4 | 58.7 | 88.1 |
| 138 | 112.7 | 90.2 | 135.2 |



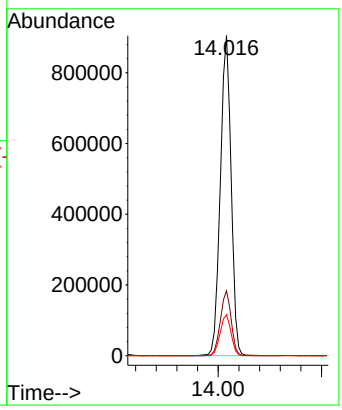


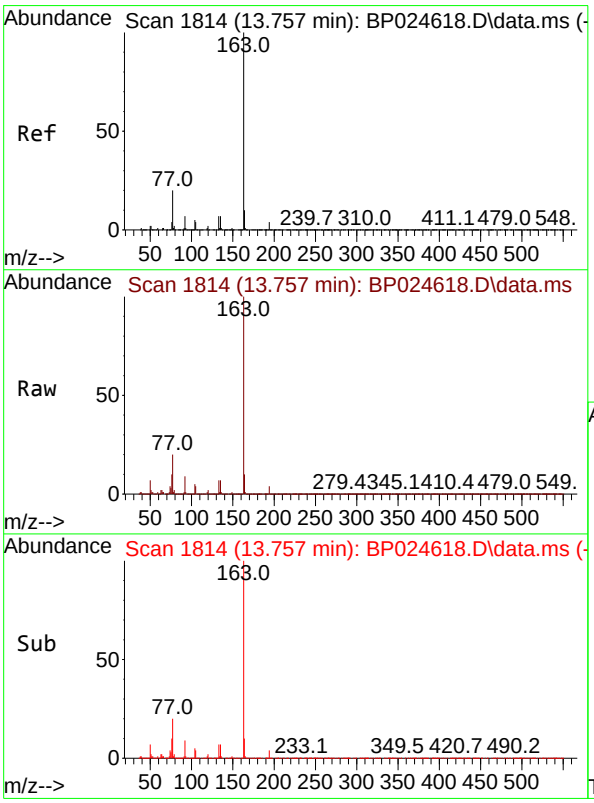

#49
Acenaphthylene
Concen: 38.257 ng
RT: 14.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:152 Resp: 1307740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.2 | 24.4 |
| 153 | 12.8 | 10.2 | 15.4 |

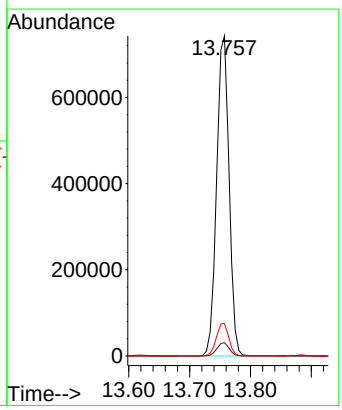


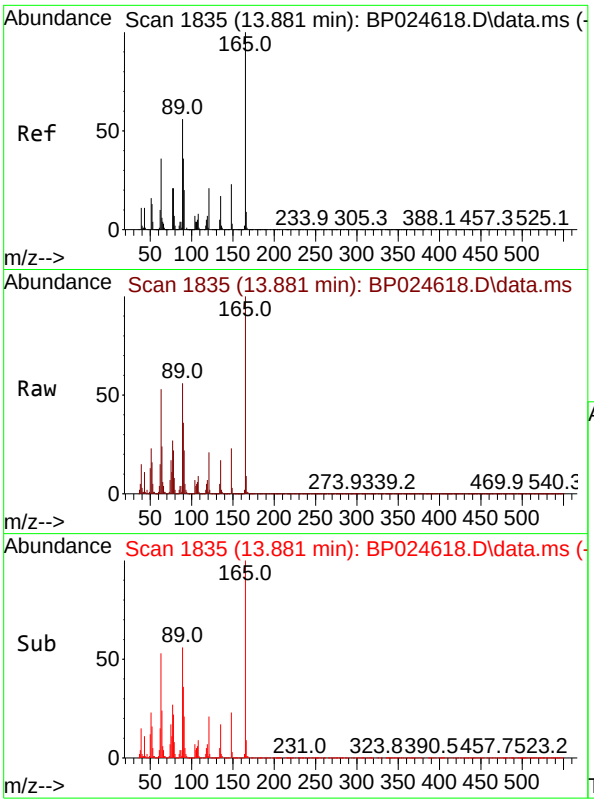




#50
Dimethylphthalate
Concen: 38.045 ng
RT: 13.757 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:163 Resp: 1051056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.4 | 5.0 |
| 164 | 10.1 | 8.1 | 12.1 |



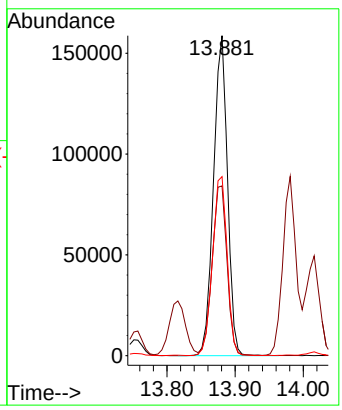


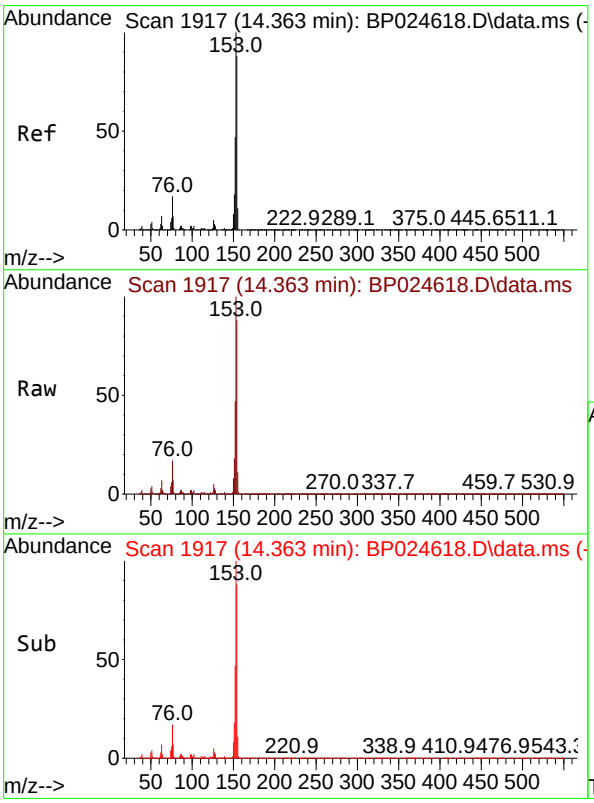

#51
2,6-Dinitrotoluene
Concen: 38.749 ng
RT: 13.881 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:165 Resp: 226086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 53.0 | 42.4 | 63.6 |
| 89 | 56.0 | 44.8 | 67.2 |

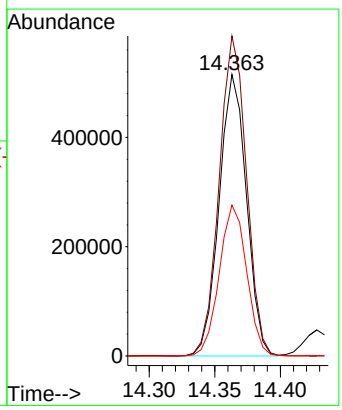


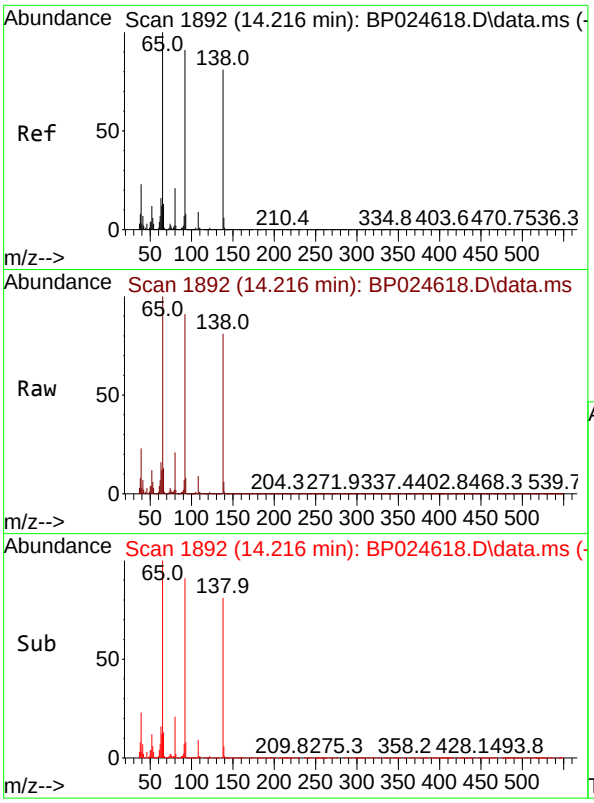




#52
Acenaphthene
Concen: 37.928 ng
RT: 14.363 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:154 Resp: 745335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.7 | 91.0 | 136.4 |
| 152 | 53.6 | 42.9 | 64.3 |



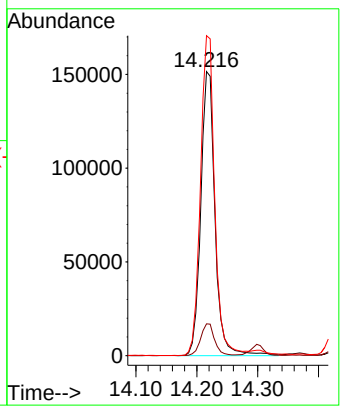


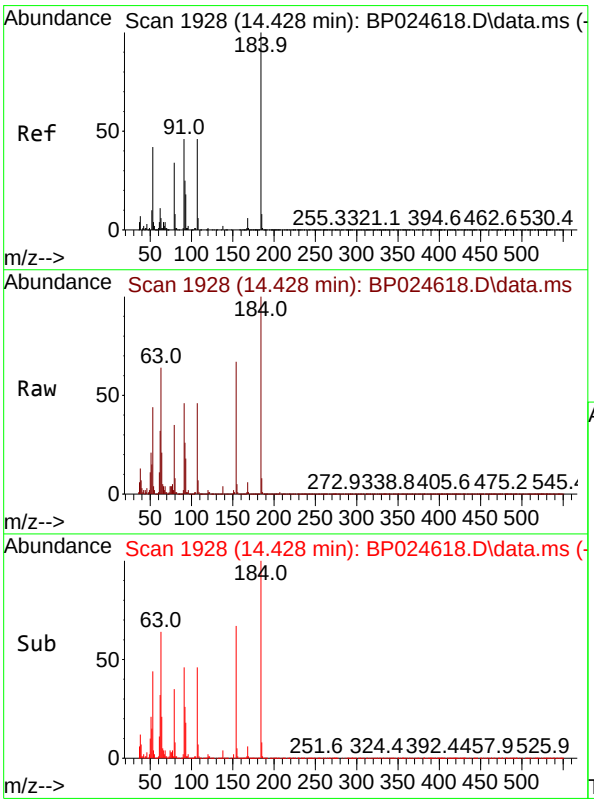

#53
3-Nitroaniline
Concen: 41.386 ng
RT: 14.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:138 Resp: 246561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.2 | 9.0 | 13.4 |
| 92 | 112.6 | 90.1 | 135.1 |

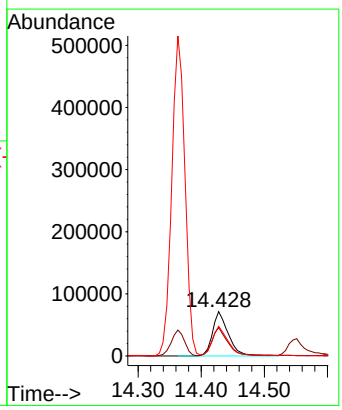


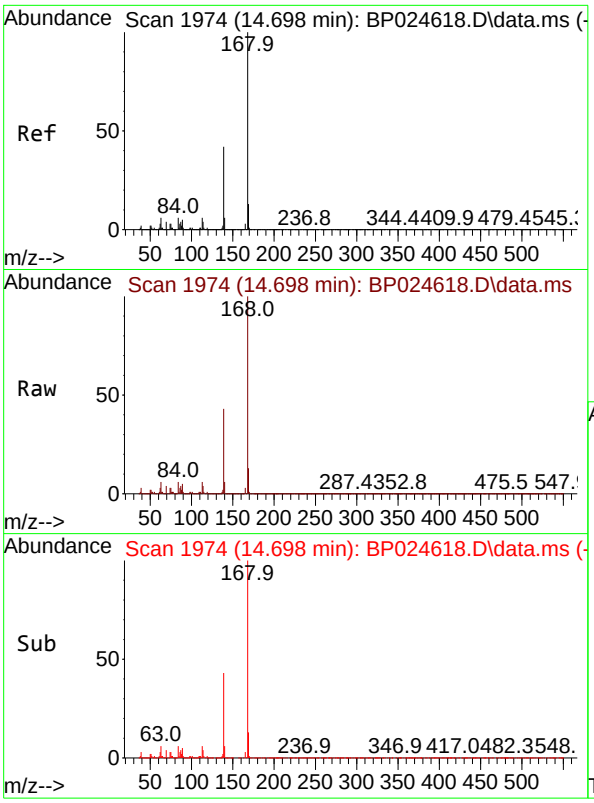




#54
2,4-Dinitrophenol
Concen: 37.537 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:184 Resp: 124517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 64.1 | 51.3 | 76.9 |
| 154 | 66.9 | 53.5 | 80.3 |



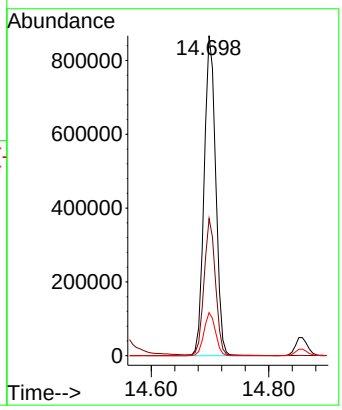


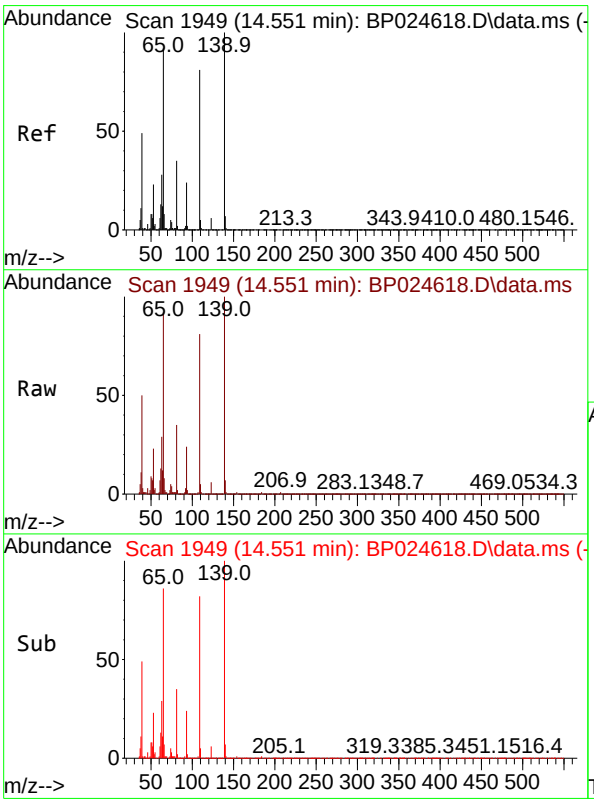

#55
Dibenzofuran
Concen: 37.767 ng
RT: 14.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:168 Resp: 1183806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 42.8 | 34.2 | 51.4 |
| 169 | 13.5 | 10.8 | 16.2 |

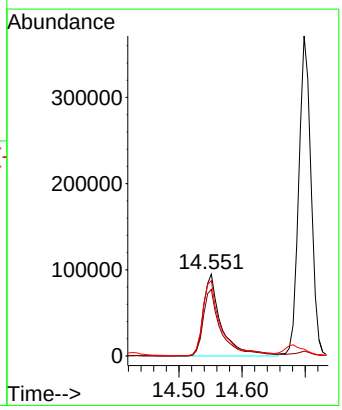


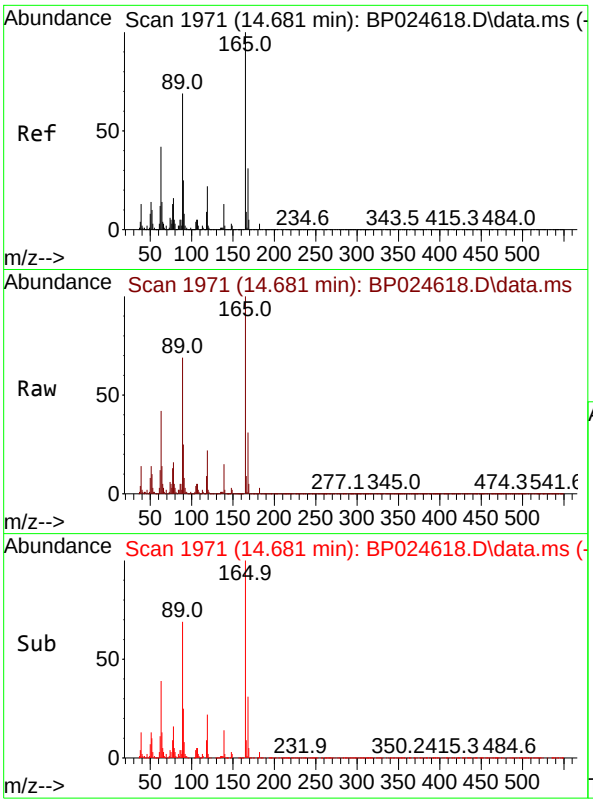




#56
4-Nitrophenol
Concen: 38.408 ng
RT: 14.551 min Scan# 1949
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:139 Resp: 186112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 81.4 | 61.4 | 101.4 |
| 65 | 92.2 | 72.2 | 112.2 |



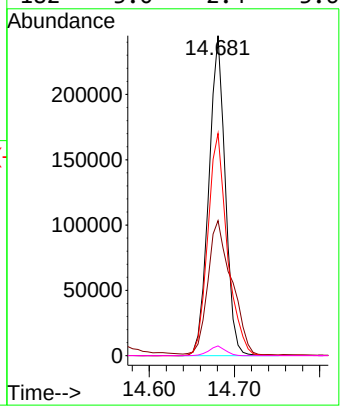


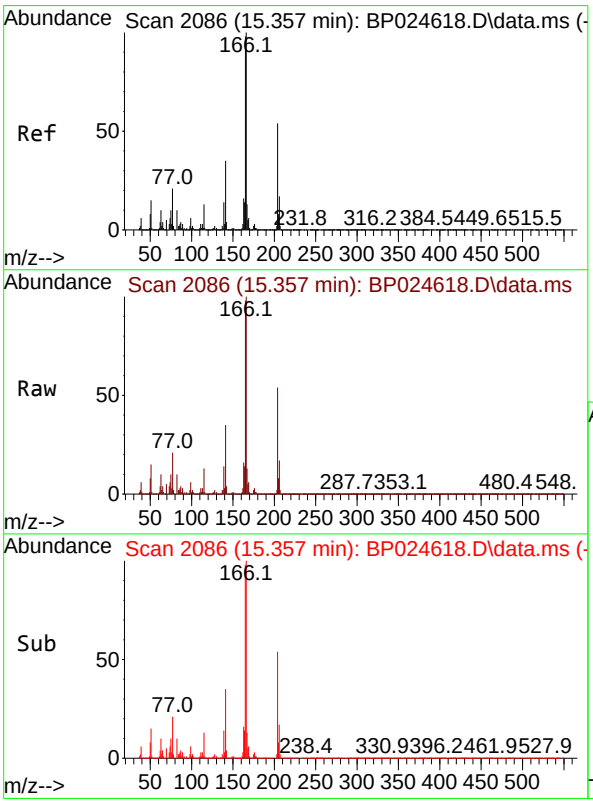

#57
2,4-Dinitrotoluene
Concen: 40.015 ng
RT: 14.681 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:165 Resp: 329156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 42.2 | 33.8 | 50.6 |
| 89 | 69.5 | 55.6 | 83.4 |
| 182 | 3.0 | 2.4 | 3.6 |

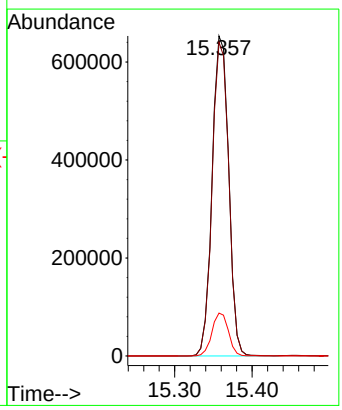


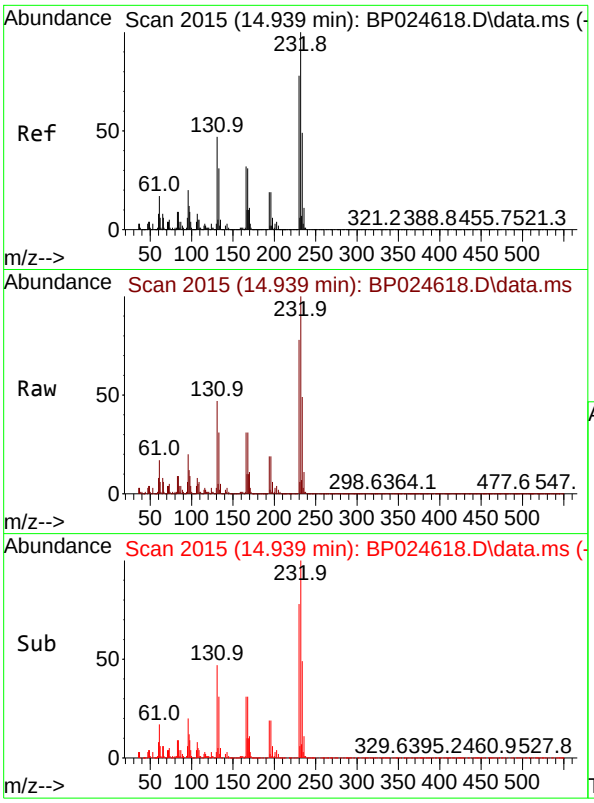




#58
Fluorene
Concen: 37.893 ng
RT: 15.357 min Scan# 2086
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:166 Resp: 968487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.1 | 78.5 | 117.7 |
| 167 | 13.4 | 10.7 | 16.1 |



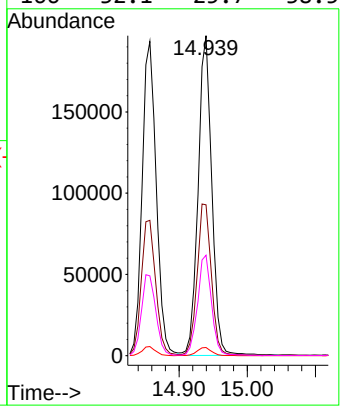


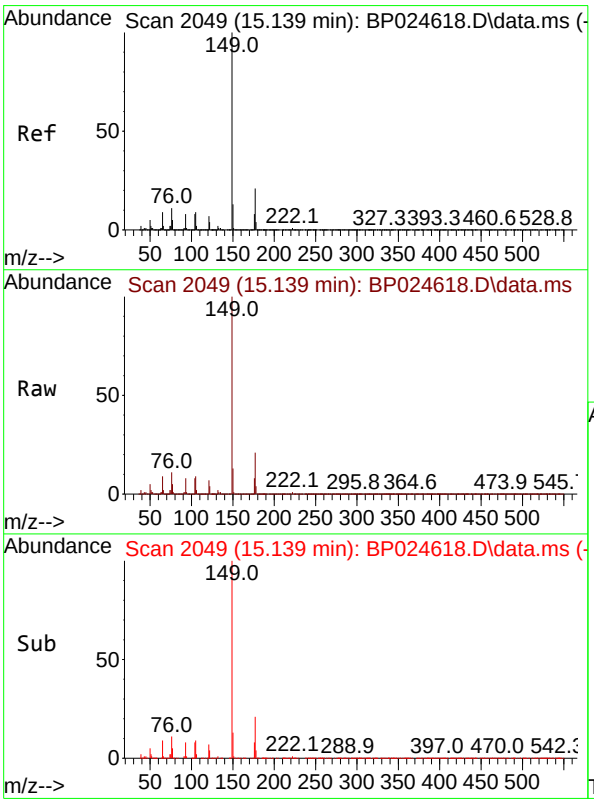

#59
2,3,4,6-Tetrachlorophenol
Concen: 38.977 ng
RT: 14.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:232 Resp: 274384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 49.4 | 39.5 | 59.3 |
| 130 | 2.8 | 2.2 | 3.4 |
| 166 | 32.1 | 25.7 | 38.5 |

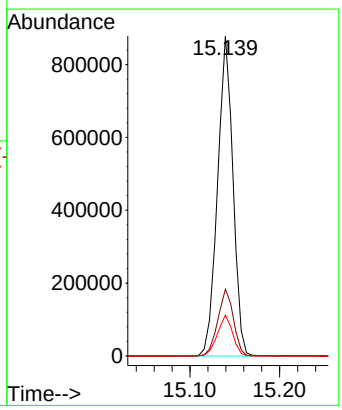


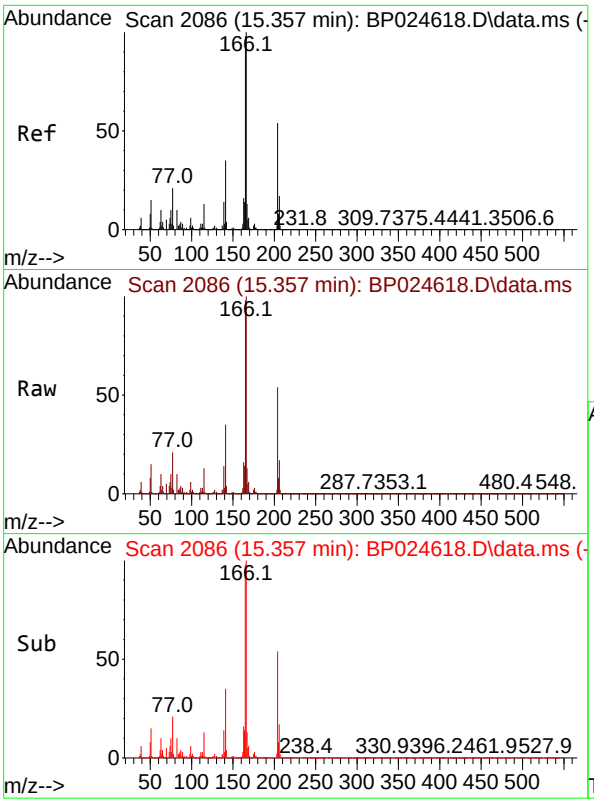




#60
Diethylphthalate
Concen: 37.478 ng
RT: 15.139 min Scan# 2049
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:149 Resp: 1046478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 20.9 | 16.7 | 25.1 |
| 150 | 12.7 | 10.2 | 15.2 |



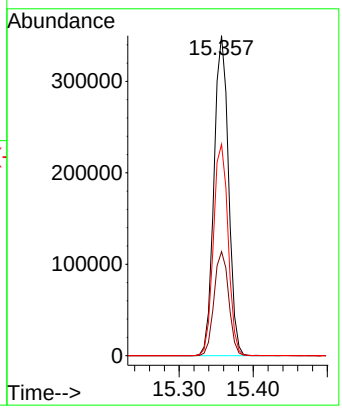


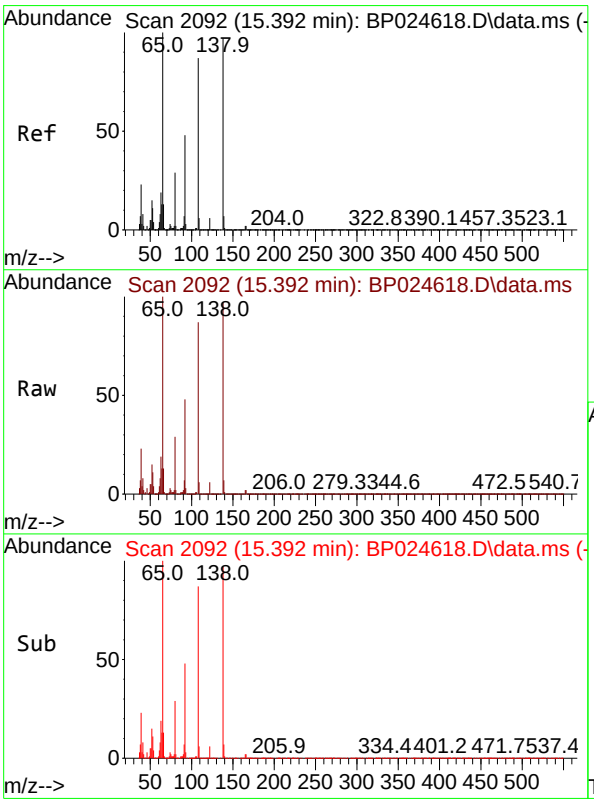

#61
4-Chlorophenyl-phenylether
Concen: 37.292 ng
RT: 15.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:204 Resp: 475327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.5 | 26.0 | 39.0 |
| 141 | 66.1 | 52.9 | 79.3 |

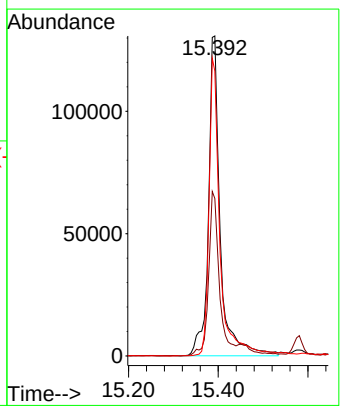


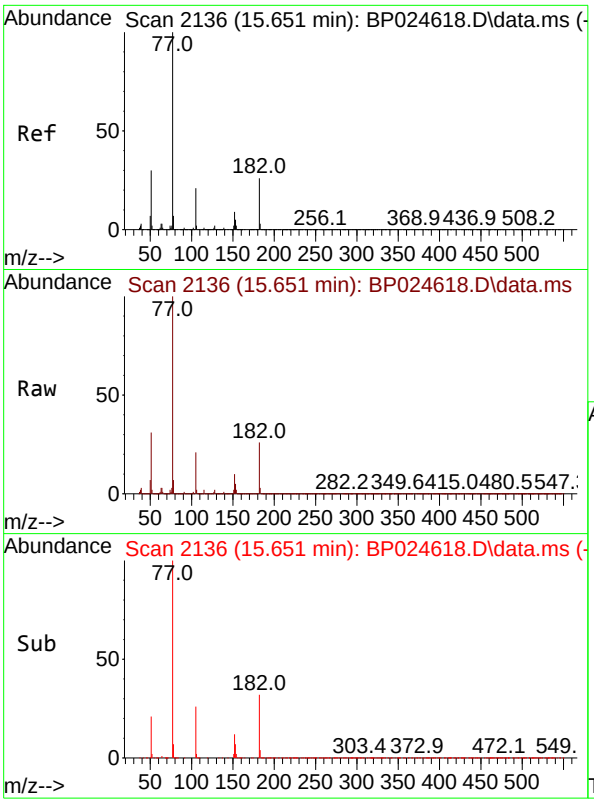




#62
4-Nitroaniline
Concen: 41.240 ng
RT: 15.392 min Scan# 2092
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:138 Resp: 239212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.2 | 29.2 | 69.2 |
| 108 | 89.0 | 69.0 | 109.0 |



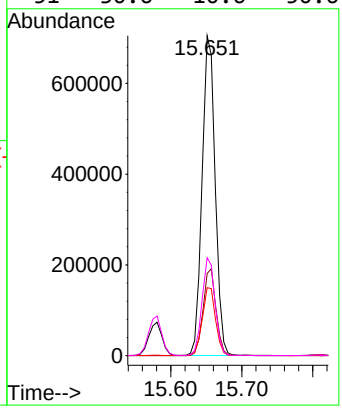


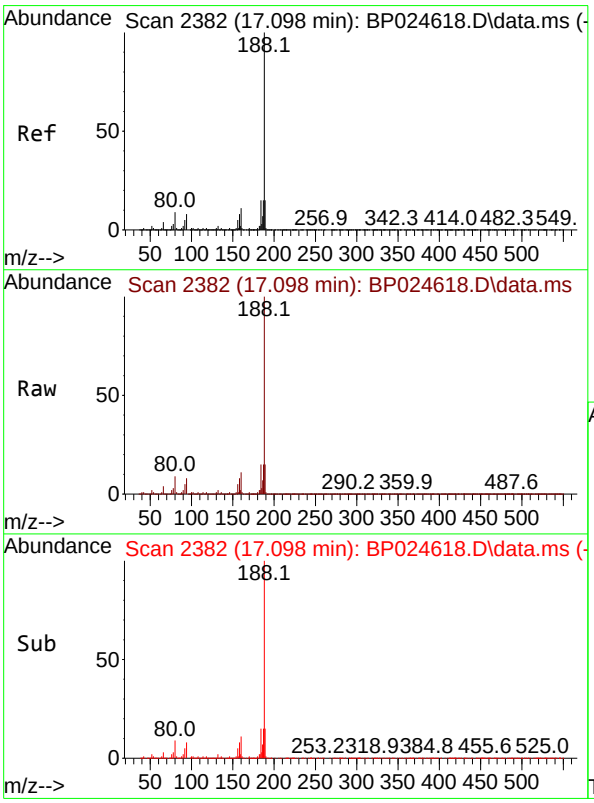

#63
Azobenzene
Concen: 37.940 ng
RT: 15.651 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 77 Resp: 906274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.7 | 5.7 | 45.7 |
| 105 | 21.3 | 1.3 | 41.3 |
| 51 | 30.6 | 10.6 | 50.6 |

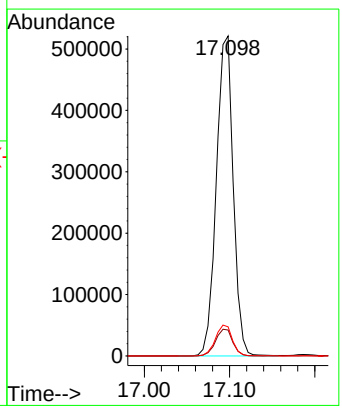


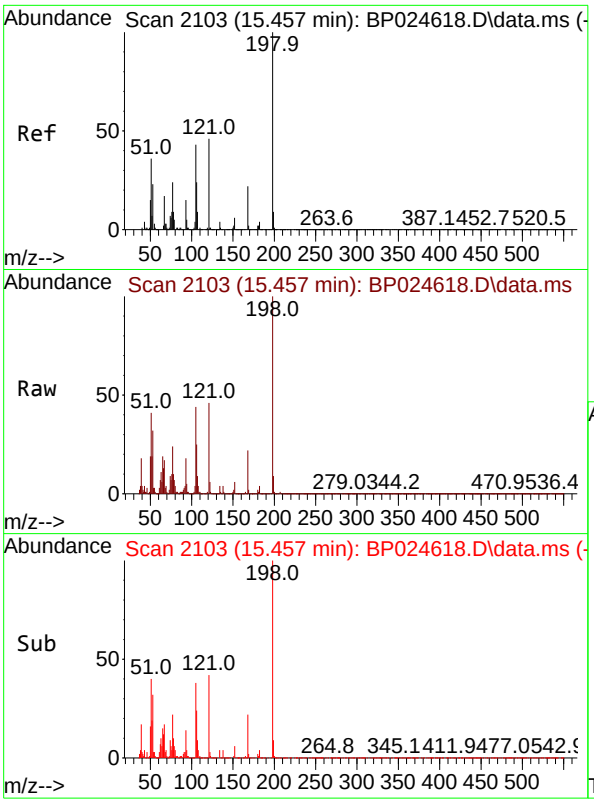




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.098 min Scan# 2382
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:188 Resp: 717362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.1 | 6.5 | 9.7 |
| 80 | 9.1 | 7.3 | 10.9 |



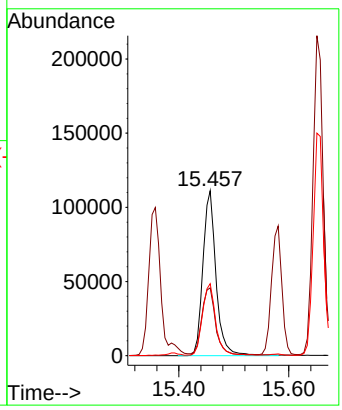


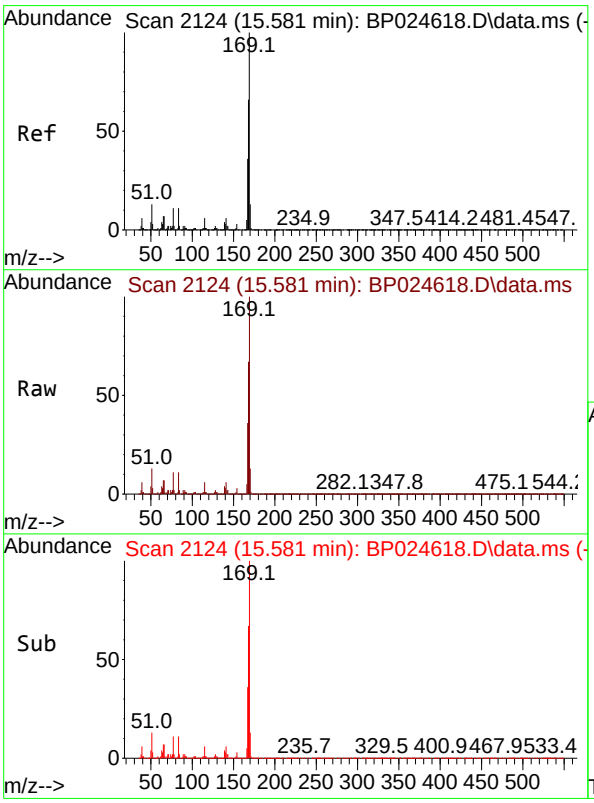

#65
4,6-Dinitro-2-methylphenol
Concen: 39.837 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:198 Resp: 184593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 41.1 | 21.1 | 61.1 |
| 105 | 43.6 | 23.6 | 63.6 |

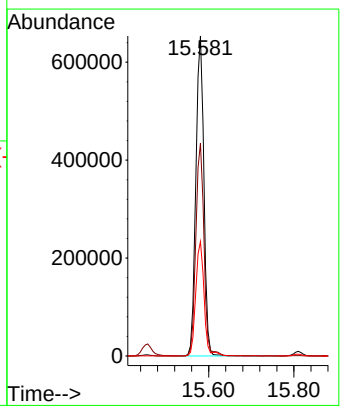


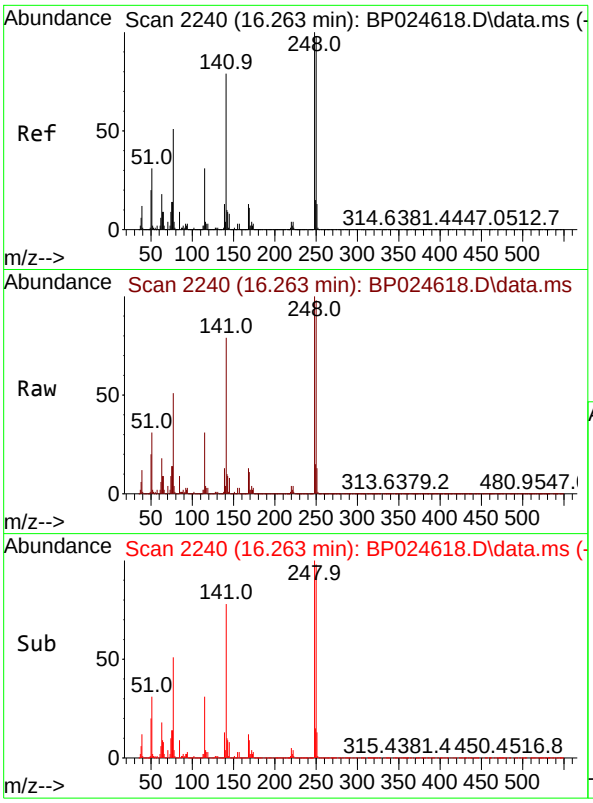




#66
n-Nitrosodiphenylamine
Concen: 38.630 ng
RT: 15.581 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:169 Resp: 851188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.5 | 53.2 | 79.8 |
| 167 | 35.8 | 28.6 | 43.0 |



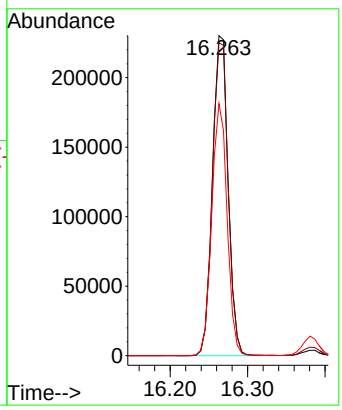


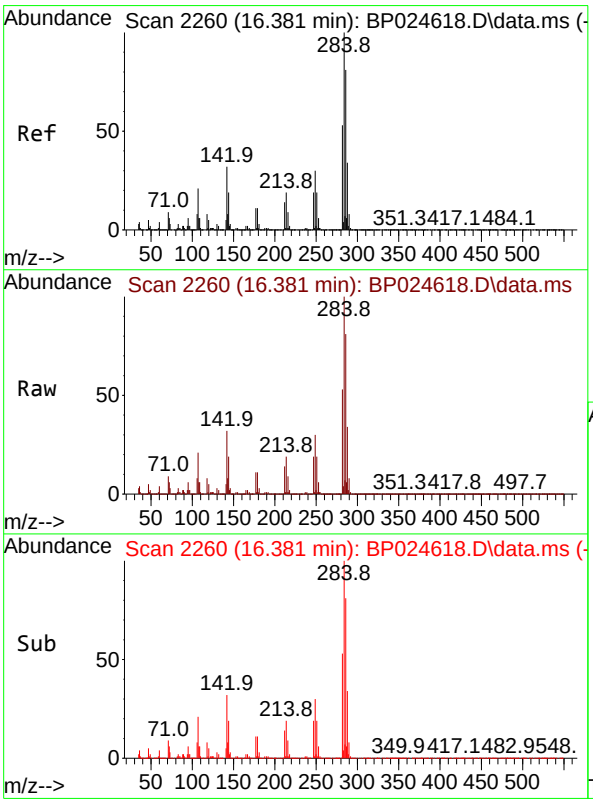

#67
4-Bromophenyl-phenylether
Concen: 38.277 ng
RT: 16.263 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:248 Resp: 323558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.8 | 78.2 | 117.4 |
| 141 | 78.8 | 63.0 | 94.6 |

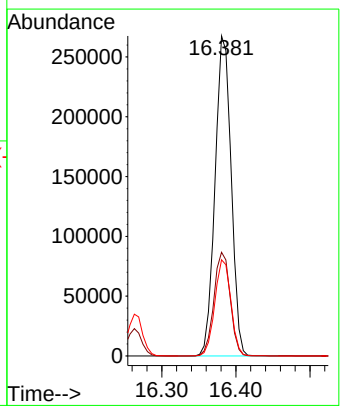


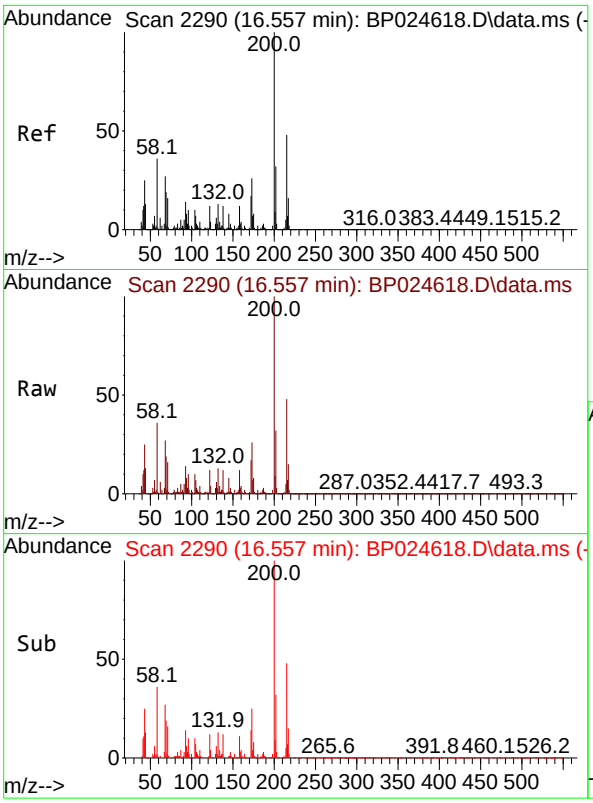




#68
Hexachlorobenzene
Concen: 37.605 ng
RT: 16.381 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:284 Resp: 403916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.4 | 25.9 | 38.9 |
| 249 | 30.1 | 24.1 | 36.1 |



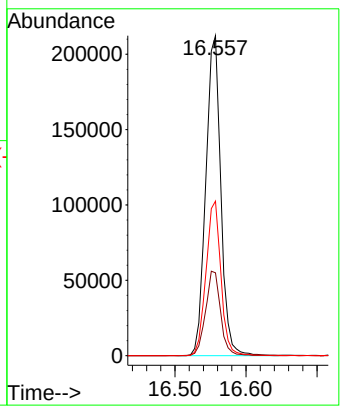


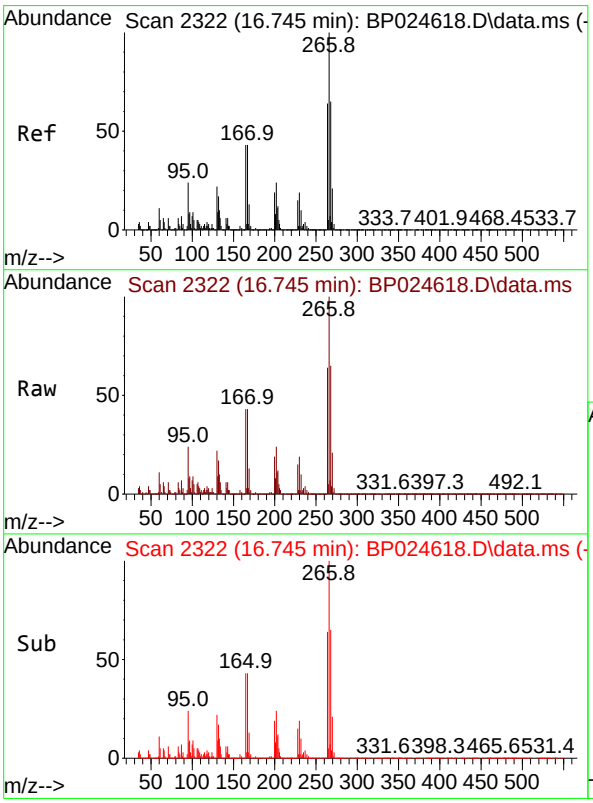

#69
Atrazine
Concen: 38.666 ng
RT: 16.557 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:200 Resp: 312226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.9 | 5.9 | 45.9 |
| 215 | 48.3 | 28.3 | 68.3 |

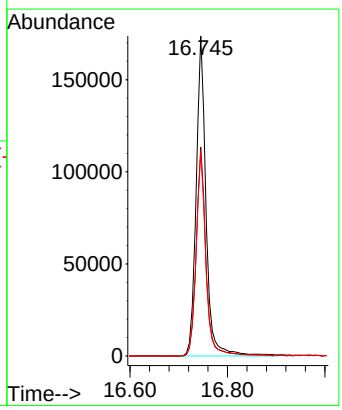


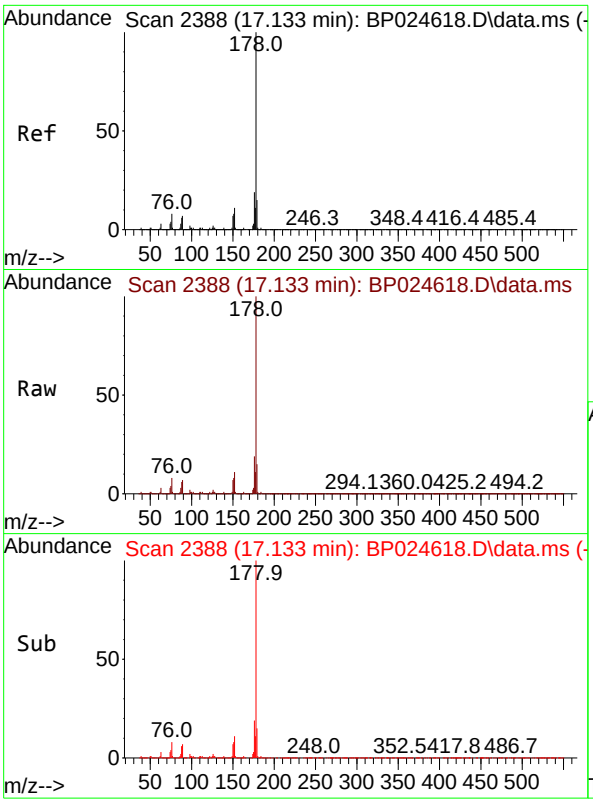




#70
Pentachlorophenol
Concen: 40.913 ng
RT: 16.745 min Scan# 2322
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:266 Resp: 246828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 65.3 | 52.2 | 78.4 |
| 264 | 63.9 | 51.1 | 76.7 |



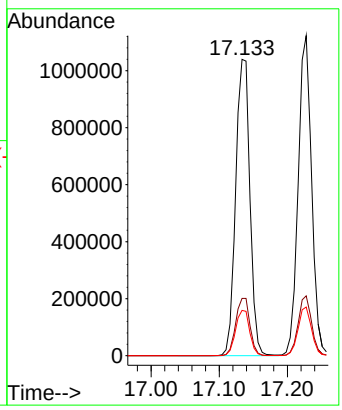


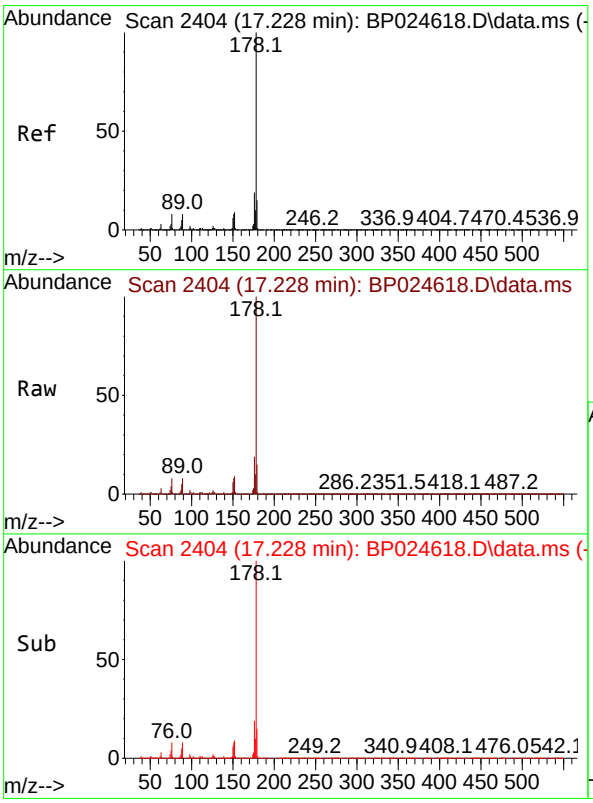

#71
Phenanthrene
Concen: 37.804 ng
RT: 17.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:178 Resp: 1507602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.4 | 23.2 |
| 179 | 15.3 | 12.2 | 18.4 |

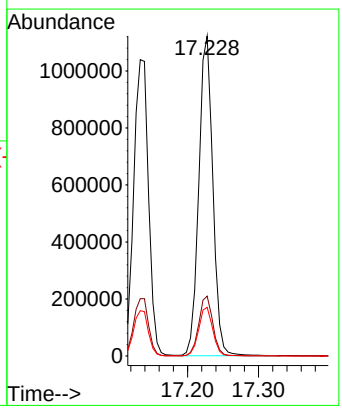


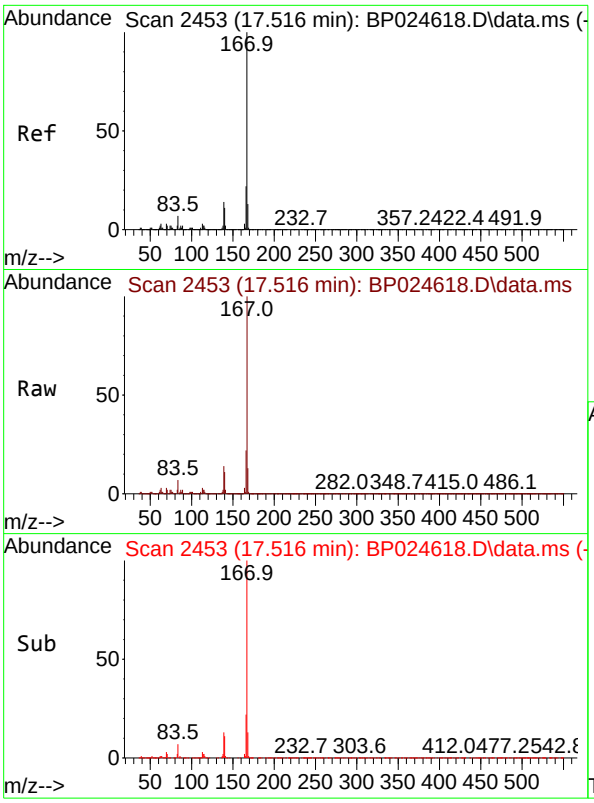




#72
Anthracene
Concen: 38.439 ng
RT: 17.228 min Scan# 2404
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:178 Resp: 1542275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.0 | 22.4 |
| 179 | 15.2 | 12.2 | 18.2 |



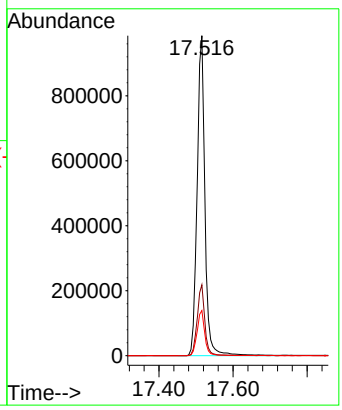


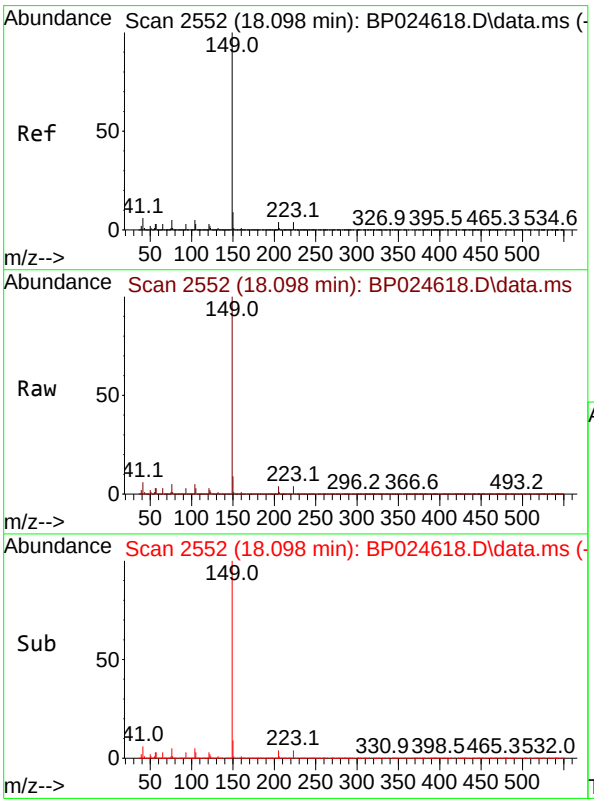

#73
Carbazole
Concen: 39.551 ng
RT: 17.516 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:167 Resp: 1436294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.1 | 17.7 | 26.5 |
| 139 | 14.1 | 11.3 | 16.9 |

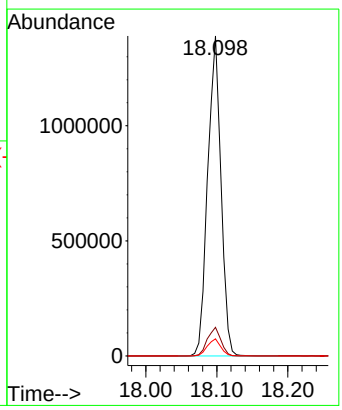


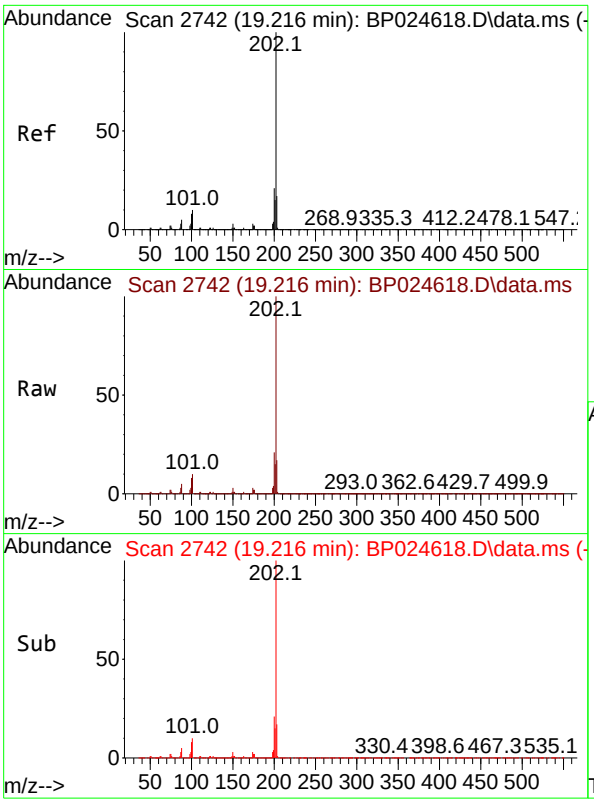




#74
Di-n-butylphthalate
Concen: 38.692 ng
RT: 18.098 min Scan# 2552
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:149 Resp: 1807097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.0 | 7.2 | 10.8 |
| 104 | 5.4 | 4.3 | 6.5 |



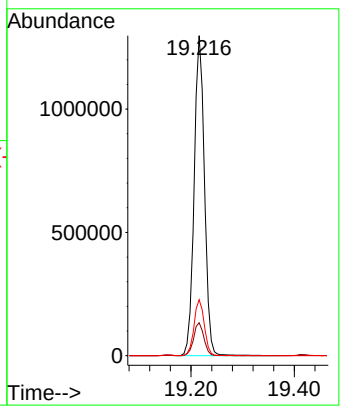


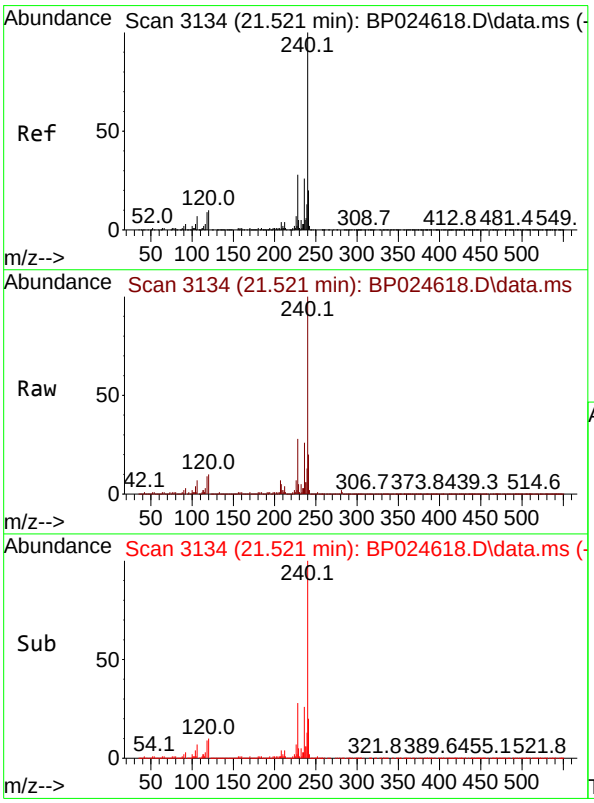

#75
Fluoranthene
Concen: 38.486 ng
RT: 19.216 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:202 Resp: 1794046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.3 | 0.0 | 30.3 |
| 203 | 17.5 | 0.0 | 37.5 |

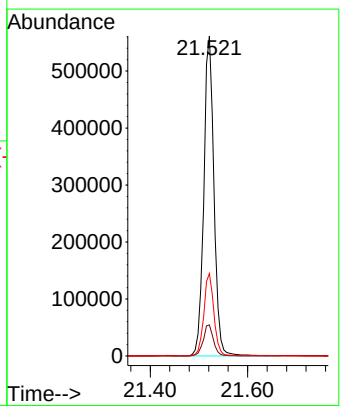


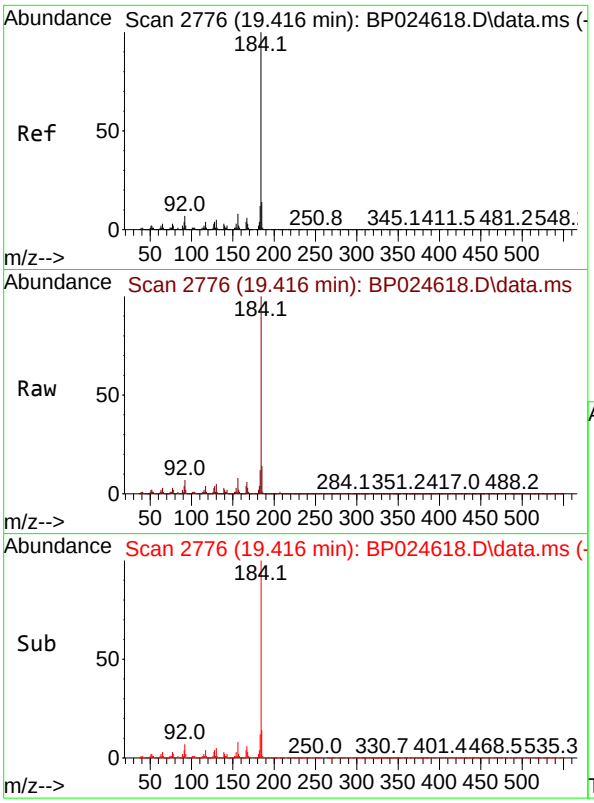




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.521 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:240 Resp: 810498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.7 | 7.8 | 11.6 |
| 236 | 25.8 | 20.6 | 31.0 |



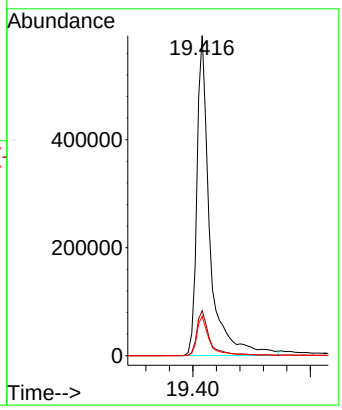


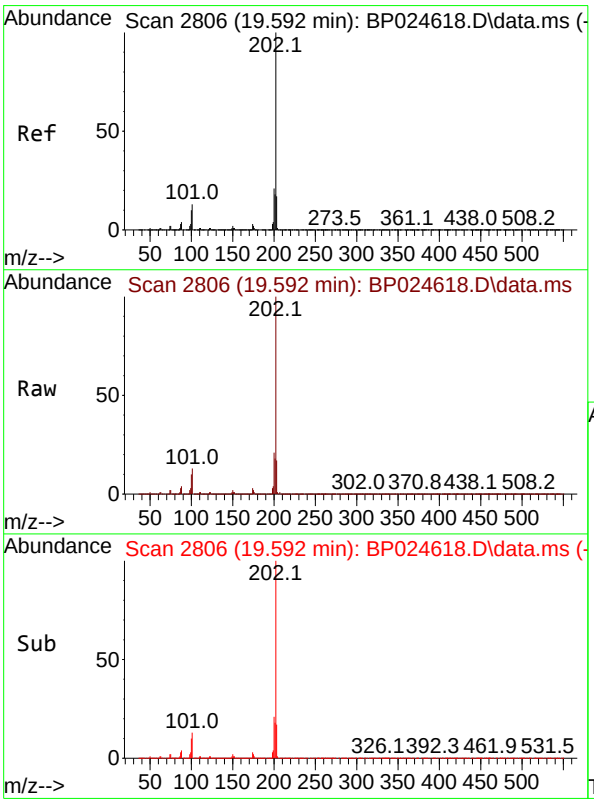

#77
Benzidine
Concen: 40.774 ng
RT: 19.416 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:184 Resp: 907109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.0 | 11.2 | 16.8 |
| 183 | 12.3 | 9.8 | 14.8 |

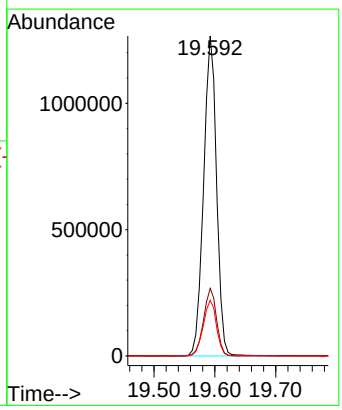


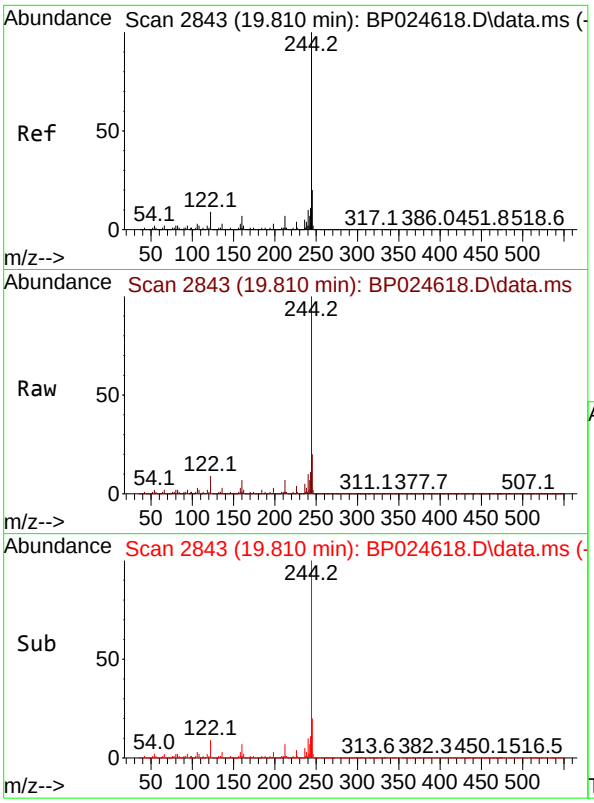




#78
Pyrene
Concen: 38.497 ng
RT: 19.592 min Scan# 2806
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:202 Resp: 1869519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 16.9 | 25.3 |
| 203 | 17.4 | 13.9 | 20.9 |



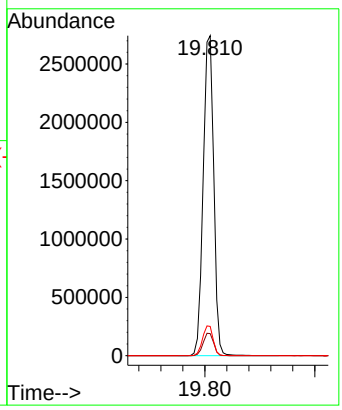


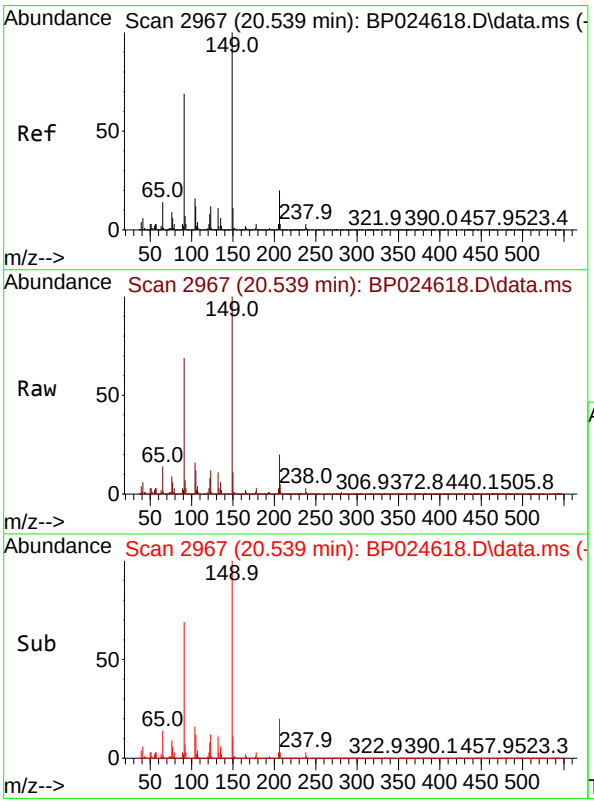

#79
Terphenyl-d14
Concen: 77.176 ng
RT: 19.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:244 Resp: 3647961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.5 | 8.3 |
| 122 | 9.2 | 7.4 | 11.0 |

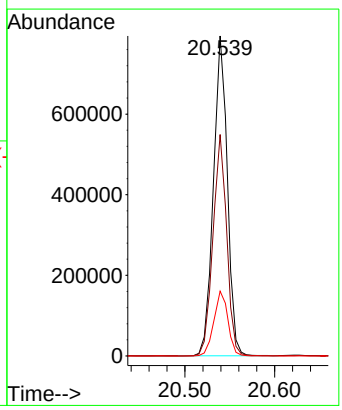


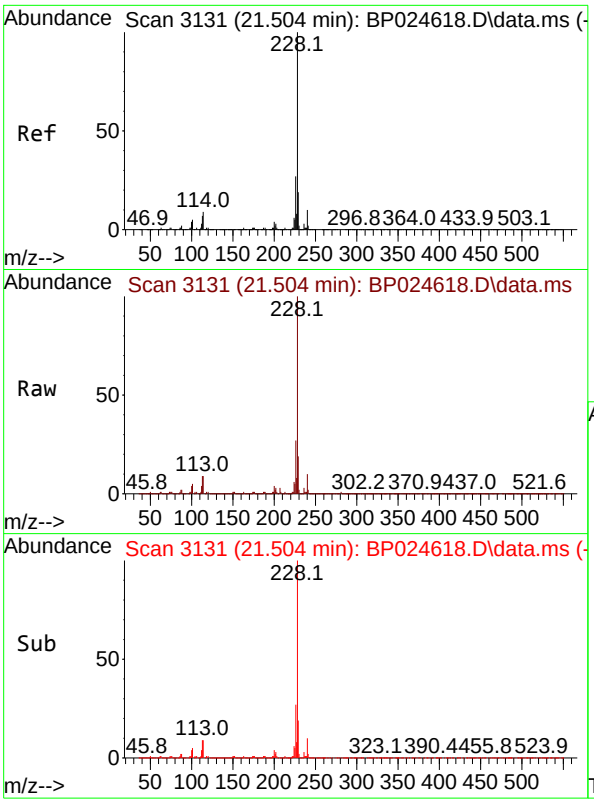




#80
Butylbenzylphthalate
Concen: 39.583 ng
RT: 20.539 min Scan# 2967
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:149 Resp: 854913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 69.2 | 55.4 | 83.0 |
| 206 | 20.2 | 16.2 | 24.2 |



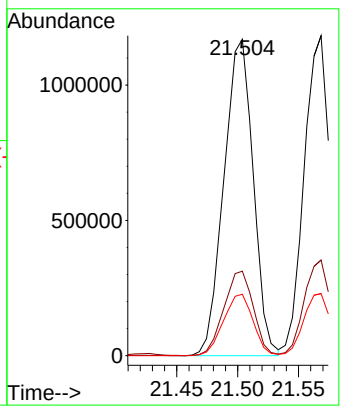


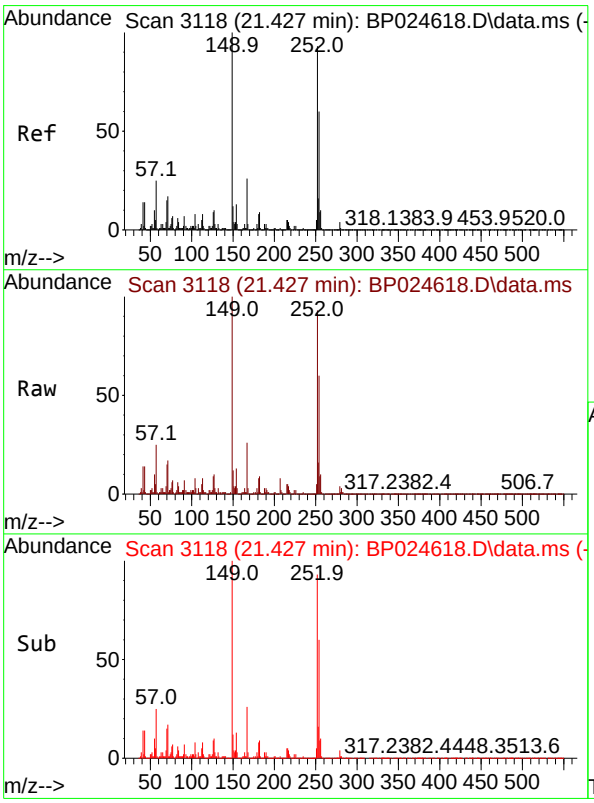

#81
Benzo(a)anthracene
Concen: 38.466 ng
RT: 21.504 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:228 Resp: 1957632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.7 | 21.4 | 32.0 |
| 229 | 19.4 | 15.5 | 23.3 |

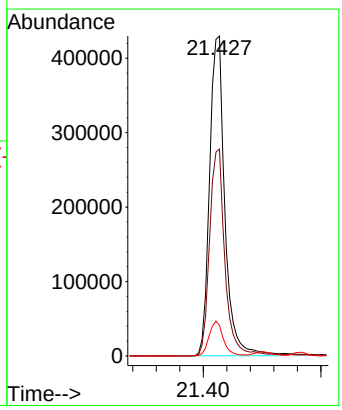


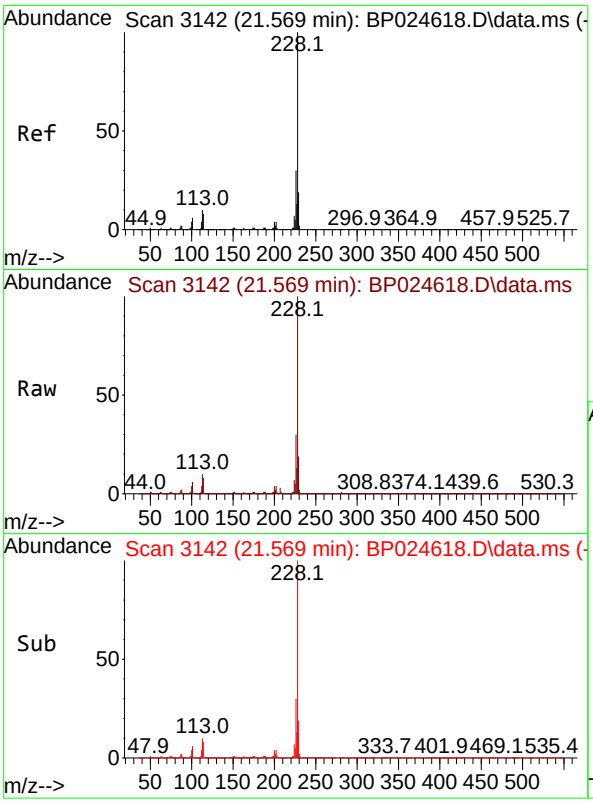




#82
3,3'-Dichlorobenzidine
Concen: 40.940 ng
RT: 21.427 min Scan# 3118
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:252 Resp: 773866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.7 | 51.8 | 77.6 |
| 126 | 9.6 | 7.7 | 11.5 |



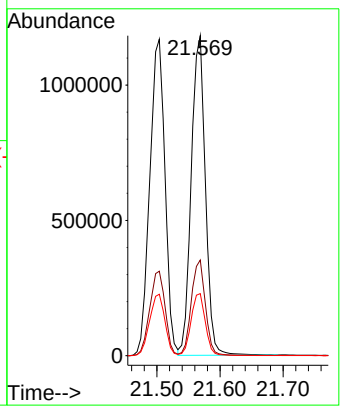


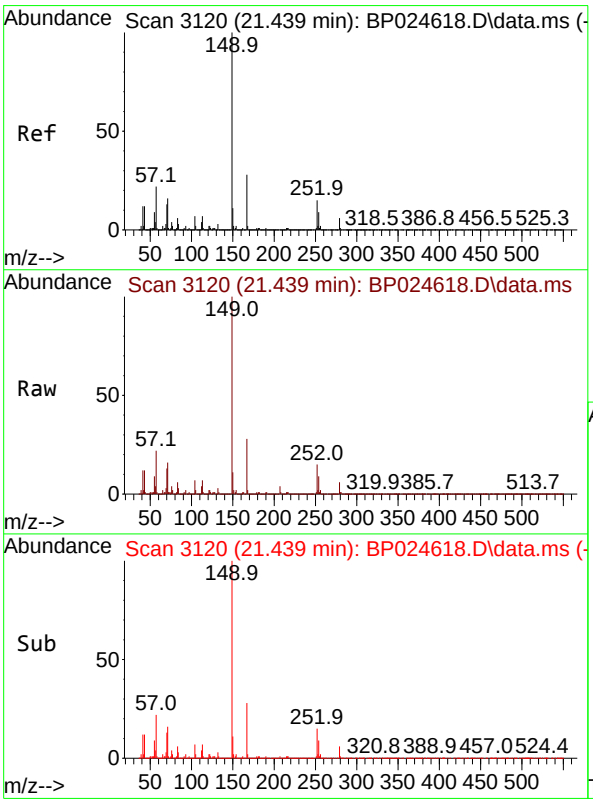

#83
Chrysene
Concen: 38.014 ng
RT: 21.569 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:228 Resp: 1833959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 23.9 | 35.9 |
| 229 | 19.4 | 15.5 | 23.3 |

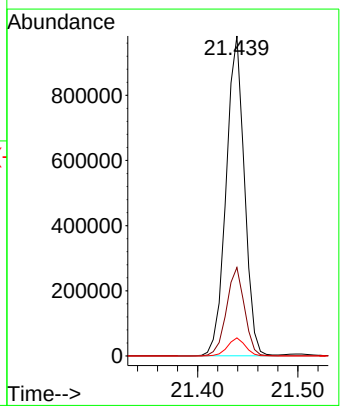


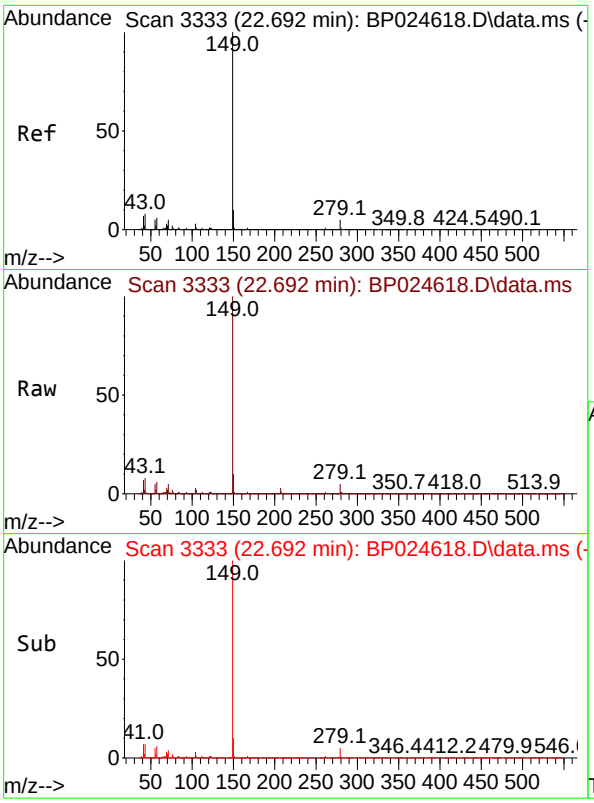




#84
Bis(2-ethylhexyl)phthalate
Concen: 39.091 ng
RT: 21.439 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:149 Resp: 1240956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.6 | 22.1 | 33.1 |
| 279 | 5.7 | 4.6 | 6.8 |



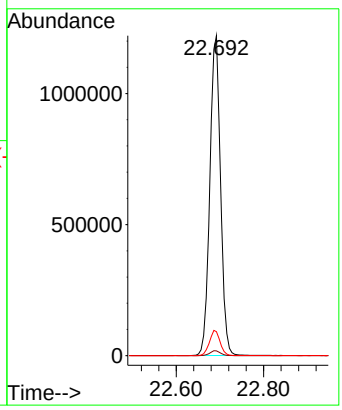


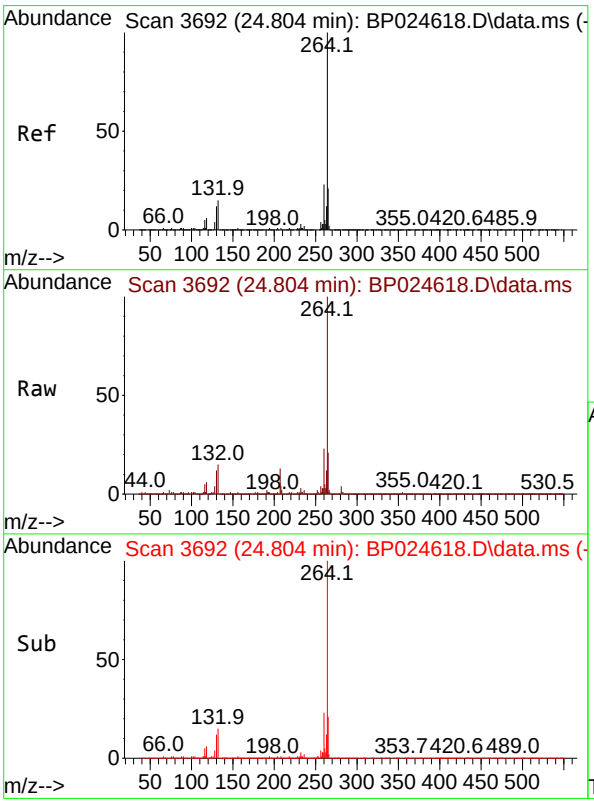

#85
Di-n-octyl phthalate
Concen: 39.965 ng
RT: 22.692 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:149 Resp: 2074694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.2 | 1.8 |
| 43 | 7.9 | 6.3 | 9.5 |

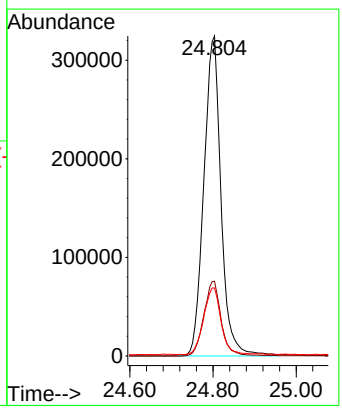


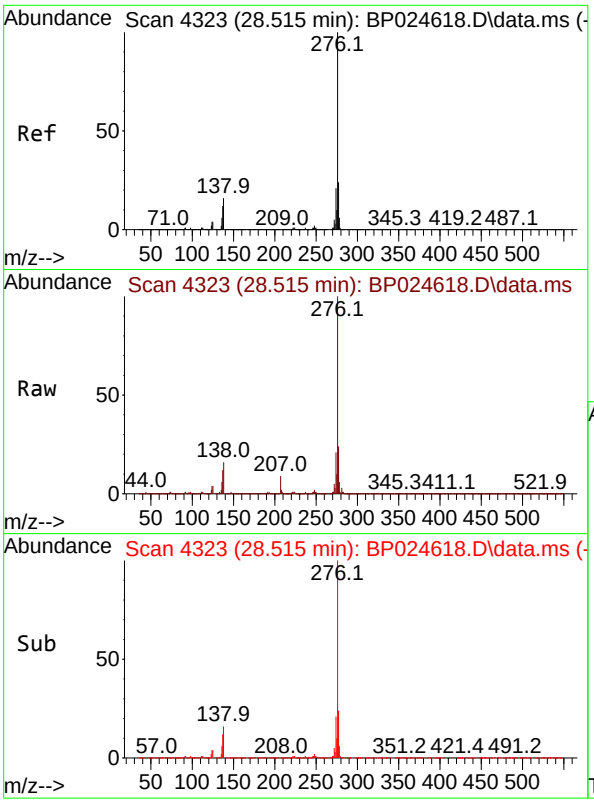




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.804 min Scan# 3692
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:264 Resp: 929890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 18.7 | 28.1 |
| 265 | 21.3 | 17.0 | 25.6 |



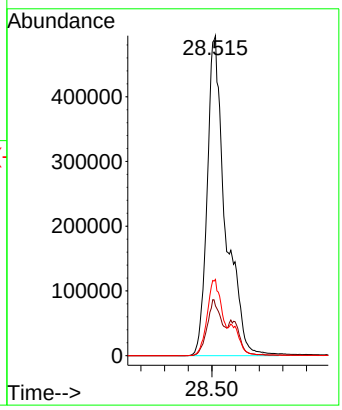


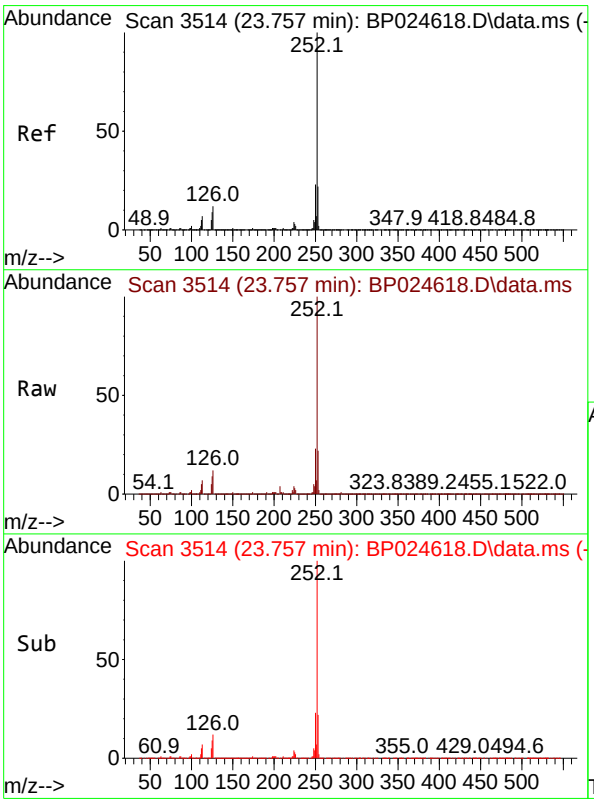

#87
Indeno(1,2,3-cd)pyrene
Concen: 39.003 ng
RT: 28.515 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:276 Resp: 2648648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 14.0 | 11.2 | 16.8 |
| 277 | 19.6 | 15.7 | 23.5 |

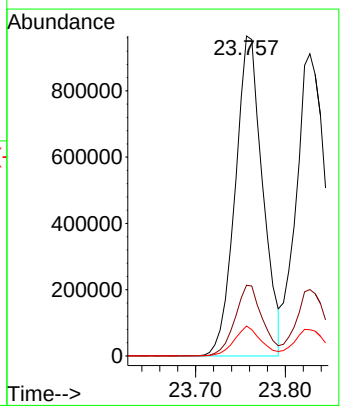


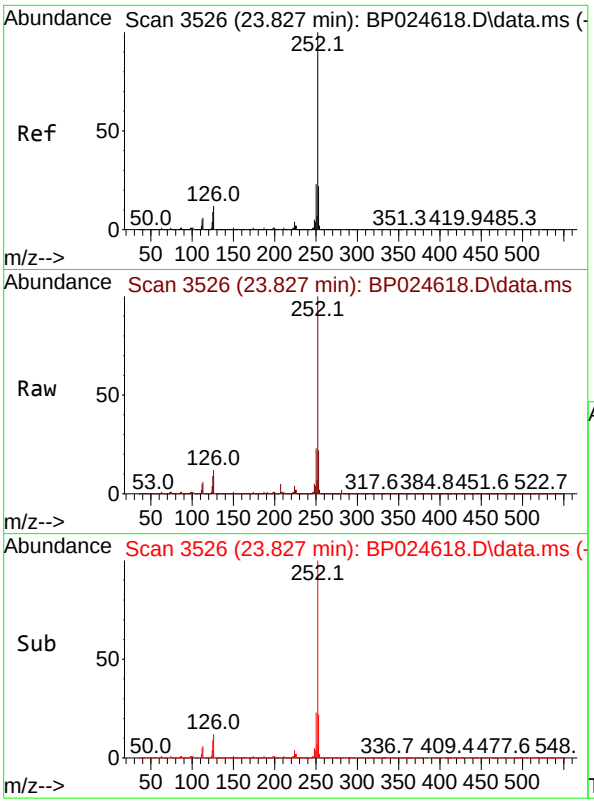




#88
Benzo(b)fluoranthene
Concen: 38.531 ng
RT: 23.757 min Scan# 3514
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:252 Resp: 2050806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.7 | 26.5 |
| 125 | 9.4 | 7.5 | 11.3 |



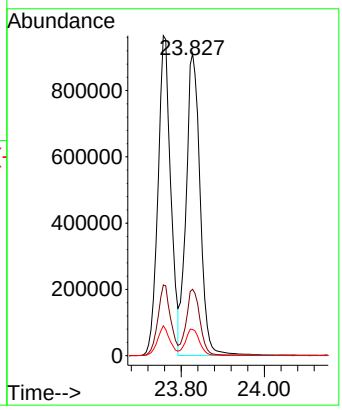


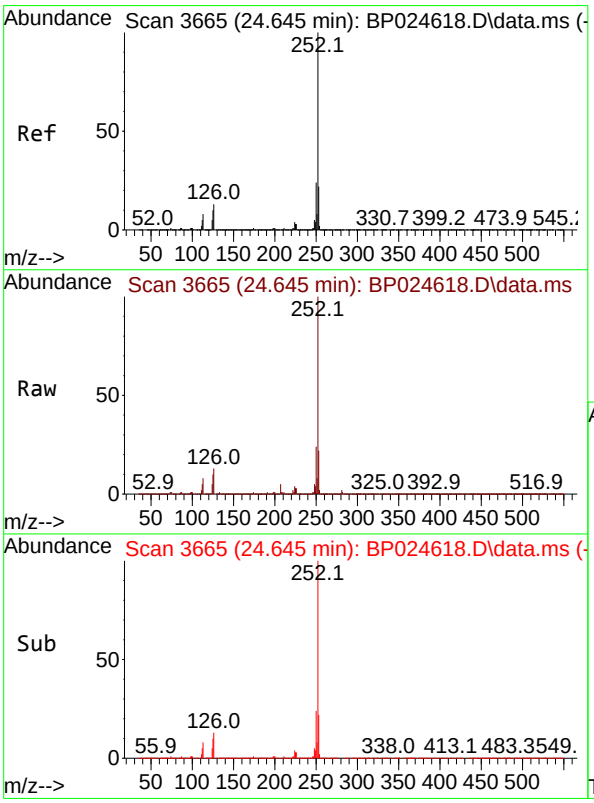

#89
Benzo(k)fluoranthene
Concen: 38.667 ng
RT: 23.827 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:252 Resp: 2120721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.6 | 26.4 |
| 125 | 8.7 | 7.0 | 10.4 |

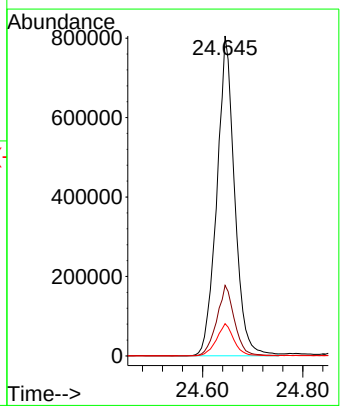


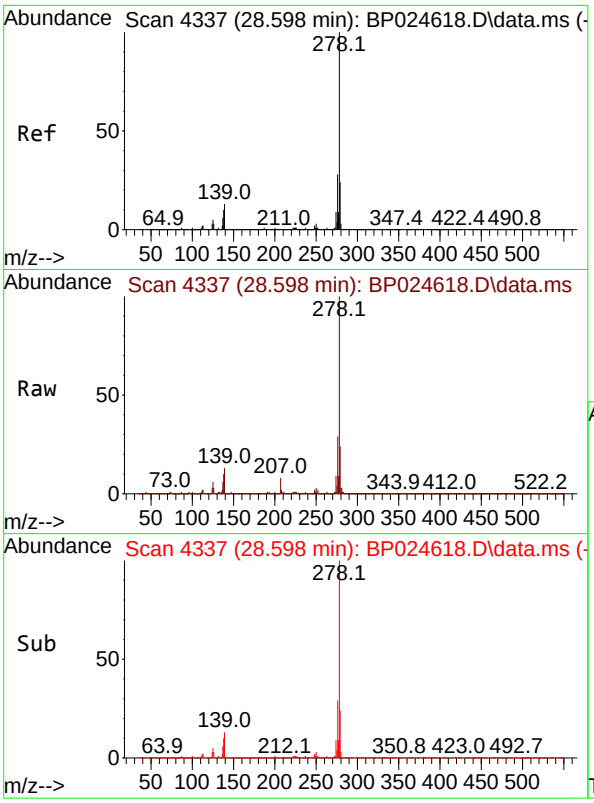




#90
Benzo(a)pyrene
Concen: 38.714 ng
RT: 24.645 min Scan# 3665
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:252 Resp: 1979017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.7 | 26.5 |
| 125 | 10.1 | 8.1 | 12.1 |



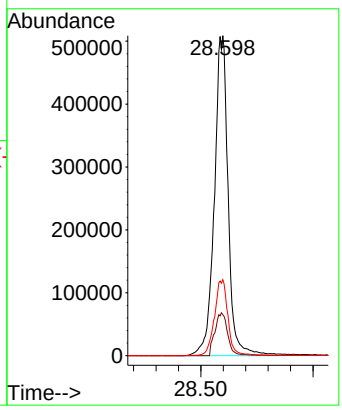


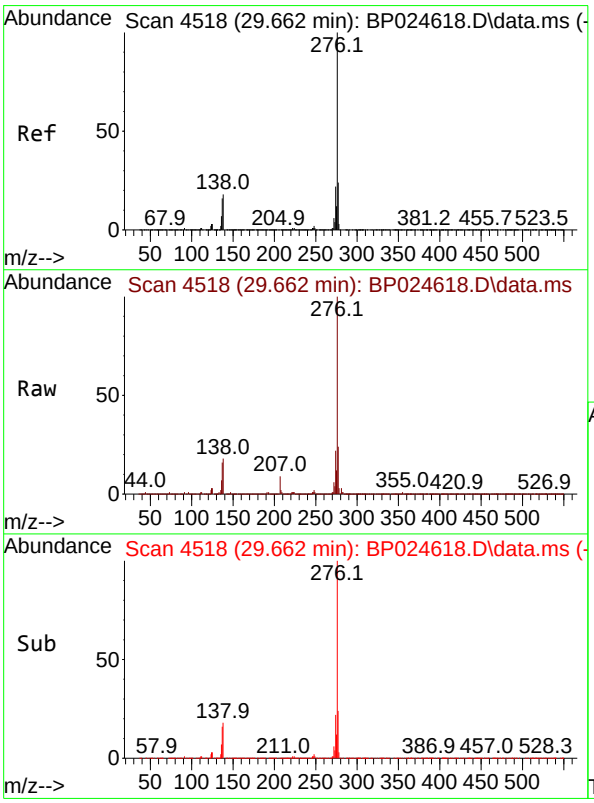

#91
Dibenzo(a,h)anthracene
Concen: 39.304 ng
RT: 28.598 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:278 Resp: 2170712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 12.8 | 10.2 | 15.4 |
| 279 | 23.7 | 19.0 | 28.4 |

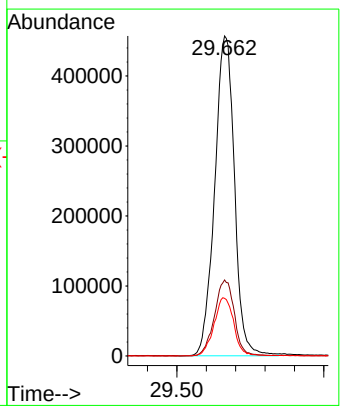



#92
Benzo(g,h,i)perylene
Concen: 38.836 ng
RT: 29.662 min Scan# 4518
Delta R.T. 0.000 min
Lab File: BP024618.D
Acq: 13 May 2025 13:24

Tgt Ion:276 Resp: 2132921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 19.0 | 28.4 |
| 138 | 18.0 | 14.4 | 21.6 |



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024621.D
Acq On : 13 May 2025 15:26
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Quant Time: May 13 16:10:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.663 | 152 | 134481 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.434 | 136 | 584325 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.298 | 164 | 373575 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.104 | 188 | 713479 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.516 | 240 | 765954 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.804 | 264 | 877352 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.287 | 112 | 1283582 | 163.250 | ng | | 0.00 |
| 7) Phenol-d6 | 6.858 | 99 | 1670035 | 166.422 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.822 | 82 | 1840183 | 159.120 | ng | | 0.01 |
| 42) 2,4,6-Tribromophenol | 15.828 | 330 | 1032638 | 163.052 | ng | | 0.02 |
| 45) 2-Fluorobiphenyl | 12.910 | 172 | 4438179 | 155.647 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.816 | 244 | 7152255 | 160.113 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.228 | 88 | 275790 | 74.698 | ng | | 99 |
| 3) Pyridine | 3.622 | 79 | 679364 | 82.984 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.534 | 42 | 289012 | 79.965 | ng | | 100 |
| 6) Aniline | 7.005 | 93 | 1075238 | 82.991 | ng | | 100 |
| 8) 2-Chlorophenol | 7.240 | 128 | 740005 | 82.906 | ng | | 99 |
| 9) Benzaldehyde | 6.822 | 77 | 412028 | 63.537 | ng | | 100 |
| 10) Phenol | 6.887 | 94 | 859122 | 82.949 | ng | | 100 |
| 11) bis(2-Chloroethyl)ether | 7.099 | 93 | 670572 | 78.793 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 7.552 | 146 | 795953 | 77.509 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 7.699 | 146 | 802182 | 77.667 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.010 | 146 | 779316 | 77.434 | ng | | 99 |
| 15) Benzyl Alcohol | 7.910 | 79 | 664684 | 87.163 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.187 | 45 | 782240 | 76.749 | ng | | 98 |
| 17) 2-Methylphenol | 8.110 | 107 | 620901 | 83.583 | ng | | 99 |
| 18) Hexachloroethane | 8.728 | 117 | 306812 | 77.518 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.469 | 70 | 551845 | 79.499 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.440 | 107 | 852078 | 84.323 | ng | | 99 |
| 22) Acetophenone | 8.481 | 105 | 1147610 | 78.624 | ng | # | 99 |
| 24) Nitrobenzene | 8.857 | 77 | 804153 | 79.016 | ng | | 98 |
| 25) Isophorone | 9.381 | 82 | 1593235 | 79.421 | ng | | 100 |
| 26) 2-Nitrophenol | 9.557 | 139 | 442185 | 88.668 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.628 | 122 | 722439 | 82.165 | ng | | 100 |
| 28) bis(2-Chloroethoxy)met... | 9.857 | 93 | 946615 | 78.984 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.099 | 162 | 721701 | 84.703 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.299 | 180 | 755529 | 78.688 | ng | | 98 |
| 31) Naphthalene | 10.487 | 128 | 2354789 | 77.766 | ng | | 100 |
| 32) Benzoic acid | 9.828 | 122 | 525308 | 80.150 | ng | | 99 |
| 33) 4-Chloroaniline | 10.599 | 127 | 1033865 | 84.612 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.769 | 225 | 481140 | 77.354 | ng | | 97 |
| 35) Caprolactam | 11.416 | 113 | 257252 | 83.498 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 11.734 | 107 | 838983 | 80.745 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.093 | 142 | 1529445 | 78.006 | ng | | 100 |
| 38) 1-Methylnaphthalene | 12.322 | 142 | 1613775 | 76.924 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.469 | 216 | 875750 | 80.728 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.446 | 237 | 628436 | 95.536 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 12.716 | 196 | 601332 | 85.581 | ng | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024621.D
Acq On : 13 May 2025 15:26
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Quant Time: May 13 16:10:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.798 | 196 | 657399 | 84.052 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.122 | 154 | 2175624 | 78.795 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.163 | 162 | 1662979 | 78.991 | ng | | 99 |
| 48) 2-Nitroaniline | 13.375 | 65 | 512458 | 82.218 | ng | | 97 |
| 49) Acenaphthylene | 14.016 | 152 | 2773742 | 78.729 | ng | | 99 |
| 50) Dimethylphthalate | 13.763 | 163 | 2182359 | 76.644 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.887 | 165 | 476606 | 79.255 | ng | | 97 |
| 52) Acenaphthene | 14.363 | 154 | 1572103 | 77.619 | ng | | 99 |
| 53) 3-Nitroaniline | 14.222 | 138 | 522849 | 85.151 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 14.428 | 184 | 300458 | 79.295 | ng | | 98 |
| 55) Dibenzofuran | 14.704 | 168 | 2477374 | 76.684 | ng | | 99 |
| 56) 4-Nitrophenol | 14.557 | 139 | 409954 | 77.271 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 14.681 | 165 | 678287 | 80.005 | ng | | 97 |
| 58) Fluorene | 15.363 | 166 | 2003709 | 76.064 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.945 | 232 | 588947 | 81.172 | ng | | 98 |
| 60) Diethylphthalate | 15.145 | 149 | 2193488 | 76.218 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.363 | 204 | 997863 | 75.958 | ng | | 99 |
| 62) 4-Nitroaniline | 15.404 | 138 | 509582 | 85.237 | ng | | 99 |
| 63) Azobenzene | 15.663 | 77 | 1858146 | 75.474 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.469 | 198 | 401011 | 87.013 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 15.587 | 169 | 1711679 | 78.104 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.281 | 248 | 684619 | 81.432 | ng | | 98 |
| 68) Hexachlorobenzene | 16.398 | 284 | 856547 | 80.179 | ng | | 99 |
| 69) Atrazine | 16.575 | 200 | 645877 | 80.420 | ng | | 99 |
| 70) Pentachlorophenol | 16.751 | 266 | 548492 | 91.410 | ng | | 99 |
| 71) Phenanthrene | 17.145 | 178 | 3091665 | 77.948 | ng | | 99 |
| 72) Anthracene | 17.239 | 178 | 3161669 | 79.228 | ng | | 99 |
| 73) Carbazole | 17.522 | 167 | 2892236 | 80.076 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.110 | 149 | 3747927 | 80.684 | ng | | 99 |
| 75) Fluoranthene | 19.228 | 202 | 3629085 | 78.274 | ng | | 99 |
| 77) Benzidine | 19.422 | 184 | 1678507 | 79.835 | ng | | 100 |
| 78) Pyrene | 19.604 | 202 | 3747276 | 81.650 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.545 | 149 | 1741954 | 85.344 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.498 | 228 | 3829787 | 79.629 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.422 | 252 | 1575691 | 88.207 | ng | | 100 |
| 83) Chrysene | 21.569 | 228 | 3615014 | 79.290 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.439 | 149 | 2577445 | 85.913 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.686 | 149 | 4341653 | 88.498 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.515 | 276 | 4374706 | 68.278 | ng | # | 91 |
| 88) Benzo(b)fluoranthene | 23.768 | 252 | 4173798 | 83.113 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.833 | 252 | 4160268 | 80.397 | ng | | 100 |
| 90) Benzo(a)pyrene | 24.645 | 252 | 3988360 | 82.694 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.598 | 278 | 4338518 | 83.260 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.680 | 276 | 4253459 | 82.083 | ng | | 99 |

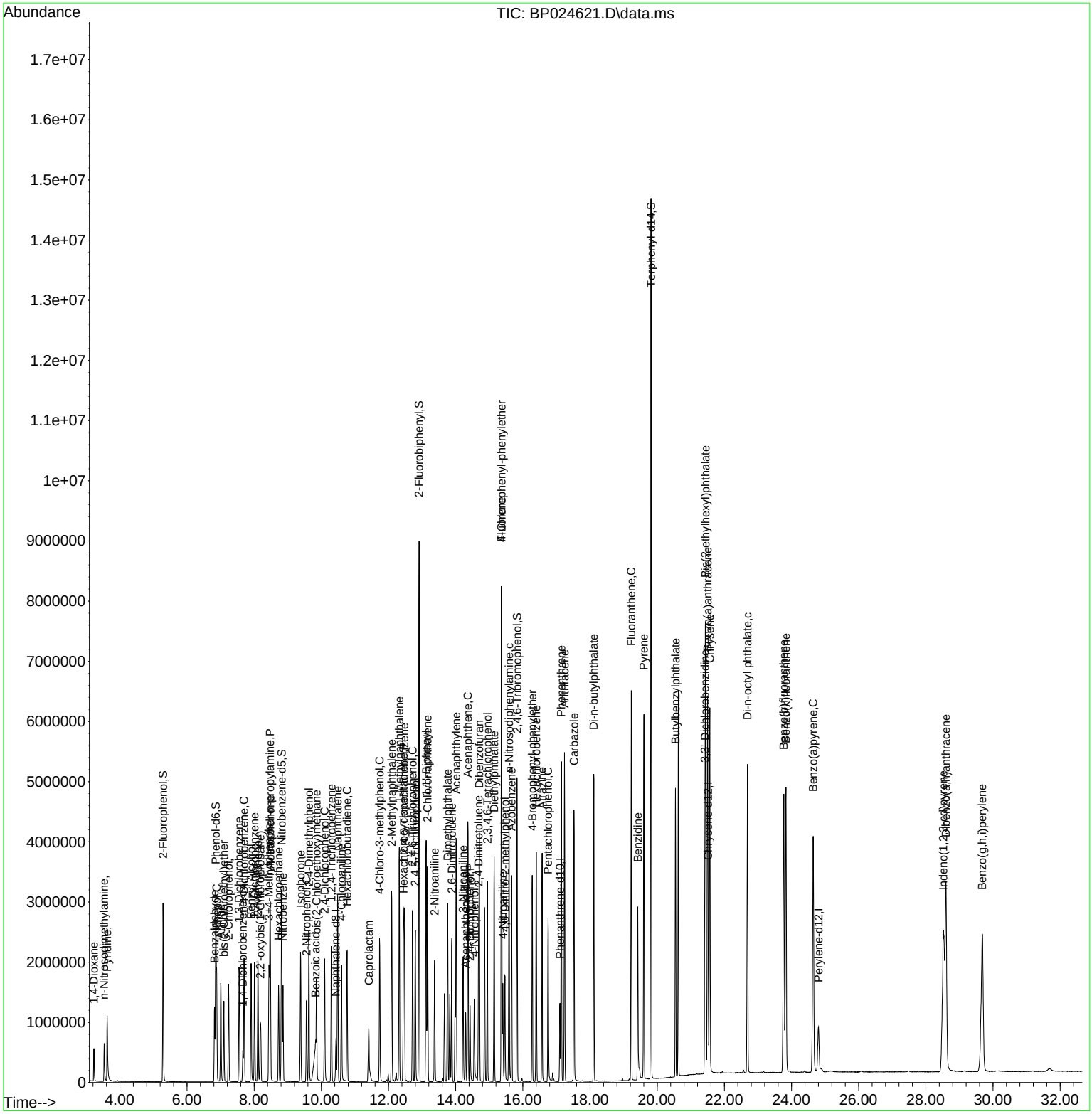
(#) = qualifier out of range (m) = manual integration (+) = signals summed

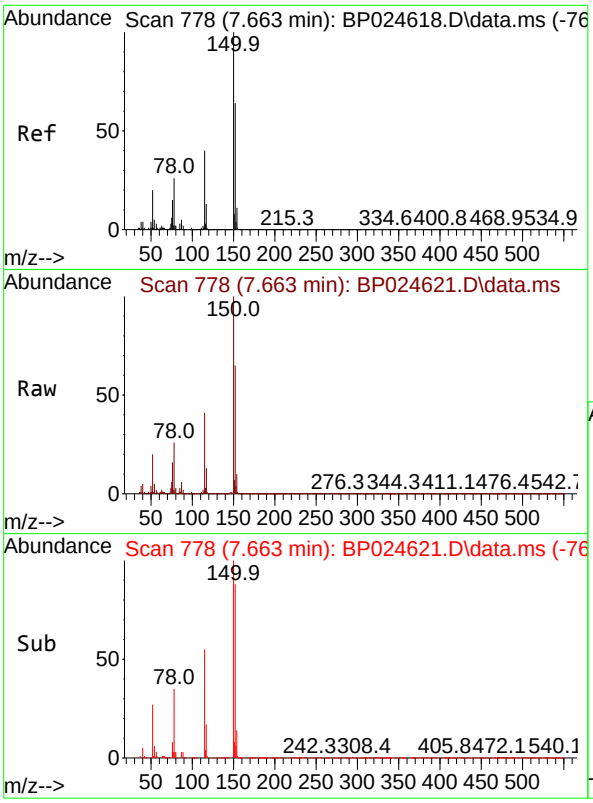
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024621.D
Acq On : 13 May 2025 15:26
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Quant Time: May 13 16:10:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration



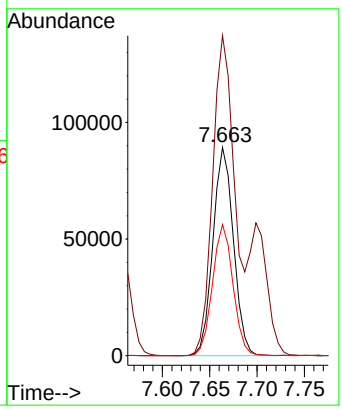


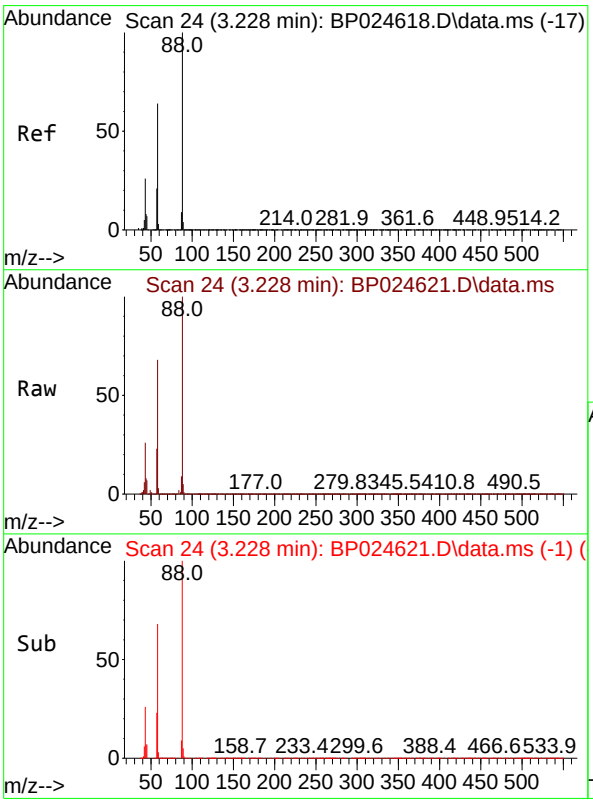

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:152 Resp: 134481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.6 | 125.9 | 188.9 |
| 115 | 63.0 | 50.1 | 75.1 |

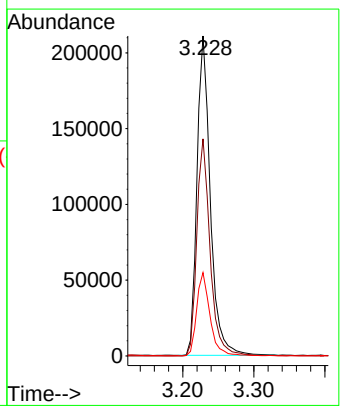


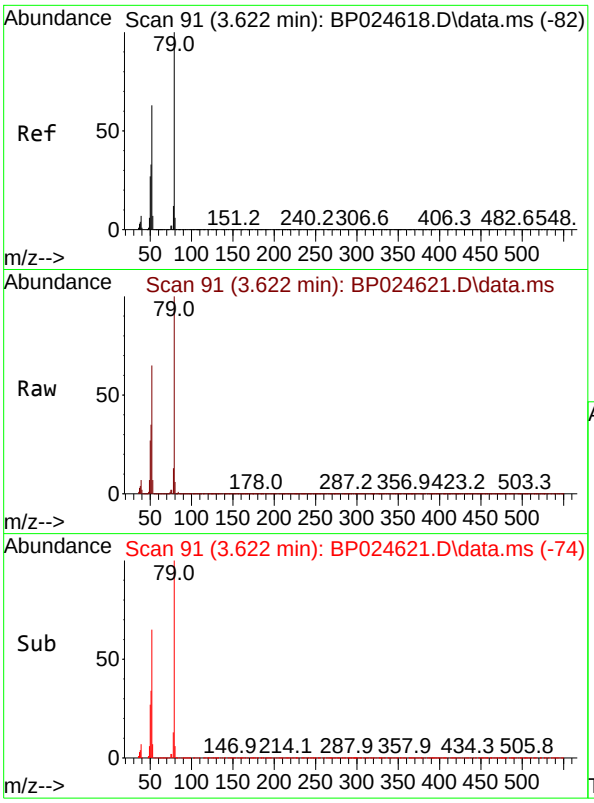




#2
1,4-Dioxane
Concen: 74.698 ng
RT: 3.228 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 88 Resp: 275790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 68.0 | 54.0 | 81.0 |
| 43 | 26.1 | 21.4 | 32.0 |



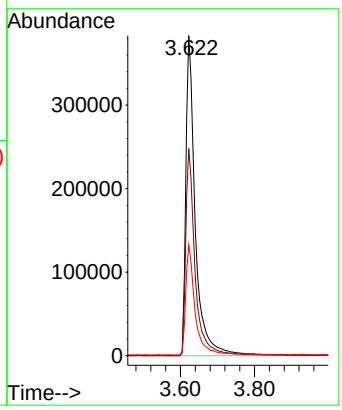


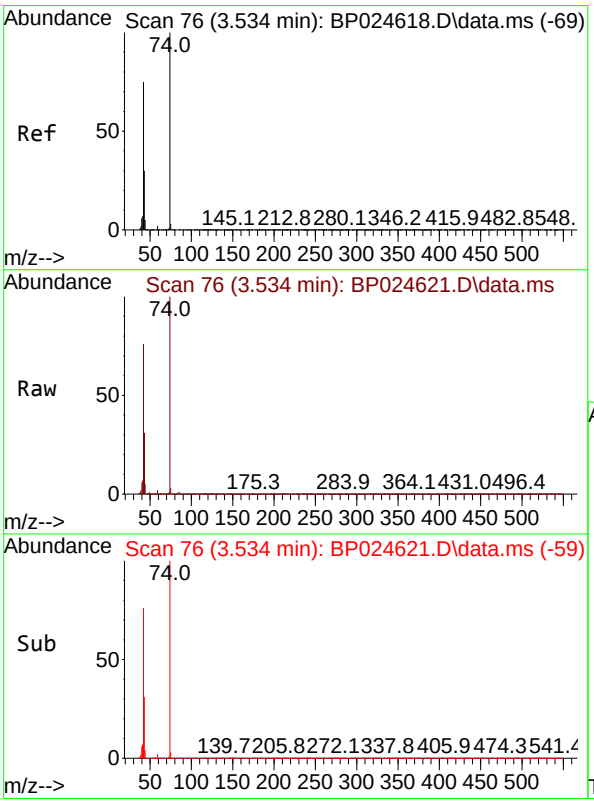

#3
Pyridine
Concen: 82.984 ng
RT: 3.622 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 79 Resp: 679364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 64.7 | 50.2 | 75.2 |
| 51 | 34.6 | 26.8 | 40.2 |

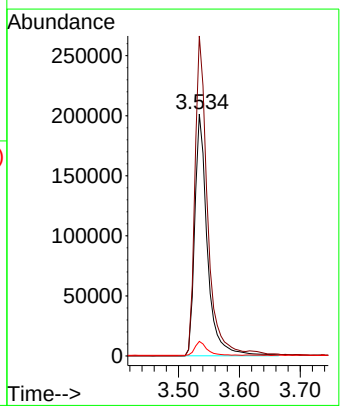


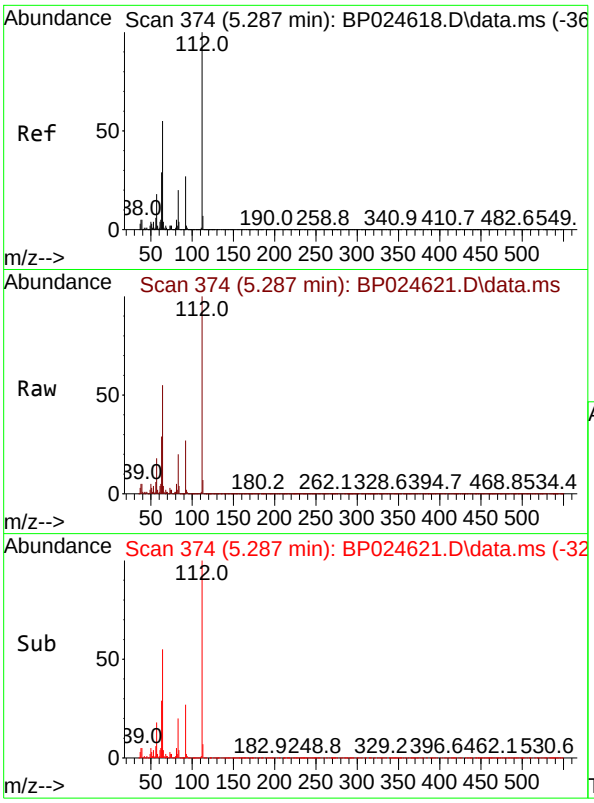




#4
n-Nitrosodimethylamine
Concen: 79.965 ng
RT: 3.534 min Scan# 76
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 42 Resp: 289012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 132.2 | 106.2 | 159.2 |
| 44 | 6.0 | 5.4 | 8.2 |



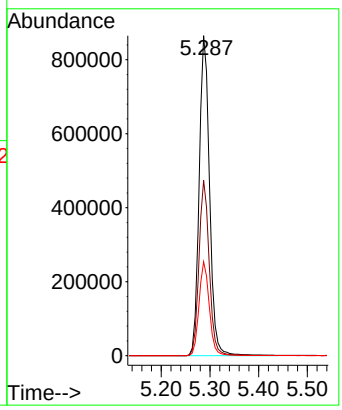


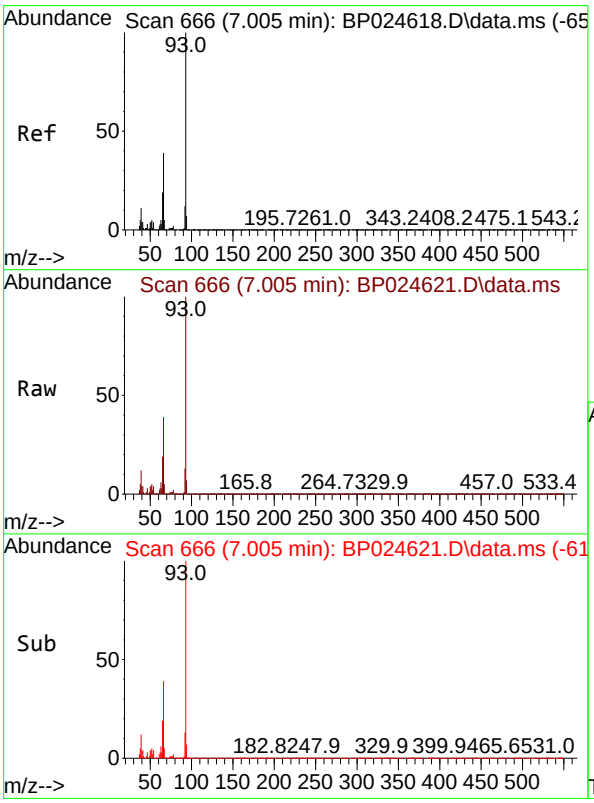

#5
2-Fluorophenol
Concen: 163.250 ng
RT: 5.287 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:112 Resp: 1283582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.8 | 44.1 | 66.1 |
| 63 | 29.4 | 23.5 | 35.3 |

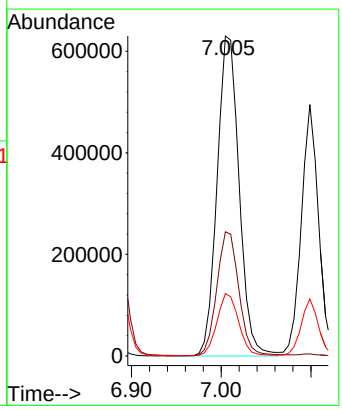


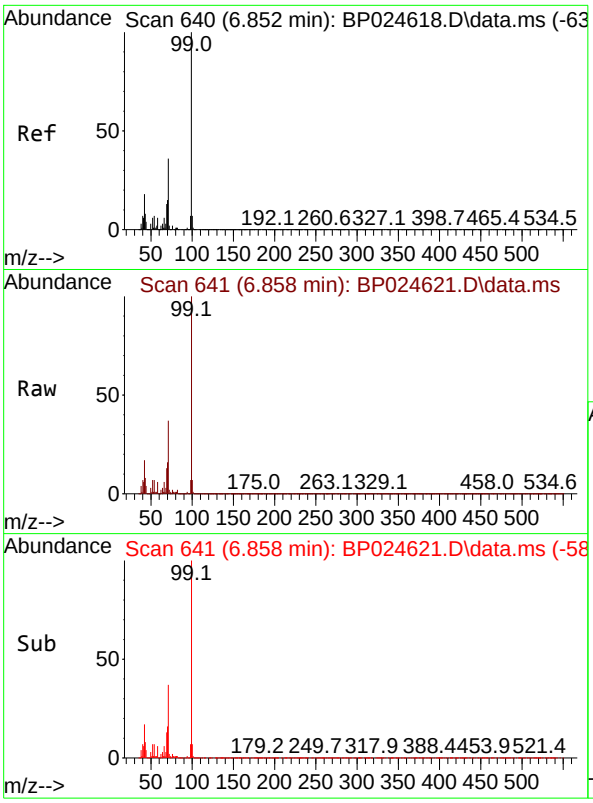




#6
Aniline
Concen: 82.991 ng
RT: 7.005 min Scan# 666
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 93 Resp: 1075238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 38.8 | 31.0 | 46.6 |
| 65 | 19.5 | 15.5 | 23.3 |



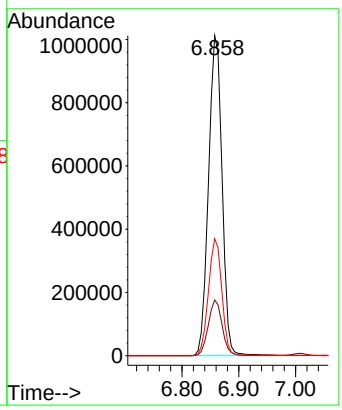


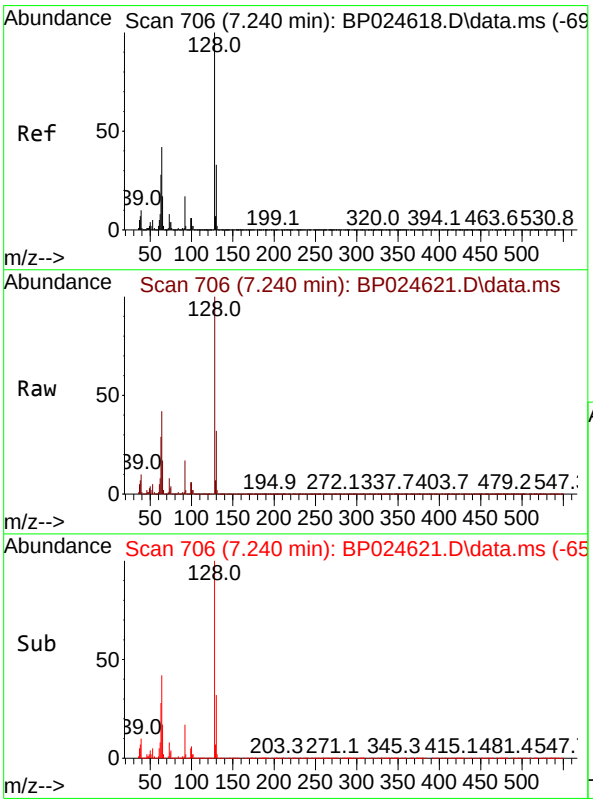

#7
Phenol-d6
Concen: 166.422 ng
RT: 6.858 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 99 Resp: 1670035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.4 | 14.4 | 21.6 |
| 71 | 36.6 | 29.2 | 43.8 |

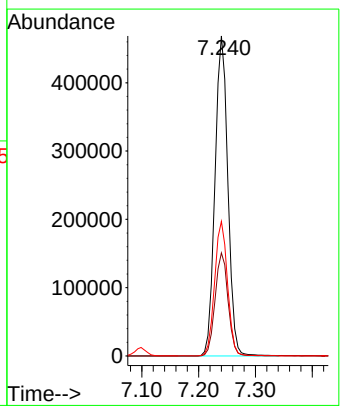


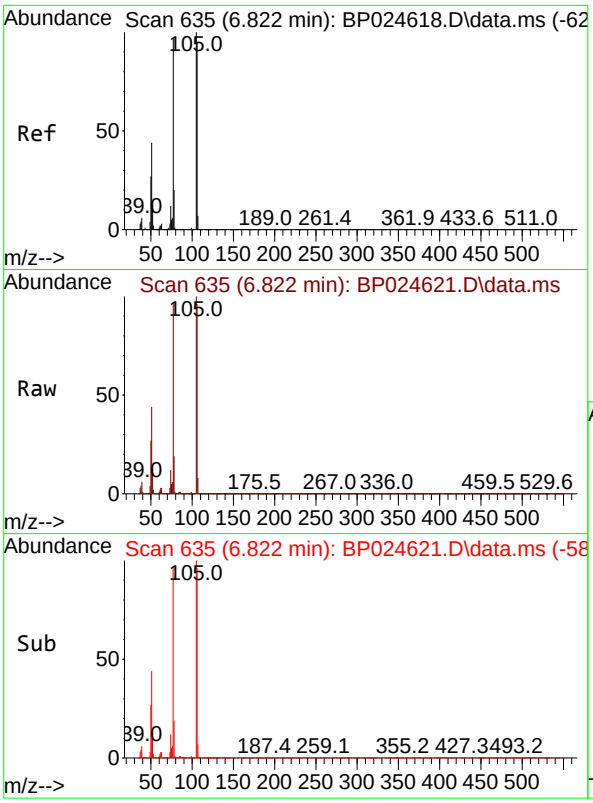




#8
2-Chlorophenol
Concen: 82.906 ng
RT: 7.240 min Scan# 706
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:128 Resp: 740005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.2 | 13.0 | 53.0 |
| 64 | 42.1 | 22.3 | 62.3 |



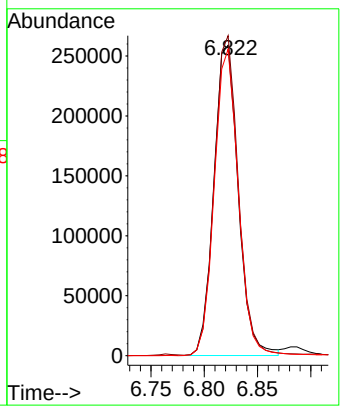


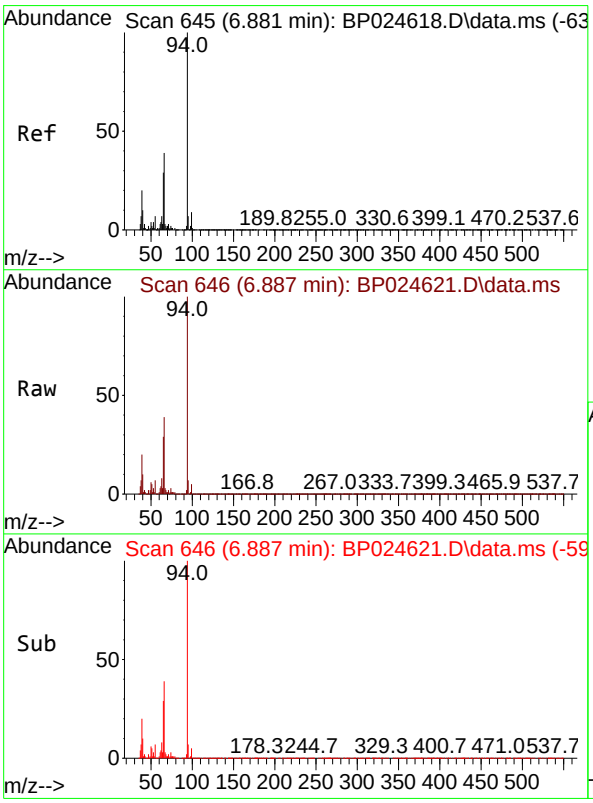

#9
Benzaldehyde
Concen: 63.537 ng
RT: 6.822 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 77 Resp: 412028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 103.1 | 83.3 | 123.3 |
| 106 | 98.7 | 78.0 | 118.0 |

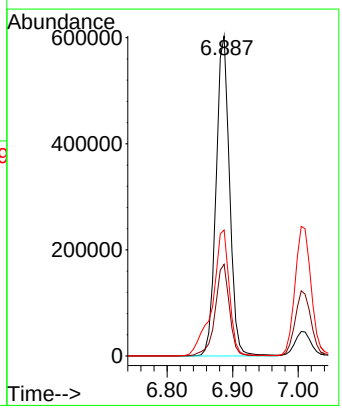


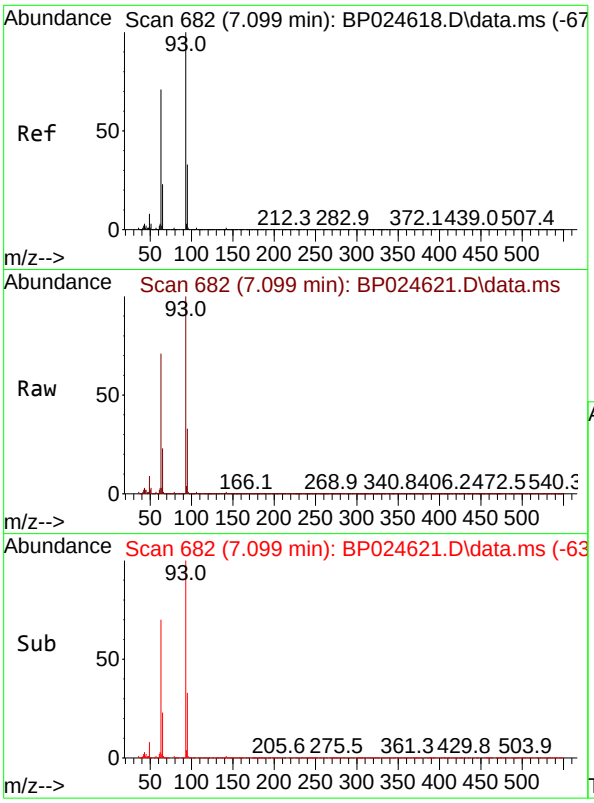




#10
Phenol
Concen: 82.949 ng
RT: 6.887 min Scan# 646
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 94 Resp: 859122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.6 | 8.7 | 48.7 |
| 66 | 39.3 | 19.4 | 59.4 |



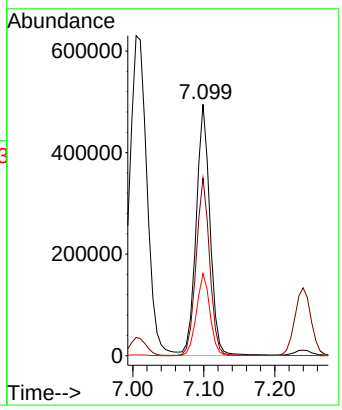


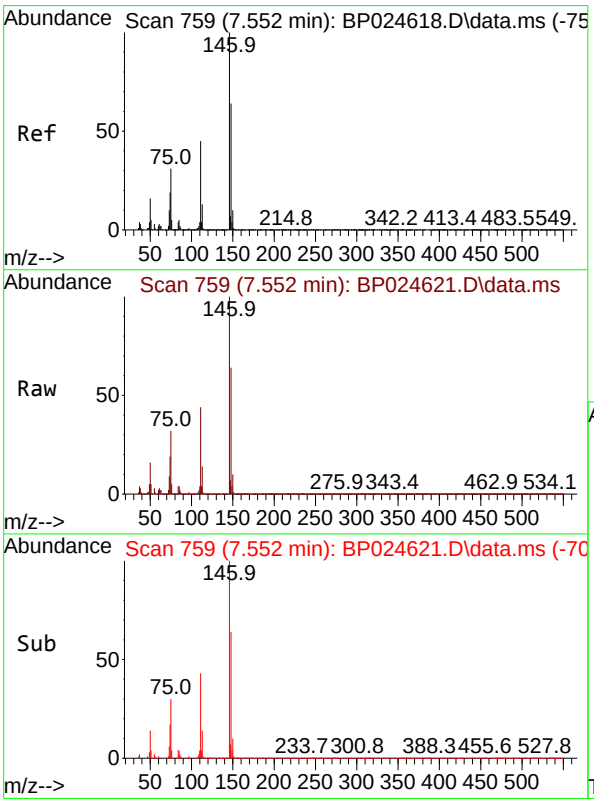

#11
bis(2-Chloroethyl)ether
Concen: 78.793 ng
RT: 7.099 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 93 Resp: 670572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 70.6 | 50.6 | 90.6 |
| 95 | 32.7 | 12.9 | 52.9 |

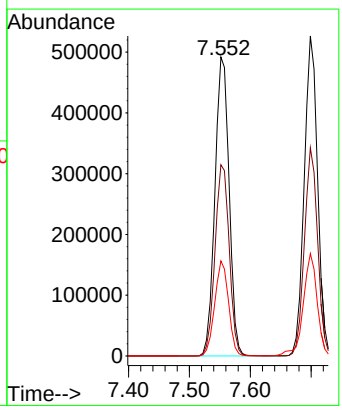


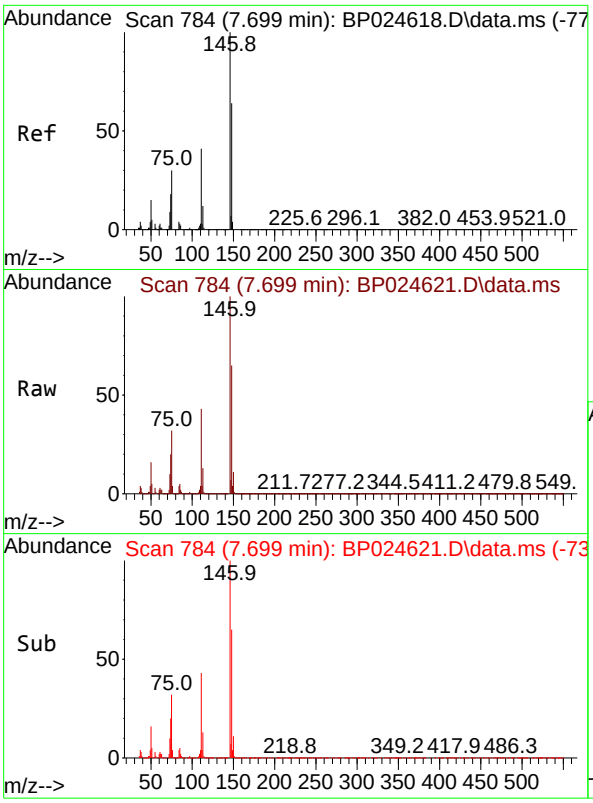




#12
1,3-Dichlorobenzene
Concen: 77.509 ng
RT: 7.552 min Scan# 759
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:146 Resp: 795953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 51.4 | 77.2 |
| 75 | 31.8 | 25.2 | 37.8 |



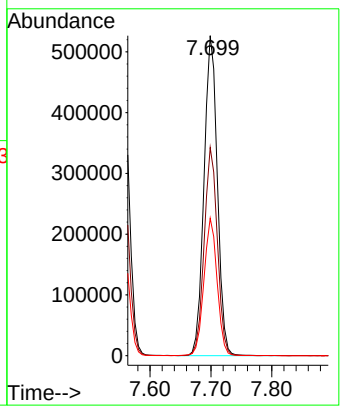


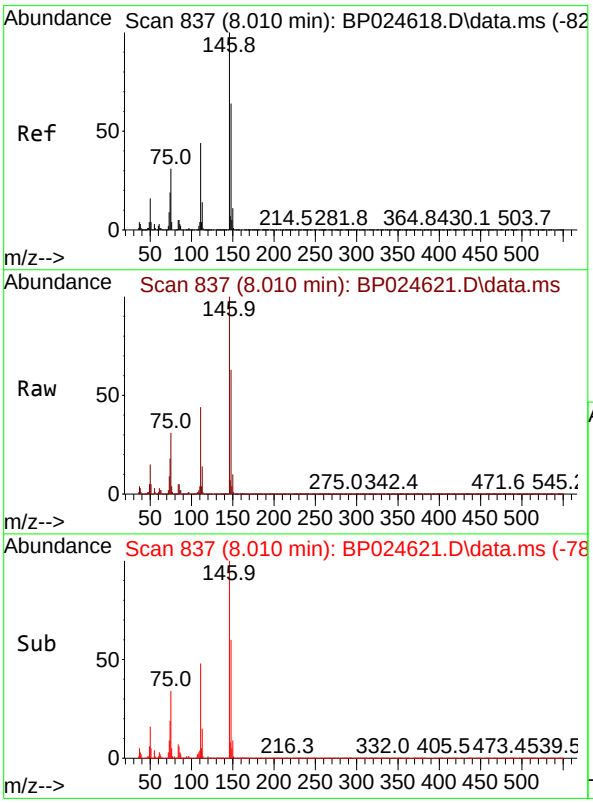

#13
1,4-Dichlorobenzene
Concen: 77.667 ng
RT: 7.699 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:146 Resp: 802182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.1 | 51.0 | 76.6 |
| 111 | 43.0 | 33.0 | 49.6 |

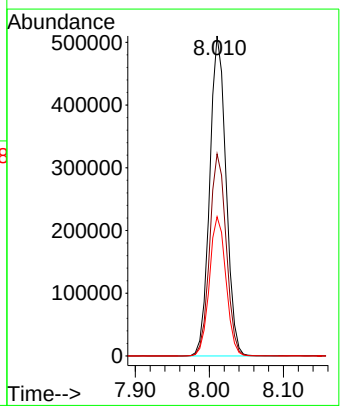


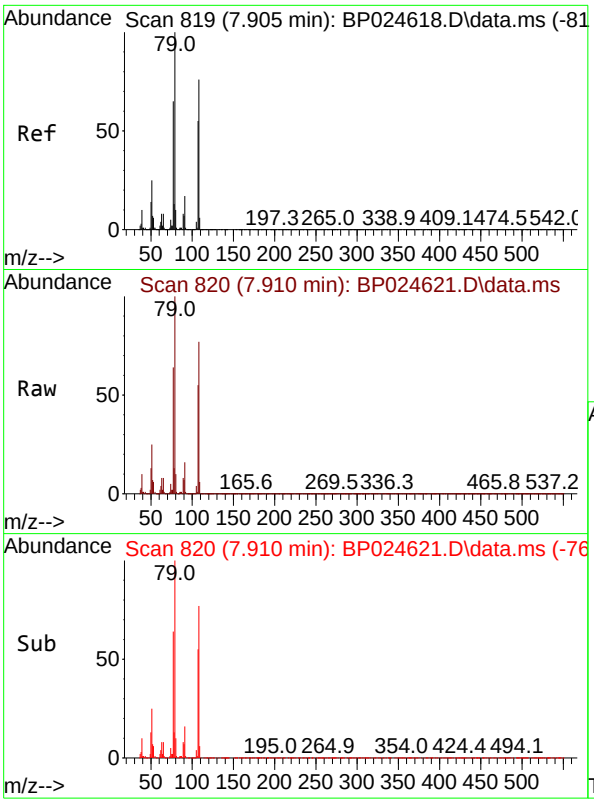




#14
1,2-Dichlorobenzene
Concen: 77.434 ng
RT: 8.010 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:146 Resp: 779316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.2 | 51.0 | 76.4 |
| 111 | 43.5 | 35.2 | 52.8 |



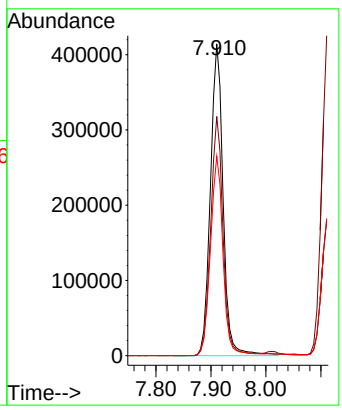


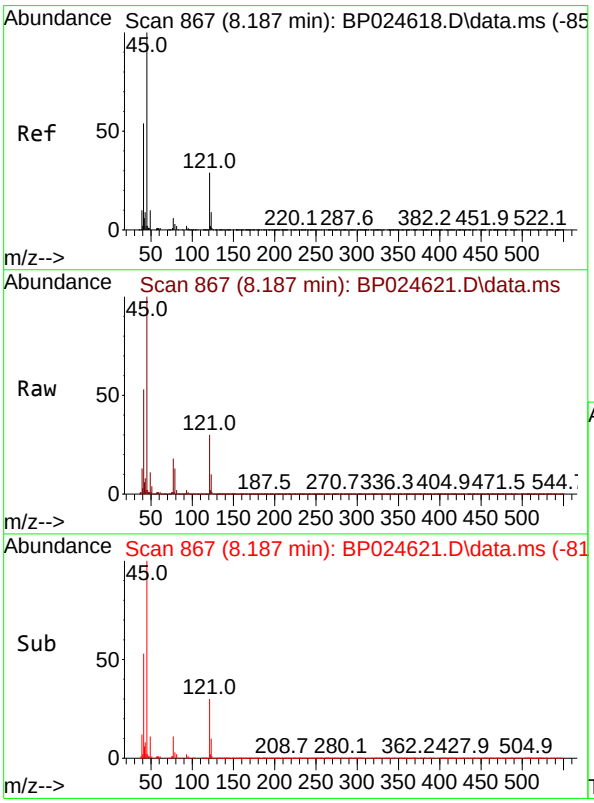

#15
Benzyl Alcohol
Concen: 87.163 ng
RT: 7.910 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 79 Resp: 664684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.7 | 60.8 | 91.2 |
| 77 | 63.9 | 51.9 | 77.9 |

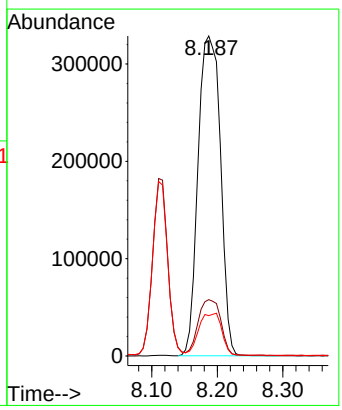


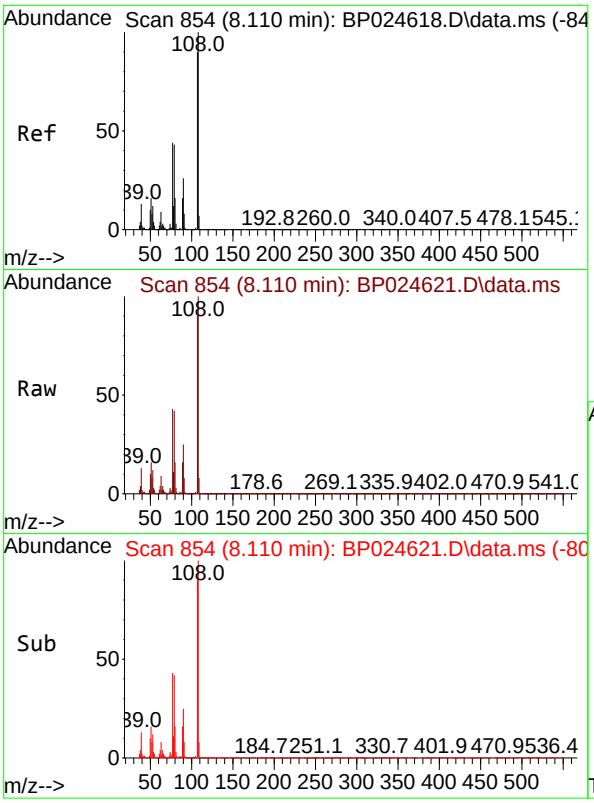




#16
2,2'-oxybis(1-Chloropropane)
Concen: 76.749 ng
RT: 8.187 min Scan# 867
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 45 Resp: 782240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 17.6 | 0.0 | 37.7 |
| 79 | 12.6 | 0.0 | 34.0 |



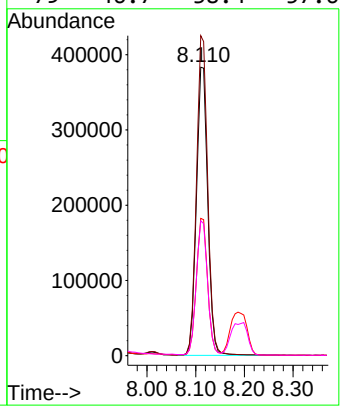


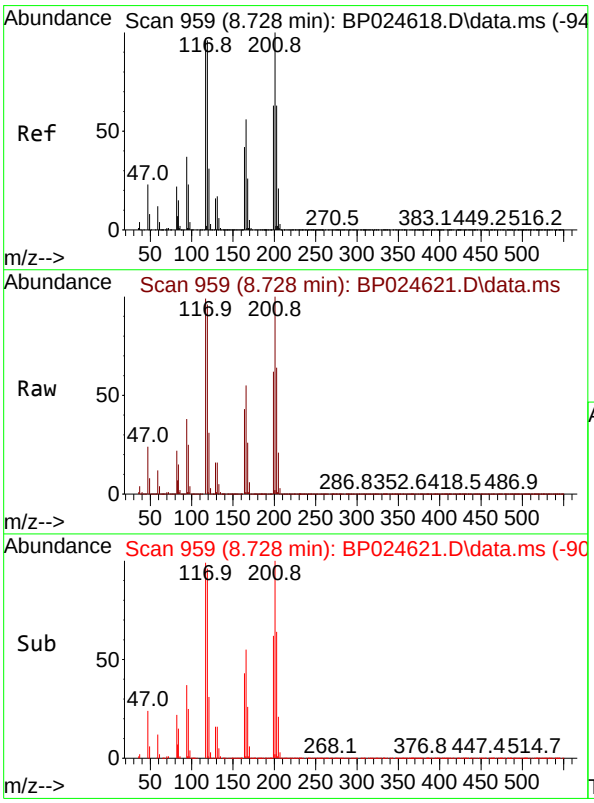

#17
2-Methylphenol
Concen: 83.583 ng
RT: 8.110 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:107 Resp: 620901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 110.9 | 88.9 | 133.3 |
| 77 | 47.6 | 39.0 | 58.6 |
| 79 | 46.7 | 38.4 | 57.6 |

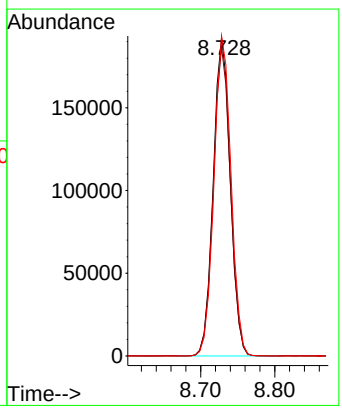


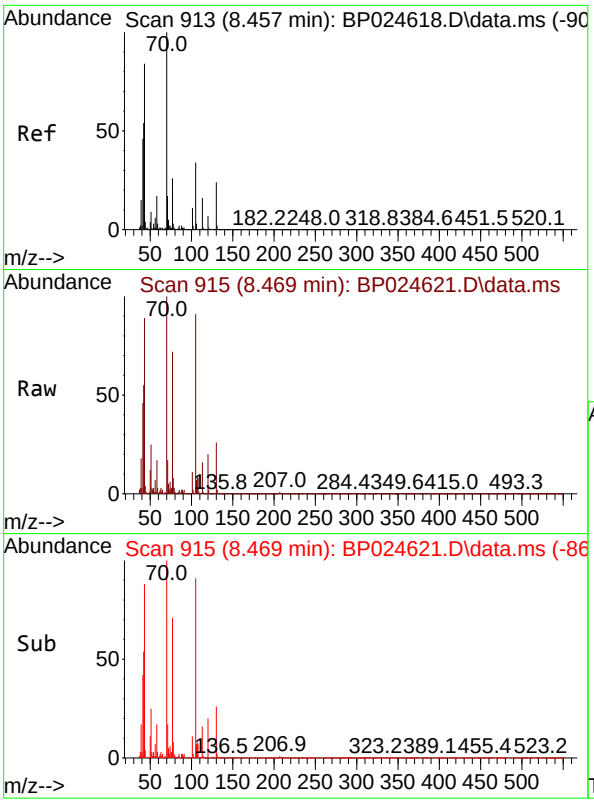




#18
Hexachloroethane
Concen: 77.518 ng
RT: 8.728 min Scan# 959
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:117 Resp: 306812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.9 | 79.4 | 119.0 |
| 201 | 100.5 | 82.7 | 124.1 |



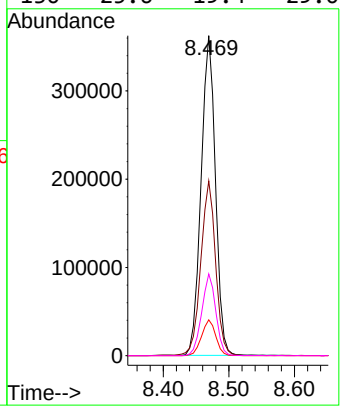


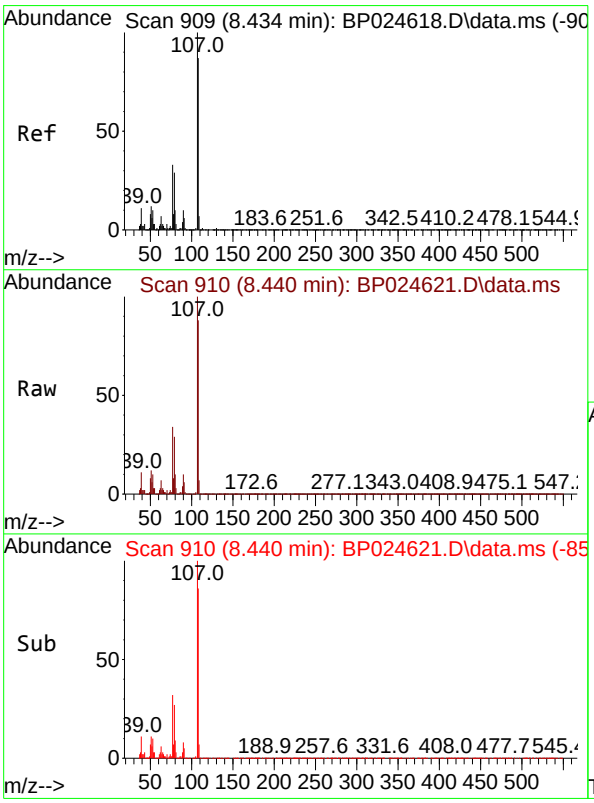

#19
n-Nitroso-di-n-propylamine
Concen: 79.499 ng
RT: 8.469 min Scan# 91
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 70 Resp: 551845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 54.6 | 43.0 | 64.6 |
| 101 | 11.2 | 8.7 | 13.1 |
| 130 | 25.6 | 19.4 | 29.0 |

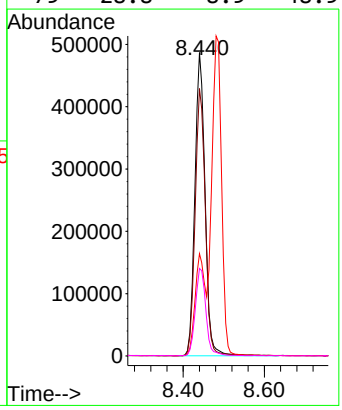


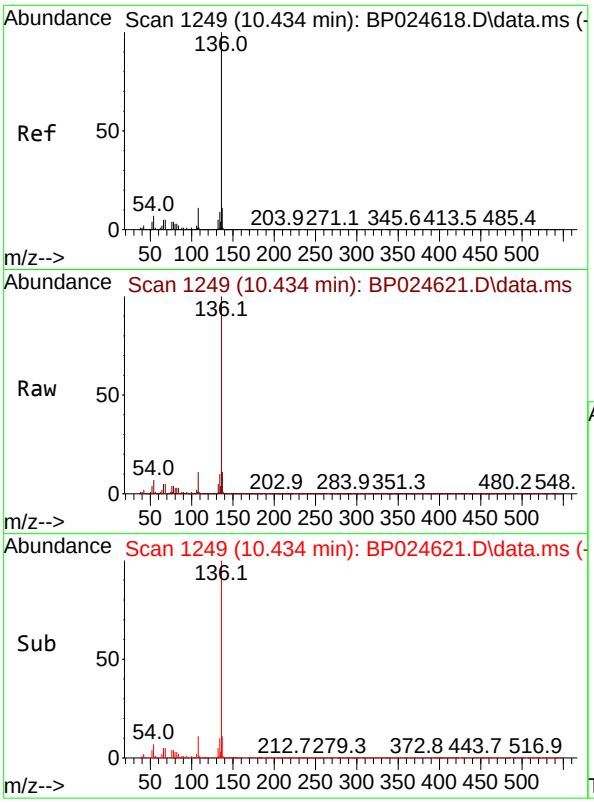




#20
3+4-Methylphenols
Concen: 84.323 ng
RT: 8.440 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:107 Resp: 852078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.1 | 66.7 | 106.7 |
| 77 | 33.7 | 13.1 | 53.1 |
| 79 | 28.8 | 8.9 | 48.9 |



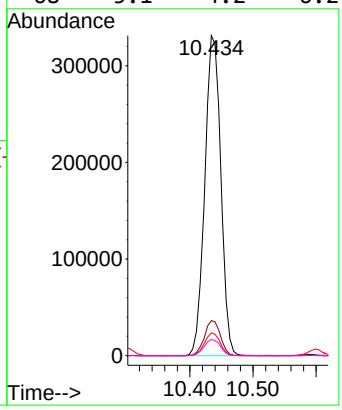


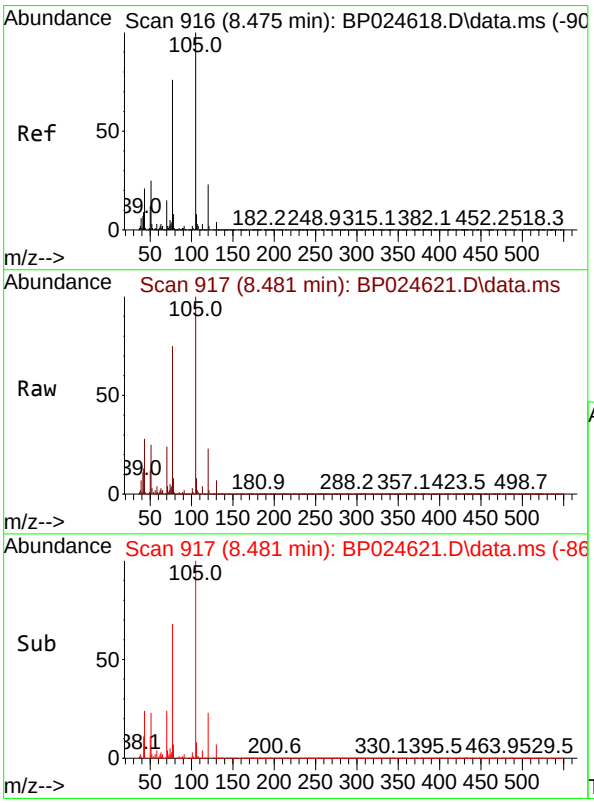

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:136 Resp: 584325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.8 | 13.2 |
| 54 | 7.1 | 5.5 | 8.3 |
| 68 | 5.1 | 4.2 | 6.2 |

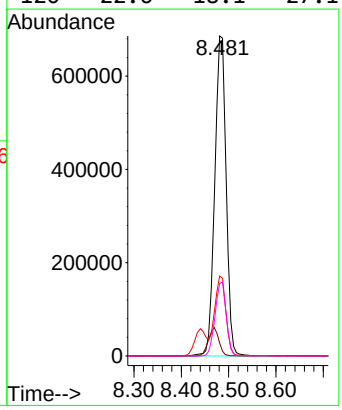


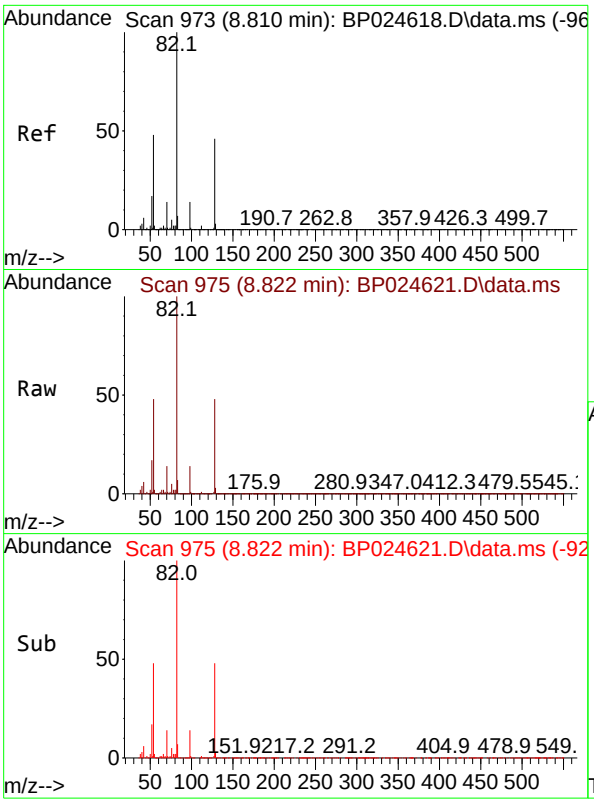




#22
Acetophenone
Concen: 78.624 ng
RT: 8.481 min Scan# 917
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:105 Resp: 1147610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 4.0 | 2.0 | 3.0# |
| 51 | 25.0 | 20.4 | 30.6 |
| 120 | 22.6 | 18.1 | 27.1 |



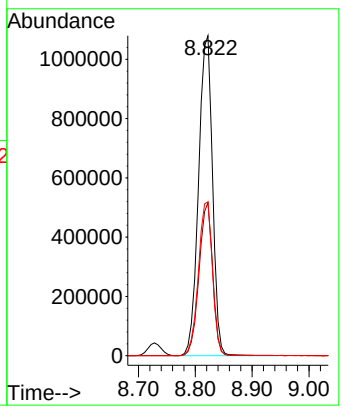


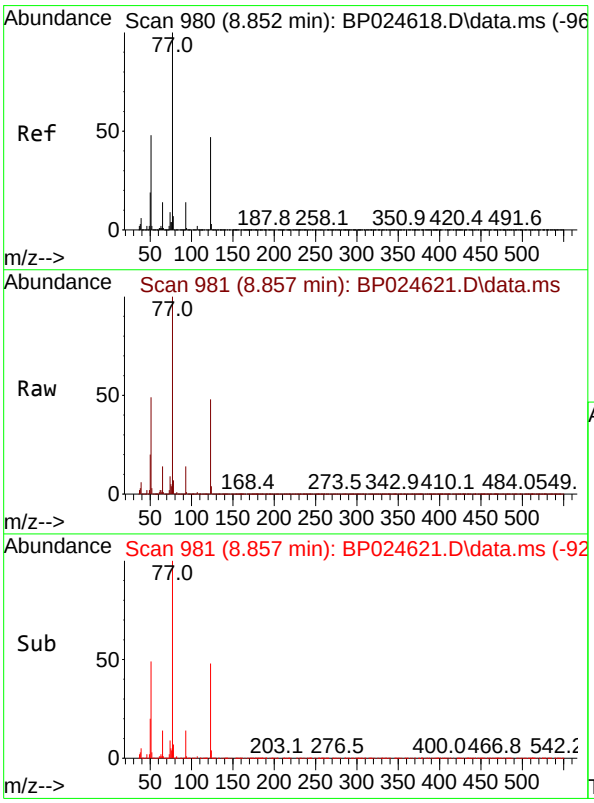

#23
Nitrobenzene-d5
Concen: 159.120 ng
RT: 8.822 min Scan# 9
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 82 Resp: 1840183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.8 | 37.0 | 55.4 |
| 54 | 48.0 | 38.7 | 58.1 |

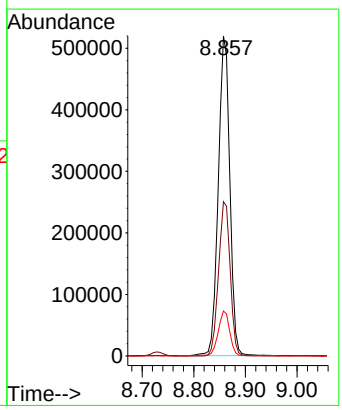


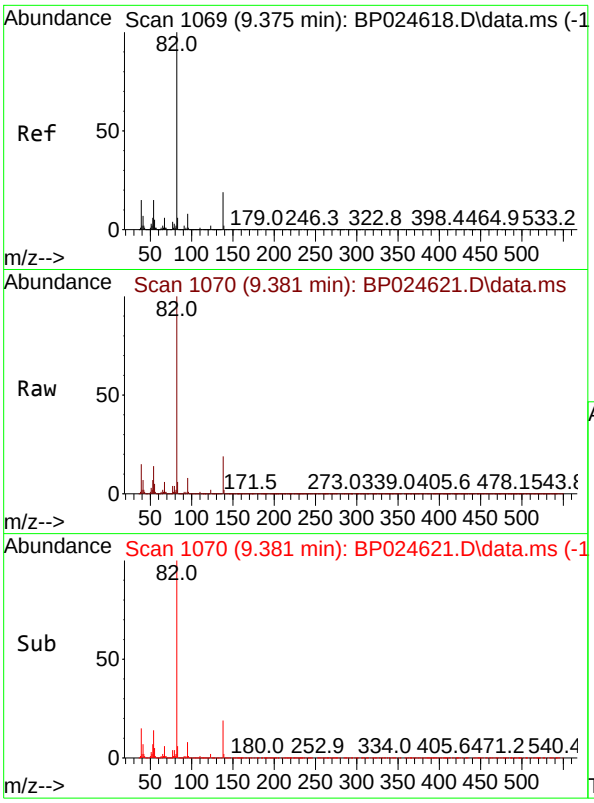




#24
Nitrobenzene
Concen: 79.016 ng
RT: 8.857 min Scan# 981
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 77 Resp: 804153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 48.2 | 37.4 | 56.0 |
| 65 | 14.0 | 11.3 | 16.9 |



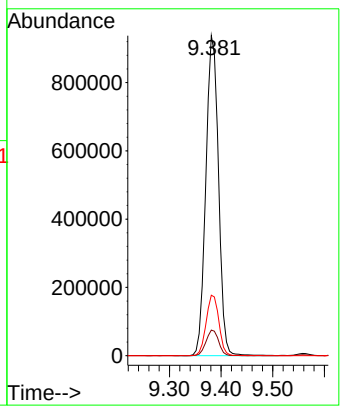


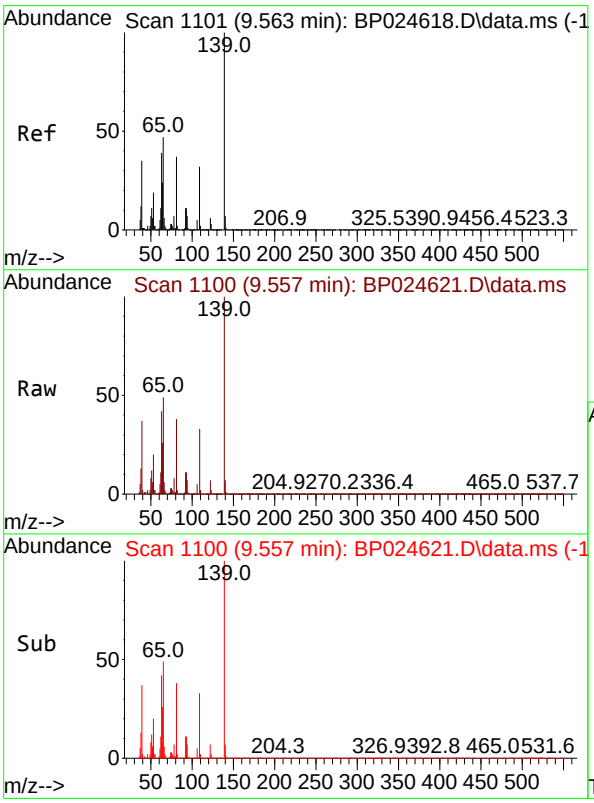

#25
Isophorone
Concen: 79.421 ng
RT: 9.381 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 82 Resp: 1593235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.0 | 6.3 | 9.5 |
| 138 | 18.9 | 15.3 | 22.9 |

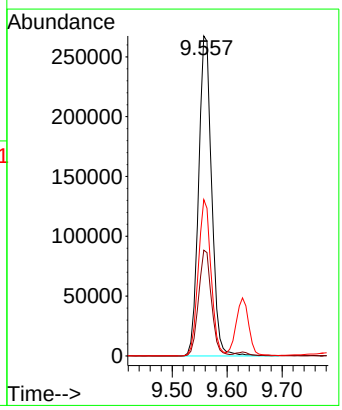


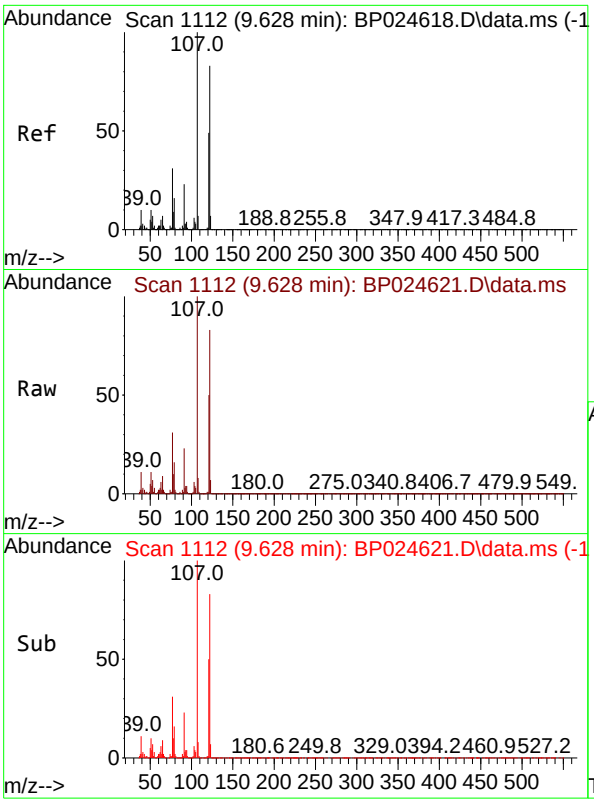




#26
2-Nitrophenol
Concen: 88.668 ng
RT: 9.557 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:139 Resp: 442185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 33.1 | 25.9 | 38.9 |
| 65 | 48.8 | 37.9 | 56.9 |



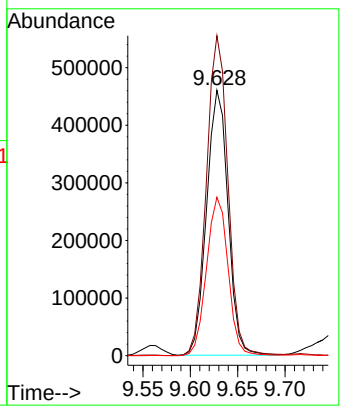


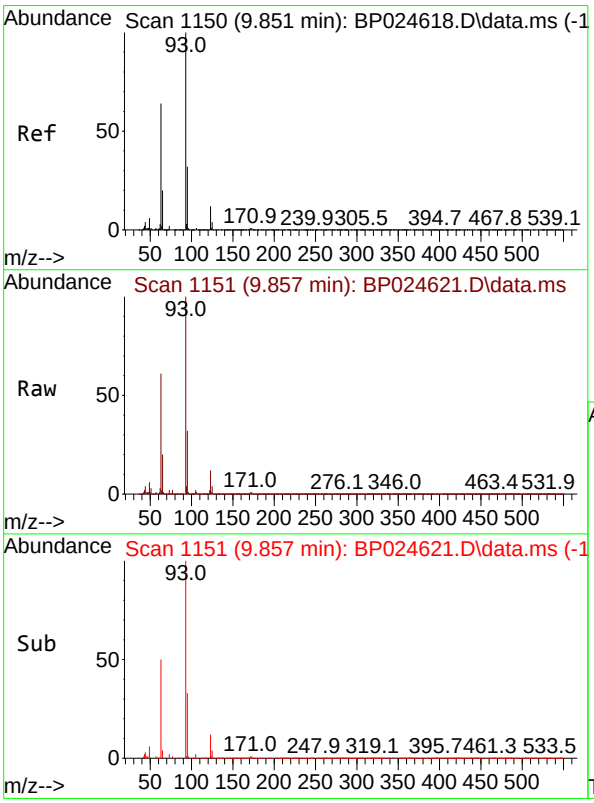

#27
2,4-Dimethylphenol
Concen: 82.165 ng
RT: 9.628 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:122 Resp: 722439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 120.6 | 96.2 | 144.2 |
| 121 | 59.7 | 47.6 | 71.4 |

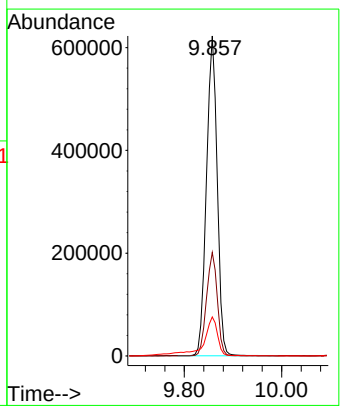


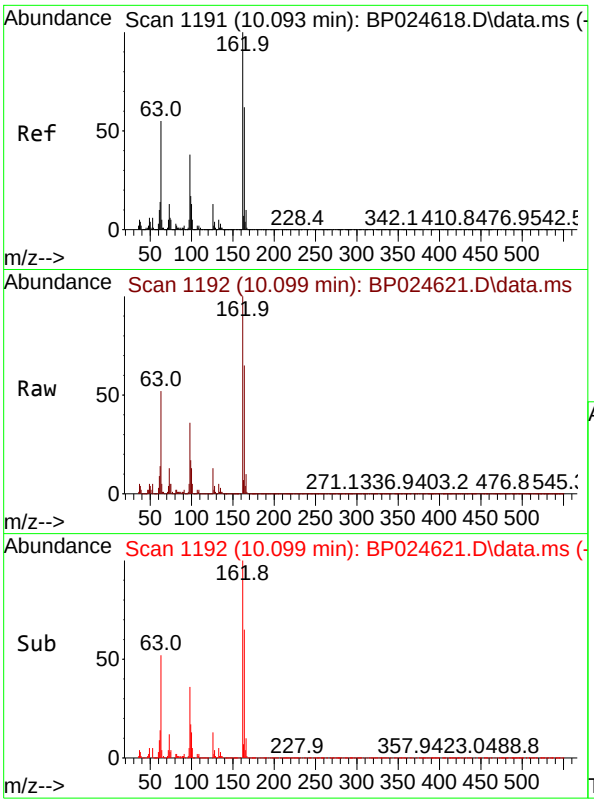




#28
bis(2-Chloroethoxy)methane
Concen: 78.984 ng
RT: 9.857 min Scan# 1151
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 93 Resp: 946615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.4 | 25.5 | 38.3 |
| 123 | 12.2 | 9.7 | 14.5 |



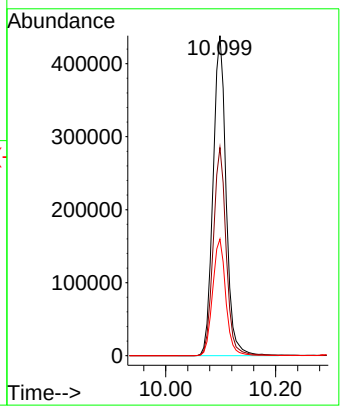


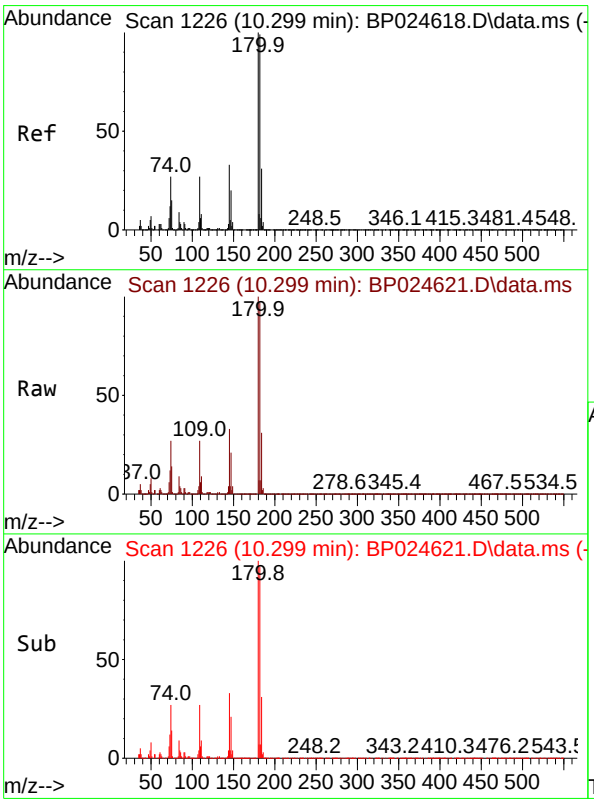

#29
2,4-Dichlorophenol
Concen: 84.703 ng
RT: 10.099 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:162 Resp: 721701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 65.1 | 42.3 | 82.3 |
| 98 | 36.5 | 18.4 | 58.4 |

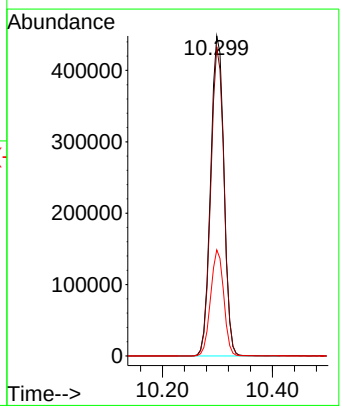


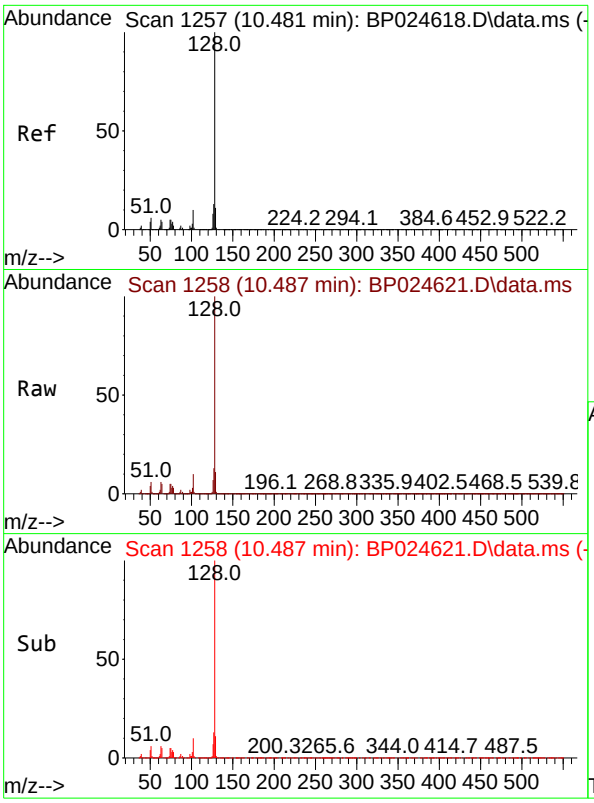




#30
1,2,4-Trichlorobenzene
Concen: 78.688 ng
RT: 10.299 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:180 Resp: 755529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.5 | 79.0 | 118.4 |
| 145 | 33.1 | 26.6 | 39.8 |



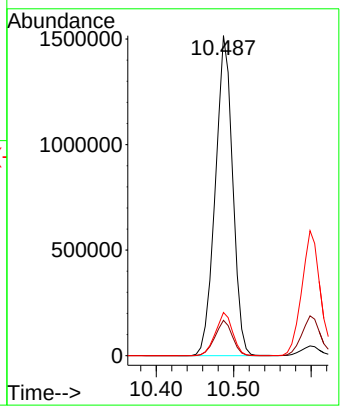


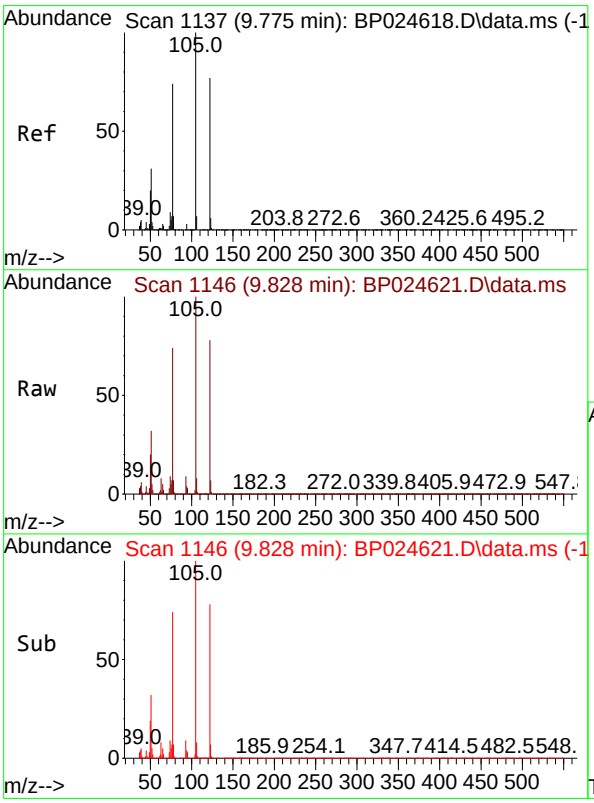

#31
Naphthalene
Concen: 77.766 ng
RT: 10.487 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:128 Resp: 2354789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.8 | 13.2 |
| 127 | 13.5 | 10.7 | 16.1 |

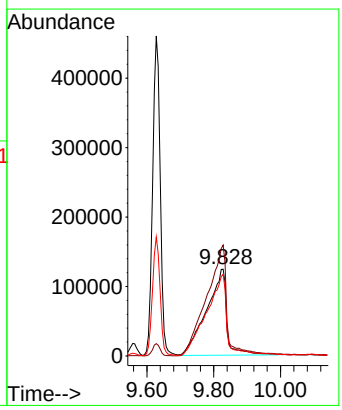


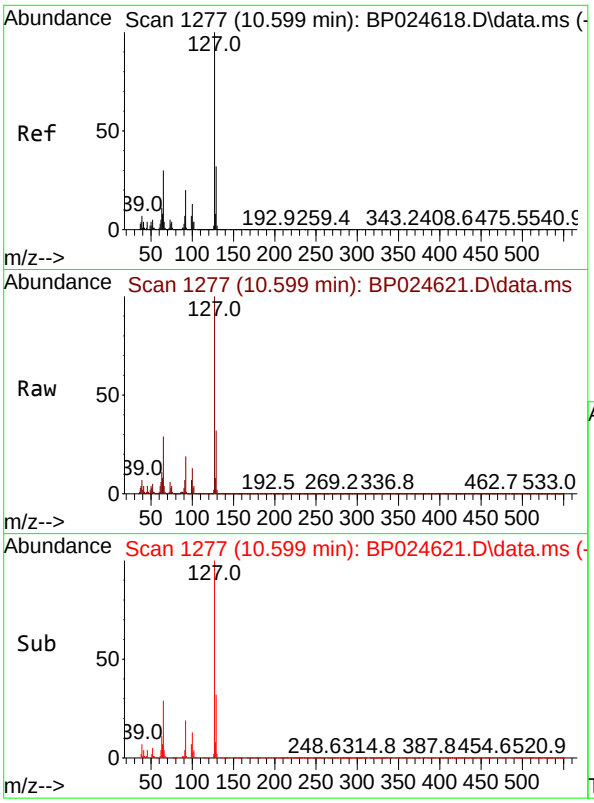




#32
Benzoic acid
Concen: 80.150 ng
RT: 9.828 min Scan# 1146
Delta R.T. 0.053 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:122 Resp: 525308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 127.9 | 106.9 | 146.9 |
| 77 | 94.2 | 75.1 | 115.1 |



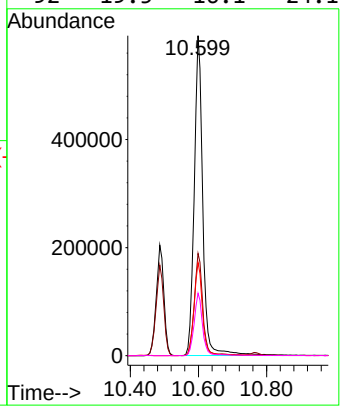


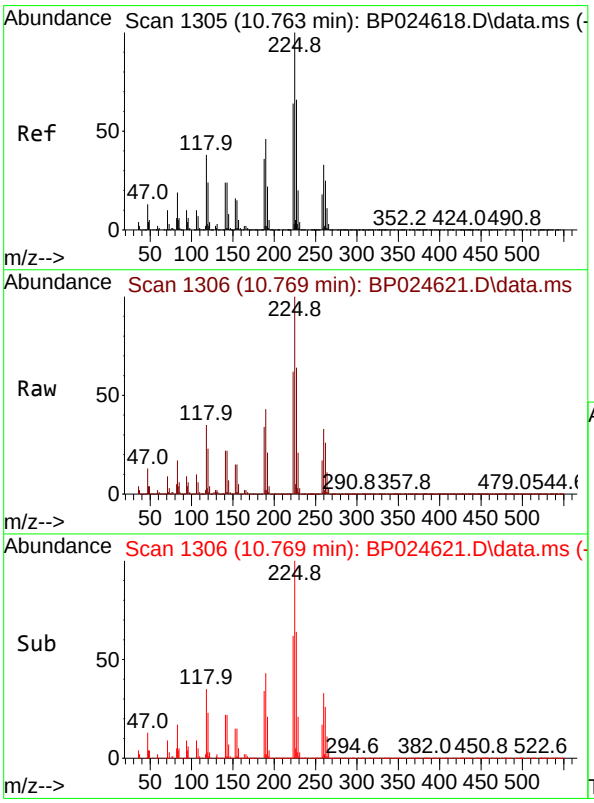

#33
4-Chloroaniline
Concen: 84.612 ng
RT: 10.599 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:127 Resp: 1033865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.9 | 25.8 | 38.6 |
| 65 | 29.1 | 23.9 | 35.9 |
| 92 | 19.5 | 16.1 | 24.1 |

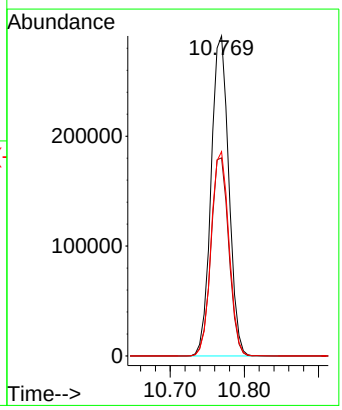


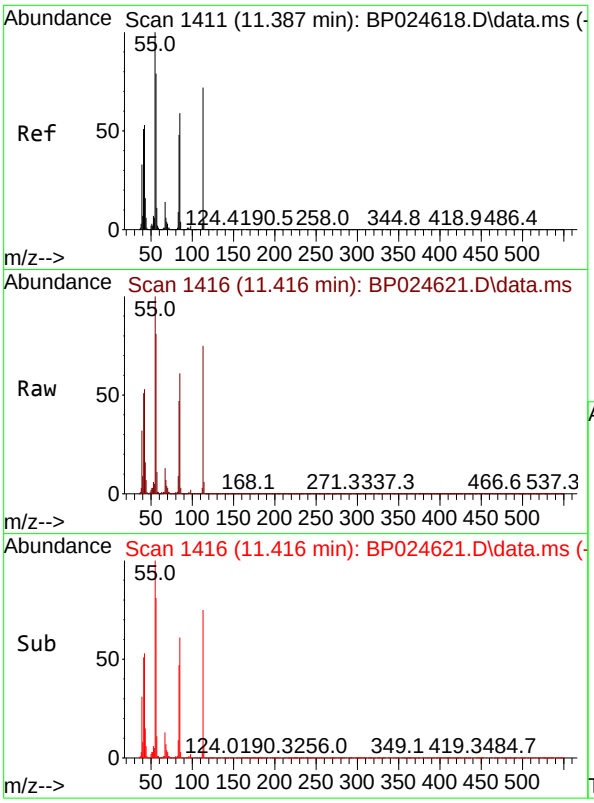




#34
Hexachlorobutadiene
Concen: 77.354 ng
RT: 10.769 min Scan# 1306
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:225 Resp: 481140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.9 | 51.0 | 76.6 |
| 227 | 63.8 | 53.1 | 79.7 |



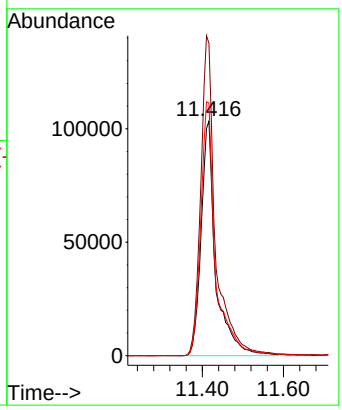


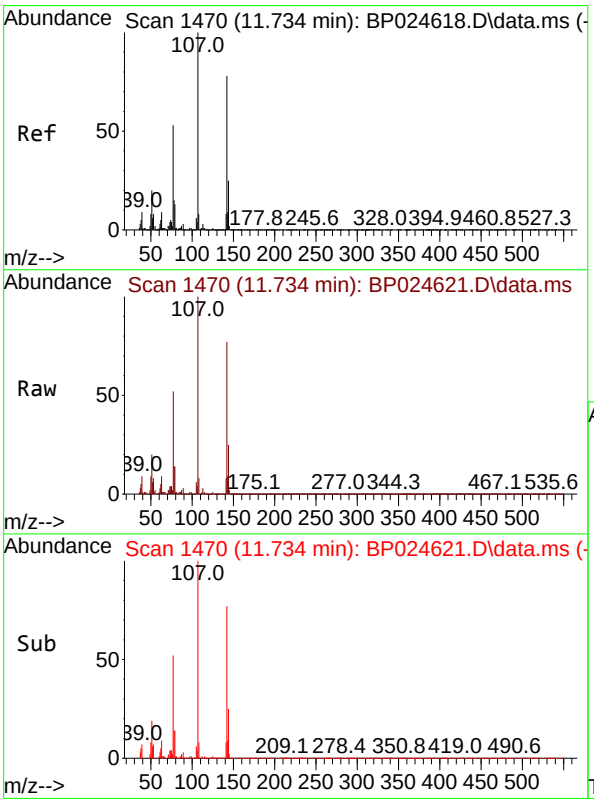

#35
Caprolactam
Concen: 83.498 ng
RT: 11.416 min Scan# 14
Delta R.T. 0.029 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:113 Resp: 257252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 133.3 | 119.0 | 159.0 |
| 56 | 107.8 | 90.3 | 130.3 |

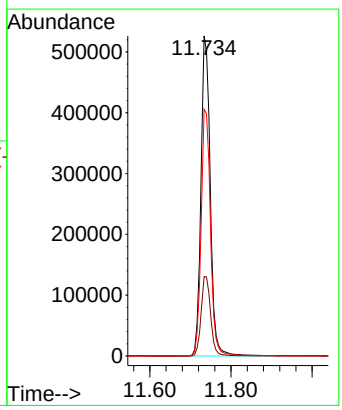


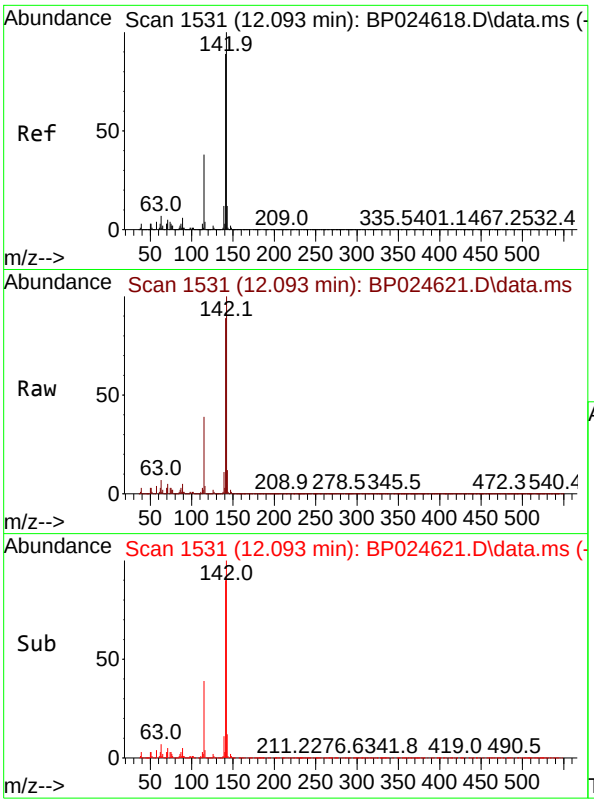




#36
4-Chloro-3-methylphenol
Concen: 80.745 ng
RT: 11.734 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:107 Resp: 838983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.8 | 20.1 | 30.1 |
| 142 | 77.1 | 62.1 | 93.1 |



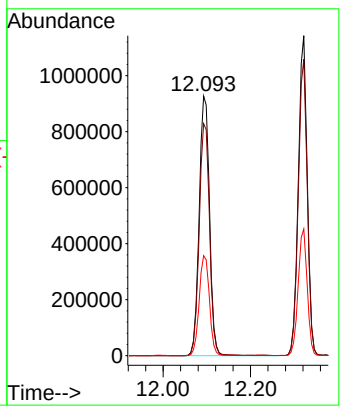


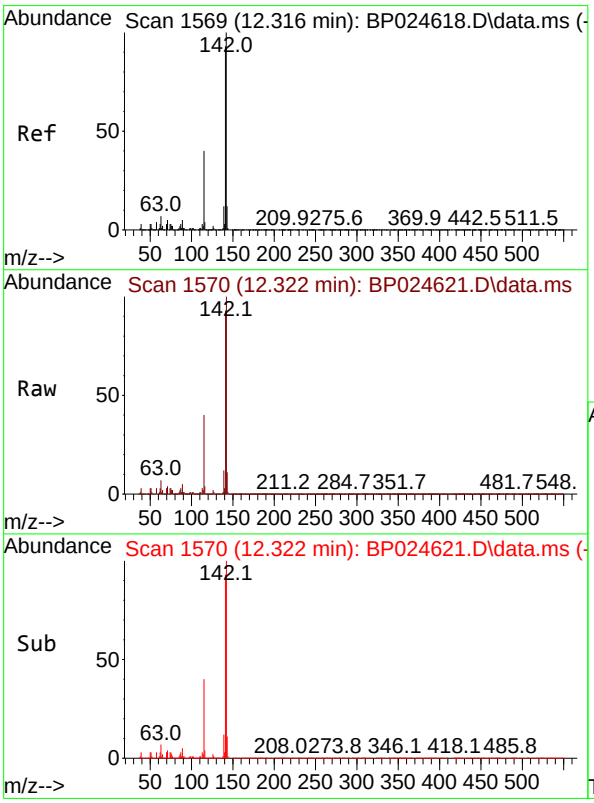

#37
2-Methylnaphthalene
Concen: 78.006 ng
RT: 12.093 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:142 Resp: 1529445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.3 | 71.2 | 106.8 |
| 115 | 38.5 | 30.6 | 46.0 |

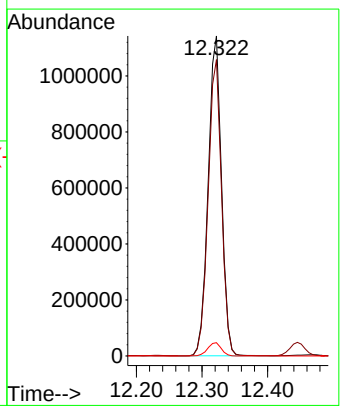


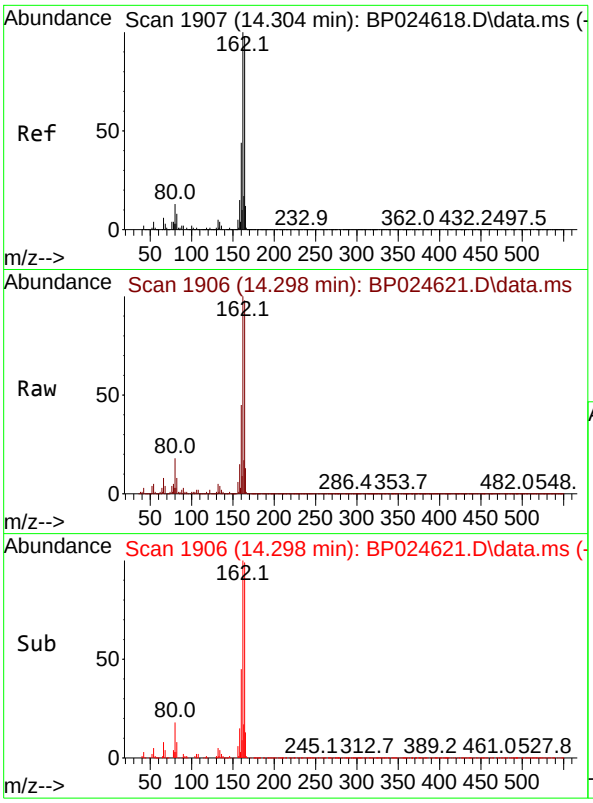




#38
1-Methylnaphthalene
Concen: 76.924 ng
RT: 12.322 min Scan# 1570
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:142 Resp: 1613775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.6 | 74.7 | 112.1 |
| 116 | 4.1 | 3.4 | 5.2 |



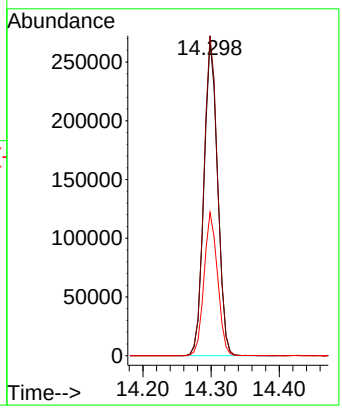


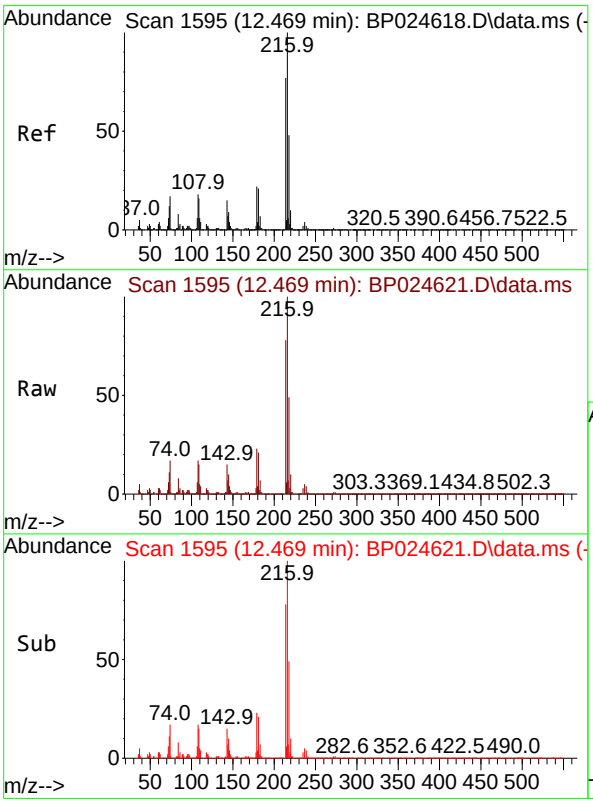

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.298 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:164 Resp: 373575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.5 | 81.8 | 122.6 |
| 160 | 45.5 | 36.3 | 54.5 |

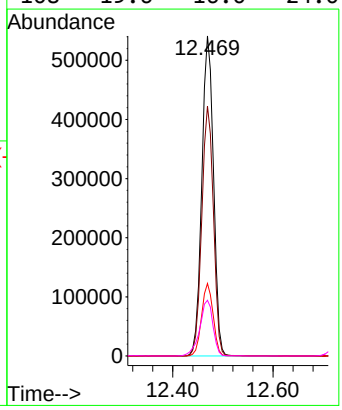


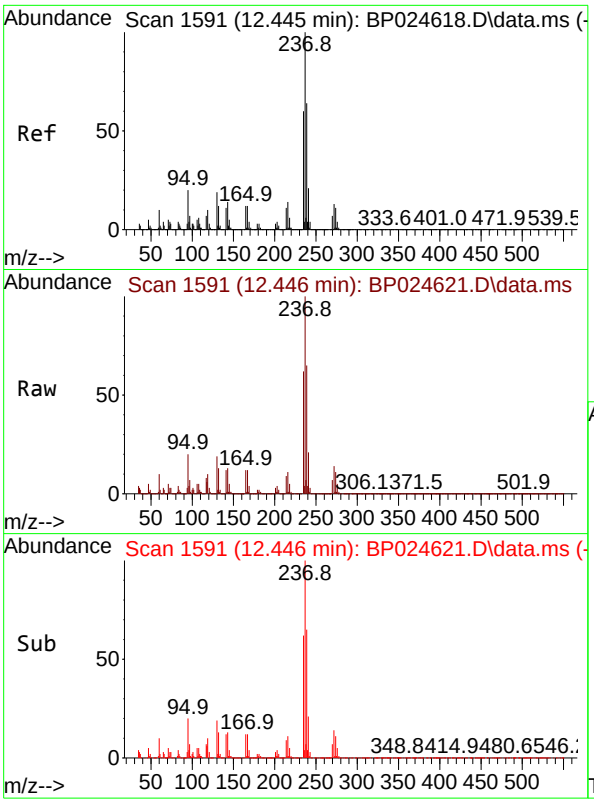




#40
1,2,4,5-Tetrachlorobenzene
Concen: 80.728 ng
RT: 12.469 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:216 Resp: 875750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.0 | 62.3 | 93.5 |
| 179 | 22.4 | 17.7 | 26.5 |
| 108 | 19.6 | 16.0 | 24.0 |



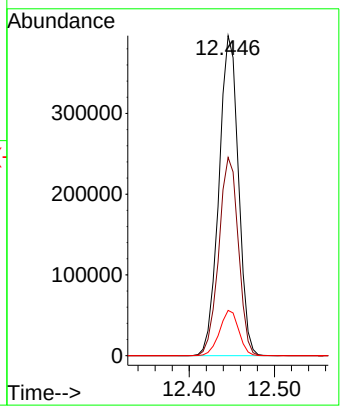


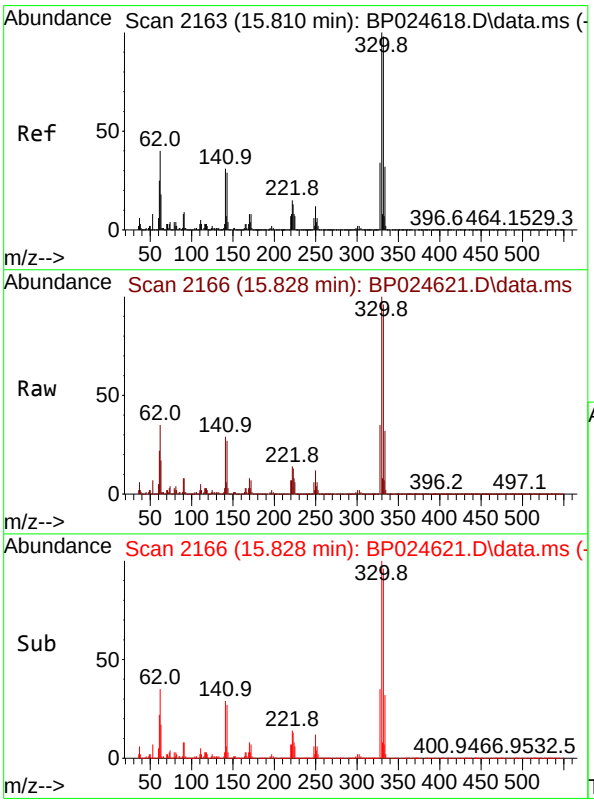

#41
Hexachlorocyclopentadiene
Concen: 95.536 ng
RT: 12.446 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:237 Resp: 628436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.9 | 39.9 | 79.9 |
| 272 | 14.1 | 0.0 | 33.2 |

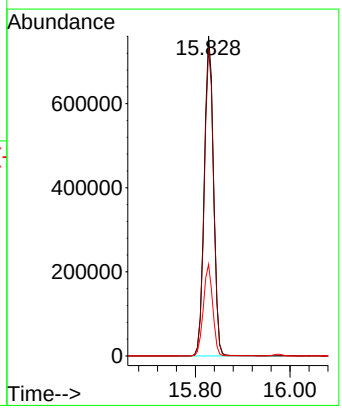


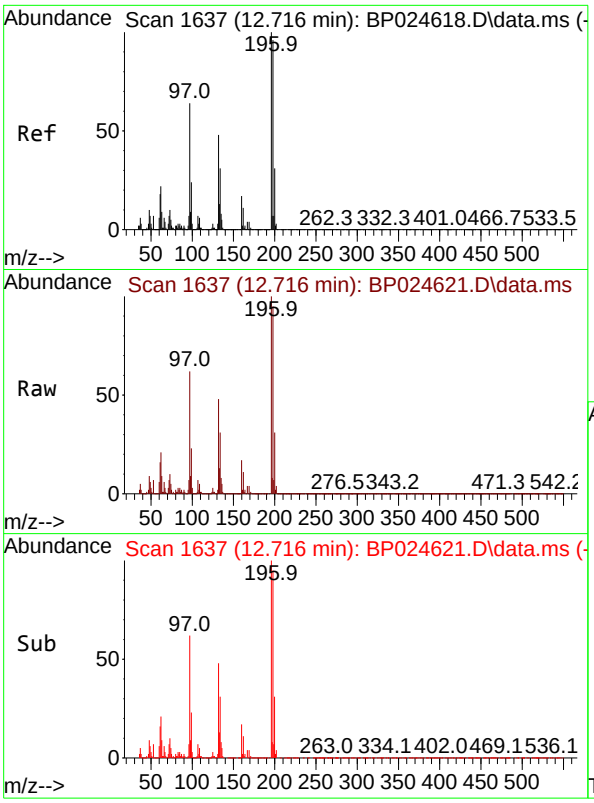




#42
2,4,6-Tribromophenol
Concen: 163.052 ng
RT: 15.828 min Scan# 2166
Delta R.T. 0.018 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:330 Resp: 1032638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.7 | 78.2 | 117.4 |
| 141 | 28.8 | 24.3 | 36.5 |



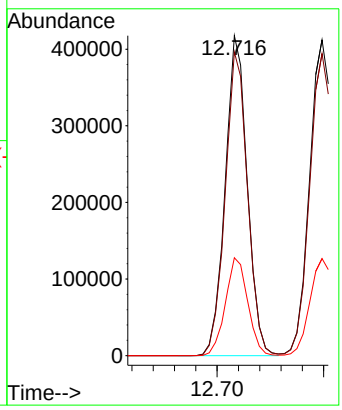


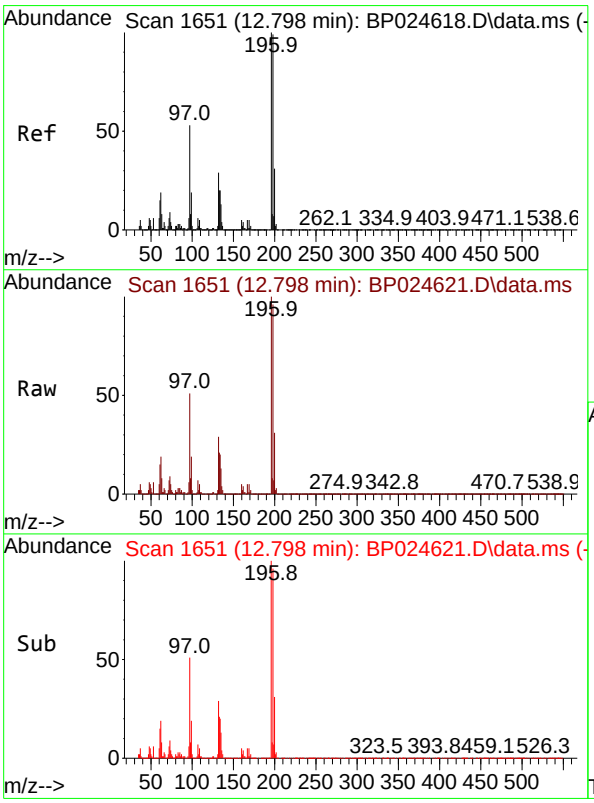

#43
2,4,6-Trichlorophenol
Concen: 85.581 ng
RT: 12.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:196 Resp: 601332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.9 | 76.9 | 115.3 |
| 200 | 30.6 | 25.2 | 37.8 |

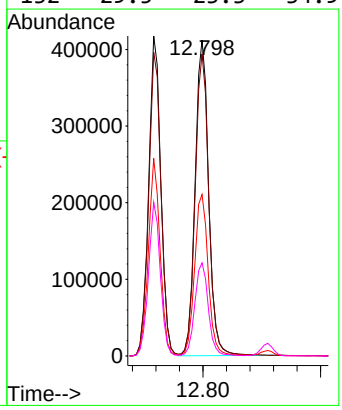


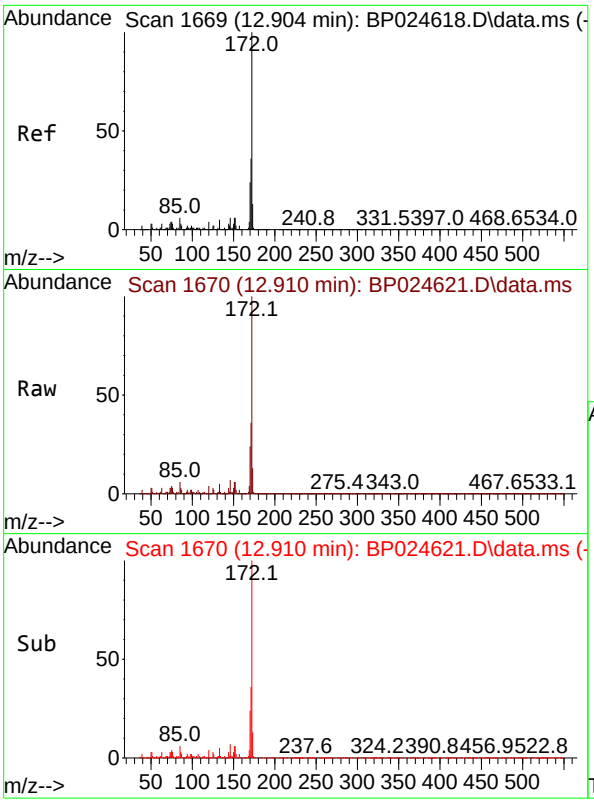




#44
2,4,5-Trichlorophenol
Concen: 84.052 ng
RT: 12.798 min Scan# 1651
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:196 Resp: 657399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.7 | 79.2 | 118.8 |
| 97 | 51.1 | 42.3 | 63.5 |
| 132 | 29.5 | 23.3 | 34.9 |



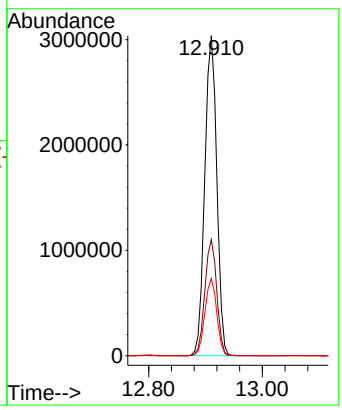


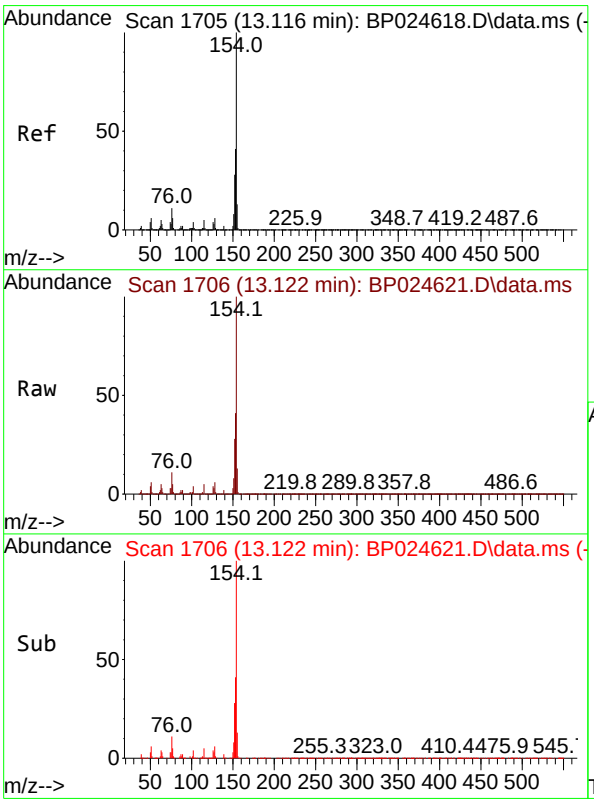

#45
2-Fluorobiphenyl
Concen: 155.647 ng
RT: 12.910 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:172 Resp: 4438179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.3 | 28.8 | 43.2 |
| 170 | 24.1 | 18.8 | 28.2 |

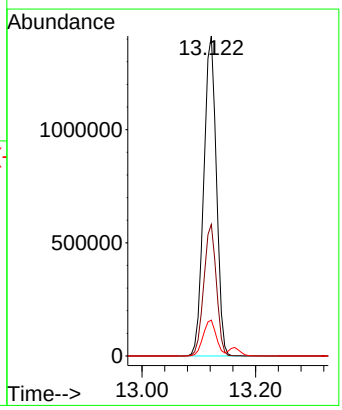


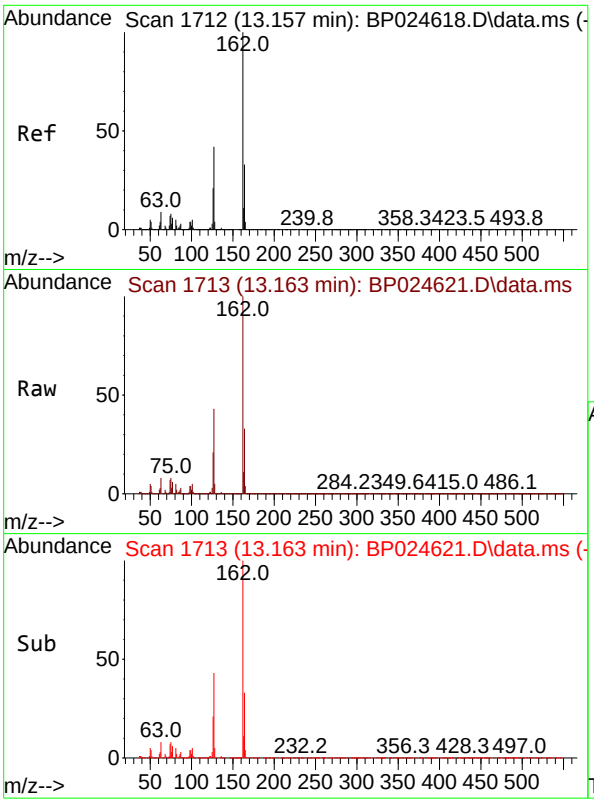




#46
1,1'-Biphenyl
Concen: 78.795 ng
RT: 13.122 min Scan# 1706
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:154 Resp: 2175624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.1 | 21.0 | 61.0 |
| 76 | 11.2 | 0.0 | 31.5 |



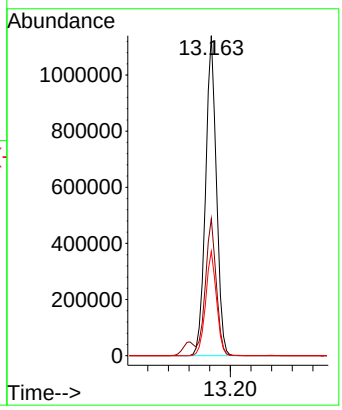


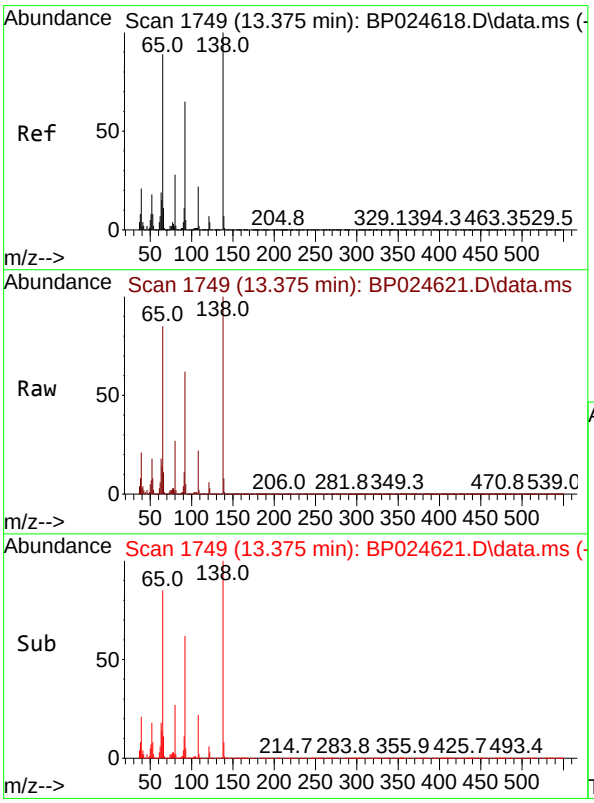

#47
2-Chloronaphthalene
Concen: 78.991 ng
RT: 13.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:162 Resp: 1662979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.8 | 33.8 | 50.6 |
| 164 | 32.6 | 26.0 | 39.0 |

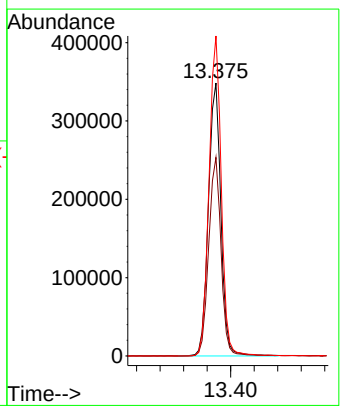


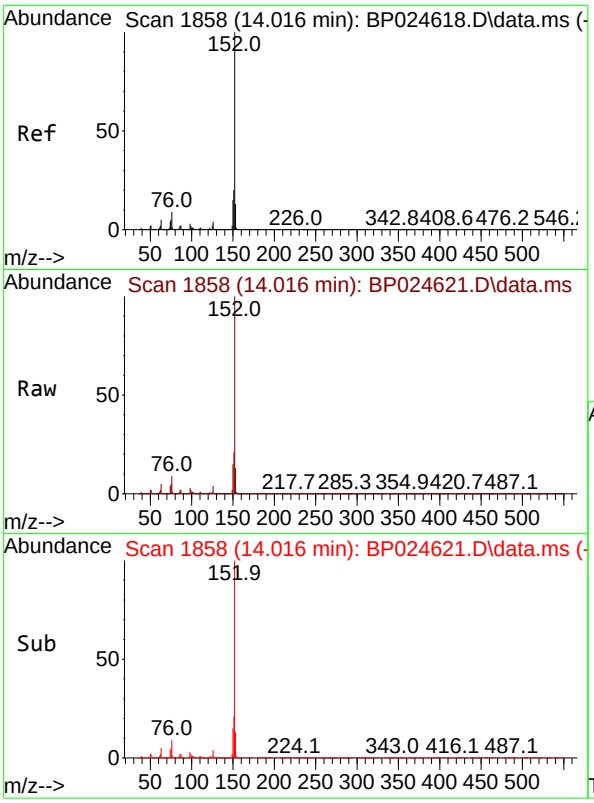




#48
2-Nitroaniline
Concen: 82.218 ng
RT: 13.375 min Scan# 1749
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion: 65 Resp: 512458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 72.7 | 58.7 | 88.1 |
| 138 | 117.2 | 90.2 | 135.2 |



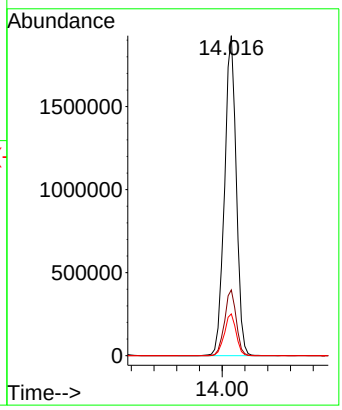


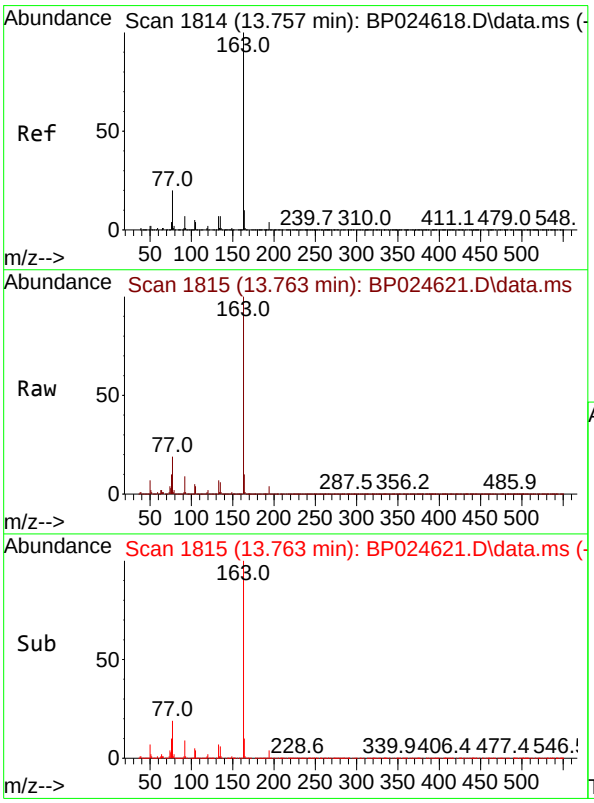

#49
Acenaphthylene
Concen: 78.729 ng
RT: 14.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:152 Resp: 2773742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.6 | 16.2 | 24.4 |
| 153 | 13.1 | 10.2 | 15.4 |

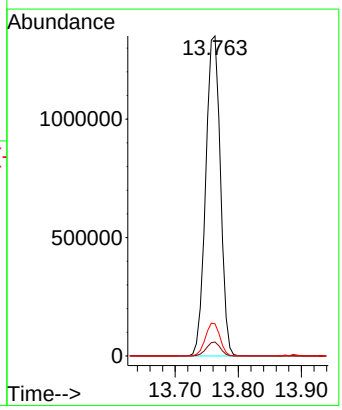


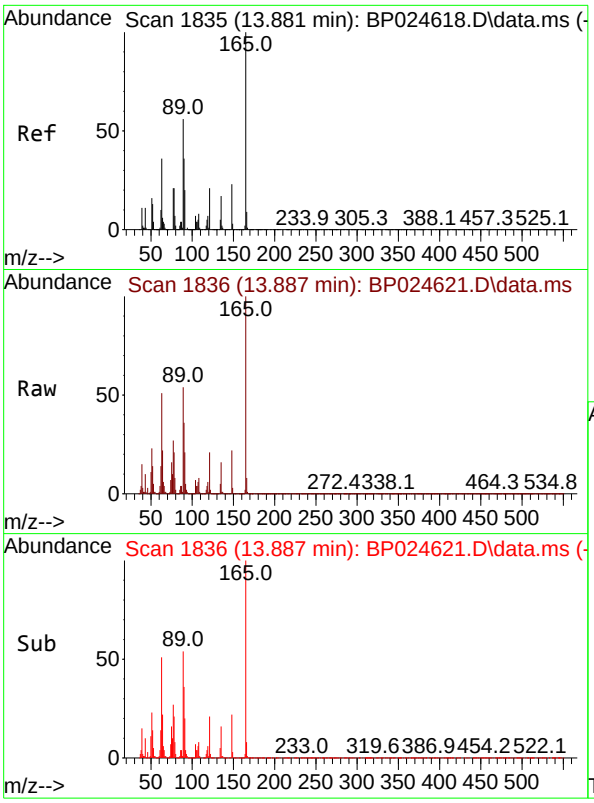




#50
Dimethylphthalate
Concen: 76.644 ng
RT: 13.763 min Scan# 1815
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:163 Resp: 2182359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.4 | 3.4 | 5.0 |
| 164 | 10.0 | 8.1 | 12.1 |



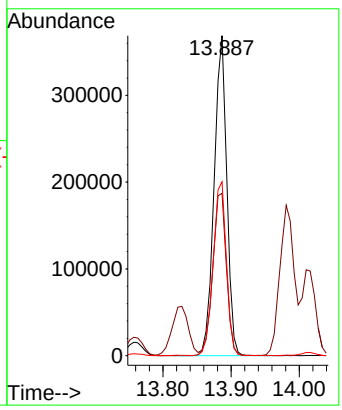


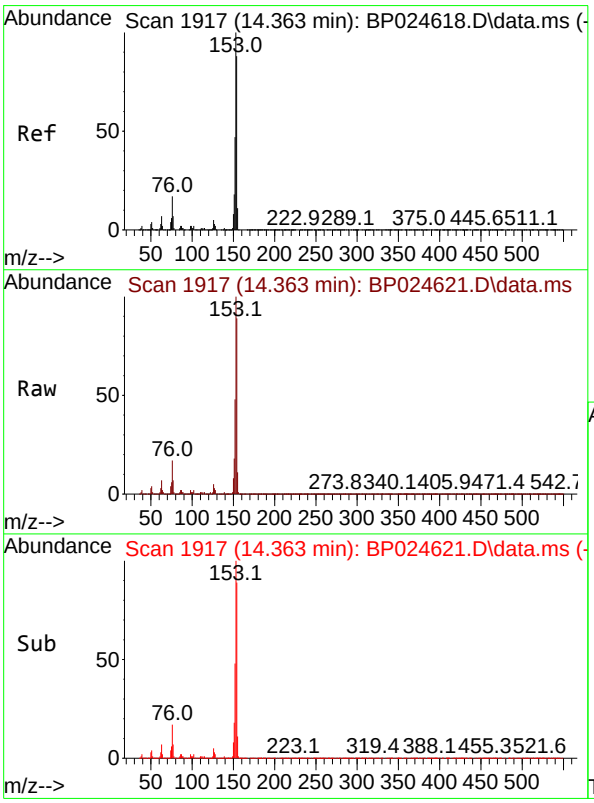

#51
2,6-Dinitrotoluene
Concen: 79.255 ng
RT: 13.887 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:165 Resp: 476606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 50.8 | 42.4 | 63.6 |
| 89 | 54.4 | 44.8 | 67.2 |

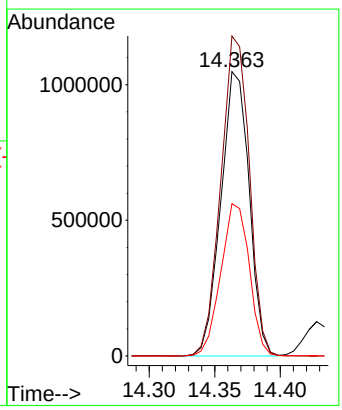


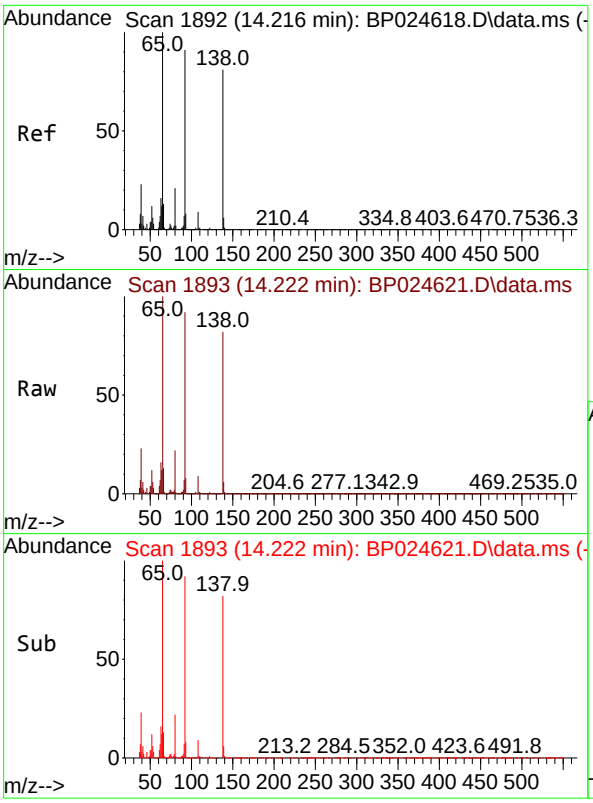




#52
Acenaphthene
Concen: 77.619 ng
RT: 14.363 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:154 Resp: 1572103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.6 | 91.0 | 136.4 |
| 152 | 53.6 | 42.9 | 64.3 |



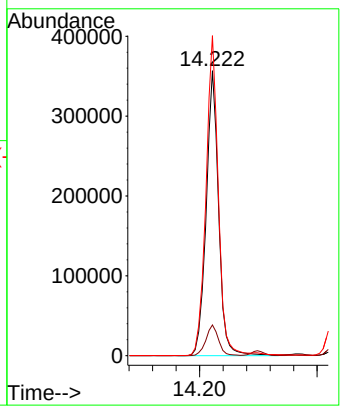


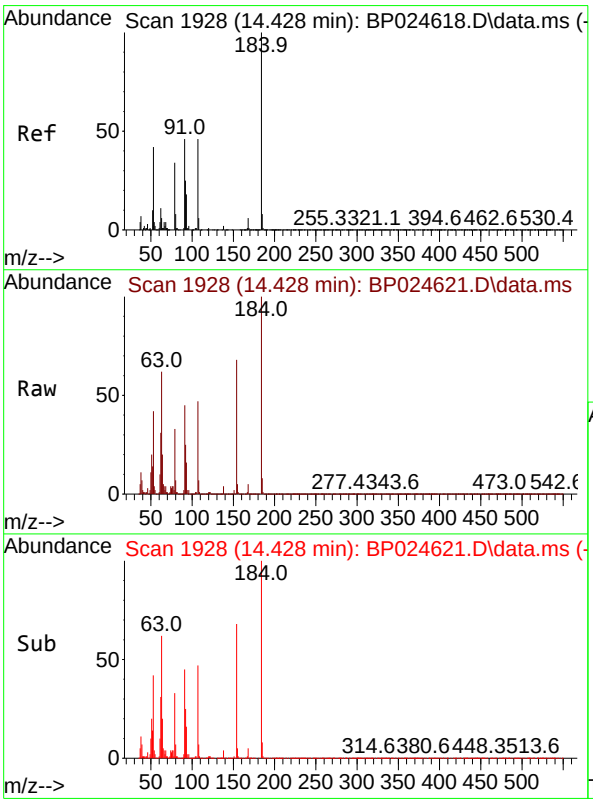

#53
3-Nitroaniline
Concen: 85.151 ng
RT: 14.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:138 Resp: 522849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.8 | 9.0 | 13.4 |
| 92 | 112.3 | 90.1 | 135.1 |

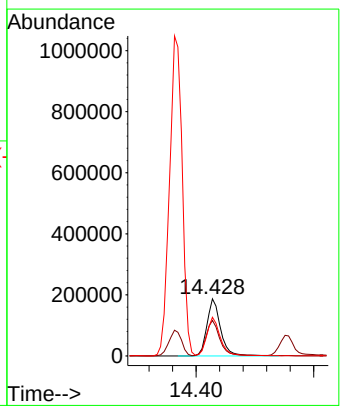


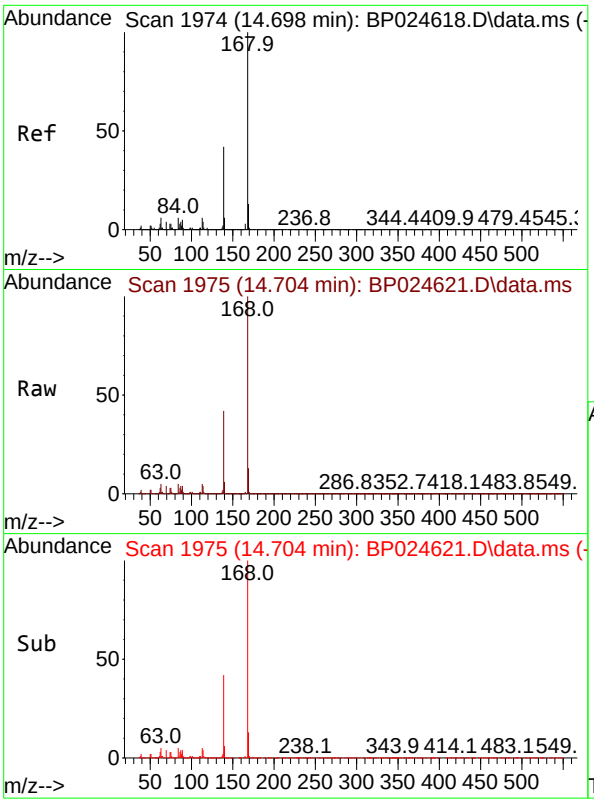




#54
2,4-Dinitrophenol
Concen: 79.295 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:184 Resp: 300458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 62.1 | 51.3 | 76.9 |
| 154 | 67.9 | 53.5 | 80.3 |



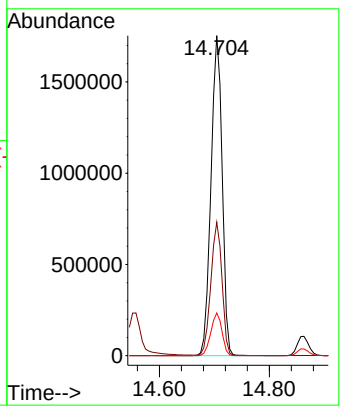


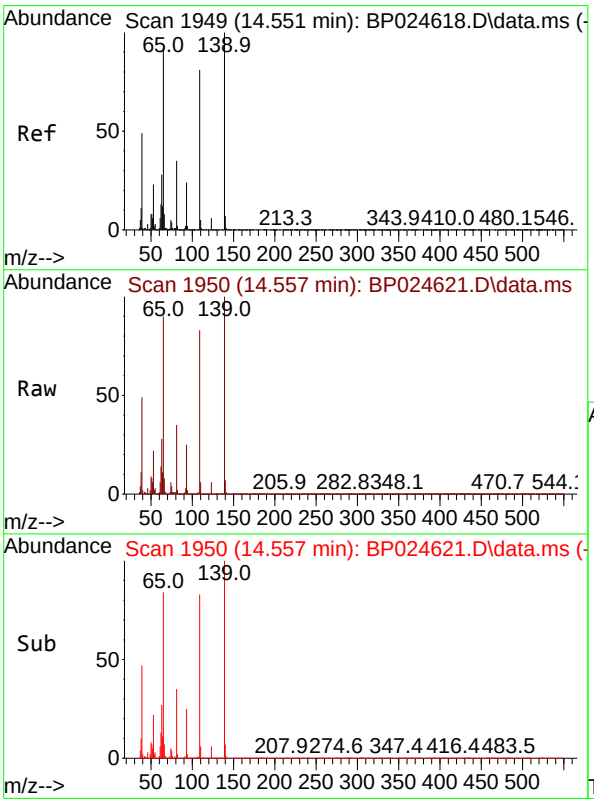

#55
Dibenzofuran
Concen: 76.684 ng
RT: 14.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:168 Resp: 2477374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.7 | 34.2 | 51.4 |
| 169 | 13.4 | 10.8 | 16.2 |

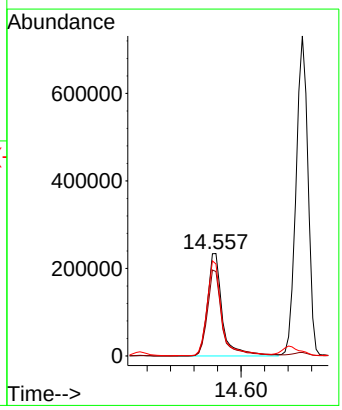


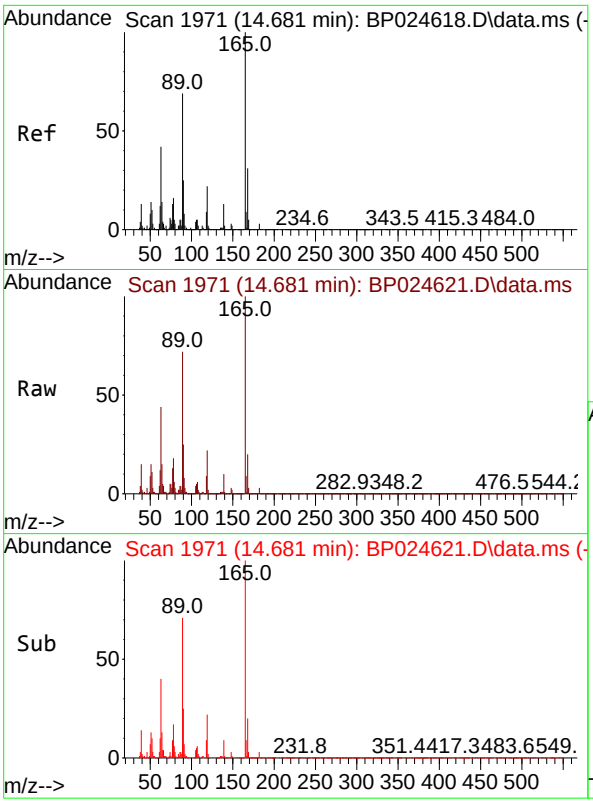




#56
4-Nitrophenol
Concen: 77.271 ng
RT: 14.557 min Scan# 1950
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:139 Resp: 409954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 82.6 | 61.4 | 101.4 |
| 65 | 89.8 | 72.2 | 112.2 |



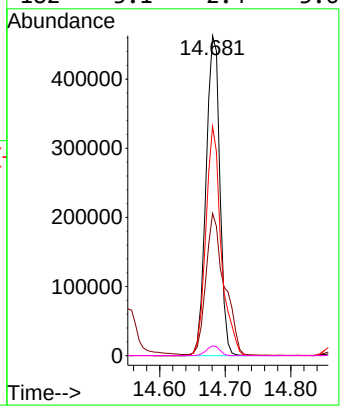


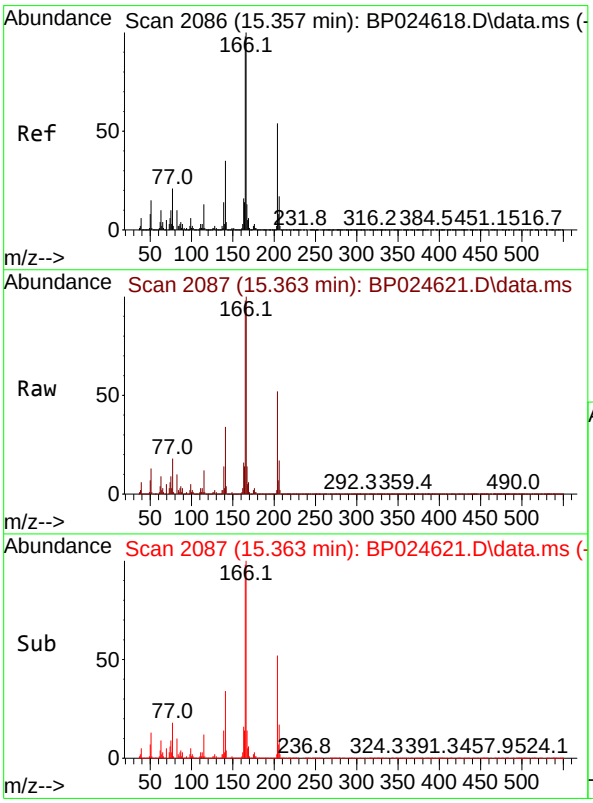

#57
2,4-Dinitrotoluene
Concen: 80.005 ng
RT: 14.681 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:165 Resp: 678287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 44.4 | 33.8 | 50.6 |
| 89 | 71.6 | 55.6 | 83.4 |
| 182 | 3.1 | 2.4 | 3.6 |

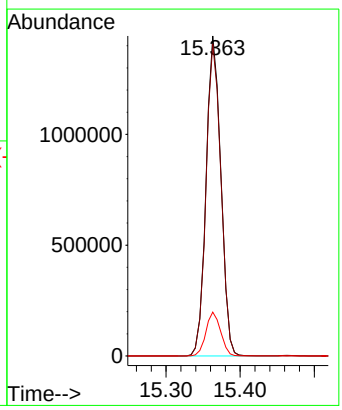


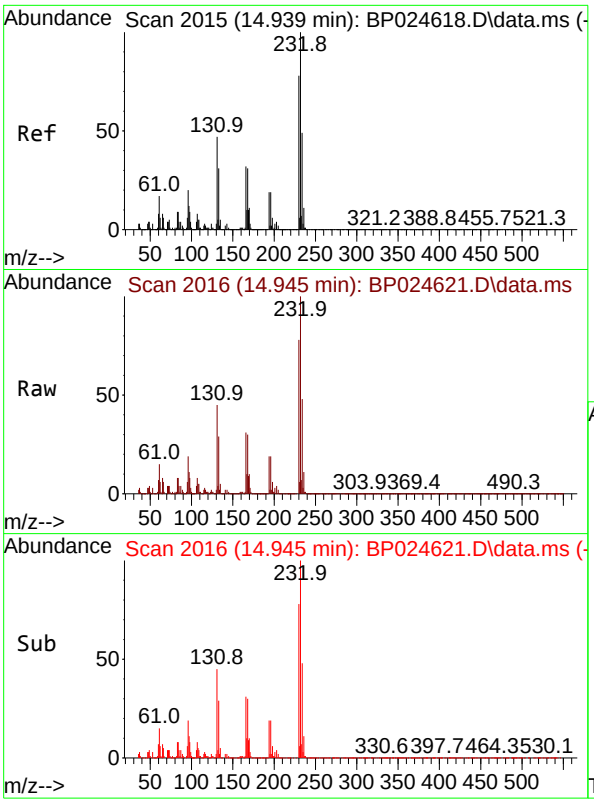




#58
Fluorene
Concen: 76.064 ng
RT: 15.363 min Scan# 2087
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:166 Resp: 2003709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.6 | 78.5 | 117.7 |
| 167 | 13.7 | 10.7 | 16.1 |



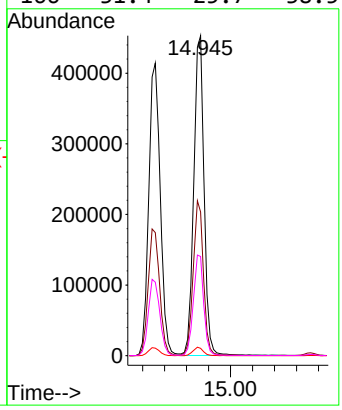


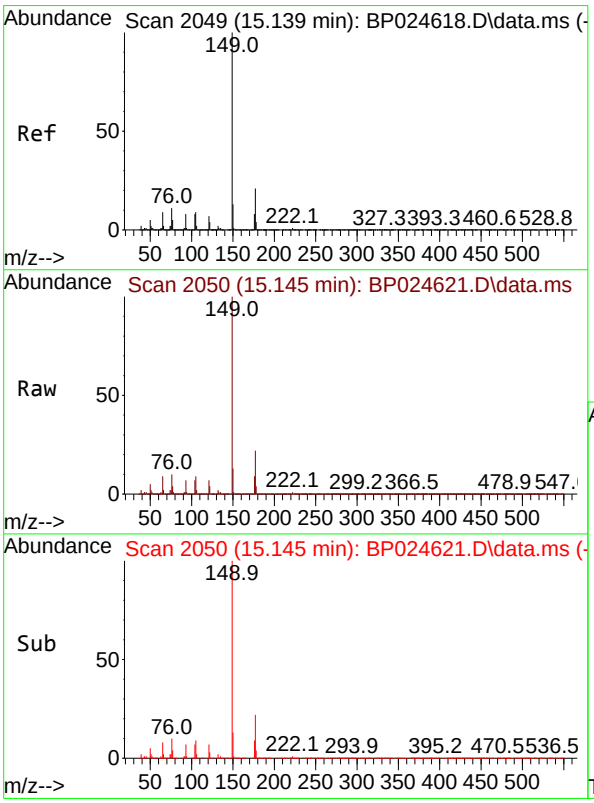

#59
2,3,4,6-Tetrachlorophenol
Concen: 81.172 ng
RT: 14.945 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:232 Resp: 588947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 48.1 | 39.5 | 59.3 |
| 130 | 2.6 | 2.2 | 3.4 |
| 166 | 31.4 | 25.7 | 38.5 |

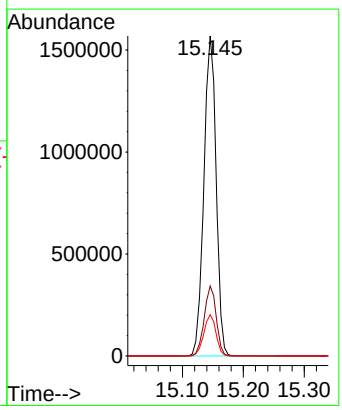


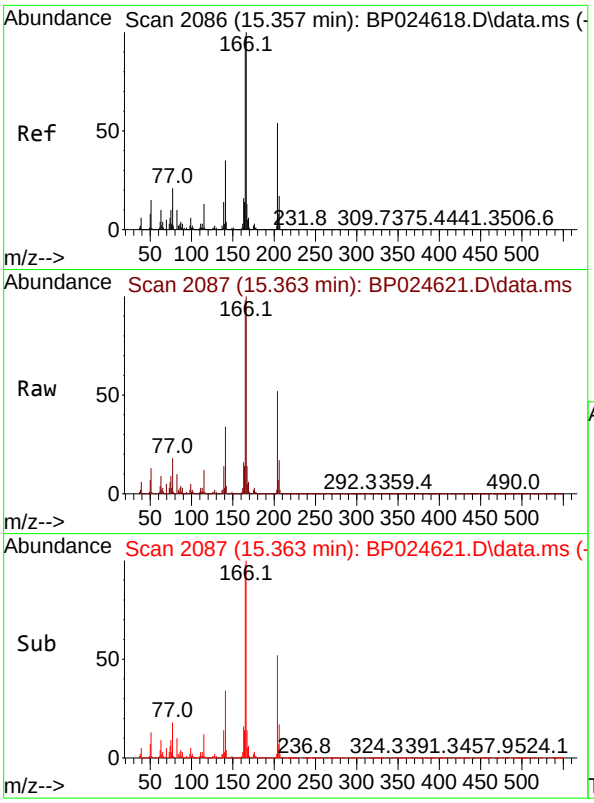




#60
Diethylphthalate
Concen: 76.218 ng
RT: 15.145 min Scan# 2050
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:149 Resp: 2193488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.9 | 16.7 | 25.1 |
| 150 | 12.9 | 10.2 | 15.2 |



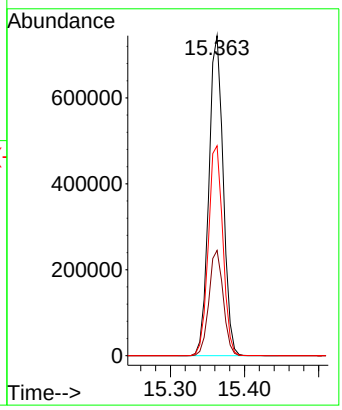


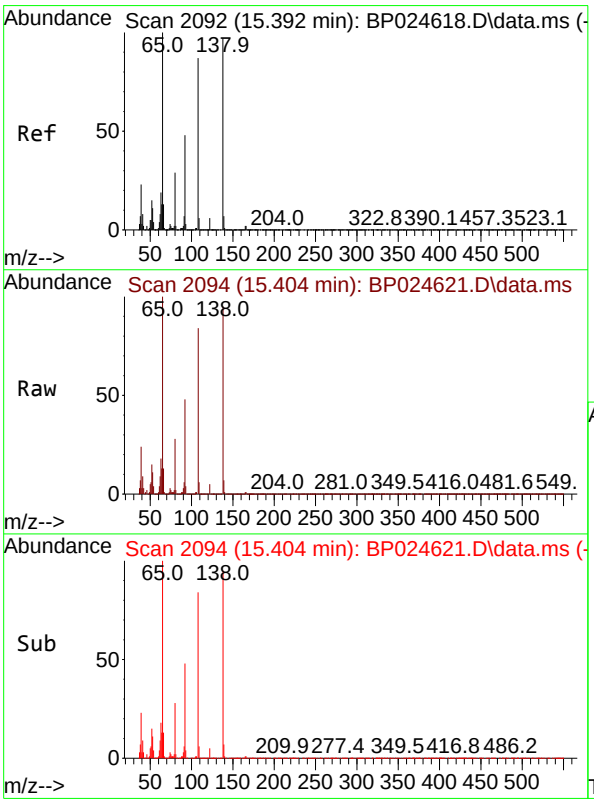

#61
4-Chlorophenyl-phenylether
Concen: 75.958 ng
RT: 15.363 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:204 Resp: 997863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.9 | 26.0 | 39.0 |
| 141 | 65.6 | 52.9 | 79.3 |

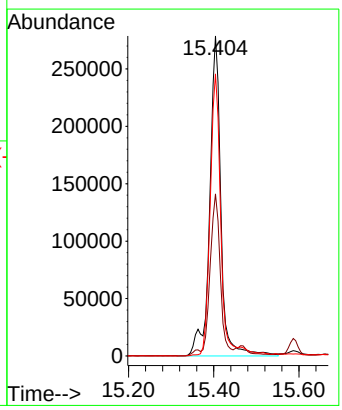


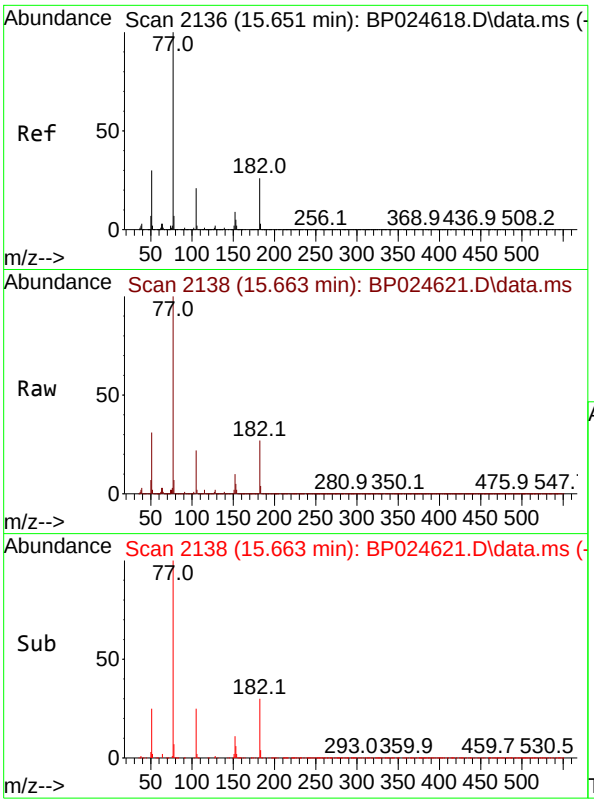




#62
4-Nitroaniline
Concen: 85.237 ng
RT: 15.404 min Scan# 2094
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:138 Resp: 509582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.6 | 29.2 | 69.2 |
| 108 | 88.2 | 69.0 | 109.0 |



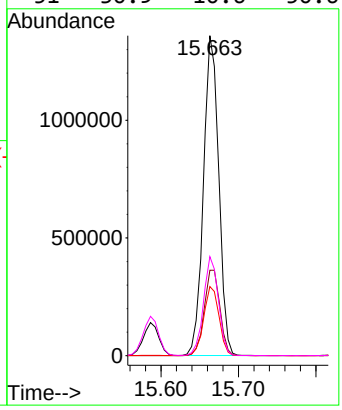


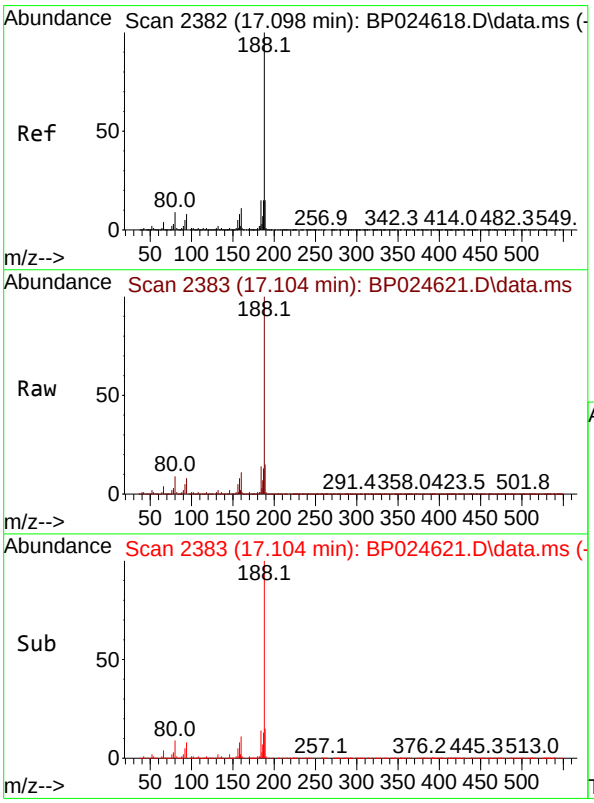

#63
Azobenzene
Concen: 75.474 ng
RT: 15.663 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 77 Resp: 1858146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.7 | 5.7 | 45.7 |
| 105 | 21.6 | 1.3 | 41.3 |
| 51 | 30.9 | 10.6 | 50.6 |

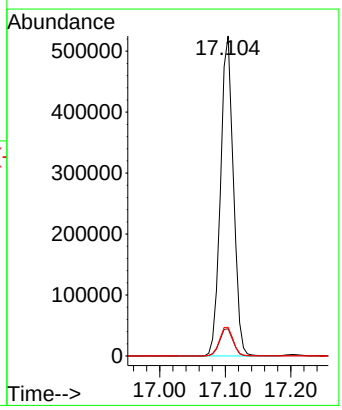


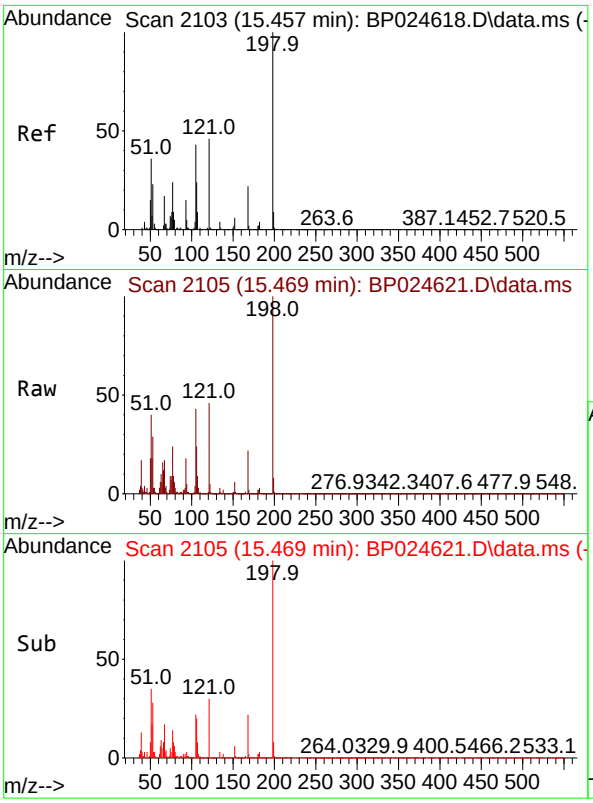




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.104 min Scan# 2383
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:188 Resp: 713479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.5 | 6.5 | 9.7 |
| 80 | 9.0 | 7.3 | 10.9 |



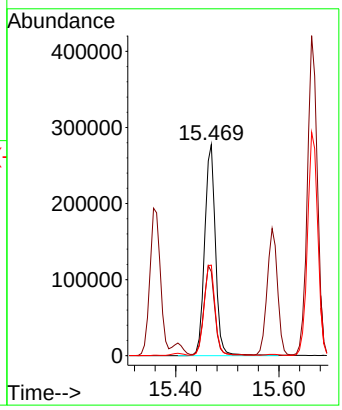


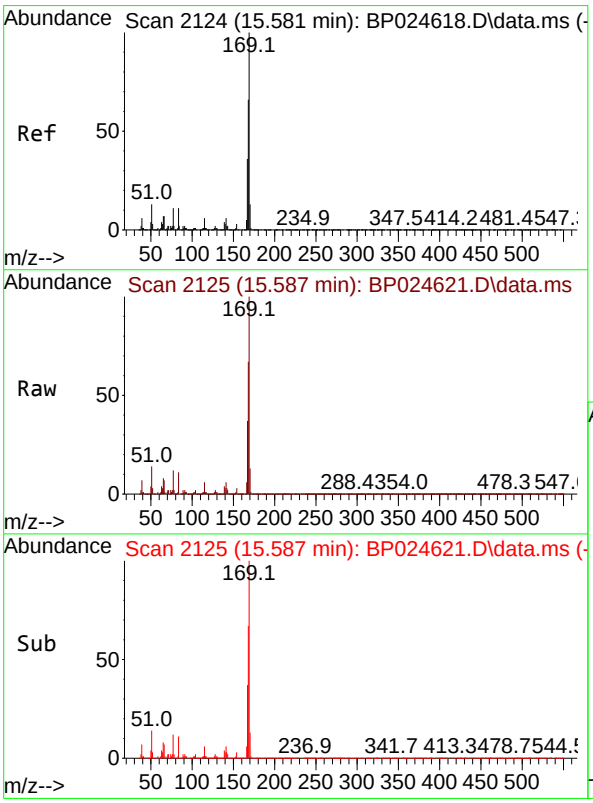

#65
4,6-Dinitro-2-methylphenol
Concen: 87.013 ng
RT: 15.469 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:198 Resp: 401011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 39.8 | 21.1 | 61.1 |
| 105 | 42.9 | 23.6 | 63.6 |

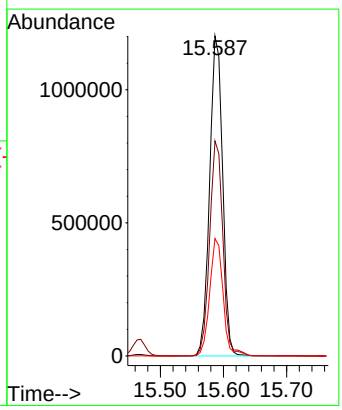


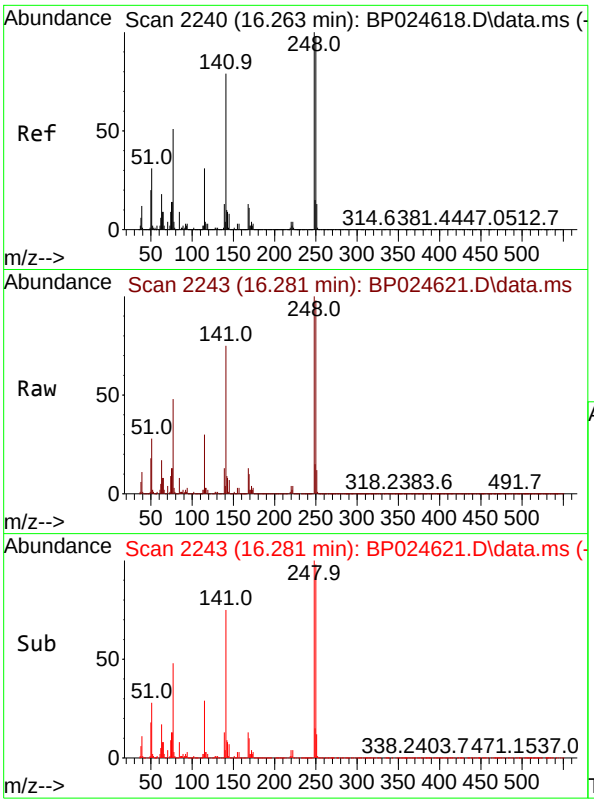




#66
n-Nitrosodiphenylamine
Concen: 78.104 ng
RT: 15.587 min Scan# 2125
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:169 Resp: 1711679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.2 | 53.2 | 79.8 |
| 167 | 36.7 | 28.6 | 43.0 |



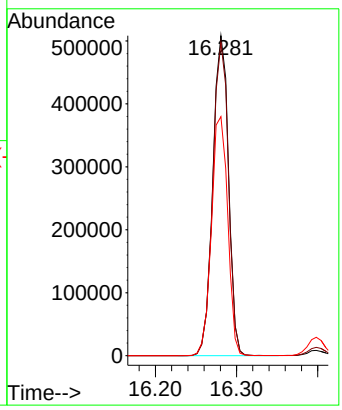


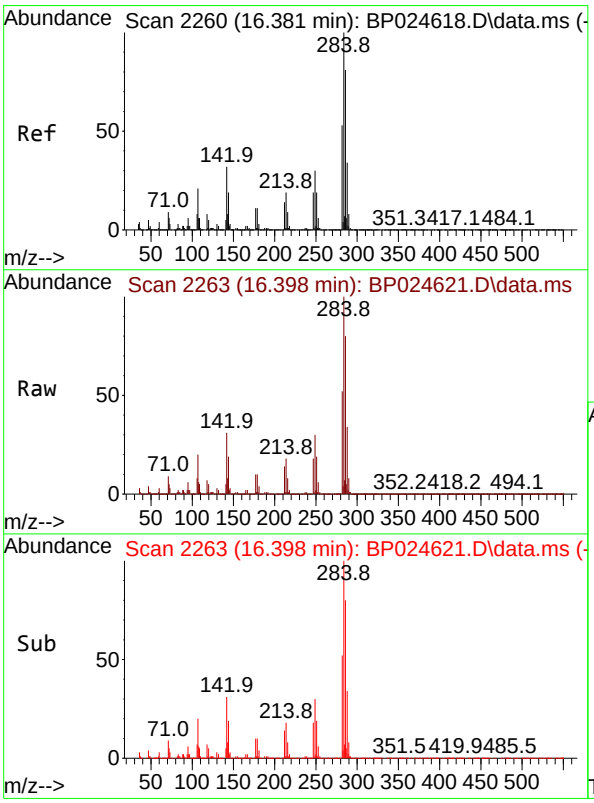

#67
4-Bromophenyl-phenylether
Concen: 81.432 ng
RT: 16.281 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:248 Resp: 684619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.8 | 78.2 | 117.4 |
| 141 | 74.7 | 63.0 | 94.6 |

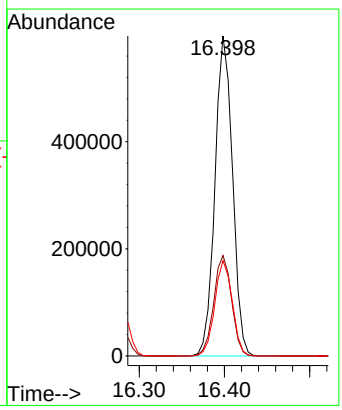


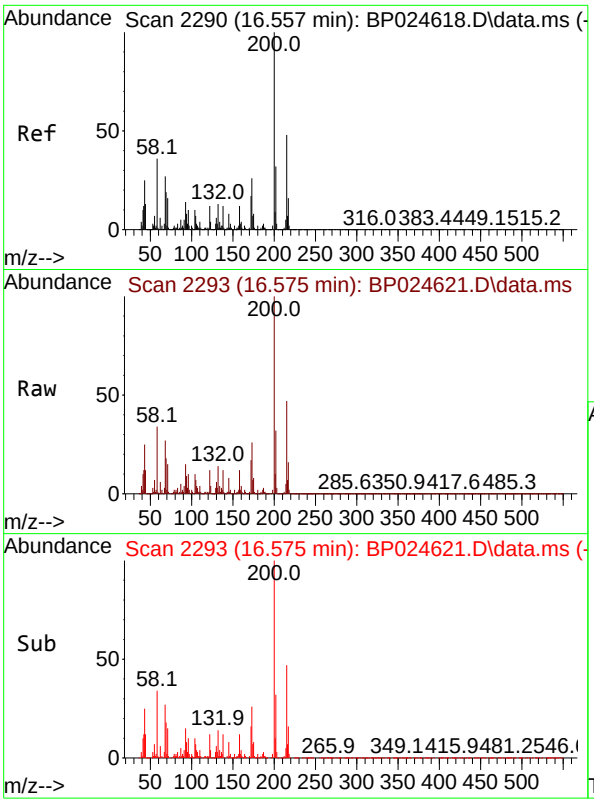




#68
Hexachlorobenzene
Concen: 80.179 ng
RT: 16.398 min Scan# 2263
Delta R.T. 0.018 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:284 Resp: 856547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.4 | 25.9 | 38.9 |
| 249 | 29.7 | 24.1 | 36.1 |



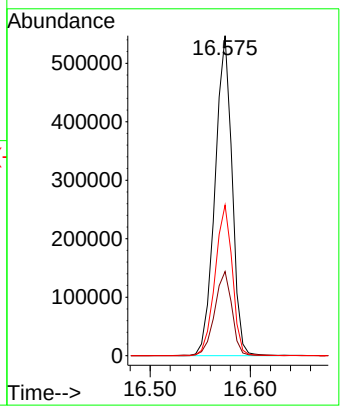


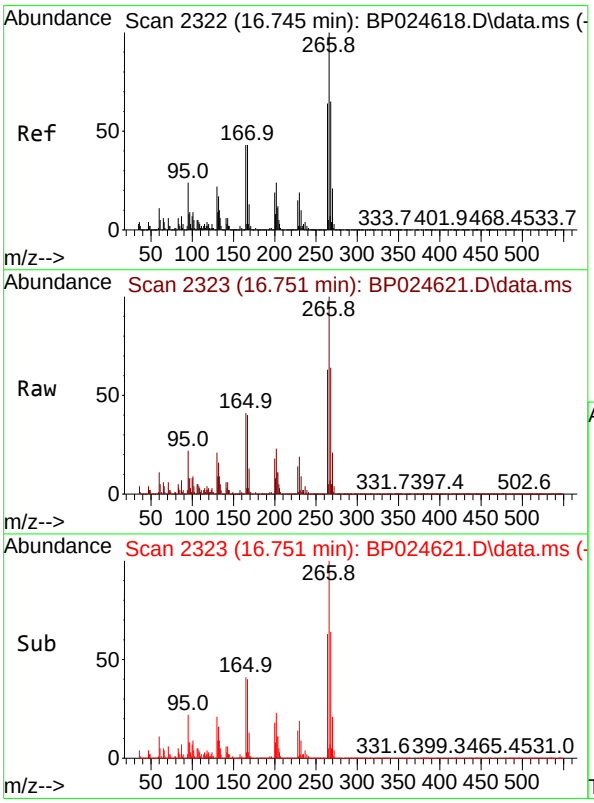

#69
Atrazine
Concen: 80.420 ng
RT: 16.575 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:200 Resp: 645877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.3 | 5.9 | 45.9 |
| 215 | 47.1 | 28.3 | 68.3 |

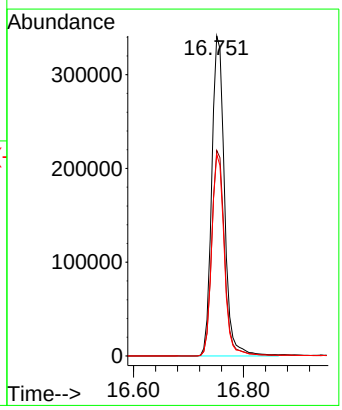


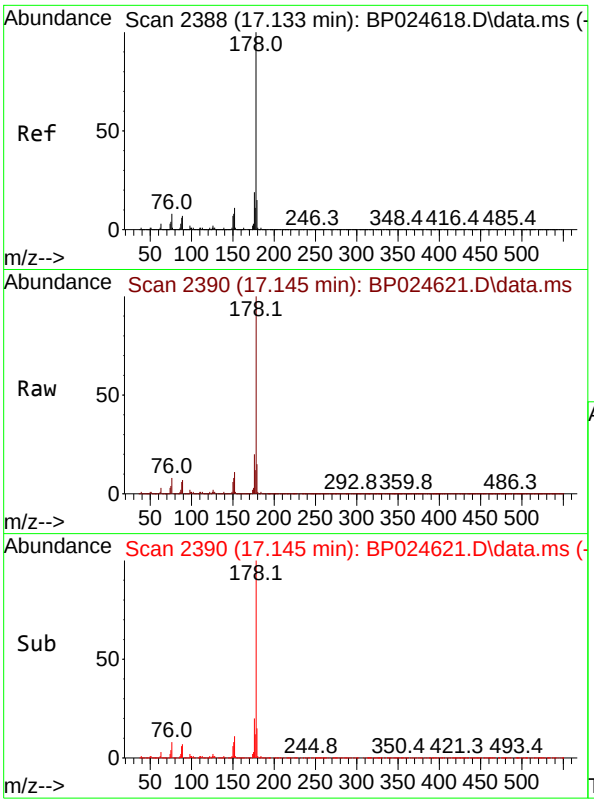




#70
Pentachlorophenol
Concen: 91.410 ng
RT: 16.751 min Scan# 2323
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:266 Resp: 548492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.2 | 52.2 | 78.4 |
| 264 | 62.9 | 51.1 | 76.7 |



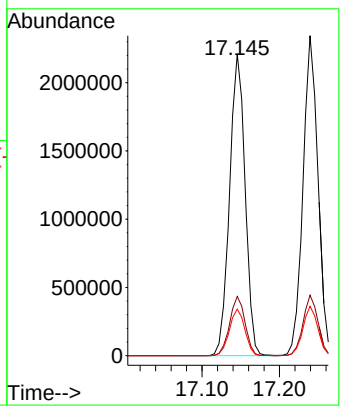


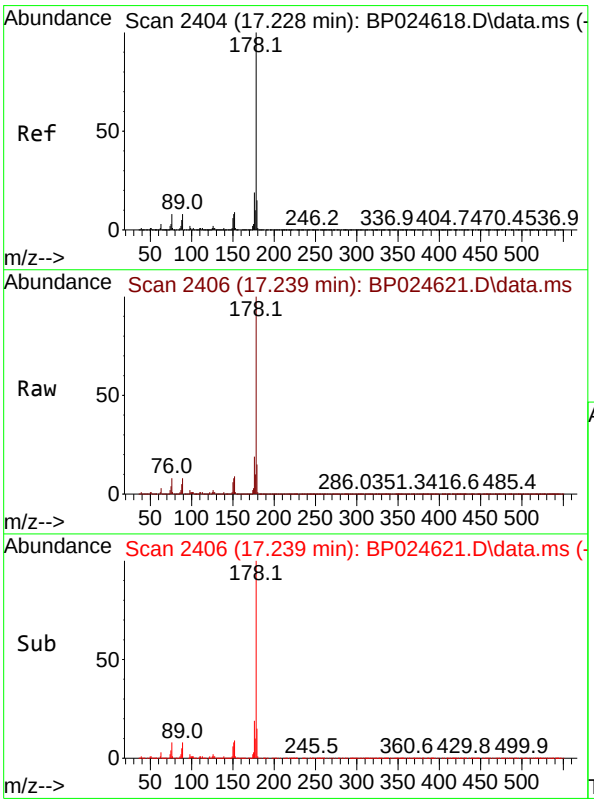

#71
Phenanthrene
Concen: 77.948 ng
RT: 17.145 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:178 Resp: 3091665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.6 | 15.4 | 23.2 |
| 179 | 15.4 | 12.2 | 18.4 |

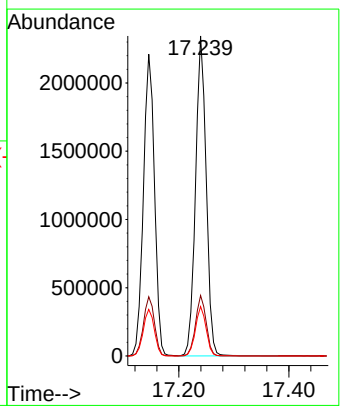


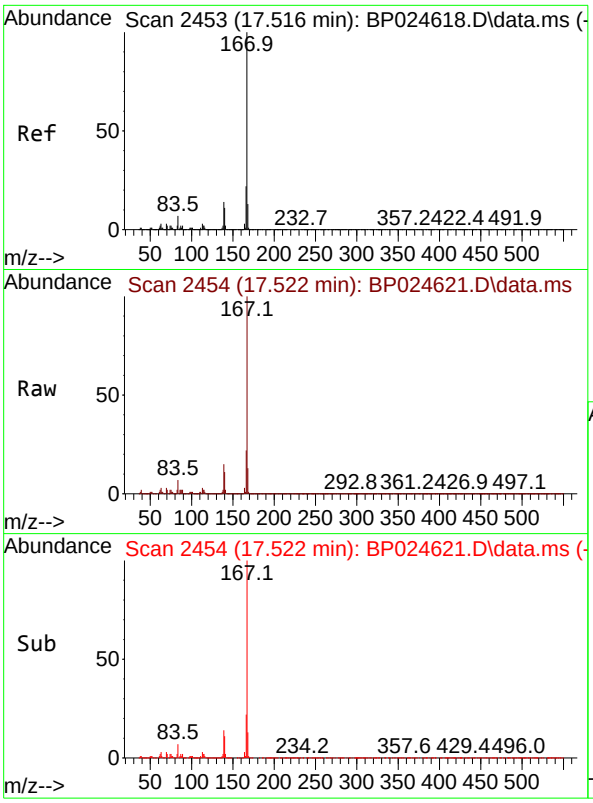




#72
Anthracene
Concen: 79.228 ng
RT: 17.239 min Scan# 2406
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:178 Resp: 3161669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 15.0 | 22.4 |
| 179 | 15.5 | 12.2 | 18.2 |



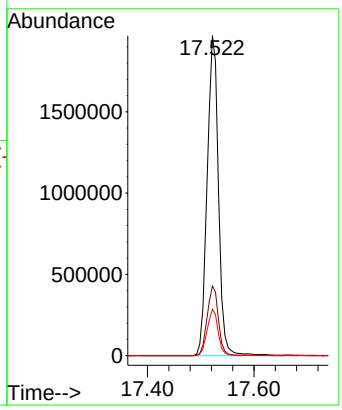


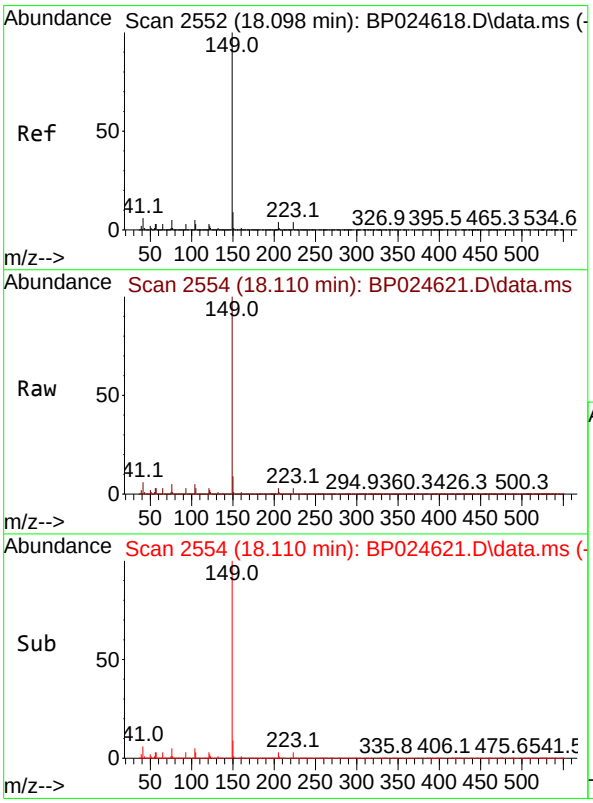

#73
Carbazole
Concen: 80.076 ng
RT: 17.522 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:167 Resp: 2892236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.8 | 17.7 | 26.5 |
| 139 | 14.5 | 11.3 | 16.9 |

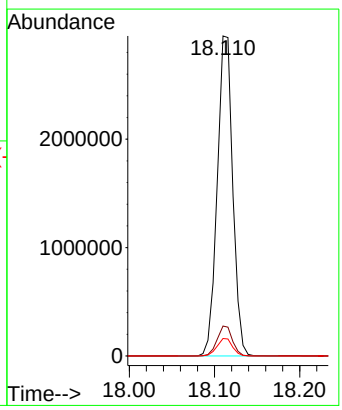


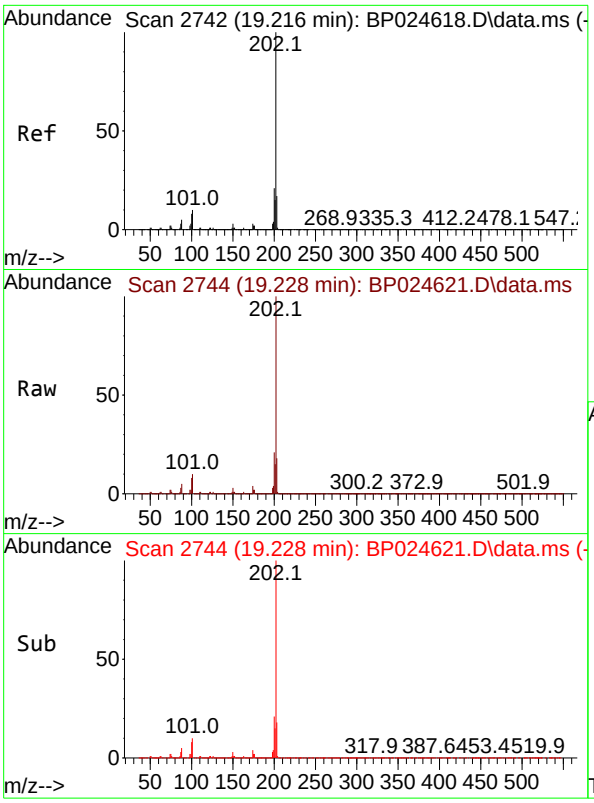




#74
Di-n-butylphthalate
Concen: 80.684 ng
RT: 18.110 min Scan# 2554
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:149 Resp: 3747927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.2 | 10.8 |
| 104 | 5.5 | 4.3 | 6.5 |



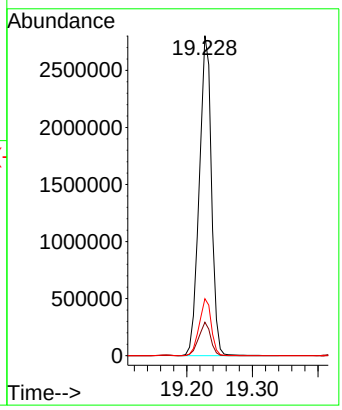


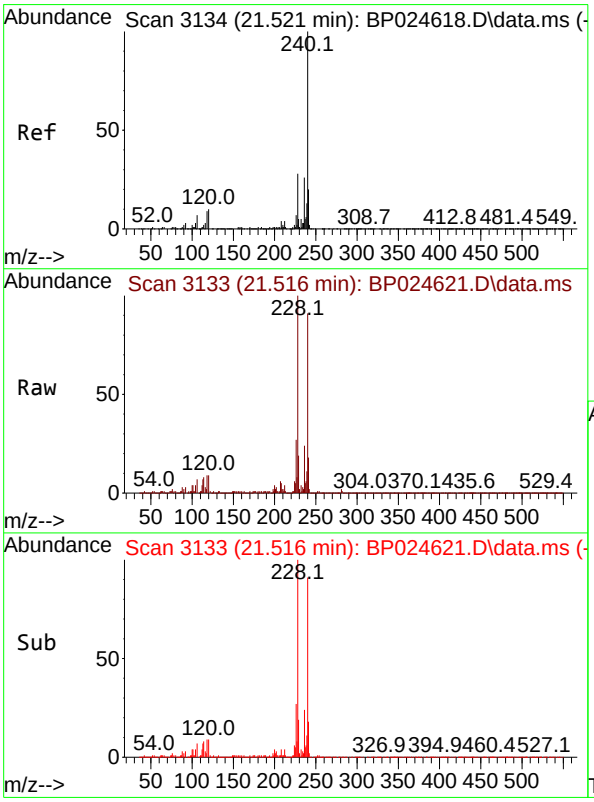

#75
Fluoranthene
Concen: 78.274 ng
RT: 19.228 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:202 Resp: 3629085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.5 | 0.0 | 30.3 |
| 203 | 17.8 | 0.0 | 37.5 |

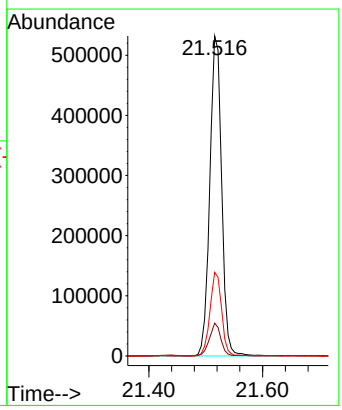


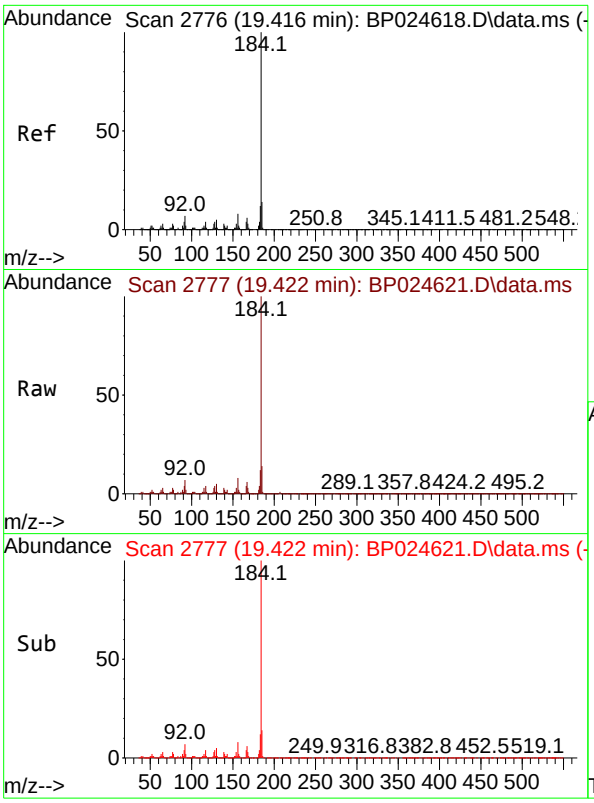




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:240 Resp: 765954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.3 | 7.8 | 11.6 |
| 236 | 26.2 | 20.6 | 31.0 |



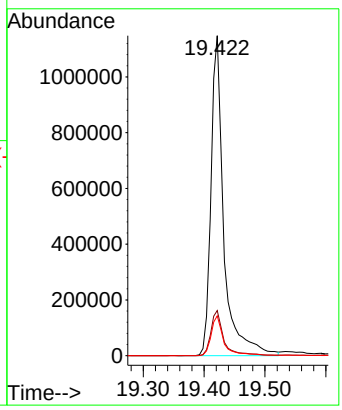


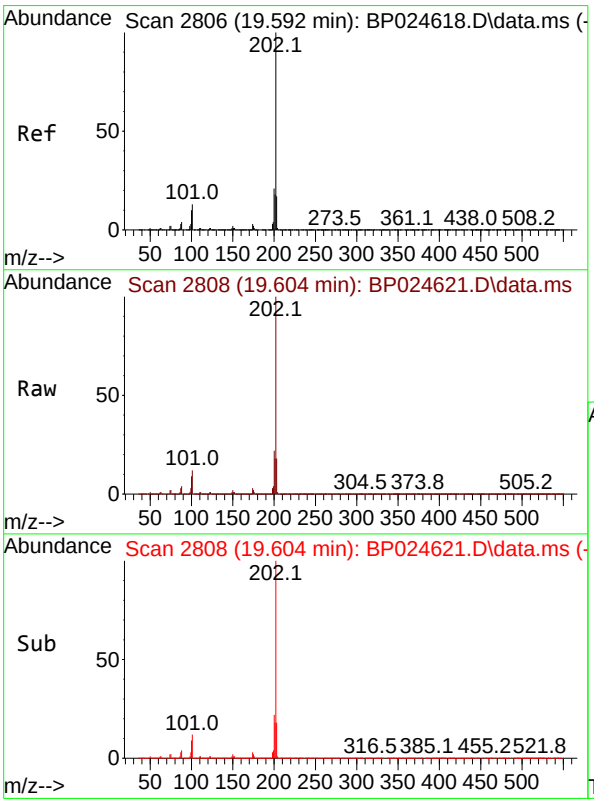

#77
Benzidine
Concen: 79.835 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:184 Resp: 1678507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.1 | 11.2 | 16.8 |
| 183 | 12.4 | 9.8 | 14.8 |

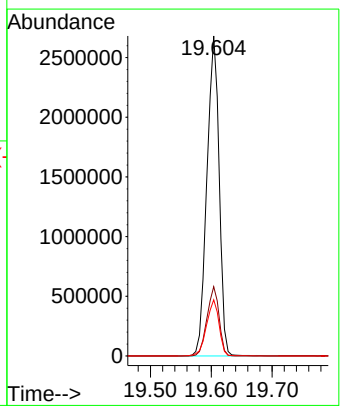


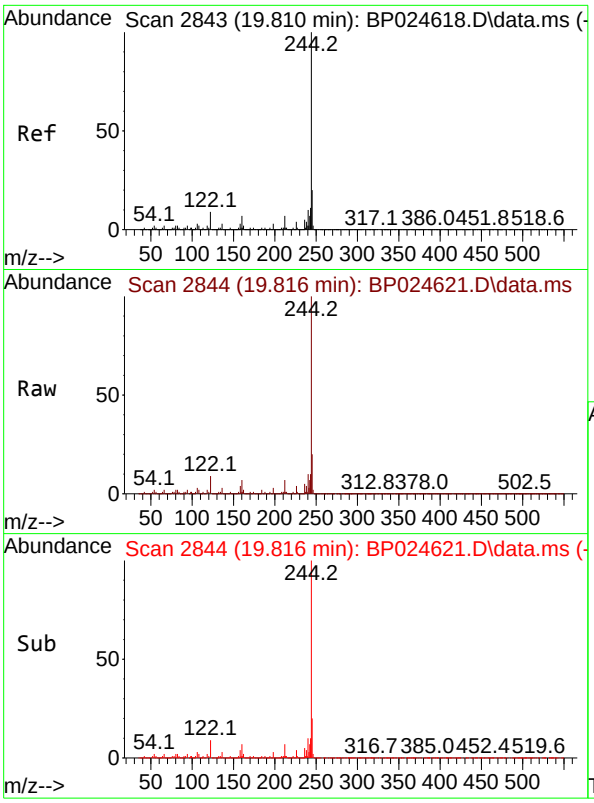




#78
Pyrene
Concen: 81.650 ng
RT: 19.604 min Scan# 2808
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:202 Resp: 3747276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.7 | 16.9 | 25.3 |
| 203 | 17.6 | 13.9 | 20.9 |



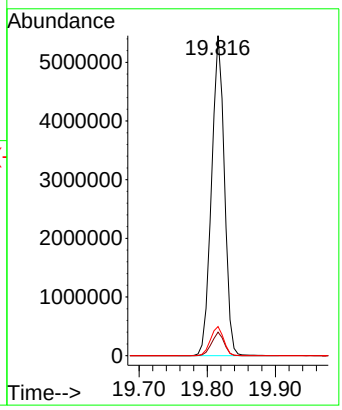


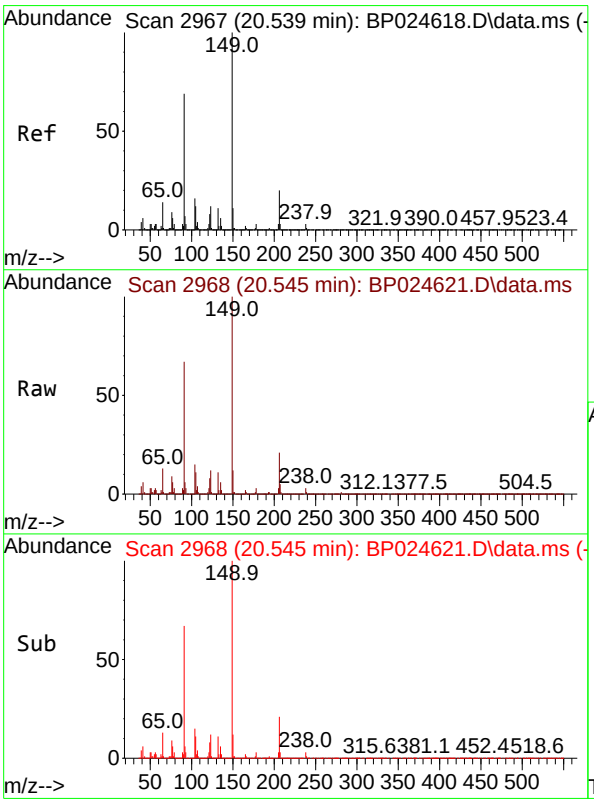

#79
Terphenyl-d14
Concen: 160.113 ng
RT: 19.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:244 Resp: 7152255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.4 | 5.5 | 8.3 |
| 122 | 9.1 | 7.4 | 11.0 |

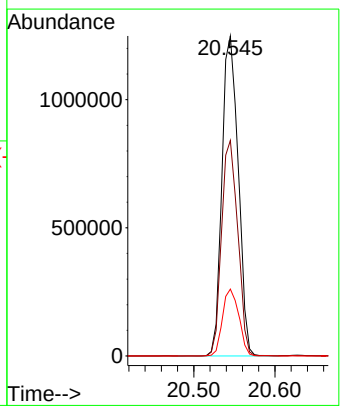


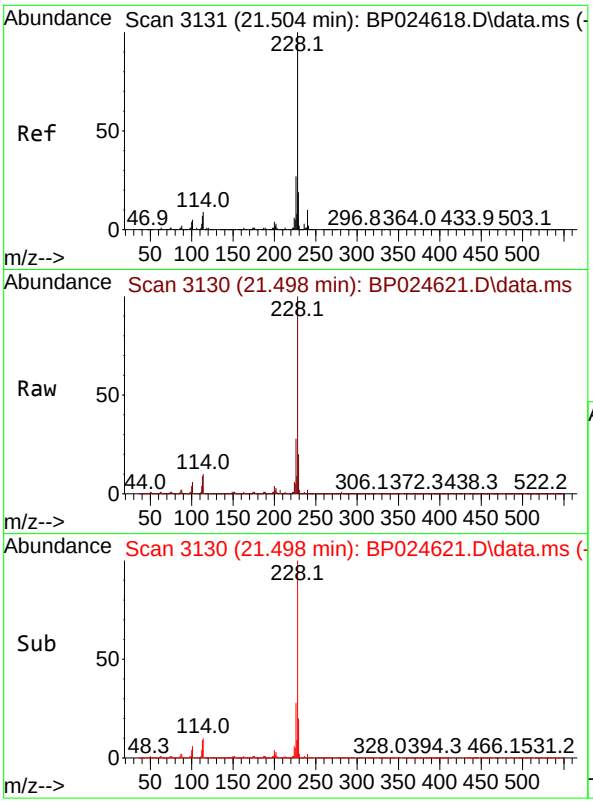




#80
Butylbenzylphthalate
Concen: 85.344 ng
RT: 20.545 min Scan# 2968
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:149 Resp: 1741954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 67.3 | 55.4 | 83.0 |
| 206 | 20.9 | 16.2 | 24.2 |



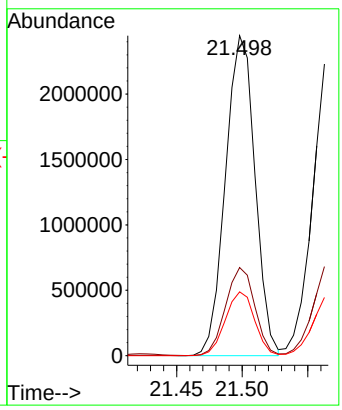


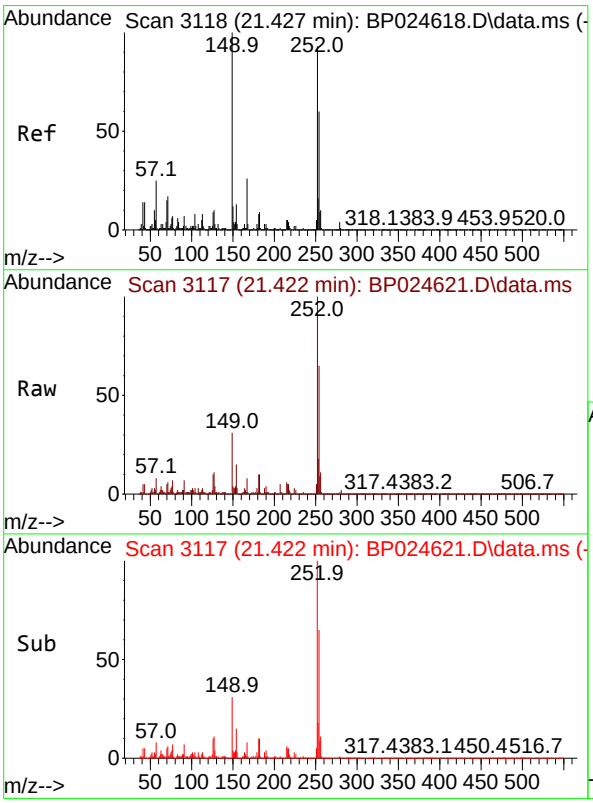

#81
Benzo(a)anthracene
Concen: 79.629 ng
RT: 21.498 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:228 Resp: 3829787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.6 | 21.4 | 32.0 |
| 229 | 19.9 | 15.5 | 23.3 |

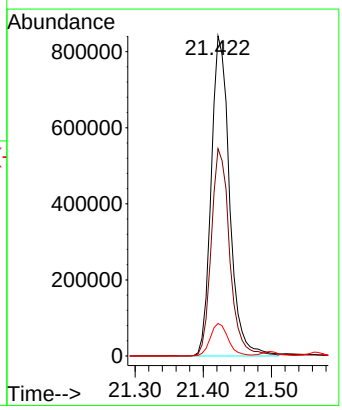


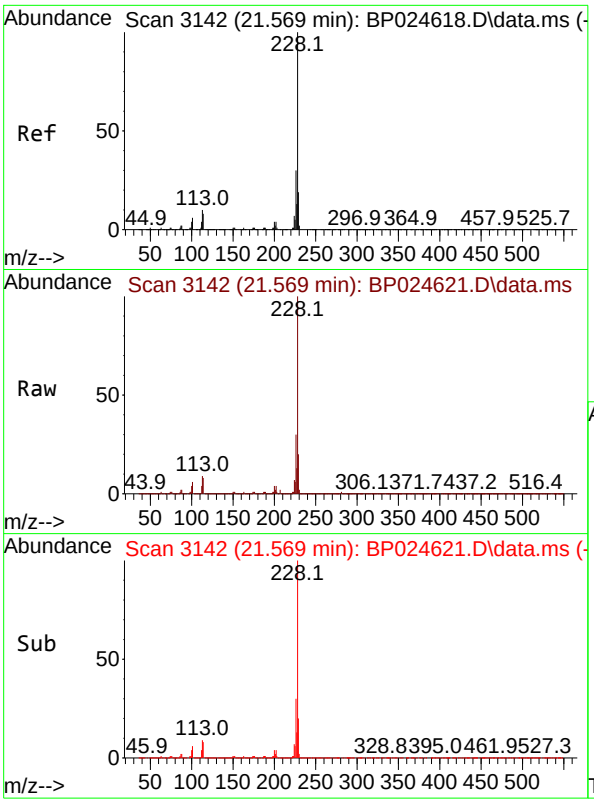




#82
3,3'-Dichlorobenzidine
Concen: 88.207 ng
RT: 21.422 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:252 Resp: 1575691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.8 | 51.8 | 77.6 |
| 126 | 10.2 | 7.7 | 11.5 |



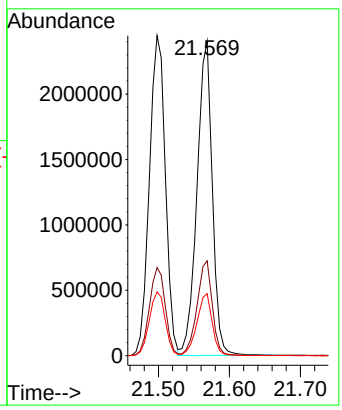


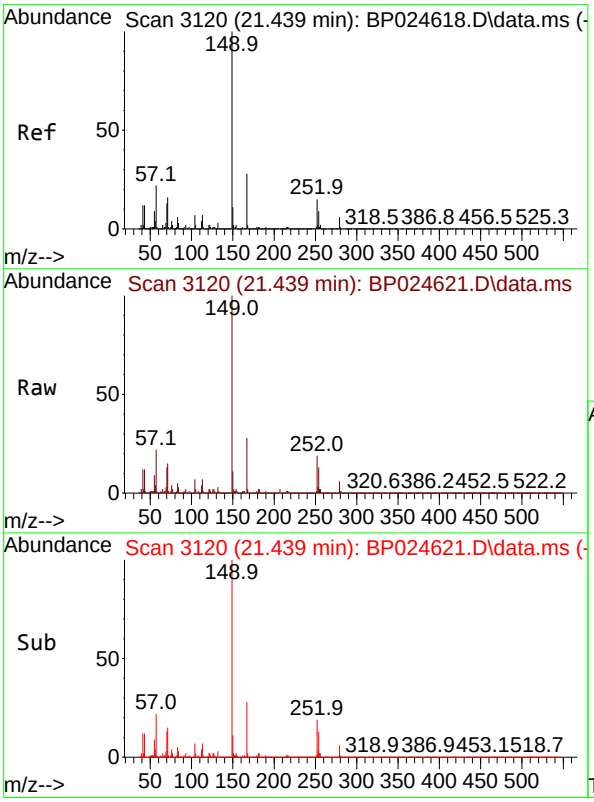

#83
Chrysene
Concen: 79.290 ng
RT: 21.569 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:228 Resp: 3615014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 23.9 | 35.9 |
| 229 | 19.7 | 15.5 | 23.3 |

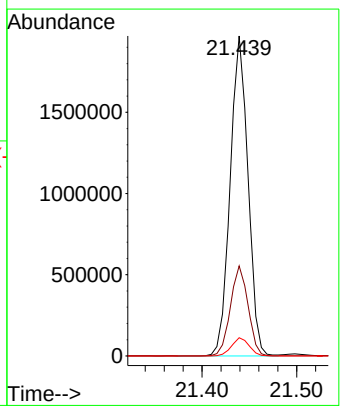


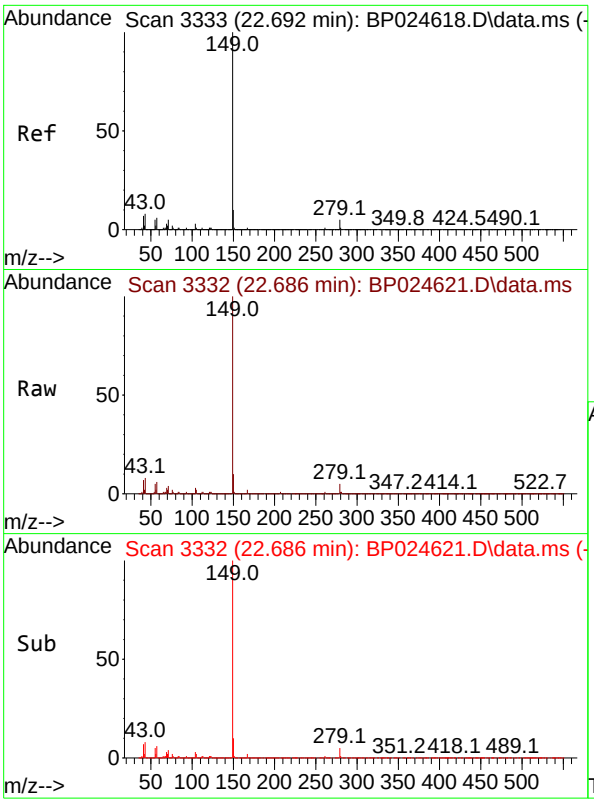




#84
Bis(2-ethylhexyl)phthalate
Concen: 85.913 ng
RT: 21.439 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:149 Resp: 2577445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.2 | 22.1 | 33.1 |
| 279 | 5.7 | 4.6 | 6.8 |



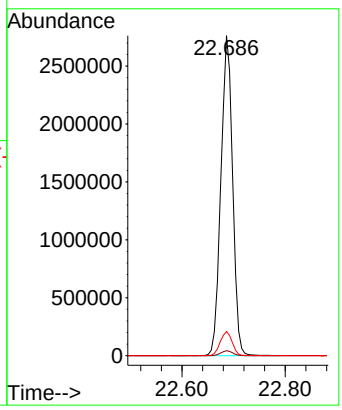


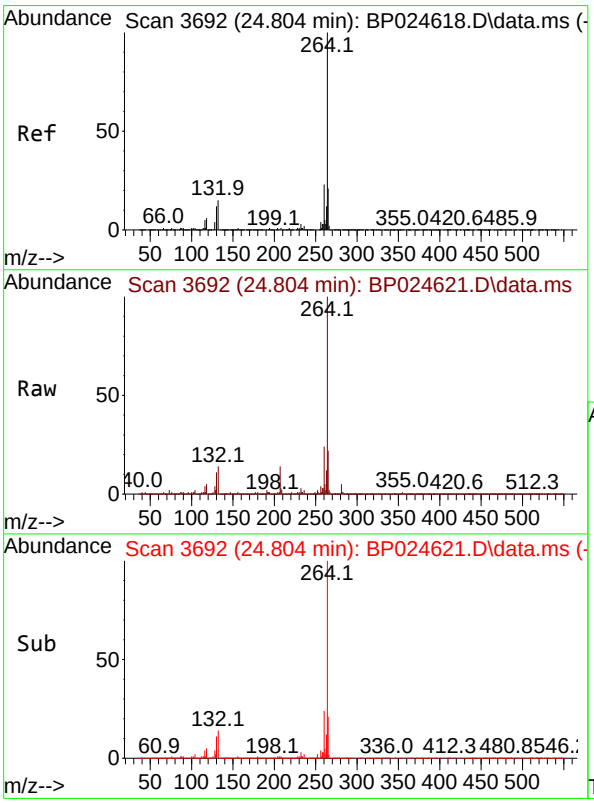

#85
Di-n-octyl phthalate
Concen: 88.498 ng
RT: 22.686 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 4341653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.2 | 1.8 |
| 43 | 7.6 | 6.3 | 9.5 |

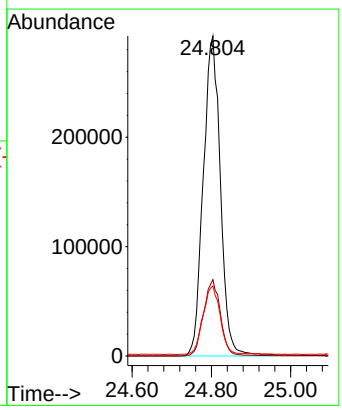


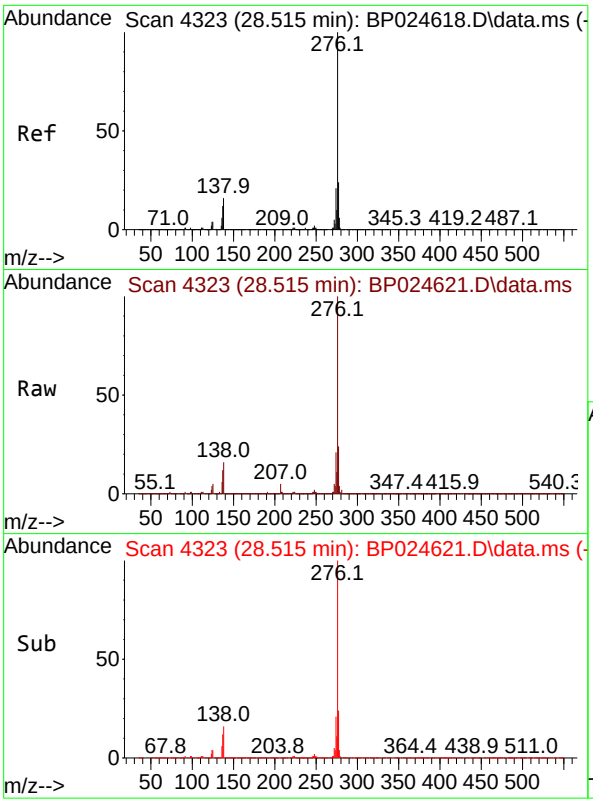




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.804 min Scan# 3692
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:264 Resp: 877352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 18.7 | 28.1 |
| 265 | 21.9 | 17.0 | 25.6 |



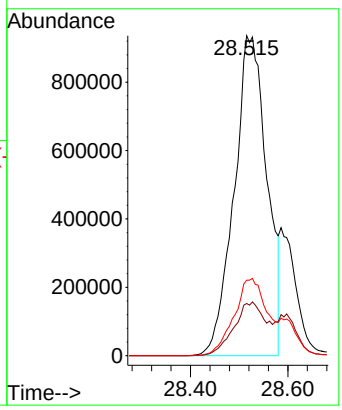


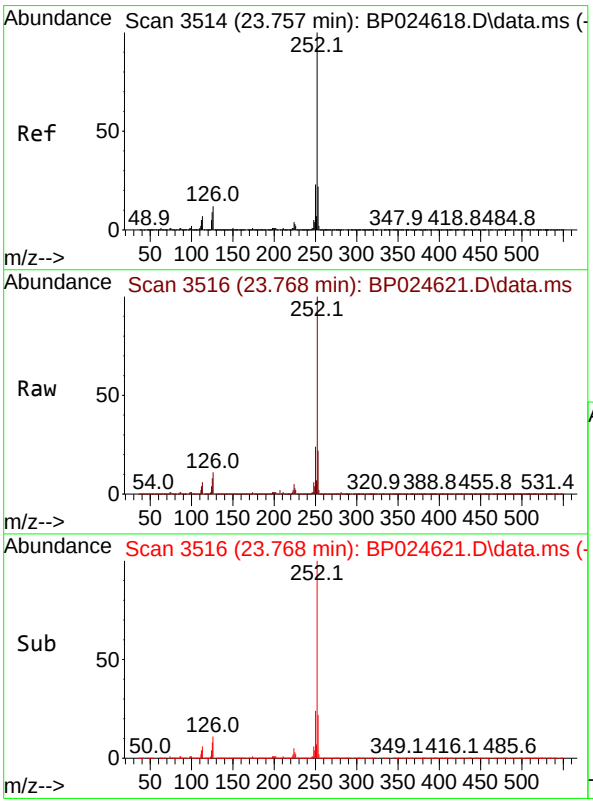

#87
Indeno(1,2,3-cd)pyrene
Concen: 68.278 ng
RT: 28.515 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:276 Resp: 4374706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.4 | 11.2 | 16.8 |
| 277 | 24.5 | 15.7 | 23.5# |

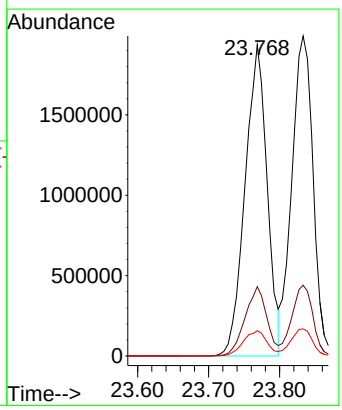


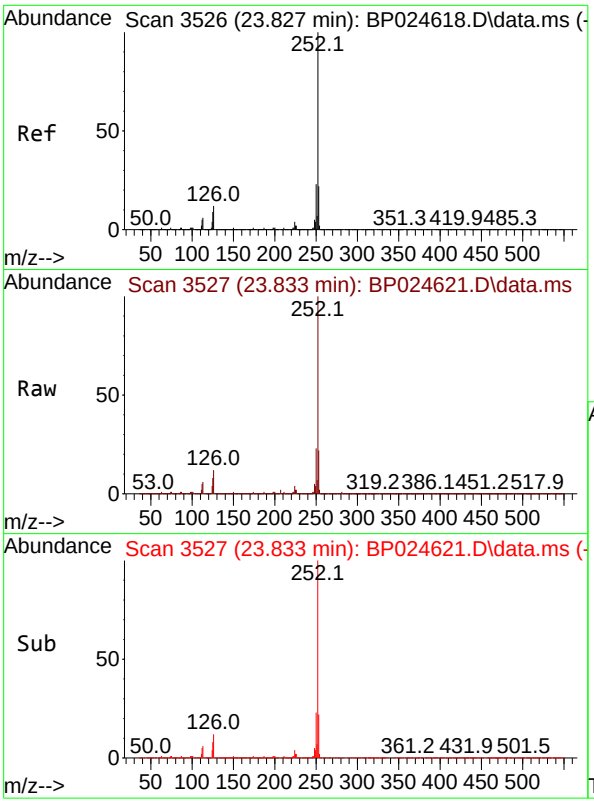




#88
Benzo(b)fluoranthene
Concen: 83.113 ng
RT: 23.768 min Scan# 3516
Delta R.T. 0.012 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:252 Resp: 4173798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.7 | 26.5 |
| 125 | 8.2 | 7.5 | 11.3 |



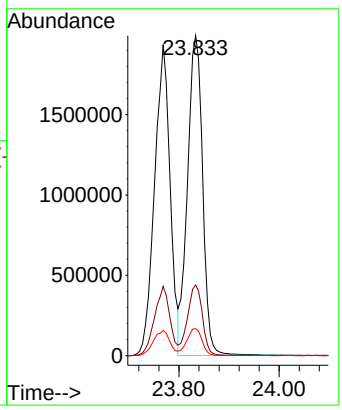


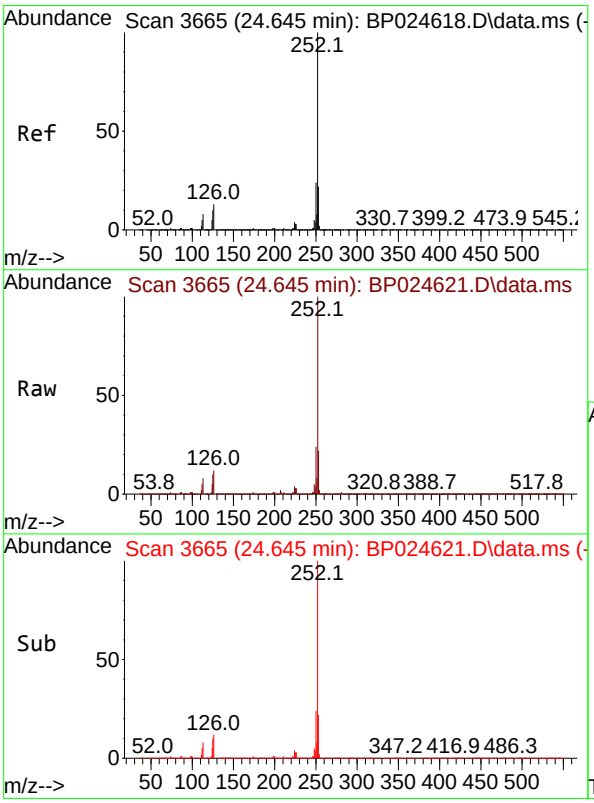

#89
Benzo(k)fluoranthene
Concen: 80.397 ng
RT: 23.833 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:252 Resp: 4160268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.6 | 26.4 |
| 125 | 8.5 | 7.0 | 10.4 |

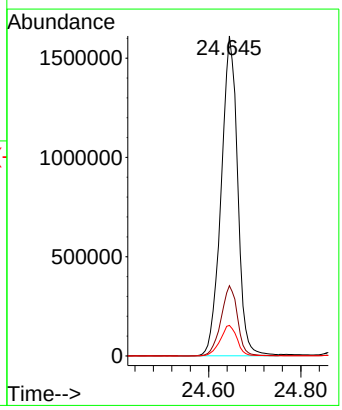


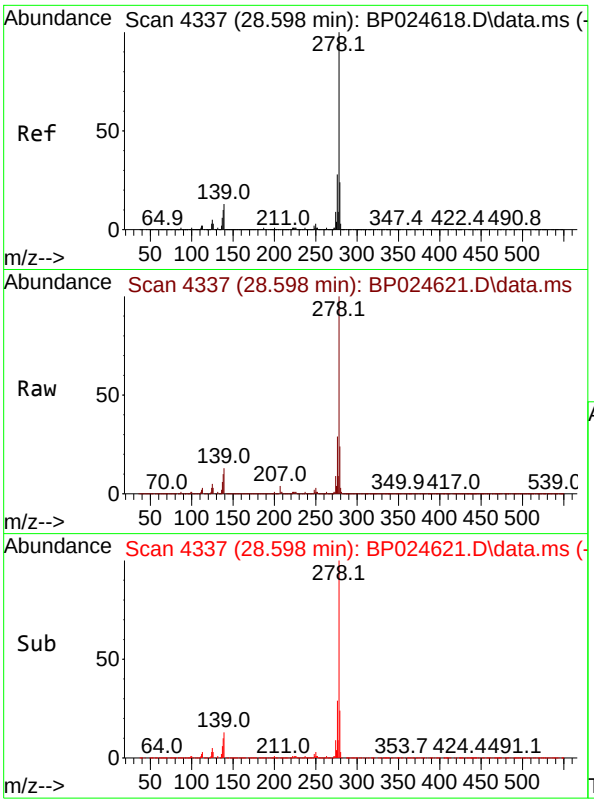




#90
Benzo(a)pyrene
Concen: 82.694 ng
RT: 24.645 min Scan# 3665
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:252 Resp: 3988360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.7 | 26.5 |
| 125 | 9.5 | 8.1 | 12.1 |



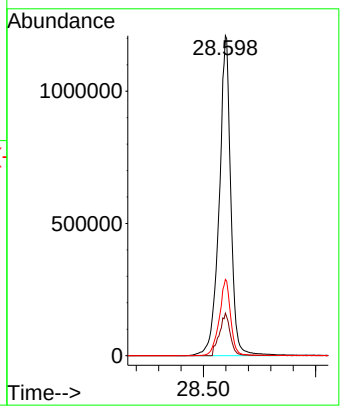


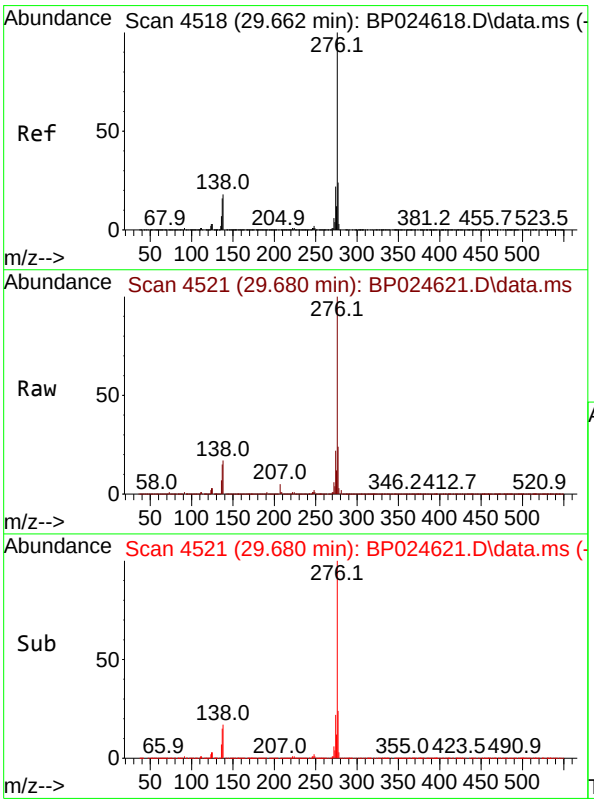

#91
Dibenzo(a,h)anthracene
Concen: 83.260 ng
RT: 28.598 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:278 Resp: 4338518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.3 | 10.2 | 15.4 |
| 279 | 23.9 | 19.0 | 28.4 |

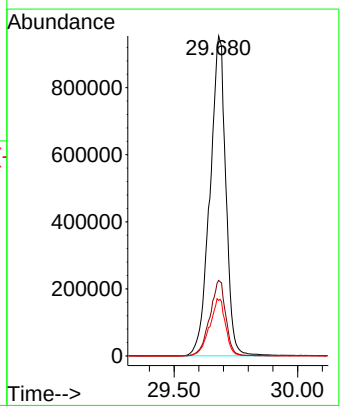



#92
Benzo(g,h,i)perylene
Concen: 82.083 ng
RT: 29.680 min Scan# 4521
Delta R.T. 0.018 min
Lab File: BP024621.D
Acq: 13 May 2025 15:26

Tgt Ion:276 Resp: 4253459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 19.0 | 28.4 |
| 138 | 17.3 | 14.4 | 21.6 |



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.657 | 152 | 144423 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.434 | 136 | 621777 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.292 | 164 | 391112 | 20.000 | ng | -0.01 |
| 64) Phenanthrene-d10 | 17.092 | 188 | 780511 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.521 | 240 | 868822 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.815 | 264 | 1015341 | 20.000 | ng | 0.01 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.287 | 112 | 658249 | 77.955 | ng | 0.00 |
| 7) Phenol-d6 | 6.852 | 99 | 852330 | 79.089 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.810 | 82 | 962660 | 78.227 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.810 | 330 | 520660 | 78.525 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 12.904 | 172 | 2290715 | 76.733 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.822 | 244 | 3889002 | 76.753 | ng | 0.01 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.222 | 88 | 145871 | 36.789 | ng | 99 |
| 3) Pyridine | 3.622 | 79 | 347515 | 39.526 | ng | 97 |
| 4) n-Nitrosodimethylamine | 3.528 | 42 | 147412 | 37.979 | ng | 98 |
| 6) Aniline | 6.999 | 93 | 545556 | 39.210 | ng | 100 |
| 8) 2-Chlorophenol | 7.234 | 128 | 377358 | 39.367 | ng | 97 |
| 9) Benzaldehyde | 6.816 | 77 | 272303 | 39.033 | ng | 99 |
| 10) Phenol | 6.881 | 94 | 434788 | 39.089 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 7.093 | 93 | 346744 | 37.938 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.552 | 146 | 417899 | 37.893 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 7.699 | 146 | 420432 | 37.904 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.010 | 146 | 409587 | 37.896 | ng | 99 |
| 15) Benzyl Alcohol | 7.904 | 79 | 332015 | 40.541 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.181 | 45 | 416339 | 38.037 | ng | 99 |
| 17) 2-Methylphenol | 8.110 | 107 | 316066 | 39.618 | ng | 99 |
| 18) Hexachloroethane | 8.728 | 117 | 158167 | 37.211 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 8.463 | 70 | 291961 | 39.165 | ng | 99 |
| 20) 3+4-Methylphenols | 8.434 | 107 | 429326 | 39.562 | ng | 99 |
| 22) Acetophenone | 8.475 | 105 | 597464 | 38.468 | ng | 99 |
| 24) Nitrobenzene | 8.851 | 77 | 416985 | 38.505 | ng | 96 |
| 25) Isophorone | 9.375 | 82 | 821637 | 38.491 | ng | 99 |
| 26) 2-Nitrophenol | 9.557 | 139 | 218211 | 41.121 | ng | 95 |
| 27) 2,4-Dimethylphenol | 9.622 | 122 | 369418 | 39.484 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 9.851 | 93 | 493722 | 38.714 | ng | 100 |
| 29) 2,4-Dichlorophenol | 10.093 | 162 | 364373 | 40.189 | ng | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.298 | 180 | 389362 | 38.109 | ng | 98 |
| 31) Naphthalene | 10.481 | 128 | 1226624 | 38.069 | ng | 100 |
| 32) Benzoic acid | 9.781 | 122 | 223660 | 36.464 | ng | 98 |
| 33) 4-Chloroaniline | 10.598 | 127 | 524873 | 40.368 | ng | 99 |
| 34) Hexachlorobutadiene | 10.763 | 225 | 246776 | 37.285 | ng | 98 |
| 35) Caprolactam | 11.387 | 113 | 130399 | 39.752 | ng | 99 |
| 36) 4-Chloro-3-methylphenol | 11.740 | 107 | 431344 | 39.013 | ng | 100 |
| 37) 2-Methylnaphthalene | 12.098 | 142 | 789724 | 37.852 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.316 | 142 | 833521 | 37.339 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.469 | 216 | 444420 | 39.130 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 12.445 | 237 | 305575 | 44.371 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 12.716 | 196 | 305651 | 41.549 | ng | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

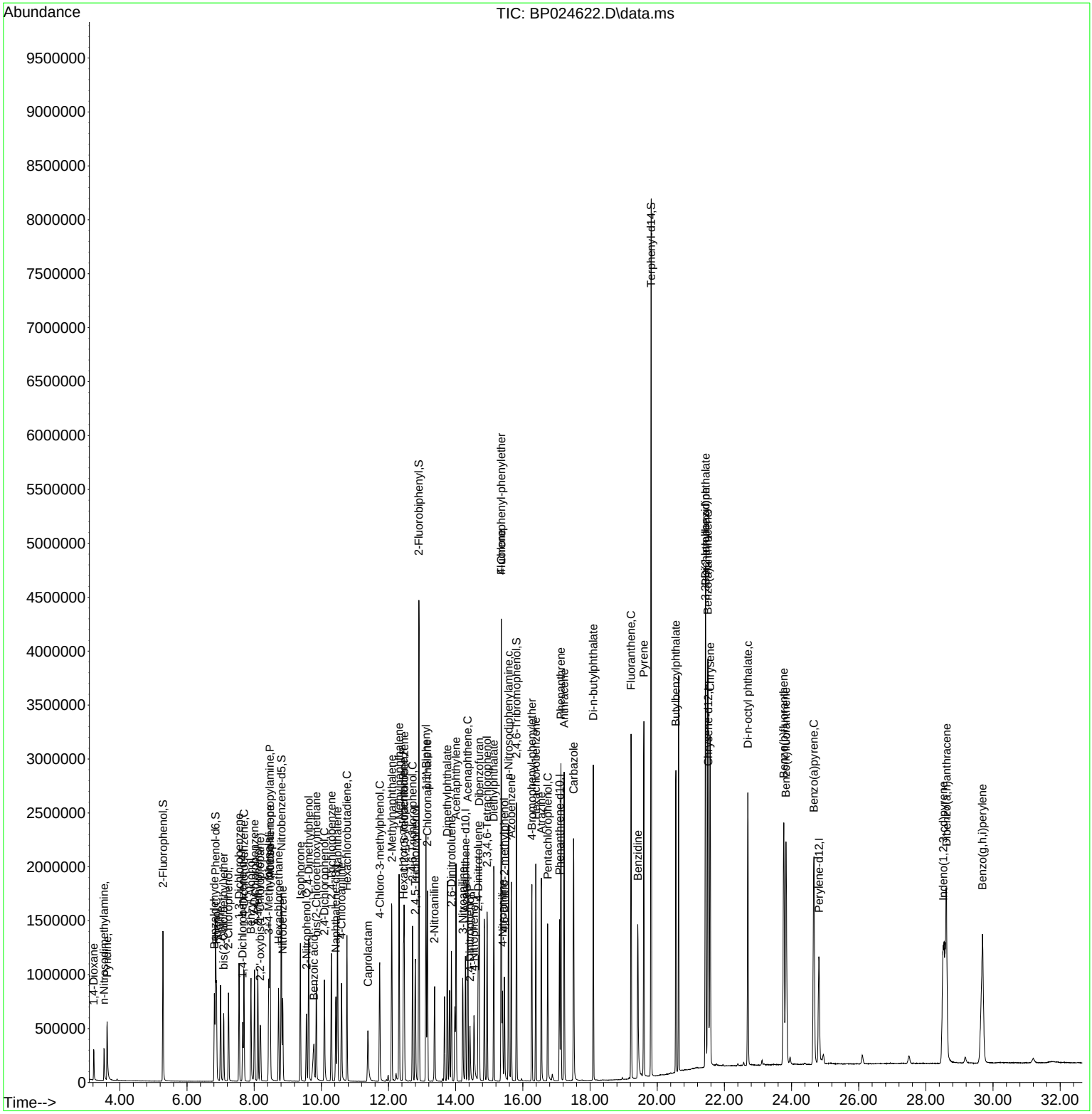
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.798 | 196 | 336252 | 41.064 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.116 | 154 | 1124669 | 38.906 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.157 | 162 | 864853 | 39.238 | ng | | 98 |
| 48) 2-Nitroaniline | 13.369 | 65 | 264965 | 40.604 | ng | | 97 |
| 49) Acenaphthylene | 14.010 | 152 | 1419821 | 38.493 | ng | | 100 |
| 50) Dimethylphthalate | 13.751 | 163 | 1155211 | 38.751 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 13.875 | 165 | 247537 | 39.317 | ng | | 99 |
| 52) Acenaphthene | 14.357 | 154 | 803755 | 37.904 | ng | | 99 |
| 53) 3-Nitroaniline | 14.210 | 138 | 262737 | 40.871 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 14.428 | 184 | 135624 | 37.829 | ng | | 96 |
| 55) Dibenzofuran | 14.698 | 168 | 1282228 | 37.910 | ng | | 99 |
| 56) 4-Nitrophenol | 14.545 | 139 | 202528 | 38.698 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 14.675 | 165 | 354817 | 39.975 | ng | | 99 |
| 58) Fluorene | 15.357 | 166 | 1059642 | 38.422 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.934 | 232 | 298327 | 39.274 | ng | | 99 |
| 60) Diethylphthalate | 15.134 | 149 | 1150091 | 38.171 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.357 | 204 | 526066 | 38.249 | ng | | 99 |
| 62) 4-Nitroaniline | 15.398 | 138 | 265185 | 42.722 | ng | | 98 |
| 63) Azobenzene | 15.657 | 77 | 1000653 | 38.822 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.451 | 198 | 203200 | 40.305 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 15.575 | 169 | 920187 | 38.382 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.269 | 248 | 357846 | 38.909 | ng | | 97 |
| 68) Hexachlorobenzene | 16.386 | 284 | 446142 | 38.175 | ng | | 99 |
| 69) Atrazine | 16.551 | 200 | 347661 | 39.570 | ng | | 99 |
| 70) Pentachlorophenol | 16.739 | 266 | 269781 | 41.124 | ng | | 99 |
| 71) Phenanthrene | 17.133 | 178 | 1629118 | 37.546 | ng | | 99 |
| 72) Anthracene | 17.228 | 178 | 1669395 | 38.241 | ng | | 100 |
| 73) Carbazole | 17.510 | 167 | 1563685 | 39.575 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.098 | 149 | 1978741 | 38.939 | ng | | 100 |
| 75) Fluoranthene | 19.222 | 202 | 1956043 | 38.566 | ng | | 100 |
| 77) Benzidine | 19.422 | 184 | 1023514 | 43.253 | ng | | 99 |
| 78) Pyrene | 19.604 | 202 | 1992845 | 38.281 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.557 | 149 | 938210 | 40.523 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.510 | 228 | 2121561 | 38.889 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.433 | 252 | 861323 | 42.508 | ng | | 100 |
| 83) Chrysene | 21.574 | 228 | 1976940 | 38.227 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.445 | 149 | 1375919 | 40.433 | ng | | 100 |
| 85) Di-n-octyl phthalate | 22.698 | 149 | 2321673 | 41.721 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.515 | 276 | 1096892 | 14.798 | ng | # | 66 |
| 88) Benzo(b)fluoranthene | 23.768 | 252 | 2283322 | 39.289 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 23.833 | 252 | 2289000 | 38.223 | ng | | 100 |
| 90) Benzo(a)pyrene | 24.668 | 252 | 2177020 | 39.004 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.615 | 278 | 2374558 | 39.377 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 29.686 | 276 | 2333151 | 38.906 | ng | | 100 |

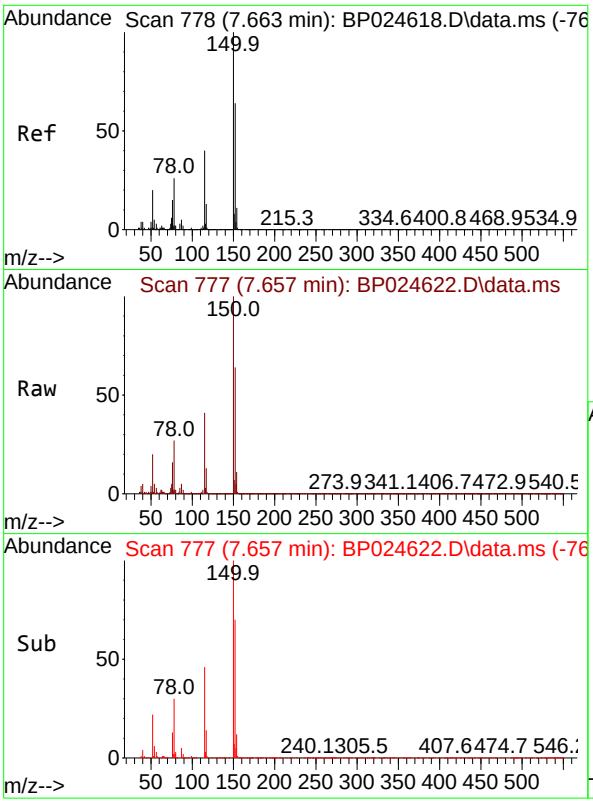
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



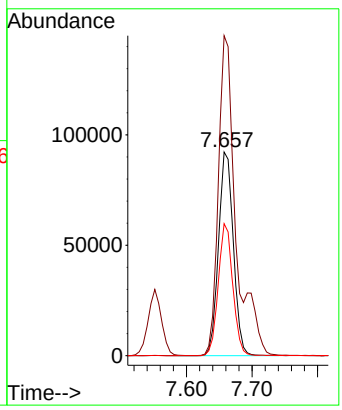


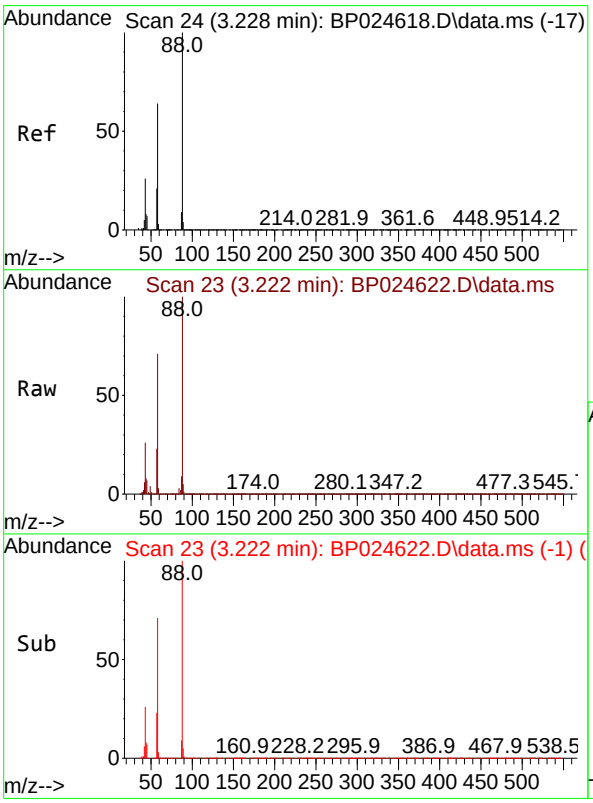

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:152 Resp: 144423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.1 | 125.9 | 188.9 |
| 115 | 64.8 | 50.1 | 75.1 |

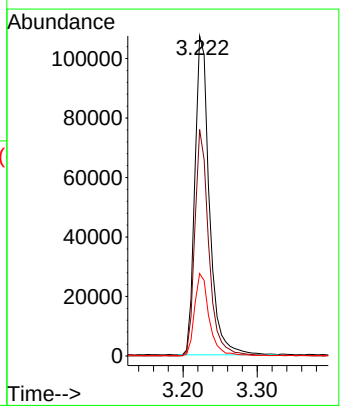


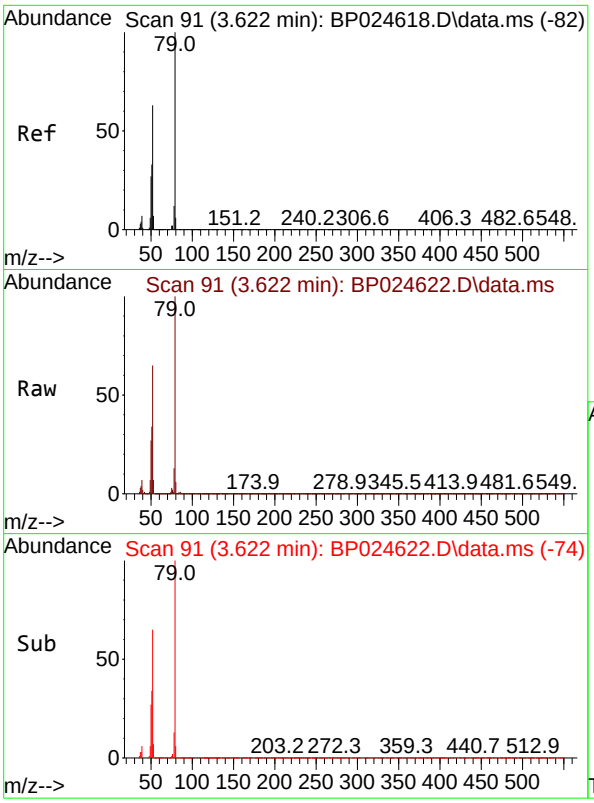




#2
1,4-Dioxane
Concen: 36.789 ng
RT: 3.222 min Scan# 23
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 88 Resp: 145871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 68.6 | 54.0 | 81.0 |
| 43 | 25.9 | 21.4 | 32.0 |



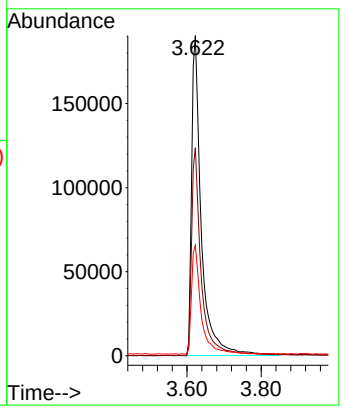


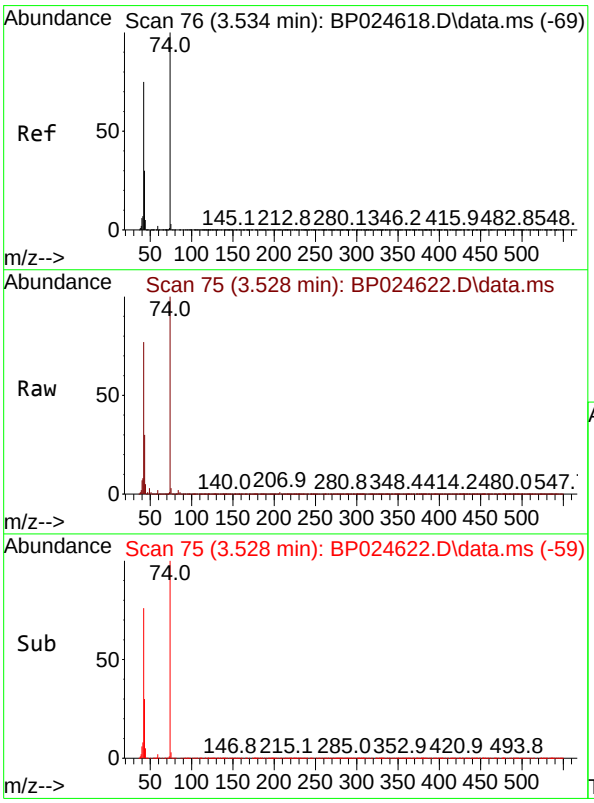

#3
Pyridine
Concen: 39.526 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion: 79 Resp: 347515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 65.0 | 50.2 | 75.2 |
| 51 | 34.5 | 26.8 | 40.2 |

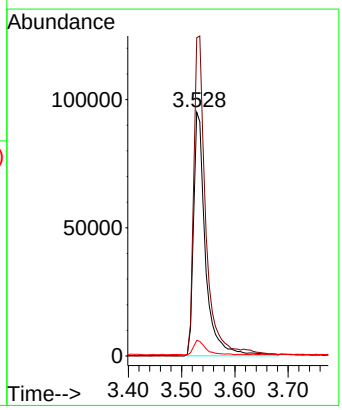


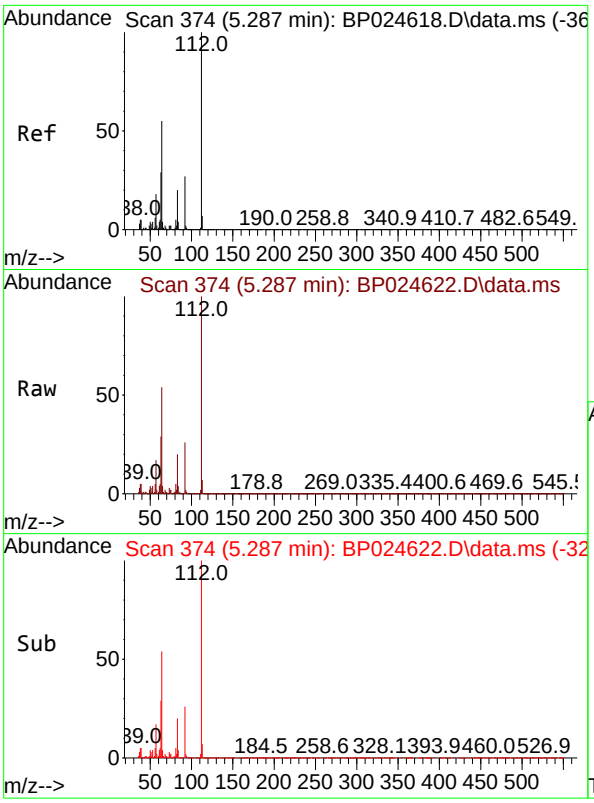




#4
n-Nitrosodimethylamine
Concen: 37.979 ng
RT: 3.528 min Scan# 75
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 42 Resp: 147412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 130.6 | 106.2 | 159.2 |
| 44 | 6.4 | 5.4 | 8.2 |



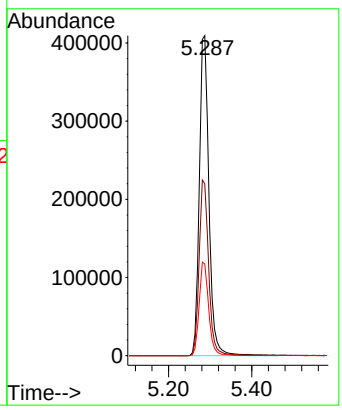


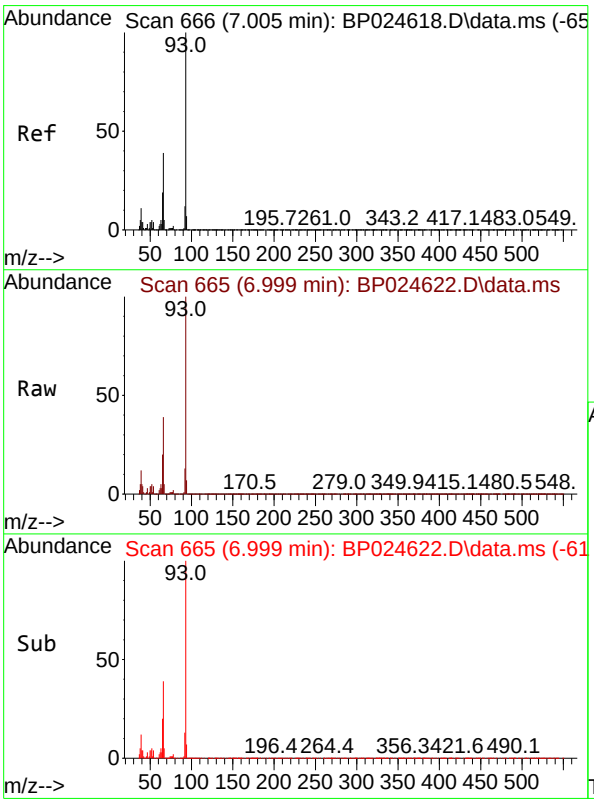

#5
2-Fluorophenol
Concen: 77.955 ng
RT: 5.287 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:112 Resp: 658249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.7 | 44.1 | 66.1 |
| 63 | 28.7 | 23.5 | 35.3 |

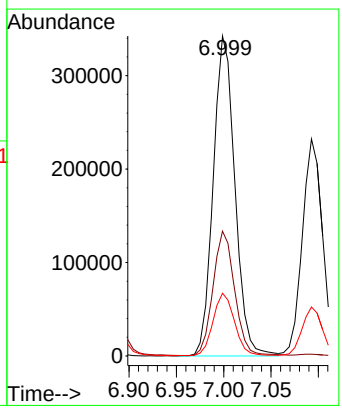


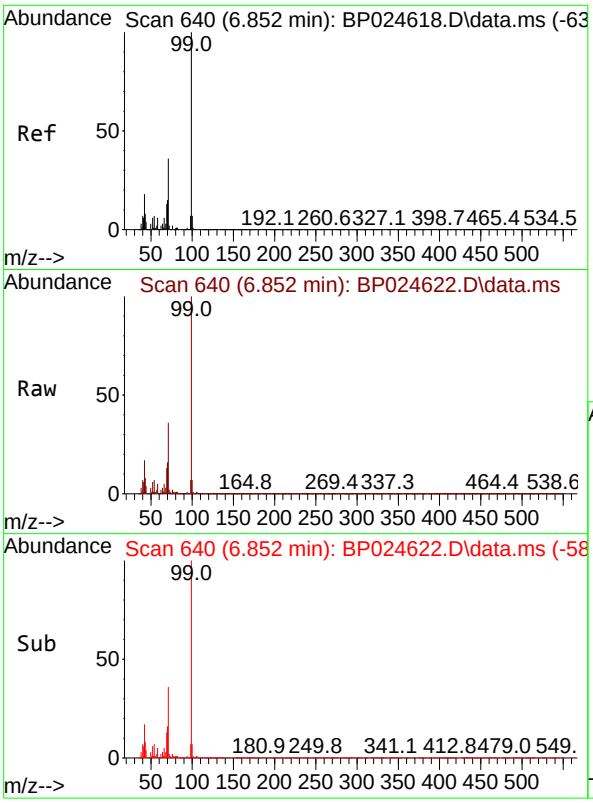




#6
Aniline
Concen: 39.210 ng
RT: 6.999 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 93 Resp: 545556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.0 | 31.0 | 46.6 |
| 65 | 19.6 | 15.5 | 23.3 |



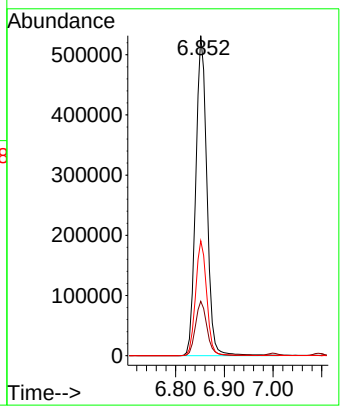


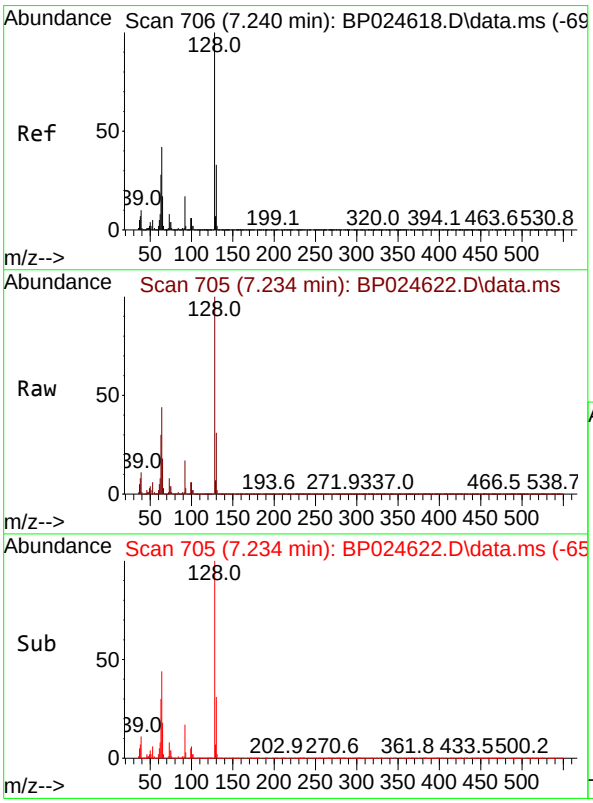

#7
Phenol-d6
Concen: 79.089 ng
RT: 6.852 min Scan# 64
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion: 99 Resp: 852330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.0 | 14.4 | 21.6 |
| 71 | 35.9 | 29.2 | 43.8 |

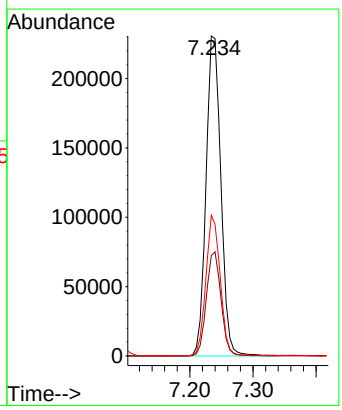


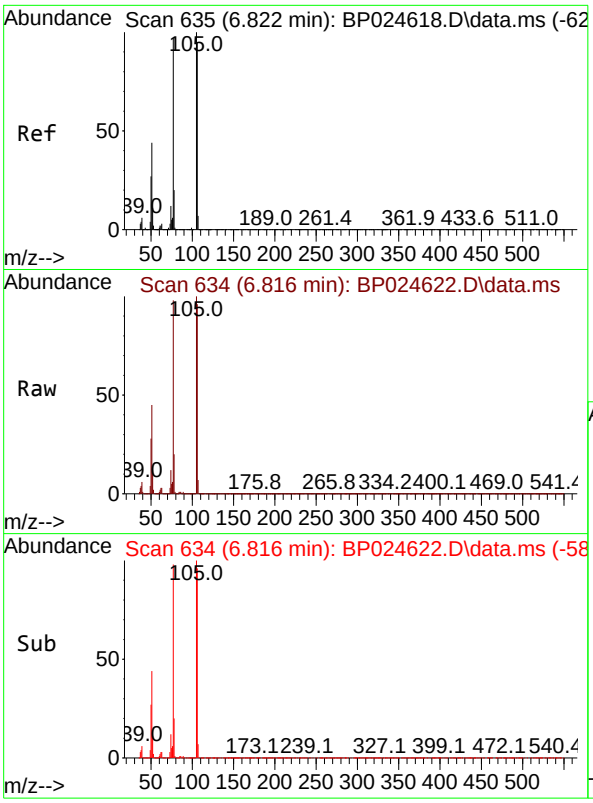




#8
2-Chlorophenol
Concen: 39.367 ng
RT: 7.234 min Scan# 705
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:128 Resp: 377358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 31.4 | 13.0 | 53.0 |
| 64 | 43.9 | 22.3 | 62.3 |



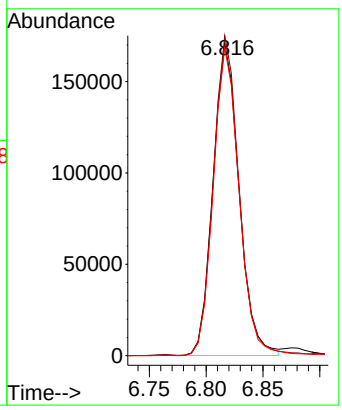


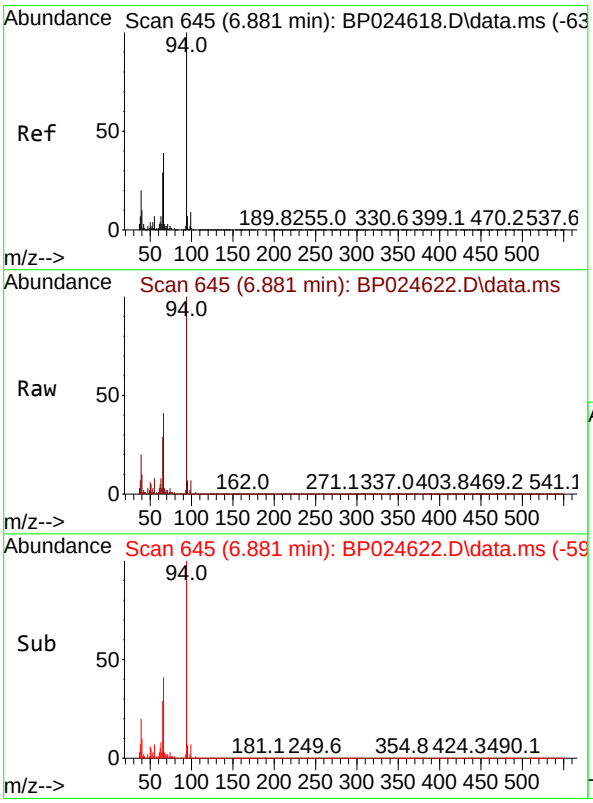

#9
Benzaldehyde
Concen: 39.033 ng
RT: 6.816 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion: 77 Resp: 272303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 102.4 | 83.3 | 123.3 |
| 106 | 98.5 | 78.0 | 118.0 |

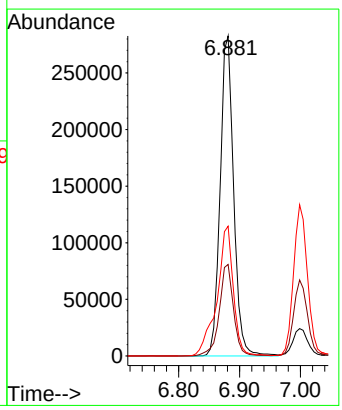


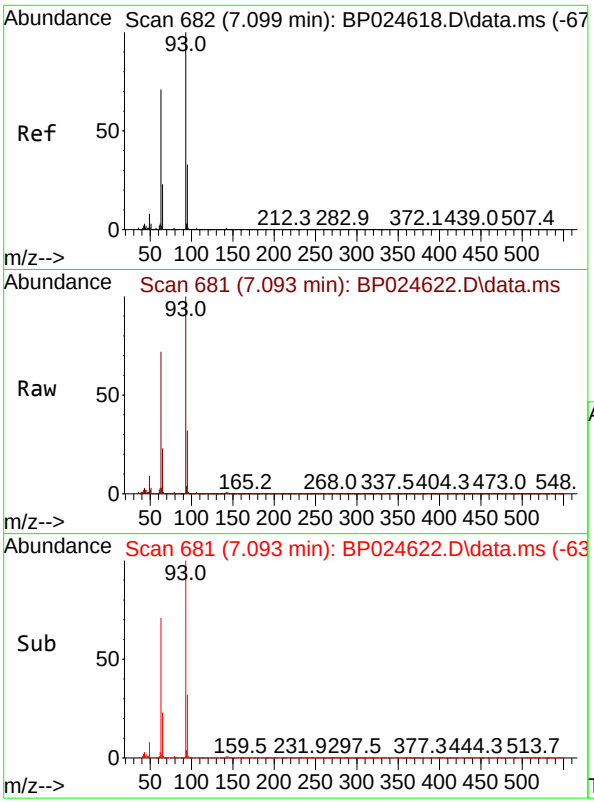




#10
Phenol
Concen: 39.089 ng
RT: 6.881 min Scan# 645
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 94 Resp: 434788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.6 | 8.7 | 48.7 |
| 66 | 40.5 | 19.4 | 59.4 |



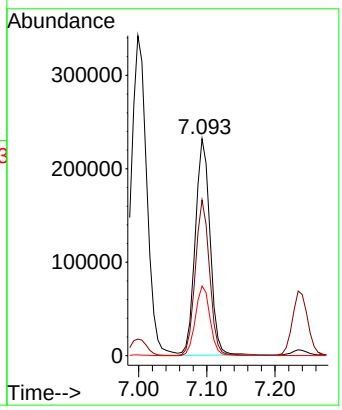


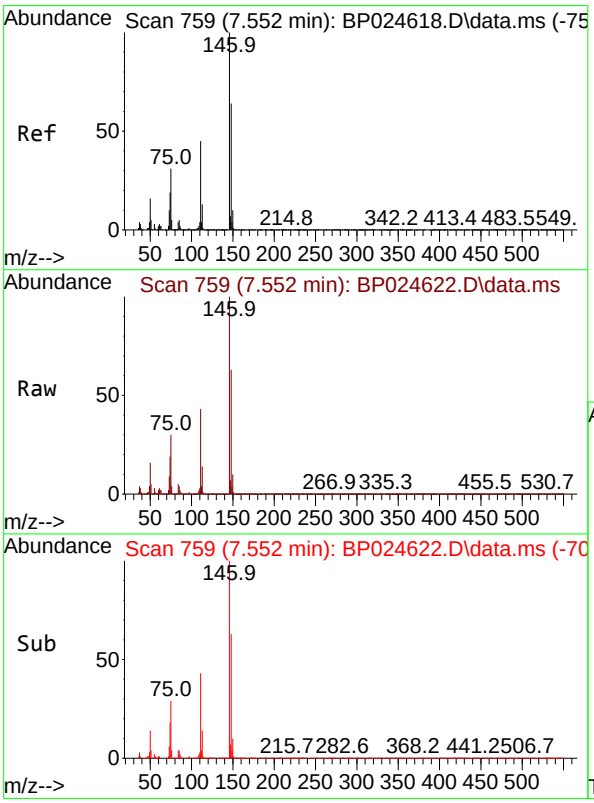

#11
bis(2-Chloroethyl)ether
Concen: 37.938 ng
RT: 7.093 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion: 93 Resp: 346744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 71.9 | 50.6 | 90.6 |
| 95 | 32.1 | 12.9 | 52.9 |

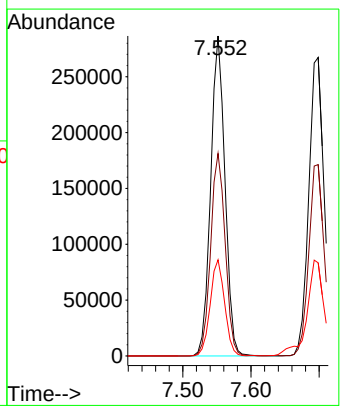


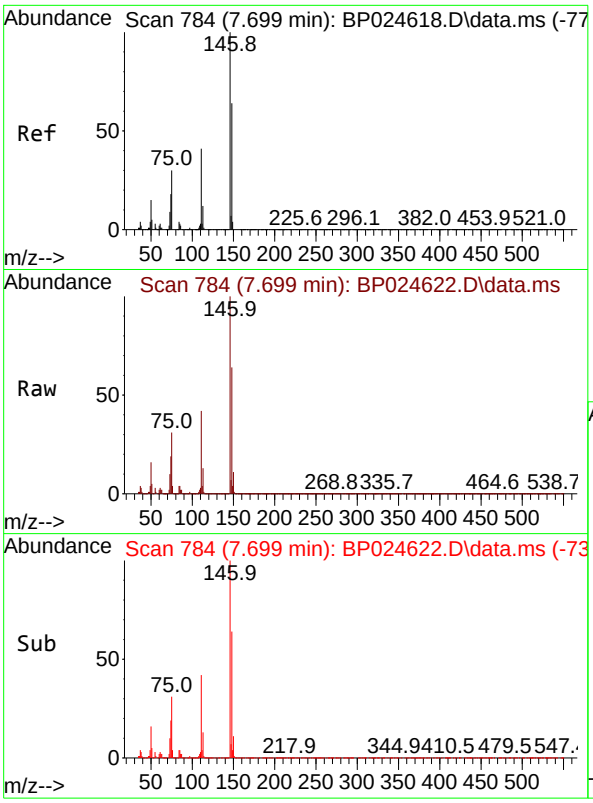




#12
1,3-Dichlorobenzene
Concen: 37.893 ng
RT: 7.552 min Scan# 759
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:146 Resp: 417899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 51.4 | 77.2 |
| 75 | 30.1 | 25.2 | 37.8 |



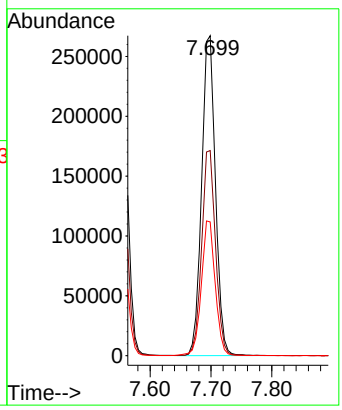


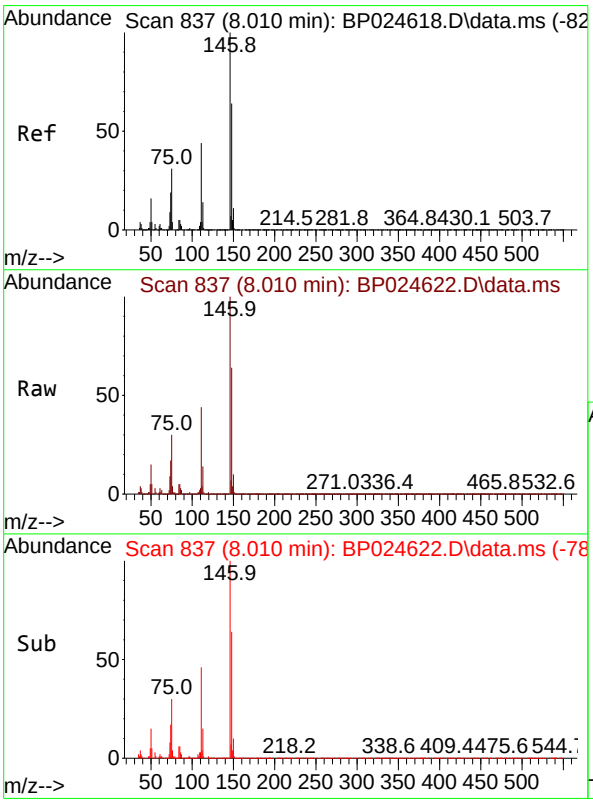

#13
1,4-Dichlorobenzene
Concen: 37.904 ng
RT: 7.699 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:146 Resp: 420432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.1 | 51.0 | 76.6 |
| 111 | 41.8 | 33.0 | 49.6 |

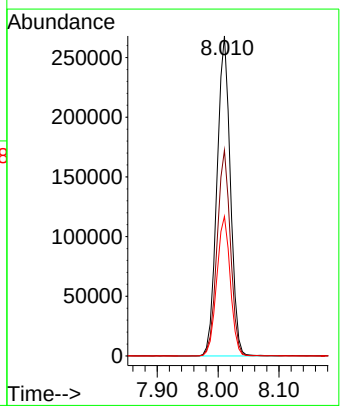


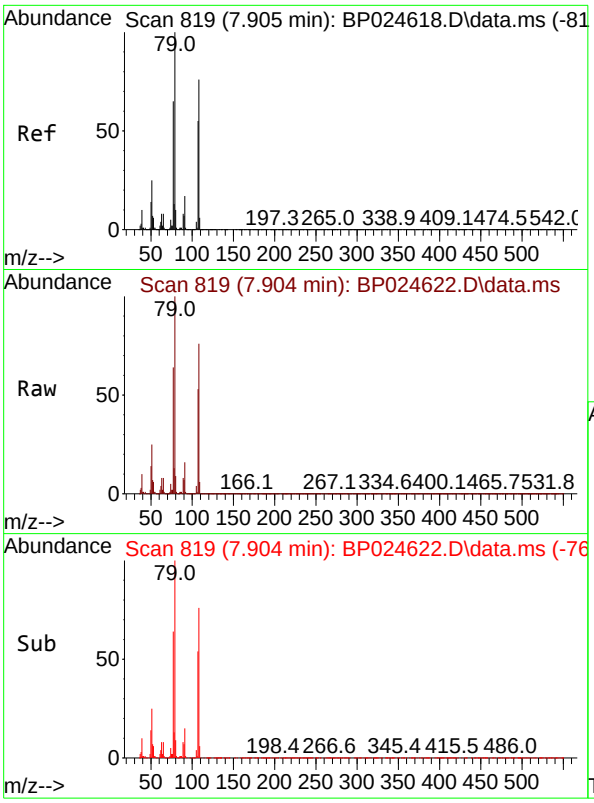




#14
1,2-Dichlorobenzene
Concen: 37.896 ng
RT: 8.010 min Scan# 837
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:146 Resp: 409587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.3 | 51.0 | 76.4 |
| 111 | 43.6 | 35.2 | 52.8 |



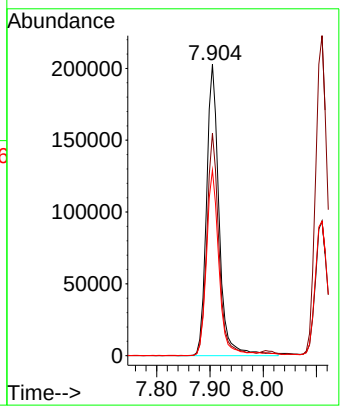


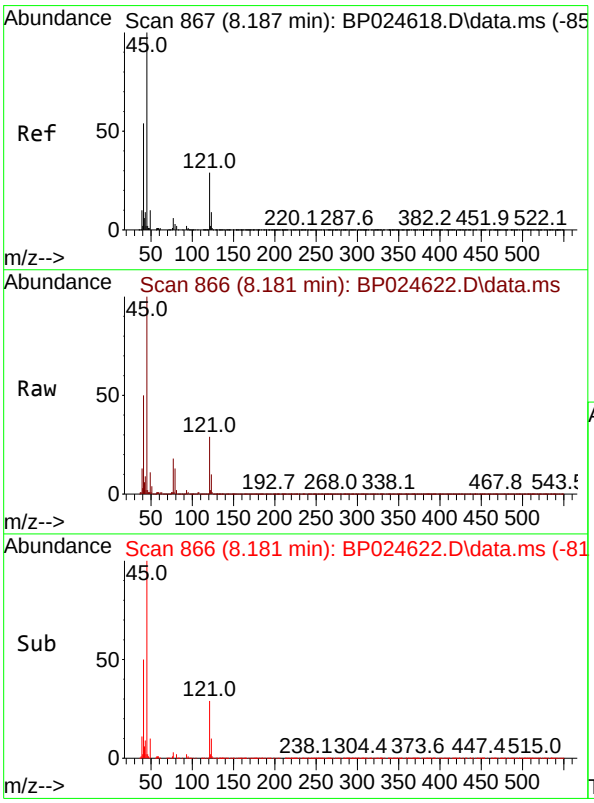

#15
Benzyl Alcohol
Concen: 40.541 ng
RT: 7.904 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion: 79 Resp: 332015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.4 | 60.8 | 91.2 |
| 77 | 63.7 | 51.9 | 77.9 |

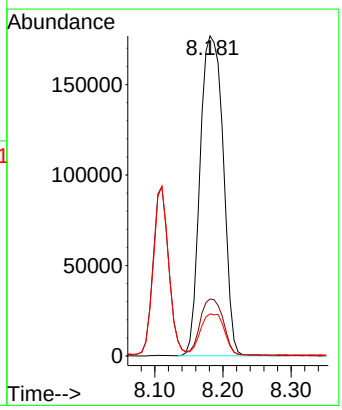


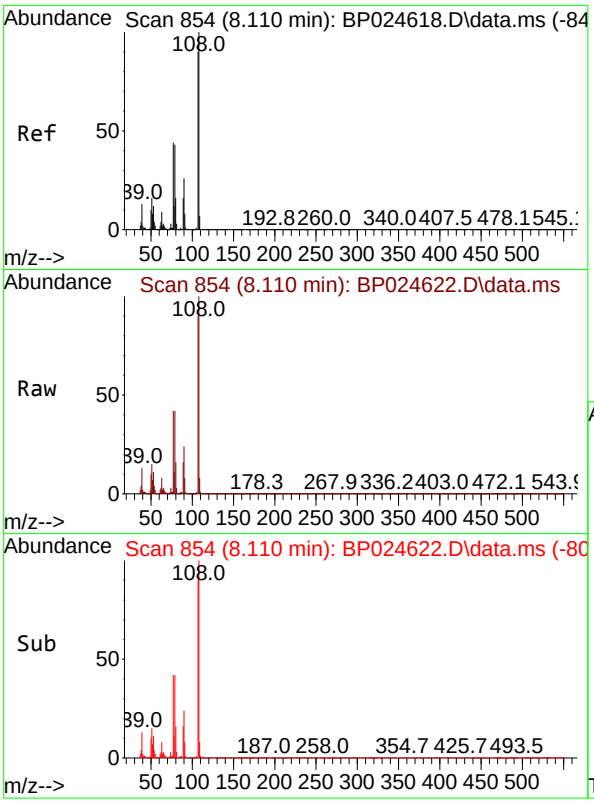




#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.037 ng
RT: 8.181 min Scan# 866
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 45 Resp: 416339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 17.8 | 0.0 | 37.7 |
| 79 | 13.2 | 0.0 | 34.0 |



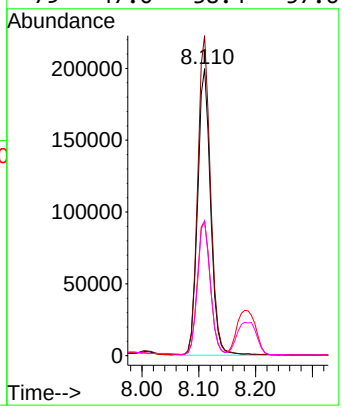


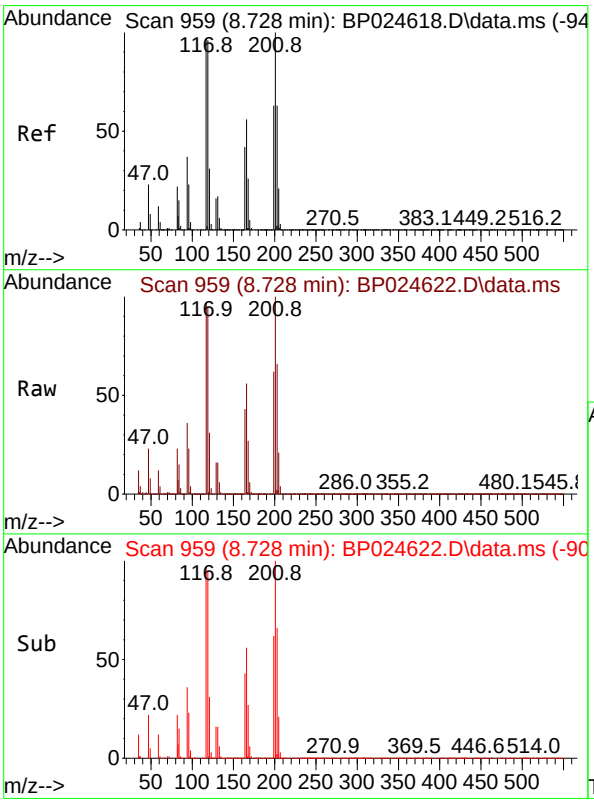

#17
2-Methylphenol
Concen: 39.618 ng
RT: 8.110 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:107 Resp: 316066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.5 | 88.9 | 133.3 |
| 77 | 46.8 | 39.0 | 58.6 |
| 79 | 47.0 | 38.4 | 57.6 |

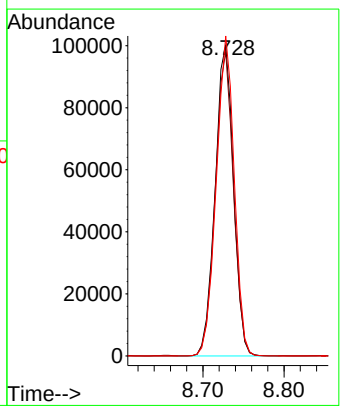


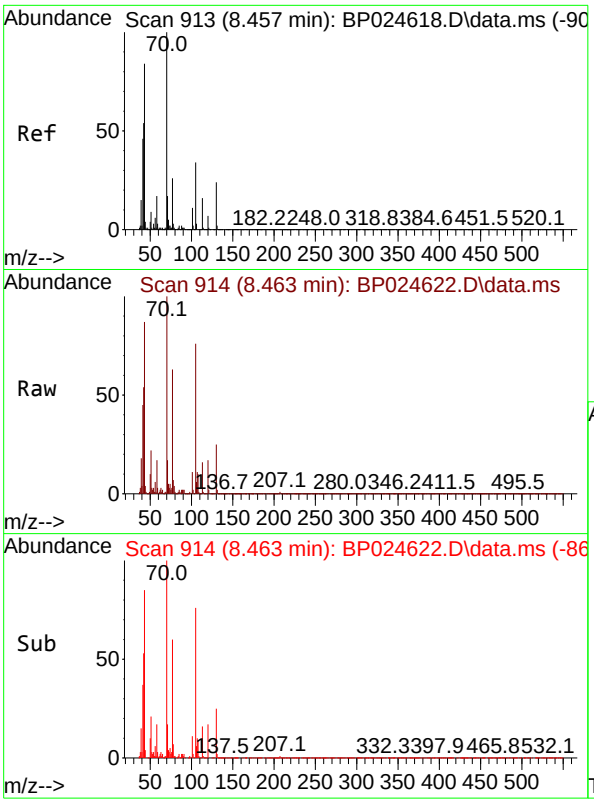




#18
Hexachloroethane
Concen: 37.211 ng
RT: 8.728 min Scan# 959
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:117 Resp: 158167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.9 | 79.4 | 119.0 |
| 201 | 103.0 | 82.7 | 124.1 |



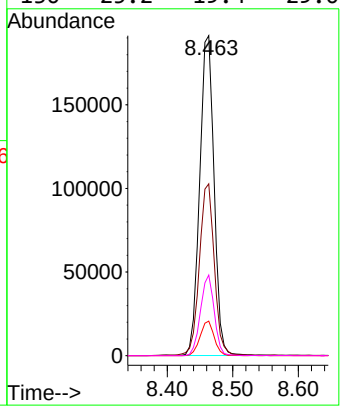


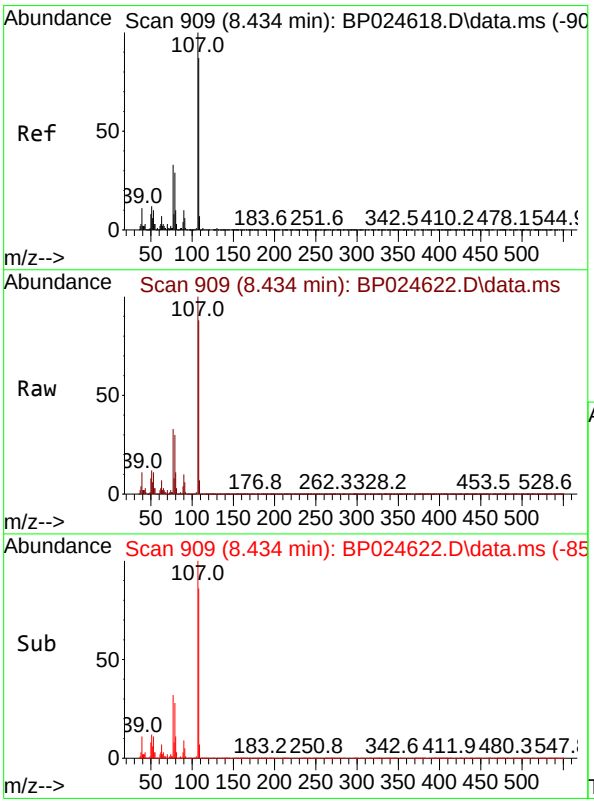

#19
n-Nitroso-di-n-propylamine
Concen: 39.165 ng
RT: 8.463 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion: 70 Resp: 291961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 53.7 | 43.0 | 64.6 |
| 101 | 10.8 | 8.7 | 13.1 |
| 130 | 25.2 | 19.4 | 29.0 |

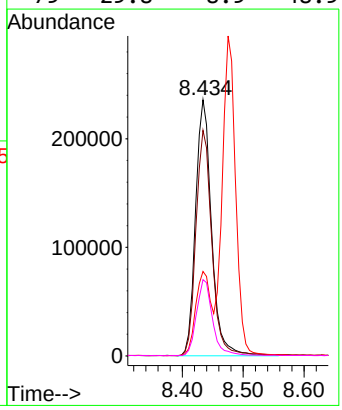


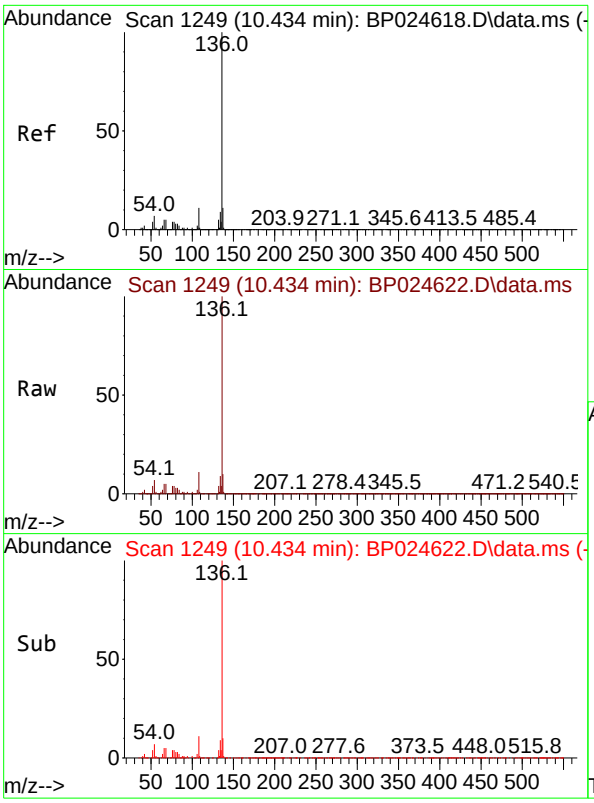




#20
3+4-Methylphenols
Concen: 39.562 ng
RT: 8.434 min Scan# 909
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:107 Resp: 429326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.1 | 66.7 | 106.7 |
| 77 | 33.0 | 13.1 | 53.1 |
| 79 | 29.8 | 8.9 | 48.9 |



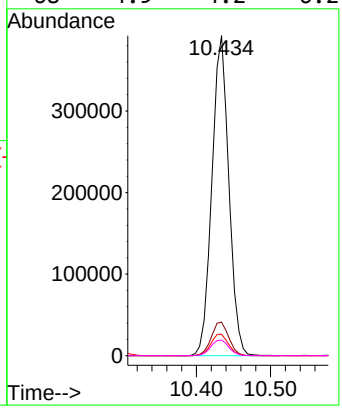


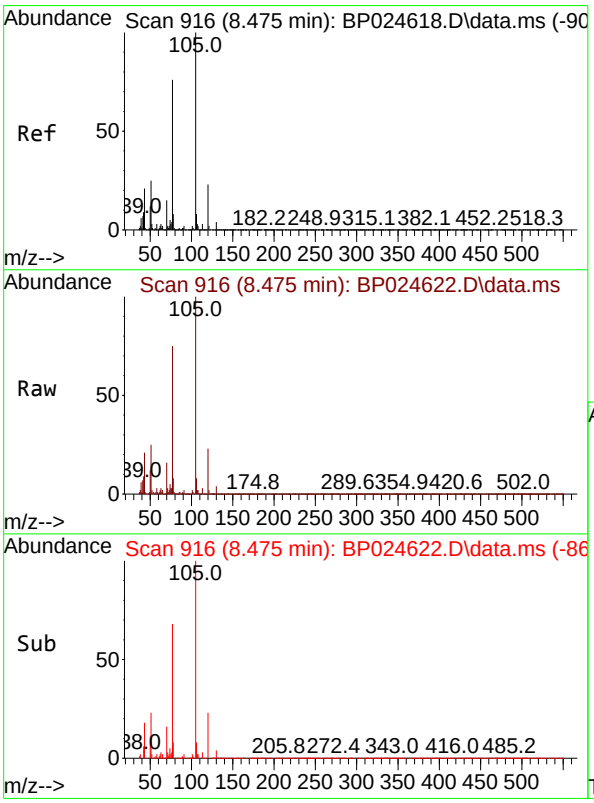

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:136 Resp: 621777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.4 | 8.8 | 13.2 |
| 54 | 6.7 | 5.5 | 8.3 |
| 68 | 4.9 | 4.2 | 6.2 |

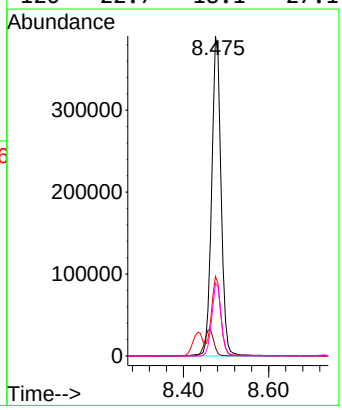


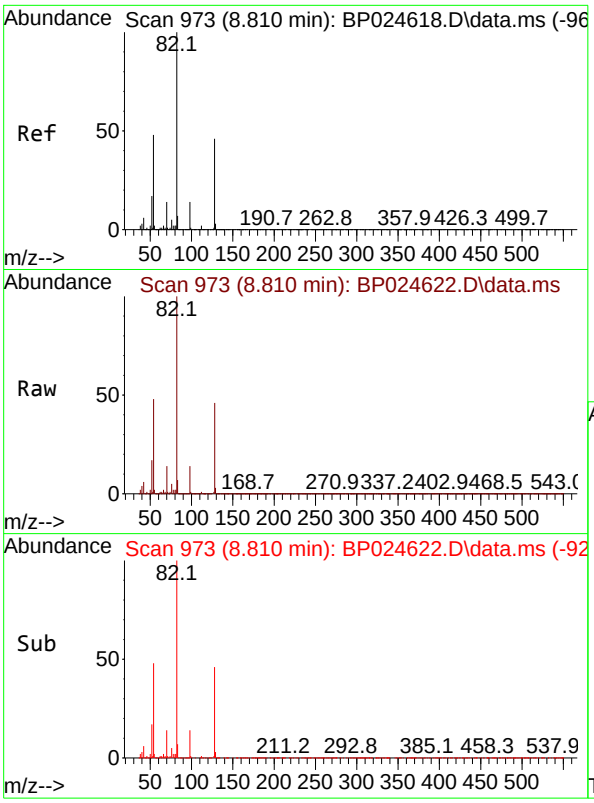




#22
Acetophenone
Concen: 38.468 ng
RT: 8.475 min Scan# 916
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:105 Resp: 597464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 2.6 | 2.0 | 3.0 |
| 51 | 24.9 | 20.4 | 30.6 |
| 120 | 22.7 | 18.1 | 27.1 |



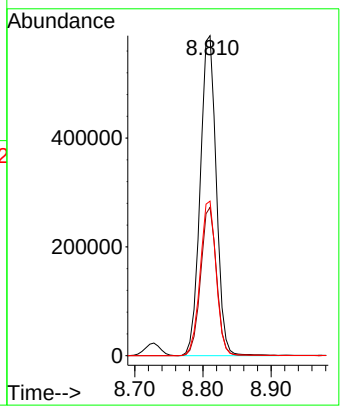


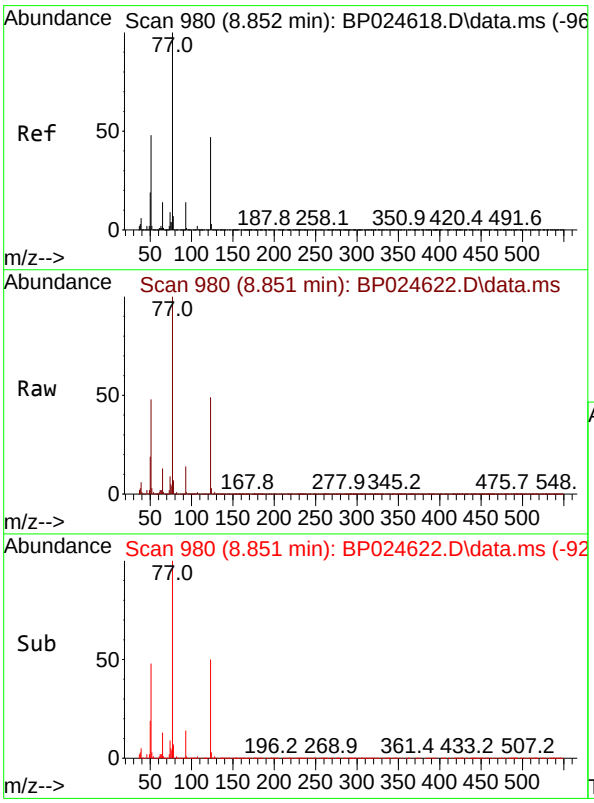

#23
Nitrobenzene-d5
Concen: 78.227 ng
RT: 8.810 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion: 82 Resp: 962660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.4 | 37.0 | 55.4 |
| 54 | 48.3 | 38.7 | 58.1 |

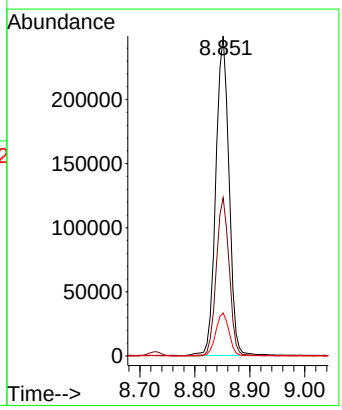


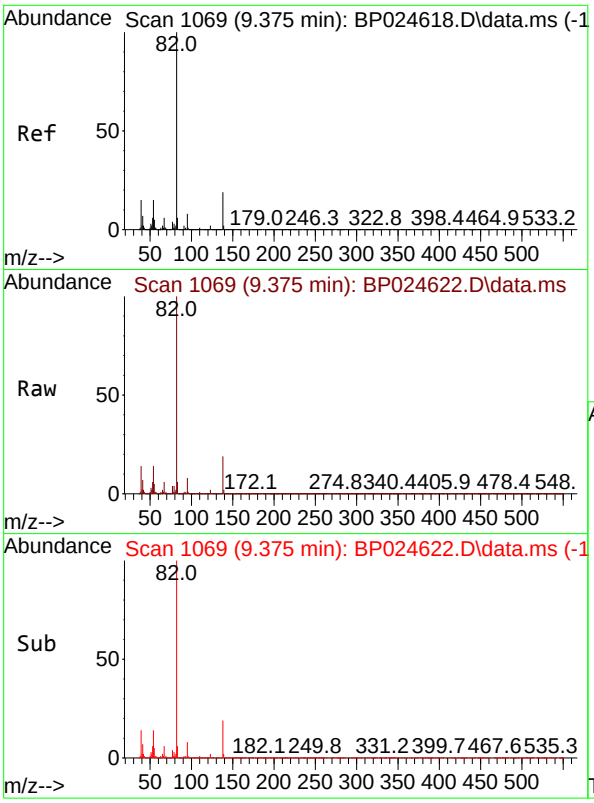




#24
Nitrobenzene
Concen: 38.505 ng
RT: 8.851 min Scan# 980
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 77 Resp: 416985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 49.5 | 37.4 | 56.0 |
| 65 | 13.5 | 11.3 | 16.9 |



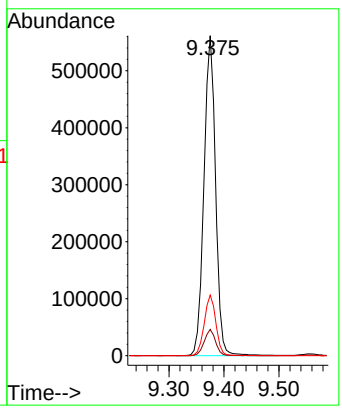


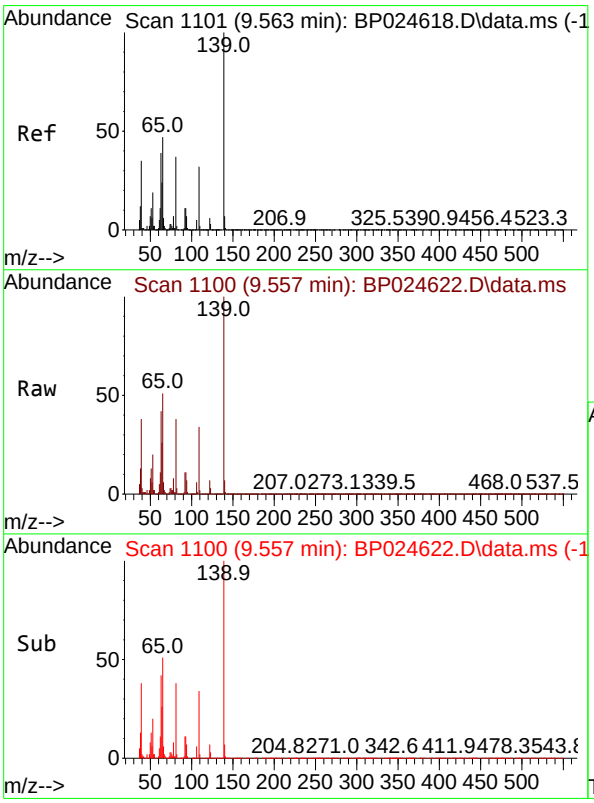

#25
Isophorone
Concen: 38.491 ng
RT: 9.375 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion: 82 Resp: 821637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.2 | 6.3 | 9.5 |
| 138 | 18.9 | 15.3 | 22.9 |

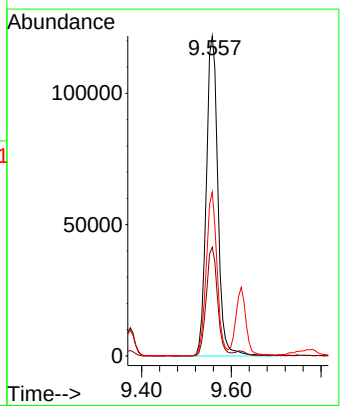


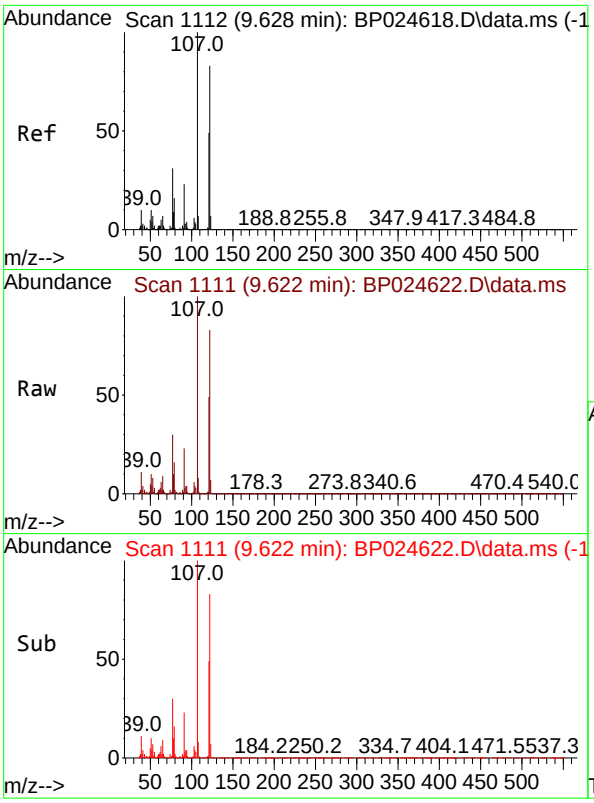




#26
2-Nitrophenol
Concen: 41.121 ng
RT: 9.557 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:139 Resp: 218211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 34.0 | 25.9 | 38.9 |
| 65 | 51.3 | 37.9 | 56.9 |



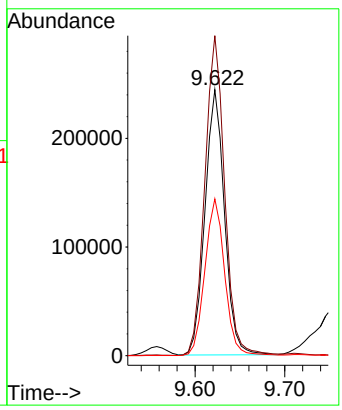


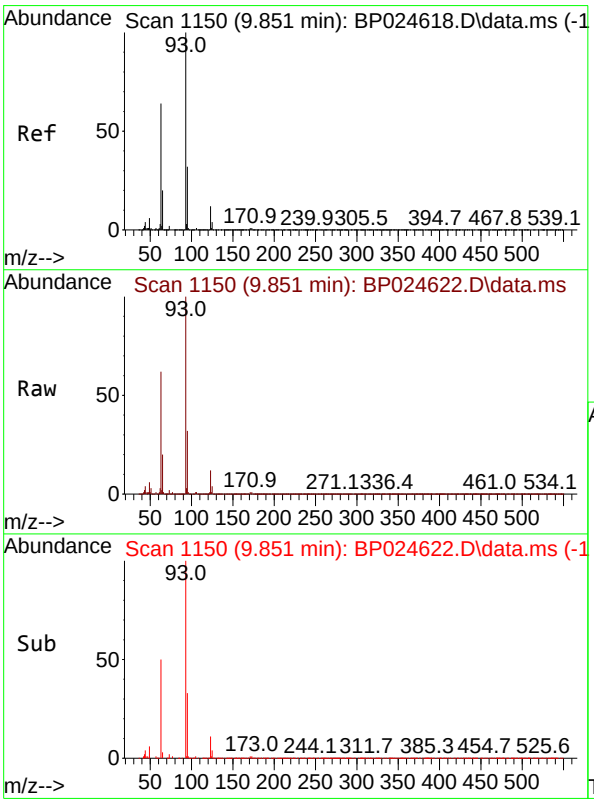

#27
2,4-Dimethylphenol
Concen: 39.484 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:122 Resp: 369418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 120.3 | 96.2 | 144.2 |
| 121 | 58.9 | 47.6 | 71.4 |

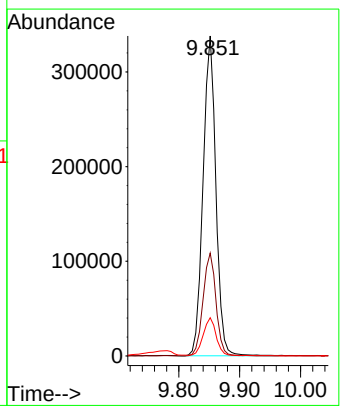


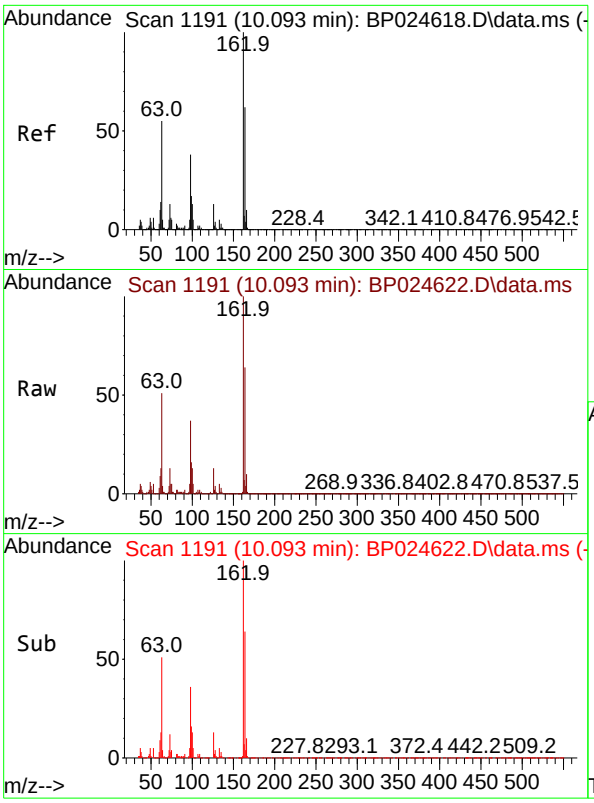




#28
bis(2-Chloroethoxy)methane
Concen: 38.714 ng
RT: 9.851 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 93 Resp: 493722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.1 | 25.5 | 38.3 |
| 123 | 12.0 | 9.7 | 14.5 |



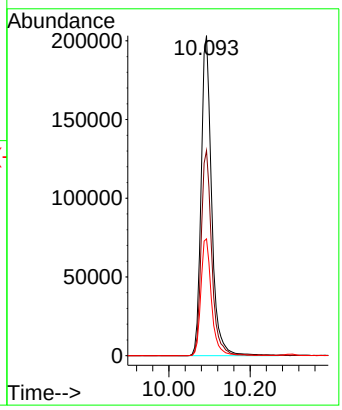


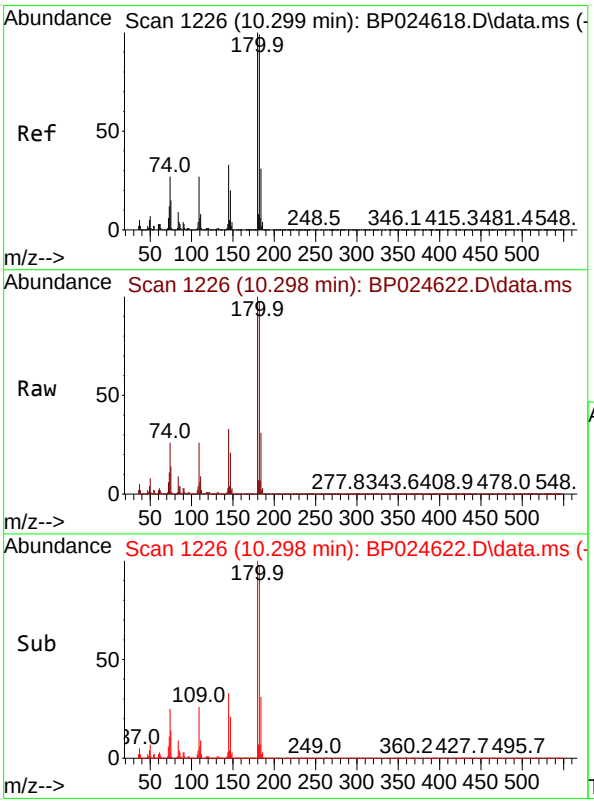

#29
2,4-Dichlorophenol
Concen: 40.189 ng
RT: 10.093 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:162 Resp: 364373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.1 | 42.3 | 82.3 |
| 98 | 36.5 | 18.4 | 58.4 |

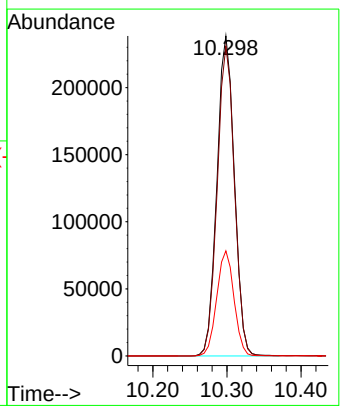


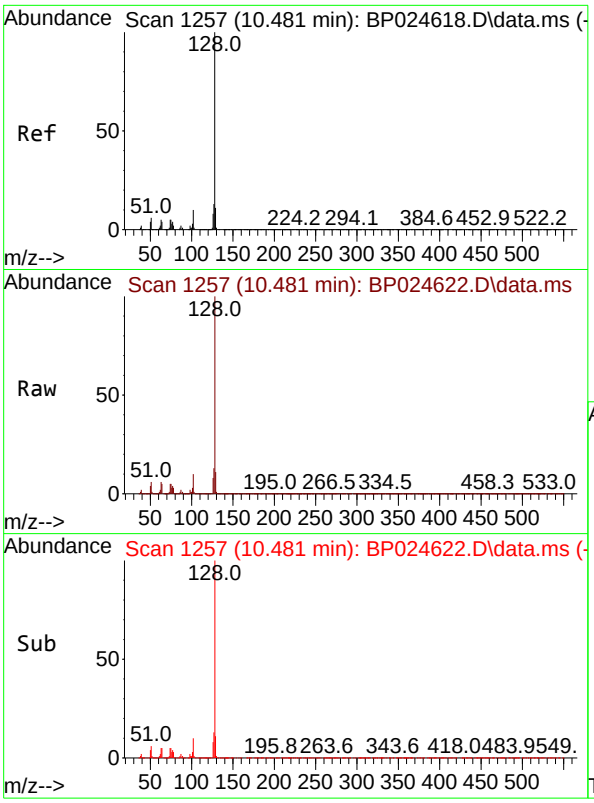




#30
1,2,4-Trichlorobenzene
Concen: 38.109 ng
RT: 10.298 min Scan# 1226
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:180 Resp: 389362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.8 | 79.0 | 118.4 |
| 145 | 32.9 | 26.6 | 39.8 |



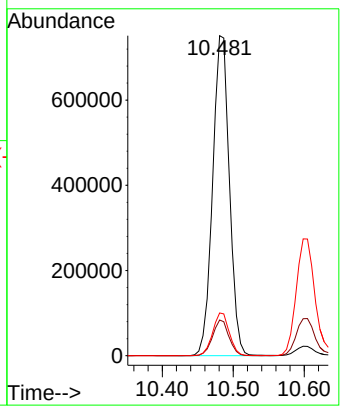


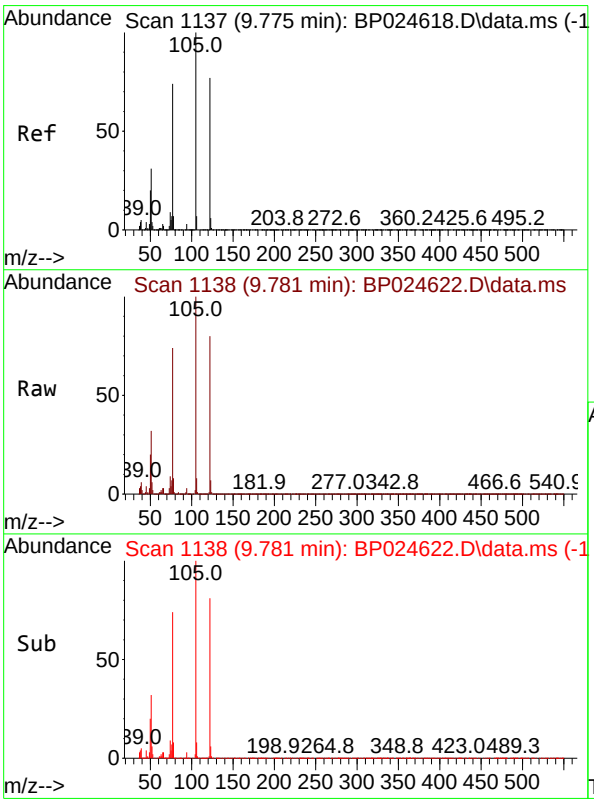

#31
Naphthalene
Concen: 38.069 ng
RT: 10.481 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:128 Resp: 1226624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 8.8 | 13.2 |
| 127 | 13.4 | 10.7 | 16.1 |

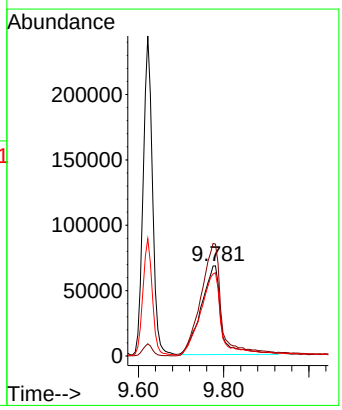


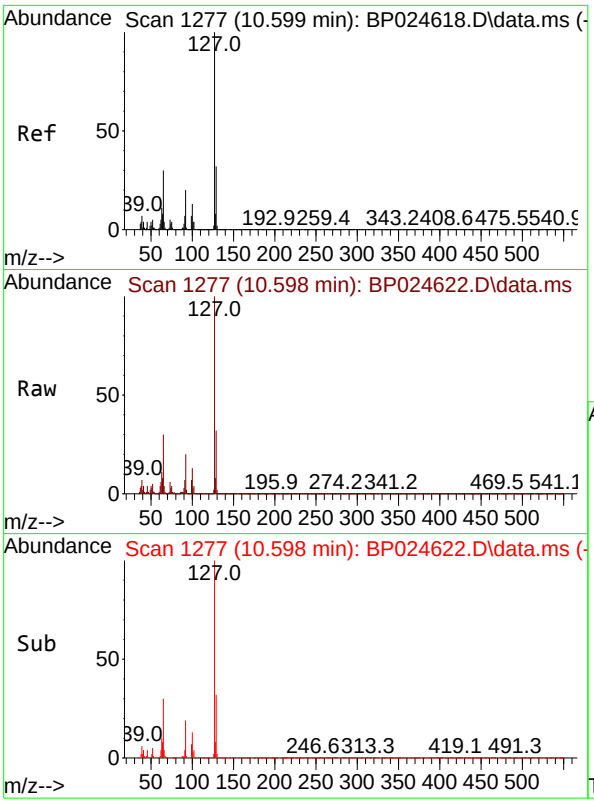




#32
Benzoic acid
Concen: 36.464 ng
RT: 9.781 min Scan# 1138
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:122 Resp: 223660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.2 | 106.9 | 146.9 |
| 77 | 92.5 | 75.1 | 115.1 |



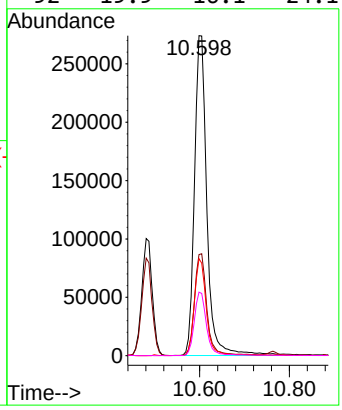


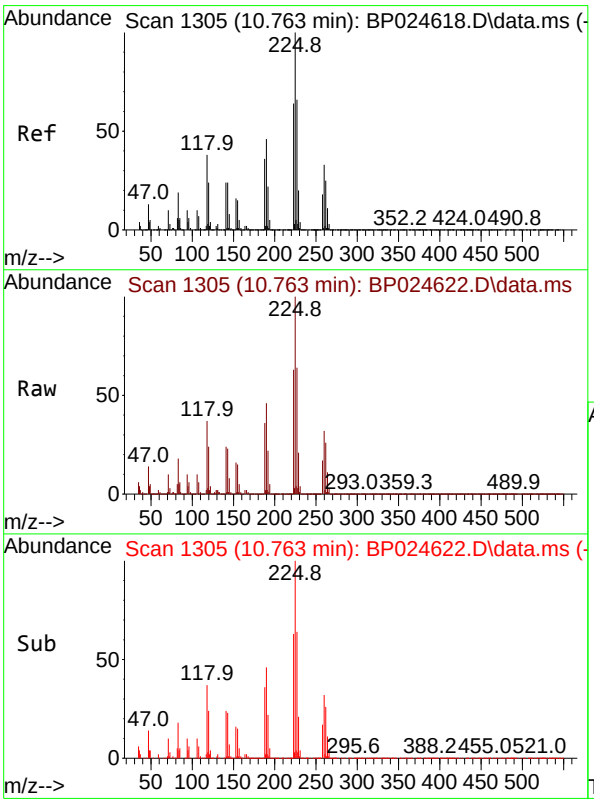

#33
4-Chloroaniline
Concen: 40.368 ng
RT: 10.598 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:127 Resp: 524873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.6 | 25.8 | 38.6 |
| 65 | 30.3 | 23.9 | 35.9 |
| 92 | 19.9 | 16.1 | 24.1 |

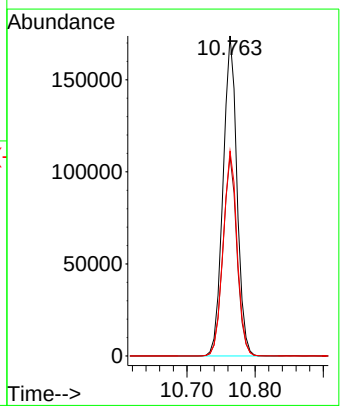


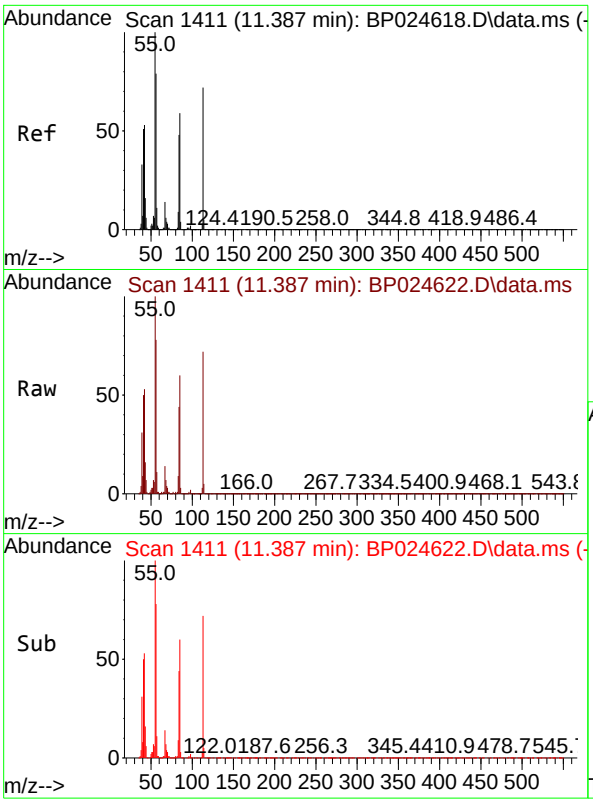




#34
Hexachlorobutadiene
Concen: 37.285 ng
RT: 10.763 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:225 Resp: 246776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.5 | 51.0 | 76.6 |
| 227 | 64.0 | 53.1 | 79.7 |



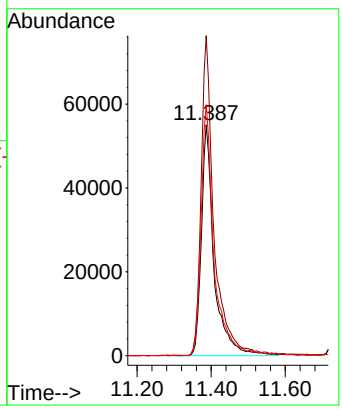


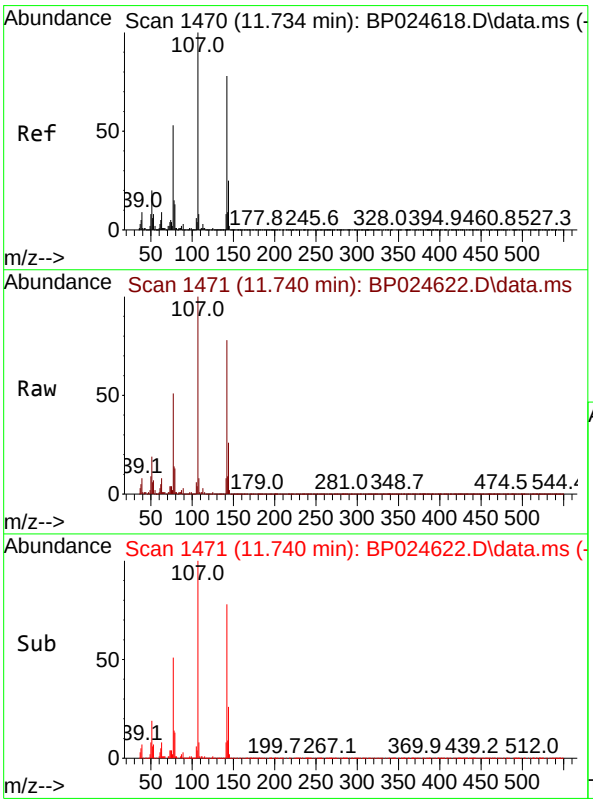

#35
Caprolactam
Concen: 39.752 ng
RT: 11.387 min Scan# 14
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:113 Resp: 130399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 138.6 | 119.0 | 159.0 |
| 56 | 108.8 | 90.3 | 130.3 |

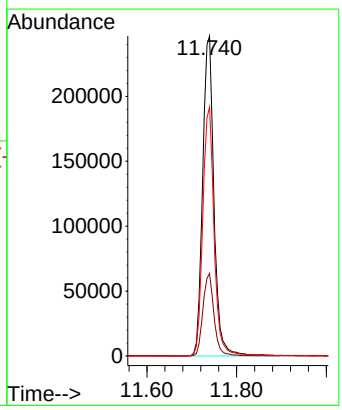


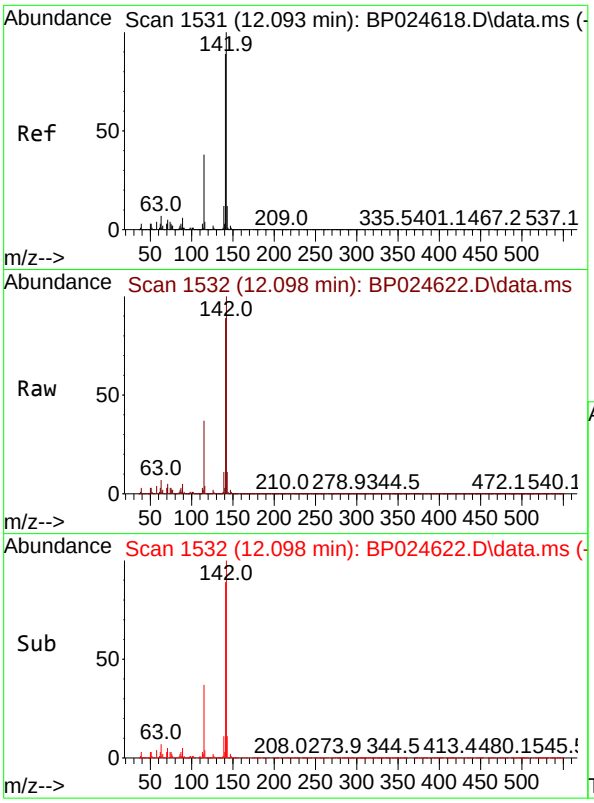




#36
4-Chloro-3-methylphenol
Concen: 39.013 ng
RT: 11.740 min Scan# 1471
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:107 Resp: 431344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.7 | 20.1 | 30.1 |
| 142 | 77.8 | 62.1 | 93.1 |



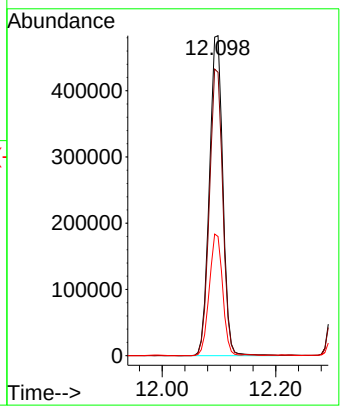


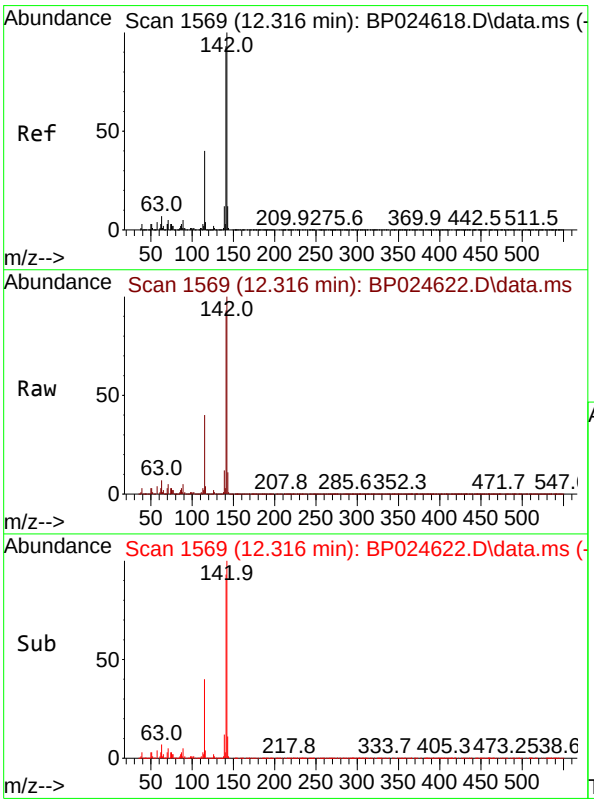

#37
2-Methylnaphthalene
Concen: 37.852 ng
RT: 12.098 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:142 Resp: 789724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.5 | 71.2 | 106.8 |
| 115 | 37.2 | 30.6 | 46.0 |

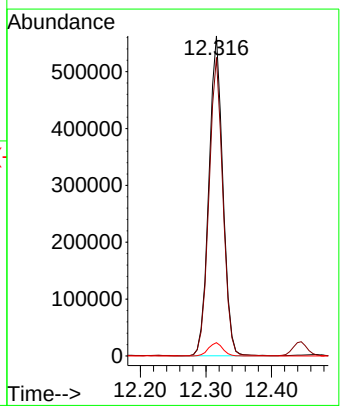


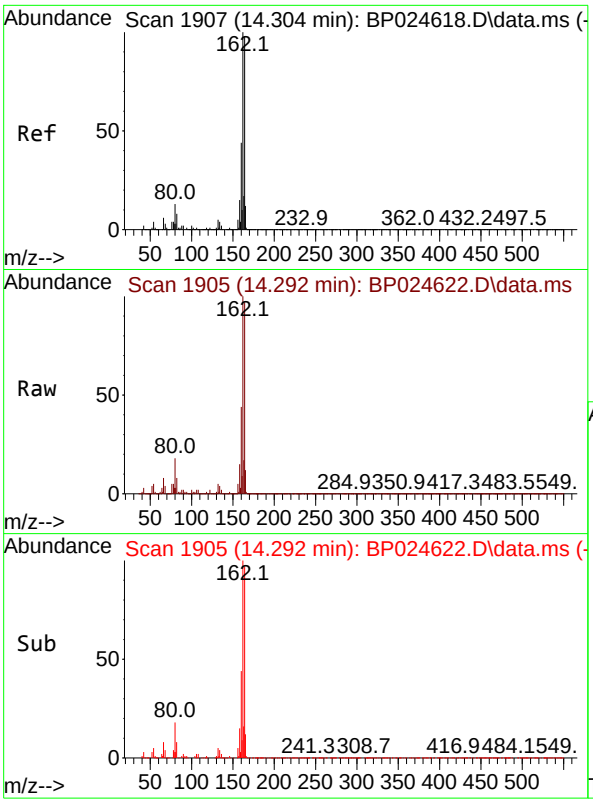




#38
1-Methylnaphthalene
Concen: 37.339 ng
RT: 12.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:142 Resp: 833521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.2 | 74.7 | 112.1 |
| 116 | 4.2 | 3.4 | 5.2 |



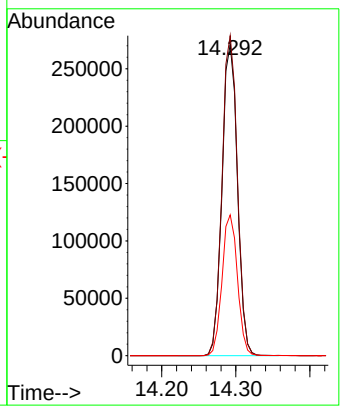


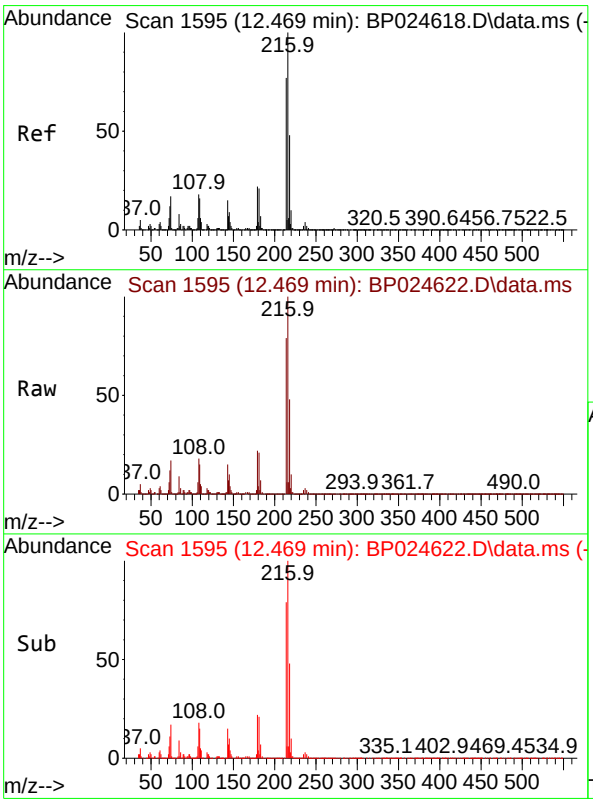

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.292 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:164 Resp: 391112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.8 | 81.8 | 122.6 |
| 160 | 45.2 | 36.3 | 54.5 |

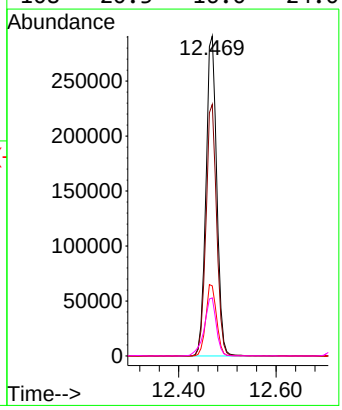


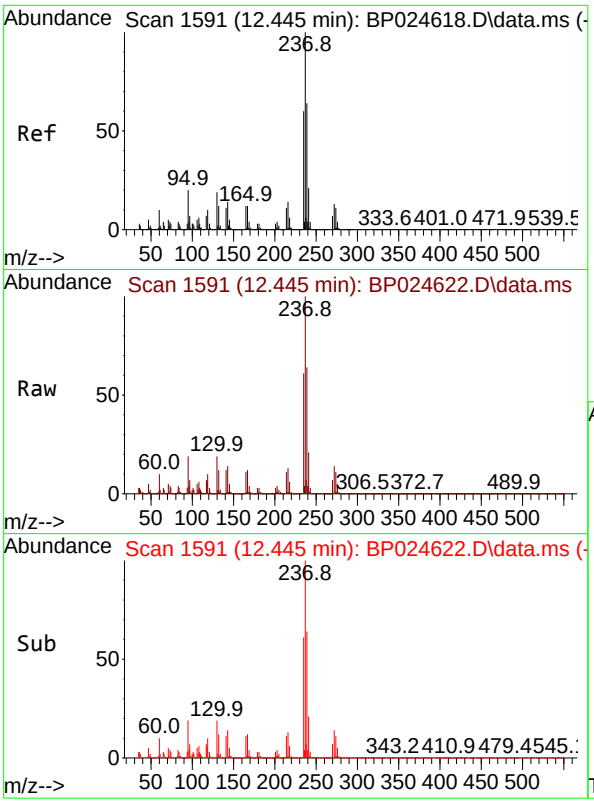




#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.130 ng
RT: 12.469 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:216 Resp: 444420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.0 | 62.3 | 93.5 |
| 179 | 22.2 | 17.7 | 26.5 |
| 108 | 20.3 | 16.0 | 24.0 |



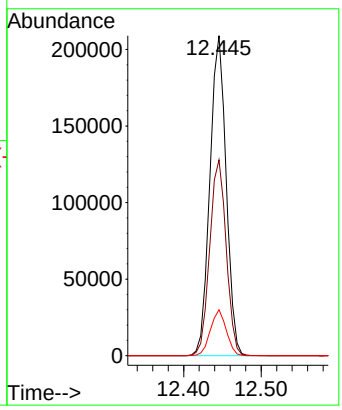


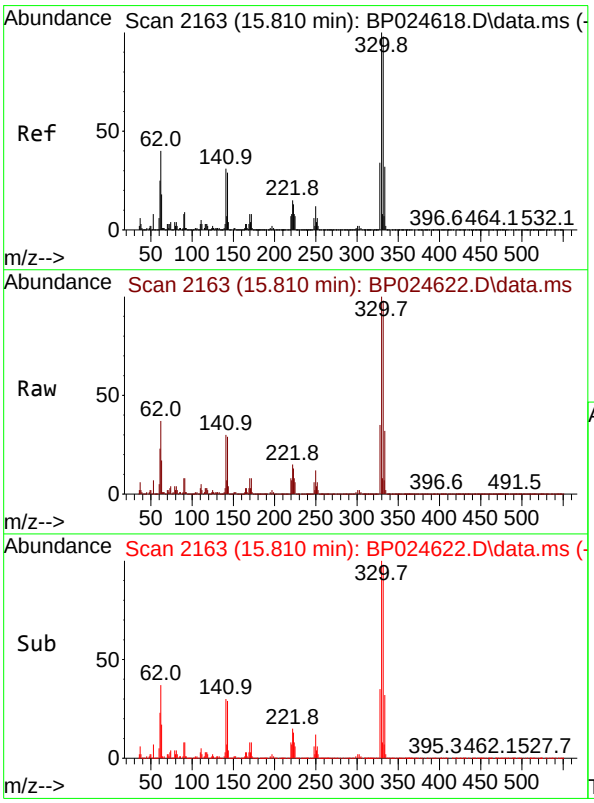

#41
Hexachlorocyclopentadiene
Concen: 44.371 ng
RT: 12.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:237 Resp: 305575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.2 | 39.9 | 79.9 |
| 272 | 14.3 | 0.0 | 33.2 |

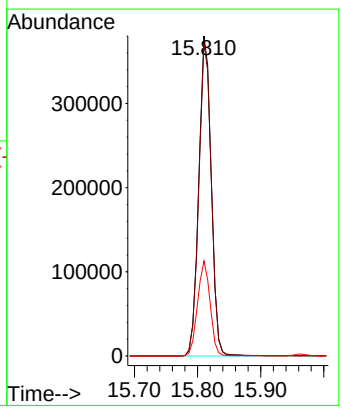


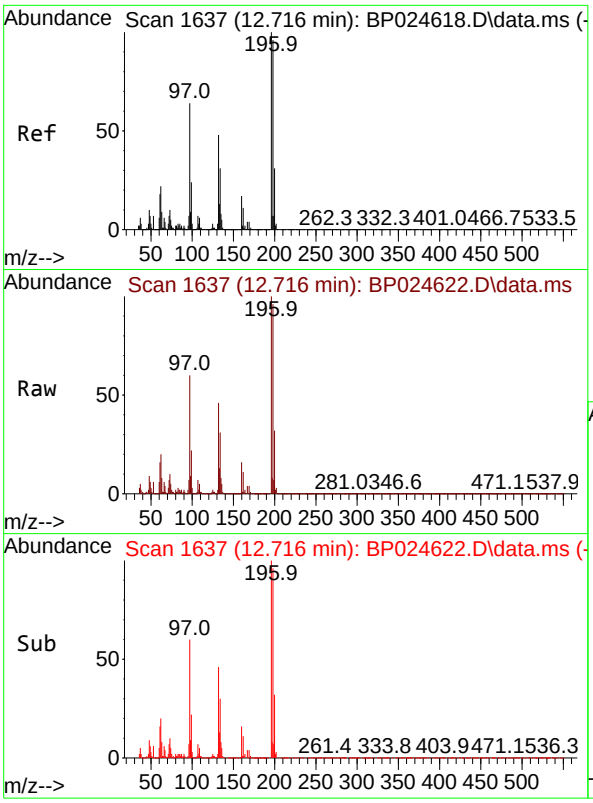




#42
2,4,6-Tribromophenol
Concen: 78.525 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:330 Resp: 520660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.2 | 78.2 | 117.4 |
| 141 | 29.8 | 24.3 | 36.5 |



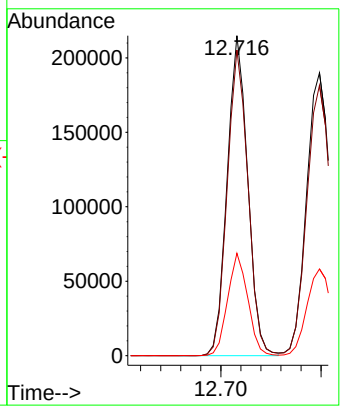


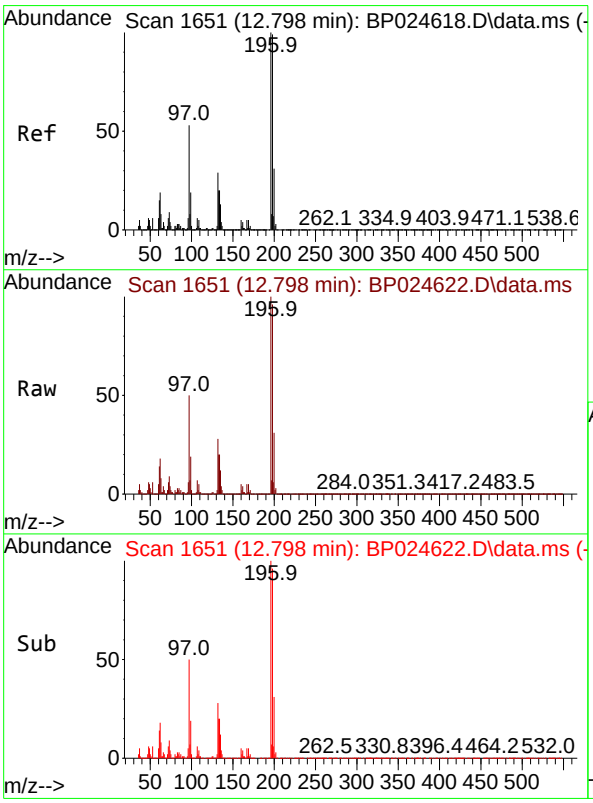

#43
2,4,6-Trichlorophenol
Concen: 41.549 ng
RT: 12.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:196 Resp: 305651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.5 | 76.9 | 115.3 |
| 200 | 32.0 | 25.2 | 37.8 |

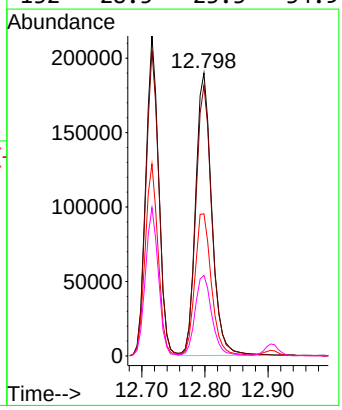


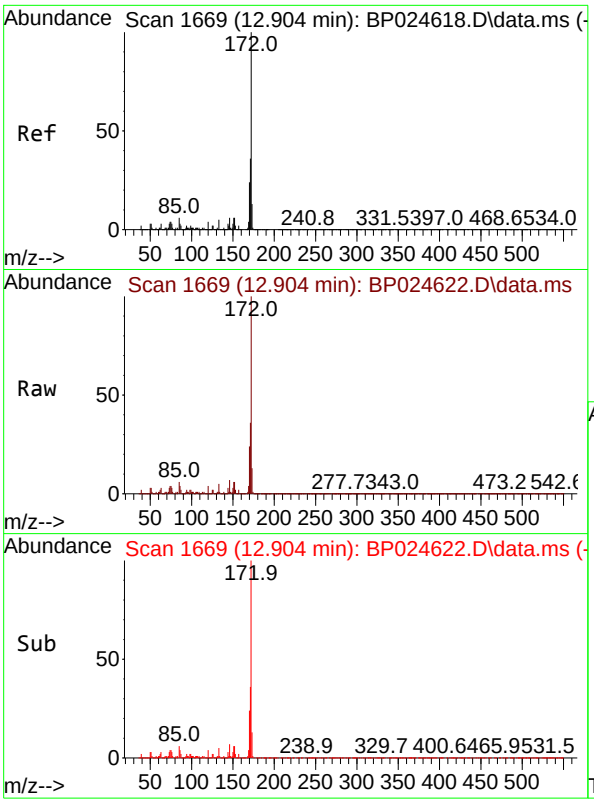




#44
2,4,5-Trichlorophenol
Concen: 41.064 ng
RT: 12.798 min Scan# 1651
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:196 Resp: 336252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.6 | 79.2 | 118.8 |
| 97 | 50.2 | 42.3 | 63.5 |
| 132 | 28.5 | 23.3 | 34.9 |



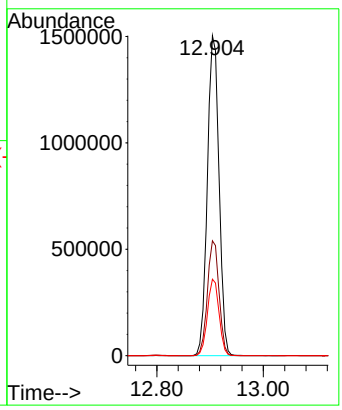


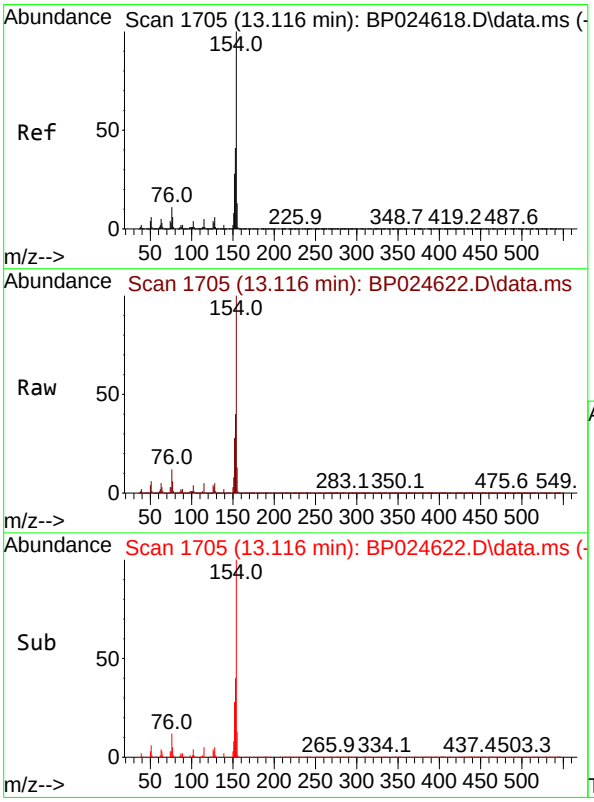

#45
2-Fluorobiphenyl
Concen: 76.733 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:172 Resp: 2290715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.9 | 28.8 | 43.2 |
| 170 | 23.9 | 18.8 | 28.2 |

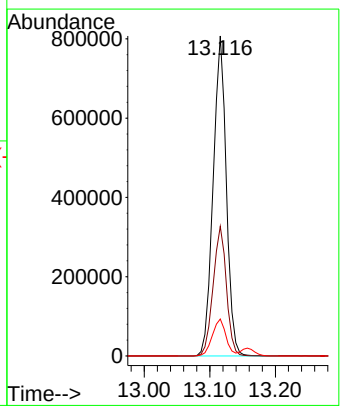


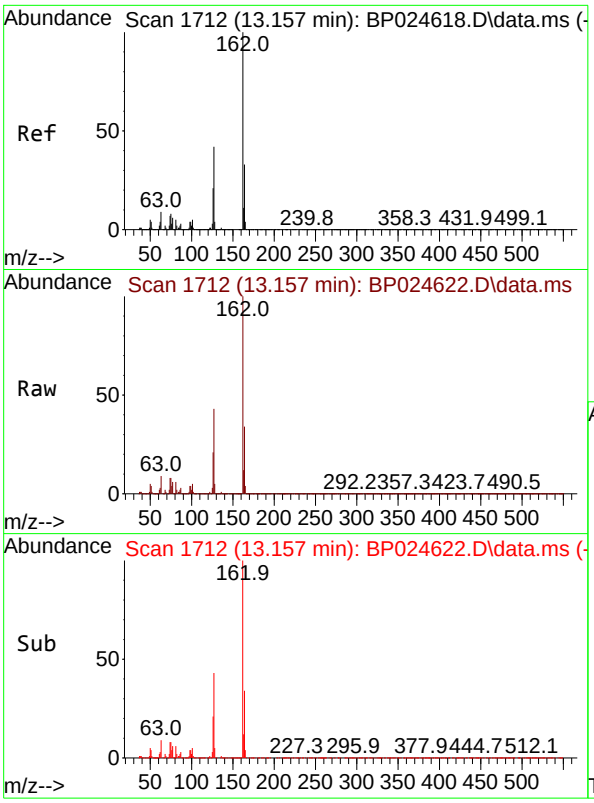




#46
1,1'-Biphenyl
Concen: 38.906 ng
RT: 13.116 min Scan# 1705
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:154 Resp: 1124669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.5 | 21.0 | 61.0 |
| 76 | 11.5 | 0.0 | 31.5 |



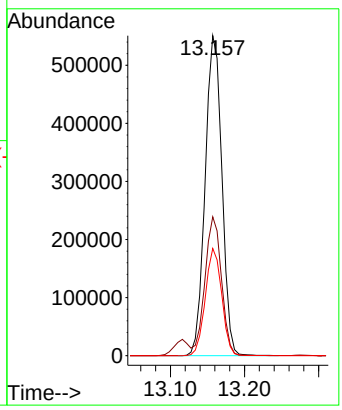


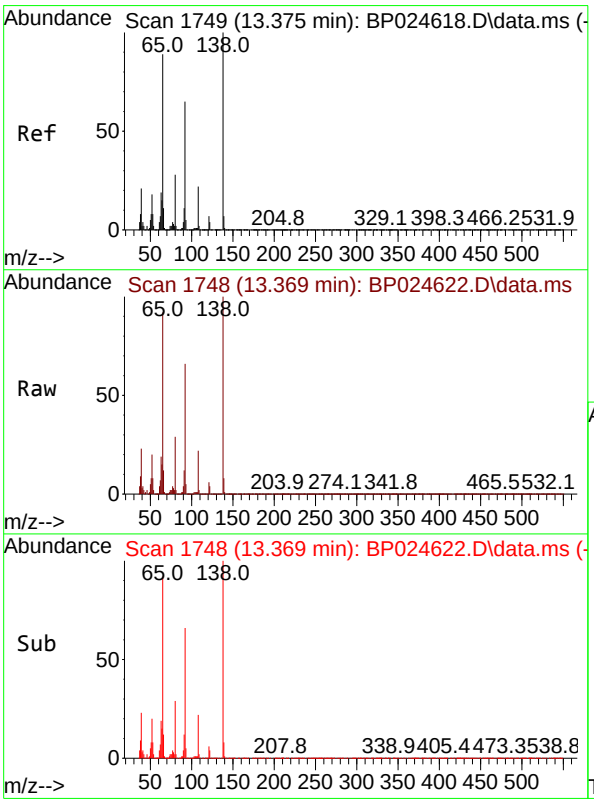

#47
2-Chloronaphthalene
Concen: 39.238 ng
RT: 13.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:162 Resp: 864853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.4 | 33.8 | 50.6 |
| 164 | 33.5 | 26.0 | 39.0 |

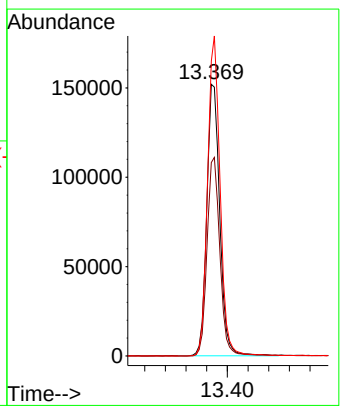


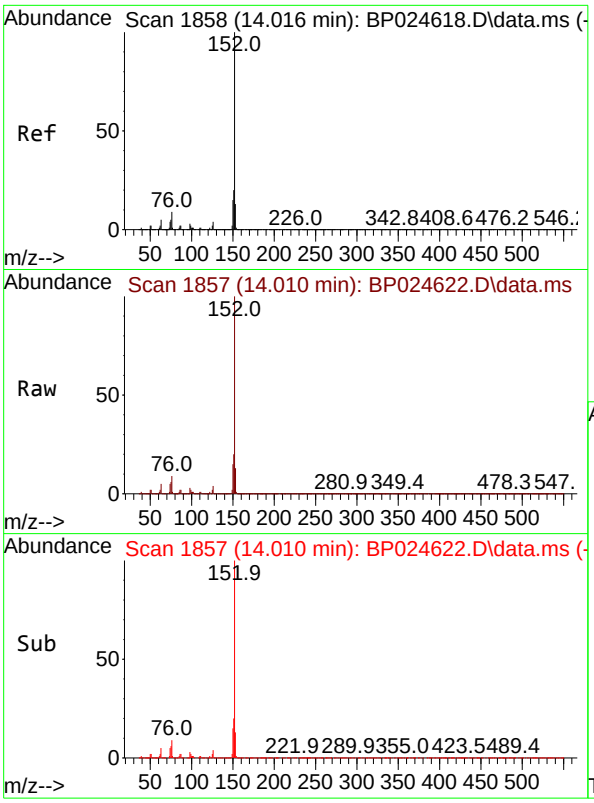




#48
2-Nitroaniline
Concen: 40.604 ng
RT: 13.369 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion: 65 Resp: 264965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 71.2 | 58.7 | 88.1 |
| 138 | 108.5 | 90.2 | 135.2 |



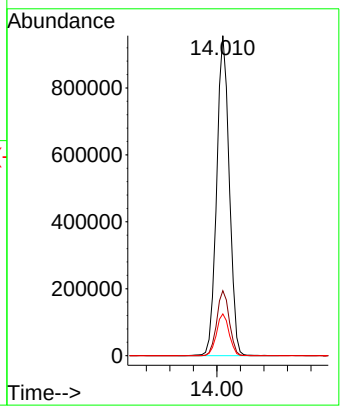


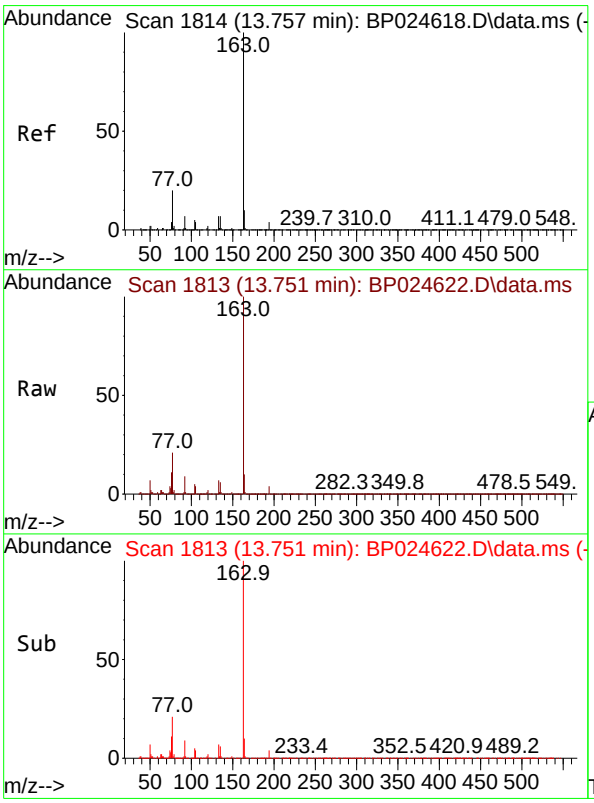

#49
Acenaphthylene
Concen: 38.493 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:152 Resp: 1419821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.2 | 24.4 |
| 153 | 13.0 | 10.2 | 15.4 |

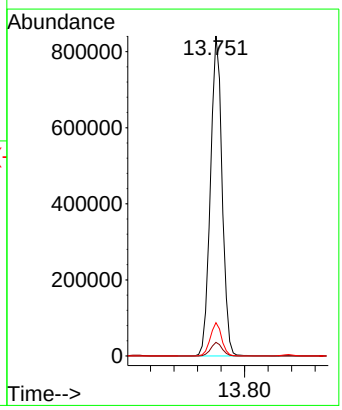


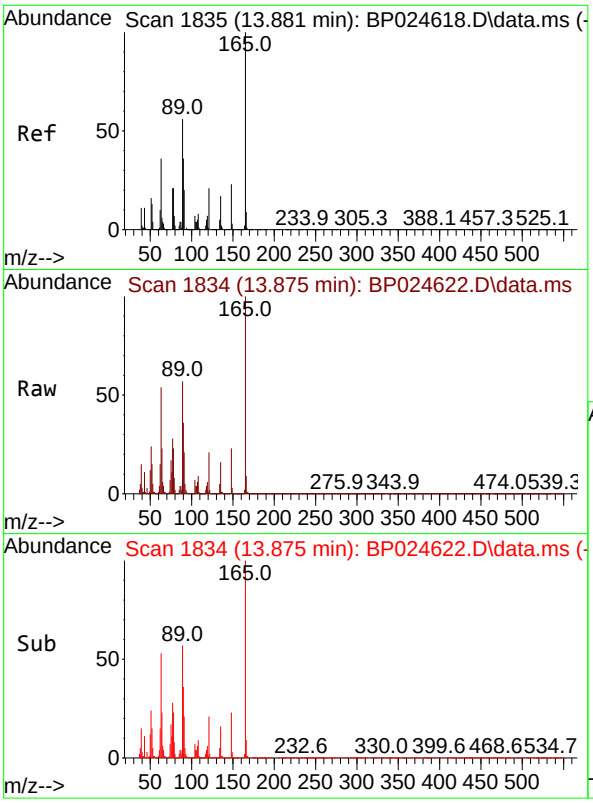




#50
Dimethylphthalate
Concen: 38.751 ng
RT: 13.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:163 Resp: 1155211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.4 | 5.0 |
| 164 | 10.4 | 8.1 | 12.1 |



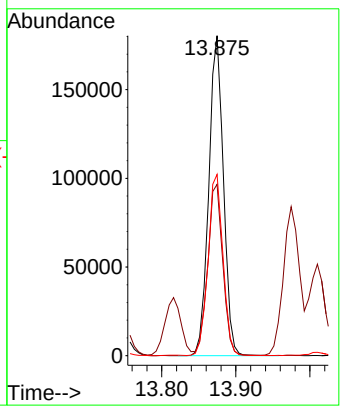


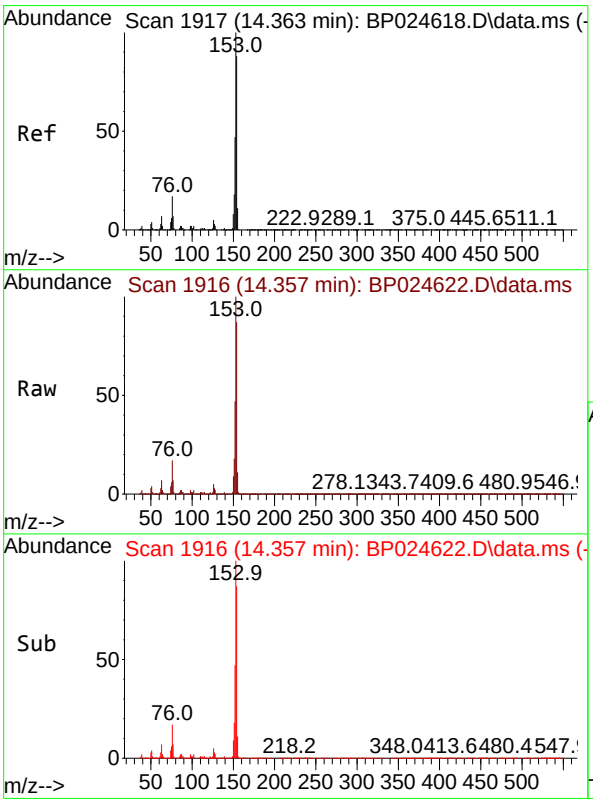

#51
2,6-Dinitrotoluene
Concen: 39.317 ng
RT: 13.875 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:165 Resp: 247537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 53.5 | 42.4 | 63.6 |
| 89 | 56.6 | 44.8 | 67.2 |

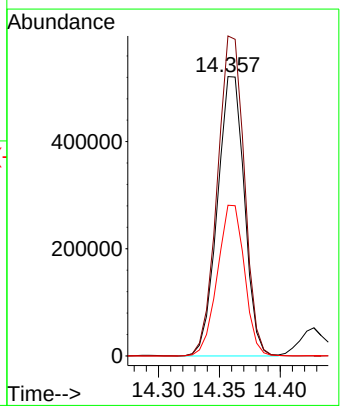


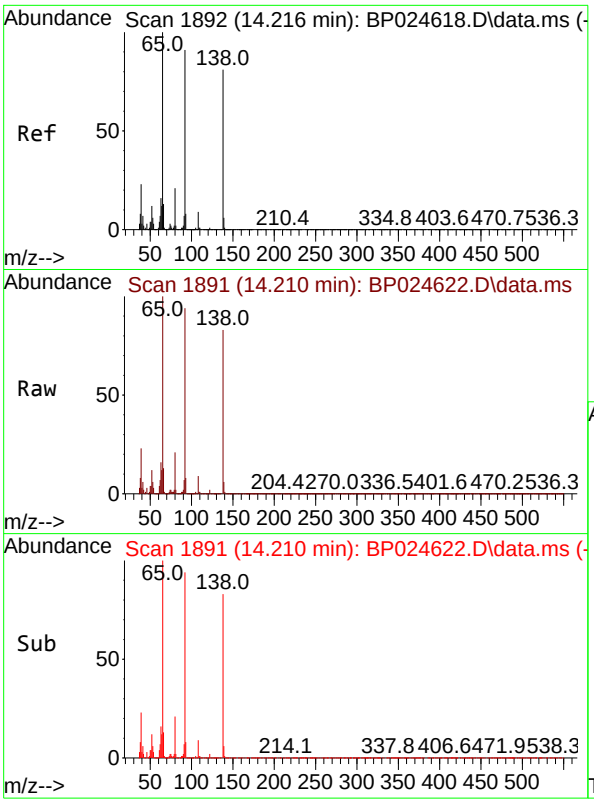




#52
Acenaphthene
Concen: 37.904 ng
RT: 14.357 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:154 Resp: 803755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 114.5 | 91.0 | 136.4 |
| 152 | 54.0 | 42.9 | 64.3 |



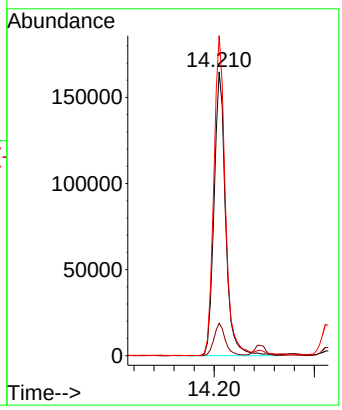


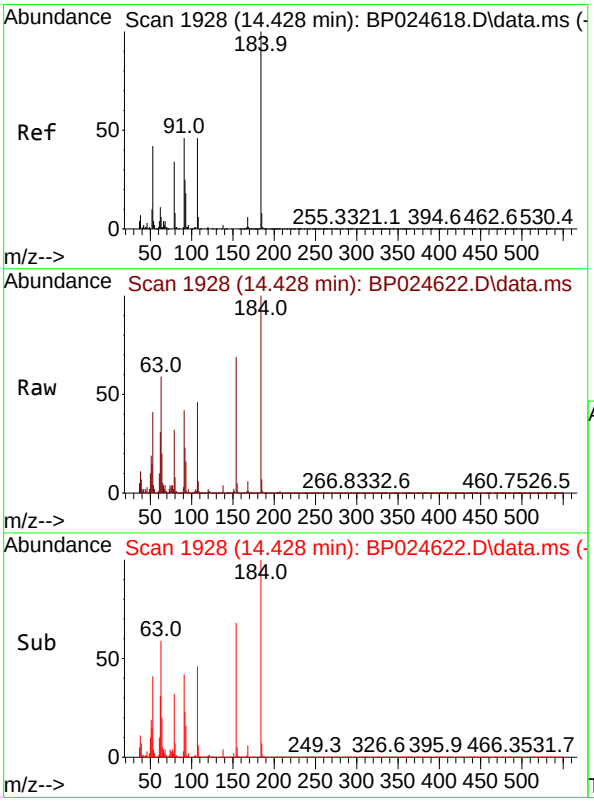

#53
3-Nitroaniline
Concen: 40.871 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:138 Resp: 262737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.4 | 9.0 | 13.4 |
| 92 | 112.7 | 90.1 | 135.1 |

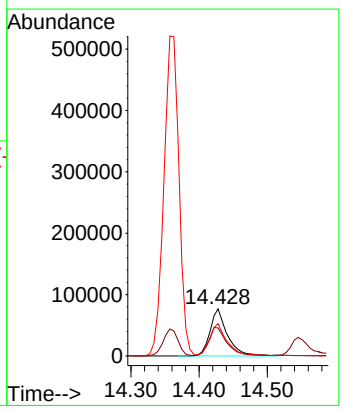


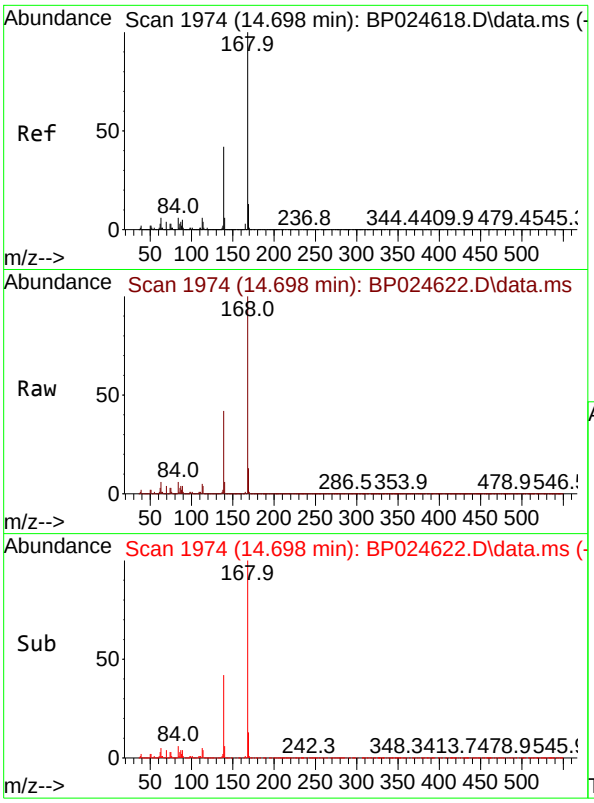




#54
2,4-Dinitrophenol
Concen: 37.829 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:184 Resp: 135624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 59.3 | 51.3 | 76.9 |
| 154 | 68.5 | 53.5 | 80.3 |



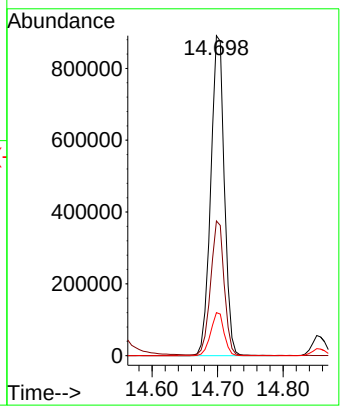


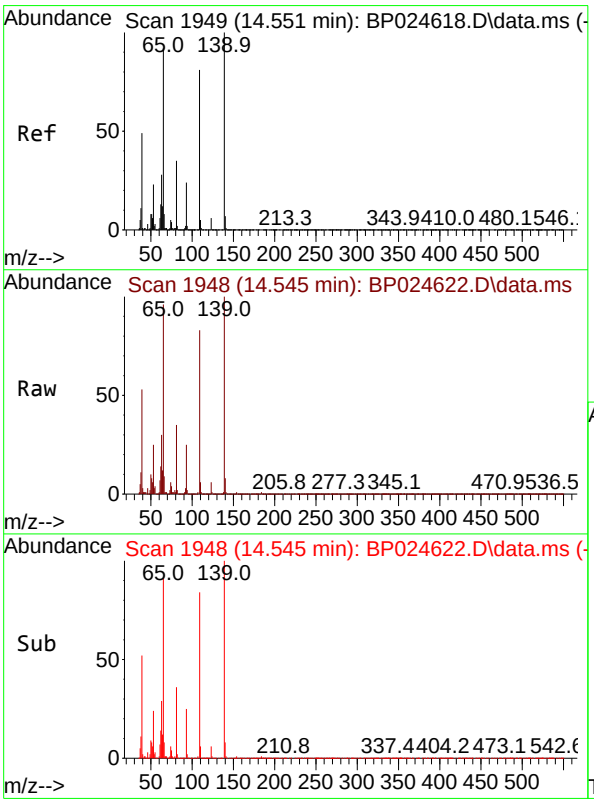

#55
Dibenzofuran
Concen: 37.910 ng
RT: 14.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:168 Resp: 1282228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 42.1 | 34.2 | 51.4 |
| 169 | 13.5 | 10.8 | 16.2 |

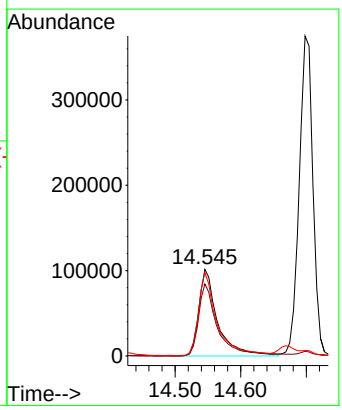


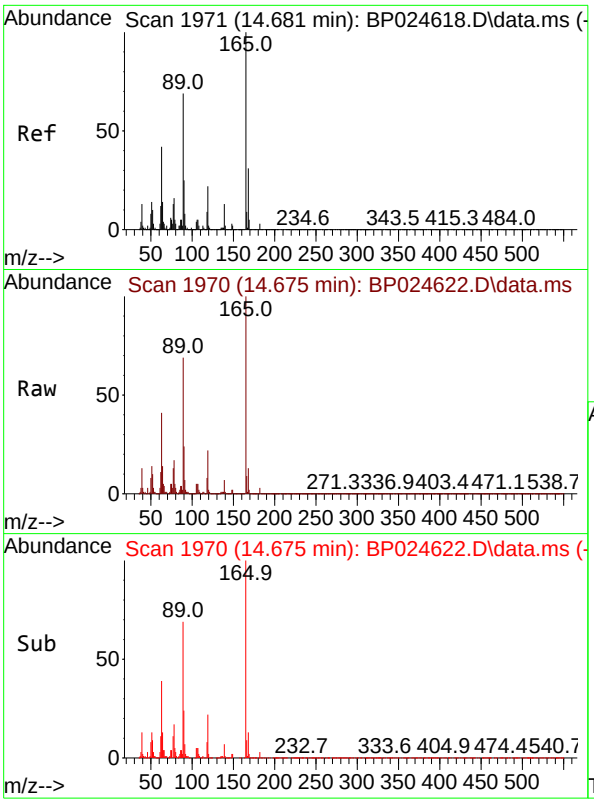




#56
4-Nitrophenol
Concen: 38.698 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:139 Resp: 202528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 83.2 | 61.4 | 101.4 |
| 65 | 96.3 | 72.2 | 112.2 |



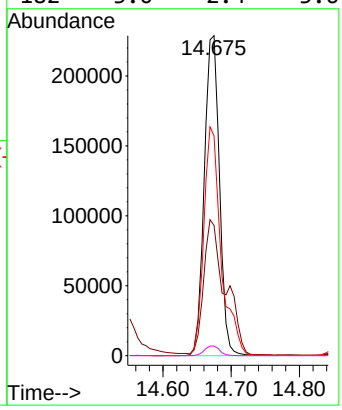


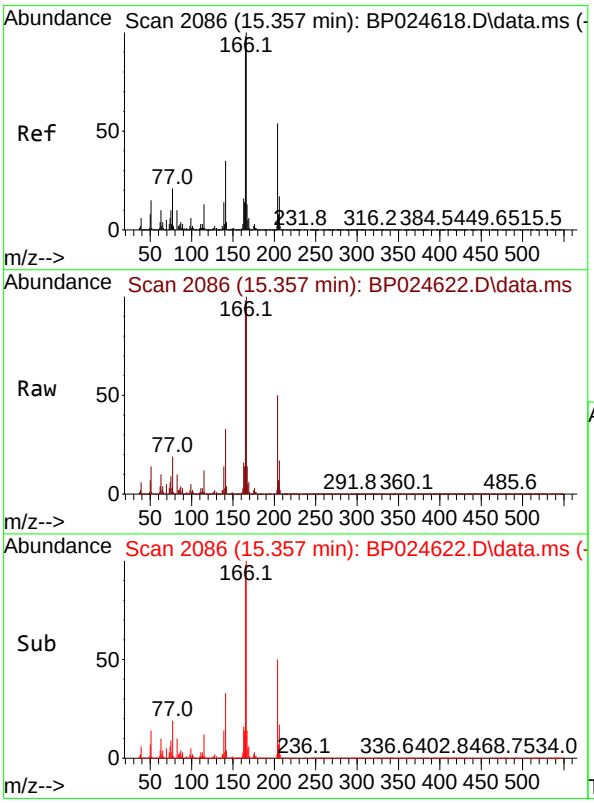

#57
2,4-Dinitrotoluene
Concen: 39.975 ng
RT: 14.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:165 Resp: 354817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 40.7 | 33.8 | 50.6 |
| 89 | 68.7 | 55.6 | 83.4 |
| 182 | 3.0 | 2.4 | 3.6 |

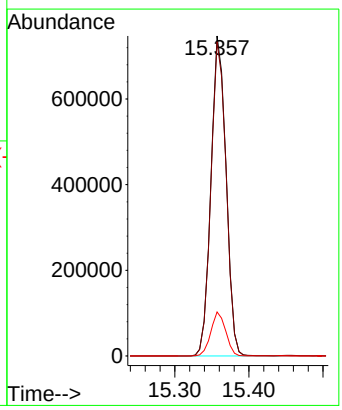


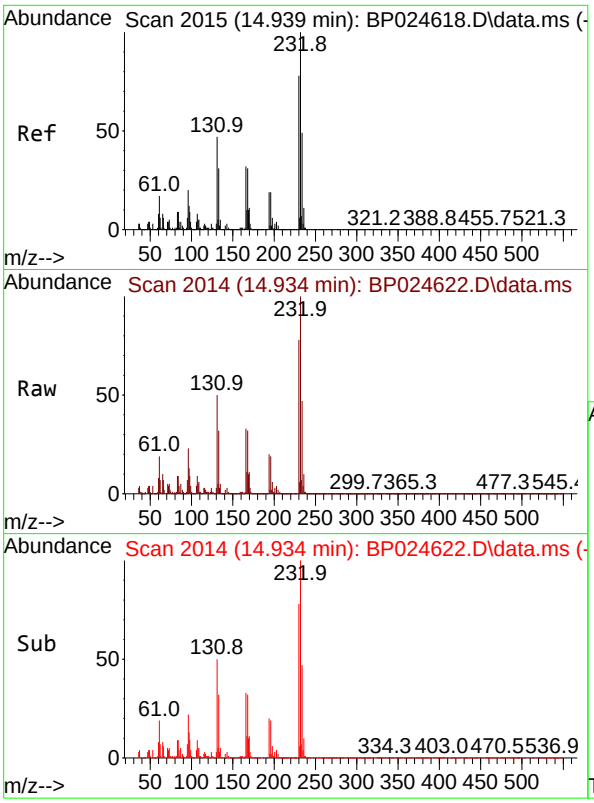




#58
Fluorene
Concen: 38.422 ng
RT: 15.357 min Scan# 2086
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:166 Resp: 1059642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.2 | 78.5 | 117.7 |
| 167 | 13.8 | 10.7 | 16.1 |



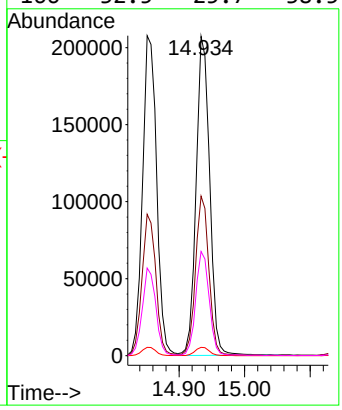


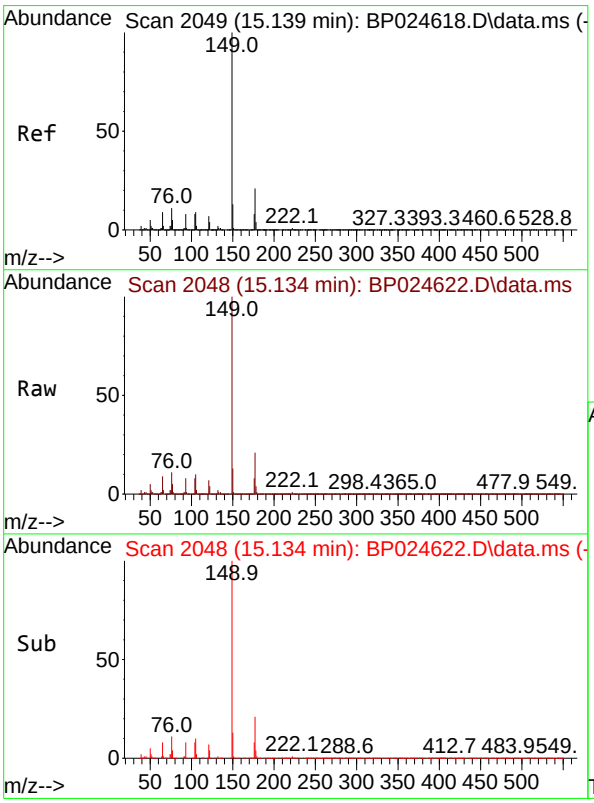

#59
2,3,4,6-Tetrachlorophenol
Concen: 39.274 ng
RT: 14.934 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:232 Resp: 298327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 48.9 | 39.5 | 59.3 |
| 130 | 2.8 | 2.2 | 3.4 |
| 166 | 32.5 | 25.7 | 38.5 |

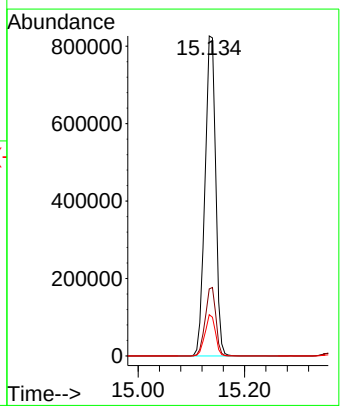


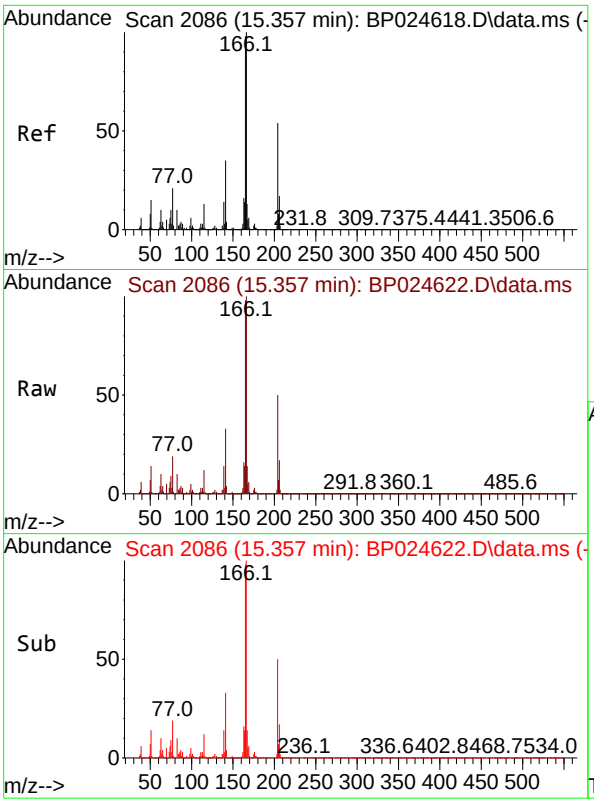




#60
Diethylphthalate
Concen: 38.171 ng
RT: 15.134 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:149 Resp: 1150091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.0 | 16.7 | 25.1 |
| 150 | 12.9 | 10.2 | 15.2 |



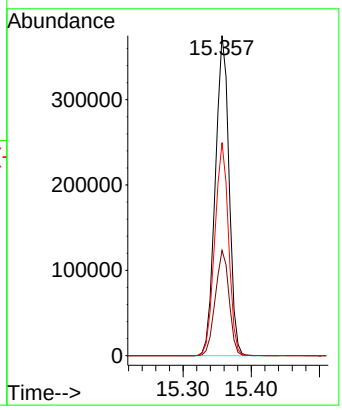


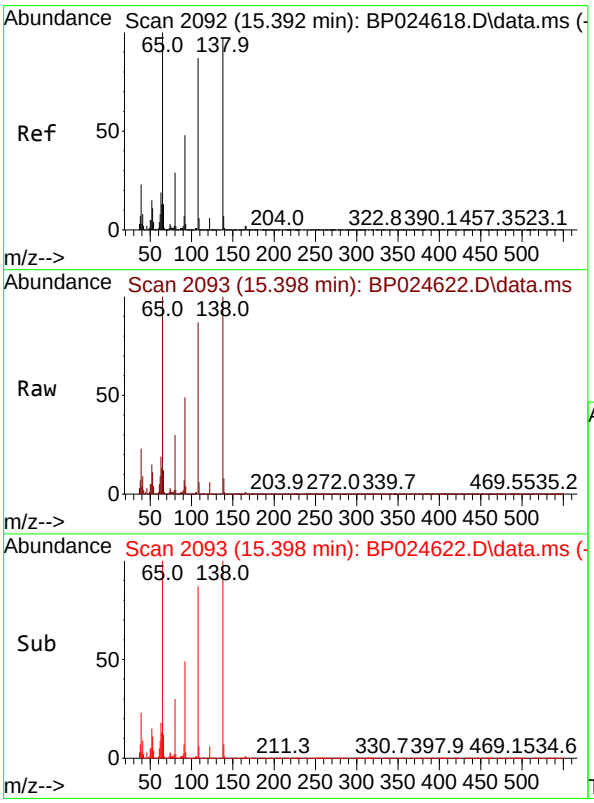

#61
4-Chlorophenyl-phenylether
Concen: 38.249 ng
RT: 15.357 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:204 Resp: 526066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.9 | 26.0 | 39.0 |
| 141 | 66.6 | 52.9 | 79.3 |

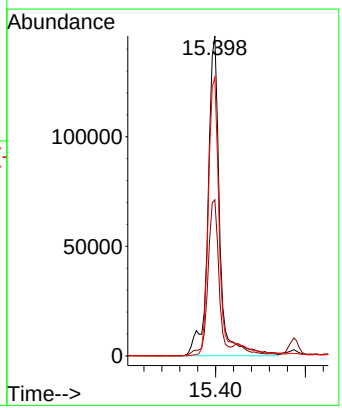


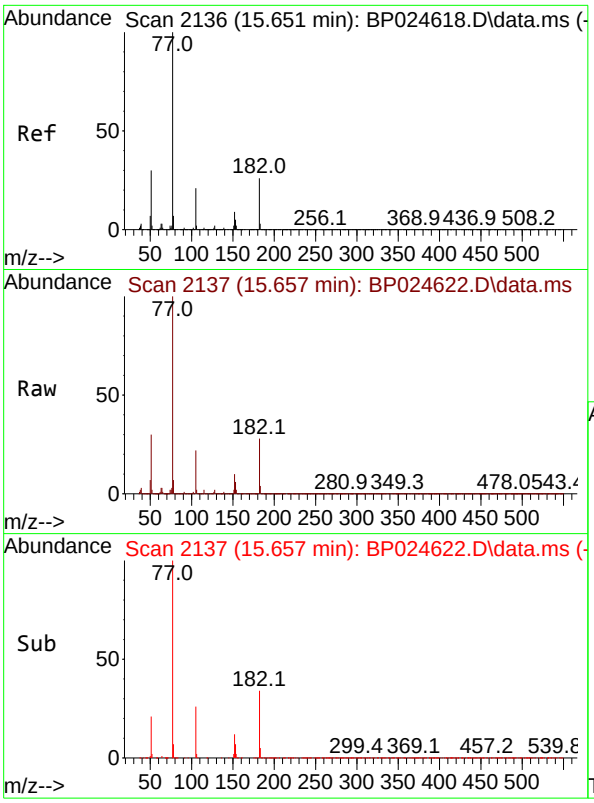




#62
4-Nitroaniline
Concen: 42.722 ng
RT: 15.398 min Scan# 2093
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:138 Resp: 265185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 48.8 | 29.2 | 69.2 |
| 108 | 87.1 | 69.0 | 109.0 |



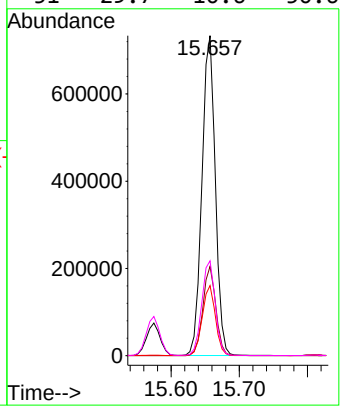


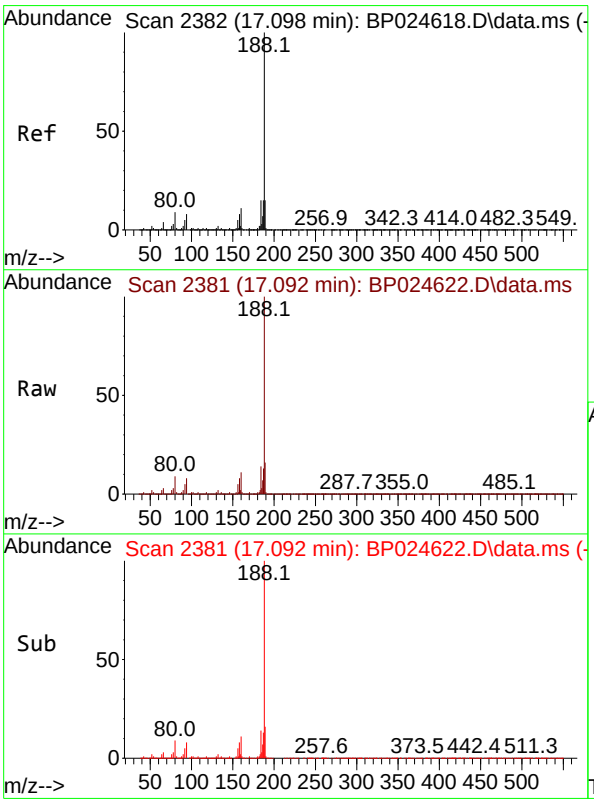

#63
Azobenzene
Concen: 38.822 ng
RT: 15.657 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion: 77 Resp: 1000653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 27.9 | 5.7 | 45.7 |
| 105 | 21.9 | 1.3 | 41.3 |
| 51 | 29.7 | 10.6 | 50.6 |

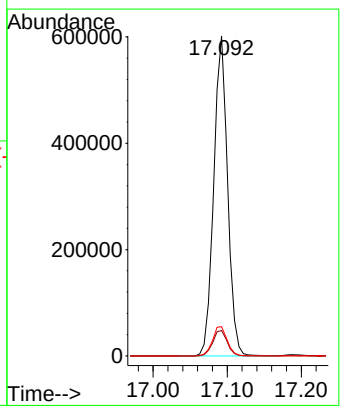


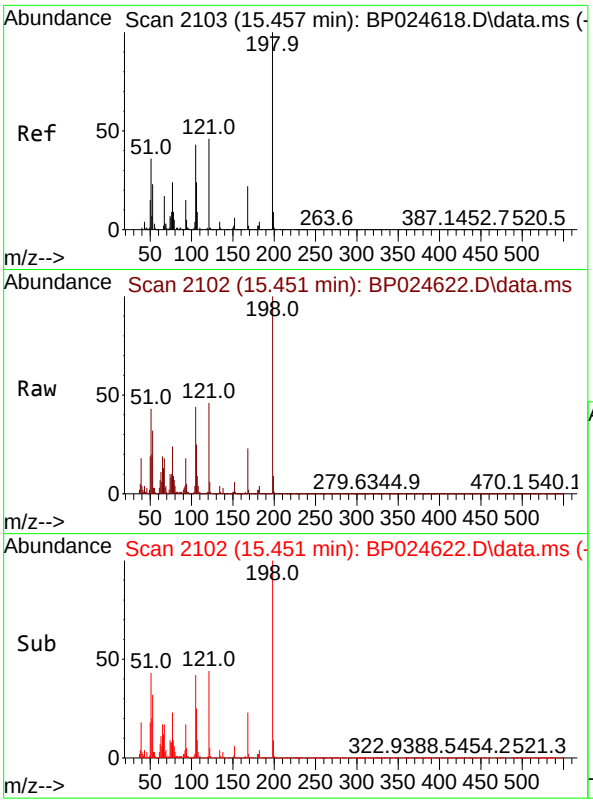




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.092 min Scan# 2381
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:188 Resp: 780511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.0 | 6.5 | 9.7 |
| 80 | 9.2 | 7.3 | 10.9 |



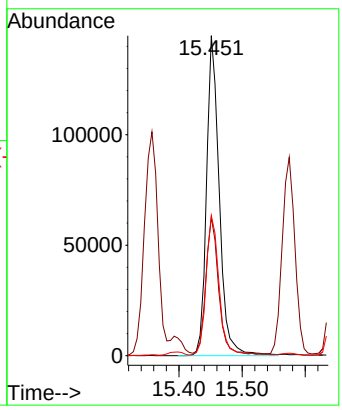


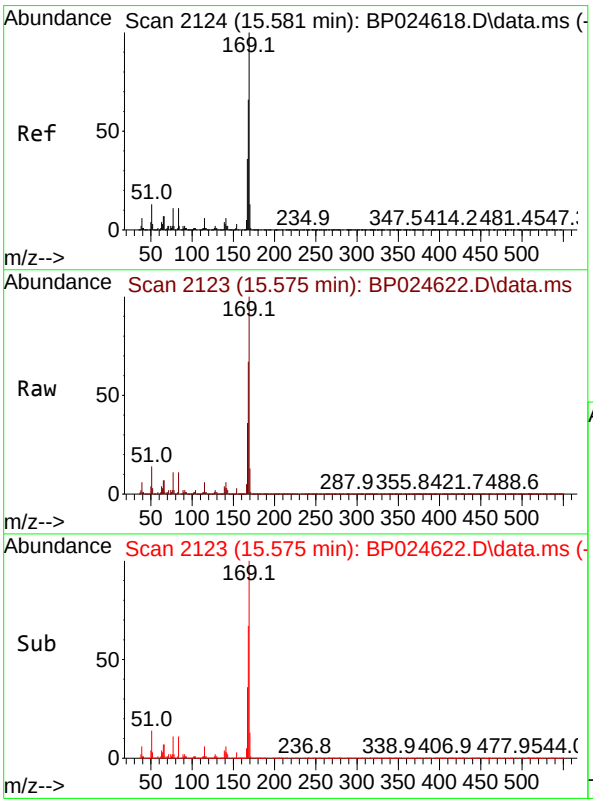

#65
4,6-Dinitro-2-methylphenol
Concen: 40.305 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:198 Resp: 203200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 43.2 | 21.1 | 61.1 |
| 105 | 43.8 | 23.6 | 63.6 |

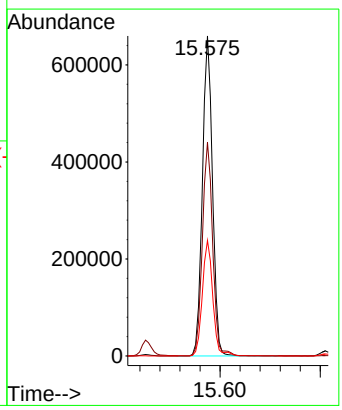


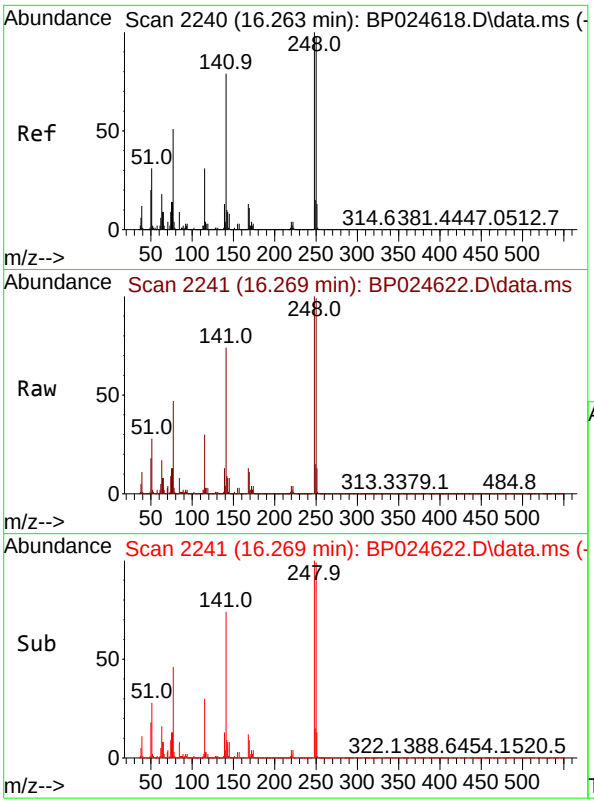




#66
n-Nitrosodiphenylamine
Concen: 38.382 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:169 Resp: 920187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.7 | 53.2 | 79.8 |
| 167 | 36.1 | 28.6 | 43.0 |



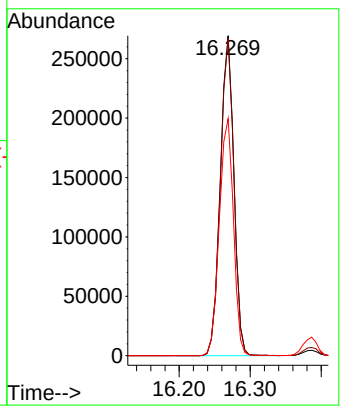


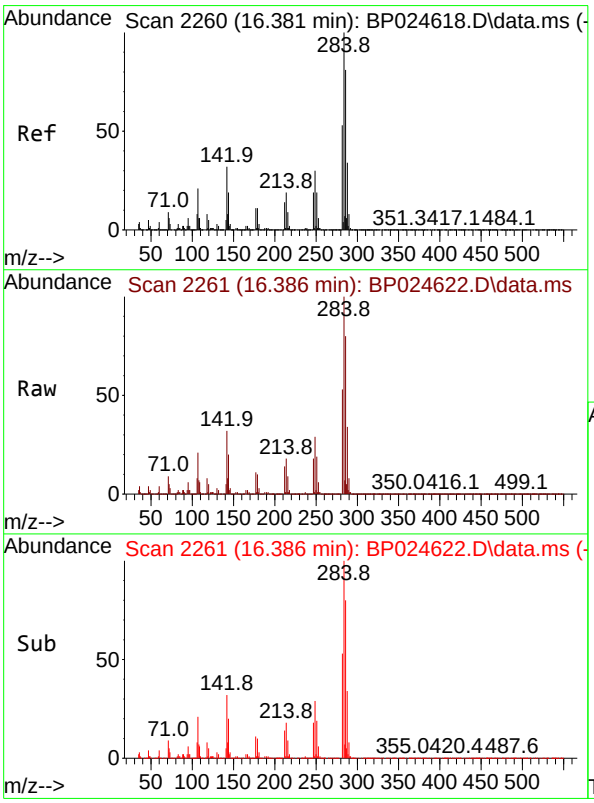

#67
4-Bromophenyl-phenylether
Concen: 38.909 ng
RT: 16.269 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:248 Resp: 357846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 99.3 | 78.2 | 117.4 |
| 141 | 74.1 | 63.0 | 94.6 |

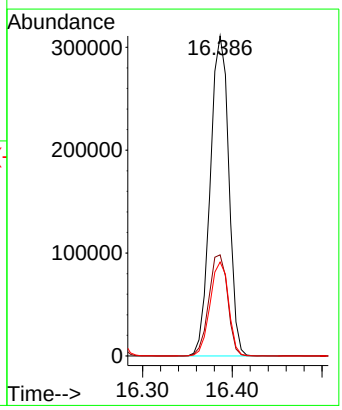


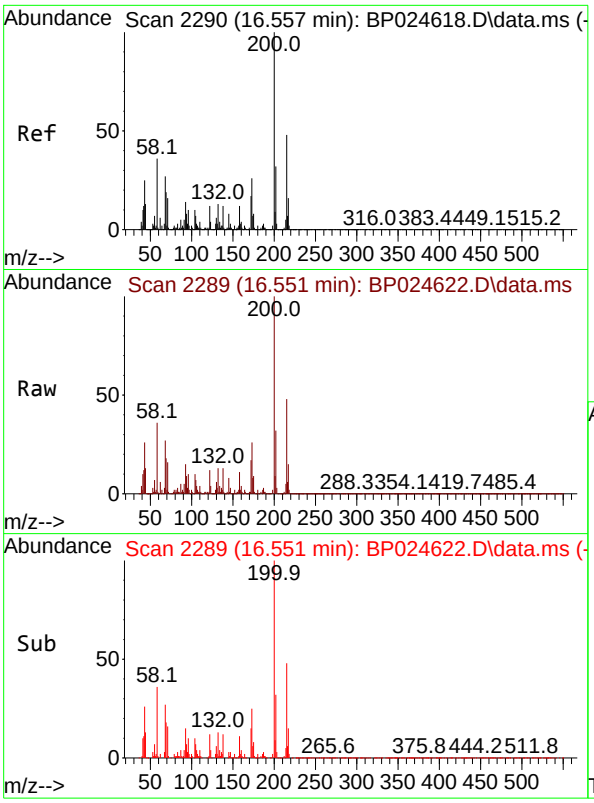




#68
Hexachlorobenzene
Concen: 38.175 ng
RT: 16.386 min Scan# 2261
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:284 Resp: 446142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.6 | 25.9 | 38.9 |
| 249 | 29.3 | 24.1 | 36.1 |



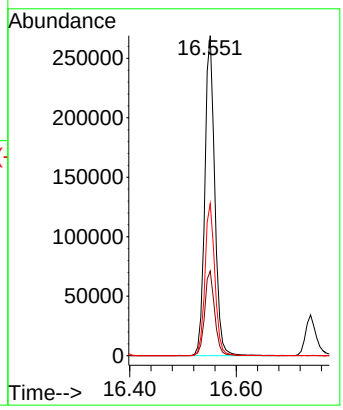


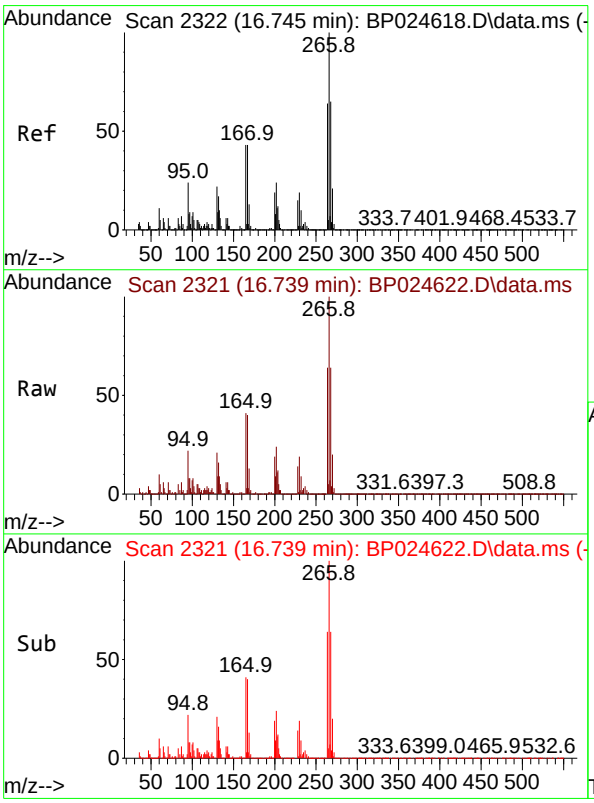

#69
Atrazine
Concen: 39.570 ng
RT: 16.551 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:200 Resp: 347661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.4 | 5.9 | 45.9 |
| 215 | 47.6 | 28.3 | 68.3 |

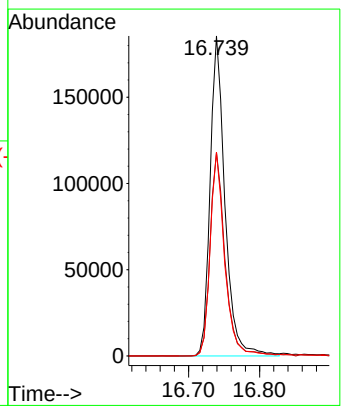


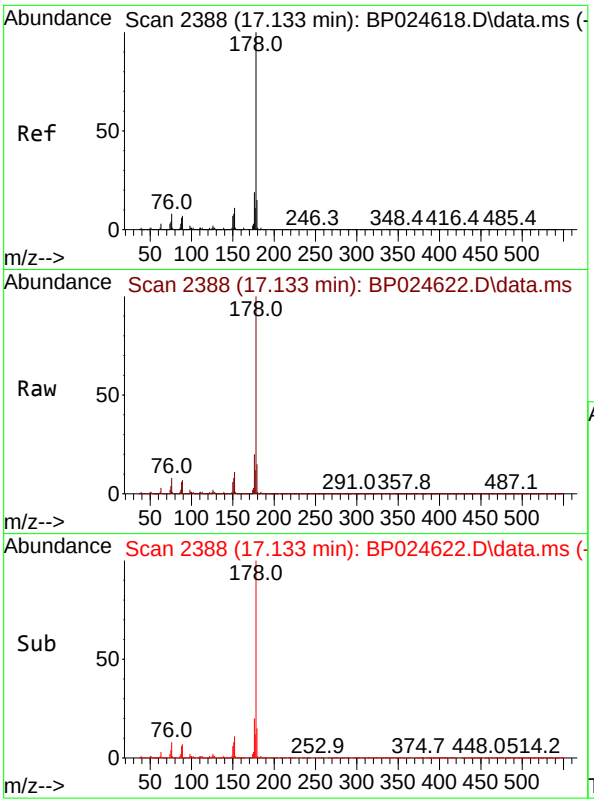




#70
Pentachlorophenol
Concen: 41.124 ng
RT: 16.739 min Scan# 2321
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:266 Resp: 269781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.7 | 52.2 | 78.4 |
| 264 | 63.6 | 51.1 | 76.7 |



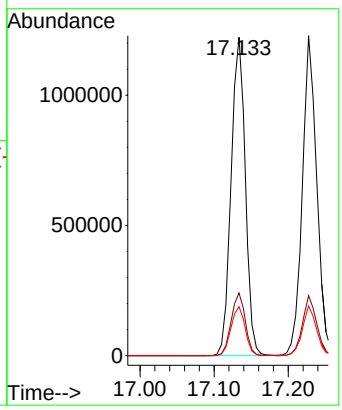


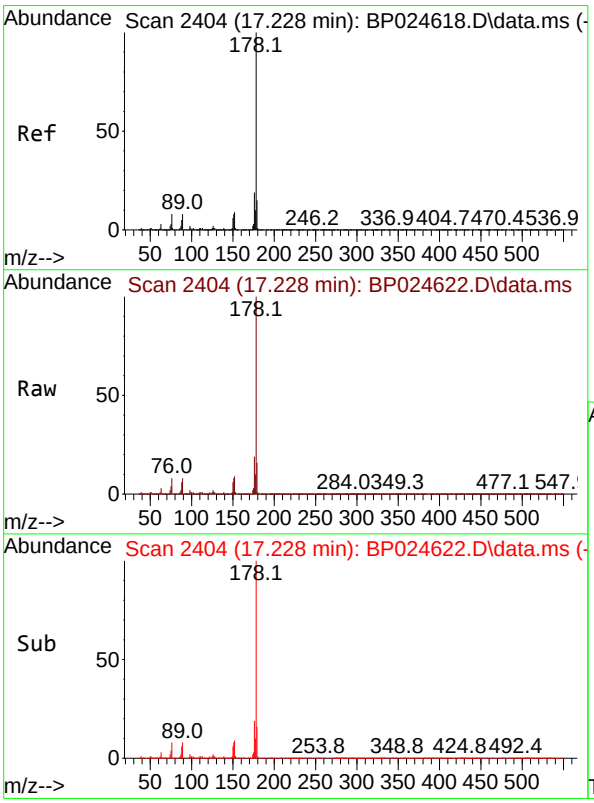

#71
Phenanthrene
Concen: 37.546 ng
RT: 17.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:178 Resp: 1629118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.7 | 15.4 | 23.2 |
| 179 | 15.4 | 12.2 | 18.4 |

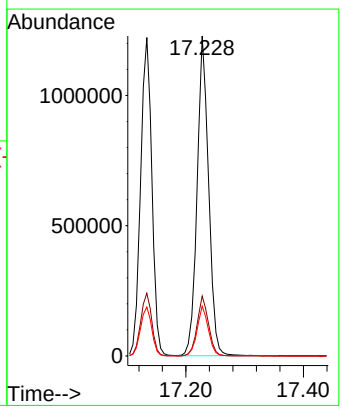


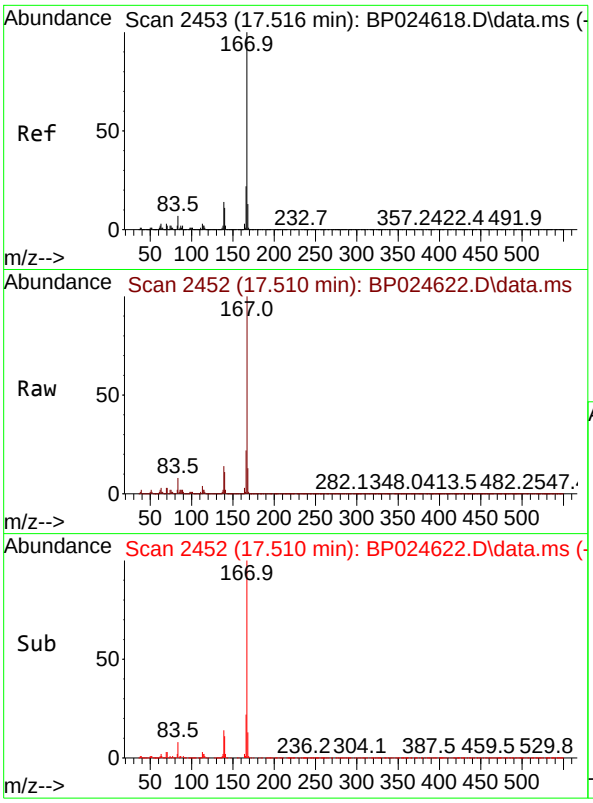




#72
Anthracene
Concen: 38.241 ng
RT: 17.228 min Scan# 2404
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:178 Resp: 1669395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.0 | 22.4 |
| 179 | 15.5 | 12.2 | 18.2 |



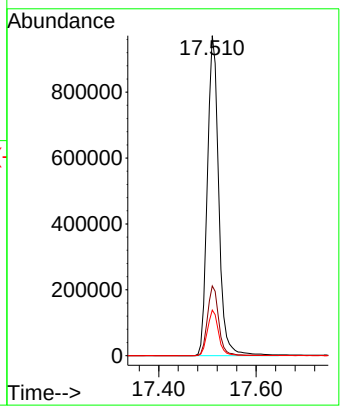


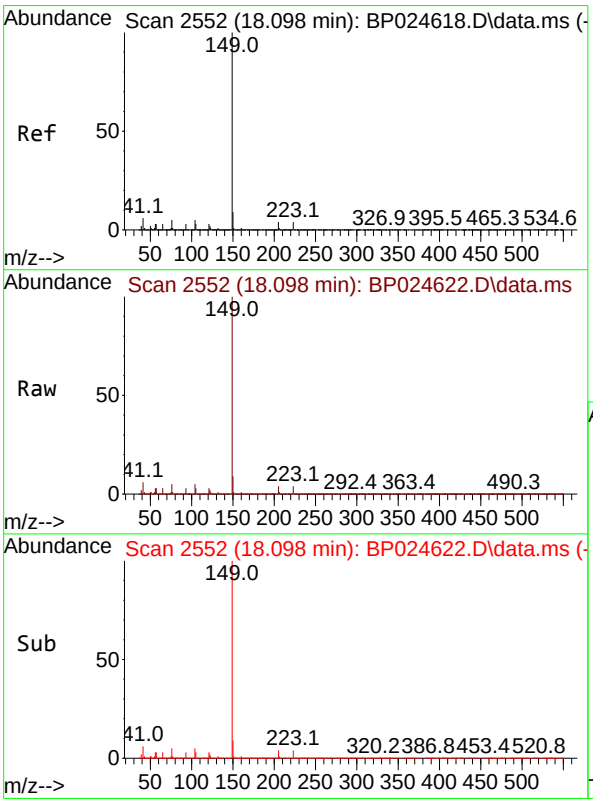

#73
Carbazole
Concen: 39.575 ng
RT: 17.510 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:167 Resp: 1563685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.8 | 17.7 | 26.5 |
| 139 | 14.2 | 11.3 | 16.9 |

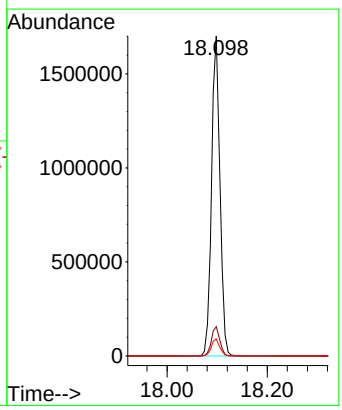


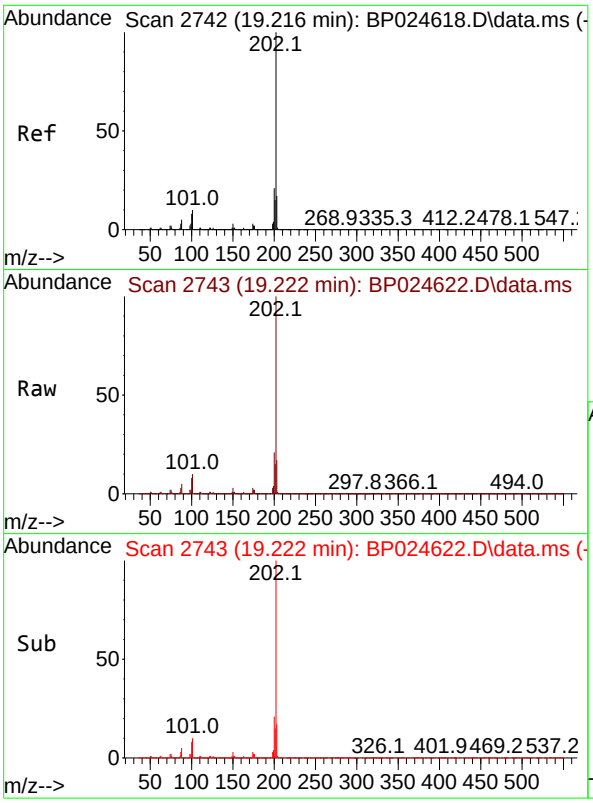




#74
Di-n-butylphthalate
Concen: 38.939 ng
RT: 18.098 min Scan# 2552
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:149 Resp: 1978741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.2 | 10.8 |
| 104 | 5.4 | 4.3 | 6.5 |



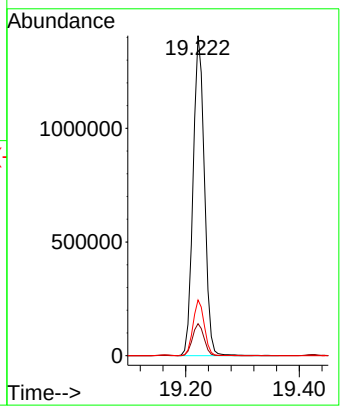


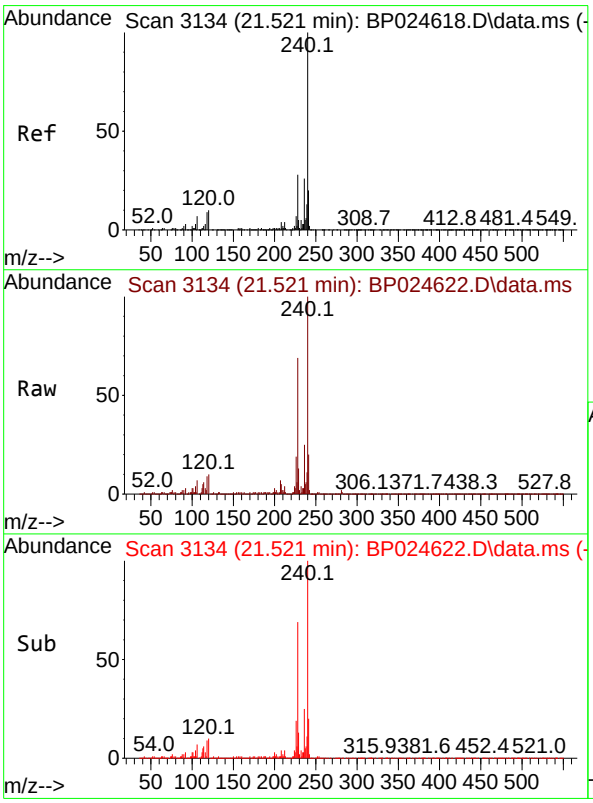

#75
Fluoranthene
Concen: 38.566 ng
RT: 19.222 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:202 Resp: 1956043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.0 | 0.0 | 30.3 |
| 203 | 17.4 | 0.0 | 37.5 |

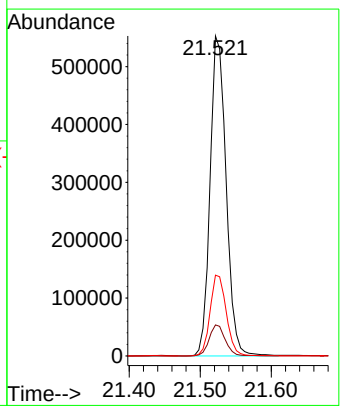


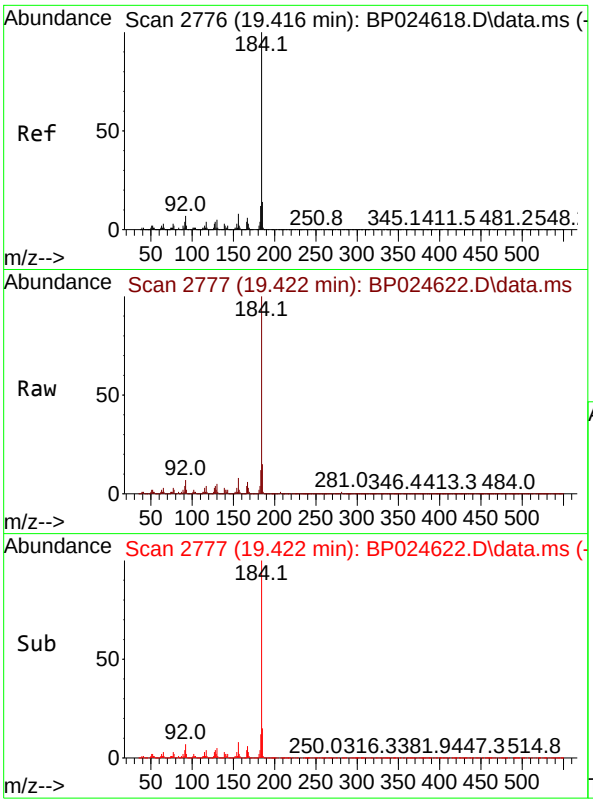




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.521 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:240 Resp: 868822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.7 | 7.8 | 11.6 |
| 236 | 25.2 | 20.6 | 31.0 |



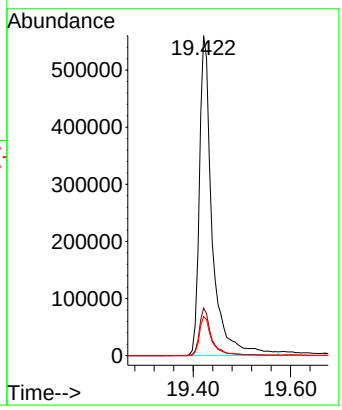


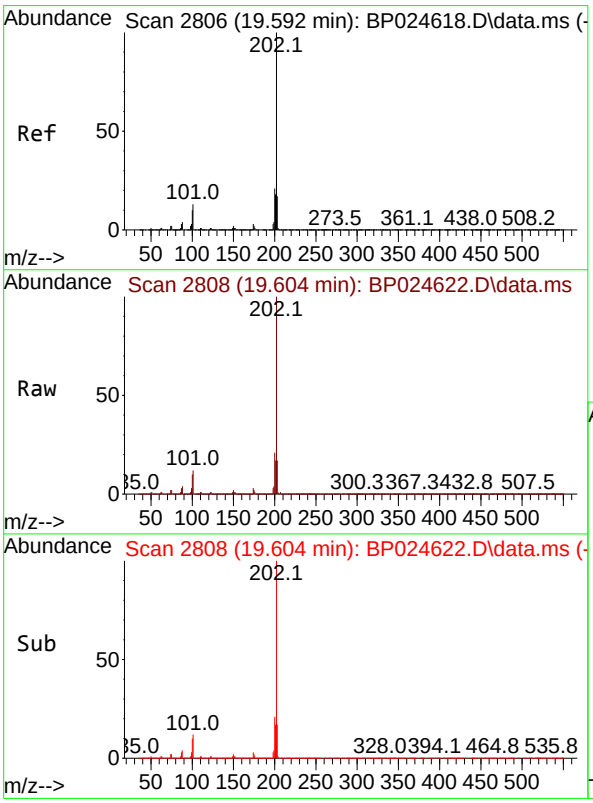

#77
Benzidine
Concen: 43.253 ng
RT: 19.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:184 Resp: 1023514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.9 | 11.2 | 16.8 |
| 183 | 12.3 | 9.8 | 14.8 |

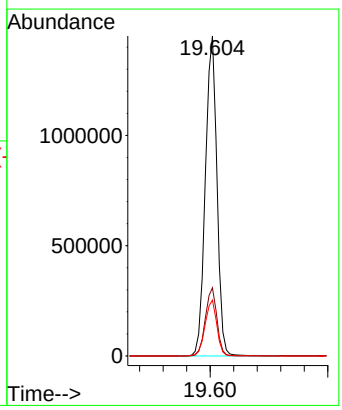


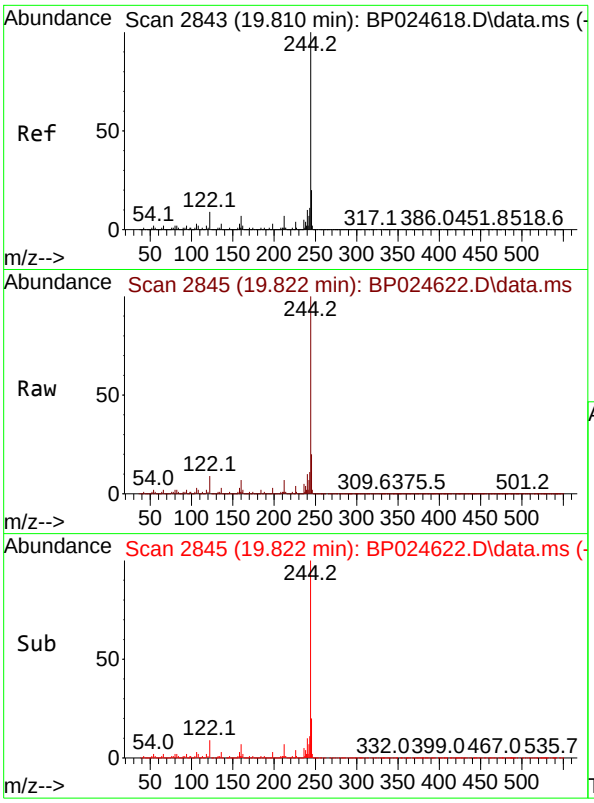




#78
Pyrene
Concen: 38.281 ng
RT: 19.604 min Scan# 2808
Delta R.T. 0.012 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:202 Resp: 1992845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.3 | 16.9 | 25.3 |
| 203 | 17.5 | 13.9 | 20.9 |



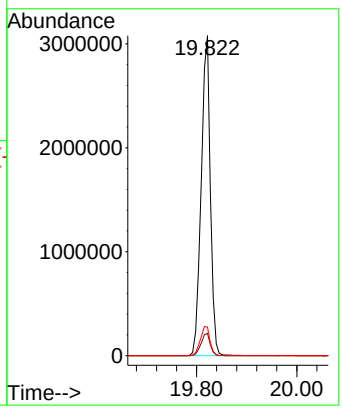


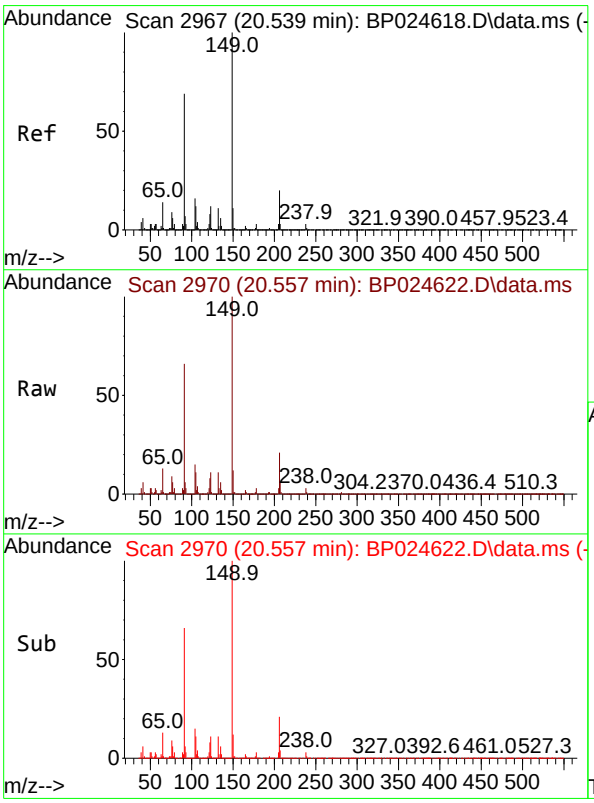

#79
Terphenyl-d14
Concen: 76.753 ng
RT: 19.822 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:244 Resp: 3889002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.5 | 8.3 |
| 122 | 9.0 | 7.4 | 11.0 |

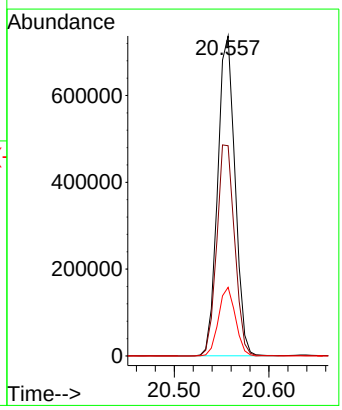


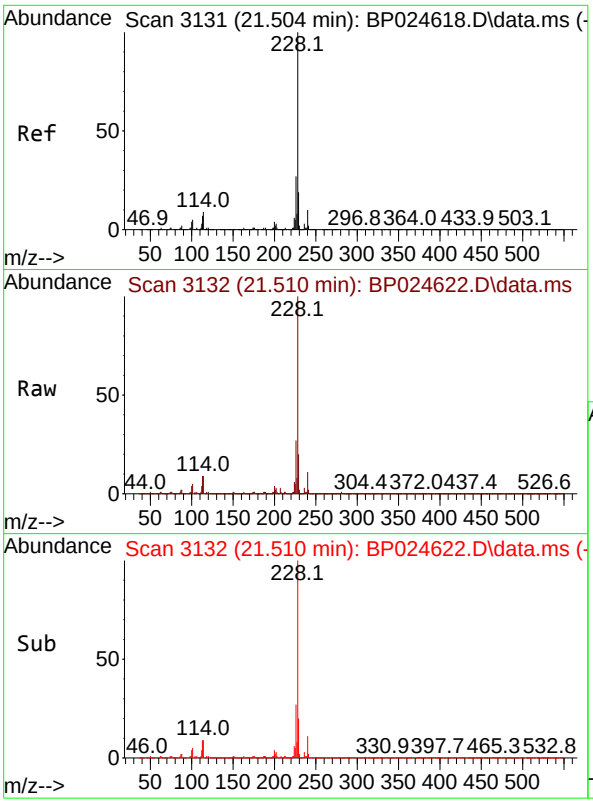




#80
Butylbenzylphthalate
Concen: 40.523 ng
RT: 20.557 min Scan# 2970
Delta R.T. 0.018 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:149 Resp: 938210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 65.7 | 55.4 | 83.0 |
| 206 | 21.5 | 16.2 | 24.2 |



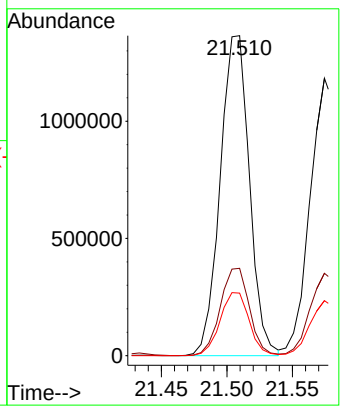


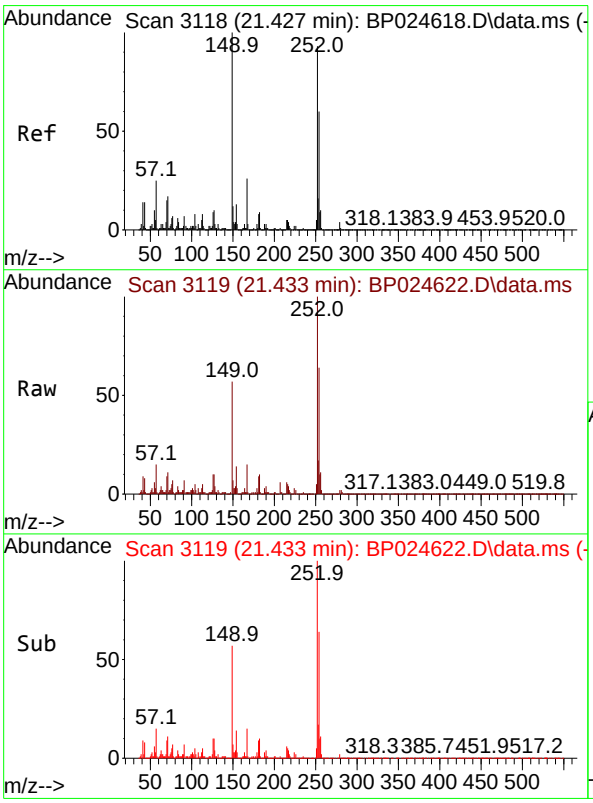

#81
Benzo(a)anthracene
Concen: 38.889 ng
RT: 21.510 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:228 Resp: 2121561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.3 | 21.4 | 32.0 |
| 229 | 19.6 | 15.5 | 23.3 |

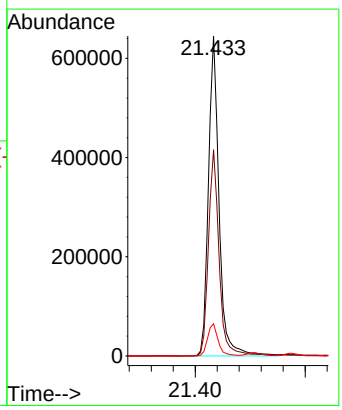


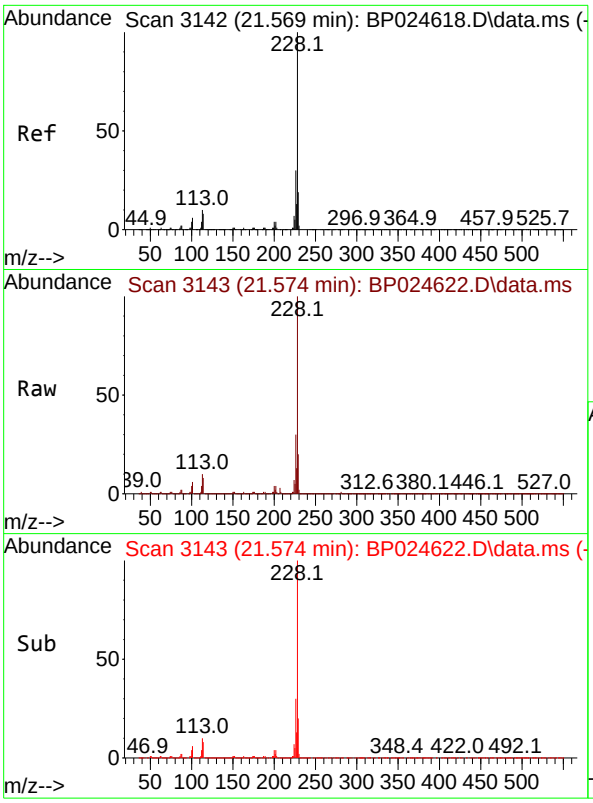




#82
3,3'-Dichlorobenzidine
Concen: 42.508 ng
RT: 21.433 min Scan# 3119
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:252 Resp: 861323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.4 | 51.8 | 77.6 |
| 126 | 10.1 | 7.7 | 11.5 |



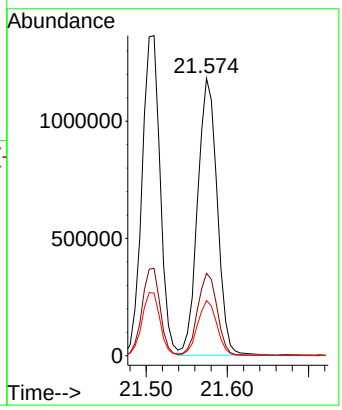


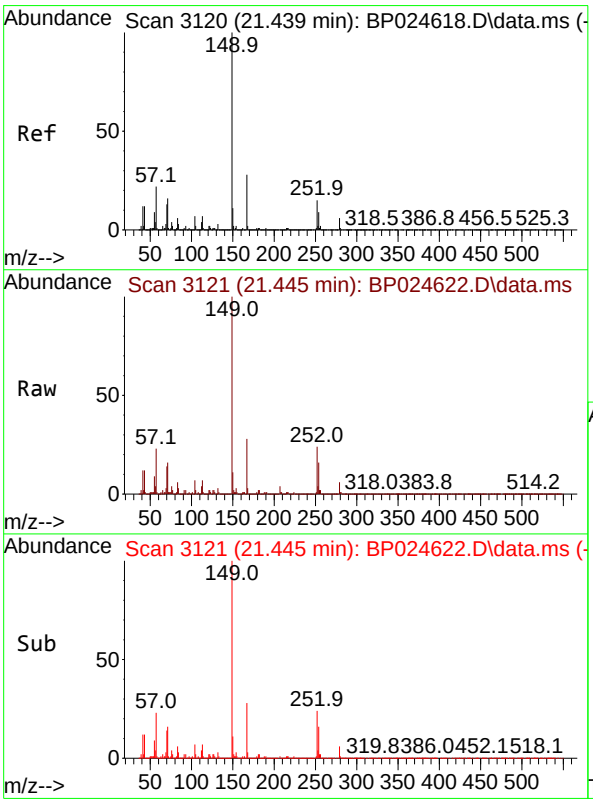

#83
Chrysene
Concen: 38.227 ng
RT: 21.574 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:228 Resp: 1976940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.7 | 23.9 | 35.9 |
| 229 | 19.9 | 15.5 | 23.3 |

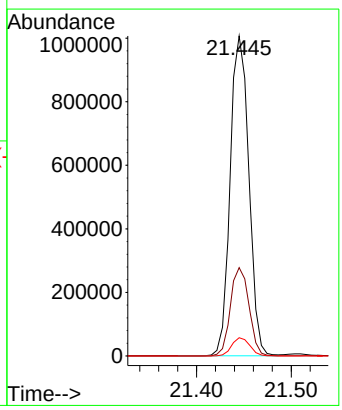


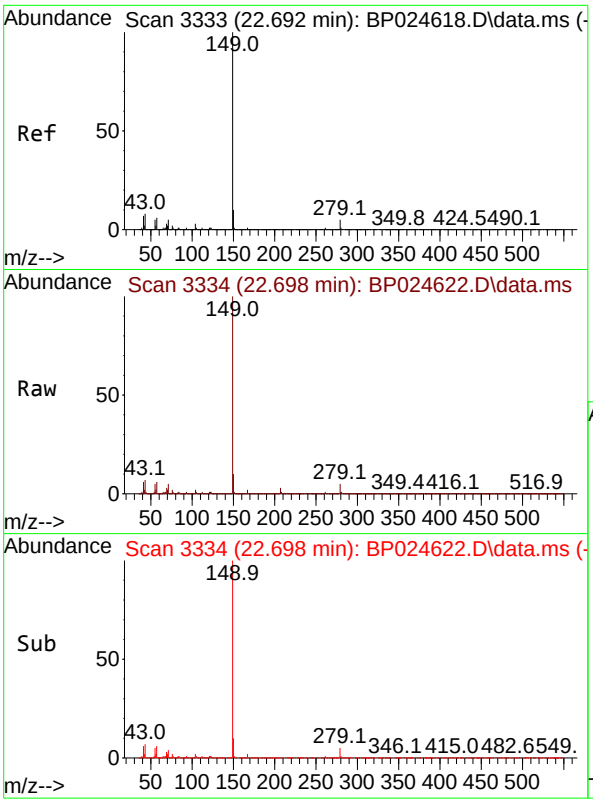




#84
Bis(2-ethylhexyl)phthalate
Concen: 40.433 ng
RT: 21.445 min Scan# 3121
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:149 Resp: 1375919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.6 | 22.1 | 33.1 |
| 279 | 5.7 | 4.6 | 6.8 |



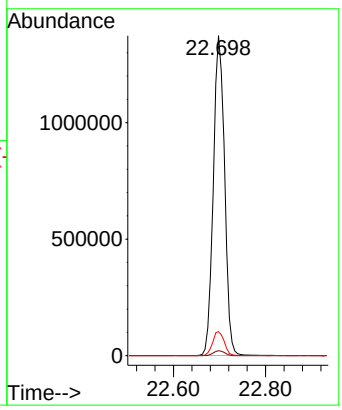


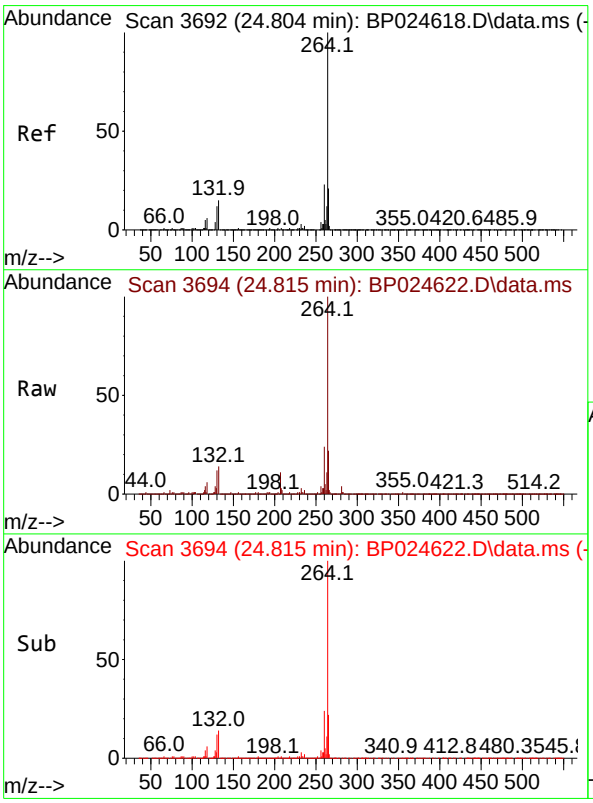

#85
Di-n-octyl phthalate
Concen: 41.721 ng
RT: 22.698 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:149 Resp: 2321673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.2 | 1.8 |
| 43 | 7.8 | 6.3 | 9.5 |

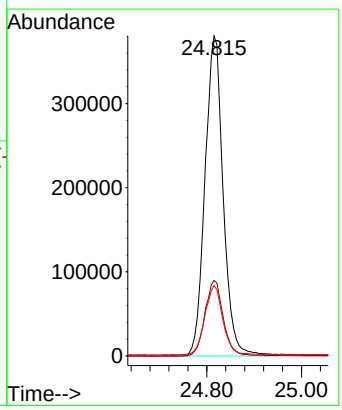


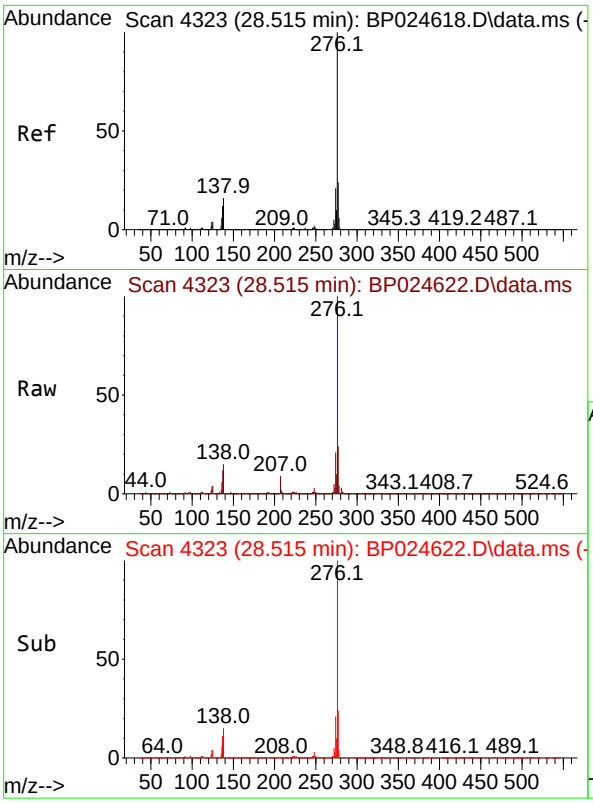




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.815 min Scan# 3694
Delta R.T. 0.012 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:264 Resp: 1015341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 18.7 | 28.1 |
| 265 | 22.0 | 17.0 | 25.6 |



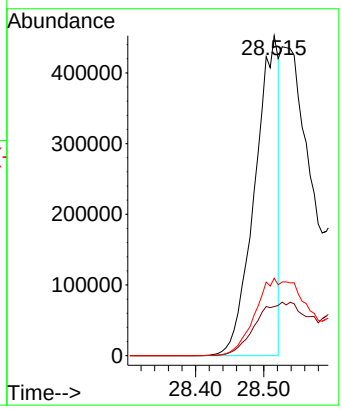


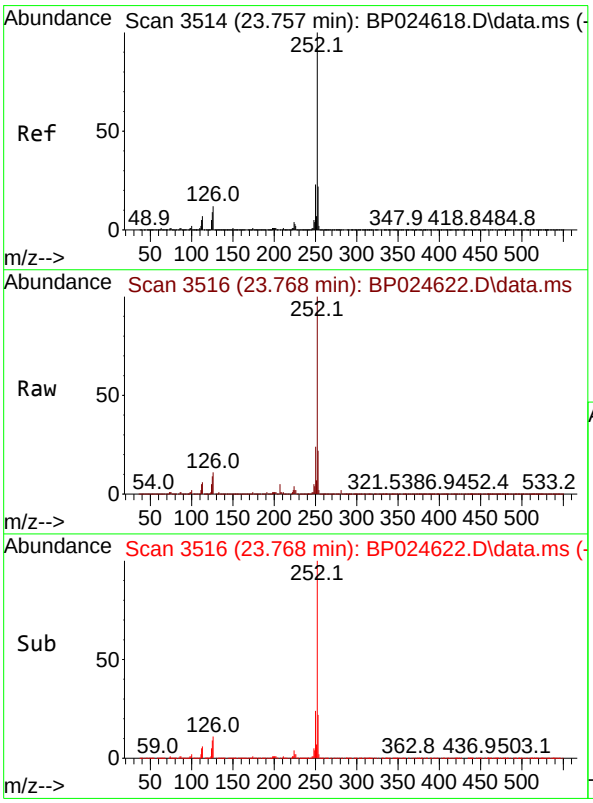

#87
Indeno(1,2,3-cd)pyrene
Concen: 14.798 ng
RT: 28.515 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:276 Resp: 1096892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 37.4 | 11.2 | 16.8# |
| 277 | 27.8 | 15.7 | 23.5# |

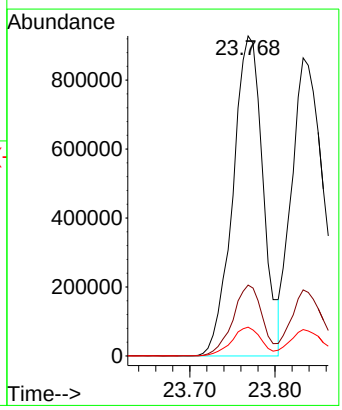


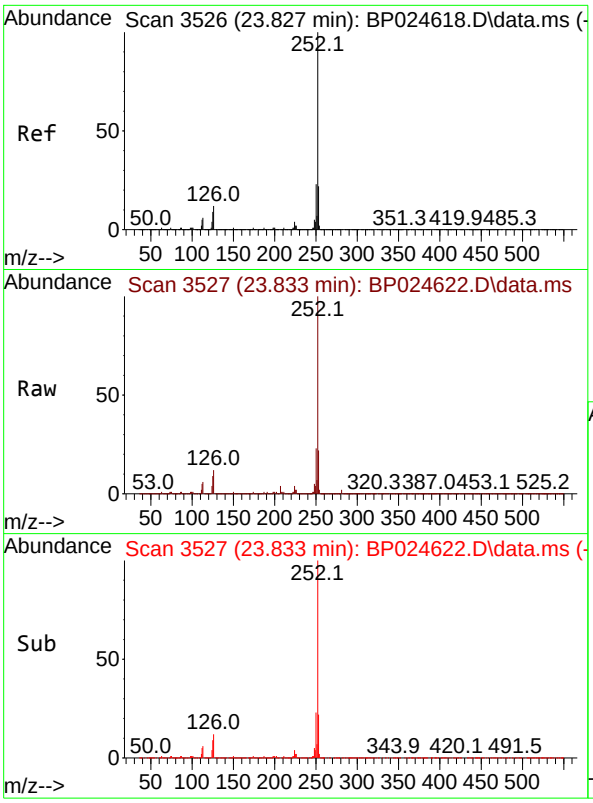




#88
Benzo(b)fluoranthene
Concen: 39.289 ng
RT: 23.768 min Scan# 3516
Delta R.T. 0.012 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:252 Resp: 2283322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.7 | 26.5 |
| 125 | 9.0 | 7.5 | 11.3 |



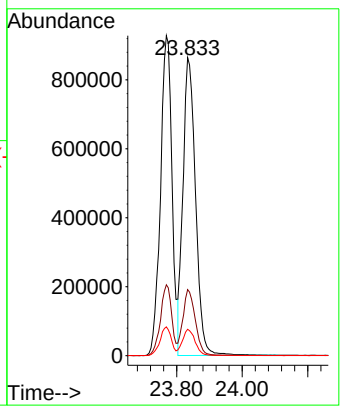


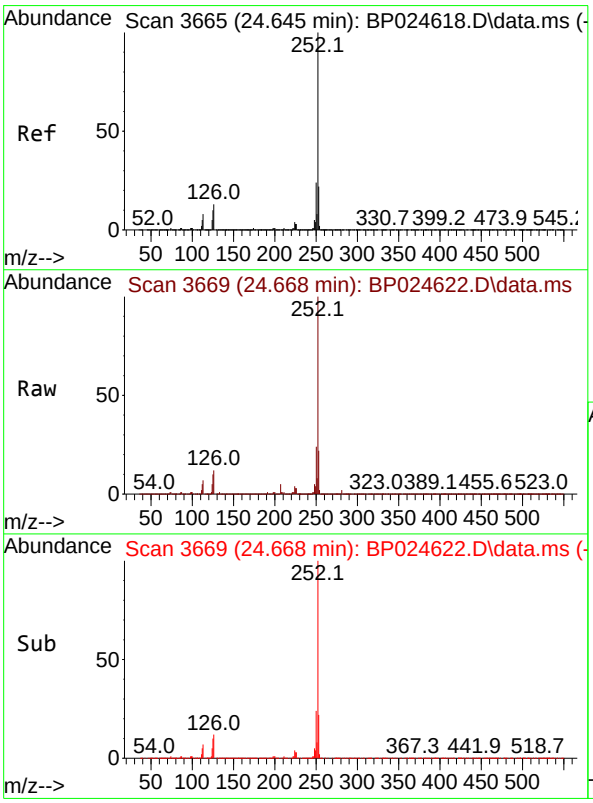

#89
Benzo(k)fluoranthene
Concen: 38.223 ng
RT: 23.833 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:252 Resp: 2289000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.6 | 26.4 |
| 125 | 8.9 | 7.0 | 10.4 |

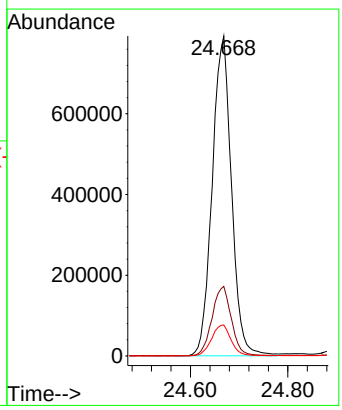


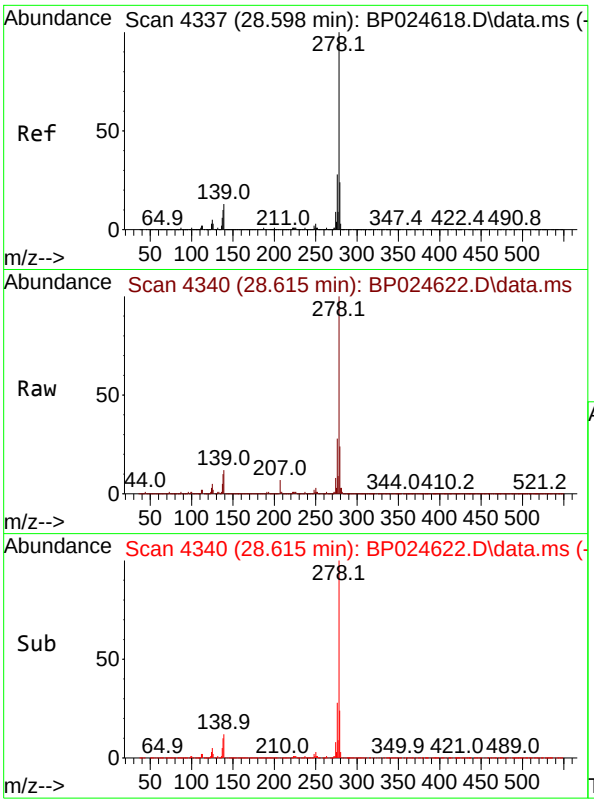




#90
Benzo(a)pyrene
Concen: 39.004 ng
RT: 24.668 min Scan# 3669
Delta R.T. 0.023 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:252 Resp: 2177020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.7 | 26.5 |
| 125 | 9.7 | 8.1 | 12.1 |



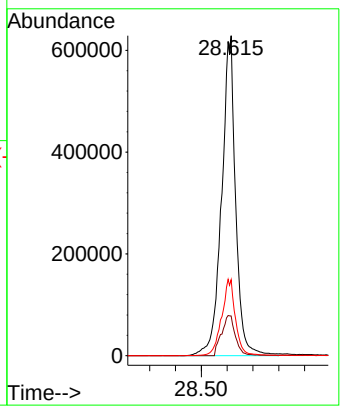


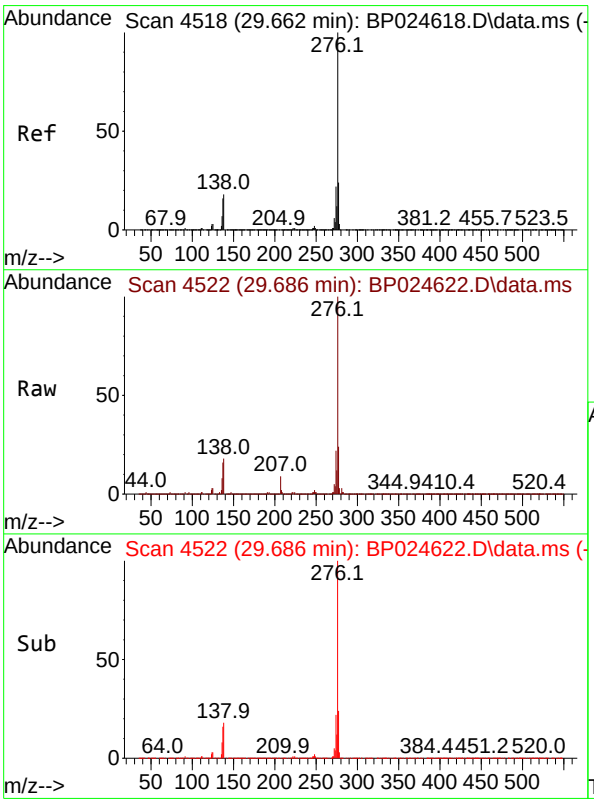

#91
Dibenzo(a,h)anthracene
Concen: 39.377 ng
RT: 28.615 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP051325

Tgt Ion:278 Resp: 2374558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 12.4 | 10.2 | 15.4 |
| 279 | 23.8 | 19.0 | 28.4 |

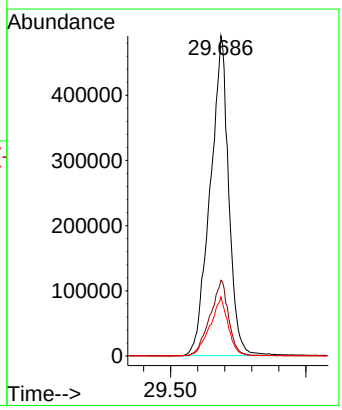



#92
Benzo(g,h,i)perylene
Concen: 38.906 ng
RT: 29.686 min Scan# 4522
Delta R.T. 0.023 min
Lab File: BP024622.D
Acq: 13 May 2025 17:01

Tgt Ion:276 Resp: 2333151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 19.0 | 28.4 |
| 138 | 18.4 | 14.4 | 21.6 |



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024708.D
Acq On : 20 May 2025 15:16
Operator : RC/JU
Sample : PB168048BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Quant Time: May 20 15:48:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.658 | 152 | 139801 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.422 | 136 | 538123 | 20.000 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 14.287 | 164 | 329718 | 20.000 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.081 | 188 | 642991 | 20.000 | ng | | -0.02 |
| 76) Chrysene-d12 | 21.516 | 240 | 741643 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.792 | 264 | 838594 | 20.000 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.293 | 112 | 1043511 | 127.666 | ng | | 0.00 |
| 7) Phenol-d6 | 6.863 | 99 | 1253204 | 120.132 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 8.805 | 82 | 807485 | 75.818 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.804 | 330 | 816620 | 146.094 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.893 | 172 | 1964889 | 78.074 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.804 | 244 | 3433913 | 79.393 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.222 | 88 | 120709 | 31.450 | ng | | 95 |
| 3) Pyridine | 3.617 | 79 | 287355 | 33.764 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.528 | 42 | 150262 | 39.993 | ng | | 88 |
| 6) Aniline | 6.999 | 93 | 471275 | 34.991 | ng | | 100 |
| 8) 2-Chlorophenol | 7.234 | 128 | 406514 | 43.810 | ng | | 98 |
| 9) Benzaldehyde | 6.811 | 77 | 225153 | 33.341 | ng | | 98 |
| 10) Phenol | 6.887 | 94 | 449144 | 41.715 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.087 | 93 | 343898 | 38.871 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 7.546 | 146 | 445502 | 41.731 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.693 | 146 | 456307 | 42.498 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.005 | 146 | 419608 | 40.106 | ng | | 99 |
| 15) Benzyl Alcohol | 7.905 | 79 | 327937 | 41.367 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.175 | 45 | 375945 | 35.482 | ng | | 98 |
| 17) 2-Methylphenol | 8.116 | 107 | 314693 | 40.750 | ng | | 97 |
| 18) Hexachloroethane | 8.716 | 117 | 162657 | 39.533 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.457 | 70 | 251492 | 34.851 | ng | | 95 |
| 20) 3+4-Methylphenols | 8.446 | 107 | 425353 | 40.492 | ng | | 96 |
| 22) Acetophenone | 8.469 | 105 | 559135 | 41.596 | ng | # | 98 |
| 24) Nitrobenzene | 8.846 | 77 | 395885 | 42.239 | ng | | 96 |
| 25) Isophorone | 9.363 | 82 | 697164 | 37.737 | ng | | 99 |
| 26) 2-Nitrophenol | 9.552 | 139 | 219271 | 47.744 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.622 | 122 | 372381 | 45.988 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 9.846 | 93 | 438080 | 39.691 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.099 | 162 | 370553 | 47.224 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.287 | 180 | 392603 | 44.400 | ng | | 97 |
| 31) Naphthalene | 10.475 | 128 | 1185760 | 42.522 | ng | | 100 |
| 32) Benzoic acid | 9.810 | 122 | 228390 | 41.680 | ng | | 97 |
| 33) 4-Chloroaniline | 10.593 | 127 | 393001 | 34.925 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.752 | 225 | 262558 | 45.836 | ng | | 98 |
| 35) Caprolactam | 11.399 | 113 | 122940 | 43.305 | ng | | 99 |
| 36) 4-Chloro-3-methylphenol | 11.740 | 107 | 409493 | 42.794 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.087 | 142 | 755884 | 41.862 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.310 | 142 | 792211 | 41.005 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.457 | 216 | 450159 | 47.016 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.434 | 237 | 578889 | 99.710 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 12.716 | 196 | 308678 | 49.774 | ng | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024708.D
Acq On : 20 May 2025 15:16
Operator : RC/JU
Sample : PB168048BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Quant Time: May 20 15:48:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.804 | 196 | 333877 | 48.366 | ng | 96 |
| 46) 1,1'-Biphenyl | 13.104 | 154 | 1119732 | 45.948 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.145 | 162 | 857654 | 46.157 | ng | 98 |
| 48) 2-Nitroaniline | 13.369 | 65 | 247888 | 45.061 | ng | 96 |
| 49) Acenaphthylene | 14.004 | 152 | 1357825 | 43.666 | ng | 100 |
| 50) Dimethylphthalate | 13.745 | 163 | 1126770 | 44.835 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.863 | 165 | 242858 | 45.757 | ng | 96 |
| 52) Acenaphthene | 14.351 | 154 | 795831 | 44.519 | ng | 99 |
| 53) 3-Nitroaniline | 14.204 | 138 | 200980 | 37.085 | ng | 98 |
| 54) 2,4-Dinitrophenol | 14.422 | 184 | 292154 | 86.708 | ng | 96 |
| 55) Dibenzofuran | 14.692 | 168 | 1245387 | 43.677 | ng | 98 |
| 56) 4-Nitrophenol | 14.563 | 139 | 367273 | 78.370 | ng | 96 |
| 57) 2,4-Dinitrotoluene | 14.669 | 165 | 343419 | 45.895 | ng | 97 |
| 58) Fluorene | 15.345 | 166 | 1060372 | 45.608 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.934 | 232 | 307270 | 47.983 | ng | 97 |
| 60) Diethylphthalate | 15.122 | 149 | 1120632 | 44.119 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.339 | 204 | 526856 | 45.439 | ng | 98 |
| 62) 4-Nitroaniline | 15.387 | 138 | 228988 | 43.760 | ng | 99 |
| 63) Azobenzene | 15.639 | 77 | 928905 | 42.749 | ng | 96 |
| 65) 4,6-Dinitro-2-methylph... | 15.451 | 198 | 203628 | 49.028 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 15.563 | 169 | 938311 | 47.509 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.251 | 248 | 363780 | 48.013 | ng | 98 |
| 68) Hexachlorobenzene | 16.369 | 284 | 458184 | 47.591 | ng | 99 |
| 69) Atrazine | 16.545 | 200 | 344306 | 47.570 | ng | 99 |
| 70) Pentachlorophenol | 16.734 | 266 | 590870 | 109.332 | ng | 99 |
| 71) Phenanthrene | 17.128 | 178 | 1585722 | 44.362 | ng | 99 |
| 72) Anthracene | 17.216 | 178 | 1687384 | 46.920 | ng | 100 |
| 73) Carbazole | 17.504 | 167 | 1527551 | 46.929 | ng | 100 |
| 74) Di-n-butylphthalate | 18.086 | 149 | 1942338 | 46.398 | ng | 100 |
| 75) Fluoranthene | 19.210 | 202 | 1881199 | 45.023 | ng | 99 |
| 77) Benzidine | 19.416 | 184 | 1184443 | 58.638 | ng | 100 |
| 78) Pyrene | 19.586 | 202 | 1922595 | 43.265 | ng | 100 |
| 80) Butylbenzylphthalate | 20.539 | 149 | 882879 | 44.673 | ng | 92 |
| 81) Benzo(a)anthracene | 21.498 | 228 | 2082335 | 44.715 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.422 | 252 | 713621 | 41.258 | ng | 99 |
| 83) Chrysene | 21.563 | 228 | 1974706 | 44.732 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.427 | 149 | 1370288 | 47.173 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.680 | 149 | 2264072 | 47.662 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.527 | 276 | 2777529 | 45.368 | ng | 95 |
| 88) Benzo(b)fluoranthene | 23.763 | 252 | 2257968 | 47.041 | ng | 99 |
| 89) Benzo(k)fluoranthene | 23.821 | 252 | 2269488 | 45.885 | ng | 99 |
| 90) Benzo(a)pyrene | 24.645 | 252 | 2138419 | 46.387 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.592 | 278 | 2290677 | 45.992 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 29.680 | 276 | 2221548 | 44.853 | ng | 98 |

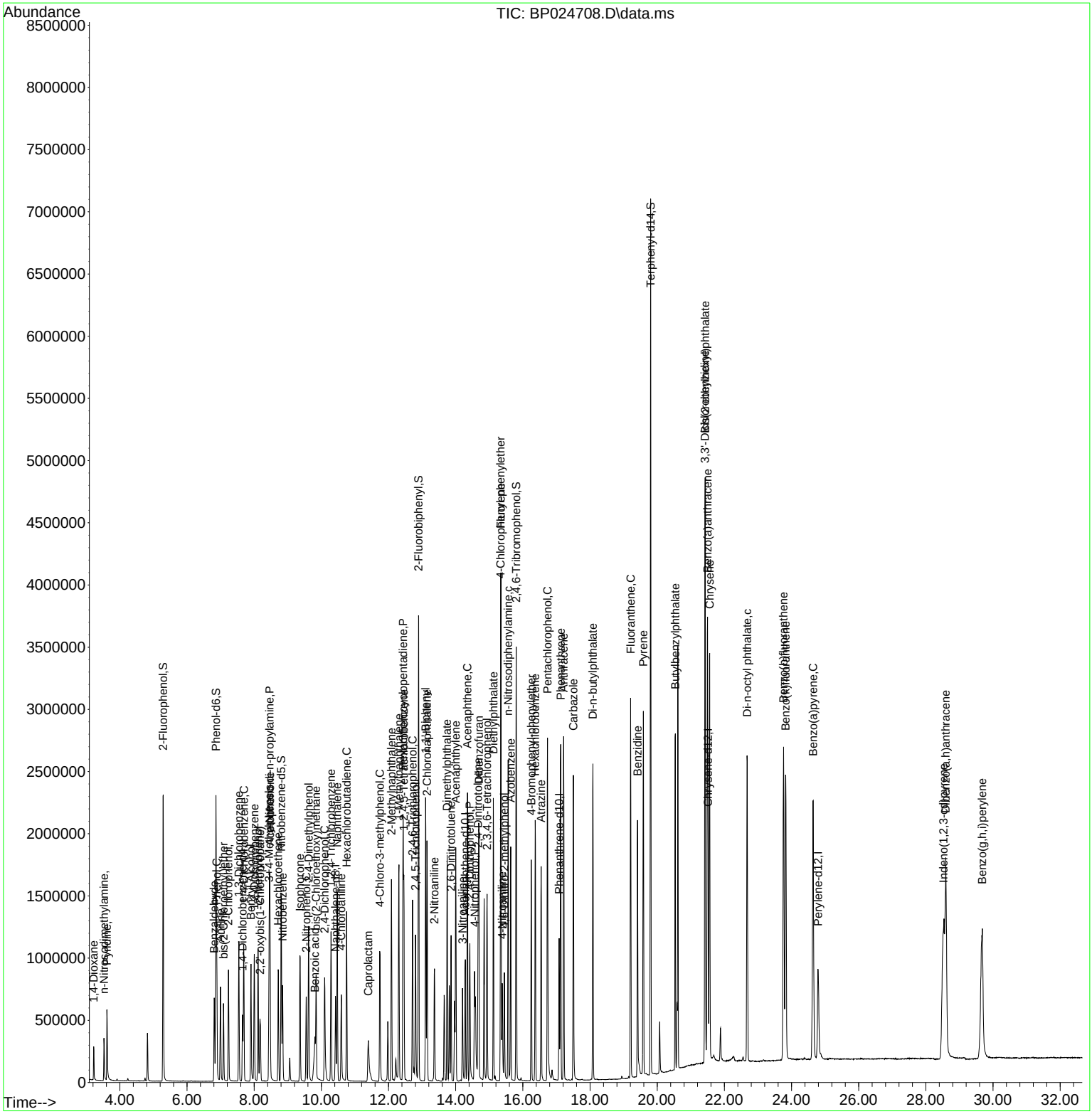
(#) = qualifier out of range (m) = manual integration (+) = signals summed

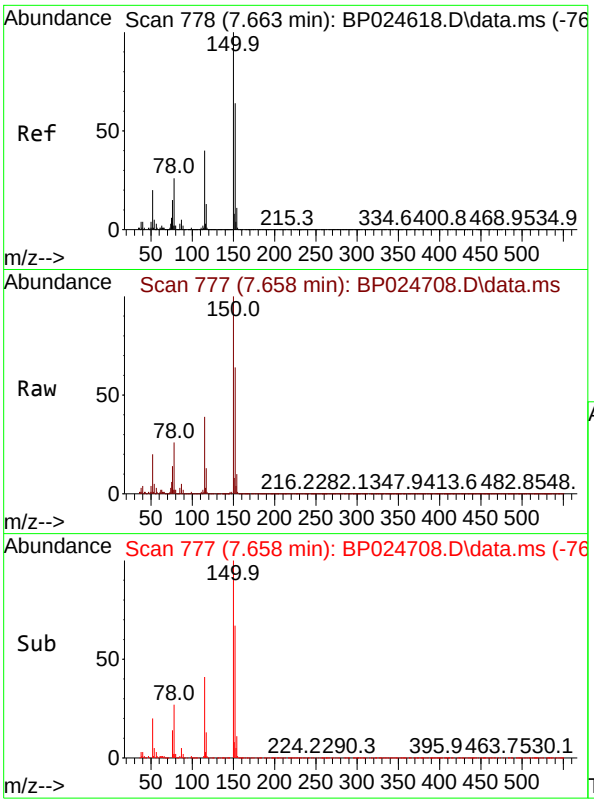
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024708.D
Acq On : 20 May 2025 15:16
Operator : RC/JU
Sample : PB168048BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Quant Time: May 20 15:48:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



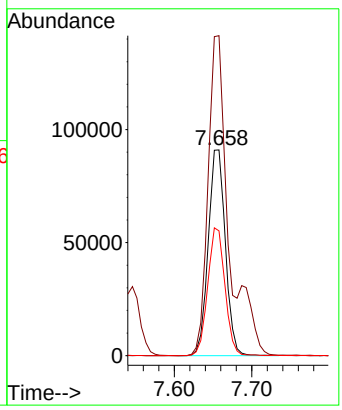


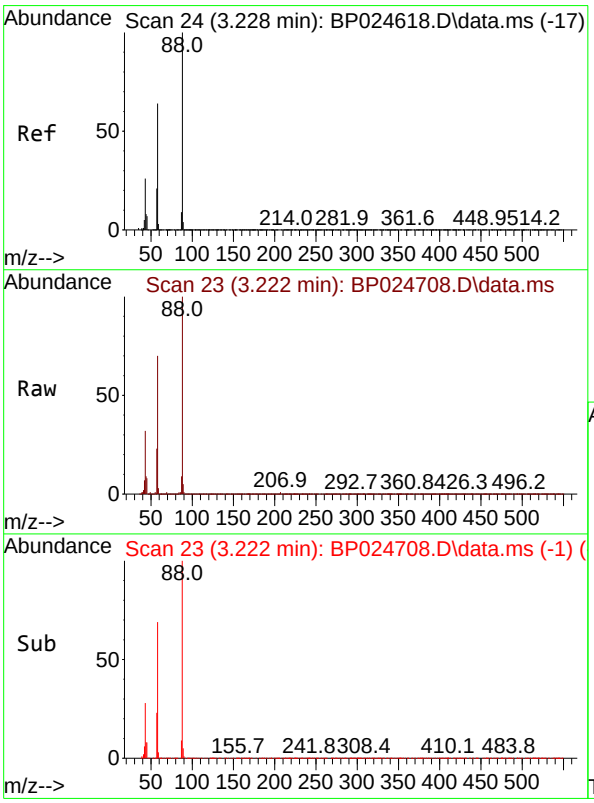

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.658 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:152 Resp: 139801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.5 | 125.9 | 188.9 |
| 115 | 60.6 | 50.1 | 75.1 |

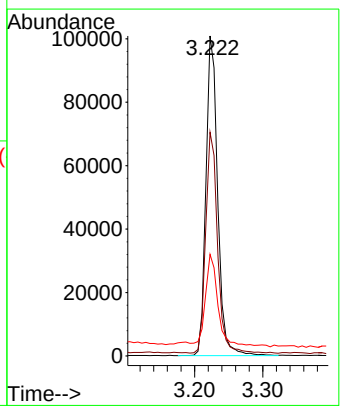


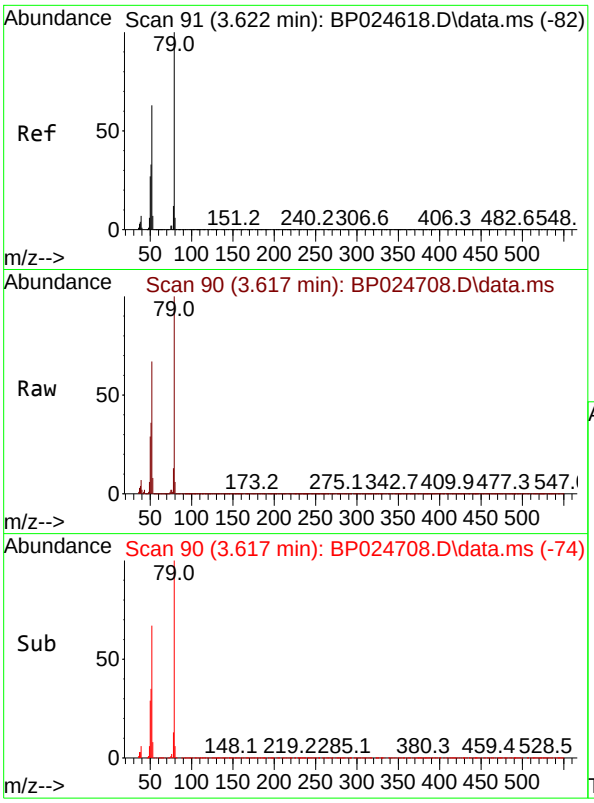




#2
1,4-Dioxane
Concen: 31.450 ng
RT: 3.222 min Scan# 23
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 88 Resp: 120709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 69.9 | 54.0 | 81.0 |
| 43 | 31.8 | 21.4 | 32.0 |



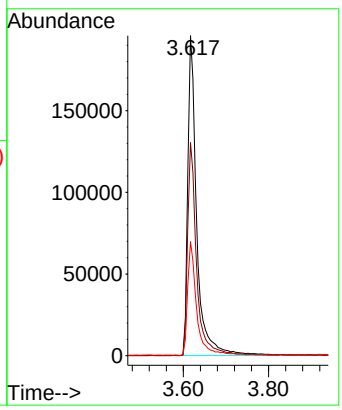


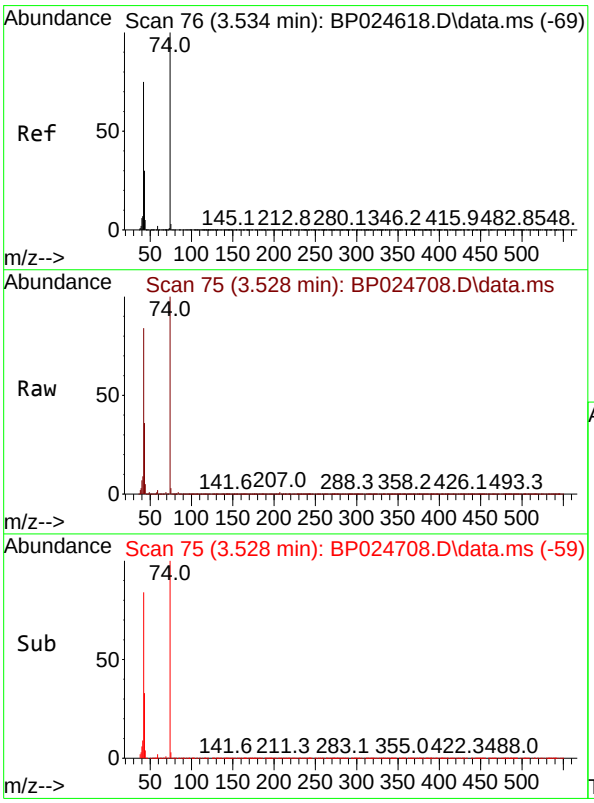

#3
Pyridine
Concen: 33.764 ng
RT: 3.617 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion: 79 Resp: 287355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 66.6 | 50.2 | 75.2 |
| 51 | 35.6 | 26.8 | 40.2 |

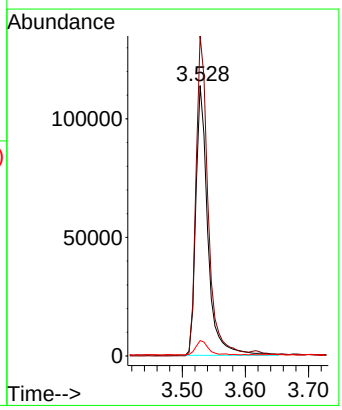


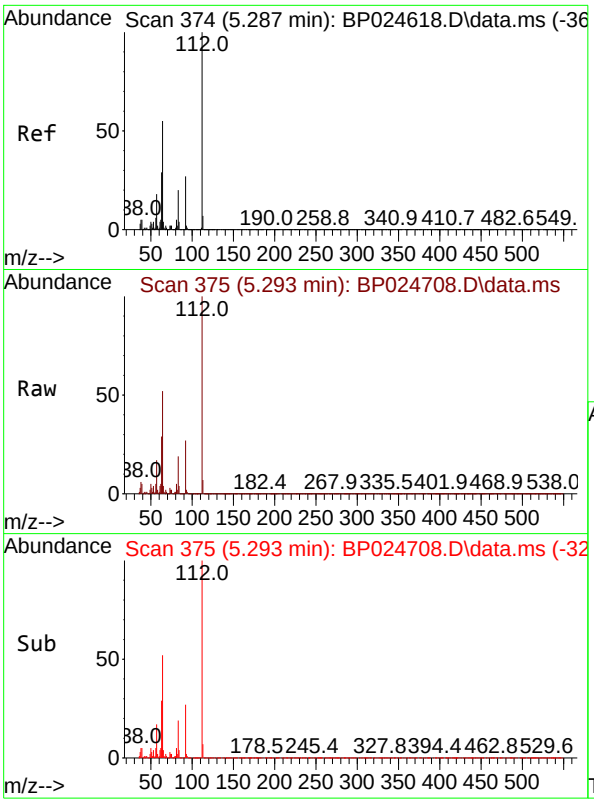




#4
n-Nitrosodimethylamine
Concen: 39.993 ng
RT: 3.528 min Scan# 75
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 42 Resp: 150262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 118.4 | 106.2 | 159.2 |
| 44 | 5.7 | 5.4 | 8.2 |



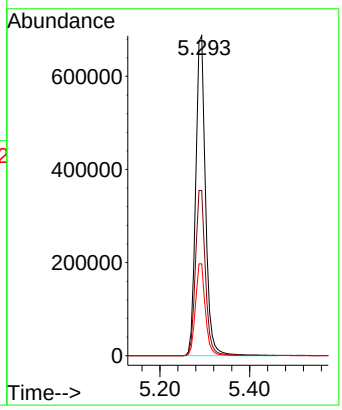


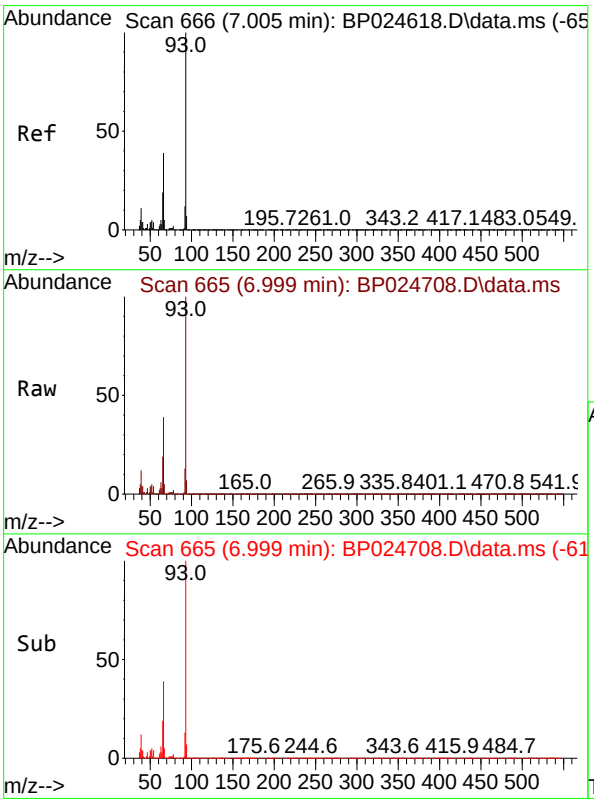

#5
2-Fluorophenol
Concen: 127.666 ng
RT: 5.293 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:112 Resp: 1043511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 51.6 | 44.1 | 66.1 |
| 63 | 28.7 | 23.5 | 35.3 |

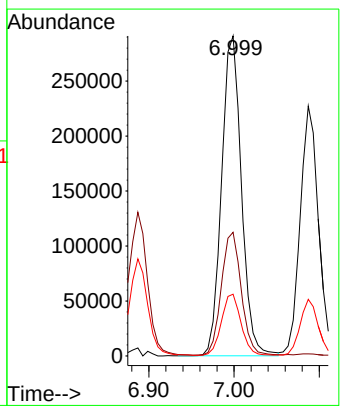


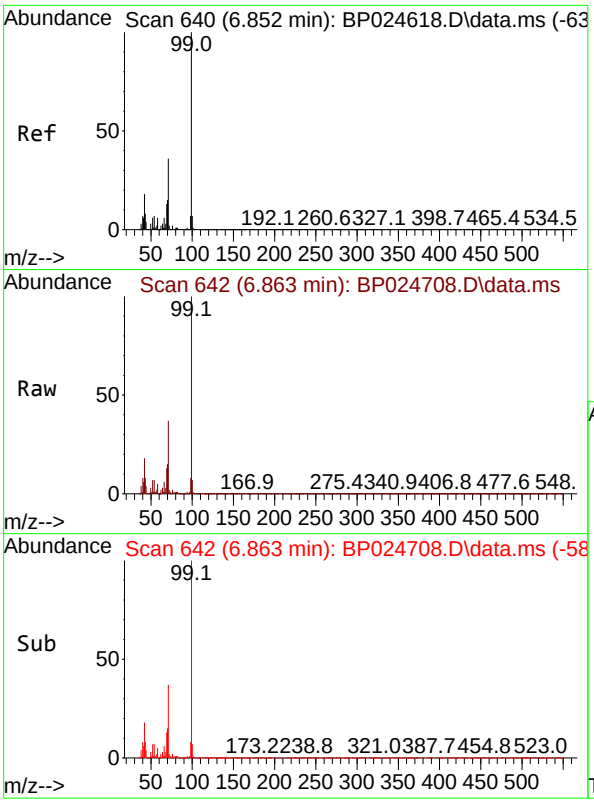




#6
Aniline
Concen: 34.991 ng
RT: 6.999 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 93 Resp: 471275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 38.6 | 31.0 | 46.6 |
| 65 | 19.3 | 15.5 | 23.3 |



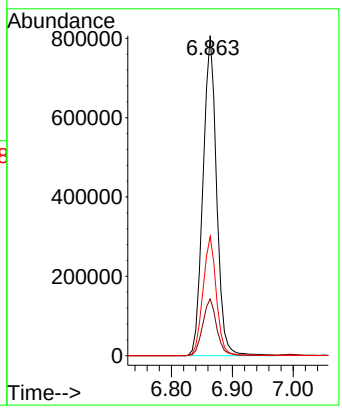


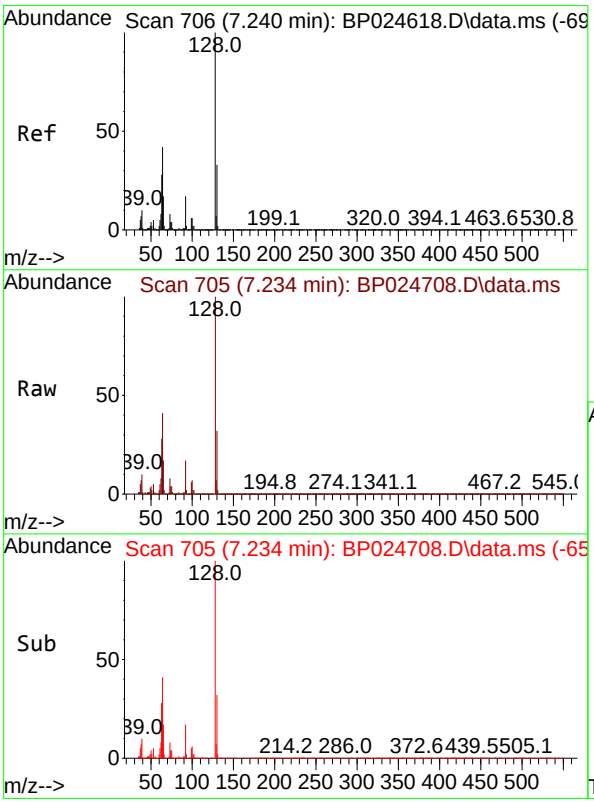

#7
Phenol-d6
Concen: 120.132 ng
RT: 6.863 min Scan# 64
Delta R.T. 0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion: 99 Resp: 1253204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.7 | 14.4 | 21.6 |
| 71 | 37.3 | 29.2 | 43.8 |

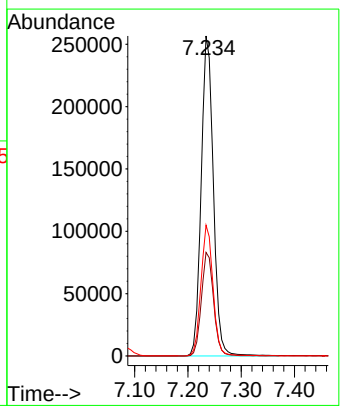


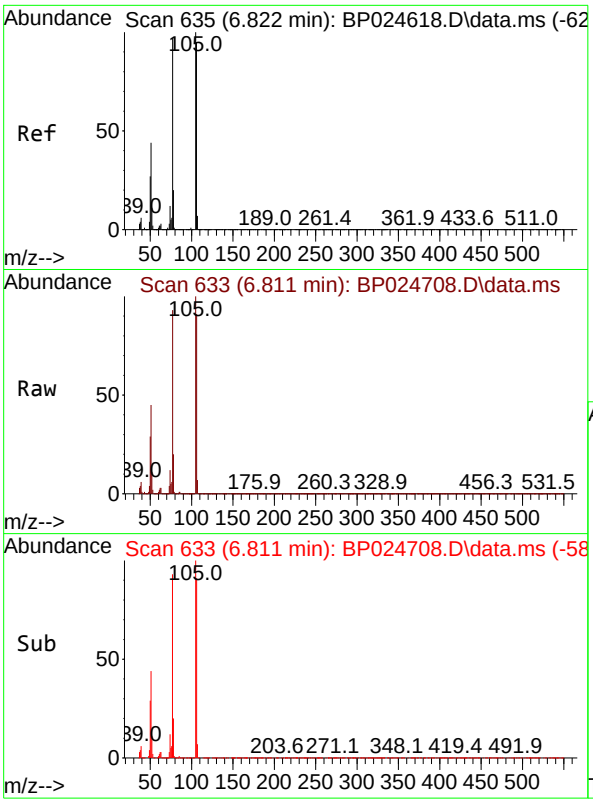




#8
2-Chlorophenol
Concen: 43.810 ng
RT: 7.234 min Scan# 705
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:128 Resp: 406514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.4 | 13.0 | 53.0 |
| 64 | 40.9 | 22.3 | 62.3 |



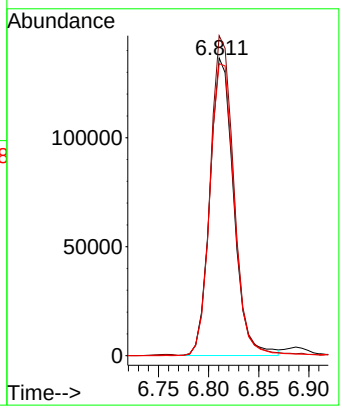


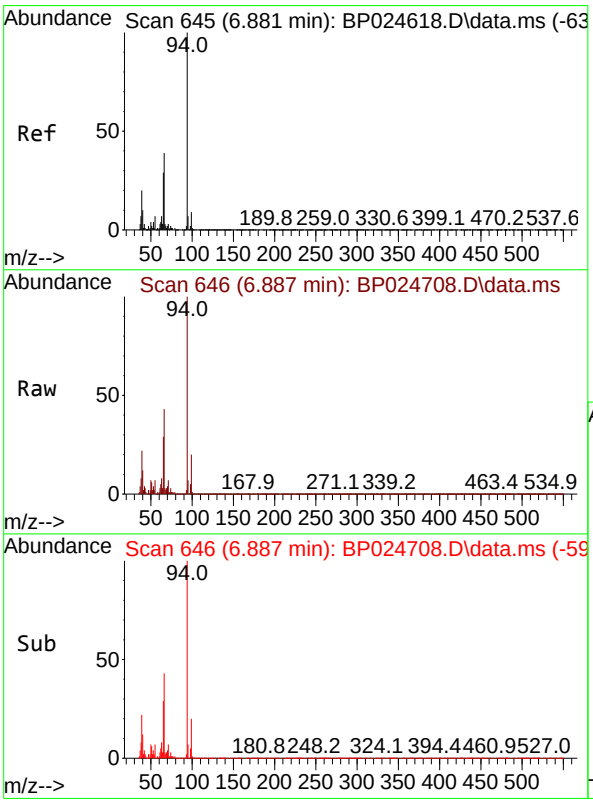

#9
Benzaldehyde
Concen: 33.341 ng
RT: 6.811 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion: 77 Resp: 225153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 107.4 | 83.3 | 123.3 |
| 106 | 98.0 | 78.0 | 118.0 |

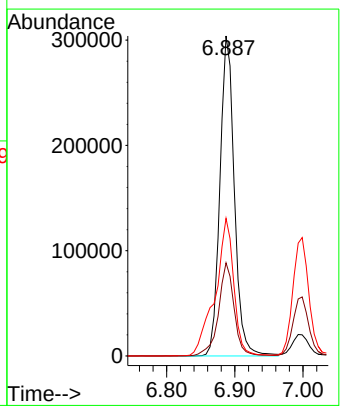


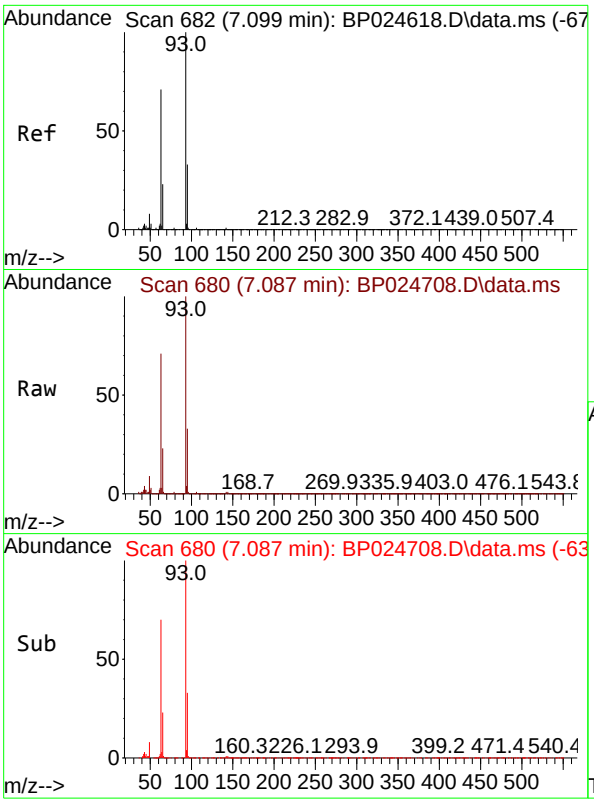




#10
Phenol
Concen: 41.715 ng
RT: 6.887 min Scan# 646
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 94 Resp: 449144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.1 | 8.7 | 48.7 |
| 66 | 43.0 | 19.4 | 59.4 |



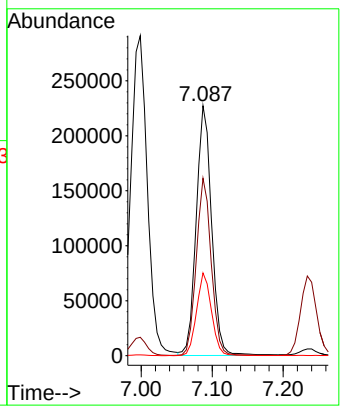


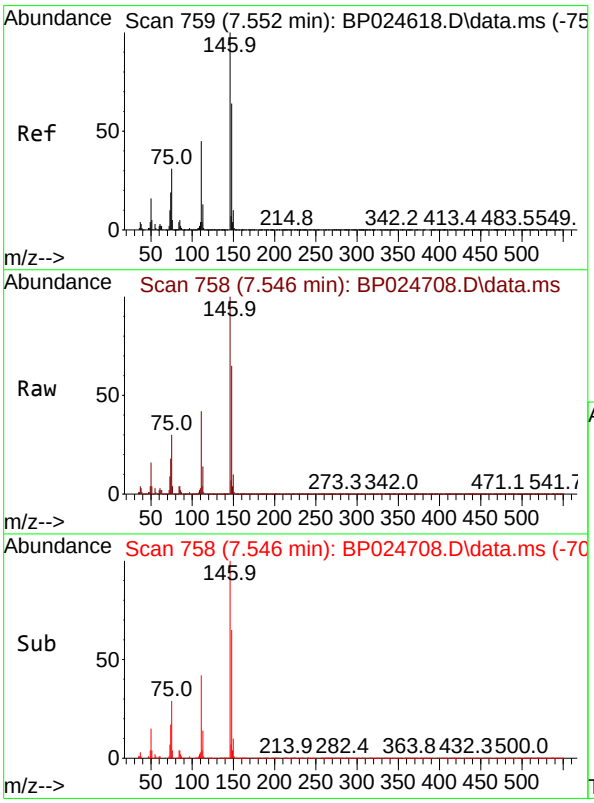

#11
bis(2-Chloroethyl)ether
Concen: 38.871 ng
RT: 7.087 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion: 93 Resp: 343898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 71.0 | 50.6 | 90.6 |
| 95 | 33.1 | 12.9 | 52.9 |

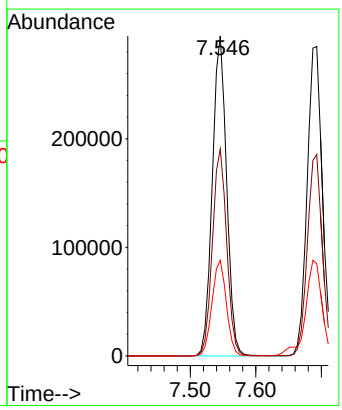


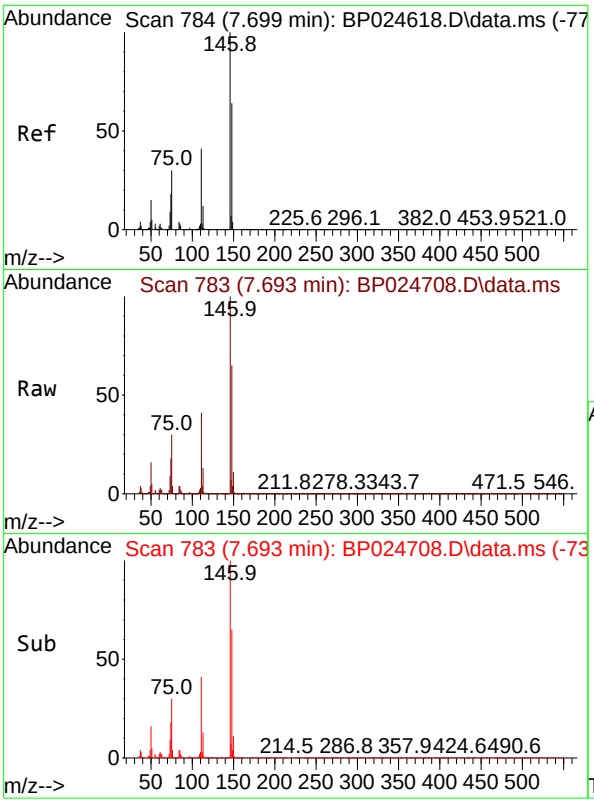




#12
1,3-Dichlorobenzene
Concen: 41.731 ng
RT: 7.546 min Scan# 758
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:146 Resp: 445502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.7 | 51.4 | 77.2 |
| 75 | 29.8 | 25.2 | 37.8 |



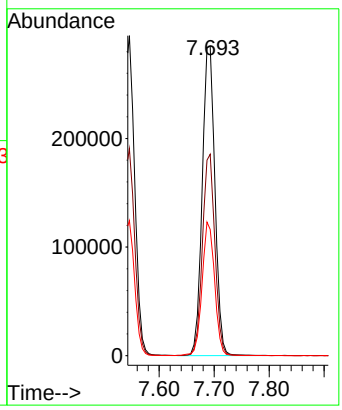


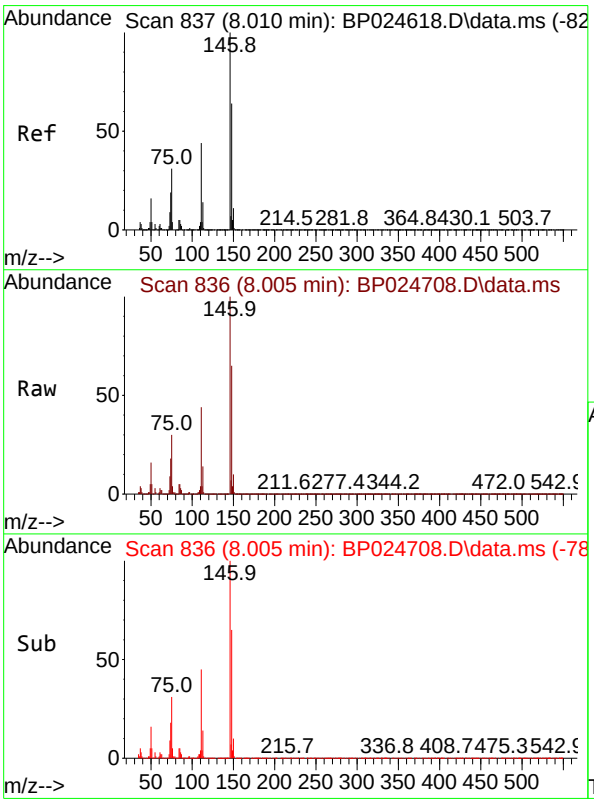

#13
1,4-Dichlorobenzene
Concen: 42.498 ng
RT: 7.693 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:146 Resp: 456307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.1 | 51.0 | 76.6 |
| 111 | 40.8 | 33.0 | 49.6 |

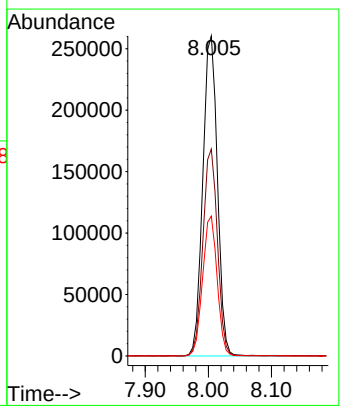


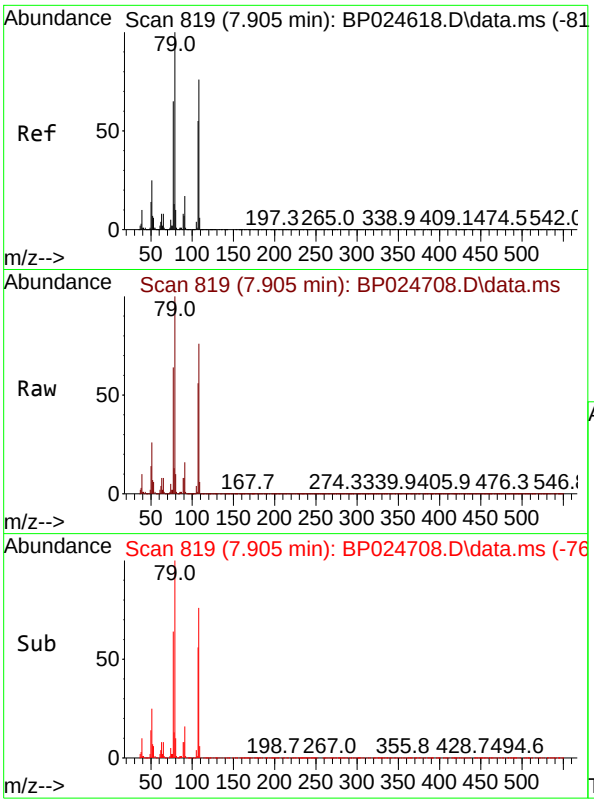




#14
1,2-Dichlorobenzene
Concen: 40.106 ng
RT: 8.005 min Scan# 836
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:146 Resp: 419608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.7 | 51.0 | 76.4 |
| 111 | 43.7 | 35.2 | 52.8 |



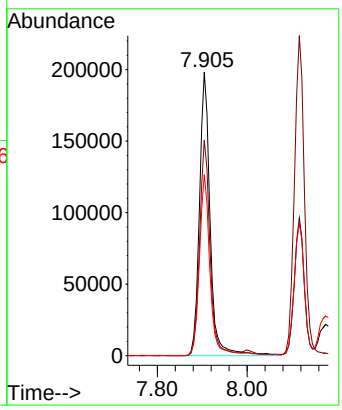


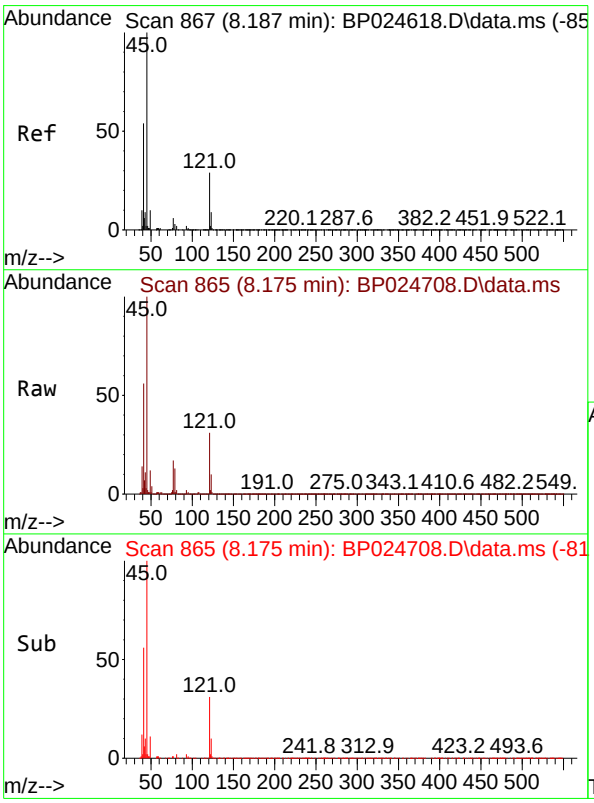

#15
Benzyl Alcohol
Concen: 41.367 ng
RT: 7.905 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion: 79 Resp: 327937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.0 | 60.8 | 91.2 |
| 77 | 63.8 | 51.9 | 77.9 |

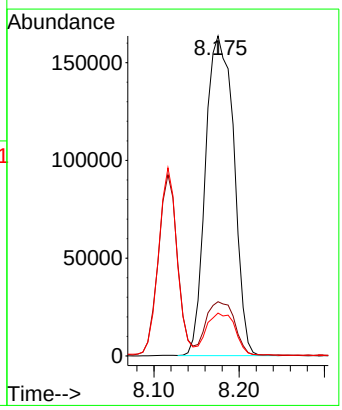


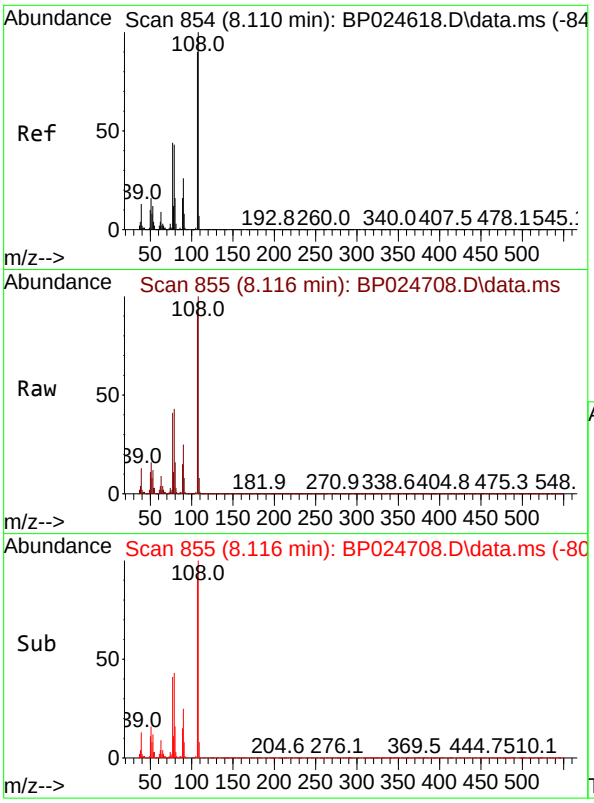




#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.482 ng
RT: 8.175 min Scan# 865
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 45 Resp: 375945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 16.9 | 0.0 | 37.7 |
| 79 | 13.4 | 0.0 | 34.0 |



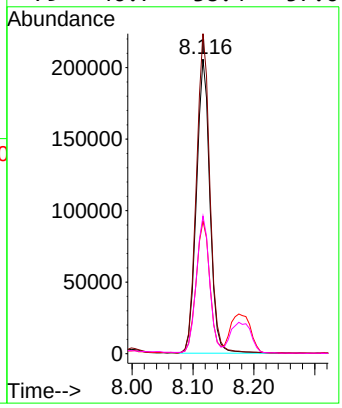


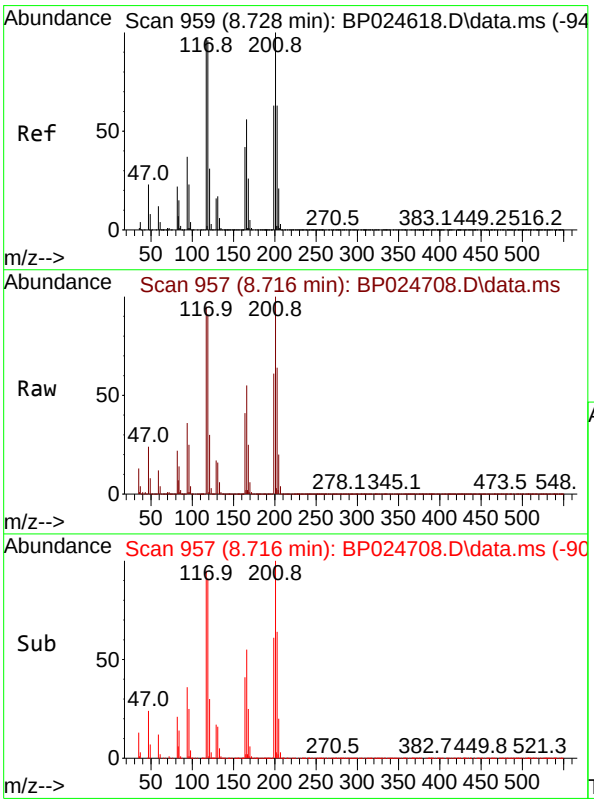

#17
2-Methylphenol
Concen: 40.750 ng
RT: 8.116 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:107 Resp: 314693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 108.6 | 88.9 | 133.3 |
| 77 | 45.0 | 39.0 | 58.6 |
| 79 | 46.7 | 38.4 | 57.6 |

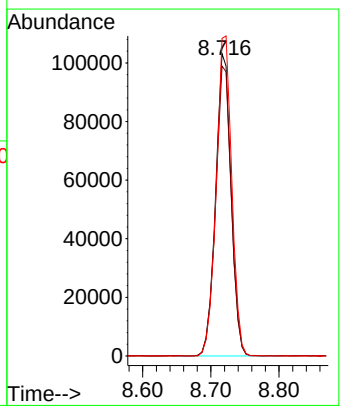


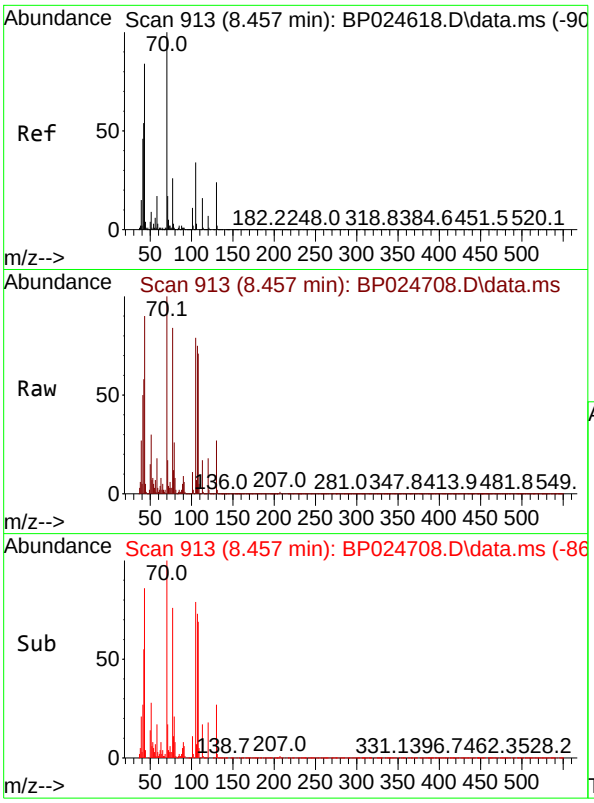




#18
Hexachloroethane
Concen: 39.533 ng
RT: 8.716 min Scan# 957
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:117 Resp: 162657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.0 | 79.4 | 119.0 |
| 201 | 105.1 | 82.7 | 124.1 |



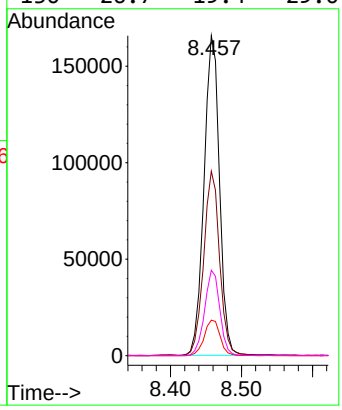


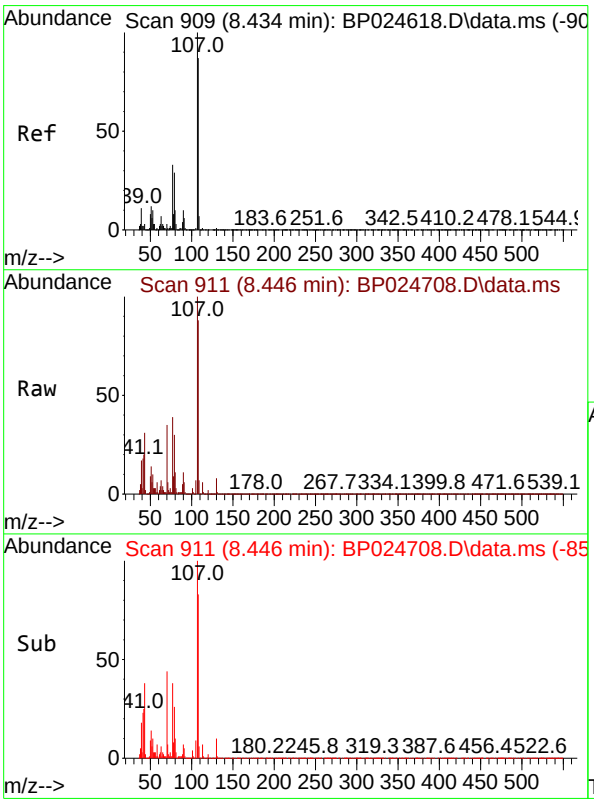

#19
n-Nitroso-di-n-propylamine
Concen: 34.851 ng
RT: 8.457 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion: 70 Resp: 251492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 57.6 | 43.0 | 64.6 |
| 101 | 11.1 | 8.7 | 13.1 |
| 130 | 26.7 | 19.4 | 29.0 |

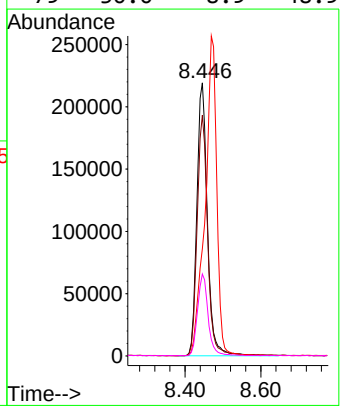


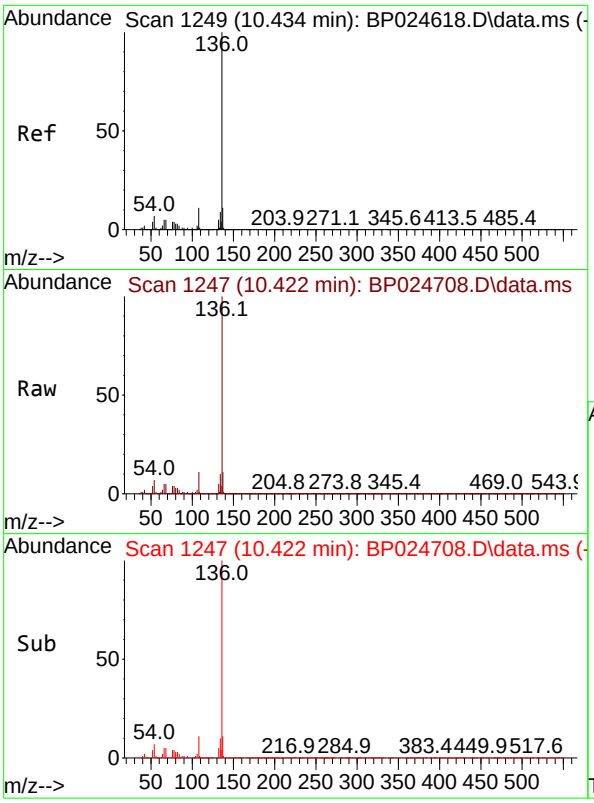




#20
3+4-Methylphenols
Concen: 40.492 ng
RT: 8.446 min Scan# 911
Delta R.T. 0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:107 Resp: 425353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.2 | 66.7 | 106.7 |
| 77 | 39.3 | 13.1 | 53.1 |
| 79 | 30.0 | 8.9 | 48.9 |



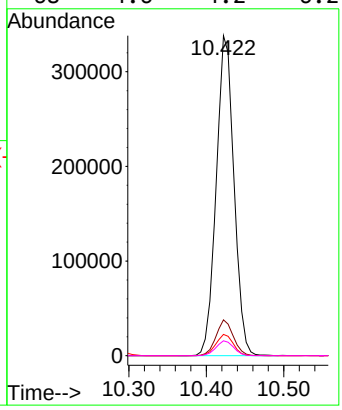


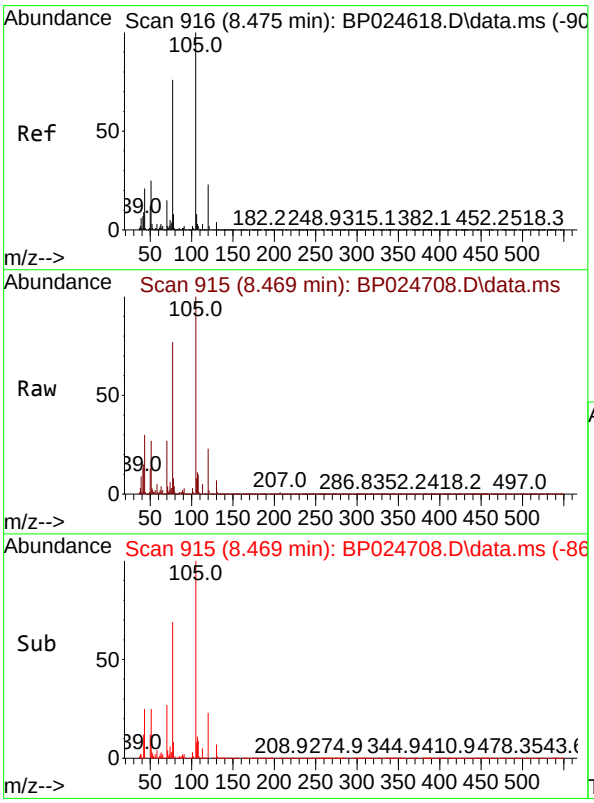

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:136 Resp: 538123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.8 | 13.2 |
| 54 | 6.6 | 5.5 | 8.3 |
| 68 | 4.6 | 4.2 | 6.2 |

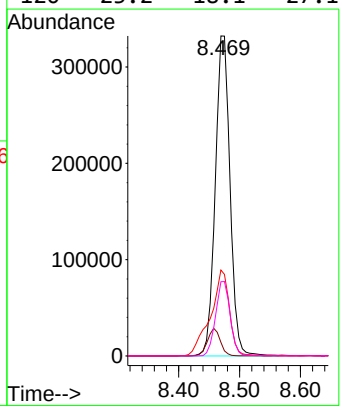


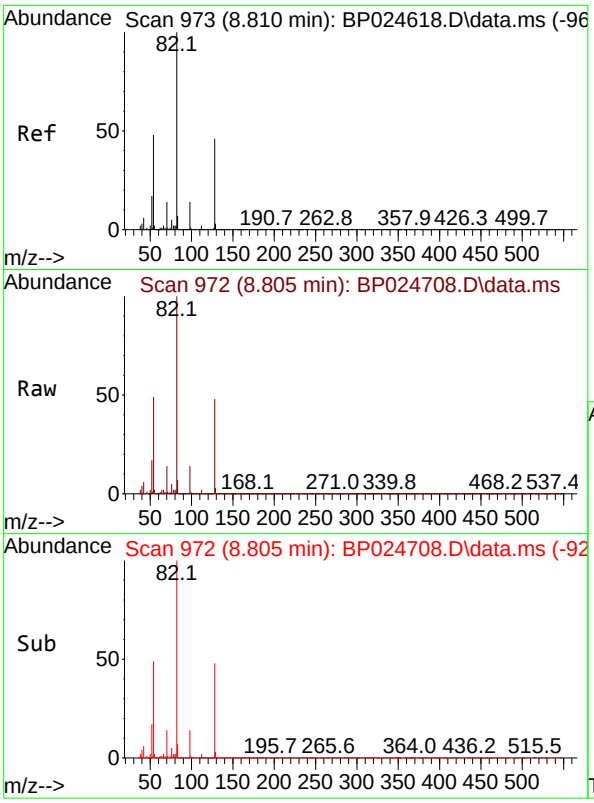




#22
Acetophenone
Concen: 41.596 ng
RT: 8.469 min Scan# 915
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:105 Resp: 559135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 4.3 | 2.0 | 3.0# |
| 51 | 26.9 | 20.4 | 30.6 |
| 120 | 23.2 | 18.1 | 27.1 |



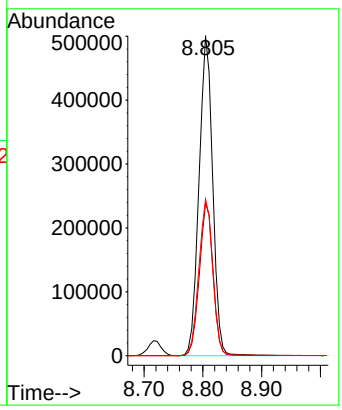


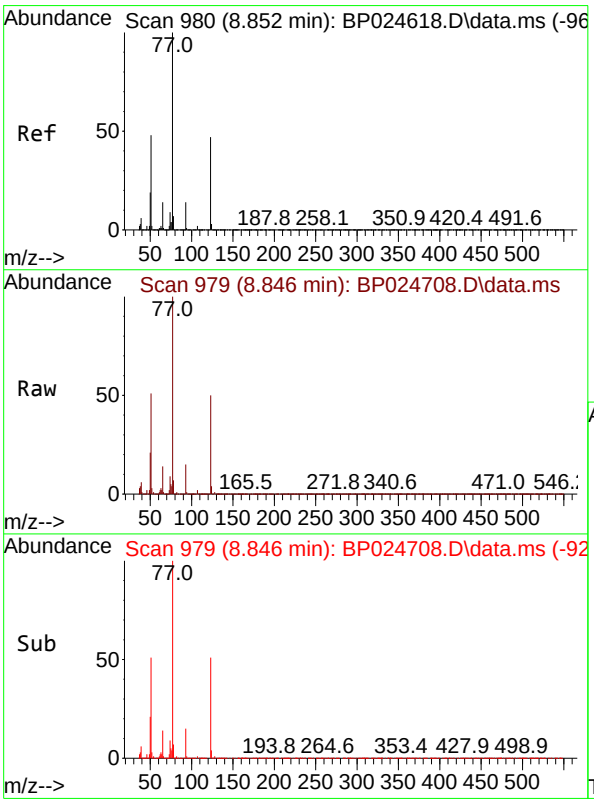

#23
Nitrobenzene-d5
Concen: 75.818 ng
RT: 8.805 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion: 82 Resp: 807485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.6 | 37.0 | 55.4 |
| 54 | 49.0 | 38.7 | 58.1 |

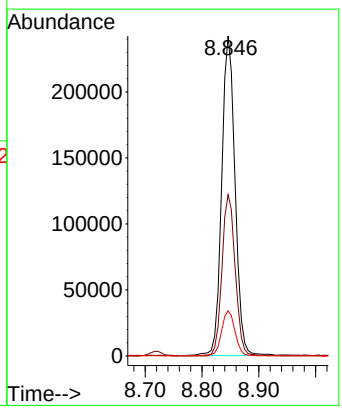


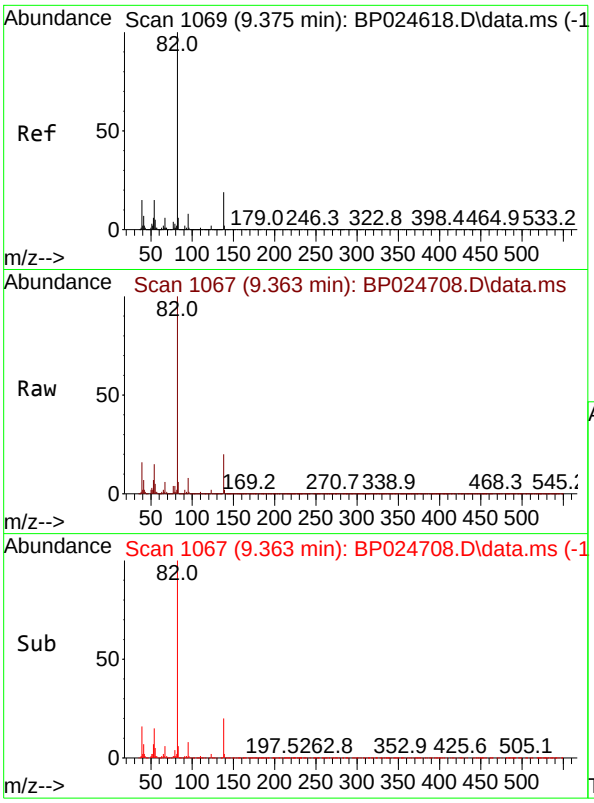




#24
Nitrobenzene
Concen: 42.239 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 77 Resp: 395885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 50.4 | 37.4 | 56.0 |
| 65 | 14.1 | 11.3 | 16.9 |



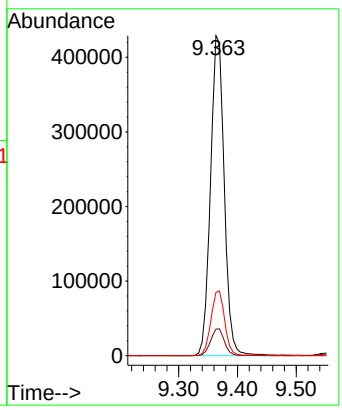


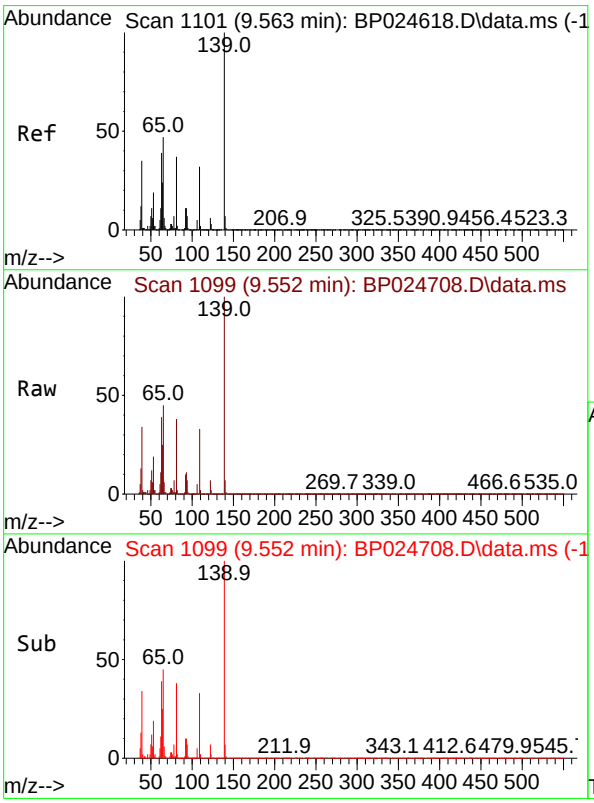

#25
Isophorone
Concen: 37.737 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion: 82 Resp: 697164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.3 | 6.3 | 9.5 |
| 138 | 19.8 | 15.3 | 22.9 |

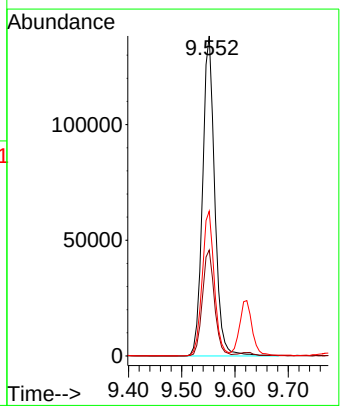


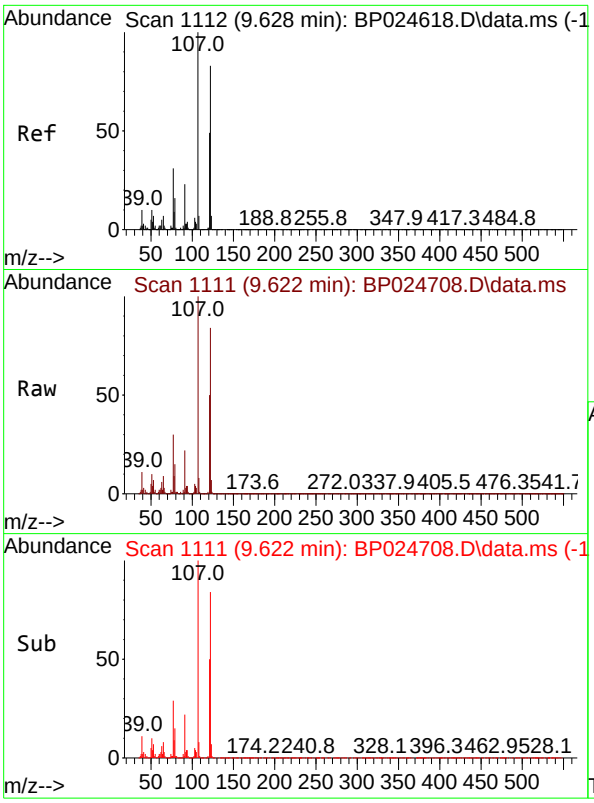




#26
2-Nitrophenol
Concen: 47.744 ng
RT: 9.552 min Scan# 1099
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:139 Resp: 219271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 33.1 | 25.9 | 38.9 |
| 65 | 45.2 | 37.9 | 56.9 |



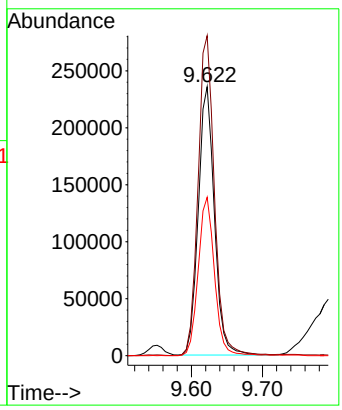


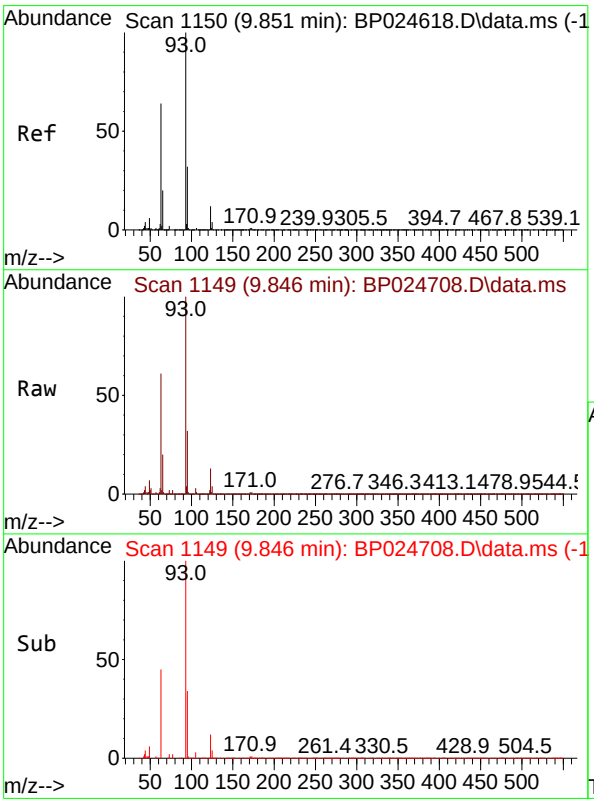

#27
2,4-Dimethylphenol
Concen: 45.988 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:122 Resp: 372381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 118.9 | 96.2 | 144.2 |
| 121 | 58.9 | 47.6 | 71.4 |

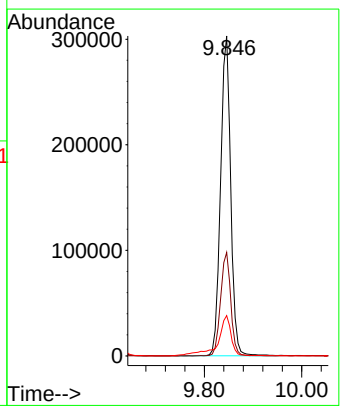


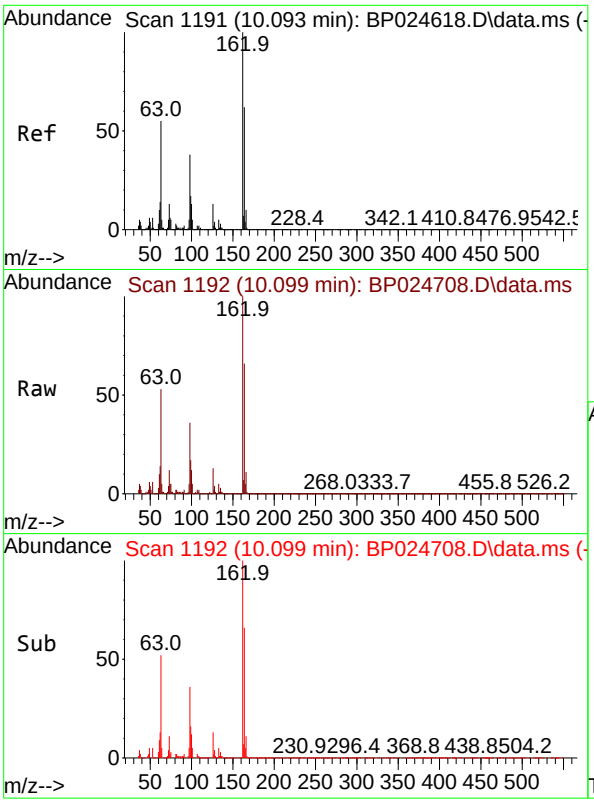




#28
bis(2-Chloroethoxy)methane
Concen: 39.691 ng
RT: 9.846 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 93 Resp: 438080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.3 | 25.5 | 38.3 |
| 123 | 12.6 | 9.7 | 14.5 |



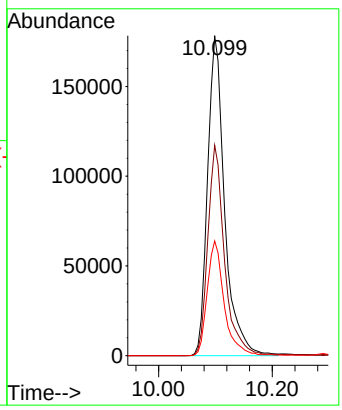


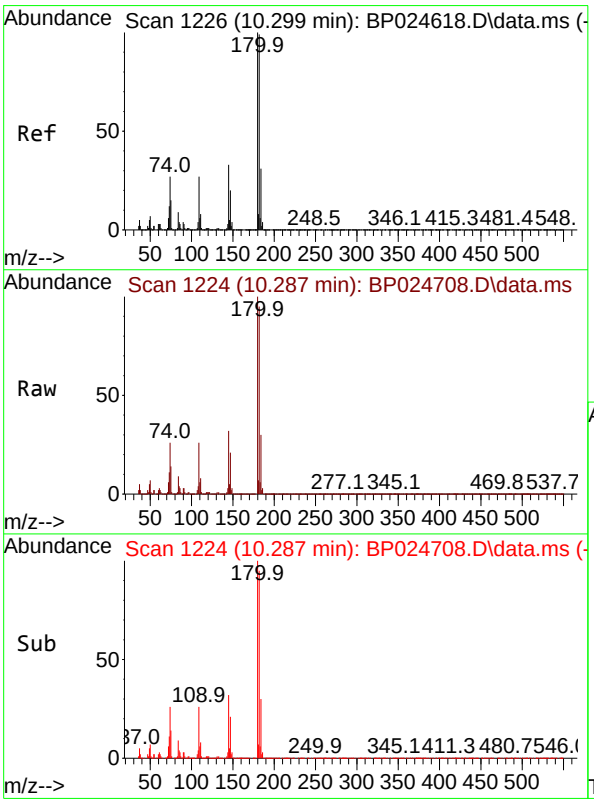

#29
2,4-Dichlorophenol
Concen: 47.224 ng
RT: 10.099 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:162 Resp: 370553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 65.8 | 42.3 | 82.3 |
| 98 | 35.8 | 18.4 | 58.4 |

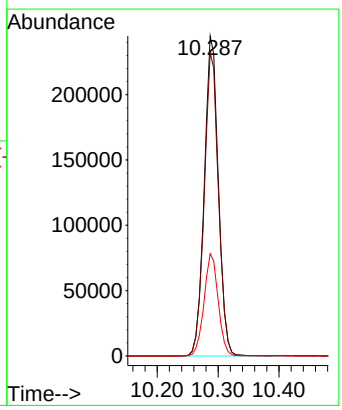


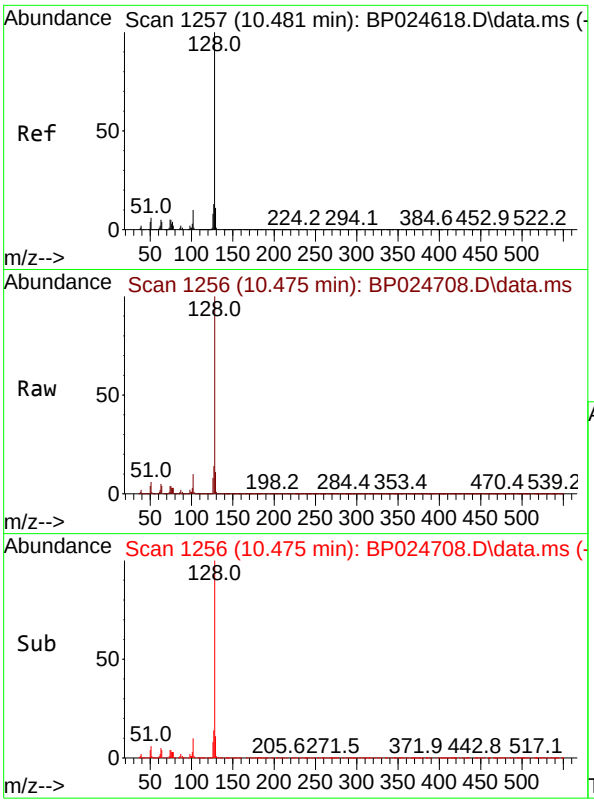




#30
1,2,4-Trichlorobenzene
Concen: 44.400 ng
RT: 10.287 min Scan# 1224
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:180 Resp: 392603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.8 | 79.0 | 118.4 |
| 145 | 31.9 | 26.6 | 39.8 |



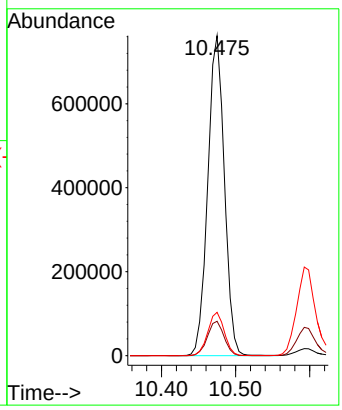


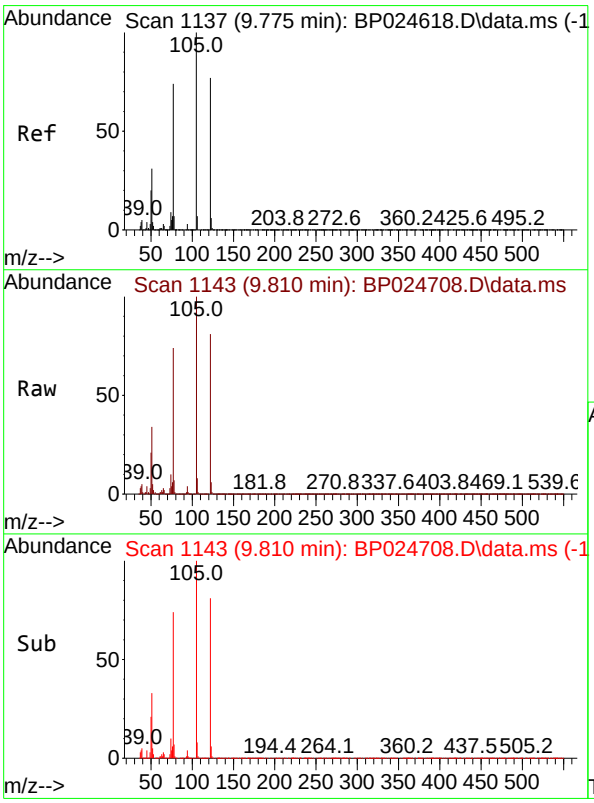

#31
Naphthalene
Concen: 42.522 ng
RT: 10.475 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:128 Resp: 1185760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.8 | 13.2 |
| 127 | 13.6 | 10.7 | 16.1 |

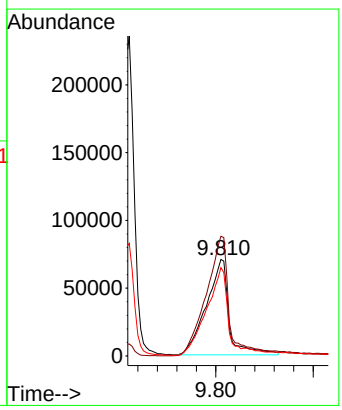


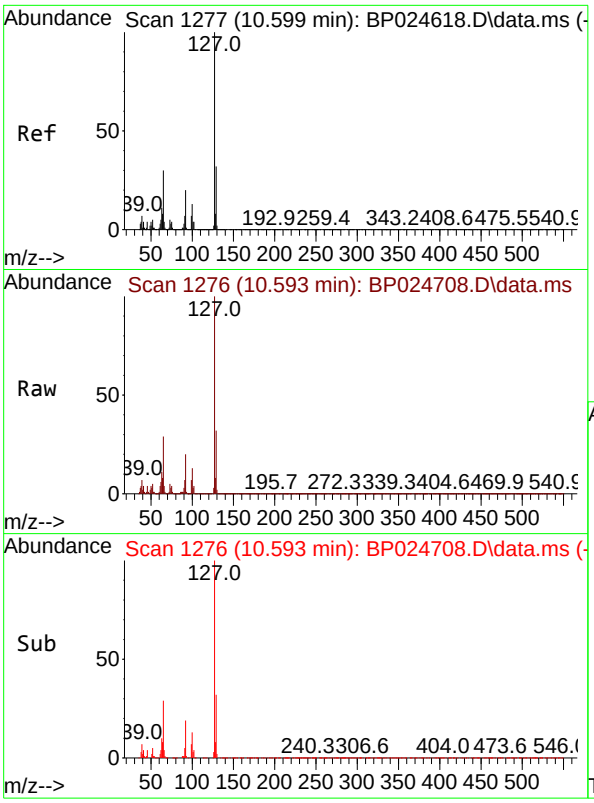




#32
Benzoic acid
Concen: 41.680 ng
RT: 9.810 min Scan# 1143
Delta R.T. 0.035 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:122 Resp: 228390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.0 | 106.9 | 146.9 |
| 77 | 91.6 | 75.1 | 115.1 |



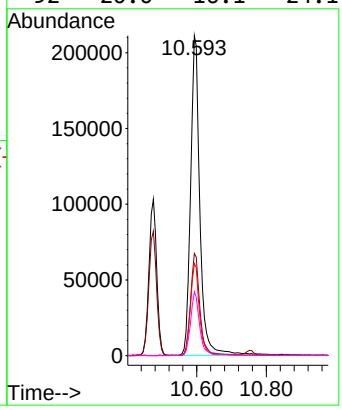


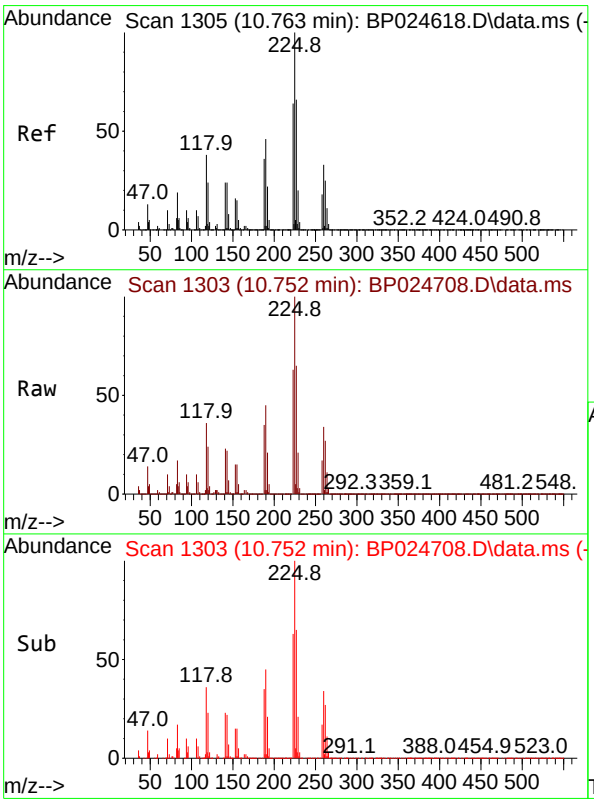

#33
4-Chloroaniline
Concen: 34.925 ng
RT: 10.593 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:127 Resp: 393001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.0 | 25.8 | 38.6 |
| 65 | 28.8 | 23.9 | 35.9 |
| 92 | 20.0 | 16.1 | 24.1 |

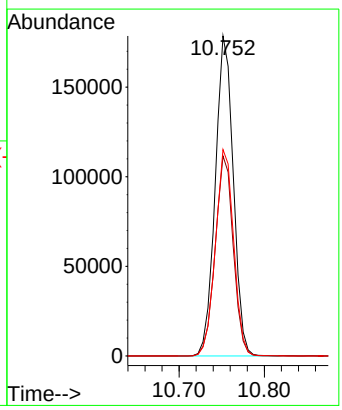


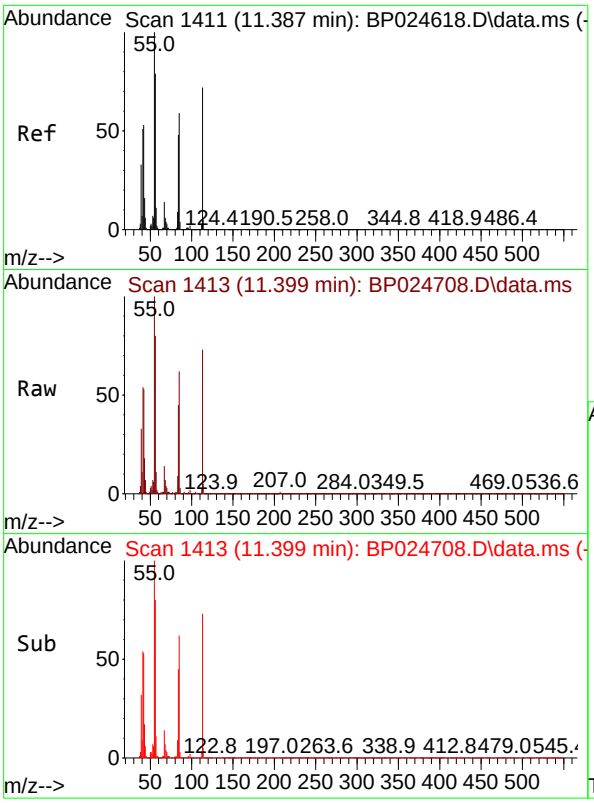




#34
Hexachlorobutadiene
Concen: 45.836 ng
RT: 10.752 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:225 Resp: 262558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.5 | 51.0 | 76.6 |
| 227 | 64.5 | 53.1 | 79.7 |



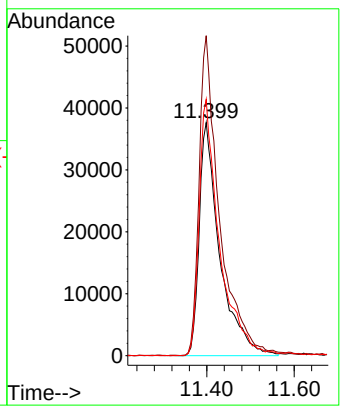


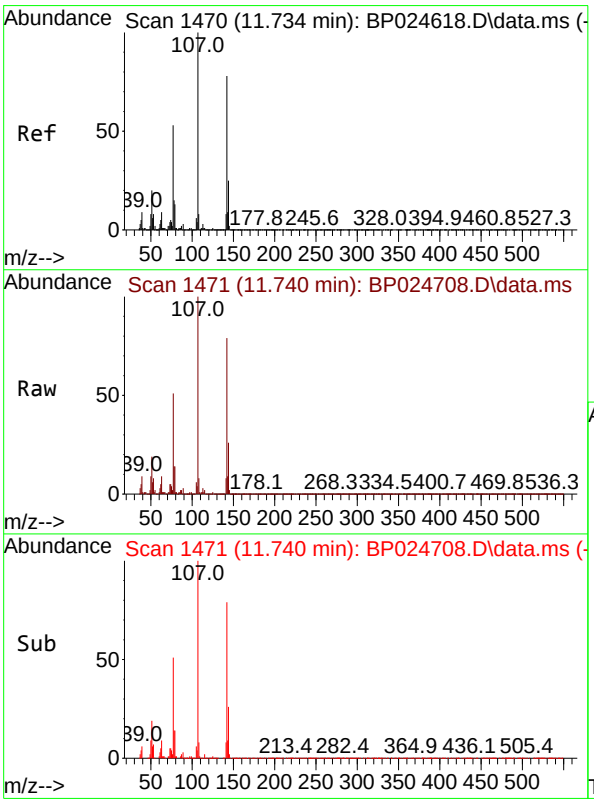

#35
Caprolactam
Concen: 43.305 ng
RT: 11.399 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:113 Resp: 122940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 137.2 | 119.0 | 159.0 |
| 56 | 109.9 | 90.3 | 130.3 |

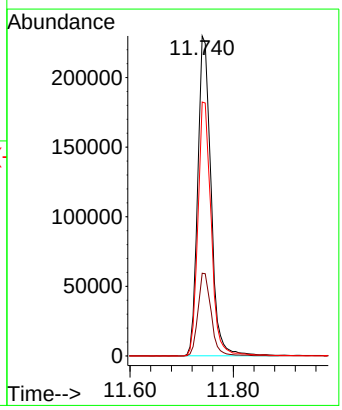


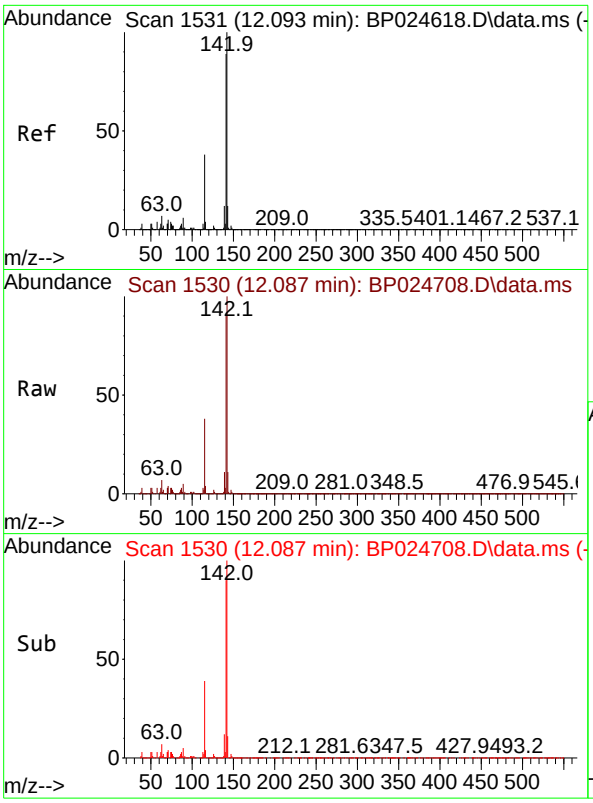




#36
4-Chloro-3-methylphenol
Concen: 42.794 ng
RT: 11.740 min Scan# 1471
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:107 Resp: 409493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.9 | 20.1 | 30.1 |
| 142 | 79.3 | 62.1 | 93.1 |



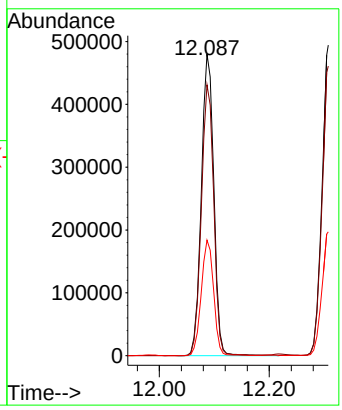


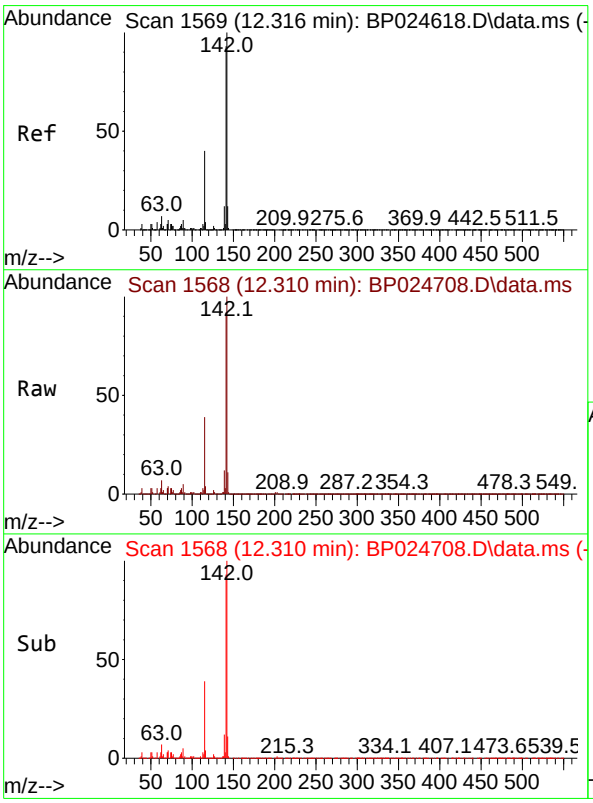

#37
2-Methylnaphthalene
Concen: 41.862 ng
RT: 12.087 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:142 Resp: 755884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.8 | 71.2 | 106.8 |
| 115 | 38.3 | 30.6 | 46.0 |

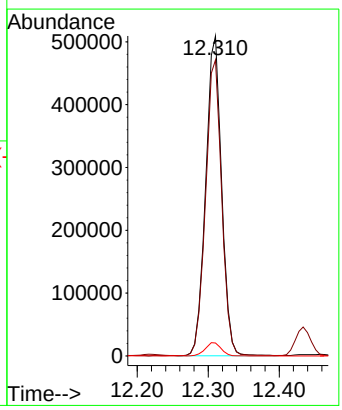


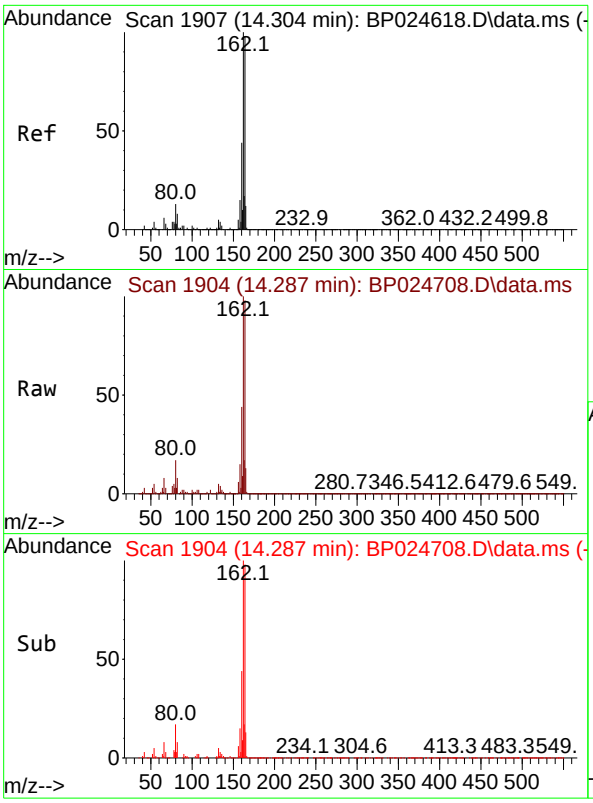




#38
1-Methylnaphthalene
Concen: 41.005 ng
RT: 12.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:142 Resp: 792211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.5 | 74.7 | 112.1 |
| 116 | 4.1 | 3.4 | 5.2 |



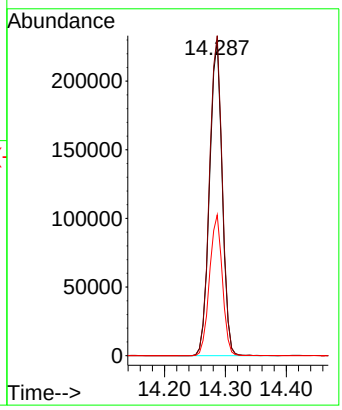


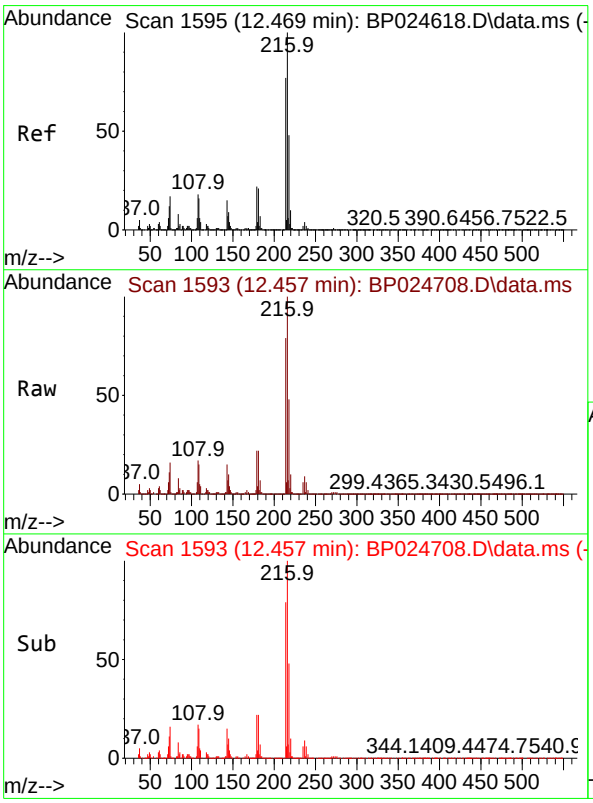

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:164 Resp: 329718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.7 | 81.8 | 122.6 |
| 160 | 44.7 | 36.3 | 54.5 |

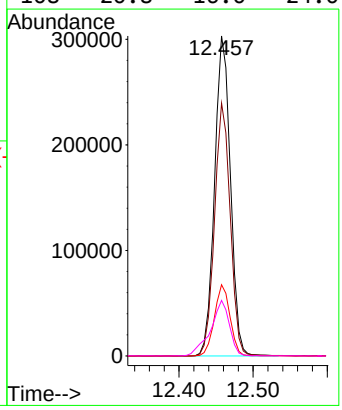


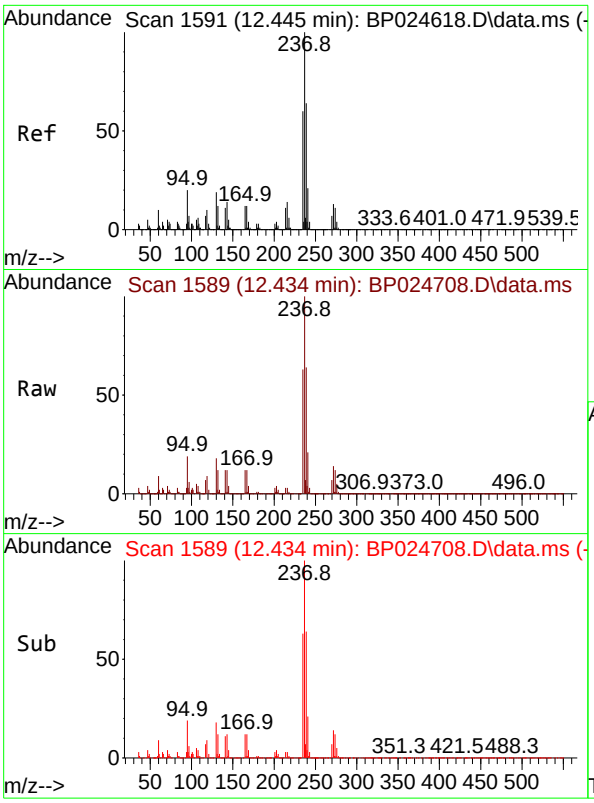




#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.016 ng
RT: 12.457 min Scan# 1593
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:216 Resp: 450159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.4 | 62.3 | 93.5 |
| 179 | 22.0 | 17.7 | 26.5 |
| 108 | 20.8 | 16.0 | 24.0 |



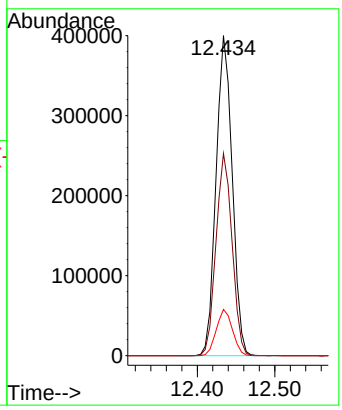


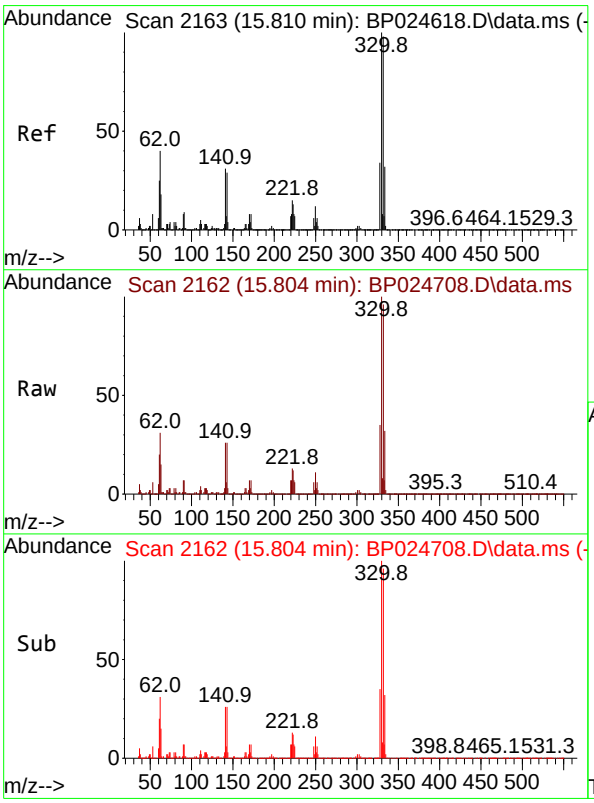

#41
Hexachlorocyclopentadiene
Concen: 99.710 ng
RT: 12.434 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:237 Resp: 578889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.2 | 39.9 | 79.9 |
| 272 | 14.4 | 0.0 | 33.2 |

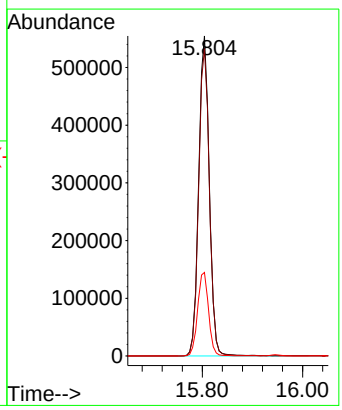


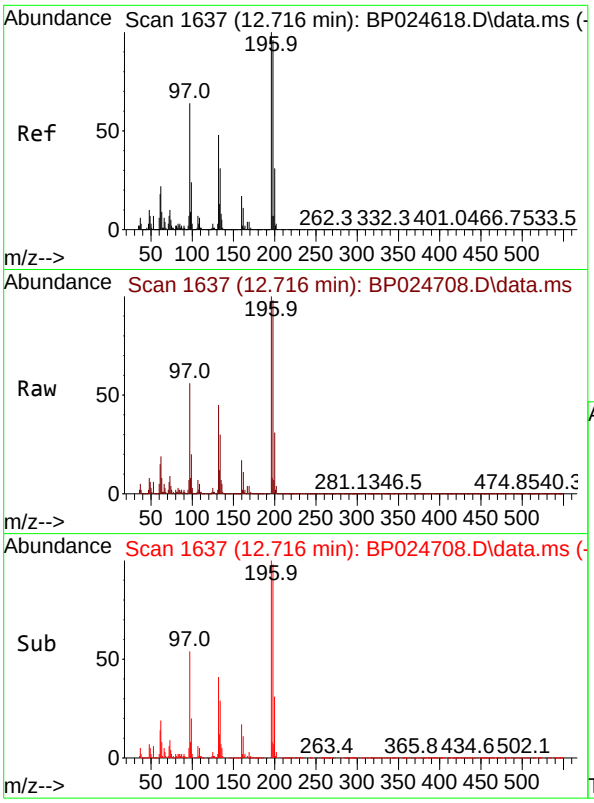




#42
2,4,6-Tribromophenol
Concen: 146.094 ng
RT: 15.804 min Scan# 2162
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:330 Resp: 816620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.6 | 78.2 | 117.4 |
| 141 | 26.8 | 24.3 | 36.5 |



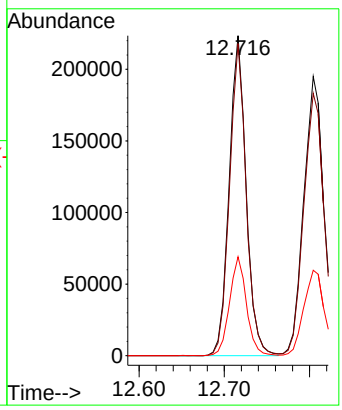


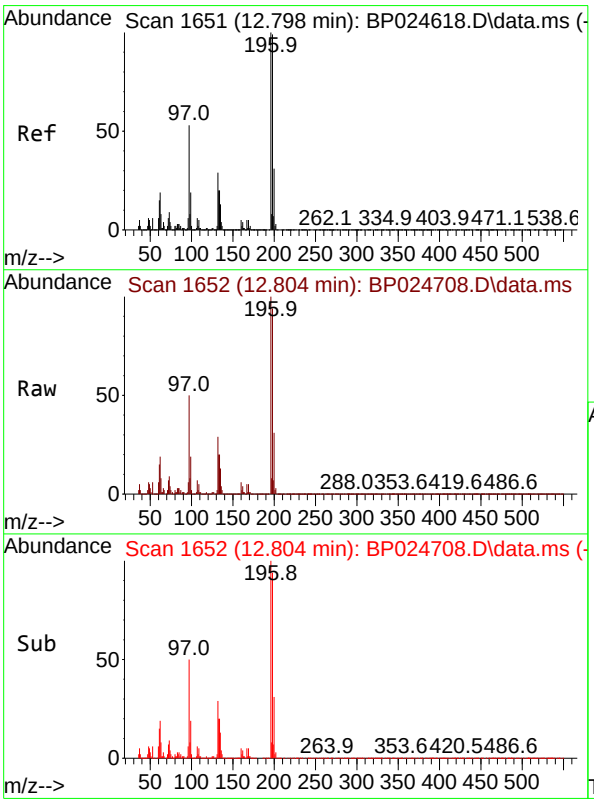

#43
2,4,6-Trichlorophenol
Concen: 49.774 ng
RT: 12.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:196 Resp: 308678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 97.6 | 76.9 | 115.3 |
| 200 | 30.9 | 25.2 | 37.8 |

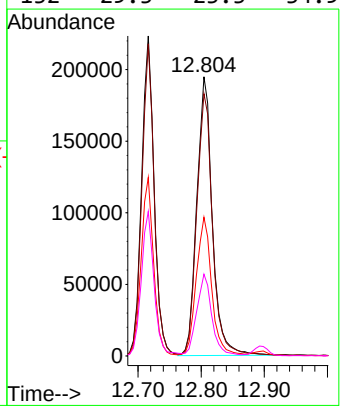


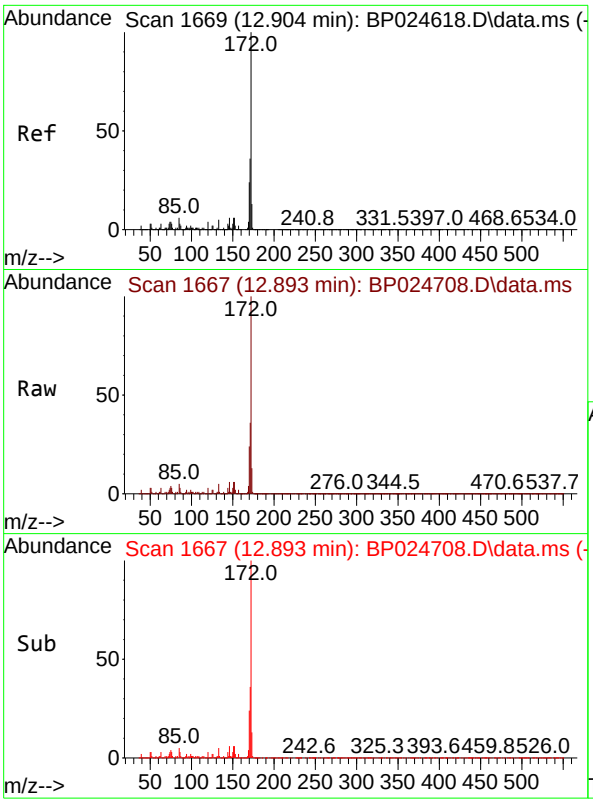




#44
2,4,5-Trichlorophenol
Concen: 48.366 ng
RT: 12.804 min Scan# 1652
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:196 Resp: 333877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 93.9 | 79.2 | 118.8 |
| 97 | 49.7 | 42.3 | 63.5 |
| 132 | 29.3 | 23.3 | 34.9 |



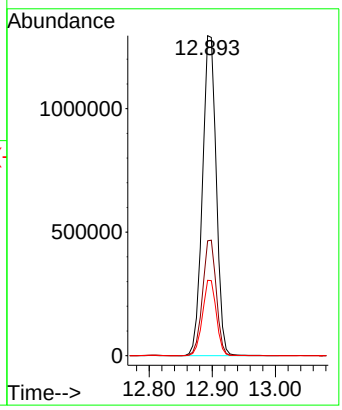


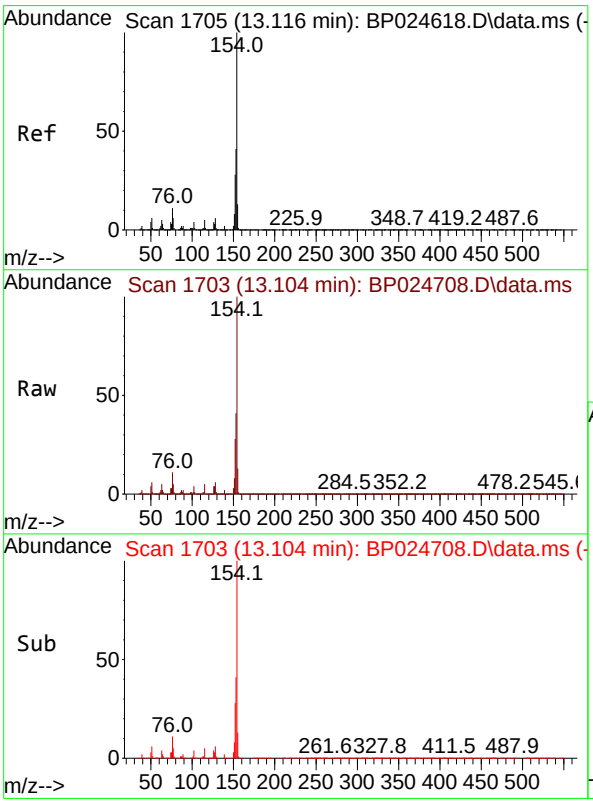

#45
2-Fluorobiphenyl
Concen: 78.074 ng
RT: 12.893 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:172 Resp: 1964889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.9 | 28.8 | 43.2 |
| 170 | 23.5 | 18.8 | 28.2 |

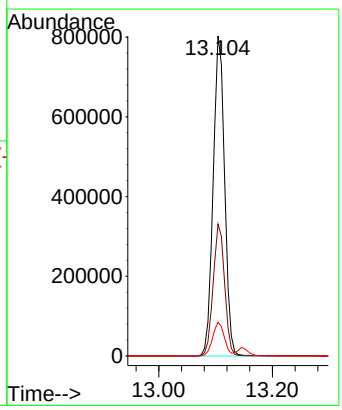


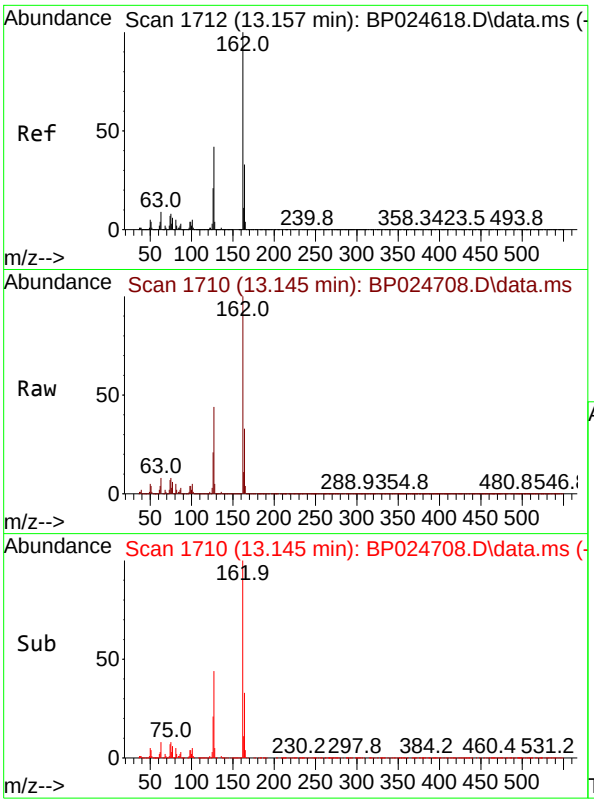




#46
1,1'-Biphenyl
Concen: 45.948 ng
RT: 13.104 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:154 Resp: 1119732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.2 | 21.0 | 61.0 |
| 76 | 10.6 | 0.0 | 31.5 |



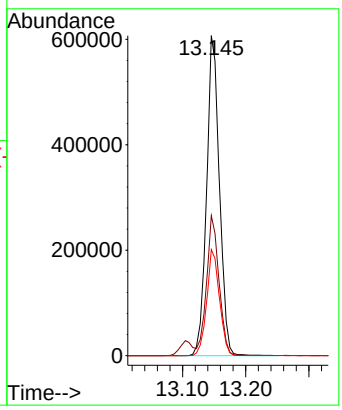


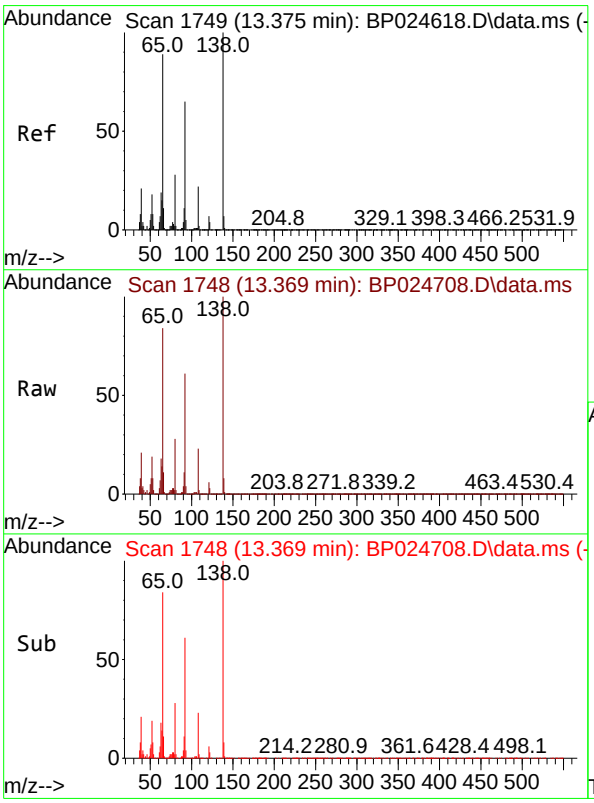

#47
2-Chloronaphthalene
Concen: 46.157 ng
RT: 13.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:162 Resp: 857654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.8 | 33.8 | 50.6 |
| 164 | 33.2 | 26.0 | 39.0 |

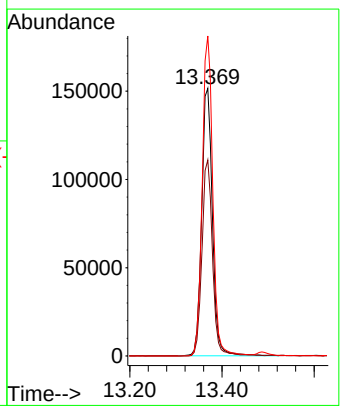


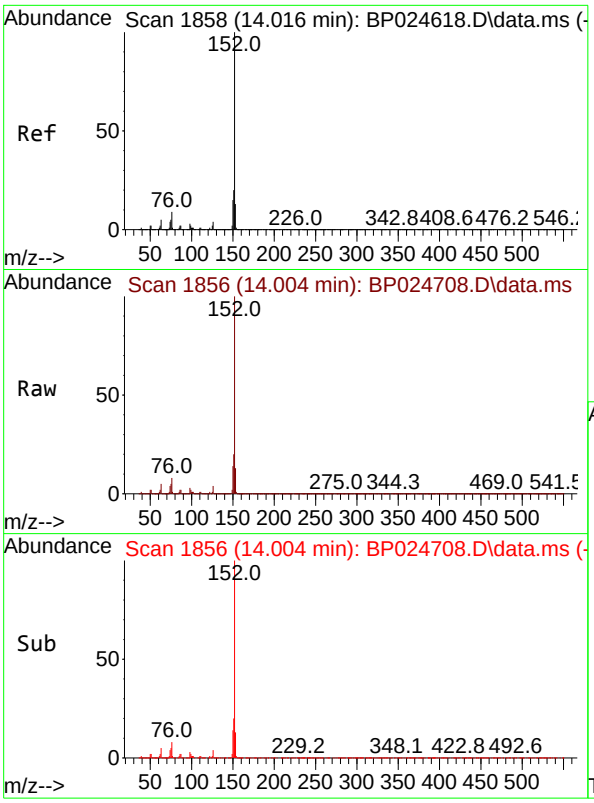




#48
2-Nitroaniline
Concen: 45.061 ng
RT: 13.369 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion: 65 Resp: 247888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 73.3 | 58.7 | 88.1 |
| 138 | 119.6 | 90.2 | 135.2 |



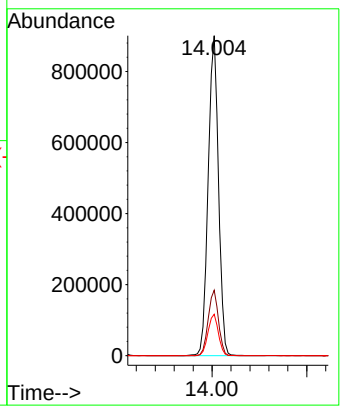


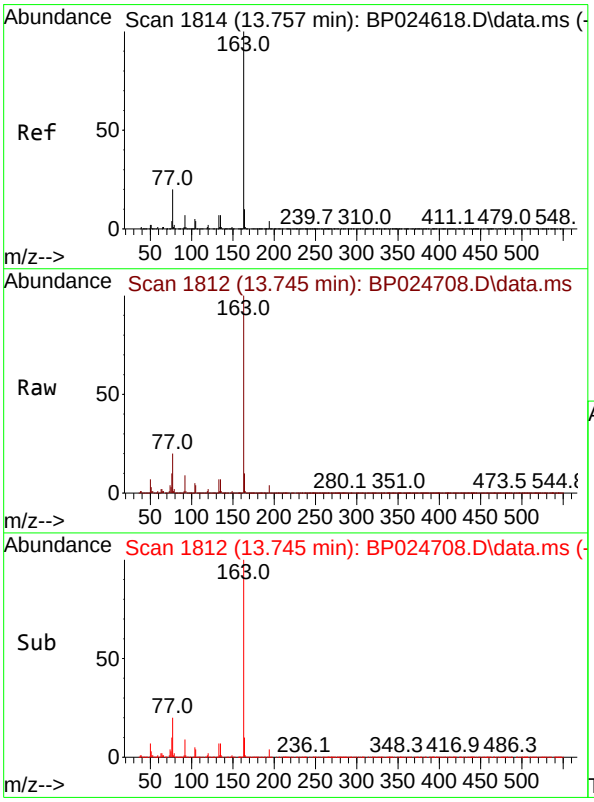

#49
Acenaphthylene
Concen: 43.666 ng
RT: 14.004 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:152 Resp: 1357825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.5 | 16.2 | 24.4 |
| 153 | 13.0 | 10.2 | 15.4 |

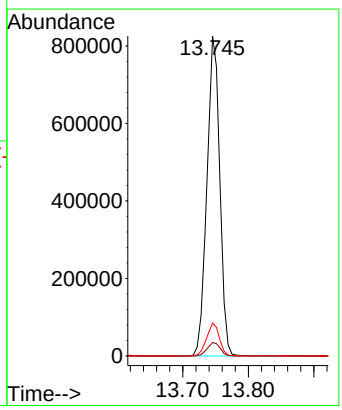


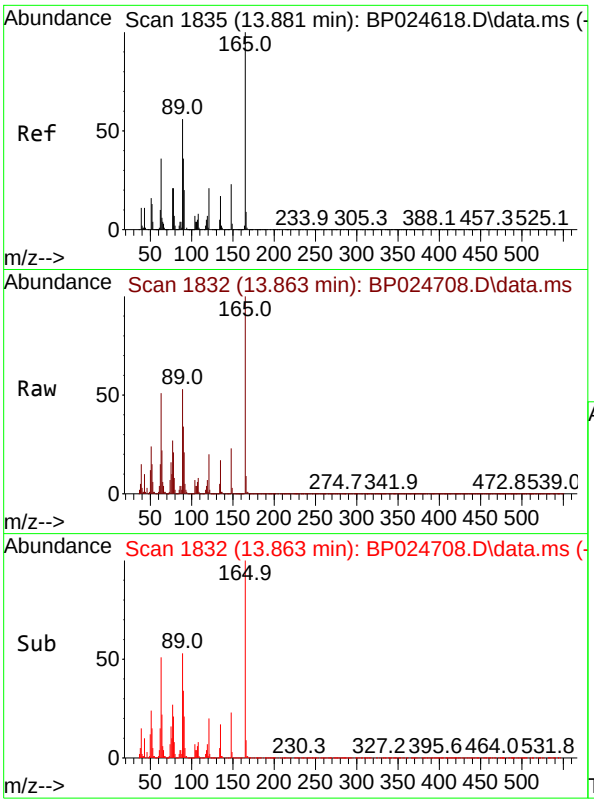




#50
Dimethylphthalate
Concen: 44.835 ng
RT: 13.745 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:163 Resp: 1126770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.4 | 5.0 |
| 164 | 10.2 | 8.1 | 12.1 |



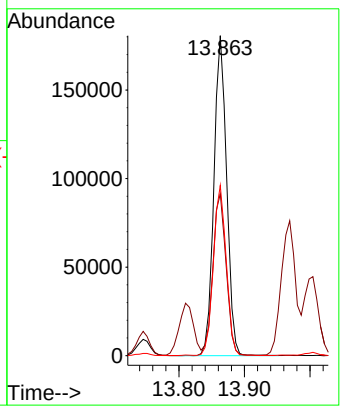


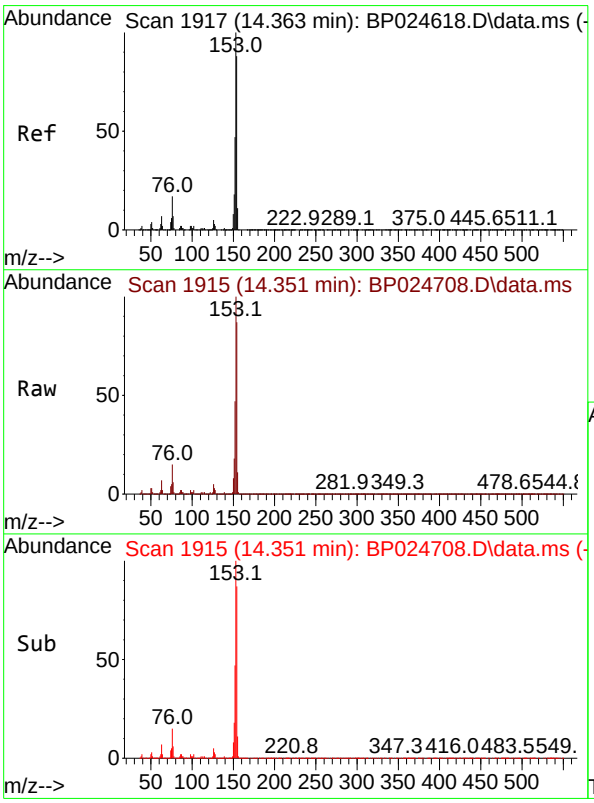

#51
2,6-Dinitrotoluene
Concen: 45.757 ng
RT: 13.863 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:165 Resp: 242858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 50.6 | 42.4 | 63.6 |
| 89 | 53.2 | 44.8 | 67.2 |

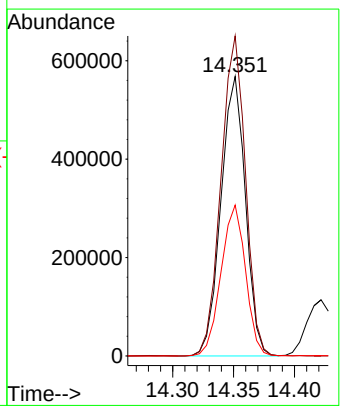


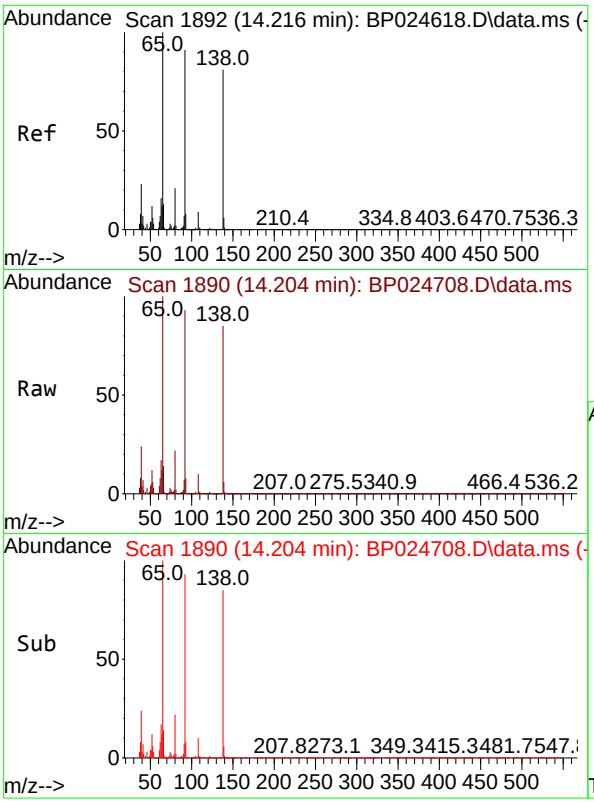




#52
Acenaphthene
Concen: 44.519 ng
RT: 14.351 min Scan# 1915
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:154 Resp: 795831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 114.5 | 91.0 | 136.4 |
| 152 | 54.0 | 42.9 | 64.3 |



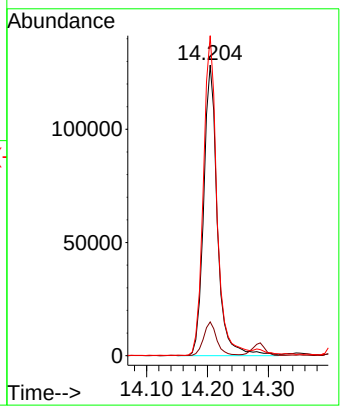


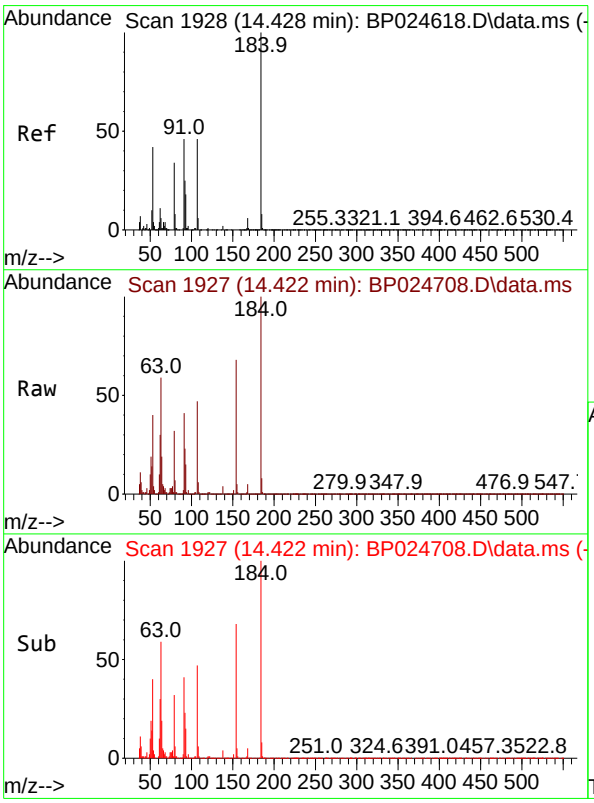

#53
3-Nitroaniline
Concen: 37.085 ng
RT: 14.204 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:138 Resp: 200980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.6 | 9.0 | 13.4 |
| 92 | 110.2 | 90.1 | 135.1 |

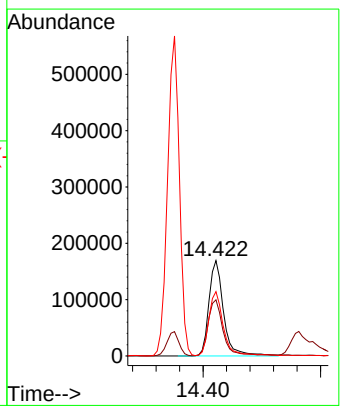


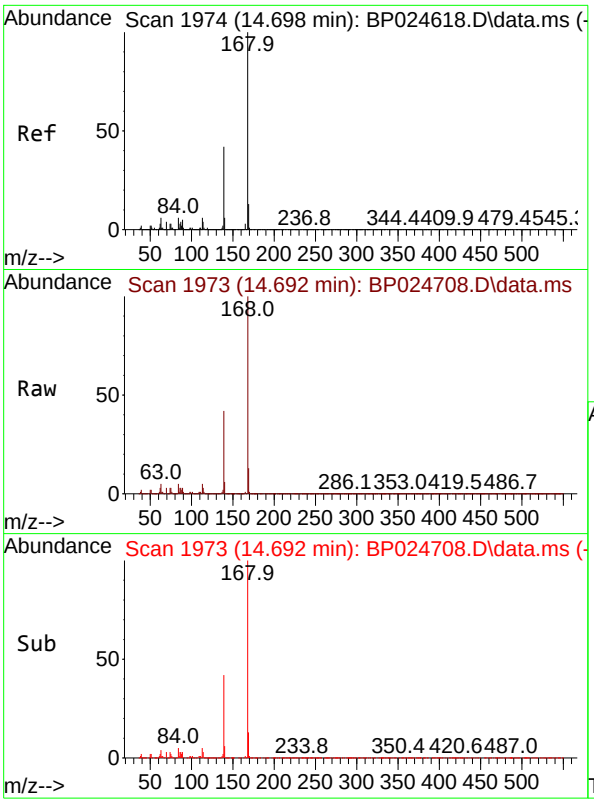




#54
2,4-Dinitrophenol
Concen: 86.708 ng
RT: 14.422 min Scan# 1927
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:184 Resp: 292154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 59.0 | 51.3 | 76.9 |
| 154 | 67.5 | 53.5 | 80.3 |



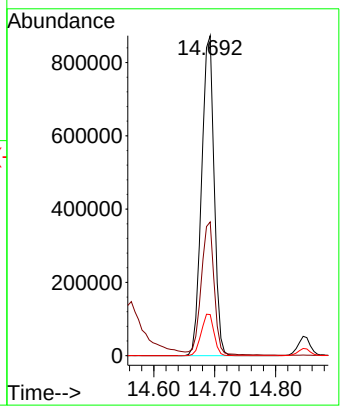


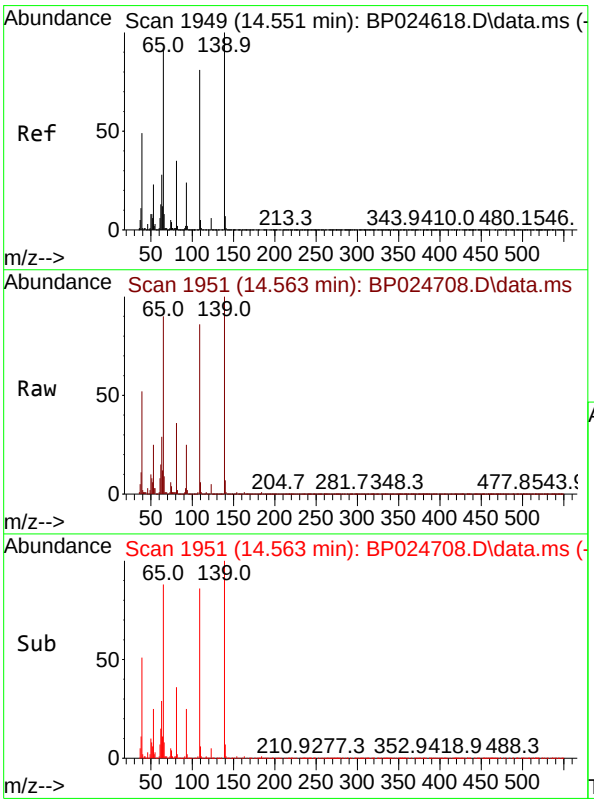

#55
Dibenzofuran
Concen: 43.677 ng
RT: 14.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:168 Resp: 1245387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.8 | 34.2 | 51.4 |
| 169 | 12.8 | 10.8 | 16.2 |

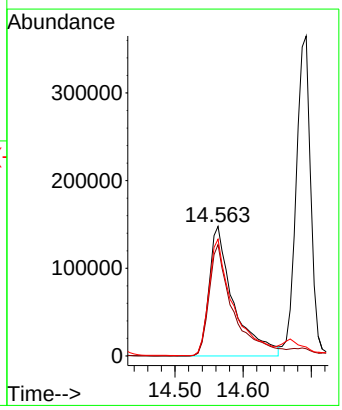


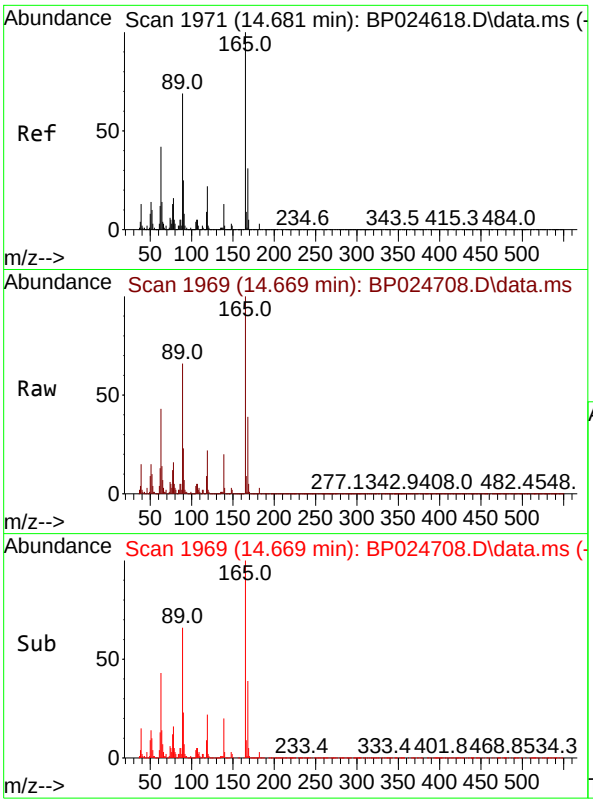




#56
4-Nitrophenol
Concen: 78.370 ng
RT: 14.563 min Scan# 1951
Delta R.T. 0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:139 Resp: 367273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 85.9 | 61.4 | 101.4 |
| 65 | 90.2 | 72.2 | 112.2 |



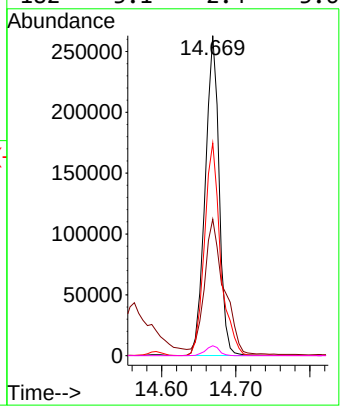


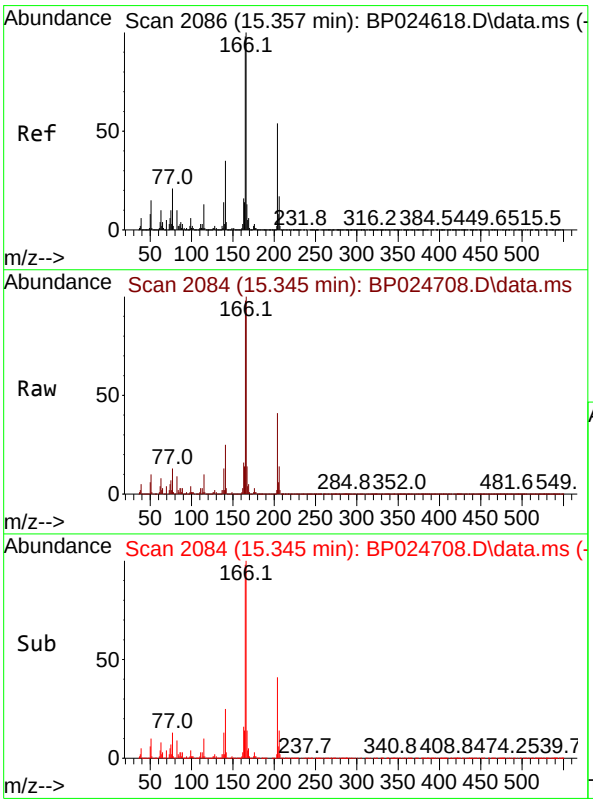

#57
2,4-Dinitrotoluene
Concen: 45.895 ng
RT: 14.669 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:165 Resp: 343419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 42.7 | 33.8 | 50.6 |
| 89 | 66.5 | 55.6 | 83.4 |
| 182 | 3.1 | 2.4 | 3.6 |

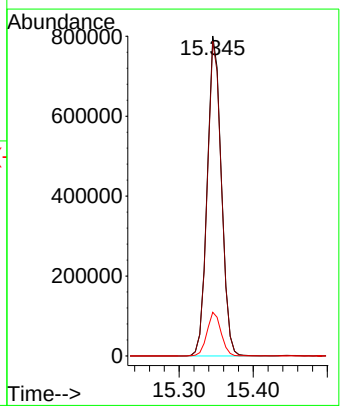


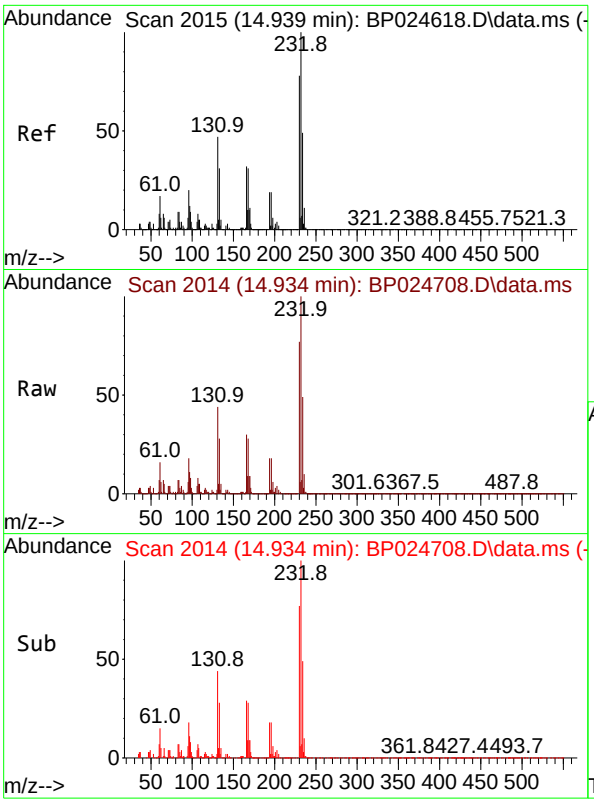




#58
Fluorene
Concen: 45.608 ng
RT: 15.345 min Scan# 2084
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:166 Resp: 1060372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.4 | 78.5 | 117.7 |
| 167 | 13.7 | 10.7 | 16.1 |



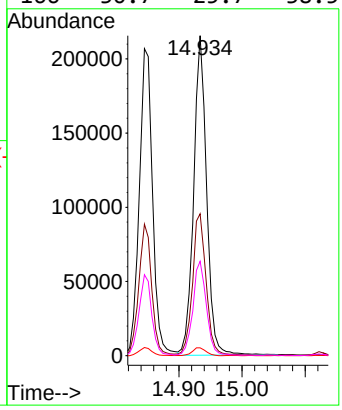


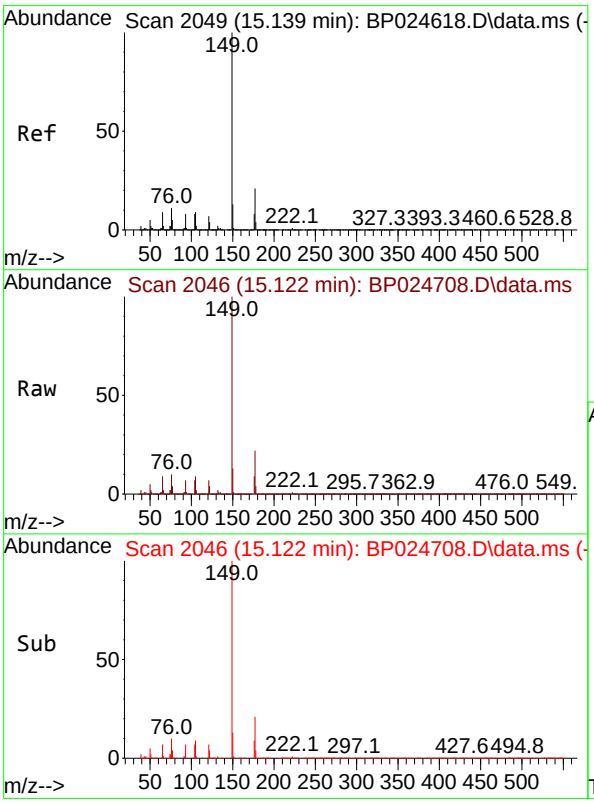

#59
2,3,4,6-Tetrachlorophenol
Concen: 47.983 ng
RT: 14.934 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:232 Resp: 307270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 47.1 | 39.5 | 59.3 |
| 130 | 2.6 | 2.2 | 3.4 |
| 166 | 30.7 | 25.7 | 38.5 |

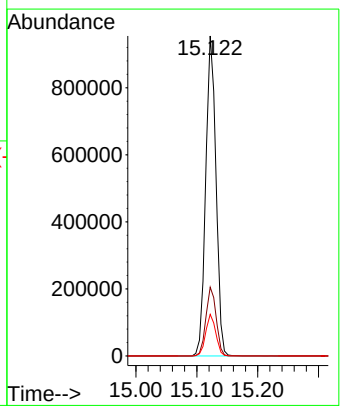


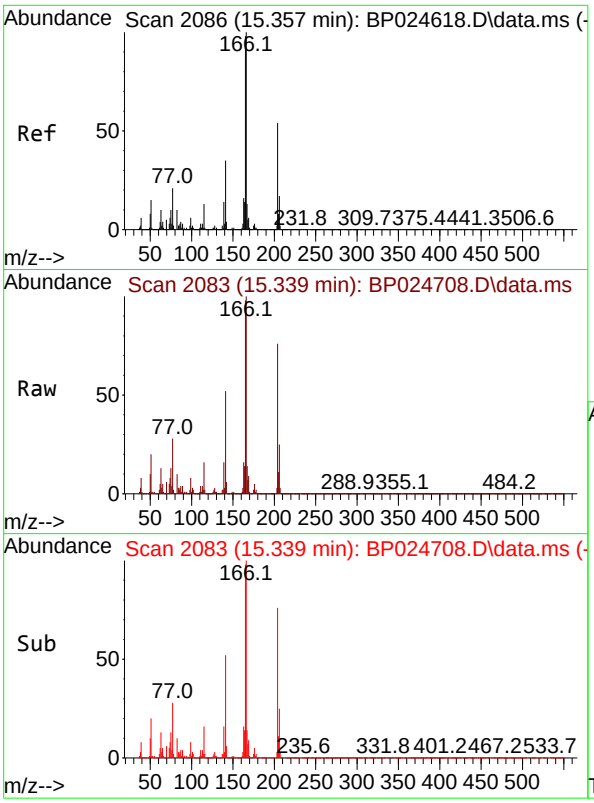




#60
Diethylphthalate
Concen: 44.119 ng
RT: 15.122 min Scan# 2046
Delta R.T. -0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:149 Resp: 1120632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.5 | 16.7 | 25.1 |
| 150 | 13.0 | 10.2 | 15.2 |



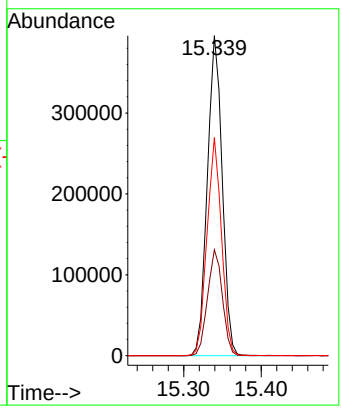


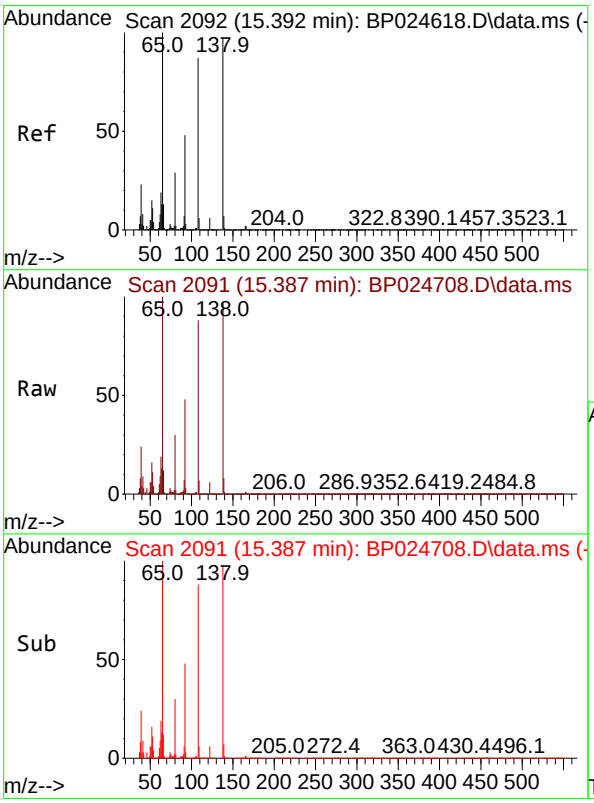

#61
4-Chlorophenyl-phenylether
Concen: 45.439 ng
RT: 15.339 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:204 Resp: 526856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.1 | 26.0 | 39.0 |
| 141 | 68.1 | 52.9 | 79.3 |

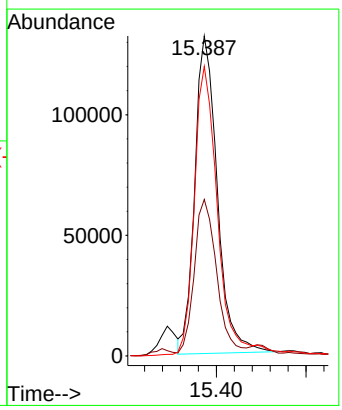


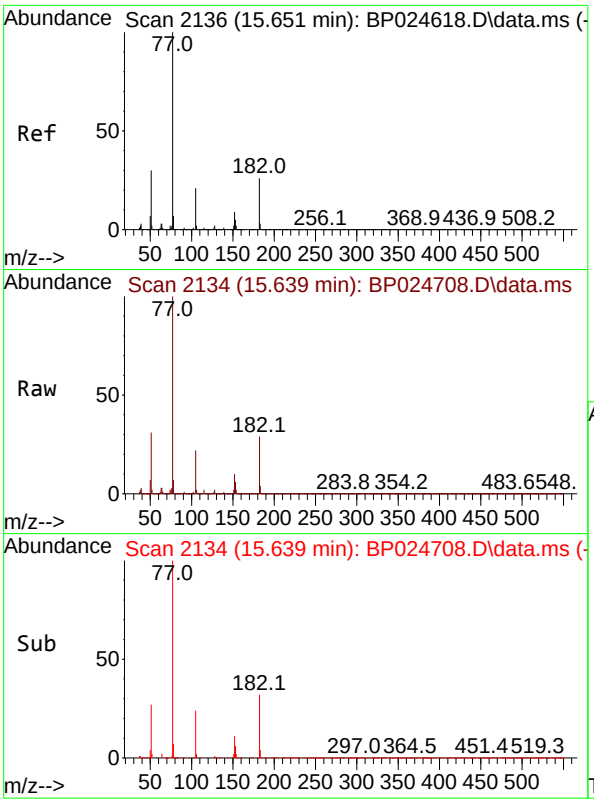




#62
4-Nitroaniline
Concen: 43.760 ng
RT: 15.387 min Scan# 2091
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:138 Resp: 228988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 48.9 | 29.2 | 69.2 |
| 108 | 90.5 | 69.0 | 109.0 |



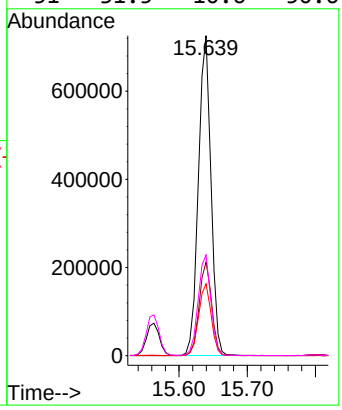


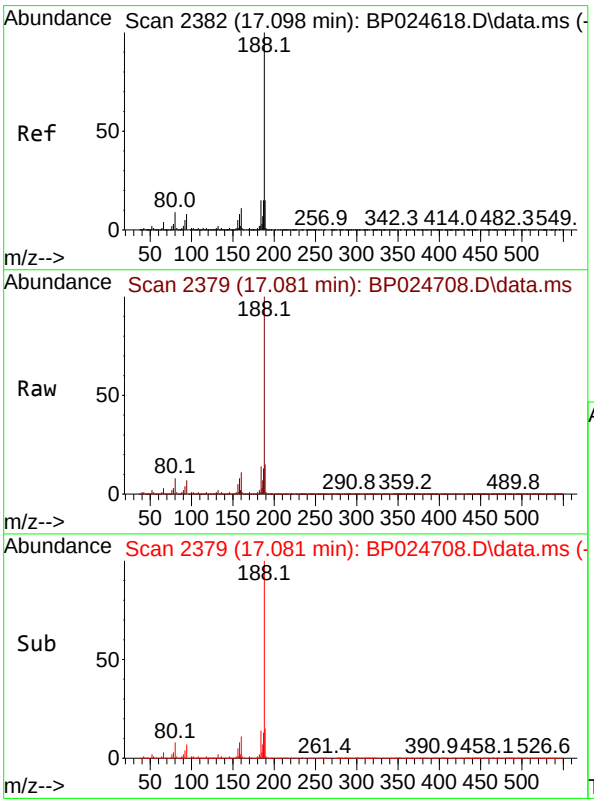

#63
Azobenzene
Concen: 42.749 ng
RT: 15.639 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion: 77 Resp: 928905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 29.2 | 5.7 | 45.7 |
| 105 | 22.5 | 1.3 | 41.3 |
| 51 | 31.5 | 10.6 | 50.6 |

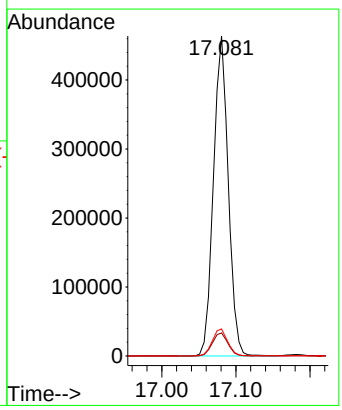


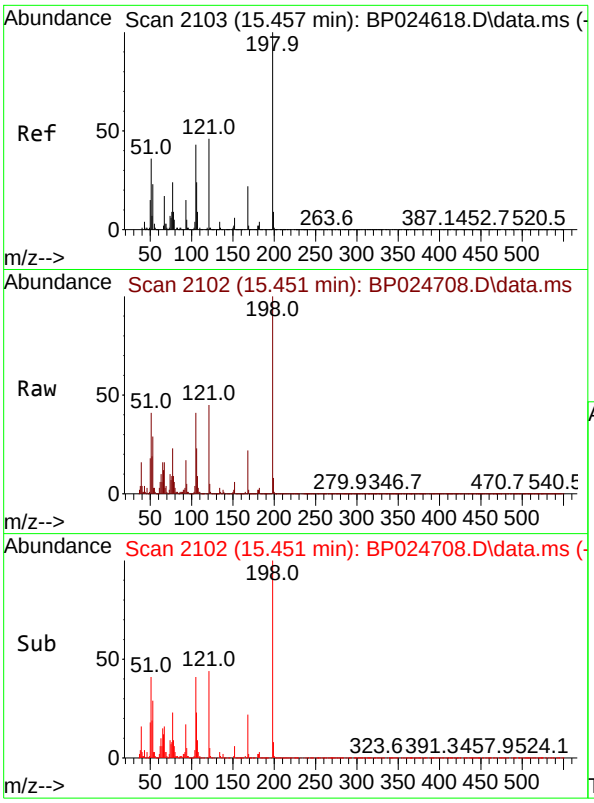




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.081 min Scan# 2379
Delta R.T. -0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:188 Resp: 642991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.2 | 6.5 | 9.7 |
| 80 | 8.5 | 7.3 | 10.9 |



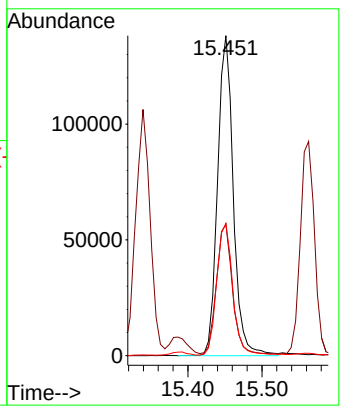


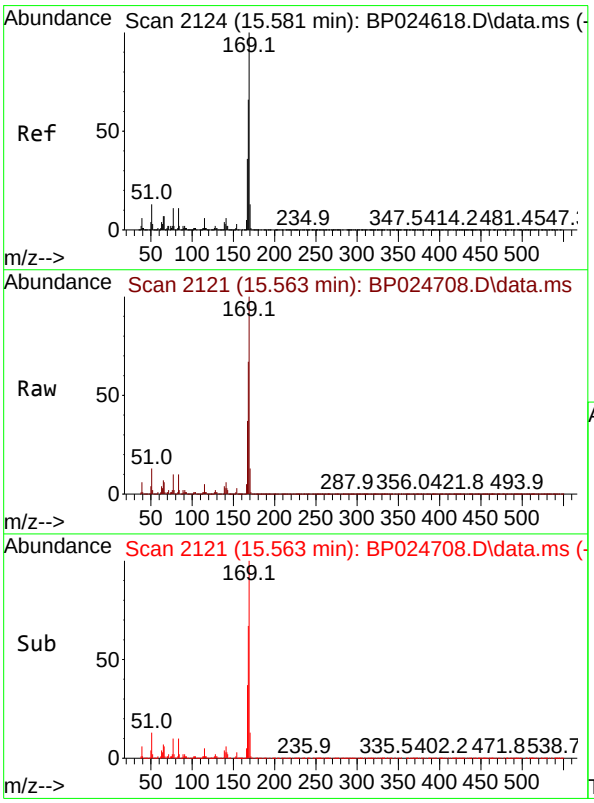

#65
4,6-Dinitro-2-methylphenol
Concen: 49.028 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:198 Resp: 203628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 41.0 | 21.1 | 61.1 |
| 105 | 41.4 | 23.6 | 63.6 |

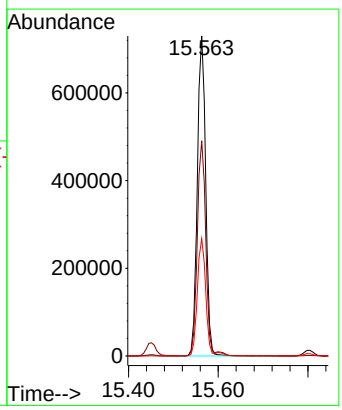


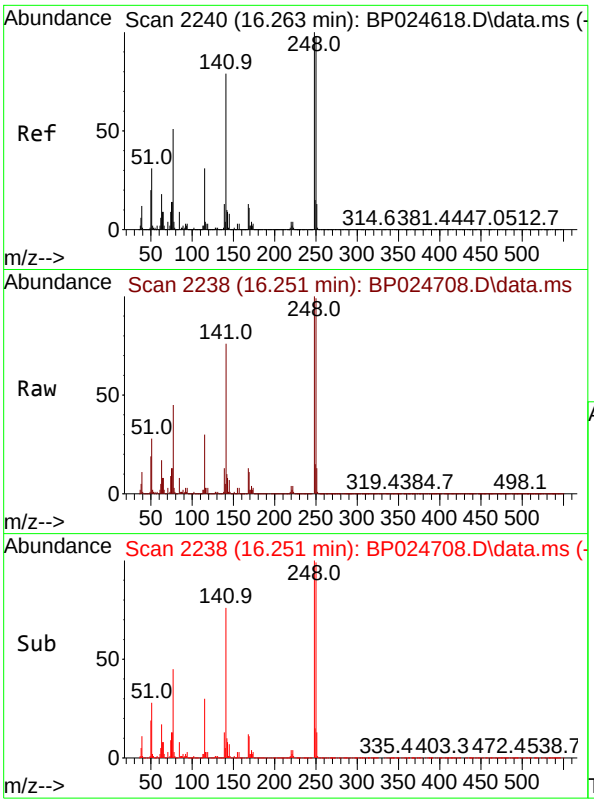




#66
n-Nitrosodiphenylamine
Concen: 47.509 ng
RT: 15.563 min Scan# 2121
Delta R.T. -0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:169 Resp: 938311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.2 | 53.2 | 79.8 |
| 167 | 36.6 | 28.6 | 43.0 |



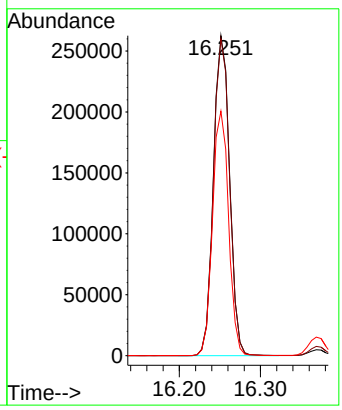


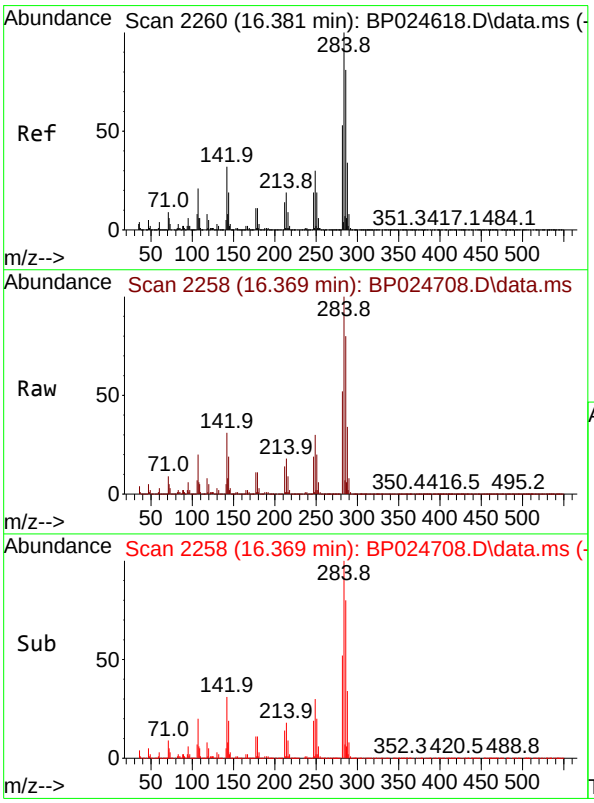

#67
4-Bromophenyl-phenylether
Concen: 48.013 ng
RT: 16.251 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:248 Resp: 363780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 99.0 | 78.2 | 117.4 |
| 141 | 76.4 | 63.0 | 94.6 |

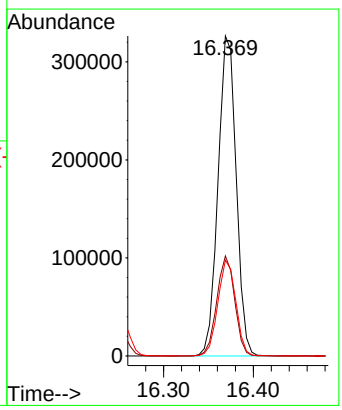


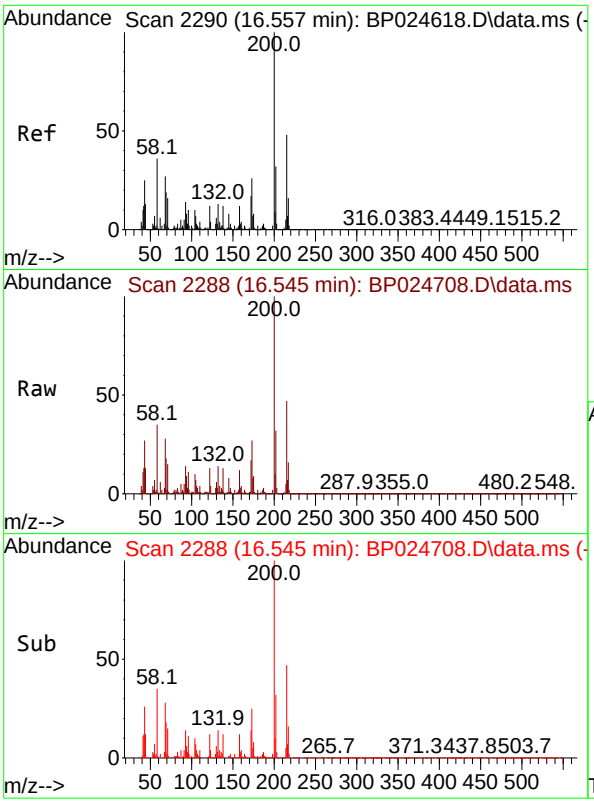




#68
Hexachlorobenzene
Concen: 47.591 ng
RT: 16.369 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:284 Resp: 458184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.3 | 25.9 | 38.9 |
| 249 | 29.9 | 24.1 | 36.1 |



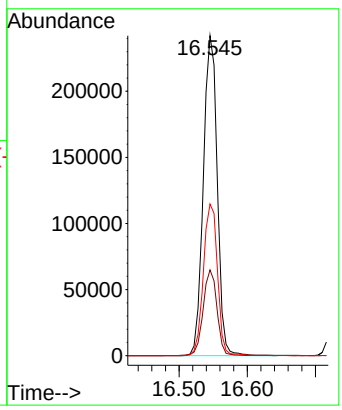


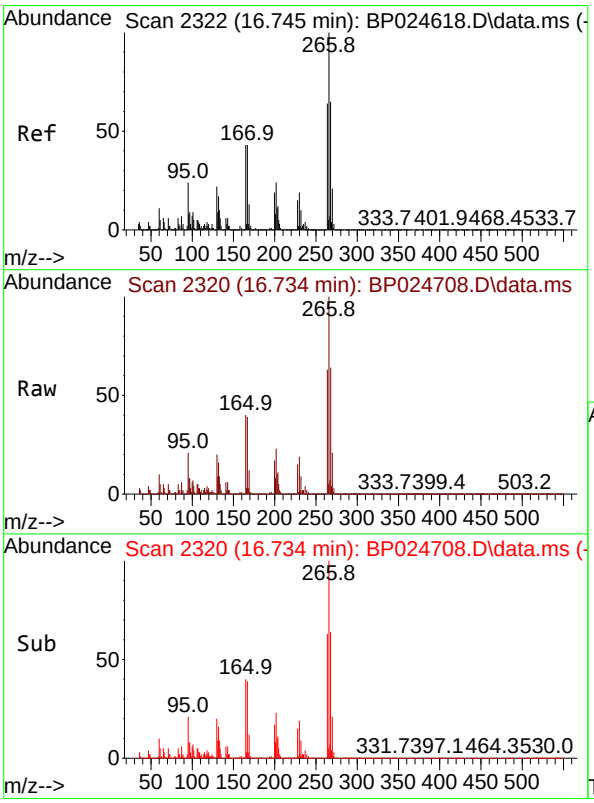

#69
Atrazine
Concen: 47.570 ng
RT: 16.545 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:200 Resp: 344306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.8 | 5.9 | 45.9 |
| 215 | 47.4 | 28.3 | 68.3 |

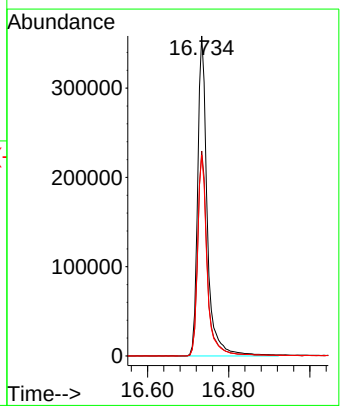


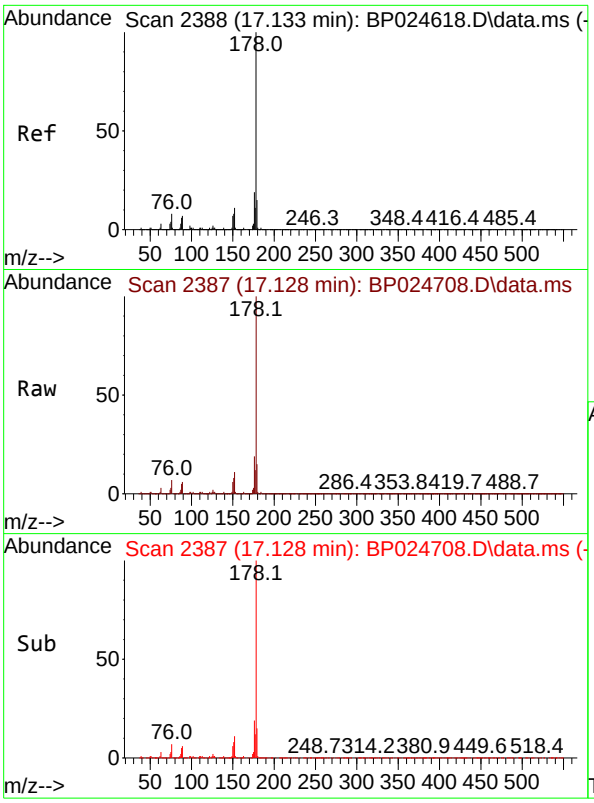




#70
Pentachlorophenol
Concen: 109.332 ng
RT: 16.734 min Scan# 2320
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:266 Resp: 590870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.1 | 52.2 | 78.4 |
| 264 | 62.8 | 51.1 | 76.7 |



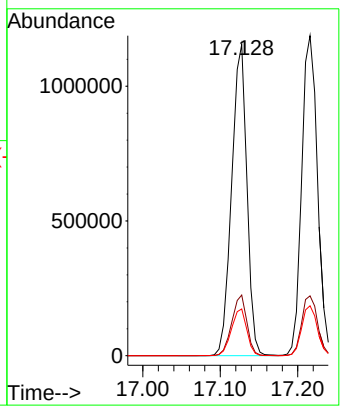


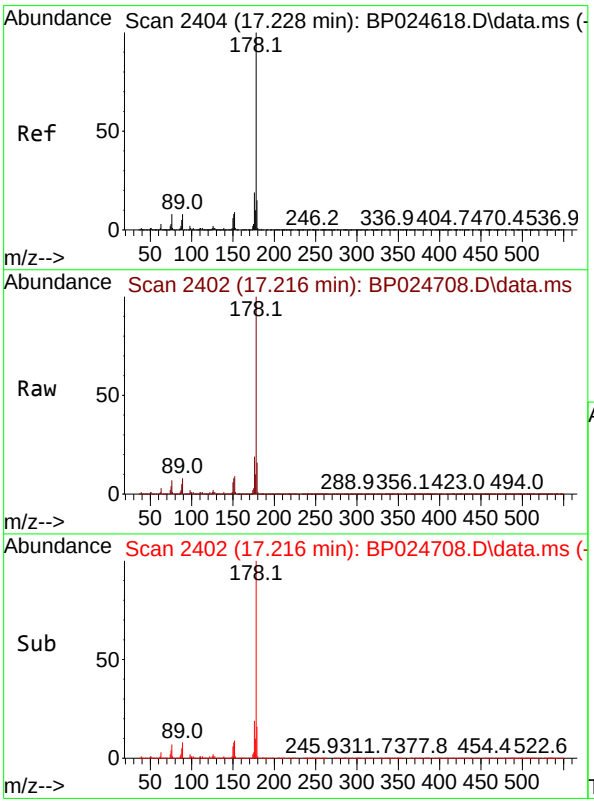

#71
Phenanthrene
Concen: 44.362 ng
RT: 17.128 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:178 Resp: 1585722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 15.4 | 23.2 |
| 179 | 15.0 | 12.2 | 18.4 |

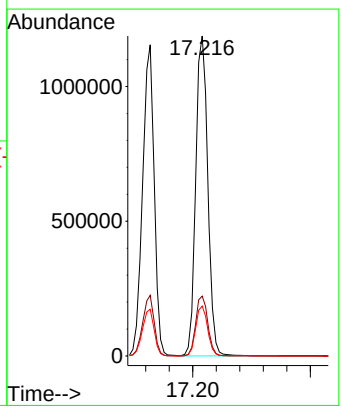


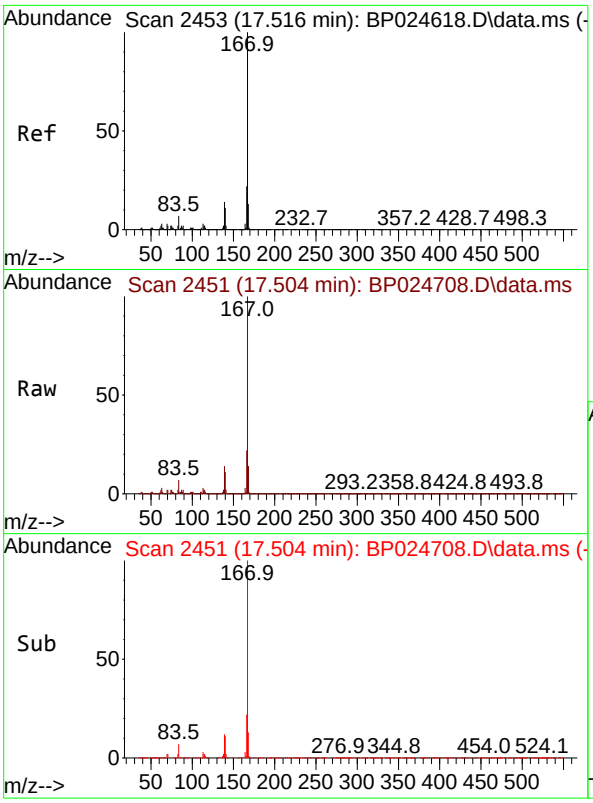




#72
Anthracene
Concen: 46.920 ng
RT: 17.216 min Scan# 2402
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:178 Resp: 1687384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.0 | 22.4 |
| 179 | 15.6 | 12.2 | 18.2 |



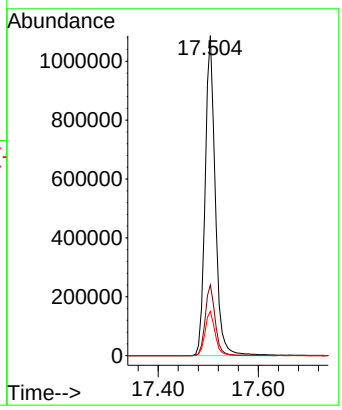


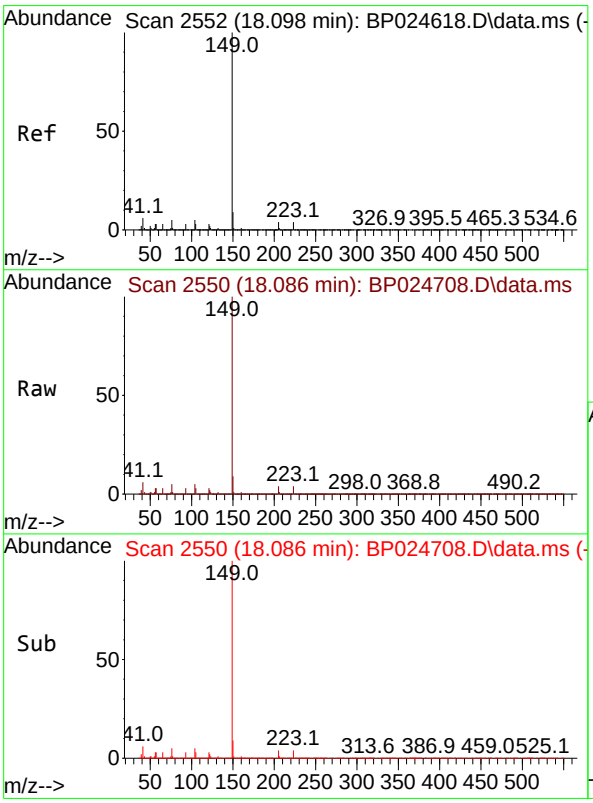

#73
Carbazole
Concen: 46.929 ng
RT: 17.504 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:167 Resp: 1527551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.1 | 17.7 | 26.5 |
| 139 | 13.9 | 11.3 | 16.9 |

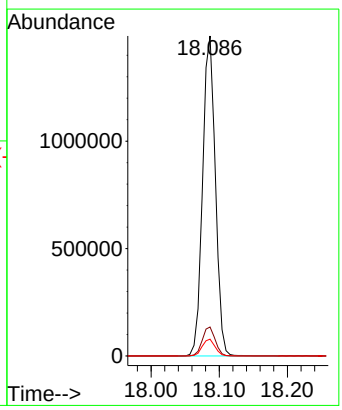


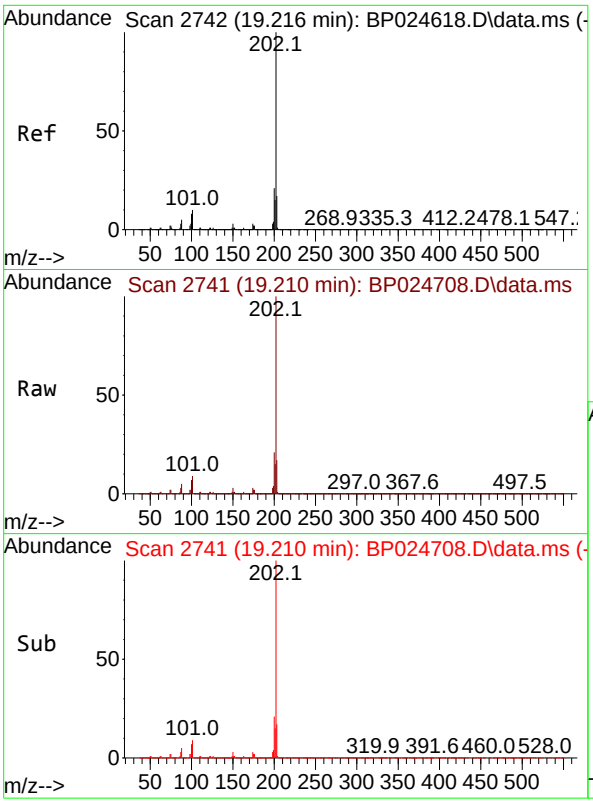




#74
Di-n-butylphthalate
Concen: 46.398 ng
RT: 18.086 min Scan# 2550
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:149 Resp: 1942338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.2 | 10.8 |
| 104 | 5.3 | 4.3 | 6.5 |



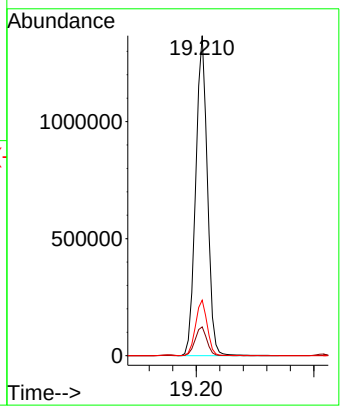


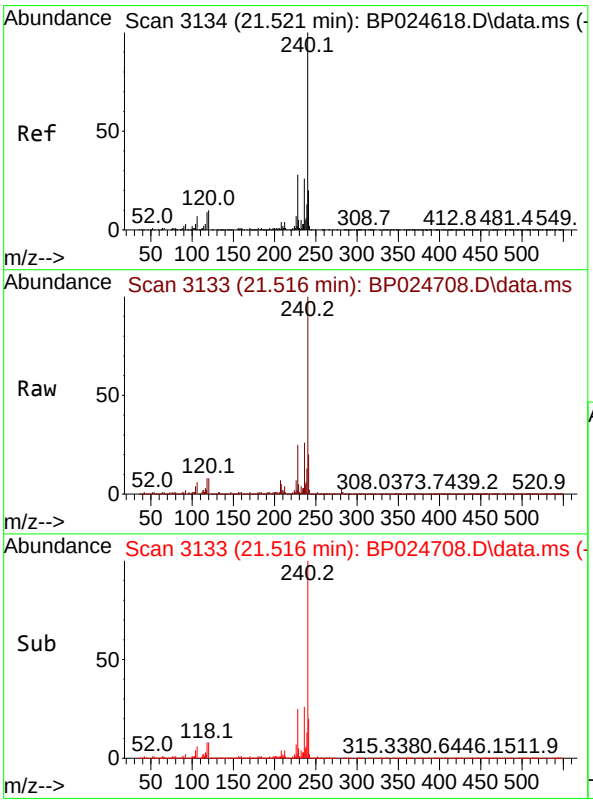

#75
Fluoranthene
Concen: 45.023 ng
RT: 19.210 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:202 Resp: 1881199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.0 | 0.0 | 30.3 |
| 203 | 17.4 | 0.0 | 37.5 |

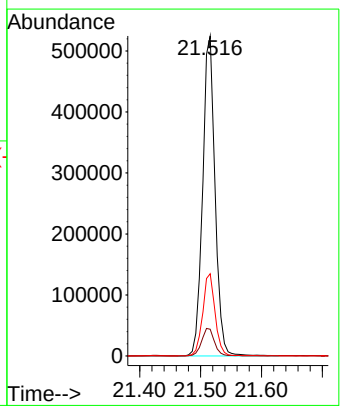


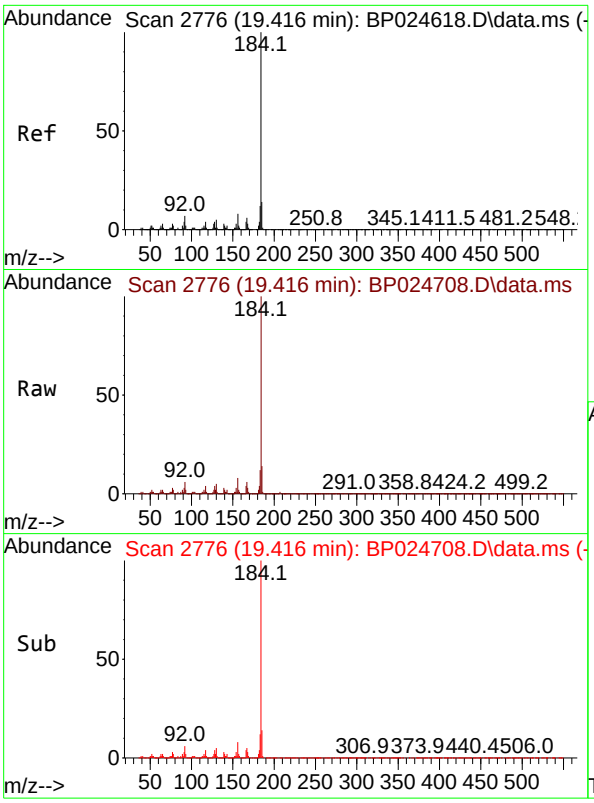




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:240 Resp: 741643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.4 | 7.8 | 11.6 |
| 236 | 25.7 | 20.6 | 31.0 |



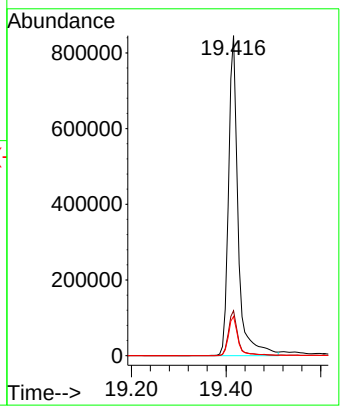


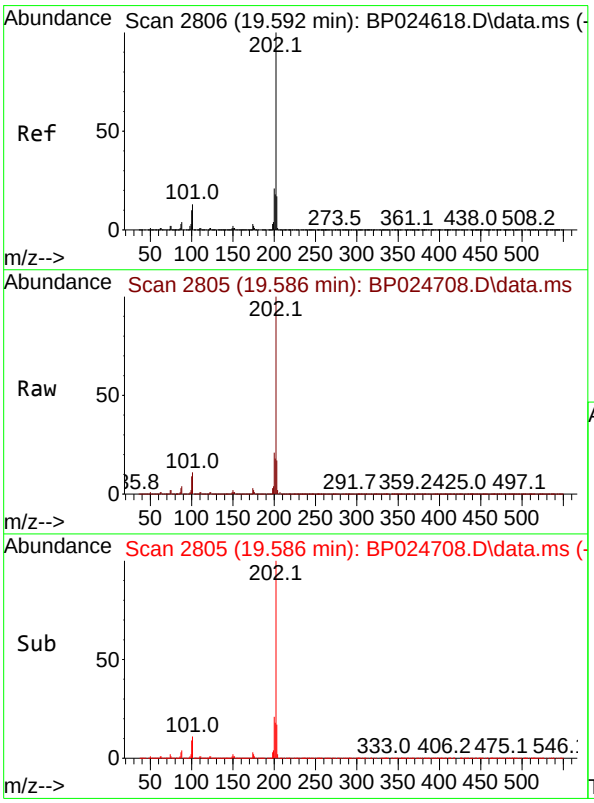

#77
Benzidine
Concen: 58.638 ng
RT: 19.416 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:184 Resp: 1184443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.0 | 11.2 | 16.8 |
| 183 | 12.3 | 9.8 | 14.8 |

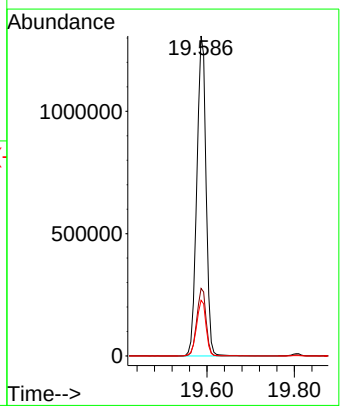


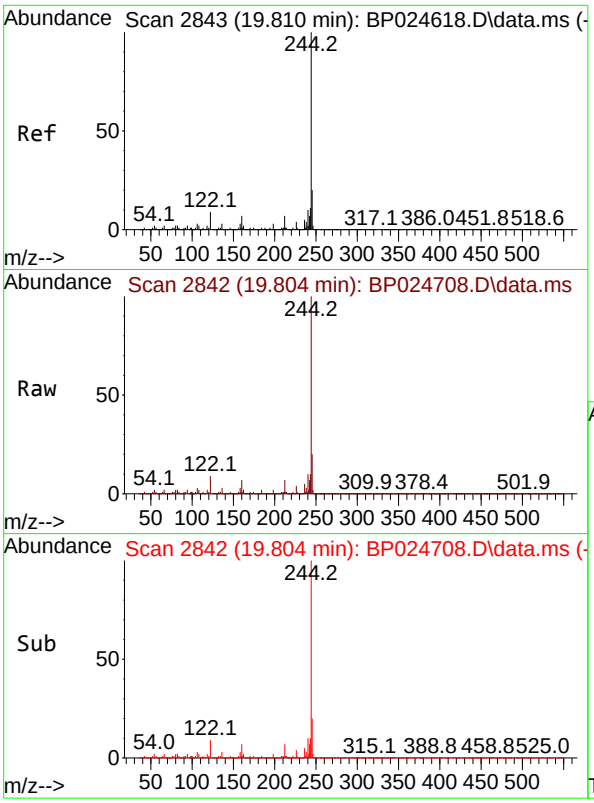




#78
Pyrene
Concen: 43.265 ng
RT: 19.586 min Scan# 2805
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:202 Resp: 1922595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 16.9 | 25.3 |
| 203 | 17.4 | 13.9 | 20.9 |



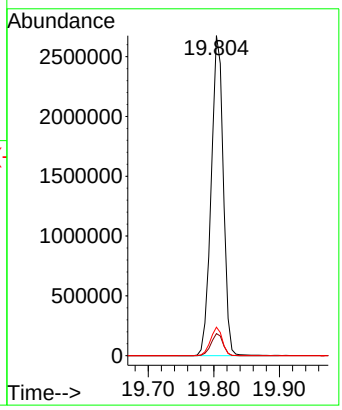


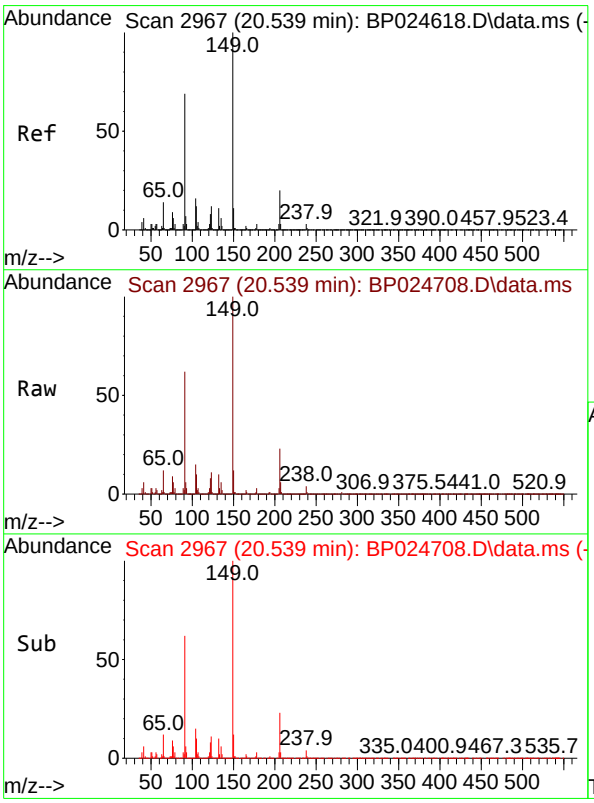

#79
Terphenyl-d14
Concen: 79.393 ng
RT: 19.804 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:244 Resp: 3433913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.5 | 8.3 |
| 122 | 8.9 | 7.4 | 11.0 |

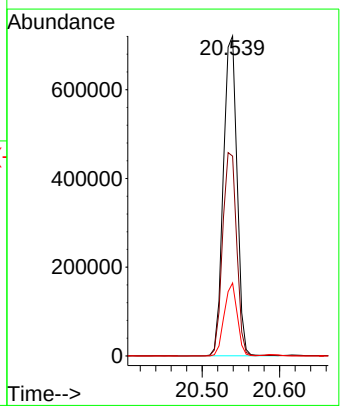


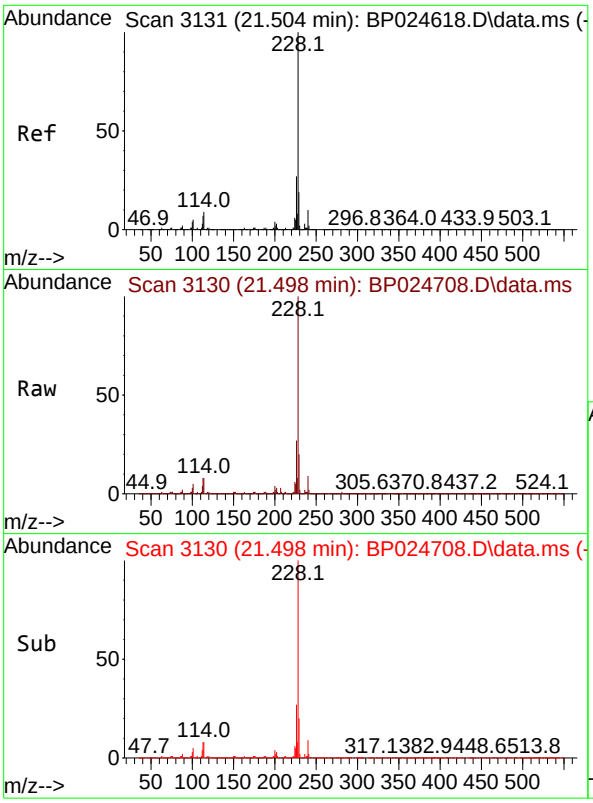




#80
Butylbenzylphthalate
Concen: 44.673 ng
RT: 20.539 min Scan# 2967
Delta R.T. 0.000 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:149 Resp: 882879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 62.4 | 55.4 | 83.0 |
| 206 | 22.8 | 16.2 | 24.2 |



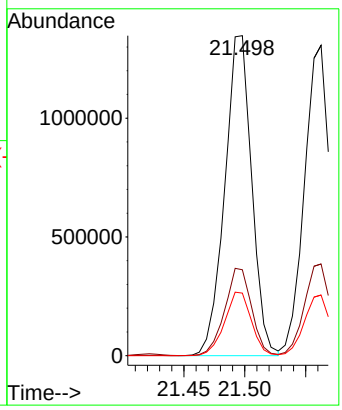


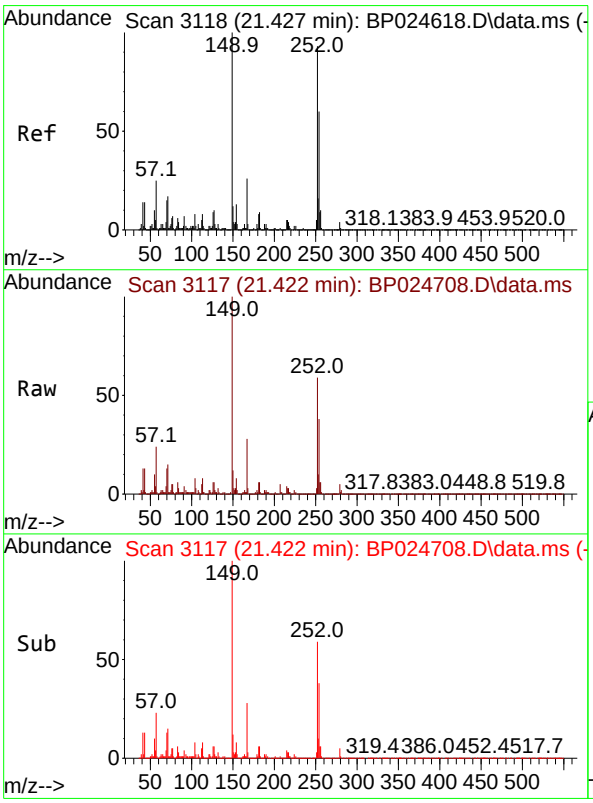

#81
Benzo(a)anthracene
Concen: 44.715 ng
RT: 21.498 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:228 Resp: 2082335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.9 | 21.4 | 32.0 |
| 229 | 19.5 | 15.5 | 23.3 |

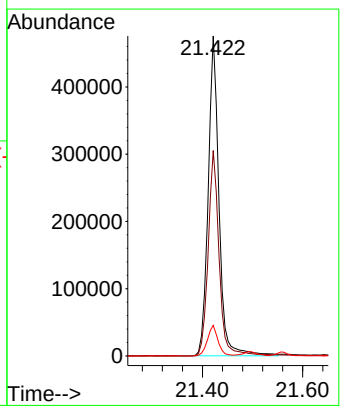


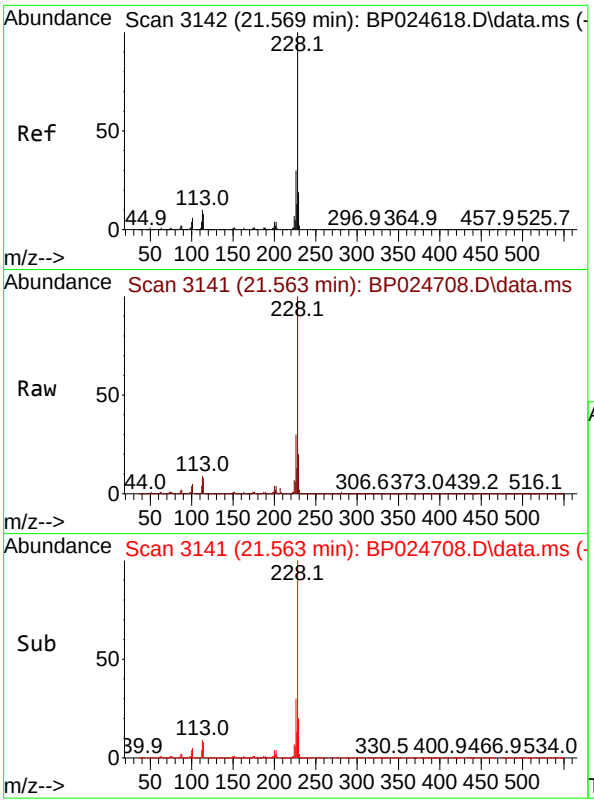




#82
3,3'-Dichlorobenzidine
Concen: 41.258 ng
RT: 21.422 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:252 Resp: 713621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.2 | 51.8 | 77.6 |
| 126 | 9.6 | 7.7 | 11.5 |



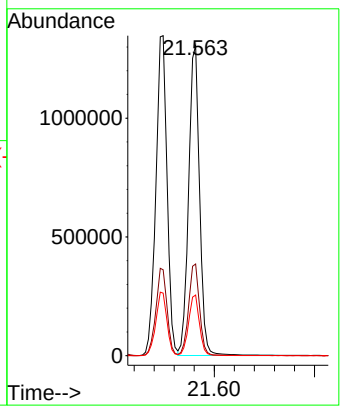


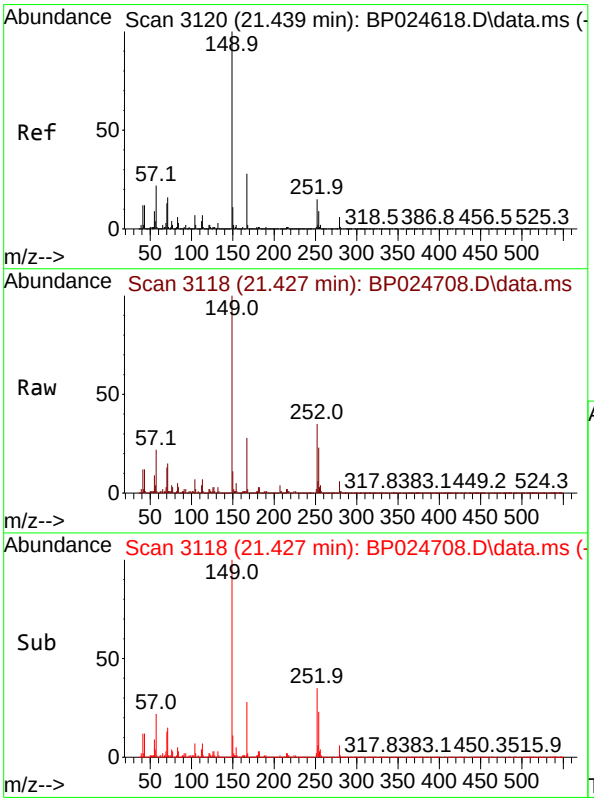

#83
Chrysene
Concen: 44.732 ng
RT: 21.563 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:228 Resp: 1974706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.6 | 23.9 | 35.9 |
| 229 | 19.5 | 15.5 | 23.3 |

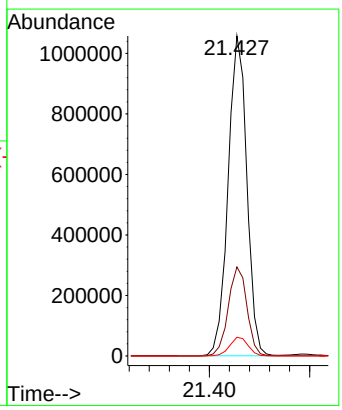


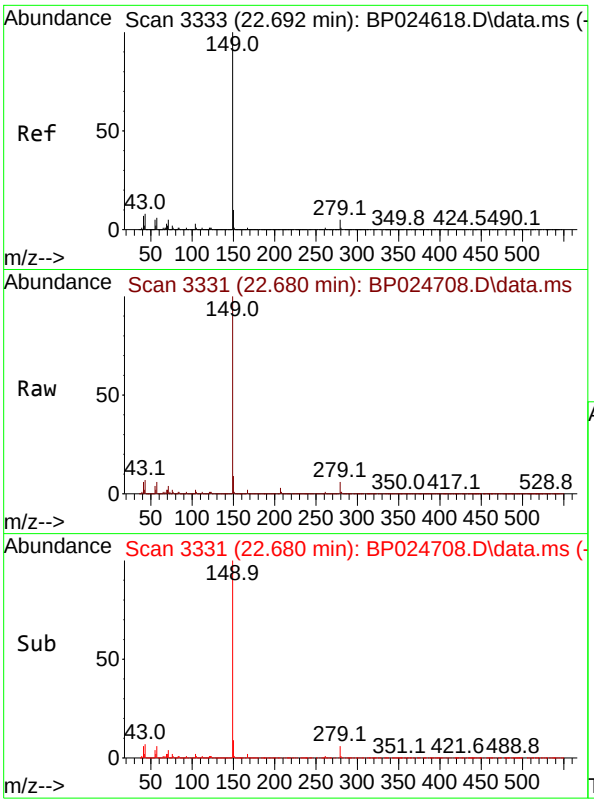




#84
Bis(2-ethylhexyl)phthalate
Concen: 47.173 ng
RT: 21.427 min Scan# 3118
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:149 Resp: 1370288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.8 | 22.1 | 33.1 |
| 279 | 5.8 | 4.6 | 6.8 |



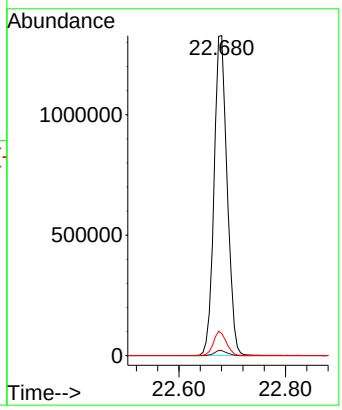


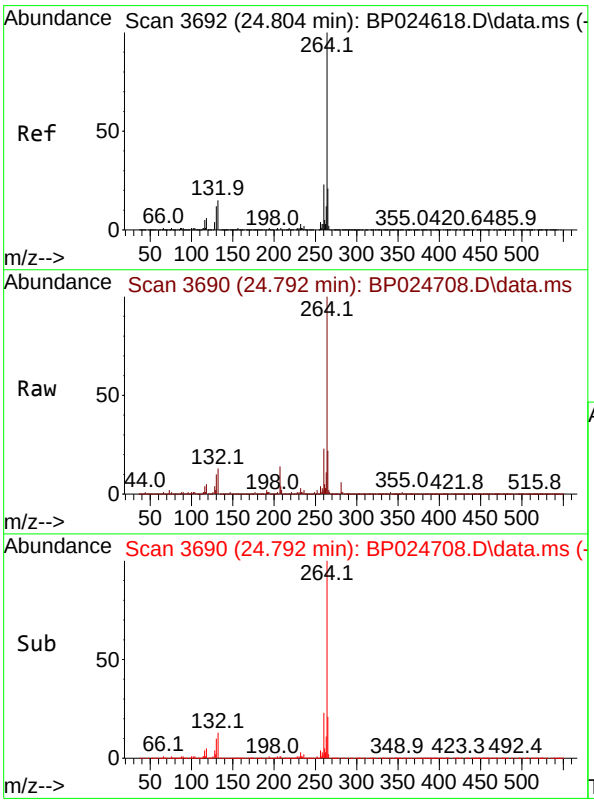

#85
Di-n-octyl phthalate
Concen: 47.662 ng
RT: 22.680 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:149 Resp: 2264072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.2 | 1.8 |
| 43 | 7.4 | 6.3 | 9.5 |

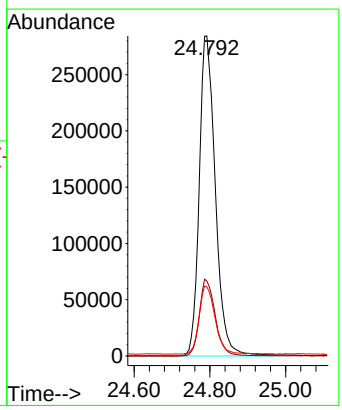


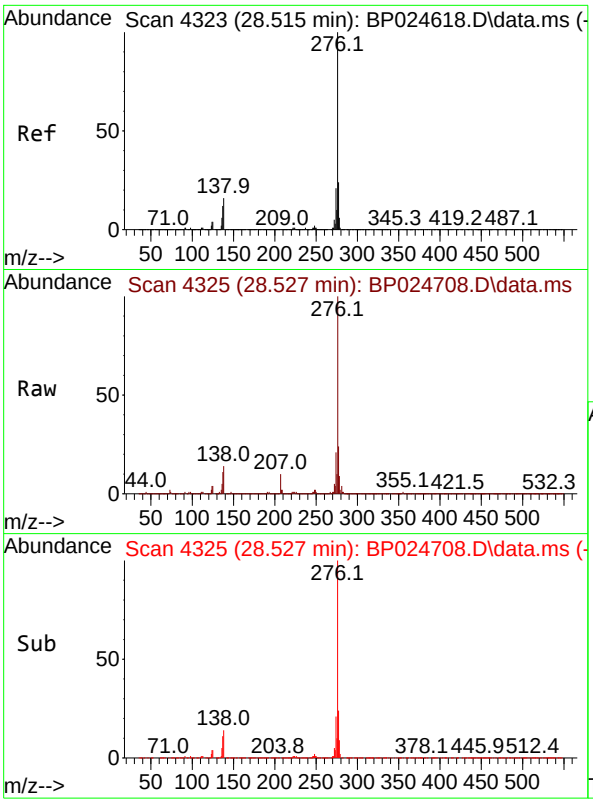




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.792 min Scan# 3690
Delta R.T. -0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:264 Resp: 838594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 18.7 | 28.1 |
| 265 | 21.6 | 17.0 | 25.6 |



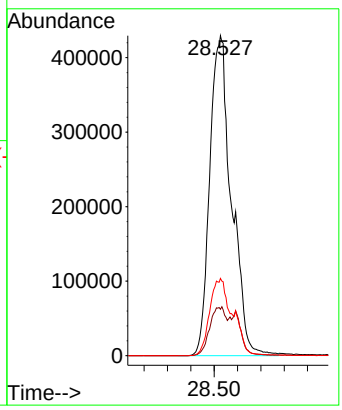


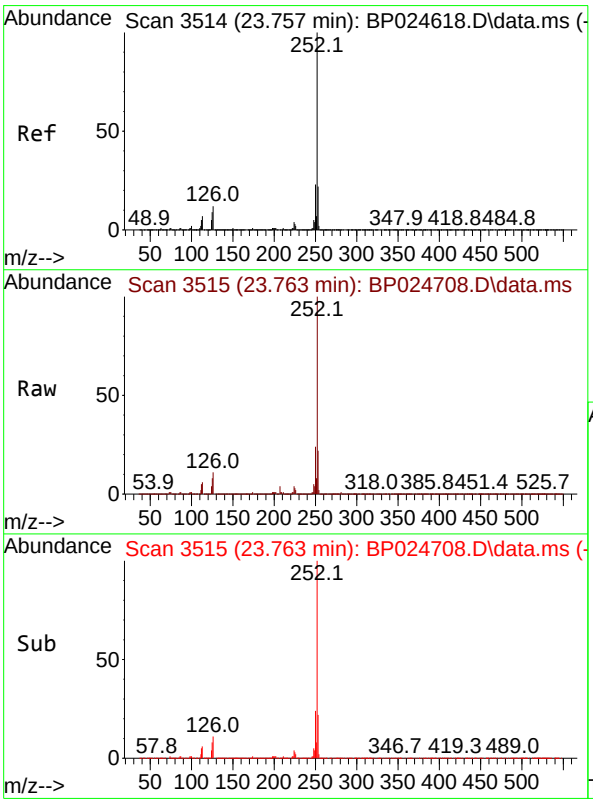

#87
Indeno(1,2,3-cd)pyrene
Concen: 45.368 ng
RT: 28.527 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:276 Resp: 2777529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 11.3 | 11.2 | 16.8 |
| 277 | 21.2 | 15.7 | 23.5 |

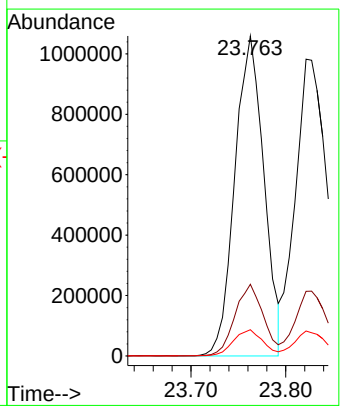


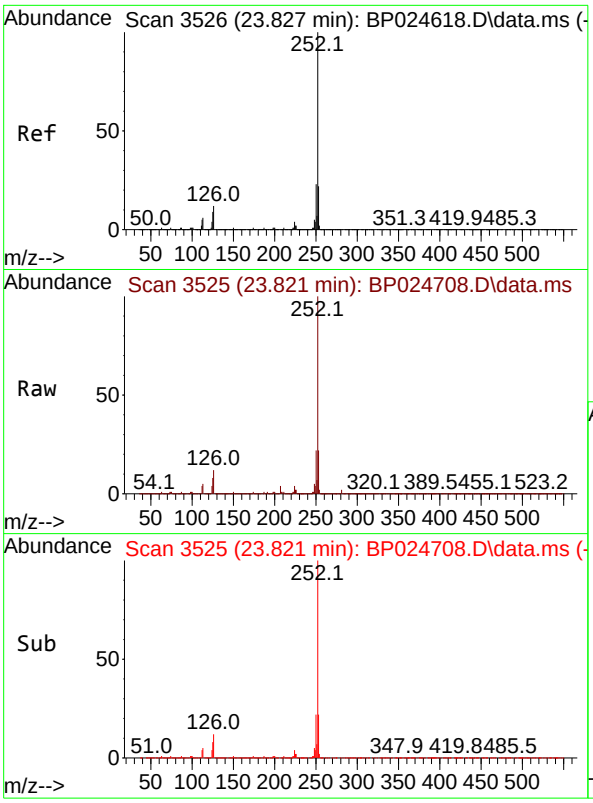




#88
Benzo(b)fluoranthene
Concen: 47.041 ng
RT: 23.763 min Scan# 3515
Delta R.T. 0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:252 Resp: 2257968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 17.7 | 26.5 |
| 125 | 8.2 | 7.5 | 11.3 |



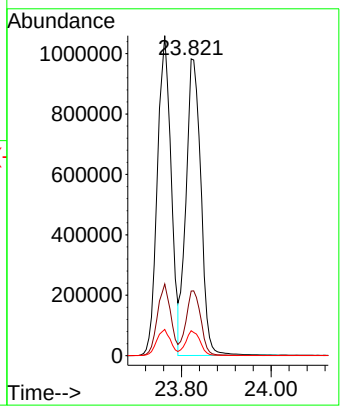


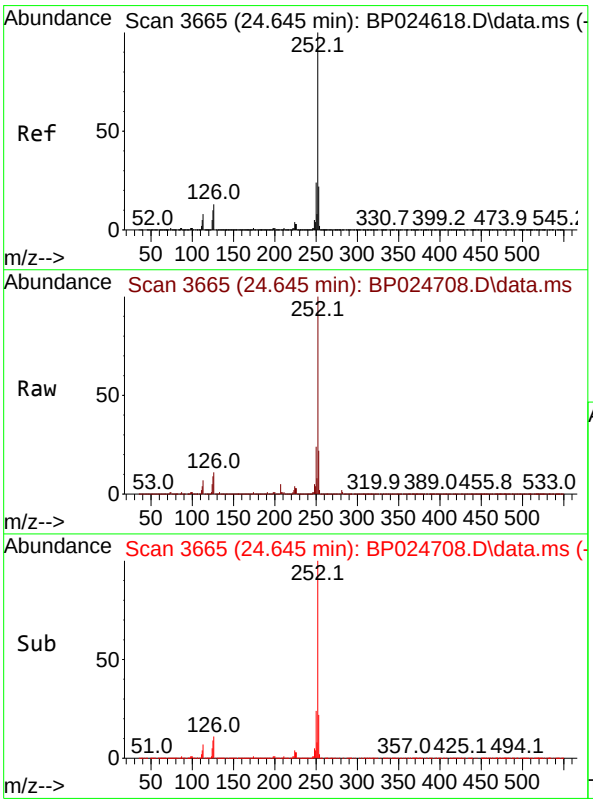

#89
Benzo(k)fluoranthene
Concen: 45.885 ng
RT: 23.821 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:252 Resp: 2269488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.6 | 26.4 |
| 125 | 8.4 | 7.0 | 10.4 |

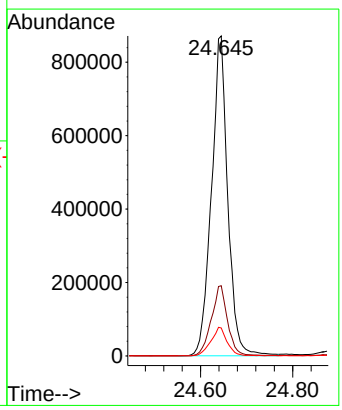


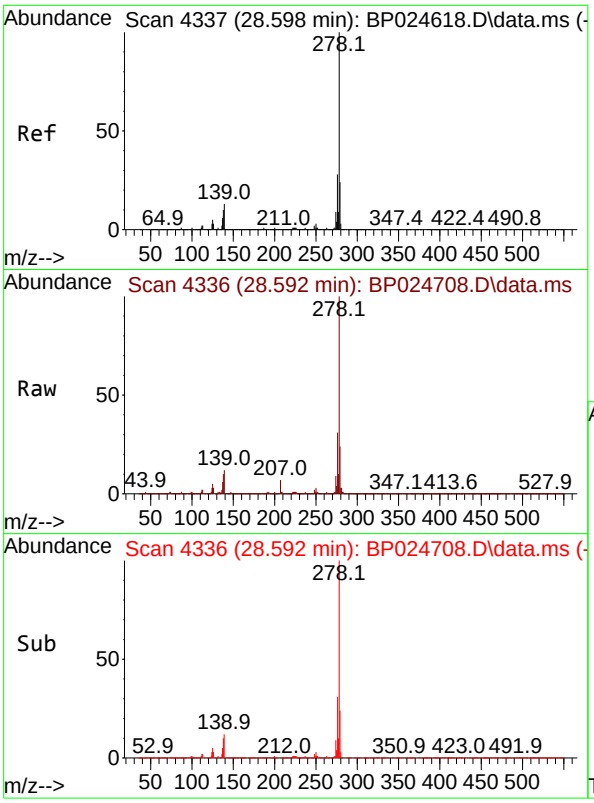




#90
Benzo(a)pyrene
Concen: 46.387 ng
RT: 24.645 min Scan# 3665
Delta R.T. 0.000 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:252 Resp: 2138419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.7 | 26.5 |
| 125 | 8.8 | 8.1 | 12.1 |



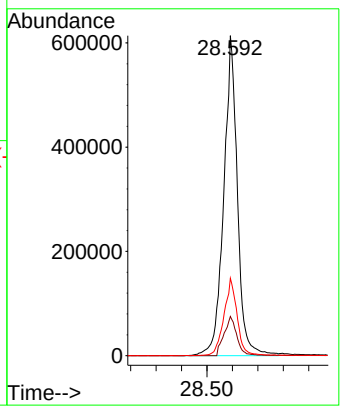


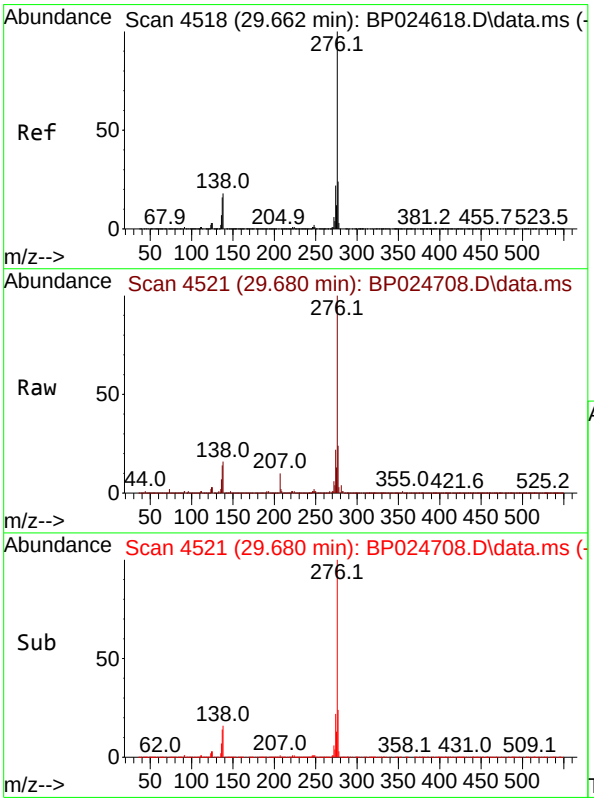

#91
Dibenzo(a,h)anthracene
Concen: 45.992 ng
RT: 28.592 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

**Instrument :**
BNA_P
**ClientSampleId :**
PB168048BSD

Tgt Ion:278 Resp: 2290677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 12.3 | 10.2 | 15.4 |
| 279 | 24.2 | 19.0 | 28.4 |

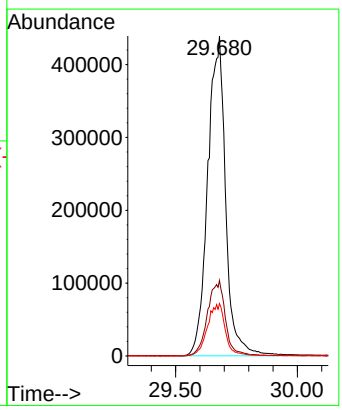



#92
Benzo(g,h,i)perylene
Concen: 44.853 ng
RT: 29.680 min Scan# 4521
Delta R.T. 0.018 min
Lab File: BP024708.D
Acq: 20 May 2025 15:16

Tgt Ion:276 Resp: 2221548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 19.0 | 28.4 |
| 138 | 16.4 | 14.4 | 21.6 |



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024714.D
Acq On : 20 May 2025 19:21
Operator : RC/JU
Sample : Q2064-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

Quant Time: May 21 12:10:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

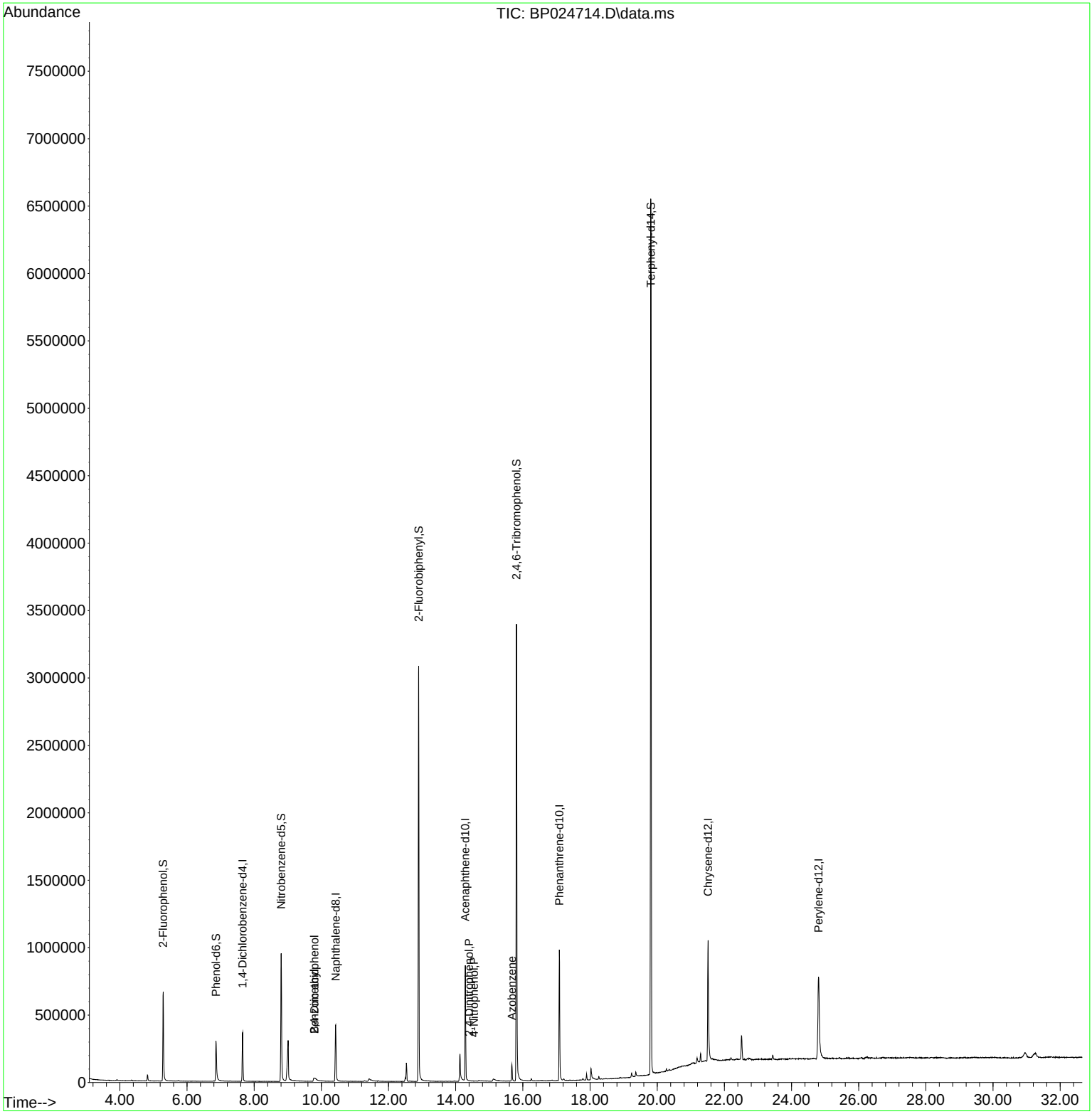
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.657 | 152 | 105097 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.428 | 136 | 405523 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.287 | 164 | 295391 | 20.000 | ng | -0.02 |
| 64) Phenanthrene-d10 | 17.086 | 188 | 588501 | 20.000 | ng | -0.01 |
| 76) Chrysene-d12 | 21.516 | 240 | 654045 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.804 | 264 | 776769 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.293 | 112 | 321274 | 52.285 | ng | 0.00 |
| 7) Phenol-d6 | 6.863 | 99 | 225266 | 28.724 | ng | 0.01 |
| 23) Nitrobenzene-d5 | 8.804 | 82 | 562144 | 70.041 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.810 | 330 | 807969 | 161.344 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 12.898 | 172 | 1585933 | 70.340 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.810 | 244 | 3701032 | 97.029 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 27) 2,4-Dimethylphenol | 9.793 | 122 | 17351 | 2.843 | ng | # 2 |
| 32) Benzoic acid | 9.793 | 122 | 17351 | 10.917 | ng | 85 |
| 54) 2,4-Dinitrophenol | 14.398 | 184 | 9 | 6.404 | ng | # 1 |
| 56) 4-Nitrophenol | 14.545 | 139 | 24 | 4.240 | ng | # 1 |
| 63) Azobenzene | 15.675 | 77 | 39714 | 2.040 | ng | # 1 |

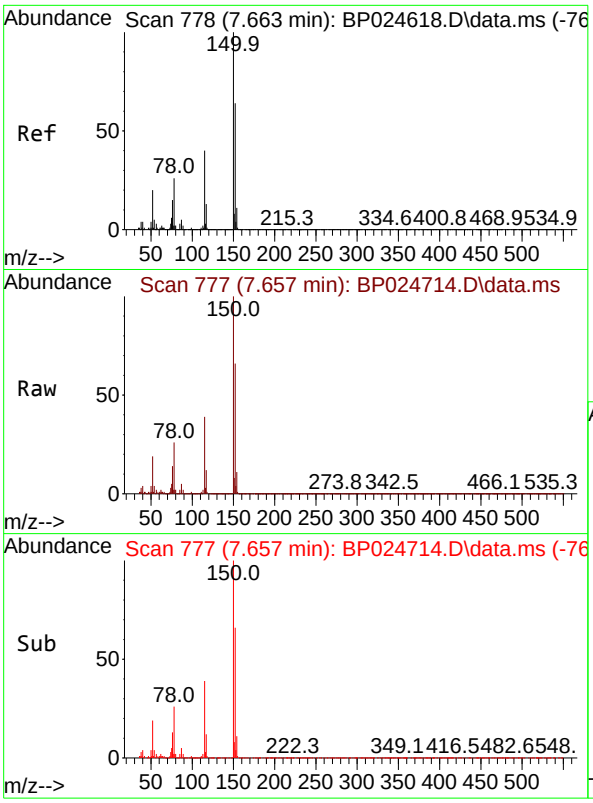
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052025\
Data File : BP024714.D
Acq On : 20 May 2025 19:21
Operator : RC/JU
Sample : Q2064-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

Quant Time: May 21 12:10:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



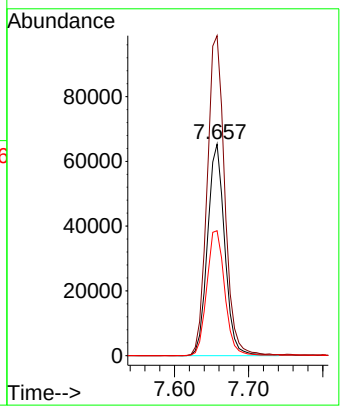


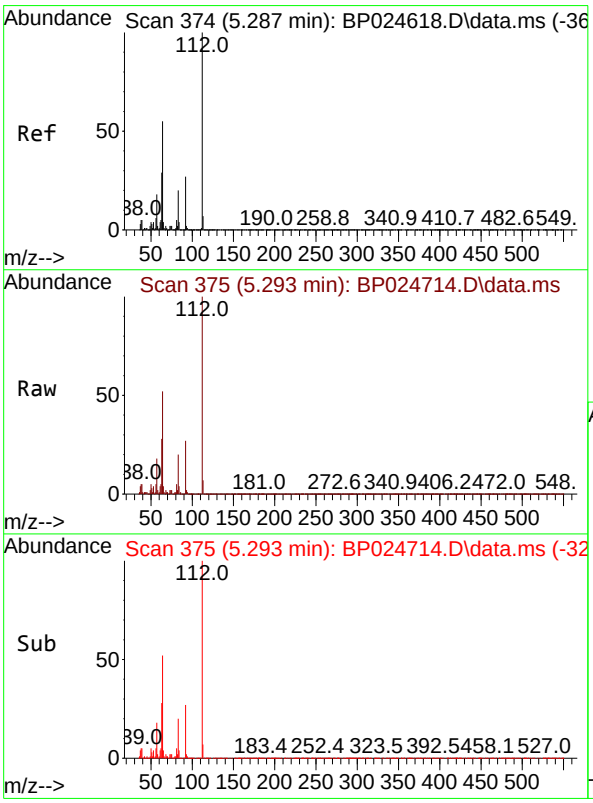

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

Tgt Ion:152 Resp: 105097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 151.2 | 125.9 | 188.9 |
| 115 | 59.0 | 50.1 | 75.1 |

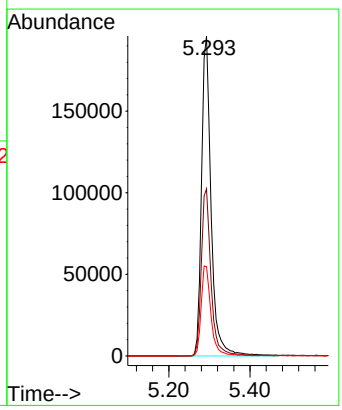


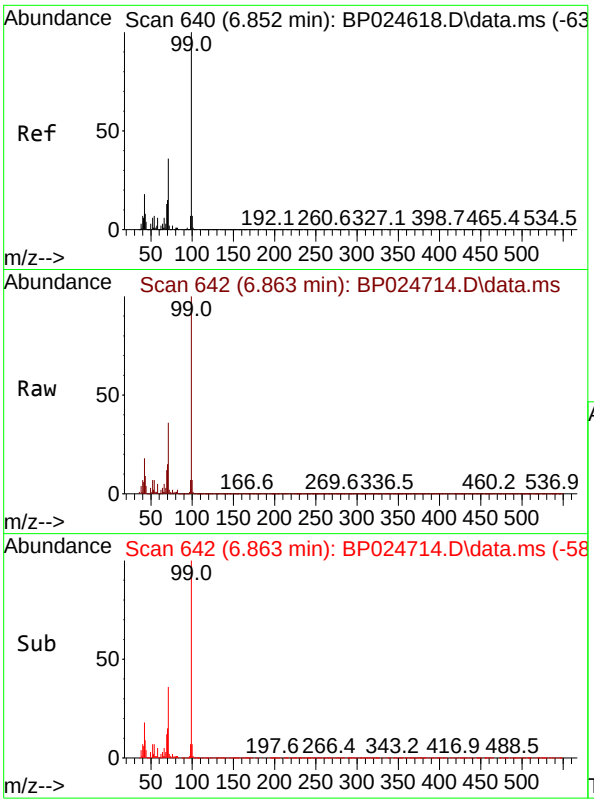




#5
2-Fluorophenol
Concen: 52.285 ng
RT: 5.293 min Scan# 375
Delta R.T. 0.006 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:112 Resp: 321274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.3 | 44.1 | 66.1 |
| 63 | 28.0 | 23.5 | 35.3 |



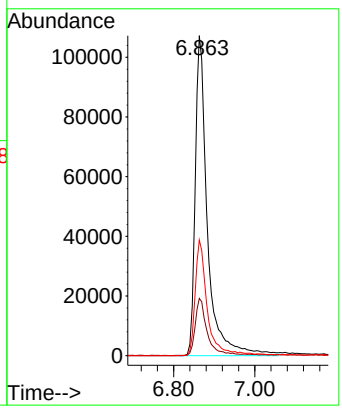


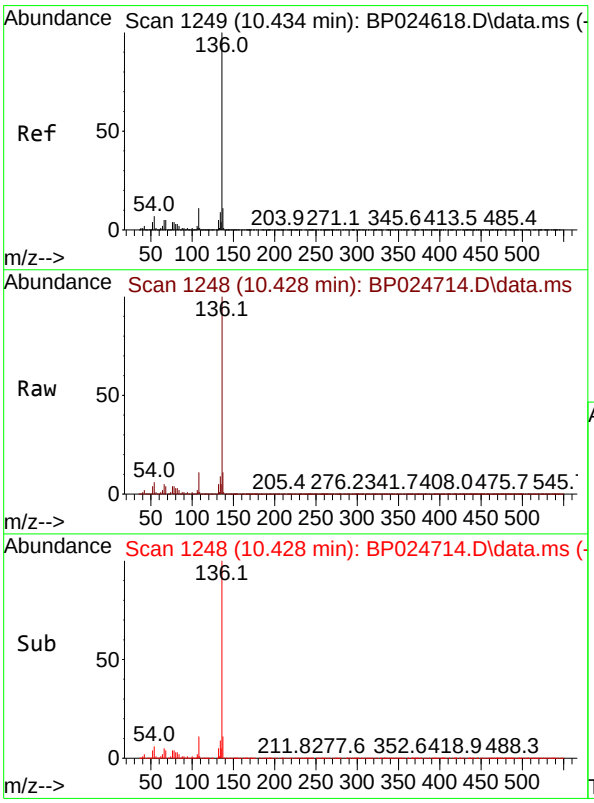

#7
Phenol-d6
Concen: 28.724 ng
RT: 6.863 min Scan# 64
Delta R.T. 0.012 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

Tgt Ion: 99 Resp: 225266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.9 | 14.4 | 21.6 |
| 71 | 36.1 | 29.2 | 43.8 |

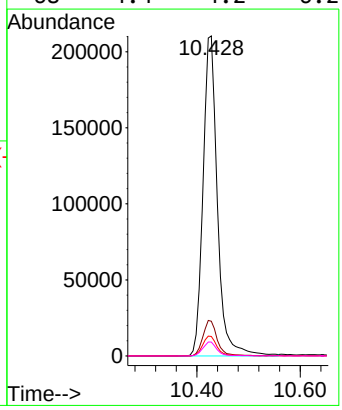


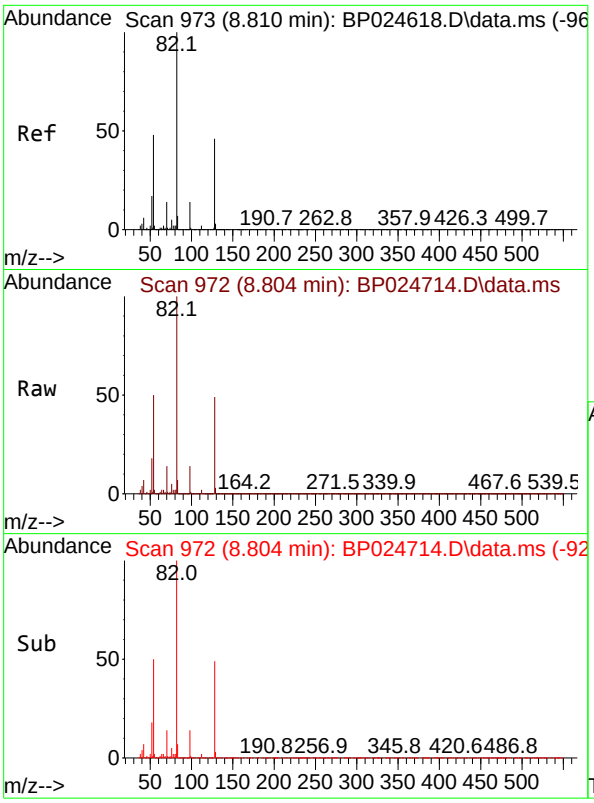




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:136 Resp: 405523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.8 | 13.2 |
| 54 | 6.1 | 5.5 | 8.3 |
| 68 | 4.4 | 4.2 | 6.2 |



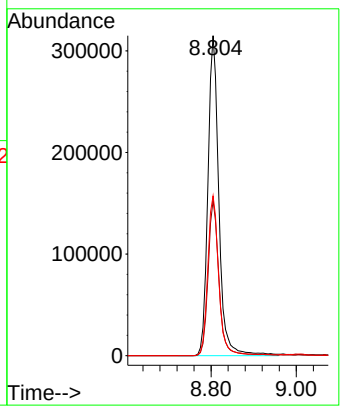


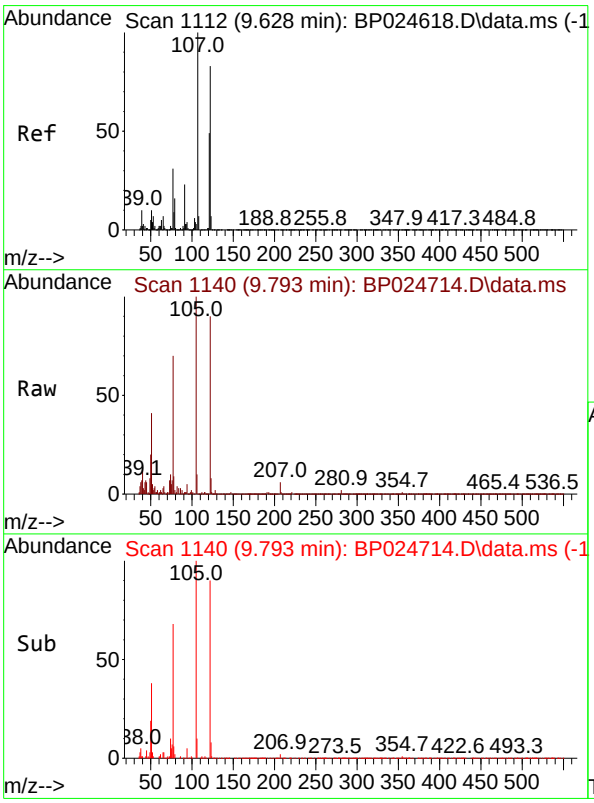

#23
Nitrobenzene-d5
Concen: 70.041 ng
RT: 8.804 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

Tgt Ion: 82 Resp: 562144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 48.5 | 37.0 | 55.4 |
| 54 | 50.0 | 38.7 | 58.1 |

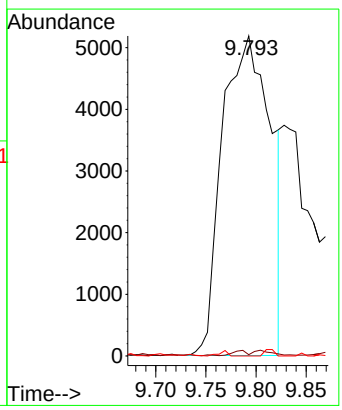


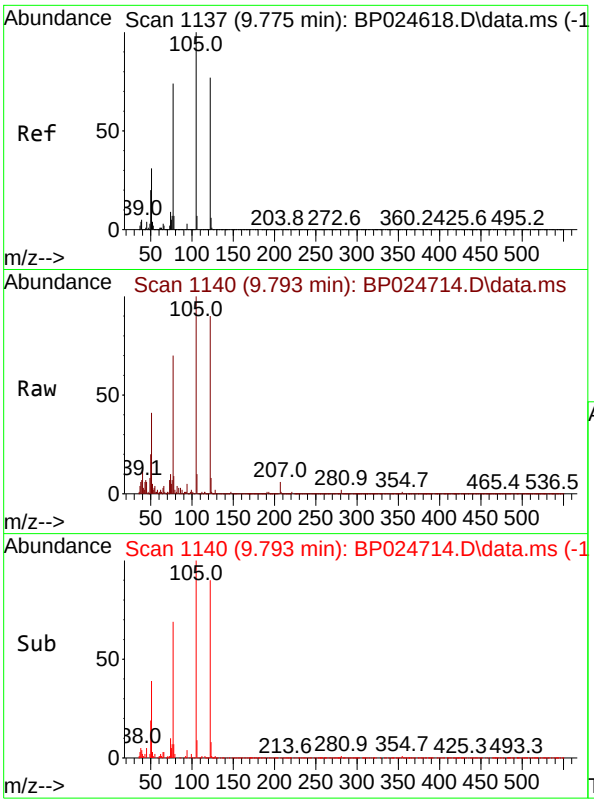




#27
2,4-Dimethylphenol
Concen: 2.843 ng
RT: 9.793 min Scan# 1140
Delta R.T. 0.165 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:122 Resp: 17351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 0.4 | 96.2 | 144.2# |
| 121 | 0.0 | 47.6 | 71.4# |



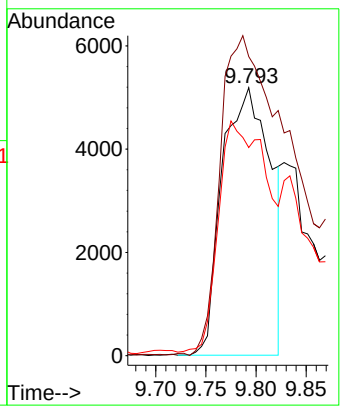


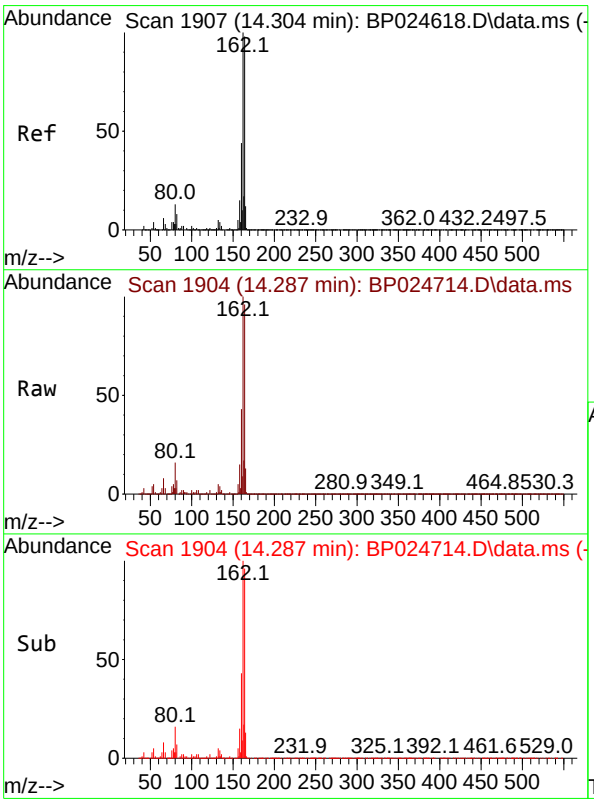

#32
Benzoic acid
Concen: 10.917 ng
RT: 9.793 min Scan# 11
Delta R.T. 0.018 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

Tgt Ion:122 Resp: 17351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 111.6 | 106.9 | 146.9 |
| 77 | 77.7 | 75.1 | 115.1 |

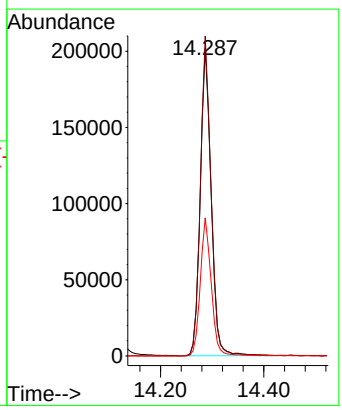


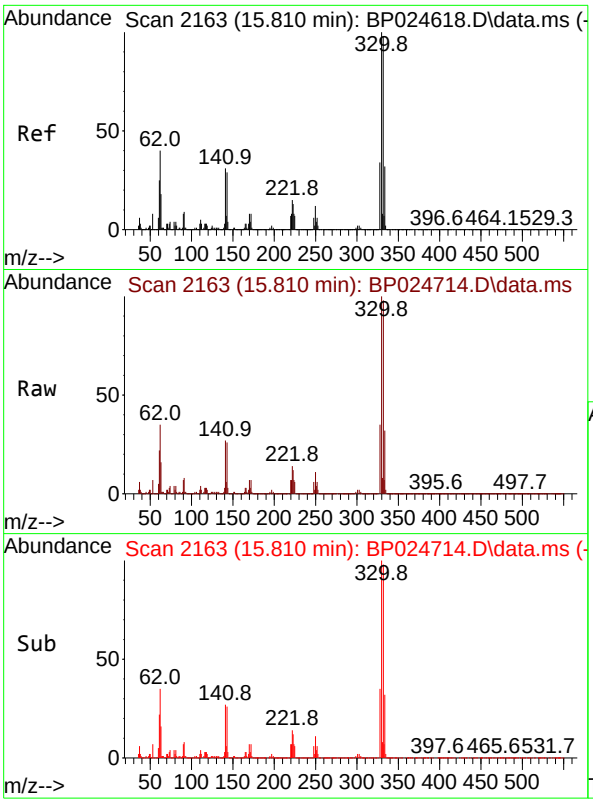




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.287 min Scan# 1904
Delta R.T. -0.018 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:164 Resp: 295391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.0 | 81.8 | 122.6 |
| 160 | 44.9 | 36.3 | 54.5 |



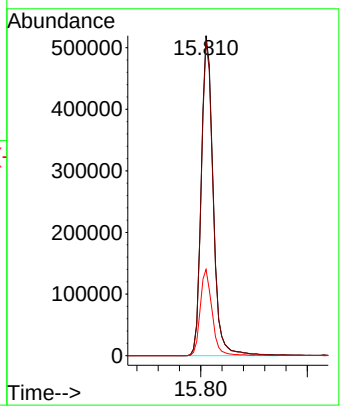


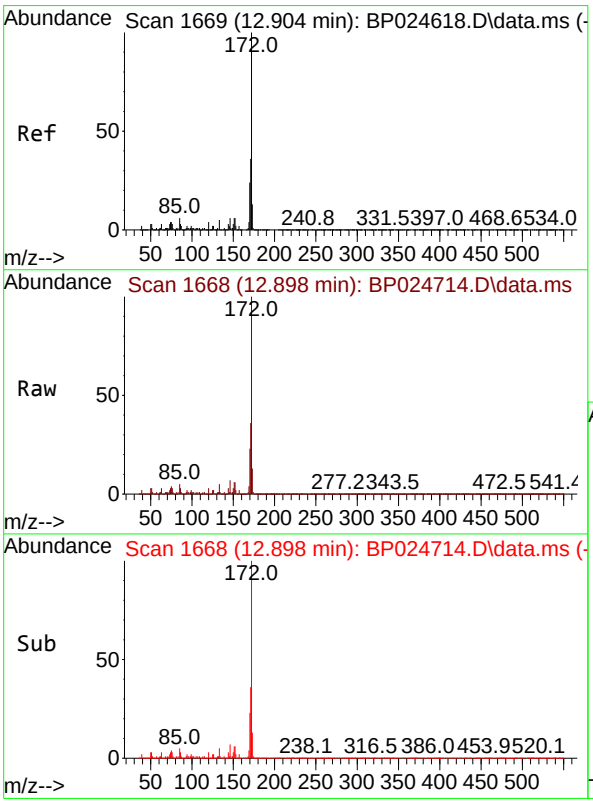

#42
2,4,6-Tribromophenol
Concen: 161.344 ng
RT: 15.810 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

Tgt Ion:330 Resp: 807969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.8 | 78.2 | 117.4 |
| 141 | 26.9 | 24.3 | 36.5 |

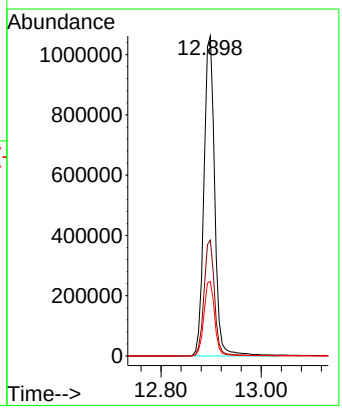


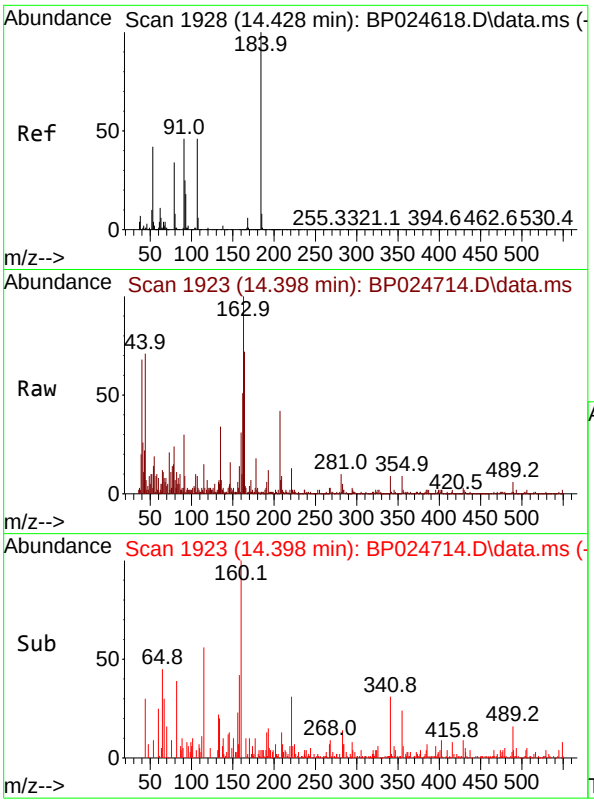




#45
2-Fluorobiphenyl
Concen: 70.340 ng
RT: 12.898 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:172 Resp: 1585933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.2 | 28.8 | 43.2 |
| 170 | 23.2 | 18.8 | 28.2 |



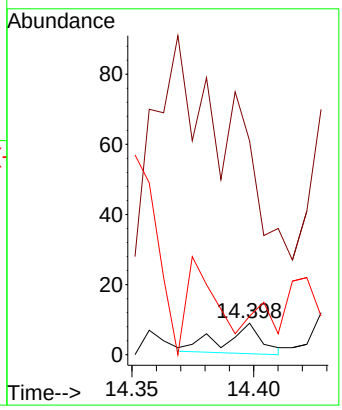


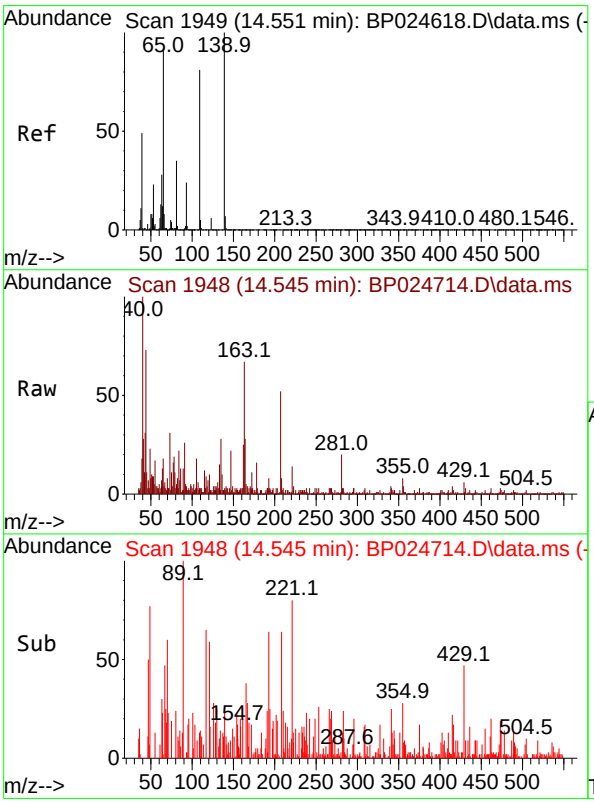

#54
2,4-Dinitrophenol
Concen: 6.404 ng
RT: 14.398 min Scan# 1
Delta R.T. -0.030 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

Tgt Ion:184 Resp: 9

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 677.8 | 51.3 | 76.9# |
| 154 | 122.2 | 53.5 | 80.3# |

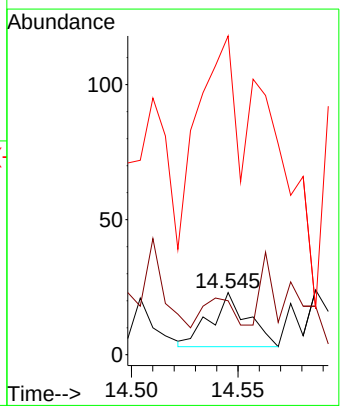


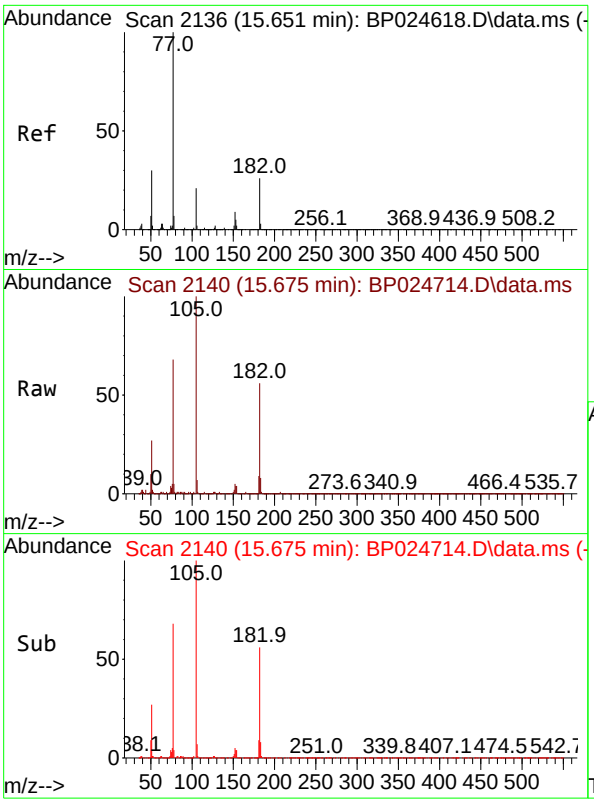




#56
4-Nitrophenol
Concen: 4.240 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:139 Resp: 24

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 87.0 | 61.4 | 101.4 |
| 65 | 513.0 | 72.2 | 112.2# |



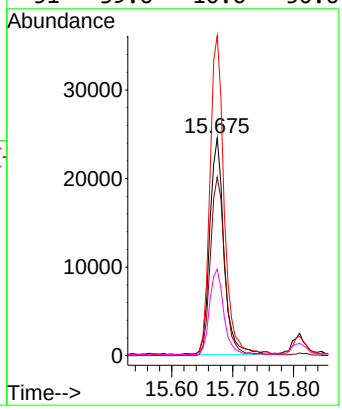


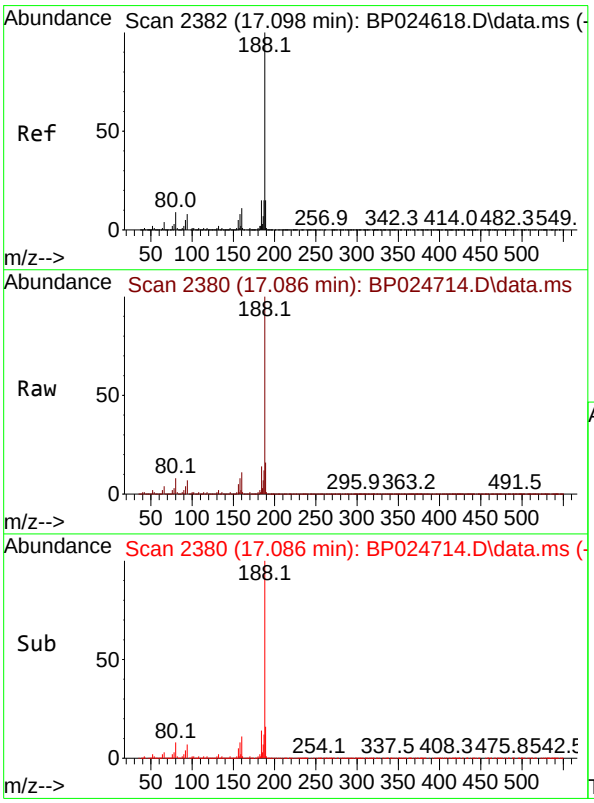

#63
Azobenzene
Concen: 2.040 ng
RT: 15.675 min Scan# 21
Delta R.T. 0.023 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

Tgt Ion: 77 Resp: 39714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 82.1 | 5.7 | 45.7# |
| 105 | 147.1 | 1.3 | 41.3# |
| 51 | 39.6 | 10.6 | 50.6 |

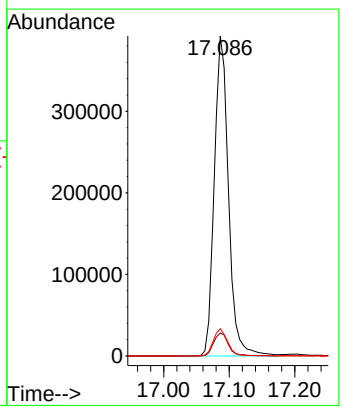


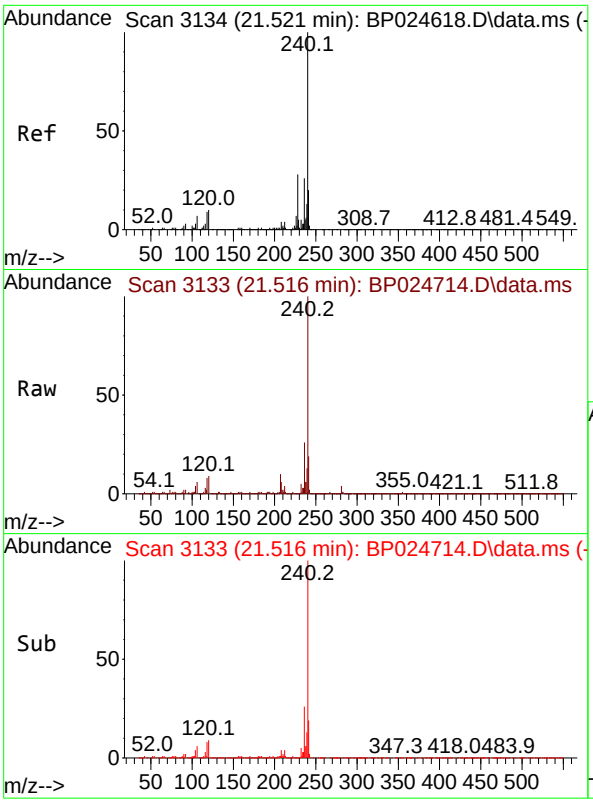




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.086 min Scan# 2380
Delta R.T. -0.012 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:188 Resp: 588501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.2 | 6.5 | 9.7 |
| 80 | 8.5 | 7.3 | 10.9 |



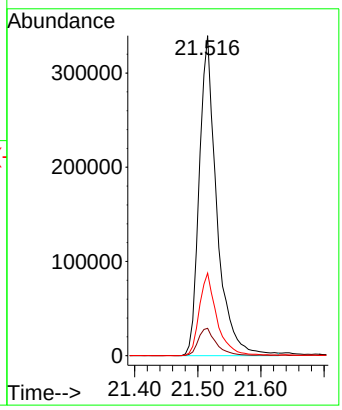


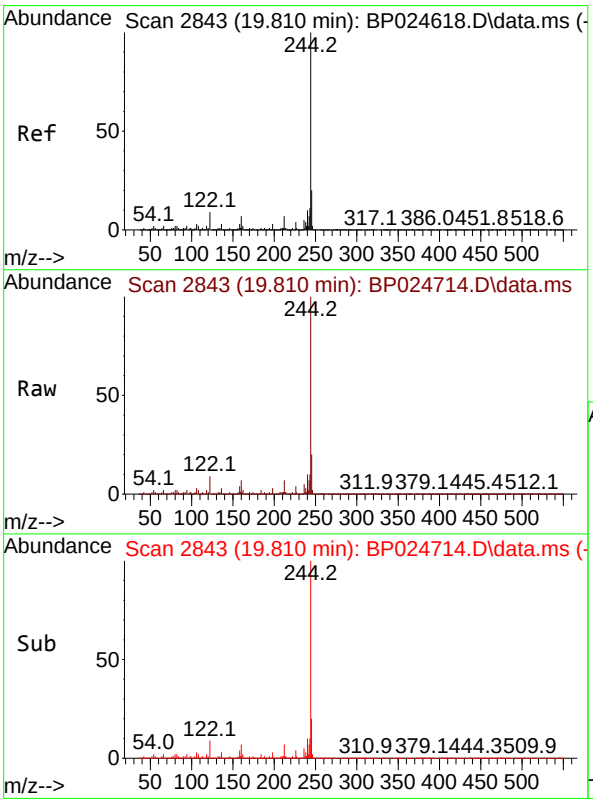

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

Tgt Ion:240 Resp: 654045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.6 | 7.8 | 11.6 |
| 236 | 25.8 | 20.6 | 31.0 |

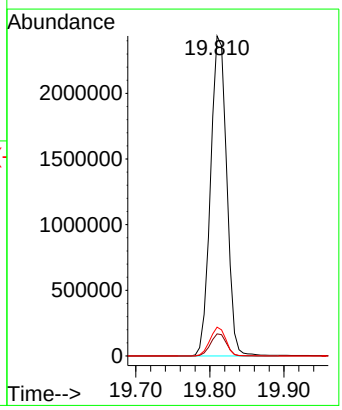


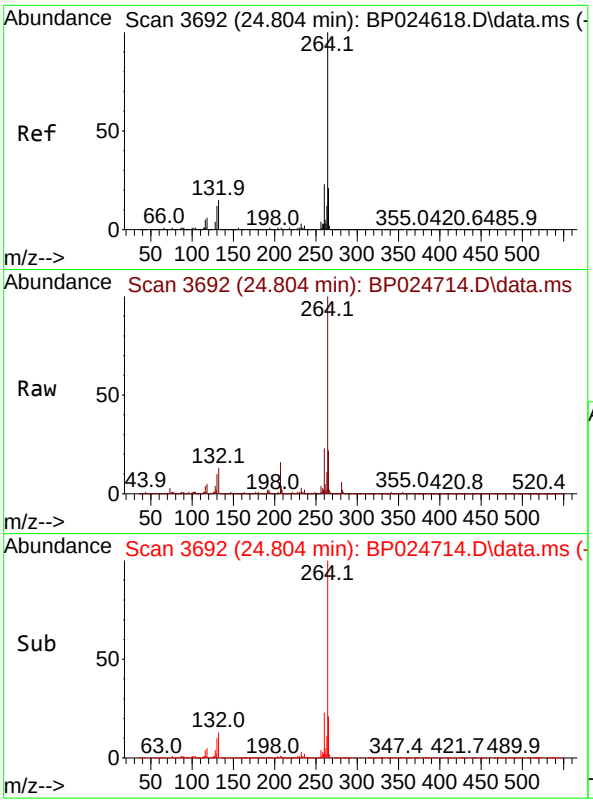




#79
Terphenyl-d14
Concen: 97.029 ng
RT: 19.810 min Scan# 2843
Delta R.T. -0.000 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

Tgt Ion:244 Resp: 3701032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.5 | 8.3 |
| 122 | 9.0 | 7.4 | 11.0 |






#86
Perylene-d12
Concen: 20.000 ng
RT: 24.804 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024714.D
Acq: 20 May 2025 19:21

**Instrument :**
BNA_P
**ClientSampleId :**
RW8-SP100-90-20250514

Tgt Ion:264 Resp: 776769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 18.7 | 28.1 |
| 265 | 21.9 | 17.0 | 25.6 |