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

## SEMI-VOLATILE ORGANICS

**PROJECT NAME : RAYMARK SUPERFUND SITE**

**NOBIS GROUP**

**585 Middlesex Street**

**Lowell, MA - 01851**

**Phone No: 978-683-0891**

**ORDER ID : Q1730**

**ATTENTION : Adam Roy**

**Laboratory Certification ID # 20012**

Table Of Contents for Q1730


1) SEMI-VOLATILE DATA 2
2) Signature Page 4
3) Case Narrative 5
4) Qualifier Page 7
5) Conformance/Non Conformance 8
6) QA Checklist 10
7) Chronicle 11
8) Hit Summary 13
9) QC Data Summary For SVOCMS Group3 14
- 9.1) Deuterated Monitoring Compound Summary 15
- 9.2) MS/MSD Summary 17
- 9.3) LCS/LCSD Summary 19
- 9.4) Method Blank Summary 20
- 9.5) GS/MS Tune Summary 21
- 9.6) Internal Standard Area and RT Summary 24

10) Sample Data 28
- 10.1) OU4-VSL-15-040325 29
- 10.2) OU4-VSL-16-040325 39
- 10.3) OU4-VSL-17-040325 49
- 10.4) OU4-PCS-TC-21-040325 59
- 10.5) OU4-PCS-TC-22-040325 69
- 10.6) OU4-PCS-TC-23-040325 79
- 10.7) OU4-PCS-TC-24-040325 89
- 10.8) OU4-PCS-TC-25-040325 99
- 10.9) OU4-PCS-TC-26-040325 109
- 10.10) OU4-CF-15-040325 119

11) Calibration Data Summary 129
- 11.1) Initial Calibration Data 3
  - 11.1.1) BP031225 130
- 11.2) Continued Calibration Data 538
  - 11.2.1) BP024211.D 538
  - 11.2.2) BP024226.D 594
  - 11.2.3) BP024228.D 650
  - 11.2.4) BP024243.D 706

12) QC Sample Data 762

12.1) Tune Raw Data 763
12.2) Method Blank Data 775
12.3) LCS Data 785
12.4) MS Data 836
12.5) MSD Data 887
13) Manual Integration 938
14) Analytical Runlogs 941
15) Percent Solid 947
16) Extraction Logs 951
16.1) PB167474.pdf 951
16.2) PB167474IC.pdf 953
17) Standard Prep Logs 954
18) Shipping Document 1139
18.1) Chain Of Custody 1140
18.2) Lab Certificate 1141
18.3) Internal COC 1142
19) Not Reviewed Data 1144

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# Cover Page

**Order ID :** Q1730

**Project ID :** Raymark Superfund Site

**Client :** Nobis Group

| Lab Sample Number | Client Sample Number |
|---|---|
| Q1730-01 | OU4-VSL-15-040325 |
| Q1730-02 | OU4-VSL-15-040325 |
| Q1730-03 | OU4-VSL-16-040325 |
| Q1730-04 | OU4-VSL-16-040325 |
| Q1730-05 | OU4-VSL-17-040325 |
| Q1730-06 | OU4-VSL-17-040325 |
| Q1730-07 | OU4-PCS-TC-21-040325 |
| Q1730-08 | OU4-PCS-TC-21-040325 |
| Q1730-09 | OU4-PCS-TC-22-040325 |
| Q1730-10 | OU4-PCS-TC-22-040325 |
| Q1730-11 | OU4-PCS-TC-23-040325 |
| Q1730-12 | OU4-PCS-TC-23-040325 |
| Q1730-13 | OU4-PCS-TC-24-040325 |
| Q1730-14 | OU4-PCS-TC-24-040325 |
| Q1730-15 | OU4-PCS-TC-25-040325 |
| Q1730-16 | OU4-PCS-TC-25-040325 |
| Q1730-17 | OU4-PCS-TC-26-040325 |
| Q1730-18 | OU4-PCS-TC-26-040325 |
| Q1730-19 | OU4-CF-15-040325 |
| Q1730-20 | OU4-CF-15-040325 |

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

Signature : _____

Date: 4/14/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# CASE NARRATIVE

**Nobis Group**
**Project Name: Raymark Superfund Site**
**Project # N/A**
**Chemtech Project # Q1730**
**Test Name: SVOCMS Group3**

**A. Number of Samples and Date of Receipt:**
20 Solid samples were received on 04/04/2025.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SVOCMS Group3 and VOCMS Group3. This data package contains results for SVOCMS Group3.

**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 SVOCMS Group3 was based on method 8270E and extraction was done based on method 3541.

**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 MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

**E. Additional Comments:**
As per special requirement for this project form-1 are reported in mg/kg.
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.

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

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

---

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

Signature_____

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# DATA REPORTING QUALIFIERS- ORGANIC

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

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

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

CHEMTECH PROJECT NUMBER: Q1730 MATRIX: Solid

METHOD: 8270E/3541

| | | 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.<br>The Initial Calibration met the requirements .<br>The Continuous Calibration met the requirements . | | | ✓ |
| 6. | Blank Contamination - If yes, list compounds and concentrations in each blank: | | ✓ | |
| 7. | Surrogate Recoveries Meet Criteria<br>If not met, list those compounds and their recoveries which fall outside the acceptable ranges. | | | ✓ |
| 8. | Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria<br>If not met, list those compounds and their recoveries which fall outside the acceptable range.<br>The Blank Spike met requirements for all samples . | | | ✓ |
| 9. | Internal Standard Area/Retention Time Shift Meet Criteria<br>Comments: The Internal Standards Areas met the acceptable requirements. | | ✓ | |
| 10. | Extraction Holding Time Met<br>If not met, list number of days exceeded for each sample: | | | ✓ |

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

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

ADDITIONAL COMMENTS:

As per special requirement for this project form-1 are reported in mg/kg.

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 Date

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## APPENDIX A

## QA REVIEW GENERAL DOCUMENTATION

**Project #:** Q1730

| | 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:** 04/14/2025

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q1730 | **OrderDate:** | 4/4/2025 10:51:00 AM |
| **Client:** | Nobis Group | **Project:** | Raymark Superfund Site |
| **Contact:** | Adam Roy | **Location:** | L31,VOA Ref. #2 Soil |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q1730-01** | **OU4-VSL-15-040325** | **SOIL** | | | **04/03/25** | | | **04/04/25** |
| | | | SVOCMS Group3 | 8270E | | 04/07/25 | 04/08/25 | |
| **Q1730-03** | **OU4-VSL-16-040325** | **SOIL** | | | **04/03/25** | | | **04/04/25** |
| | | | SVOCMS Group3 | 8270E | | 04/07/25 | 04/08/25 | |
| **Q1730-05** | **OU4-VSL-17-040325** | **SOIL** | | | **04/03/25** | | | **04/04/25** |
| | | | SVOCMS Group3 | 8270E | | 04/07/25 | 04/08/25 | |
| **Q1730-07** | **OU4-PCS-TC-21-040325** | **SOIL** | | | **04/03/25** | | | **04/04/25** |
| | | | SVOCMS Group3 | 8270E | | 04/07/25 | 04/08/25 | |
| **Q1730-09** | **OU4-PCS-TC-22-040325** | **SOIL** | | | **04/03/25** | | | **04/04/25** |
| | | | SVOCMS Group3 | 8270E | | 04/07/25 | 04/08/25 | |
| **Q1730-11** | **OU4-PCS-TC-23-040325** | **SOIL** | | | **04/03/25** | | | **04/04/25** |
| | | | SVOCMS Group3 | 8270E | | 04/07/25 | 04/08/25 | |
| **Q1730-13** | **OU4-PCS-TC-24-040325** | **SOIL** | | | **04/03/25** | | | **04/04/25** |
| | | | SVOCMS Group3 | 8270E | | 04/07/25 | 04/08/25 | |
| **Q1730-15** | **OU4-PCS-TC-25-040325** | **SOIL** | | | **04/03/25** | | | **04/04/25** |
| | | | SVOCMS Group3 | 8270E | | 04/07/25 | 04/08/25 | |
| **Q1730-17** | **OU4-PCS-TC-26-040325** | **SOIL** | | | **04/03/25** | | | **04/04/25** |
| | | | SVOCMS Group3 | 8270E | | 04/07/25 | 04/08/25 | |
| **Q1730-19** | **OU4-CF-15-040325** | **SOIL** | | | **04/03/25** | | | **04/04/25** |

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## LAB CHRONICLE

| | | | |
|---|---|---|---|
| SVOCMS Group3 | 8270E | 04/07/25 | 04/08/25 |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q1730

**Client:** Nobis Group

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

# QC SUMMARY

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# Surrogate Summary

**SW-846**

**SDG No.:** Q1730

**Client:** Nobis Group

**Analytical Method:** 8270E

| Lab Sample ID | Client ID | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|
| PB167474BL | PB167474BL | 2-Fluorophenol | 150 | 141 | 94 | | 35 | 115 |
| | | Phenol-d6 | 150 | 139 | 92 | | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 88.4 | 88 | | 37 | 122 |
| | | 2-Fluorobiphenyl | 100 | 80.7 | 81 | | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 155 | 103 | | 39 | 132 |
| | | Terphenyl-d14 | 100 | 88.3 | 88 | | 54 | 127 |
| PB167474BS | PB167474BS | 2-Fluorophenol | 150 | 129 | 86 | | 35 | 115 |
| | | Phenol-d6 | 150 | 117 | 78 | | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 85.1 | 85 | | 37 | 122 |
| | | 2-Fluorobiphenyl | 100 | 82.9 | 83 | | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 134 | 89 | | 39 | 132 |
| | | Terphenyl-d14 | 100 | 89.5 | 89 | | 54 | 127 |
| Q1730-01 | OU4-VSL-15-040325 | 2-Fluorophenol | 150 | 109 | 73 | | 35 | 115 |
| | | Phenol-d6 | 150 | 115 | 76 | | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 75.5 | 75 | | 37 | 122 |
| | | 2-Fluorobiphenyl | 100 | 74.2 | 74 | | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 113 | 75 | | 39 | 132 |
| | | Terphenyl-d14 | 100 | 79.4 | 79 | | 54 | 127 |
| Q1730-01MS | OU4-VSL-15-040325MS | 2-Fluorophenol | 150 | 103 | 69 | | 35 | 115 |
| | | Phenol-d6 | 150 | 105 | 70 | | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 72.4 | 72 | | 37 | 122 |
| | | 2-Fluorobiphenyl | 100 | 70.3 | 70 | | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 98.7 | 66 | | 39 | 132 |
| | | Terphenyl-d14 | 100 | 77.3 | 77 | | 54 | 127 |
| Q1730-01MSD | OU4-VSL-15-040325MSD | 2-Fluorophenol | 150 | 104 | 69 | | 35 | 115 |
| | | Phenol-d6 | 150 | 106 | 71 | | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 72.1 | 72 | | 37 | 122 |
| | | 2-Fluorobiphenyl | 100 | 69.8 | 70 | | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 101 | 68 | | 39 | 132 |
| | | Terphenyl-d14 | 100 | 76.7 | 77 | | 54 | 127 |
| Q1730-03 | OU4-VSL-16-040325 | 2-Fluorophenol | 150 | 87.4 | 58 | | 35 | 115 |
| | | Phenol-d6 | 150 | 88.3 | 59 | | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 58.1 | 58 | | 37 | 122 |
| | | 2-Fluorobiphenyl | 100 | 55.0 | 55 | | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 98.1 | 65 | | 39 | 132 |
| | | Terphenyl-d14 | 100 | 64.0 | 64 | | 54 | 127 |
| Q1730-05 | OU4-VSL-17-040325 | 2-Fluorophenol | 150 | 98.0 | 65 | | 35 | 115 |
| | | Phenol-d6 | 150 | 101 | 67 | | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 61.5 | 62 | | 37 | 122 |
| | | 2-Fluorobiphenyl | 100 | 56.6 | 57 | | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 116 | 77 | | 39 | 132 |
| | | Terphenyl-d14 | 100 | 60.0 | 60 | | 54 | 127 |
| Q1730-07 | OU4-PCS-TC-21-040325 | 2-Fluorophenol | 150 | 88.1 | 59 | | 35 | 115 |
| | | Phenol-d6 | 150 | 83.0 | 55 | | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 59.9 | 60 | | 37 | 122 |
| | | 2-Fluorobiphenyl | 100 | 57.7 | 58 | | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 87.9 | 59 | | 39 | 132 |
| | | Terphenyl-d14 | 100 | 59.6 | 60 | | 54 | 127 |
| Q1730-09 | OU4-PCS-TC-22-040325 | 2-Fluorophenol | 150 | 76.4 | 51 | | 35 | 115 |
| | | Phenol-d6 | 150 | 76.7 | 51 | | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 50.2 | 50 | | 37 | 122 |

Alliance TECHNICAL GROUP
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# Surrogate Summary

**SW-846**

**SDG No.:** Q1730

**Client:** Nobis Group

**Analytical Method:** 8270E

| Lab Sample ID | Client ID | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | High |
|---|---|---|---|---|---|---|---|---|
| Q1730-09 | OU4-PCS-TC-22-040325 | 2-Fluorobiphenyl | 100 | 48.6 | 49 | | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 85.4 | 57 | | 39 | 132 |
| | | Terphenyl-d14 | 100 | 65.9 | 66 | | 54 | 127 |
| Q1730-11 | OU4-PCS-TC-23-040325 | 2-Fluorophenol | 150 | 76.5 | 51 | | 35 | 115 |
| | | Phenol-d6 | 150 | 74.0 | 49 | | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 51.6 | 52 | | 37 | 122 |
| | | 2-Fluorobiphenyl | 100 | 50.5 | 50 | | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 82.0 | 55 | | 39 | 132 |
| | | Terphenyl-d14 | 100 | 56.5 | 56 | | 54 | 127 |
| Q1730-13 | OU4-PCS-TC-24-040325 | 2-Fluorophenol | 150 | 95.9 | 64 | | 35 | 115 |
| | | Phenol-d6 | 150 | 99.6 | 66 | | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 61.5 | 62 | | 37 | 122 |
| | | 2-Fluorobiphenyl | 100 | 56.4 | 56 | | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 106 | 71 | | 39 | 132 |
| | | Terphenyl-d14 | 100 | 67.8 | 68 | | 54 | 127 |
| Q1730-15 | OU4-PCS-TC-25-040325 | 2-Fluorophenol | 150 | 101 | 67 | | 35 | 115 |
| | | Phenol-d6 | 150 | 106 | 71 | | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 64.2 | 64 | | 37 | 122 |
| | | 2-Fluorobiphenyl | 100 | 58.1 | 58 | | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 117 | 78 | | 39 | 132 |
| | | Terphenyl-d14 | 100 | 62.7 | 63 | | 54 | 127 |
| Q1730-17 | OU4-PCS-TC-26-040325 | 2-Fluorophenol | 150 | 110 | 74 | | 35 | 115 |
| | | Phenol-d6 | 150 | 105 | 70 | | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 74.0 | 74 | | 37 | 122 |
| | | 2-Fluorobiphenyl | 100 | 72.0 | 72 | | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 113 | 75 | | 39 | 132 |
| | | Terphenyl-d14 | 100 | 73.7 | 74 | | 54 | 127 |
| Q1730-19 | OU4-CF-15-040325 | 2-Fluorophenol | 150 | 105 | 70 | | 35 | 115 |
| | | Phenol-d6 | 150 | 106 | 71 | | 34 | 127 |
| | | Nitrobenzene-d5 | 100 | 68.5 | 69 | | 37 | 122 |
| | | 2-Fluorobiphenyl | 100 | 64.2 | 64 | | 44 | 115 |
| | | 2,4,6-Tribromophenol | 150 | 111 | 74 | | 39 | 132 |
| | | Terphenyl-d14 | 100 | 79.7 | 80 | | 54 | 127 |

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## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q1730

**Client:** Nobis Group

**Analytical Method:** SW8270E

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: Q1730-01MS** | | **Client Sample ID: OU4-VSL-15-040325MS** | | | | | | **DataFile: BP024231.D** | | | |
| Naphthalene | 1700 | 0 | 1600 | ug/Kg | 94 | | | | 35 | 123 | |
| 2-Methylnaphthalene | 1700 | 0 | 1500 | ug/Kg | 88 | | | | 38 | 122 | |
| Acenaphthylene | 1700 | 0 | 1800 | ug/Kg | 106 | | | | 32 | 132 | |
| Acenaphthene | 1700 | 0 | 1600 | ug/Kg | 94 | | | | 40 | 123 | |
| Fluorene | 1700 | 0 | 1700 | ug/Kg | 100 | | | | 43 | 125 | |
| Phenanthrene | 1700 | 0 | 1700 | ug/Kg | 100 | | | | 50 | 121 | |
| Anthracene | 1700 | 0 | 1800 | ug/Kg | 106 | | | | 47 | 123 | |
| Fluoranthene | 1700 | 0 | 1700 | ug/Kg | 100 | | | | 50 | 127 | |
| Pyrene | 1700 | 0 | 1700 | ug/Kg | 100 | | | | 47 | 127 | |
| Benzo(a)anthracene | 1700 | 0 | 1700 | ug/Kg | 100 | | | | 49 | 126 | |
| Chrysene | 1700 | 0 | 1700 | ug/Kg | 100 | | | | 50 | 124 | |
| Benzo(b)fluoranthene | 1700 | 0 | 1700 | ug/Kg | 100 | | | | 45 | 132 | |
| Benzo(k)fluoranthene | 1700 | 0 | 1600 | ug/Kg | 94 | | | | 47 | 132 | |
| Benzo(a)pyrene | 1700 | 0 | 1800 | ug/Kg | 106 | | | | 45 | 129 | |
| Indeno(1,2,3-cd)pyrene | 1700 | 0 | 1800 | ug/Kg | 106 | | | | 45 | 133 | |
| Dibenz(a,h)anthracene | 1700 | 0 | 1800 | ug/Kg | 106 | | | | 45 | 134 | |
| Benzo(g,h,i)perylene | 1700 | 0 | 1700 | ug/Kg | 100 | | | | 43 | 134 | |

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## Matrix Spike/Matrix Spike Duplicate Summary

### SW-846

**SDG No.:** Q1730

**Client:** Nobis Group

**Analytical Method:** SW8270E

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID:** Q1730-01MSD | | **Client Sample ID:** OU4-VSL-15-040325MSD | | | | | | **DataFile:** BP024232.D | | | |
| Naphthalene | 1700 | 0 | 1600 | ug/Kg | 94 | | 0 | | 35 | 123 | 20 |
| 2-Methylnaphthalene | 1700 | 0 | 1500 | ug/Kg | 88 | | 0 | | 38 | 122 | 20 |
| Acenaphthylene | 1700 | 0 | 1800 | ug/Kg | 106 | | 0 | | 32 | 132 | 20 |
| Acenaphthene | 1700 | 0 | 1600 | ug/Kg | 94 | | 0 | | 40 | 123 | 20 |
| Fluorene | 1700 | 0 | 1700 | ug/Kg | 100 | | 0 | | 43 | 125 | 20 |
| Phenanthrene | 1700 | 0 | 1700 | ug/Kg | 100 | | 0 | | 50 | 121 | 20 |
| Anthracene | 1700 | 0 | 1800 | ug/Kg | 106 | | 0 | | 47 | 123 | 20 |
| Fluoranthene | 1700 | 0 | 1700 | ug/Kg | 100 | | 0 | | 50 | 127 | 20 |
| Pyrene | 1700 | 0 | 1700 | ug/Kg | 100 | | 0 | | 47 | 127 | 20 |
| Benzo(a)anthracene | 1700 | 0 | 1700 | ug/Kg | 100 | | 0 | | 49 | 126 | 20 |
| Chrysene | 1700 | 0 | 1700 | ug/Kg | 100 | | 0 | | 50 | 124 | 20 |
| Benzo(b)fluoranthene | 1700 | 0 | 1600 | ug/Kg | 94 | | 6 | | 45 | 132 | 20 |
| Benzo(k)fluoranthene | 1700 | 0 | 1700 | ug/Kg | 100 | | 6 | | 47 | 132 | 20 |
| Benzo(a)pyrene | 1700 | 0 | 1800 | ug/Kg | 106 | | 0 | | 45 | 129 | 20 |
| Indeno(1,2,3-cd)pyrene | 1700 | 0 | 1700 | ug/Kg | 100 | | 6 | | 45 | 133 | 20 |
| Dibenz(a,h)anthracene | 1700 | 0 | 1700 | ug/Kg | 100 | | 6 | | 45 | 134 | 20 |
| Benzo(g,h,i)perylene | 1700 | 0 | 1700 | ug/Kg | 100 | | 0 | | 43 | 134 | 20 |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1730

**Client:** Nobis Group

**Analytical Method:** 8270E **DataFile:** BP024213.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB167474BS | Naphthalene | 1700 | 1400 | ug/Kg | 82 | | | | 35 | 123 | |
| | 2-Methylnaphthalene | 1700 | 1300 | ug/Kg | 76 | | | | 38 | 122 | |
| | Acenaphthylene | 1700 | 1600 | ug/Kg | 94 | | | | 32 | 132 | |
| | Acenaphthene | 1700 | 1500 | ug/Kg | 88 | | | | 40 | 123 | |
| | Fluorene | 1700 | 1500 | ug/Kg | 88 | | | | 43 | 125 | |
| | Phenanthrene | 1700 | 1500 | ug/Kg | 88 | | | | 50 | 121 | |
| | Anthracene | 1700 | 1600 | ug/Kg | 94 | | | | 47 | 123 | |
| | Fluoranthene | 1700 | 1500 | ug/Kg | 88 | | | | 50 | 127 | |
| | Pyrene | 1700 | 1500 | ug/Kg | 88 | | | | 47 | 127 | |
| | Benzo(a)anthracene | 1700 | 1500 | ug/Kg | 88 | | | | 49 | 126 | |
| | Chrysene | 1700 | 1500 | ug/Kg | 88 | | | | 50 | 124 | |
| | Benzo(b)fluoranthene | 1700 | 1500 | ug/Kg | 88 | | | | 45 | 132 | |
| | Benzo(k)fluoranthene | 1700 | 1500 | ug/Kg | 88 | | | | 47 | 132 | |
| | Benzo(a)pyrene | 1700 | 1600 | ug/Kg | 94 | | | | 45 | 129 | |
| | Indeno(1,2,3-cd)pyrene | 1700 | 1600 | ug/Kg | 94 | | | | 45 | 133 | |
| | Dibenz(a,h)anthracene | 1700 | 1600 | ug/Kg | 94 | | | | 45 | 134 | |
| | Benzo(g,h,i)perylene | 1700 | 1500 | ug/Kg | 88 | | | | 43 | 134 | |

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167474BL

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

Lab File ID: BP024212.D Lab Sample ID: PB167474BL

Instrument ID: BNA_P Date Extracted: 04/07/2025

Matrix: (soil/water) SOIL Date Analyzed: 04/08/2025

Level: (low/med) LOW Time Analyzed: 14:24

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| PB167474BS | PB167474BS | BP024213.D | 04/08/2025 |
| OU4-VSL-15-040325 | Q1730-01 | BP024214.D | 04/08/2025 |
| OU4-VSL-16-040325 | Q1730-03 | BP024217.D | 04/08/2025 |
| OU4-VSL-17-040325 | Q1730-05 | BP024218.D | 04/08/2025 |
| OU4-PCS-TC-21-040325 | Q1730-07 | BP024219.D | 04/08/2025 |
| OU4-PCS-TC-22-040325 | Q1730-09 | BP024220.D | 04/08/2025 |
| OU4-PCS-TC-23-040325 | Q1730-11 | BP024221.D | 04/08/2025 |
| OU4-PCS-TC-24-040325 | Q1730-13 | BP024222.D | 04/08/2025 |
| OU4-PCS-TC-25-040325 | Q1730-15 | BP024223.D | 04/08/2025 |
| OU4-PCS-TC-26-040325 | Q1730-17 | BP024224.D | 04/08/2025 |
| OU4-CF-15-040325 | Q1730-19 | BP024225.D | 04/08/2025 |
| OU4-VSL-15-040325MS | Q1730-01MS | BP024231.D | 04/09/2025 |
| OU4-VSL-15-040325MSD | Q1730-01MSD | BP024232.D | 04/09/2025 |

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM SAS No.: Q1730 SDG NO.: Q1730

Lab File ID: BP024159.D DFTPP Injection Date: 03/12/2025

Instrument ID: BNA_P DFTPP Injection Time: 15:36

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 28.5 |
| 68 | Less than 2.0% of mass 69 | 0.6 ( 1.6 ) 1 |
| 69 | Mass 69 relative abundance | 33.9 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.6 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 46.1 |
| 197 | Less than 2.0% of mass 198 | 0.4 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 6.8 |
| 275 | 10.0 - 60.0% of mass 198 | 27.5 |
| 365 | Greater than 1% of mass 198 | 3.8 |
| 441 | Present, but less than mass 443 | 14.7 |
| 442 | Greater than 50% of mass 198 | 100.0 |
| 443 | 15.0 - 24.0% of mass 442 | 18.4 (19.5) 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 | BP024160.D | 03/12/2025 | 16:17 |
| SSTDICC005 | SSTDICC005 | BP024161.D | 03/12/2025 | 16:57 |
| SSTDICC010 | SSTDICC010 | BP024162.D | 03/12/2025 | 17:38 |
| SSTDICC020 | SSTDICC020 | BP024163.D | 03/12/2025 | 18:19 |
| SSTDICCC040 | SSTDICCC040 | BP024164.D | 03/12/2025 | 19:00 |
| SSTDICC050 | SSTDICC050 | BP024165.D | 03/12/2025 | 19:41 |
| SSTDICC060 | SSTDICC060 | BP024166.D | 03/12/2025 | 20:21 |
| SSTDICC080 | SSTDICC080 | BP024167.D | 03/12/2025 | 21:02 |

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM SAS No.: Q1730 SDG NO.: Q1730

Lab File ID: BP024210.D DFTPP Injection Date: 04/08/2025

Instrument ID: BNA_P DFTPP Injection Time: 13:02

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 28 |
| 68 | Less than 2.0% of mass 69 | 0.6 ( 1.7 ) 1 |
| 69 | Mass 69 relative abundance | 34.4 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.6 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 46.5 |
| 197 | Less than 2.0% of mass 198 | 0.3 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 6.8 |
| 275 | 10.0 - 60.0% of mass 198 | 27.8 |
| 365 | Greater than 1% of mass 198 | 3.7 |
| 441 | Present, but less than mass 443 | 15.1 |
| 442 | Greater than 50% of mass 198 | 100.0 |
| 443 | 15.0 - 24.0% of mass 442 | 19 (19.3) 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 | BP024211.D | 04/08/2025 | 13:43 |
| PB167474BL | PB167474BL | BP024212.D | 04/08/2025 | 14:24 |
| PB167474BS | PB167474BS | BP024213.D | 04/08/2025 | 15:04 |
| OU4-VSL-15-040325 | Q1730-01 | BP024214.D | 04/08/2025 | 15:45 |
| OU4-VSL-16-040325 | Q1730-03 | BP024217.D | 04/08/2025 | 17:47 |
| OU4-VSL-17-040325 | Q1730-05 | BP024218.D | 04/08/2025 | 18:28 |
| OU4-PCS-TC-21-040325 | Q1730-07 | BP024219.D | 04/08/2025 | 19:09 |
| OU4-PCS-TC-22-040325 | Q1730-09 | BP024220.D | 04/08/2025 | 19:50 |
| OU4-PCS-TC-23-040325 | Q1730-11 | BP024221.D | 04/08/2025 | 20:31 |
| OU4-PCS-TC-24-040325 | Q1730-13 | BP024222.D | 04/08/2025 | 21:11 |
| OU4-PCS-TC-25-040325 | Q1730-15 | BP024223.D | 04/08/2025 | 21:52 |
| OU4-PCS-TC-26-040325 | Q1730-17 | BP024224.D | 04/08/2025 | 22:33 |
| OU4-CF-15-040325 | Q1730-19 | BP024225.D | 04/08/2025 | 23:13 |
| SSTDCCC040EC | SSTDCCC040 | BP024226.D | 04/08/2025 | 23:54 |

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM SAS No.: Q1730 SDG NO.: Q1730

Lab File ID: BP024227.D DFTPP Injection Date: 04/09/2025

Instrument ID: BNA_P DFTPP Injection Time: 08:42

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 28.2 |
| 68 | Less than 2.0% of mass 69 | 0.6 ( 1.6 ) 1 |
| 69 | Mass 69 relative abundance | 34.3 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.5 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 46.7 |
| 197 | Less than 2.0% of mass 198 | 0.5 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 6.9 |
| 275 | 10.0 - 60.0% of mass 198 | 28.9 |
| 365 | Greater than 1% of mass 198 | 3.8 |
| 441 | Present, but less than mass 443 | 14.5 |
| 442 | Greater than 50% of mass 198 | 100.0 |
| 443 | 15.0 - 24.0% of mass 442 | 18.3 (19.7) 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 | BP024228.D | 04/09/2025 | 10:08 |
| OU4-VSL-15-040325MS | Q1730-01MS | BP024231.D | 04/09/2025 | 12:15 |
| OU4-VSL-15-040325MSD | Q1730-01MSD | BP024232.D | 04/09/2025 | 12:56 |
| SSTDCCC040EC | SSTDCCC040 | BP024243.D | 04/09/2025 | 20:24 |

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/08/2025

Lab File ID: BP024211.D Time Analyzed: 13:43

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 | 417672 | 7.734 | 1599400 | 10.52 | 884782 | 14.39 |
| | UPPER LIMIT | 835344 | 8.234 | 3198800 | 11.016 | 1769560 | 14.887 |
| | LOWER LIMIT | 208836 | 7.234 | 799700 | 10.016 | 442391 | 13.887 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | OU4-PCS-TC-24-040325 | 383991 | 7.74 | 1666470 | 10.52 | 1139820 | 14.38 |
| 02 | OU4-PCS-TC-25-040325 | 229471 | 7.74 | 1019600 | 10.52 | 744658 | 14.38 |
| 03 | OU4-PCS-TC-26-040325 | 380917 | 7.74 | 1487330 | 10.52 | 855561 | 14.38 |
| 04 | OU4-CF-15-040325 | 330426 | 7.74 | 1354280 | 10.52 | 859413 | 14.38 |
| 05 | PB167474BL | 275560 | 7.74 | 1172450 | 10.52 | 810069 | 14.38 |
| 06 | PB167474BS | 432520 | 7.74 | 1663510 | 10.52 | 944043 | 14.39 |
| 07 | OU4-VSL-15-040325 | 355993 | 7.74 | 1507530 | 10.52 | 1005040 | 14.38 |
| 08 | OU4-VSL-16-040325 | 371539 | 7.74 | 1565640 | 10.52 | 1070040 | 14.39 |
| 09 | OU4-VSL-17-040325 | 223104 | 7.74 | 995133 | 10.52 | 728757 | 14.38 |
| 10 | OU4-PCS-TC-21-040325 | 344884 | 7.74 | 1325240 | 10.52 | 771593 | 14.38 |
| 11 | OU4-PCS-TC-22-040325 | 425623 | 7.74 | 1737720 | 10.52 | 1085100 | 14.38 |
| 12 | OU4-PCS-TC-23-040325 | 358338 | 7.74 | 1367640 | 10.52 | 804787 | 14.38 |

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.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/08/2025

Lab File ID: BP024211.D Time Analyzed: 13:43

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 | 1496180 | 17.204 | 1314880 | 21.651 | 1482250 | 25.045 |
| | UPPER LIMIT | 2992360 | 17.704 | 2629760 | 22.151 | 2964500 | 25.545 |
| | LOWER LIMIT | 748090 | 16.704 | 657440 | 21.151 | 741125 | 24.545 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | OU4-PCS-TC-24-040325 | 2384260 | 17.19 | 2400490 | 21.64 | 2207610 | 25.02 |
| 02 | OU4-PCS-TC-25-040325 | 1784730 | 17.18 | 2340680 | 21.63 | 2624540 | 25.00 |
| 03 | OU4-PCS-TC-26-040325 | 1625030 | 17.19 | 1730310 | 21.63 | 1816080 | 25.01 |
| 04 | OU4-CF-15-040325 | 1805840 | 17.19 | 1663410 | 21.63 | 1560240 | 25.00 |
| 05 | PB167474BL | 1923060 | 17.20 | 2416140 | 21.65 | 2577910 | 25.05 |
| 06 | PB167474BS | 1779010 | 17.19 | 1788680 | 21.65 | 1910300 | 25.03 |
| 07 | OU4-VSL-15-040325 | 2144380 | 17.19 | 2389800 | 21.65 | 2460090 | 25.03 |
| 08 | OU4-VSL-16-040325 | 2242630 | 17.19 | 2386600 | 21.65 | 2424310 | 25.02 |
| 09 | OU4-VSL-17-040325 | 1794370 | 17.18 | 2303530 | 21.64 | 2559480 | 25.02 |
| 10 | OU4-PCS-TC-21-040325 | 1471520 | 17.19 | 1620390 | 21.63 | 1759030 | 25.02 |
| 11 | OU4-PCS-TC-22-040325 | 2131220 | 17.18 | 1837980 | 21.64 | 1509060 | 25.03 |
| 12 | OU4-PCS-TC-23-040325 | 1593320 | 17.19 | 1784240 | 21.64 | 1907980 | 25.00 |

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/09/2025

Lab File ID: BP024228.D Time Analyzed: 10:08

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 | 293576 | 7.769 | 1173450 | 10.55 | 712048 | 14.40 |
| | UPPER LIMIT | 587152 | 8.269 | 2346900 | 11.052 | 1424100 | 14.904 |
| | LOWER LIMIT | 146788 | 7.269 | 586725 | 10.052 | 356024 | 13.904 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | OU4-VSL-15-040325MS | 281108 | 7.74 | 1119090 | 10.52 | 687797 | 14.37 |
| 02 | OU4-VSL-15-040325MSD | 286902 | 7.74 | 1149850 | 10.52 | 708393 | 14.38 |

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.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/09/2025

Lab File ID: BP024228.D Time Analyzed: 10:08

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 | 1380060 | 17.222 | 1470280 | 21.651 | 1654290 | 25.033 |
| | UPPER LIMIT | 2760120 | 17.722 | 2940560 | 22.151 | 3308580 | 25.533 |
| | LOWER LIMIT | 690030 | 16.722 | 735140 | 21.151 | 827145 | 24.533 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | OU4-VSL-15-040325MS | 1328840 | 17.18 | 1384500 | 21.64 | 1577240 | 25.00 |
| 02 | OU4-VSL-15-040325MSD | 1387590 | 17.20 | 1504350 | 21.63 | 1667150 | 25.00 |

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

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-VSL-15-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-01 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 96.9 |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group3 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024214.D | 1 | 04/07/25 08:55 | 04/08/25 15:45 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 91-20-3 | Naphthalene | 0.13 | U | 0.023 | 0.13 | 0.18 | mg/Kg |
| 91-57-6 | 2-Methylnaphthalene | 0.13 | U | 0.026 | 0.13 | 0.18 | mg/Kg |
| 208-96-8 | Acenaphthylene | 0.13 | U | 0.030 | 0.13 | 0.18 | mg/Kg |
| 83-32-9 | Acenaphthene | 0.13 | U | 0.022 | 0.13 | 0.18 | mg/Kg |
| 86-73-7 | Fluorene | 0.13 | U | 0.026 | 0.13 | 0.18 | mg/Kg |
| 85-01-8 | Phenanthrene | 0.13 | U | 0.022 | 0.13 | 0.18 | mg/Kg |
| 120-12-7 | Anthracene | 0.13 | U | 0.034 | 0.13 | 0.18 | mg/Kg |
| 206-44-0 | Fluoranthene | 0.13 | U | 0.031 | 0.13 | 0.18 | mg/Kg |
| 129-00-0 | Pyrene | 0.13 | U | 0.037 | 0.13 | 0.18 | mg/Kg |
| 56-55-3 | Benzo(a)anthracene | 0.13 | U | 0.024 | 0.13 | 0.18 | mg/Kg |
| 218-01-9 | Chrysene | 0.13 | U | 0.021 | 0.13 | 0.18 | mg/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 0.13 | U | 0.020 | 0.13 | 0.18 | mg/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 0.13 | U | 0.023 | 0.13 | 0.18 | mg/Kg |
| 50-32-8 | Benzo(a)pyrene | 0.13 | U | 0.030 | 0.13 | 0.18 | mg/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.13 | U | 0.030 | 0.13 | 0.18 | mg/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.13 | U | 0.028 | 0.13 | 0.18 | mg/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 0.13 | U | 0.027 | 0.13 | 0.18 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 109 | | 35 - 115 | | 73% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 115 | | 34 - 127 | | 76% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 75.5 | | 37 - 122 | | 75% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 74.2 | | 44 - 115 | | 74% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 113 | | 39 - 132 | | 75% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 79.4 | | 54 - 127 | | 79% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 356000 | 7.74 | | | | |
| 1146-65-2 | Naphthalene-d8 | 1510000 | 10.522 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 1010000 | 14.381 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 2140000 | 17.192 | | | | |

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-VSL-15-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-01 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 96.9 |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group3 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024214.D | 1 | 04/07/25 08:55 | 04/08/25 15:45 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 1719-03-5 | Chrysene-d12 | 2390000 | 21.651 | | | | |
| 1520-96-3 | Perylene-d12 | 2460000 | 25.033 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 15972608 | Alachlor | 0 | U | | | N.D | mg/Kg |

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\BP040825\
Data File : BP024214.D
Acq On : 08 Apr 2025 15:45
Operator : RC/JU
Sample : Q1730-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325

Quant Time: Apr 08 18:28:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

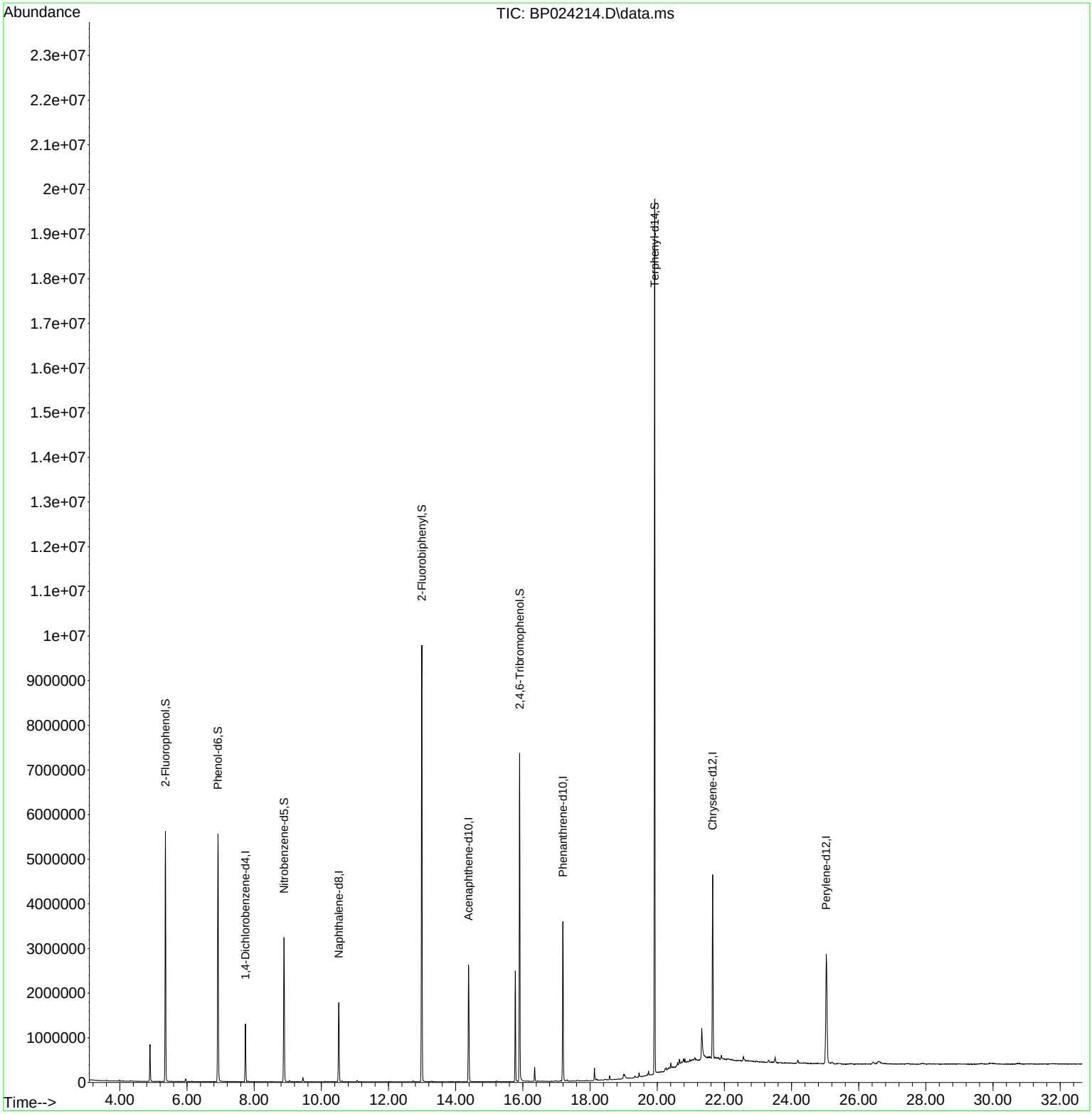
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.740 | 152 | 355993 | 20.000 | ng | -0.03 |
| 21) Naphthalene-d8 | 10.522 | 136 | 1507529 | 20.000 | ng | -0.03 |
| 39) Acenaphthene-d10 | 14.381 | 164 | 1005040 | 20.000 | ng | -0.02 |
| 64) Phenanthrene-d10 | 17.192 | 188 | 2144376 | 20.000 | ng | -0.01 |
| 76) Chrysene-d12 | 21.651 | 240 | 2389803 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 25.033 | 264 | 2460085 | 20.000 | ng | -0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.358 | 112 | 2431105 | 109.011 | ng | -0.02 |
| 7) Phenol-d6 | 6.922 | 99 | 3416670 | 114.566 | ng | -0.03 |
| 23) Nitrobenzene-d5 | 8.887 | 82 | 2017049 | 75.490 | ng | -0.04 |
| 42) 2,4,6-Tribromophenol | 15.904 | 330 | 1426698 | 112.696 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 12.992 | 172 | 5055664 | 74.173 | ng | -0.02 |
| 79) Terphenyl-d14 | 19.927 | 244 | 9186658 | 79.351 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |

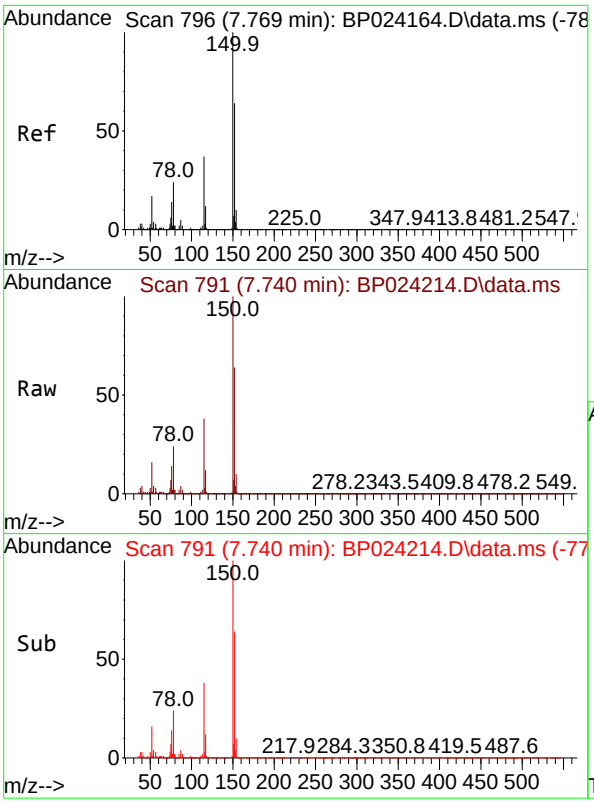
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024214.D
Acq On : 08 Apr 2025 15:45
Operator : RC/JU
Sample : Q1730-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325

Quant Time: Apr 08 18:28:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration



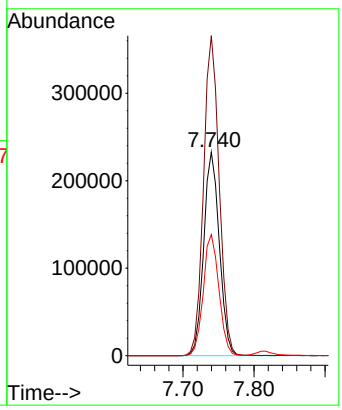


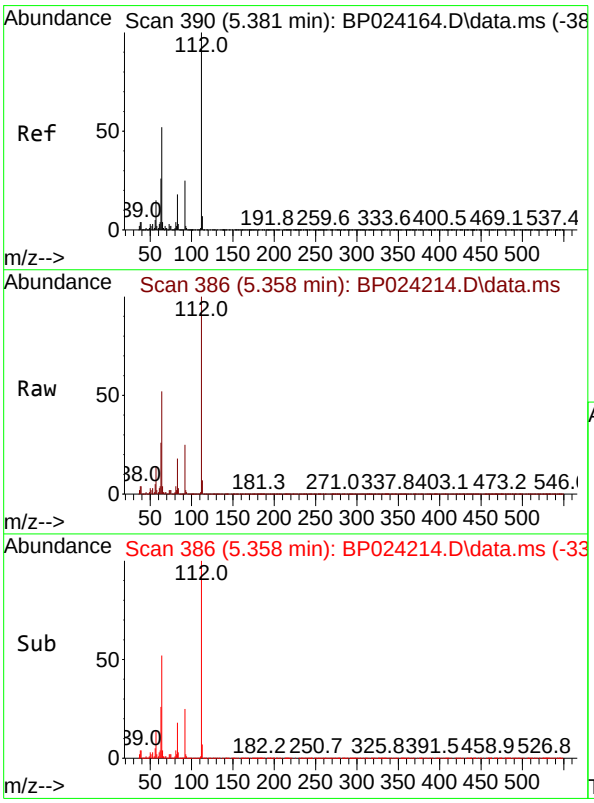

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.029 min
Lab File: BP024214.D
Acq: 08 Apr 2025 15:45

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325

Tgt Ion:152 Resp: 355993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.2 | 125.5 | 188.3 |
| 115 | 59.5 | 46.3 | 69.5 |

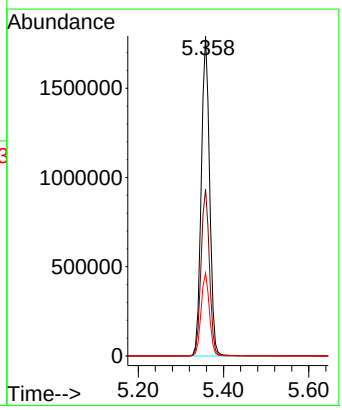


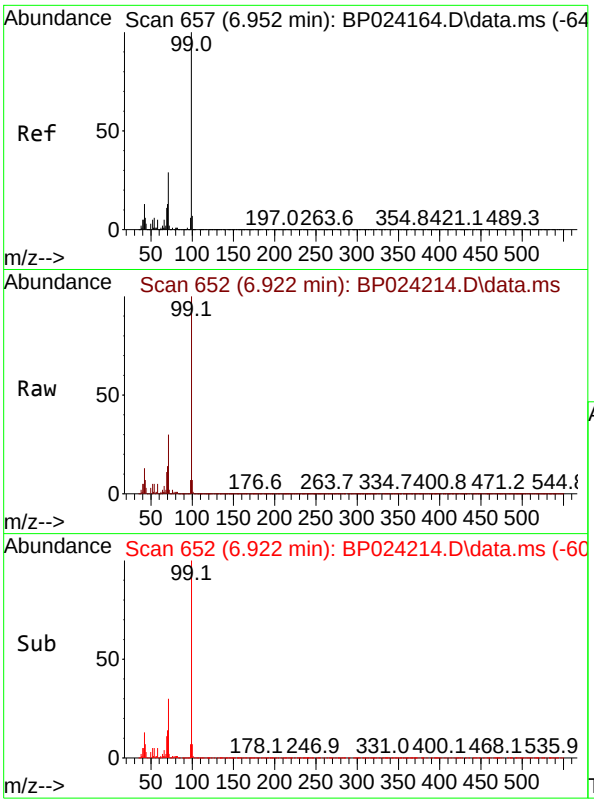




#5
2-Fluorophenol
Concen: 109.011 ng
RT: 5.358 min Scan# 386
Delta R.T. -0.024 min
Lab File: BP024214.D
Acq: 08 Apr 2025 15:45

Tgt Ion:112 Resp: 2431105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.1 | 41.3 | 61.9 |
| 63 | 25.9 | 20.6 | 31.0 |



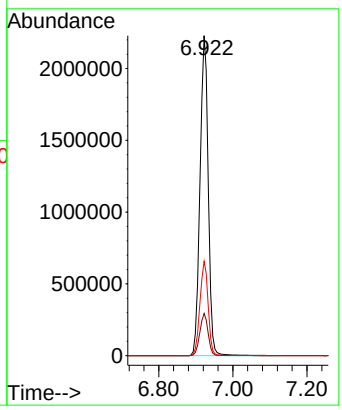


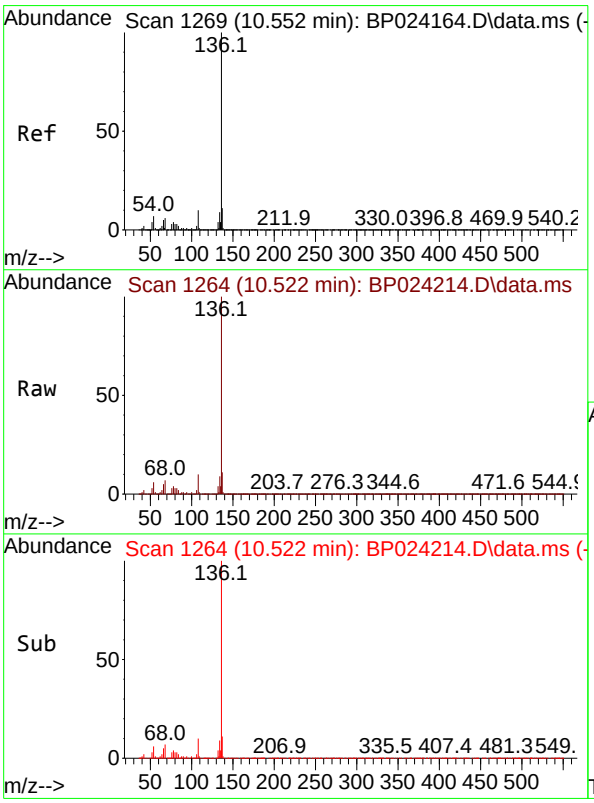

#7
Phenol-d6
Concen: 114.566 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.030 min
Lab File: BP024214.D
Acq: 08 Apr 2025 15:45

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325

Tgt Ion: 99 Resp: 3416670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.2 | 10.6 | 16.0 |
| 71 | 29.5 | 23.3 | 34.9 |

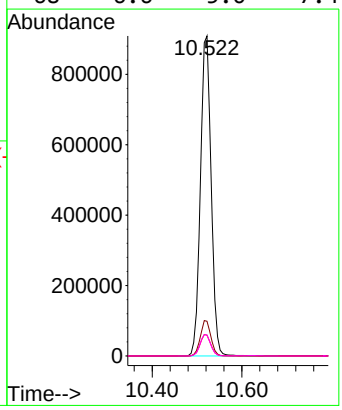


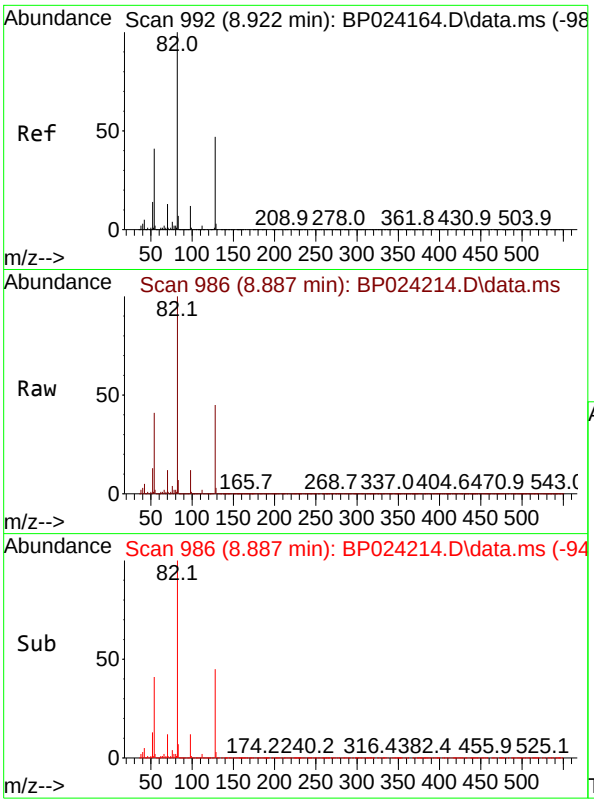




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.522 min Scan# 1264
Delta R.T. -0.030 min
Lab File: BP024214.D
Acq: 08 Apr 2025 15:45

Tgt Ion:136 Resp: 1507529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 9.0 | 13.4 |
| 54 | 6.5 | 5.3 | 7.9 |
| 68 | 6.6 | 5.0 | 7.4 |



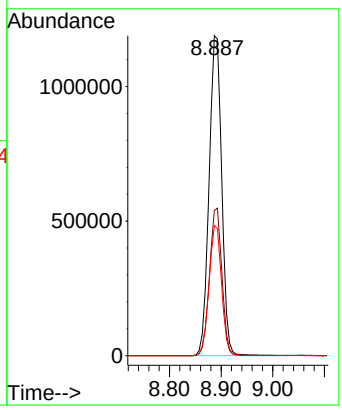


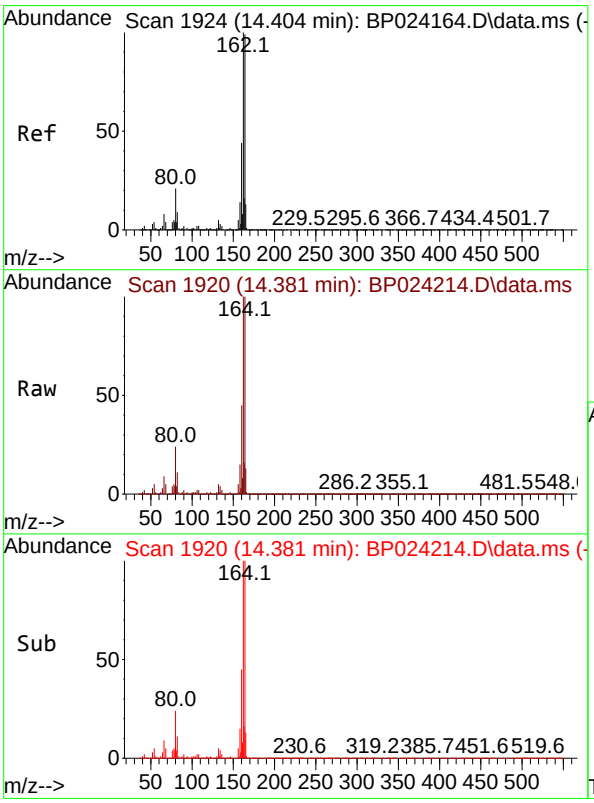

#23
Nitrobenzene-d5
Concen: 75.490 ng
RT: 8.887 min Scan# 9
Delta R.T. -0.035 min
Lab File: BP024214.D
Acq: 08 Apr 2025 15:45

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325

Tgt Ion: 82 Resp: 2017049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.4 | 37.4 | 56.0 |
| 54 | 40.7 | 32.5 | 48.7 |

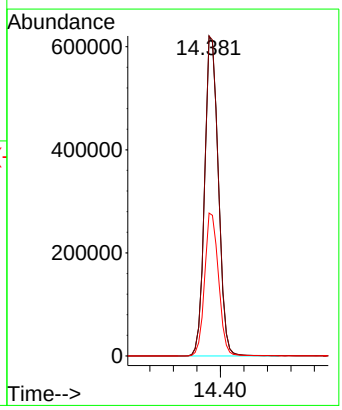


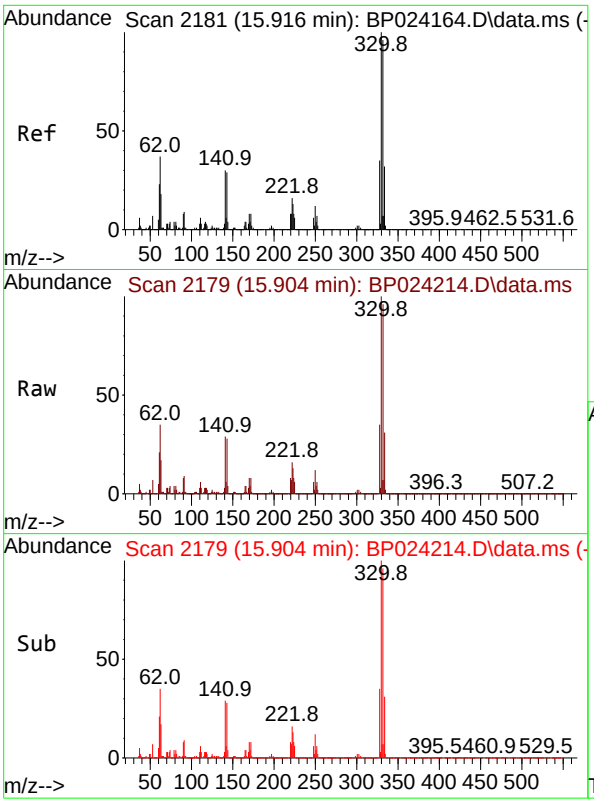




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.381 min Scan# 1920
Delta R.T. -0.024 min
Lab File: BP024214.D
Acq: 08 Apr 2025 15:45

Tgt Ion:164 Resp: 1005040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.1 | 80.6 | 121.0 |
| 160 | 44.7 | 35.4 | 53.2 |



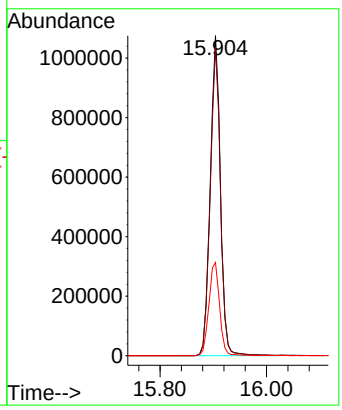


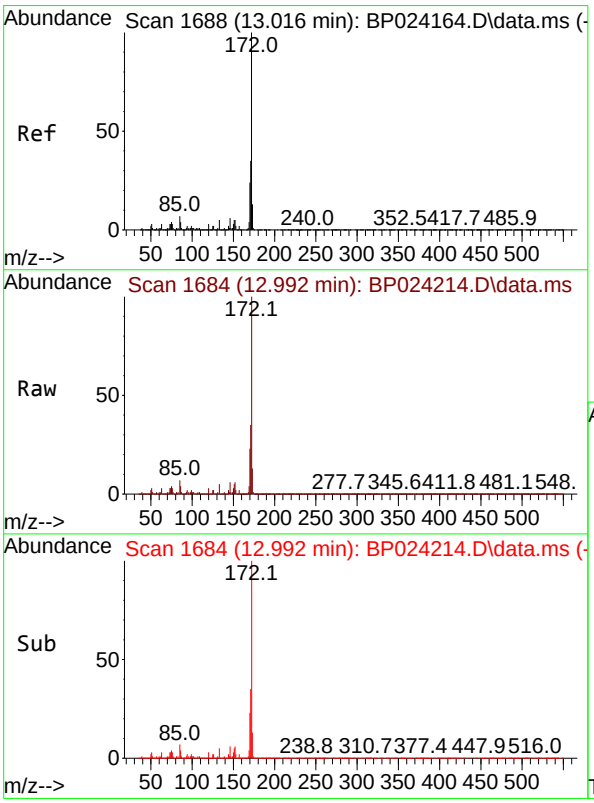

#42
2,4,6-Tribromophenol
Concen: 112.696 ng
RT: 15.904 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024214.D
Acq: 08 Apr 2025 15:45

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325

Tgt Ion:330 Resp: 1426698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.3 | 77.6 | 116.4 |
| 141 | 30.8 | 25.0 | 37.6 |

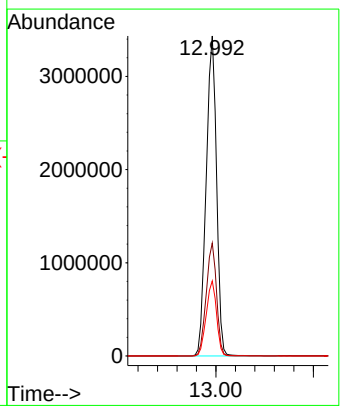


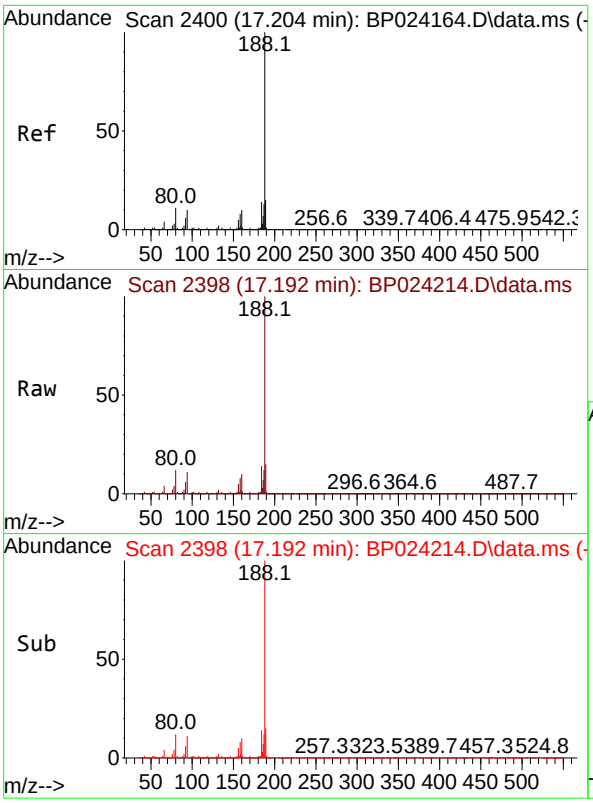




#45
2-Fluorobiphenyl
Concen: 74.173 ng
RT: 12.992 min Scan# 1684
Delta R.T. -0.024 min
Lab File: BP024214.D
Acq: 08 Apr 2025 15:45

Tgt Ion:172 Resp: 5055664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 28.3 | 42.5 |
| 170 | 23.5 | 19.0 | 28.4 |



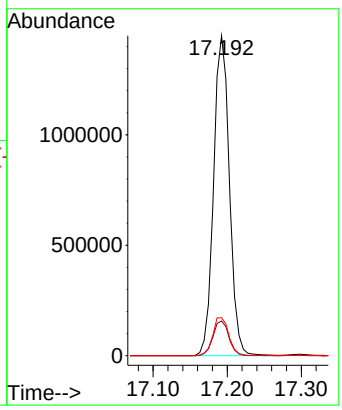


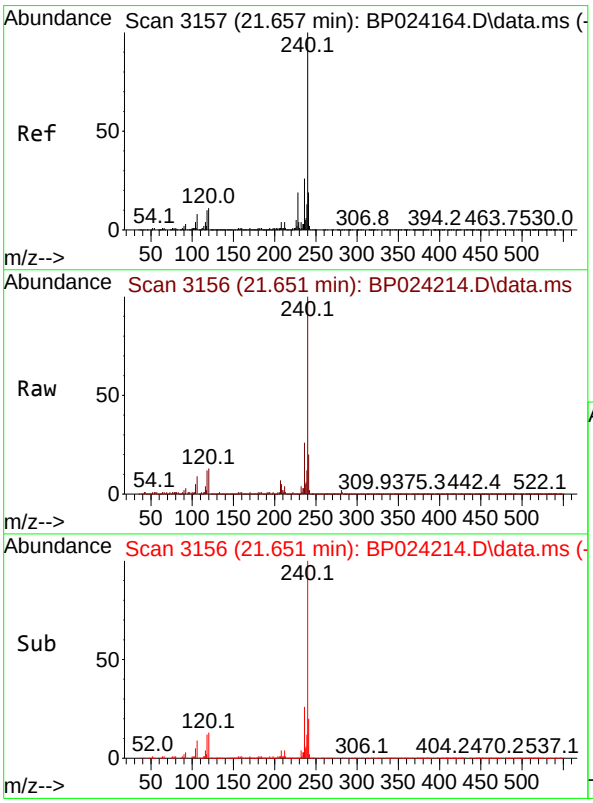

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024214.D
Acq: 08 Apr 2025 15:45

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325

Tgt Ion:188 Resp: 2144376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.9 | 8.1 | 12.1 |
| 80 | 11.9 | 8.9 | 13.3 |

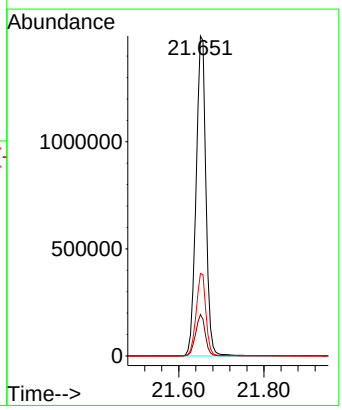


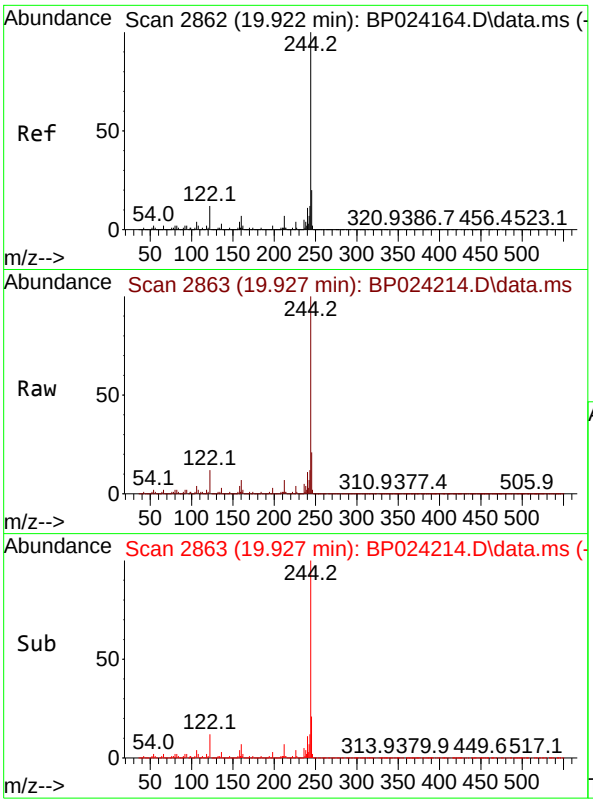




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.651 min Scan# 3156
Delta R.T. -0.006 min
Lab File: BP024214.D
Acq: 08 Apr 2025 15:45

Tgt Ion:240 Resp: 2389803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.9 | 9.2 | 13.8 |
| 236 | 25.8 | 20.4 | 30.6 |



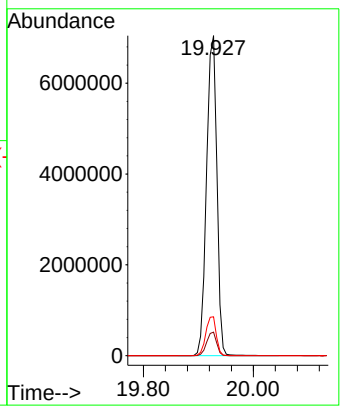


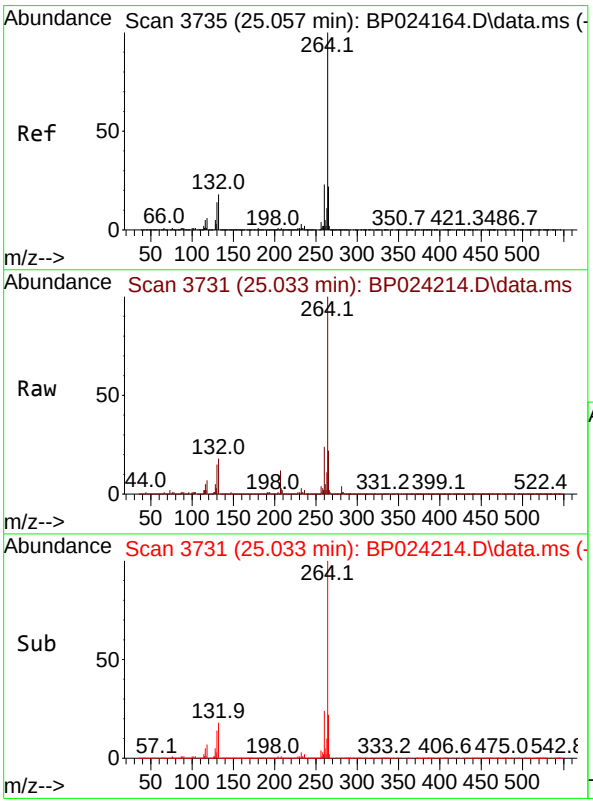

#79
Terphenyl-d14
Concen: 79.351 ng
RT: 19.927 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024214.D
Acq: 08 Apr 2025 15:45

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325

Tgt Ion:244 Resp: 9186658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.4 | 5.7 | 8.5 |
| 122 | 12.2 | 9.6 | 14.4 |

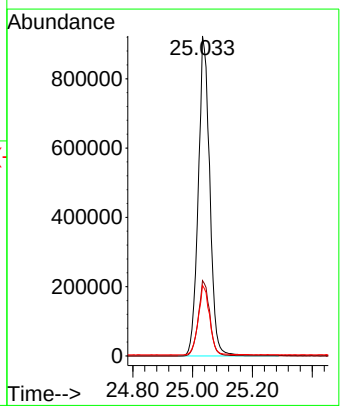



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.033 min Scan# 3731
Delta R.T. -0.024 min
Lab File: BP024214.D
Acq: 08 Apr 2025 15:45

Tgt Ion:264 Resp: 2460085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 18.5 | 27.7 |
| 265 | 22.1 | 17.7 | 26.5 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-VSL-16-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-03 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 94.5 |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group3 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024217.D | 1 | 04/07/25 08:55 | 04/08/25 17:47 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 91-20-3 | Naphthalene | 0.14 | U | 0.024 | 0.14 | 0.18 | mg/Kg |
| 91-57-6 | 2-Methylnaphthalene | 0.14 | U | 0.027 | 0.14 | 0.18 | mg/Kg |
| 208-96-8 | Acenaphthylene | 0.14 | U | 0.031 | 0.14 | 0.18 | mg/Kg |
| 83-32-9 | Acenaphthene | 0.14 | U | 0.023 | 0.14 | 0.18 | mg/Kg |
| 86-73-7 | Fluorene | 0.14 | U | 0.027 | 0.14 | 0.18 | mg/Kg |
| 85-01-8 | Phenanthrene | 0.14 | U | 0.022 | 0.14 | 0.18 | mg/Kg |
| 120-12-7 | Anthracene | 0.14 | U | 0.035 | 0.14 | 0.18 | mg/Kg |
| 206-44-0 | Fluoranthene | 0.14 | U | 0.032 | 0.14 | 0.18 | mg/Kg |
| 129-00-0 | Pyrene | 0.14 | U | 0.038 | 0.14 | 0.18 | mg/Kg |
| 56-55-3 | Benzo(a)anthracene | 0.14 | U | 0.024 | 0.14 | 0.18 | mg/Kg |
| 218-01-9 | Chrysene | 0.14 | U | 0.021 | 0.14 | 0.18 | mg/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 0.14 | U | 0.020 | 0.14 | 0.18 | mg/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 0.14 | U | 0.024 | 0.14 | 0.18 | mg/Kg |
| 50-32-8 | Benzo(a)pyrene | 0.14 | U | 0.031 | 0.14 | 0.18 | mg/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.14 | U | 0.031 | 0.14 | 0.18 | mg/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.14 | U | 0.029 | 0.14 | 0.18 | mg/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 0.14 | U | 0.027 | 0.14 | 0.18 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 87.4 | | 35 - 115 | | 58% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 88.3 | | 34 - 127 | | 59% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 58.1 | | 37 - 122 | | 58% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 55.0 | | 44 - 115 | | 55% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 98.1 | | 39 - 132 | | 65% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 64.0 | | 54 - 127 | | 64% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 372000 | 7.74 | | | | |
| 1146-65-2 | Naphthalene-d8 | 1570000 | 10.516 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 1070000 | 14.387 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 2240000 | 17.187 | | | | |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-VSL-16-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-03 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 94.5 |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group3 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024217.D | 1 | 04/07/25 08:55 | 04/08/25 17:47 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 1719-03-5 | Chrysene-d12 | 2390000 | 21.645 | | | | |
| 1520-96-3 | Perylene-d12 | 2420000 | 25.016 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 15972608 | Alachlor | 0 | U | | | N.D | mg/Kg |

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\BP040825\
Data File : BP024217.D
Acq On : 08 Apr 2025 17:47
Operator : RC/JU
Sample : Q1730-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-16-040325

Quant Time: Apr 08 18:29:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

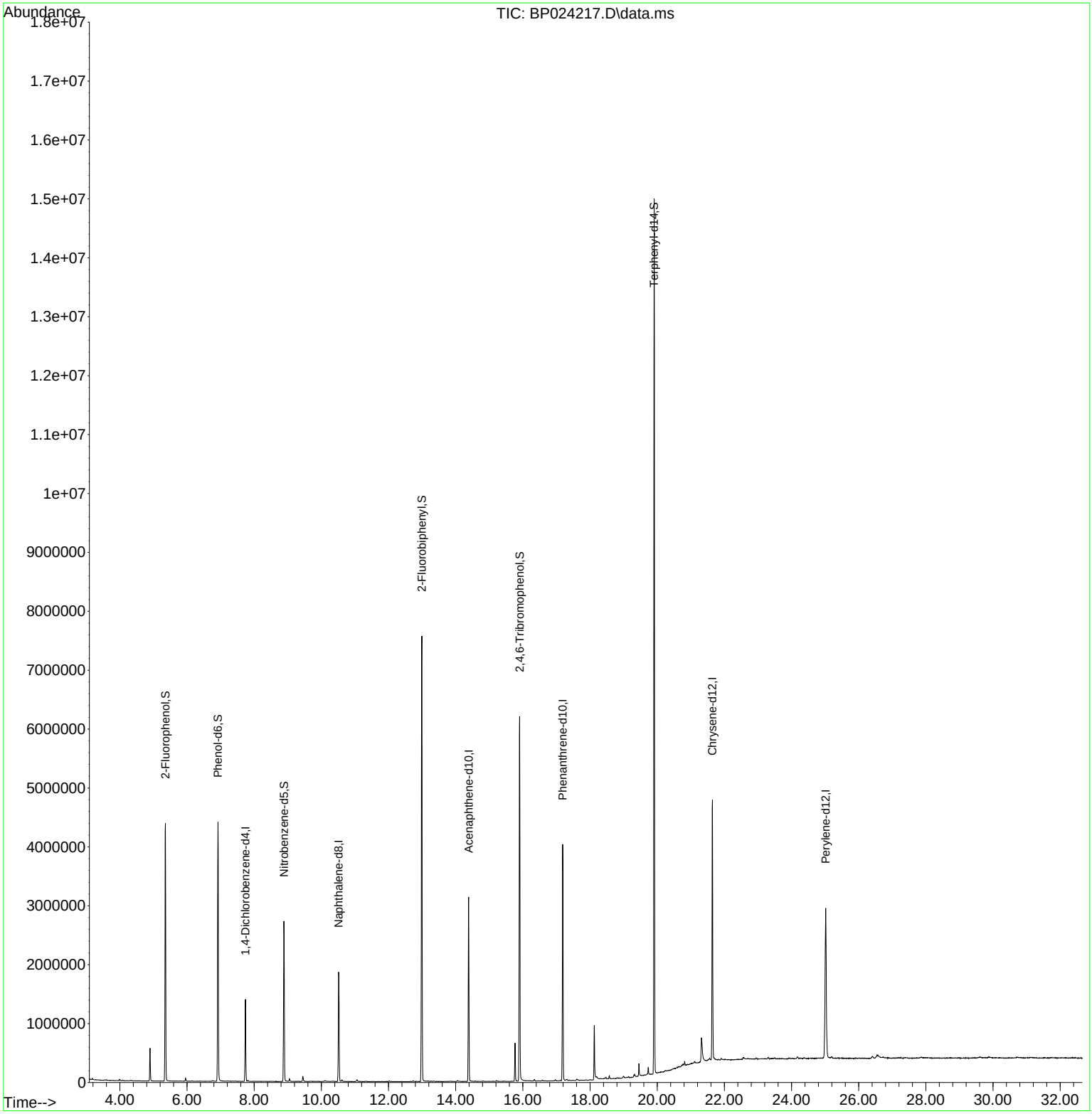
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.740 | 152 | 371539 | 20.000 | ng | -0.03 |
| 21) Naphthalene-d8 | 10.516 | 136 | 1565639 | 20.000 | ng | -0.04 |
| 39) Acenaphthene-d10 | 14.387 | 164 | 1070035 | 20.000 | ng | -0.02 |
| 64) Phenanthrene-d10 | 17.187 | 188 | 2242625 | 20.000 | ng | -0.02 |
| 76) Chrysene-d12 | 21.645 | 240 | 2386604 | 20.000 | ng | -0.01 |
| 86) Perylene-d12 | 25.016 | 264 | 2424308 | 20.000 | ng | -0.04 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.358 | 112 | 2034692 | 87.419 | ng | -0.02 |
| 7) Phenol-d6 | 6.922 | 99 | 2747437 | 88.271 | ng | -0.03 |
| 23) Nitrobenzene-d5 | 8.887 | 82 | 1613480 | 58.145 | ng | -0.04 |
| 42) 2,4,6-Tribromophenol | 15.904 | 330 | 1321971 | 98.080 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 12.993 | 172 | 3991458 | 55.003 | ng | -0.02 |
| 79) Terphenyl-d14 | 19.910 | 244 | 7404845 | 64.046 | ng | -0.01 |
| Target Compounds | | | | | | Qvalue |

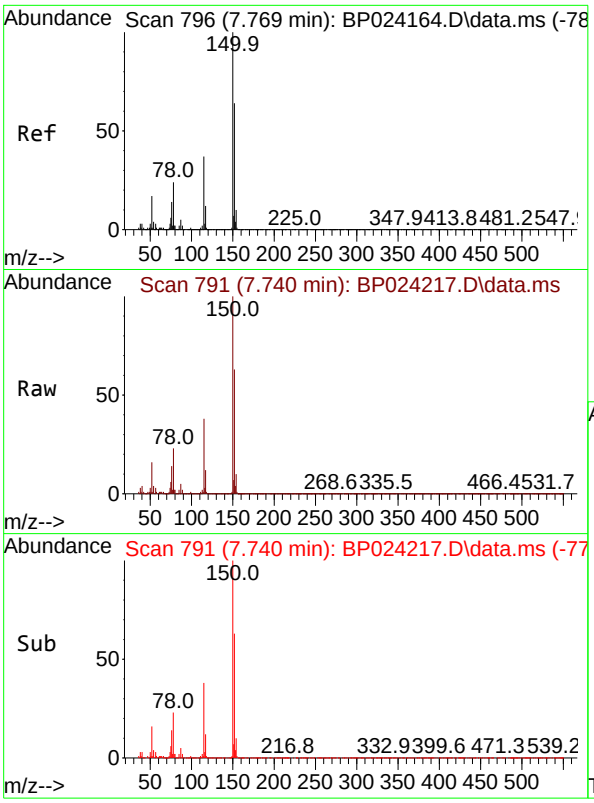
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024217.D
Acq On : 08 Apr 2025 17:47
Operator : RC/JU
Sample : Q1730-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-16-040325

Quant Time: Apr 08 18:29:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration



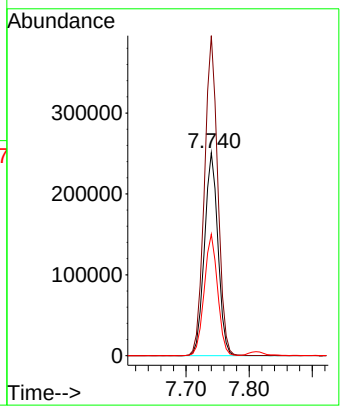


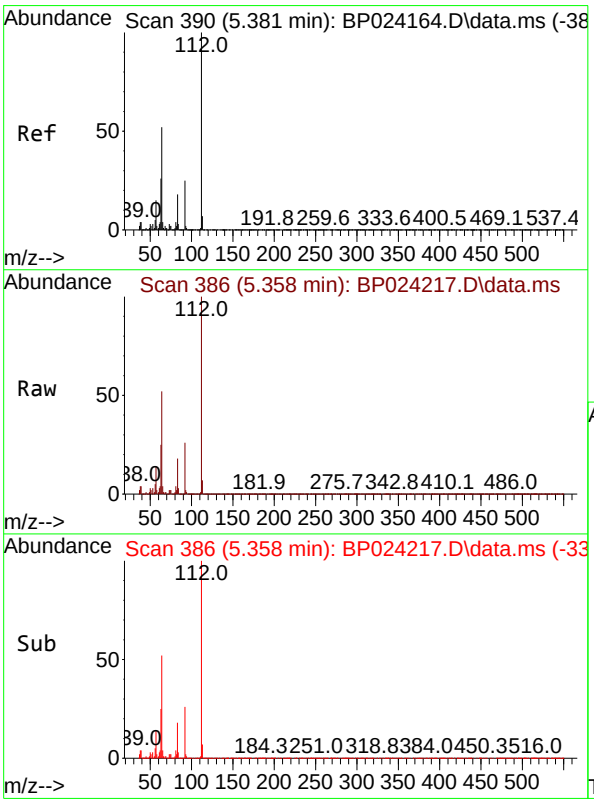

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.029 min
Lab File: BP024217.D
Acq: 08 Apr 2025 17:47

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-16-040325

Tgt Ion:152 Resp: 371539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.7 | 125.5 | 188.3 |
| 115 | 59.8 | 46.3 | 69.5 |

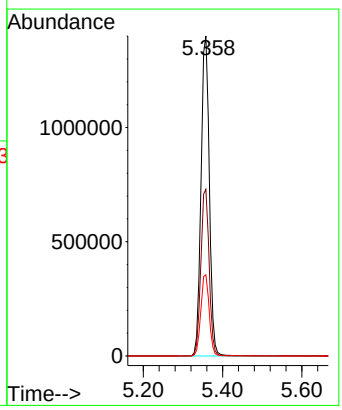


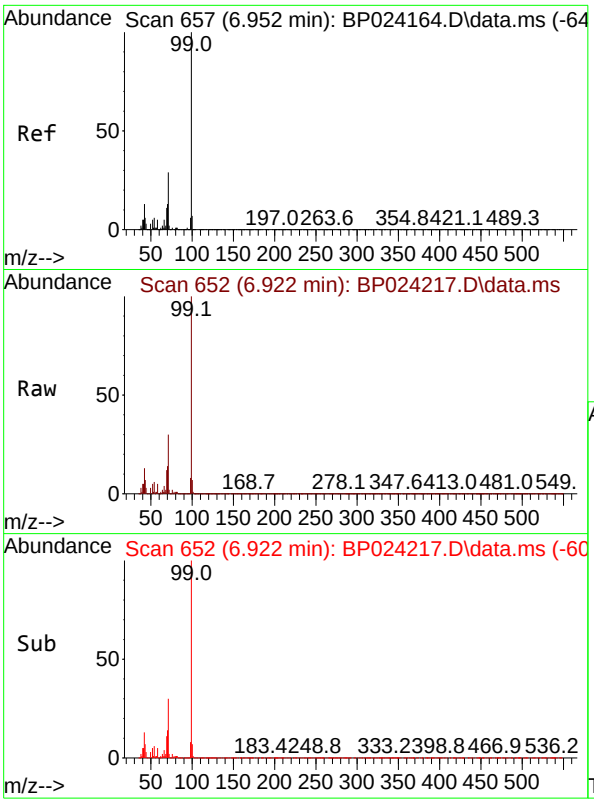




#5
2-Fluorophenol
Concen: 87.419 ng
RT: 5.358 min Scan# 386
Delta R.T. -0.024 min
Lab File: BP024217.D
Acq: 08 Apr 2025 17:47

Tgt Ion:112 Resp: 2034692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.1 | 41.3 | 61.9 |
| 63 | 25.3 | 20.6 | 31.0 |



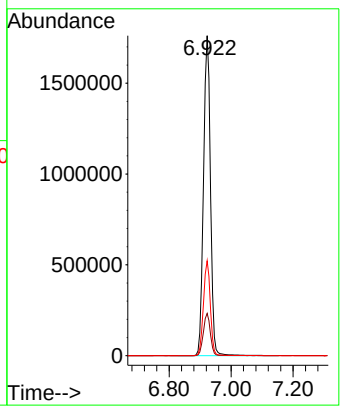


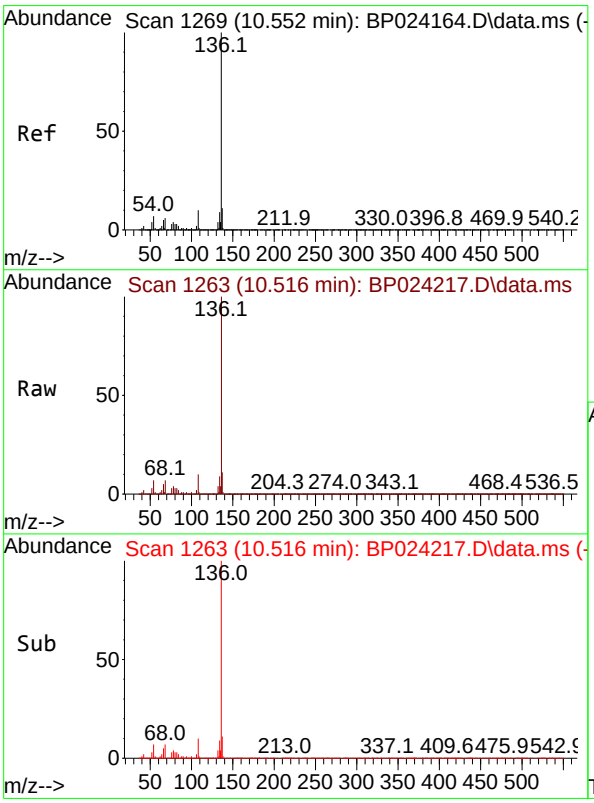

#7
Phenol-d6
Concen: 88.271 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.029 min
Lab File: BP024217.D
Acq: 08 Apr 2025 17:47

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-16-040325

Tgt Ion: 99 Resp: 2747437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.2 | 10.6 | 16.0 |
| 71 | 29.7 | 23.3 | 34.9 |

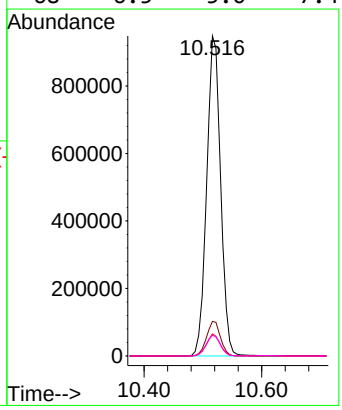


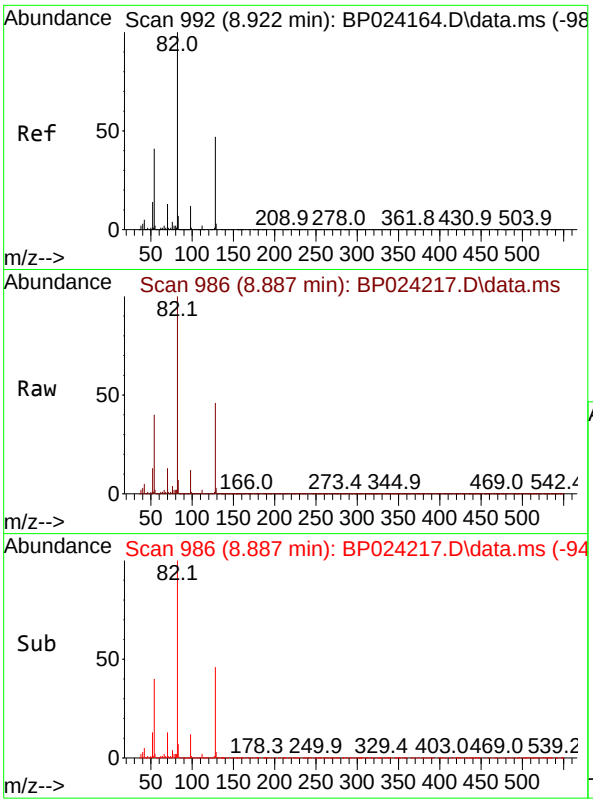




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1263
Delta R.T. -0.035 min
Lab File: BP024217.D
Acq: 08 Apr 2025 17:47

Tgt Ion:136 Resp: 1565639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 9.0 | 13.4 |
| 54 | 6.9 | 5.3 | 7.9 |
| 68 | 6.5 | 5.0 | 7.4 |



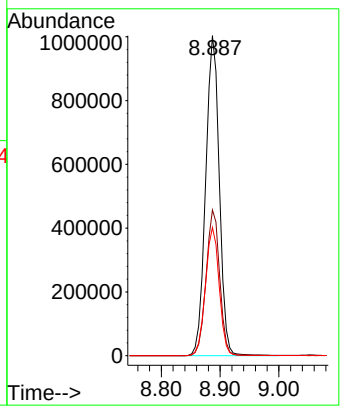


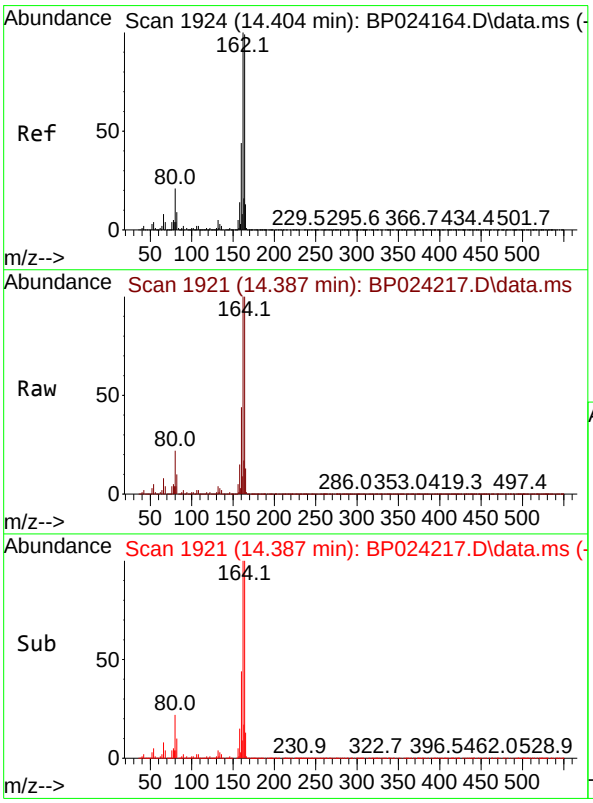

#23
Nitrobenzene-d5
Concen: 58.145 ng
RT: 8.887 min Scan# 9
Delta R.T. -0.035 min
Lab File: BP024217.D
Acq: 08 Apr 2025 17:47

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-16-040325

Tgt Ion: 82 Resp: 1613480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.5 | 37.4 | 56.0 |
| 54 | 40.1 | 32.5 | 48.7 |

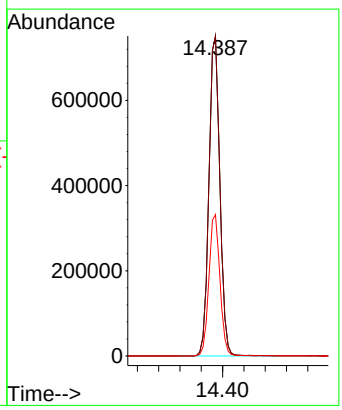


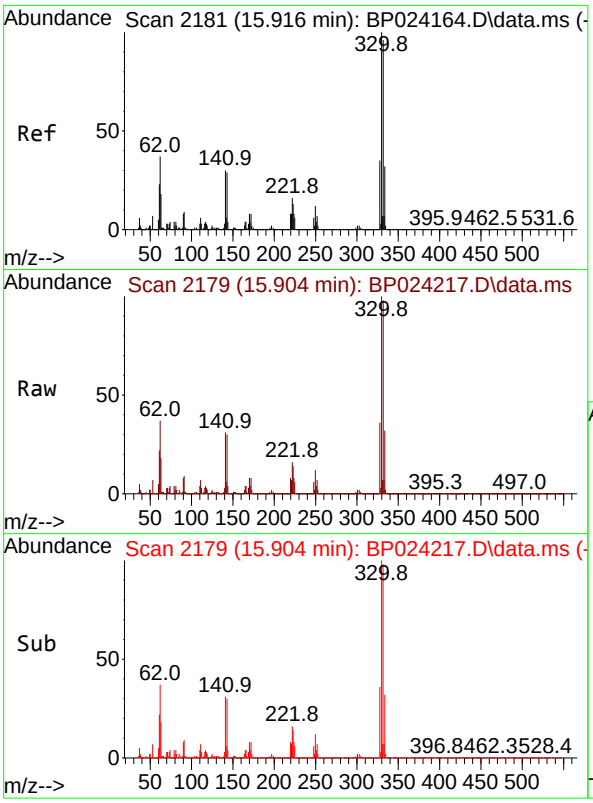




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1921
Delta R.T. -0.018 min
Lab File: BP024217.D
Acq: 08 Apr 2025 17:47

Tgt Ion:164 Resp: 1070035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.9 | 80.6 | 121.0 |
| 160 | 44.2 | 35.4 | 53.2 |



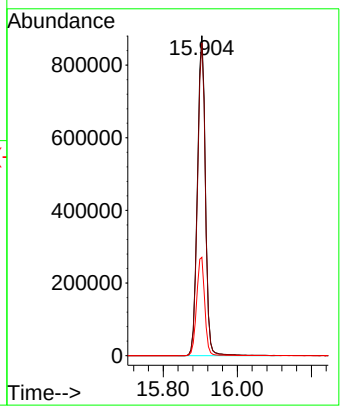


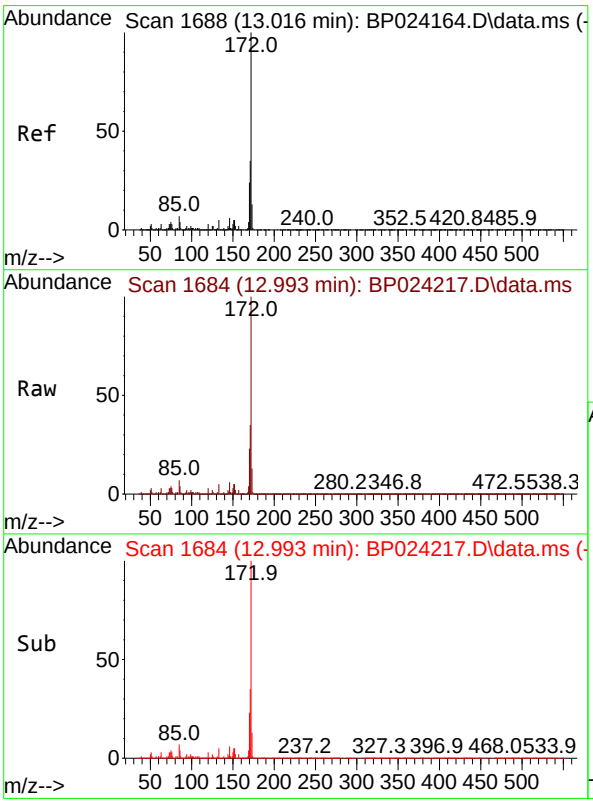

#42
2,4,6-Tribromophenol
Concen: 98.080 ng
RT: 15.904 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024217.D
Acq: 08 Apr 2025 17:47

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-16-040325

Tgt Ion:330 Resp: 1321971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.6 | 77.6 | 116.4 |
| 141 | 31.3 | 25.0 | 37.6 |

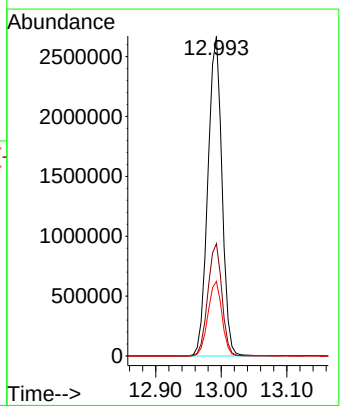


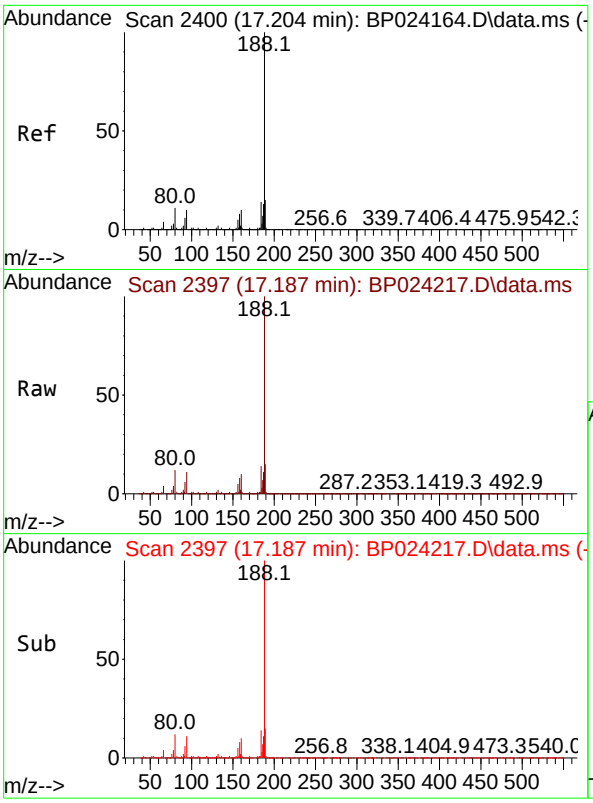




#45
2-Fluorobiphenyl
Concen: 55.003 ng
RT: 12.993 min Scan# 1684
Delta R.T. -0.024 min
Lab File: BP024217.D
Acq: 08 Apr 2025 17:47

Tgt Ion:172 Resp: 3991458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.1 | 28.3 | 42.5 |
| 170 | 23.3 | 19.0 | 28.4 |



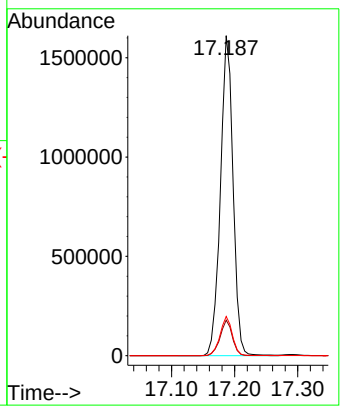


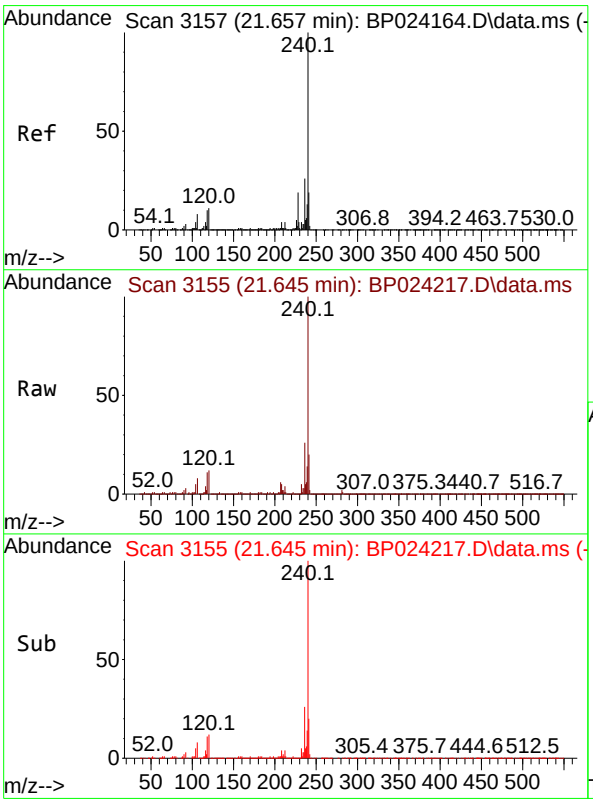

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.187 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024217.D
Acq: 08 Apr 2025 17:47

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-16-040325

Tgt Ion:188 Resp: 2242625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.1 | 8.1 | 12.1 |
| 80 | 12.2 | 8.9 | 13.3 |

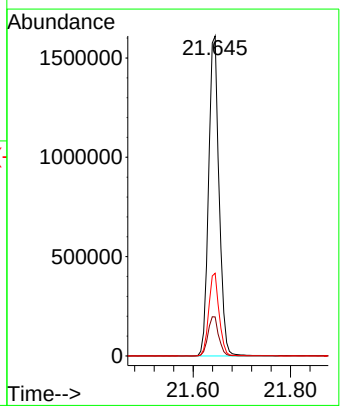


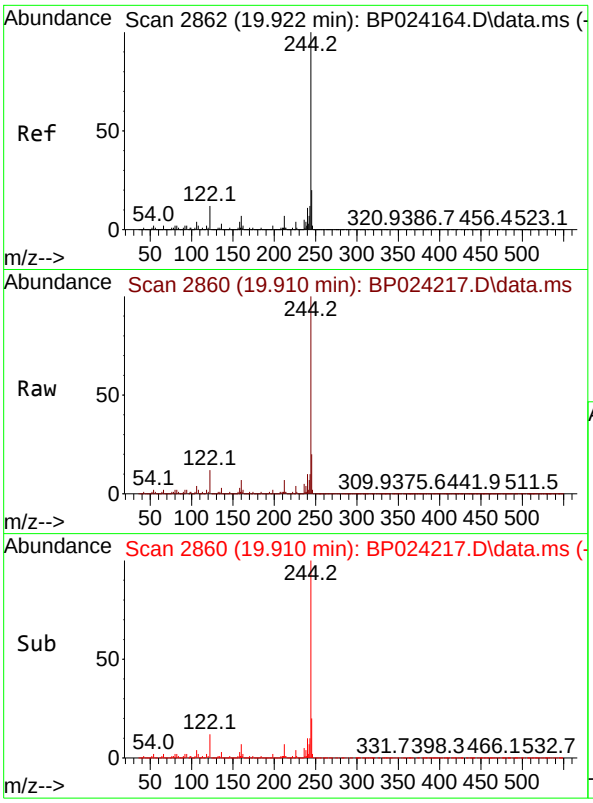




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.645 min Scan# 3155
Delta R.T. -0.012 min
Lab File: BP024217.D
Acq: 08 Apr 2025 17:47

Tgt Ion:240 Resp: 2386604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.2 | 9.2 | 13.8 |
| 236 | 25.9 | 20.4 | 30.6 |



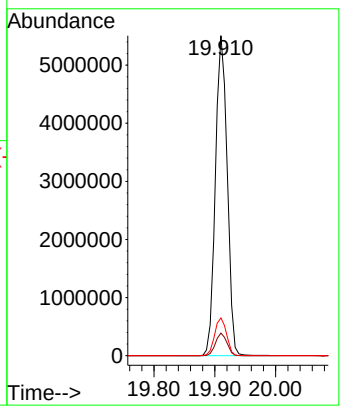


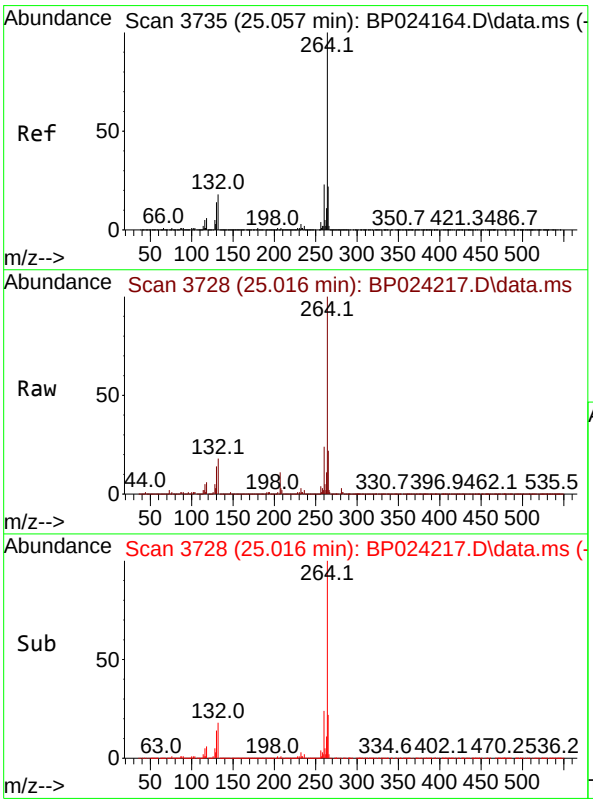

#79
Terphenyl-d14
Concen: 64.046 ng
RT: 19.910 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024217.D
Acq: 08 Apr 2025 17:47

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-16-040325

Tgt Ion:244 Resp: 7404845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.7 | 8.5 |
| 122 | 11.8 | 9.6 | 14.4 |

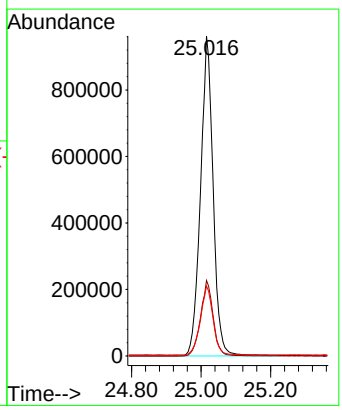



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.016 min Scan# 3728
Delta R.T. -0.041 min
Lab File: BP024217.D
Acq: 08 Apr 2025 17:47

Tgt Ion:264 Resp: 2424308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 18.5 | 27.7 |
| 265 | 21.9 | 17.7 | 26.5 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-VSL-17-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-05 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 92.4 |
| Sample Wt/Vol: | 30.01 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group3 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024218.D | 1 | 04/07/25 08:55 | 04/08/25 18:28 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 91-20-3 | Naphthalene | 0.14 | U | 0.025 | 0.14 | 0.18 | mg/Kg |
| 91-57-6 | 2-Methylnaphthalene | 0.14 | U | 0.028 | 0.14 | 0.18 | mg/Kg |
| 208-96-8 | Acenaphthylene | 0.14 | U | 0.031 | 0.14 | 0.18 | mg/Kg |
| 83-32-9 | Acenaphthene | 0.14 | U | 0.023 | 0.14 | 0.18 | mg/Kg |
| 86-73-7 | Fluorene | 0.14 | U | 0.027 | 0.14 | 0.18 | mg/Kg |
| 85-01-8 | Phenanthrene | 0.14 | U | 0.023 | 0.14 | 0.18 | mg/Kg |
| 120-12-7 | Anthracene | 0.14 | U | 0.036 | 0.14 | 0.18 | mg/Kg |
| 206-44-0 | Fluoranthene | 0.14 | U | 0.033 | 0.14 | 0.18 | mg/Kg |
| 129-00-0 | Pyrene | 0.14 | U | 0.039 | 0.14 | 0.18 | mg/Kg |
| 56-55-3 | Benzo(a)anthracene | 0.14 | U | 0.025 | 0.14 | 0.18 | mg/Kg |
| 218-01-9 | Chrysene | 0.14 | U | 0.022 | 0.14 | 0.18 | mg/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 0.14 | U | 0.021 | 0.14 | 0.18 | mg/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 0.14 | U | 0.024 | 0.14 | 0.18 | mg/Kg |
| 50-32-8 | Benzo(a)pyrene | 0.14 | U | 0.032 | 0.14 | 0.18 | mg/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.14 | U | 0.032 | 0.14 | 0.18 | mg/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.14 | U | 0.030 | 0.14 | 0.18 | mg/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 0.14 | U | 0.028 | 0.14 | 0.18 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 98.0 | | 35 - 115 | | 65% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 101 | | 34 - 127 | | 67% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 61.5 | | 37 - 122 | | 62% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 56.6 | | 44 - 115 | | 57% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 116 | | 39 - 132 | | 77% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 60.0 | | 54 - 127 | | 60% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 223000 | 7.74 | | | | |
| 1146-65-2 | Naphthalene-d8 | 995000 | 10.522 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 729000 | 14.381 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 1790000 | 17.18 | | | | |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-VSL-17-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-05 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 92.4 |
| Sample Wt/Vol: | 30.01 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group3 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024218.D | 1 | 04/07/25 08:55 | 04/08/25 18:28 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 1719-03-5 | Chrysene-d12 | 2300000 | 21.639 | | | | |
| 1520-96-3 | Perylene-d12 | 2560000 | 25.021 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 15972608 | Alachlor | 0 | U | | | N.D | mg/Kg |

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\BP040825\
Data File : BP024218.D
Acq On : 08 Apr 2025 18:28
Operator : RC/JU
Sample : Q1730-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-17-040325

Quant Time: Apr 09 01:01:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

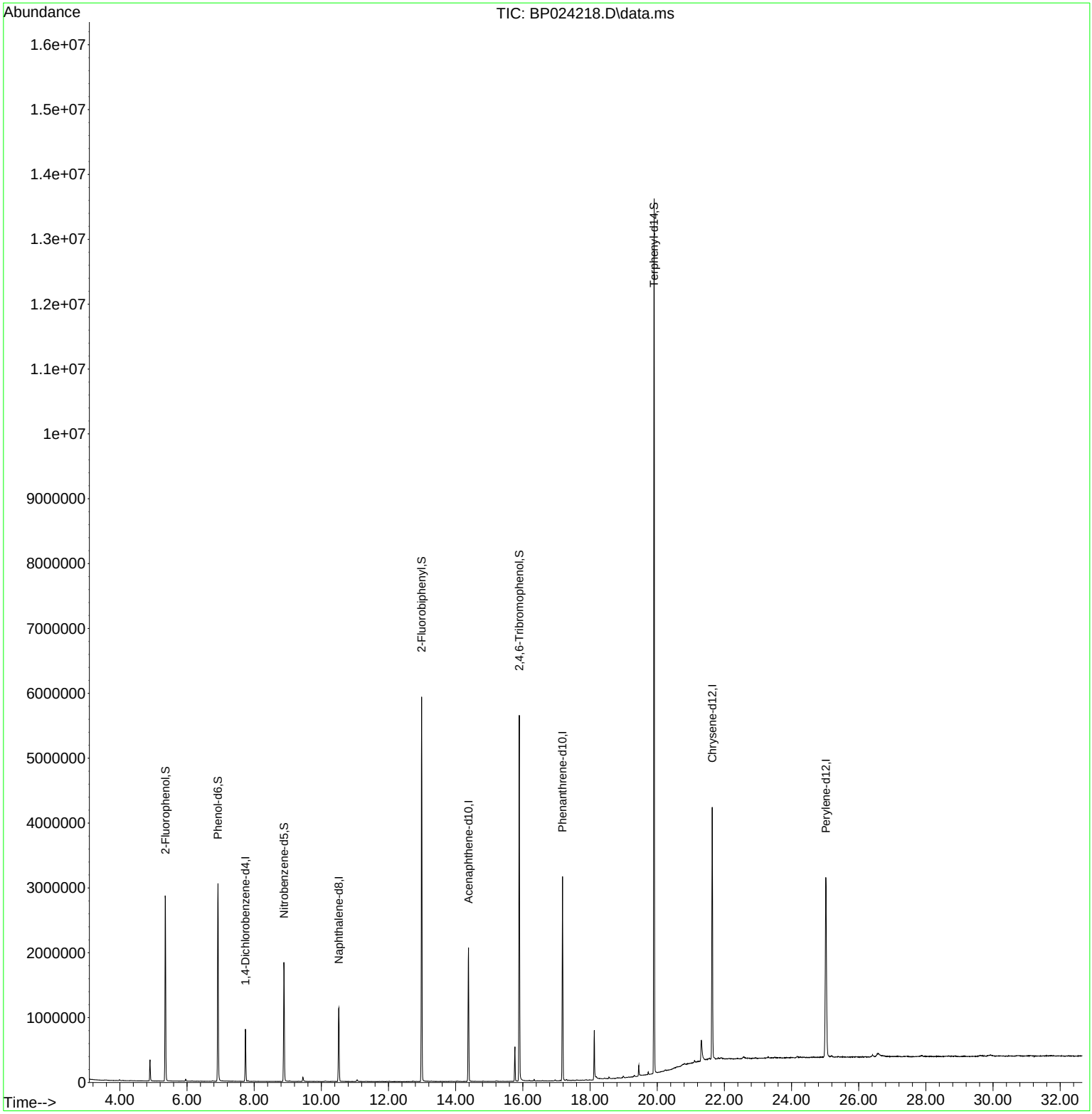
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.740 | 152 | 223104 | 20.000 | ng | -0.03 |
| 21) Naphthalene-d8 | 10.522 | 136 | 995133 | 20.000 | ng | -0.03 |
| 39) Acenaphthene-d10 | 14.381 | 164 | 728757 | 20.000 | ng | -0.02 |
| 64) Phenanthrene-d10 | 17.180 | 188 | 1794374 | 20.000 | ng | -0.02 |
| 76) Chrysene-d12 | 21.639 | 240 | 2303527 | 20.000 | ng | -0.02 |
| 86) Perylene-d12 | 25.021 | 264 | 2559475 | 20.000 | ng | -0.04 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.358 | 112 | 1369904 | 98.015 | ng | -0.02 |
| 7) Phenol-d6 | 6.922 | 99 | 1881715 | 100.679 | ng | -0.03 |
| 23) Nitrobenzene-d5 | 8.887 | 82 | 1085405 | 61.539 | ng | -0.04 |
| 42) 2,4,6-Tribromophenol | 15.892 | 330 | 1062409 | 115.736 | ng | -0.02 |
| 45) 2-Fluorobiphenyl | 12.987 | 172 | 2798691 | 56.627 | ng | -0.03 |
| 79) Terphenyl-d14 | 19.910 | 244 | 6698378 | 60.025 | ng | -0.01 |
| Target Compounds | | | | | | Qvalue |

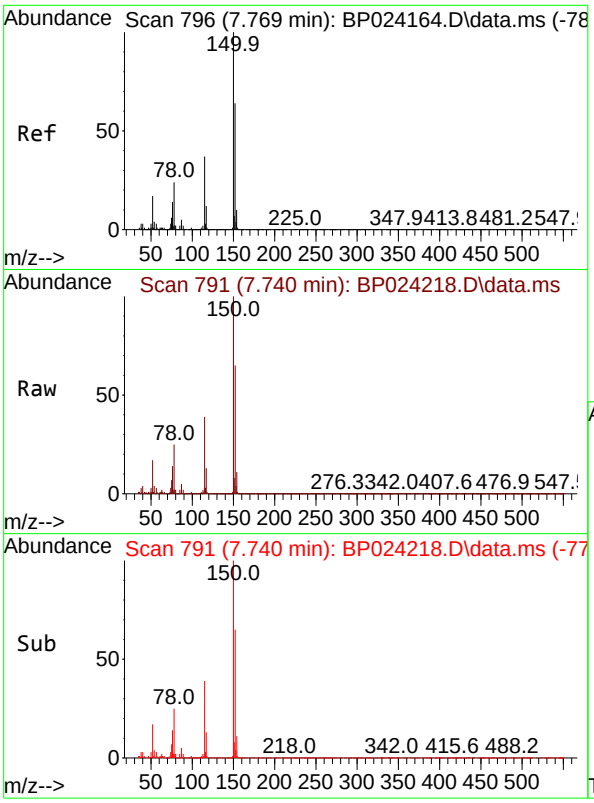
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024218.D
Acq On : 08 Apr 2025 18:28
Operator : RC/JU
Sample : Q1730-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-17-040325

Quant Time: Apr 09 01:01:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration



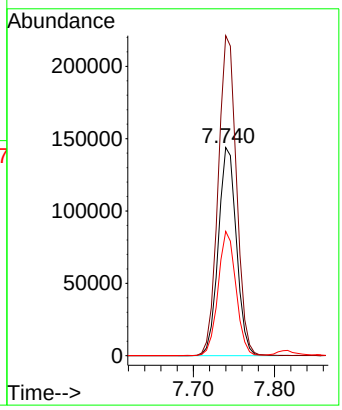


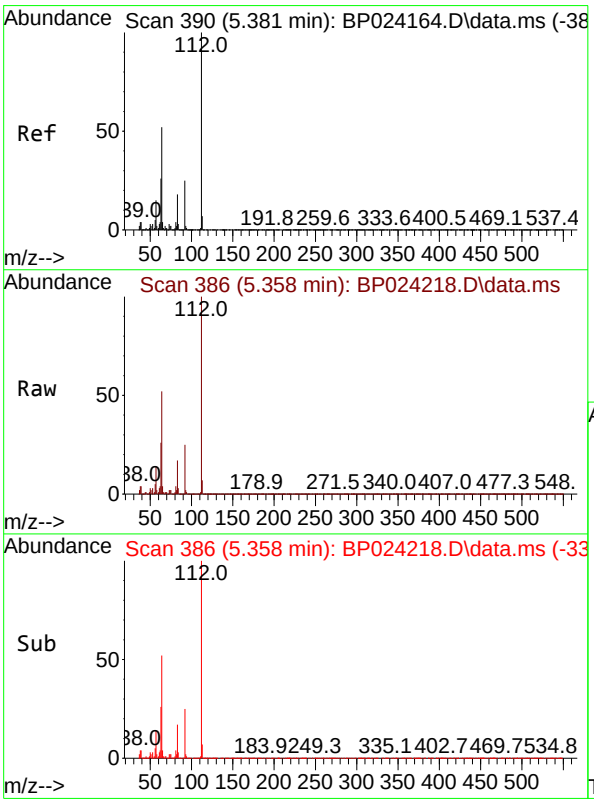

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.029 min
Lab File: BP024218.D
Acq: 08 Apr 2025 18:28

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-17-040325

Tgt Ion:152 Resp: 223104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.7 | 125.5 | 188.3 |
| 115 | 59.7 | 46.3 | 69.5 |

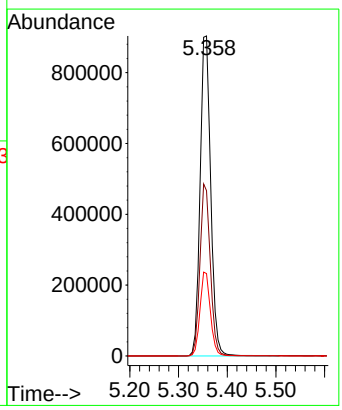


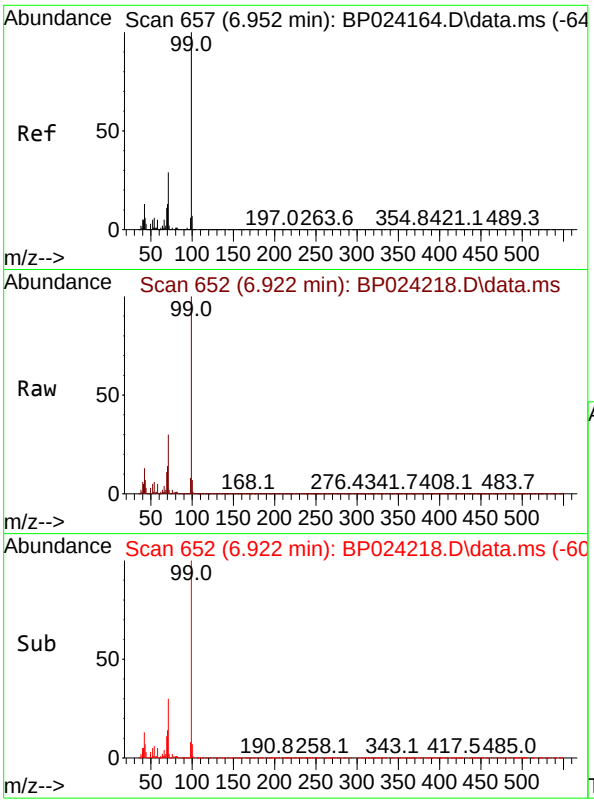




#5
2-Fluorophenol
Concen: 98.015 ng
RT: 5.358 min Scan# 386
Delta R.T. -0.024 min
Lab File: BP024218.D
Acq: 08 Apr 2025 18:28

Tgt Ion:112 Resp: 1369904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 51.7 | 41.3 | 61.9 |
| 63 | 25.7 | 20.6 | 31.0 |



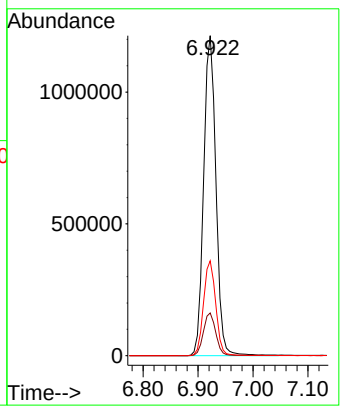


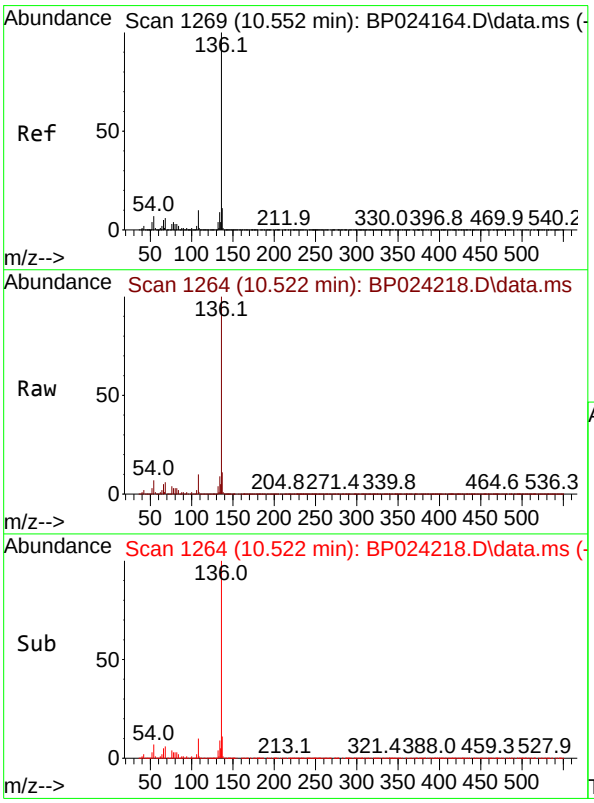

#7
Phenol-d6
Concen: 100.679 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.030 min
Lab File: BP024218.D
Acq: 08 Apr 2025 18:28

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-17-040325

Tgt Ion: 99 Resp: 1881715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.3 | 10.6 | 16.0 |
| 71 | 29.6 | 23.3 | 34.9 |

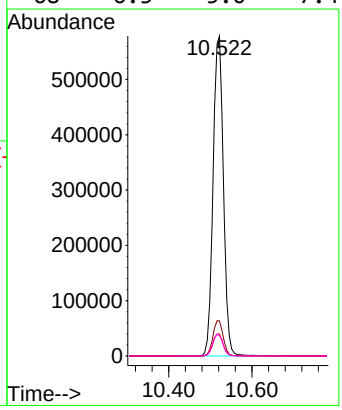


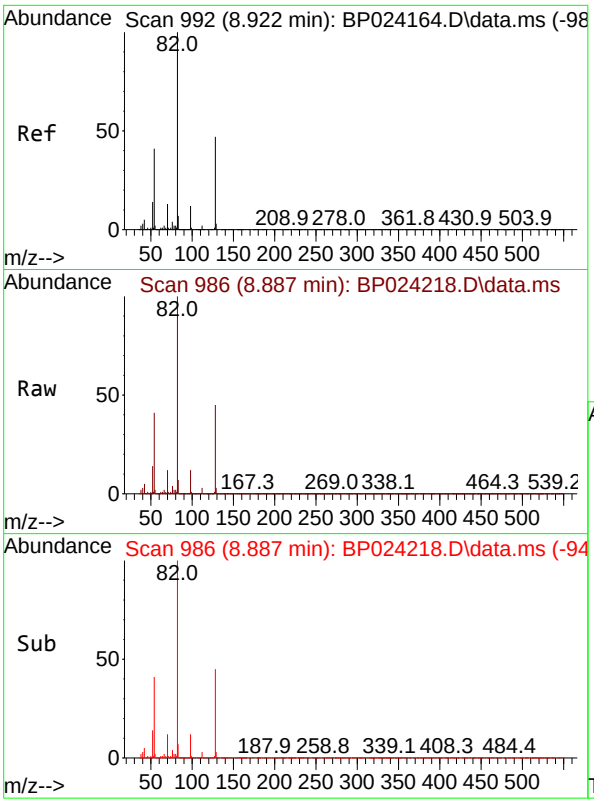




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.522 min Scan# 1264
Delta R.T. -0.030 min
Lab File: BP024218.D
Acq: 08 Apr 2025 18:28

Tgt Ion:136 Resp: 995133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 9.0 | 13.4 |
| 54 | 6.9 | 5.3 | 7.9 |
| 68 | 6.3 | 5.0 | 7.4 |



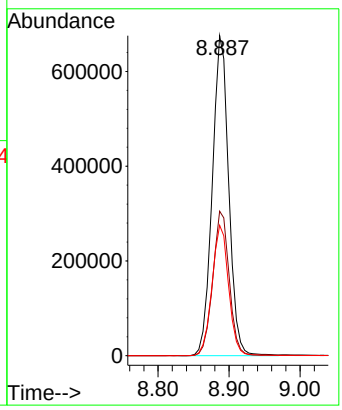


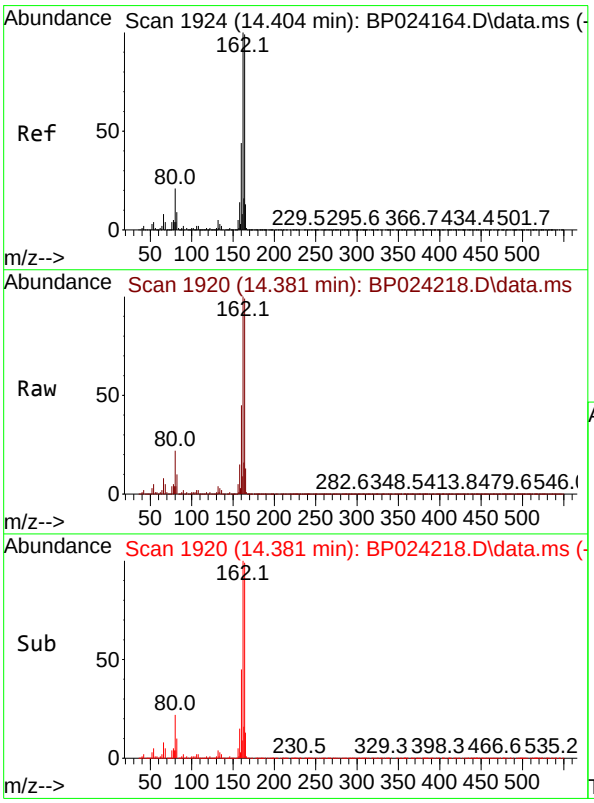

#23
Nitrobenzene-d5
Concen: 61.539 ng
RT: 8.887 min Scan# 9
Delta R.T. -0.036 min
Lab File: BP024218.D
Acq: 08 Apr 2025 18:28

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-17-040325

Tgt Ion: 82 Resp: 1085405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.2 | 37.4 | 56.0 |
| 54 | 40.8 | 32.5 | 48.7 |

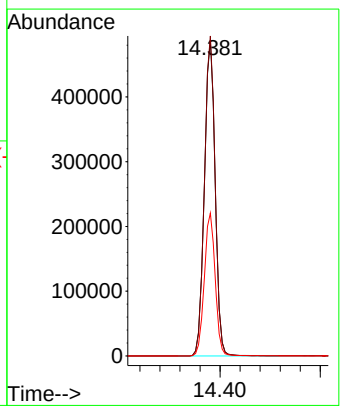


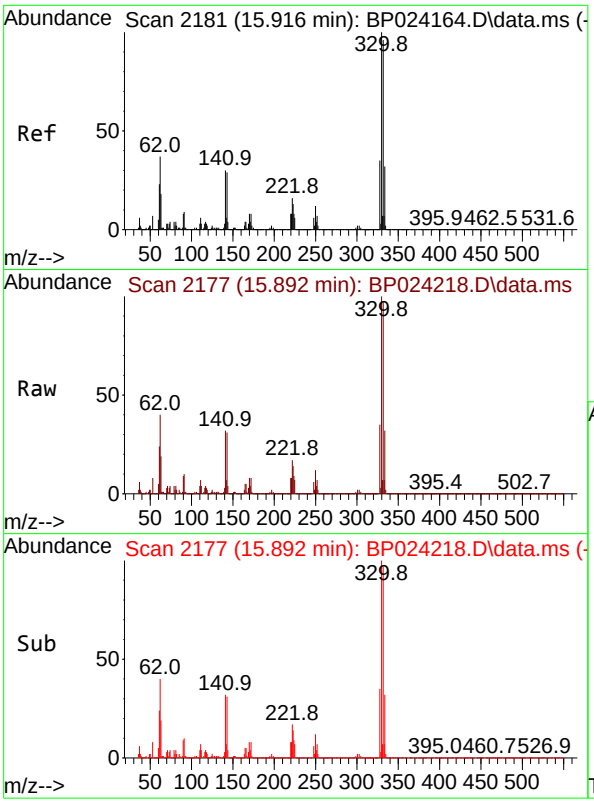




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.381 min Scan# 1920
Delta R.T. -0.024 min
Lab File: BP024218.D
Acq: 08 Apr 2025 18:28

Tgt Ion:164 Resp: 728757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.2 | 80.6 | 121.0 |
| 160 | 45.2 | 35.4 | 53.2 |



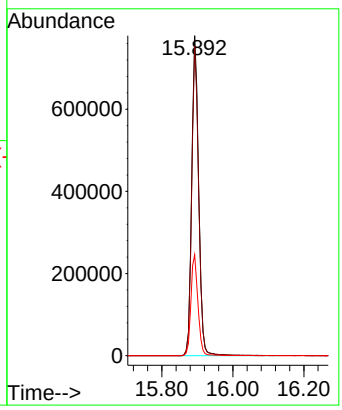


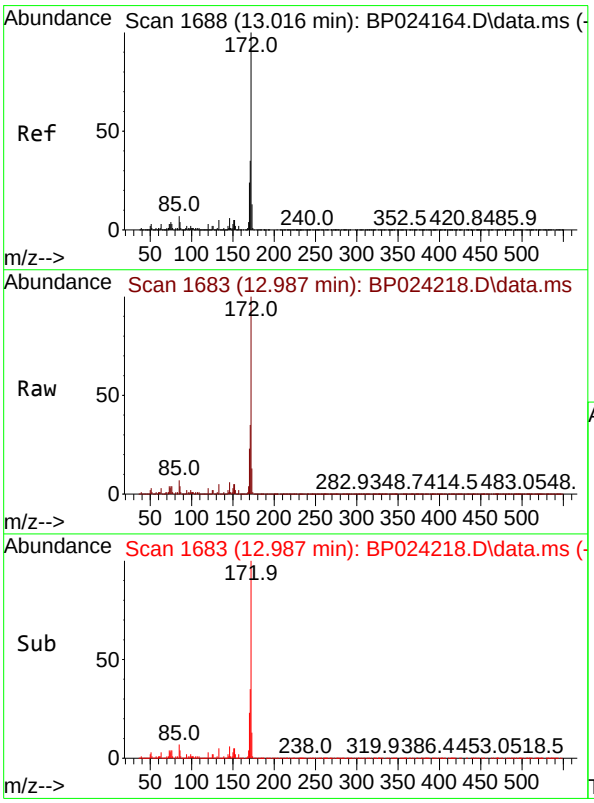

#42
2,4,6-Tribromophenol
Concen: 115.736 ng
RT: 15.892 min Scan# 21
Delta R.T. -0.024 min
Lab File: BP024218.D
Acq: 08 Apr 2025 18:28

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-17-040325

Tgt Ion:330 Resp: 1062409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.7 | 77.6 | 116.4 |
| 141 | 31.7 | 25.0 | 37.6 |

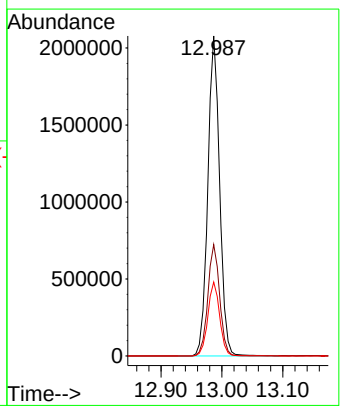


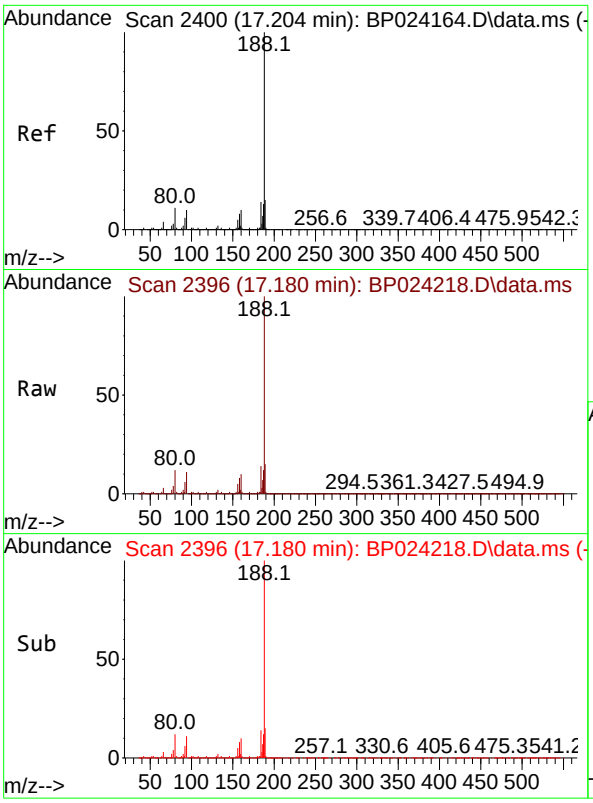




#45
2-Fluorobiphenyl
Concen: 56.627 ng
RT: 12.987 min Scan# 1683
Delta R.T. -0.030 min
Lab File: BP024218.D
Acq: 08 Apr 2025 18:28

Tgt Ion:172 Resp: 2798691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.8 | 28.3 | 42.5 |
| 170 | 23.1 | 19.0 | 28.4 |



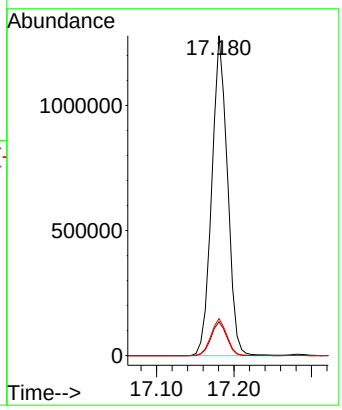


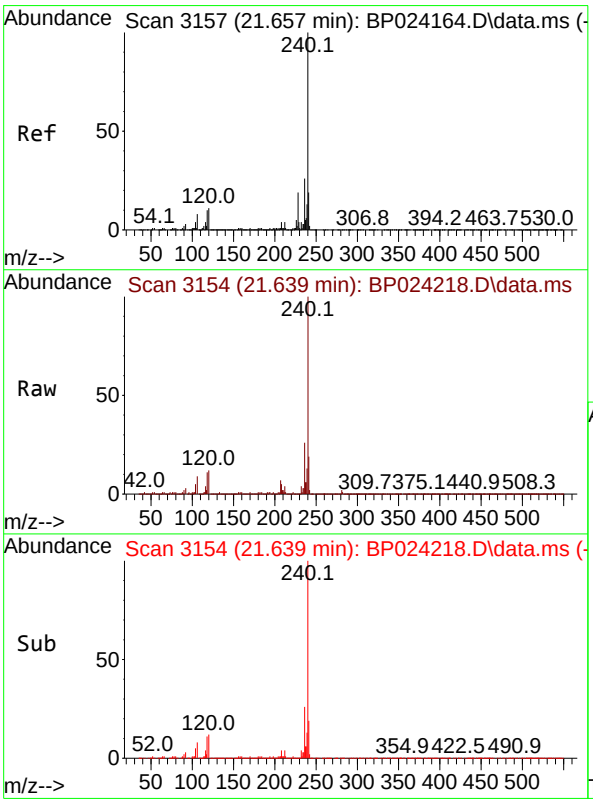

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.180 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP024218.D
Acq: 08 Apr 2025 18:28

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-17-040325

Tgt Ion:188 Resp: 1794374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.6 | 8.1 | 12.1 |
| 80 | 11.6 | 8.9 | 13.3 |

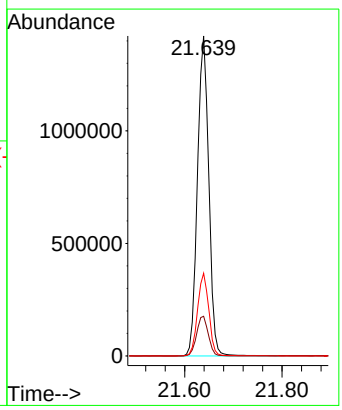


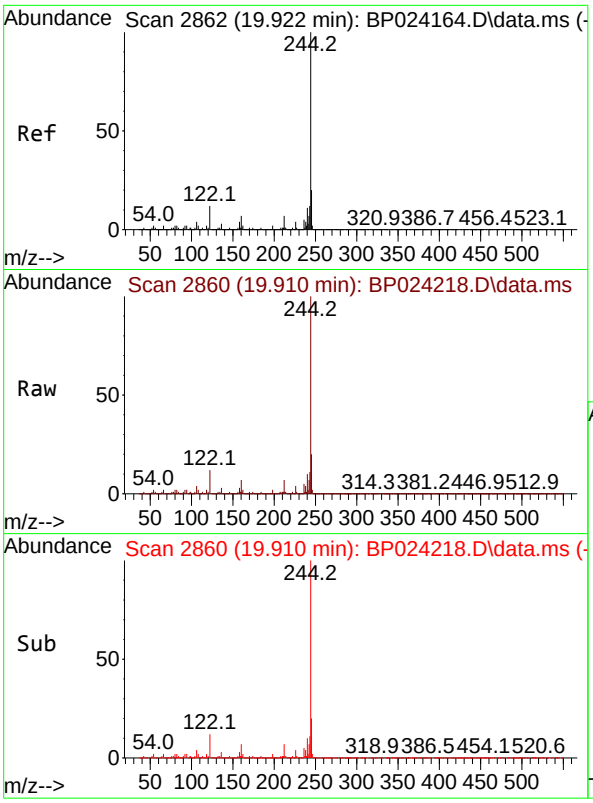




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.639 min Scan# 3154
Delta R.T. -0.018 min
Lab File: BP024218.D
Acq: 08 Apr 2025 18:28

Tgt Ion:240 Resp: 2303527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.4 | 9.2 | 13.8 |
| 236 | 25.8 | 20.4 | 30.6 |



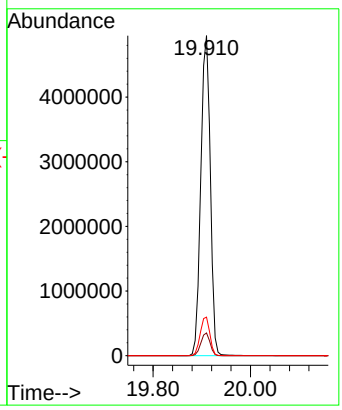


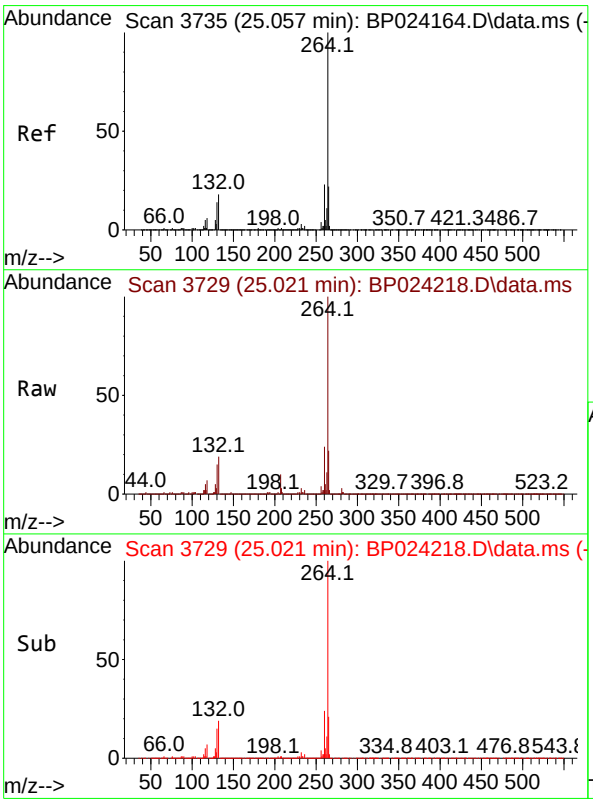

#79
Terphenyl-d14
Concen: 60.025 ng
RT: 19.910 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024218.D
Acq: 08 Apr 2025 18:28

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-17-040325

Tgt Ion:244 Resp: 6698378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.7 | 8.5 |
| 122 | 12.0 | 9.6 | 14.4 |

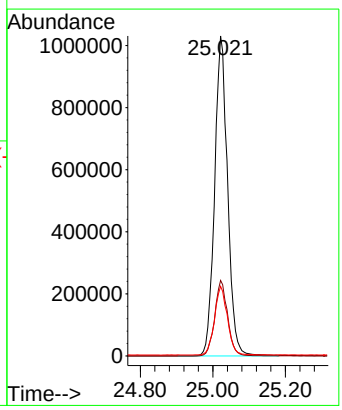



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.021 min Scan# 3729
Delta R.T. -0.036 min
Lab File: BP024218.D
Acq: 08 Apr 2025 18:28

Tgt Ion:264 Resp: 2559475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 18.5 | 27.7 |
| 265 | 21.8 | 17.7 | 26.5 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-PCS-TC-21-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-07 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 89 |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group3 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024219.D | 1 | 04/07/25 08:55 | 04/08/25 19:09 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 91-20-3 | Naphthalene | 0.15 | U | 0.026 | 0.15 | 0.19 | mg/Kg |
| 91-57-6 | 2-Methylnaphthalene | 0.15 | U | 0.029 | 0.15 | 0.19 | mg/Kg |
| 208-96-8 | Acenaphthylene | 0.15 | U | 0.032 | 0.15 | 0.19 | mg/Kg |
| 83-32-9 | Acenaphthene | 0.15 | U | 0.024 | 0.15 | 0.19 | mg/Kg |
| 86-73-7 | Fluorene | 0.15 | U | 0.028 | 0.15 | 0.19 | mg/Kg |
| 85-01-8 | Phenanthrene | 0.15 | U | 0.023 | 0.15 | 0.19 | mg/Kg |
| 120-12-7 | Anthracene | 0.15 | U | 0.037 | 0.15 | 0.19 | mg/Kg |
| 206-44-0 | Fluoranthene | 0.15 | U | 0.034 | 0.15 | 0.19 | mg/Kg |
| 129-00-0 | Pyrene | 0.15 | U | 0.040 | 0.15 | 0.19 | mg/Kg |
| 56-55-3 | Benzo(a)anthracene | 0.15 | U | 0.026 | 0.15 | 0.19 | mg/Kg |
| 218-01-9 | Chrysene | 0.15 | U | 0.022 | 0.15 | 0.19 | mg/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 0.15 | U | 0.021 | 0.15 | 0.19 | mg/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 0.15 | U | 0.025 | 0.15 | 0.19 | mg/Kg |
| 50-32-8 | Benzo(a)pyrene | 0.15 | U | 0.033 | 0.15 | 0.19 | mg/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.15 | U | 0.033 | 0.15 | 0.19 | mg/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.15 | U | 0.031 | 0.15 | 0.19 | mg/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 0.15 | U | 0.029 | 0.15 | 0.19 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 88.1 | | 35 - 115 | | 59% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 83.0 | | 34 - 127 | | 55% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 59.9 | | 37 - 122 | | 60% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 57.7 | | 44 - 115 | | 58% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 87.9 | | 39 - 132 | | 59% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 59.6 | | 54 - 127 | | 60% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 345000 | 7.74 | | | | |
| 1146-65-2 | Naphthalene-d8 | 1330000 | 10.516 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 772000 | 14.375 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 1470000 | 17.186 | | | | |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-PCS-TC-21-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-07 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 89 |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group3 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024219.D | 1 | 04/07/25 08:55 | 04/08/25 19:09 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 1719-03-5 | Chrysene-d12 | 1620000 | 21.633 | | | | |
| 1520-96-3 | Perylene-d12 | 1760000 | 25.021 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 15972608 | Alachlor | 0 | U | | | N.D | mg/Kg |

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\BP040825\
Data File : BP024219.D
Acq On : 08 Apr 2025 19:09
Operator : RC/JU
Sample : Q1730-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-21-040325

Quant Time: Apr 09 01:02:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

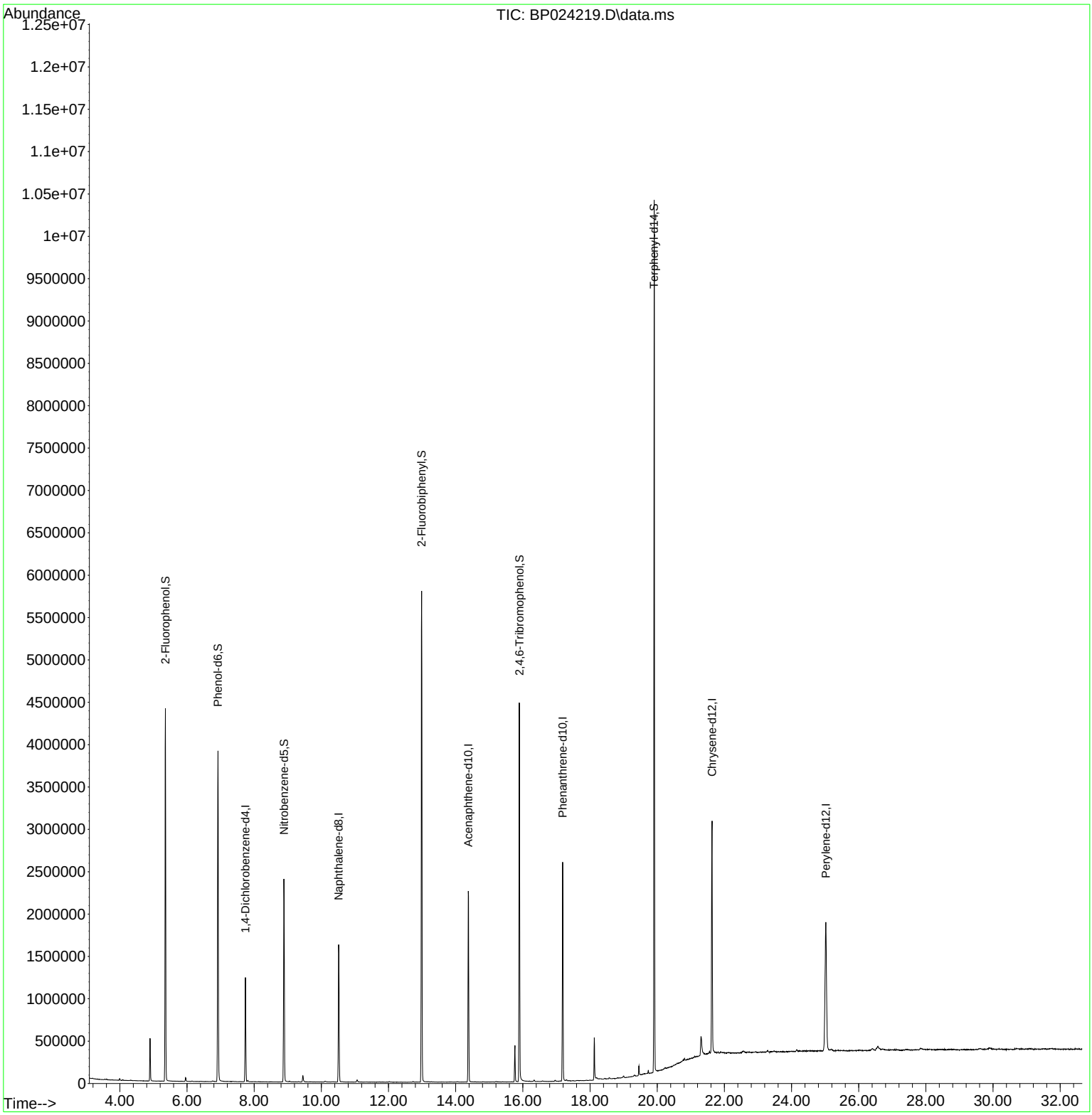
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.740 | 152 | 344884 | 20.000 | ng | -0.03 |
| 21) Naphthalene-d8 | 10.516 | 136 | 1325237 | 20.000 | ng | -0.04 |
| 39) Acenaphthene-d10 | 14.375 | 164 | 771593 | 20.000 | ng | -0.03 |
| 64) Phenanthrene-d10 | 17.186 | 188 | 1471523 | 20.000 | ng | -0.02 |
| 76) Chrysene-d12 | 21.633 | 240 | 1620391 | 20.000 | ng | -0.02 |
| 86) Perylene-d12 | 25.021 | 264 | 1759028 | 20.000 | ng | -0.04 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.358 | 112 | 1904353 | 88.142 | ng | -0.02 |
| 7) Phenol-d6 | 6.922 | 99 | 2398018 | 82.999 | ng | -0.03 |
| 23) Nitrobenzene-d5 | 8.887 | 82 | 1406535 | 59.882 | ng | -0.04 |
| 42) 2,4,6-Tribromophenol | 15.898 | 330 | 854009 | 87.868 | ng | -0.02 |
| 45) 2-Fluorobiphenyl | 12.987 | 172 | 3021460 | 57.741 | ng | -0.03 |
| 79) Terphenyl-d14 | 19.910 | 244 | 4676065 | 59.569 | ng | -0.01 |
| Target Compounds | | | | | | Qvalue |

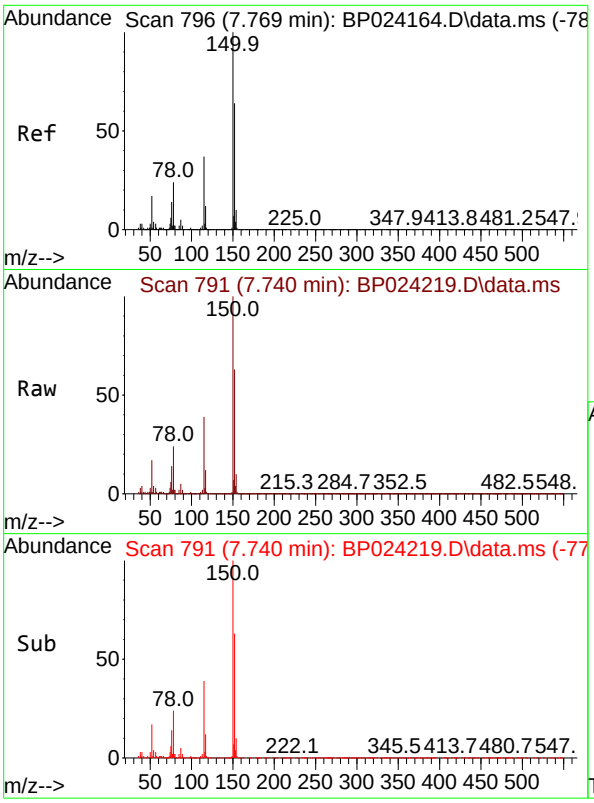
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024219.D
Acq On : 08 Apr 2025 19:09
Operator : RC/JU
Sample : Q1730-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-21-040325

Quant Time: Apr 09 01:02:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration



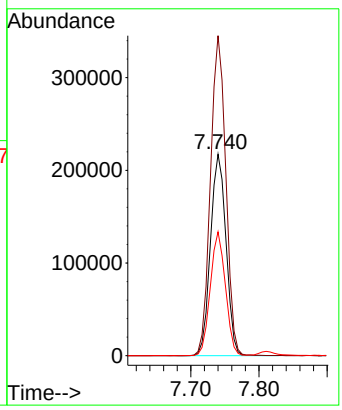


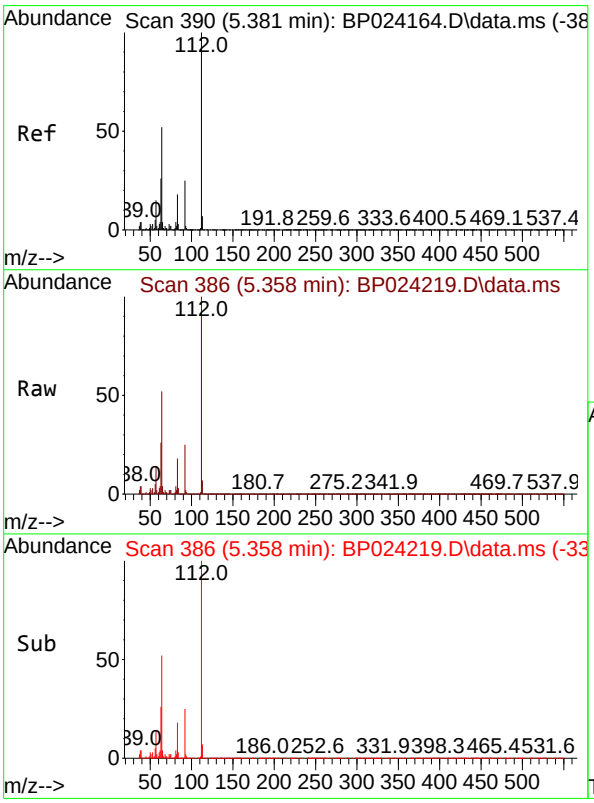

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.029 min
Lab File: BP024219.D
Acq: 08 Apr 2025 19:09

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-21-040325

Tgt Ion:152 Resp: 344884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.9 | 125.5 | 188.3 |
| 115 | 61.5 | 46.3 | 69.5 |

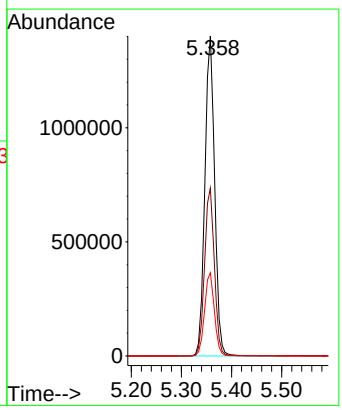


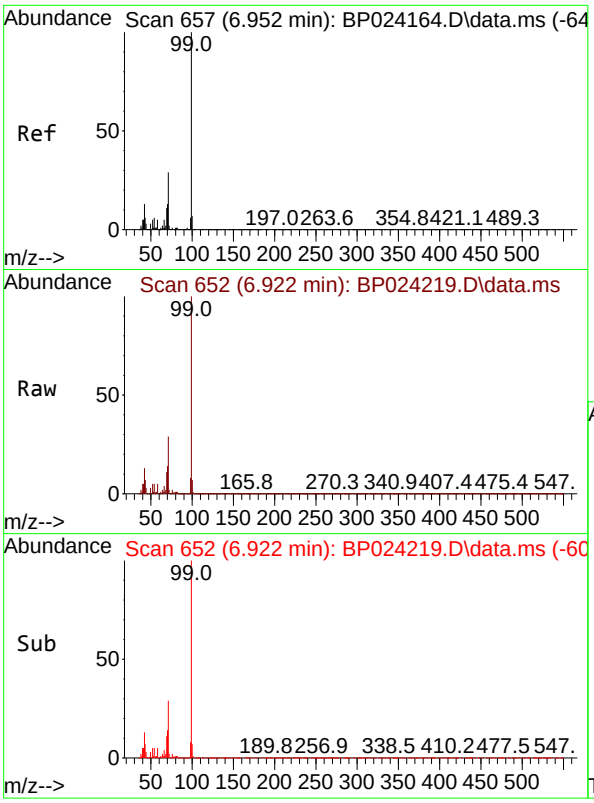




#5
2-Fluorophenol
Concen: 88.142 ng
RT: 5.358 min Scan# 386
Delta R.T. -0.024 min
Lab File: BP024219.D
Acq: 08 Apr 2025 19:09

Tgt Ion:112 Resp: 1904353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.4 | 41.3 | 61.9 |
| 63 | 26.0 | 20.6 | 31.0 |



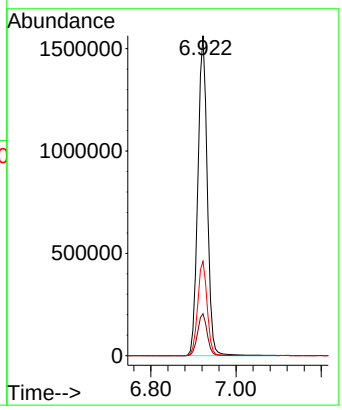


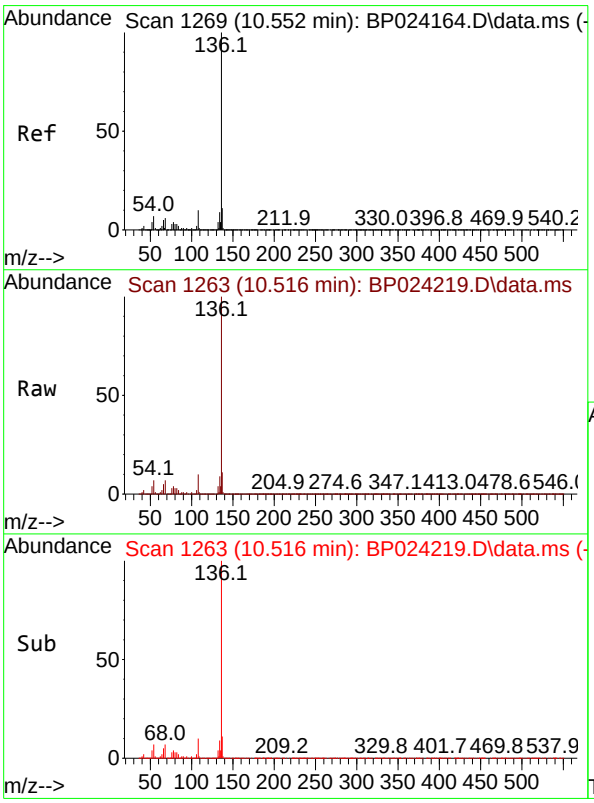

#7
Phenol-d6
Concen: 82.999 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.030 min
Lab File: BP024219.D
Acq: 08 Apr 2025 19:09

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-21-040325

Tgt Ion: 99 Resp: 2398018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.1 | 10.6 | 16.0 |
| 71 | 29.5 | 23.3 | 34.9 |

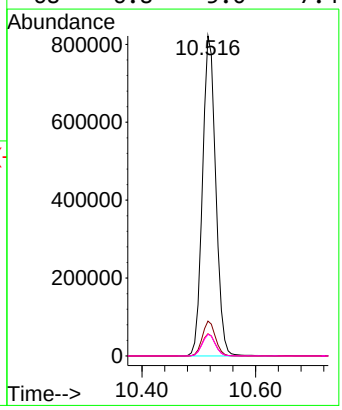


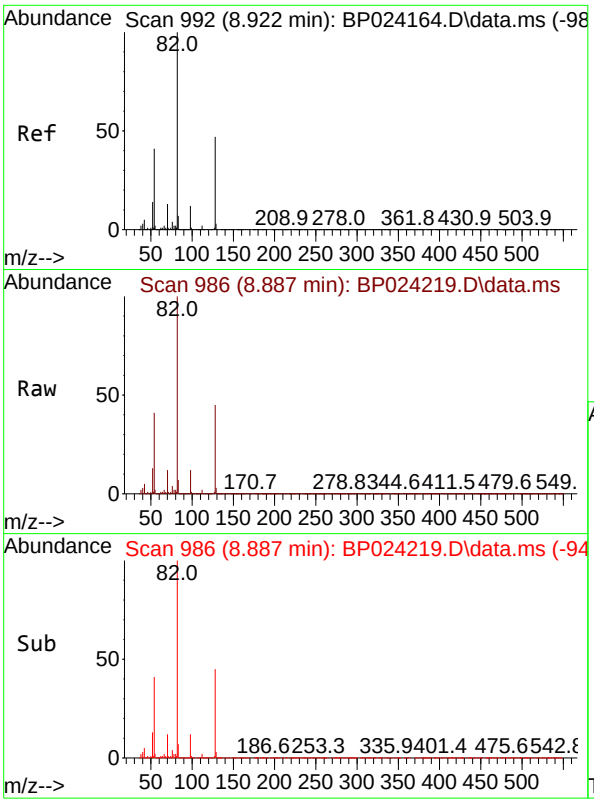




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1263
Delta R.T. -0.035 min
Lab File: BP024219.D
Acq: 08 Apr 2025 19:09

Tgt Ion:136 Resp: 1325237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.0 | 13.4 |
| 54 | 6.9 | 5.3 | 7.9 |
| 68 | 6.8 | 5.0 | 7.4 |



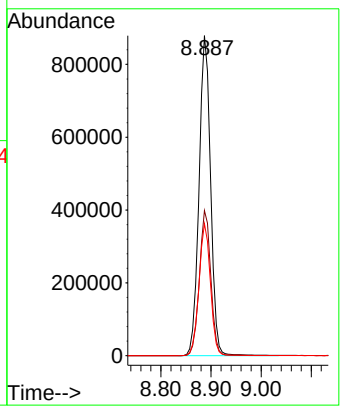


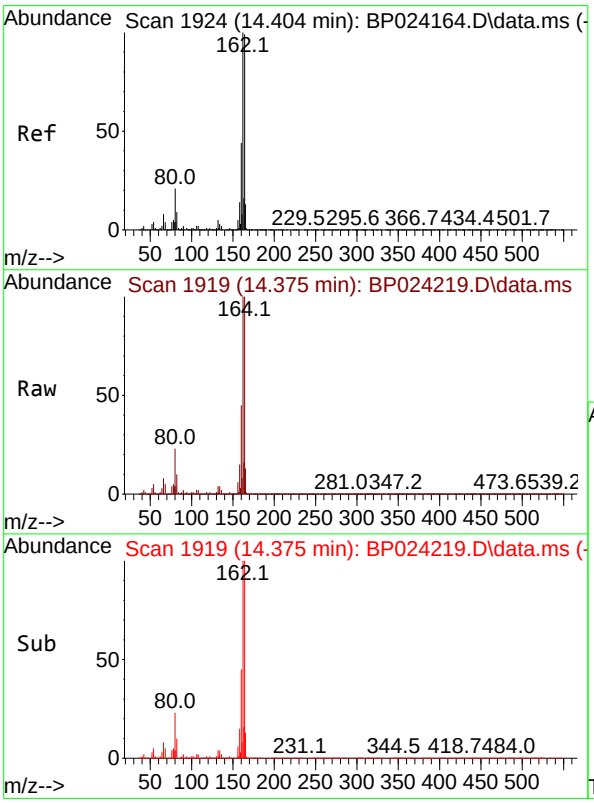

#23
Nitrobenzene-d5
Concen: 59.882 ng
RT: 8.887 min Scan# 9
Delta R.T. -0.035 min
Lab File: BP024219.D
Acq: 08 Apr 2025 19:09

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-21-040325

Tgt Ion: 82 Resp: 1406535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.3 | 37.4 | 56.0 |
| 54 | 41.3 | 32.5 | 48.7 |

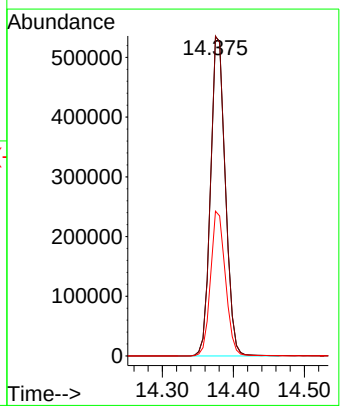


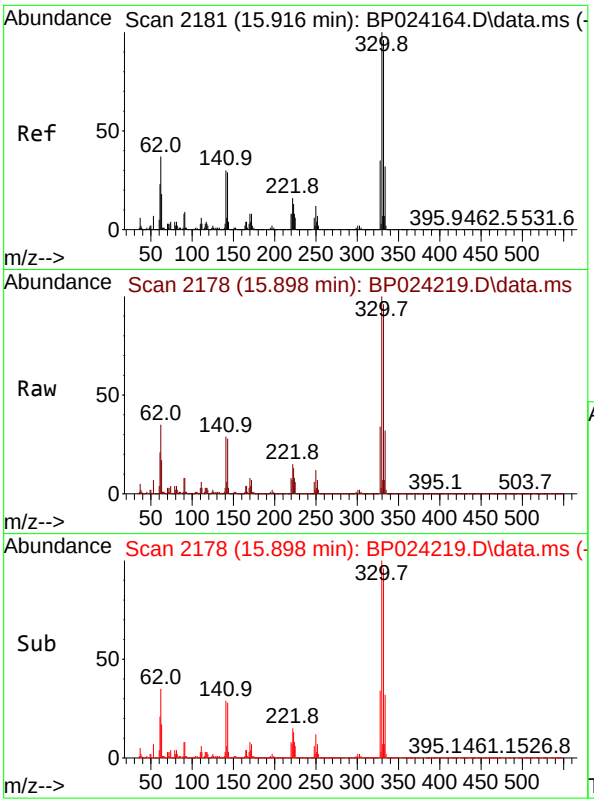




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.375 min Scan# 1919
Delta R.T. -0.030 min
Lab File: BP024219.D
Acq: 08 Apr 2025 19:09

Tgt Ion:164 Resp: 771593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.3 | 80.6 | 121.0 |
| 160 | 45.4 | 35.4 | 53.2 |



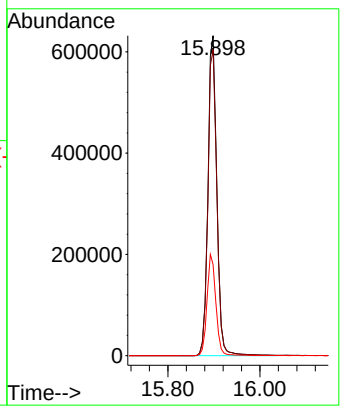


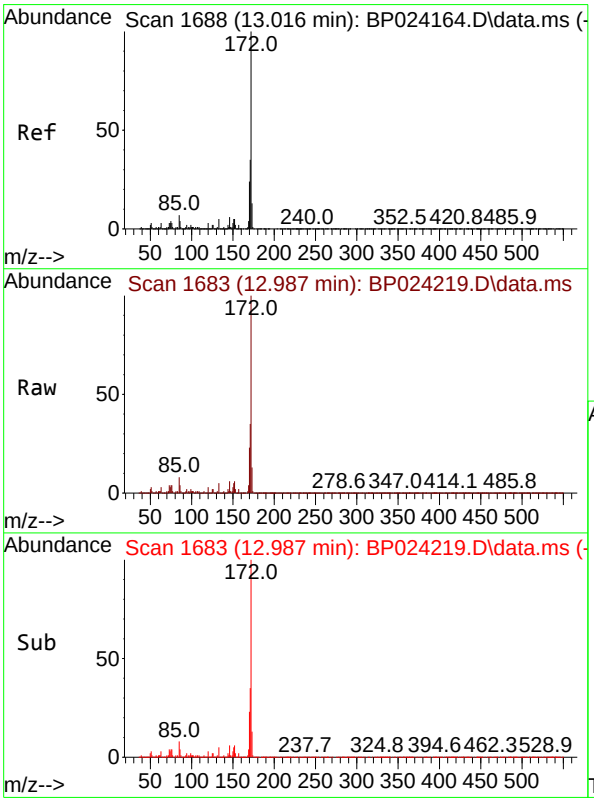

#42
2,4,6-Tribromophenol
Concen: 87.868 ng
RT: 15.898 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024219.D
Acq: 08 Apr 2025 19:09

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-21-040325

Tgt Ion:330 Resp: 854009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.3 | 77.6 | 116.4 |
| 141 | 31.6 | 25.0 | 37.6 |

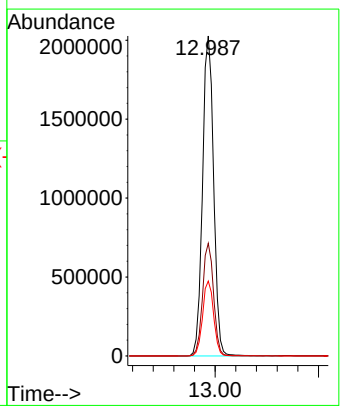


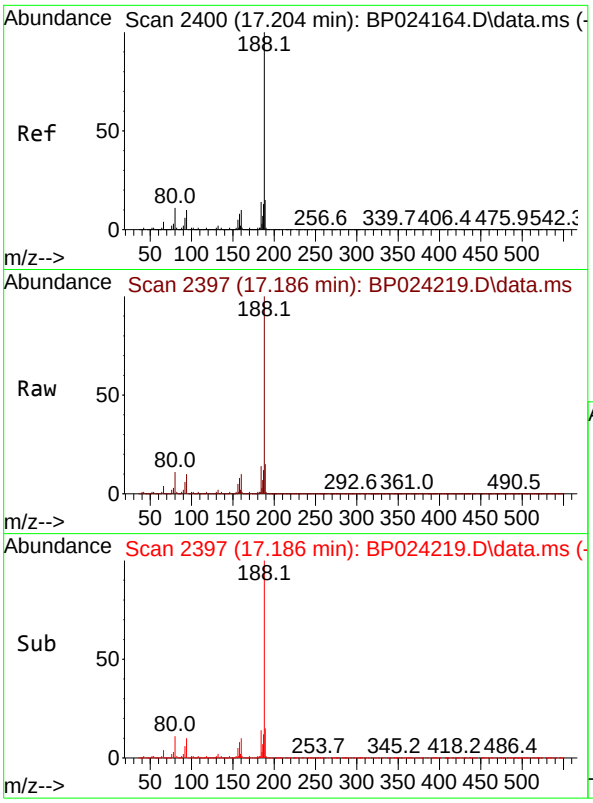




#45
2-Fluorobiphenyl
Concen: 57.741 ng
RT: 12.987 min Scan# 1683
Delta R.T. -0.030 min
Lab File: BP024219.D
Acq: 08 Apr 2025 19:09

Tgt Ion:172 Resp: 3021460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 28.3 | 42.5 |
| 170 | 23.4 | 19.0 | 28.4 |



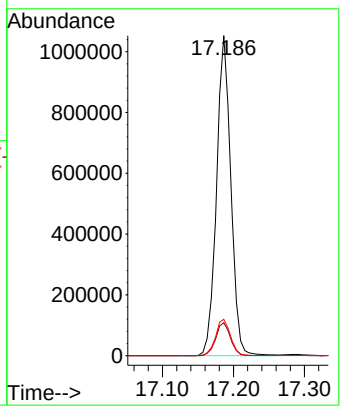


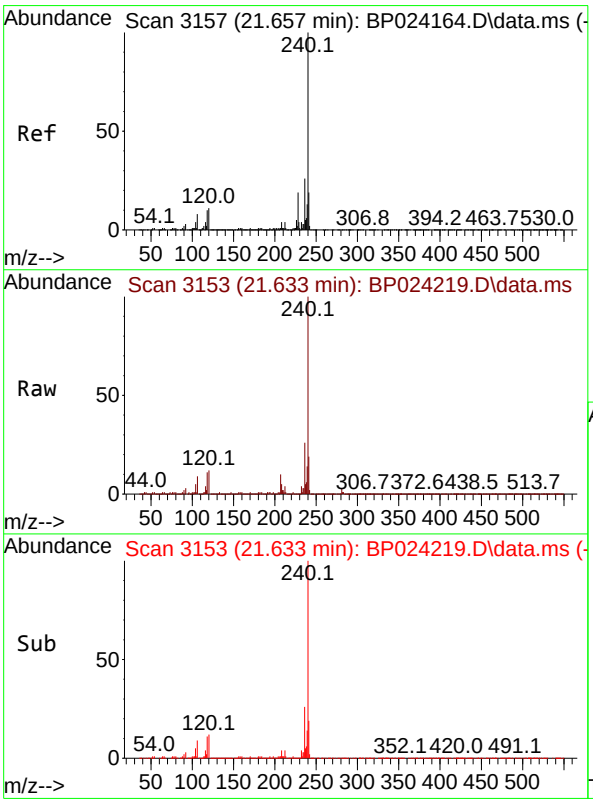

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024219.D
Acq: 08 Apr 2025 19:09

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-21-040325

Tgt Ion:188 Resp: 1471523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.3 | 8.1 | 12.1 |
| 80 | 11.4 | 8.9 | 13.3 |

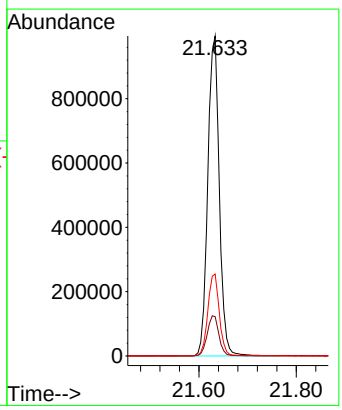


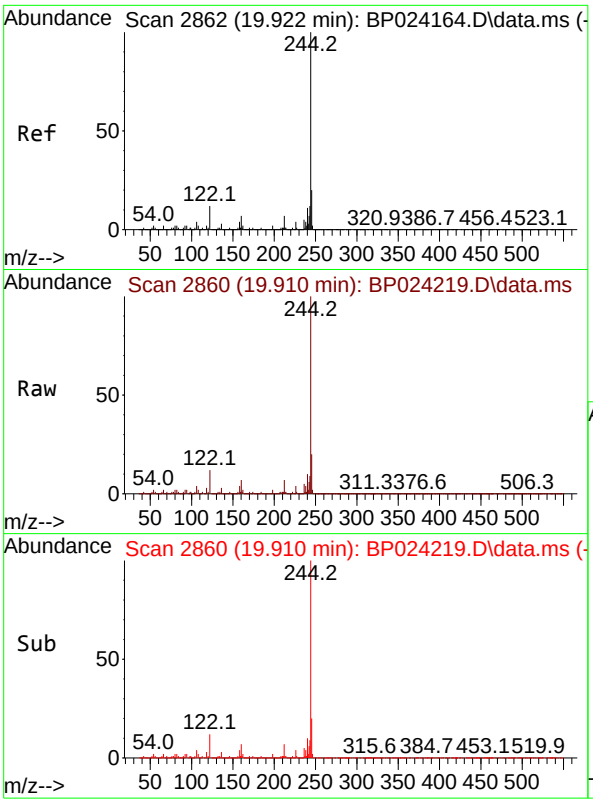




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.633 min Scan# 3153
Delta R.T. -0.024 min
Lab File: BP024219.D
Acq: 08 Apr 2025 19:09

Tgt Ion:240 Resp: 1620391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.3 | 9.2 | 13.8 |
| 236 | 25.6 | 20.4 | 30.6 |



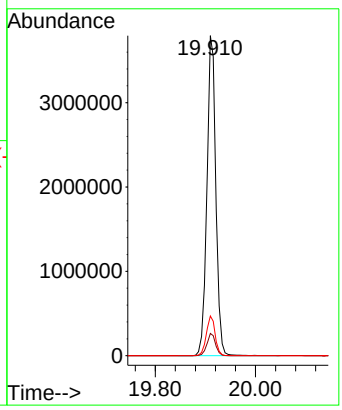


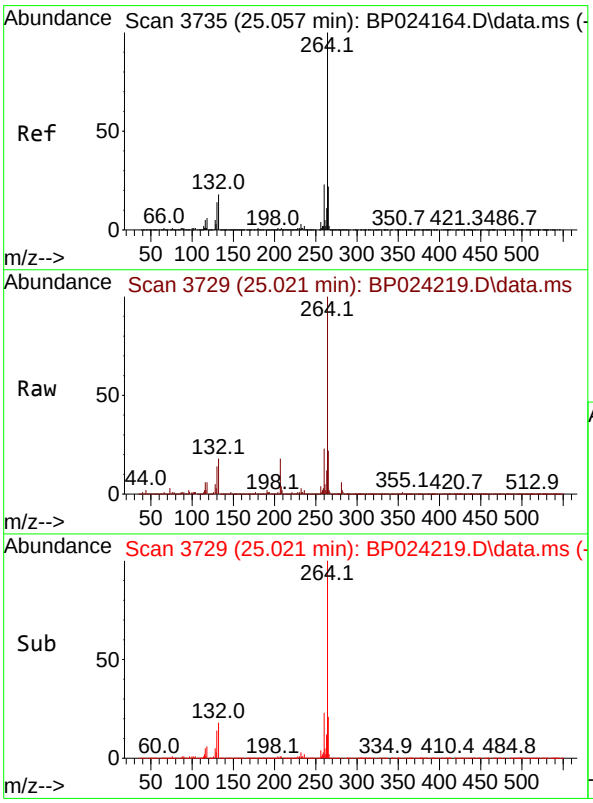

#79
Terphenyl-d14
Concen: 59.569 ng
RT: 19.910 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024219.D
Acq: 08 Apr 2025 19:09

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-21-040325

Tgt Ion:244 Resp: 4676065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.7 | 8.5 |
| 122 | 12.4 | 9.6 | 14.4 |

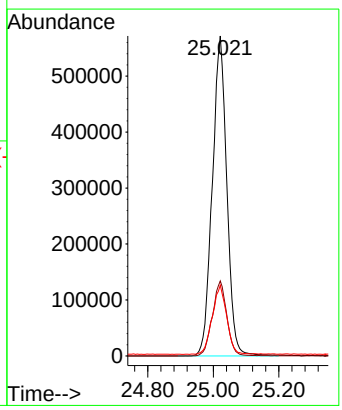



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.021 min Scan# 3729
Delta R.T. -0.035 min
Lab File: BP024219.D
Acq: 08 Apr 2025 19:09

Tgt Ion:264 Resp: 1759028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 18.5 | 27.7 |
| 265 | 22.1 | 17.7 | 26.5 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-PCS-TC-22-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-09 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 90.8 |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group3 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024220.D | 1 | 04/07/25 08:55 | 04/08/25 19:50 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 91-20-3 | Naphthalene | 0.14 | U | 0.025 | 0.14 | 0.19 | mg/Kg |
| 91-57-6 | 2-Methylnaphthalene | 0.14 | U | 0.028 | 0.14 | 0.19 | mg/Kg |
| 208-96-8 | Acenaphthylene | 0.14 | U | 0.032 | 0.14 | 0.19 | mg/Kg |
| 83-32-9 | Acenaphthene | 0.14 | U | 0.023 | 0.14 | 0.19 | mg/Kg |
| 86-73-7 | Fluorene | 0.14 | U | 0.028 | 0.14 | 0.19 | mg/Kg |
| 85-01-8 | Phenanthrene | 0.14 | U | 0.023 | 0.14 | 0.19 | mg/Kg |
| 120-12-7 | Anthracene | 0.14 | U | 0.037 | 0.14 | 0.19 | mg/Kg |
| 206-44-0 | Fluoranthene | 0.14 | U | 0.033 | 0.14 | 0.19 | mg/Kg |
| 129-00-0 | Pyrene | 0.14 | U | 0.040 | 0.14 | 0.19 | mg/Kg |
| 56-55-3 | Benzo(a)anthracene | 0.14 | U | 0.025 | 0.14 | 0.19 | mg/Kg |
| 218-01-9 | Chrysene | 0.14 | U | 0.022 | 0.14 | 0.19 | mg/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 0.14 | U | 0.021 | 0.14 | 0.19 | mg/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 0.14 | U | 0.025 | 0.14 | 0.19 | mg/Kg |
| 50-32-8 | Benzo(a)pyrene | 0.14 | U | 0.033 | 0.14 | 0.19 | mg/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.14 | U | 0.032 | 0.14 | 0.19 | mg/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.14 | U | 0.030 | 0.14 | 0.19 | mg/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 0.14 | U | 0.028 | 0.14 | 0.19 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 76.4 | | 35 - 115 | | 51% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 76.7 | | 34 - 127 | | 51% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 50.2 | | 37 - 122 | | 50% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 48.6 | | 44 - 115 | | 49% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 85.4 | | 39 - 132 | | 57% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 65.9 | | 54 - 127 | | 66% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 426000 | 7.74 | | | | |
| 1146-65-2 | Naphthalene-d8 | 1740000 | 10.522 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 1090000 | 14.375 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 2130000 | 17.18 | | | | |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-PCS-TC-22-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-09 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 90.8 |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group3 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024220.D | 1 | 04/07/25 08:55 | 04/08/25 19:50 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 1719-03-5 | Chrysene-d12 | 1840000 | 21.639 | | | | |
| 1520-96-3 | Perylene-d12 | 1510000 | 25.027 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 15972608 | Alachlor | 0 | U | | | N.D | mg/Kg |

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\BP040825\
Data File : BP024220.D
Acq On : 08 Apr 2025 19:50
Operator : RC/JU
Sample : Q1730-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-22-040325

Quant Time: Apr 09 01:02:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

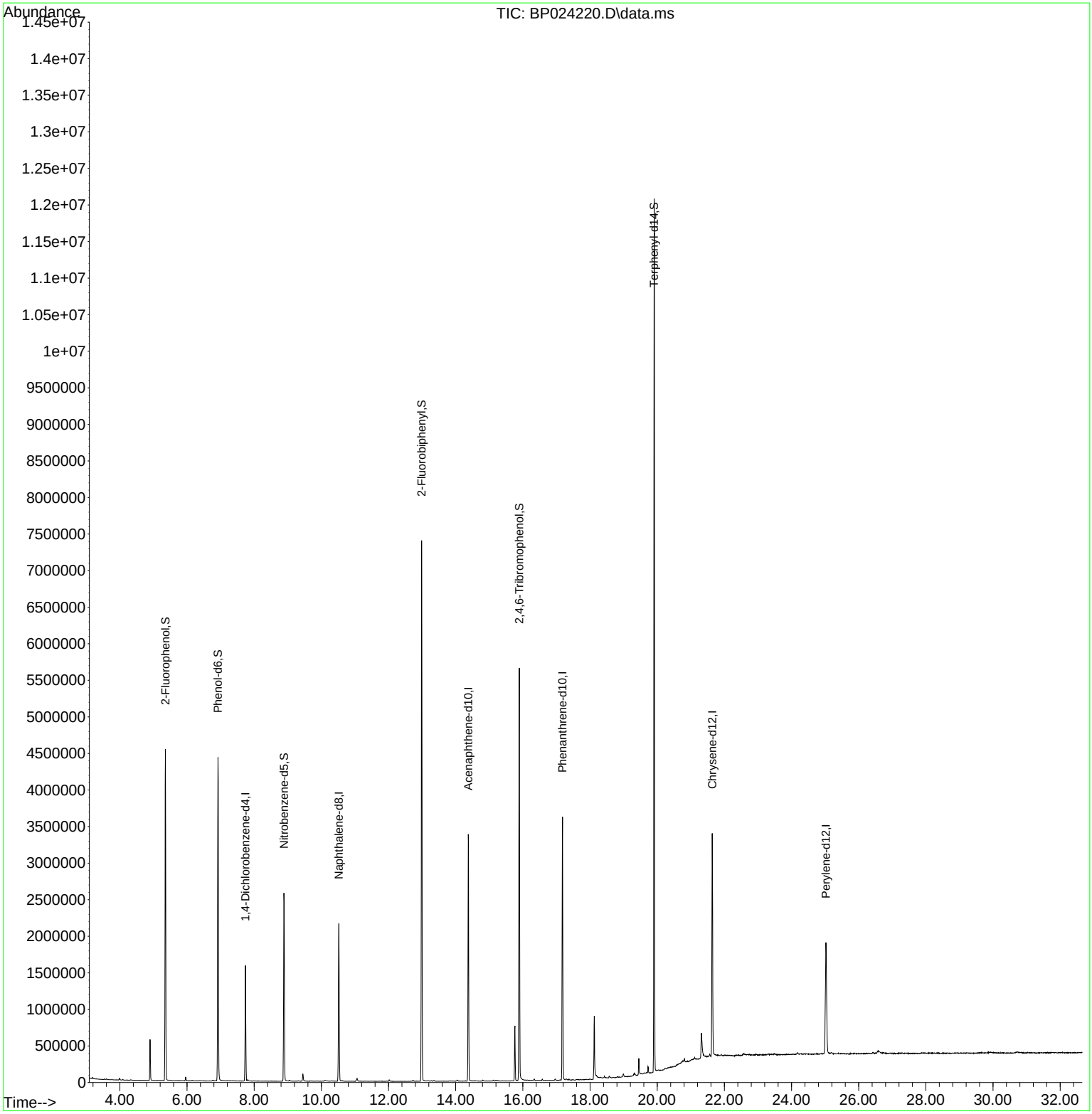
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.740 | 152 | 425623 | 20.000 | ng | -0.03 |
| 21) Naphthalene-d8 | 10.522 | 136 | 1737721 | 20.000 | ng | -0.03 |
| 39) Acenaphthene-d10 | 14.375 | 164 | 1085102 | 20.000 | ng | -0.03 |
| 64) Phenanthrene-d10 | 17.180 | 188 | 2131222 | 20.000 | ng | -0.02 |
| 76) Chrysene-d12 | 21.639 | 240 | 1837984 | 20.000 | ng | -0.02 |
| 86) Perylene-d12 | 25.027 | 264 | 1509058 | 20.000 | ng | -0.03 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.357 | 112 | 2038170 | 76.441 | ng | -0.02 |
| 7) Phenol-d6 | 6.922 | 99 | 2736079 | 76.736 | ng | -0.03 |
| 23) Nitrobenzene-d5 | 8.887 | 82 | 1544883 | 50.160 | ng | -0.04 |
| 42) 2,4,6-Tribromophenol | 15.892 | 330 | 1167430 | 85.412 | ng | -0.02 |
| 45) 2-Fluorobiphenyl | 12.986 | 172 | 3576688 | 48.603 | ng | -0.03 |
| 79) Terphenyl-d14 | 19.910 | 244 | 5866503 | 65.886 | ng | -0.01 |
| Target Compounds | | | | | | Qvalue |

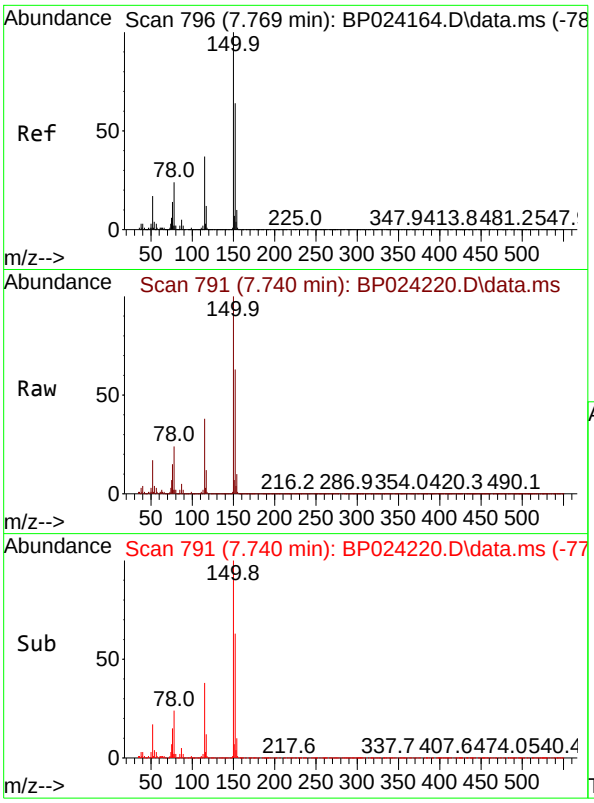
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024220.D
Acq On : 08 Apr 2025 19:50
Operator : RC/JU
Sample : Q1730-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-22-040325

Quant Time: Apr 09 01:02:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration



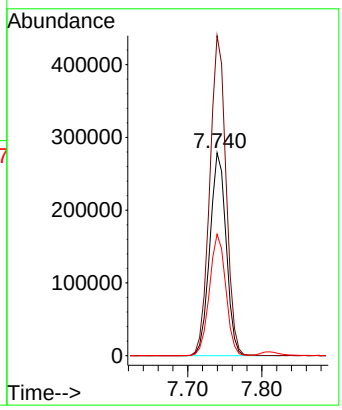


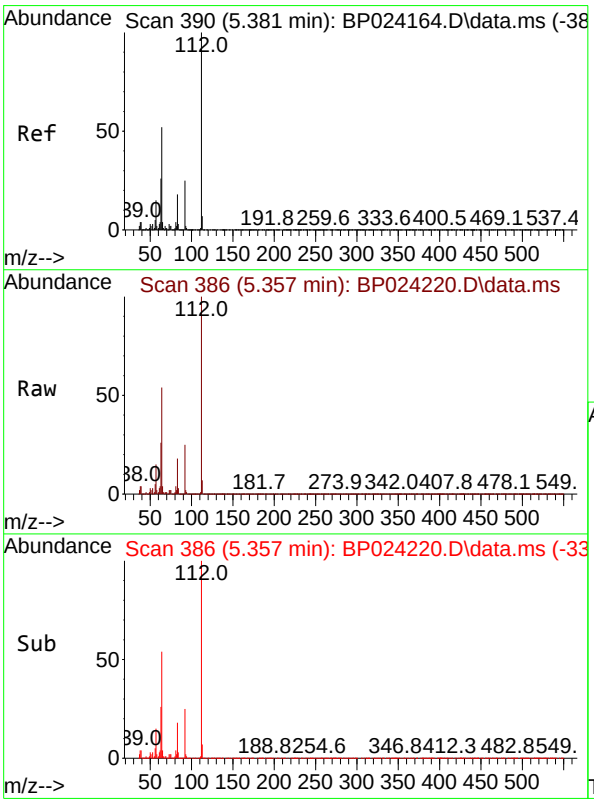

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.029 min
Lab File: BP024220.D
Acq: 08 Apr 2025 19:50

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-22-040325

Tgt Ion:152 Resp: 425623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.7 | 125.5 | 188.3 |
| 115 | 59.9 | 46.3 | 69.5 |

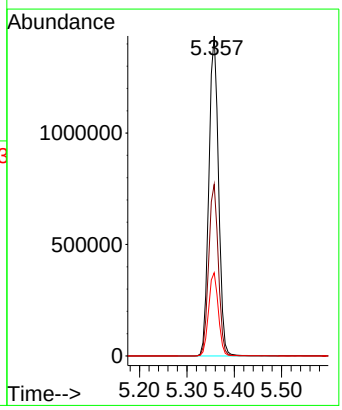


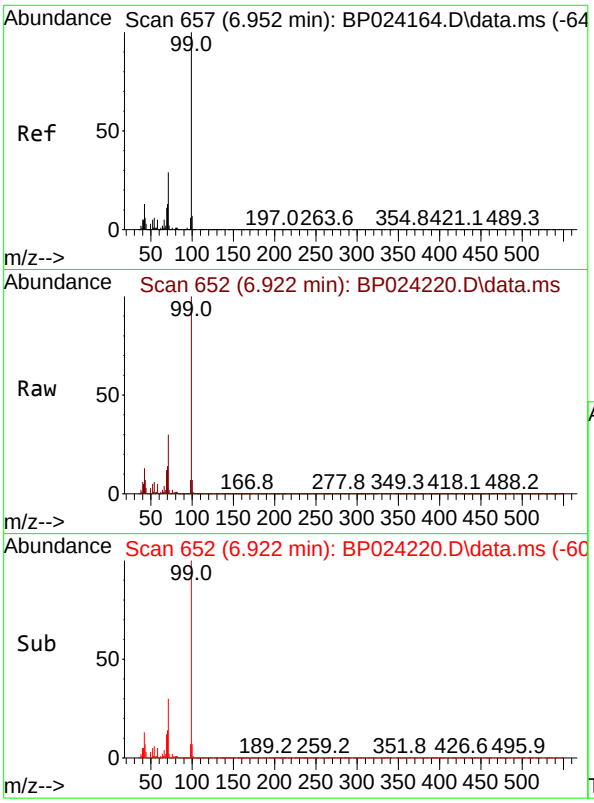




#5
2-Fluorophenol
Concen: 76.441 ng
RT: 5.357 min Scan# 386
Delta R.T. -0.024 min
Lab File: BP024220.D
Acq: 08 Apr 2025 19:50

Tgt Ion:112 Resp: 2038170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.6 | 41.3 | 61.9 |
| 63 | 26.0 | 20.6 | 31.0 |



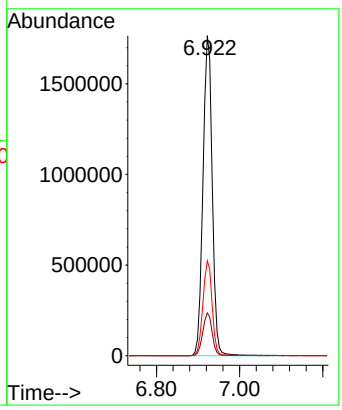


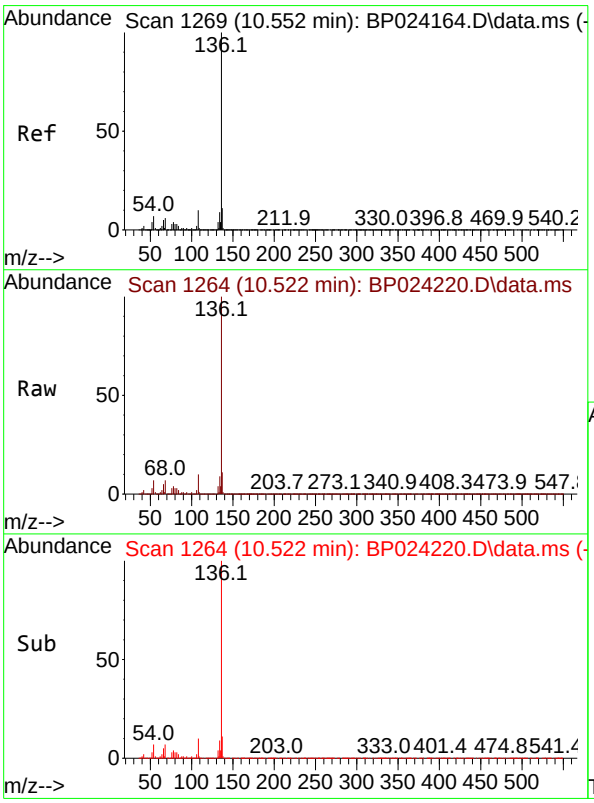

#7
Phenol-d6
Concen: 76.736 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.030 min
Lab File: BP024220.D
Acq: 08 Apr 2025 19:50

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-22-040325

Tgt Ion: 99 Resp: 2736079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.4 | 10.6 | 16.0 |
| 71 | 29.7 | 23.3 | 34.9 |

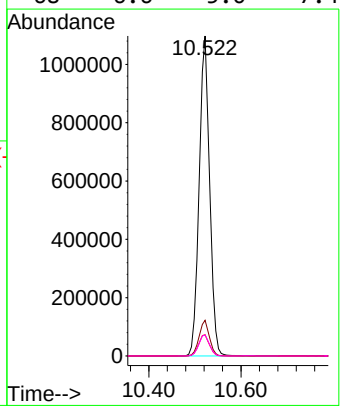


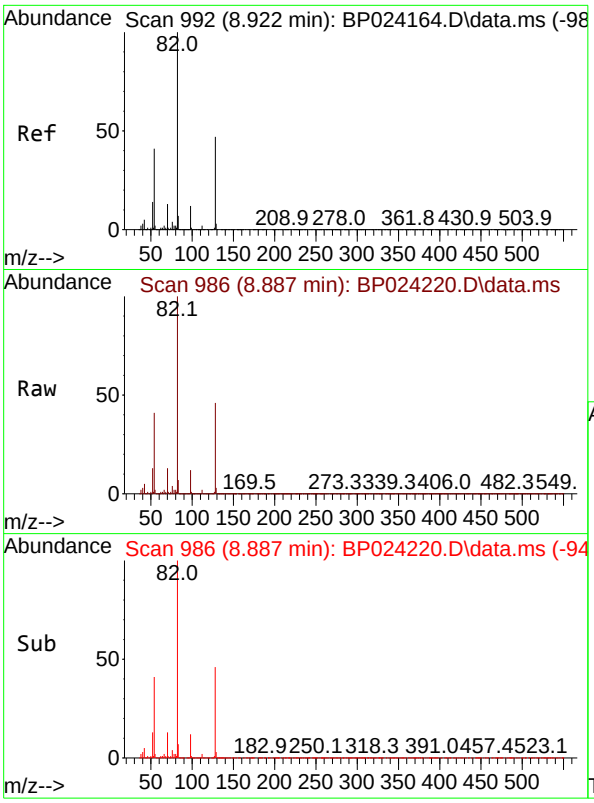




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.522 min Scan# 1264
Delta R.T. -0.030 min
Lab File: BP024220.D
Acq: 08 Apr 2025 19:50

Tgt Ion:136 Resp: 1737721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 9.0 | 13.4 |
| 54 | 6.7 | 5.3 | 7.9 |
| 68 | 6.6 | 5.0 | 7.4 |



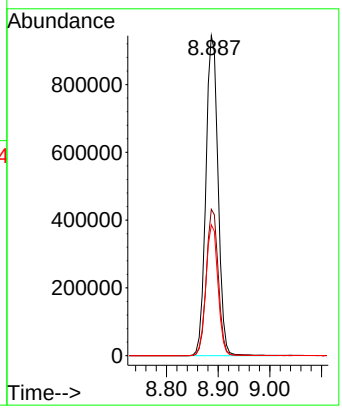


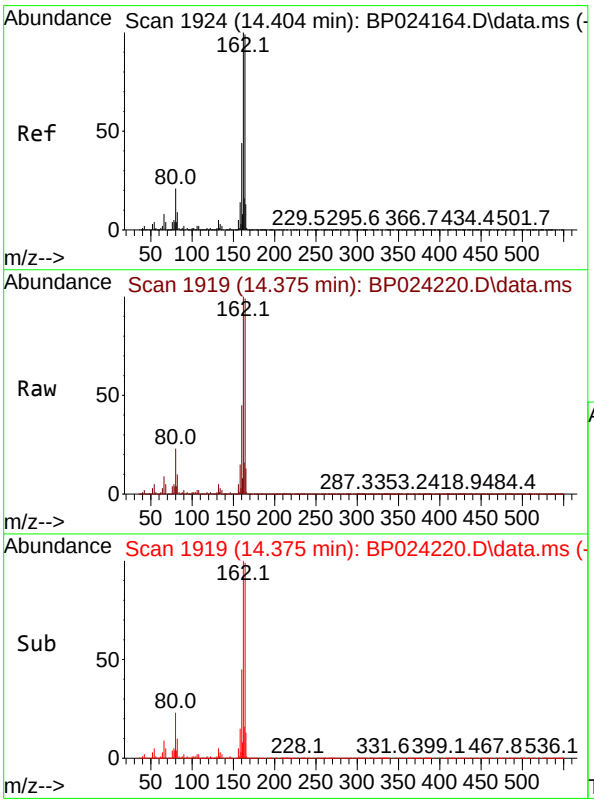

#23
Nitrobenzene-d5
Concen: 50.160 ng
RT: 8.887 min Scan# 9
Delta R.T. -0.036 min
Lab File: BP024220.D
Acq: 08 Apr 2025 19:50

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-22-040325

Tgt Ion: 82 Resp: 1544883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.8 | 37.4 | 56.0 |
| 54 | 40.9 | 32.5 | 48.7 |

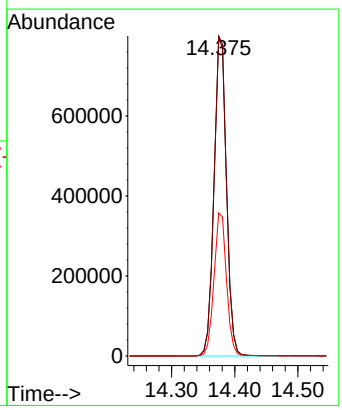


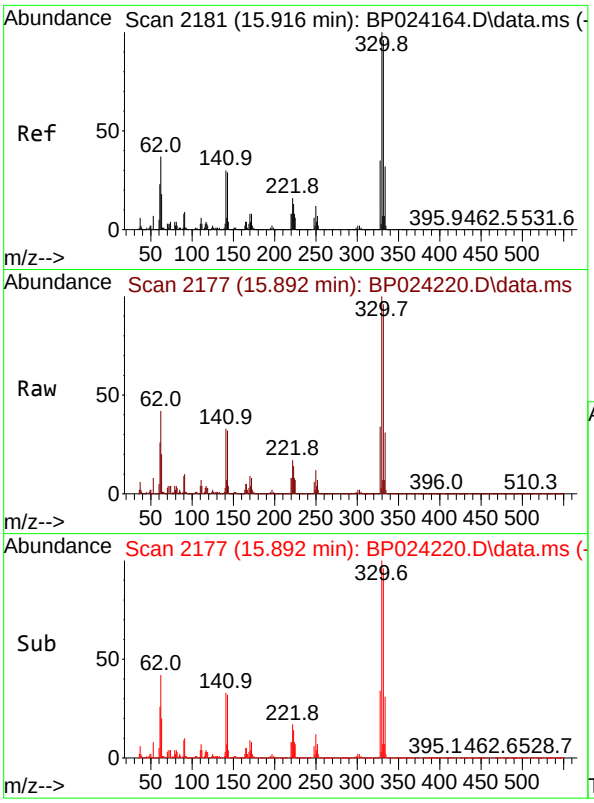




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.375 min Scan# 1919
Delta R.T. -0.030 min
Lab File: BP024220.D
Acq: 08 Apr 2025 19:50

Tgt Ion:164 Resp: 1085102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.6 | 80.6 | 121.0 |
| 160 | 45.0 | 35.4 | 53.2 |



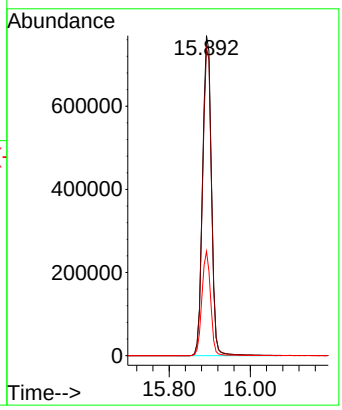


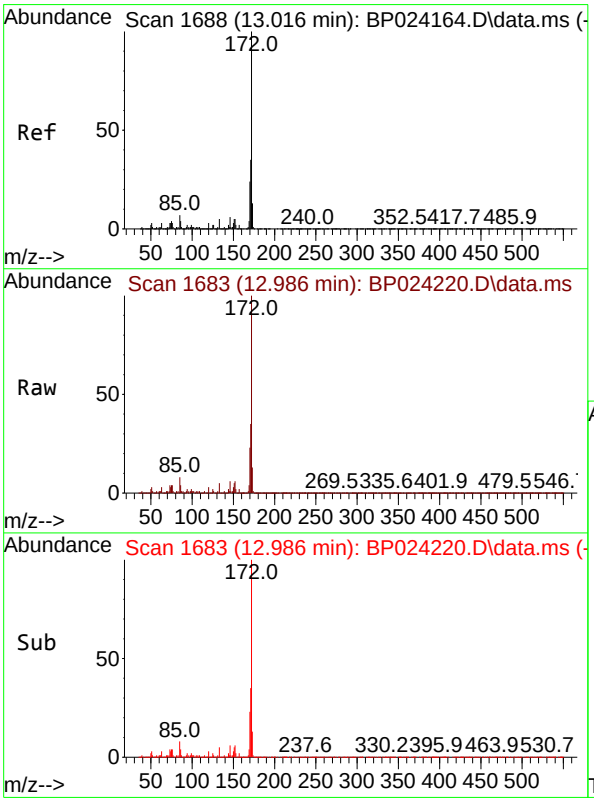

#42
2,4,6-Tribromophenol
Concen: 85.412 ng
RT: 15.892 min Scan# 21
Delta R.T. -0.024 min
Lab File: BP024220.D
Acq: 08 Apr 2025 19:50

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-22-040325

Tgt Ion:330 Resp: 1167430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.7 | 77.6 | 116.4 |
| 141 | 32.1 | 25.0 | 37.6 |

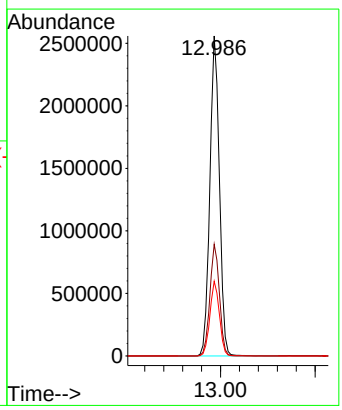


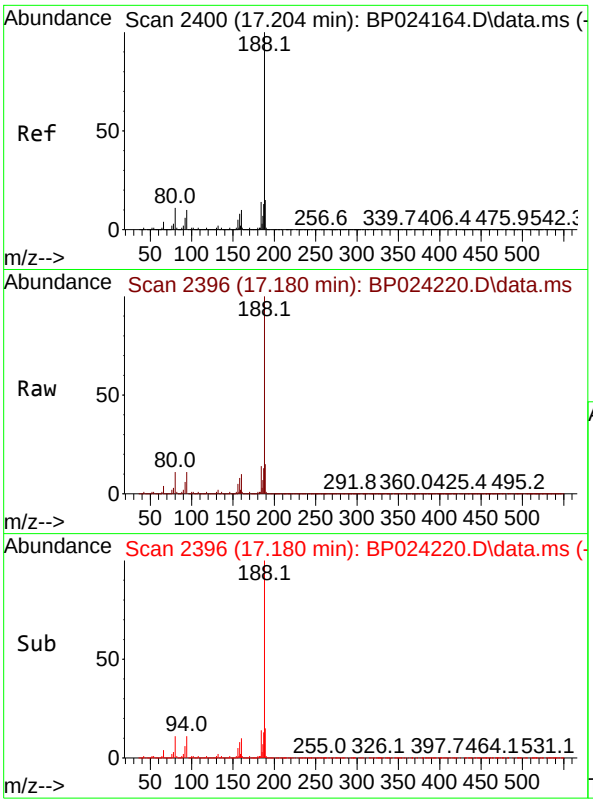




#45
2-Fluorobiphenyl
Concen: 48.603 ng
RT: 12.986 min Scan# 1683
Delta R.T. -0.030 min
Lab File: BP024220.D
Acq: 08 Apr 2025 19:50

Tgt Ion:172 Resp: 3576688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.9 | 28.3 | 42.5 |
| 170 | 23.4 | 19.0 | 28.4 |



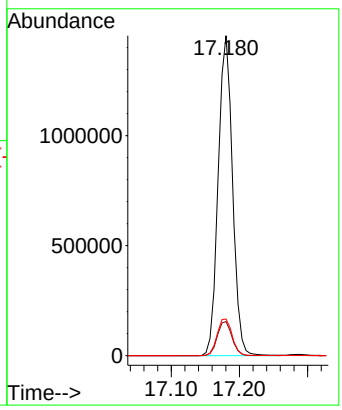


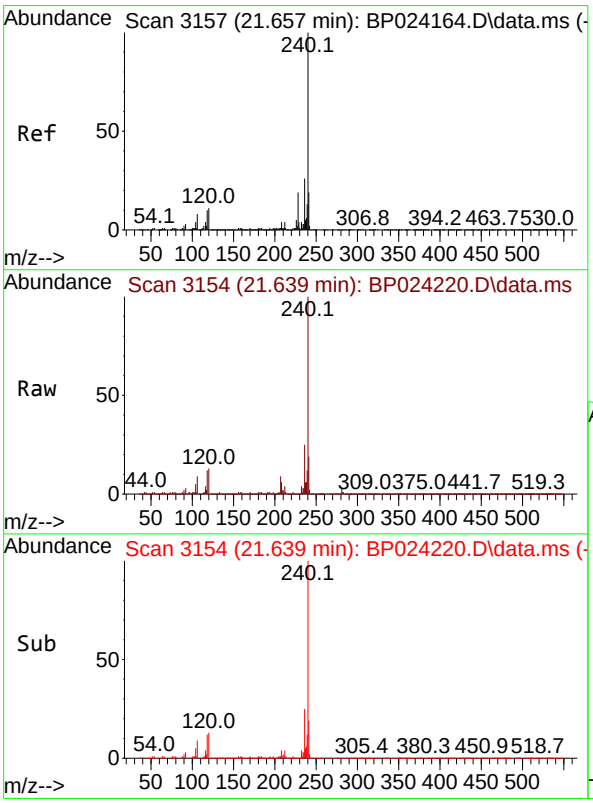

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.180 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP024220.D
Acq: 08 Apr 2025 19:50

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-22-040325

Tgt Ion:188 Resp: 2131222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.7 | 8.1 | 12.1 |
| 80 | 11.4 | 8.9 | 13.3 |

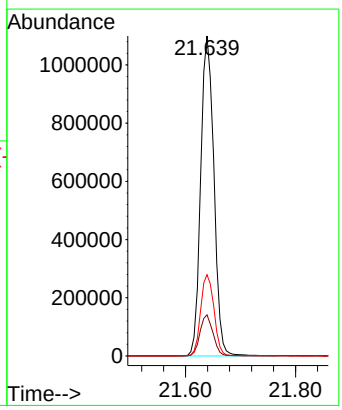


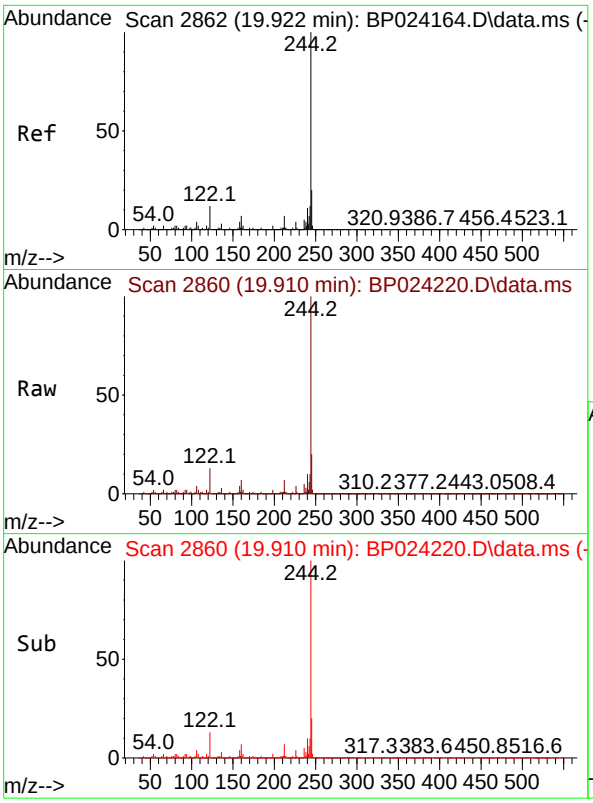




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.639 min Scan# 3154
Delta R.T. -0.018 min
Lab File: BP024220.D
Acq: 08 Apr 2025 19:50

Tgt Ion:240 Resp: 1837984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.8 | 9.2 | 13.8 |
| 236 | 25.4 | 20.4 | 30.6 |



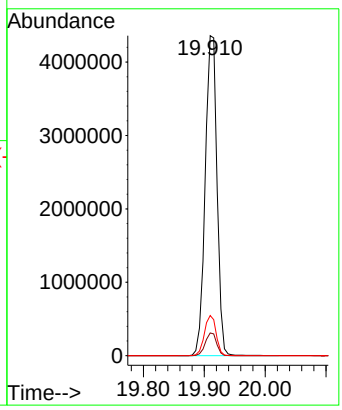


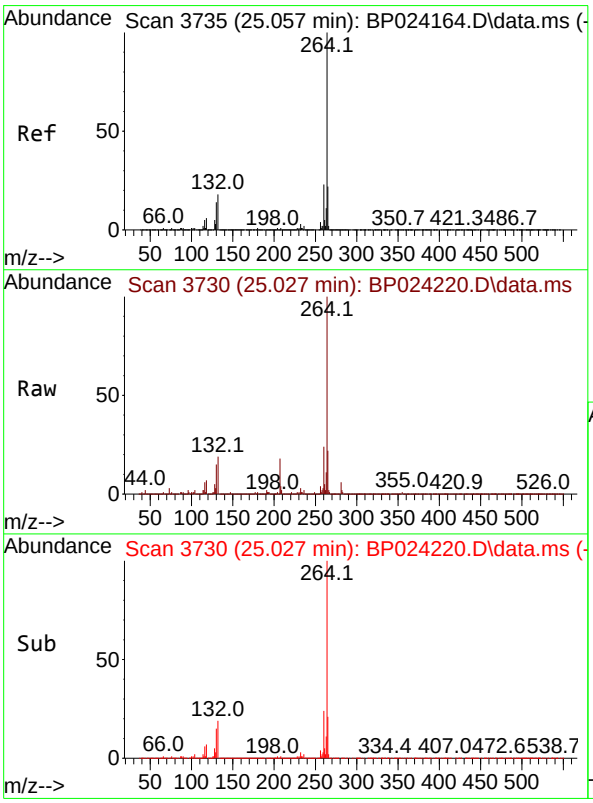

#79
Terphenyl-d14
Concen: 65.886 ng
RT: 19.910 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024220.D
Acq: 08 Apr 2025 19:50

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-22-040325

Tgt Ion:244 Resp: 5866503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.7 | 8.5 |
| 122 | 12.6 | 9.6 | 14.4 |

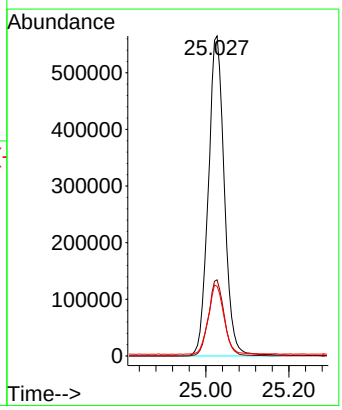



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.027 min Scan# 3730
Delta R.T. -0.030 min
Lab File: BP024220.D
Acq: 08 Apr 2025 19:50

Tgt Ion:264 Resp: 1509058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 18.5 | 27.7 |
| 265 | 21.8 | 17.7 | 26.5 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-PCS-TC-23-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-11 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 90.9 |
| Sample Wt/Vol: | 30.07 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group3 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024221.D | 1 | 04/07/25 08:55 | 04/08/25 20:31 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 91-20-3 | Naphthalene | 0.14 | U | 0.025 | 0.14 | 0.19 | mg/Kg |
| 91-57-6 | 2-Methylnaphthalene | 0.14 | U | 0.028 | 0.14 | 0.19 | mg/Kg |
| 208-96-8 | Acenaphthylene | 0.14 | U | 0.032 | 0.14 | 0.19 | mg/Kg |
| 83-32-9 | Acenaphthene | 0.14 | U | 0.023 | 0.14 | 0.19 | mg/Kg |
| 86-73-7 | Fluorene | 0.14 | U | 0.028 | 0.14 | 0.19 | mg/Kg |
| 85-01-8 | Phenanthrene | 0.14 | U | 0.023 | 0.14 | 0.19 | mg/Kg |
| 120-12-7 | Anthracene | 0.14 | U | 0.037 | 0.14 | 0.19 | mg/Kg |
| 206-44-0 | Fluoranthene | 0.14 | U | 0.033 | 0.14 | 0.19 | mg/Kg |
| 129-00-0 | Pyrene | 0.14 | U | 0.040 | 0.14 | 0.19 | mg/Kg |
| 56-55-3 | Benzo(a)anthracene | 0.14 | U | 0.025 | 0.14 | 0.19 | mg/Kg |
| 218-01-9 | Chrysene | 0.14 | U | 0.022 | 0.14 | 0.19 | mg/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 0.14 | U | 0.021 | 0.14 | 0.19 | mg/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 0.14 | U | 0.025 | 0.14 | 0.19 | mg/Kg |
| 50-32-8 | Benzo(a)pyrene | 0.14 | U | 0.032 | 0.14 | 0.19 | mg/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.14 | U | 0.032 | 0.14 | 0.19 | mg/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.14 | U | 0.030 | 0.14 | 0.19 | mg/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 0.14 | U | 0.028 | 0.14 | 0.19 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 76.5 | | 35 - 115 | | 51% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 74.0 | | 34 - 127 | | 49% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 51.6 | | 37 - 122 | | 52% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 50.5 | | 44 - 115 | | 50% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 82.0 | | 39 - 132 | | 55% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 56.5 | | 54 - 127 | | 56% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 358000 | 7.74 | | | | |
| 1146-65-2 | Naphthalene-d8 | 1370000 | 10.516 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 805000 | 14.381 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 1590000 | 17.192 | | | | |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-PCS-TC-23-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-11 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 90.9 |
| Sample Wt/Vol: | 30.07 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group3 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024221.D | 1 | 04/07/25 08:55 | 04/08/25 20:31 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 1719-03-5 | Chrysene-d12 | 1780000 | 21.639 | | | | |
| 1520-96-3 | Perylene-d12 | 1910000 | 25.004 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 15972608 | Alachlor | 0 | U | | | N.D | mg/Kg |

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\BP040825\
Data File : BP024221.D
Acq On : 08 Apr 2025 20:31
Operator : RC/JU
Sample : Q1730-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-23-040325

Quant Time: Apr 09 01:02:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

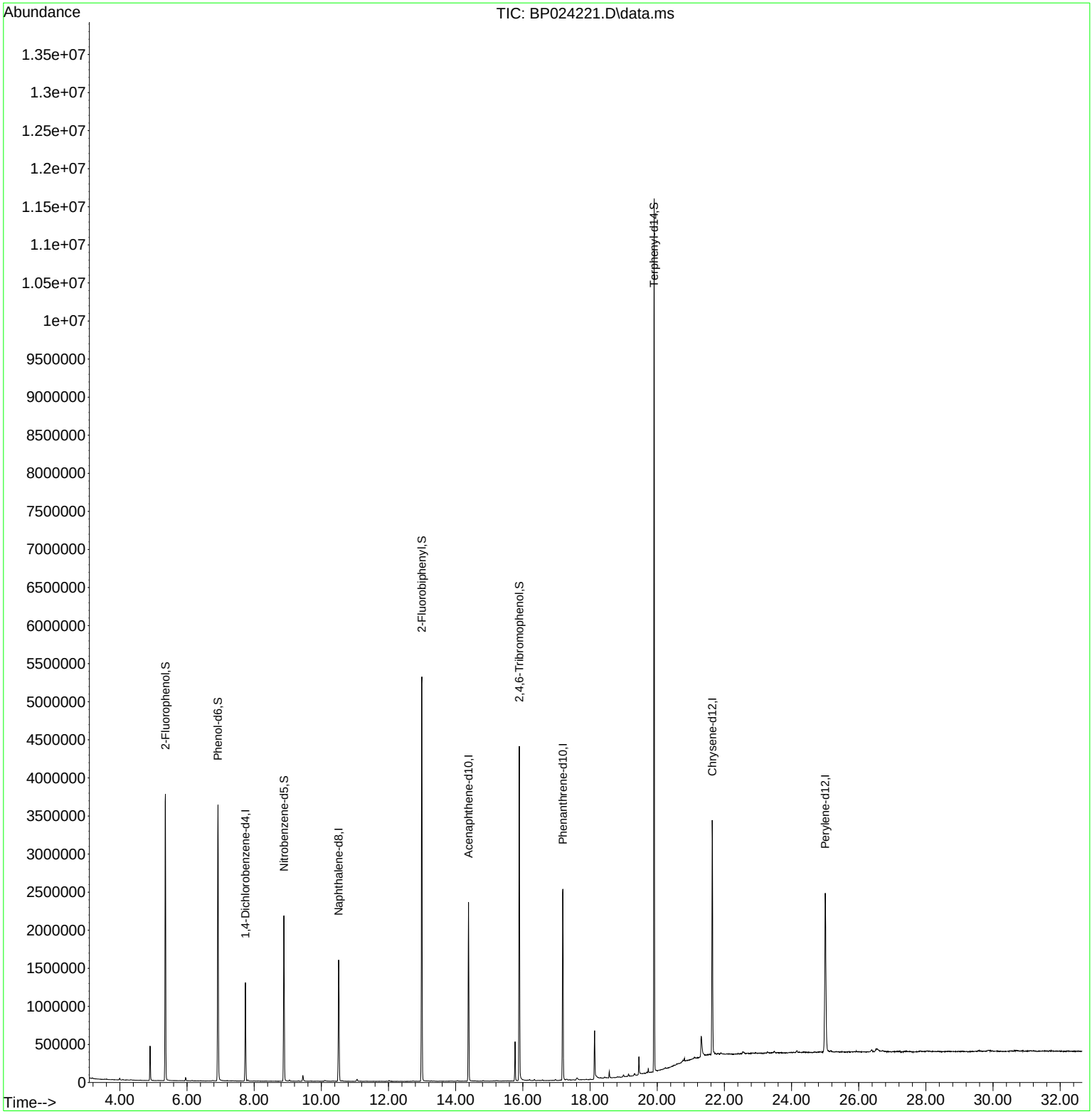
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.740 | 152 | 358338 | 20.000 | ng | -0.03 |
| 21) Naphthalene-d8 | 10.516 | 136 | 1367638 | 20.000 | ng | -0.04 |
| 39) Acenaphthene-d10 | 14.381 | 164 | 804787 | 20.000 | ng | -0.02 |
| 64) Phenanthrene-d10 | 17.192 | 188 | 1593318 | 20.000 | ng | -0.01 |
| 76) Chrysene-d12 | 21.639 | 240 | 1784235 | 20.000 | ng | -0.02 |
| 86) Perylene-d12 | 25.004 | 264 | 1907981 | 20.000 | ng | -0.05 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.358 | 112 | 1717372 | 76.504 | ng | -0.02 |
| 7) Phenol-d6 | 6.922 | 99 | 2220216 | 73.960 | ng | -0.03 |
| 23) Nitrobenzene-d5 | 8.887 | 82 | 1250487 | 51.588 | ng | -0.04 |
| 42) 2,4,6-Tribromophenol | 15.892 | 330 | 831215 | 81.996 | ng | -0.02 |
| 45) 2-Fluorobiphenyl | 12.993 | 172 | 2755658 | 50.489 | ng | -0.02 |
| 79) Terphenyl-d14 | 19.910 | 244 | 4881858 | 56.479 | ng | -0.01 |
| Target Compounds | | | | | | Qvalue |

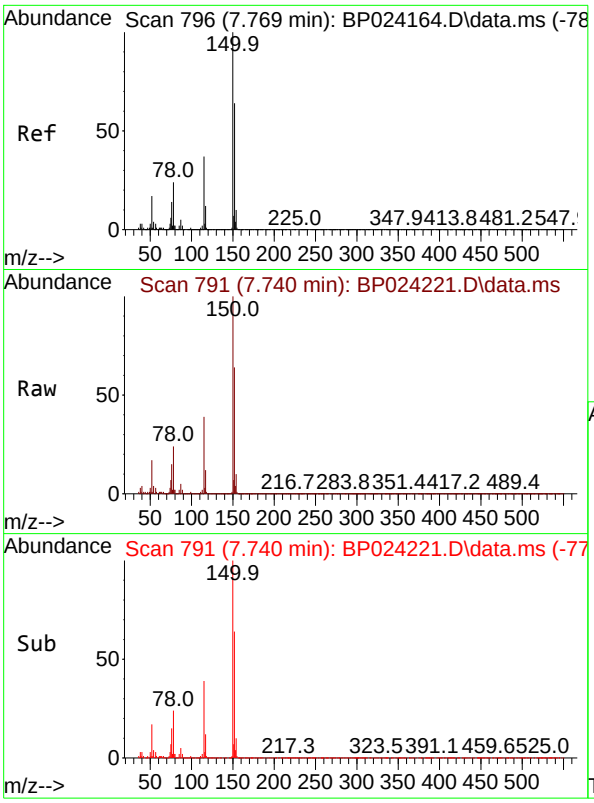
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024221.D
Acq On : 08 Apr 2025 20:31
Operator : RC/JU
Sample : Q1730-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-23-040325

Quant Time: Apr 09 01:02:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration



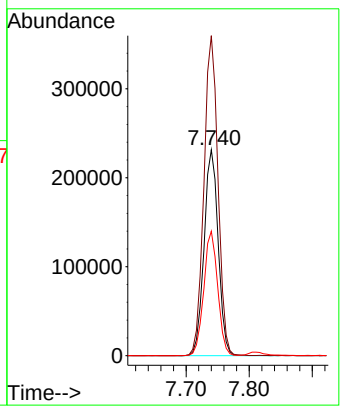


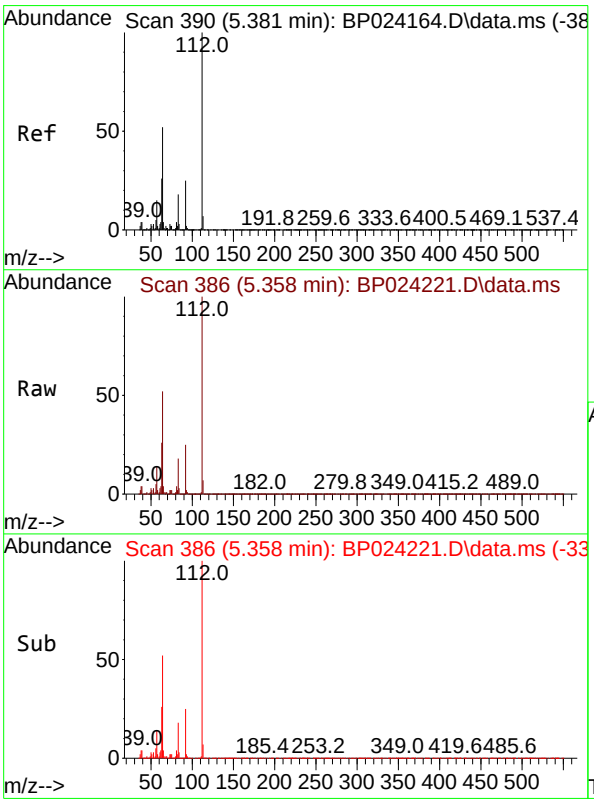

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.029 min
Lab File: BP024221.D
Acq: 08 Apr 2025 20:31

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-23-040325

Tgt Ion:152 Resp: 358338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.4 | 125.5 | 188.3 |
| 115 | 60.5 | 46.3 | 69.5 |

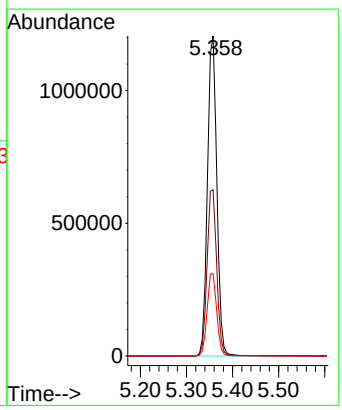


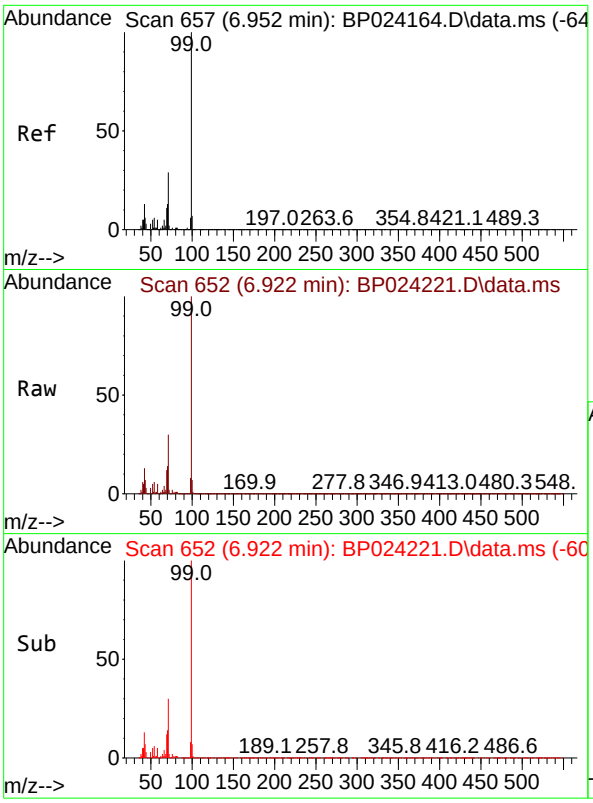




#5
2-Fluorophenol
Concen: 76.504 ng
RT: 5.358 min Scan# 386
Delta R.T. -0.024 min
Lab File: BP024221.D
Acq: 08 Apr 2025 20:31

Tgt Ion:112 Resp: 1717372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 51.9 | 41.3 | 61.9 |
| 63 | 25.8 | 20.6 | 31.0 |



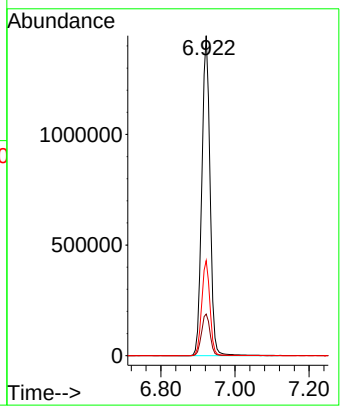


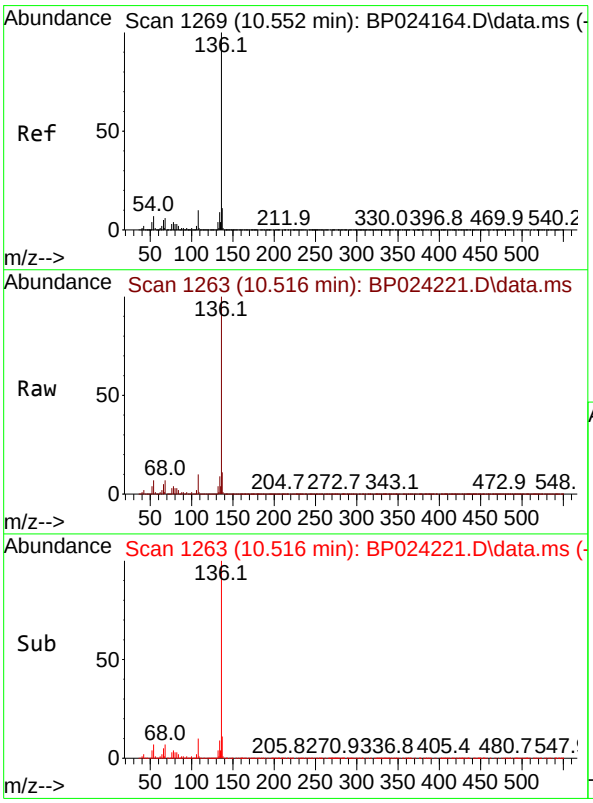

#7
Phenol-d6
Concen: 73.960 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.029 min
Lab File: BP024221.D
Acq: 08 Apr 2025 20:31

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-23-040325

Tgt Ion: 99 Resp: 2220216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.0 | 10.6 | 16.0 |
| 71 | 29.7 | 23.3 | 34.9 |

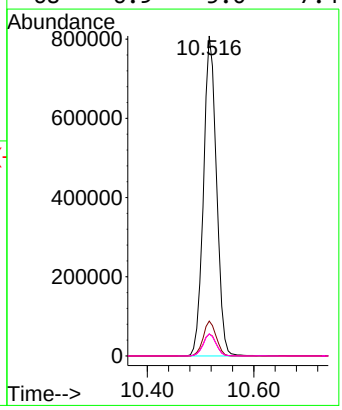


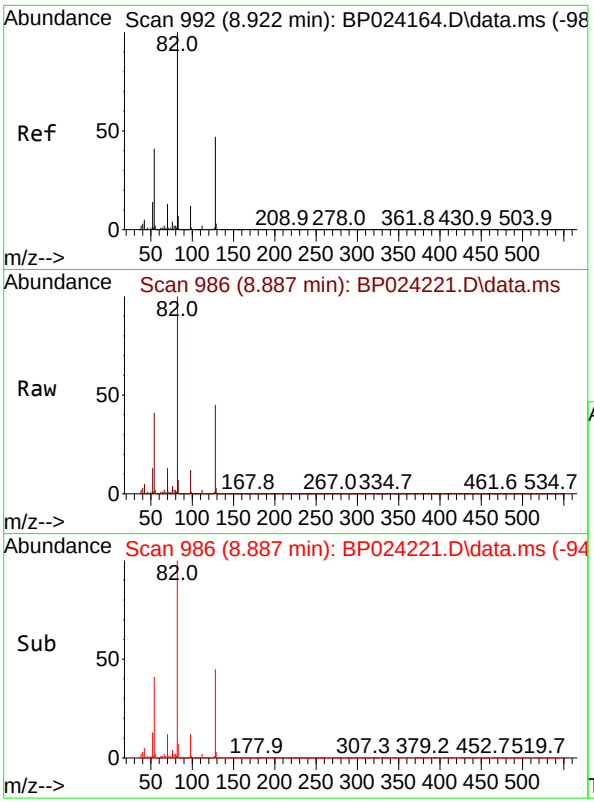




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1263
Delta R.T. -0.035 min
Lab File: BP024221.D
Acq: 08 Apr 2025 20:31

Tgt Ion:136 Resp: 1367638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.0 | 13.4 |
| 54 | 6.8 | 5.3 | 7.9 |
| 68 | 6.9 | 5.0 | 7.4 |



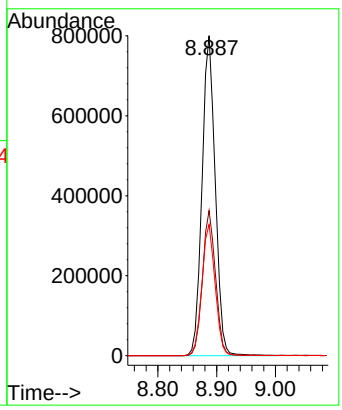


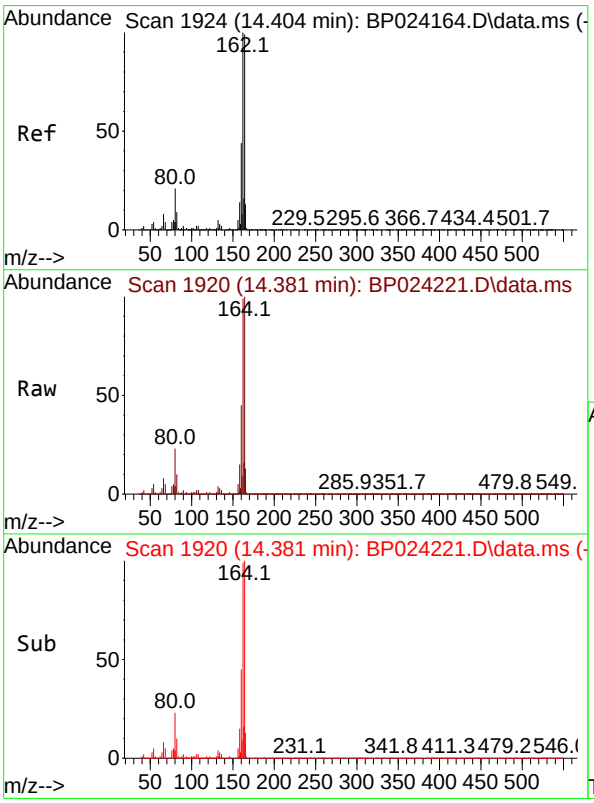

#23
Nitrobenzene-d5
Concen: 51.588 ng
RT: 8.887 min Scan# 9
Delta R.T. -0.035 min
Lab File: BP024221.D
Acq: 08 Apr 2025 20:31

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-23-040325

Tgt Ion: 82 Resp: 1250487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.4 | 37.4 | 56.0 |
| 54 | 41.0 | 32.5 | 48.7 |

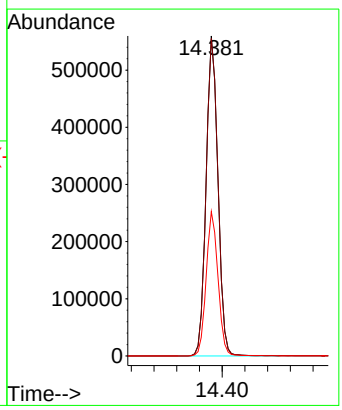


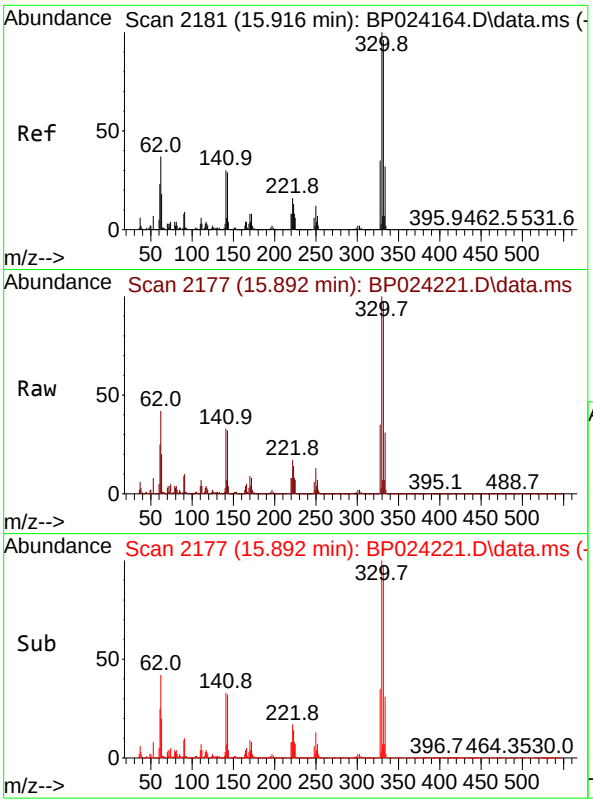




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.381 min Scan# 1920
Delta R.T. -0.024 min
Lab File: BP024221.D
Acq: 08 Apr 2025 20:31

Tgt Ion:164 Resp: 804787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.2 | 80.6 | 121.0 |
| 160 | 45.1 | 35.4 | 53.2 |



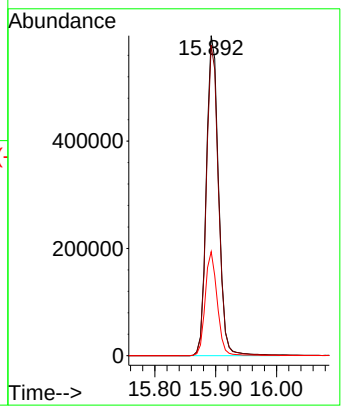


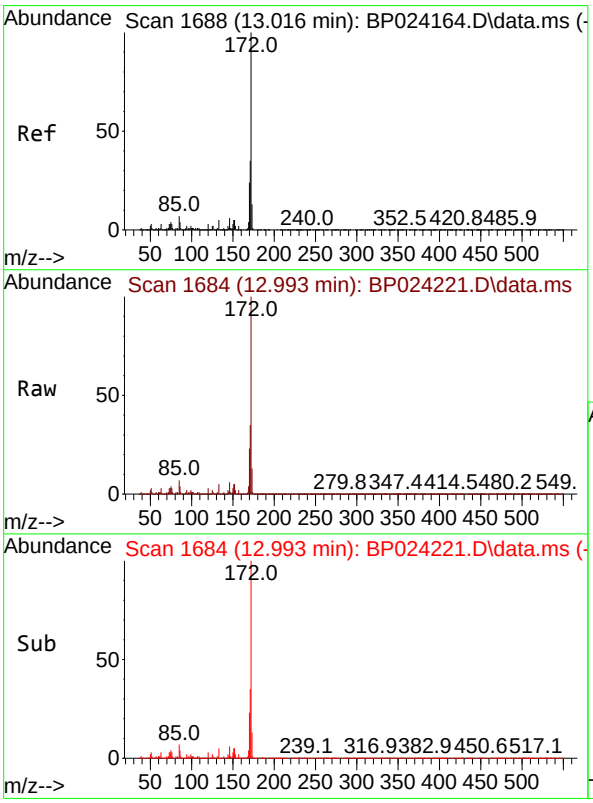

#42
2,4,6-Tribromophenol
Concen: 81.996 ng
RT: 15.892 min Scan# 21
Delta R.T. -0.024 min
Lab File: BP024221.D
Acq: 08 Apr 2025 20:31

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-23-040325

Tgt Ion:330 Resp: 831215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 77.6 | 116.4 |
| 141 | 32.2 | 25.0 | 37.6 |

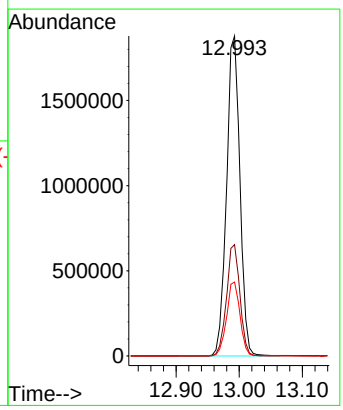


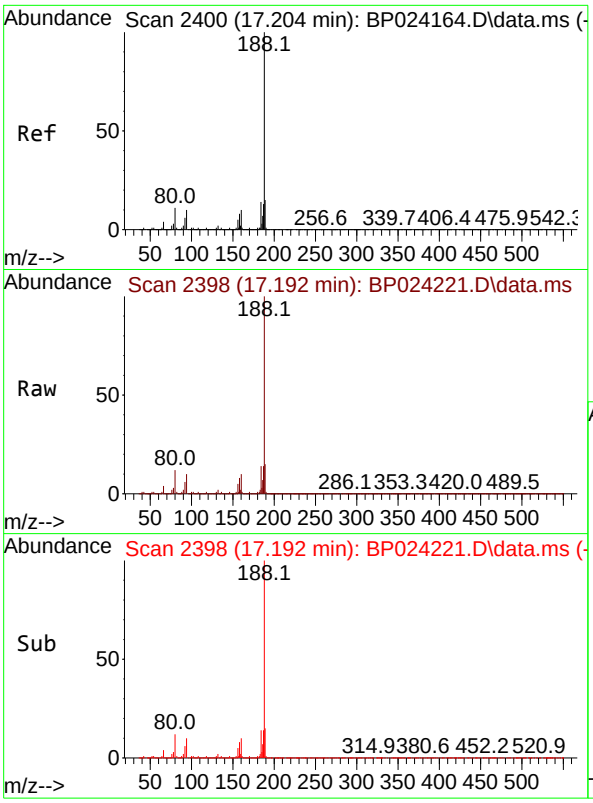




#45
2-Fluorobiphenyl
Concen: 50.489 ng
RT: 12.993 min Scan# 1684
Delta R.T. -0.024 min
Lab File: BP024221.D
Acq: 08 Apr 2025 20:31

Tgt Ion:172 Resp: 2755658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.8 | 28.3 | 42.5 |
| 170 | 23.1 | 19.0 | 28.4 |



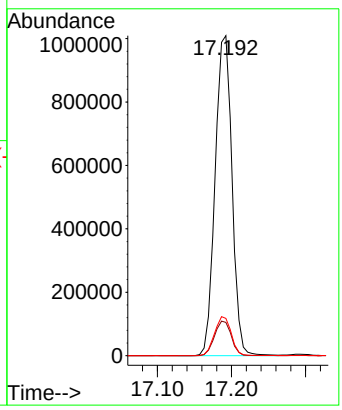


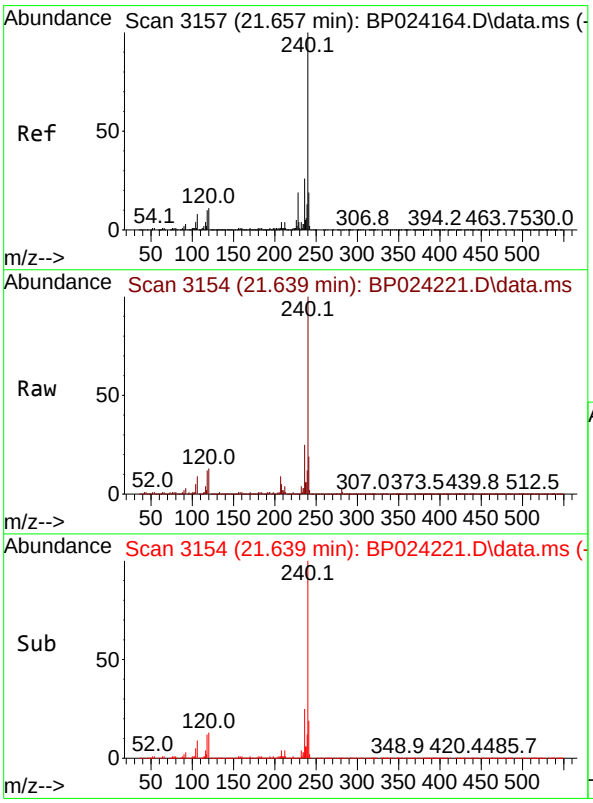

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024221.D
Acq: 08 Apr 2025 20:31

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-23-040325

Tgt Ion:188 Resp: 1593318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.4 | 8.1 | 12.1 |
| 80 | 11.6 | 8.9 | 13.3 |

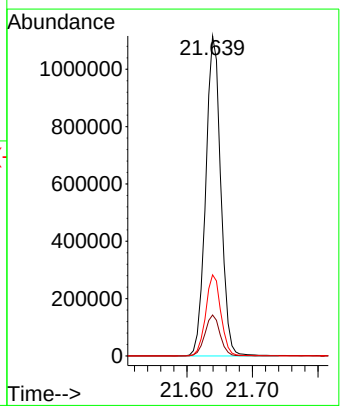


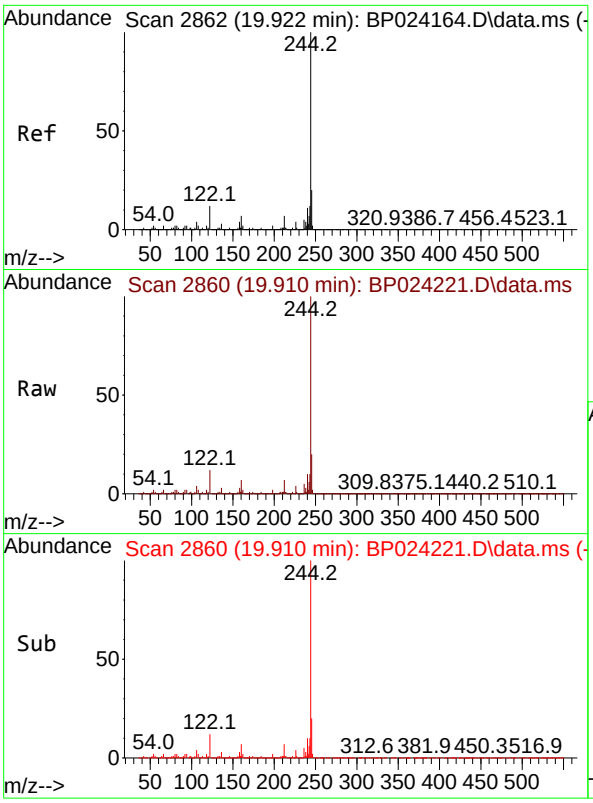




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.639 min Scan# 3154
Delta R.T. -0.018 min
Lab File: BP024221.D
Acq: 08 Apr 2025 20:31

Tgt Ion:240 Resp: 1784235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.8 | 9.2 | 13.8 |
| 236 | 25.3 | 20.4 | 30.6 |



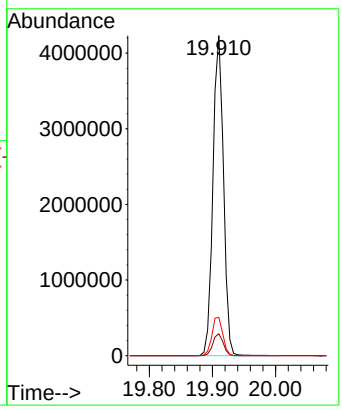


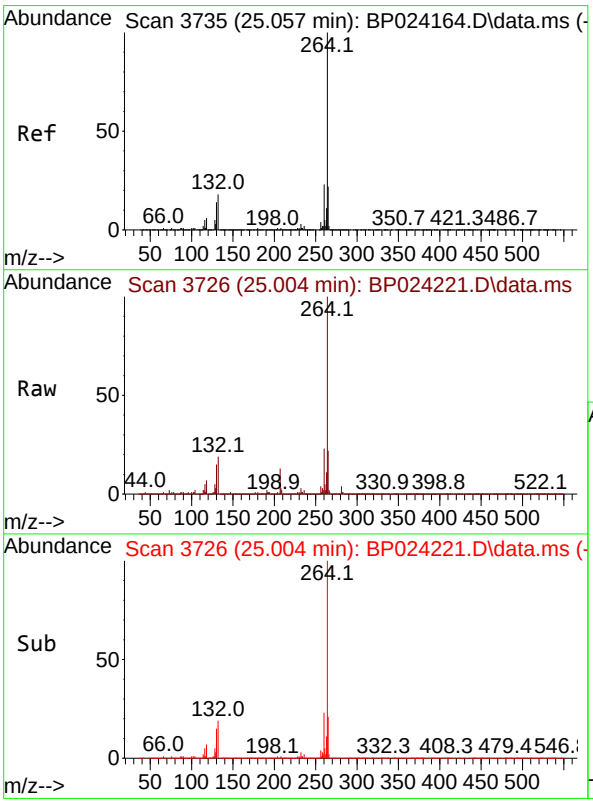

#79
Terphenyl-d14
Concen: 56.479 ng
RT: 19.910 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024221.D
Acq: 08 Apr 2025 20:31

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-23-040325

Tgt Ion:244 Resp: 4881858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.7 | 8.5 |
| 122 | 12.0 | 9.6 | 14.4 |

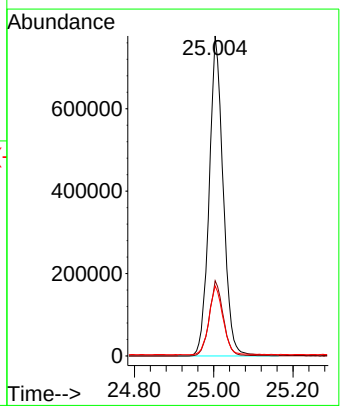



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.004 min Scan# 3726
Delta R.T. -0.053 min
Lab File: BP024221.D
Acq: 08 Apr 2025 20:31

Tgt Ion:264 Resp: 1907981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 18.5 | 27.7 |
| 265 | 21.9 | 17.7 | 26.5 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-PCS-TC-24-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-13 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 91.3 |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group3 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024222.D | 1 | 04/07/25 08:55 | 04/08/25 21:11 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 91-20-3 | Naphthalene | 0.14 | U | 0.025 | 0.14 | 0.19 | mg/Kg |
| 91-57-6 | 2-Methylnaphthalene | 0.14 | U | 0.028 | 0.14 | 0.19 | mg/Kg |
| 208-96-8 | Acenaphthylene | 0.14 | U | 0.032 | 0.14 | 0.19 | mg/Kg |
| 83-32-9 | Acenaphthene | 0.14 | U | 0.023 | 0.14 | 0.19 | mg/Kg |
| 86-73-7 | Fluorene | 0.14 | U | 0.028 | 0.14 | 0.19 | mg/Kg |
| 85-01-8 | Phenanthrene | 0.14 | U | 0.023 | 0.14 | 0.19 | mg/Kg |
| 120-12-7 | Anthracene | 0.14 | U | 0.036 | 0.14 | 0.19 | mg/Kg |
| 206-44-0 | Fluoranthene | 0.14 | U | 0.033 | 0.14 | 0.19 | mg/Kg |
| 129-00-0 | Pyrene | 0.14 | U | 0.039 | 0.14 | 0.19 | mg/Kg |
| 56-55-3 | Benzo(a)anthracene | 0.14 | U | 0.025 | 0.14 | 0.19 | mg/Kg |
| 218-01-9 | Chrysene | 0.14 | U | 0.022 | 0.14 | 0.19 | mg/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 0.14 | U | 0.021 | 0.14 | 0.19 | mg/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 0.14 | U | 0.025 | 0.14 | 0.19 | mg/Kg |
| 50-32-8 | Benzo(a)pyrene | 0.14 | U | 0.032 | 0.14 | 0.19 | mg/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.14 | U | 0.032 | 0.14 | 0.19 | mg/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.14 | U | 0.030 | 0.14 | 0.19 | mg/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 0.14 | U | 0.028 | 0.14 | 0.19 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 95.9 | | 35 - 115 | | 64% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 99.6 | | 34 - 127 | | 66% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 61.5 | | 37 - 122 | | 62% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 56.4 | | 44 - 115 | | 56% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 106 | | 39 - 132 | | 71% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 67.8 | | 54 - 127 | | 68% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 384000 | 7.74 | | | | |
| 1146-65-2 | Naphthalene-d8 | 1670000 | 10.522 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 1140000 | 14.381 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 2380000 | 17.192 | | | | |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-PCS-TC-24-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-13 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 91.3 |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group3 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024222.D | 1 | 04/07/25 08:55 | 04/08/25 21:11 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 1719-03-5 | Chrysene-d12 | 2400000 | 21.639 | | | | |
| 1520-96-3 | Perylene-d12 | 2210000 | 25.021 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 15972608 | Alachlor | 0 | U | | | N.D | mg/Kg |

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\BP040825\
Data File : BP024222.D
Acq On : 08 Apr 2025 21:11
Operator : RC/JU
Sample : Q1730-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-24-040325

Quant Time: Apr 09 01:03:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

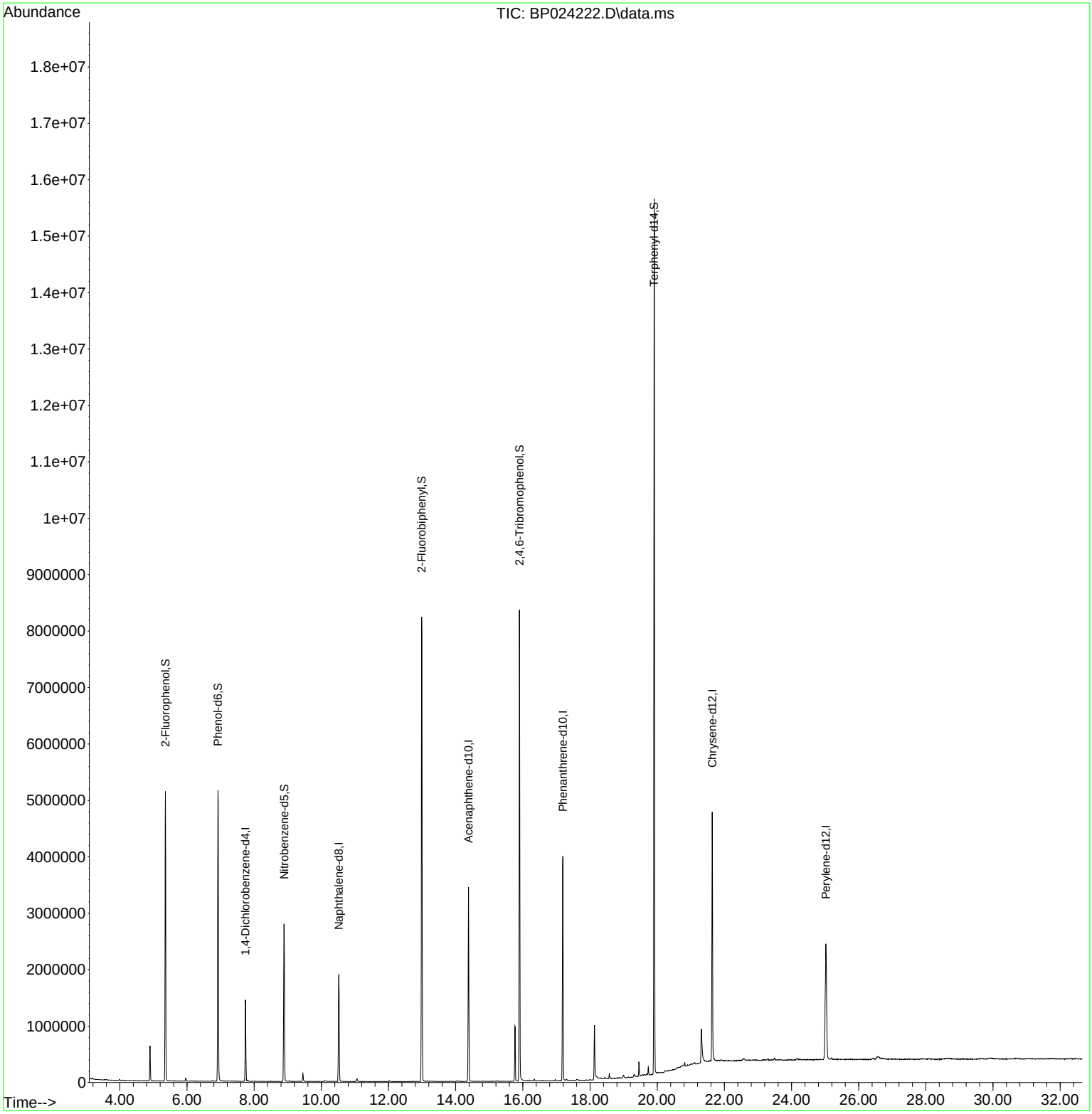
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.740 | 152 | 383991 | 20.000 | ng | -0.03 |
| 21) Naphthalene-d8 | 10.522 | 136 | 1666473 | 20.000 | ng | -0.03 |
| 39) Acenaphthene-d10 | 14.381 | 164 | 1139824 | 20.000 | ng | -0.02 |
| 64) Phenanthrene-d10 | 17.192 | 188 | 2384262 | 20.000 | ng | -0.01 |
| 76) Chrysene-d12 | 21.639 | 240 | 2400487 | 20.000 | ng | -0.02 |
| 86) Perylene-d12 | 25.021 | 264 | 2207610 | 20.000 | ng | -0.04 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.358 | 112 | 2306395 | 95.879 | ng | -0.02 |
| 7) Phenol-d6 | 6.922 | 99 | 3203849 | 99.597 | ng | -0.03 |
| 23) Nitrobenzene-d5 | 8.893 | 82 | 1816981 | 61.517 | ng | -0.03 |
| 42) 2,4,6-Tribromophenol | 15.898 | 330 | 1520784 | 105.922 | ng | -0.02 |
| 45) 2-Fluorobiphenyl | 12.987 | 172 | 4360836 | 56.414 | ng | -0.03 |
| 79) Terphenyl-d14 | 19.910 | 244 | 7880823 | 67.769 | ng | -0.01 |
| Target Compounds | | | | | | Qvalue |

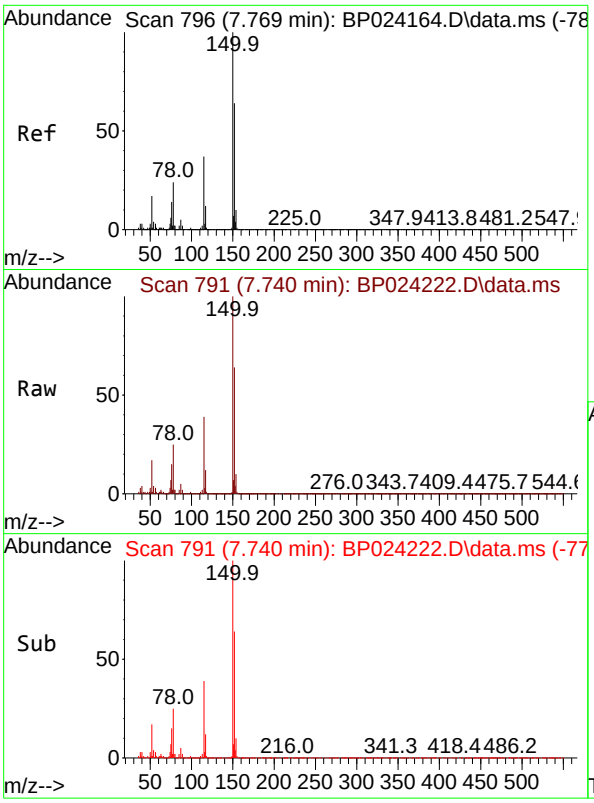
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024222.D
Acq On : 08 Apr 2025 21:11
Operator : RC/JU
Sample : Q1730-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-24-040325

Quant Time: Apr 09 01:03:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration



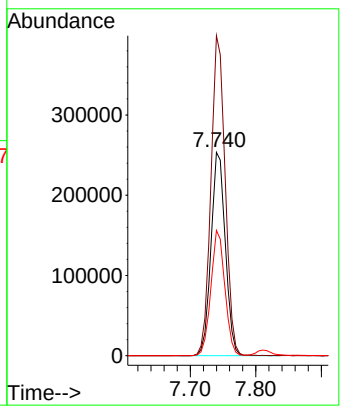


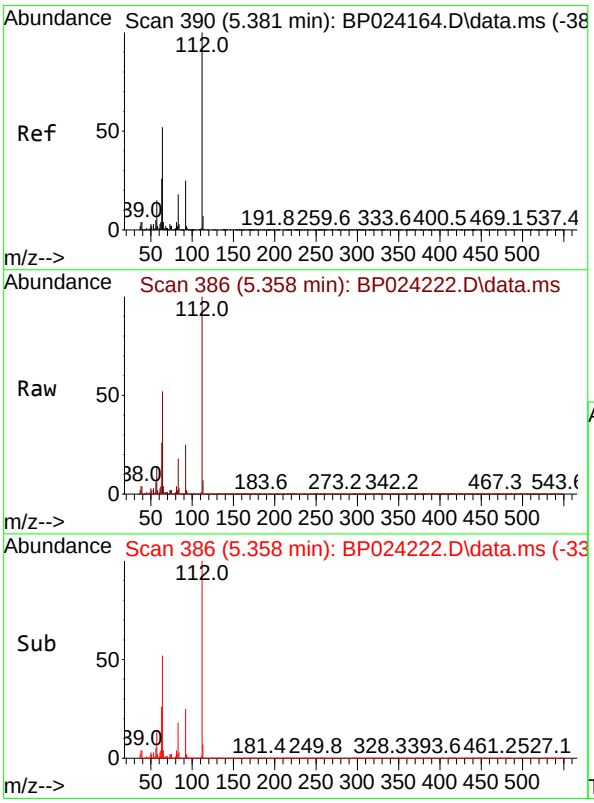

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.029 min
Lab File: BP024222.D
Acq: 08 Apr 2025 21:11

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-24-040325

Tgt Ion:152 Resp: 383991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.3 | 125.5 | 188.3 |
| 115 | 61.6 | 46.3 | 69.5 |

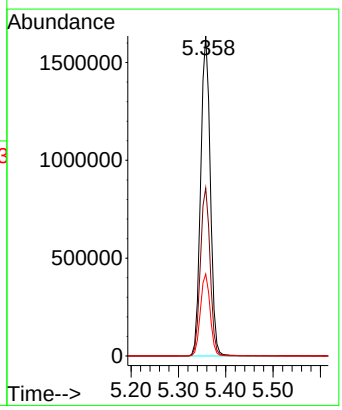


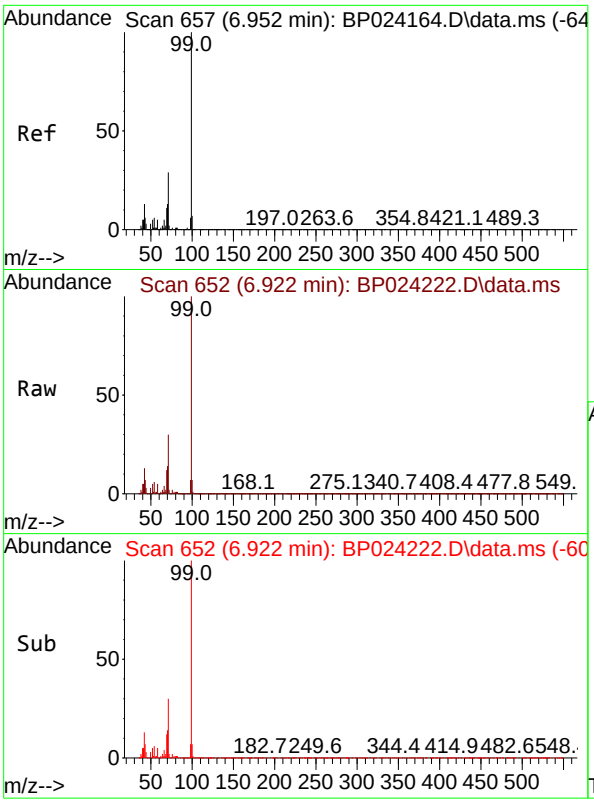




#5
2-Fluorophenol
Concen: 95.879 ng
RT: 5.358 min Scan# 386
Delta R.T. -0.024 min
Lab File: BP024222.D
Acq: 08 Apr 2025 21:11

Tgt Ion:112 Resp: 2306395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.5 | 41.3 | 61.9 |
| 63 | 25.6 | 20.6 | 31.0 |



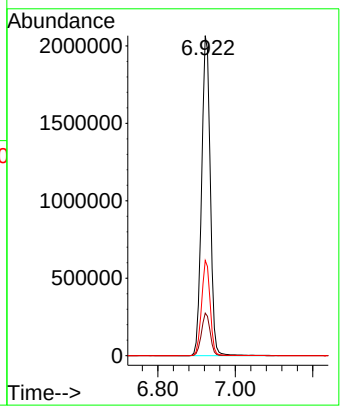


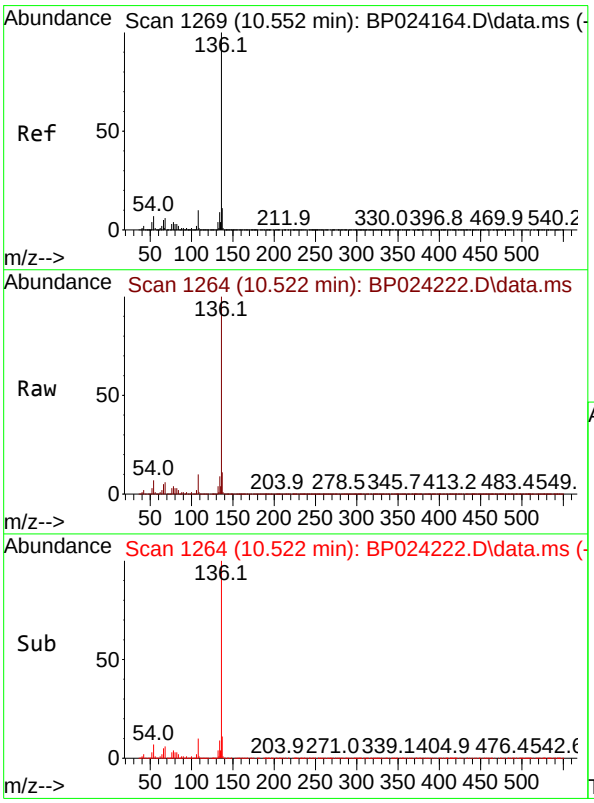

#7
Phenol-d6
Concen: 99.597 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.029 min
Lab File: BP024222.D
Acq: 08 Apr 2025 21:11

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-24-040325

Tgt Ion: 99 Resp: 3203849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.3 | 10.6 | 16.0 |
| 71 | 29.8 | 23.3 | 34.9 |

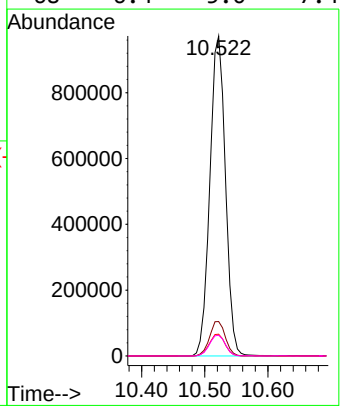


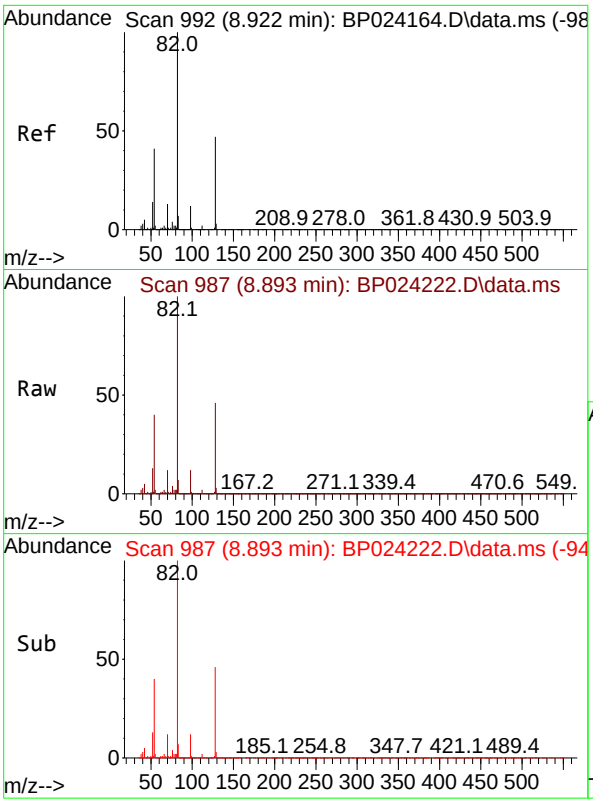




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.522 min Scan# 1264
Delta R.T. -0.029 min
Lab File: BP024222.D
Acq: 08 Apr 2025 21:11

Tgt Ion:136 Resp: 1666473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 9.0 | 13.4 |
| 54 | 6.8 | 5.3 | 7.9 |
| 68 | 6.4 | 5.0 | 7.4 |



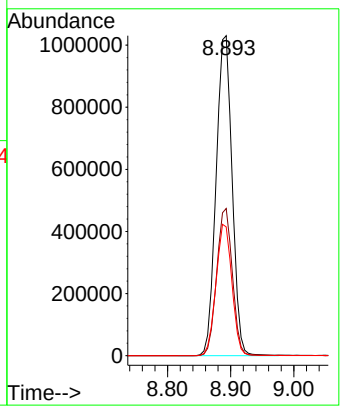


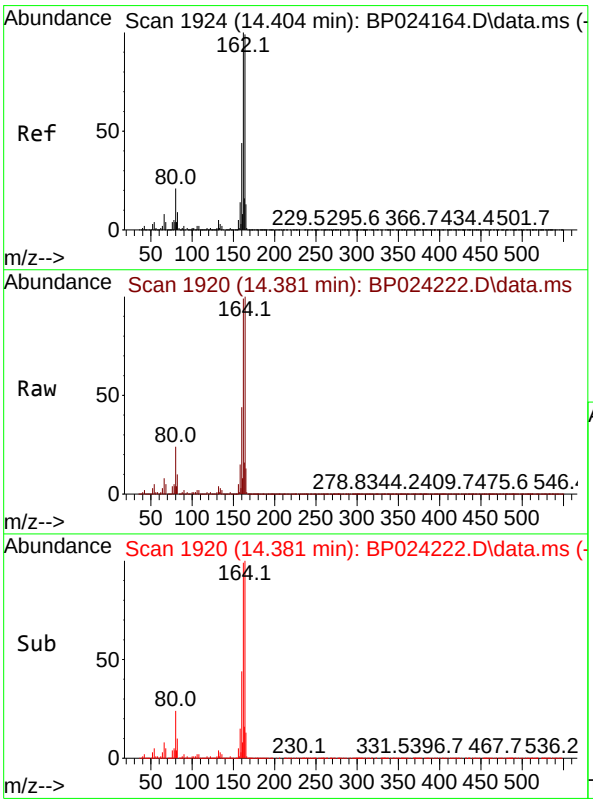

#23
Nitrobenzene-d5
Concen: 61.517 ng
RT: 8.893 min Scan# 9
Delta R.T. -0.029 min
Lab File: BP024222.D
Acq: 08 Apr 2025 21:11

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-24-040325

Tgt Ion: 82 Resp: 1816981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.0 | 37.4 | 56.0 |
| 54 | 40.2 | 32.5 | 48.7 |

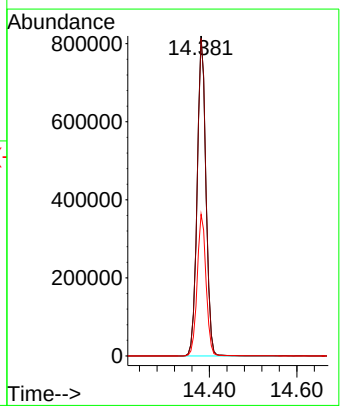


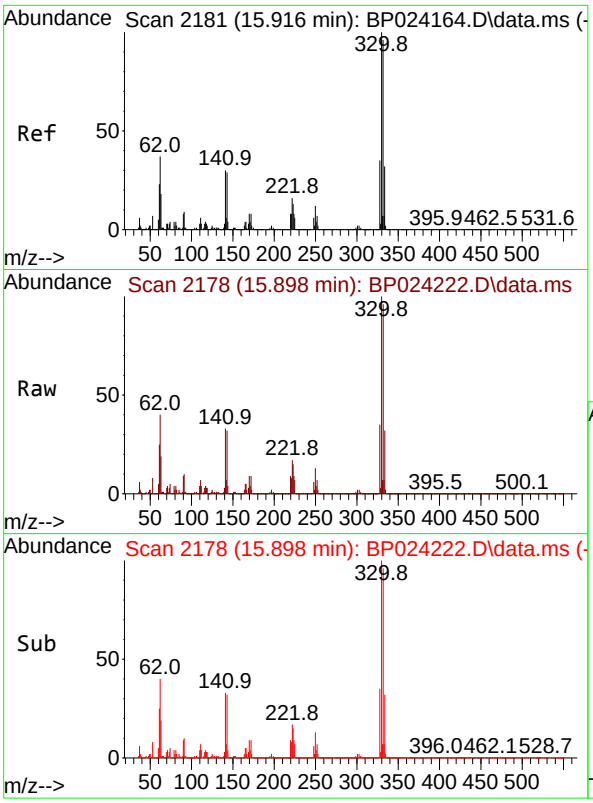




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.381 min Scan# 1920
Delta R.T. -0.024 min
Lab File: BP024222.D
Acq: 08 Apr 2025 21:11

Tgt Ion:164 Resp: 1139824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.3 | 80.6 | 121.0 |
| 160 | 44.2 | 35.4 | 53.2 |



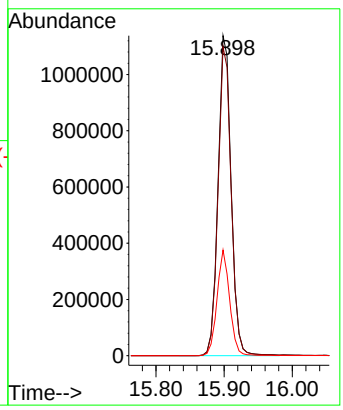


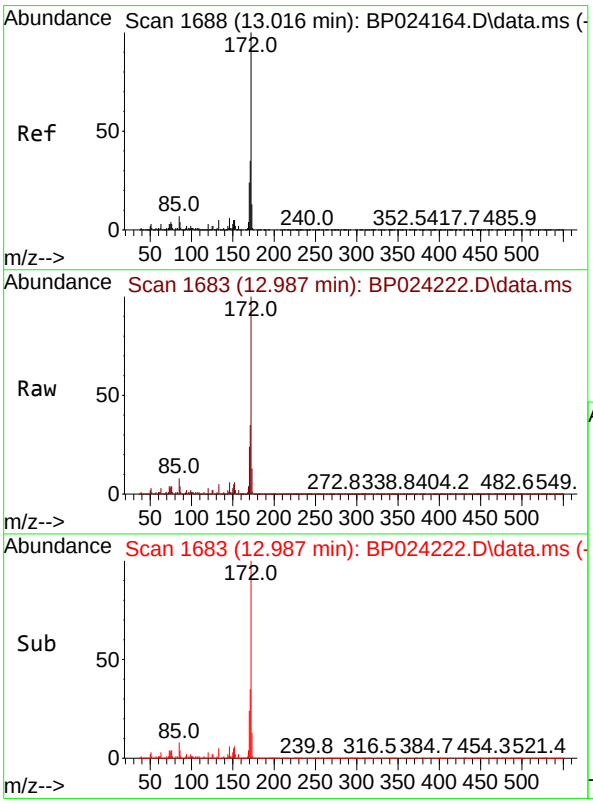

#42
2,4,6-Tribromophenol
Concen: 105.922 ng
RT: 15.898 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024222.D
Acq: 08 Apr 2025 21:11

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-24-040325

Tgt Ion:330 Resp: 1520784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.0 | 77.6 | 116.4 |
| 141 | 32.0 | 25.0 | 37.6 |

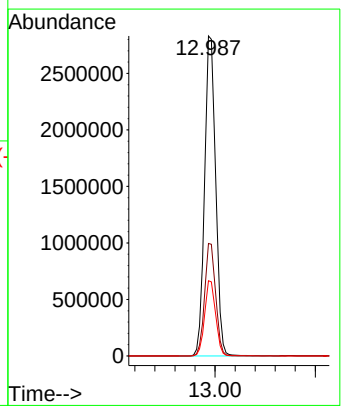


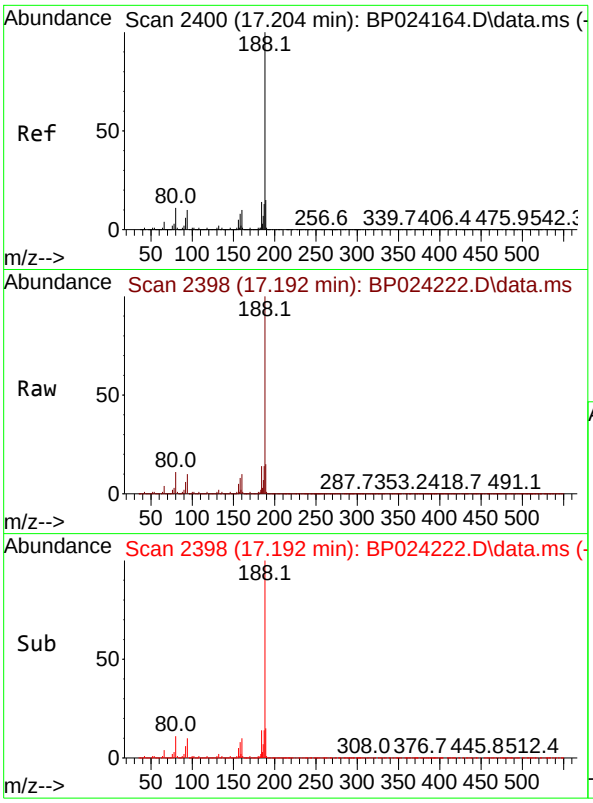




#45
2-Fluorobiphenyl
Concen: 56.414 ng
RT: 12.987 min Scan# 1683
Delta R.T. -0.029 min
Lab File: BP024222.D
Acq: 08 Apr 2025 21:11

Tgt Ion:172 Resp: 4360836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 28.3 | 42.5 |
| 170 | 23.5 | 19.0 | 28.4 |



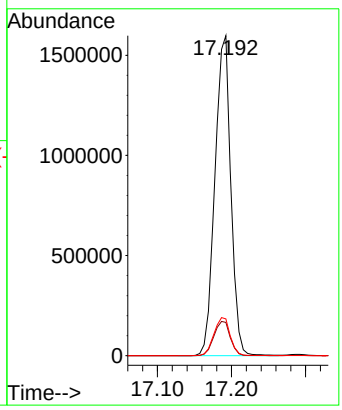


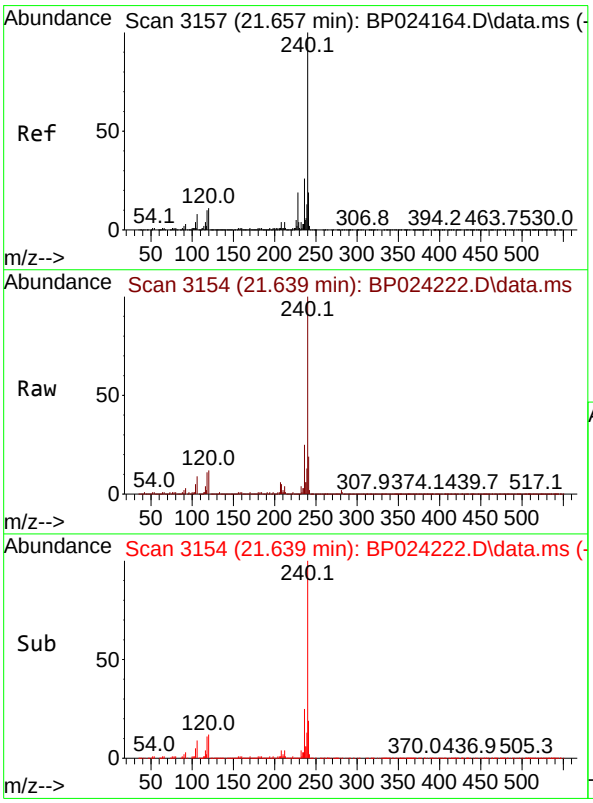

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024222.D
Acq: 08 Apr 2025 21:11

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-24-040325

Tgt Ion:188 Resp: 2384262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.4 | 8.1 | 12.1 |
| 80 | 11.5 | 8.9 | 13.3 |

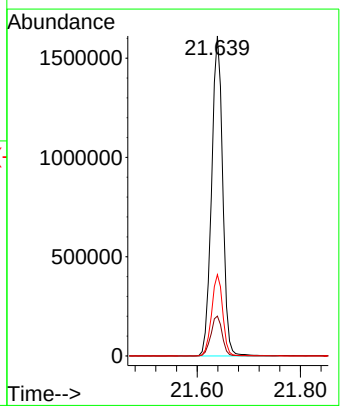


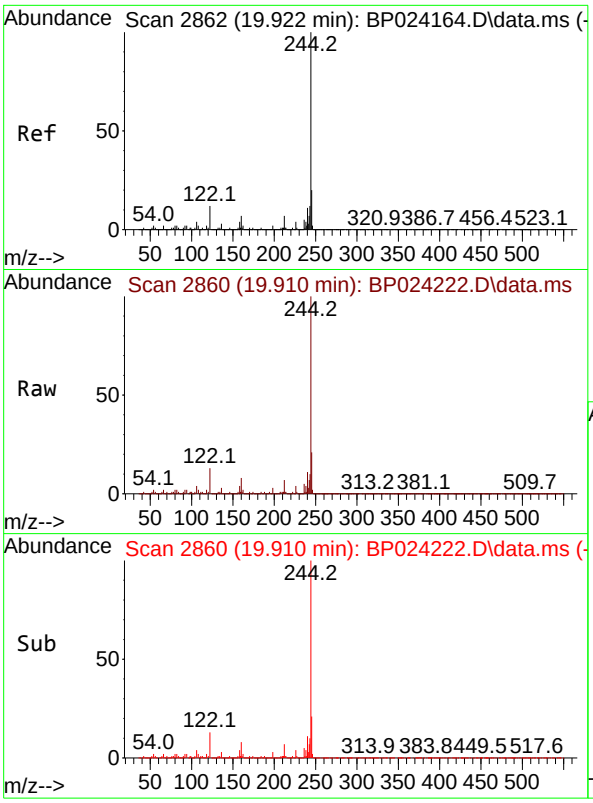




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.639 min Scan# 3154
Delta R.T. -0.018 min
Lab File: BP024222.D
Acq: 08 Apr 2025 21:11

Tgt Ion:240 Resp: 2400487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.5 | 9.2 | 13.8 |
| 236 | 25.4 | 20.4 | 30.6 |



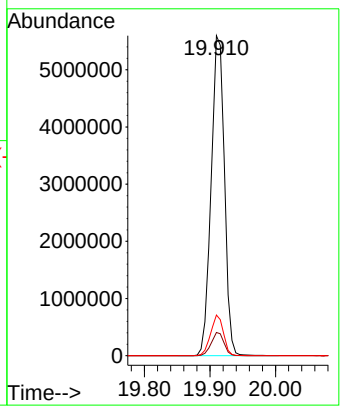


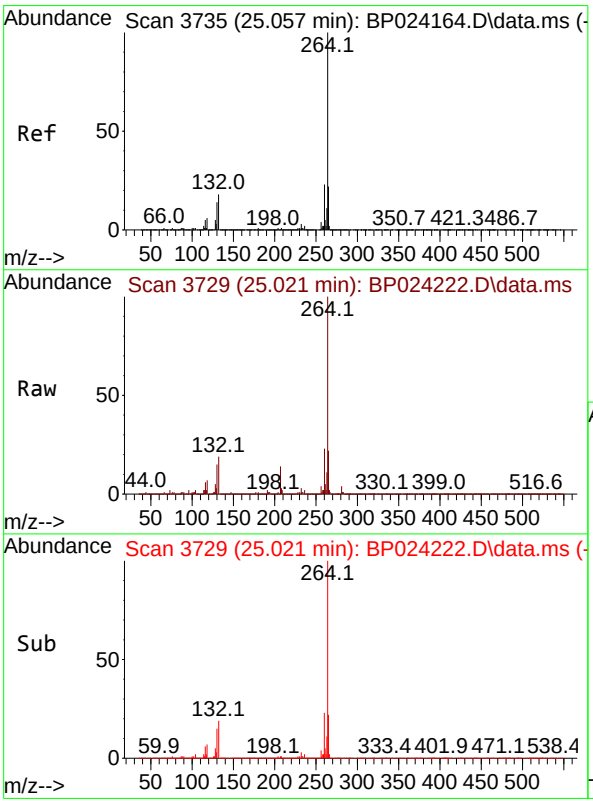

#79
Terphenyl-d14
Concen: 67.769 ng
RT: 19.910 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024222.D
Acq: 08 Apr 2025 21:11

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-24-040325

Tgt Ion:244 Resp: 7880823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.3 | 5.7 | 8.5 |
| 122 | 12.7 | 9.6 | 14.4 |

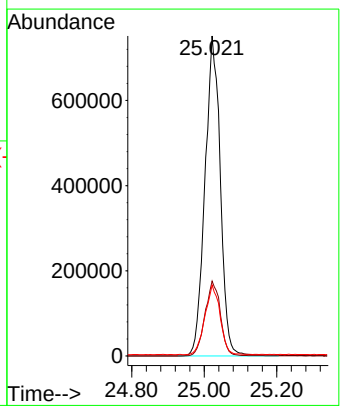



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.021 min Scan# 3729
Delta R.T. -0.035 min
Lab File: BP024222.D
Acq: 08 Apr 2025 21:11

Tgt Ion:264 Resp: 2207610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 18.5 | 27.7 |
| 265 | 22.1 | 17.7 | 26.5 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-PCS-TC-25-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-15 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 92.5 |
| Sample Wt/Vol: | 30.06 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group3 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024223.D | 1 | 04/07/25 08:55 | 04/08/25 21:52 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 91-20-3 | Naphthalene | 0.14 | U | 0.025 | 0.14 | 0.18 | mg/Kg |
| 91-57-6 | 2-Methylnaphthalene | 0.14 | U | 0.028 | 0.14 | 0.18 | mg/Kg |
| 208-96-8 | Acenaphthylene | 0.14 | U | 0.031 | 0.14 | 0.18 | mg/Kg |
| 83-32-9 | Acenaphthene | 0.14 | U | 0.023 | 0.14 | 0.18 | mg/Kg |
| 86-73-7 | Fluorene | 0.14 | U | 0.027 | 0.14 | 0.18 | mg/Kg |
| 85-01-8 | Phenanthrene | 0.14 | U | 0.023 | 0.14 | 0.18 | mg/Kg |
| 120-12-7 | Anthracene | 0.14 | U | 0.036 | 0.14 | 0.18 | mg/Kg |
| 206-44-0 | Fluoranthene | 0.14 | U | 0.032 | 0.14 | 0.18 | mg/Kg |
| 129-00-0 | Pyrene | 0.14 | U | 0.039 | 0.14 | 0.18 | mg/Kg |
| 56-55-3 | Benzo(a)anthracene | 0.14 | U | 0.025 | 0.14 | 0.18 | mg/Kg |
| 218-01-9 | Chrysene | 0.14 | U | 0.022 | 0.14 | 0.18 | mg/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 0.14 | U | 0.021 | 0.14 | 0.18 | mg/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 0.14 | U | 0.024 | 0.14 | 0.18 | mg/Kg |
| 50-32-8 | Benzo(a)pyrene | 0.14 | U | 0.032 | 0.14 | 0.18 | mg/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.14 | U | 0.031 | 0.14 | 0.18 | mg/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.14 | U | 0.030 | 0.14 | 0.18 | mg/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 0.14 | U | 0.028 | 0.14 | 0.18 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 101 | | 35 - 115 | | 67% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 106 | | 34 - 127 | | 71% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 64.2 | | 37 - 122 | | 64% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 58.1 | | 44 - 115 | | 58% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 117 | | 39 - 132 | | 78% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 62.7 | | 54 - 127 | | 63% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 229000 | 7.74 | | | | |
| 1146-65-2 | Naphthalene-d8 | 1020000 | 10.522 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 745000 | 14.381 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 1780000 | 17.181 | | | | |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-PCS-TC-25-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-15 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 92.5 |
| Sample Wt/Vol: | 30.06 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group3 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024223.D | 1 | 04/07/25 08:55 | 04/08/25 21:52 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 1719-03-5 | Chrysene-d12 | 2340000 | 21.627 | | | | |
| 1520-96-3 | Perylene-d12 | 2620000 | 25.004 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 15972608 | Alachlor | 0 | U | | | N.D | mg/Kg |

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\BP040825\
Data File : BP024223.D
Acq On : 08 Apr 2025 21:52
Operator : RC/JU
Sample : Q1730-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-25-040325

Quant Time: Apr 09 01:03:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

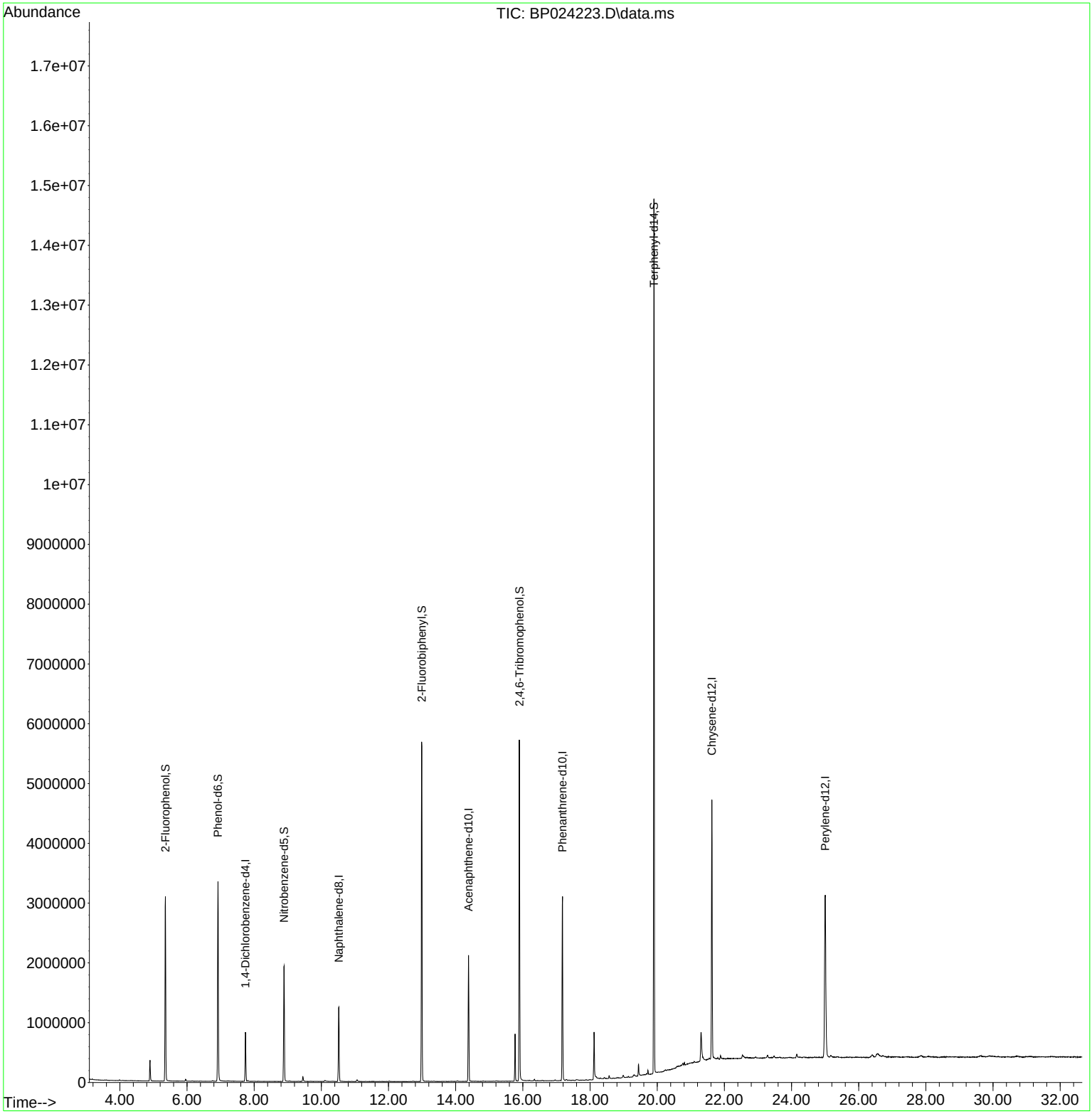
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.740 | 152 | 229471 | 20.000 | ng | -0.03 |
| 21) Naphthalene-d8 | 10.522 | 136 | 1019602 | 20.000 | ng | -0.03 |
| 39) Acenaphthene-d10 | 14.381 | 164 | 744658 | 20.000 | ng | -0.02 |
| 64) Phenanthrene-d10 | 17.181 | 188 | 1784732 | 20.000 | ng | -0.02 |
| 76) Chrysene-d12 | 21.627 | 240 | 2340680 | 20.000 | ng | -0.03 |
| 86) Perylene-d12 | 25.004 | 264 | 2624543 | 20.000 | ng | -0.05 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.358 | 112 | 1447148 | 100.669 | ng | -0.02 |
| 7) Phenol-d6 | 6.922 | 99 | 2043195 | 106.286 | ng | -0.03 |
| 23) Nitrobenzene-d5 | 8.887 | 82 | 1159382 | 64.156 | ng | -0.04 |
| 42) 2,4,6-Tribromophenol | 15.898 | 330 | 1097071 | 116.960 | ng | -0.02 |
| 45) 2-Fluorobiphenyl | 12.993 | 172 | 2936041 | 58.138 | ng | -0.02 |
| 79) Terphenyl-d14 | 19.904 | 244 | 7113676 | 62.735 | ng | -0.02 |
| Target Compounds | | | | | | Qvalue |

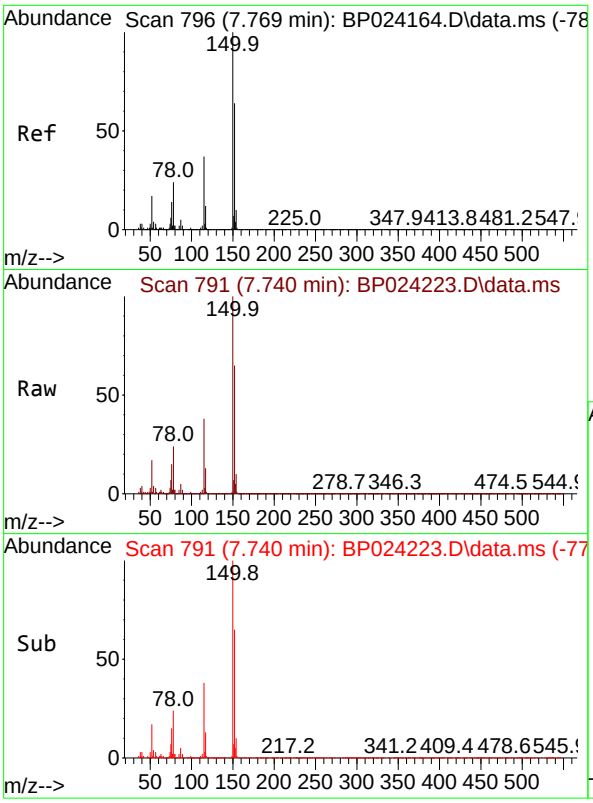
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024223.D
Acq On : 08 Apr 2025 21:52
Operator : RC/JU
Sample : Q1730-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-25-040325

Quant Time: Apr 09 01:03:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration



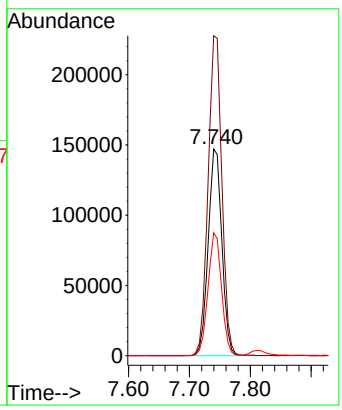


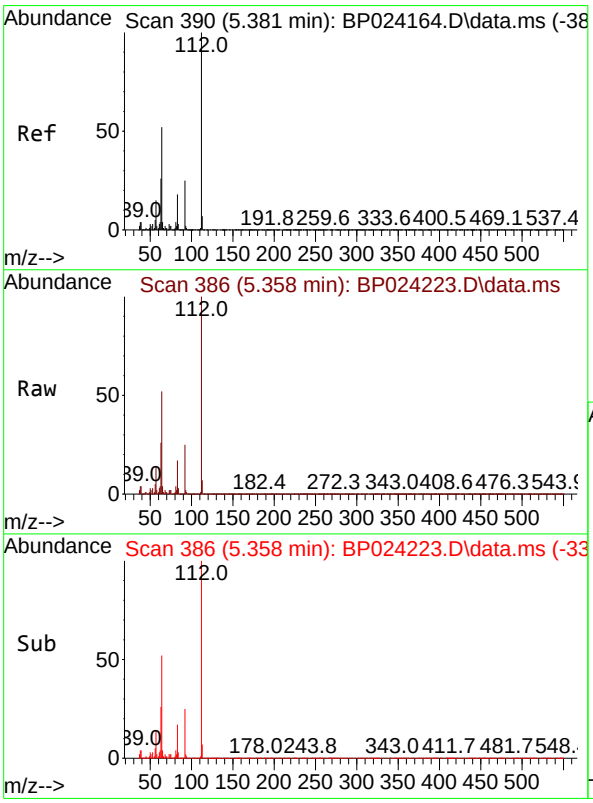

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.029 min
Lab File: BP024223.D
Acq: 08 Apr 2025 21:52

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-25-040325

Tgt Ion:152 Resp: 229471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.8 | 125.5 | 188.3 |
| 115 | 59.4 | 46.3 | 69.5 |

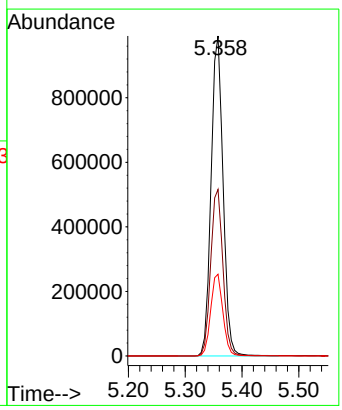


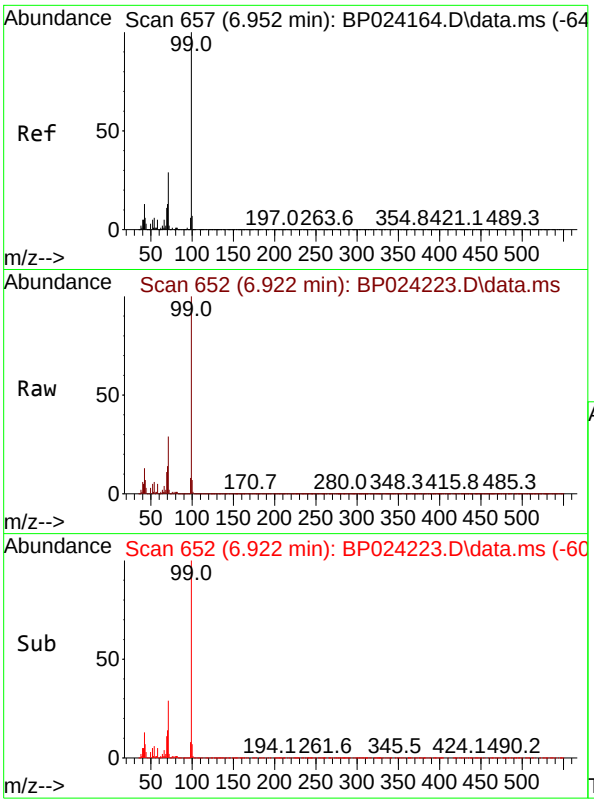




#5
2-Fluorophenol
Concen: 100.669 ng
RT: 5.358 min Scan# 386
Delta R.T. -0.024 min
Lab File: BP024223.D
Acq: 08 Apr 2025 21:52

Tgt Ion:112 Resp: 1447148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.0 | 41.3 | 61.9 |
| 63 | 25.5 | 20.6 | 31.0 |



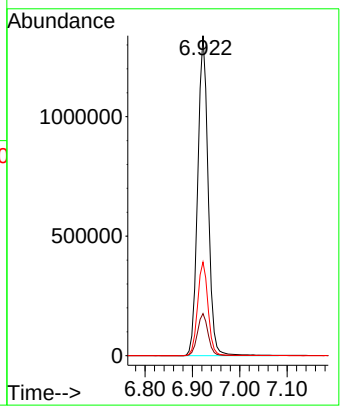


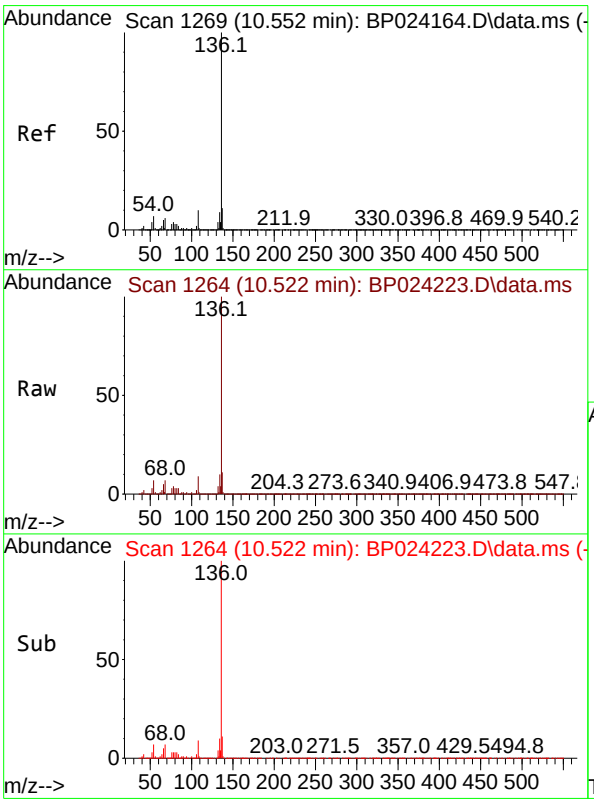

#7
Phenol-d6
Concen: 106.286 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.030 min
Lab File: BP024223.D
Acq: 08 Apr 2025 21:52

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-25-040325

Tgt Ion: 99 Resp: 2043195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.2 | 10.6 | 16.0 |
| 71 | 29.3 | 23.3 | 34.9 |

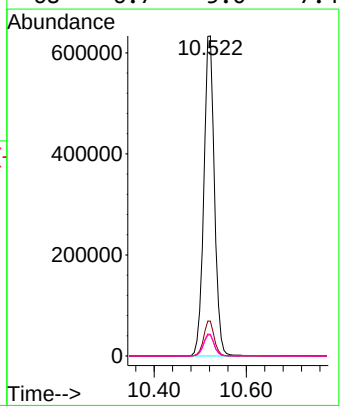


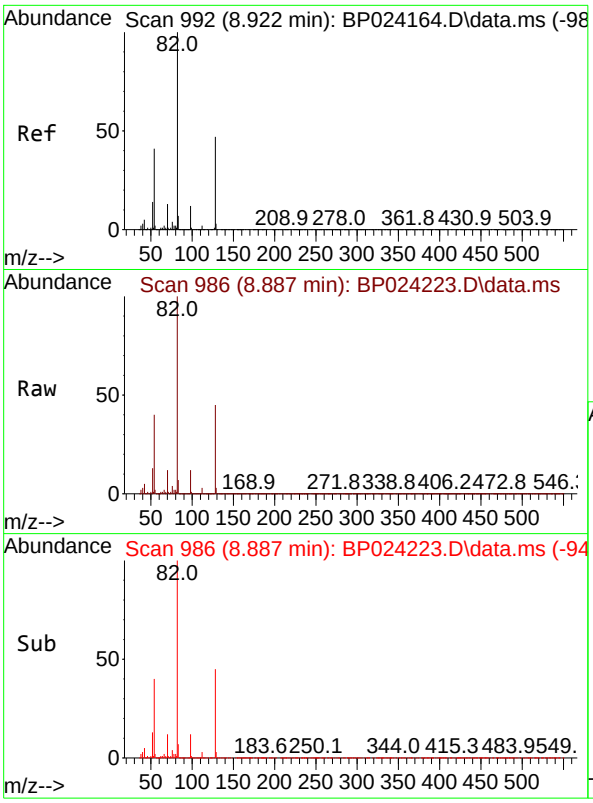




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.522 min Scan# 1264
Delta R.T. -0.030 min
Lab File: BP024223.D
Acq: 08 Apr 2025 21:52

Tgt Ion:136 Resp: 1019602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.0 | 13.4 |
| 54 | 6.8 | 5.3 | 7.9 |
| 68 | 6.7 | 5.0 | 7.4 |



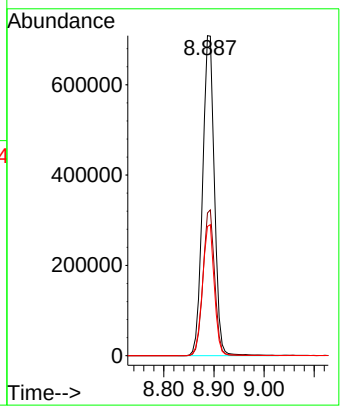


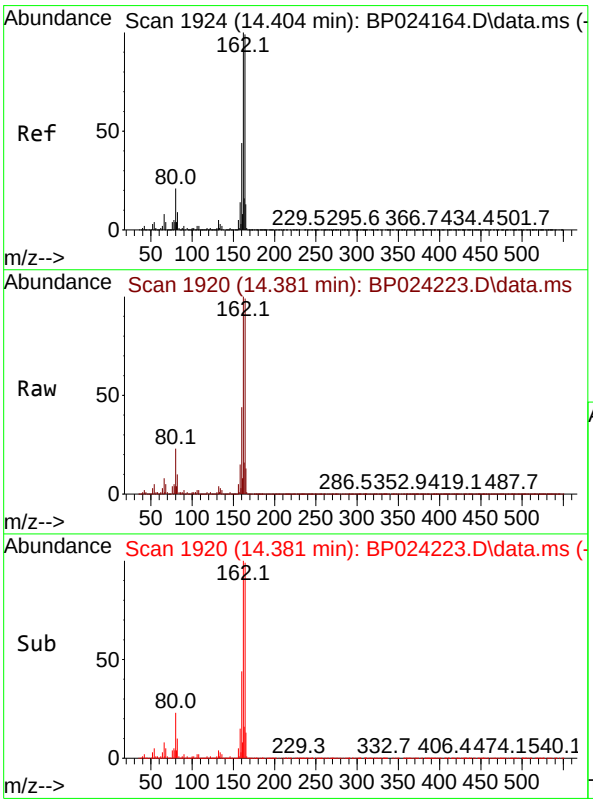

#23
Nitrobenzene-d5
Concen: 64.156 ng
RT: 8.887 min Scan# 9
Delta R.T. -0.035 min
Lab File: BP024223.D
Acq: 08 Apr 2025 21:52

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-25-040325

Tgt Ion: 82 Resp: 1159382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.6 | 37.4 | 56.0 |
| 54 | 40.4 | 32.5 | 48.7 |

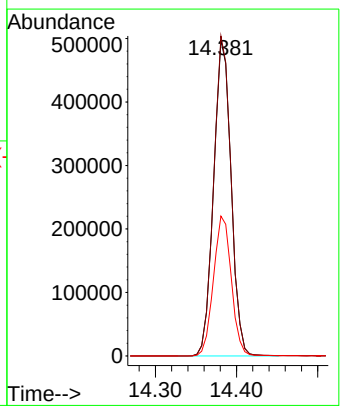


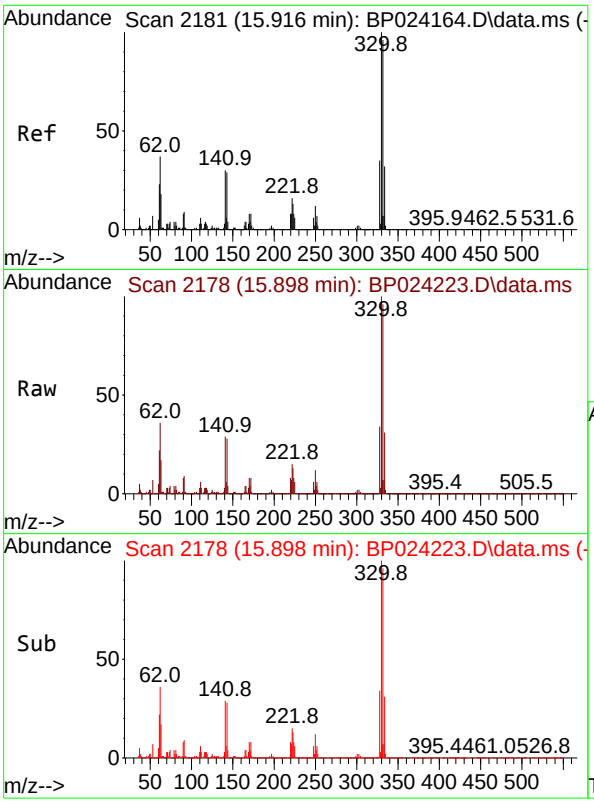




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.381 min Scan# 1920
Delta R.T. -0.024 min
Lab File: BP024223.D
Acq: 08 Apr 2025 21:52

Tgt Ion:164 Resp: 744658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.3 | 80.6 | 121.0 |
| 160 | 44.3 | 35.4 | 53.2 |



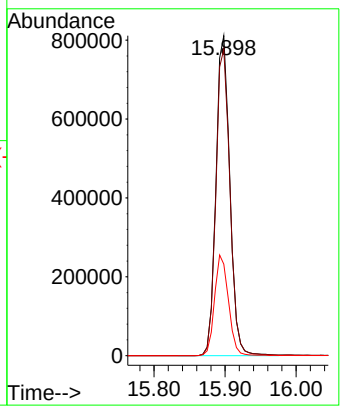


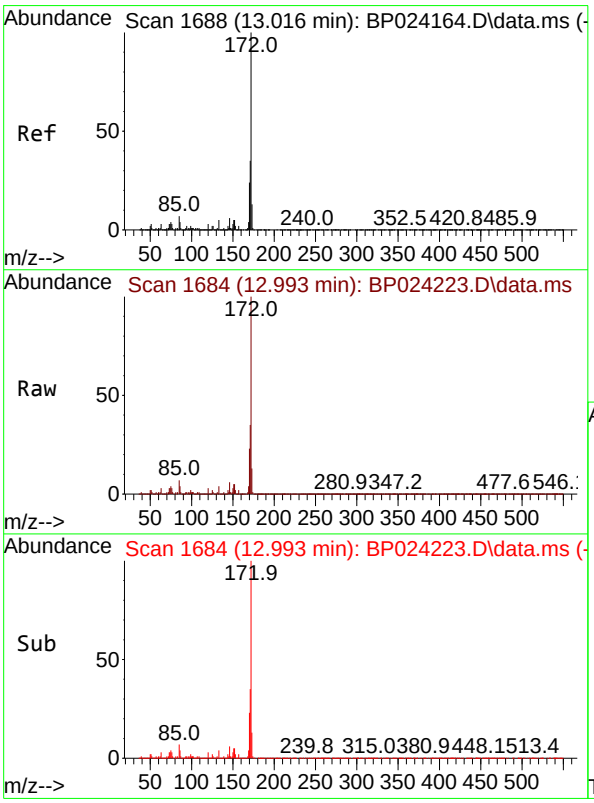

#42
2,4,6-Tribromophenol
Concen: 116.960 ng
RT: 15.898 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024223.D
Acq: 08 Apr 2025 21:52

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-25-040325

Tgt Ion:330 Resp: 1097071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.0 | 77.6 | 116.4 |
| 141 | 31.7 | 25.0 | 37.6 |

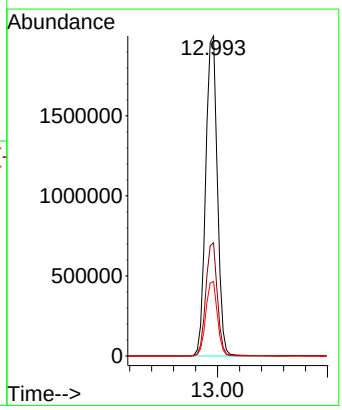


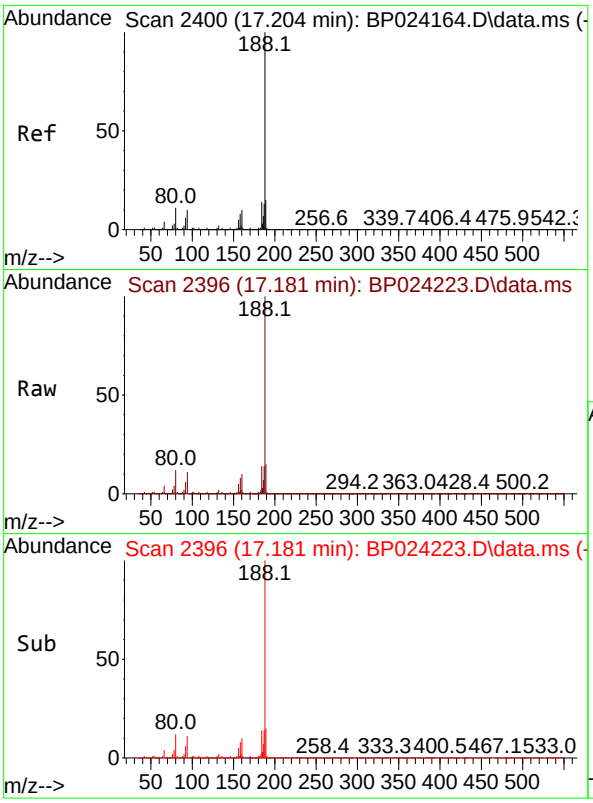




#45
2-Fluorobiphenyl
Concen: 58.138 ng
RT: 12.993 min Scan# 1684
Delta R.T. -0.024 min
Lab File: BP024223.D
Acq: 08 Apr 2025 21:52

Tgt Ion:172 Resp: 2936041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 28.3 | 42.5 |
| 170 | 23.3 | 19.0 | 28.4 |



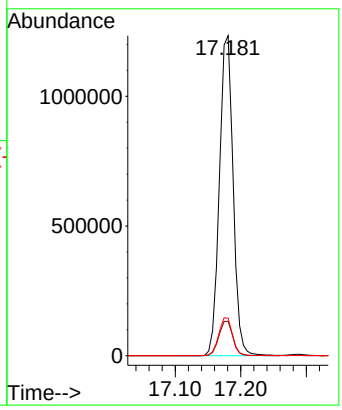


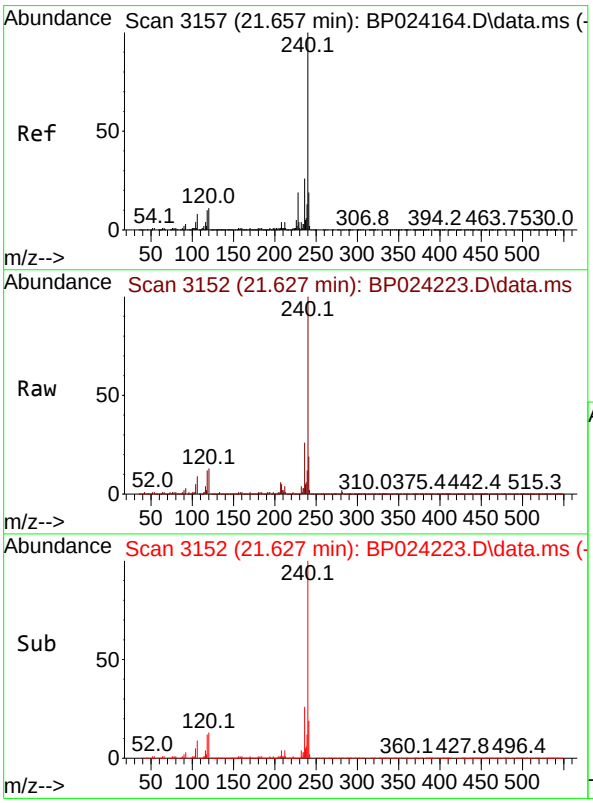

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.181 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP024223.D
Acq: 08 Apr 2025 21:52

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-25-040325

Tgt Ion:188 Resp: 1784732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.7 | 8.1 | 12.1 |
| 80 | 11.7 | 8.9 | 13.3 |

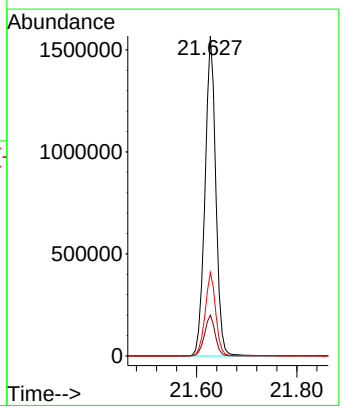


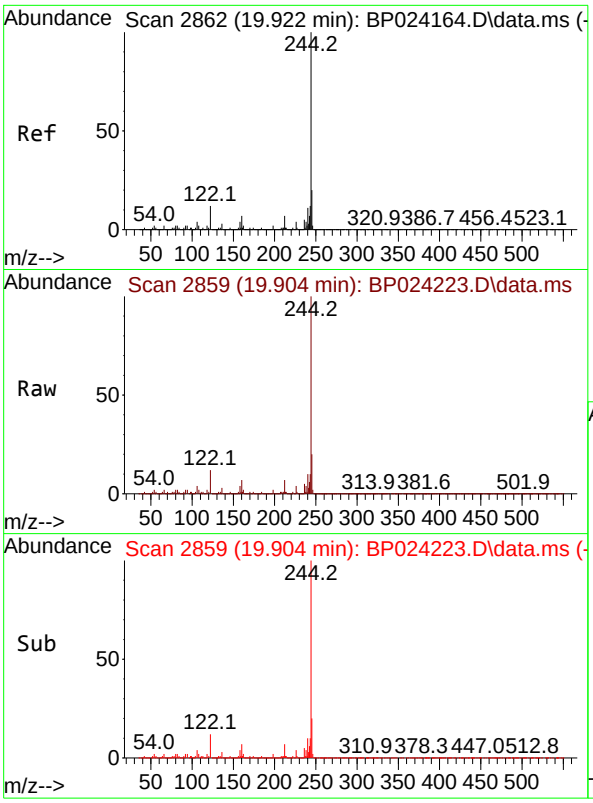




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.627 min Scan# 3152
Delta R.T. -0.030 min
Lab File: BP024223.D
Acq: 08 Apr 2025 21:52

Tgt Ion:240 Resp: 2340680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.7 | 9.2 | 13.8 |
| 236 | 26.1 | 20.4 | 30.6 |



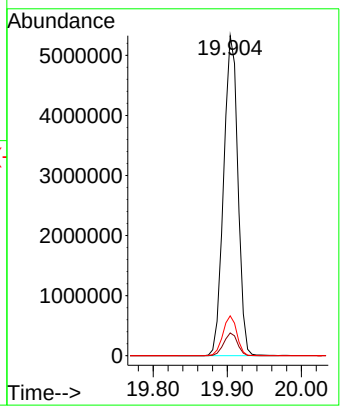


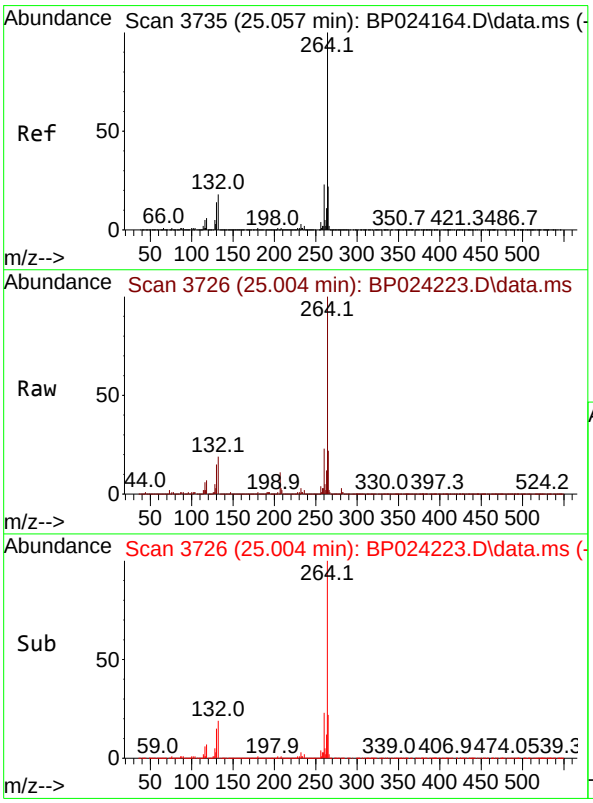

#79
Terphenyl-d14
Concen: 62.735 ng
RT: 19.904 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024223.D
Acq: 08 Apr 2025 21:52

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-25-040325

Tgt Ion:244 Resp: 7113676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.7 | 8.5 |
| 122 | 12.5 | 9.6 | 14.4 |

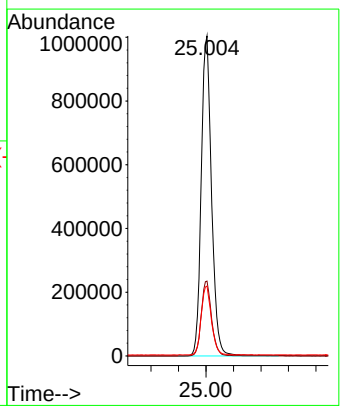



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.004 min Scan# 3726
Delta R.T. -0.053 min
Lab File: BP024223.D
Acq: 08 Apr 2025 21:52

Tgt Ion:264 Resp: 2624543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 18.5 | 27.7 |
| 265 | 21.9 | 17.7 | 26.5 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-PCS-TC-26-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-17 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 92.1 |
| Sample Wt/Vol: | 30.04 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group3 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024224.D | 1 | 04/07/25 08:55 | 04/08/25 22:33 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 91-20-3 | Naphthalene | 0.14 | U | 0.025 | 0.14 | 0.18 | mg/Kg |
| 91-57-6 | 2-Methylnaphthalene | 0.14 | U | 0.028 | 0.14 | 0.18 | mg/Kg |
| 208-96-8 | Acenaphthylene | 0.14 | U | 0.031 | 0.14 | 0.18 | mg/Kg |
| 83-32-9 | Acenaphthene | 0.14 | U | 0.023 | 0.14 | 0.18 | mg/Kg |
| 86-73-7 | Fluorene | 0.14 | U | 0.027 | 0.14 | 0.18 | mg/Kg |
| 85-01-8 | Phenanthrene | 0.14 | U | 0.023 | 0.14 | 0.18 | mg/Kg |
| 120-12-7 | Anthracene | 0.14 | U | 0.036 | 0.14 | 0.18 | mg/Kg |
| 206-44-0 | Fluoranthene | 0.14 | U | 0.033 | 0.14 | 0.18 | mg/Kg |
| 129-00-0 | Pyrene | 0.14 | U | 0.039 | 0.14 | 0.18 | mg/Kg |
| 56-55-3 | Benzo(a)anthracene | 0.14 | U | 0.025 | 0.14 | 0.18 | mg/Kg |
| 218-01-9 | Chrysene | 0.14 | U | 0.022 | 0.14 | 0.18 | mg/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 0.14 | U | 0.021 | 0.14 | 0.18 | mg/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 0.14 | U | 0.024 | 0.14 | 0.18 | mg/Kg |
| 50-32-8 | Benzo(a)pyrene | 0.14 | U | 0.032 | 0.14 | 0.18 | mg/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.14 | U | 0.032 | 0.14 | 0.18 | mg/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.14 | U | 0.030 | 0.14 | 0.18 | mg/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 0.14 | U | 0.028 | 0.14 | 0.18 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 110 | | 35 - 115 | | 74% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 105 | | 34 - 127 | | 70% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 74.0 | | 37 - 122 | | 74% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 72.0 | | 44 - 115 | | 72% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 113 | | 39 - 132 | | 75% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 73.7 | | 54 - 127 | | 74% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 381000 | 7.74 | | | | |
| 1146-65-2 | Naphthalene-d8 | 1490000 | 10.522 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 856000 | 14.375 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 1630000 | 17.187 | | | | |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-PCS-TC-26-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-17 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 92.1 |
| Sample Wt/Vol: | 30.04 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group3 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024224.D | 1 | 04/07/25 08:55 | 04/08/25 22:33 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 1719-03-5 | Chrysene-d12 | 1730000 | 21.633 | | | | |
| 1520-96-3 | Perylene-d12 | 1820000 | 25.01 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 15972608 | Alachlor | 0 | U | | | N D | mg/Kg |

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\BP040825\
Data File : BP024224.D
Acq On : 08 Apr 2025 22:33
Operator : RC/JU
Sample : Q1730-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-26-040325

Quant Time: Apr 09 01:03:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

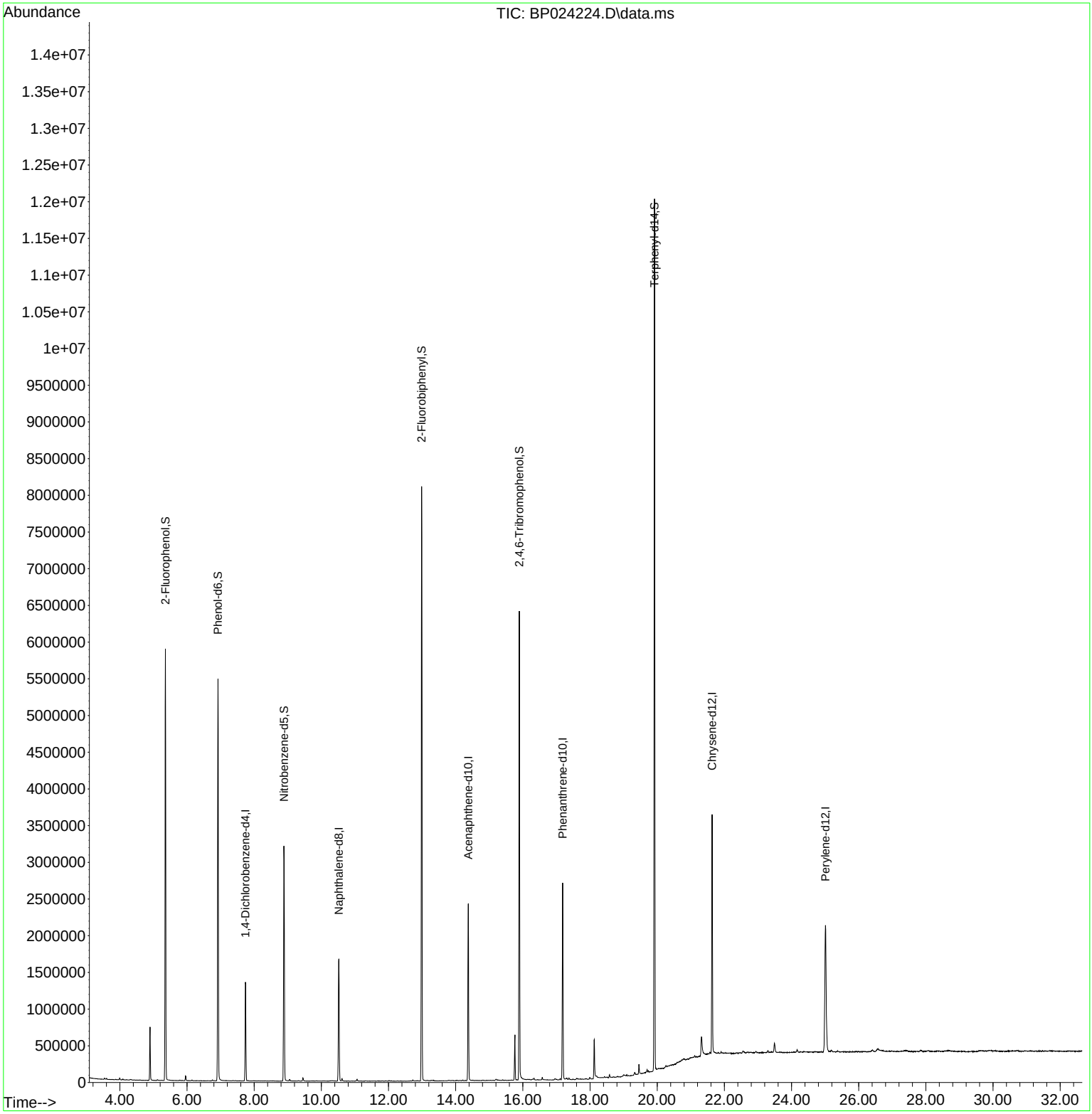
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.740 | 152 | 380917 | 20.000 | ng | -0.03 |
| 21) Naphthalene-d8 | 10.522 | 136 | 1487334 | 20.000 | ng | -0.03 |
| 39) Acenaphthene-d10 | 14.375 | 164 | 855561 | 20.000 | ng | -0.03 |
| 64) Phenanthrene-d10 | 17.187 | 188 | 1625029 | 20.000 | ng | -0.02 |
| 76) Chrysene-d12 | 21.633 | 240 | 1730314 | 20.000 | ng | -0.02 |
| 86) Perylene-d12 | 25.010 | 264 | 1816084 | 20.000 | ng | -0.05 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.358 | 112 | 2635990 | 110.465 | ng | -0.02 |
| 7) Phenol-d6 | 6.922 | 99 | 3344484 | 104.808 | ng | -0.03 |
| 23) Nitrobenzene-d5 | 8.887 | 82 | 1951811 | 74.041 | ng | -0.04 |
| 42) 2,4,6-Tribromophenol | 15.893 | 330 | 1216755 | 112.904 | ng | -0.02 |
| 45) 2-Fluorobiphenyl | 12.987 | 172 | 4176698 | 71.984 | ng | -0.03 |
| 79) Terphenyl-d14 | 19.922 | 244 | 6178706 | 73.710 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |

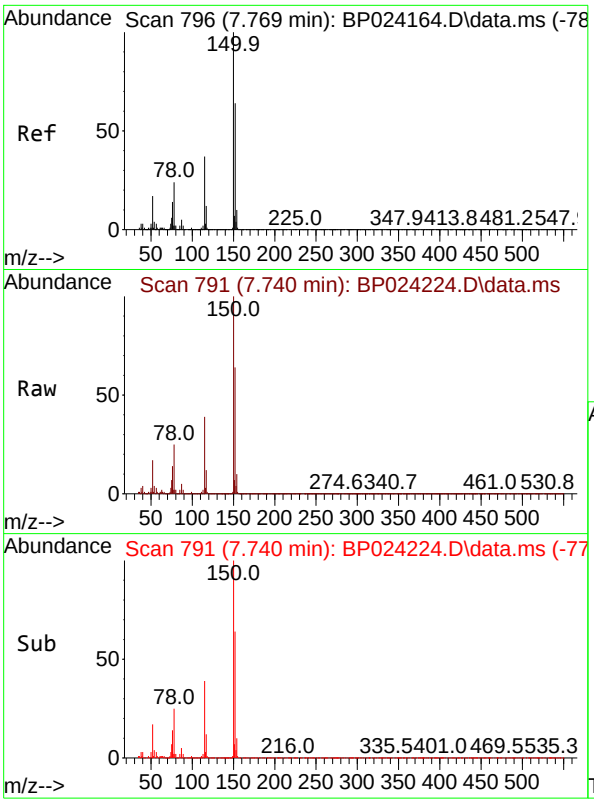
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024224.D
Acq On : 08 Apr 2025 22:33
Operator : RC/JU
Sample : Q1730-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-26-040325

Quant Time: Apr 09 01:03:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration



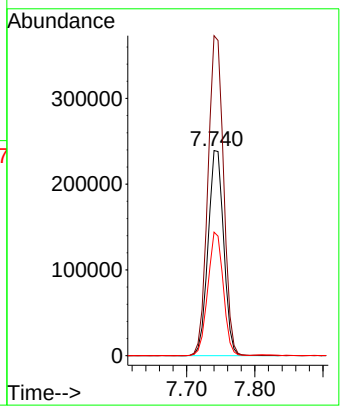


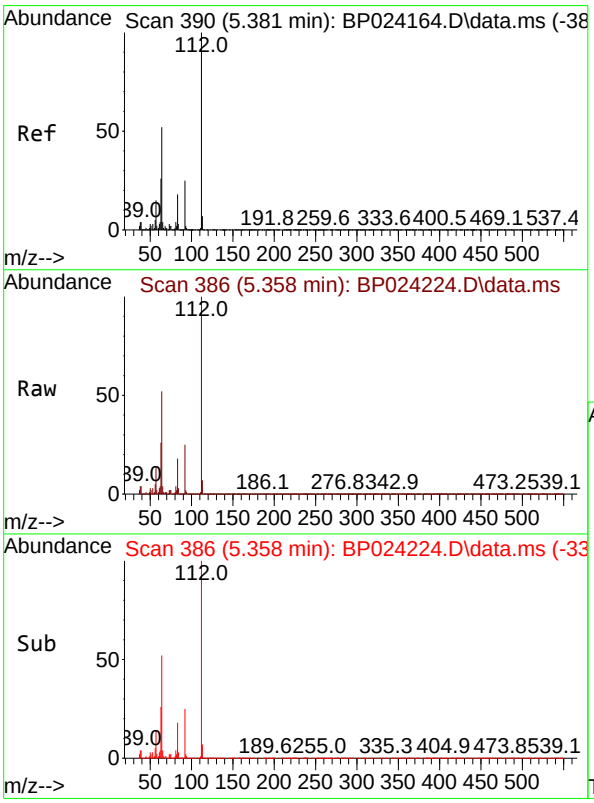

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.029 min
Lab File: BP024224.D
Acq: 08 Apr 2025 22:33

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-26-040325

Tgt Ion:152 Resp: 380917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.0 | 125.5 | 188.3 |
| 115 | 60.2 | 46.3 | 69.5 |

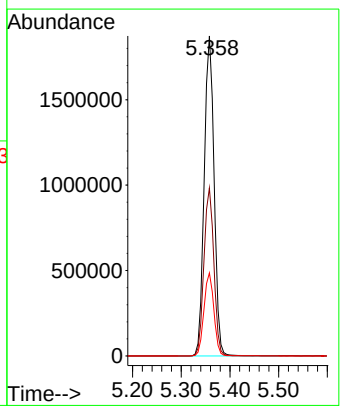


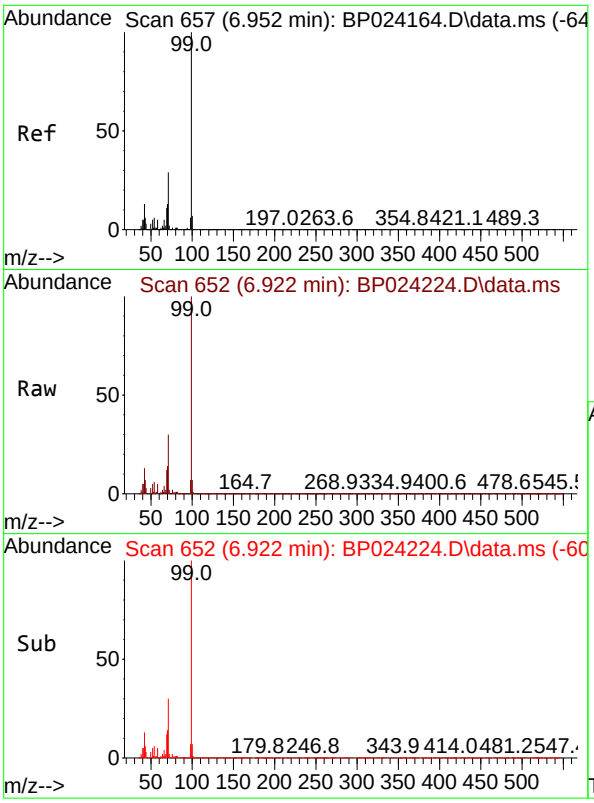




#5
2-Fluorophenol
Concen: 110.465 ng
RT: 5.358 min Scan# 386
Delta R.T. -0.023 min
Lab File: BP024224.D
Acq: 08 Apr 2025 22:33

Tgt Ion:112 Resp: 2635990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.5 | 41.3 | 61.9 |
| 63 | 25.9 | 20.6 | 31.0 |



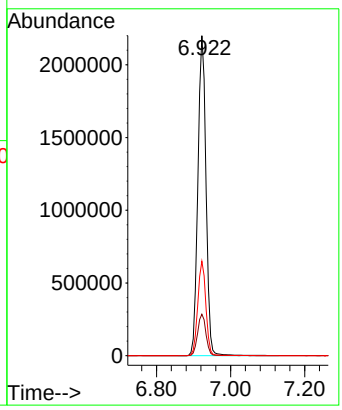


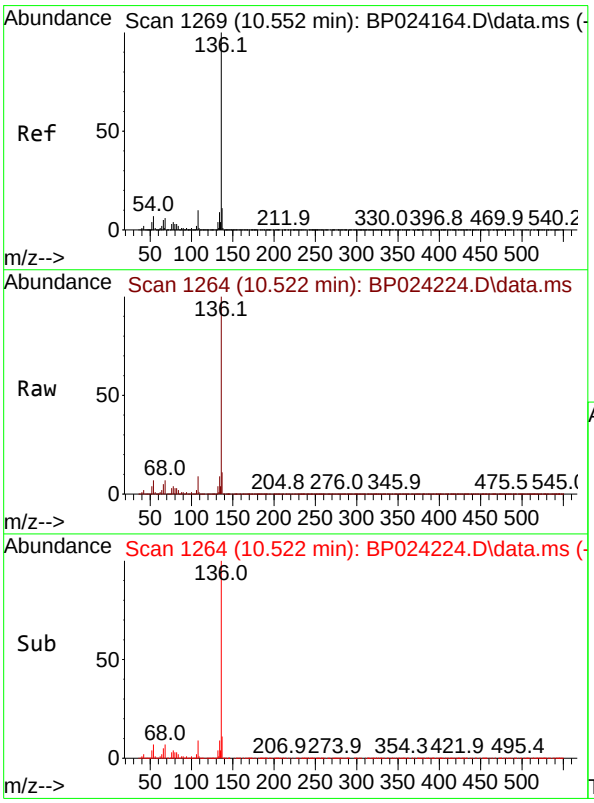

#7
Phenol-d6
Concen: 104.808 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.029 min
Lab File: BP024224.D
Acq: 08 Apr 2025 22:33

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-26-040325

Tgt Ion: 99 Resp: 3344484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.0 | 10.6 | 16.0 |
| 71 | 29.5 | 23.3 | 34.9 |

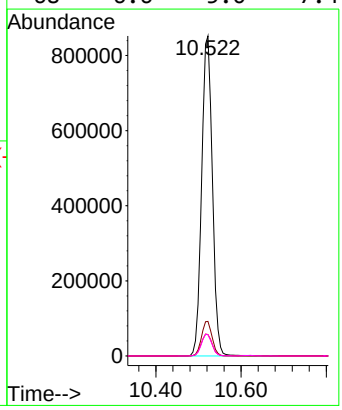


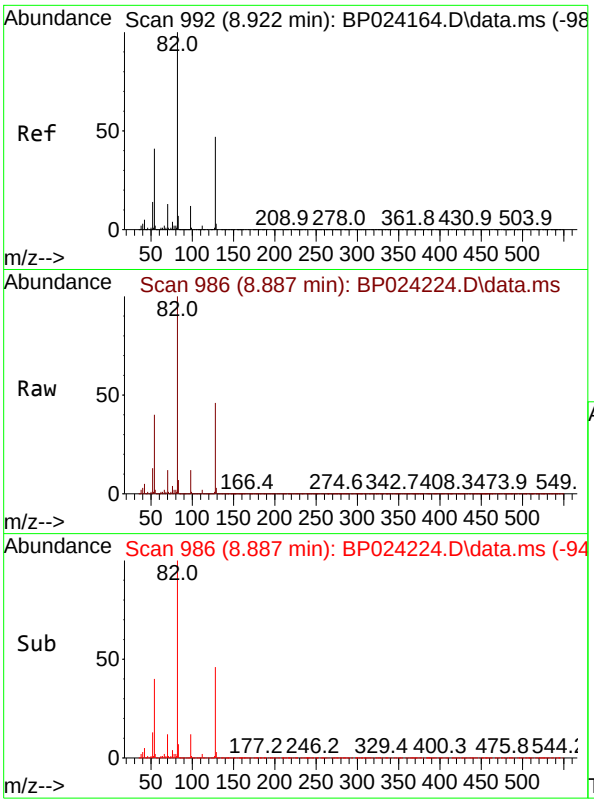




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.522 min Scan# 1264
Delta R.T. -0.029 min
Lab File: BP024224.D
Acq: 08 Apr 2025 22:33

Tgt Ion:136 Resp: 1487334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 9.0 | 13.4 |
| 54 | 6.7 | 5.3 | 7.9 |
| 68 | 6.6 | 5.0 | 7.4 |



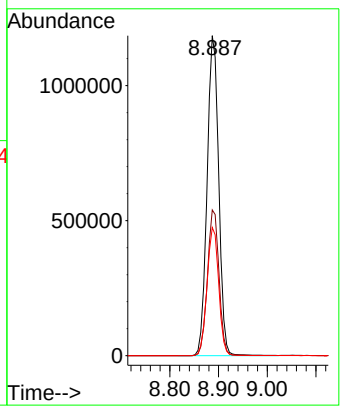


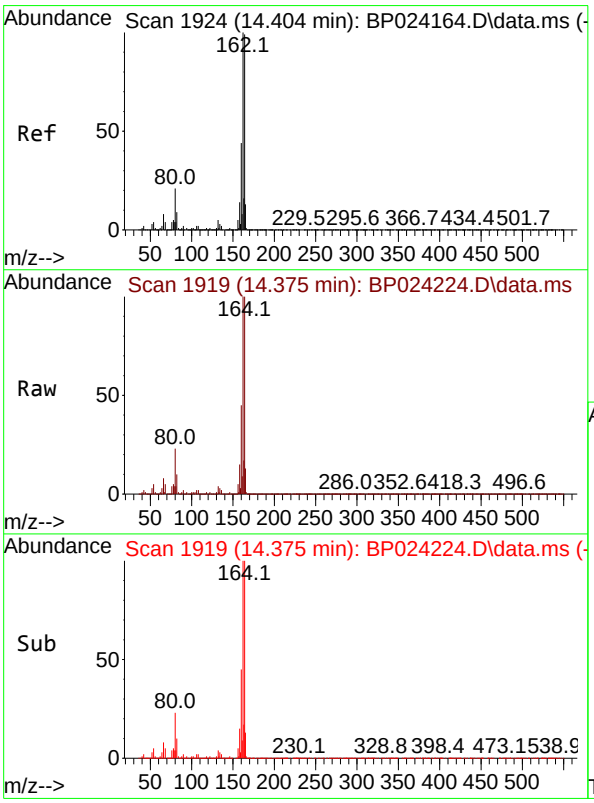

#23
Nitrobenzene-d5
Concen: 74.041 ng
RT: 8.887 min Scan# 9
Delta R.T. -0.035 min
Lab File: BP024224.D
Acq: 08 Apr 2025 22:33

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-26-040325

Tgt Ion: 82 Resp: 1951811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.5 | 37.4 | 56.0 |
| 54 | 40.0 | 32.5 | 48.7 |

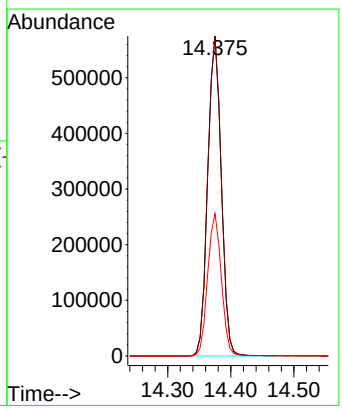


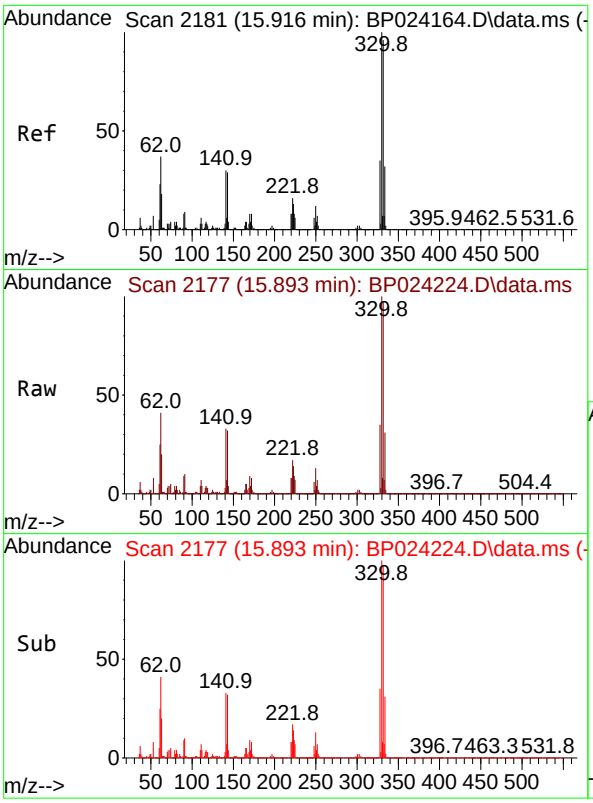




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.375 min Scan# 1919
Delta R.T. -0.029 min
Lab File: BP024224.D
Acq: 08 Apr 2025 22:33

Tgt Ion:164 Resp: 855561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.0 | 80.6 | 121.0 |
| 160 | 44.5 | 35.4 | 53.2 |



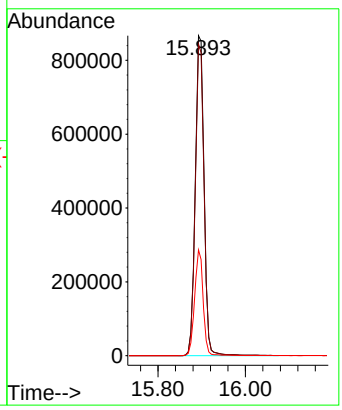


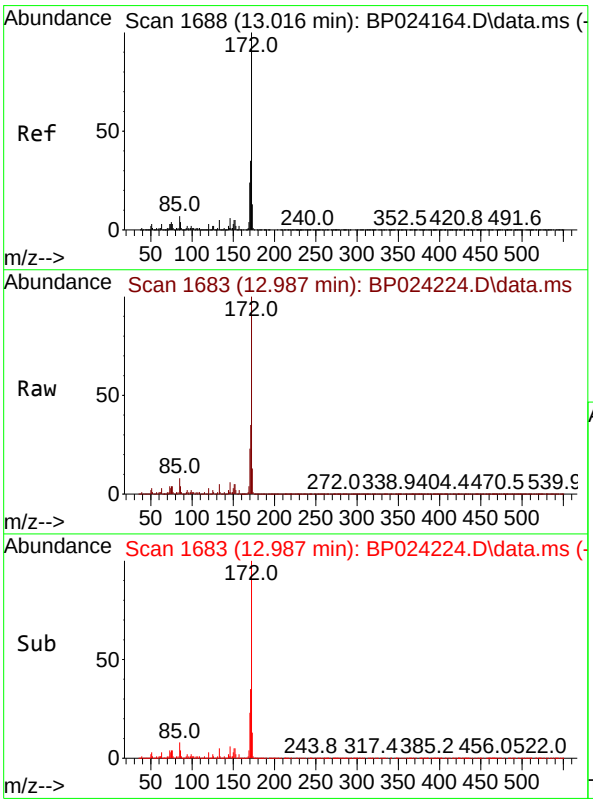

#42
2,4,6-Tribromophenol
Concen: 112.904 ng
RT: 15.893 min Scan# 21
Delta R.T. -0.023 min
Lab File: BP024224.D
Acq: 08 Apr 2025 22:33

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-26-040325

Tgt Ion:330 Resp: 1216755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.4 | 77.6 | 116.4 |
| 141 | 32.1 | 25.0 | 37.6 |

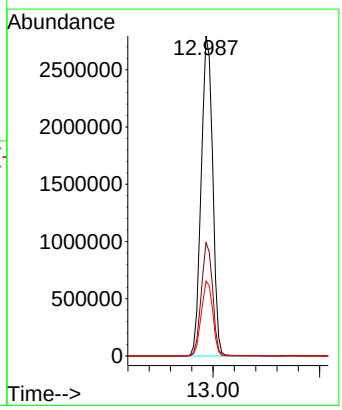


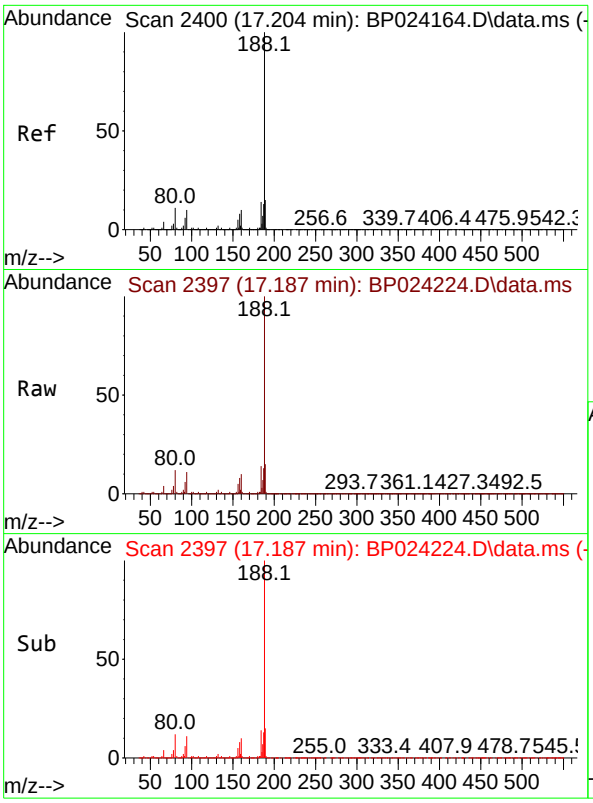




#45
2-Fluorobiphenyl
Concen: 71.984 ng
RT: 12.987 min Scan# 1683
Delta R.T. -0.029 min
Lab File: BP024224.D
Acq: 08 Apr 2025 22:33

Tgt Ion:172 Resp: 4176698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 28.3 | 42.5 |
| 170 | 23.4 | 19.0 | 28.4 |



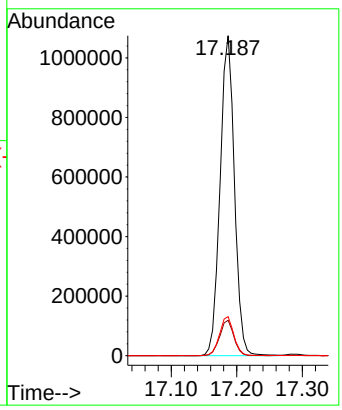


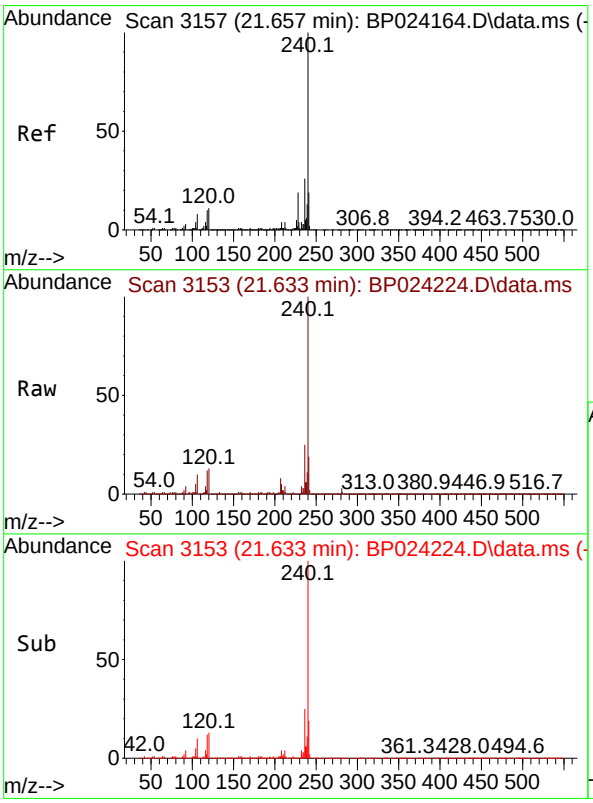

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.187 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024224.D
Acq: 08 Apr 2025 22:33

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-26-040325

Tgt Ion:188 Resp: 1625029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.1 | 8.1 | 12.1 |
| 80 | 12.2 | 8.9 | 13.3 |

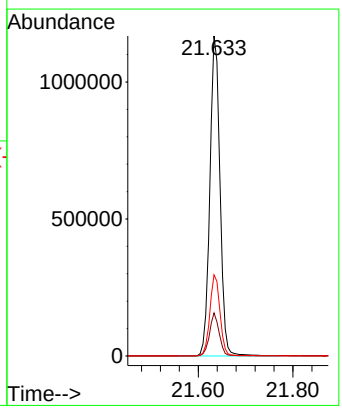


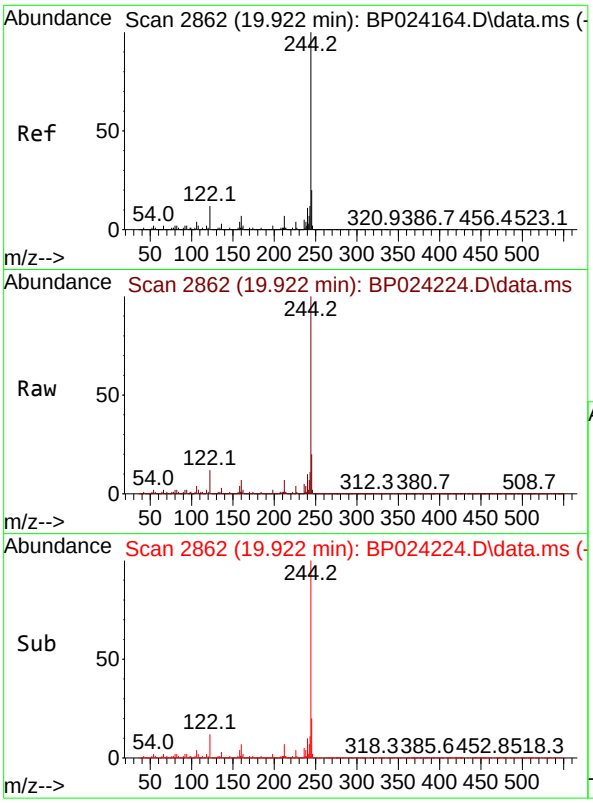




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.633 min Scan# 3153
Delta R.T. -0.023 min
Lab File: BP024224.D
Acq: 08 Apr 2025 22:33

Tgt Ion:240 Resp: 1730314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.5 | 9.2 | 13.8 |
| 236 | 25.4 | 20.4 | 30.6 |



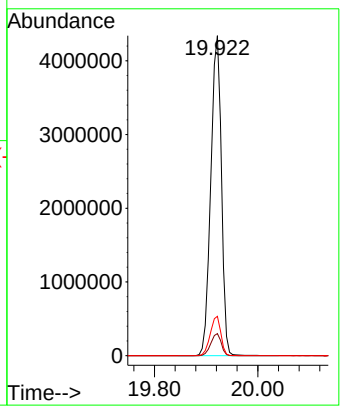


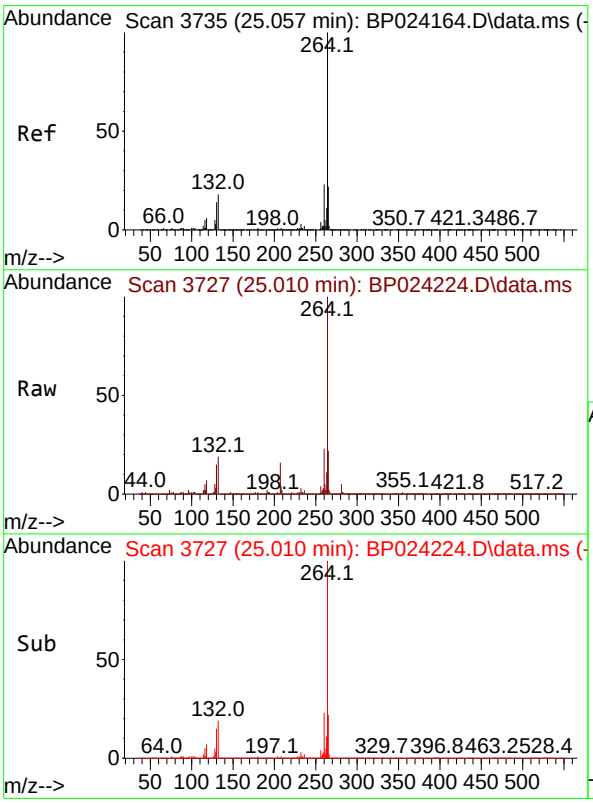

#79
Terphenyl-d14
Concen: 73.710 ng
RT: 19.922 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024224.D
Acq: 08 Apr 2025 22:33

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-PCS-TC-26-040325

Tgt Ion:244 Resp: 6178706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.7 | 8.5 |
| 122 | 12.3 | 9.6 | 14.4 |

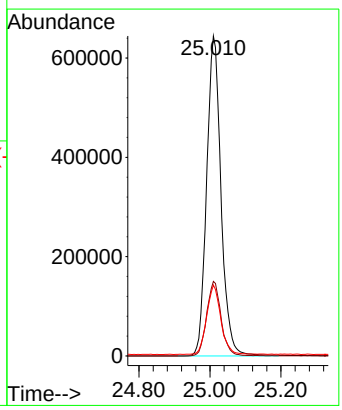



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.010 min Scan# 3727
Delta R.T. -0.047 min
Lab File: BP024224.D
Acq: 08 Apr 2025 22:33

Tgt Ion:264 Resp: 1816084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 18.5 | 27.7 |
| 265 | 22.2 | 17.7 | 26.5 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-CF-15-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-19 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 93.9 |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group3 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024225.D | 1 | 04/07/25 08:55 | 04/08/25 23:13 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 91-20-3 | Naphthalene | 0.14 | U | 0.024 | 0.14 | 0.18 | mg/Kg |
| 91-57-6 | 2-Methylnaphthalene | 0.14 | U | 0.027 | 0.14 | 0.18 | mg/Kg |
| 208-96-8 | Acenaphthylene | 0.14 | U | 0.031 | 0.14 | 0.18 | mg/Kg |
| 83-32-9 | Acenaphthene | 0.14 | U | 0.023 | 0.14 | 0.18 | mg/Kg |
| 86-73-7 | Fluorene | 0.14 | U | 0.027 | 0.14 | 0.18 | mg/Kg |
| 85-01-8 | Phenanthrene | 0.14 | U | 0.022 | 0.14 | 0.18 | mg/Kg |
| 120-12-7 | Anthracene | 0.14 | U | 0.035 | 0.14 | 0.18 | mg/Kg |
| 206-44-0 | Fluoranthene | 0.14 | U | 0.032 | 0.14 | 0.18 | mg/Kg |
| 129-00-0 | Pyrene | 0.14 | U | 0.038 | 0.14 | 0.18 | mg/Kg |
| 56-55-3 | Benzo(a)anthracene | 0.14 | U | 0.025 | 0.14 | 0.18 | mg/Kg |
| 218-01-9 | Chrysene | 0.14 | U | 0.021 | 0.14 | 0.18 | mg/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 0.14 | U | 0.020 | 0.14 | 0.18 | mg/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 0.14 | U | 0.024 | 0.14 | 0.18 | mg/Kg |
| 50-32-8 | Benzo(a)pyrene | 0.14 | U | 0.031 | 0.14 | 0.18 | mg/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.14 | U | 0.031 | 0.14 | 0.18 | mg/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.14 | U | 0.029 | 0.14 | 0.18 | mg/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 0.14 | U | 0.027 | 0.14 | 0.18 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 105 | | 35 - 115 | | 70% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 106 | | 34 - 127 | | 71% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 68.5 | | 37 - 122 | | 69% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 64.2 | | 44 - 115 | | 64% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 111 | | 39 - 132 | | 74% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 79.7 | | 54 - 127 | | 80% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 330000 | 7.74 | | | | |
| 1146-65-2 | Naphthalene-d8 | 1350000 | 10.516 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 859000 | 14.381 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 1810000 | 17.192 | | | | |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-CF-15-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-19 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 93.9 |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group3 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024225.D | 1 | 04/07/25 08:55 | 04/08/25 23:13 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 1719-03-5 | Chrysene-d12 | 1660000 | 21.633 | | | | |
| 1520-96-3 | Perylene-d12 | 1560000 | 24.998 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 15972608 | Alachlor | 0 | U | | | N.D | mg/Kg |

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\BP040825\
Data File : BP024225.D
Acq On : 08 Apr 2025 23:13
Operator : RC/JU
Sample : Q1730-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-CF-15-040325

Quant Time: Apr 09 01:03:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

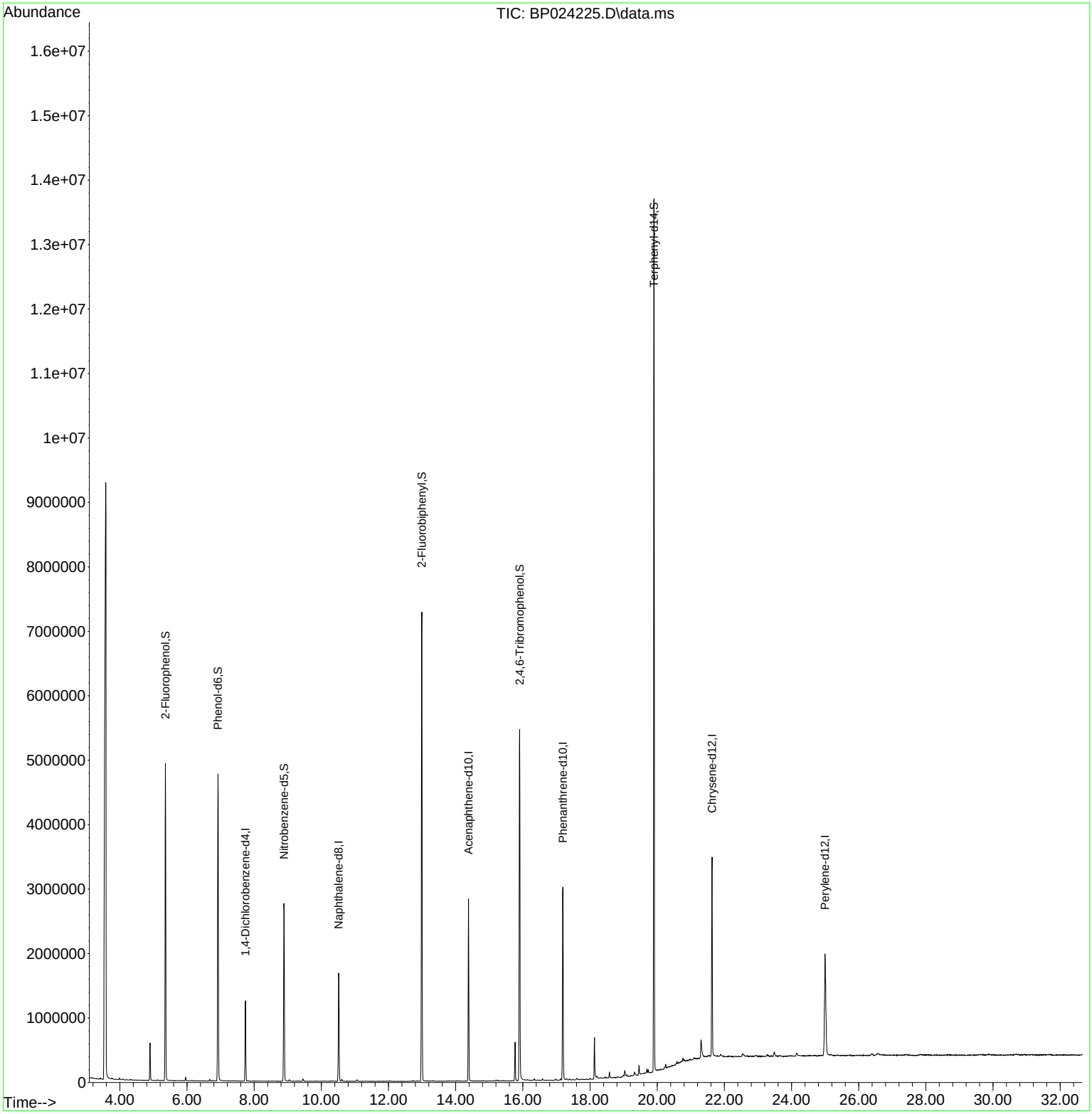
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.740 | 152 | 330426 | 20.000 | ng | -0.03 |
| 21) Naphthalene-d8 | 10.516 | 136 | 1354281 | 20.000 | ng | -0.04 |
| 39) Acenaphthene-d10 | 14.381 | 164 | 859413 | 20.000 | ng | -0.02 |
| 64) Phenanthrene-d10 | 17.192 | 188 | 1805839 | 20.000 | ng | -0.01 |
| 76) Chrysene-d12 | 21.633 | 240 | 1663406 | 20.000 | ng | -0.02 |
| 86) Perylene-d12 | 24.998 | 264 | 1560238 | 20.000 | ng | -0.06 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.358 | 112 | 2167877 | 104.730 | ng | -0.02 |
| 7) Phenol-d6 | 6.922 | 99 | 2941230 | 106.255 | ng | -0.03 |
| 23) Nitrobenzene-d5 | 8.887 | 82 | 1645233 | 68.542 | ng | -0.04 |
| 42) 2,4,6-Tribromophenol | 15.904 | 330 | 1206693 | 111.469 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 12.993 | 172 | 3743948 | 64.236 | ng | -0.02 |
| 79) Terphenyl-d14 | 19.904 | 244 | 6419325 | 79.661 | ng | -0.02 |
| Target Compounds | | | | | | Qvalue |

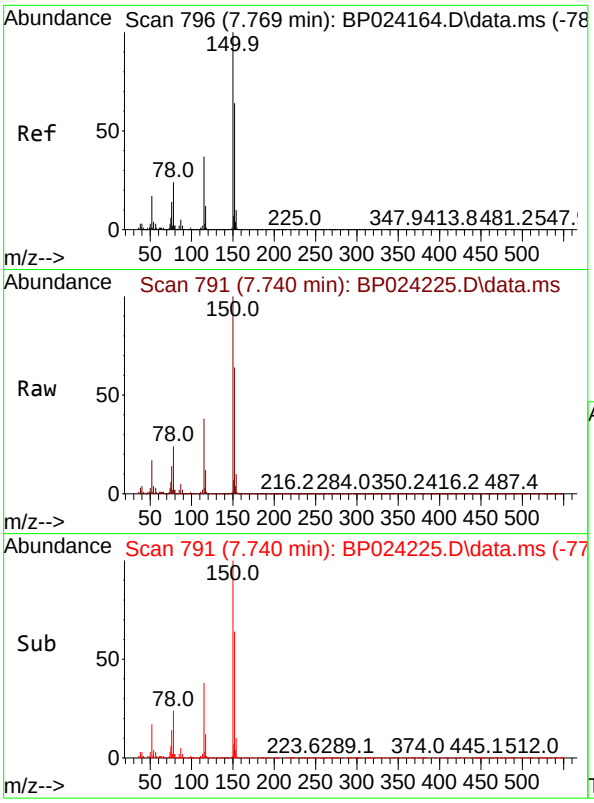
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024225.D
Acq On : 08 Apr 2025 23:13
Operator : RC/JU
Sample : Q1730-19
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-CF-15-040325

Quant Time: Apr 09 01:03:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration



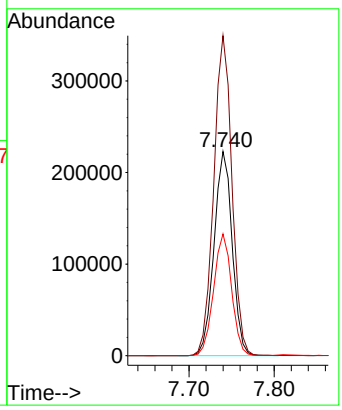


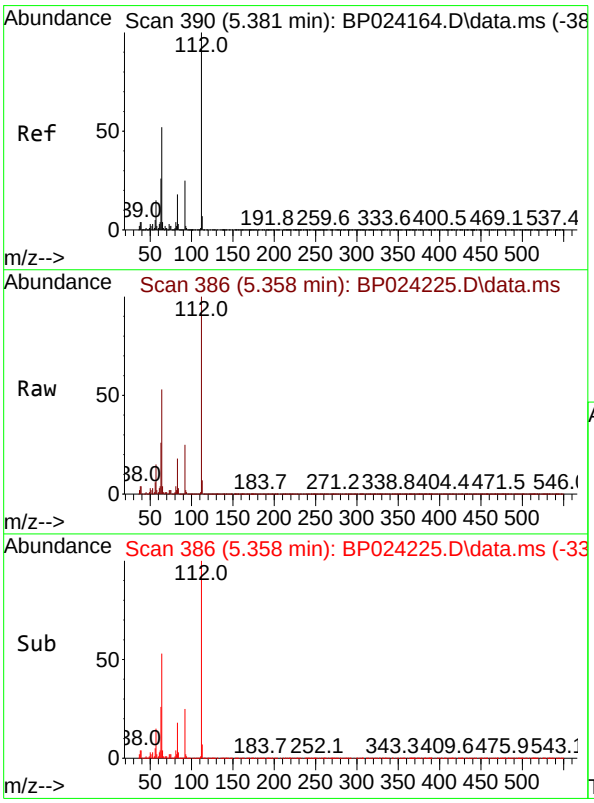

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.029 min
Lab File: BP024225.D
Acq: 08 Apr 2025 23:13

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-CF-15-040325

Tgt Ion:152 Resp: 330426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.8 | 125.5 | 188.3 |
| 115 | 59.7 | 46.3 | 69.5 |

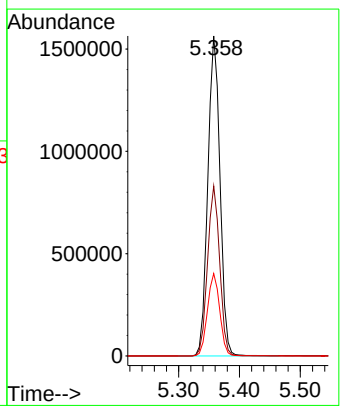


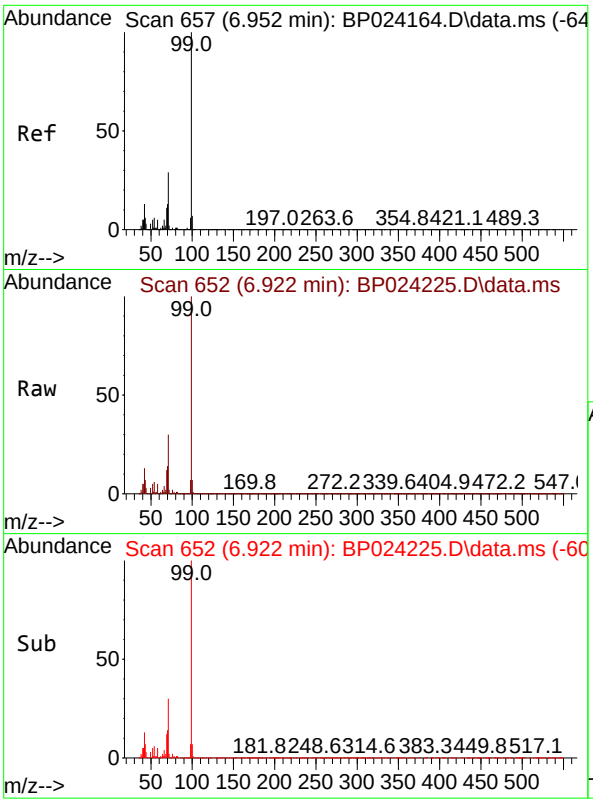




#5
2-Fluorophenol
Concen: 104.730 ng
RT: 5.358 min Scan# 386
Delta R.T. -0.024 min
Lab File: BP024225.D
Acq: 08 Apr 2025 23:13

Tgt Ion:112 Resp: 2167877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.1 | 41.3 | 61.9 |
| 63 | 25.8 | 20.6 | 31.0 |



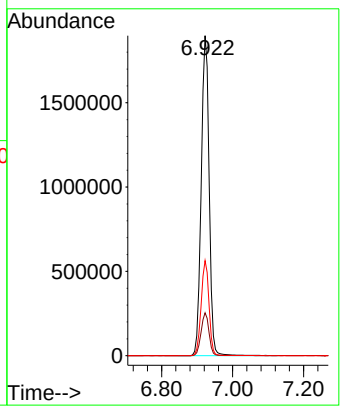


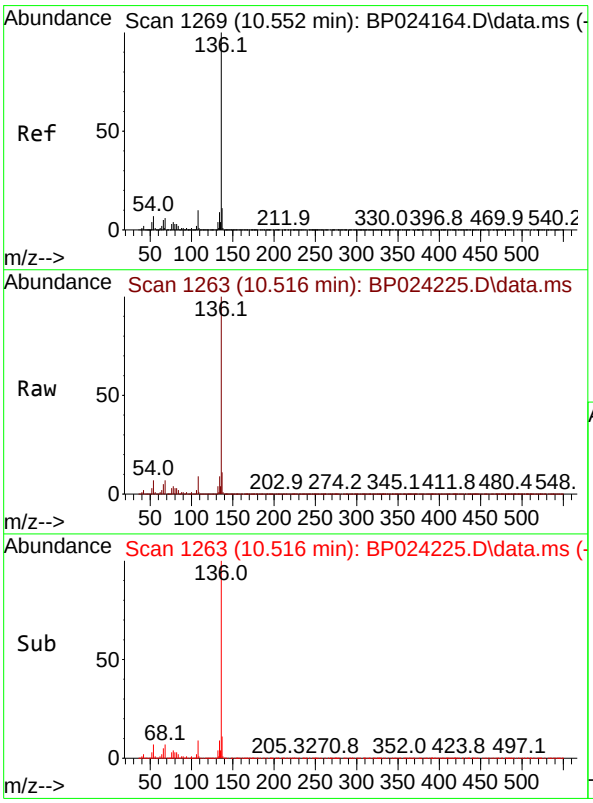

#7
Phenol-d6
Concen: 106.255 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.029 min
Lab File: BP024225.D
Acq: 08 Apr 2025 23:13

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-CF-15-040325

Tgt Ion: 99 Resp: 2941230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.4 | 10.6 | 16.0 |
| 71 | 29.7 | 23.3 | 34.9 |

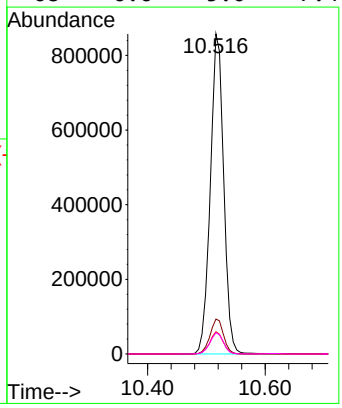


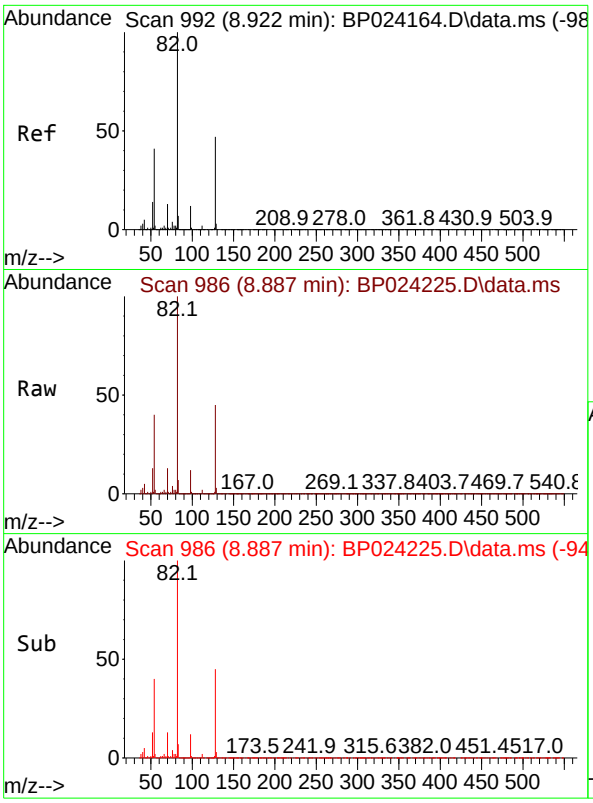




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1263
Delta R.T. -0.035 min
Lab File: BP024225.D
Acq: 08 Apr 2025 23:13

Tgt Ion:136 Resp: 1354281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.0 | 13.4 |
| 54 | 7.0 | 5.3 | 7.9 |
| 68 | 6.6 | 5.0 | 7.4 |



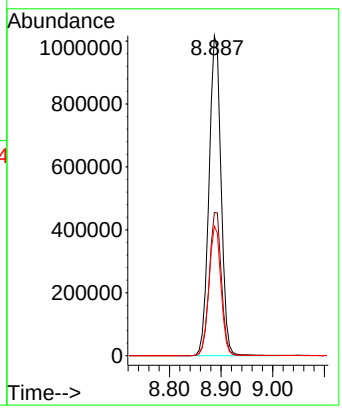


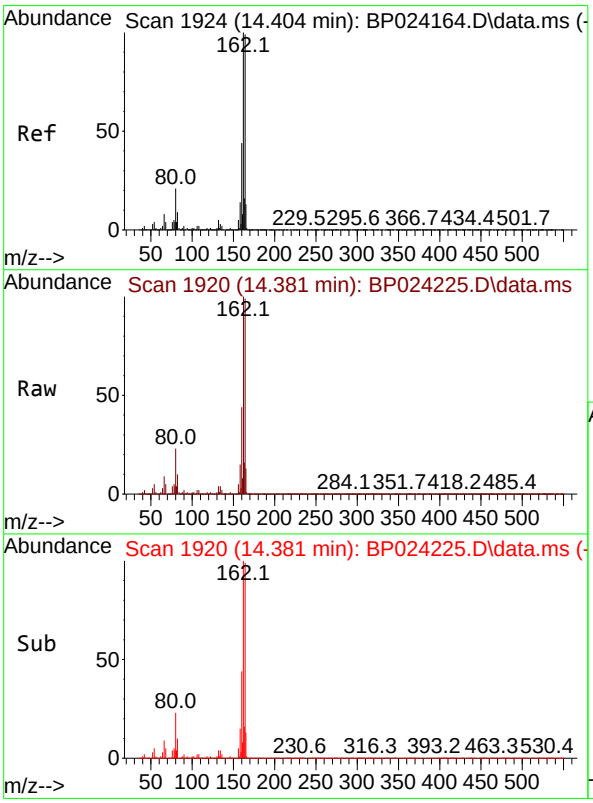

#23
Nitrobenzene-d5
Concen: 68.542 ng
RT: 8.887 min Scan# 9
Delta R.T. -0.035 min
Lab File: BP024225.D
Acq: 08 Apr 2025 23:13

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-CF-15-040325

Tgt Ion: 82 Resp: 1645233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.7 | 37.4 | 56.0 |
| 54 | 40.5 | 32.5 | 48.7 |

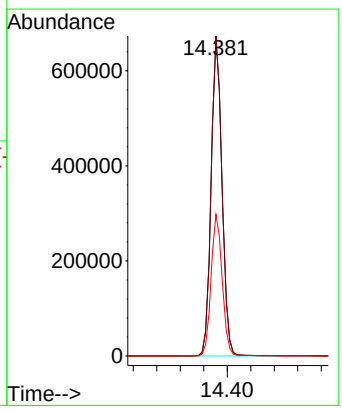


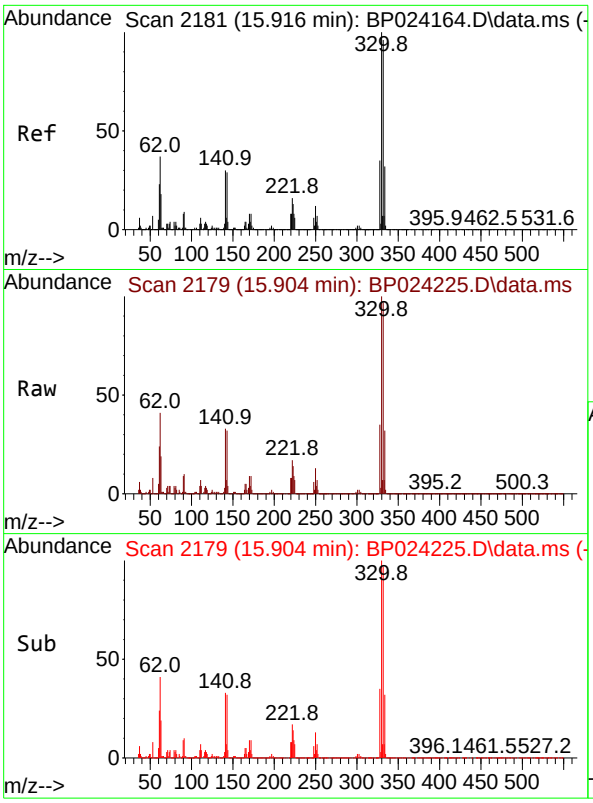




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.381 min Scan# 1920
Delta R.T. -0.024 min
Lab File: BP024225.D
Acq: 08 Apr 2025 23:13

Tgt Ion:164 Resp: 859413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.8 | 80.6 | 121.0 |
| 160 | 44.6 | 35.4 | 53.2 |



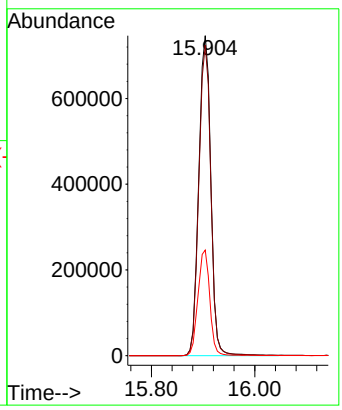


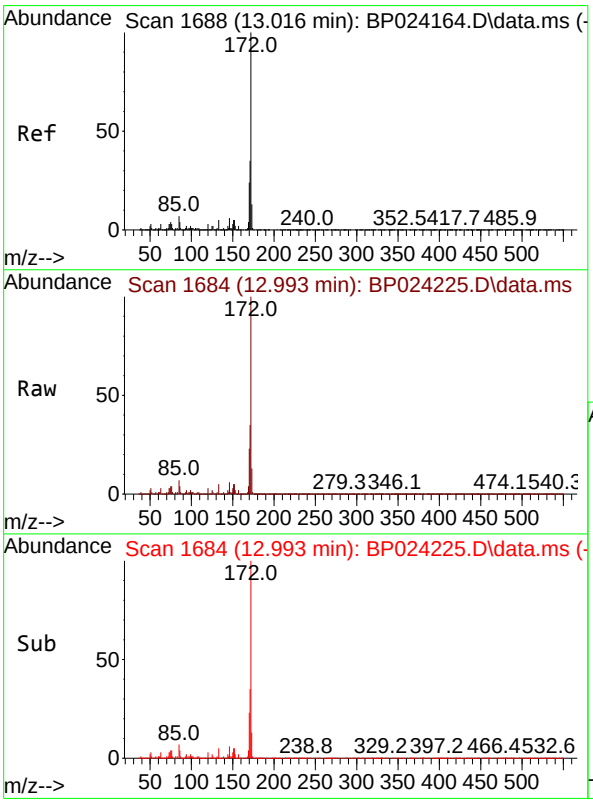

#42
2,4,6-Tribromophenol
Concen: 111.469 ng
RT: 15.904 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024225.D
Acq: 08 Apr 2025 23:13

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-CF-15-040325

Tgt Ion:330 Resp: 1206693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.9 | 77.6 | 116.4 |
| 141 | 32.6 | 25.0 | 37.6 |

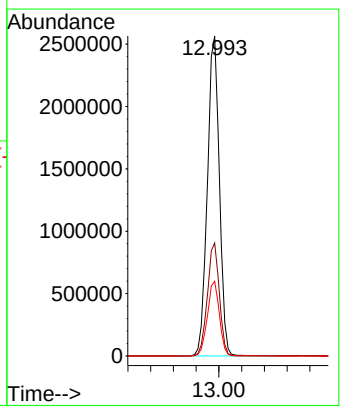


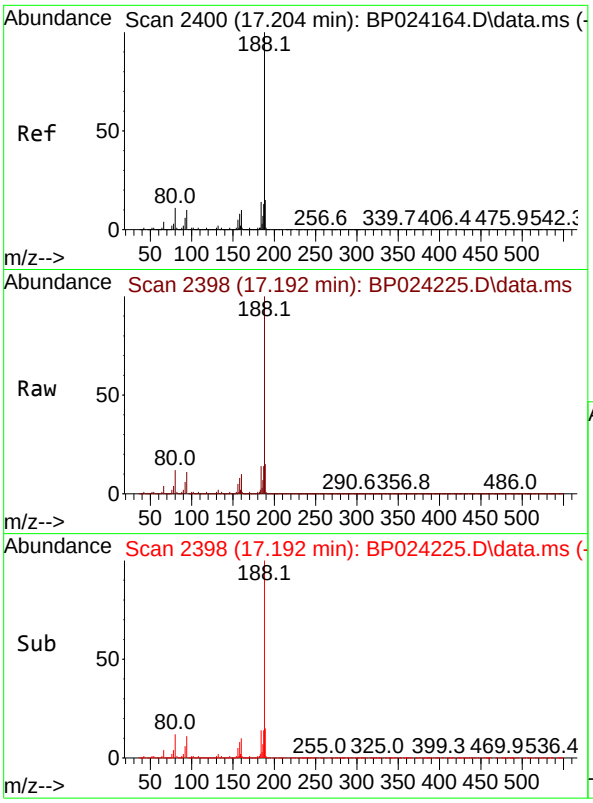




#45
2-Fluorobiphenyl
Concen: 64.236 ng
RT: 12.993 min Scan# 1684
Delta R.T. -0.024 min
Lab File: BP024225.D
Acq: 08 Apr 2025 23:13

Tgt Ion:172 Resp: 3743948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 28.3 | 42.5 |
| 170 | 23.3 | 19.0 | 28.4 |



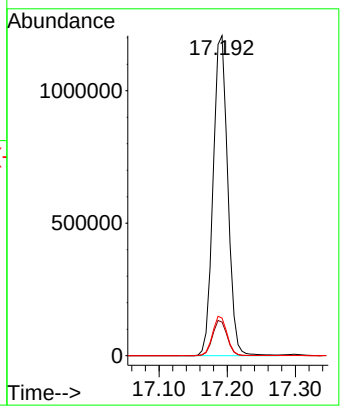


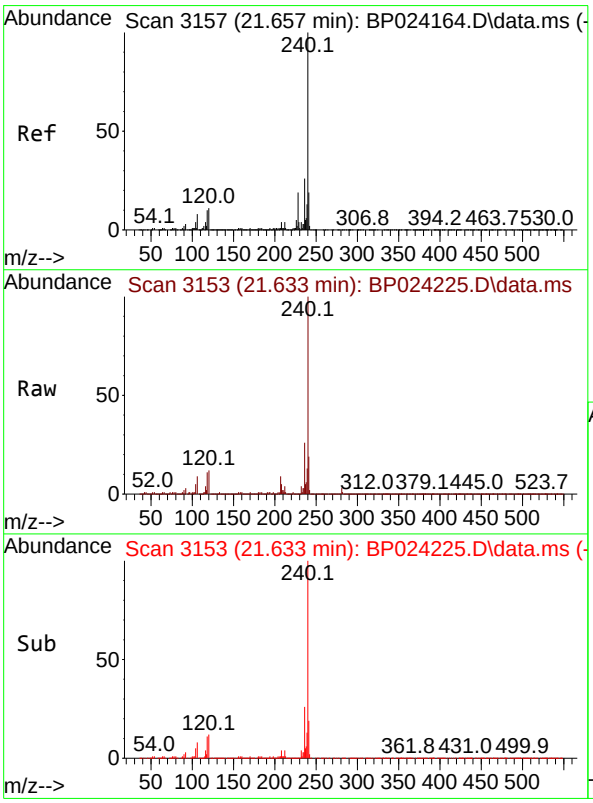

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024225.D
Acq: 08 Apr 2025 23:13

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-CF-15-040325

Tgt Ion:188 Resp: 1805839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.5 | 8.1 | 12.1 |
| 80 | 11.7 | 8.9 | 13.3 |

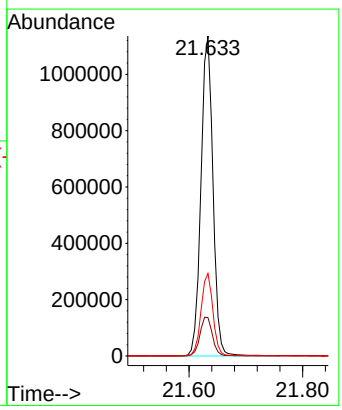


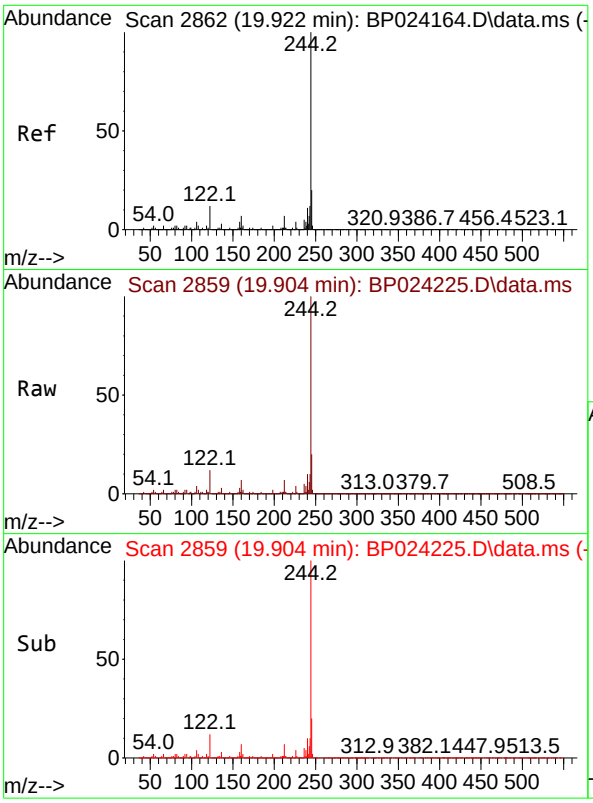




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.633 min Scan# 3153
Delta R.T. -0.024 min
Lab File: BP024225.D
Acq: 08 Apr 2025 23:13

Tgt Ion:240 Resp: 1663406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.0 | 9.2 | 13.8 |
| 236 | 25.8 | 20.4 | 30.6 |



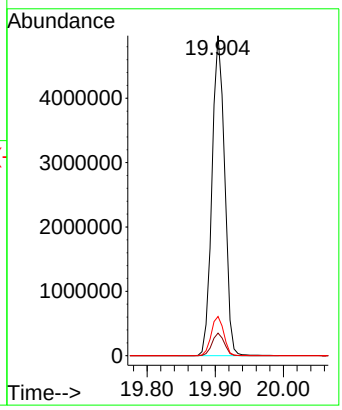


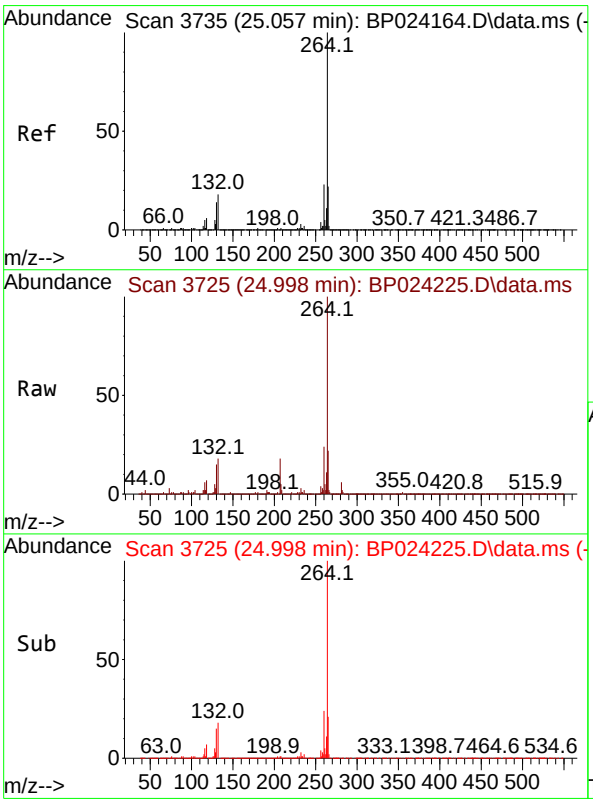

#79
Terphenyl-d14
Concen: 79.661 ng
RT: 19.904 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024225.D
Acq: 08 Apr 2025 23:13

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-CF-15-040325

Tgt Ion:244 Resp: 6419325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.7 | 8.5 |
| 122 | 12.2 | 9.6 | 14.4 |

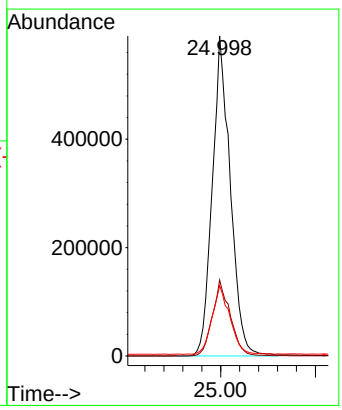



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.998 min Scan# 3725
Delta R.T. -0.059 min
Lab File: BP024225.D
Acq: 08 Apr 2025 23:13

Tgt Ion:264 Resp: 1560238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.7 | 18.5 | 27.7 |
| 265 | 22.0 | 17.7 | 26.5 |



# CALIBRATION SUMMARY

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP031225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Mar 13 05:55:58 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024160.D 5 =BP024161.D 10 =BP024162.D 20 =BP024163.D 40 =BP024164.D 50 =BP024165.D 60 =BP024166.D 80 =BP0241
67.D

| | | Compound | 2.5 | 5 | 10 | 20 | 40 | 50 | 60 | 80 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | | | | |
| 2) | | 1,4-Dioxane | | 0.503 | 0.499 | 0.518 | 0.469 | 0.496 | 0.498 | 0.493 | 0.497 | 2.93 |
| 3) | | Pyridine | | 1.296 | 1.269 | 1.406 | 1.311 | 1.396 | 1.398 | 1.429 | 1.358 | 4.69 |
| 4) | | n-Nitrosodimet... | | 0.444 | 0.436 | 0.476 | 0.431 | 0.461 | 0.466 | 0.461 | 0.454 | 3.66 |
| 5) | S | 2-Fluorophenol | | 1.158 | 1.194 | 1.307 | 1.211 | 1.291 | 1.307 | 1.303 | 1.253 | 5.06 |
| 6) | | Aniline | | 1.508 | 1.531 | 1.656 | 1.484 | 1.548 | 1.512 | 1.447 | 1.527 | 4.31 |
| 7) | S | Phenol-d6 | | 1.518 | 1.581 | 1.747 | 1.631 | 1.749 | 1.754 | 1.748 | 1.675 | 5.86 |
| 8) | | 2-Chlorophenol | | 1.257 | 1.310 | 1.413 | 1.306 | 1.391 | 1.400 | 1.397 | 1.353 | 4.52 |
| 9) | | Benzaldehyde | | 0.971 | 0.949 | 0.930 | 0.780 | 0.751 | 0.702 | 0.577 | 0.809 | 18.20 |
| 10) | C | Phenol | | 1.579 | 1.632 | 1.754 | 1.628 | 1.744 | 1.752 | 1.751 | 1.691 | 4.46 |
| 11) | | bis(2-Chloroet... | | 1.286 | 1.317 | 1.407 | 1.273 | 1.341 | 1.358 | 1.356 | 1.334 | 3.45 |
| 12) | | 1,3-Dichlorobe... | | 1.466 | 1.448 | 1.522 | 1.387 | 1.477 | 1.471 | 1.445 | 1.459 | 2.79 |
| 13) | C | 1,4-Dichlorobe... | | 1.507 | 1.474 | 1.562 | 1.413 | 1.493 | 1.503 | 1.479 | 1.490 | 3.01 |
| 14) | | 1,2-Dichlorobe... | | 1.446 | 1.426 | 1.494 | 1.358 | 1.435 | 1.440 | 1.411 | 1.430 | 2.85 |
| 15) | | Benzyl Alcohol | | 0.934 | 0.966 | 1.096 | 1.042 | 1.122 | 1.126 | 1.139 | 1.061 | 7.77 |
| 16) | | 2,2'-oxybis(1-... | | 1.374 | 1.367 | 1.434 | 1.293 | 1.365 | 1.362 | 1.336 | 1.361 | 3.11 |
| 17) | | 2-Methylphenol | | 0.932 | 0.997 | 1.120 | 1.038 | 1.116 | 1.113 | 1.109 | 1.061 | 6.96 |
| 18) | | Hexachloroethane | | 0.533 | 0.512 | 0.547 | 0.508 | 0.533 | 0.538 | 0.529 | 0.529 | 2.67 |
| 19) | P | n-Nitroso-di-n... | 0.869 | 0.910 | 0.956 | 1.048 | 0.962 | 1.026 | 1.007 | 0.997 | 0.972 | 6.18 |
| 20) | | 3+4-Methylphenols | | 1.265 | 1.360 | 1.530 | 1.433 | 1.547 | 1.530 | 1.534 | 1.457 | 7.50 |
| 21) | I | Naphthalene-d8 | ----------ISTD---------- | | | | | | | | | |
| 22) | | Acetophenone | | 0.483 | 0.490 | 0.531 | 0.496 | 0.508 | 0.519 | 0.512 | 0.506 | 3.37 |
| 23) | S | Nitrobenzene-d5 | | 0.330 | 0.338 | 0.366 | 0.351 | 0.362 | 0.368 | 0.367 | 0.354 | 4.34 |
| 24) | | Nitrobenzene | | 0.330 | 0.336 | 0.362 | 0.341 | 0.355 | 0.363 | 0.361 | 0.350 | 3.88 |
| 25) | | Isophorone | | 0.532 | 0.562 | 0.631 | 0.602 | 0.635 | 0.642 | 0.649 | 0.608 | 7.33 |
| 26) | C | 2-Nitrophenol | | 0.126 | 0.141 | 0.167 | 0.171 | 0.182 | 0.189 | 0.192 | 0.167 | 14.92 |
| 27) | | 2,4-Dimethylph... | | 0.186 | 0.198 | 0.220 | 0.215 | 0.223 | 0.229 | 0.232 | 0.215 | 7.94 |
| 28) | | bis(2-Chloroet... | | 0.414 | 0.418 | 0.438 | 0.418 | 0.429 | 0.437 | 0.439 | 0.427 | 2.55 |
| 29) | C | 2,4-Dichloroph... | | 0.237 | 0.263 | 0.298 | 0.296 | 0.306 | 0.314 | 0.319 | 0.291 | 10.21 |
| 30) | | 1,2,4-Trichlor... | | 0.310 | 0.312 | 0.329 | 0.312 | 0.322 | 0.331 | 0.331 | 0.321 | 2.94 |
| 31) | | Naphthalene | | 1.041 | 1.037 | 1.099 | 1.029 | 1.069 | 1.078 | 1.069 | 1.060 | 2.38 |
| 32) | | Benzoic acid | | | 0.148 | 0.190 | 0.218 | 0.239 | 0.252 | | 0.209 | 19.82 |
| 33) | | 4-Chloroaniline | | 0.344 | 0.356 | 0.397 | 0.377 | 0.394 | 0.389 | 0.398 | 0.379 | 5.63 |
| 34) | C | Hexachlorobuta... | | 0.177 | 0.178 | 0.187 | 0.180 | 0.187 | 0.192 | 0.191 | 0.185 | 3.36 |
| 35) | | Caprolactam | | 0.072 | 0.079 | 0.097 | 0.097 | 0.107 | 0.104 | 0.111 | 0.095 | 15.56 |
| 36) | C | 4-Chloro-3-met... | | 0.261 | 0.283 | 0.324 | 0.314 | 0.333 | 0.332 | 0.348 | 0.313 | 9.83 |
| 37) | | 2-Methylnaphth... | | 0.689 | 0.684 | 0.737 | 0.704 | 0.731 | 0.734 | 0.735 | 0.716 | 3.27 |
| 38) | | 1-Methylnaphth... | | 0.674 | 0.673 | 0.728 | 0.673 | 0.704 | 0.705 | 0.720 | 0.697 | 3.32 |

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP031225.M

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 39) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | | |
| 40) | | 1,2,4,5-Tetrac... | 0.548 | 0.560 | 0.596 | 0.558 | 0.580 | 0.608 | 0.596 | 0.578 | 3.98 |
| 41) | P | Hexachlorocycl... | 0.169 | 0.189 | 0.214 | 0.212 | 0.220 | 0.234 | 0.222 | 0.208 | 10.65 |
| 42) | S | 2,4,6-Tribromo... | 0.203 | 0.222 | 0.256 | 0.252 | 0.270 | 0.275 | 0.285 | 0.252 | 11.69 |
| 43) | C | 2,4,6-Trichlor... | 0.291 | 0.324 | 0.379 | 0.372 | 0.391 | 0.409 | 0.406 | 0.367 | 11.98 |
| 44) | | 2,4,5-Trichlor... | 0.331 | 0.362 | 0.414 | 0.409 | 0.422 | 0.439 | 0.443 | 0.403 | 10.23 |
| 45) | S | 2-Fluorobiphenyl | 1.364 | 1.358 | 1.420 | 1.319 | 1.335 | 1.367 | 1.332 | 1.356 | 2.44 |
| 46) | | 1,1'-Biphenyl | 1.467 | 1.475 | 1.566 | 1.462 | 1.493 | 1.536 | 1.521 | 1.503 | 2.60 |
| 47) | | 2-Chloronaphth... | 1.108 | 1.100 | 1.180 | 1.095 | 1.115 | 1.164 | 1.152 | 1.130 | 3.01 |
| 48) | | 2-Nitroaniline | 0.228 | 0.252 | 0.300 | 0.292 | 0.311 | 0.317 | 0.324 | 0.289 | 12.34 |
| 49) | | Acenaphthylene | 1.586 | 1.628 | 1.776 | 1.661 | 1.749 | 1.789 | 1.784 | 1.710 | 4.91 |
| 50) | | Dimethylphthalate | 1.351 | 1.349 | 1.459 | 1.358 | 1.417 | 1.424 | 1.439 | 1.399 | 3.27 |
| 51) | | 2,6-Dinitrotol... | 0.248 | 0.266 | 0.303 | 0.294 | 0.312 | 0.316 | 0.322 | 0.294 | 9.40 |
| 52) | C | Acenaphthene | 1.057 | 1.056 | 1.136 | 1.061 | 1.096 | 1.123 | 1.121 | 1.093 | 3.18 |
| 53) | | 3-Nitroaniline | 0.253 | 0.276 | 0.328 | 0.322 | 0.344 | 0.343 | 0.359 | 0.318 | 12.24 |
| 54) | P | 2,4-Dinitrophenol | | 0.108 | 0.146 | 0.160 | 0.179 | 0.186 | | 0.156 | 19.97 |
| 55) | | Dibenzofuran | 1.759 | 1.751 | 1.835 | 1.711 | 1.768 | 1.799 | 1.769 | 1.770 | 2.18 |
| 56) | P | 4-Nitrophenol | 0.187 | 0.218 | 0.271 | 0.277 | 0.299 | 0.296 | 0.312 | 0.266 | 17.41 |
| 57) | | 2,4-Dinitrotol... | 0.295 | 0.334 | 0.400 | 0.394 | 0.423 | 0.431 | 0.446 | 0.389 | 14.19 |
| 58) | | Fluorene | 1.309 | 1.343 | 1.442 | 1.345 | 1.407 | 1.407 | 1.402 | 1.379 | 3.43 |
| 59) | | 2,3,4,6-Tetrac... | 0.316 | 0.323 | 0.365 | 0.356 | 0.371 | 0.376 | 0.386 | 0.356 | 7.54 |
| 60) | | Diethylphthalate | 1.297 | 1.336 | 1.437 | 1.358 | 1.422 | 1.435 | 1.469 | 1.394 | 4.53 |
| 61) | | 4-Chlorophenyl... | 0.658 | 0.660 | 0.696 | 0.658 | 0.685 | 0.689 | 0.690 | 0.676 | 2.53 |
| 62) | | 4-Nitroaniline | 0.246 | 0.292 | 0.348 | 0.343 | 0.362 | 0.365 | 0.379 | 0.334 | 14.22 |
| 63) | | Azobenzene | 1.215 | 1.251 | 1.369 | 1.291 | 1.341 | 1.363 | 1.365 | 1.314 | 4.73 |
| 64) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | | |
| 65) | | 4,6-Dinitro-2-... | | 0.085 | 0.111 | 0.120 | 0.127 | 0.132 | 0.137 | 0.119 | 15.85 |
| 66) | c | n-Nitrosodiphe... | 0.564 | 0.583 | 0.629 | 0.600 | 0.617 | 0.632 | 0.626 | 0.607 | 4.27 |
| 67) | | 4-Bromophenyl-... | 0.206 | 0.207 | 0.222 | 0.217 | 0.224 | 0.229 | 0.231 | 0.220 | 4.60 |
| 68) | | Hexachlorobenzene | 0.248 | 0.249 | 0.263 | 0.254 | 0.263 | 0.270 | 0.272 | 0.260 | 3.76 |
| 69) | | Atrazine | 0.165 | 0.171 | 0.157 | 0.135 | 0.105 | | | 0.147 | 18.49 |
| 70) | C | Pentachlorophenol | 0.121 | 0.140 | 0.166 | 0.177 | 0.184 | 0.190 | 0.197 | 0.168 | 16.61 |
| 71) | | Phenanthrene | 1.068 | 1.059 | 1.126 | 1.083 | 1.100 | 1.111 | 1.102 | 1.093 | 2.19 |
| 72) | | Anthracene | 0.993 | 1.012 | 1.101 | 1.063 | 1.092 | 1.090 | 1.098 | 1.064 | 4.16 |
| 73) | | Carbazole | 0.920 | 0.975 | 1.060 | 1.041 | 1.060 | 1.061 | 1.066 | 1.026 | 5.50 |
| 74) | | Di-n-butylphth... | 1.026 | 1.121 | 1.247 | 1.260 | 1.272 | 1.297 | 1.304 | 1.218 | 8.57 |
| 75) | C | Fluoranthene | 1.173 | 1.220 | 1.287 | 1.264 | 1.305 | 1.298 | 1.312 | 1.265 | 4.07 |
| 76) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | | |
| 77) | | Benzidine | 0.222 | 0.199 | 0.178 | 0.258 | 0.173 | 0.278 | 0.222 | 0.219 | 17.88 |
| 78) | | Pyrene | 1.177 | 1.190 | 1.299 | 1.204 | 1.266 | 1.293 | 1.274 | 1.243 | 4.12 |
| 79) | S | Terphenyl-d14 | 0.967 | 0.973 | 1.033 | 0.948 | 0.966 | 0.971 | 0.924 | 0.969 | 3.45 |
| 80) | | Butylbenzylpht... | 0.399 | 0.441 | 0.513 | 0.524 | 0.554 | 0.581 | 0.576 | 0.513 | 13.49 |
| 81) | | Benzo(a)anthra... | 1.194 | 1.194 | 1.291 | 1.208 | 1.261 | 1.285 | 1.271 | 1.243 | 3.47 |
| 82) | | 3,3'-Dichlorob... | 0.340 | 0.369 | 0.429 | 0.428 | 0.434 | 0.467 | 0.450 | 0.417 | 10.94 |
| 83) | | Chrysene | 1.185 | 1.159 | 1.224 | 1.158 | 1.212 | 1.220 | 1.209 | 1.195 | 2.36 |
| 84) | | Bis(2-ethylhex... | 0.613 | 0.678 | 0.784 | 0.792 | 0.819 | 0.878 | 0.851 | 0.774 | 12.30 |
| 85) | c | Di-n-octyl pht... | 0.922 | 1.033 | 1.224 | 1.272 | 1.357 | 1.435 | 1.433 | 1.240 | 15.95 |

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP031225.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 86) | I | Perylene-d12 | ----------ISTD---------- | | | | | | | |
| 87) | | Indeno(1,2,3-c... | 1.274 | 1.289 | 1.421 | 1.366 | 1.442 | 1.479 | 1.499 | 1.396 | 6.38 |
| 88) | | Benzo(b)fluora... | 1.103 | 1.116 | 1.258 | 1.190 | 1.244 | 1.266 | 1.264 | 1.206 | 5.85 |
| 89) | | Benzo(k)fluora... | 1.092 | 1.136 | 1.213 | 1.130 | 1.203 | 1.251 | 1.232 | 1.180 | 5.07 |
| 90) | C | Benzo(a)pyrene | 0.953 | 0.959 | 1.065 | 1.029 | 1.094 | 1.119 | 1.122 | 1.049 | 6.77 |
| 91) | | Dibenzo(a,h)an... | 1.063 | 1.083 | 1.184 | 1.137 | 1.191 | 1.226 | 1.244 | 1.161 | 5.97 |
| 92) | | Benzo(g,h,i)pe... | 1.097 | 1.107 | 1.199 | 1.154 | 1.202 | 1.246 | 1.259 | 1.180 | 5.39 |

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024160.D
Acq On : 12 Mar 2025 16:17
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 13 04:04:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

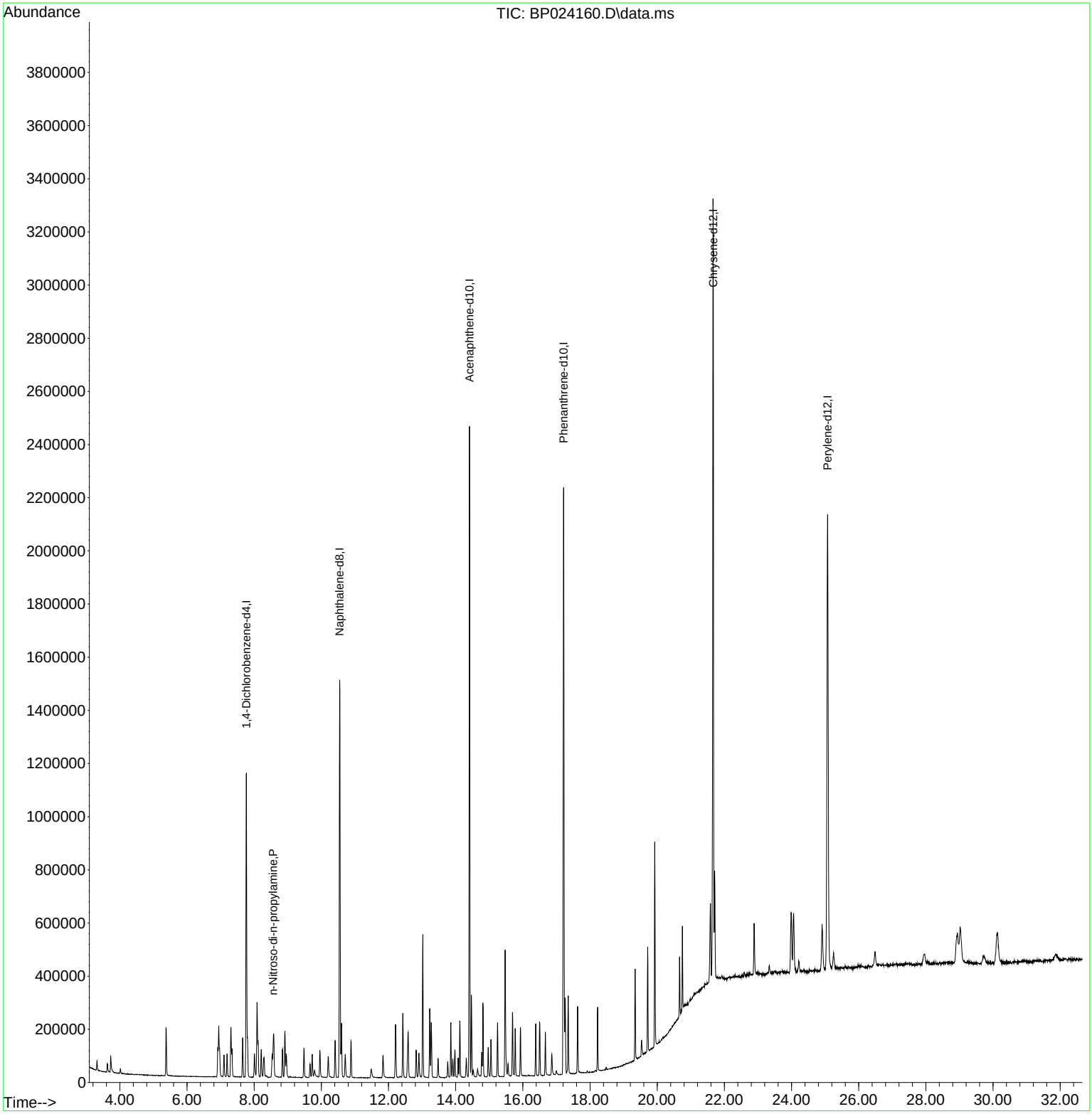
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.769 | 152 | 323931 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.546 | 136 | 1324397 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.410 | 164 | 805172 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.216 | 188 | 1551813 | 20.000 | ng | 0.01 |
| 76) Chrysene-d12 | 21.669 | 240 | 1615554 | 20.000 | ng | 0.01 |
| 86) Perylene-d12 | 25.074 | 264 | 1740877 | 20.000 | ng | 0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 0.000 | 112 | 0d | 0.000 | ng | |
| 7) Phenol-d6 | 0.000 | 99 | 0d | 0.000 | ng | |
| 23) Nitrobenzene-d5 | 0.000 | 82 | 0d | 0.000 | ng | |
| 42) 2,4,6-Tribromophenol | 0.000 | 330 | 0d | 0.000 | ng | |
| 45) 2-Fluorobiphenyl | 0.000 | 172 | 0d | 0.000 | ng | |
| 79) Terphenyl-d14 | 0.000 | 244 | 0d | 0.000 | ng | |
| Target Compounds | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propyla... | 8.569 | 70 | 35203 | 2.454 | ng | 98 |

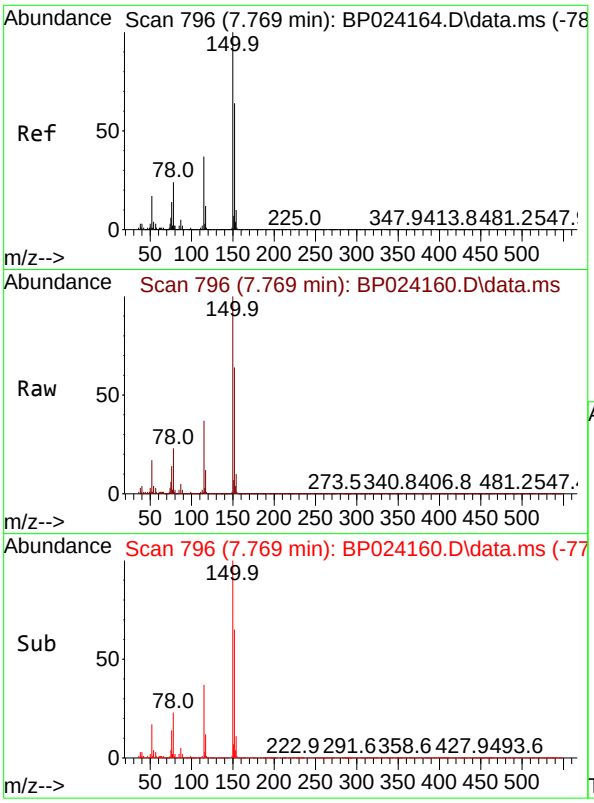
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024160.D
Acq On : 12 Mar 2025 16:17
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 13 04:04:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration



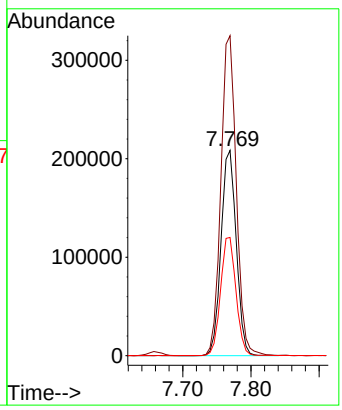


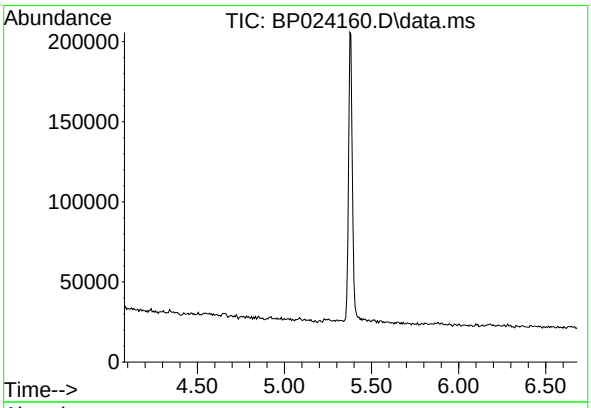

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

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

Tgt Ion:152 Resp: 323931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.9 | 125.5 | 188.3 |
| 115 | 57.6 | 46.3 | 69.5 |



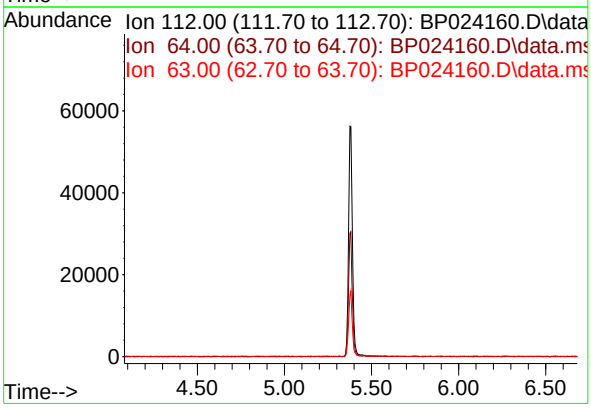



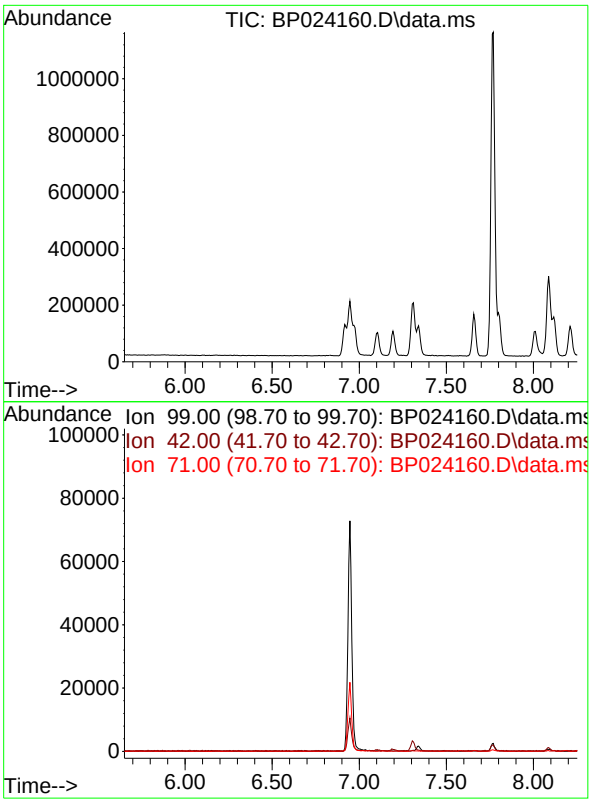

#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.38 min

Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

Tgt Ion: 112

| Sig | Exp Ratio |
|---|---|
| 112 | 100 |
| 64 | 51.6 |
| 63 | 25.8 |





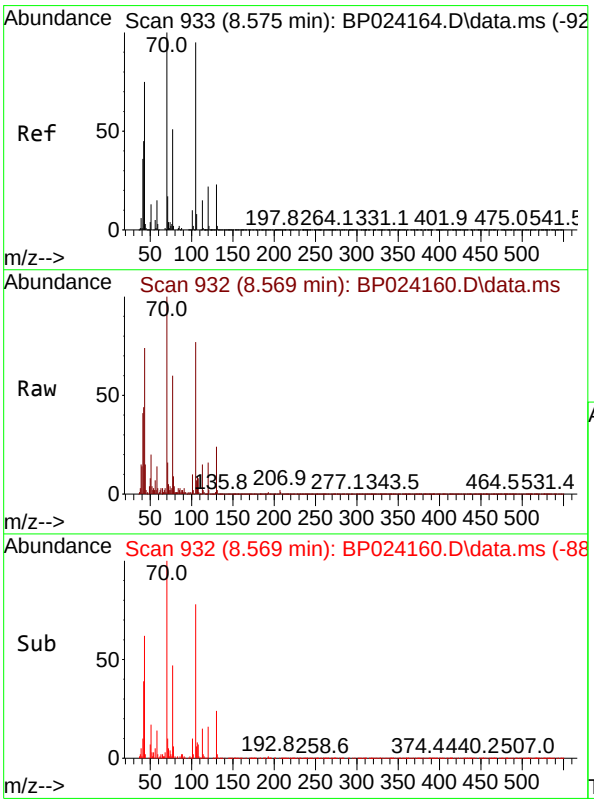

#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.95 min

Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

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

Tgt Ion: 99

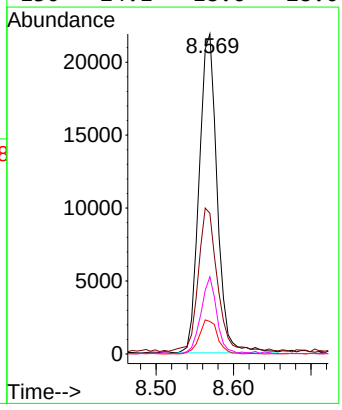
| Sig | Exp Ratio |
|---|---|
| 99 | 100 |
| 42 | 13.3 |
| 71 | 29.1 |

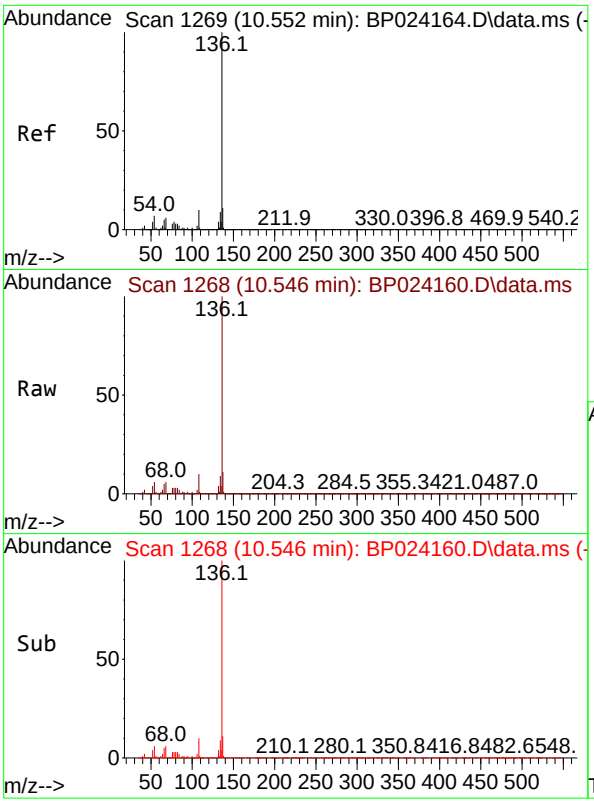



#19
n-Nitroso-di-n-propylamine
Concen: 2.454 ng
RT: 8.569 min Scan# 932
Delta R.T. -0.006 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

Tgt Ion: 70 Resp: 35203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 43.9 | 36.0 | 54.0 |
| 101 | 10.2 | 8.3 | 12.5 |
| 130 | 24.1 | 18.6 | 28.0 |



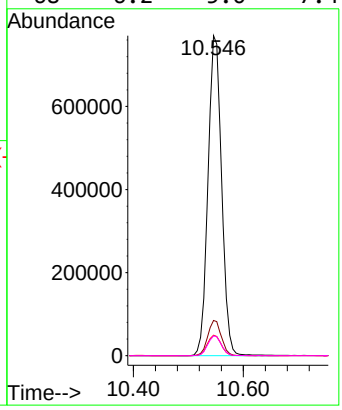


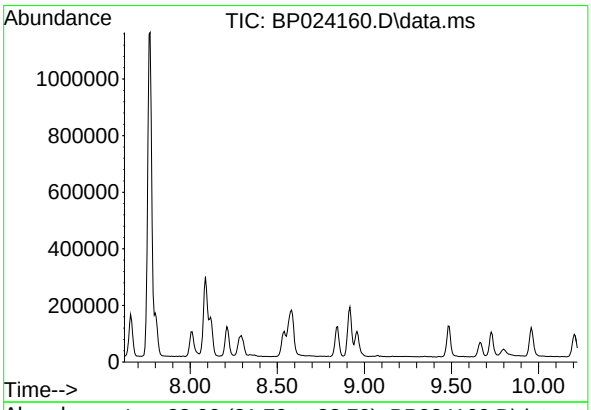

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.546 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

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

Tgt Ion:136 Resp: 1324397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 9.0 | 13.4 |
| 54 | 6.4 | 5.3 | 7.9 |
| 68 | 6.2 | 5.0 | 7.4 |



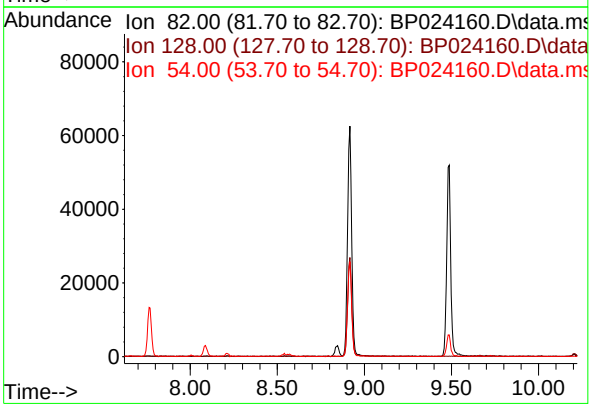



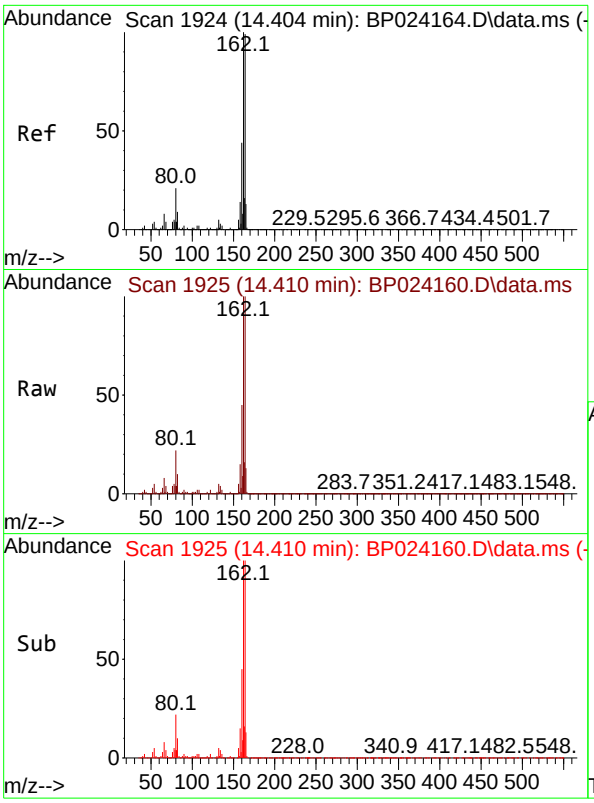

#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.92 min

Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

Tgt Ion: 82

| Sig | Exp Ratio |
|---|---|
| 82 | 100 |
| 128 | 46.7 |
| 54 | 40.6 |



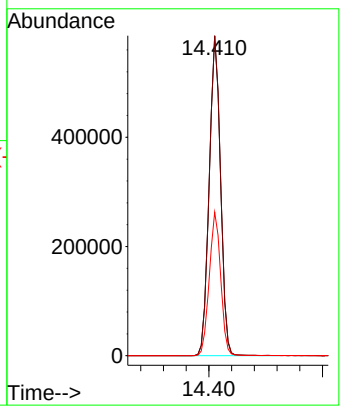


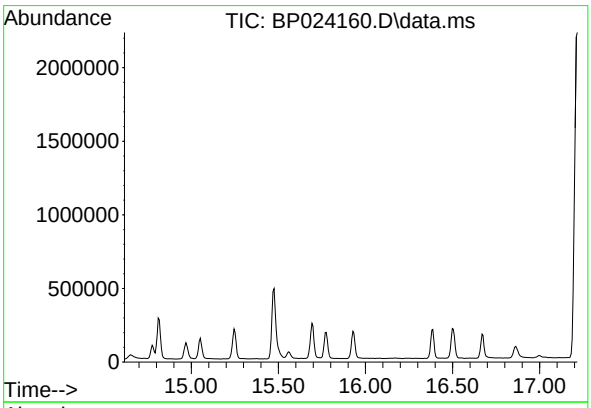

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

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

Tgt Ion:164 Resp: 805172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.1 | 80.6 | 121.0 |
| 160 | 44.9 | 35.4 | 53.2 |



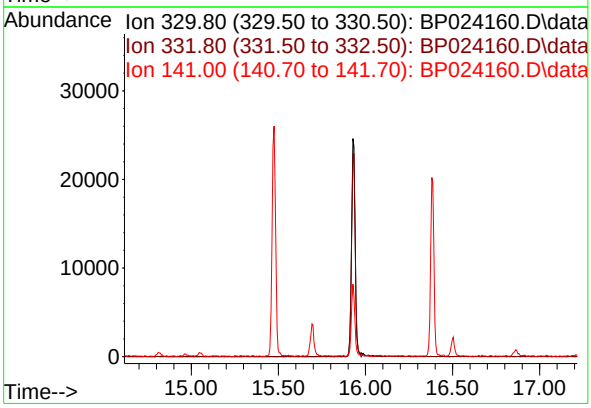



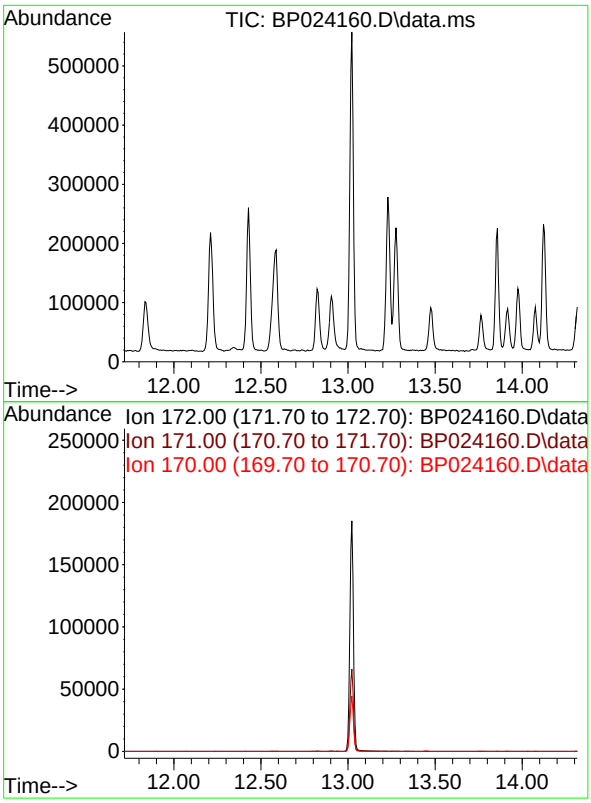

#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.92 min

Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

Tgt Ion: 330

| Sig | Exp Ratio |
|---|---|
| 330 | 100 |
| 332 | 97.0 |
| 141 | 31.3 |





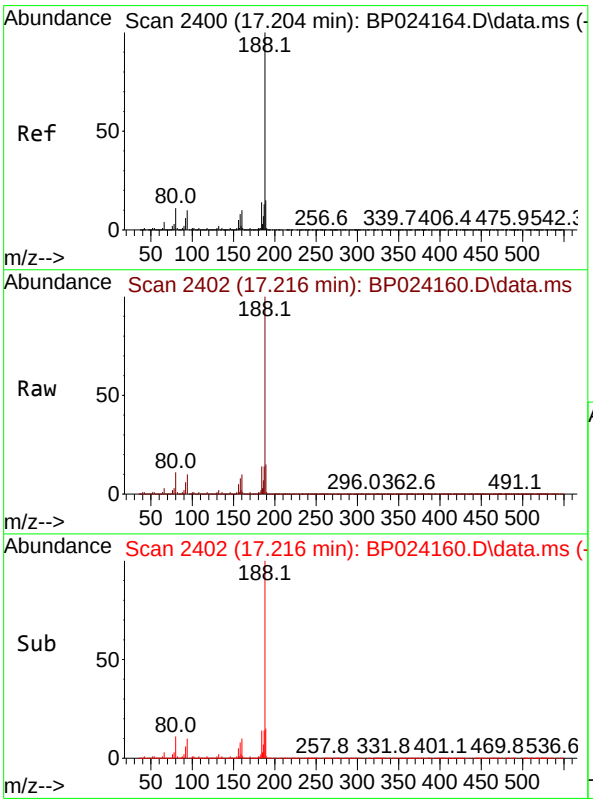

#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.02 min

Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

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

Tgt Ion: 172

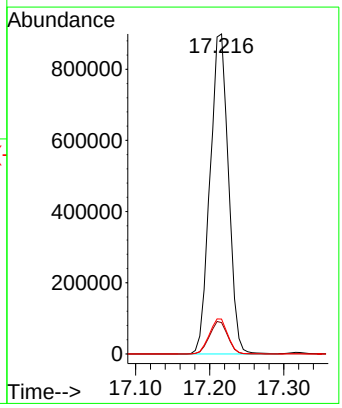
| Sig | Exp Ratio |
|---|---|
| 172 | 100 |
| 171 | 35.4 |
| 170 | 23.7 |

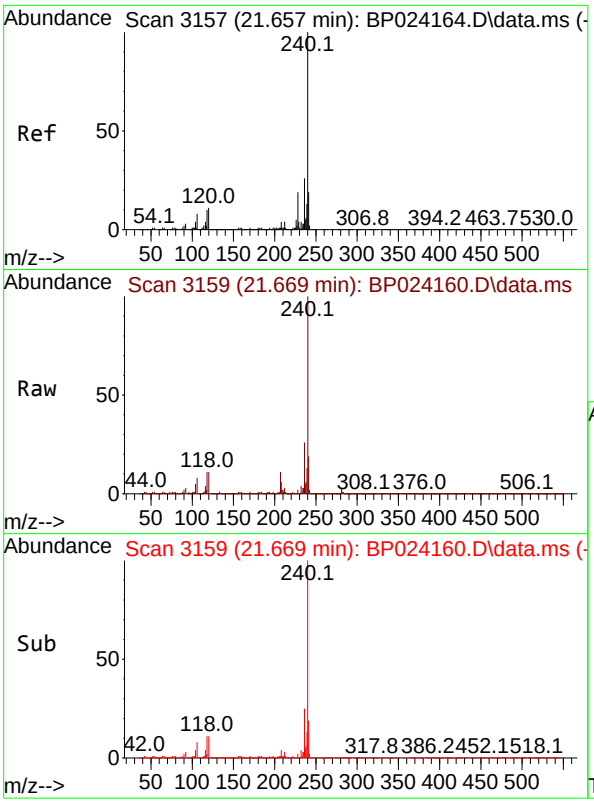



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2402
Delta R.T. 0.012 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

Tgt Ion:188 Resp: 1551813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.8 | 8.1 | 12.1 |
| 80 | 10.9 | 8.9 | 13.3 |



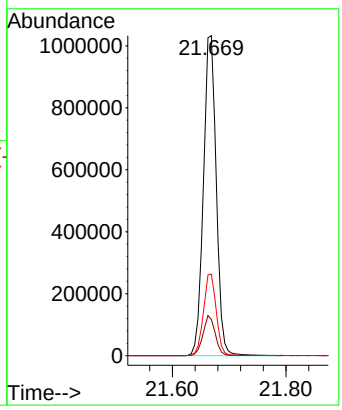


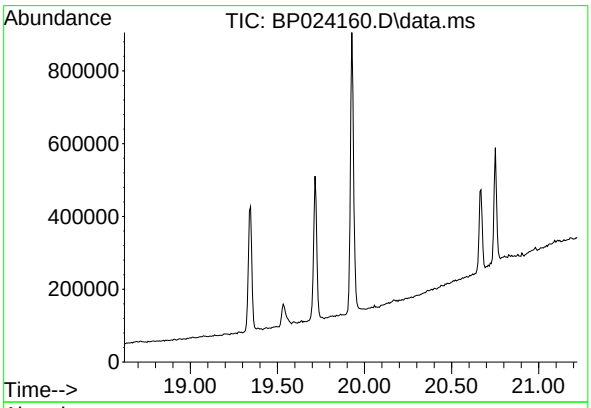

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.669 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

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

Tgt Ion:240 Resp: 1615554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.3 | 9.2 | 13.8 |
| 236 | 25.5 | 20.4 | 30.6 |



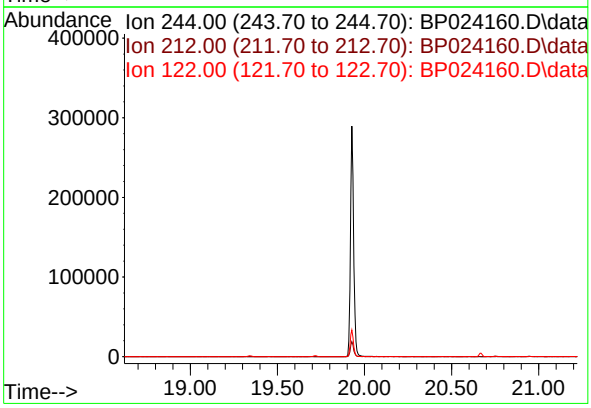



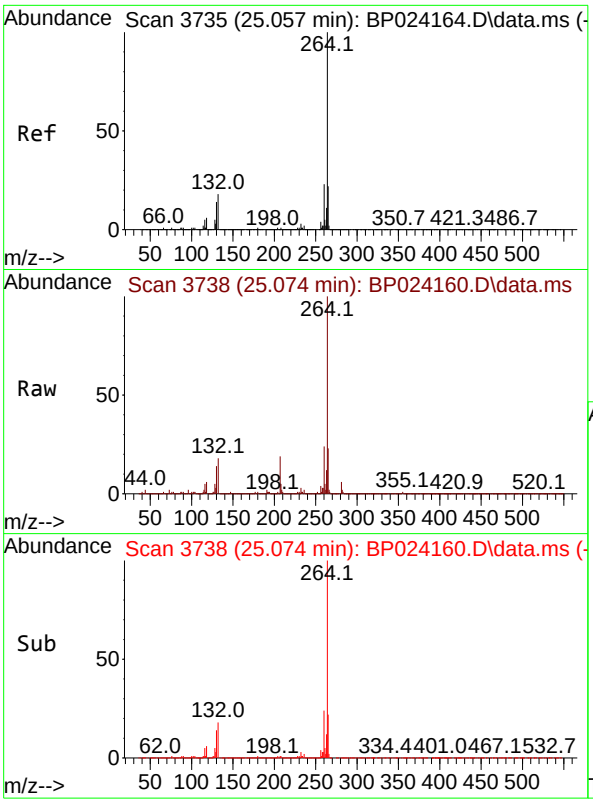

#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.92 min

Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

Tgt Ion: 244

| Sig | Exp Ratio |
|---|---|
| 244 | 100 |
| 212 | 7.1 |
| 122 | 12.0 |



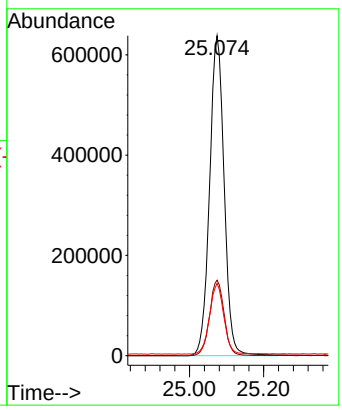



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.074 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

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

Tgt Ion:264 Resp: 1740877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 18.5 | 27.7 |
| 265 | 22.6 | 17.7 | 26.5 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024161.D
Acq On : 12 Mar 2025 16:57
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Mar 13 04:05:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.769 | 152 | 318045 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.552 | 136 | 1309940 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.410 | 164 | 799469 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.222 | 188 | 1516956 | 20.000 | ng | | 0.02 |
| 76) Chrysene-d12 | 21.669 | 240 | 1578855 | 20.000 | ng | | 0.01 |
| 86) Perylene-d12 | 25.080 | 264 | 1694453 | 20.000 | ng | | 0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.381 | 112 | 184089 | 9.032 | ng | | 0.00 |
| 7) Phenol-d6 | 6.952 | 99 | 241350 | 9.213 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.916 | 82 | 216074 | 9.202 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.934 | 330 | 81159 | 8.288 | ng | | 0.02 |
| 45) 2-Fluorobiphenyl | 13.016 | 172 | 545120 | 9.532 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.951 | 244 | 763023 | 9.563 | ng | | 0.03 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.323 | 88 | 40006 | 5.003 | ng | | 97 |
| 3) Pyridine | 3.723 | 79 | 103023 | 4.956 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.628 | 42 | 35306 | 4.788 | ng | # | 92 |
| 6) Aniline | 7.105 | 93 | 119908 | 4.998 | ng | | 100 |
| 8) 2-Chlorophenol | 7.340 | 128 | 99927 | 4.632 | ng | | 98 |
| 9) Benzaldehyde | 6.922 | 77 | 77223m | 6.456 | ng | | |
| 10) Phenol | 6.975 | 94 | 125574 | 4.767 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.199 | 93 | 102214 | 4.926 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.664 | 146 | 116531 | 4.917 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 7.805 | 146 | 119798 | 4.998 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.122 | 146 | 114960 | 4.998 | ng | | 99 |
| 15) Benzyl Alcohol | 8.011 | 79 | 74252 | 4.630 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.287 | 45 | 109209 | 5.422 | ng | | 98 |
| 17) 2-Methylphenol | 8.216 | 107 | 74107 | 4.616 | ng | | 96 |
| 18) Hexachloroethane | 8.846 | 117 | 42376 | 4.909 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 8.569 | 70 | 72383 | 5.139 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.540 | 107 | 100588 | 4.606 | ng | | 98 |
| 22) Acetophenone | 8.587 | 105 | 158185 | 4.699 | ng | # | 99 |
| 24) Nitrobenzene | 8.958 | 77 | 108086 | 4.677 | ng | | 96 |
| 25) Isophorone | 9.487 | 82 | 174338 | 4.540 | ng | | 100 |
| 26) 2-Nitrophenol | 9.669 | 139 | 41305 | 3.880 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.734 | 122 | 60843 | 4.354 | ng | | 96 |
| 28) bis(2-Chloroethoxy)met... | 9.957 | 93 | 135529 | 4.872 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.205 | 162 | 77653 | 4.072 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.416 | 180 | 101518 | 4.646 | ng | | 99 |
| 31) Naphthalene | 10.599 | 128 | 340918 | 4.840 | ng | | 99 |
| 33) 4-Chloroaniline | 10.710 | 127 | 112776 | 4.545 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.887 | 225 | 58080 | 4.589 | ng | | 97 |
| 35) Caprolactam | 11.475 | 113 | 23432 | 4.057 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 11.840 | 107 | 85333 | 4.352 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.216 | 142 | 225485 | 4.817 | ng | | 100 |
| 38) 1-Methylnaphthalene | 12.434 | 142 | 220784 | 4.848 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.587 | 216 | 109528 | 4.459 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.569 | 237 | 33755 | 3.693 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 12.822 | 196 | 58172 | 3.883 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 12.904 | 196 | 66250 | 4.044 | ng | | 98 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024161.D
Acq On : 12 Mar 2025 16:57
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Mar 13 04:05:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

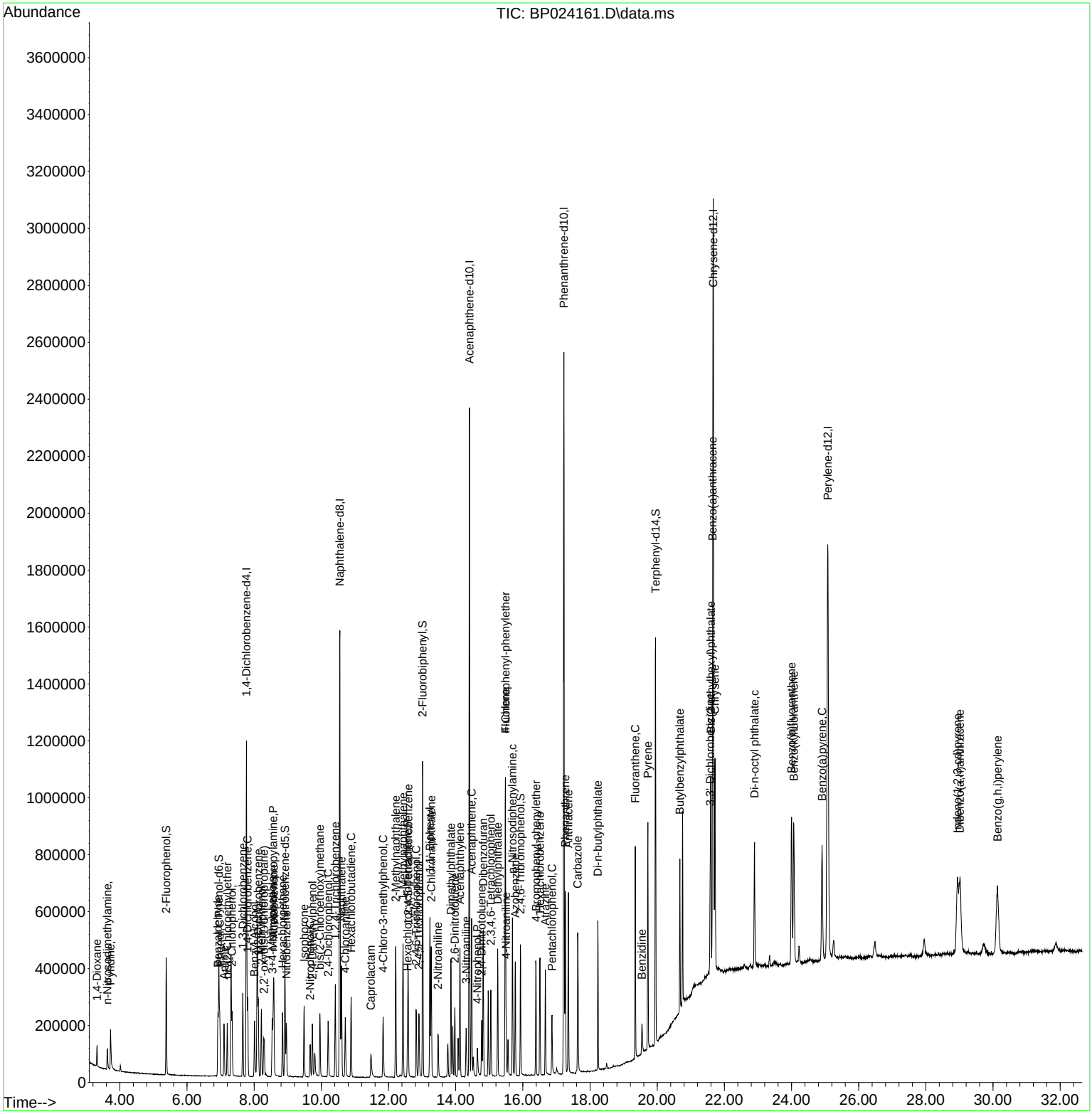
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 46) 1,1'-Biphenyl | 13.234 | 154 | 293289 | 4.721 | ng | 98 |
| 47) 2-Chloronaphthalene | 13.275 | 162 | 221413 | 4.715 | ng | 98 |
| 48) 2-Nitroaniline | 13.475 | 65 | 45667 | 4.117 | ng | 88 |
| 49) Acenaphthylene | 14.128 | 152 | 316902 | 4.580 | ng | 99 |
| 50) Dimethylphthalate | 13.857 | 163 | 270053 | 4.789 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.975 | 165 | 49593 | 4.317 | ng | 97 |
| 52) Acenaphthene | 14.475 | 154 | 211290 | 4.742 | ng | 99 |
| 53) 3-Nitroaniline | 14.310 | 138 | 50611 | 4.129 | ng | 99 |
| 55) Dibenzofuran | 14.822 | 168 | 351651 | 4.858 | ng | 100 |
| 56) 4-Nitrophenol | 14.645 | 139 | 37281 | 3.521 | ng | 93 |
| 57) 2,4-Dinitrotoluene | 14.775 | 165 | 58882 | 3.946 | ng | 90 |
| 58) Fluorene | 15.481 | 166 | 261676 | 4.629 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.045 | 232 | 63120 | 4.441 | ng | 98 |
| 60) Diethylphthalate | 15.251 | 149 | 259242 | 4.631 | ng | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.481 | 204 | 131441 | 4.724 | ng | 99 |
| 62) 4-Nitroaniline | 15.498 | 138 | 49239 | 3.871 | ng | 95 |
| 63) Azobenzene | 15.775 | 77 | 242768 | 4.628 | ng | 97 |
| 66) n-Nitrosodiphenylamine | 15.692 | 169 | 213927 | 4.522 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.392 | 248 | 78309 | 4.597 | ng | 93 |
| 68) Hexachlorobenzene | 16.510 | 284 | 94130 | 4.696 | ng | 98 |
| 69) Atrazine | 16.669 | 200 | 62551 | 5.152 | ng | 98 |
| 70) Pentachlorophenol | 16.869 | 266 | 45885 | 3.525 | ng | 99 |
| 71) Phenanthrene | 17.263 | 178 | 404881 | 4.734 | ng | 99 |
| 72) Anthracene | 17.357 | 178 | 376601 | 4.595 | ng | 99 |
| 73) Carbazole | 17.634 | 167 | 349000 | 4.469 | ng | 99 |
| 74) Di-n-butylphthalate | 18.234 | 149 | 389057 | 4.270 | ng | 99 |
| 75) Fluoranthene | 19.351 | 202 | 444670 | 4.597 | ng | 97 |
| 77) Benzidine | 19.545 | 184 | 87777 | 4.562 | ng | 98 |
| 78) Pyrene | 19.722 | 202 | 464704 | 4.634 | ng | 99 |
| 80) Butylbenzylphthalate | 20.675 | 149 | 157601 | 4.101 | ng | 99 |
| 81) Benzo(a)anthracene | 21.651 | 228 | 471347 | 4.761 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.580 | 252 | 134146 | 4.336 | ng | 99 |
| 83) Chrysene | 21.722 | 228 | 467600 | 4.898 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.598 | 149 | 242048 | 4.153 | ng | 99 |
| 85) Di-n-octyl phthalate | 22.898 | 149 | 363786 | 3.905 | ng | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 28.945 | 276 | 539523 | 4.476 | ng | 97 |
| 88) Benzo(b)fluoranthene | 24.004 | 252 | 467406 | 4.344 | ng | 99 |
| 89) Benzo(k)fluoranthene | 24.069 | 252 | 462653 | 4.417 | ng | 99 |
| 90) Benzo(a)pyrene | 24.910 | 252 | 403692 | 4.421 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 29.015 | 278 | 450461 | 4.444 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 30.133 | 276 | 464721 | 4.518 | ng | 99 |

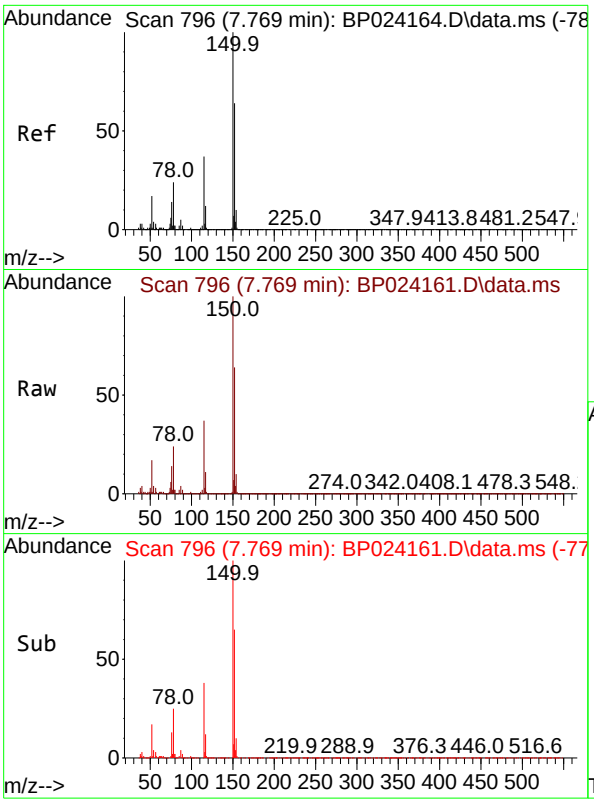
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BP024161.D
Acq On : 12 Mar 2025 16:57
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Mar 13 04:05:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration



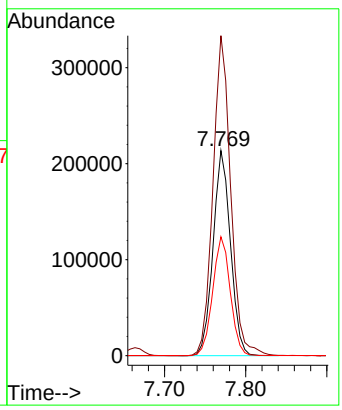


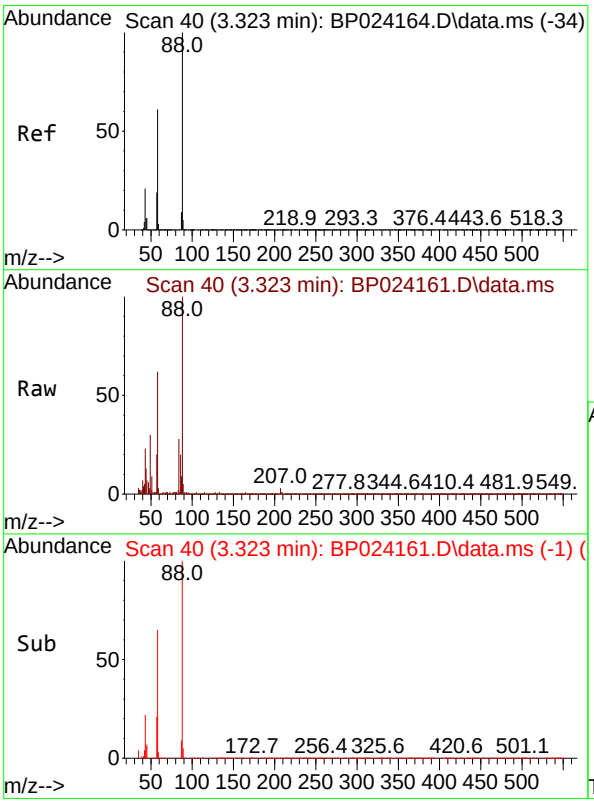

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:152 Resp: 318045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.0 | 125.5 | 188.3 |
| 115 | 57.9 | 46.3 | 69.5 |

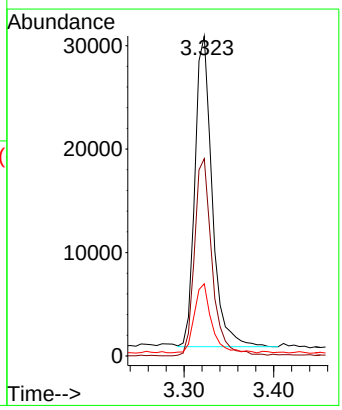


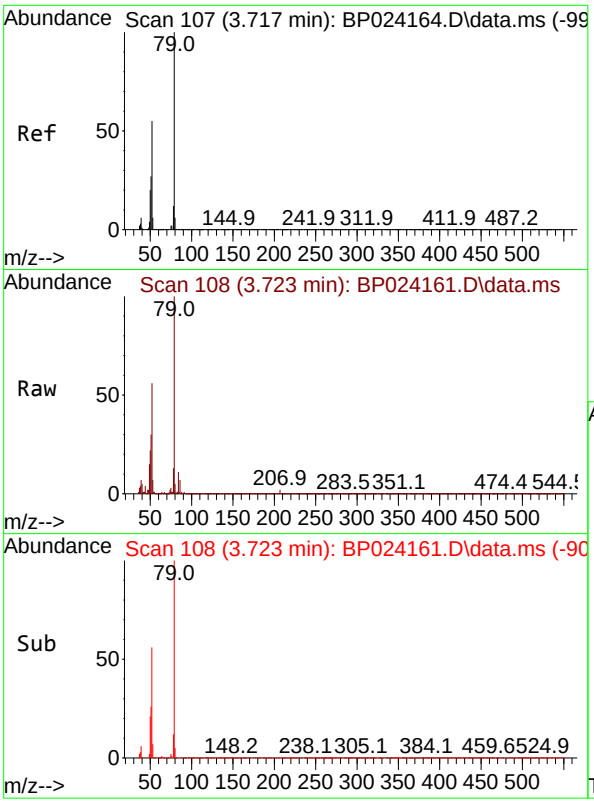




#2
1,4-Dioxane
Concen: 5.003 ng
RT: 3.323 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion: 88 Resp: 40006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 64.7 | 49.8 | 74.6 |
| 43 | 22.3 | 17.3 | 25.9 |



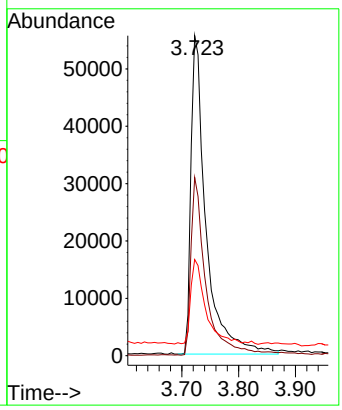


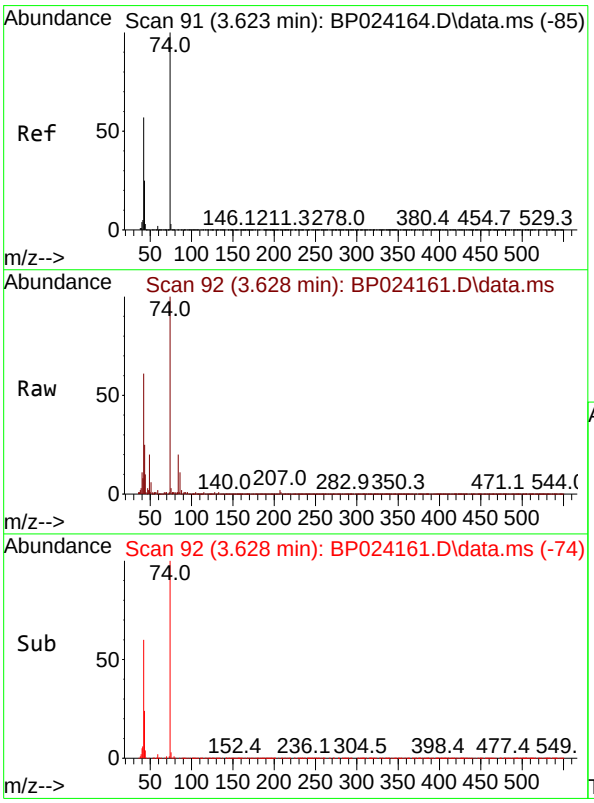

#3
Pyridine
Concen: 4.956 ng
RT: 3.723 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion: 79 Resp: 103023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 55.7 | 43.8 | 65.8 |
| 51 | 30.1 | 21.6 | 32.4 |

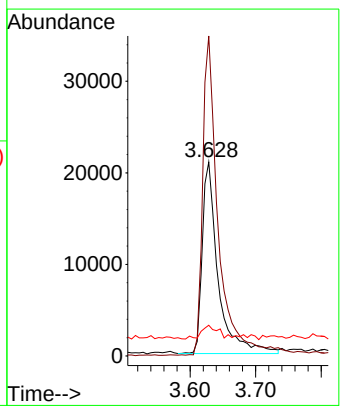


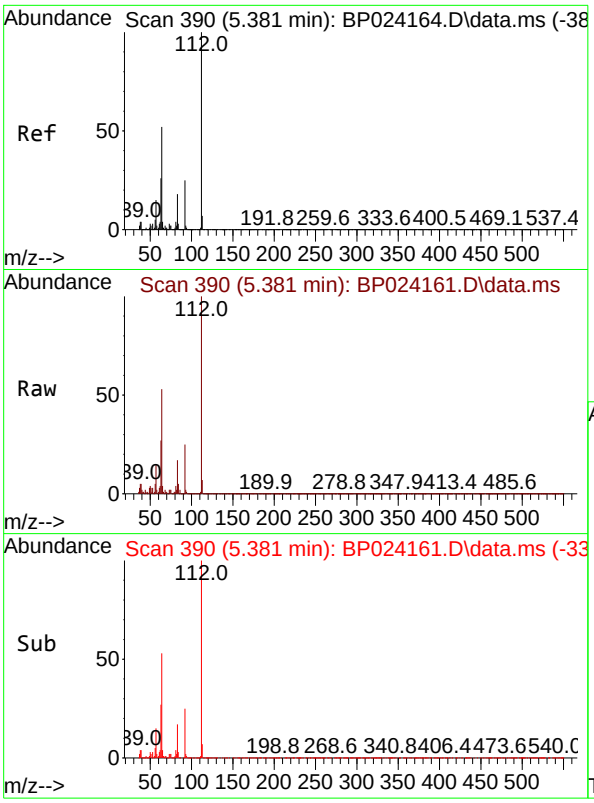




#4
n-Nitrosodimethylamine
Concen: 4.788 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion: 42 Resp: 35306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 165.1 | 139.8 | 209.6 |
| 44 | 15.9 | 5.3 | 7.9# |



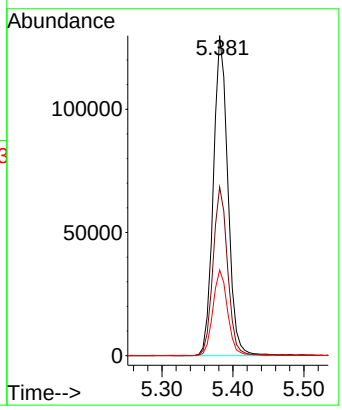


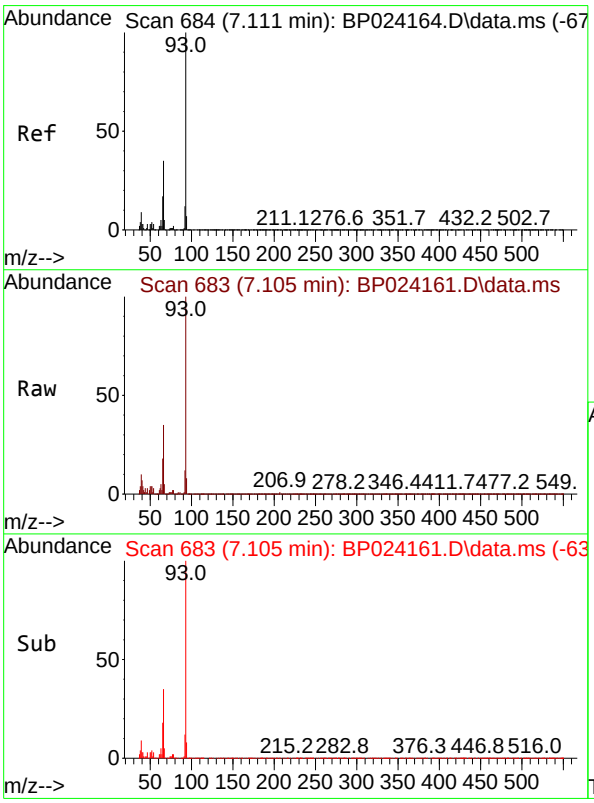

#5
2-Fluorophenol
Concen: 9.032 ng
RT: 5.381 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:112 Resp: 184089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.7 | 41.3 | 61.9 |
| 63 | 26.7 | 20.6 | 31.0 |

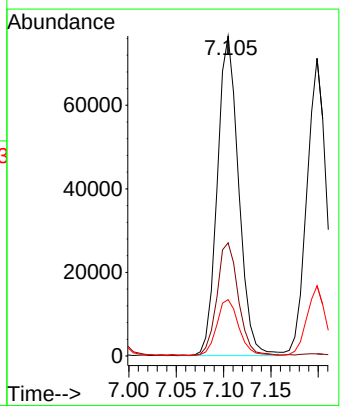


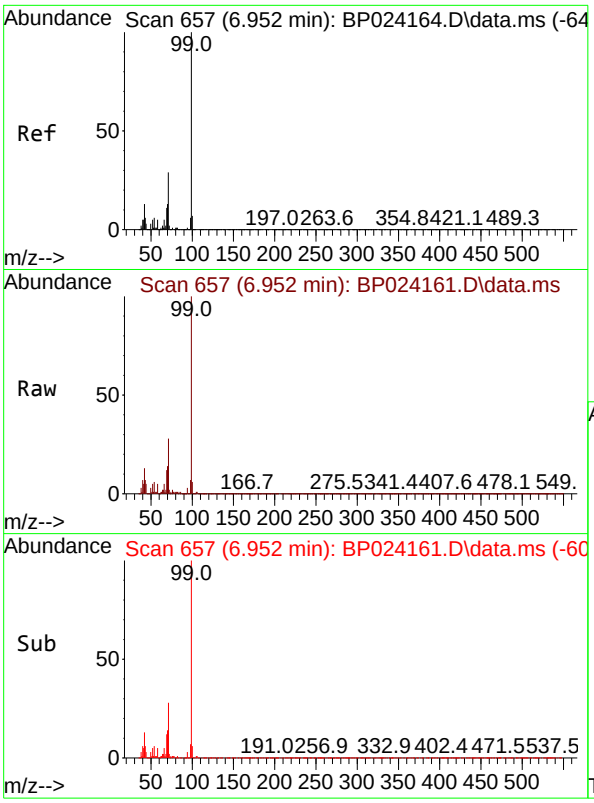




#6
Aniline
Concen: 4.998 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion: 93 Resp: 119908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 35.3 | 28.2 | 42.2 |
| 65 | 17.6 | 14.0 | 21.0 |



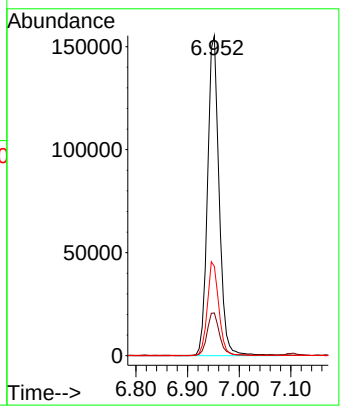


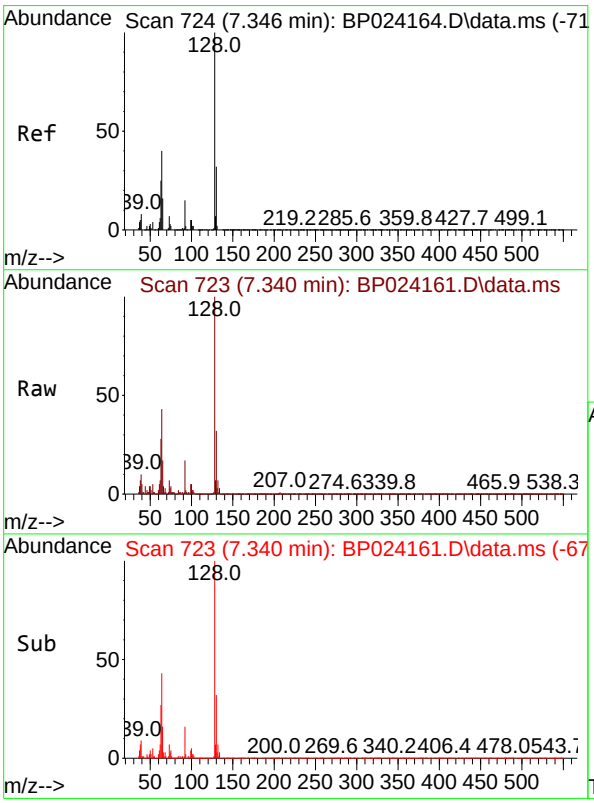

#7
Phenol-d6
Concen: 9.213 ng
RT: 6.952 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion: 99 Resp: 241350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.3 | 10.6 | 16.0 |
| 71 | 27.9 | 23.3 | 34.9 |

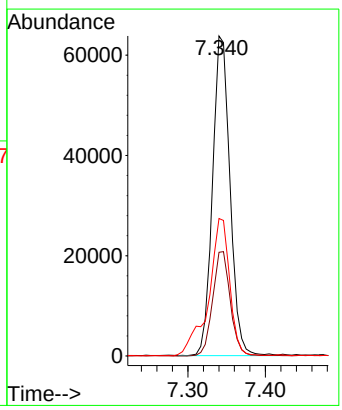


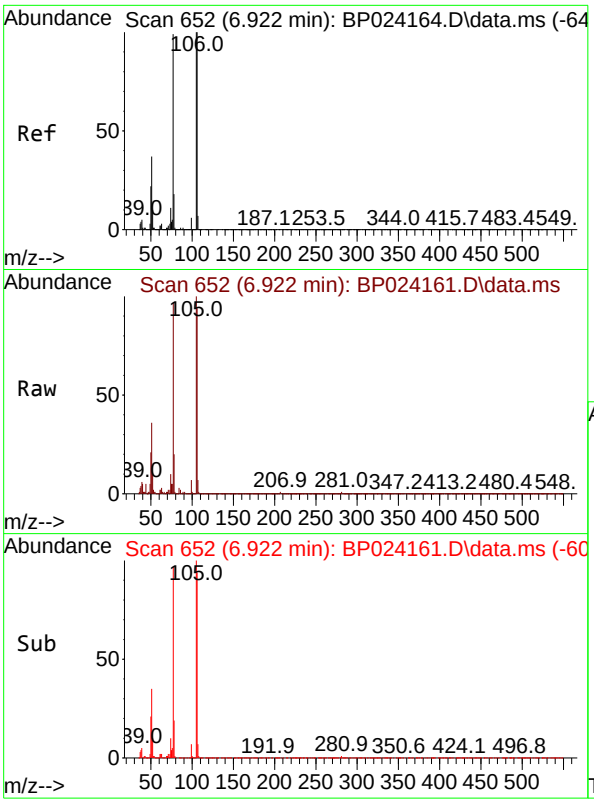




#8
2-Chlorophenol
Concen: 4.632 ng
RT: 7.340 min Scan# 723
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:128 Resp: 99927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.4 | 12.0 | 52.0 |
| 64 | 43.0 | 21.6 | 61.6 |



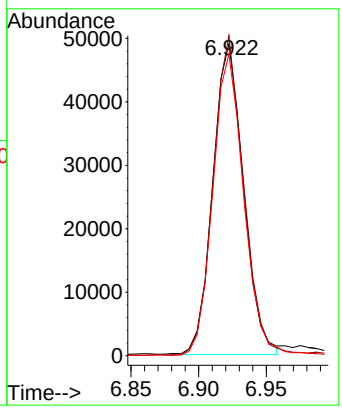


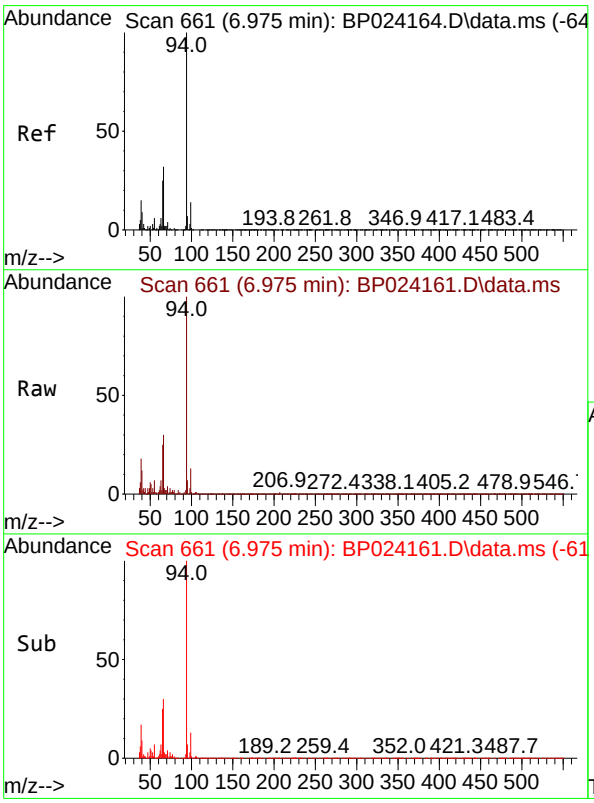

#9
Benzaldehyde
Concen: 6.456 ng m
RT: 6.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion: 77 Resp: 77223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 102.6 | 81.4 | 121.4 |
| 106 | 96.7 | 81.1 | 121.1 |

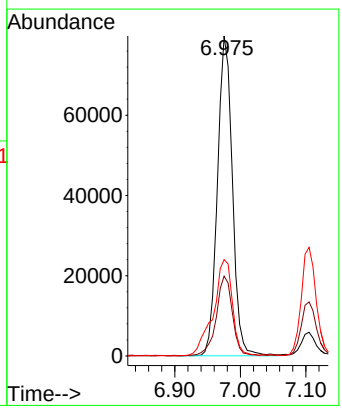


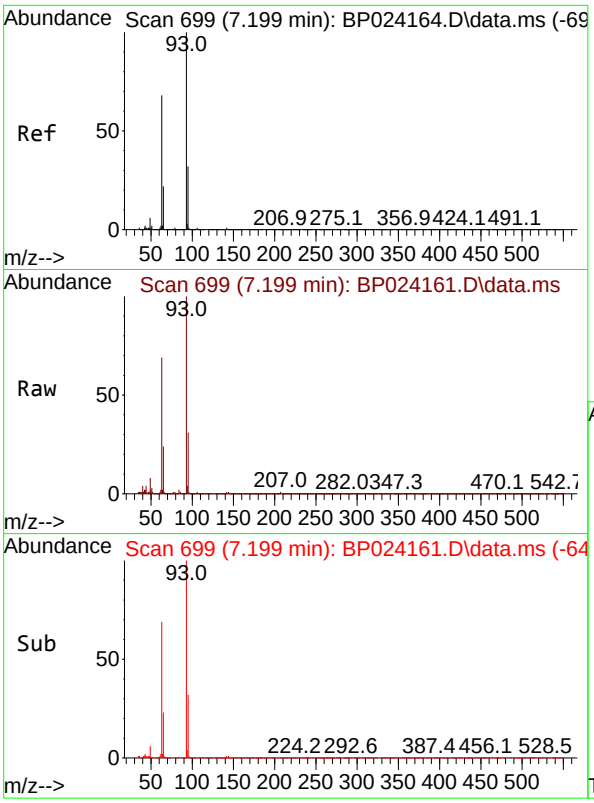




#10
Phenol
Concen: 4.767 ng
RT: 6.975 min Scan# 661
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion: 94 Resp: 125574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 24.9 | 4.9 | 44.9 |
| 66 | 30.1 | 11.9 | 51.9 |



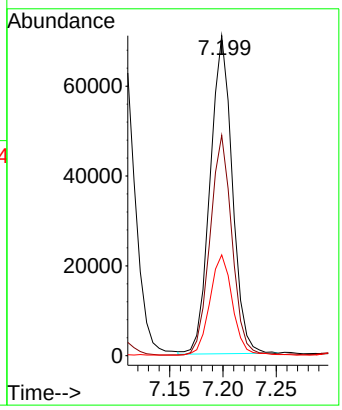


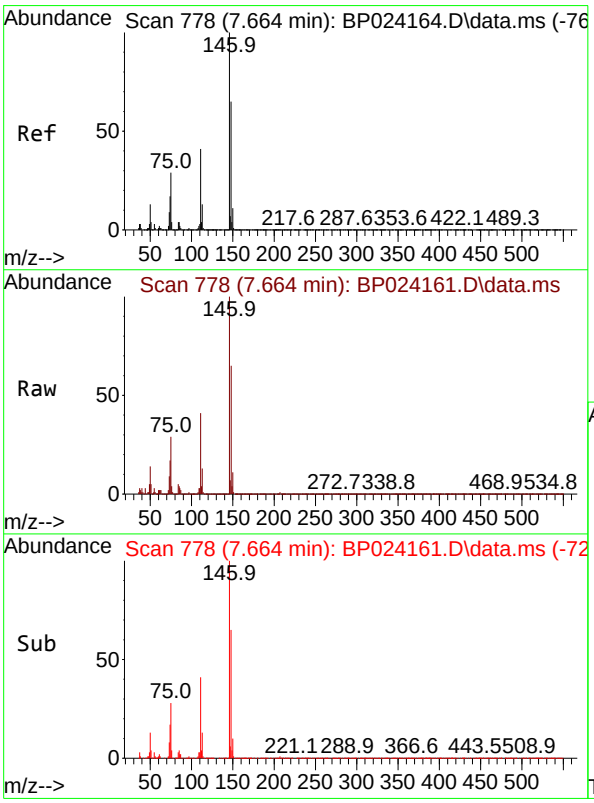

#11
bis(2-Chloroethyl)ether
Concen: 4.926 ng
RT: 7.199 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion: 93 Resp: 102214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 68.8 | 47.4 | 87.4 |
| 95 | 31.5 | 12.1 | 52.1 |

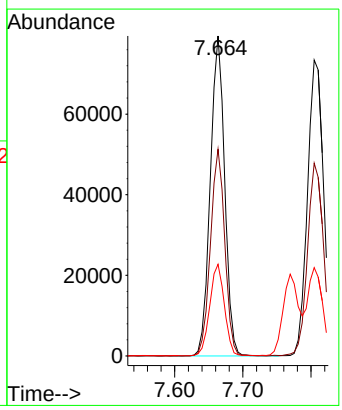


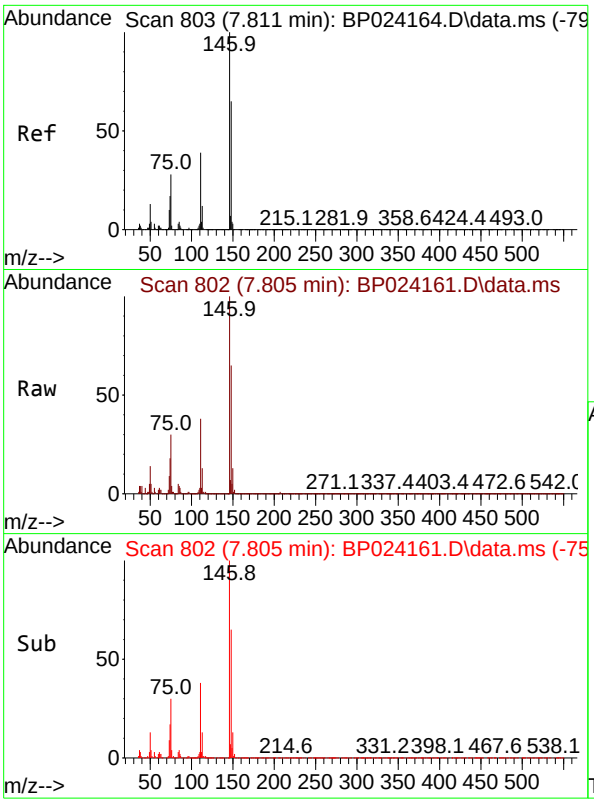




#12
1,3-Dichlorobenzene
Concen: 4.917 ng
RT: 7.664 min Scan# 778
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:146 Resp: 116531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.6 | 51.6 | 77.4 |
| 75 | 28.6 | 22.8 | 34.2 |



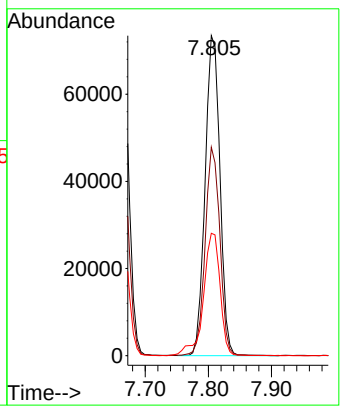


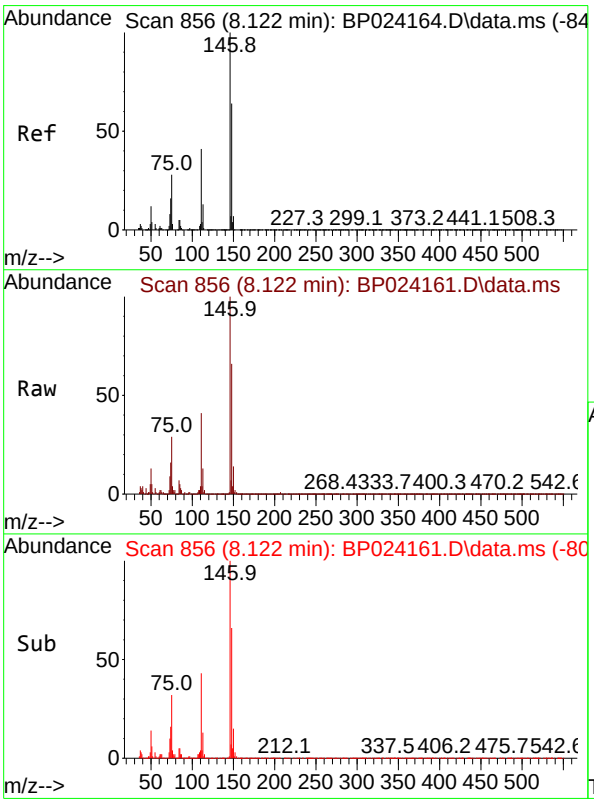

#13
1,4-Dichlorobenzene
Concen: 4.998 ng
RT: 7.805 min Scan# 8(
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:146 Resp: 119798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.2 | 51.9 | 77.9 |
| 111 | 38.3 | 31.4 | 47.2 |

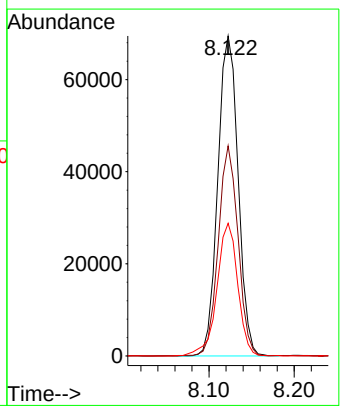


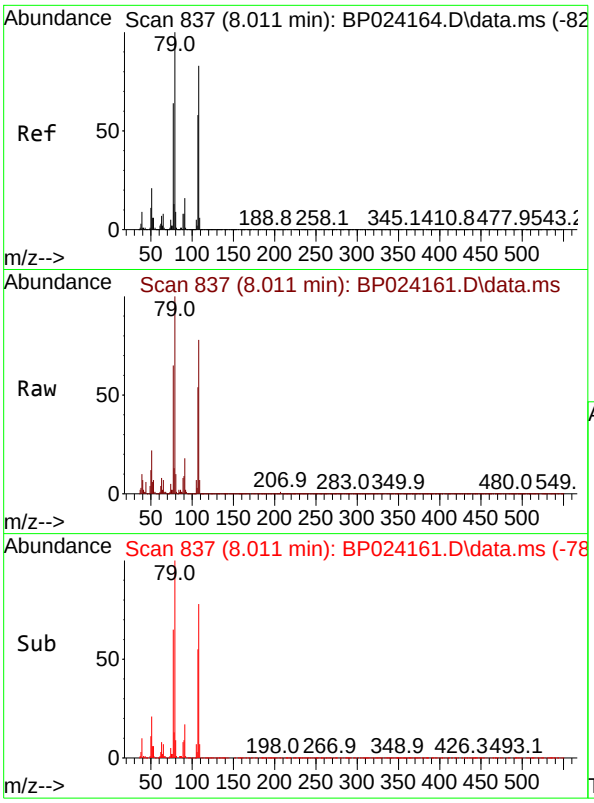




#14
1,2-Dichlorobenzene
Concen: 4.998 ng
RT: 8.122 min Scan# 856
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:146 Resp: 114960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.7 | 51.4 | 77.2 |
| 111 | 41.4 | 33.2 | 49.8 |



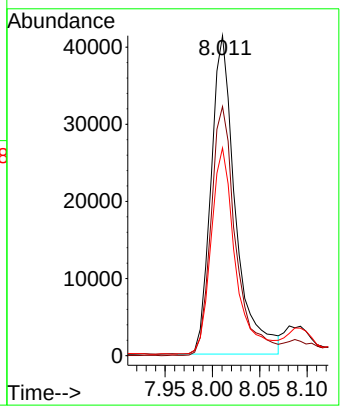


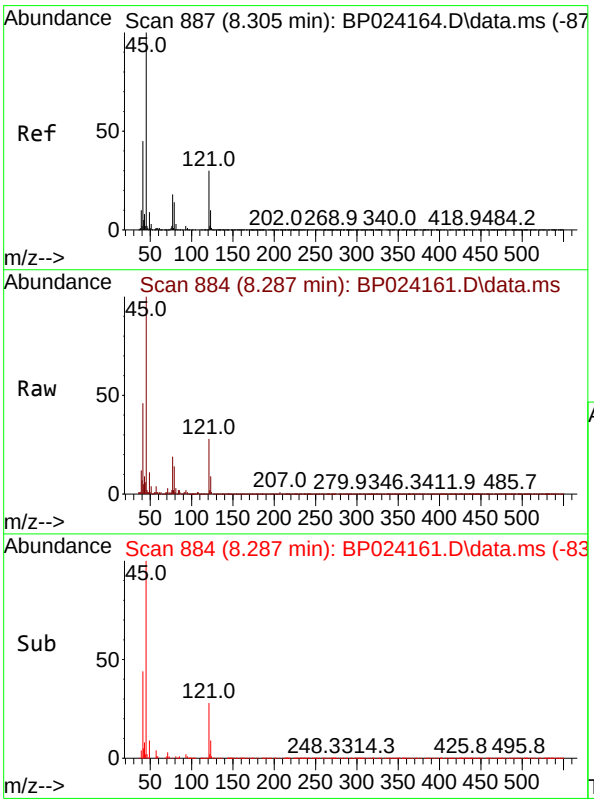

#15
Benzyl Alcohol
Concen: 4.630 ng
RT: 8.011 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion: 79 Resp: 74252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 77.9 | 66.5 | 99.7 |
| 77 | 64.9 | 50.9 | 76.3 |

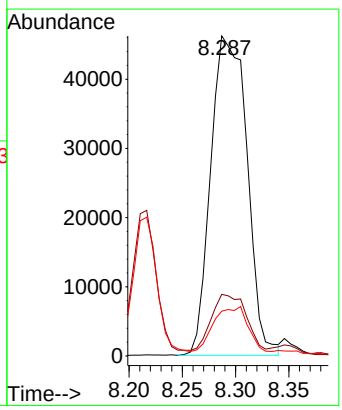


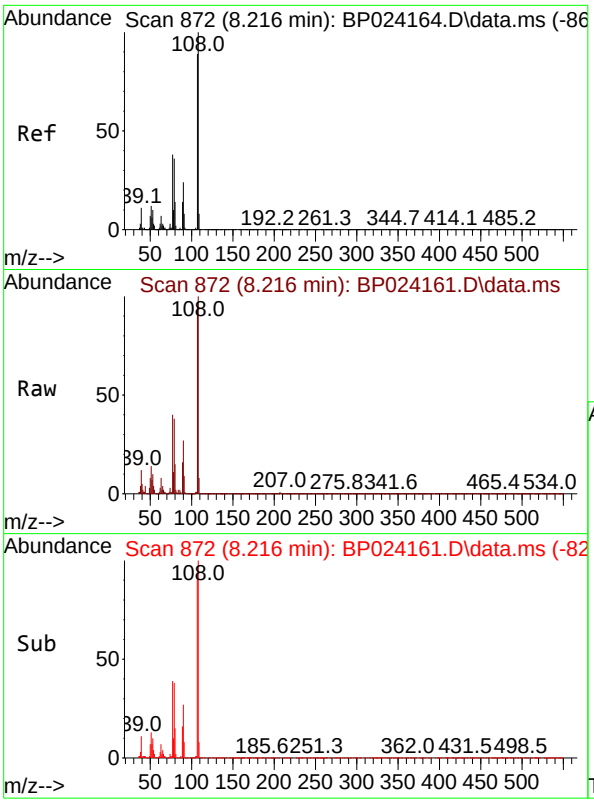




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.422 ng
RT: 8.287 min Scan# 884
Delta R.T. -0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion: 45 Resp: 109209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 19.2 | 0.0 | 39.0 |
| 79 | 14.0 | 0.0 | 35.6 |



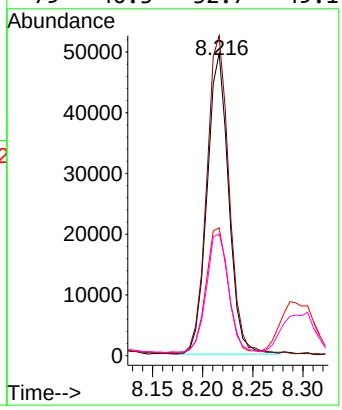


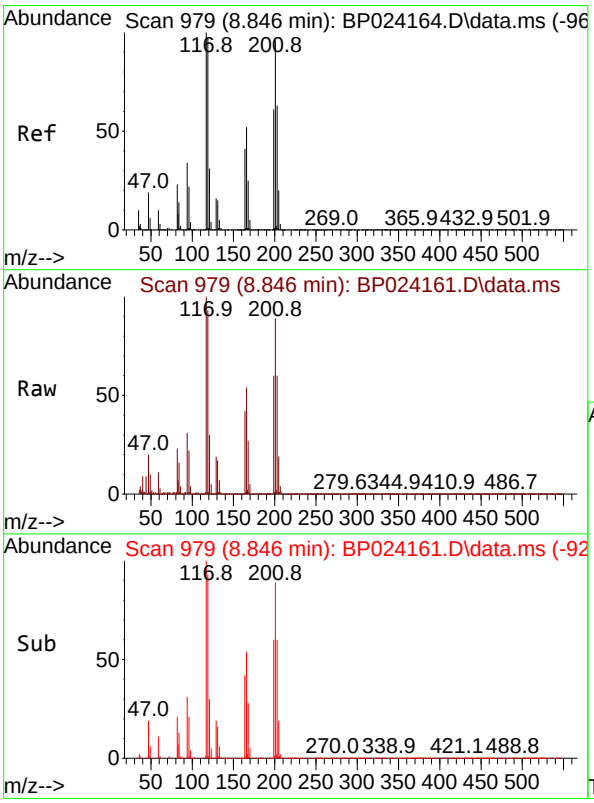

#17
2-Methylphenol
Concen: 4.616 ng
RT: 8.216 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:107 Resp: 74107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 105.7 | 90.0 | 135.0 |
| 77 | 42.2 | 34.0 | 51.0 |
| 79 | 40.3 | 32.7 | 49.1 |

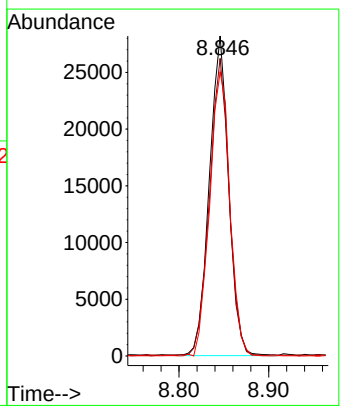


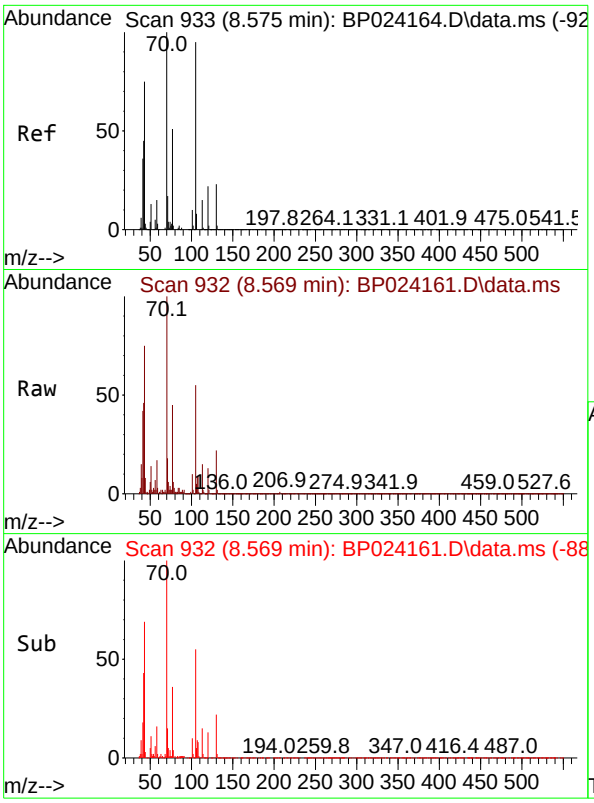




#18
Hexachloroethane
Concen: 4.909 ng
RT: 8.846 min Scan# 979
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:117 Resp: 42376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 93.0 | 77.4 | 116.0 |
| 201 | 91.0 | 76.6 | 114.8 |



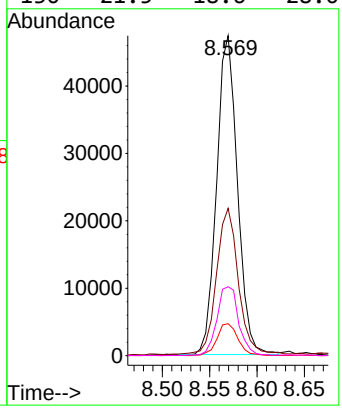


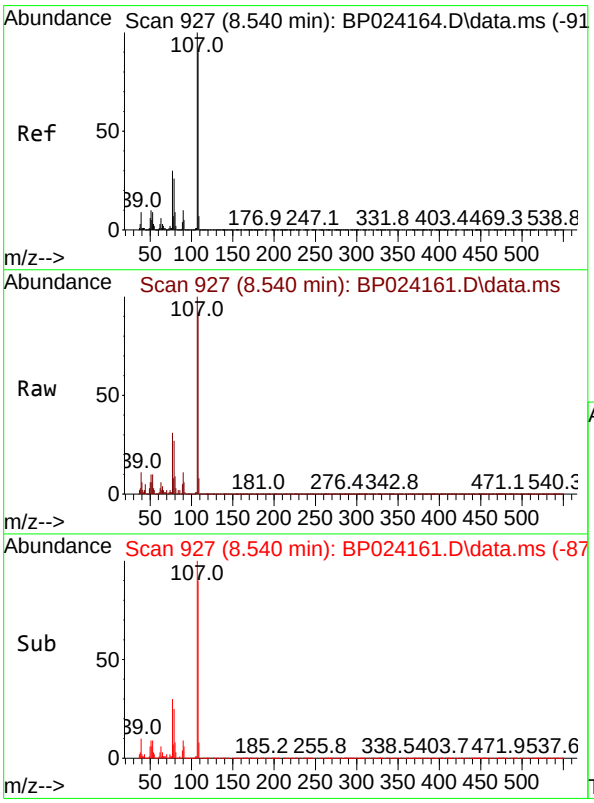

#19
n-Nitroso-di-n-propylamine
Concen: 5.139 ng
RT: 8.569 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion: 70 Resp: 72383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 46.0 | 36.0 | 54.0 |
| 101 | 10.0 | 8.3 | 12.5 |
| 130 | 21.5 | 18.6 | 28.0 |

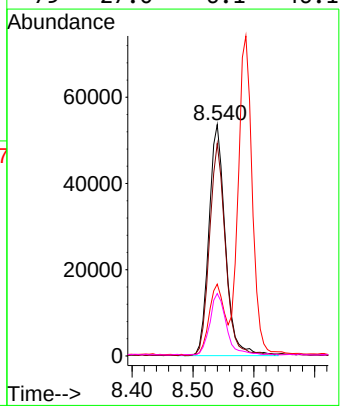


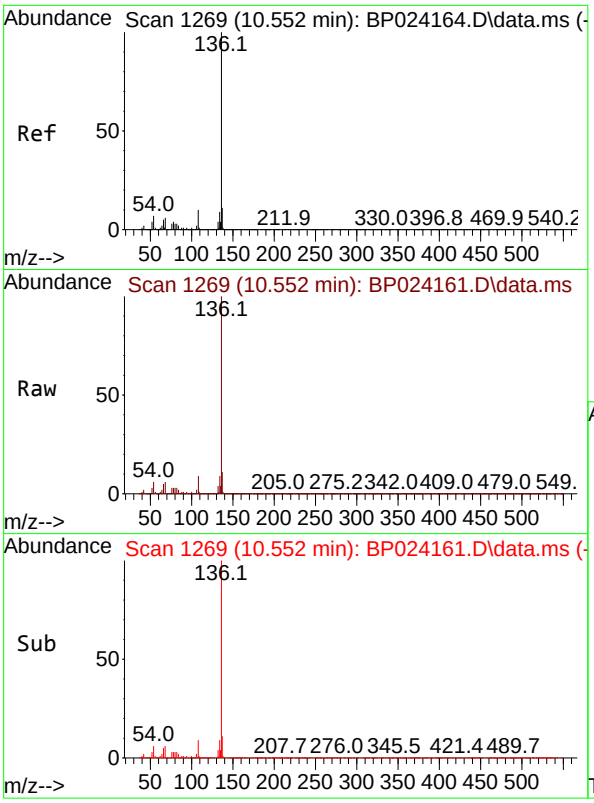




#20
3+4-Methylphenols
Concen: 4.606 ng
RT: 8.540 min Scan# 927
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:107 Resp: 100588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.8 | 69.7 | 109.7 |
| 77 | 31.0 | 10.3 | 50.3 |
| 79 | 27.0 | 6.1 | 46.1 |



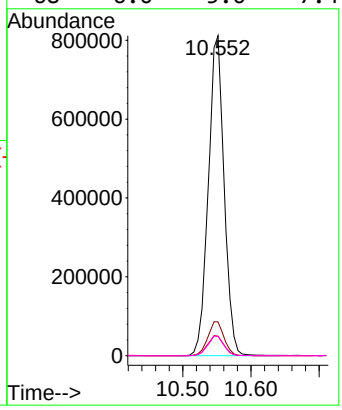


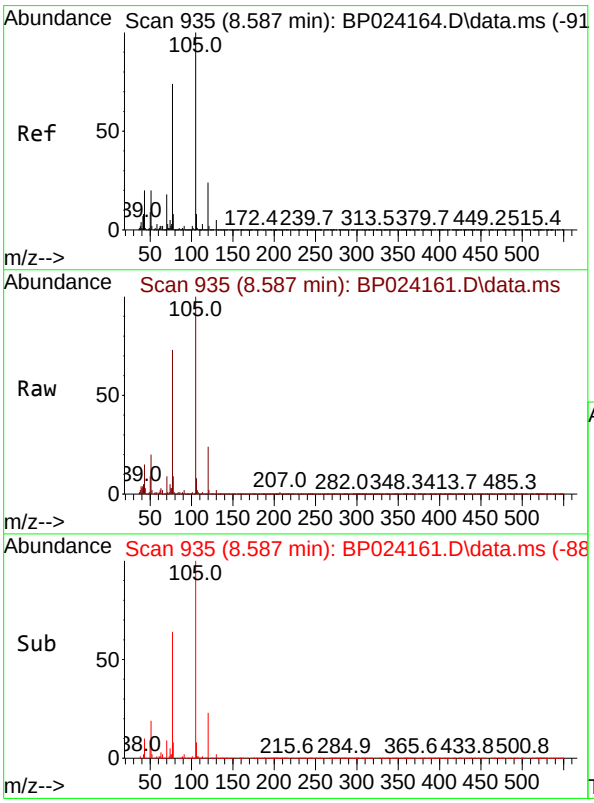

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.552 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:136 Resp: 1309940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 9.0 | 13.4 |
| 54 | 6.1 | 5.3 | 7.9 |
| 68 | 6.0 | 5.0 | 7.4 |

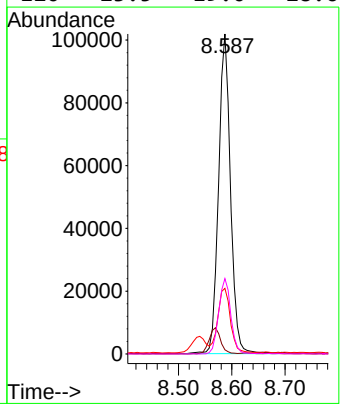


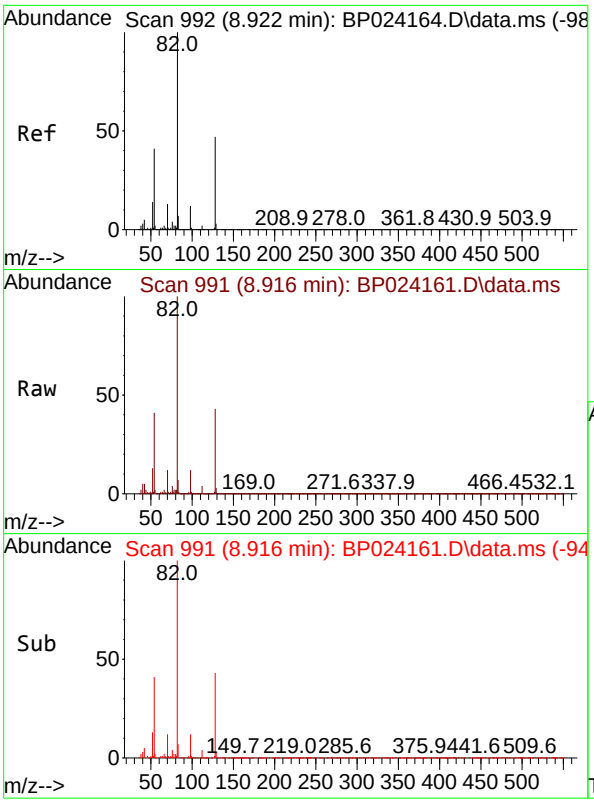




#22
Acetophenone
Concen: 4.699 ng
RT: 8.587 min Scan# 935
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:105 Resp: 158185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 1.3 | 2.4 | 3.6# |
| 51 | 20.5 | 16.2 | 24.2 |
| 120 | 23.5 | 19.0 | 28.6 |



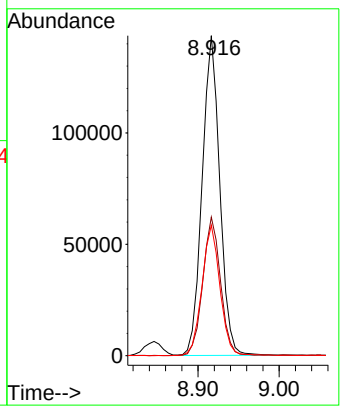


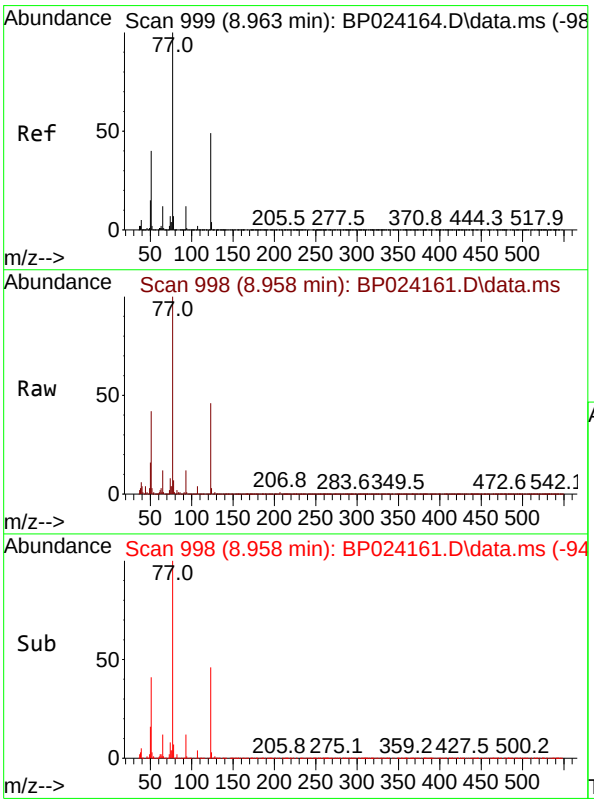

#23
Nitrobenzene-d5
Concen: 9.202 ng
RT: 8.916 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion: 82 Resp: 216074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.3 | 37.4 | 56.0 |
| 54 | 40.8 | 32.5 | 48.7 |

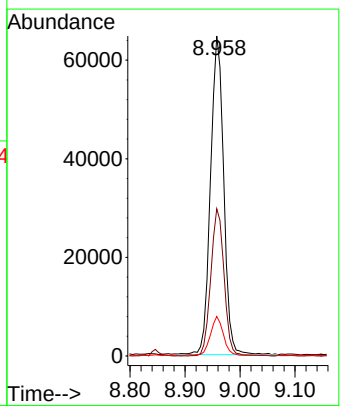


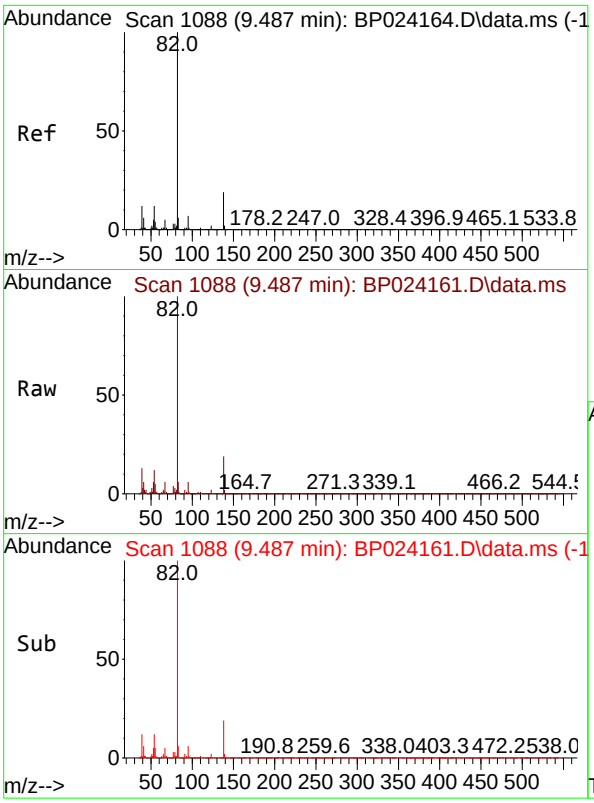




#24
Nitrobenzene
Concen: 4.677 ng
RT: 8.958 min Scan# 998
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion: 77 Resp: 108086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.0 | 39.4 | 59.2 |
| 65 | 12.4 | 9.9 | 14.9 |



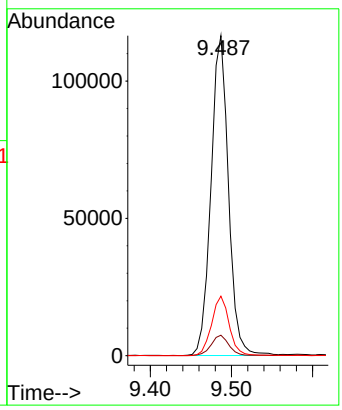


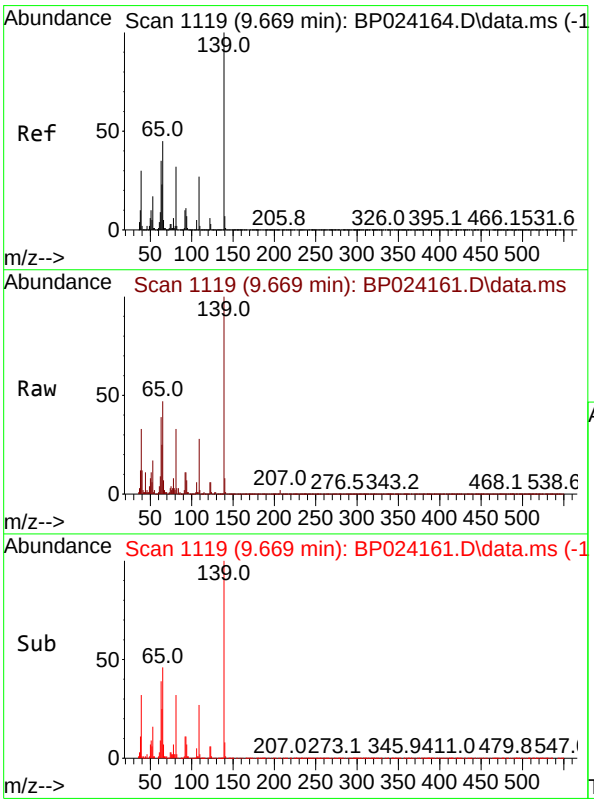

#25
Isophorone
Concen: 4.540 ng
RT: 9.487 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion: 82 Resp: 174338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.4 | 5.3 | 7.9 |
| 138 | 18.6 | 14.8 | 22.2 |

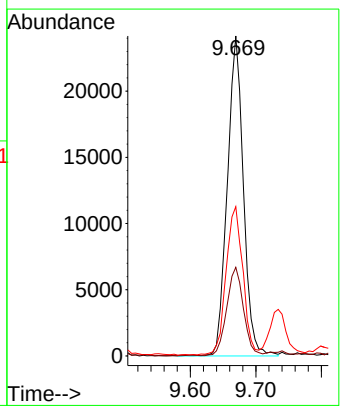


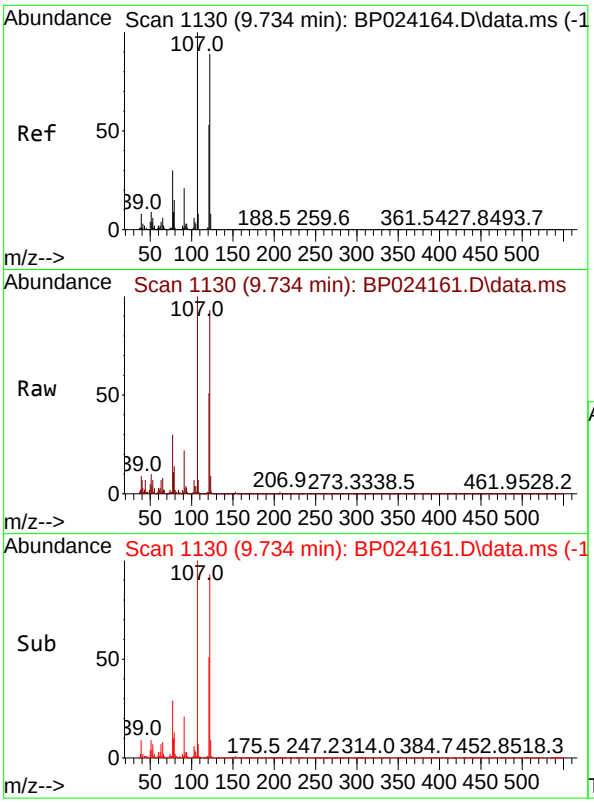




#26
2-Nitrophenol
Concen: 3.880 ng
RT: 9.669 min Scan# 1119
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:139 Resp: 41305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 27.7 | 21.7 | 32.5 |
| 65 | 46.6 | 35.8 | 53.8 |



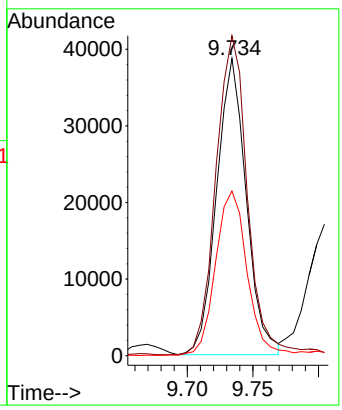


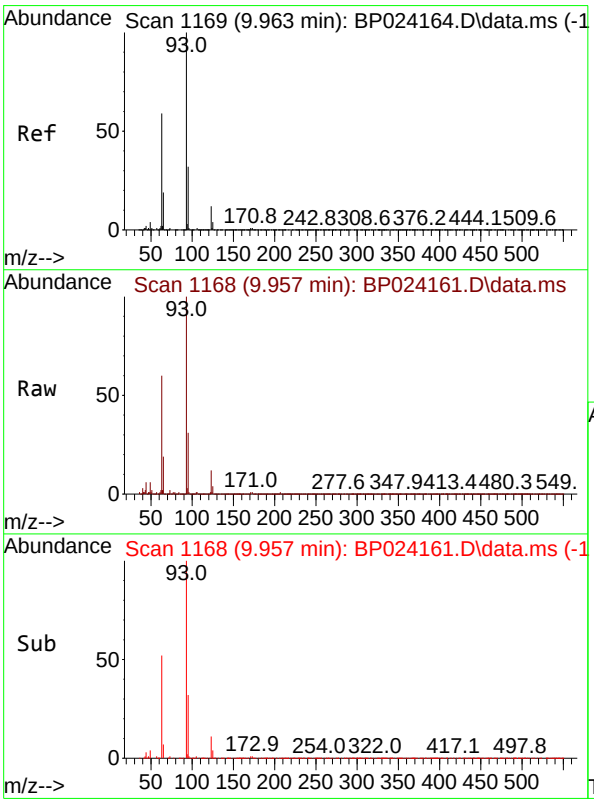

#27
2,4-Dimethylphenol
Concen: 4.354 ng
RT: 9.734 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:122 Resp: 60843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 107.7 | 89.3 | 133.9 |
| 121 | 55.4 | 47.5 | 71.3 |

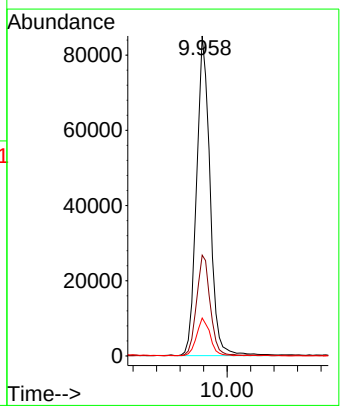


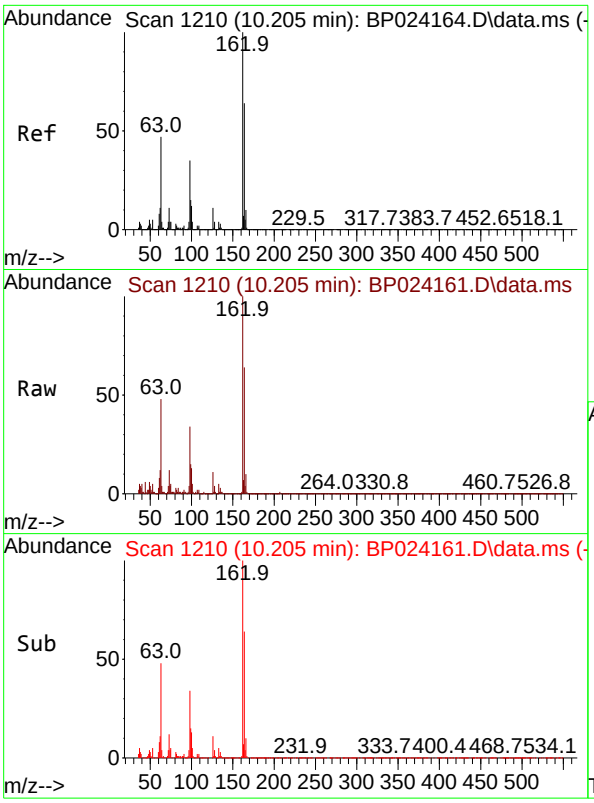




#28
bis(2-Chloroethoxy)methane
Concen: 4.872 ng
RT: 9.957 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion: 93 Resp: 135529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 31.5 | 25.9 | 38.9 |
| 123 | 11.9 | 9.5 | 14.3 |



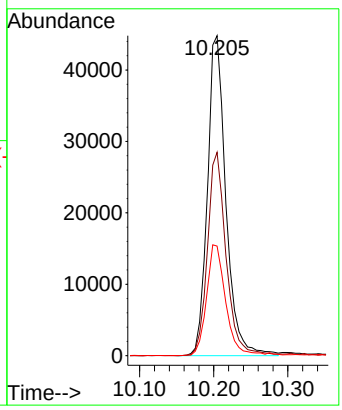


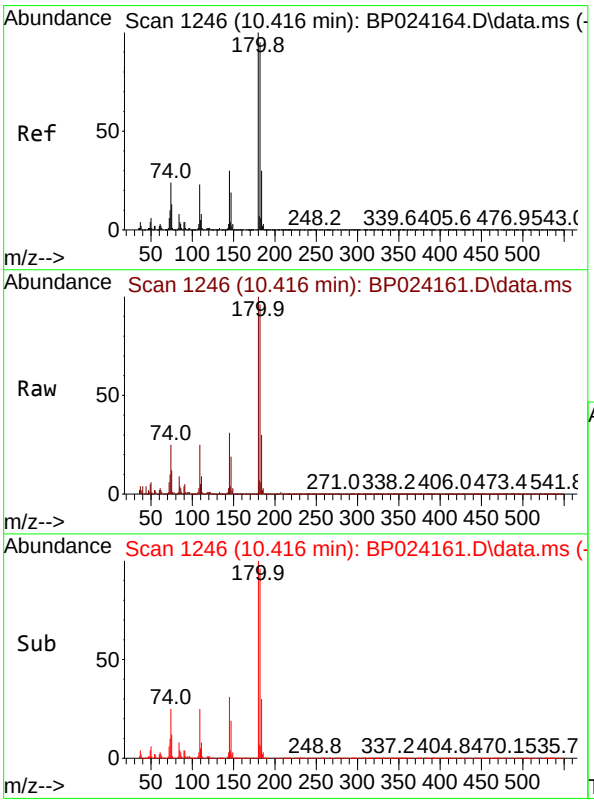

#29
2,4-Dichlorophenol
Concen: 4.072 ng
RT: 10.205 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:162 Resp: 77653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.6 | 44.2 | 84.2 |
| 98 | 34.2 | 15.1 | 55.1 |

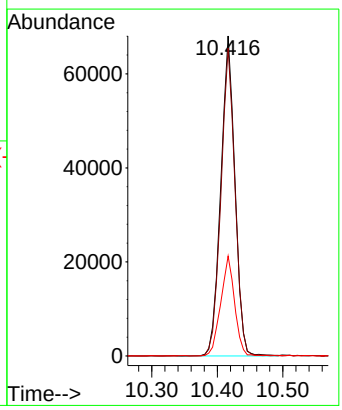


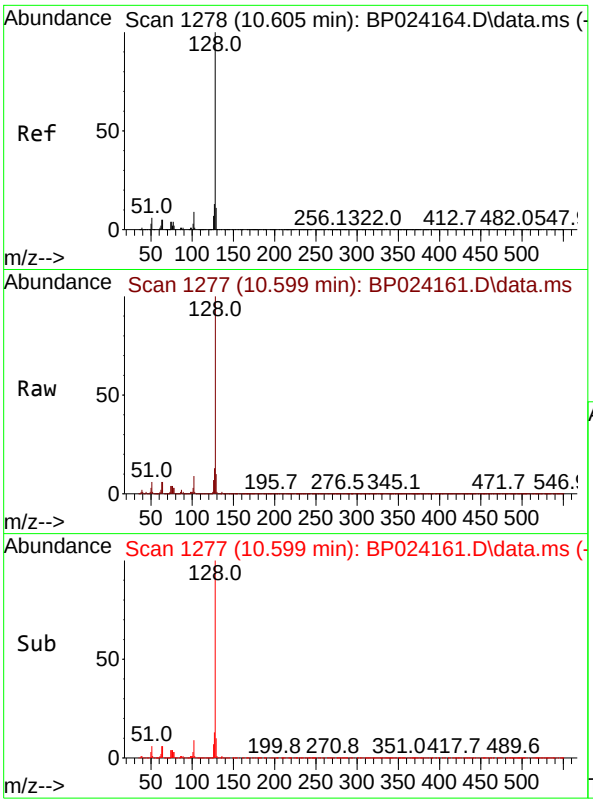




#30
1,2,4-Trichlorobenzene
Concen: 4.646 ng
RT: 10.416 min Scan# 1246
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:180 Resp: 101518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.2 | 76.1 | 114.1 |
| 145 | 31.2 | 24.2 | 36.2 |



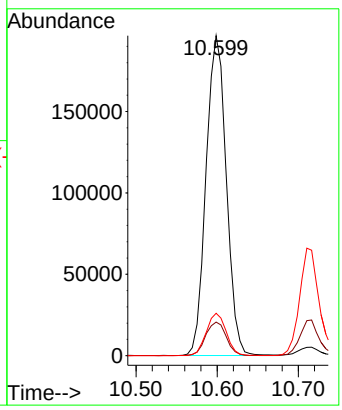


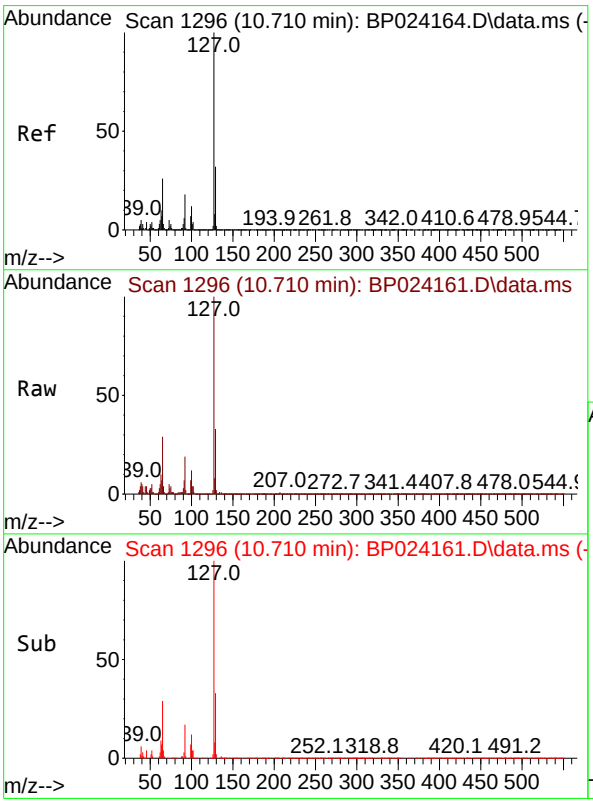

#31
Naphthalene
Concen: 4.840 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:128 Resp: 340918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.5 | 8.7 | 13.1 |
| 127 | 13.3 | 10.4 | 15.6 |

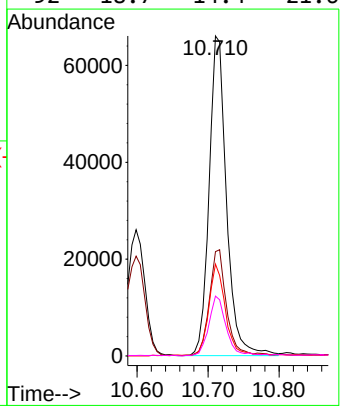


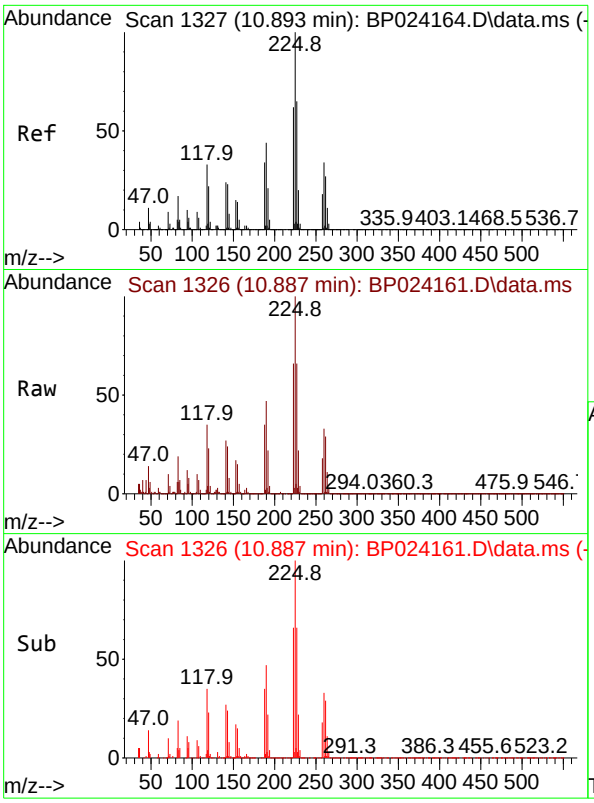




#33
4-Chloroaniline
Concen: 4.545 ng
RT: 10.710 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:127 Resp: 112776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.6 | 25.8 | 38.6 |
| 65 | 28.7 | 21.2 | 31.8 |
| 92 | 18.7 | 14.4 | 21.6 |



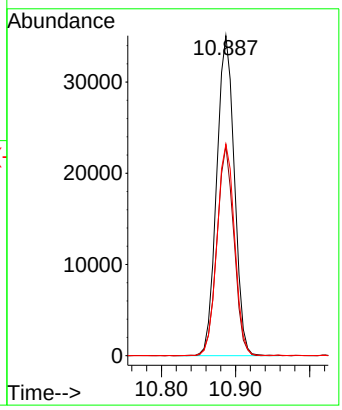


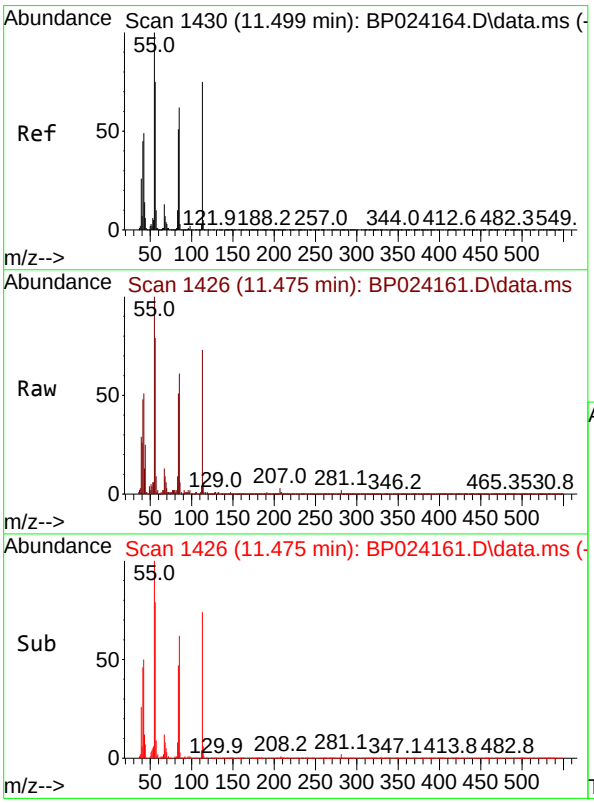

#34
Hexachlorobutadiene
Concen: 4.589 ng
RT: 10.887 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:225 Resp: 58080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.6 | 49.9 | 74.9 |
| 227 | 66.1 | 52.2 | 78.2 |

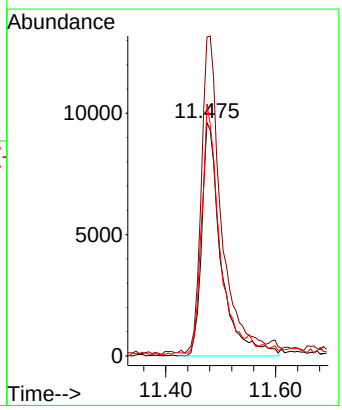


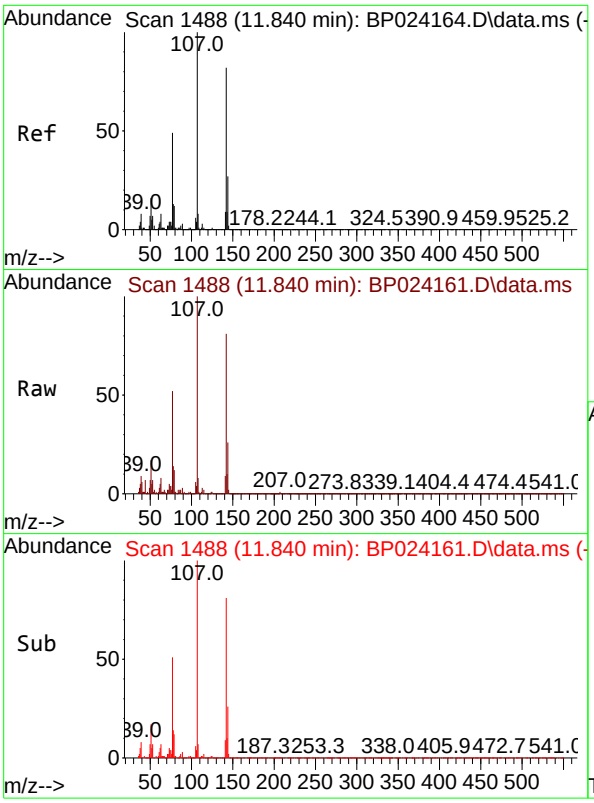




#35
Caprolactam
Concen: 4.057 ng
RT: 11.475 min Scan# 1426
Delta R.T. -0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:113 Resp: 23432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 136.8 | 113.6 | 153.6 |
| 56 | 108.1 | 80.0 | 120.0 |



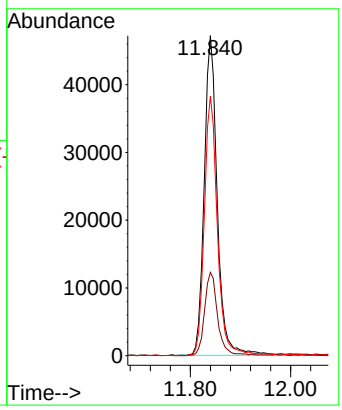


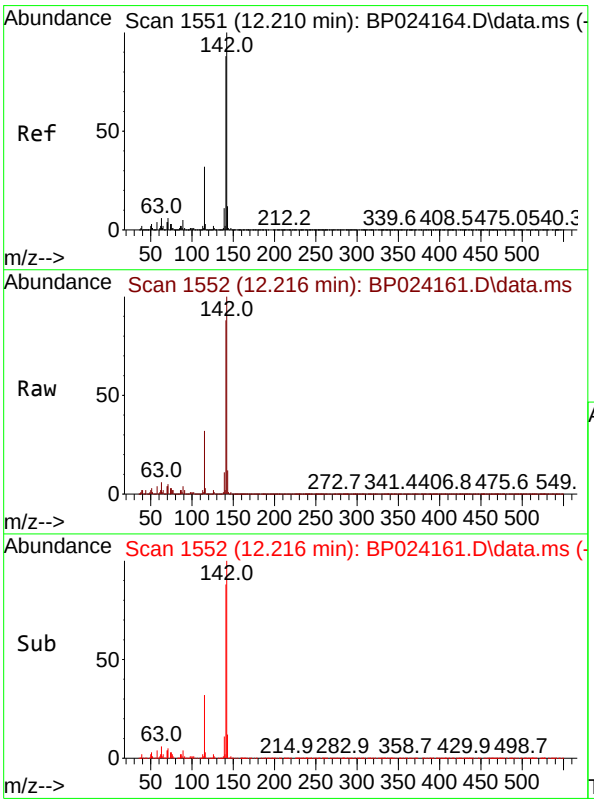

#36
4-Chloro-3-methylphenol
Concen: 4.352 ng
RT: 11.840 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:107 Resp: 85333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.0 | 21.6 | 32.4 |
| 142 | 81.1 | 65.4 | 98.0 |

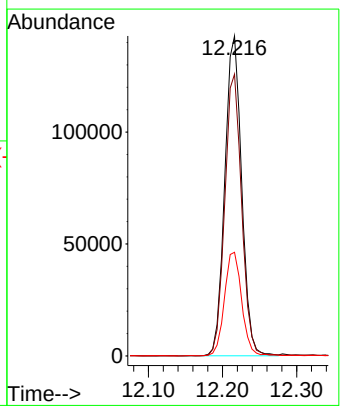


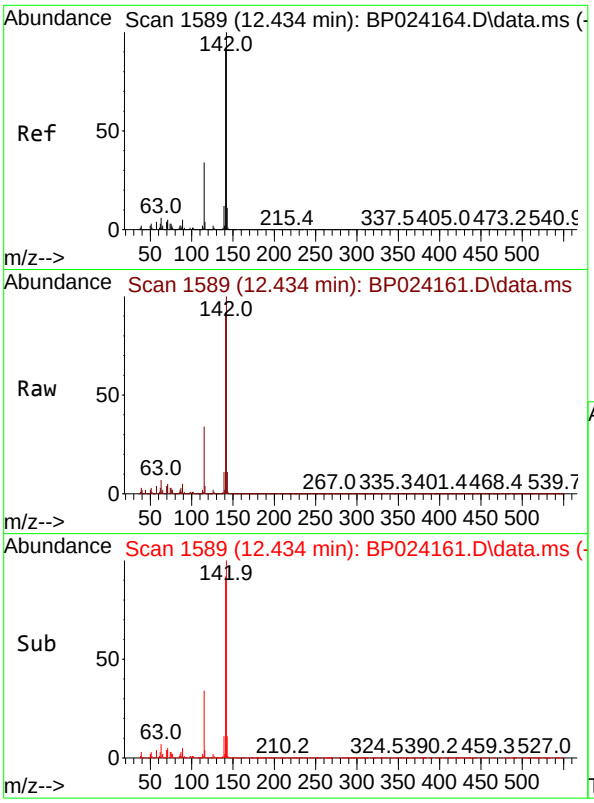




#37
2-Methylnaphthalene
Concen: 4.817 ng
RT: 12.216 min Scan# 1552
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:142 Resp: 225485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.0 | 70.3 | 105.5 |
| 115 | 32.4 | 26.0 | 39.0 |



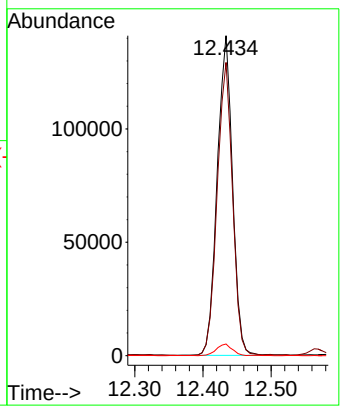


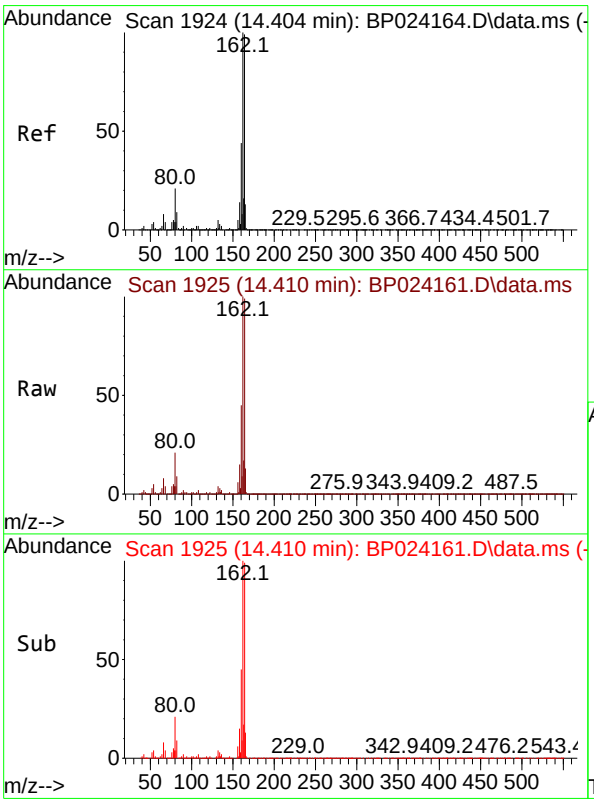

#38
1-Methylnaphthalene
Concen: 4.848 ng
RT: 12.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:142 Resp: 220784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.6 | 73.9 | 110.9 |
| 116 | 3.7 | 2.8 | 4.2 |

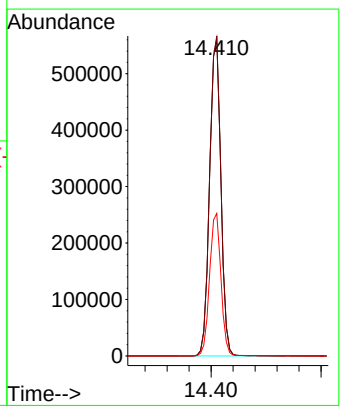


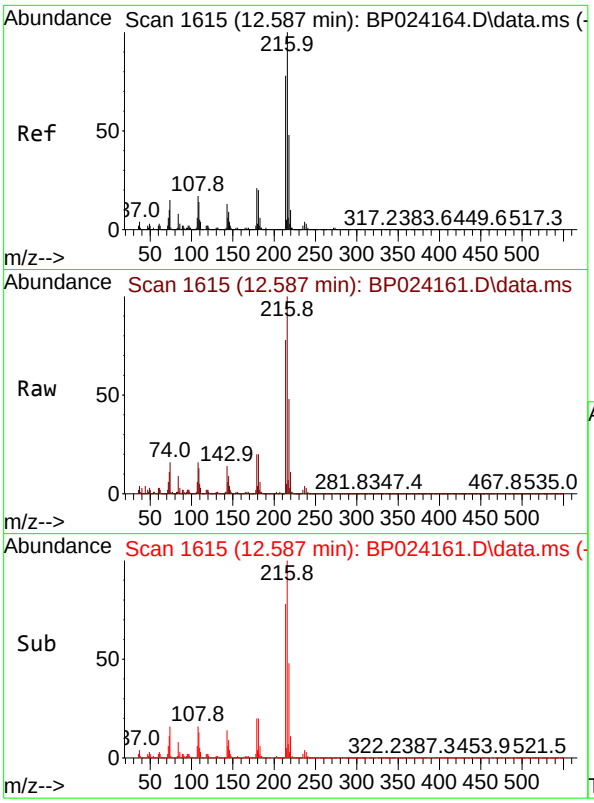




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1925
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:164 Resp: 799469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.8 | 80.6 | 121.0 |
| 160 | 44.9 | 35.4 | 53.2 |



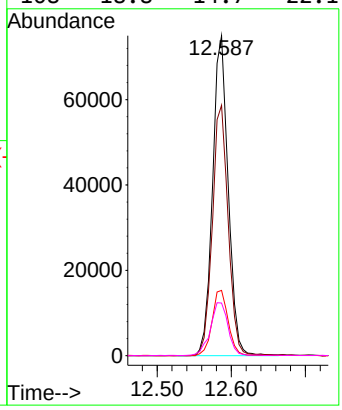


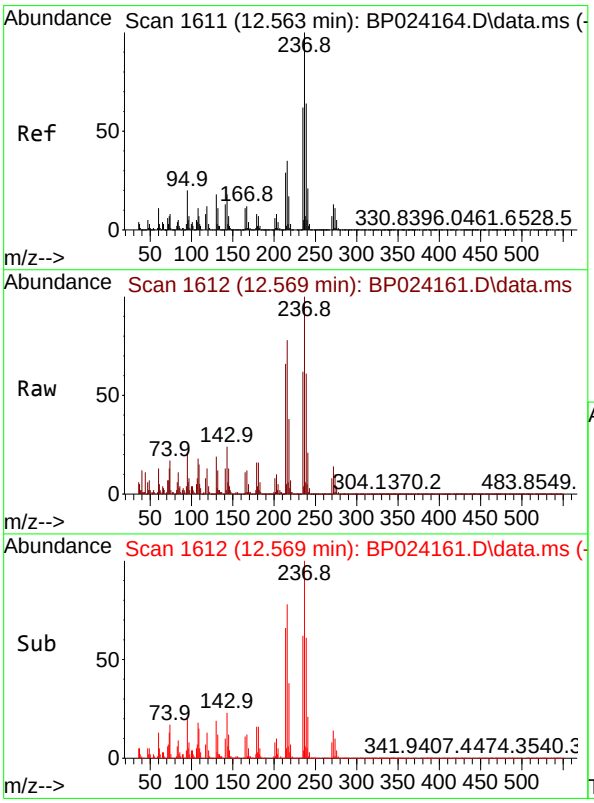

#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.459 ng
RT: 12.587 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:216 Resp: 109528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.5 | 62.8 | 94.2 |
| 179 | 21.1 | 16.8 | 25.2 |
| 108 | 18.8 | 14.7 | 22.1 |

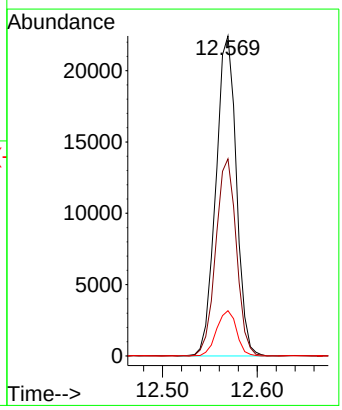


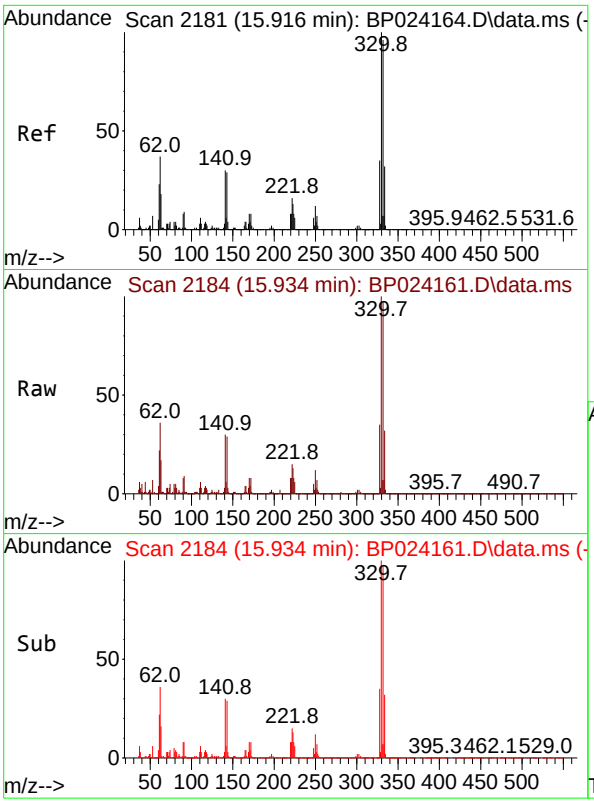




#41
Hexachlorocyclopentadiene
Concen: 3.693 ng
RT: 12.569 min Scan# 1612
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:237 Resp: 33755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.6 | 41.8 | 81.8 |
| 272 | 14.2 | 0.0 | 33.5 |



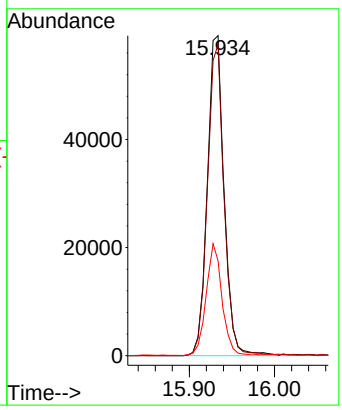


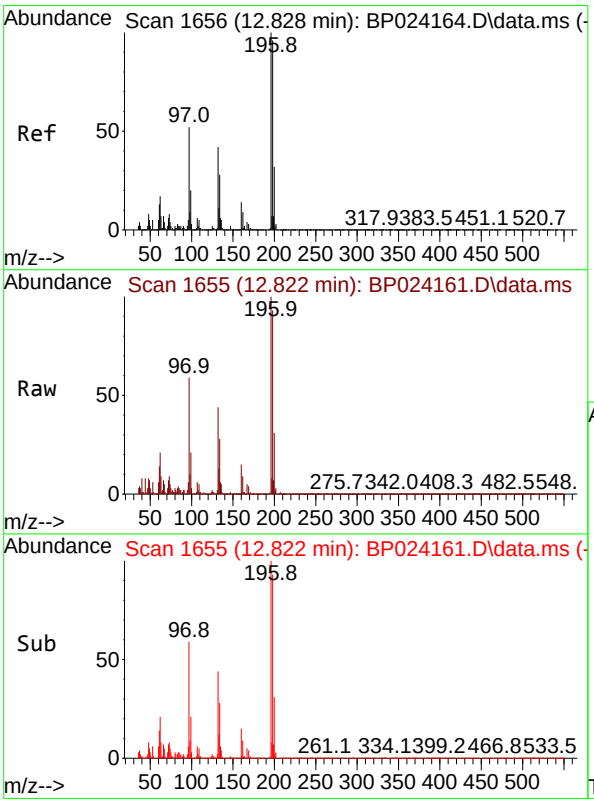

#42
2,4,6-Tribromophenol
Concen: 8.288 ng
RT: 15.934 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:330 Resp: 81159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.2 | 77.6 | 116.4 |
| 141 | 33.0 | 25.0 | 37.6 |

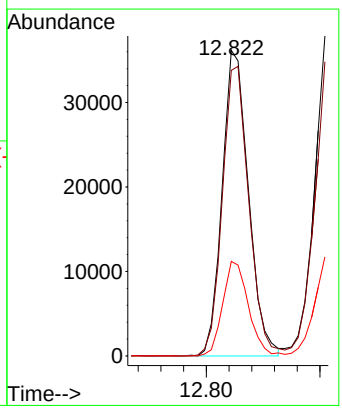


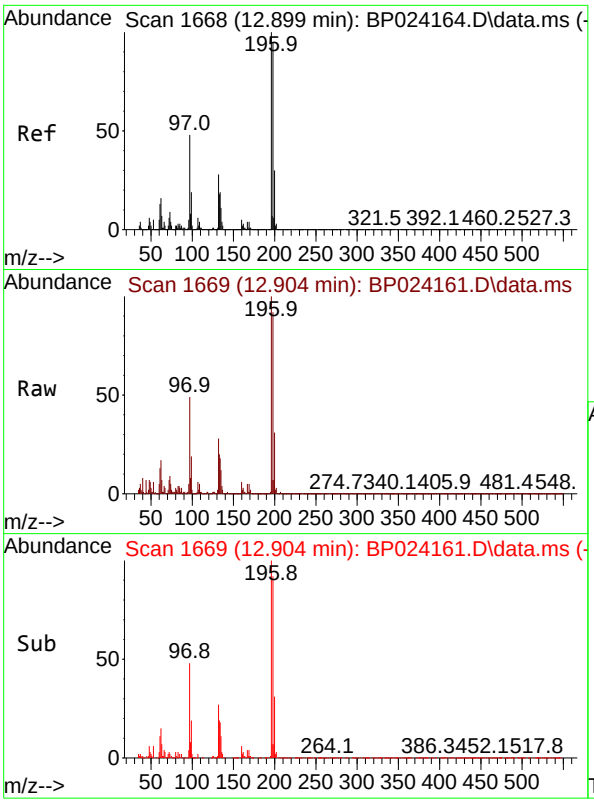




#43
2,4,6-Trichlorophenol
Concen: 3.883 ng
RT: 12.822 min Scan# 1655
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:196 Resp: 58172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 93.4 | 76.6 | 115.0 |
| 200 | 30.9 | 25.4 | 38.0 |



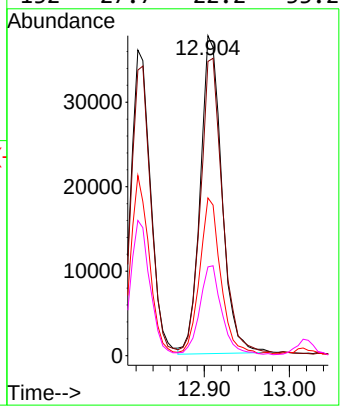


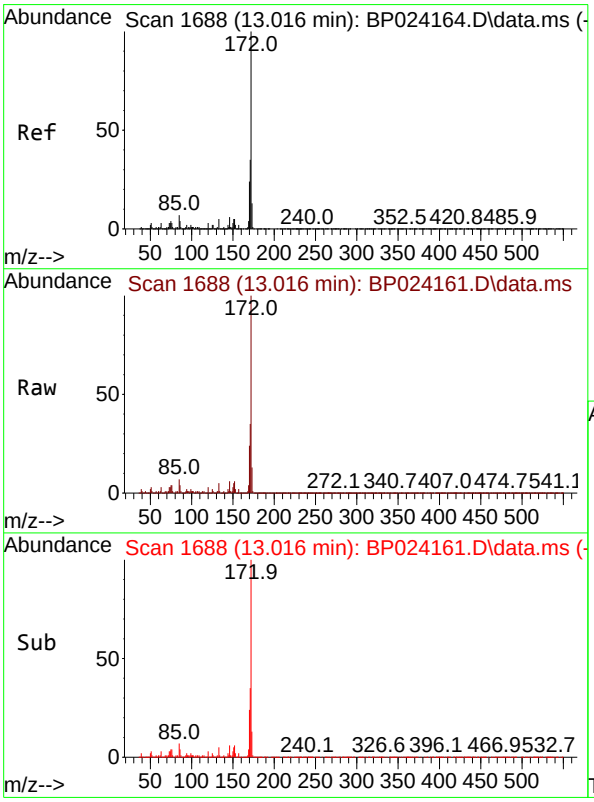

#44
2,4,5-Trichlorophenol
Concen: 4.044 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:196 Resp: 66250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 91.9 | 76.5 | 114.7 |
| 97 | 49.3 | 38.7 | 58.1 |
| 132 | 27.7 | 22.2 | 33.2 |

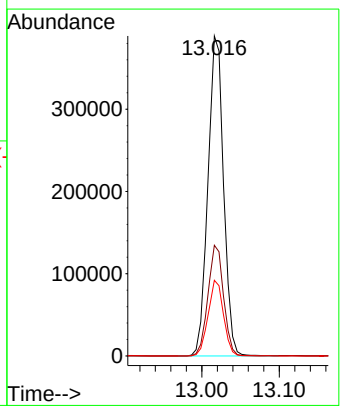


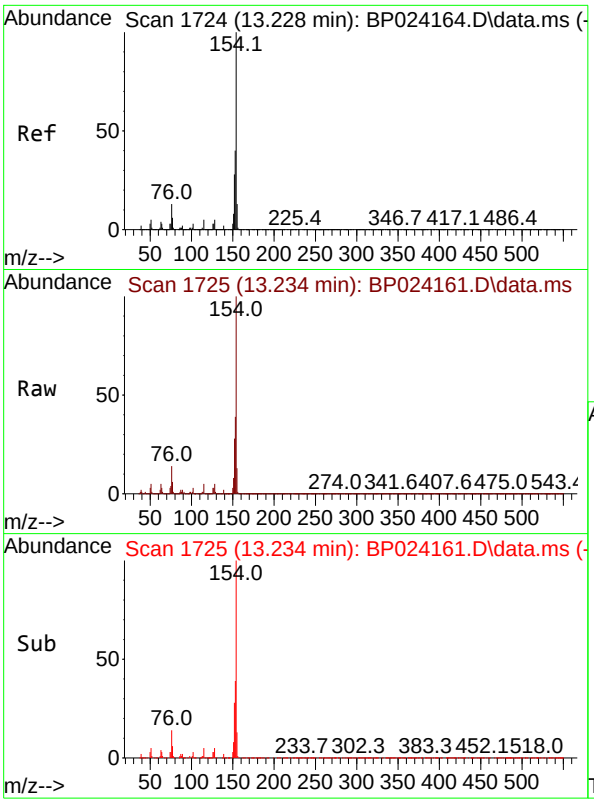




#45
2-Fluorobiphenyl
Concen: 9.532 ng
RT: 13.016 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:172 Resp: 545120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.6 | 28.3 | 42.5 |
| 170 | 23.7 | 19.0 | 28.4 |



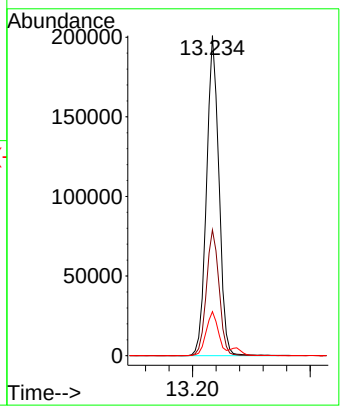


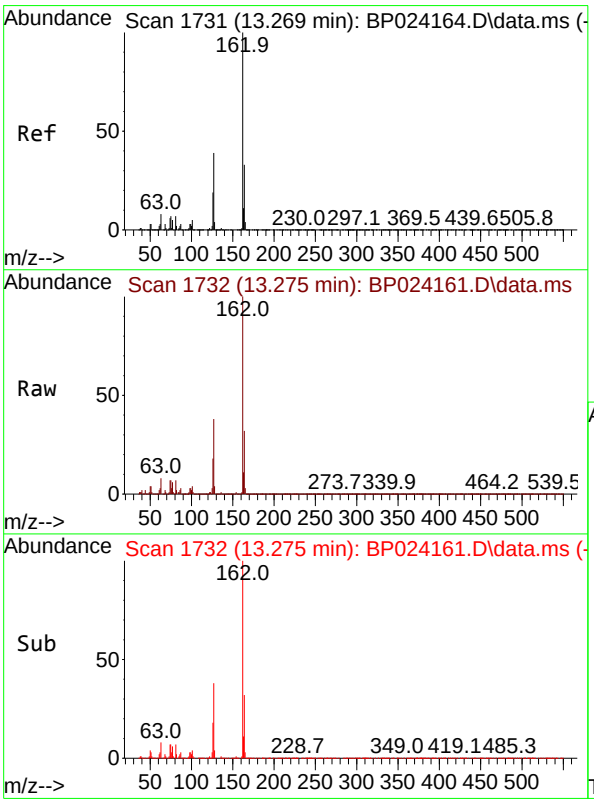

#46
1,1'-Biphenyl
Concen: 4.721 ng
RT: 13.234 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:154 Resp: 293289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.3 | 20.3 | 60.3 |
| 76 | 13.7 | 0.0 | 32.9 |

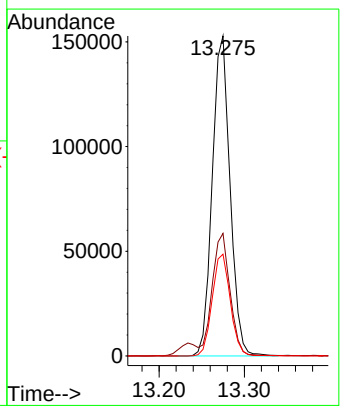


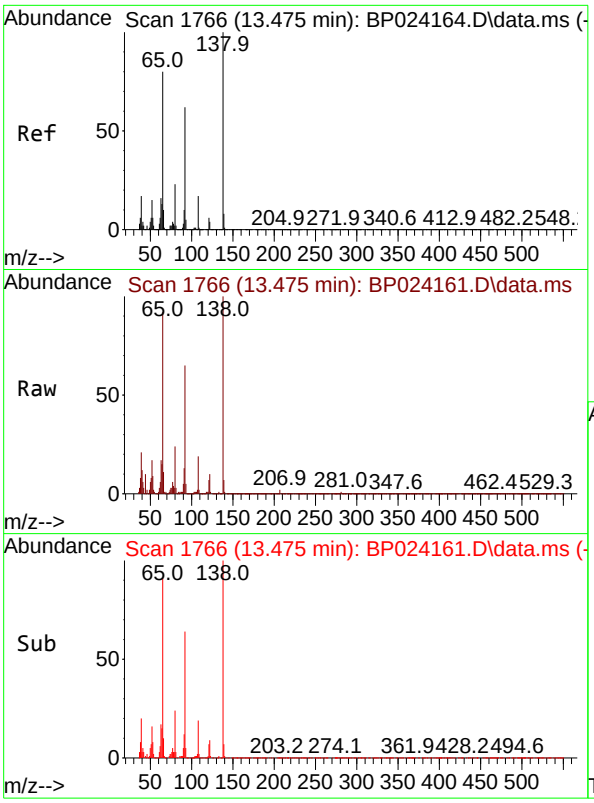




#47
2-Chloronaphthalene
Concen: 4.715 ng
RT: 13.275 min Scan# 1732
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:162 Resp: 221413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 38.3 | 31.5 | 47.3 |
| 164 | 31.8 | 26.6 | 39.8 |



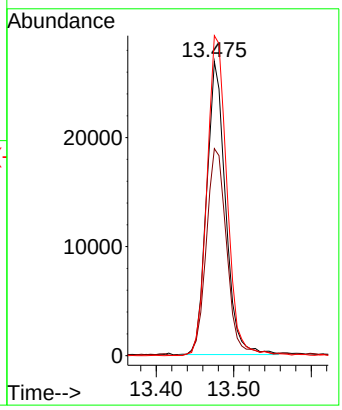


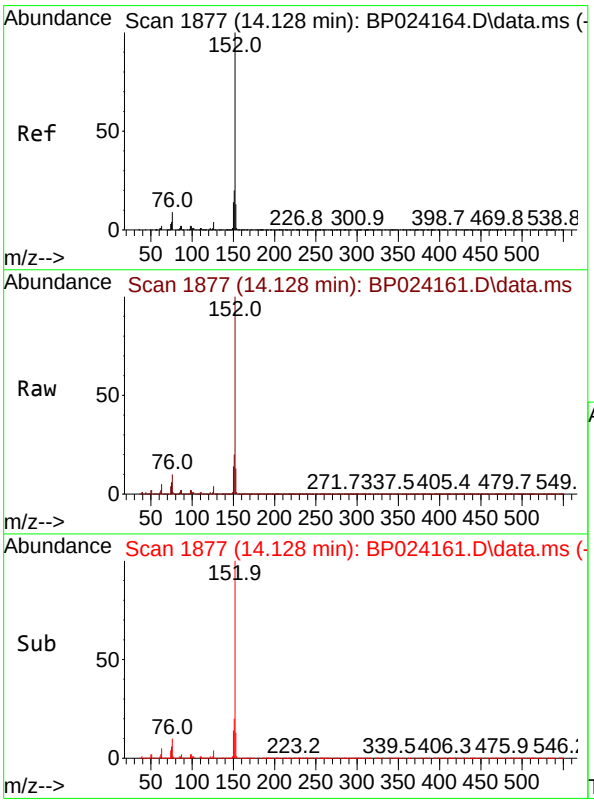

#48
2-Nitroaniline
Concen: 4.117 ng
RT: 13.475 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion: 65 Resp: 45667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 70.4 | 62.1 | 93.1 |
| 138 | 108.8 | 99.5 | 149.3 |

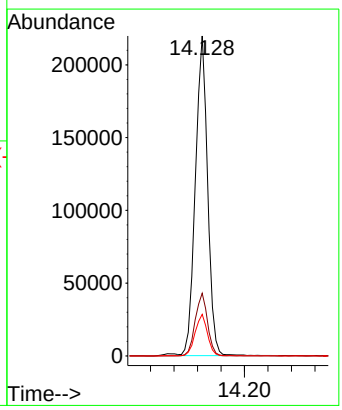


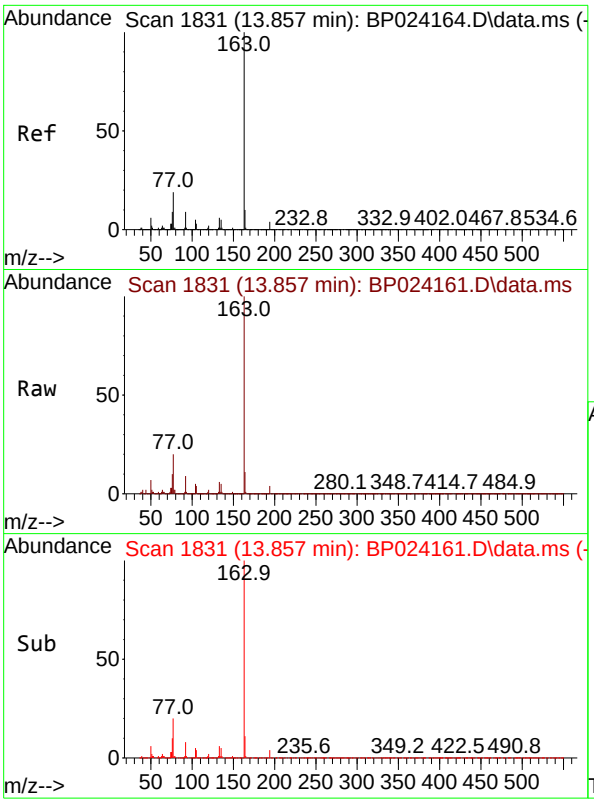




#49
Acenaphthylene
Concen: 4.580 ng
RT: 14.128 min Scan# 1877
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:152 Resp: 316902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.6 | 16.0 | 24.0 |
| 153 | 13.0 | 10.6 | 15.8 |



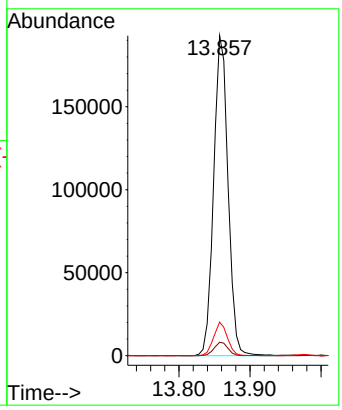


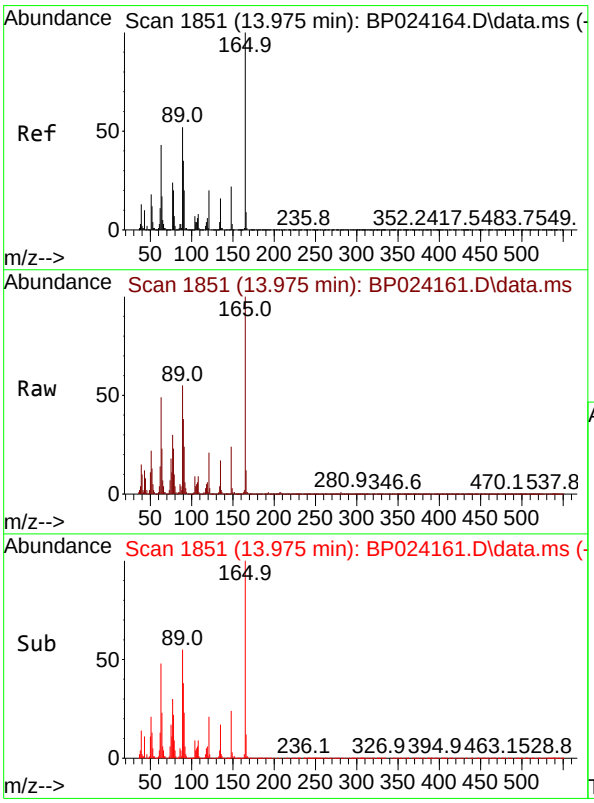

#50
Dimethylphthalate
Concen: 4.789 ng
RT: 13.857 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:163 Resp: 270053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.4 | 5.0 |
| 164 | 10.5 | 8.2 | 12.4 |

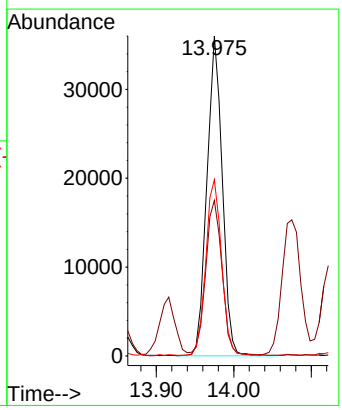


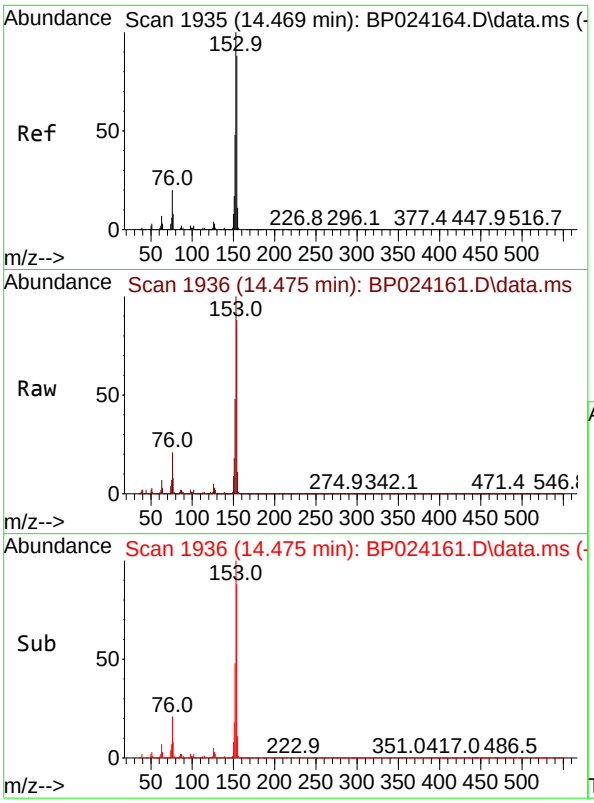




#51
2,6-Dinitrotoluene
Concen: 4.317 ng
RT: 13.975 min Scan# 1851
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:165 Resp: 49593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 48.6 | 37.7 | 56.5 |
| 89 | 55.1 | 41.9 | 62.9 |



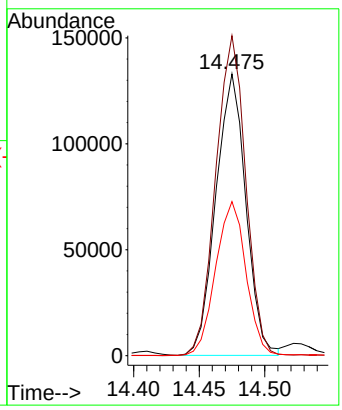


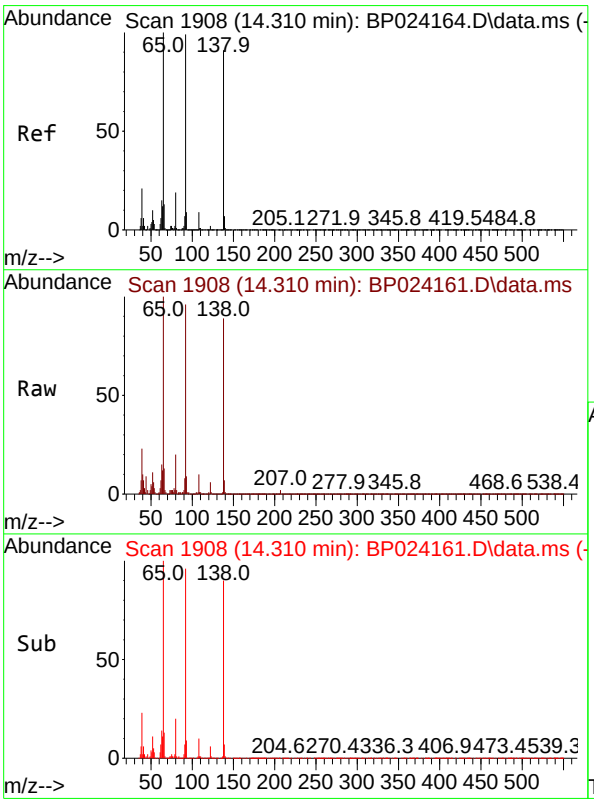

#52
Acenaphthene
Concen: 4.742 ng
RT: 14.475 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:154 Resp: 211290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.6 | 90.5 | 135.7 |
| 152 | 54.7 | 43.1 | 64.7 |

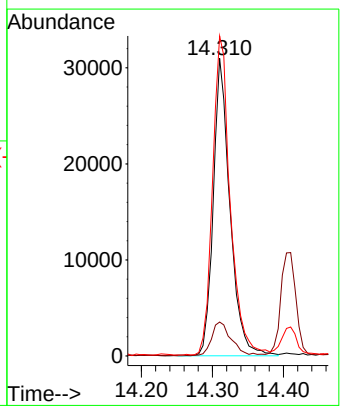


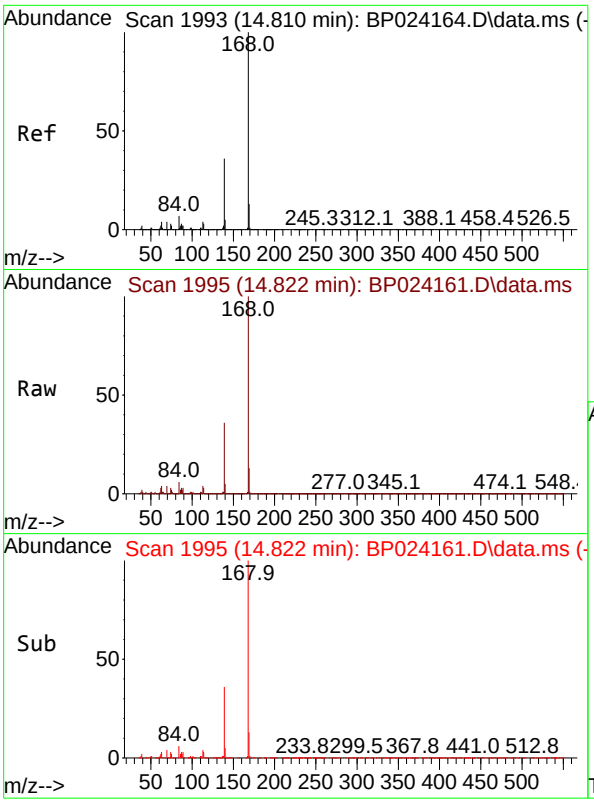




#53
3-Nitroaniline
Concen: 4.129 ng
RT: 14.310 min Scan# 1908
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:138 Resp: 50611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.4 | 8.2 | 12.2 |
| 92 | 107.5 | 86.7 | 130.1 |



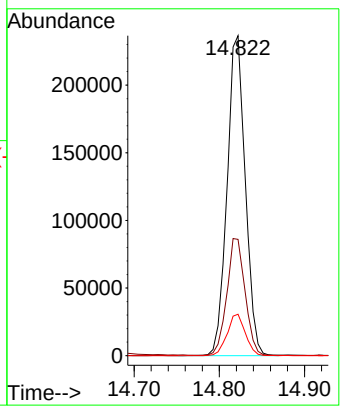


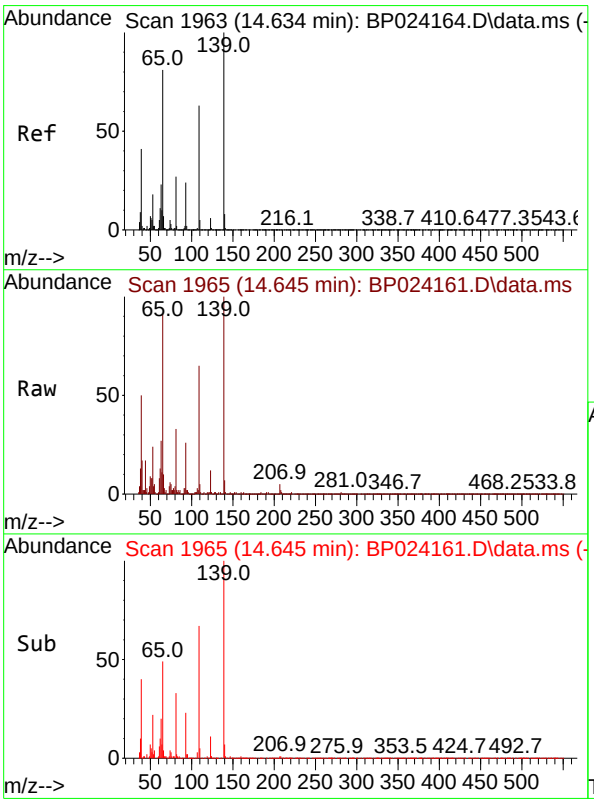

#55
Dibenzofuran
Concen: 4.858 ng
RT: 14.822 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:168 Resp: 351651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 36.4 | 29.1 | 43.7 |
| 169 | 13.0 | 10.8 | 16.2 |

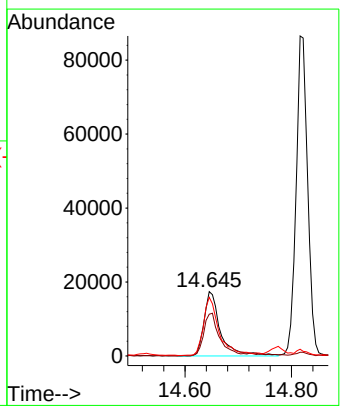


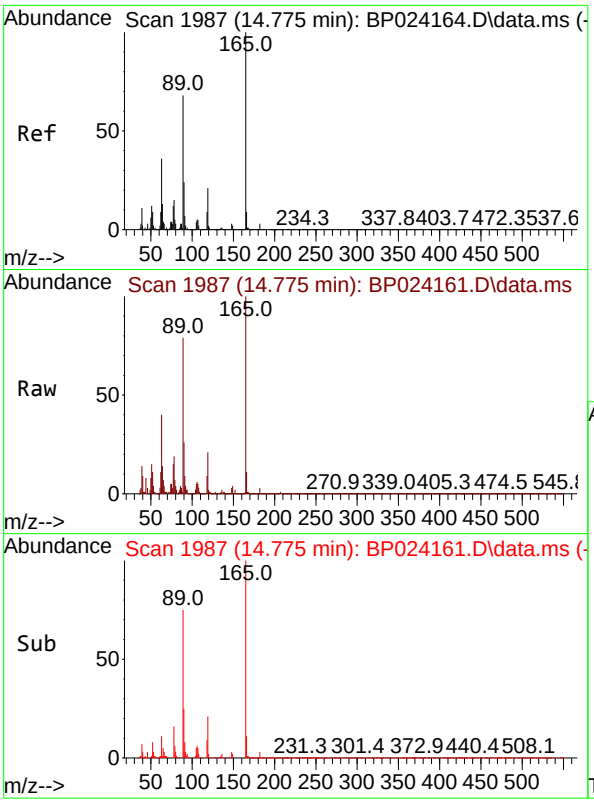




#56
4-Nitrophenol
Concen: 3.521 ng
RT: 14.645 min Scan# 1965
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:139 Resp: 37281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 65.1 | 43.3 | 83.3 |
| 65 | 91.1 | 61.2 | 101.2 |



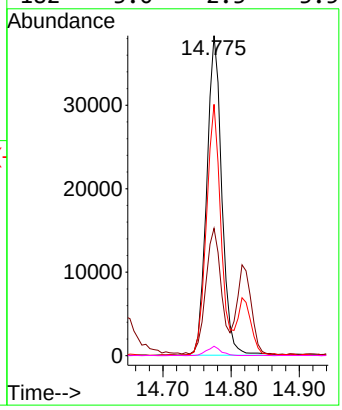


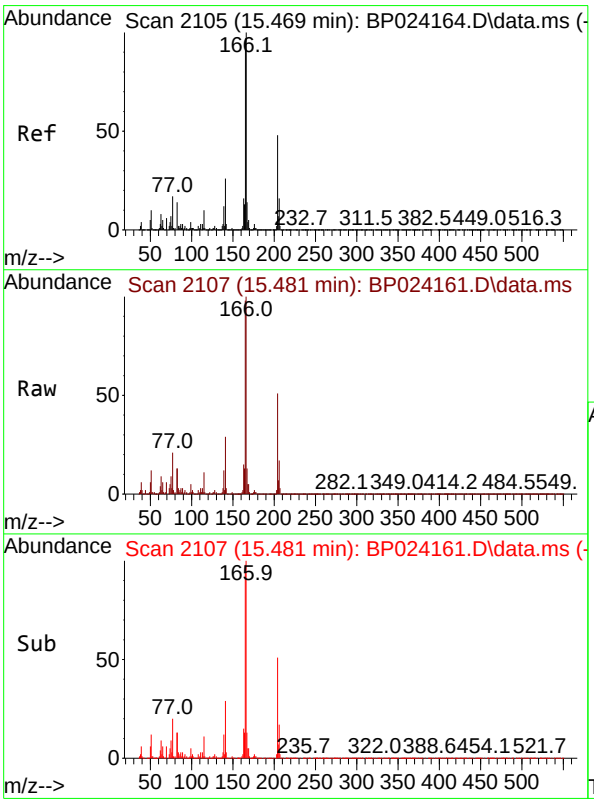

#57
2,4-Dinitrotoluene
Concen: 3.946 ng
RT: 14.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:165 Resp: 58882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 39.8 | 29.0 | 43.6 |
| 89 | 78.5 | 54.2 | 81.4 |
| 182 | 3.0 | 2.3 | 3.5 |

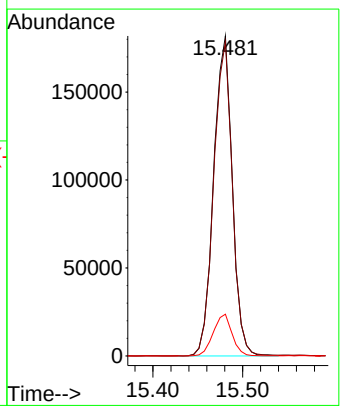


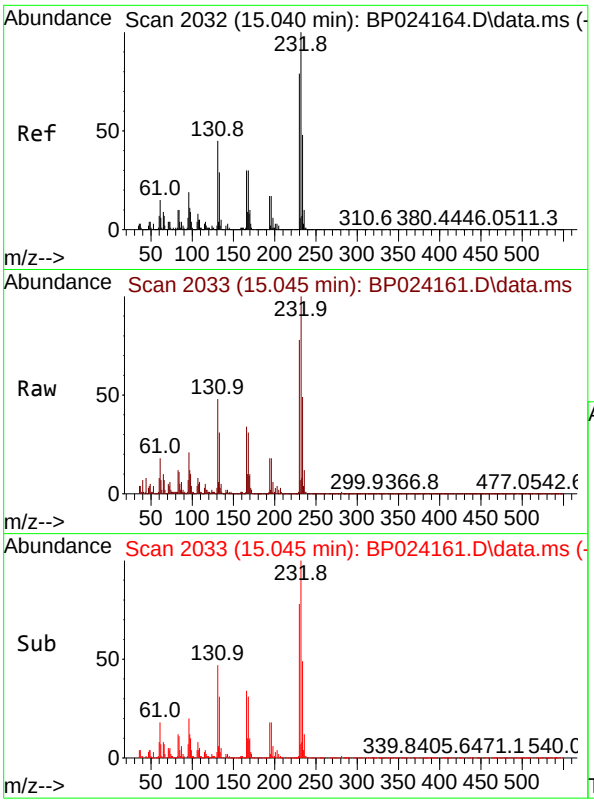




#58
Fluorene
Concen: 4.629 ng
RT: 15.481 min Scan# 2107
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:166 Resp: 261676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.2 | 77.6 | 116.4 |
| 167 | 13.1 | 10.8 | 16.2 |



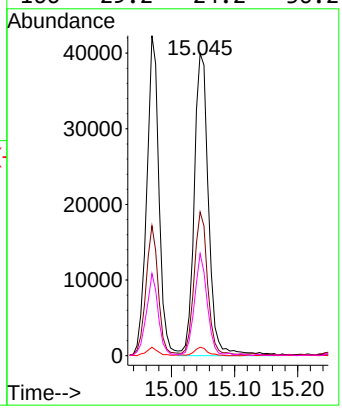


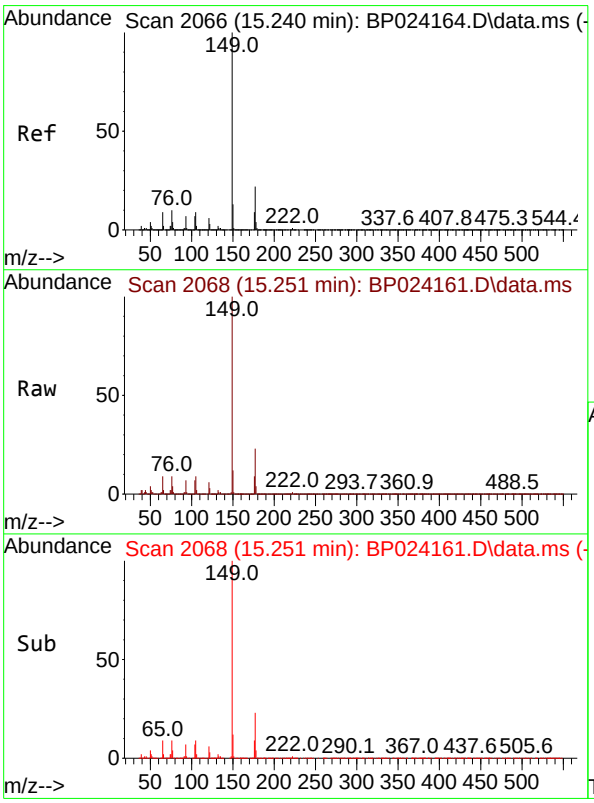

#59
2,3,4,6-Tetrachlorophenol
Concen: 4.441 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:232 Resp: 63120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 43.5 | 35.9 | 53.9 |
| 130 | 2.6 | 1.8 | 2.6 |
| 166 | 29.2 | 24.2 | 36.2 |

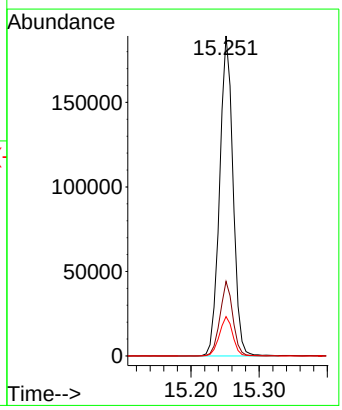


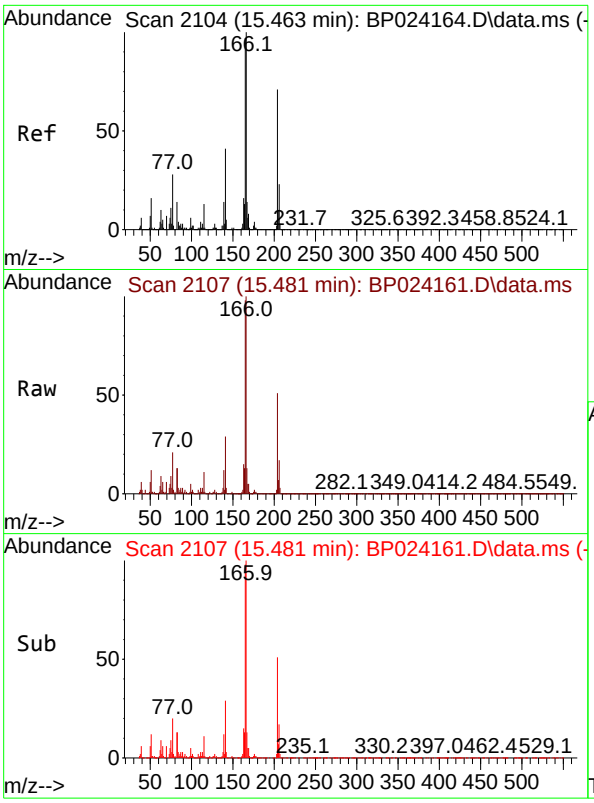




#60
Diethylphthalate
Concen: 4.631 ng
RT: 15.251 min Scan# 2068
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:149 Resp: 259242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 23.3 | 17.7 | 26.5 |
| 150 | 12.3 | 10.2 | 15.4 |



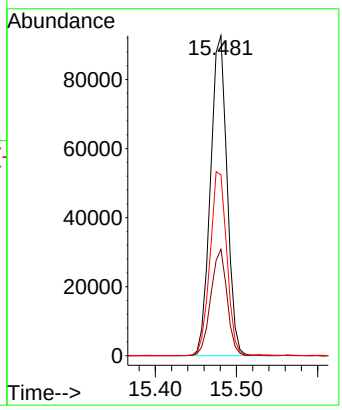


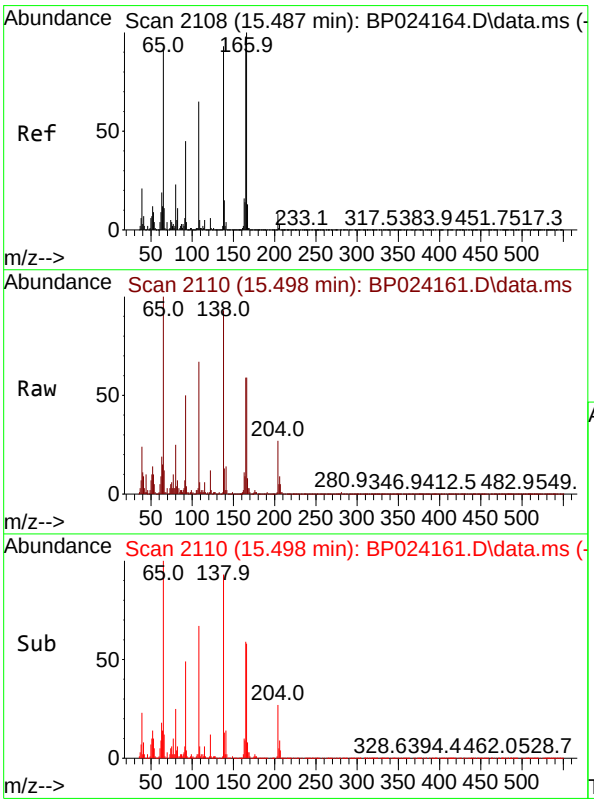

#61
4-Chlorophenyl-phenylether
Concen: 4.724 ng
RT: 15.481 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:204 Resp: 131441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.2 | 26.4 | 39.6 |
| 141 | 56.6 | 45.8 | 68.8 |

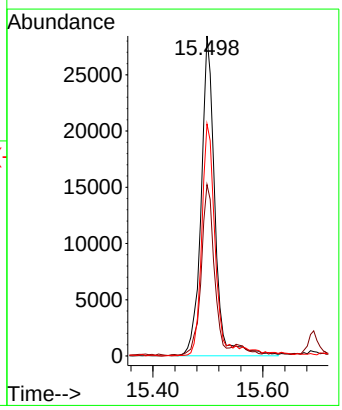


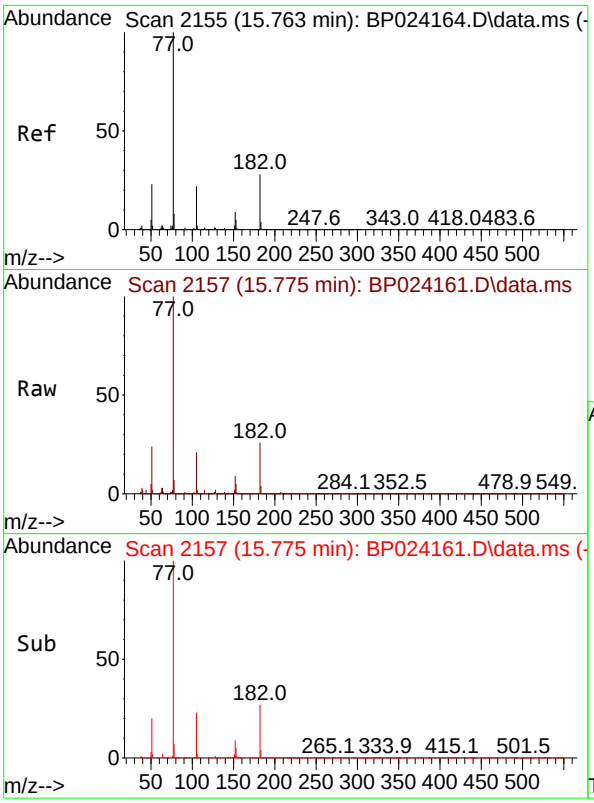




#62
4-Nitroaniline
Concen: 3.871 ng
RT: 15.498 min Scan# 2110
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:138 Resp: 49239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 53.6 | 28.7 | 68.7 |
| 108 | 72.5 | 49.5 | 89.5 |



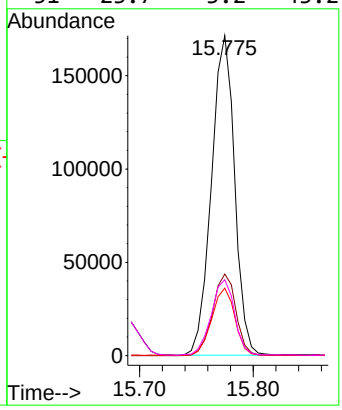


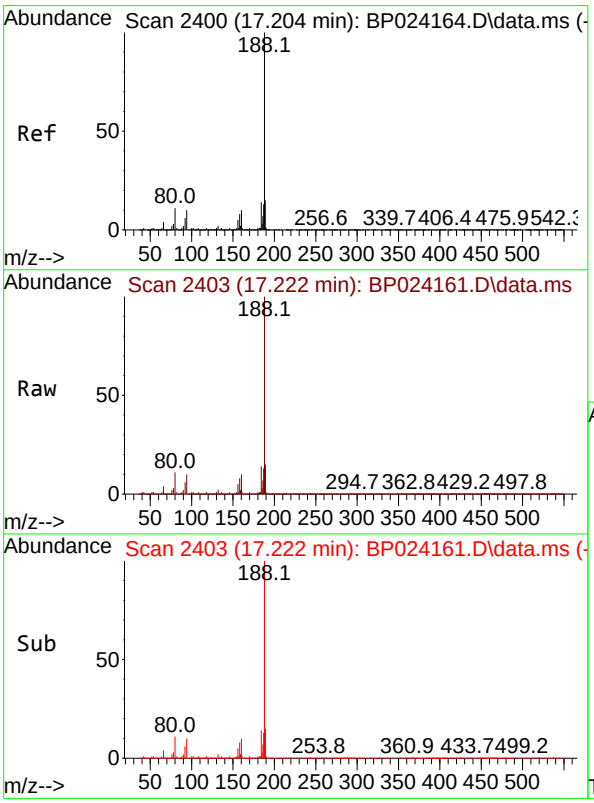

#63
Azobenzene
Concen: 4.628 ng
RT: 15.775 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion: 77 Resp: 242768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.5 | 7.7 | 47.7 |
| 105 | 21.1 | 2.3 | 42.3 |
| 51 | 23.7 | 3.2 | 43.2 |

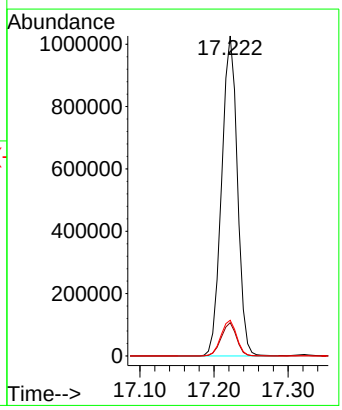


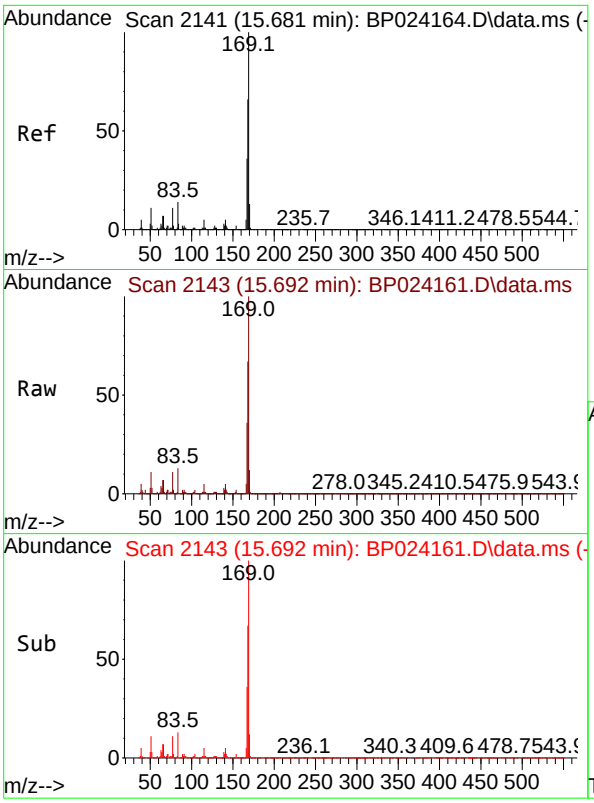




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.222 min Scan# 2403
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:188 Resp: 1516956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.4 | 8.1 | 12.1 |
| 80 | 11.2 | 8.9 | 13.3 |



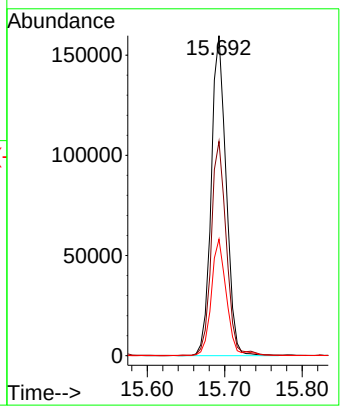


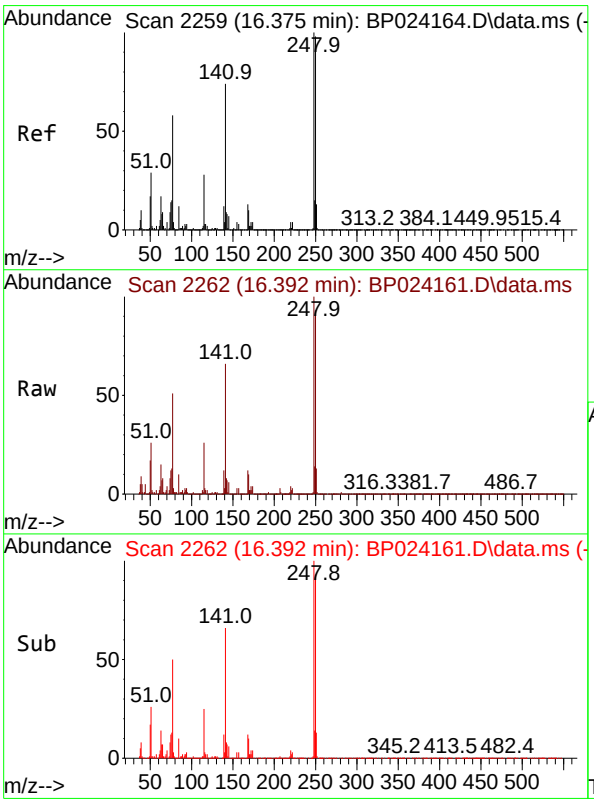

#66
n-Nitrosodiphenylamine
Concen: 4.522 ng
RT: 15.692 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:169 Resp: 213927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.9 | 52.9 | 79.3 |
| 167 | 36.4 | 28.8 | 43.2 |

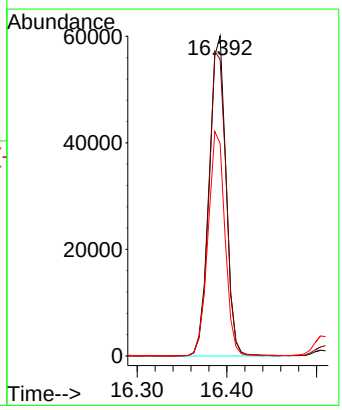


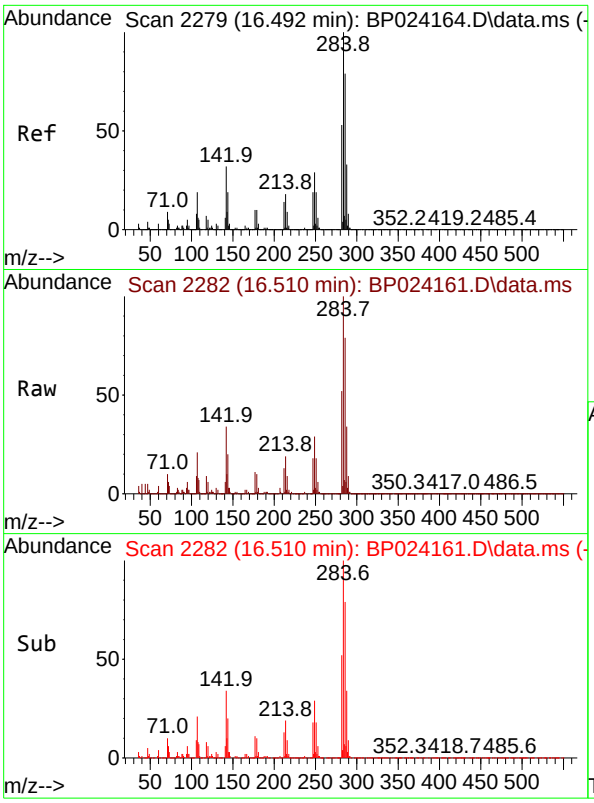




#67
4-Bromophenyl-phenylether
Concen: 4.597 ng
RT: 16.392 min Scan# 2262
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:248 Resp: 78309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 92.7 | 78.4 | 117.6 |
| 141 | 66.4 | 59.4 | 89.0 |



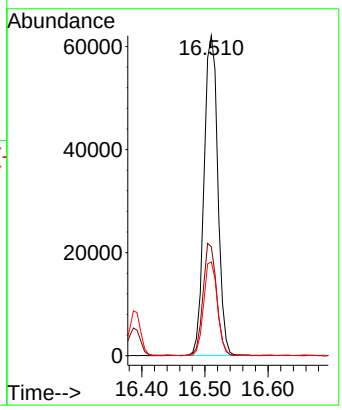


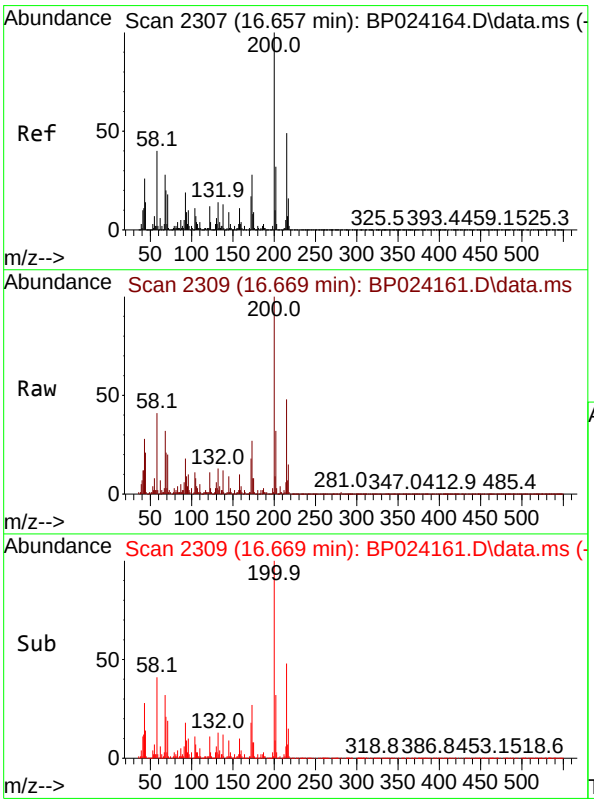

#68
Hexachlorobenzene
Concen: 4.696 ng
RT: 16.510 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:284 Resp: 94130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.1 | 25.4 | 38.2 |
| 249 | 29.3 | 23.5 | 35.3 |

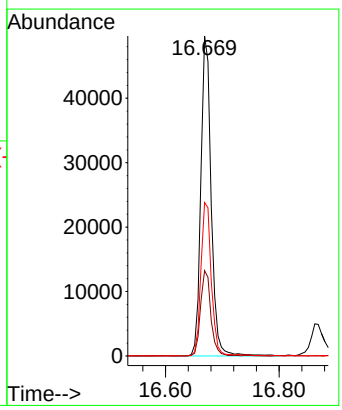


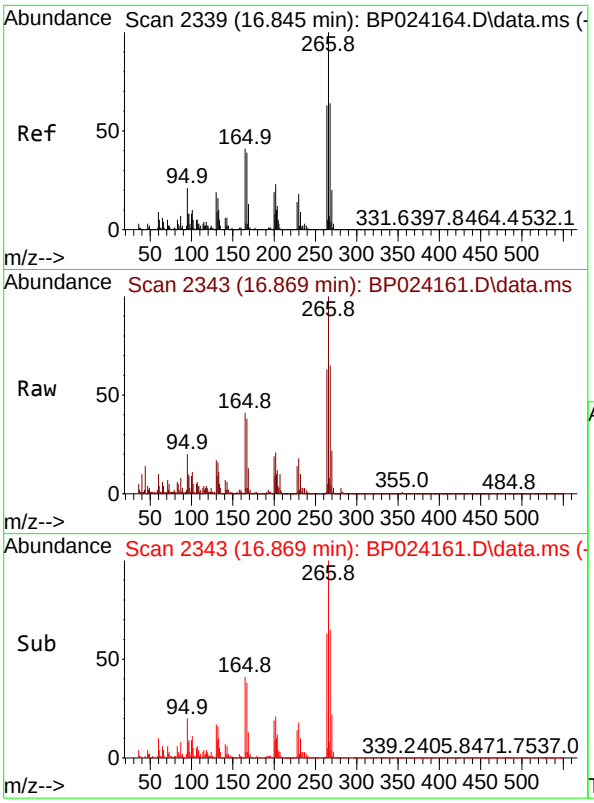




#69
Atrazine
Concen: 5.152 ng
RT: 16.669 min Scan# 2309
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:200 Resp: 62551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.6 | 7.6 | 47.6 |
| 215 | 47.9 | 29.0 | 69.0 |



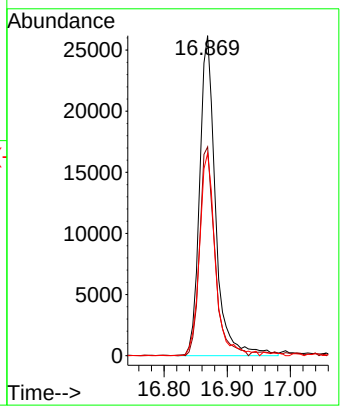


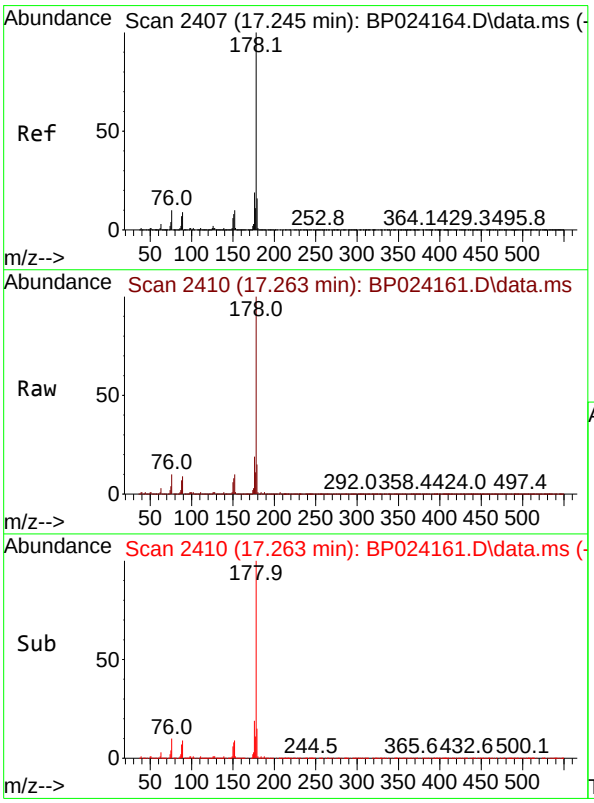

#70
Pentachlorophenol
Concen: 3.525 ng
RT: 16.869 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:266 Resp: 45885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 65.2 | 51.3 | 76.9 |
| 264 | 63.3 | 50.6 | 76.0 |

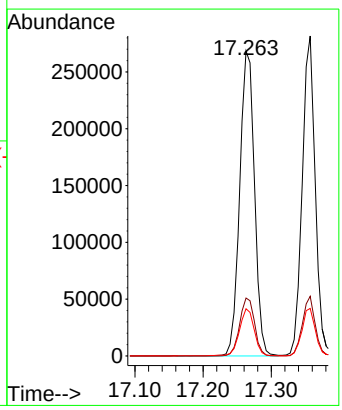


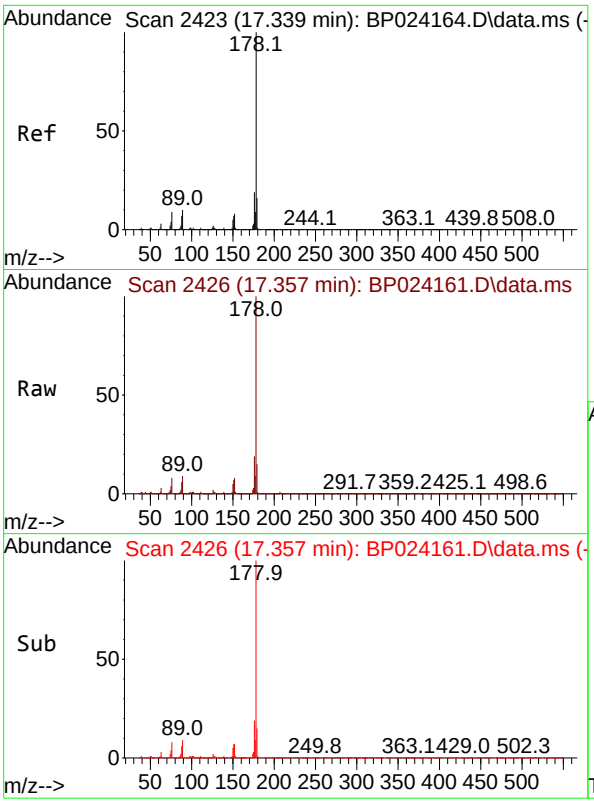




#71
Phenanthrene
Concen: 4.734 ng
RT: 17.263 min Scan# 2410
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:178 Resp: 404881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.6 | 23.4 |
| 179 | 15.5 | 12.5 | 18.7 |



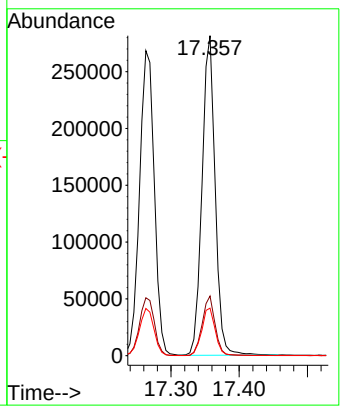


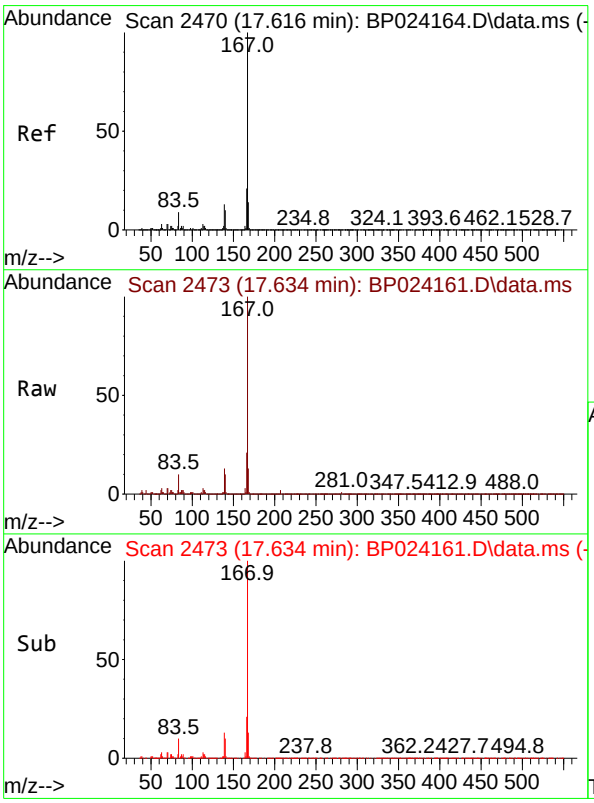

#72
Anthracene
Concen: 4.595 ng
RT: 17.357 min Scan# 24
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:178 Resp: 376601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.2 | 22.8 |
| 179 | 14.8 | 12.6 | 18.8 |

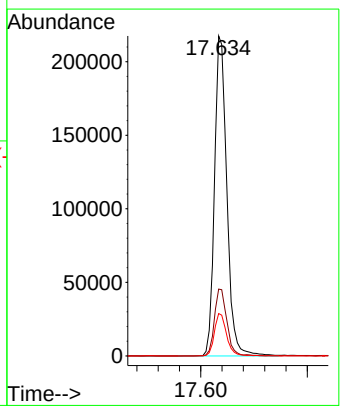


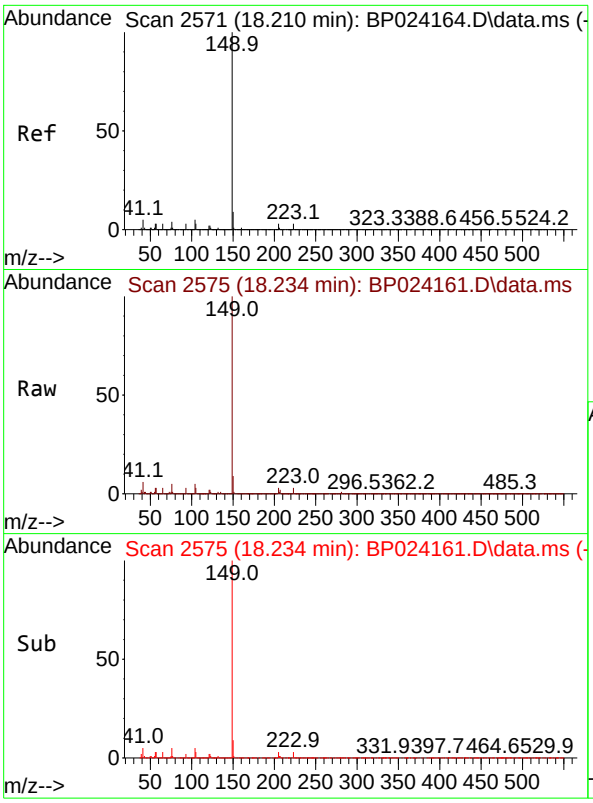




#73
Carbazole
Concen: 4.469 ng
RT: 17.634 min Scan# 2473
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:167 Resp: 349000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 20.9 | 17.1 | 25.7 |
| 139 | 13.3 | 10.2 | 15.4 |



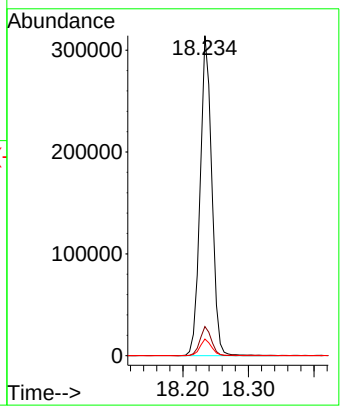


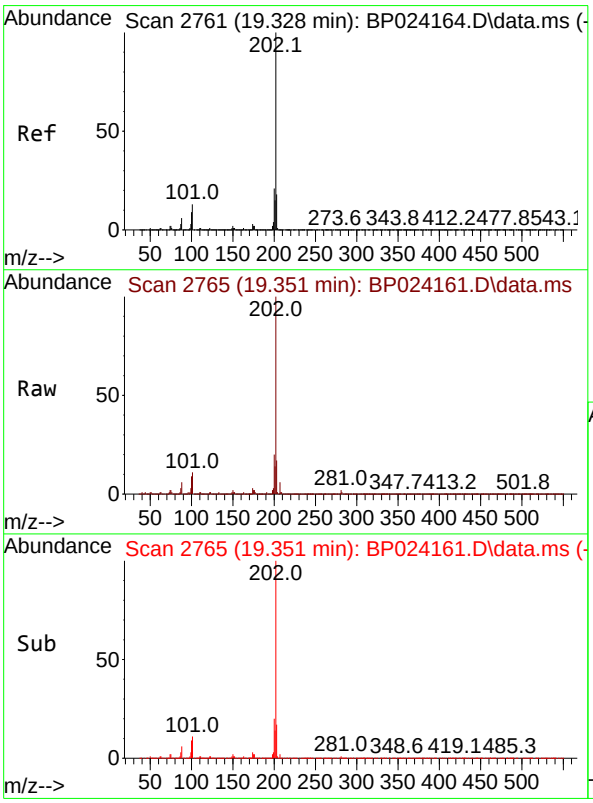

#74
Di-n-butylphthalate
Concen: 4.270 ng
RT: 18.234 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:149 Resp: 389057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.6 | 11.4 |
| 104 | 5.2 | 3.9 | 5.9 |

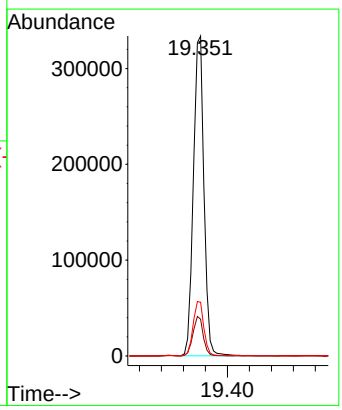


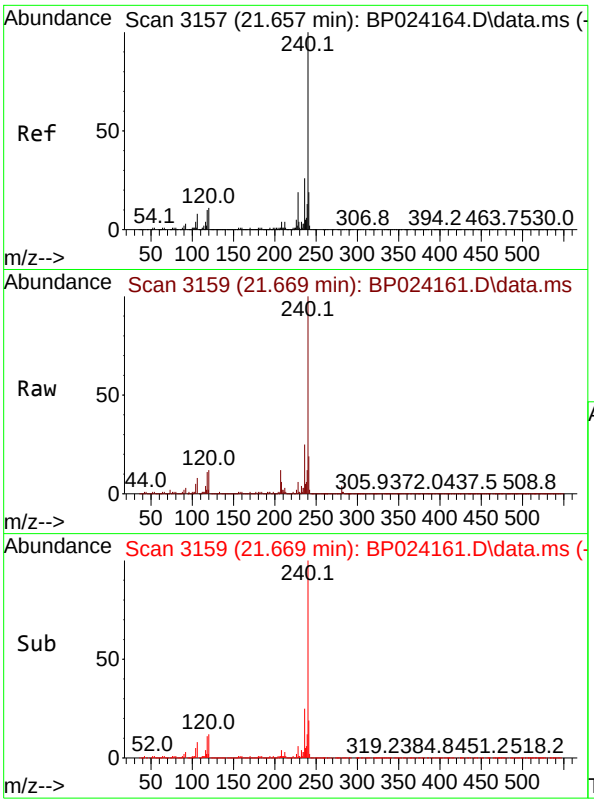




#75
Fluoranthene
Concen: 4.597 ng
RT: 19.351 min Scan# 2765
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:202 Resp: 444670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.5 | 0.0 | 32.5 |
| 203 | 16.8 | 0.0 | 37.9 |



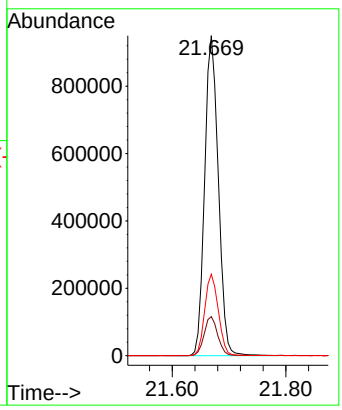


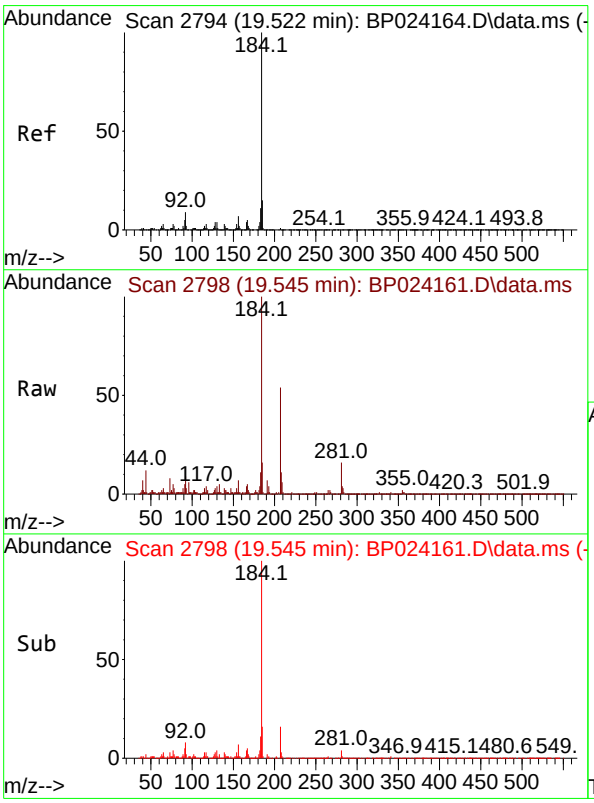

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.669 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:240 Resp: 1578855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.2 | 9.2 | 13.8 |
| 236 | 25.5 | 20.4 | 30.6 |

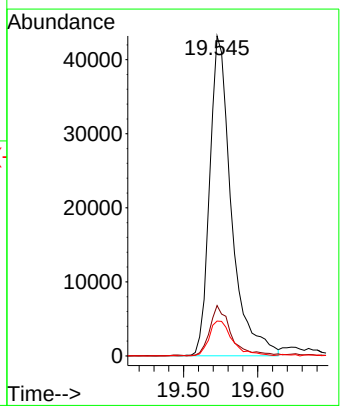


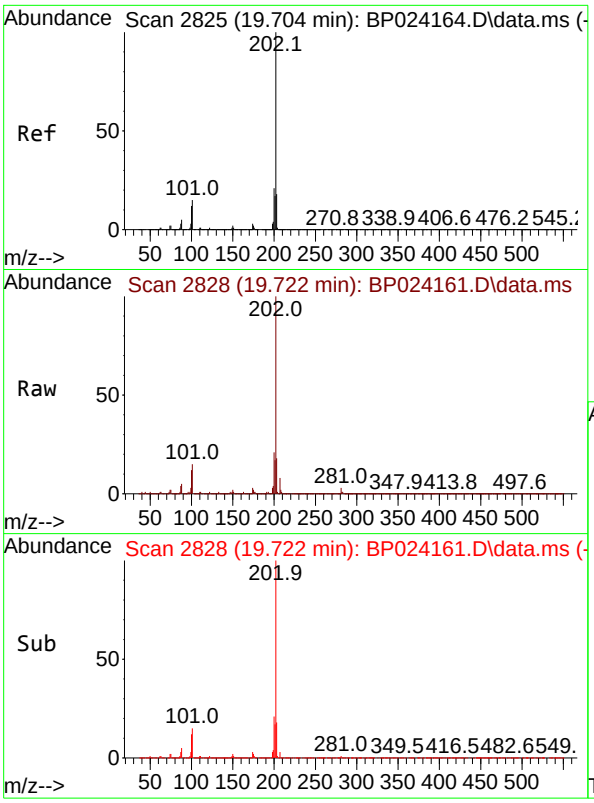




#77
Benzidine
Concen: 4.562 ng
RT: 19.545 min Scan# 2798
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:184 Resp: 87777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.7 | 11.8 | 17.6 |
| 183 | 10.9 | 9.1 | 13.7 |



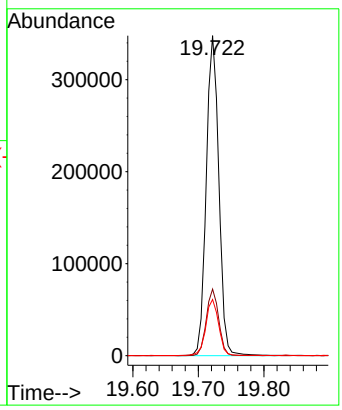


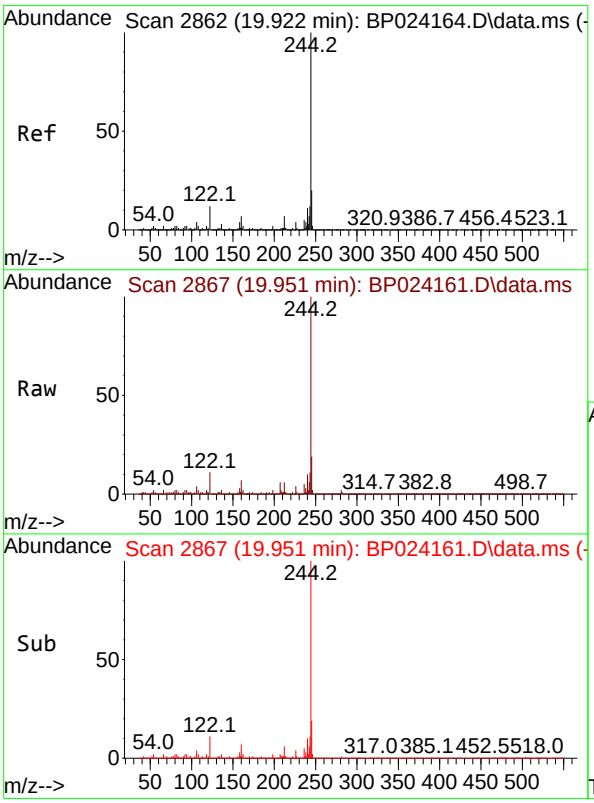

#78
Pyrene
Concen: 4.634 ng
RT: 19.722 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:202 Resp: 464704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.8 | 17.1 | 25.7 |
| 203 | 17.6 | 14.2 | 21.4 |

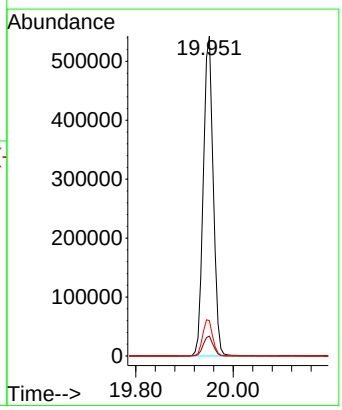


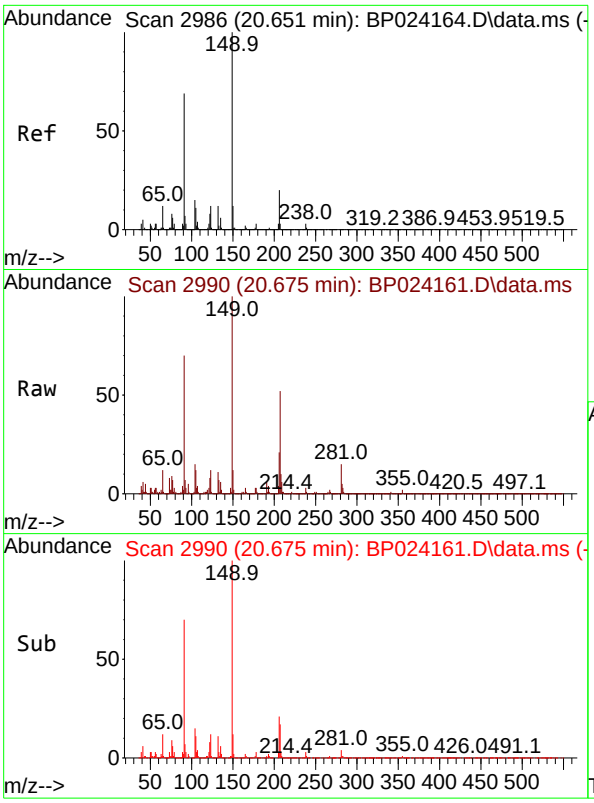




#79
Terphenyl-d14
Concen: 9.563 ng
RT: 19.951 min Scan# 2867
Delta R.T. 0.029 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:244 Resp: 763023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.2 | 5.7 | 8.5 |
| 122 | 11.1 | 9.6 | 14.4 |



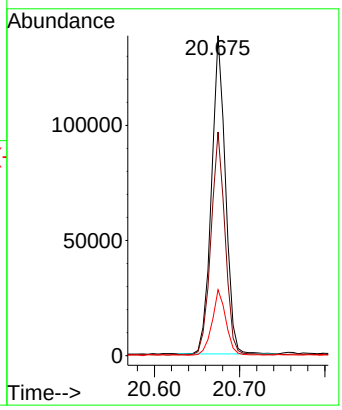


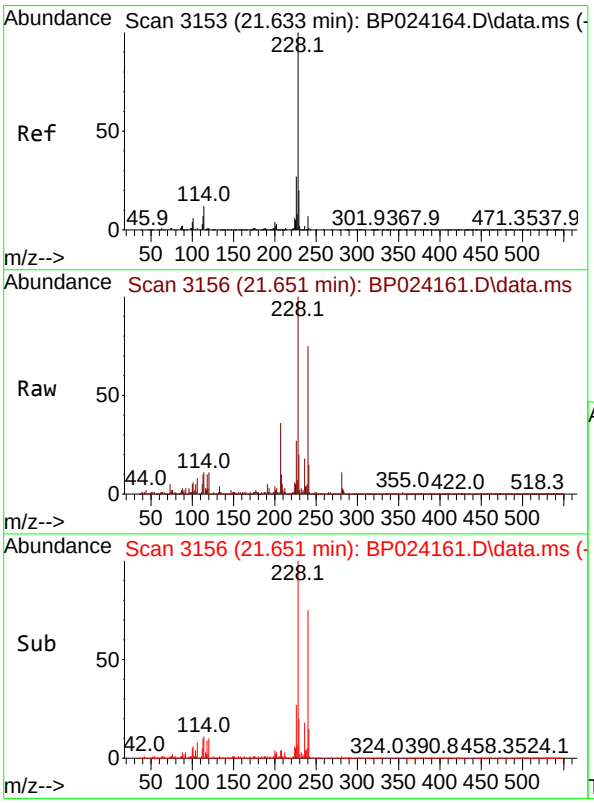

#80
Butylbenzylphthalate
Concen: 4.101 ng
RT: 20.675 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:149 Resp: 157601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 69.9 | 55.3 | 82.9 |
| 206 | 20.6 | 16.1 | 24.1 |

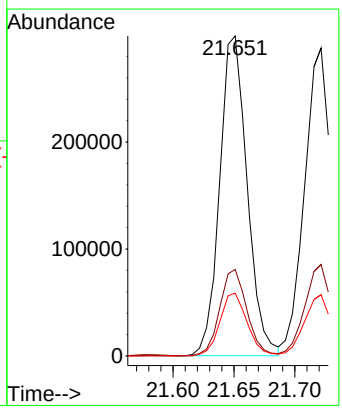


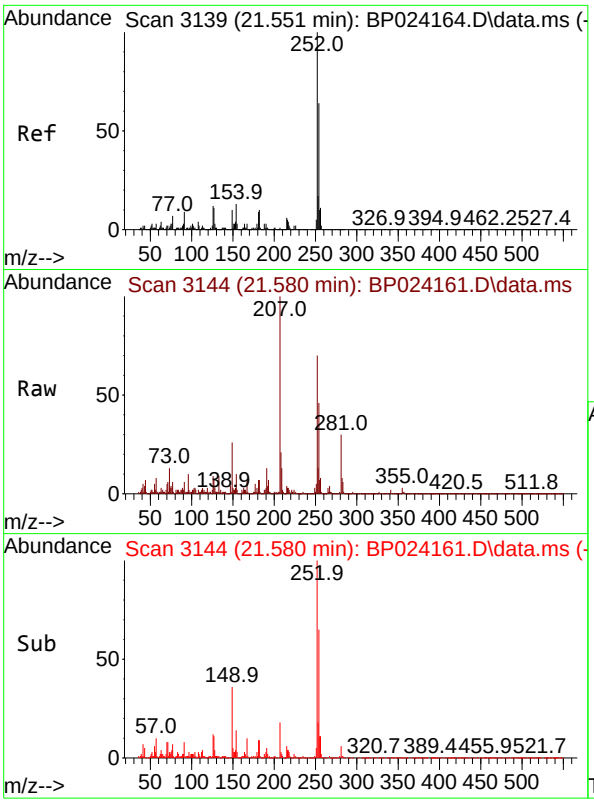




#81
Benzo(a)anthracene
Concen: 4.761 ng
RT: 21.651 min Scan# 3156
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:228 Resp: 471347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.1 | 21.8 | 32.8 |
| 229 | 19.6 | 16.0 | 24.0 |



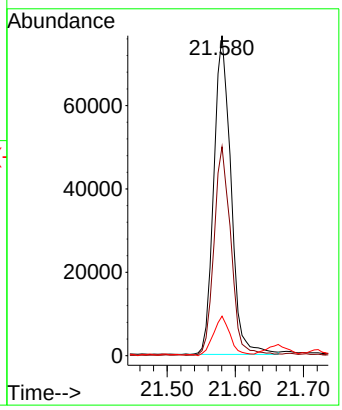


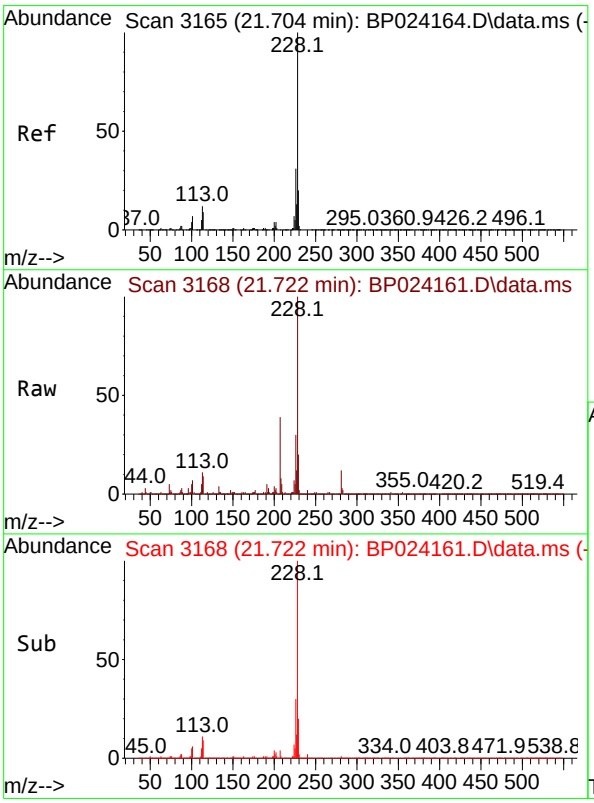

#82
3,3'-Dichlorobenzidine
Concen: 4.336 ng
RT: 21.580 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:252 Resp: 134146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.3 | 51.4 | 77.2 |
| 126 | 12.4 | 9.3 | 13.9 |

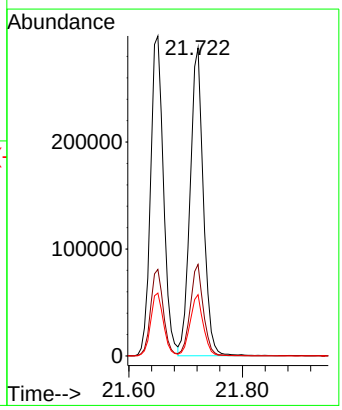


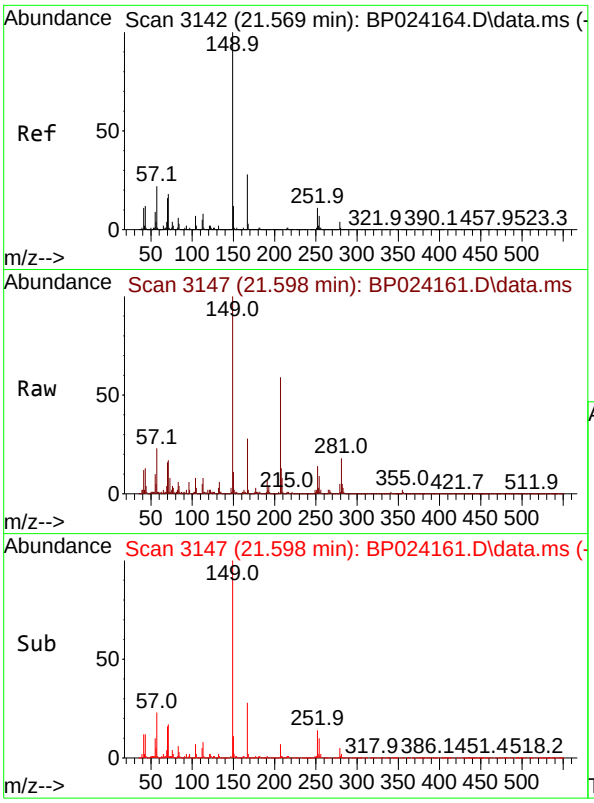




#83
Chrysene
Concen: 4.898 ng
RT: 21.722 min Scan# 3168
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:228 Resp: 467600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.7 | 24.5 | 36.7 |
| 229 | 19.9 | 16.2 | 24.2 |



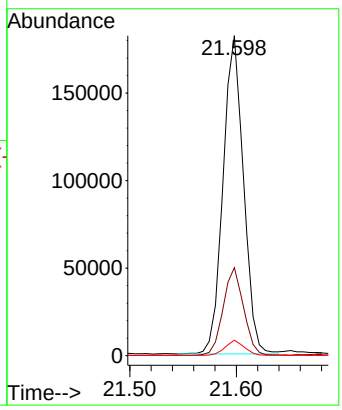


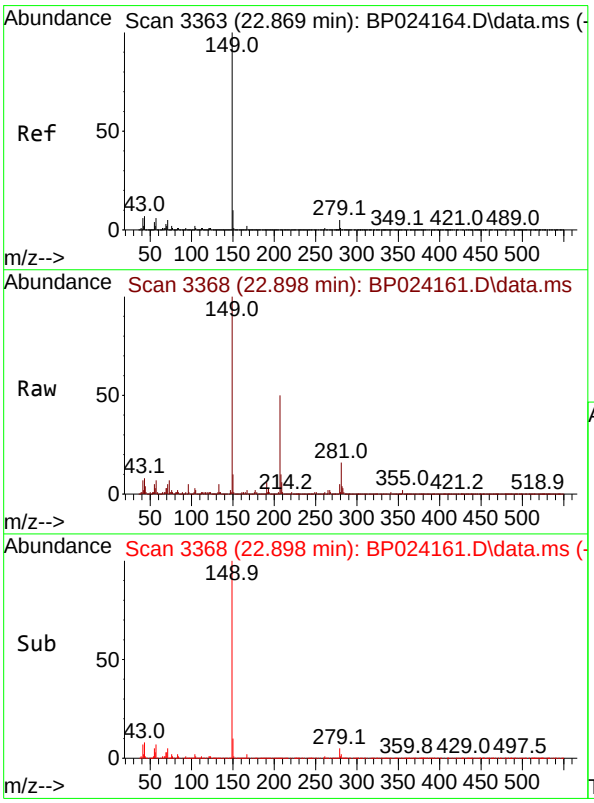

#84
Bis(2-ethylhexyl)phthalate
Concen: 4.153 ng
RT: 21.598 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:149 Resp: 242048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.5 | 22.5 | 33.7 |
| 279 | 4.8 | 3.6 | 5.4 |

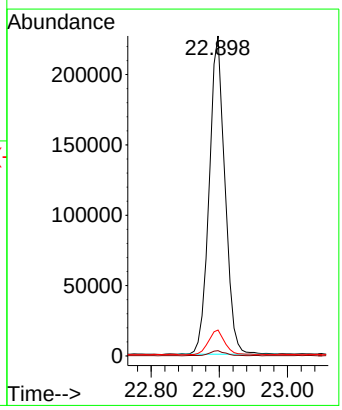


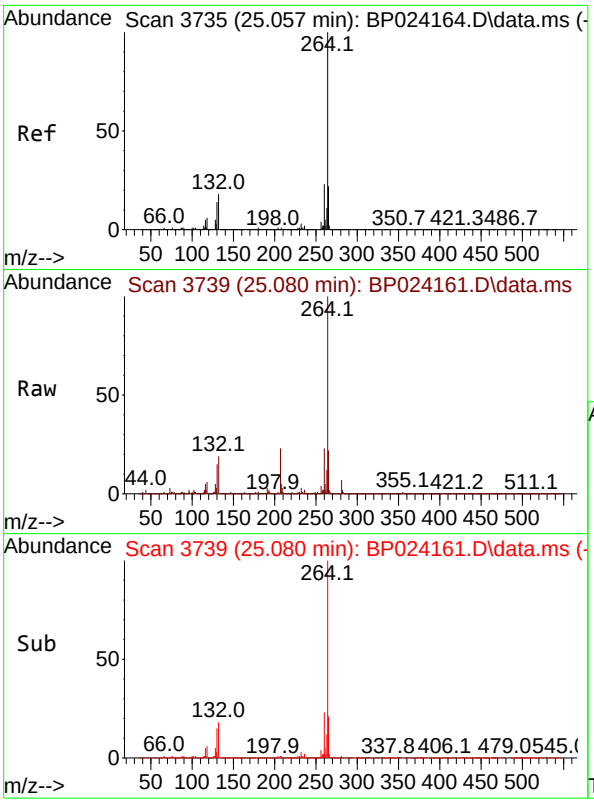




#85
Di-n-octyl phthalate
Concen: 3.905 ng
RT: 22.898 min Scan# 3368
Delta R.T. 0.029 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:149 Resp: 363786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 8.2 | 5.8 | 8.8 |



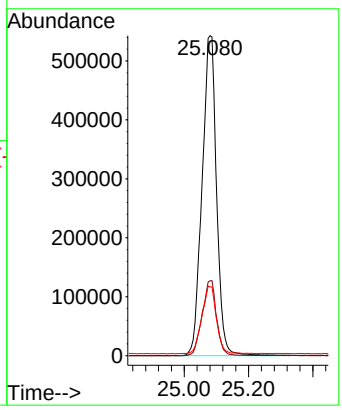


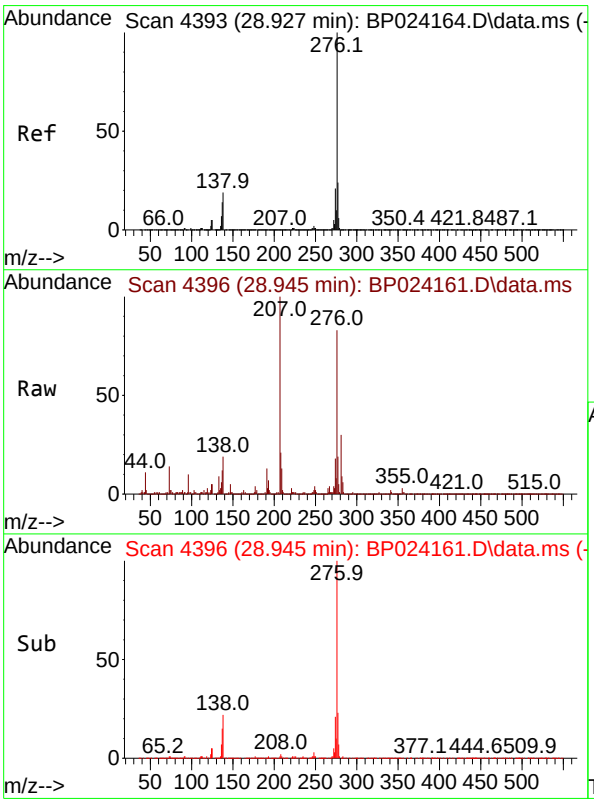

#86
Perylene-d12
Concen: 20.000 ng
RT: 25.080 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:264 Resp: 1694453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 18.5 | 27.7 |
| 265 | 21.5 | 17.7 | 26.5 |

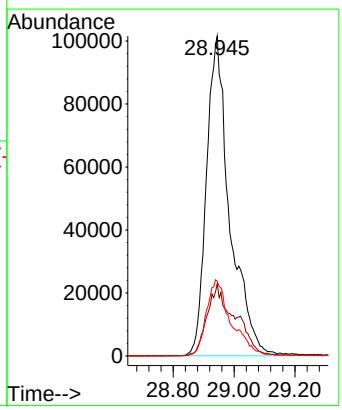


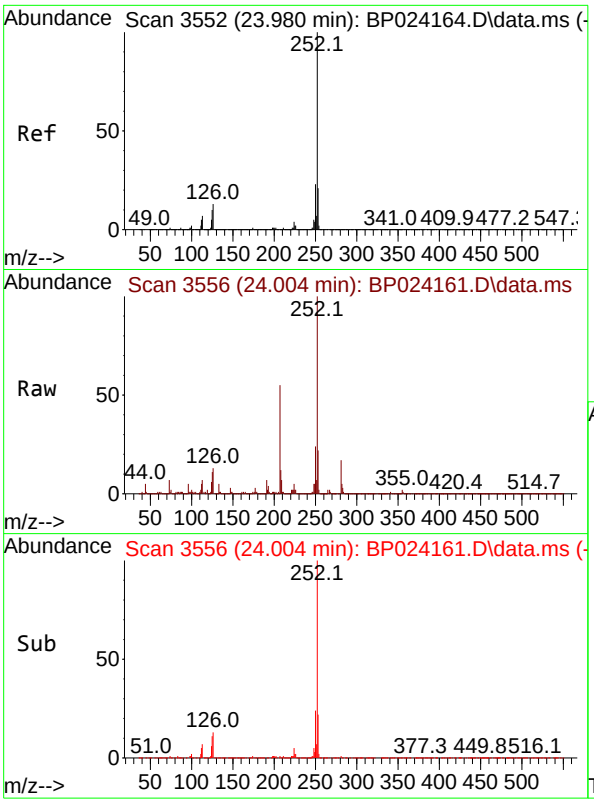




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.476 ng
RT: 28.945 min Scan# 4396
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:276 Resp: 539523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.0 | 13.7 | 20.5 |
| 277 | 25.2 | 20.2 | 30.2 |



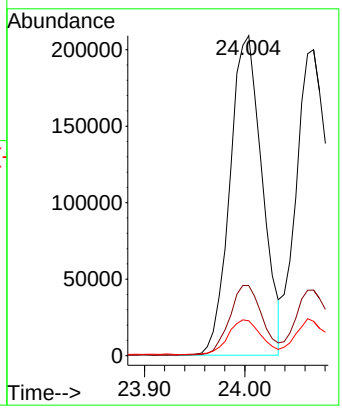


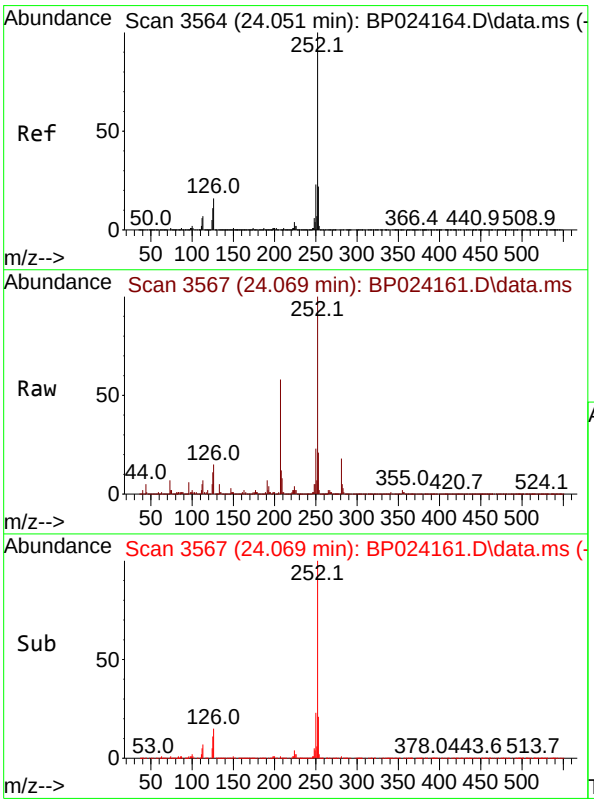

#88
Benzo(b)fluoranthene
Concen: 4.344 ng
RT: 24.004 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:252 Resp: 467406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.2 | 25.8 |
| 125 | 10.9 | 8.2 | 12.4 |

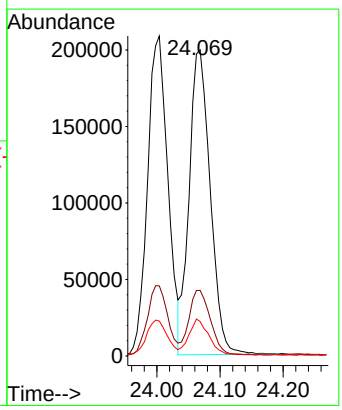


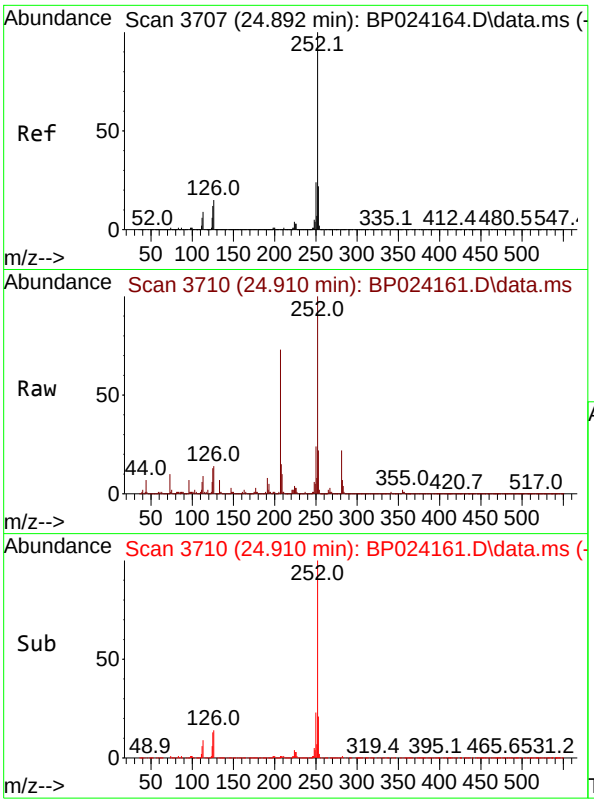




#89
Benzo(k)fluoranthene
Concen: 4.417 ng
RT: 24.069 min Scan# 3567
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:252 Resp: 462653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.4 | 17.7 | 26.5 |
| 125 | 11.3 | 9.1 | 13.7 |



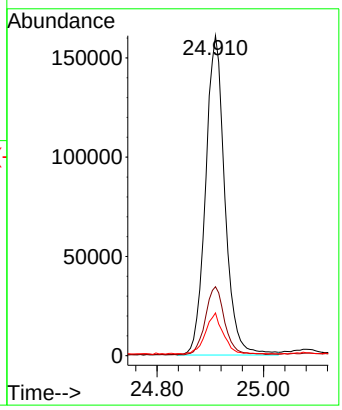


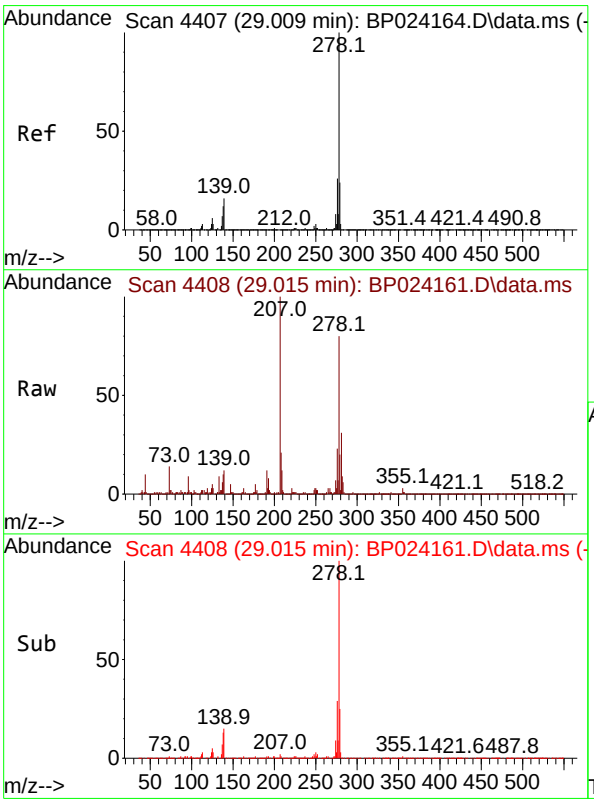

#90
Benzo(a)pyrene
Concen: 4.421 ng
RT: 24.910 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:252 Resp: 403692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.4 | 26.0 |
| 125 | 13.4 | 9.6 | 14.4 |

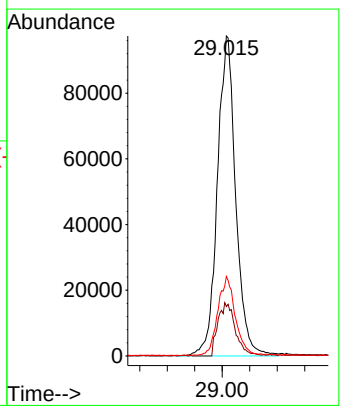


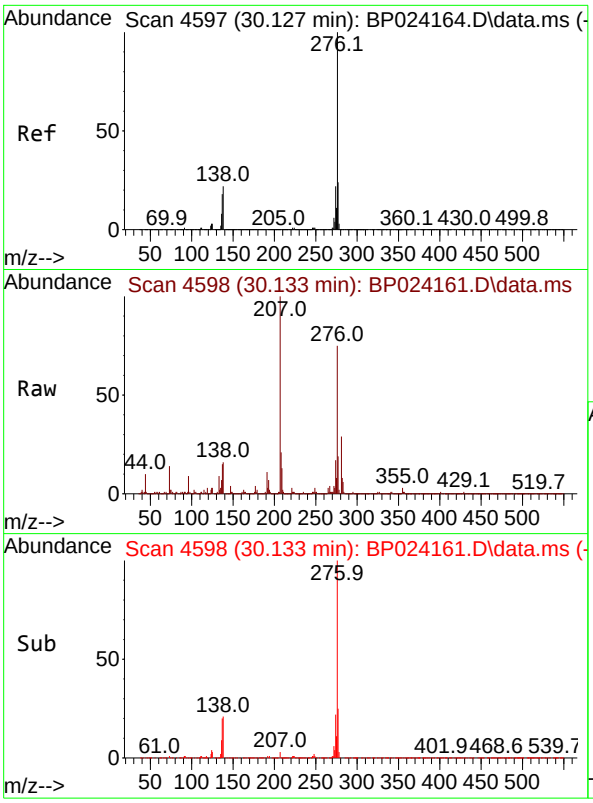




#91
Dibenzo(a,h)anthracene
Concen: 4.444 ng
RT: 29.015 min Scan# 4408
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:278 Resp: 450461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.4 | 13.0 | 19.4 |
| 279 | 24.8 | 18.8 | 28.2 |



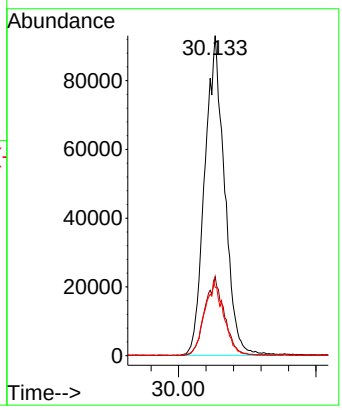



#92
Benzo(g,h,i)perylene
Concen: 4.518 ng
RT: 30.133 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:276 Resp: 464721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.7 | 19.2 | 28.8 |
| 138 | 21.4 | 17.4 | 26.2 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024162.D
Acq On : 12 Mar 2025 17:38
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Mar 13 04:06:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.769 | 152 | 350891 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.546 | 136 | 1459823 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.404 | 164 | 878356 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.210 | 188 | 1659965 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.680 | 240 | 1774754 | 20.000 | ng | | 0.02 |
| 86) Perylene-d12 | 25.074 | 264 | 1895165 | 20.000 | ng | | 0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.381 | 112 | 419093 | 18.636 | ng | | 0.00 |
| 7) Phenol-d6 | 6.946 | 99 | 554588 | 19.188 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.916 | 82 | 493399 | 18.856 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.916 | 330 | 195393 | 18.161 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.010 | 172 | 1192744 | 18.984 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.939 | 244 | 1726609 | 19.251 | ng | | 0.02 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.323 | 88 | 87630 | 9.934 | ng | | 99 |
| 3) Pyridine | 3.723 | 79 | 222685 | 9.709 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.623 | 42 | 76580 | 9.413 | ng | # | 93 |
| 6) Aniline | 7.105 | 93 | 268532 | 10.145 | ng | | 99 |
| 8) 2-Chlorophenol | 7.340 | 128 | 229815 | 9.655 | ng | | 99 |
| 9) Benzaldehyde | 6.922 | 77 | 166528 | 12.620 | ng | | 99 |
| 10) Phenol | 6.975 | 94 | 286246 | 9.849 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.199 | 93 | 231087 | 10.095 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.658 | 146 | 254039 | 9.715 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.805 | 146 | 258553 | 9.777 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 8.122 | 146 | 250124 | 9.856 | ng | | 100 |
| 15) Benzyl Alcohol | 8.005 | 79 | 169563 | 9.584 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.293 | 45 | 239855 | 10.794 | ng | | 99 |
| 17) 2-Methylphenol | 8.211 | 107 | 174913 | 9.876 | ng | | 99 |
| 18) Hexachloroethane | 8.840 | 117 | 89894 | 9.439 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.563 | 70 | 167789 | 10.797 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.534 | 107 | 238685 | 9.906 | ng | | 97 |
| 22) Acetophenone | 8.581 | 105 | 357738 | 9.536 | ng | # | 99 |
| 24) Nitrobenzene | 8.958 | 77 | 245585 | 9.536 | ng | | 96 |
| 25) Isophorone | 9.481 | 82 | 410357 | 9.590 | ng | | 100 |
| 26) 2-Nitrophenol | 9.669 | 139 | 103123 | 8.692 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.728 | 122 | 144292 | 9.265 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 9.957 | 93 | 304956 | 9.838 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.199 | 162 | 192263 | 9.046 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.410 | 180 | 227800 | 9.355 | ng | | 98 |
| 31) Naphthalene | 10.599 | 128 | 756826 | 9.642 | ng | | 99 |
| 32) Benzoic acid | 9.816 | 122 | 108330 | 7.587 | ng | | 94 |
| 33) 4-Chloroaniline | 10.705 | 127 | 260033 | 9.404 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.887 | 225 | 130104 | 9.224 | ng | | 98 |
| 35) Caprolactam | 11.481 | 113 | 57479 | 8.931 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 11.840 | 107 | 206744 | 9.462 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.210 | 142 | 498967 | 9.564 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.434 | 142 | 491304 | 9.680 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.581 | 216 | 246009 | 9.116 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.557 | 237 | 82803 | 8.245 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 12.822 | 196 | 142353 | 8.649 | ng | | 100 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024162.D
Acq On : 12 Mar 2025 17:38
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Mar 13 04:06:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

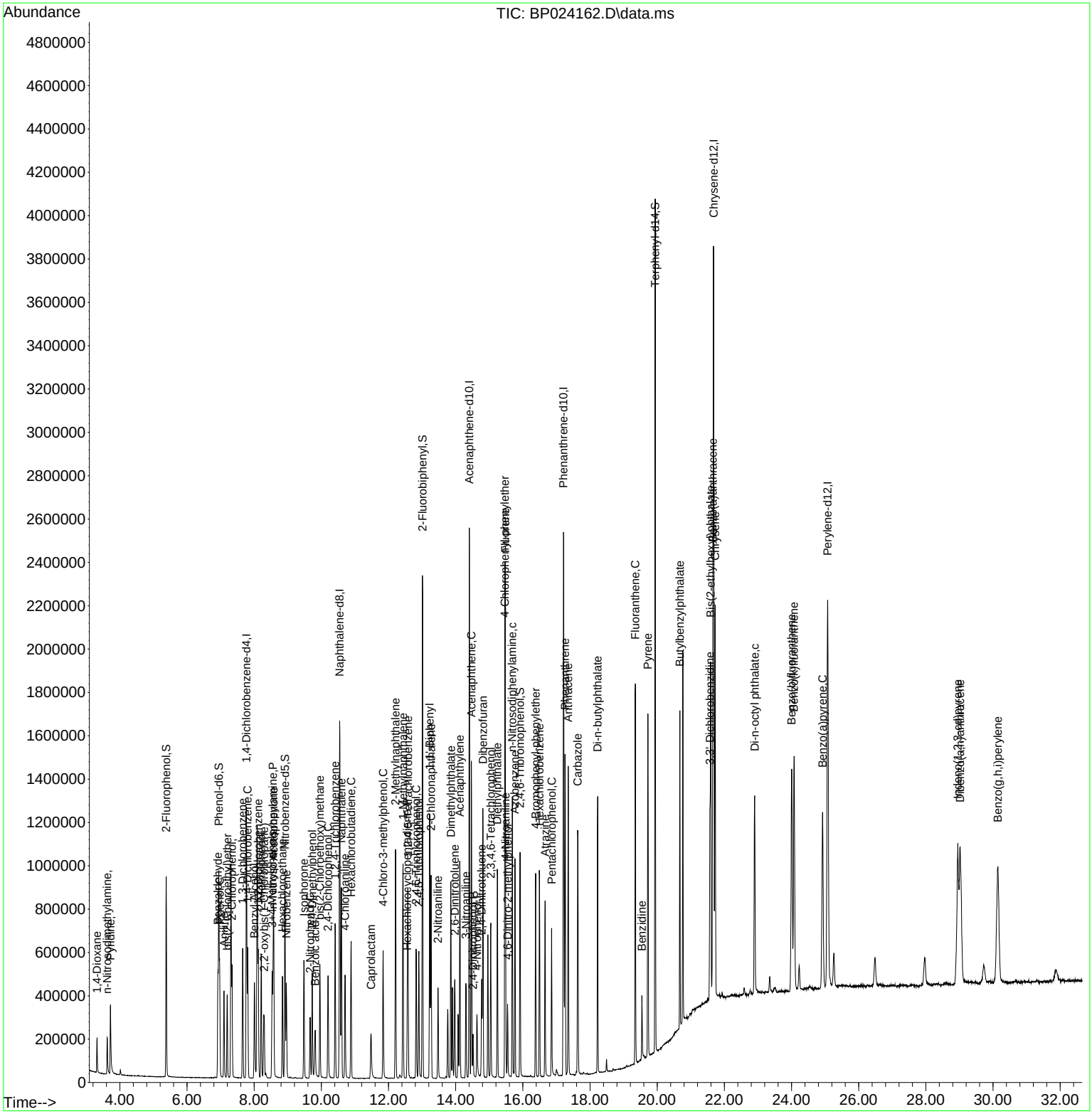
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.904 | 196 | 159135 | 8.841 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.228 | 154 | 647980 | 9.494 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.269 | 162 | 483199 | 9.365 | ng | | 98 |
| 48) 2-Nitroaniline | 13.475 | 65 | 110660 | 9.079 | ng | | 94 |
| 49) Acenaphthylene | 14.122 | 152 | 714937 | 9.405 | ng | | 99 |
| 50) Dimethylphthalate | 13.857 | 163 | 592520 | 9.563 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.975 | 165 | 116661 | 9.243 | ng | | 95 |
| 52) Acenaphthene | 14.469 | 154 | 463749 | 9.473 | ng | | 99 |
| 53) 3-Nitroaniline | 14.304 | 138 | 121229 | 9.001 | ng | | 90 |
| 54) 2,4-Dinitrophenol | 14.516 | 184 | 47409 | 7.053 | ng | | 94 |
| 55) Dibenzofuran | 14.810 | 168 | 769059 | 9.671 | ng | | 99 |
| 56) 4-Nitrophenol | 14.634 | 139 | 95936 | 8.246 | ng | | 92 |
| 57) 2,4-Dinitrotoluene | 14.775 | 165 | 146673 | 8.946 | ng | | 93 |
| 58) Fluorene | 15.475 | 166 | 589720 | 9.495 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.045 | 232 | 141666 | 9.071 | ng | | 99 |
| 60) Diethylphthalate | 15.240 | 149 | 586933 | 9.543 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.463 | 204 | 289728 | 9.478 | ng | | 99 |
| 62) 4-Nitroaniline | 15.487 | 138 | 128152 | 9.169 | ng | | 99 |
| 63) Azobenzene | 15.763 | 77 | 549569 | 9.535 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 15.545 | 198 | 70717 | 7.361 | ng | | 92 |
| 66) n-Nitrosodiphenylamine | 15.687 | 169 | 484111 | 9.352 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.381 | 248 | 171620 | 9.207 | ng | | 97 |
| 68) Hexachlorobenzene | 16.492 | 284 | 206475 | 9.414 | ng | | 98 |
| 69) Atrazine | 16.663 | 200 | 142226 | 10.706 | ng | | 99 |
| 70) Pentachlorophenol | 16.857 | 266 | 116455 | 8.175 | ng | | 100 |
| 71) Phenanthrene | 17.257 | 178 | 878834 | 9.391 | ng | | 99 |
| 72) Anthracene | 17.351 | 178 | 839953 | 9.366 | ng | | 99 |
| 73) Carbazole | 17.634 | 167 | 809266 | 9.471 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.228 | 149 | 930693 | 9.335 | ng | | 99 |
| 75) Fluoranthene | 19.351 | 202 | 1012600 | 9.566 | ng | | 98 |
| 77) Benzidine | 19.545 | 184 | 176282 | 8.151 | ng | | 99 |
| 78) Pyrene | 19.722 | 202 | 1056004 | 9.367 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.675 | 149 | 390890 | 9.049 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.657 | 228 | 1059397 | 9.520 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.569 | 252 | 327195 | 9.409 | ng | | 99 |
| 83) Chrysene | 21.727 | 228 | 1028579 | 9.585 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 21.592 | 149 | 601388 | 9.181 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.904 | 149 | 916941 | 8.757 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.951 | 276 | 1221650 | 9.061 | ng | # | 93 |
| 88) Benzo(b)fluoranthene | 24.004 | 252 | 1057737 | 8.789 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.074 | 252 | 1076560 | 9.190 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.927 | 252 | 908542 | 8.896 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 29.021 | 278 | 1026140 | 9.052 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 30.145 | 276 | 1049241 | 9.121 | ng | | 99 |

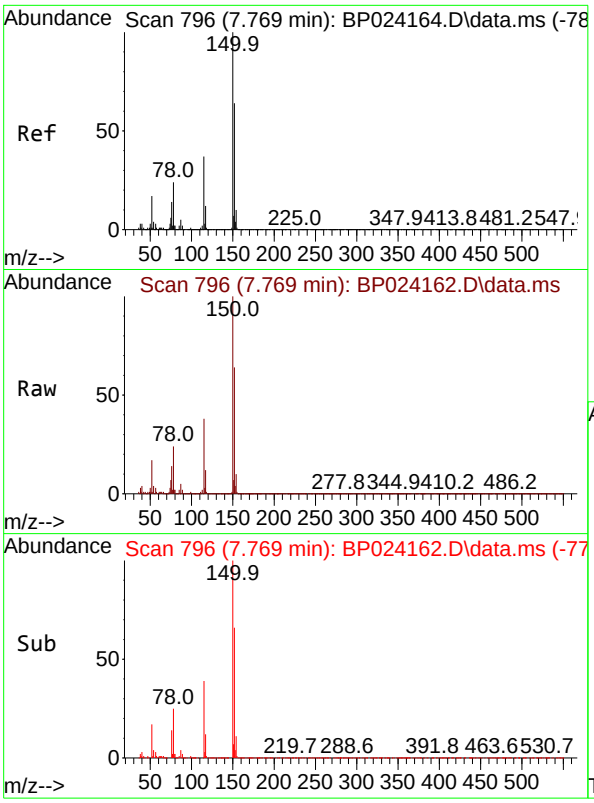
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024162.D
Acq On : 12 Mar 2025 17:38
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Mar 13 04:06:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration



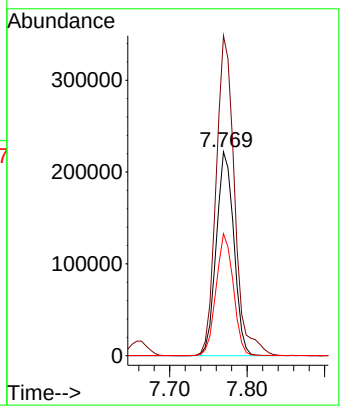


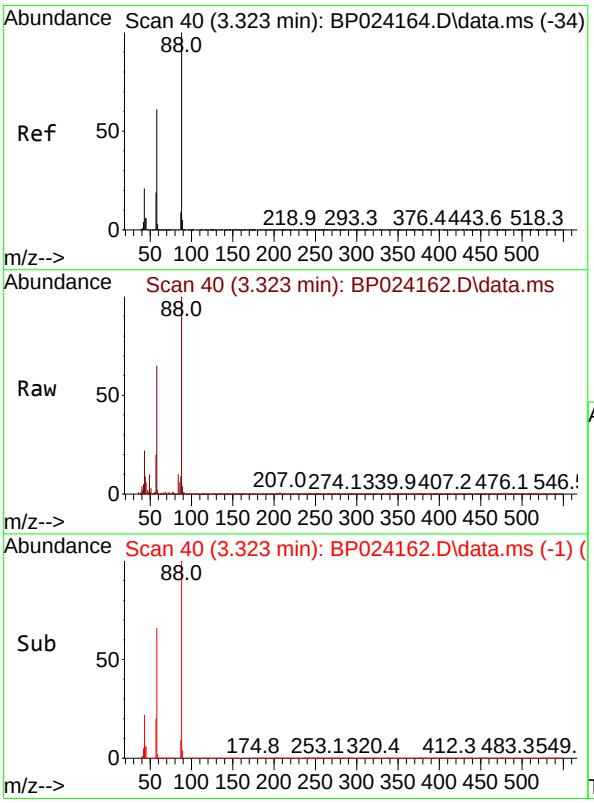

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:152 Resp: 350891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.9 | 125.5 | 188.3 |
| 115 | 59.8 | 46.3 | 69.5 |

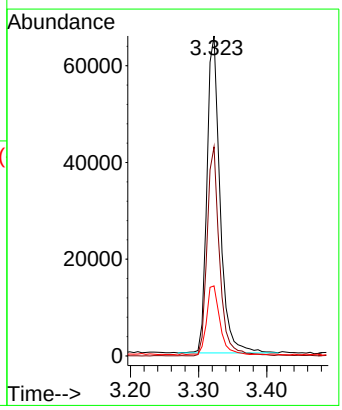


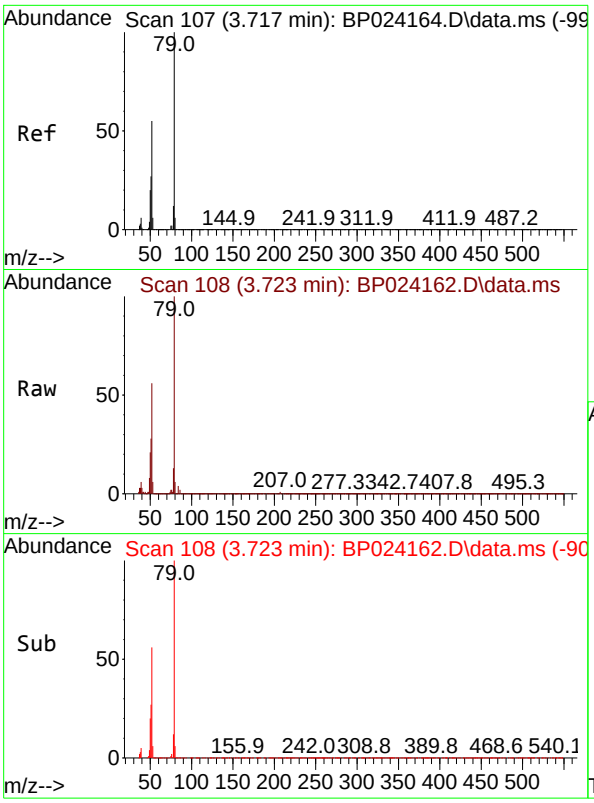




#2
1,4-Dioxane
Concen: 9.934 ng
RT: 3.323 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion: 88 Resp: 87630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 62.8 | 49.8 | 74.6 |
| 43 | 21.8 | 17.3 | 25.9 |



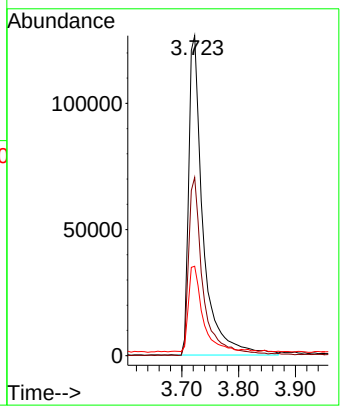


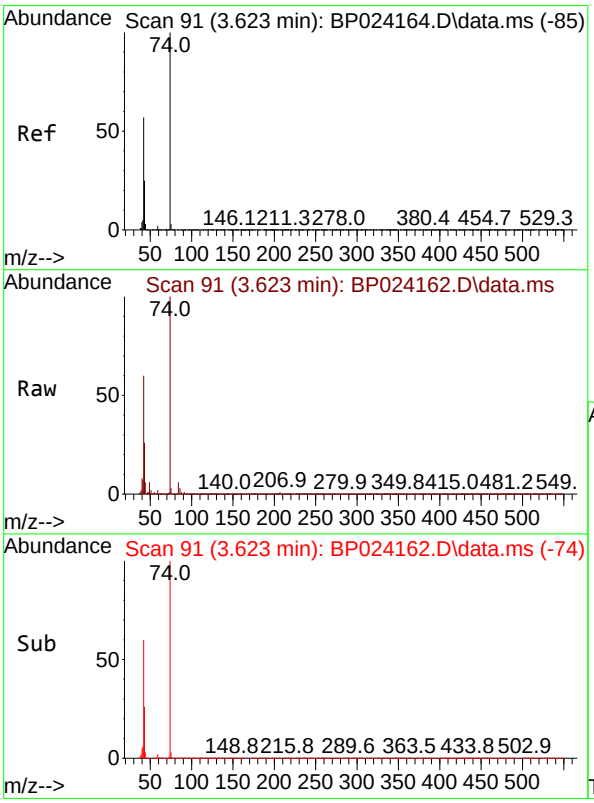

#3
Pyridine
Concen: 9.709 ng
RT: 3.723 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion: 79 Resp: 222685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 55.7 | 43.8 | 65.8 |
| 51 | 28.0 | 21.6 | 32.4 |

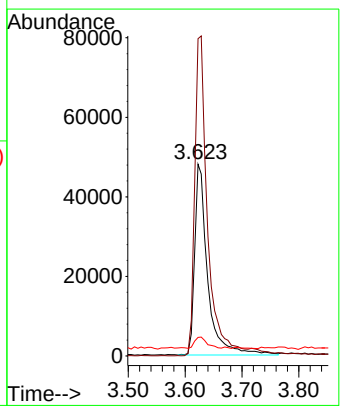


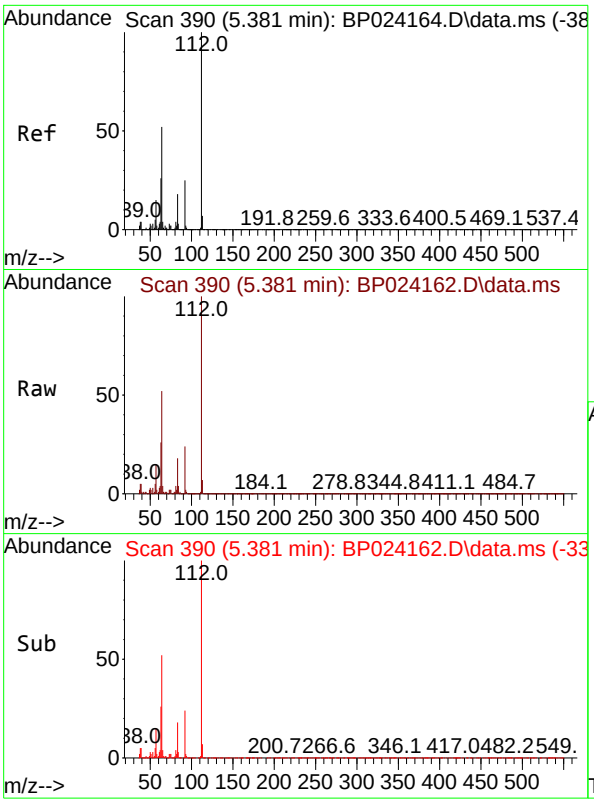




#4
n-Nitrosodimethylamine
Concen: 9.413 ng
RT: 3.623 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion: 42 Resp: 76580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 165.6 | 139.8 | 209.6 |
| 44 | 9.7 | 5.3 | 7.9# |



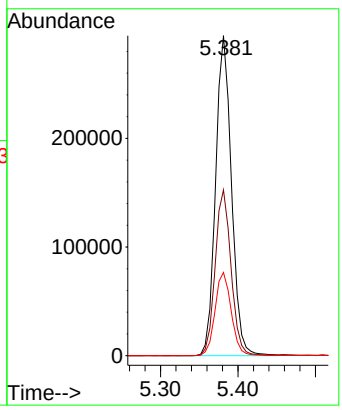


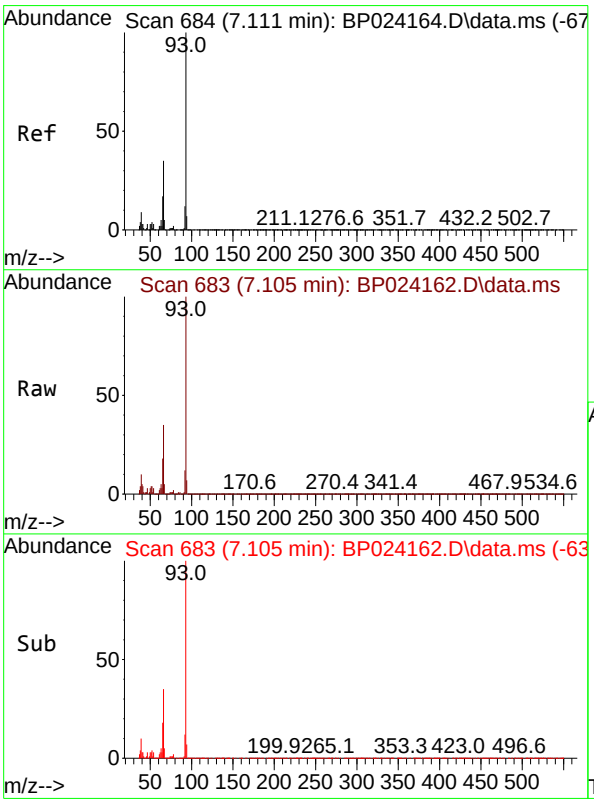

#5
2-Fluorophenol
Concen: 18.636 ng
RT: 5.381 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:112 Resp: 419093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 51.8 | 41.3 | 61.9 |
| 63 | 26.0 | 20.6 | 31.0 |

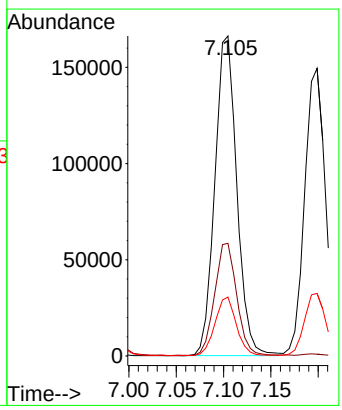


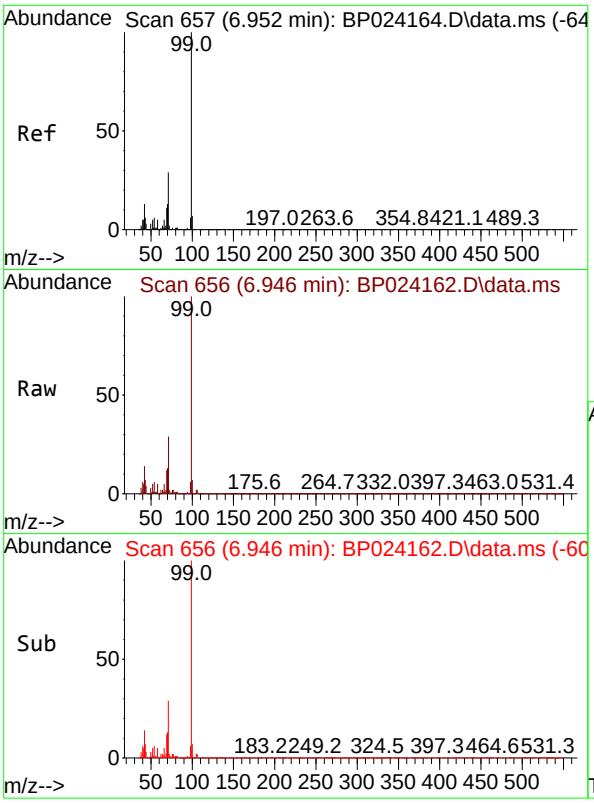




#6
Aniline
Concen: 10.145 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion: 93 Resp: 268532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 35.2 | 28.2 | 42.2 |
| 65 | 18.4 | 14.0 | 21.0 |



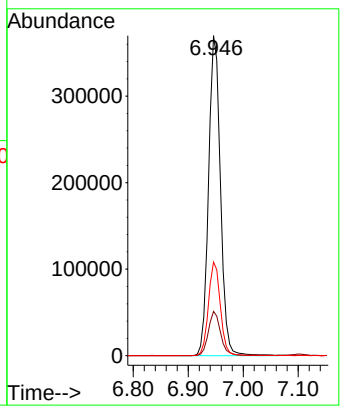


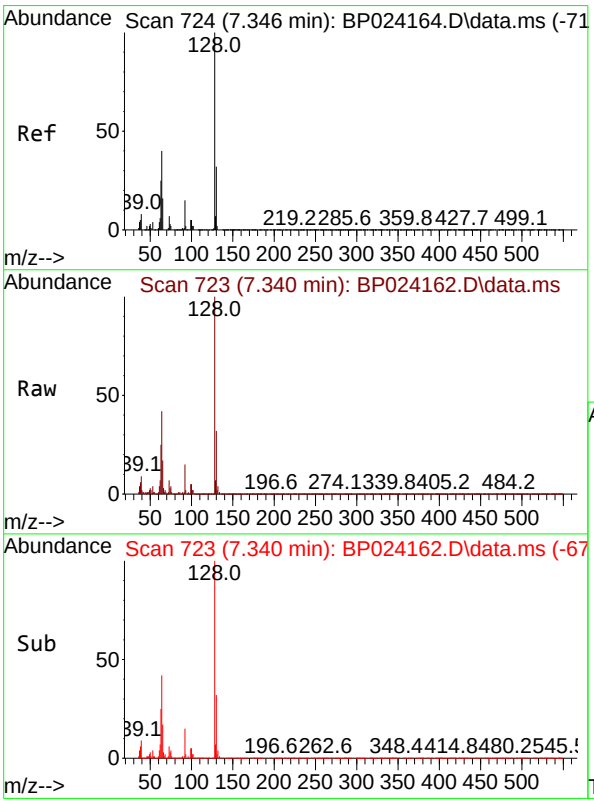

#7
Phenol-d6
Concen: 19.188 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion: 99 Resp: 554588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.9 | 10.6 | 16.0 |
| 71 | 29.3 | 23.3 | 34.9 |

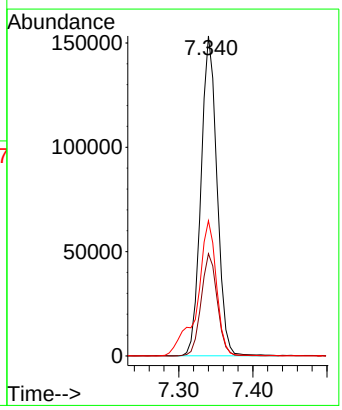


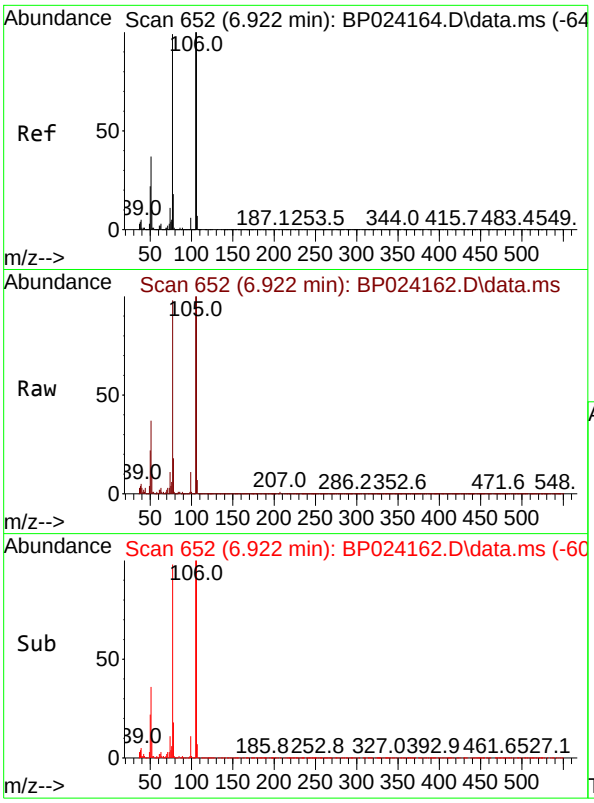




#8
2-Chlorophenol
Concen: 9.655 ng
RT: 7.340 min Scan# 723
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:128 Resp: 229815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 31.9 | 12.0 | 52.0 |
| 64 | 42.2 | 21.6 | 61.6 |



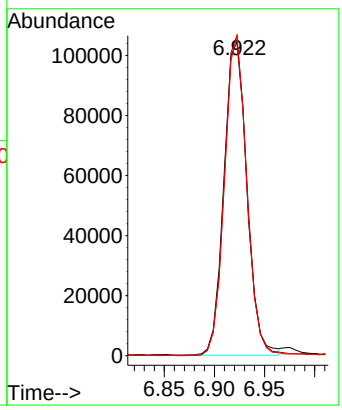


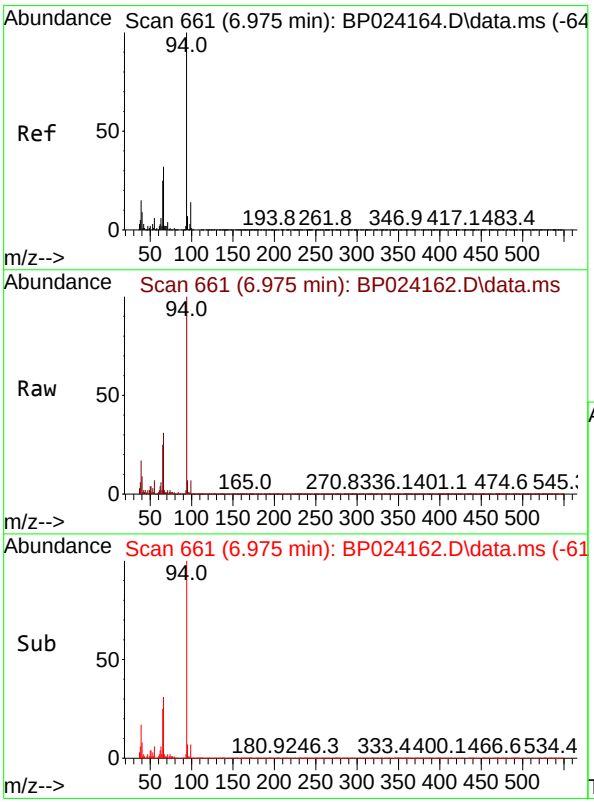

#9
Benzaldehyde
Concen: 12.620 ng
RT: 6.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion: 77 Resp: 166528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 102.0 | 81.4 | 121.4 |
| 106 | 101.9 | 81.1 | 121.1 |

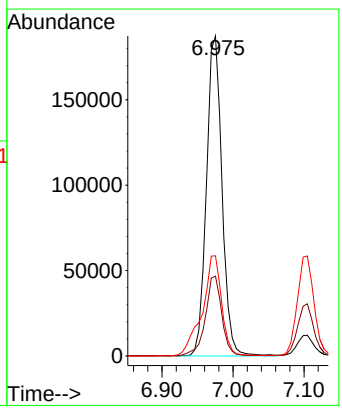


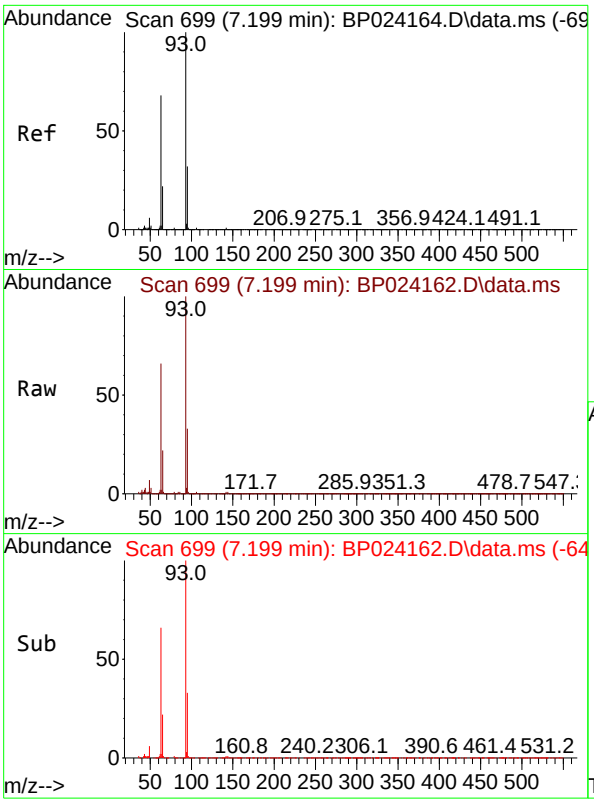




#10
Phenol
Concen: 9.849 ng
RT: 6.975 min Scan# 661
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion: 94 Resp: 286246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 25.0 | 4.9 | 44.9 |
| 66 | 31.3 | 11.9 | 51.9 |



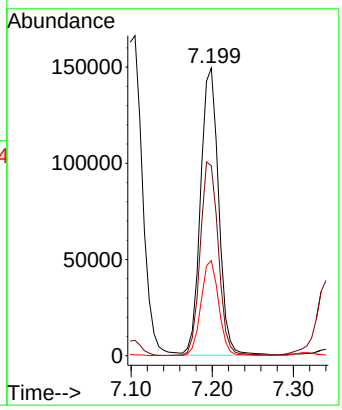


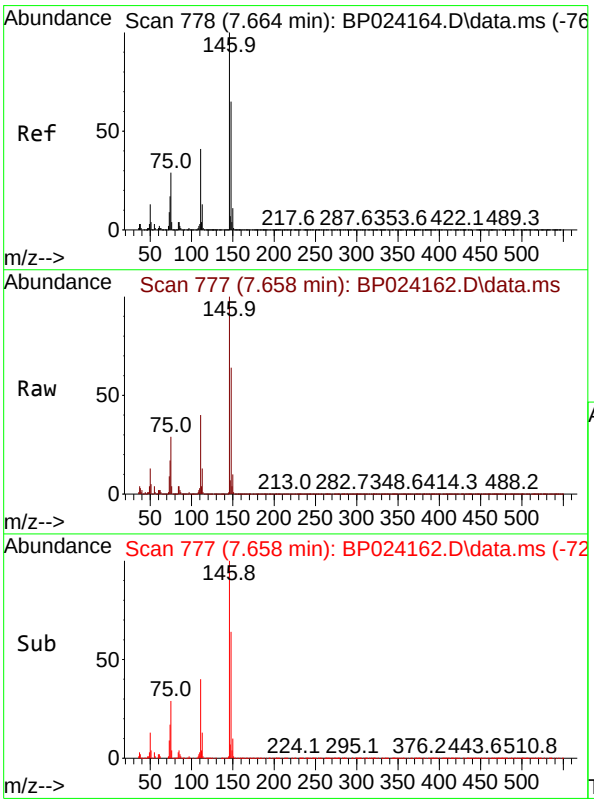

#11
bis(2-Chloroethyl)ether
Concen: 10.095 ng
RT: 7.199 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion: 93 Resp: 231087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 66.0 | 47.4 | 87.4 |
| 95 | 33.0 | 12.1 | 52.1 |

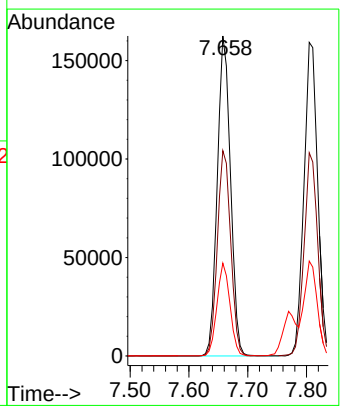


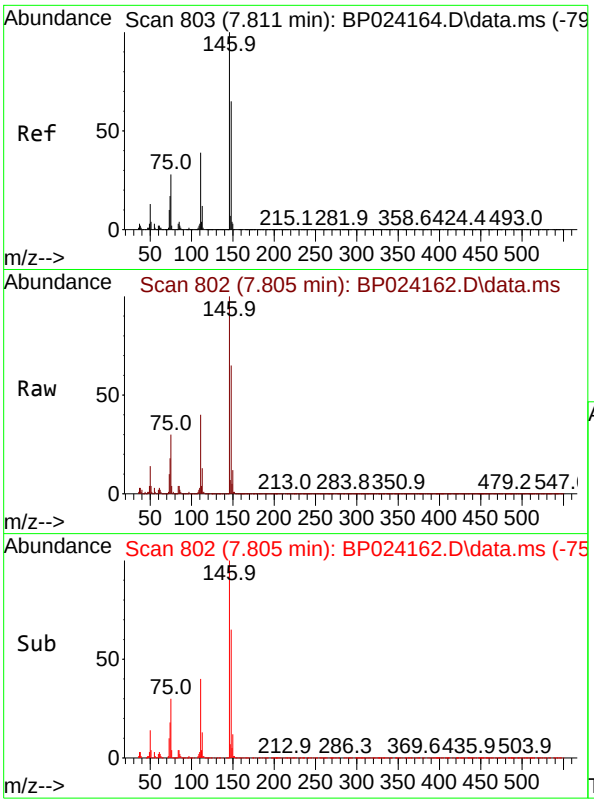




#12
1,3-Dichlorobenzene
Concen: 9.715 ng
RT: 7.658 min Scan# 777
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:146 Resp: 254039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.1 | 51.6 | 77.4 |
| 75 | 29.0 | 22.8 | 34.2 |



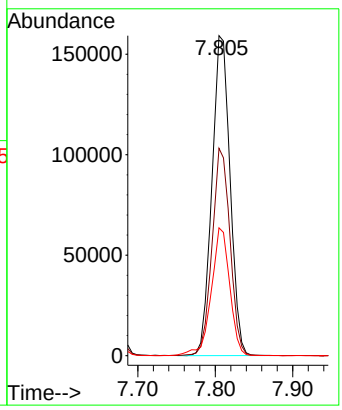


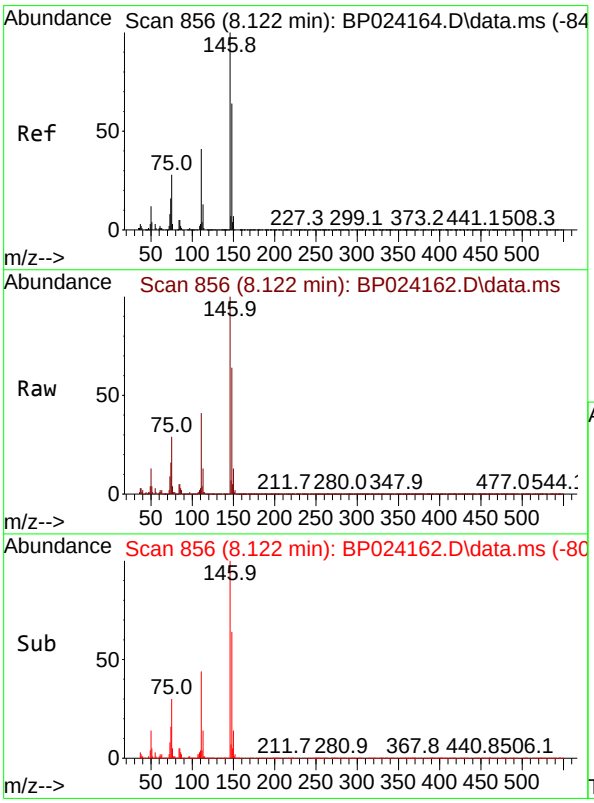

#13
1,4-Dichlorobenzene
Concen: 9.777 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:146 Resp: 258553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.8 | 51.9 | 77.9 |
| 111 | 39.9 | 31.4 | 47.2 |

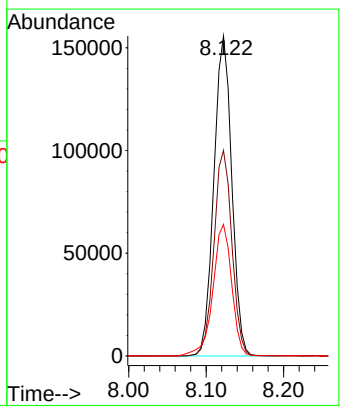


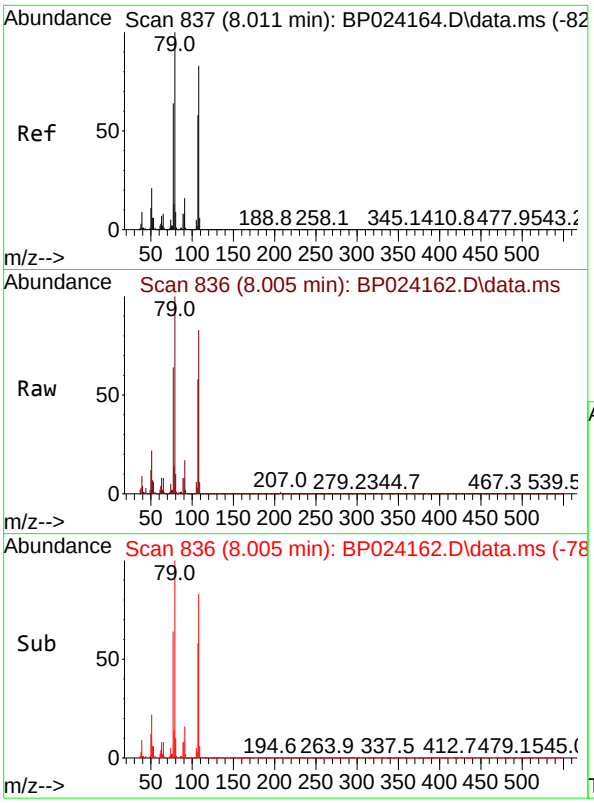




#14
1,2-Dichlorobenzene
Concen: 9.856 ng
RT: 8.122 min Scan# 856
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:146 Resp: 250124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.3 | 51.4 | 77.2 |
| 111 | 41.1 | 33.2 | 49.8 |



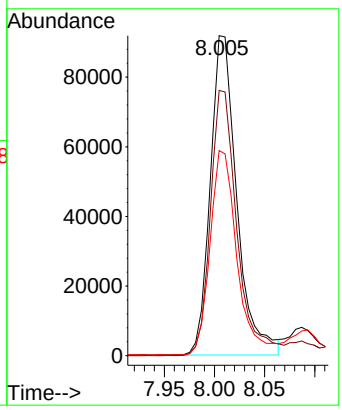


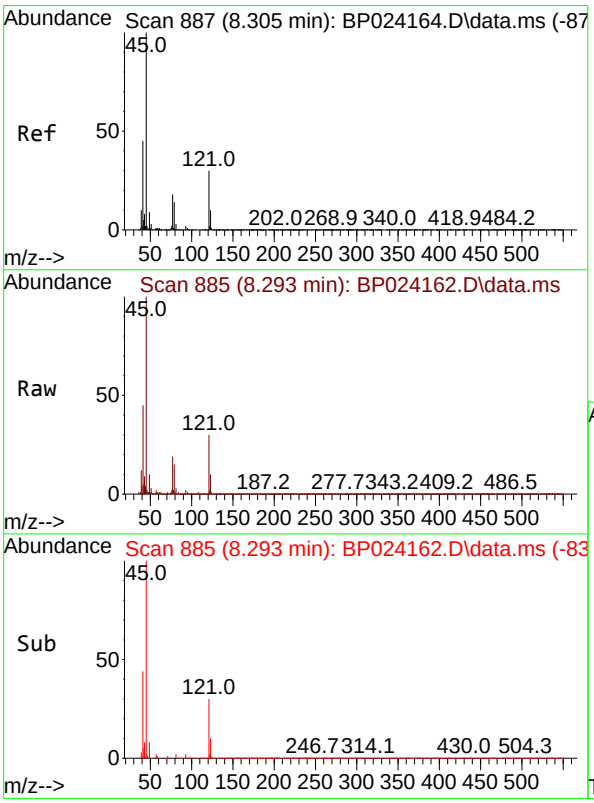

#15
Benzyl Alcohol
Concen: 9.584 ng
RT: 8.005 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion: 79 Resp: 169563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 82.9 | 66.5 | 99.7 |
| 77 | 64.1 | 50.9 | 76.3 |

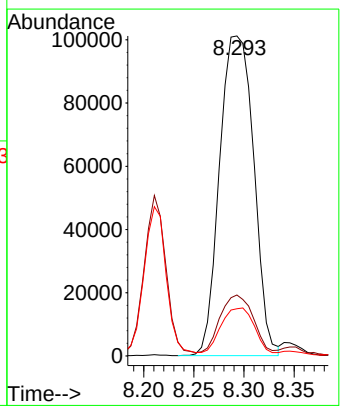


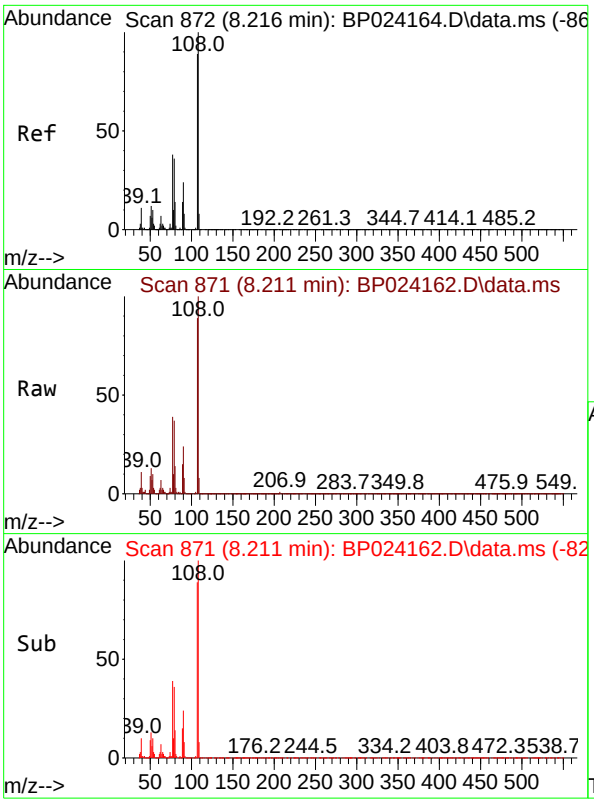




#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.794 ng
RT: 8.293 min Scan# 885
Delta R.T. -0.012 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion: 45 Resp: 239855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 19.1 | 0.0 | 39.0 |
| 79 | 14.8 | 0.0 | 35.6 |



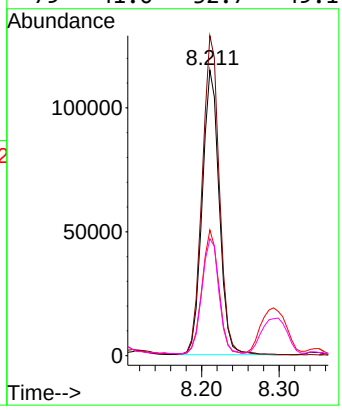


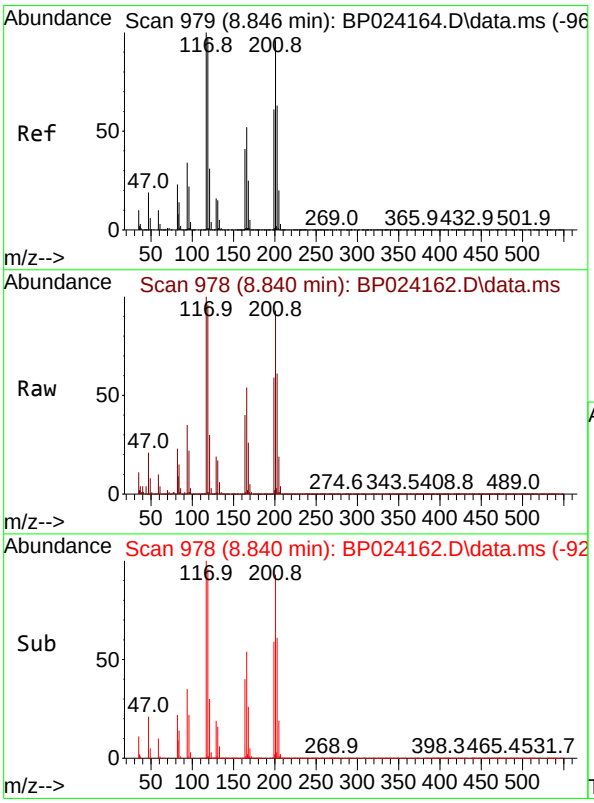

#17
2-Methylphenol
Concen: 9.876 ng
RT: 8.211 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:107 Resp: 174913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.0 | 90.0 | 135.0 |
| 77 | 44.0 | 34.0 | 51.0 |
| 79 | 41.0 | 32.7 | 49.1 |

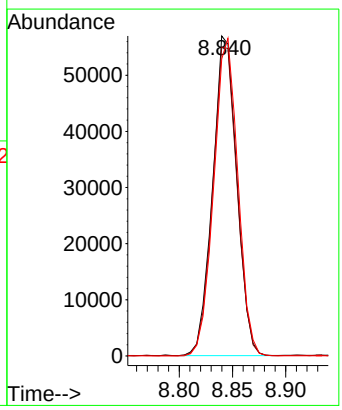


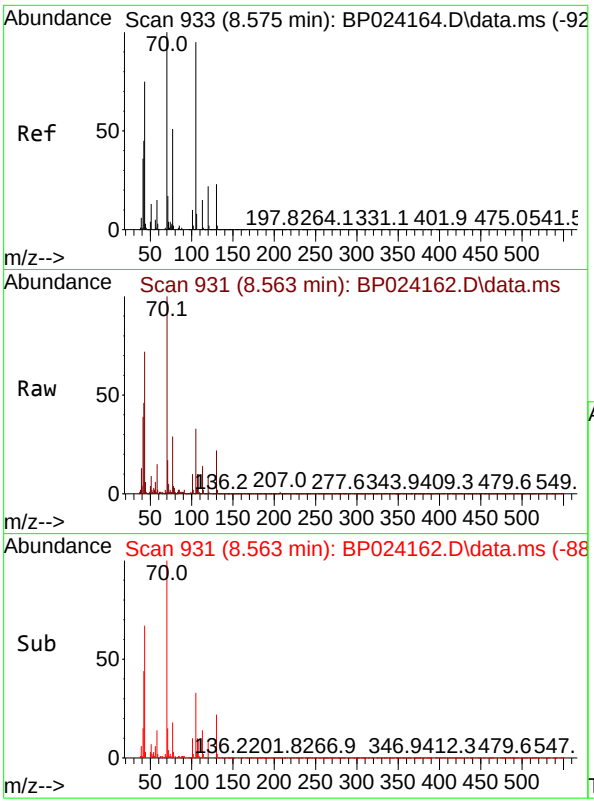




#18
Hexachloroethane
Concen: 9.439 ng
RT: 8.840 min Scan# 978
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:117 Resp: 89894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.5 | 77.4 | 116.0 |
| 201 | 92.8 | 76.6 | 114.8 |



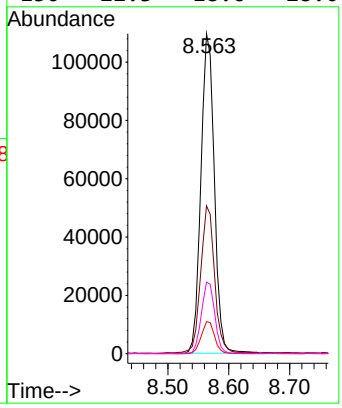


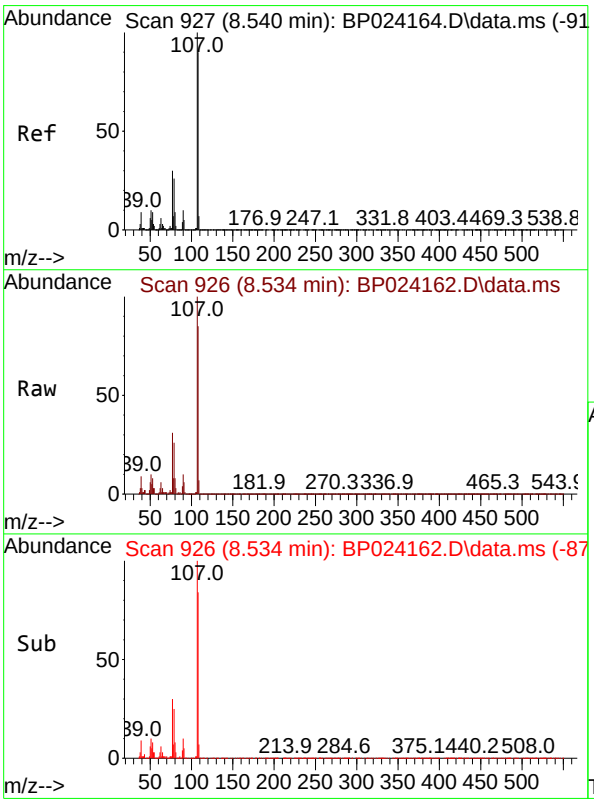

#19
n-Nitroso-di-n-propylamine
Concen: 10.797 ng
RT: 8.563 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion: 70 Resp: 167789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 46.2 | 36.0 | 54.0 |
| 101 | 10.0 | 8.3 | 12.5 |
| 130 | 22.3 | 18.6 | 28.0 |

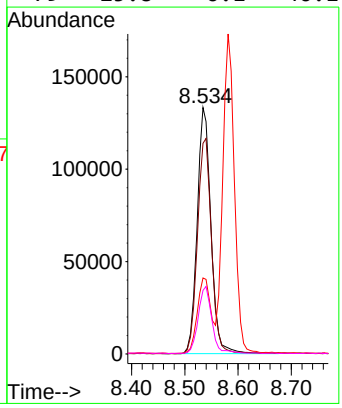


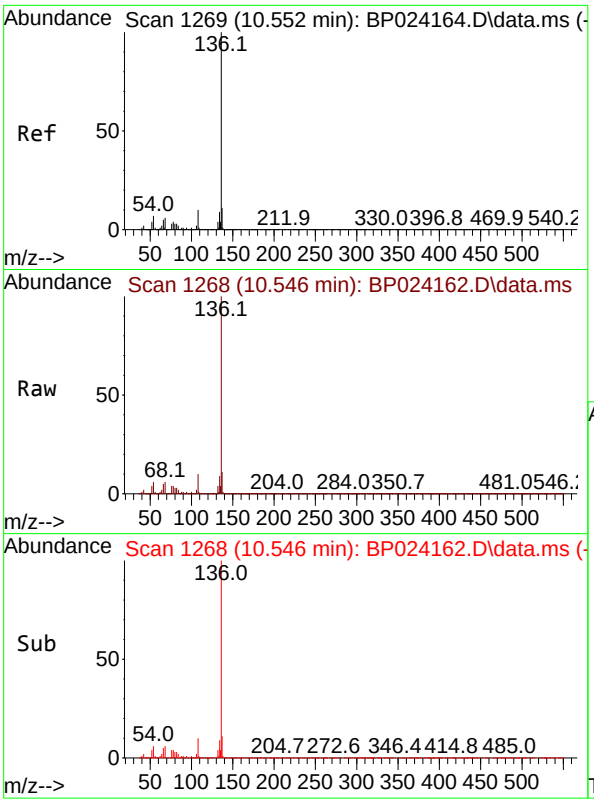




#20
3+4-Methylphenols
Concen: 9.906 ng
RT: 8.534 min Scan# 926
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:107 Resp: 238685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 85.5 | 69.7 | 109.7 |
| 77 | 30.8 | 10.3 | 50.3 |
| 79 | 25.8 | 6.1 | 46.1 |



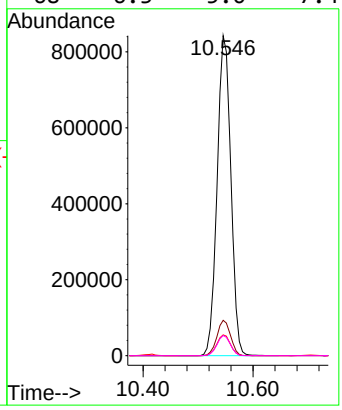


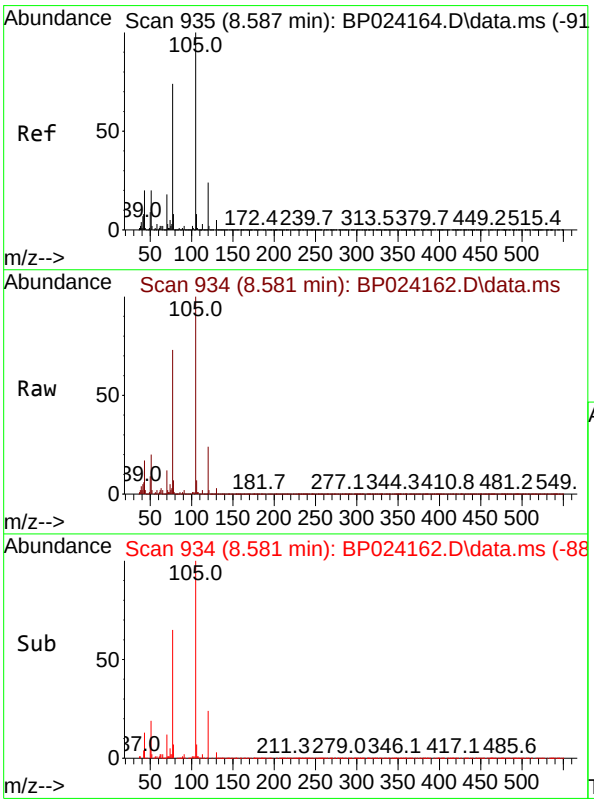

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.546 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:136 Resp: 1459823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 9.0 | 13.4 |
| 54 | 6.5 | 5.3 | 7.9 |
| 68 | 6.3 | 5.0 | 7.4 |

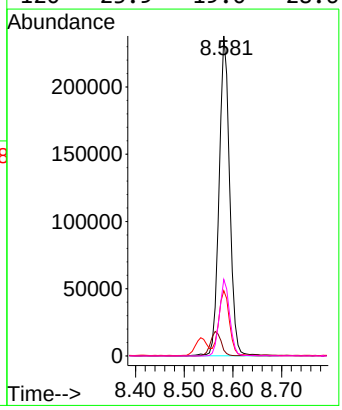


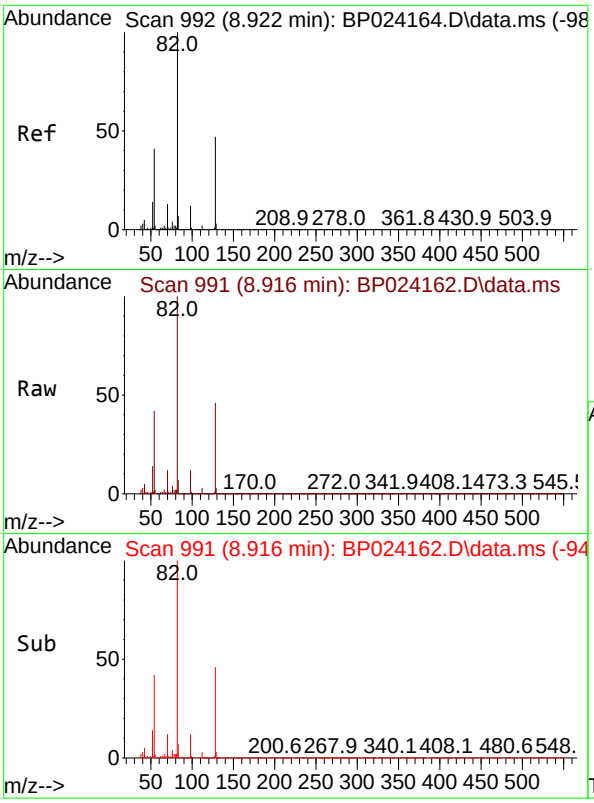




#22
Acetophenone
Concen: 9.536 ng
RT: 8.581 min Scan# 934
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:105 Resp: 357738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 1.8 | 2.4 | 3.6# |
| 51 | 20.4 | 16.2 | 24.2 |
| 120 | 23.9 | 19.0 | 28.6 |



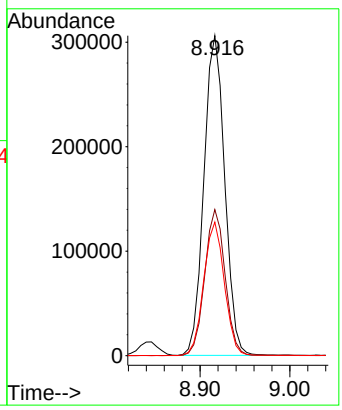


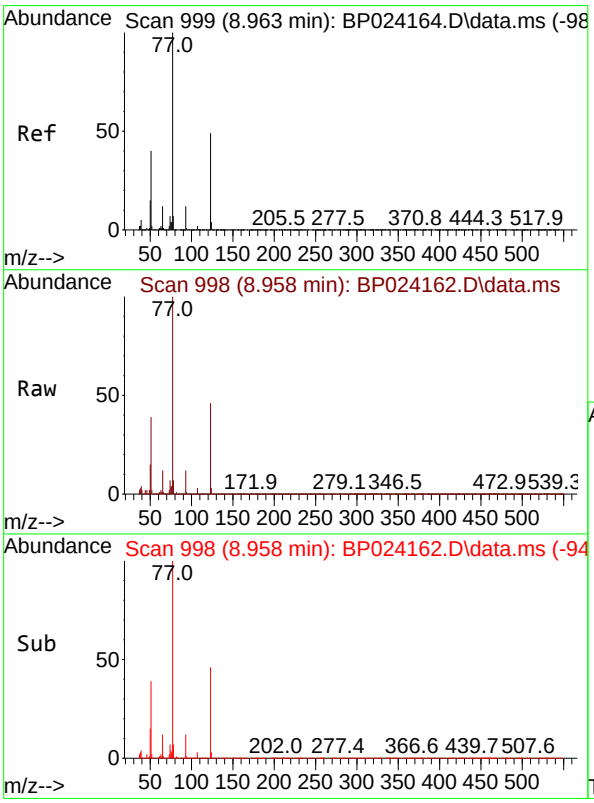

#23
Nitrobenzene-d5
Concen: 18.856 ng
RT: 8.916 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion: 82 Resp: 493399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.7 | 37.4 | 56.0 |
| 54 | 41.7 | 32.5 | 48.7 |

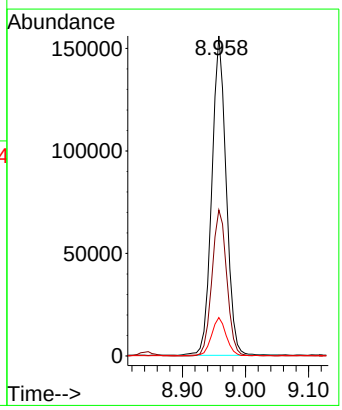


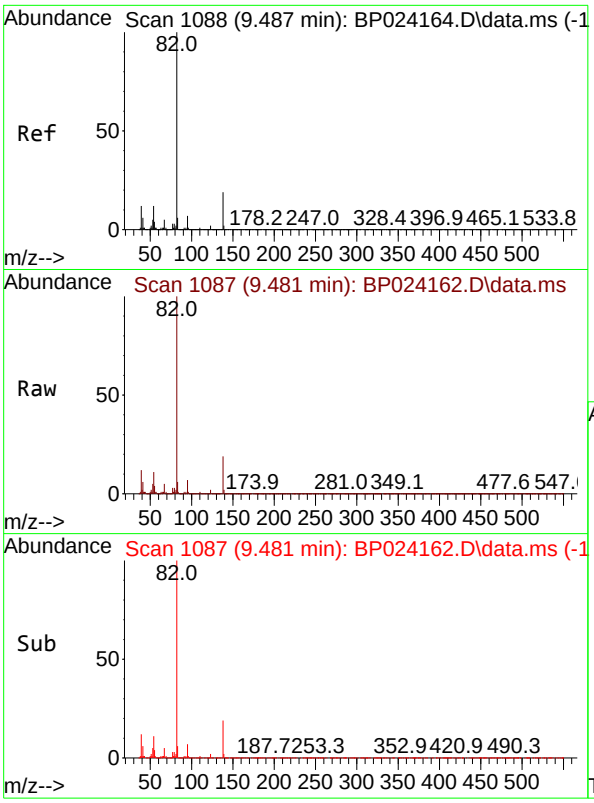




#24
Nitrobenzene
Concen: 9.536 ng
RT: 8.958 min Scan# 998
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion: 77 Resp: 245585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 45.7 | 39.4 | 59.2 |
| 65 | 12.0 | 9.9 | 14.9 |



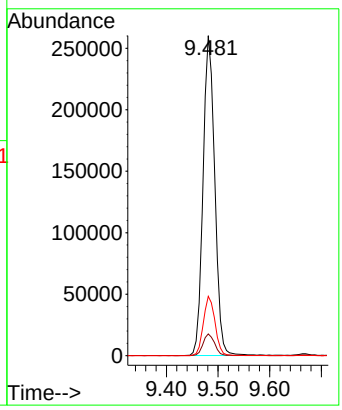


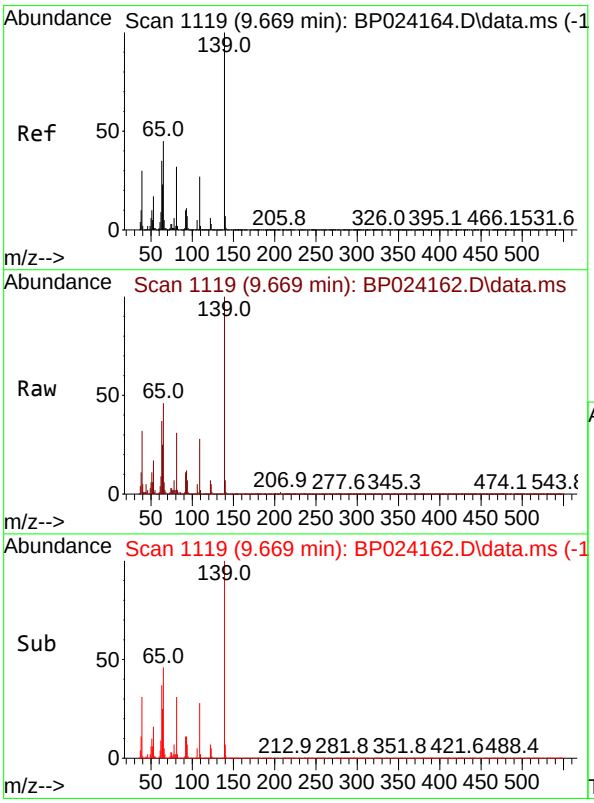

#25
Isophorone
Concen: 9.590 ng
RT: 9.481 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion: 82 Resp: 410357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.8 | 5.3 | 7.9 |
| 138 | 18.6 | 14.8 | 22.2 |

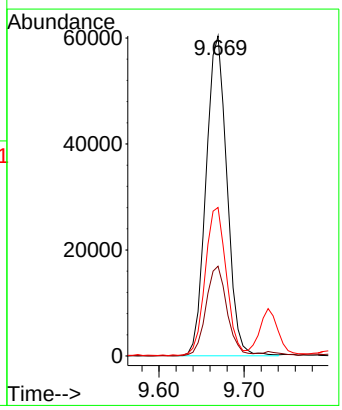


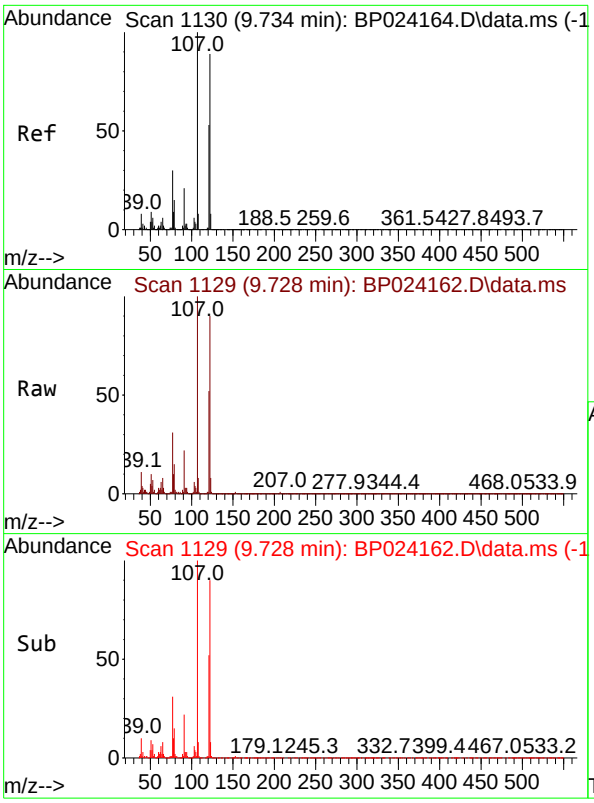




#26
2-Nitrophenol
Concen: 8.692 ng
RT: 9.669 min Scan# 1119
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:139 Resp: 103123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 28.1 | 21.7 | 32.5 |
| 65 | 46.4 | 35.8 | 53.8 |



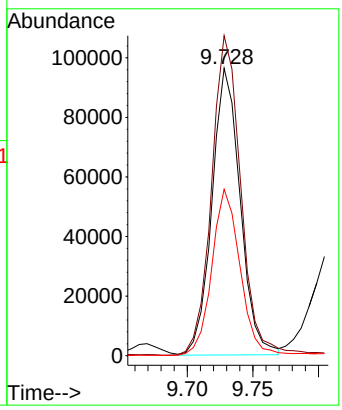


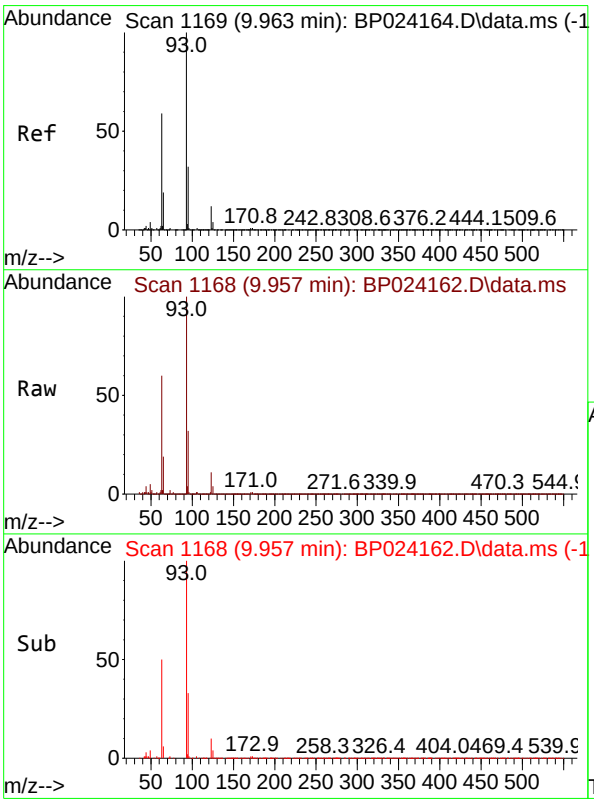

#27
2,4-Dimethylphenol
Concen: 9.265 ng
RT: 9.728 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:122 Resp: 144292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 111.4 | 89.3 | 133.9 |
| 121 | 57.9 | 47.5 | 71.3 |

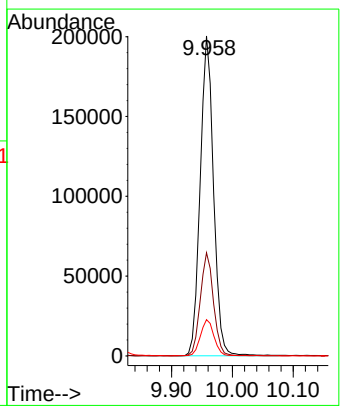


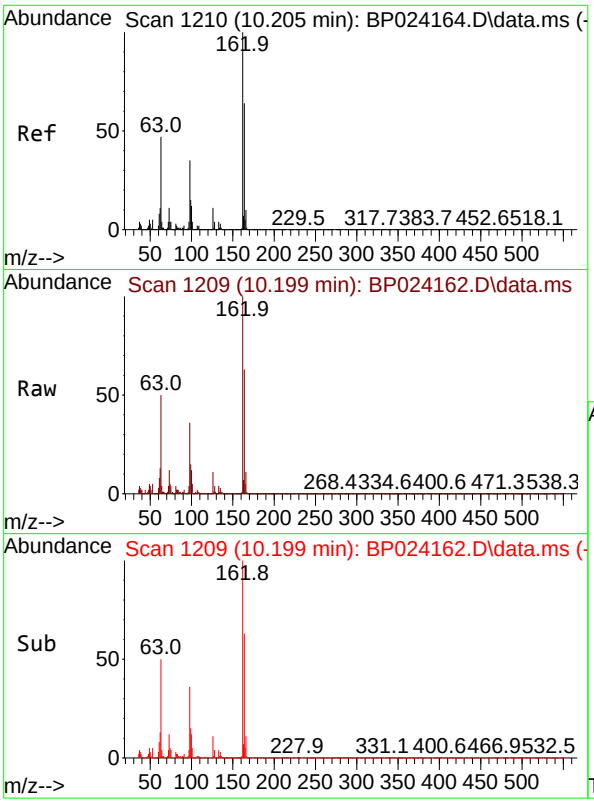




#28
bis(2-Chloroethoxy)methane
Concen: 9.838 ng
RT: 9.957 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion: 93 Resp: 304956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.2 | 25.9 | 38.9 |
| 123 | 11.3 | 9.5 | 14.3 |



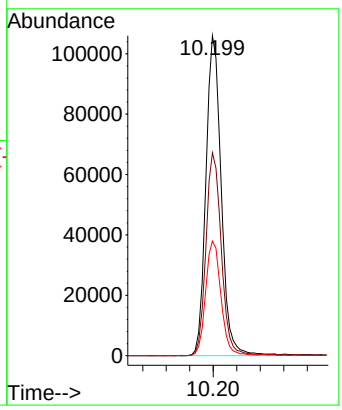


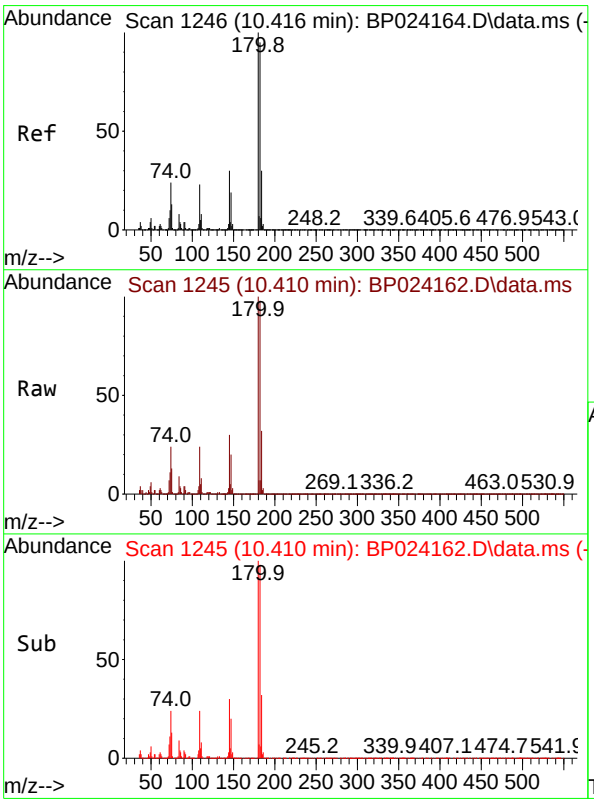

#29
2,4-Dichlorophenol
Concen: 9.046 ng
RT: 10.199 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:162 Resp: 192263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.4 | 44.2 | 84.2 |
| 98 | 35.8 | 15.1 | 55.1 |

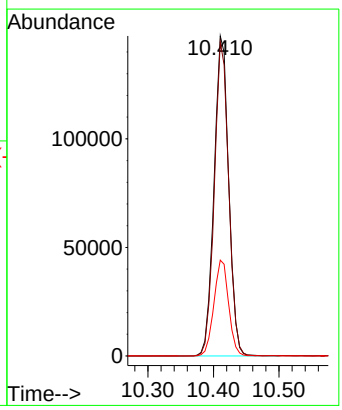


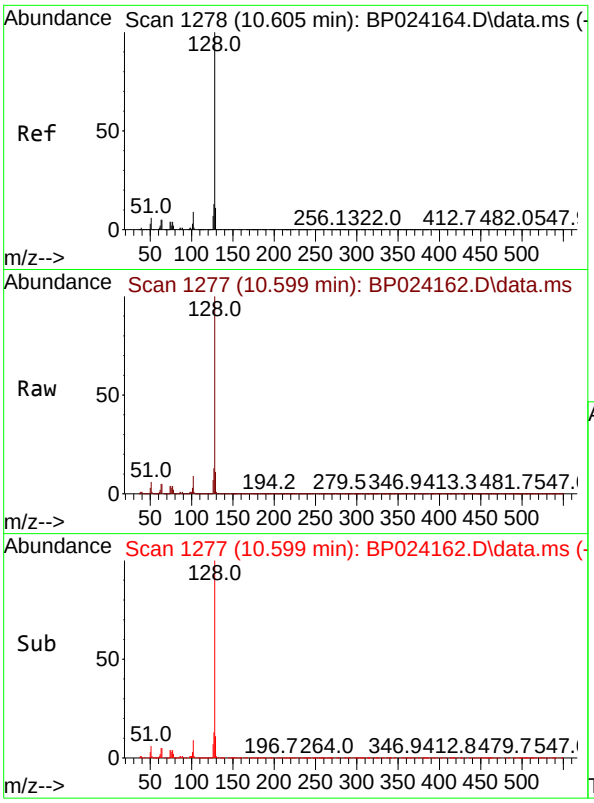




#30
1,2,4-Trichlorobenzene
Concen: 9.355 ng
RT: 10.410 min Scan# 1245
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:180 Resp: 227800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 98.1 | 76.1 | 114.1 |
| 145 | 30.0 | 24.2 | 36.2 |



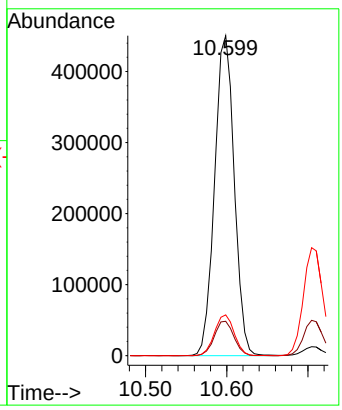


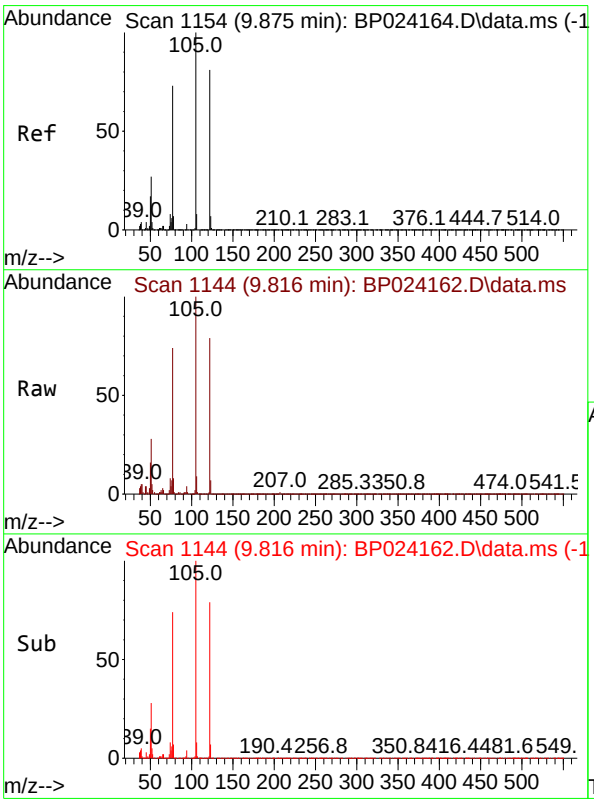

#31
Naphthalene
Concen: 9.642 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:128 Resp: 756826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.7 | 8.7 | 13.1 |
| 127 | 12.8 | 10.4 | 15.6 |

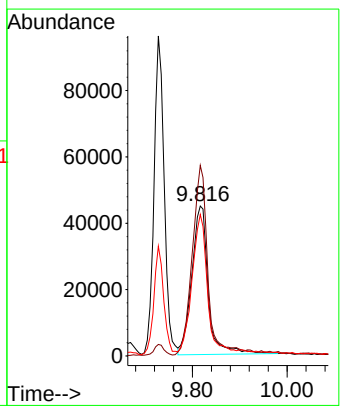


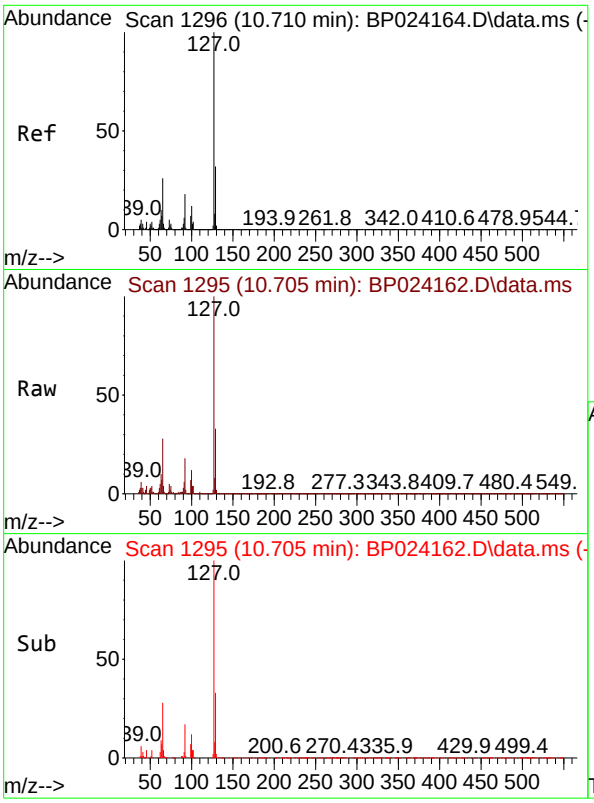




#32
Benzoic acid
Concen: 7.587 ng
RT: 9.816 min Scan# 1144
Delta R.T. -0.059 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:122 Resp: 108330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 127.1 | 100.3 | 140.3 |
| 77 | 94.3 | 69.1 | 109.1 |



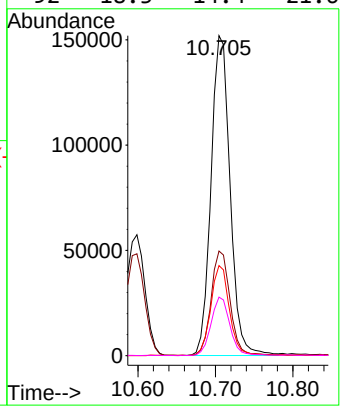


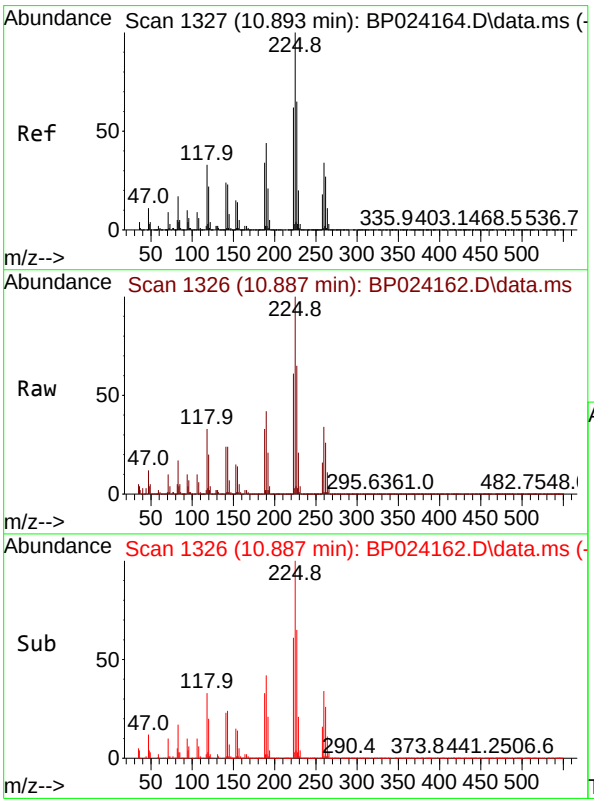

#33
4-Chloroaniline
Concen: 9.404 ng
RT: 10.705 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:127 Resp: 260033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.7 | 25.8 | 38.6 |
| 65 | 28.2 | 21.2 | 31.8 |
| 92 | 18.3 | 14.4 | 21.6 |

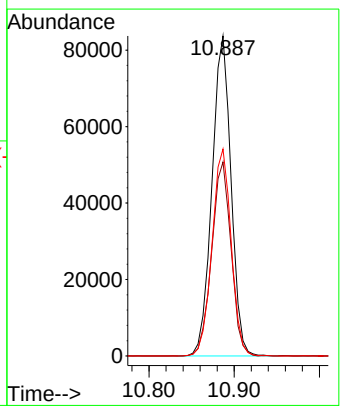


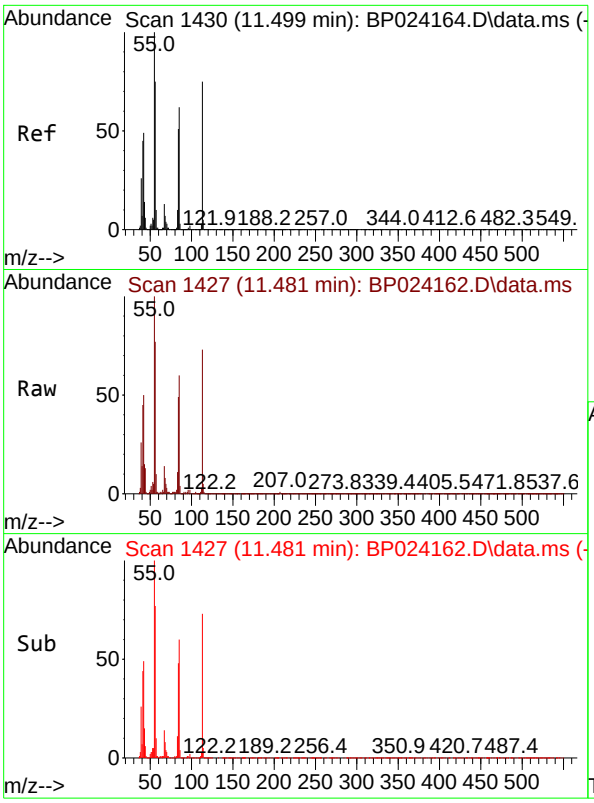




#34
Hexachlorobutadiene
Concen: 9.224 ng
RT: 10.887 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:225 Resp: 130104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 60.6 | 49.9 | 74.9 |
| 227 | 64.6 | 52.2 | 78.2 |



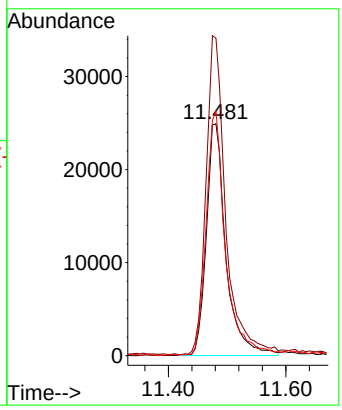


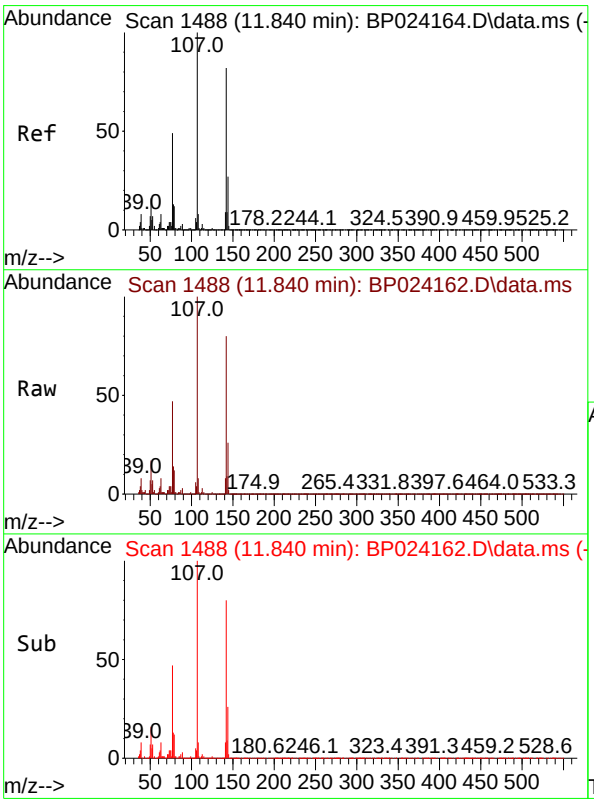

#35
Caprolactam
Concen: 8.931 ng
RT: 11.481 min Scan# 14
Delta R.T. -0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:113 Resp: 57479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 137.0 | 113.6 | 153.6 |
| 56 | 105.5 | 80.0 | 120.0 |

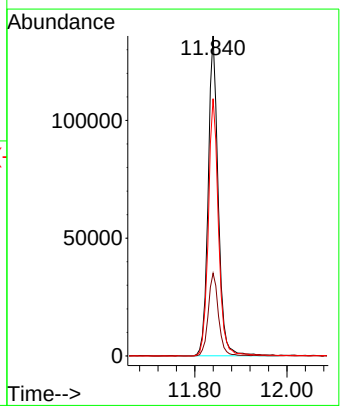


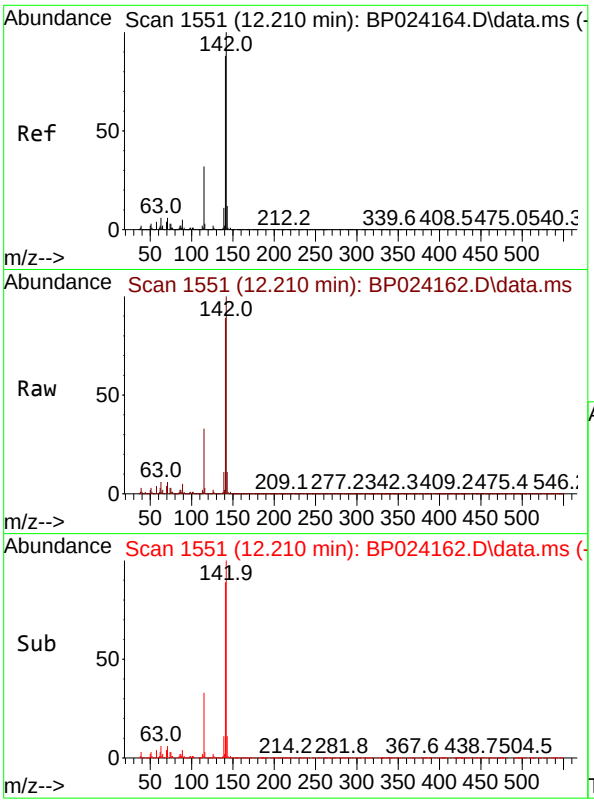




#36
4-Chloro-3-methylphenol
Concen: 9.462 ng
RT: 11.840 min Scan# 1488
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:107 Resp: 206744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.9 | 21.6 | 32.4 |
| 142 | 80.4 | 65.4 | 98.0 |



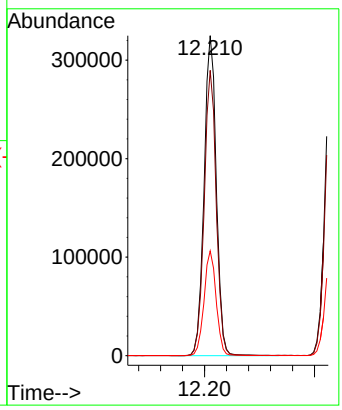


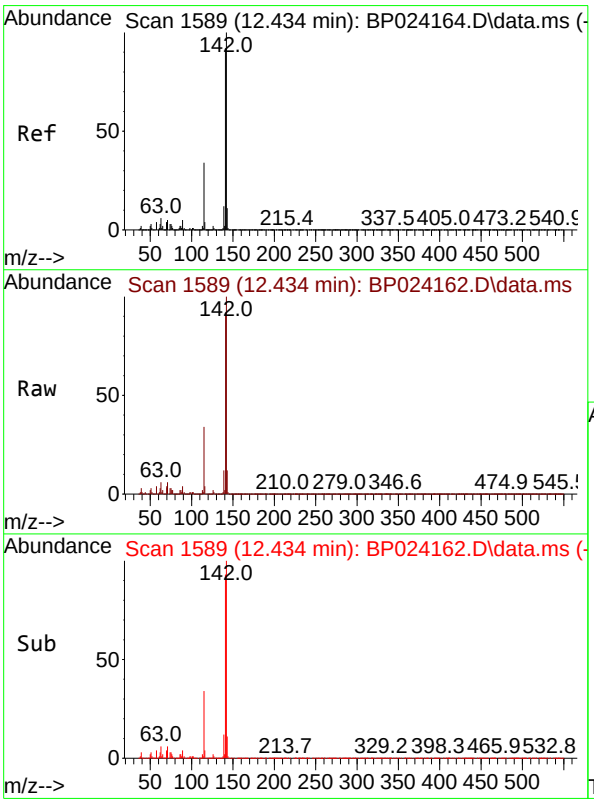

#37
2-Methylnaphthalene
Concen: 9.564 ng
RT: 12.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:142 Resp: 498967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.2 | 70.3 | 105.5 |
| 115 | 32.8 | 26.0 | 39.0 |

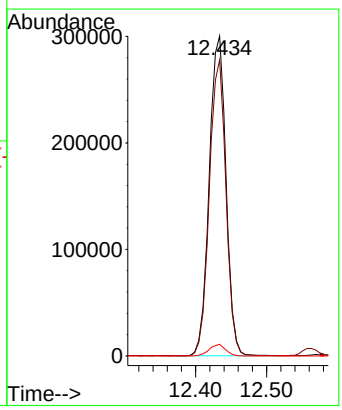


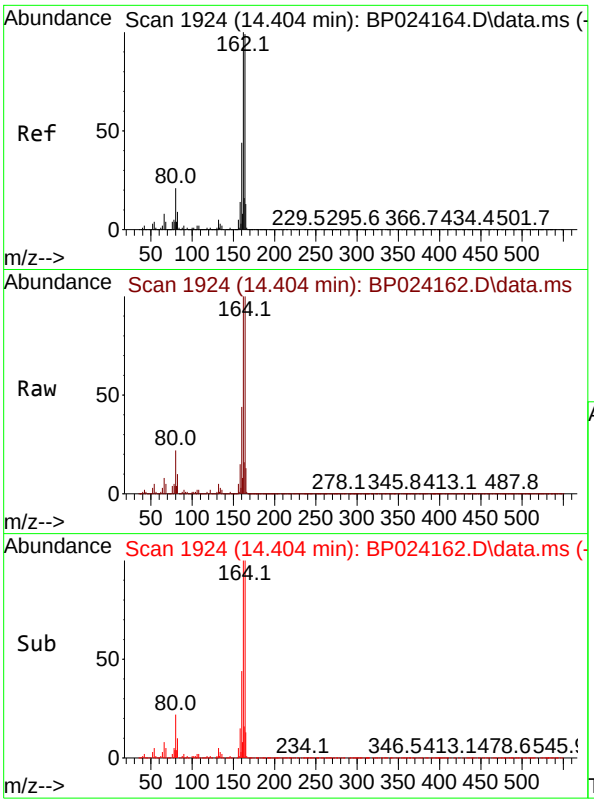




#38
1-Methylnaphthalene
Concen: 9.680 ng
RT: 12.434 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:142 Resp: 491304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.5 | 73.9 | 110.9 |
| 116 | 3.7 | 2.8 | 4.2 |



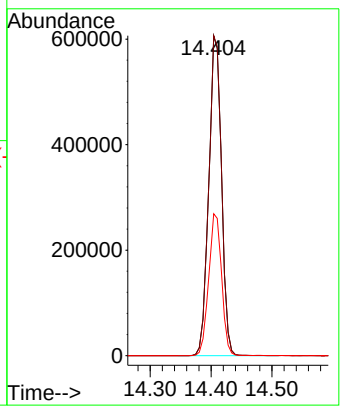


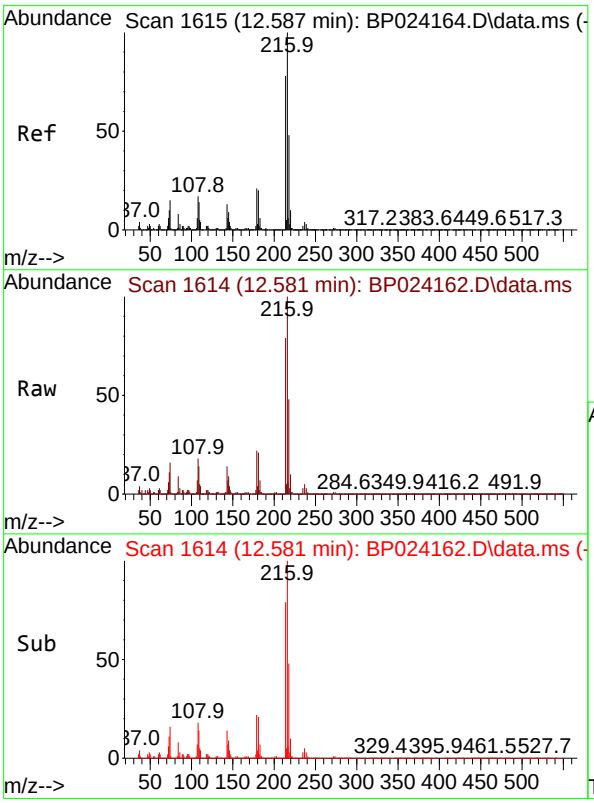

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:164 Resp: 878356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.1 | 80.6 | 121.0 |
| 160 | 44.4 | 35.4 | 53.2 |

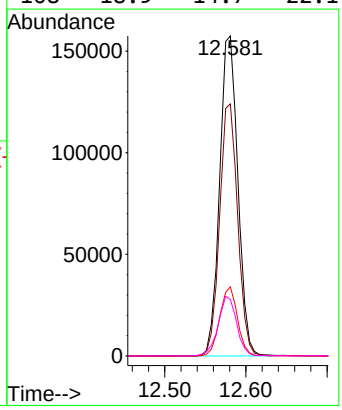


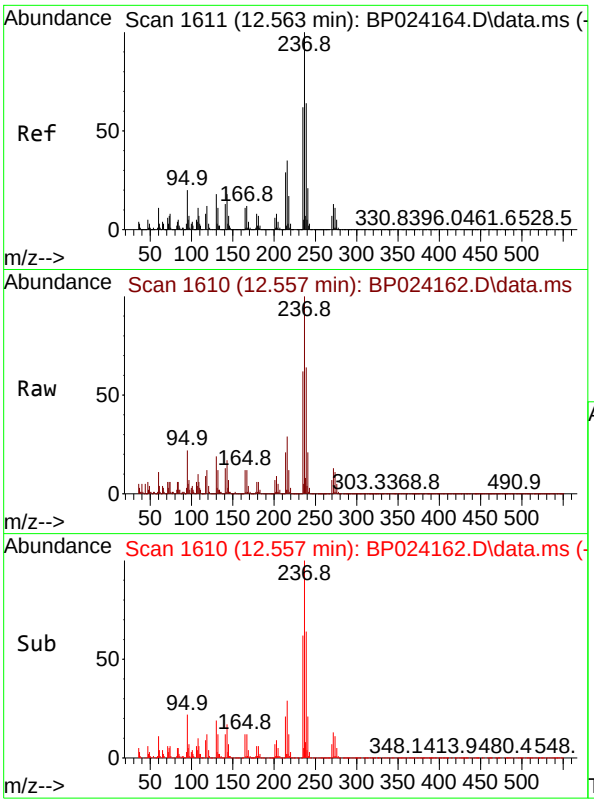




#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.116 ng
RT: 12.581 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:216 Resp: 246009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.2 | 62.8 | 94.2 |
| 179 | 21.0 | 16.8 | 25.2 |
| 108 | 18.9 | 14.7 | 22.1 |



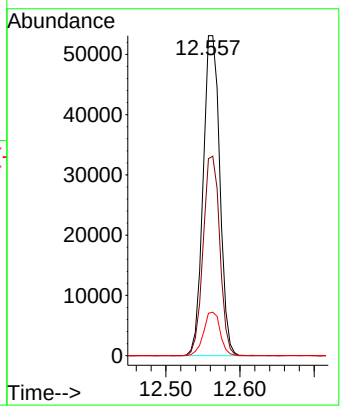


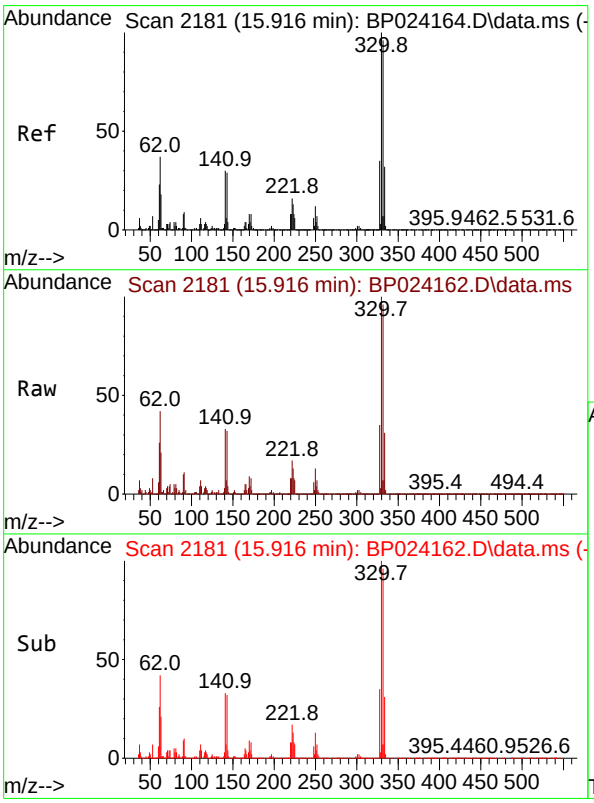

#41
Hexachlorocyclopentadiene
Concen: 8.245 ng
RT: 12.557 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:237 Resp: 82803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.6 | 41.8 | 81.8 |
| 272 | 13.3 | 0.0 | 33.5 |

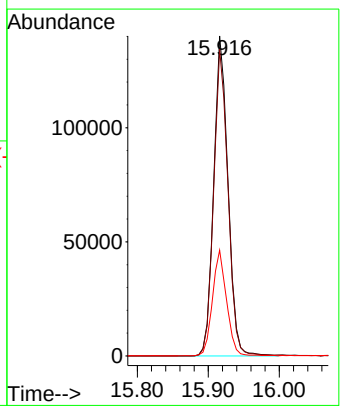


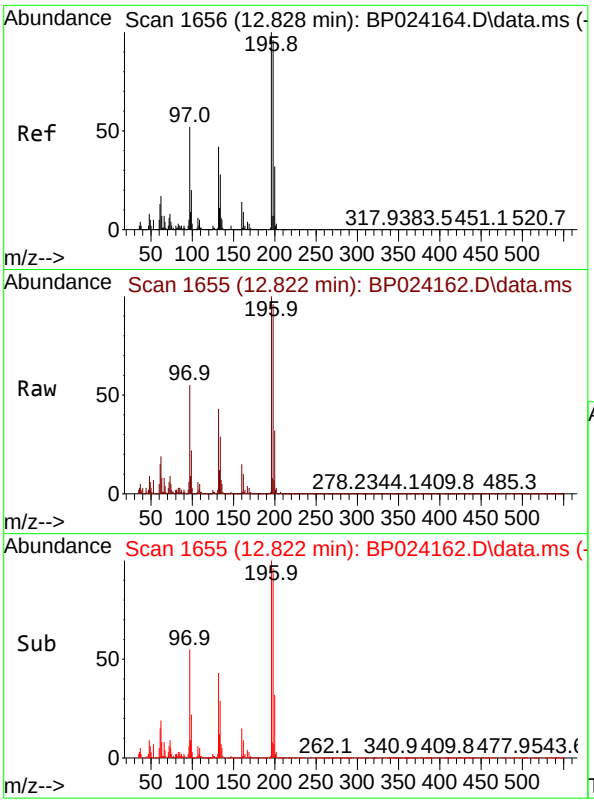




#42
2,4,6-Tribromophenol
Concen: 18.161 ng
RT: 15.916 min Scan# 2181
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:330 Resp: 195393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.1 | 77.6 | 116.4 |
| 141 | 32.6 | 25.0 | 37.6 |



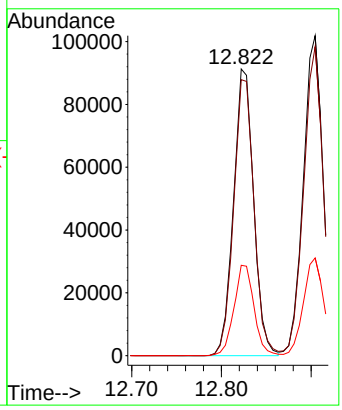


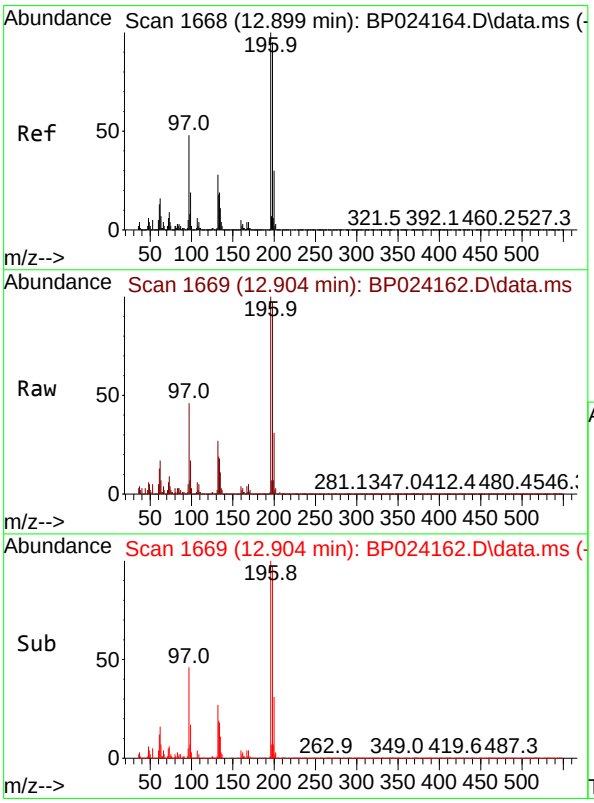

#43
2,4,6-Trichlorophenol
Concen: 8.649 ng
RT: 12.822 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:196 Resp: 142353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.3 | 76.6 | 115.0 |
| 200 | 31.6 | 25.4 | 38.0 |

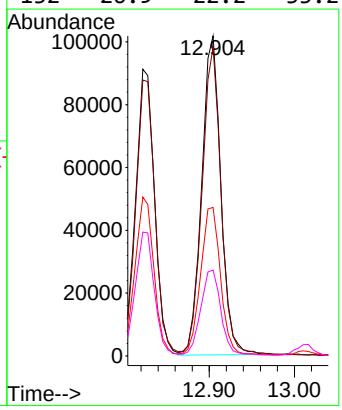


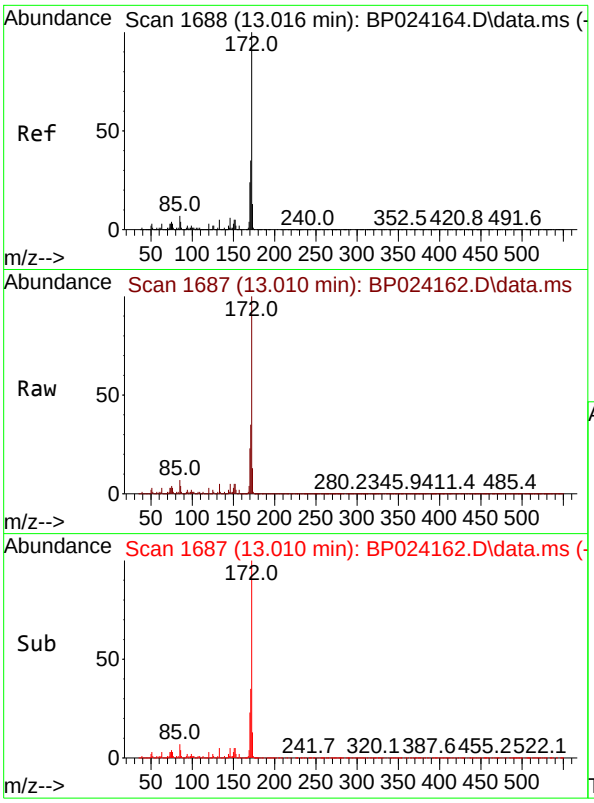




#44
2,4,5-Trichlorophenol
Concen: 8.841 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:196 Resp: 159135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.5 | 76.5 | 114.7 |
| 97 | 46.4 | 38.7 | 58.1 |
| 132 | 26.9 | 22.2 | 33.2 |



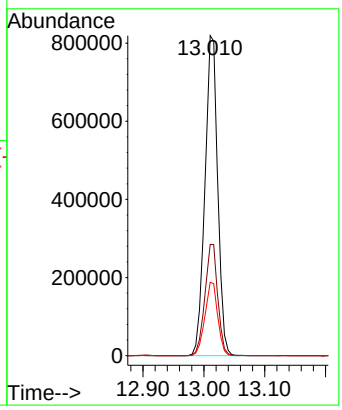


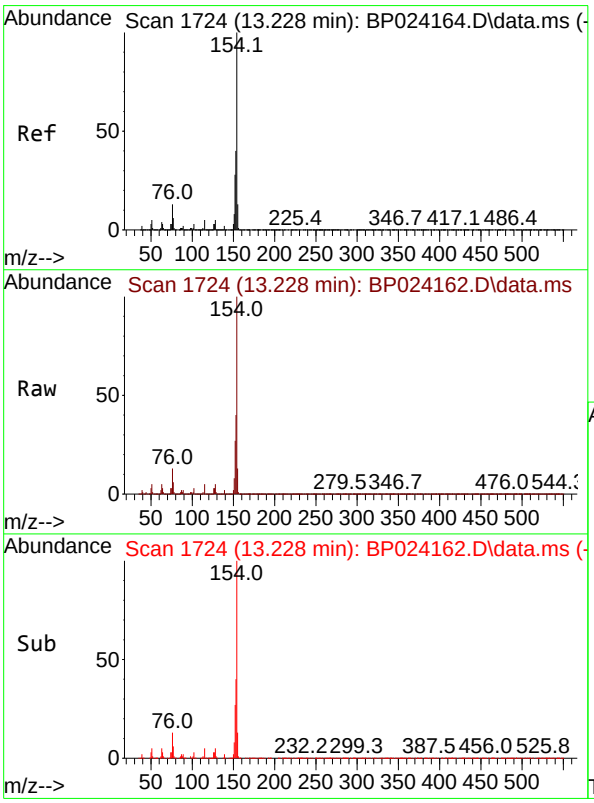

#45
2-Fluorobiphenyl
Concen: 18.984 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:172 Resp: 1192744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.8 | 28.3 | 42.5 |
| 170 | 22.9 | 19.0 | 28.4 |

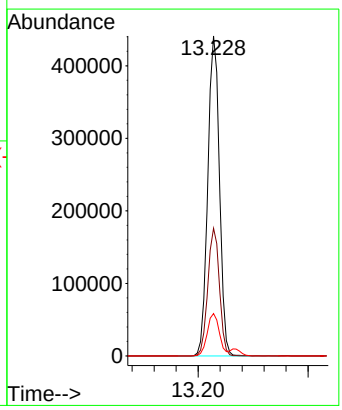


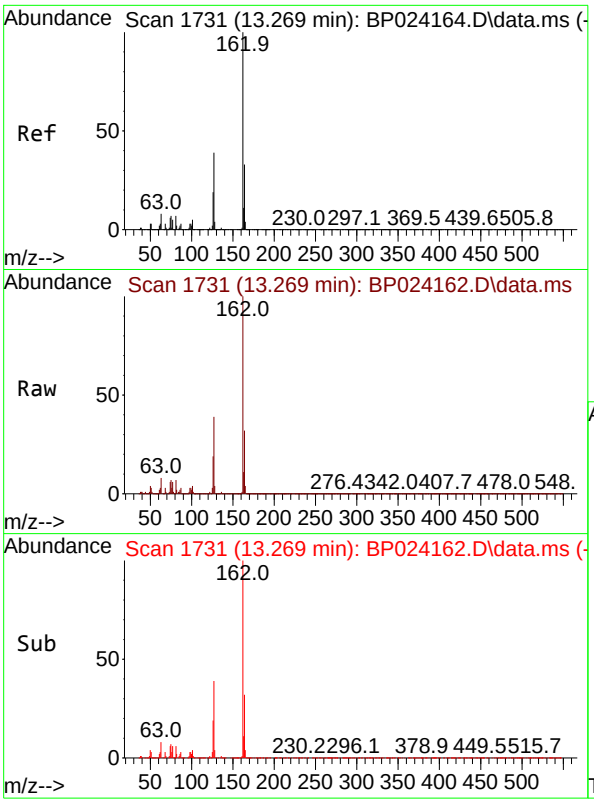




#46
1,1'-Biphenyl
Concen: 9.494 ng
RT: 13.228 min Scan# 1724
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:154 Resp: 647980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.9 | 20.3 | 60.3 |
| 76 | 13.2 | 0.0 | 32.9 |



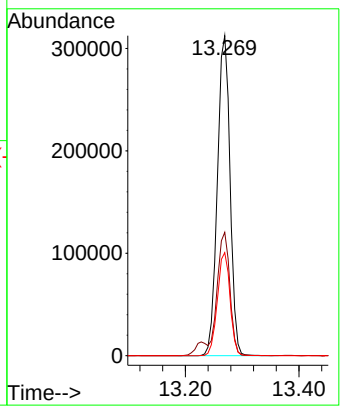


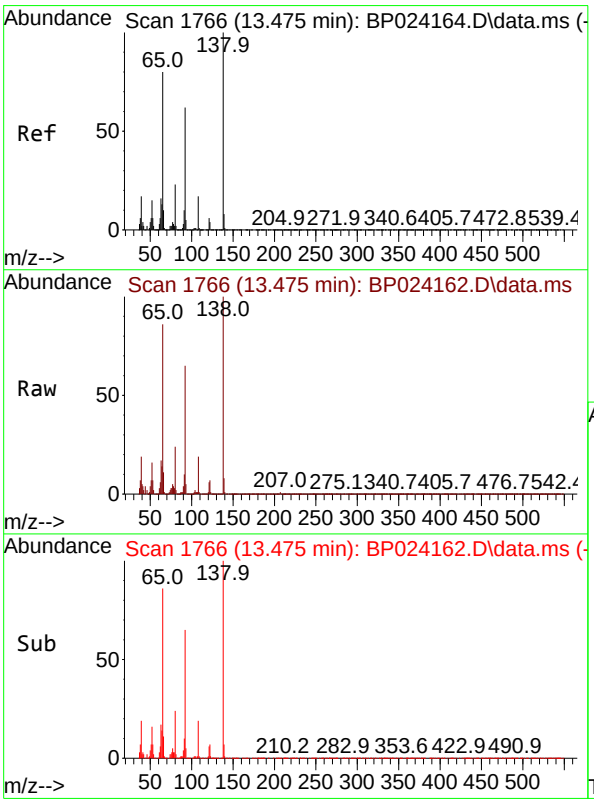

#47
2-Chloronaphthalene
Concen: 9.365 ng
RT: 13.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:162 Resp: 483199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 38.5 | 31.5 | 47.3 |
| 164 | 32.2 | 26.6 | 39.8 |

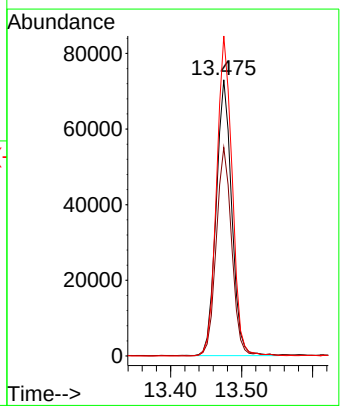


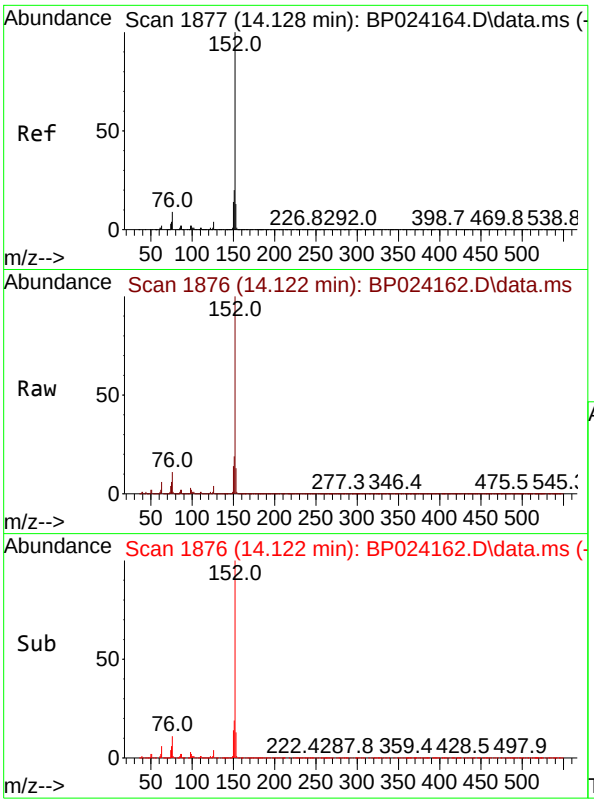




#48
2-Nitroaniline
Concen: 9.079 ng
RT: 13.475 min Scan# 1766
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion: 65 Resp: 110660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 75.5 | 62.1 | 93.1 |
| 138 | 115.9 | 99.5 | 149.3 |



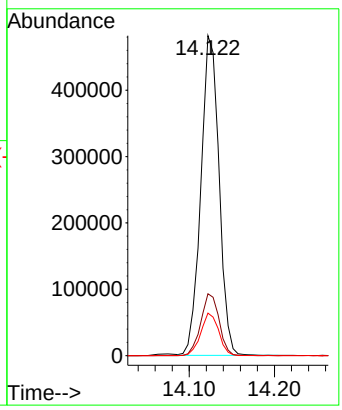


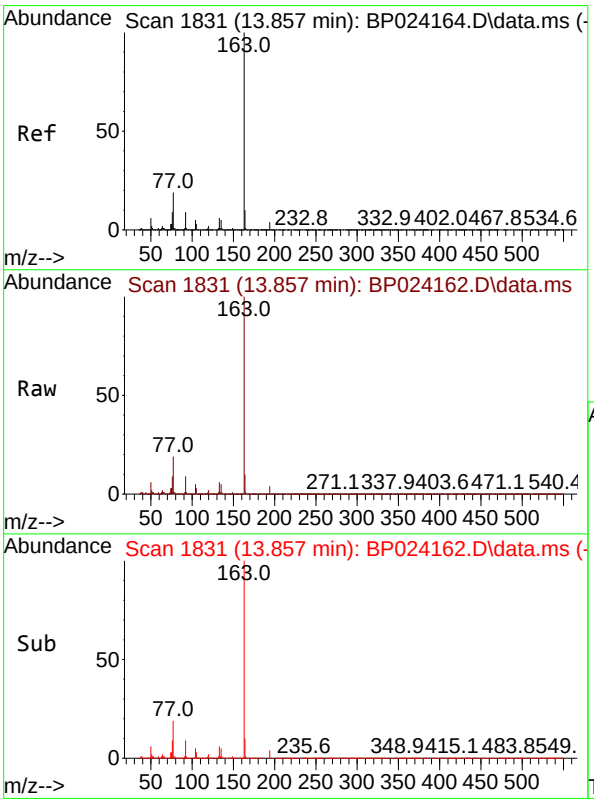

#49
Acenaphthylene
Concen: 9.405 ng
RT: 14.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:152 Resp: 714937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.4 | 16.0 | 24.0 |
| 153 | 13.3 | 10.6 | 15.8 |

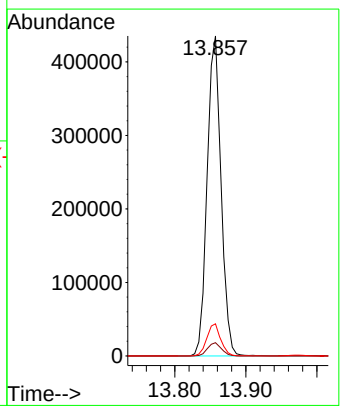


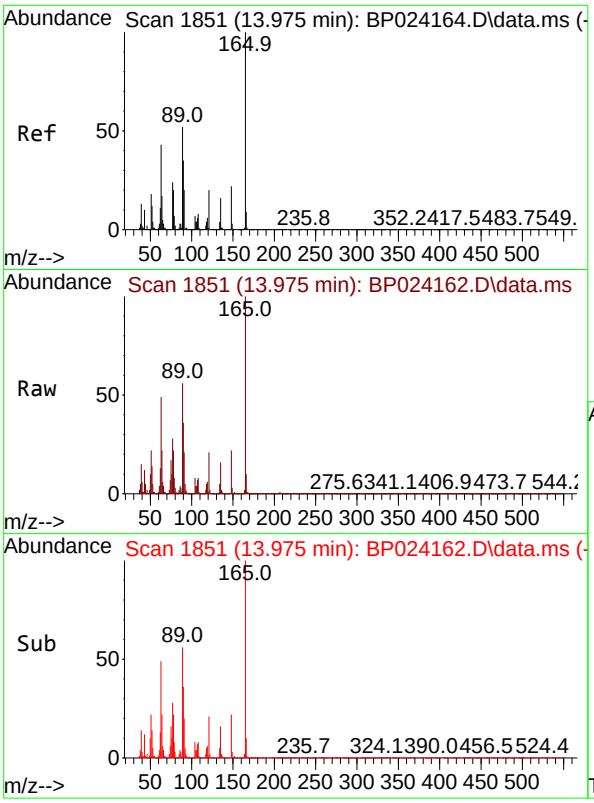




#50
Dimethylphthalate
Concen: 9.563 ng
RT: 13.857 min Scan# 1831
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:163 Resp: 592520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.4 | 5.0 |
| 164 | 10.1 | 8.2 | 12.4 |



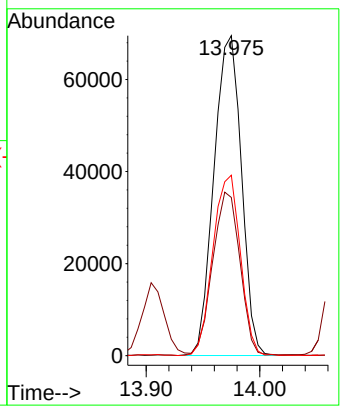


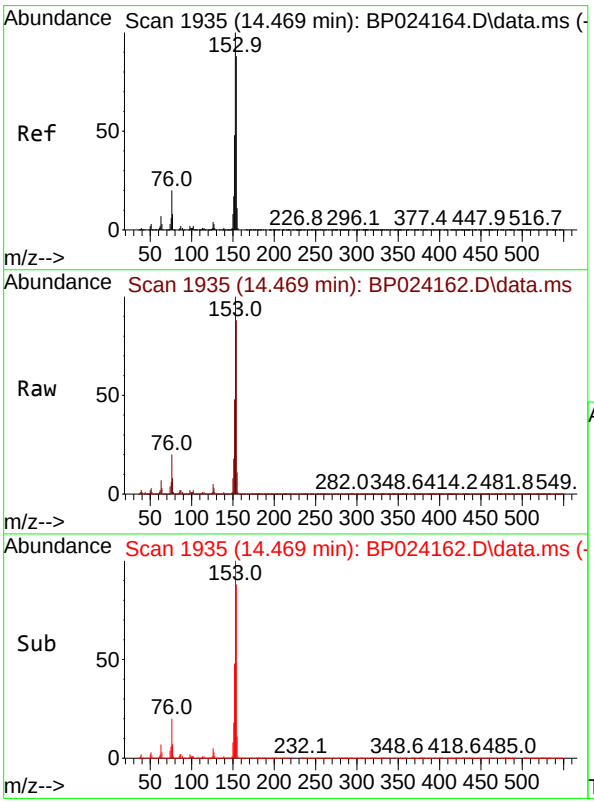

#51
2,6-Dinitrotoluene
Concen: 9.243 ng
RT: 13.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:165 Resp: 116661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 49.5 | 37.7 | 56.5 |
| 89 | 56.4 | 41.9 | 62.9 |

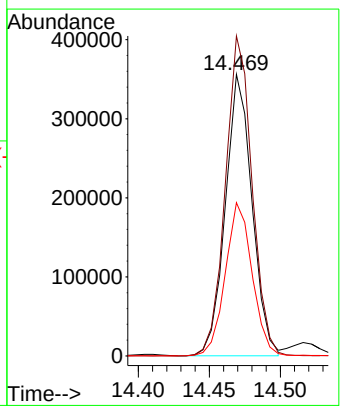


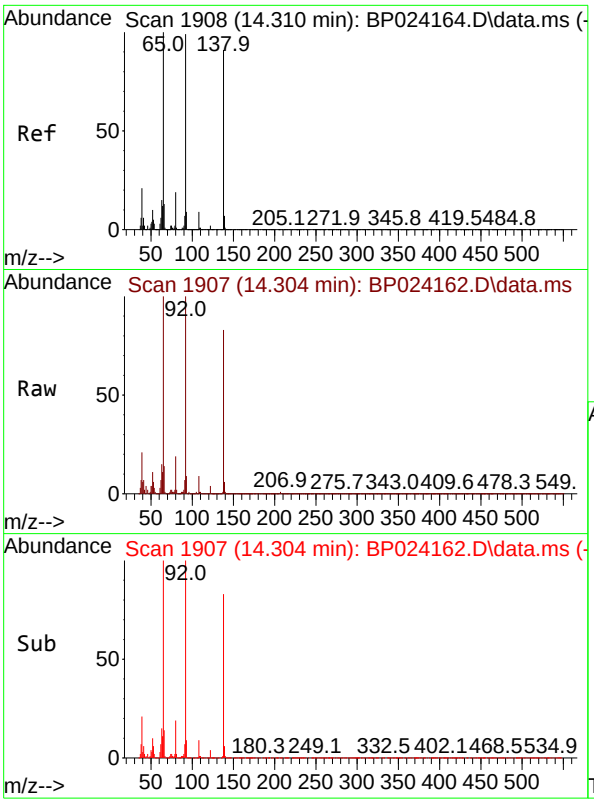




#52
Acenaphthene
Concen: 9.473 ng
RT: 14.469 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:154 Resp: 463749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.7 | 90.5 | 135.7 |
| 152 | 54.4 | 43.1 | 64.7 |



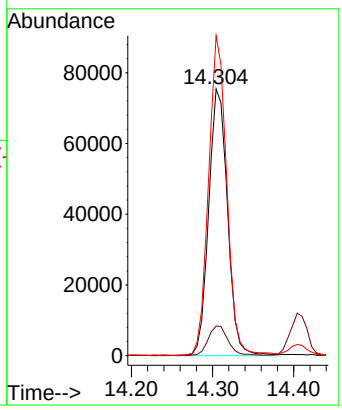


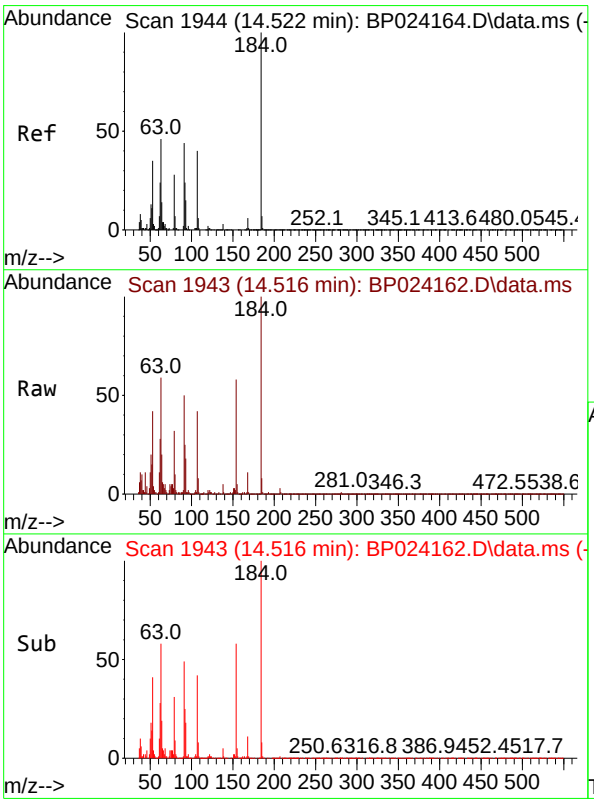

#53
3-Nitroaniline
Concen: 9.001 ng
RT: 14.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:138 Resp: 121229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.1 | 8.2 | 12.2 |
| 92 | 120.0 | 86.7 | 130.1 |

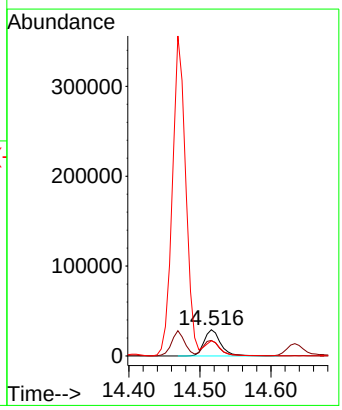


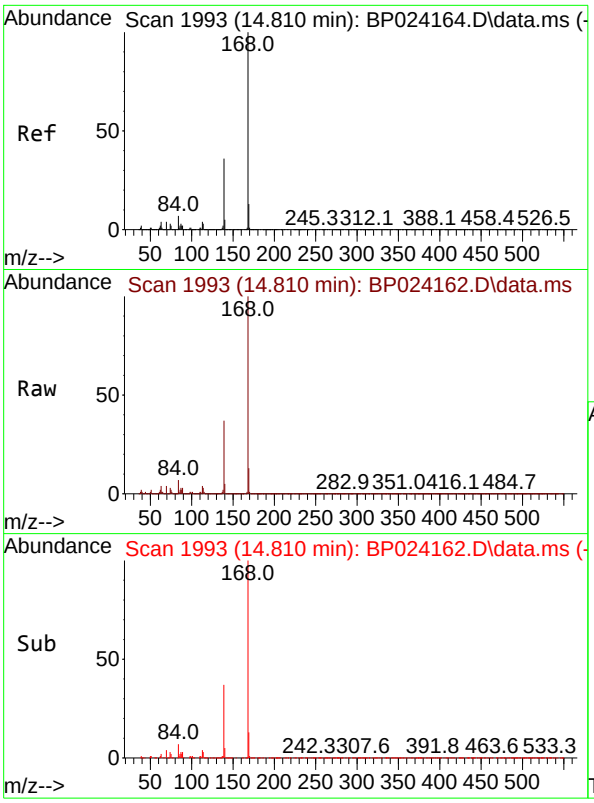




#54
2,4-Dinitrophenol
Concen: 7.053 ng
RT: 14.516 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:184 Resp: 47409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 58.9 | 42.1 | 63.1 |
| 154 | 57.9 | 44.6 | 67.0 |



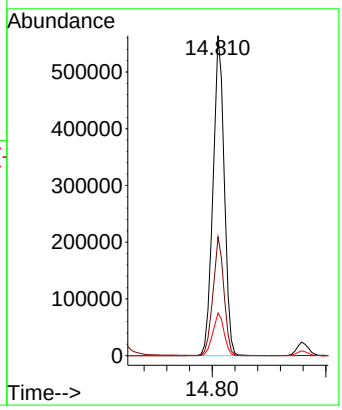


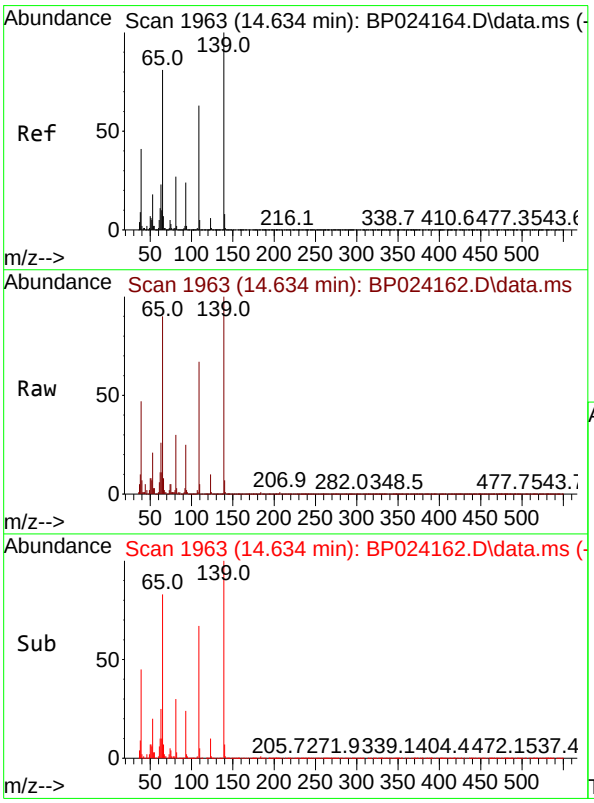

#55
Dibenzofuran
Concen: 9.671 ng
RT: 14.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:168 Resp: 769059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.1 | 29.1 | 43.7 |
| 169 | 13.4 | 10.8 | 16.2 |

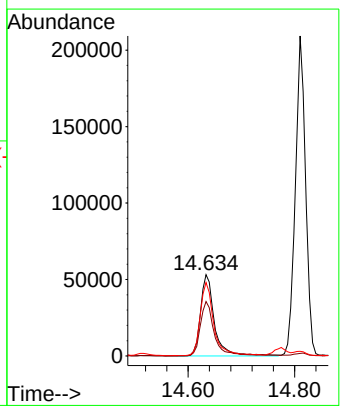


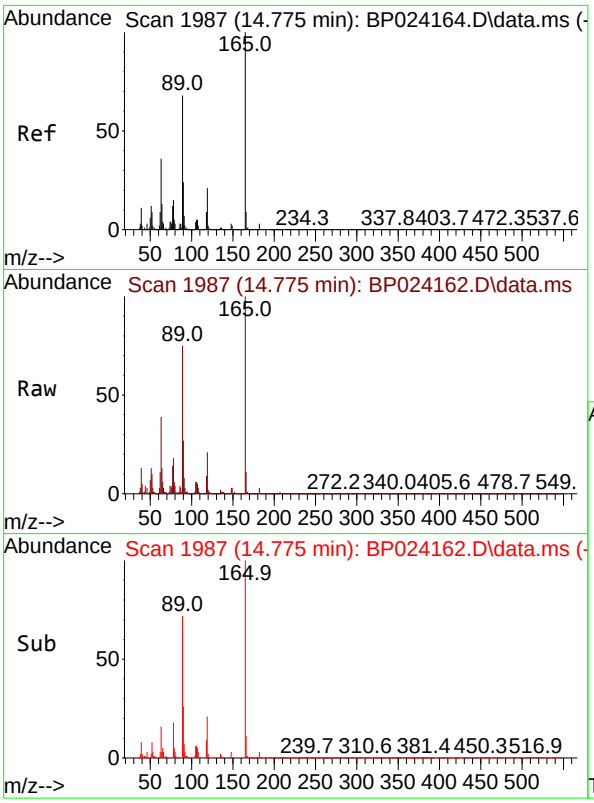




#56
4-Nitrophenol
Concen: 8.246 ng
RT: 14.634 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:139 Resp: 95936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 67.0 | 43.3 | 83.3 |
| 65 | 90.3 | 61.2 | 101.2 |



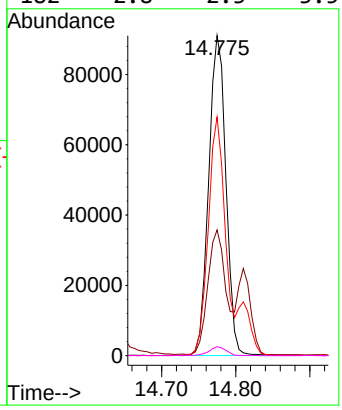


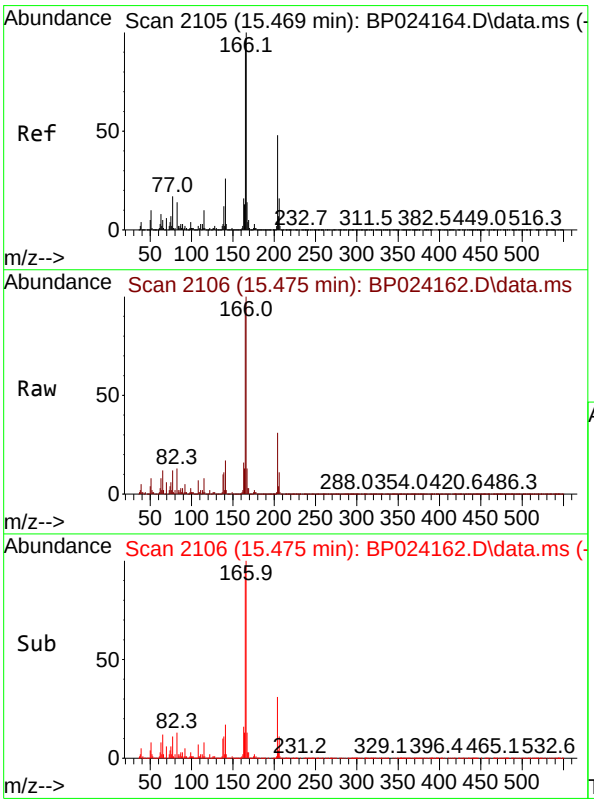

#57
2,4-Dinitrotoluene
Concen: 8.946 ng
RT: 14.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:165 Resp: 146673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 39.3 | 29.0 | 43.6 |
| 89 | 74.6 | 54.2 | 81.4 |
| 182 | 2.8 | 2.3 | 3.5 |

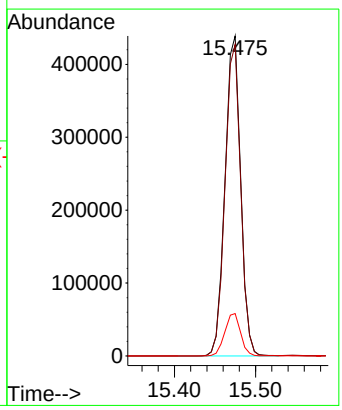


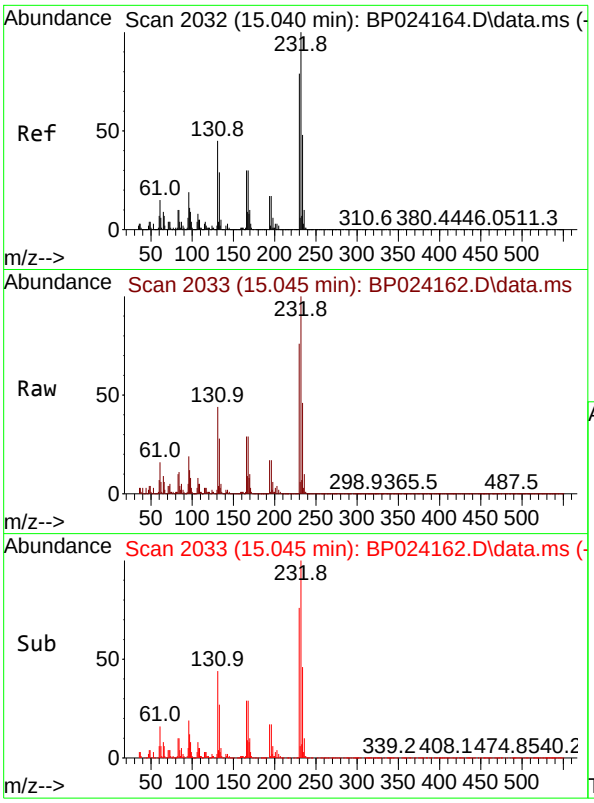




#58
Fluorene
Concen: 9.495 ng
RT: 15.475 min Scan# 2106
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:166 Resp: 589720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.4 | 77.6 | 116.4 |
| 167 | 13.3 | 10.8 | 16.2 |



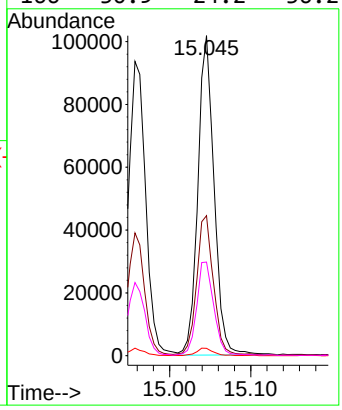


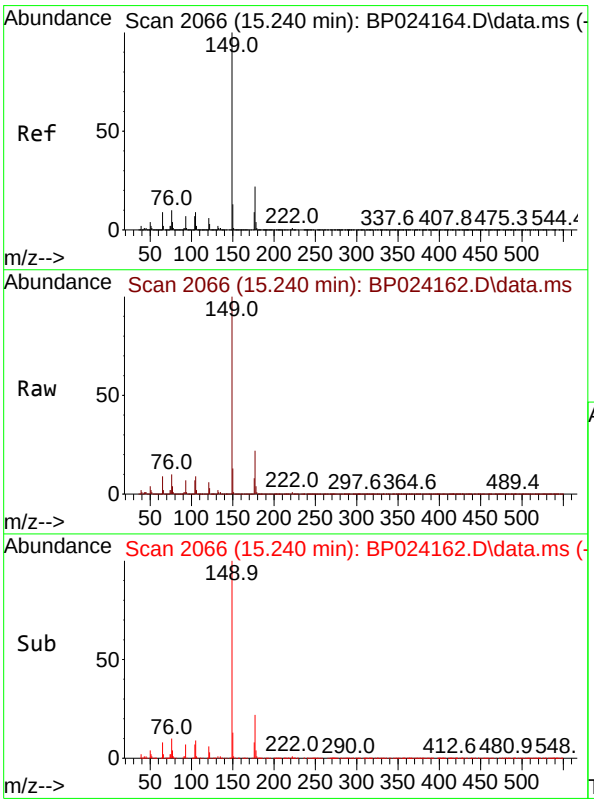

#59
2,3,4,6-Tetrachlorophenol
Concen: 9.071 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:232 Resp: 141666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.1 | 35.9 | 53.9 |
| 130 | 2.4 | 1.8 | 2.6 |
| 166 | 30.9 | 24.2 | 36.2 |

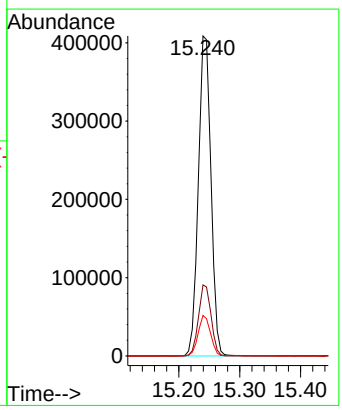


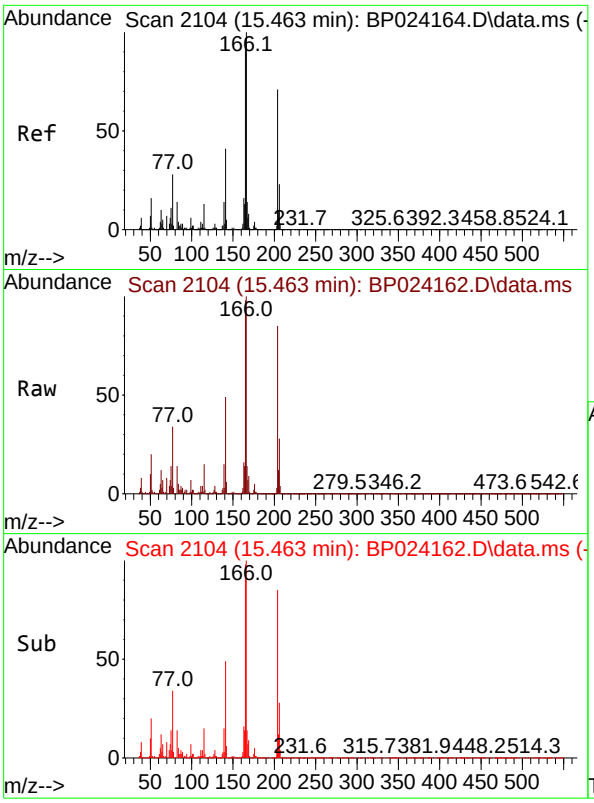




#60
Diethylphthalate
Concen: 9.543 ng
RT: 15.240 min Scan# 2066
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:149 Resp: 586933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.2 | 17.7 | 26.5 |
| 150 | 12.7 | 10.2 | 15.4 |



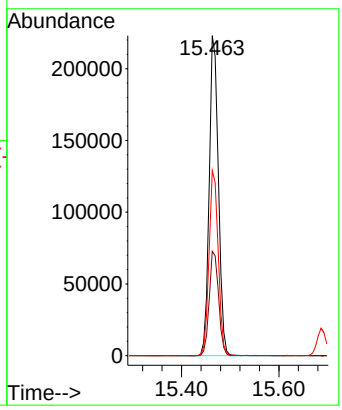


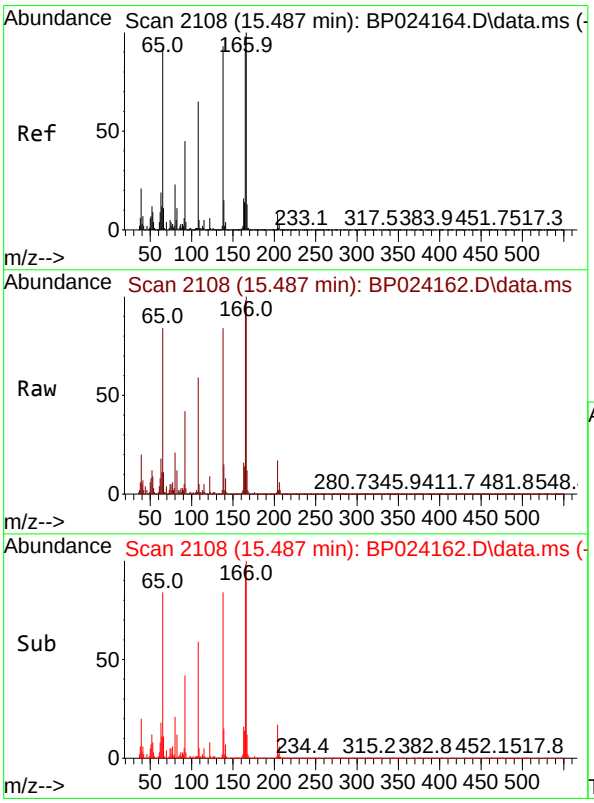

#61
4-Chlorophenyl-phenylether
Concen: 9.478 ng
RT: 15.463 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:204 Resp: 289728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.7 | 26.4 | 39.6 |
| 141 | 57.9 | 45.8 | 68.8 |

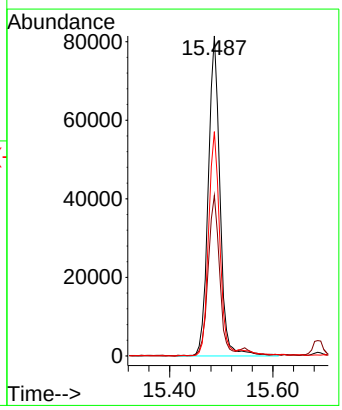


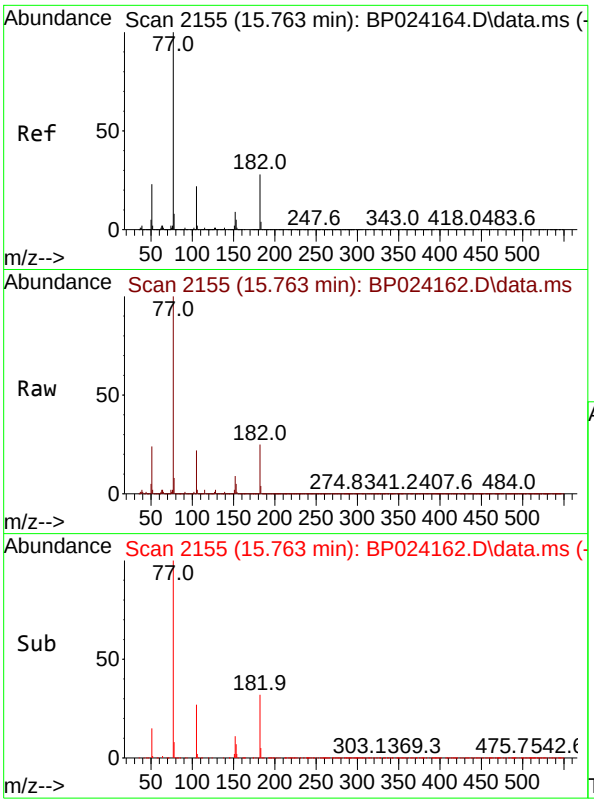




#62
4-Nitroaniline
Concen: 9.169 ng
RT: 15.487 min Scan# 2108
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:138 Resp: 128152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.2 | 28.7 | 68.7 |
| 108 | 70.1 | 49.5 | 89.5 |



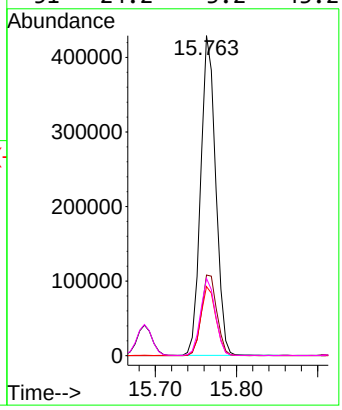


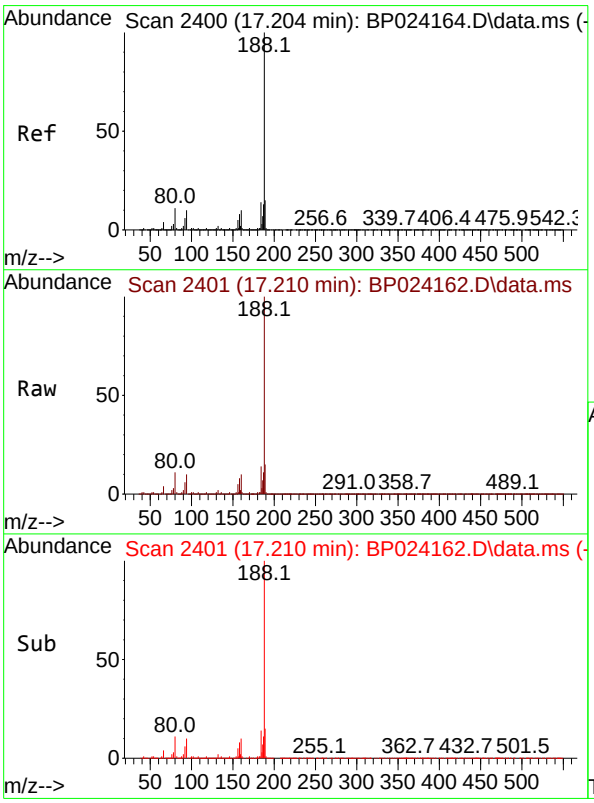

#63
Azobenzene
Concen: 9.535 ng
RT: 15.763 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion: 77 Resp: 549569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.2 | 7.7 | 47.7 |
| 105 | 21.6 | 2.3 | 42.3 |
| 51 | 24.2 | 3.2 | 43.2 |

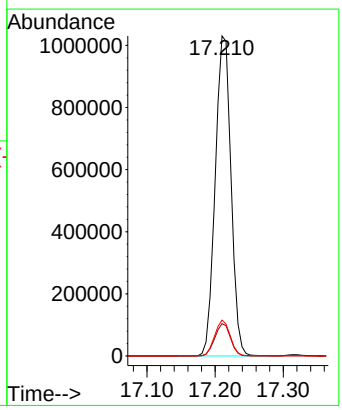


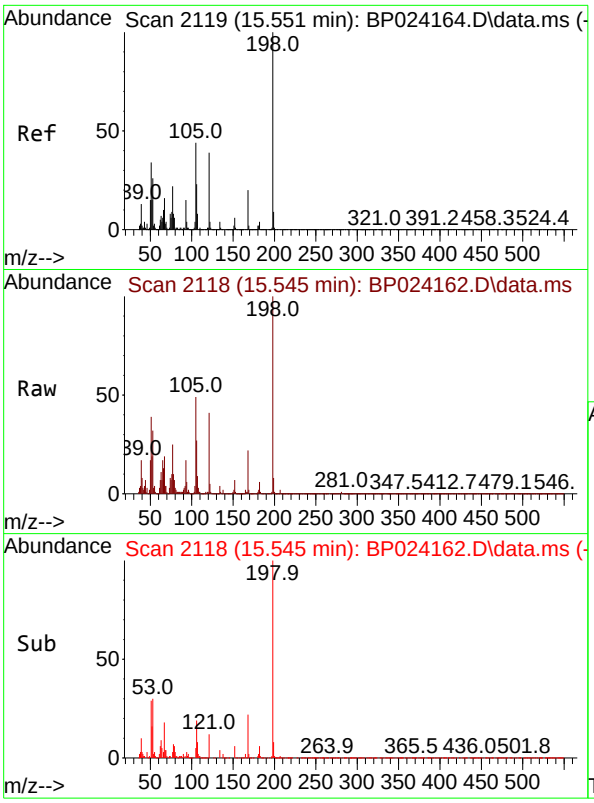




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 2401
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:188 Resp: 1659965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.1 | 8.1 | 12.1 |
| 80 | 11.2 | 8.9 | 13.3 |



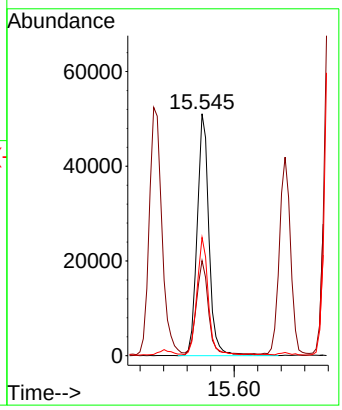


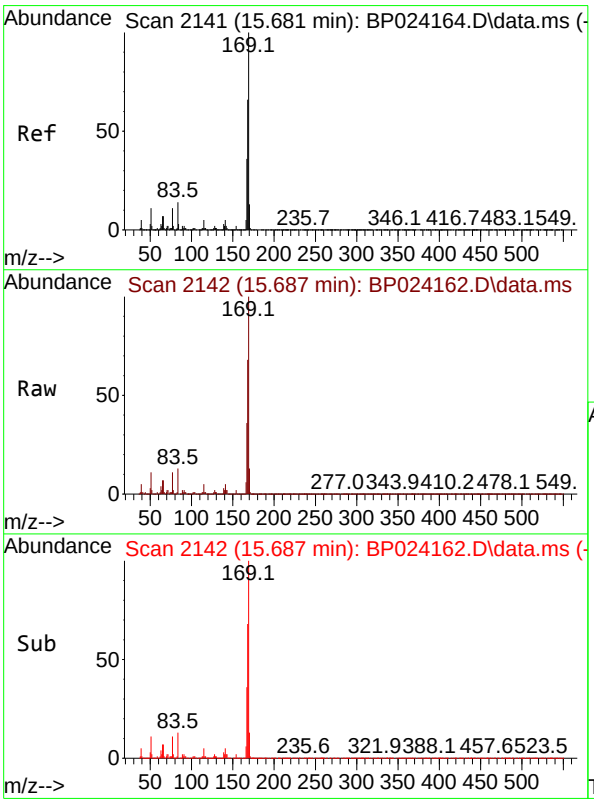

#65
4,6-Dinitro-2-methylphenol
Concen: 7.361 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:198 Resp: 70717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 39.3 | 14.7 | 54.7 |
| 105 | 48.9 | 23.8 | 63.8 |

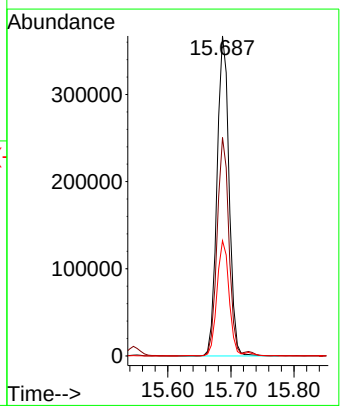


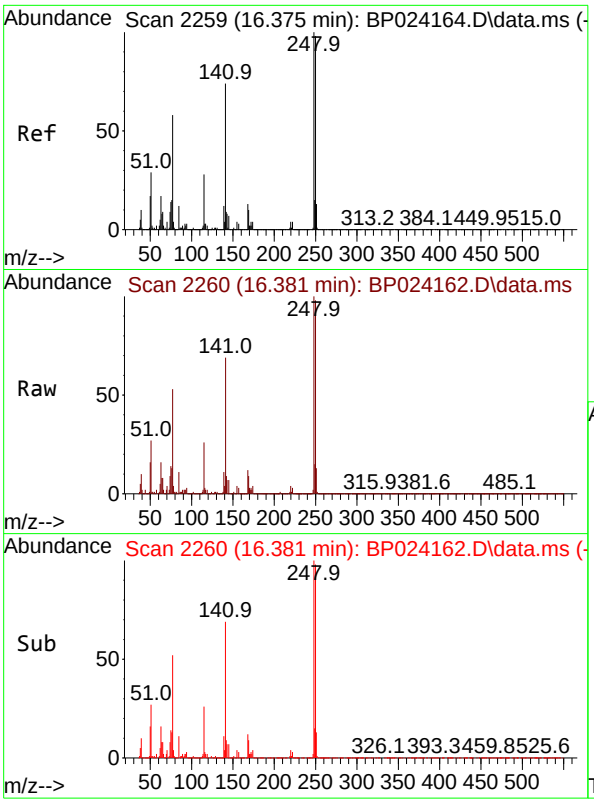




#66
n-Nitrosodiphenylamine
Concen: 9.352 ng
RT: 15.687 min Scan# 2142
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:169 Resp: 484111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 68.3 | 52.9 | 79.3 |
| 167 | 36.0 | 28.8 | 43.2 |



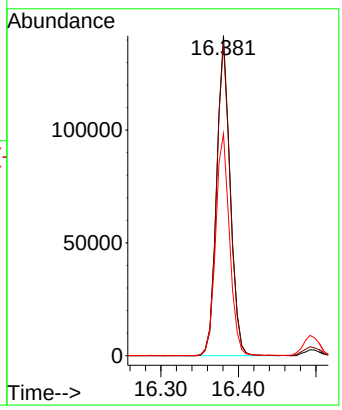


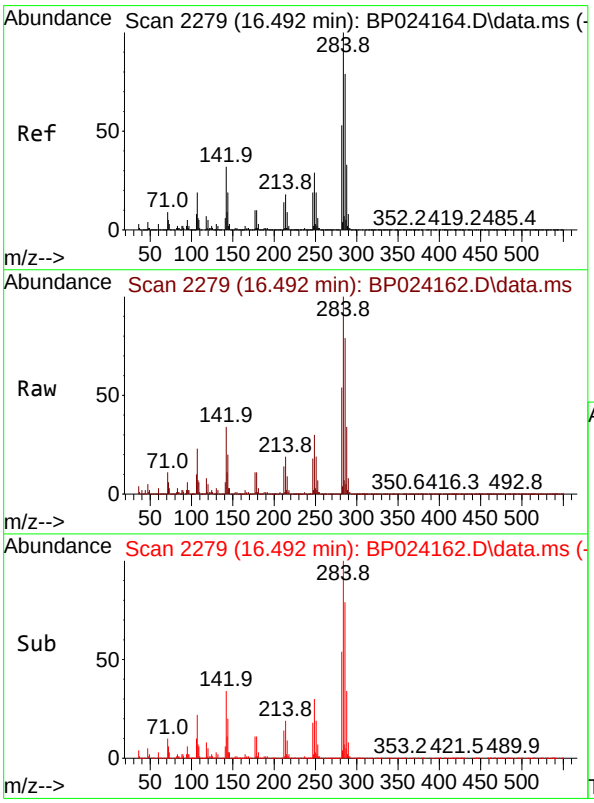

#67
4-Bromophenyl-phenylether
Concen: 9.207 ng
RT: 16.381 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:248 Resp: 171620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.8 | 78.4 | 117.6 |
| 141 | 69.4 | 59.4 | 89.0 |

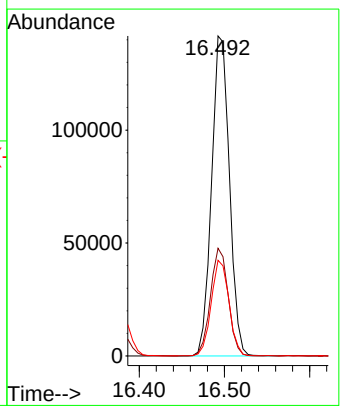


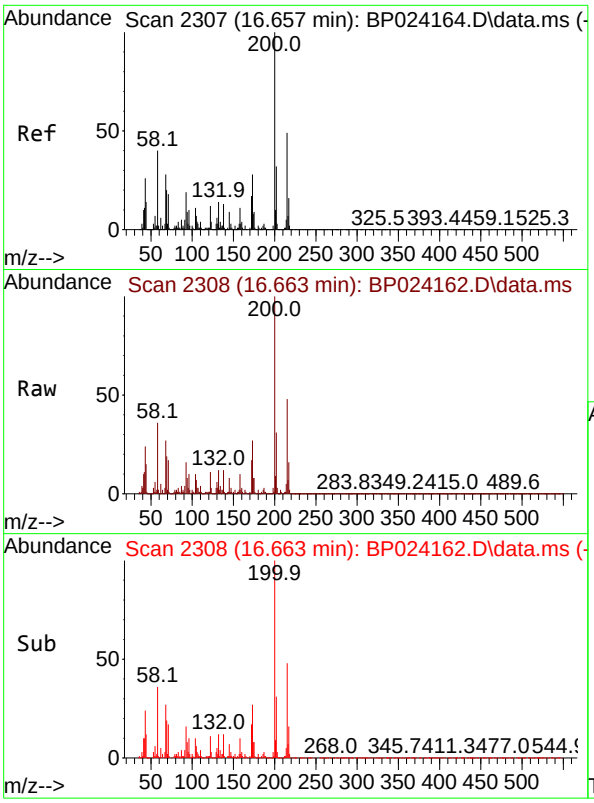




#68
Hexachlorobenzene
Concen: 9.414 ng
RT: 16.492 min Scan# 2279
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:284 Resp: 206475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 33.7 | 25.4 | 38.2 |
| 249 | 29.9 | 23.5 | 35.3 |



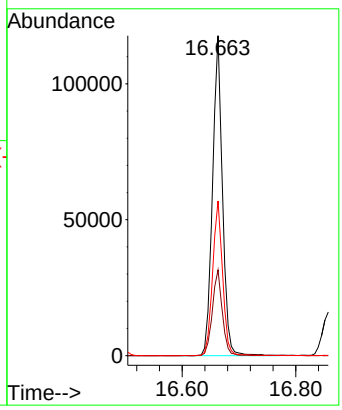


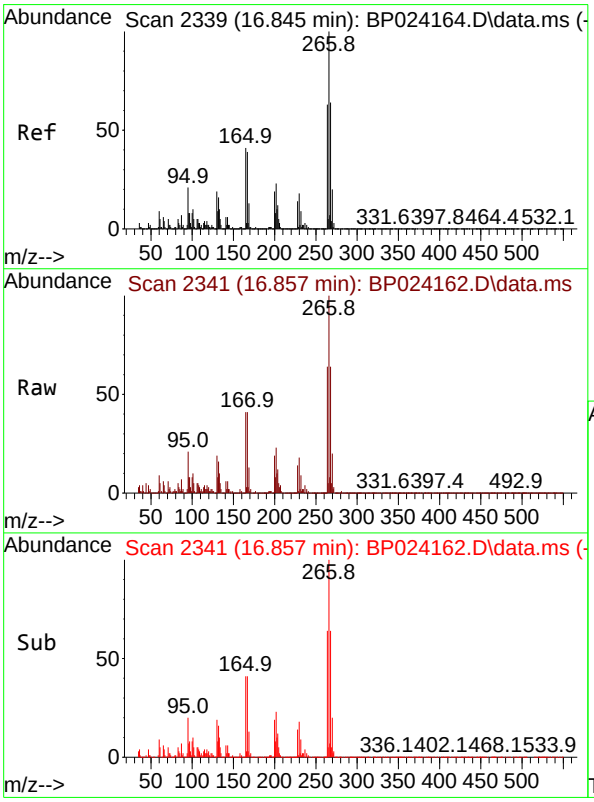

#69
Atrazine
Concen: 10.706 ng
RT: 16.663 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:200 Resp: 142226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.8 | 7.6 | 47.6 |
| 215 | 48.3 | 29.0 | 69.0 |

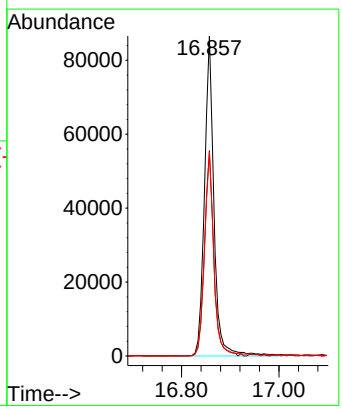


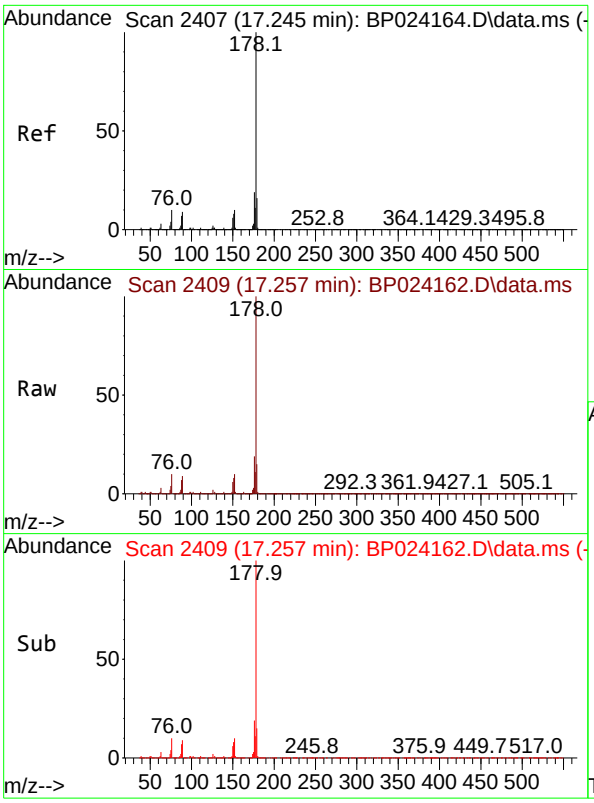




#70
Pentachlorophenol
Concen: 8.175 ng
RT: 16.857 min Scan# 2341
Delta R.T. 0.012 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:266 Resp: 116455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.1 | 51.3 | 76.9 |
| 264 | 63.7 | 50.6 | 76.0 |



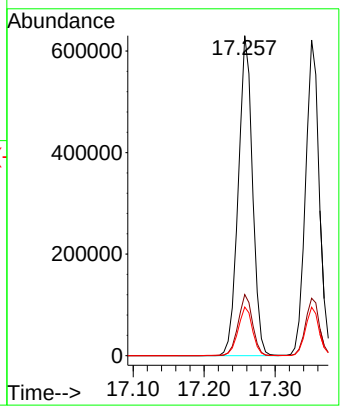


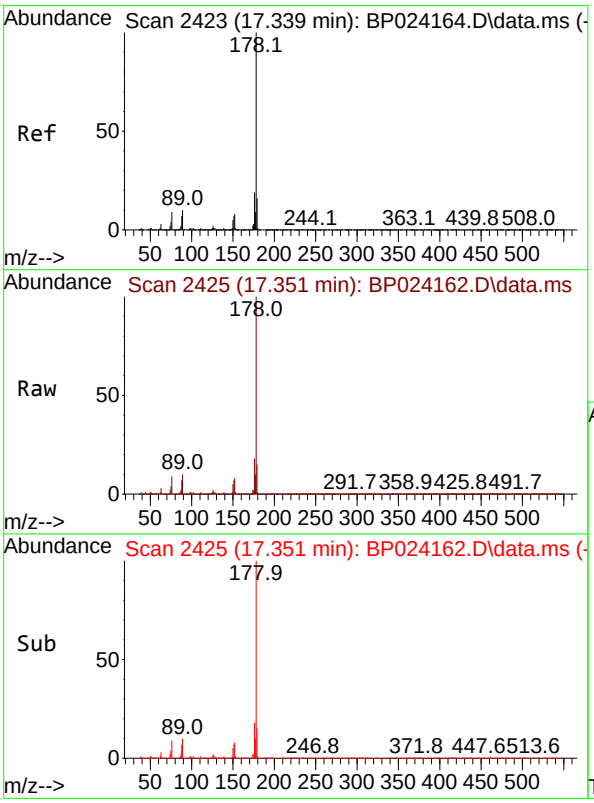

#71
Phenanthrene
Concen: 9.391 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:178 Resp: 878834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 15.6 | 23.4 |
| 179 | 15.2 | 12.5 | 18.7 |

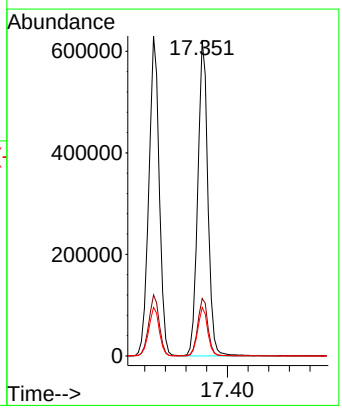


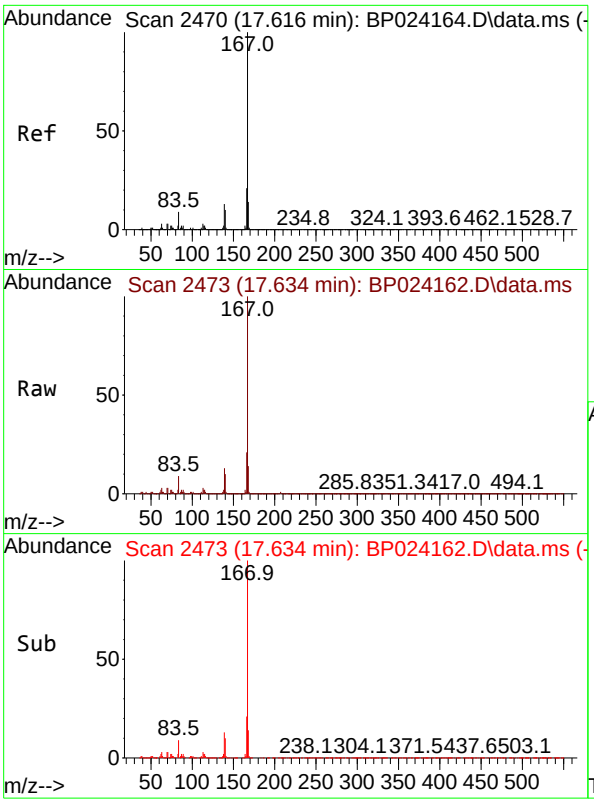




#72
Anthracene
Concen: 9.366 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.012 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:178 Resp: 839953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.2 | 15.2 | 22.8 |
| 179 | 15.4 | 12.6 | 18.8 |



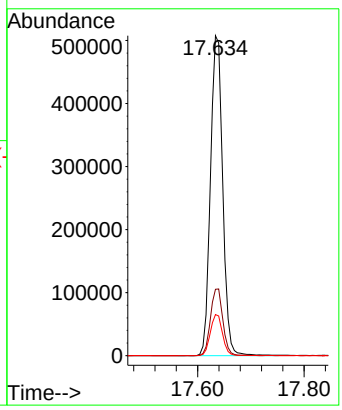


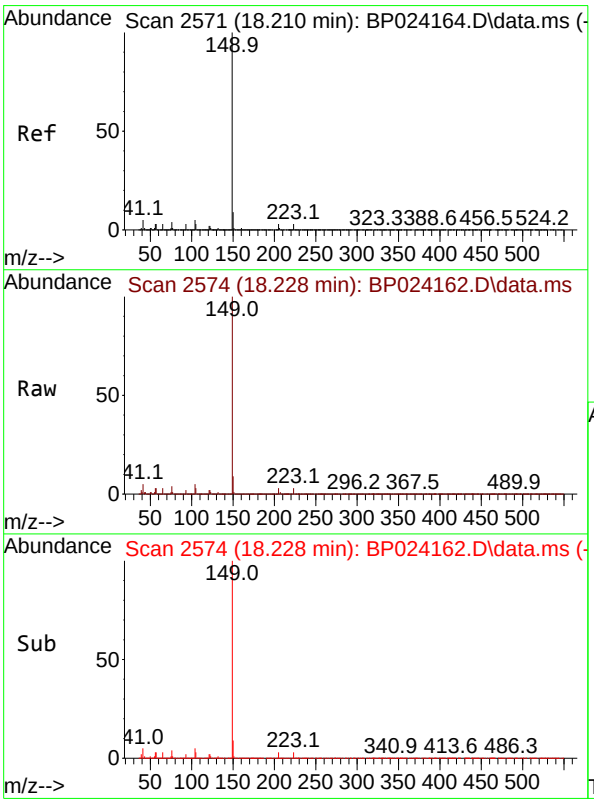

#73
Carbazole
Concen: 9.471 ng
RT: 17.634 min Scan# 24
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:167 Resp: 809266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 20.8 | 17.1 | 25.7 |
| 139 | 12.9 | 10.2 | 15.4 |

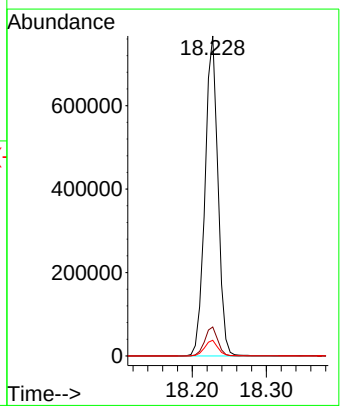


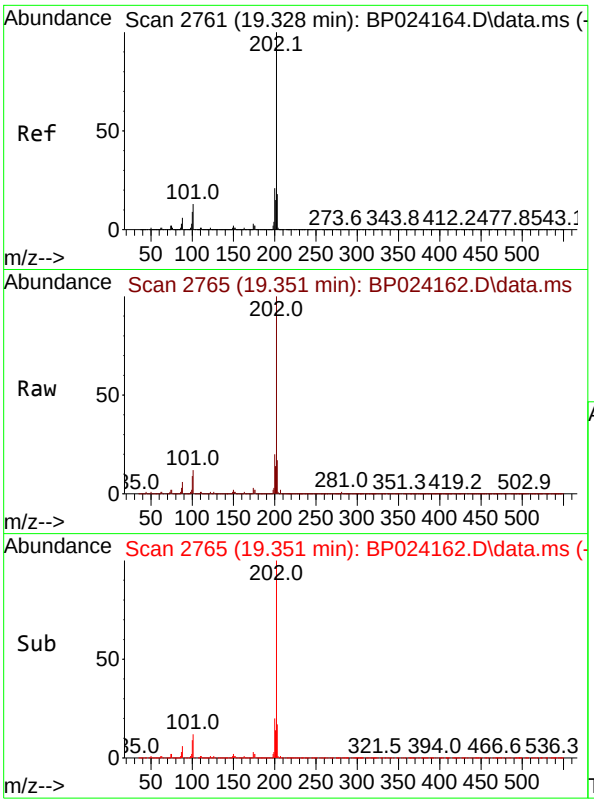




#74
Di-n-butylphthalate
Concen: 9.335 ng
RT: 18.228 min Scan# 2574
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:149 Resp: 930693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.0 | 7.6 | 11.4 |
| 104 | 4.9 | 3.9 | 5.9 |



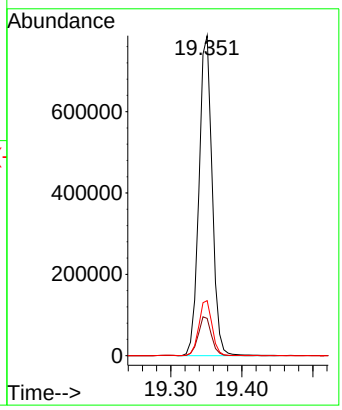


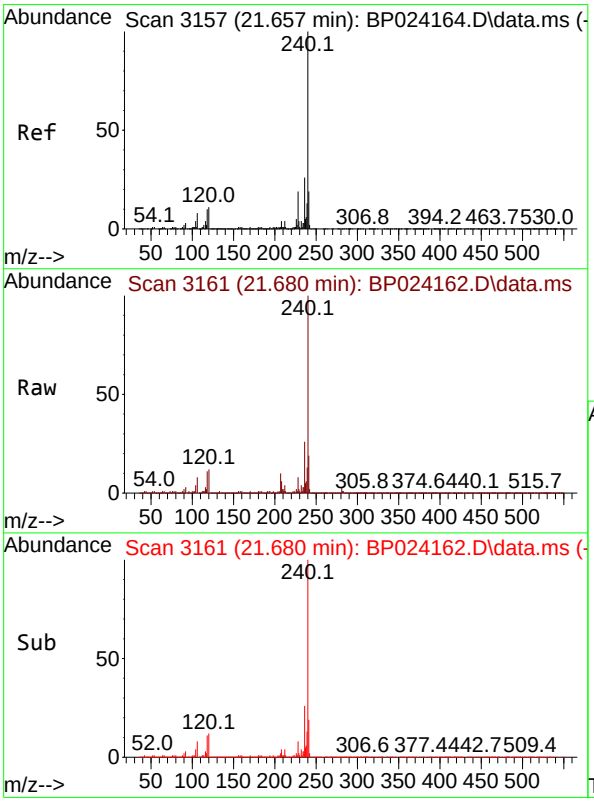

#75
Fluoranthene
Concen: 9.566 ng
RT: 19.351 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:202 Resp: 1012600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.7 | 0.0 | 32.5 |
| 203 | 17.2 | 0.0 | 37.9 |

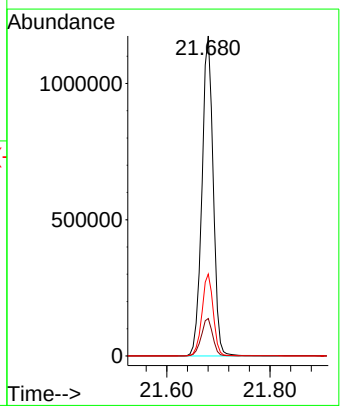


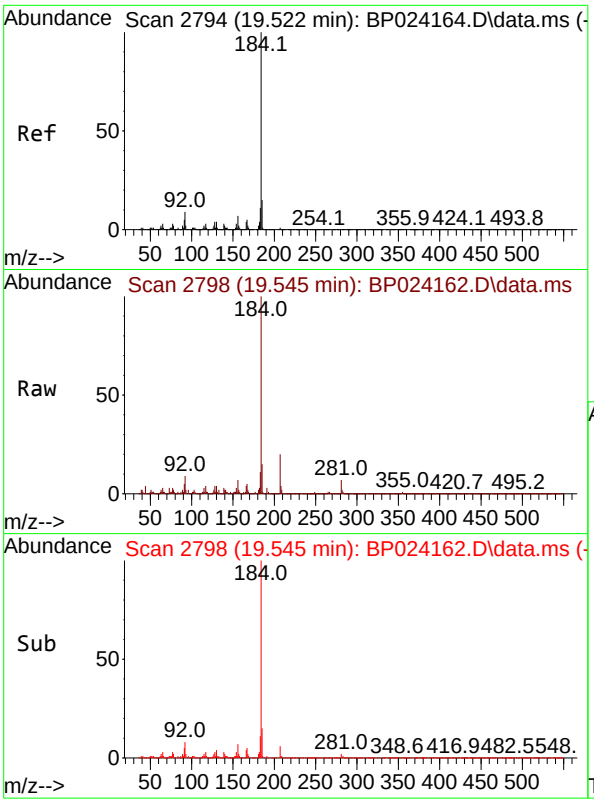




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.680 min Scan# 3161
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:240 Resp: 1774754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.7 | 9.2 | 13.8 |
| 236 | 25.6 | 20.4 | 30.6 |



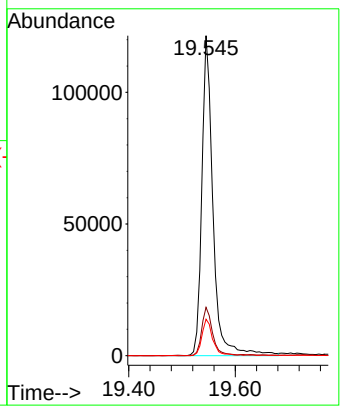


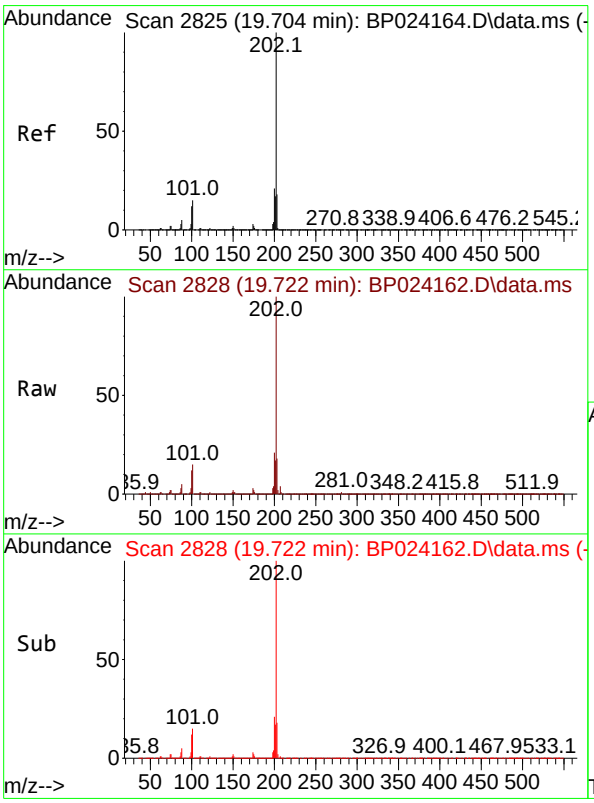

#77
Benzidine
Concen: 8.151 ng
RT: 19.545 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:184 Resp: 176282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.1 | 11.8 | 17.6 |
| 183 | 11.4 | 9.1 | 13.7 |

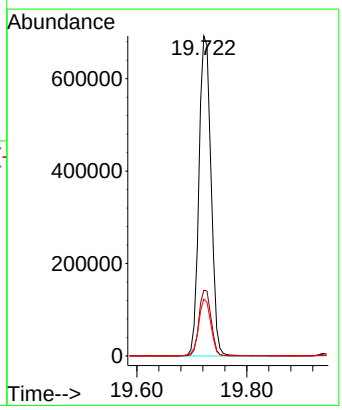


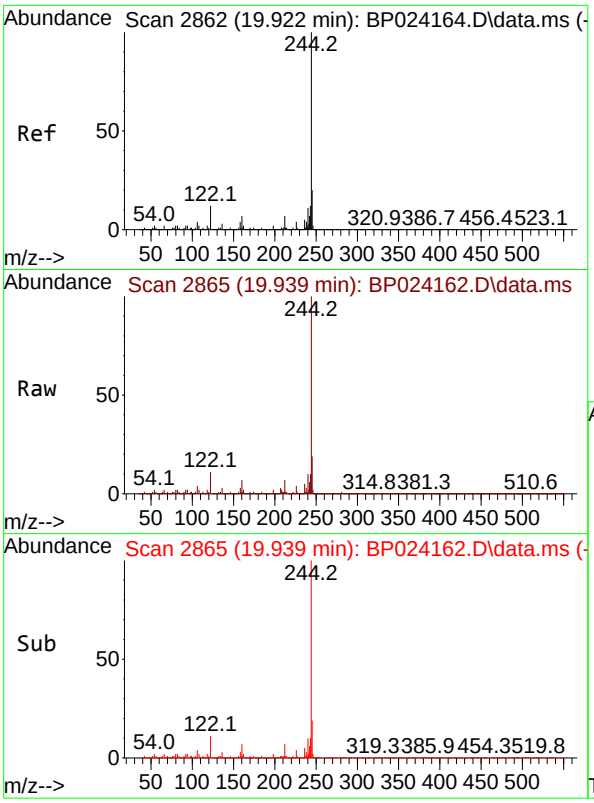




#78
Pyrene
Concen: 9.367 ng
RT: 19.722 min Scan# 2828
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:202 Resp: 1056004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.6 | 17.1 | 25.7 |
| 203 | 17.7 | 14.2 | 21.4 |



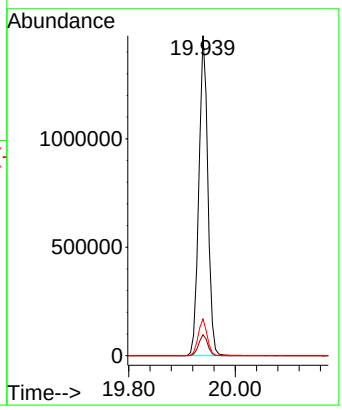


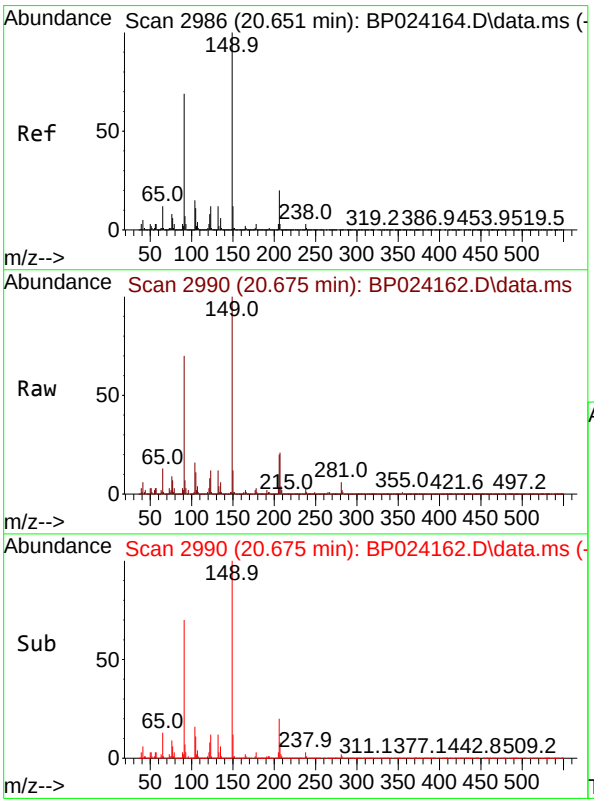

#79
Terphenyl-d14
Concen: 19.251 ng
RT: 19.939 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:244 Resp: 1726609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 5.7 | 8.5 |
| 122 | 11.5 | 9.6 | 14.4 |

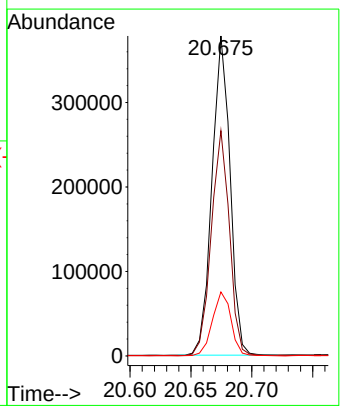


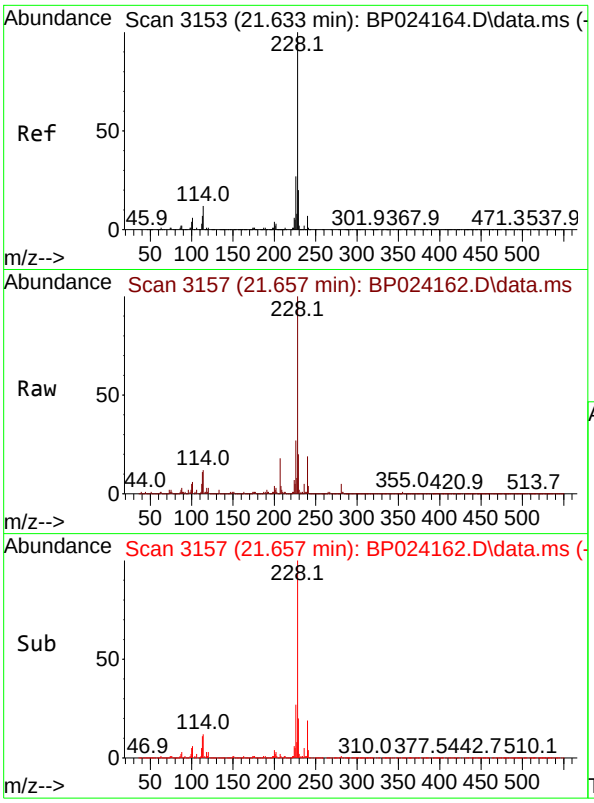




#80
Butylbenzylphthalate
Concen: 9.049 ng
RT: 20.675 min Scan# 2990
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:149 Resp: 390890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 70.4 | 55.3 | 82.9 |
| 206 | 20.0 | 16.1 | 24.1 |



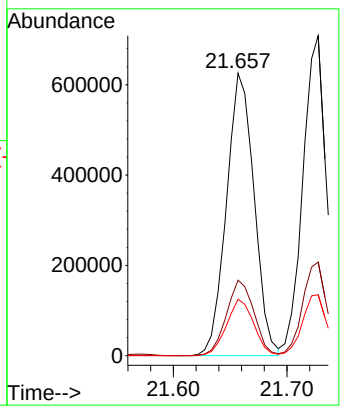


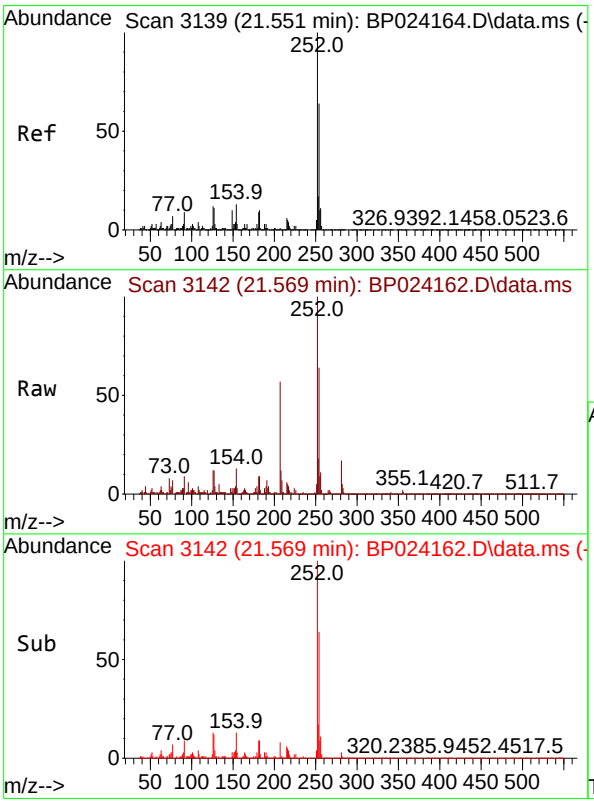

#81
Benzo(a)anthracene
Concen: 9.520 ng
RT: 21.657 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:228 Resp: 1059397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.8 | 21.8 | 32.8 |
| 229 | 20.0 | 16.0 | 24.0 |

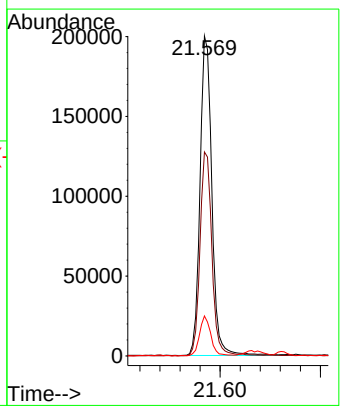


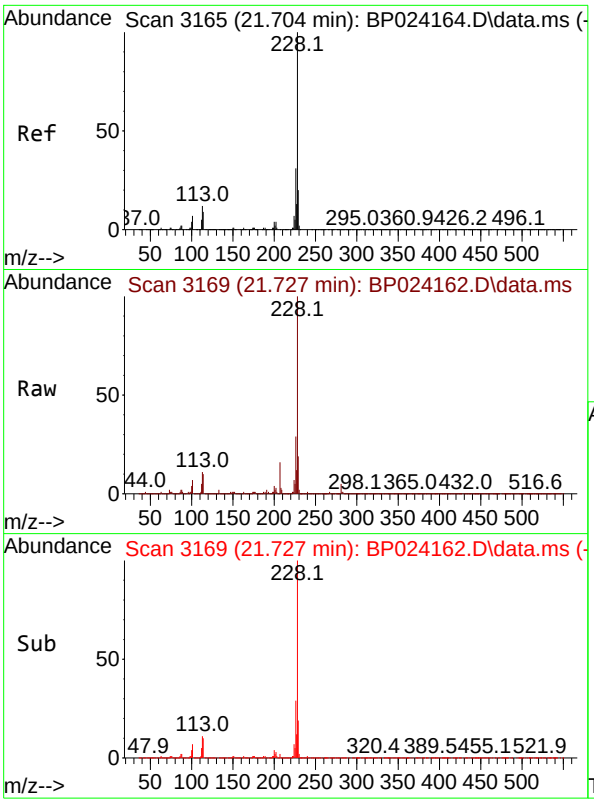




#82
3,3'-Dichlorobenzidine
Concen: 9.409 ng
RT: 21.569 min Scan# 3142
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:252 Resp: 327195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.8 | 51.4 | 77.2 |
| 126 | 12.5 | 9.3 | 13.9 |



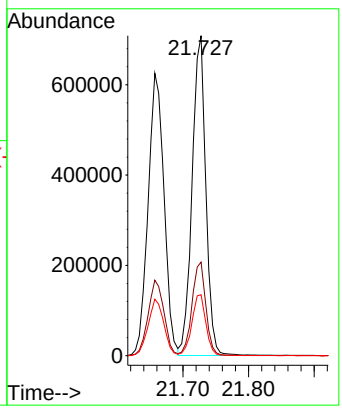


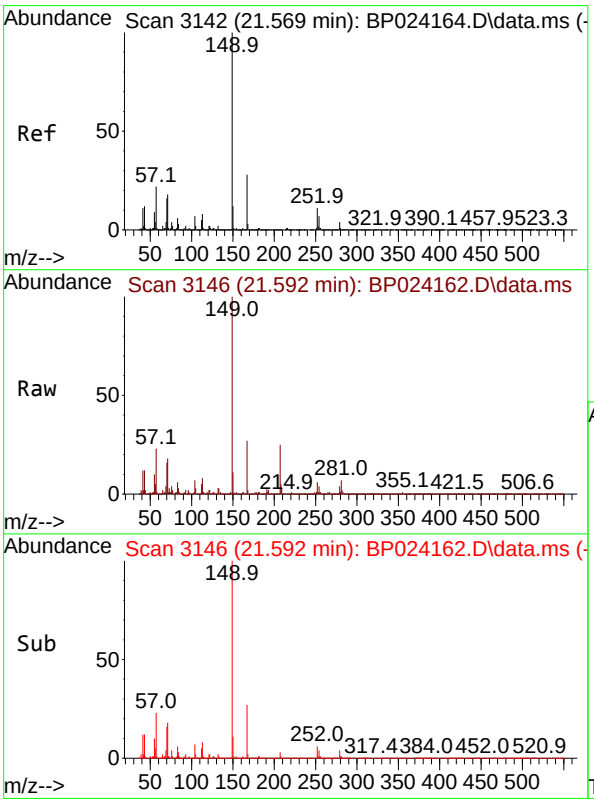

#83
Chrysene
Concen: 9.585 ng
RT: 21.727 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:228 Resp: 1028579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.3 | 24.5 | 36.7 |
| 229 | 19.1 | 16.2 | 24.2 |

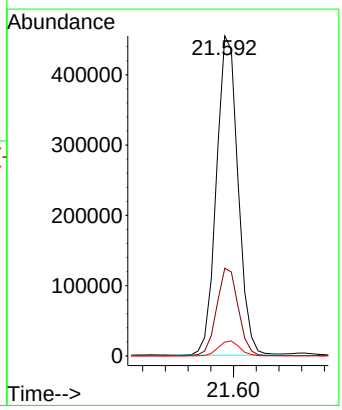


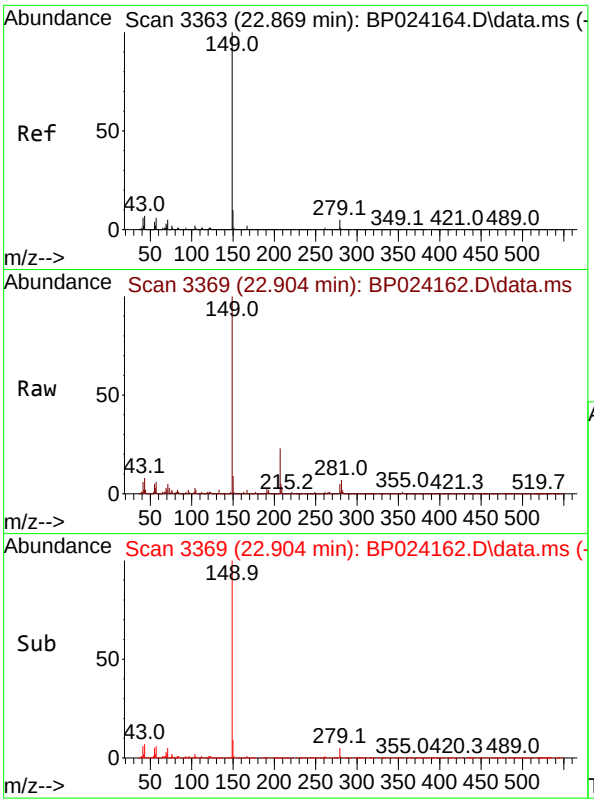




#84
Bis(2-ethylhexyl)phthalate
Concen: 9.181 ng
RT: 21.592 min Scan# 3146
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:149 Resp: 601388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.4 | 22.5 | 33.7 |
| 279 | 4.4 | 3.6 | 5.4 |



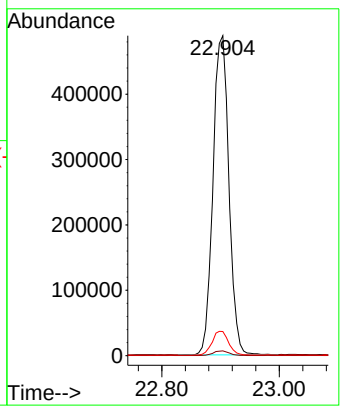


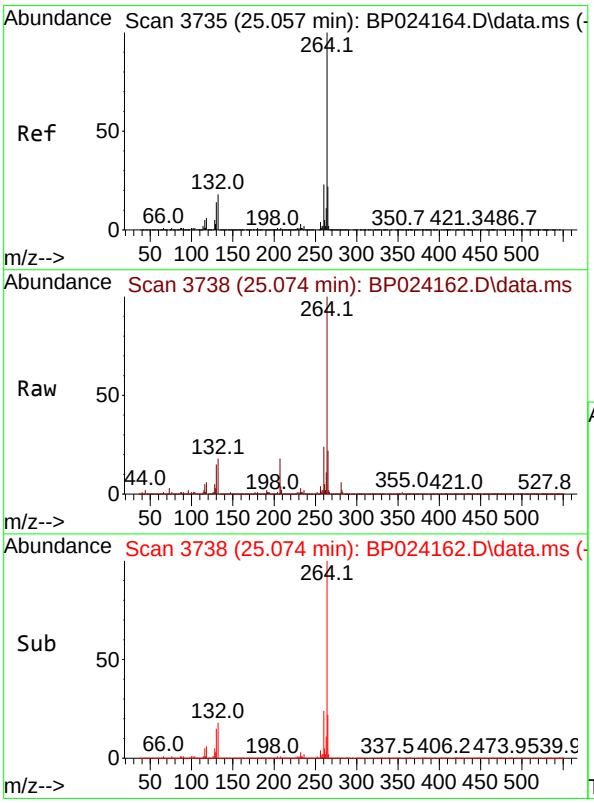

#85
Di-n-octyl phthalate
Concen: 8.757 ng
RT: 22.904 min Scan# 3
Delta R.T. 0.035 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:149 Resp: 916941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.3 | 1.9 |
| 43 | 7.8 | 5.8 | 8.8 |

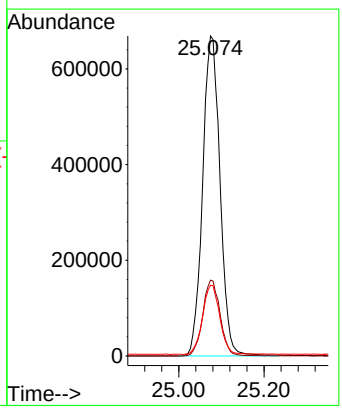


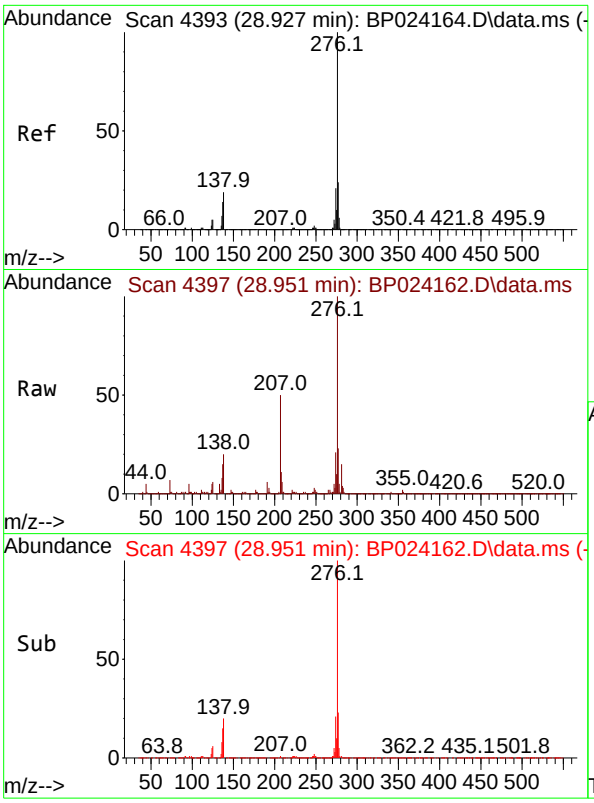




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.074 min Scan# 3738
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:264 Resp: 1895165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.7 | 18.5 | 27.7 |
| 265 | 22.1 | 17.7 | 26.5 |



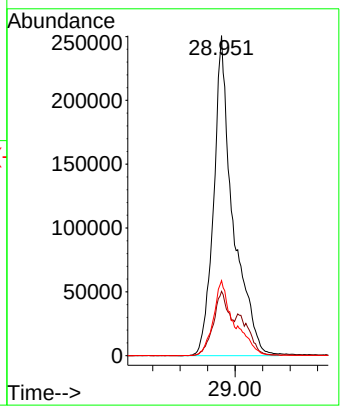


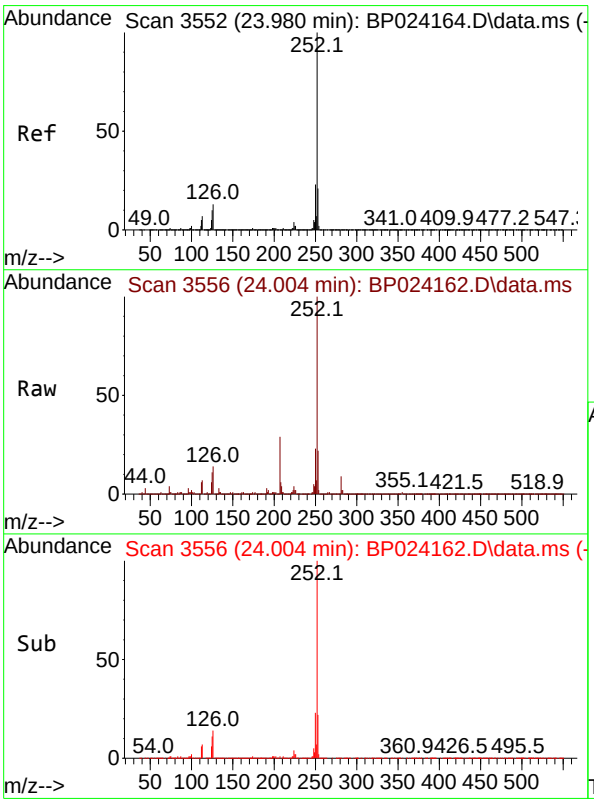

#87
Indeno(1,2,3-cd)pyrene
Concen: 9.061 ng
RT: 28.951 min Scan# 4
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:276 Resp: 1221650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 17.3 | 13.7 | 20.5 |
| 277 | 19.7 | 20.2 | 30.2# |

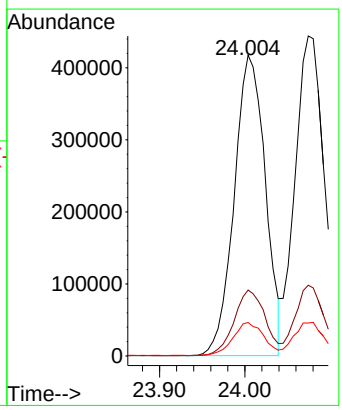


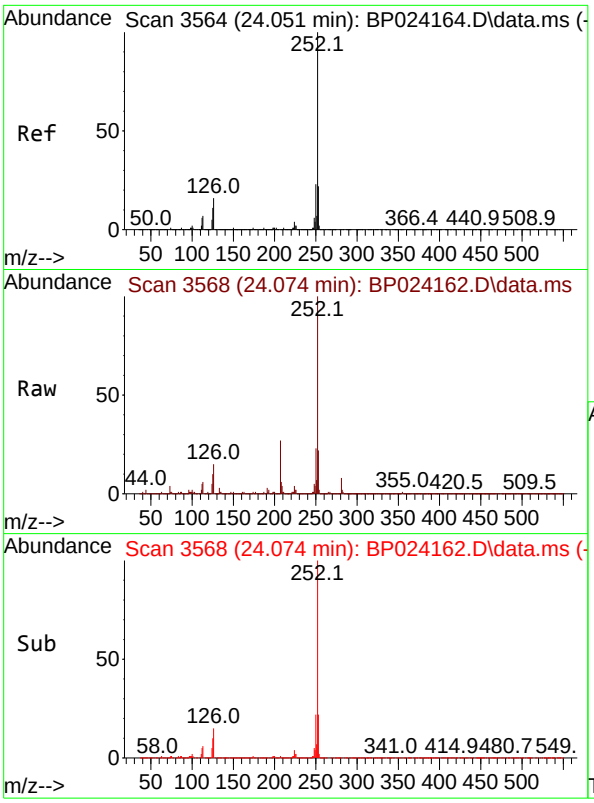




#88
Benzo(b)fluoranthene
Concen: 8.789 ng
RT: 24.004 min Scan# 3556
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:252 Resp: 1057737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.2 | 25.8 |
| 125 | 11.1 | 8.2 | 12.4 |



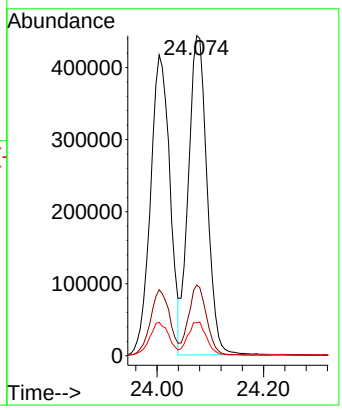


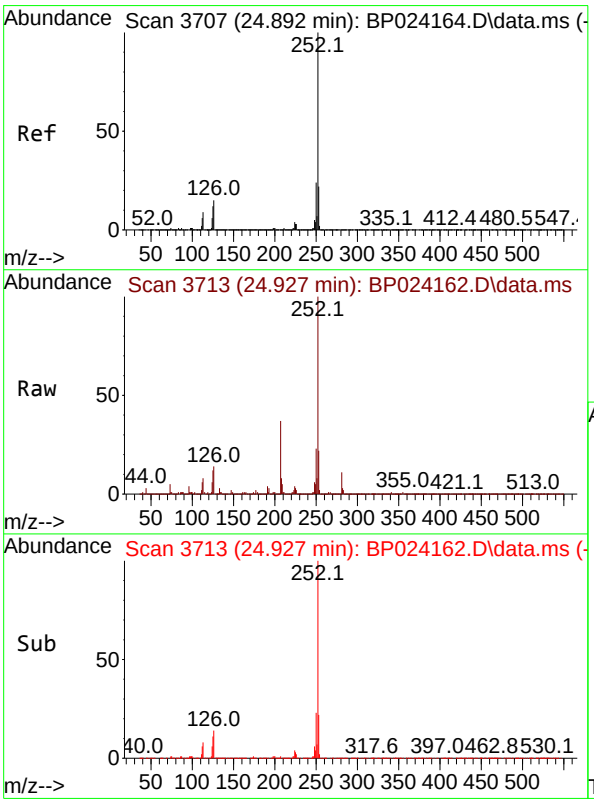

#89
Benzo(k)fluoranthene
Concen: 9.190 ng
RT: 24.074 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:252 Resp: 1076560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.7 | 26.5 |
| 125 | 10.3 | 9.1 | 13.7 |

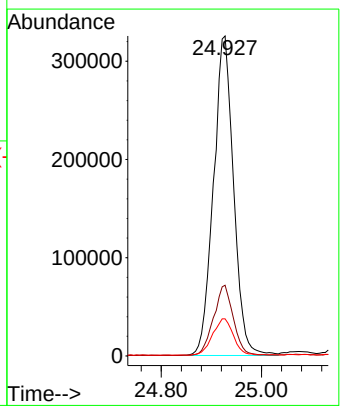


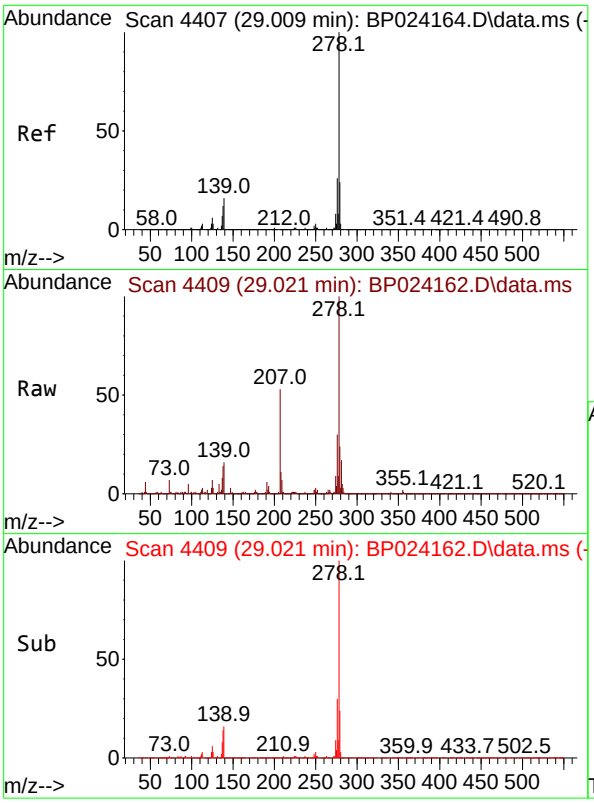




#90
Benzo(a)pyrene
Concen: 8.896 ng
RT: 24.927 min Scan# 3713
Delta R.T. 0.035 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:252 Resp: 908542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.4 | 26.0 |
| 125 | 11.6 | 9.6 | 14.4 |



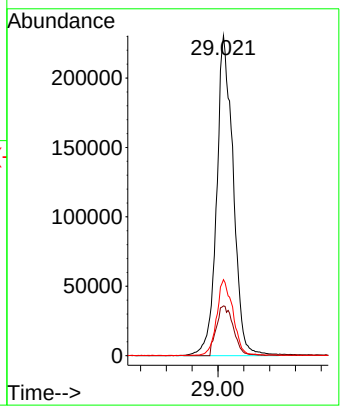


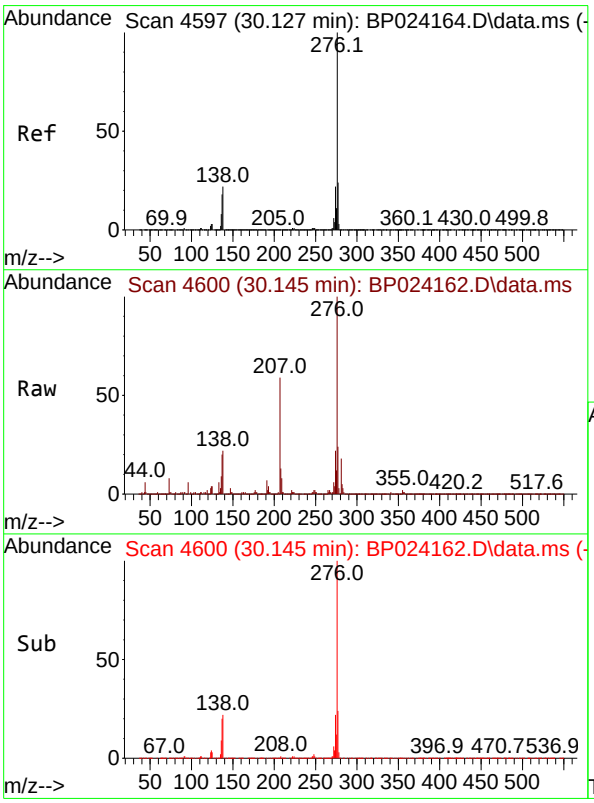

#91
Dibenzo(a,h)anthracene
Concen: 9.052 ng
RT: 29.021 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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

Tgt Ion:278 Resp: 1026140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.6 | 13.0 | 19.4 |
| 279 | 23.7 | 18.8 | 28.2 |

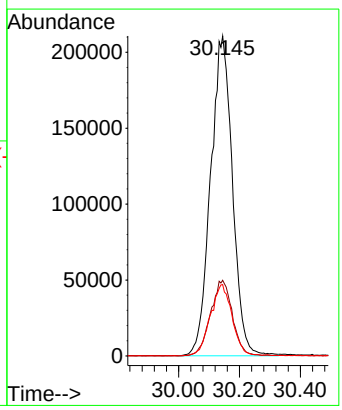



#92
Benzo(g,h,i)perylene
Concen: 9.121 ng
RT: 30.145 min Scan# 4600
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:276 Resp: 1049241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 19.2 | 28.8 |
| 138 | 22.3 | 17.4 | 26.2 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024163.D
Acq On : 12 Mar 2025 18:19
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Quant Time: Mar 13 04:07:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.775 | 152 | 353514 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.545 | 136 | 1479701 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.398 | 164 | 895871 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.204 | 188 | 1698224 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.657 | 240 | 1778727 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.062 | 264 | 1914395 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.381 | 112 | 924270 | 40.796 | ng | | 0.00 |
| 7) Phenol-d6 | 6.952 | 99 | 1235081 | 42.415 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.916 | 82 | 1081750 | 40.785 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.922 | 330 | 459354 | 41.861 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.016 | 172 | 2543735 | 39.695 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.927 | 244 | 3676388 | 40.898 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.316 | 88 | 183072 | 20.599 | ng | | 99 |
| 3) Pyridine | 3.716 | 79 | 496891 | 21.504 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.622 | 42 | 168162 | 20.517 | ng | | 96 |
| 6) Aniline | 7.104 | 93 | 585428 | 21.953 | ng | | 99 |
| 8) 2-Chlorophenol | 7.340 | 128 | 499424 | 20.827 | ng | | 99 |
| 9) Benzaldehyde | 6.922 | 77 | 328740 | 24.728 | ng | | 99 |
| 10) Phenol | 6.975 | 94 | 619974 | 21.173 | ng | | 100 |
| 11) bis(2-Chloroethyl)ether | 7.199 | 93 | 497357 | 21.565 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 7.663 | 146 | 537900 | 20.418 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.804 | 146 | 552358 | 20.733 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.122 | 146 | 528080 | 20.654 | ng | | 99 |
| 15) Benzyl Alcohol | 8.004 | 79 | 387410 | 21.735 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.287 | 45 | 506774 | 22.636 | ng | | 97 |
| 17) 2-Methylphenol | 8.210 | 107 | 395947 | 22.190 | ng | | 99 |
| 18) Hexachloroethane | 8.846 | 117 | 193543 | 20.172 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.569 | 70 | 370486 | 23.663 | ng | | 100 |
| 20) 3+4-Methylphenols | 8.534 | 107 | 541047 | 22.289 | ng | | 98 |
| 22) Acetophenone | 8.587 | 105 | 786239 | 20.677 | ng | # | 100 |
| 24) Nitrobenzene | 8.963 | 77 | 535855 | 20.529 | ng | | 99 |
| 25) Isophorone | 9.487 | 82 | 933509 | 21.523 | ng | | 99 |
| 26) 2-Nitrophenol | 9.669 | 139 | 246943 | 20.534 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.728 | 122 | 325916 | 20.646 | ng | | 100 |
| 28) bis(2-Chloroethoxy)met... | 9.957 | 93 | 648792 | 20.649 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.204 | 162 | 440705 | 20.457 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.416 | 180 | 486293 | 19.702 | ng | | 99 |
| 31) Naphthalene | 10.598 | 128 | 1625925 | 20.436 | ng | | 99 |
| 32) Benzoic acid | 9.845 | 122 | 280702 | 19.396 | ng | | 99 |
| 33) 4-Chloroaniline | 10.704 | 127 | 588052 | 20.980 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.887 | 225 | 276905 | 19.369 | ng | | 98 |
| 35) Caprolactam | 11.487 | 113 | 143023 | 21.924 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 11.839 | 107 | 479996 | 21.674 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.210 | 142 | 1090957 | 20.630 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.434 | 142 | 1077045 | 20.936 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.581 | 216 | 533843 | 19.394 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.563 | 237 | 191514 | 18.697 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.822 | 196 | 339357 | 20.216 | ng | | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024163.D
Acq On : 12 Mar 2025 18:19
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Quant Time: Mar 13 04:07:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

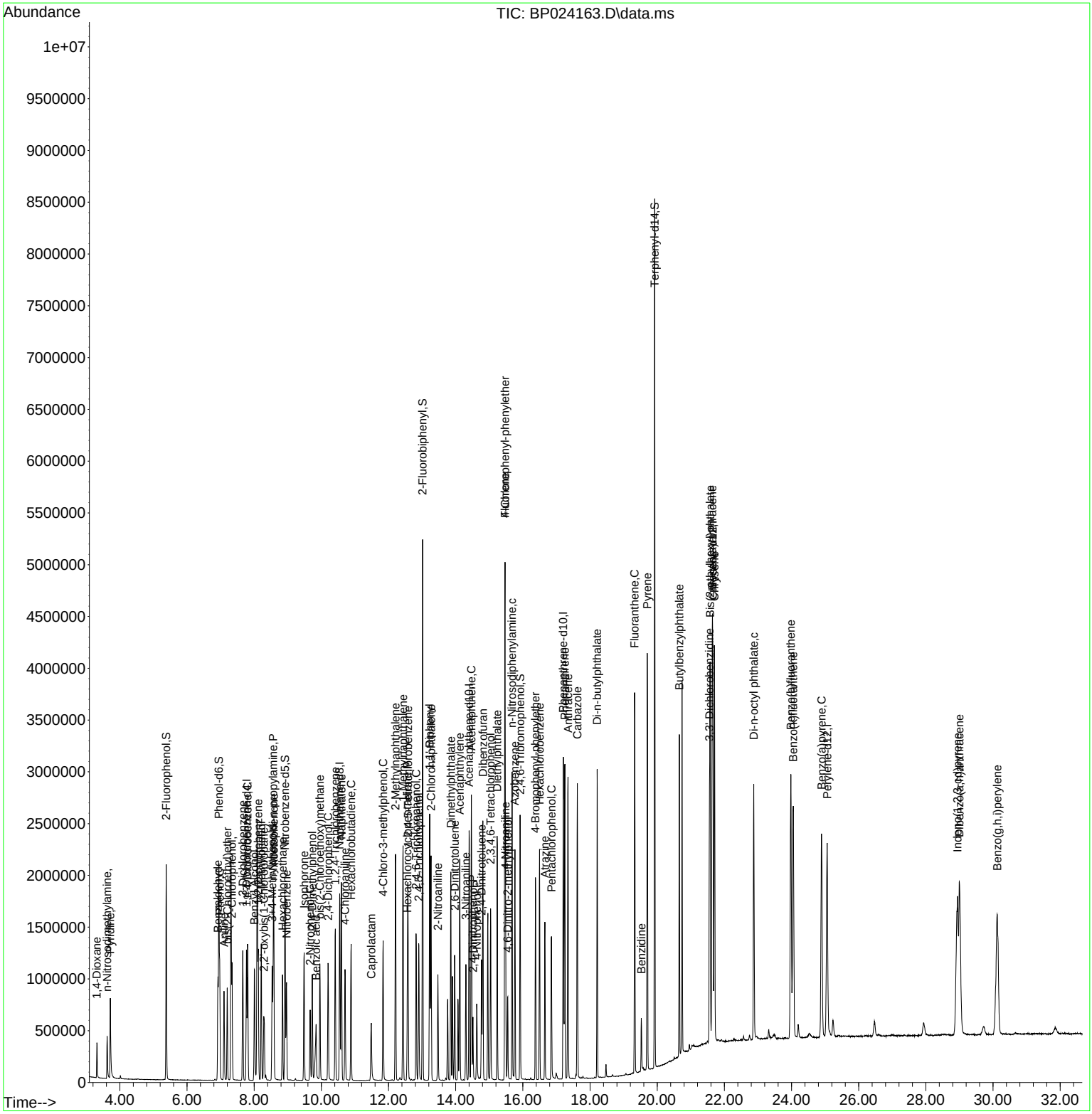
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.904 | 196 | 370561 | 20.184 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.228 | 154 | 1402874 | 20.152 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.269 | 162 | 1056861 | 20.083 | ng | | 99 |
| 48) 2-Nitroaniline | 13.469 | 65 | 268455 | 21.595 | ng | | 98 |
| 49) Acenaphthylene | 14.122 | 152 | 1590772 | 20.517 | ng | | 100 |
| 50) Dimethylphthalate | 13.857 | 163 | 1306638 | 20.677 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 13.969 | 165 | 271891 | 21.122 | ng | | 97 |
| 52) Acenaphthene | 14.469 | 154 | 1017503 | 20.379 | ng | | 99 |
| 53) 3-Nitroaniline | 14.304 | 138 | 293921 | 21.397 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 14.516 | 184 | 130759 | 19.074 | ng | | 99 |
| 55) Dibenzofuran | 14.810 | 168 | 1643604 | 20.264 | ng | | 99 |
| 56) 4-Nitrophenol | 14.628 | 139 | 242843 | 20.466 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 14.769 | 165 | 358405 | 21.433 | ng | | 97 |
| 58) Fluorene | 15.469 | 166 | 1291744 | 20.392 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.039 | 232 | 326758 | 20.514 | ng | | 99 |
| 60) Diethylphthalate | 15.233 | 149 | 1287503 | 20.524 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.469 | 204 | 623454 | 19.996 | ng | | 99 |
| 62) 4-Nitroaniline | 15.486 | 138 | 311347 | 21.841 | ng | | 99 |
| 63) Azobenzene | 15.763 | 77 | 1226441 | 20.864 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.551 | 198 | 188346 | 19.162 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.680 | 169 | 1068735 | 20.181 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.375 | 248 | 377534 | 19.797 | ng | | 99 |
| 68) Hexachlorobenzene | 16.498 | 284 | 447016 | 19.921 | ng | | 96 |
| 69) Atrazine | 16.657 | 200 | 265940 | 19.568 | ng | | 99 |
| 70) Pentachlorophenol | 16.851 | 266 | 282344 | 19.373 | ng | | 99 |
| 71) Phenanthrene | 17.251 | 178 | 1911548 | 19.965 | ng | | 99 |
| 72) Anthracene | 17.345 | 178 | 1870471 | 20.386 | ng | | 100 |
| 73) Carbazole | 17.622 | 167 | 1799842 | 20.589 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.210 | 149 | 2118089 | 20.765 | ng | | 100 |
| 75) Fluoranthene | 19.327 | 202 | 2186012 | 20.186 | ng | | 99 |
| 77) Benzidine | 19.527 | 184 | 317361 | 14.642 | ng | | 99 |
| 78) Pyrene | 19.704 | 202 | 2310992 | 20.454 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.657 | 149 | 912738 | 21.082 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.639 | 228 | 2295776 | 20.583 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.557 | 252 | 762665 | 21.882 | ng | | 100 |
| 83) Chrysene | 21.704 | 228 | 2177924 | 20.250 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.574 | 149 | 1395096 | 21.249 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.874 | 149 | 2177750 | 20.752 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.939 | 276 | 2721144 | 19.980 | ng | # | 92 |
| 88) Benzo(b)fluoranthene | 23.980 | 252 | 2407773 | 19.806 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 24.051 | 252 | 2322149 | 19.624 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.892 | 252 | 2038106 | 19.755 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.997 | 278 | 2267016 | 19.797 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 30.127 | 276 | 2294574 | 19.746 | ng | | 100 |

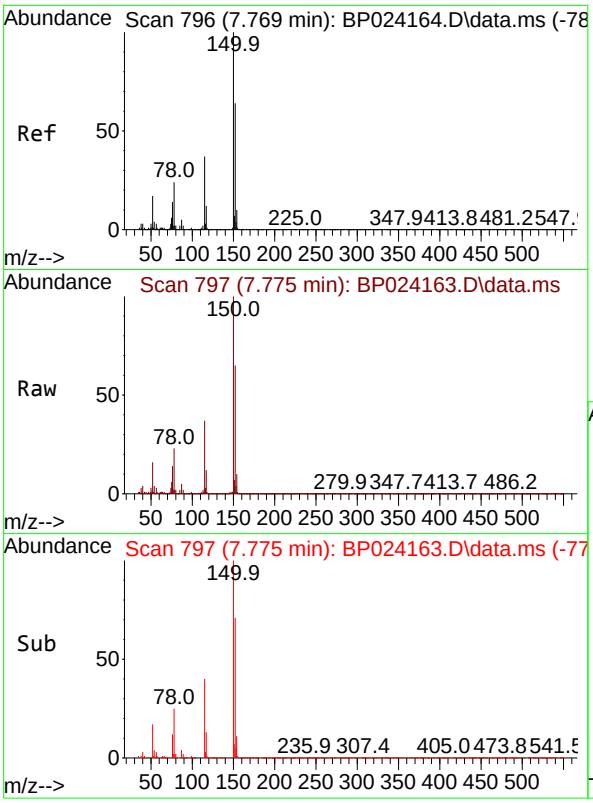
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024163.D
Acq On : 12 Mar 2025 18:19
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Quant Time: Mar 13 04:07:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration



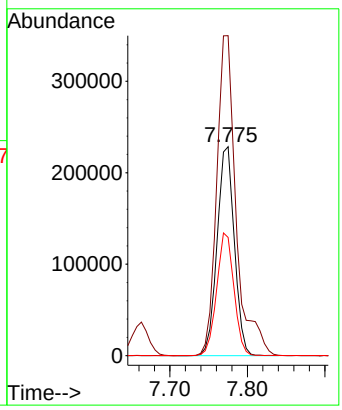


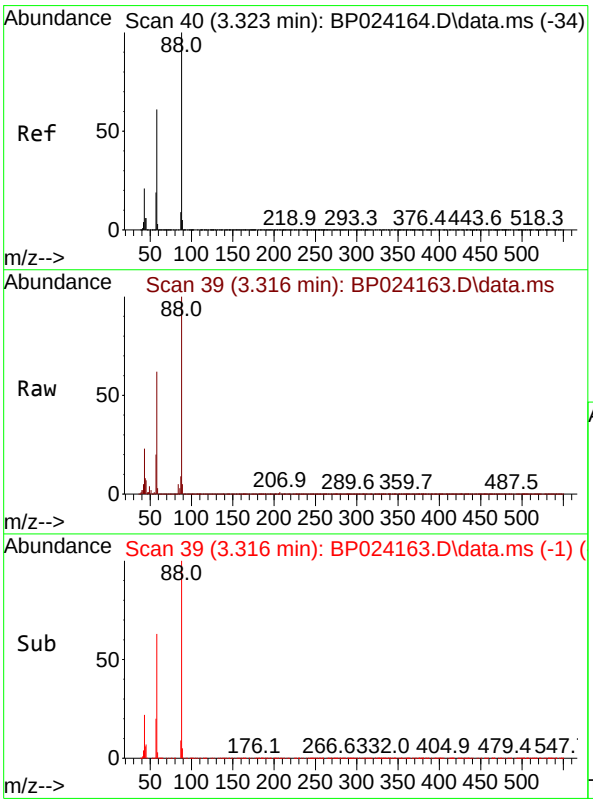

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:152 Resp: 353514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.2 | 125.5 | 188.3 |
| 115 | 56.6 | 46.3 | 69.5 |

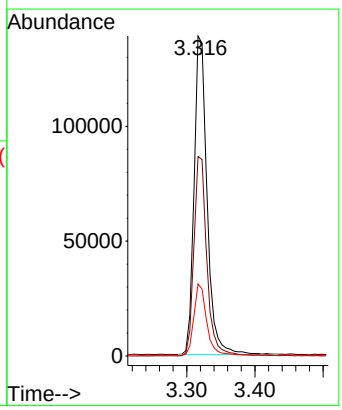


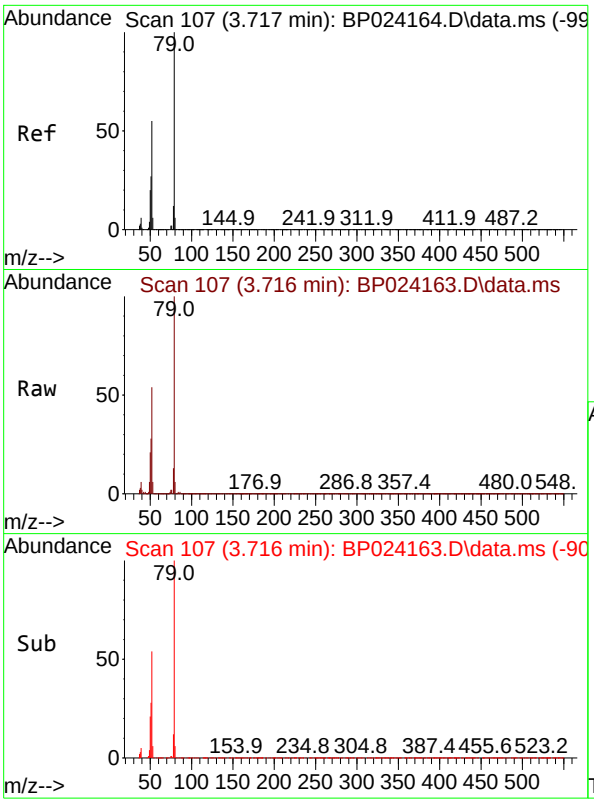




#2
1,4-Dioxane
Concen: 20.599 ng
RT: 3.316 min Scan# 39
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion: 88 Resp: 183072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 62.8 | 49.8 | 74.6 |
| 43 | 21.9 | 17.3 | 25.9 |



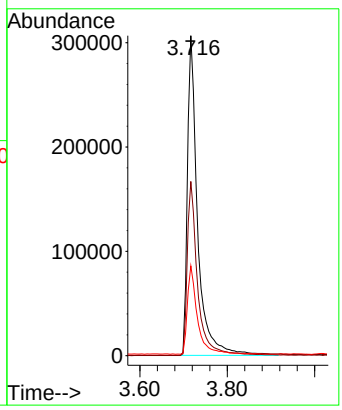


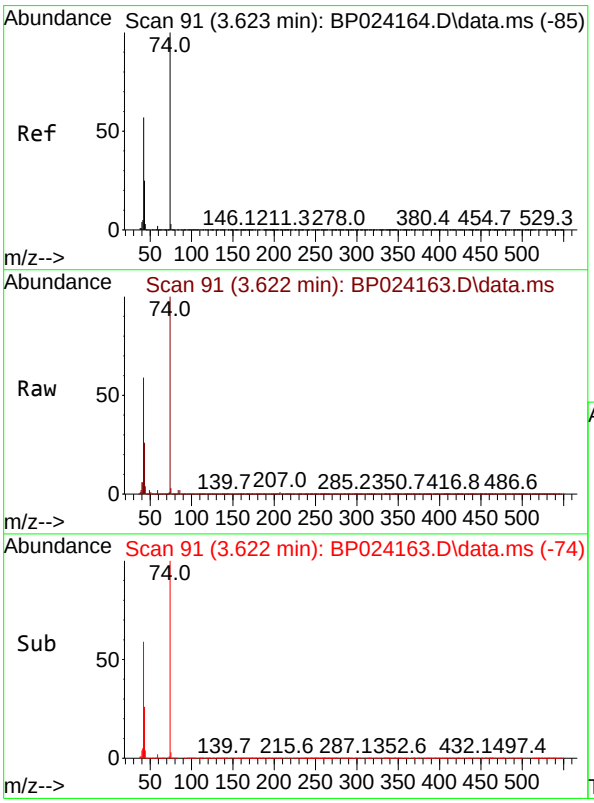

#3
Pyridine
Concen: 21.504 ng
RT: 3.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion: 79 Resp: 496891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 54.5 | 43.8 | 65.8 |
| 51 | 28.0 | 21.6 | 32.4 |

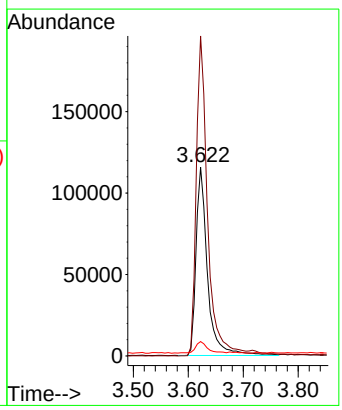


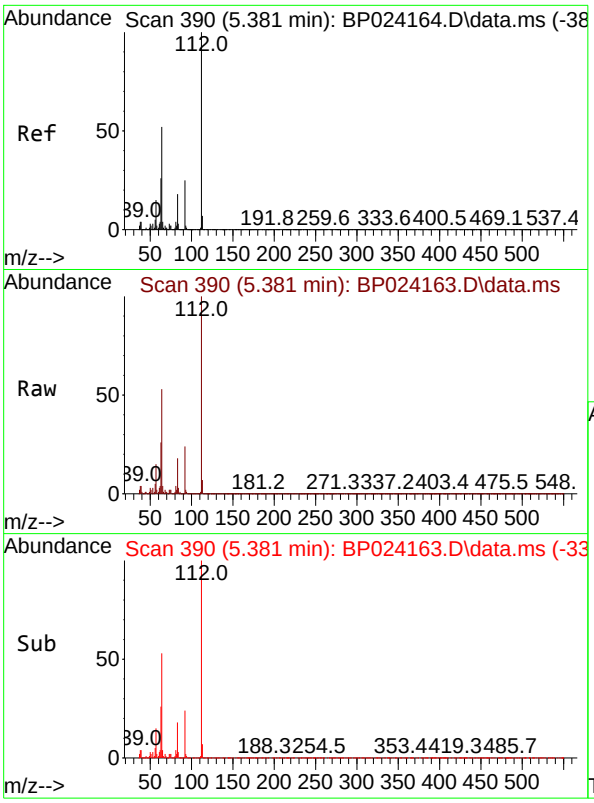




#4
n-Nitrosodimethylamine
Concen: 20.517 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion: 42 Resp: 168162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 169.5 | 139.8 | 209.6 |
| 44 | 7.6 | 5.3 | 7.9 |



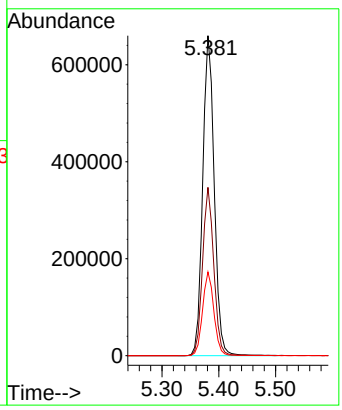


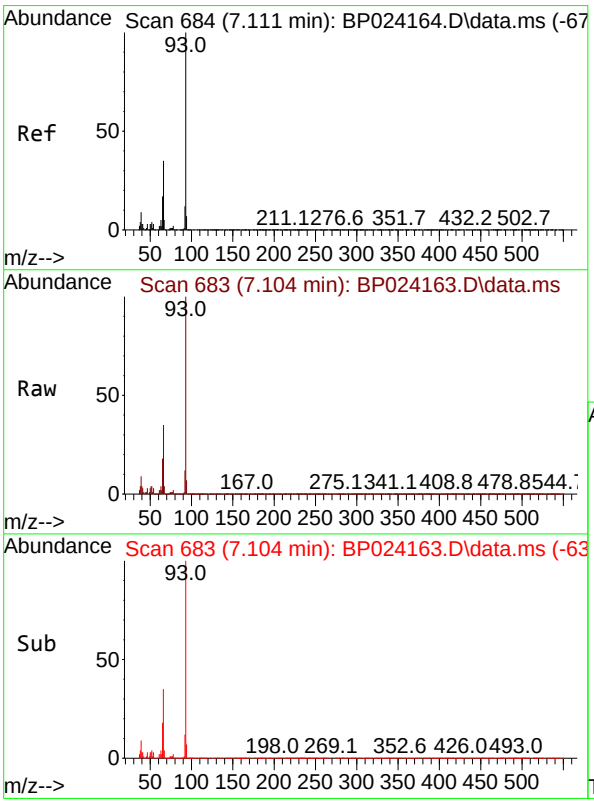

#5
2-Fluorophenol
Concen: 40.796 ng
RT: 5.381 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:112 Resp: 924270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.6 | 41.3 | 61.9 |
| 63 | 26.2 | 20.6 | 31.0 |

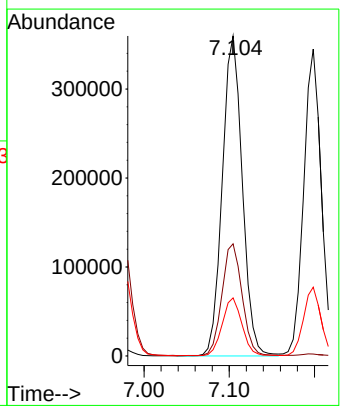


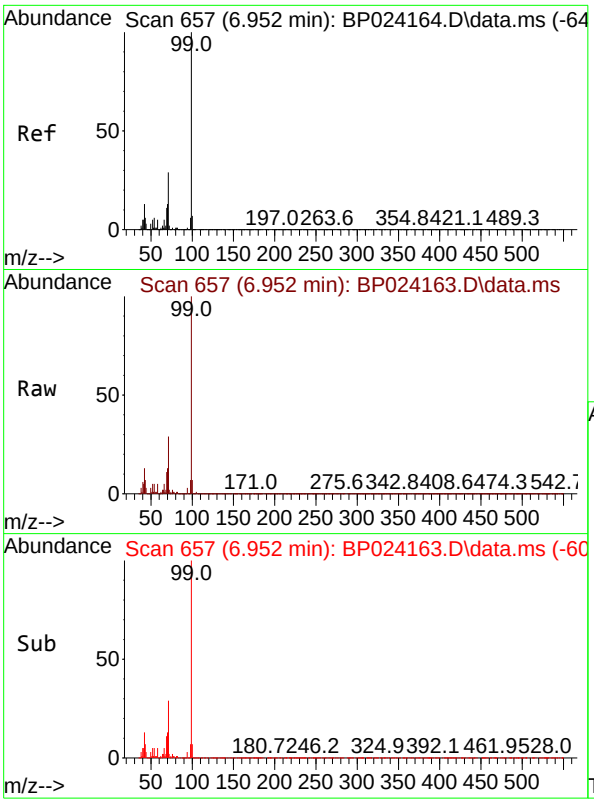




#6
Aniline
Concen: 21.953 ng
RT: 7.104 min Scan# 683
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion: 93 Resp: 585428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 35.0 | 28.2 | 42.2 |
| 65 | 18.1 | 14.0 | 21.0 |



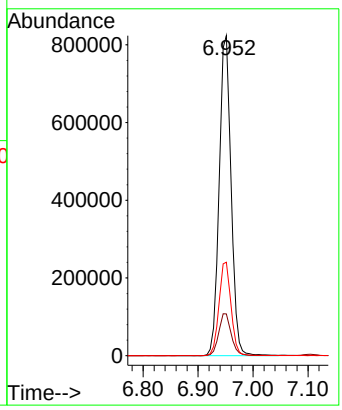


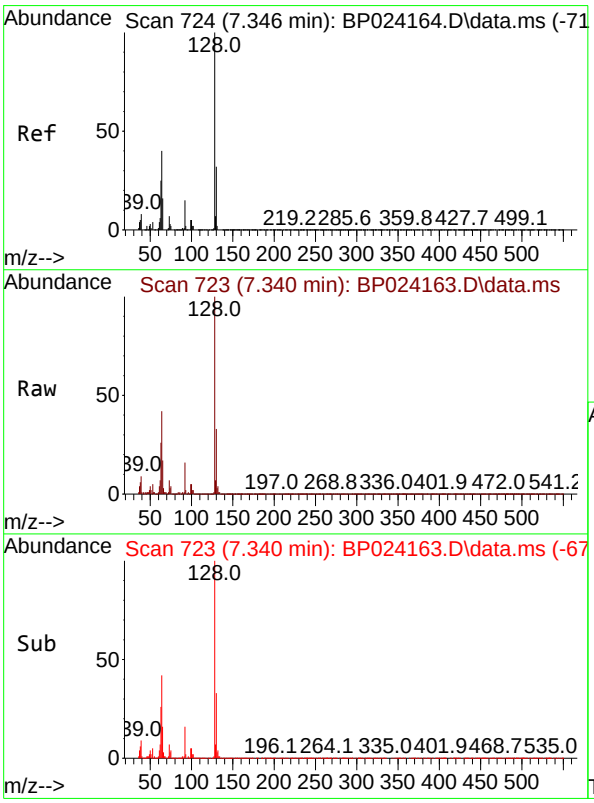

#7
Phenol-d6
Concen: 42.415 ng
RT: 6.952 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion: 99 Resp: 1235081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.1 | 10.6 | 16.0 |
| 71 | 29.2 | 23.3 | 34.9 |

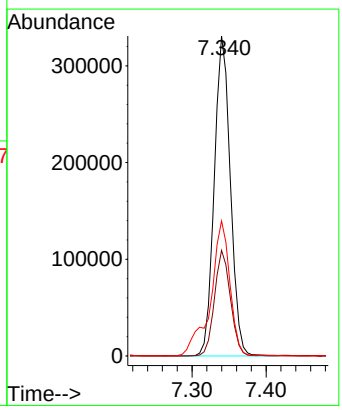


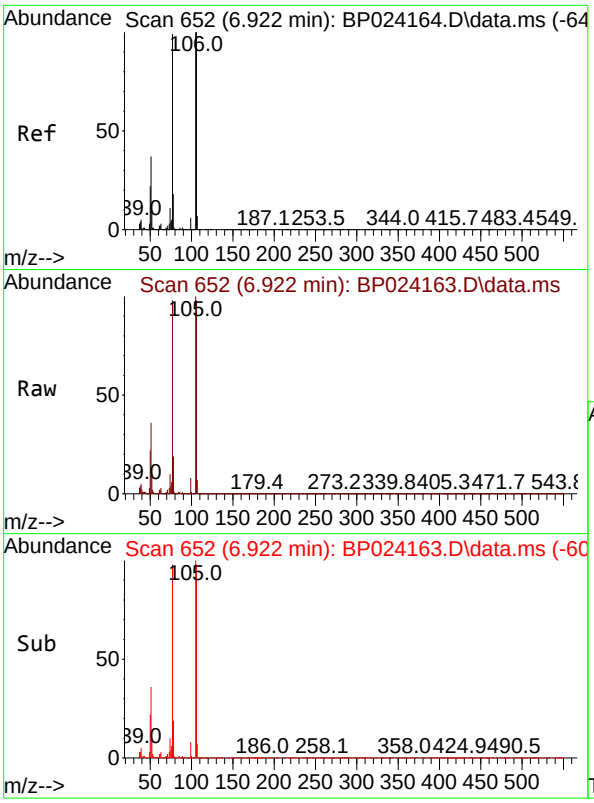




#8
2-Chlorophenol
Concen: 20.827 ng
RT: 7.340 min Scan# 723
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:128 Resp: 499424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.0 | 12.0 | 52.0 |
| 64 | 42.2 | 21.6 | 61.6 |



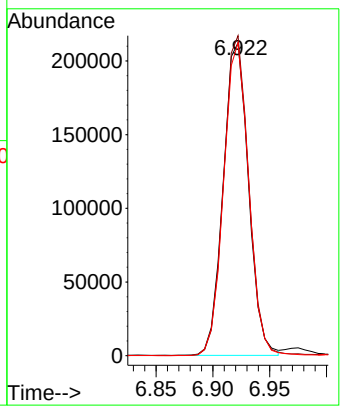


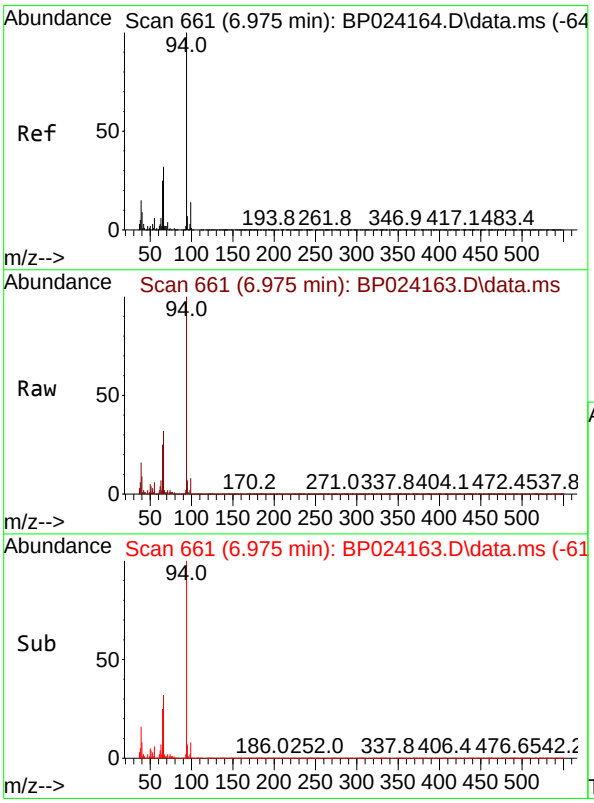

#9
Benzaldehyde
Concen: 24.728 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion: 77 Resp: 328740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 102.3 | 81.4 | 121.4 |
| 106 | 100.0 | 81.1 | 121.1 |

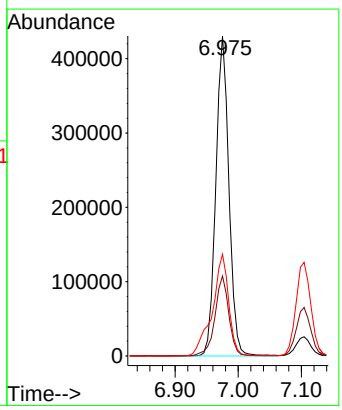


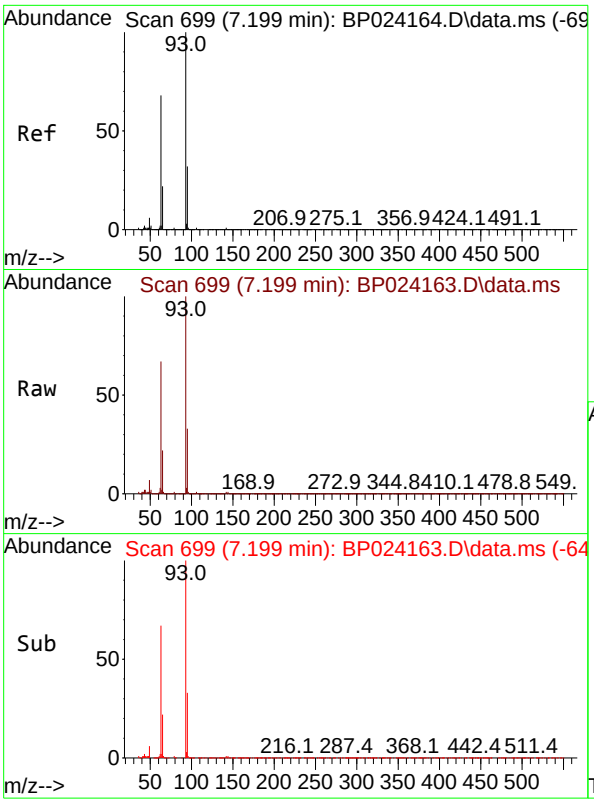




#10
Phenol
Concen: 21.173 ng
RT: 6.975 min Scan# 661
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion: 94 Resp: 619974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 25.0 | 4.9 | 44.9 |
| 66 | 31.8 | 11.9 | 51.9 |



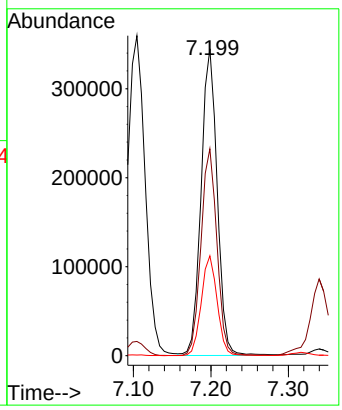


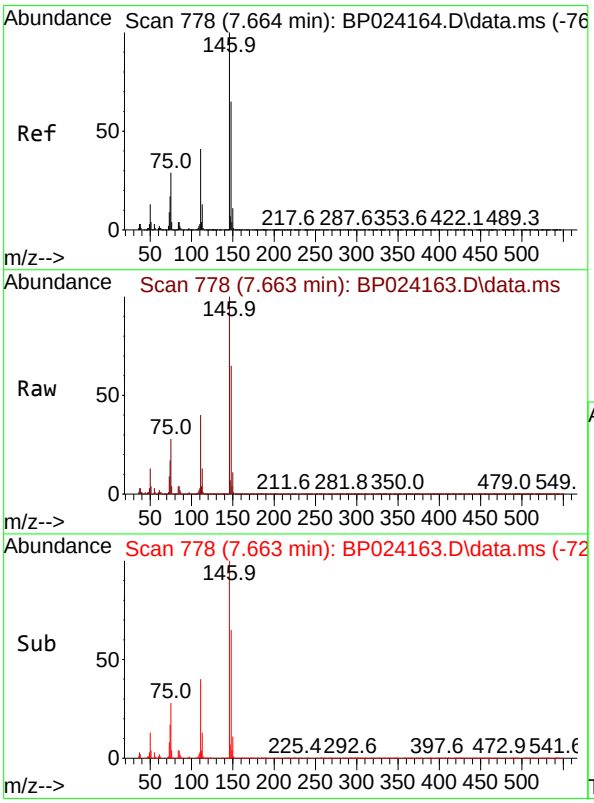

#11
bis(2-Chloroethyl)ether
Concen: 21.565 ng
RT: 7.199 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion: 93 Resp: 497357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 67.4 | 47.4 | 87.4 |
| 95 | 32.6 | 12.1 | 52.1 |

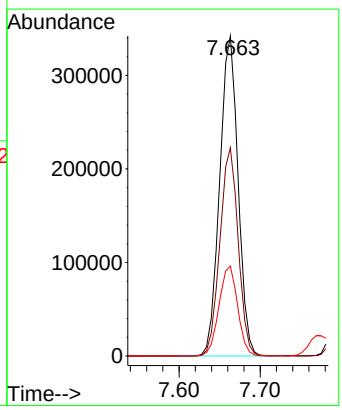


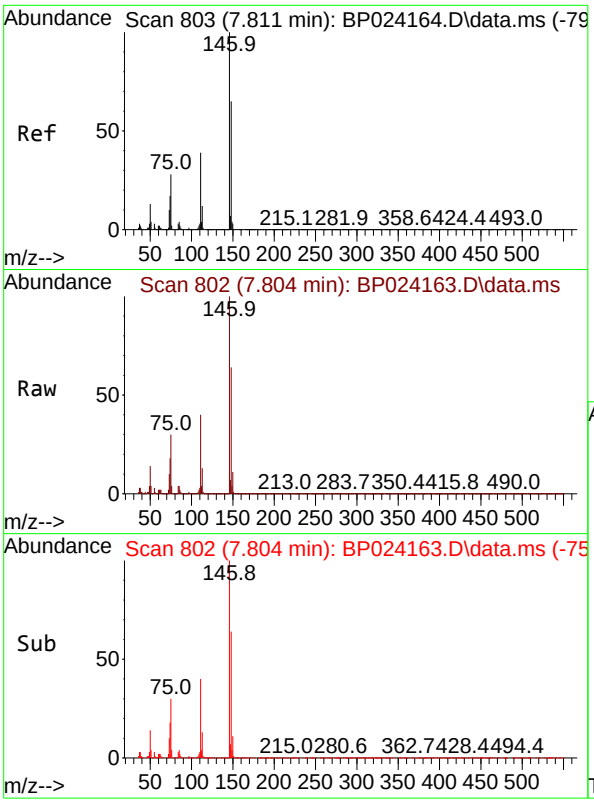




#12
1,3-Dichlorobenzene
Concen: 20.418 ng
RT: 7.663 min Scan# 778
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:146 Resp: 537900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.0 | 51.6 | 77.4 |
| 75 | 28.1 | 22.8 | 34.2 |



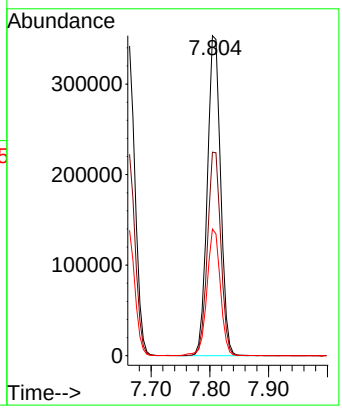


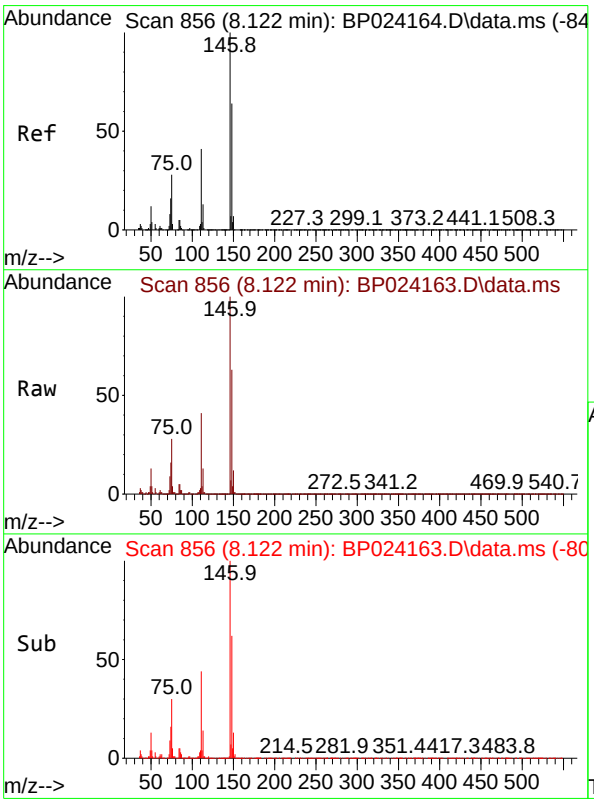

#13
1,4-Dichlorobenzene
Concen: 20.733 ng
RT: 7.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:146 Resp: 552358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.6 | 51.9 | 77.9 |
| 111 | 39.5 | 31.4 | 47.2 |

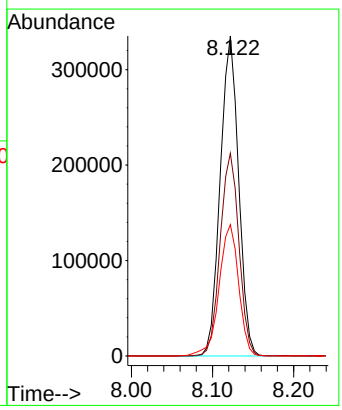


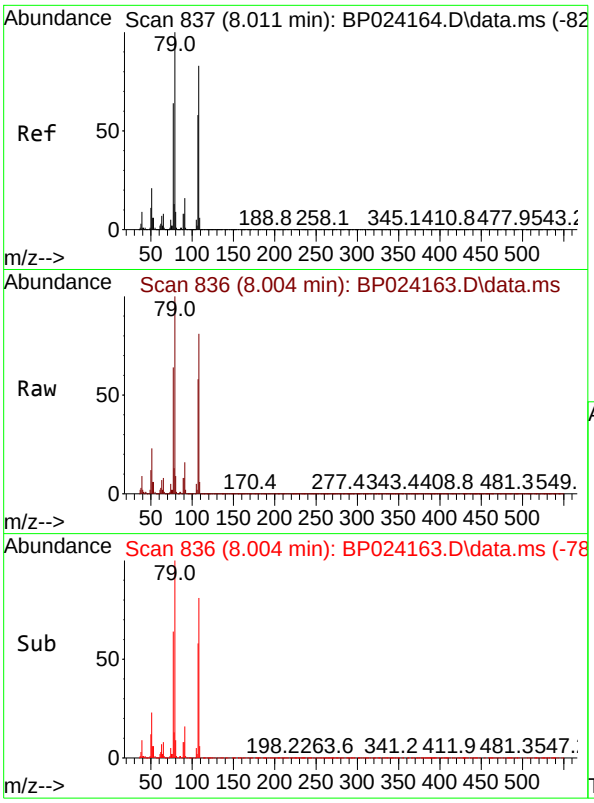




#14
1,2-Dichlorobenzene
Concen: 20.654 ng
RT: 8.122 min Scan# 856
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:146 Resp: 528080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.4 | 51.4 | 77.2 |
| 111 | 41.0 | 33.2 | 49.8 |



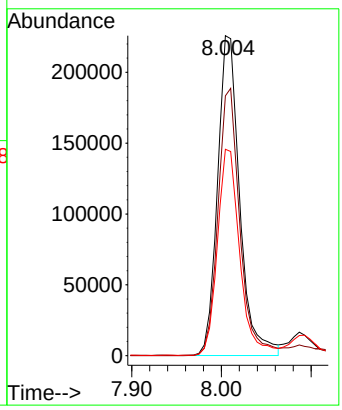


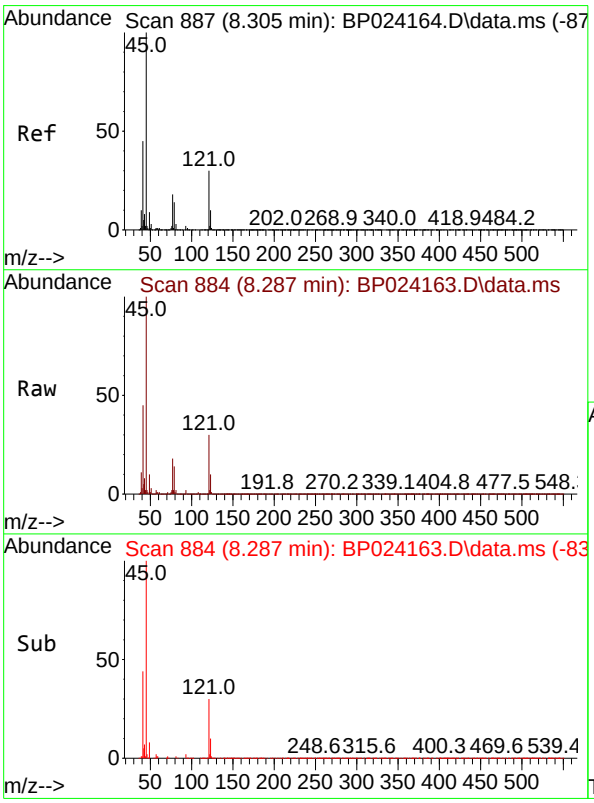

#15
Benzyl Alcohol
Concen: 21.735 ng
RT: 8.004 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion: 79 Resp: 387410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 81.2 | 66.5 | 99.7 |
| 77 | 64.5 | 50.9 | 76.3 |

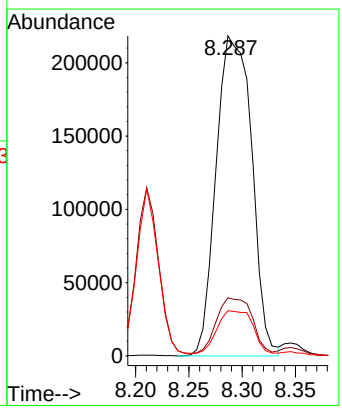


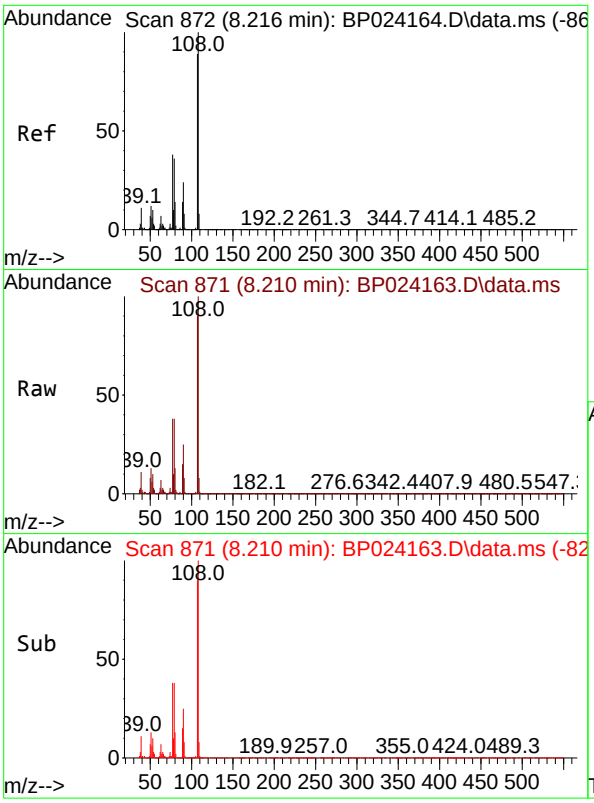




#16
2,2'-oxybis(1-Chloropropane)
Concen: 22.636 ng
RT: 8.287 min Scan# 884
Delta R.T. -0.018 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion: 45 Resp: 506774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 18.2 | 0.0 | 39.0 |
| 79 | 14.1 | 0.0 | 35.6 |



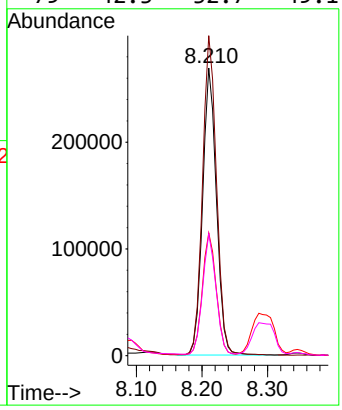


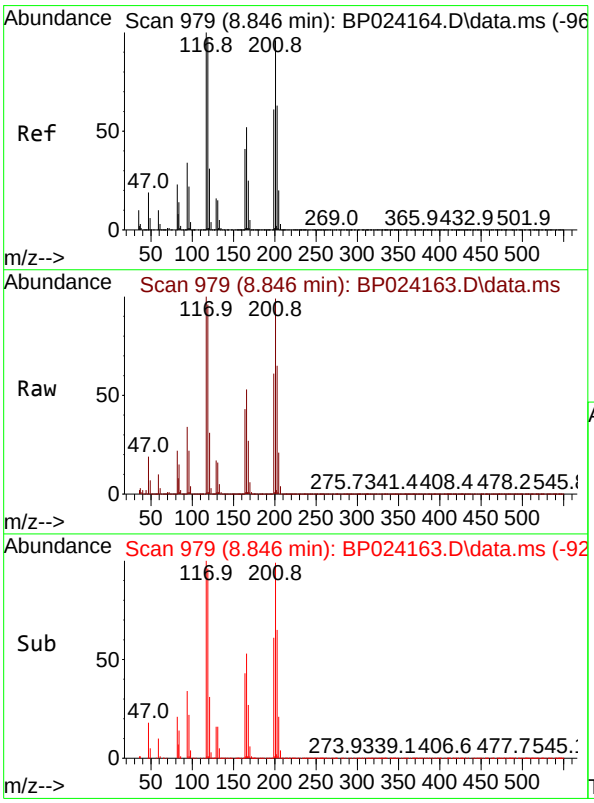

#17
2-Methylphenol
Concen: 22.190 ng
RT: 8.210 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:107 Resp: 395947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.2 | 90.0 | 135.0 |
| 77 | 42.6 | 34.0 | 51.0 |
| 79 | 42.3 | 32.7 | 49.1 |

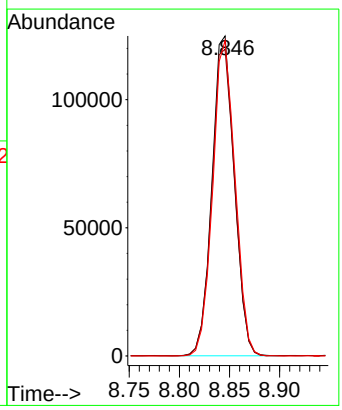


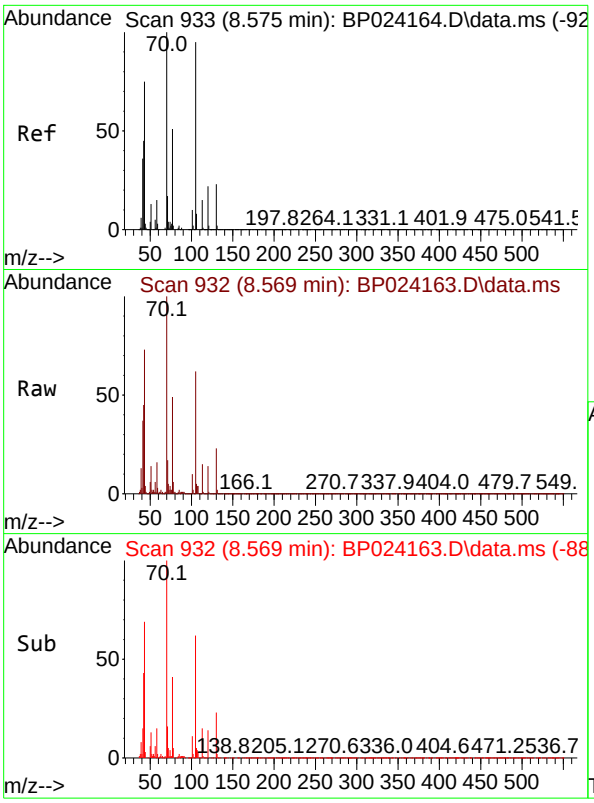




#18
Hexachloroethane
Concen: 20.172 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:117 Resp: 193543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.9 | 77.4 | 116.0 |
| 201 | 98.5 | 76.6 | 114.8 |



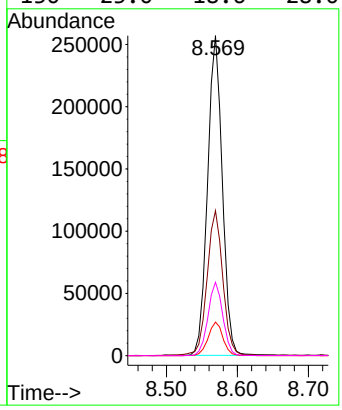


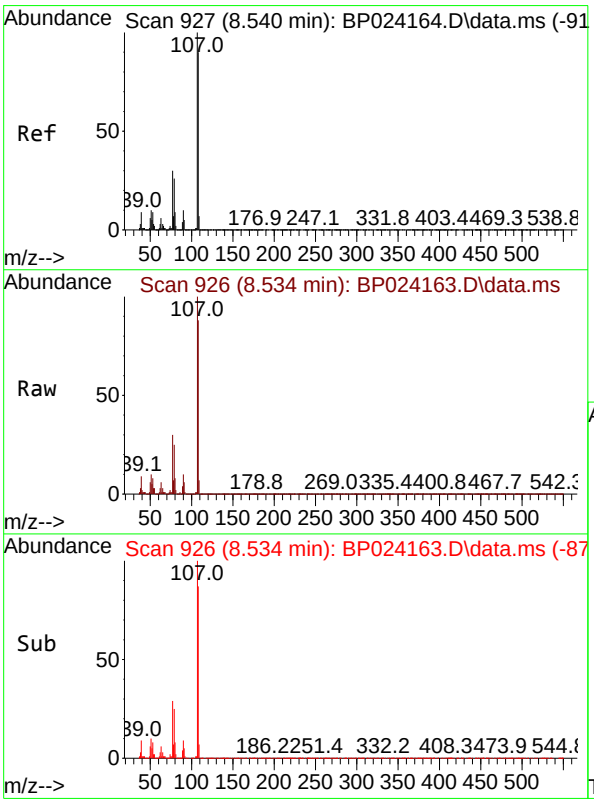

#19
n-Nitroso-di-n-propylamine
Concen: 23.663 ng
RT: 8.569 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion: 70 Resp: 370486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 45.3 | 36.0 | 54.0 |
| 101 | 10.5 | 8.3 | 12.5 |
| 130 | 23.0 | 18.6 | 28.0 |

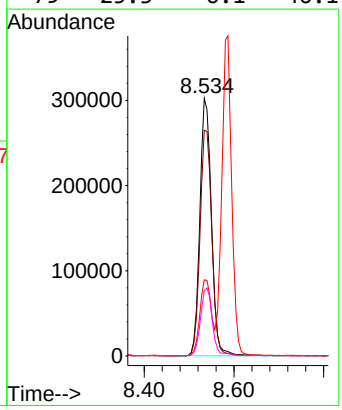


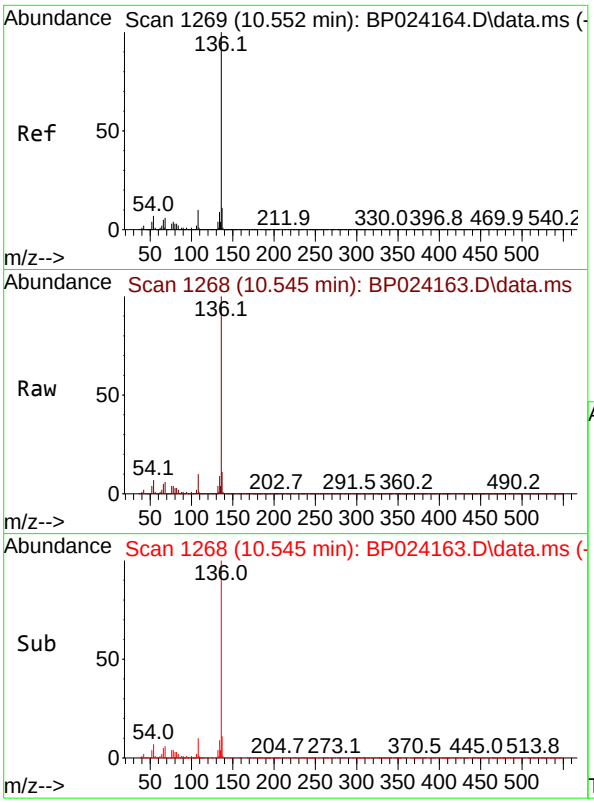




#20
3+4-Methylphenols
Concen: 22.289 ng
RT: 8.534 min Scan# 926
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:107 Resp: 541047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 87.6 | 69.7 | 109.7 |
| 77 | 29.6 | 10.3 | 50.3 |
| 79 | 25.3 | 6.1 | 46.1 |



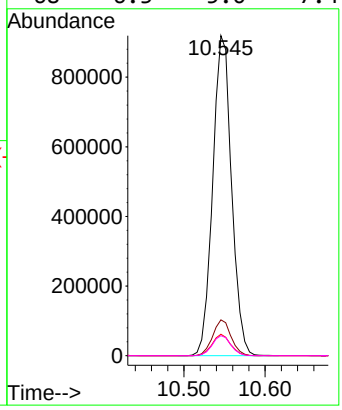


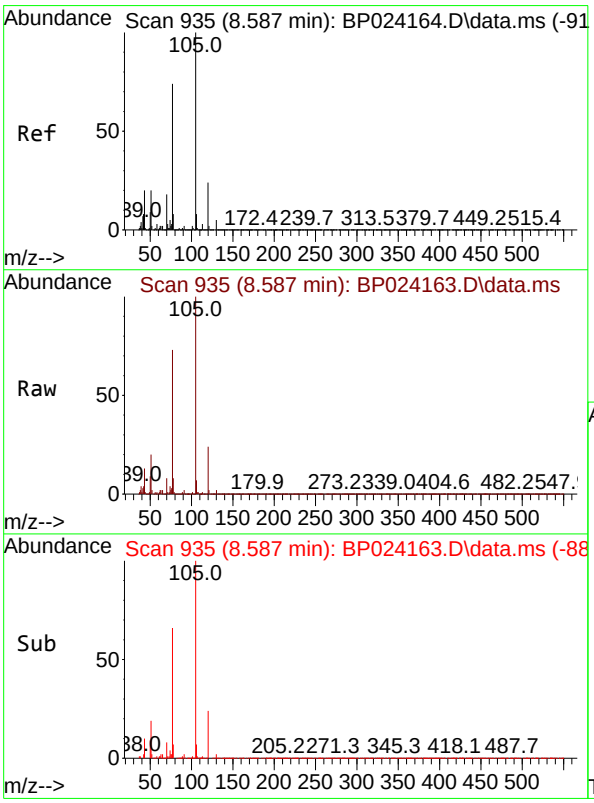

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:136 Resp: 1479701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 9.0 | 13.4 |
| 54 | 6.7 | 5.3 | 7.9 |
| 68 | 6.3 | 5.0 | 7.4 |

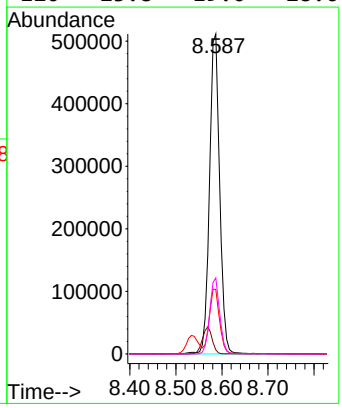


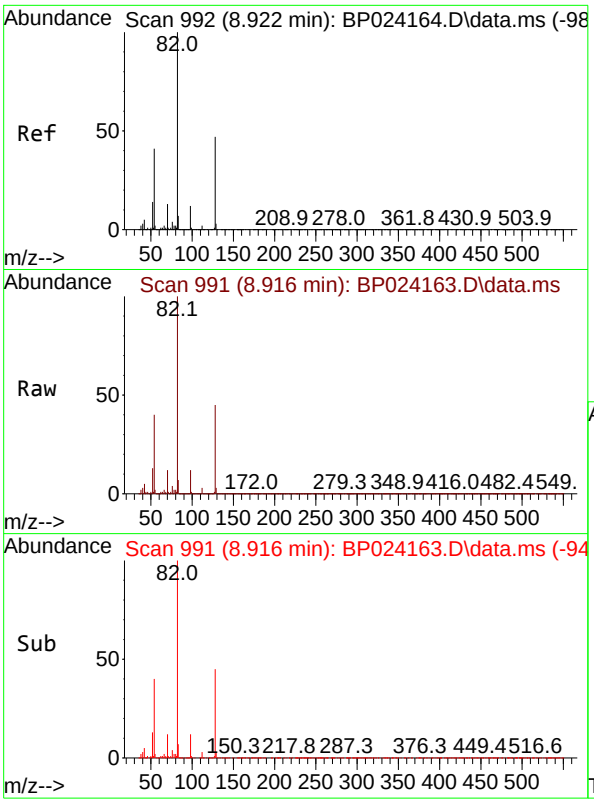




#22
Acetophenone
Concen: 20.677 ng
RT: 8.587 min Scan# 935
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:105 Resp: 786239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 1.3 | 2.4 | 3.6# |
| 51 | 20.2 | 16.2 | 24.2 |
| 120 | 23.8 | 19.0 | 28.6 |



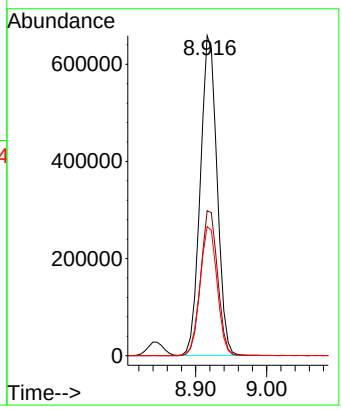


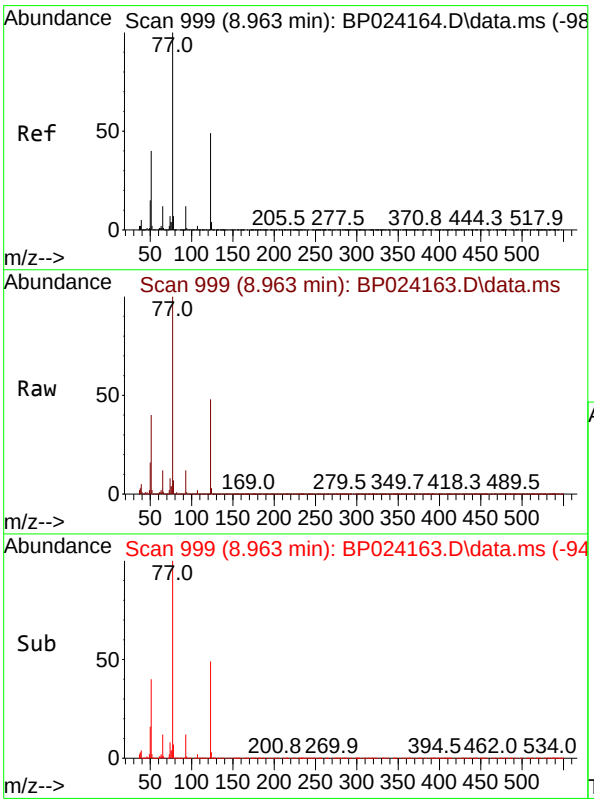

#23
Nitrobenzene-d5
Concen: 40.785 ng
RT: 8.916 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion: 82 Resp: 1081750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.3 | 37.4 | 56.0 |
| 54 | 40.3 | 32.5 | 48.7 |

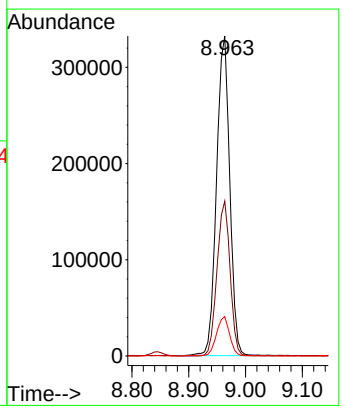


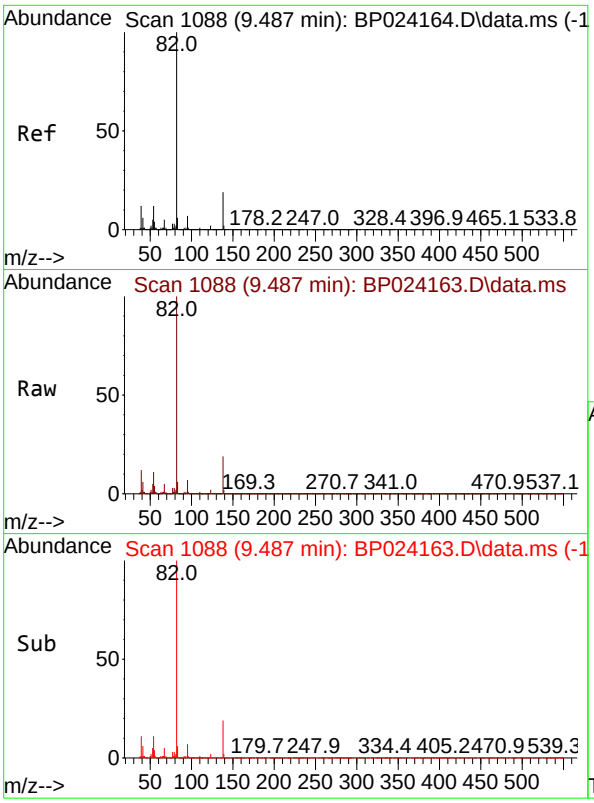




#24
Nitrobenzene
Concen: 20.529 ng
RT: 8.963 min Scan# 999
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion: 77 Resp: 535855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 48.4 | 39.4 | 59.2 |
| 65 | 12.3 | 9.9 | 14.9 |



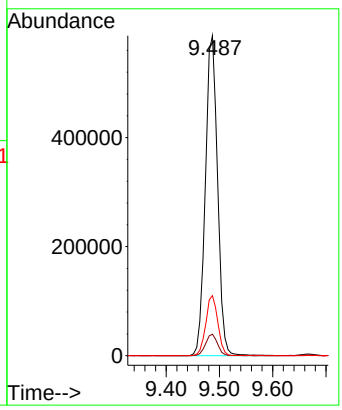


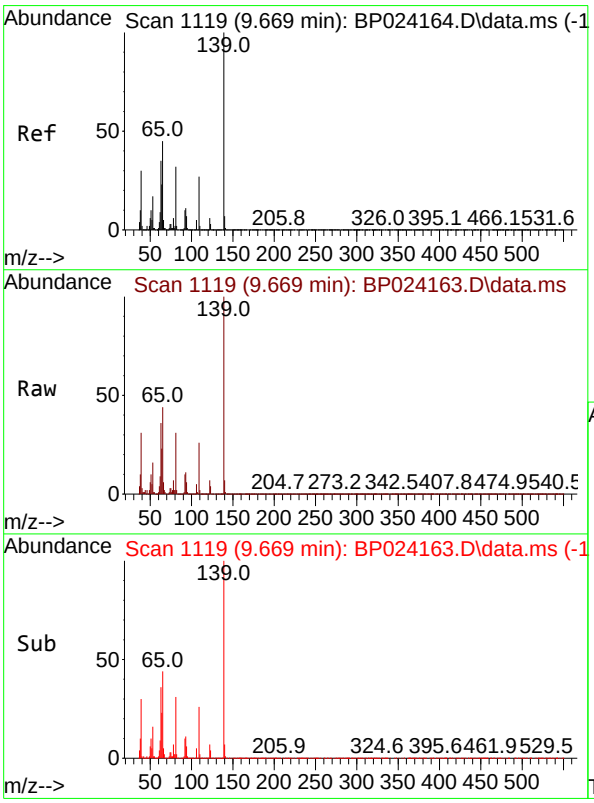

#25
Isophorone
Concen: 21.523 ng
RT: 9.487 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion: 82 Resp: 933509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.7 | 5.3 | 7.9 |
| 138 | 18.8 | 14.8 | 22.2 |

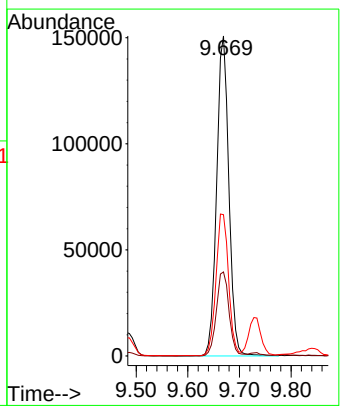


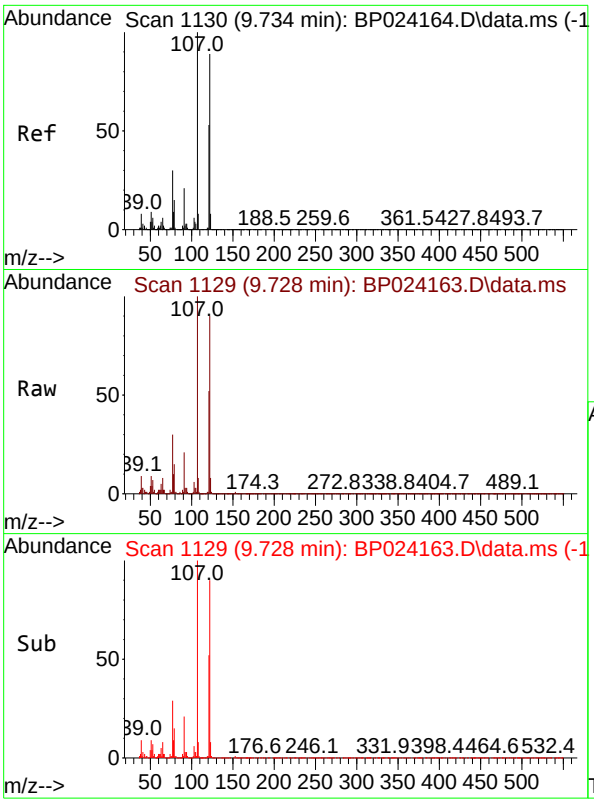




#26
2-Nitrophenol
Concen: 20.534 ng
RT: 9.669 min Scan# 1119
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:139 Resp: 246943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 26.2 | 21.7 | 32.5 |
| 65 | 44.2 | 35.8 | 53.8 |



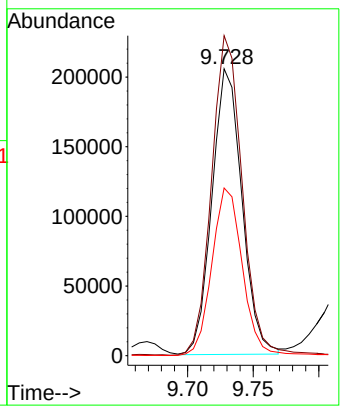


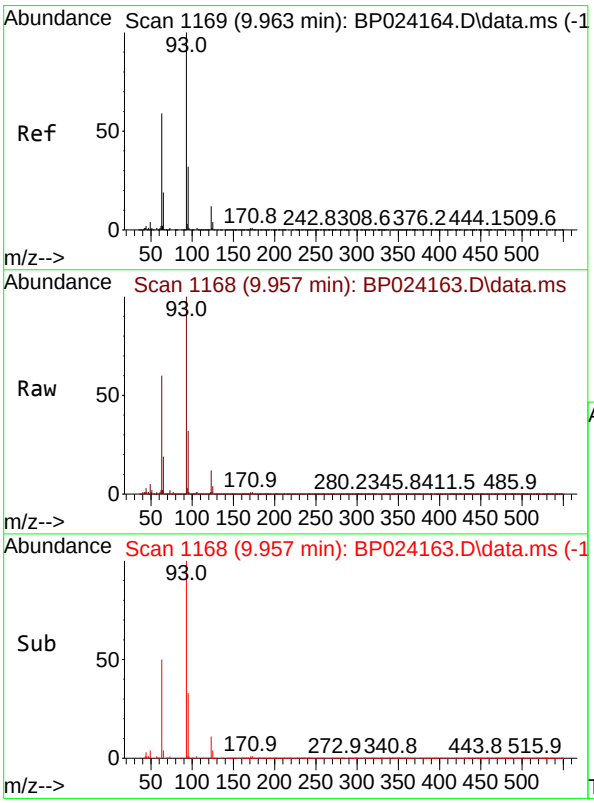

#27
2,4-Dimethylphenol
Concen: 20.646 ng
RT: 9.728 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:122 Resp: 325916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 111.6 | 89.3 | 133.9 |
| 121 | 58.5 | 47.5 | 71.3 |

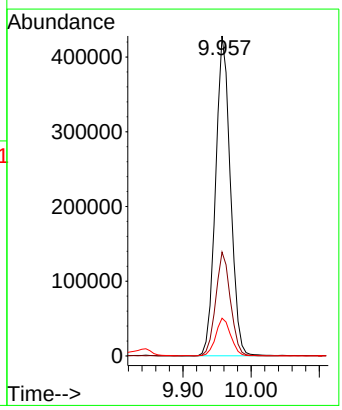


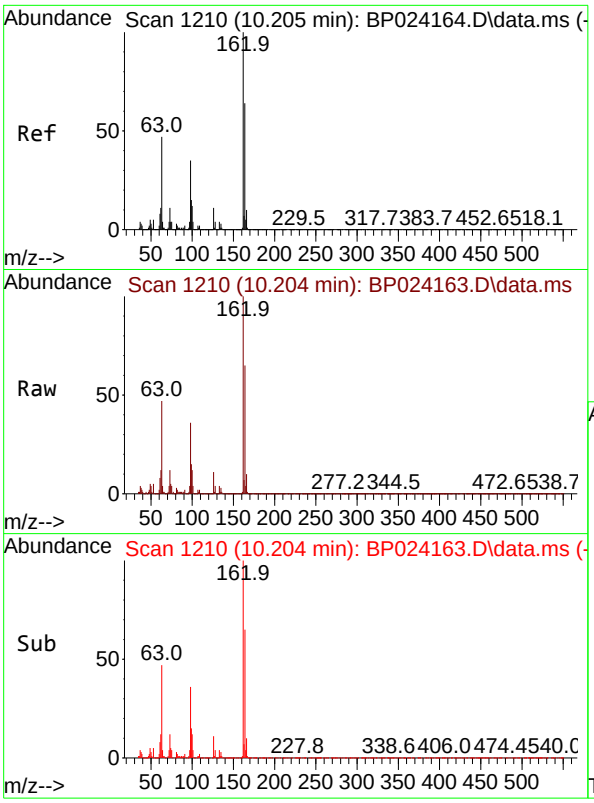




#28
bis(2-Chloroethoxy)methane
Concen: 20.649 ng
RT: 9.957 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion: 93 Resp: 648792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.4 | 25.9 | 38.9 |
| 123 | 11.8 | 9.5 | 14.3 |



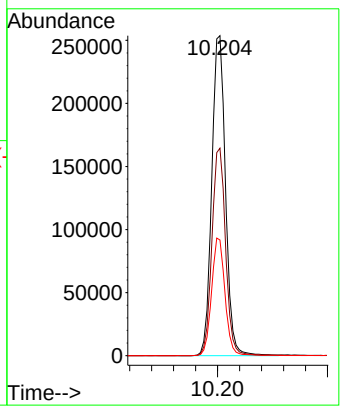


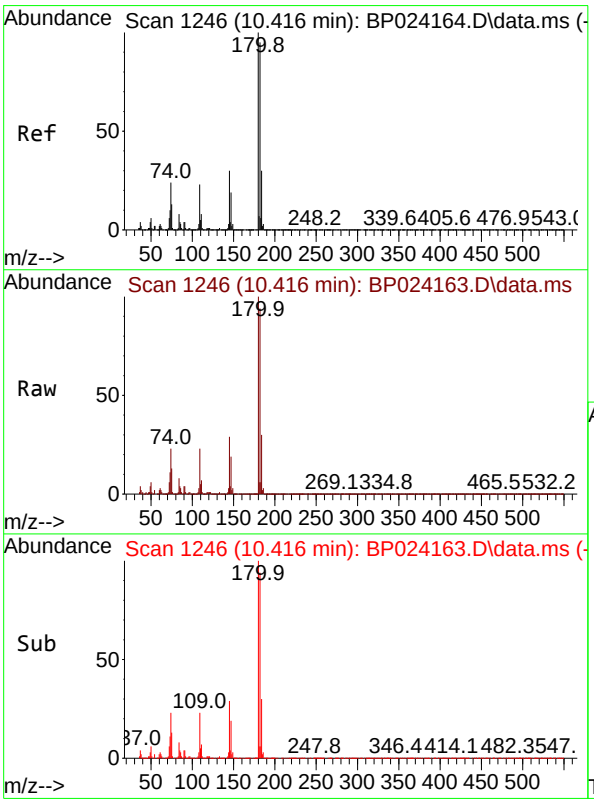

#29
2,4-Dichlorophenol
Concen: 20.457 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:162 Resp: 440705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.9 | 44.2 | 84.2 |
| 98 | 36.2 | 15.1 | 55.1 |

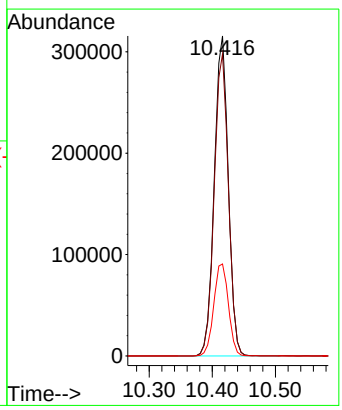


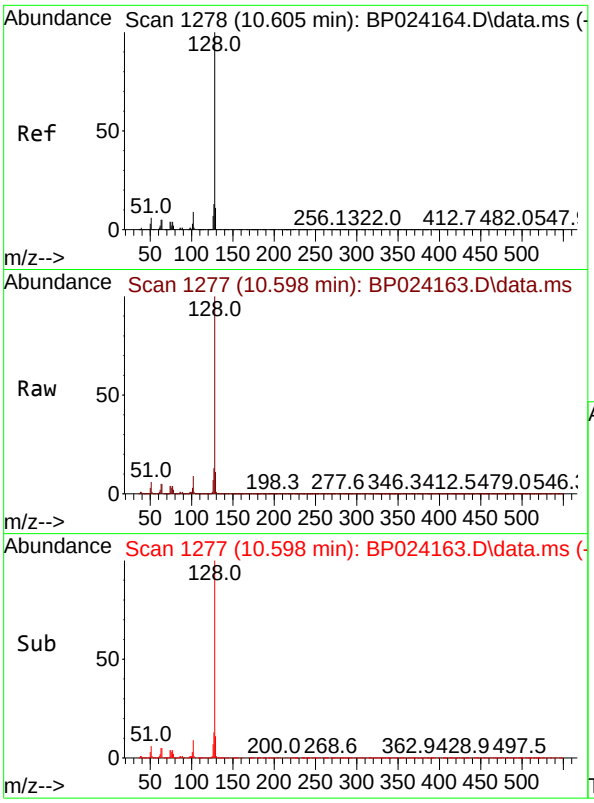




#30
1,2,4-Trichlorobenzene
Concen: 19.702 ng
RT: 10.416 min Scan# 1246
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:180 Resp: 486293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.3 | 76.1 | 114.1 |
| 145 | 28.7 | 24.2 | 36.2 |



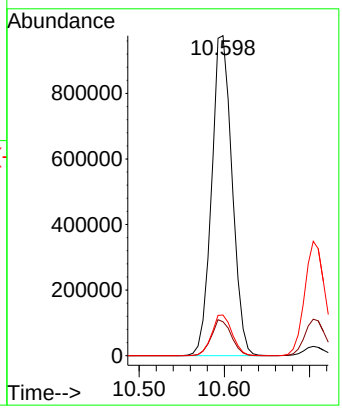


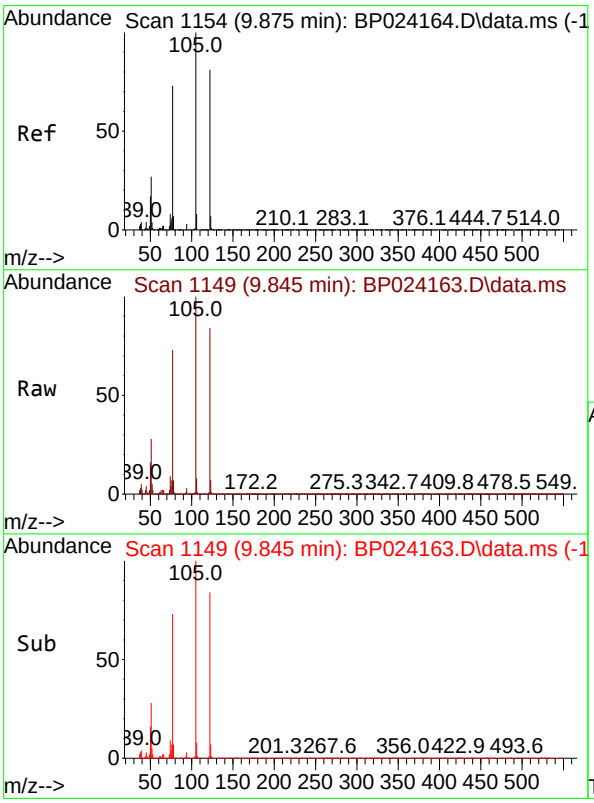

#31
Naphthalene
Concen: 20.436 ng
RT: 10.598 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:128 Resp: 1625925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.6 | 8.7 | 13.1 |
| 127 | 12.7 | 10.4 | 15.6 |

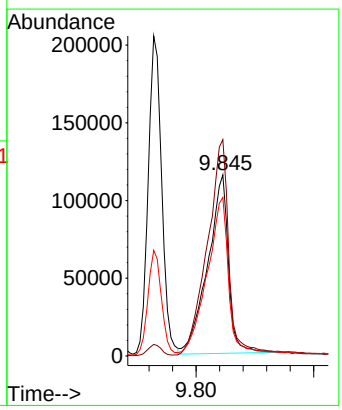


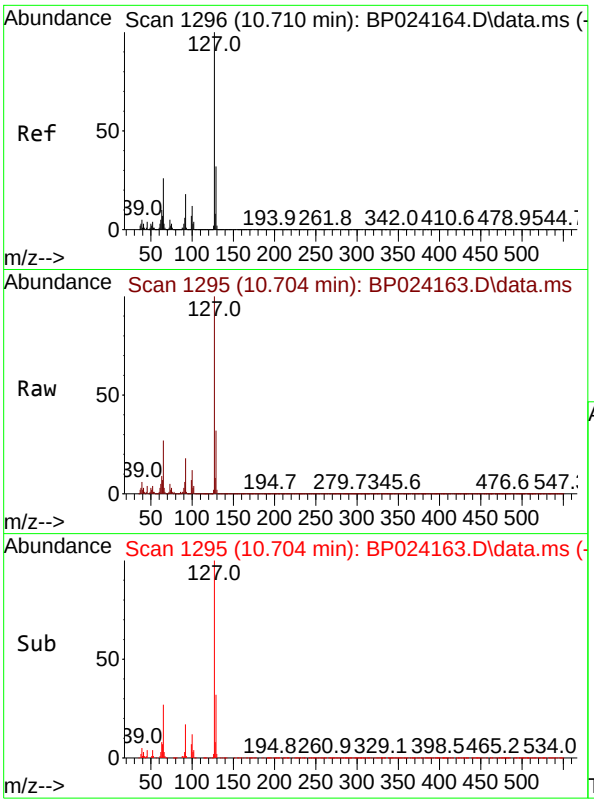




#32
Benzoic acid
Concen: 19.396 ng
RT: 9.845 min Scan# 1149
Delta R.T. -0.030 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:122 Resp: 280702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 119.4 | 100.3 | 140.3 |
| 77 | 87.5 | 69.1 | 109.1 |



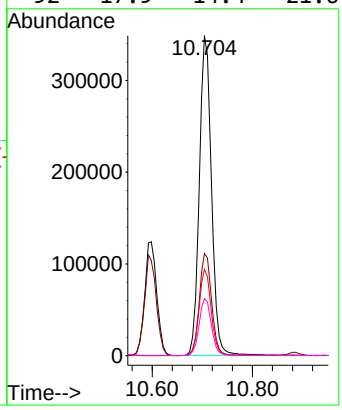


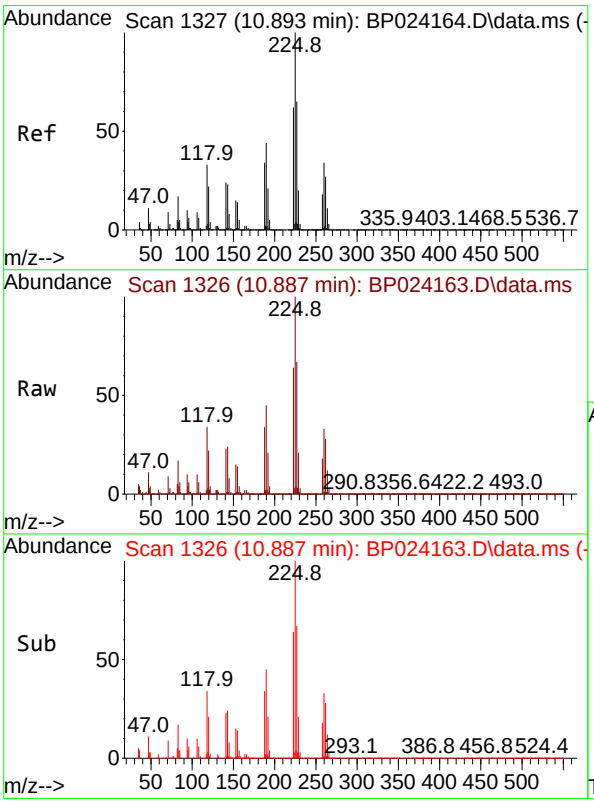

#33
4-Chloroaniline
Concen: 20.980 ng
RT: 10.704 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:127 Resp: 588052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.9 | 25.8 | 38.6 |
| 65 | 27.0 | 21.2 | 31.8 |
| 92 | 17.9 | 14.4 | 21.6 |

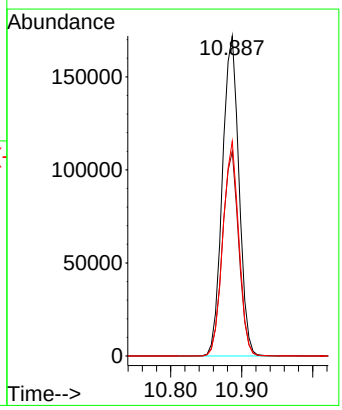


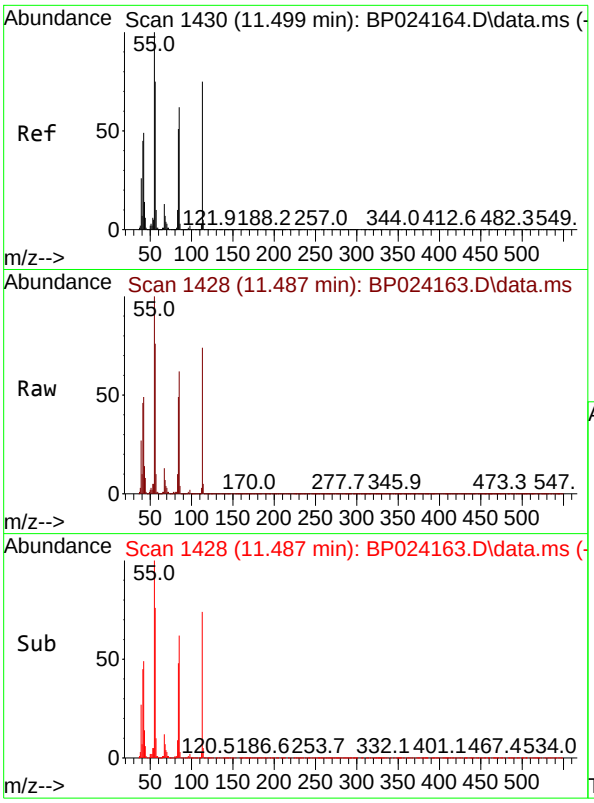




#34
Hexachlorobutadiene
Concen: 19.369 ng
RT: 10.887 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:225 Resp: 276905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.9 | 49.9 | 74.9 |
| 227 | 67.1 | 52.2 | 78.2 |



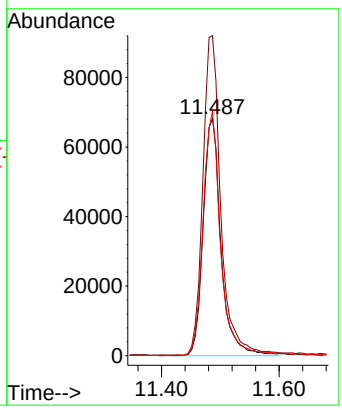


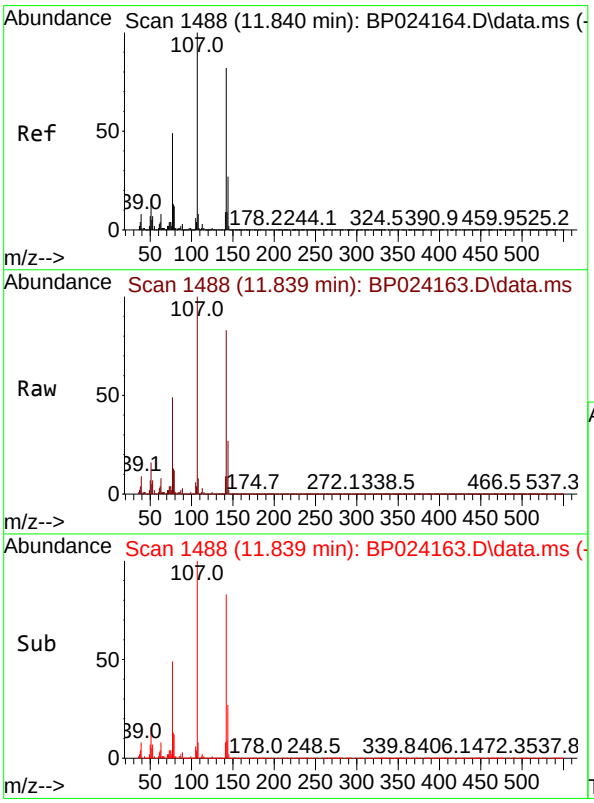

#35
Caprolactam
Concen: 21.924 ng
RT: 11.487 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:113 Resp: 143023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 134.9 | 113.6 | 153.6 |
| 56 | 102.9 | 80.0 | 120.0 |

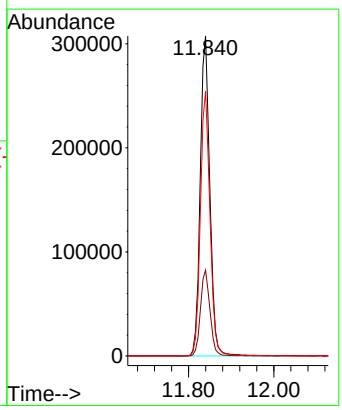


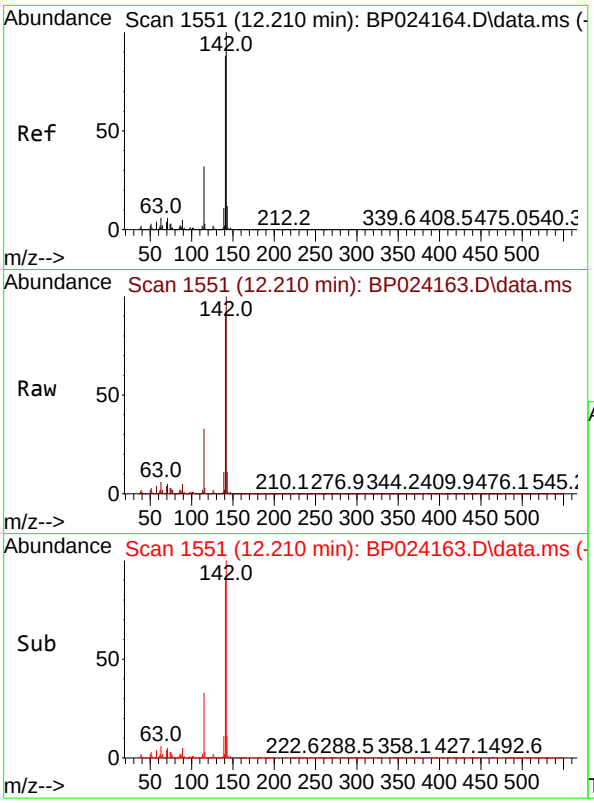




#36
4-Chloro-3-methylphenol
Concen: 21.674 ng
RT: 11.839 min Scan# 1488
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:107 Resp: 479996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.8 | 21.6 | 32.4 |
| 142 | 82.7 | 65.4 | 98.0 |



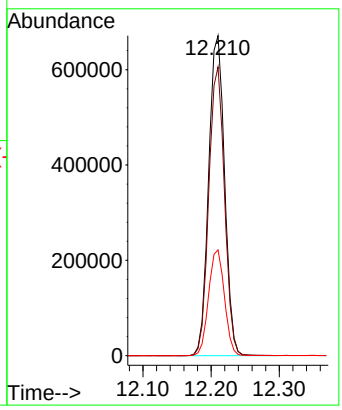


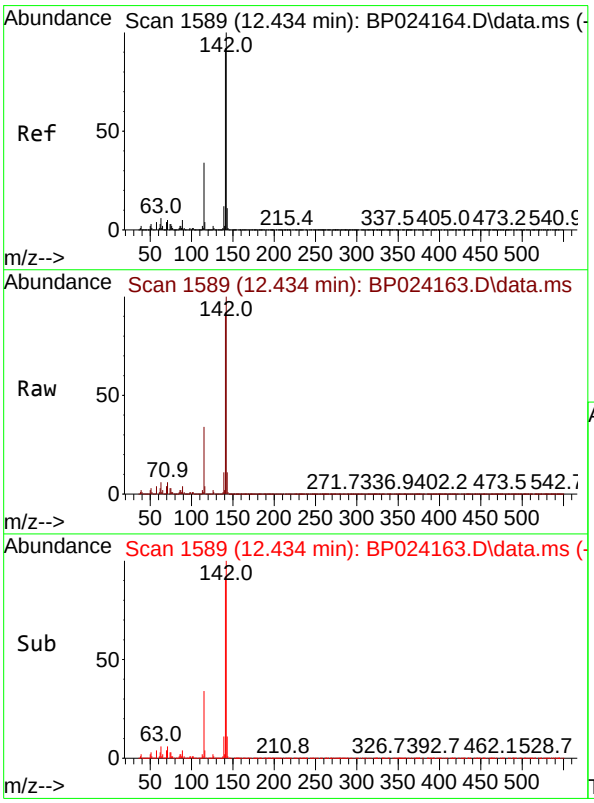

#37
2-Methylnaphthalene
Concen: 20.630 ng
RT: 12.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:142 Resp: 1090957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.2 | 70.3 | 105.5 |
| 115 | 33.1 | 26.0 | 39.0 |

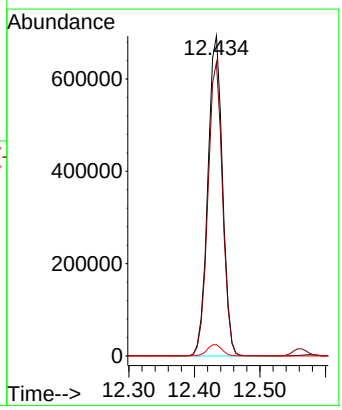


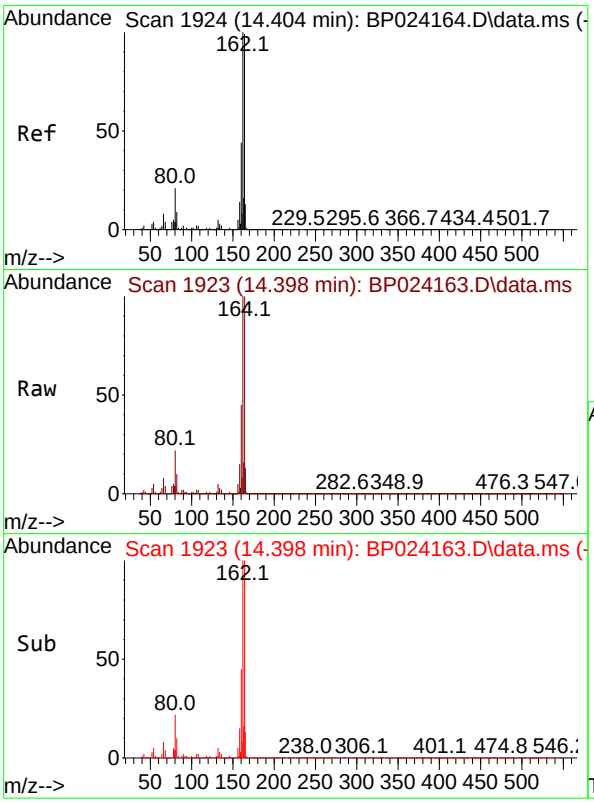




#38
1-Methylnaphthalene
Concen: 20.936 ng
RT: 12.434 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:142 Resp: 1077045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.7 | 73.9 | 110.9 |
| 116 | 3.6 | 2.8 | 4.2 |



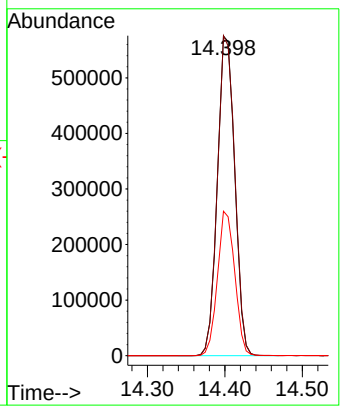


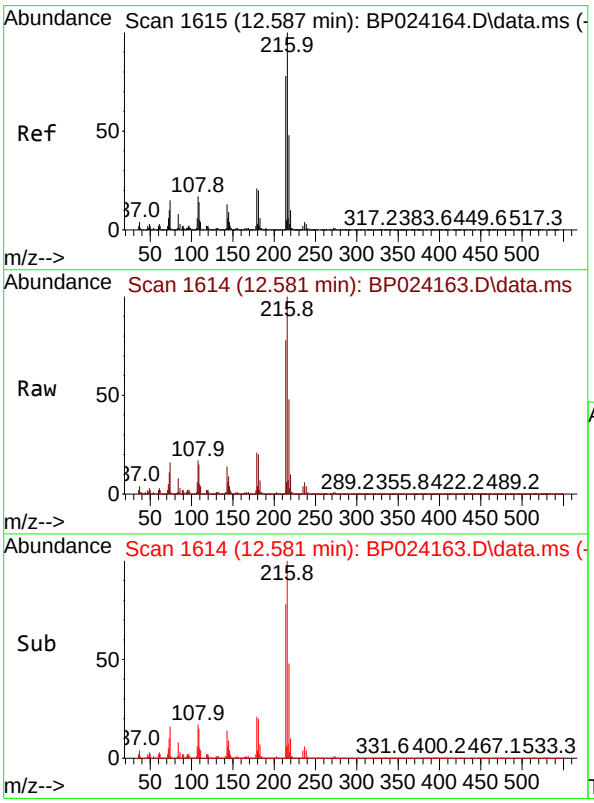

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:164 Resp: 895871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.1 | 80.6 | 121.0 |
| 160 | 45.2 | 35.4 | 53.2 |

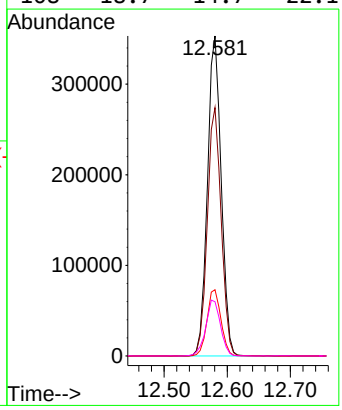


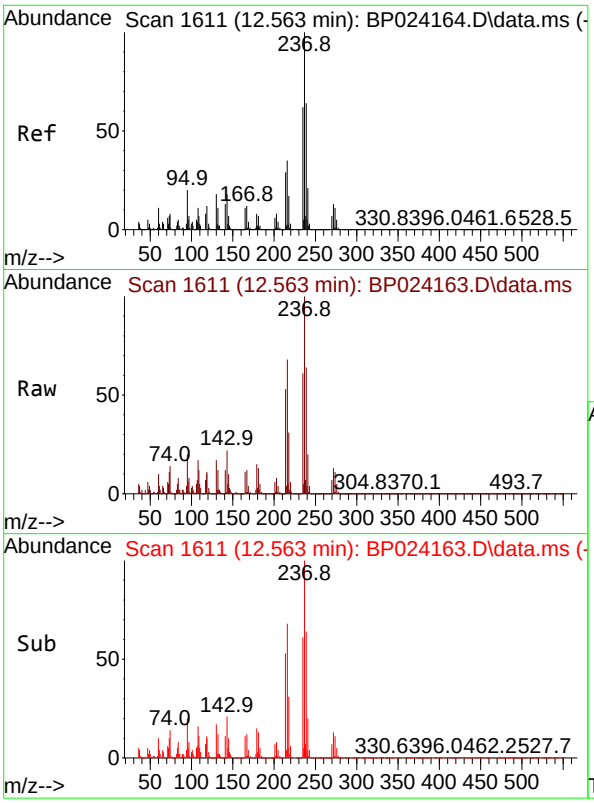




#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.394 ng
RT: 12.581 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:216 Resp: 533843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.2 | 62.8 | 94.2 |
| 179 | 21.0 | 16.8 | 25.2 |
| 108 | 18.7 | 14.7 | 22.1 |



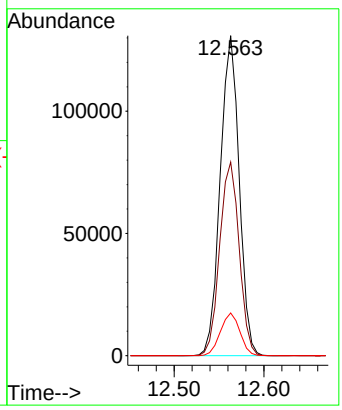


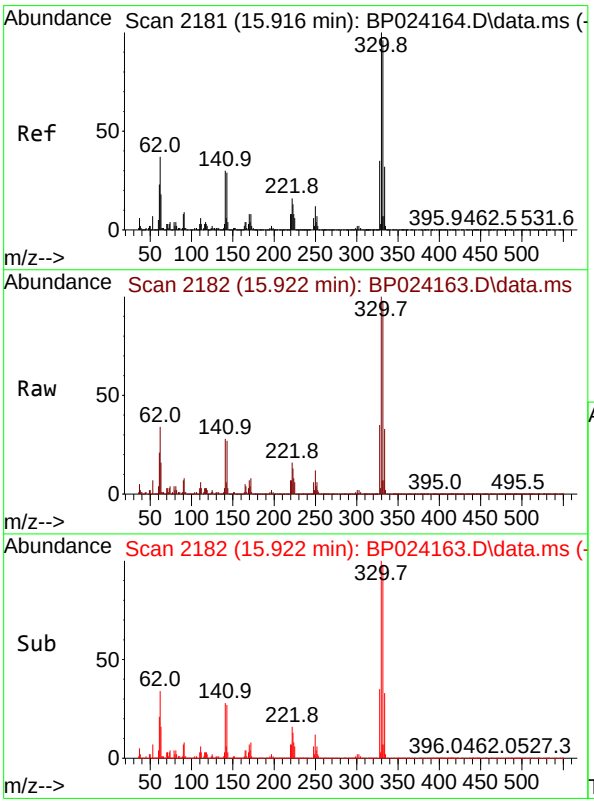

#41
Hexachlorocyclopentadiene
Concen: 18.697 ng
RT: 12.563 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:237 Resp: 191514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 60.5 | 41.8 | 81.8 |
| 272 | 13.3 | 0.0 | 33.5 |

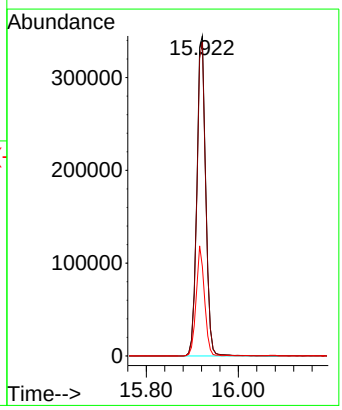


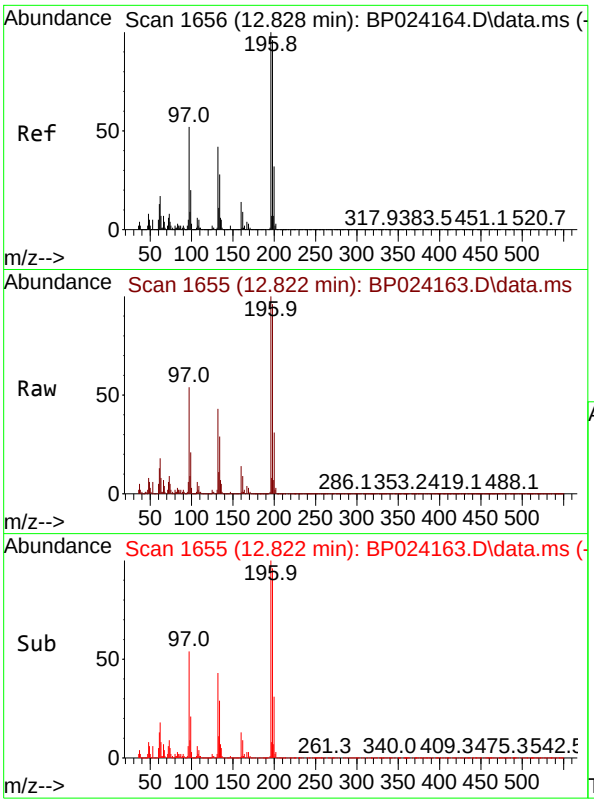




#42
2,4,6-Tribromophenol
Concen: 41.861 ng
RT: 15.922 min Scan# 2182
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:330 Resp: 459354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.6 | 77.6 | 116.4 |
| 141 | 32.3 | 25.0 | 37.6 |



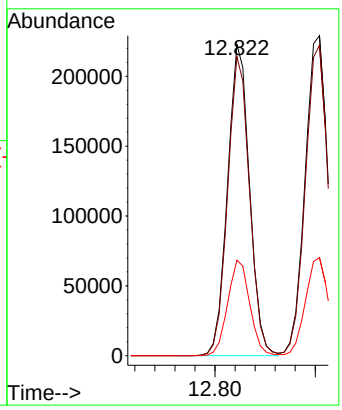


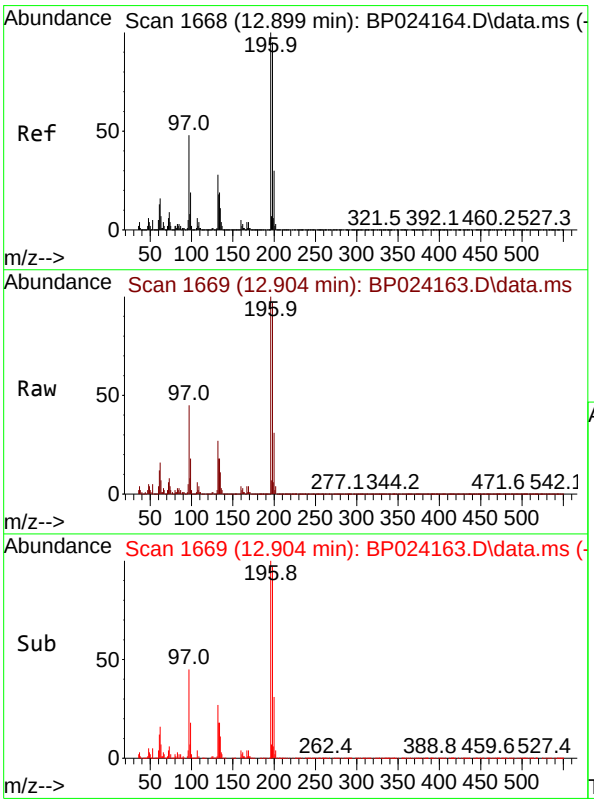

#43
2,4,6-Trichlorophenol
Concen: 20.216 ng
RT: 12.822 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:196 Resp: 339357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.1 | 76.6 | 115.0 |
| 200 | 30.7 | 25.4 | 38.0 |

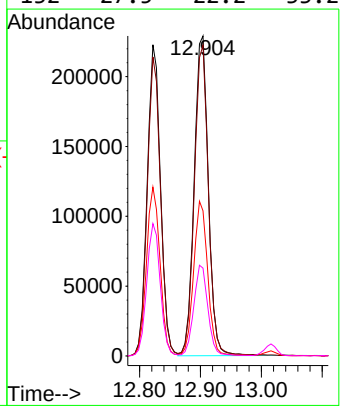


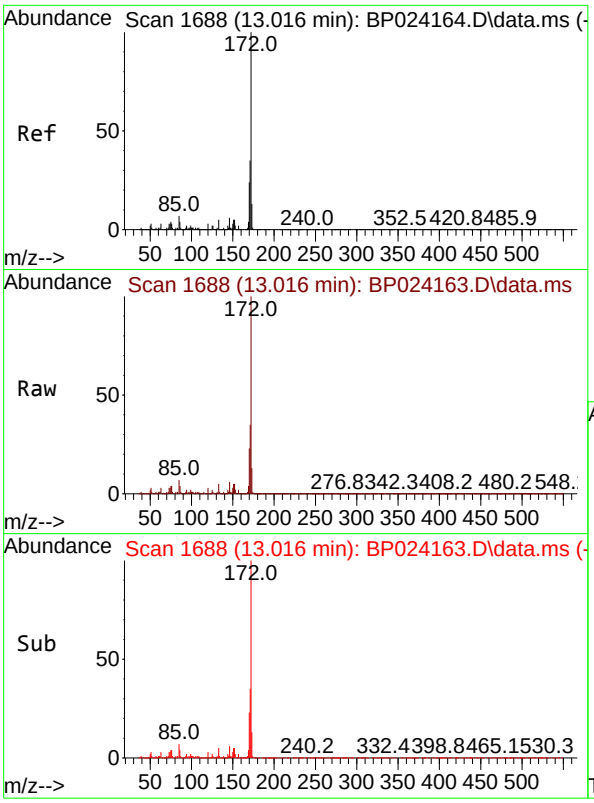




#44
2,4,5-Trichlorophenol
Concen: 20.184 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:196 Resp: 370561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 97.0 | 76.5 | 114.7 |
| 97 | 45.4 | 38.7 | 58.1 |
| 132 | 27.5 | 22.2 | 33.2 |



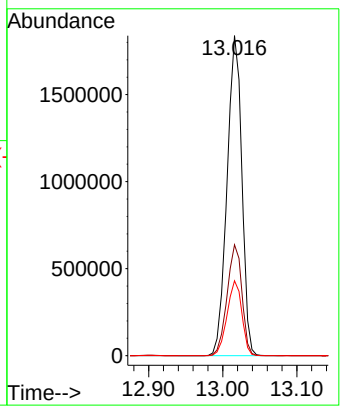


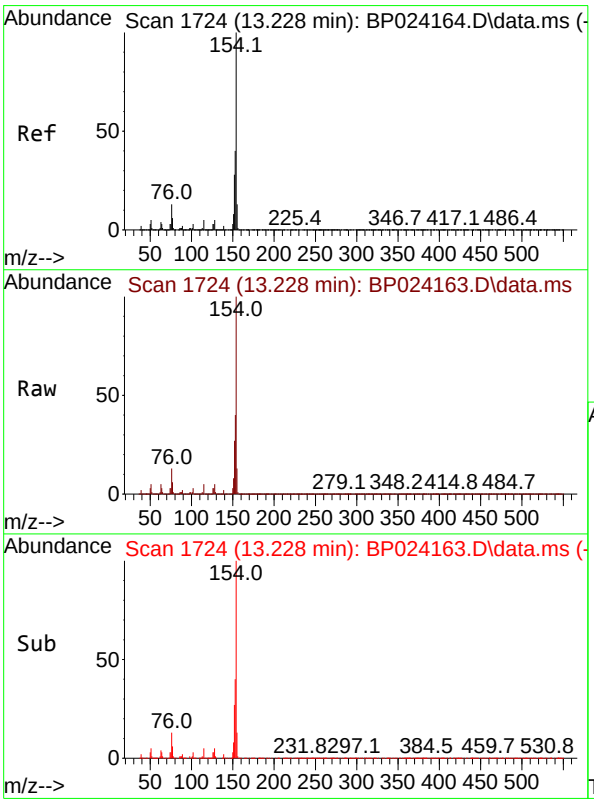

#45
2-Fluorobiphenyl
Concen: 39.695 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:172 Resp: 2543735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.7 | 28.3 | 42.5 |
| 170 | 23.4 | 19.0 | 28.4 |

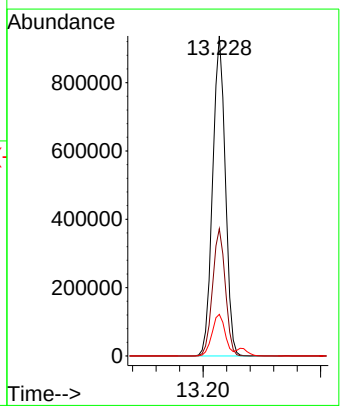


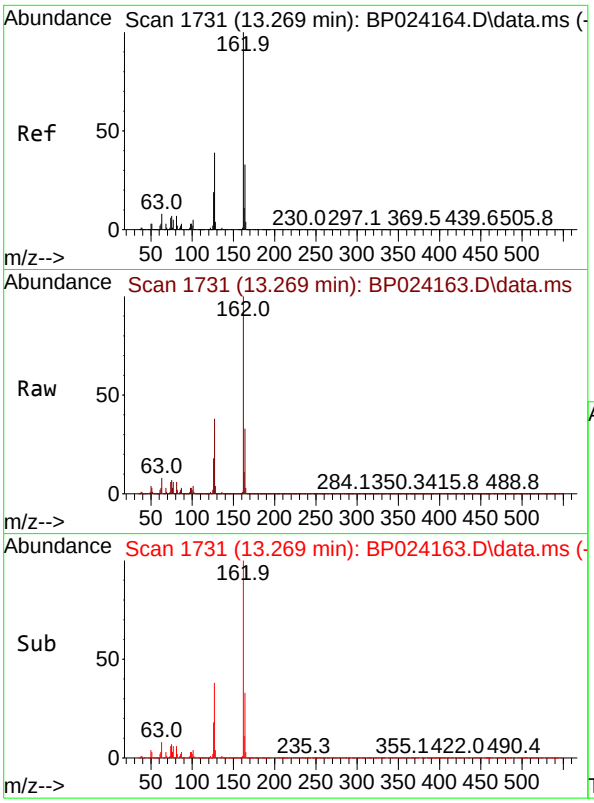




#46
1,1'-Biphenyl
Concen: 20.152 ng
RT: 13.228 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:154 Resp: 1402874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.7 | 20.3 | 60.3 |
| 76 | 13.0 | 0.0 | 32.9 |



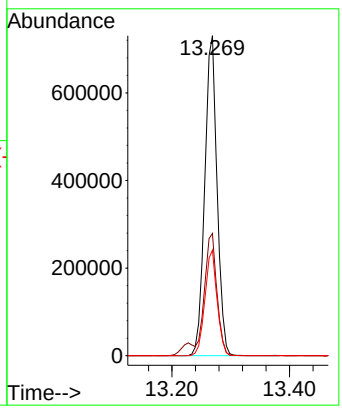


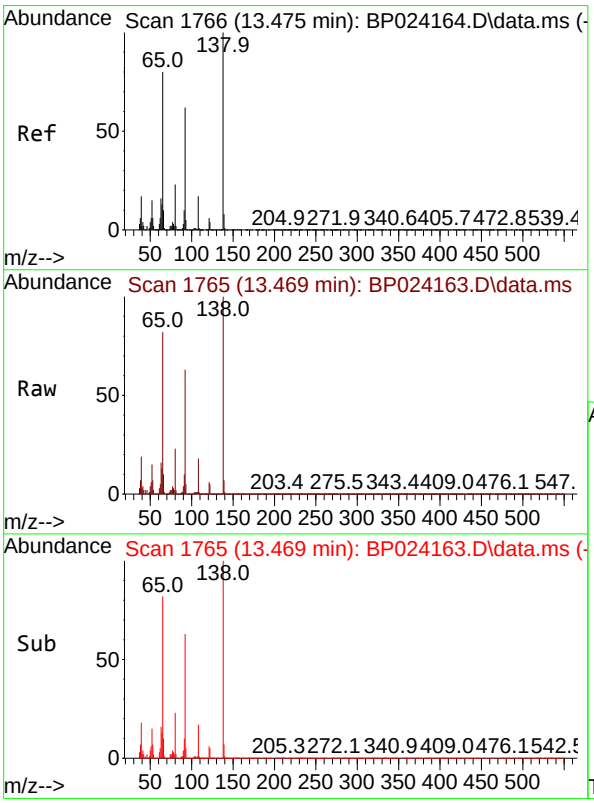

#47
2-Chloronaphthalene
Concen: 20.083 ng
RT: 13.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:162 Resp: 1056861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 38.2 | 31.5 | 47.3 |
| 164 | 33.0 | 26.6 | 39.8 |

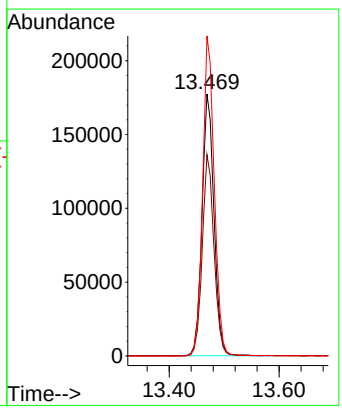


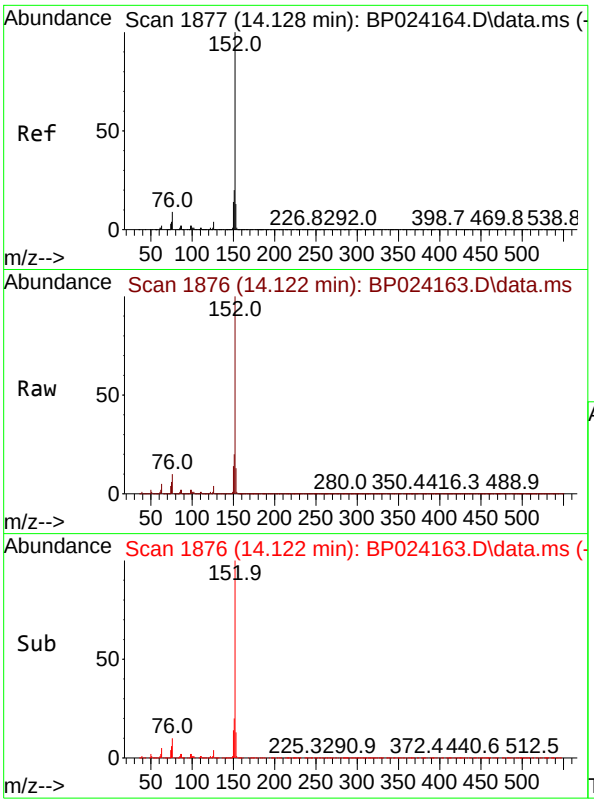




#48
2-Nitroaniline
Concen: 21.595 ng
RT: 13.469 min Scan# 1765
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion: 65 Resp: 268455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 76.8 | 62.1 | 93.1 |
| 138 | 122.2 | 99.5 | 149.3 |



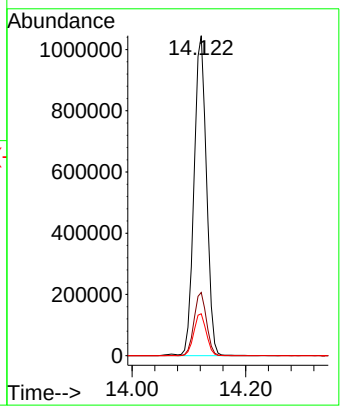


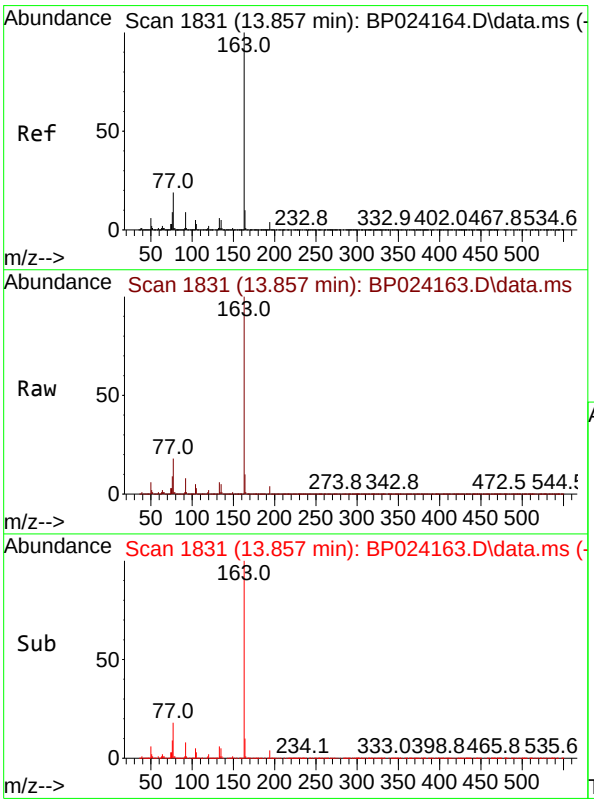

#49
Acenaphthylene
Concen: 20.517 ng
RT: 14.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:152 Resp: 1590772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 16.0 | 24.0 |
| 153 | 13.1 | 10.6 | 15.8 |

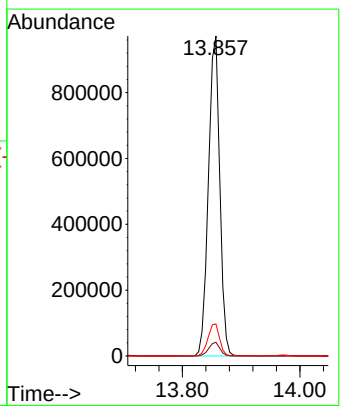


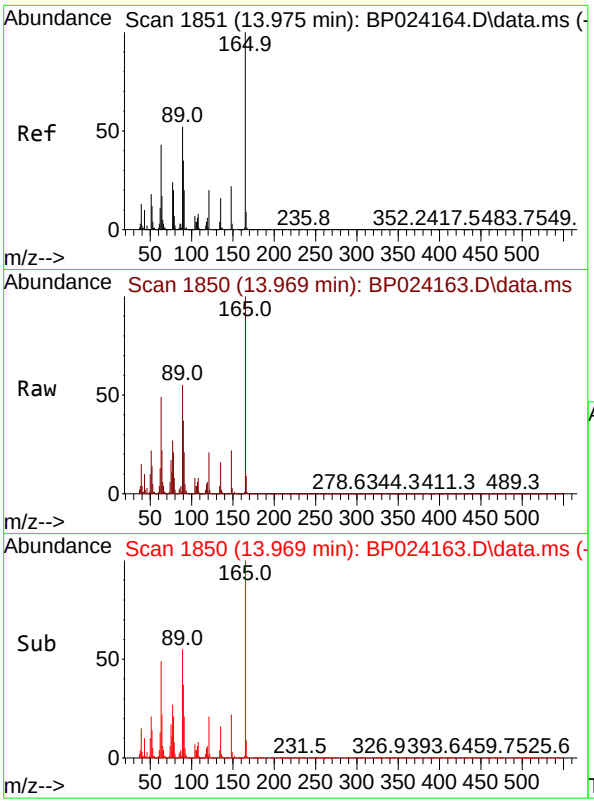




#50
Dimethylphthalate
Concen: 20.677 ng
RT: 13.857 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:163 Resp: 1306638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.4 | 5.0 |
| 164 | 10.0 | 8.2 | 12.4 |



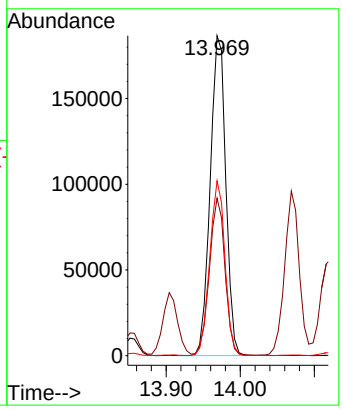


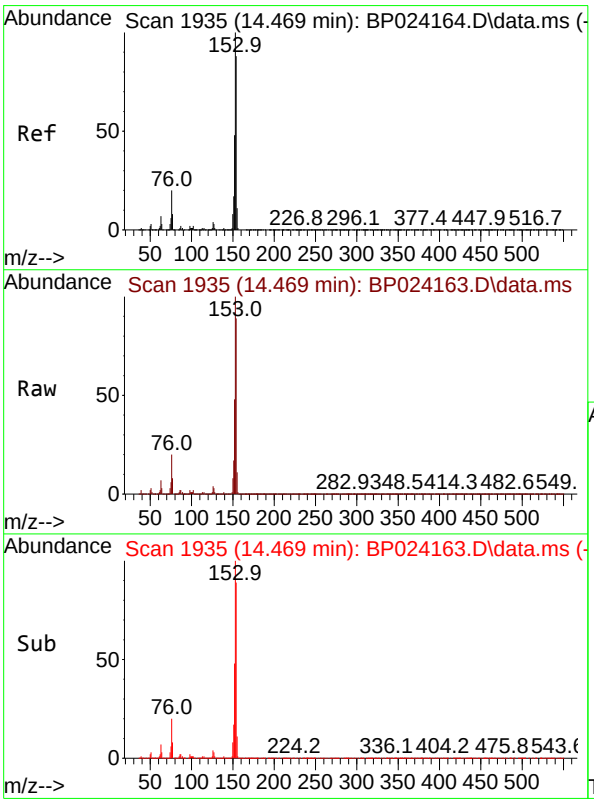

#51
2,6-Dinitrotoluene
Concen: 21.122 ng
RT: 13.969 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:165 Resp: 271891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 49.2 | 37.7 | 56.5 |
| 89 | 54.7 | 41.9 | 62.9 |

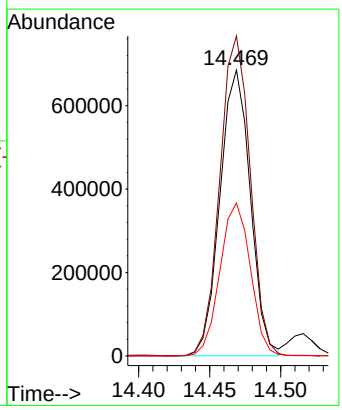


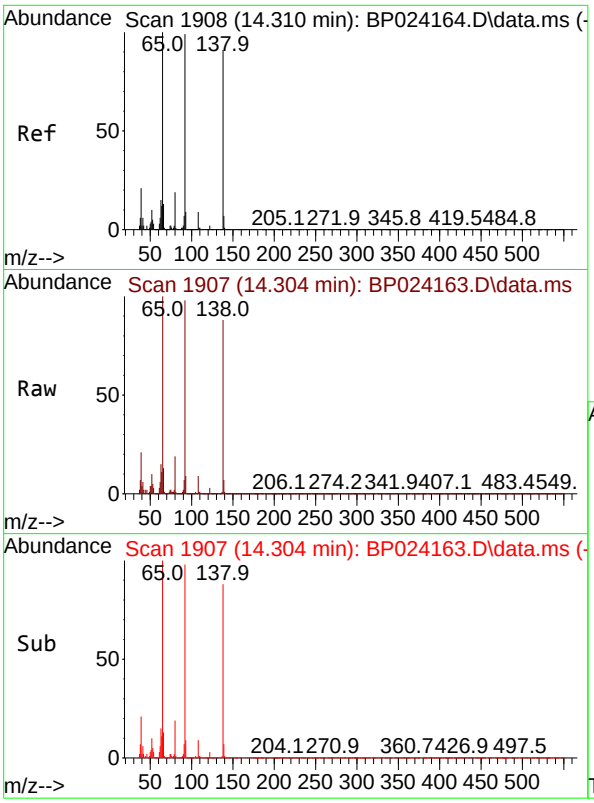




#52
Acenaphthene
Concen: 20.379 ng
RT: 14.469 min Scan# 1935
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:154 Resp: 1017503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.9 | 90.5 | 135.7 |
| 152 | 53.5 | 43.1 | 64.7 |



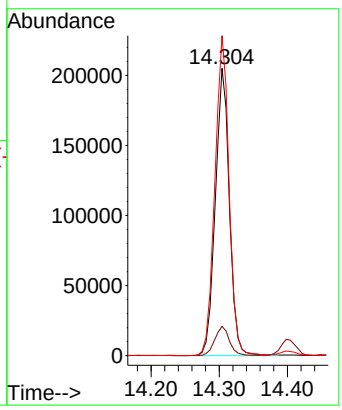


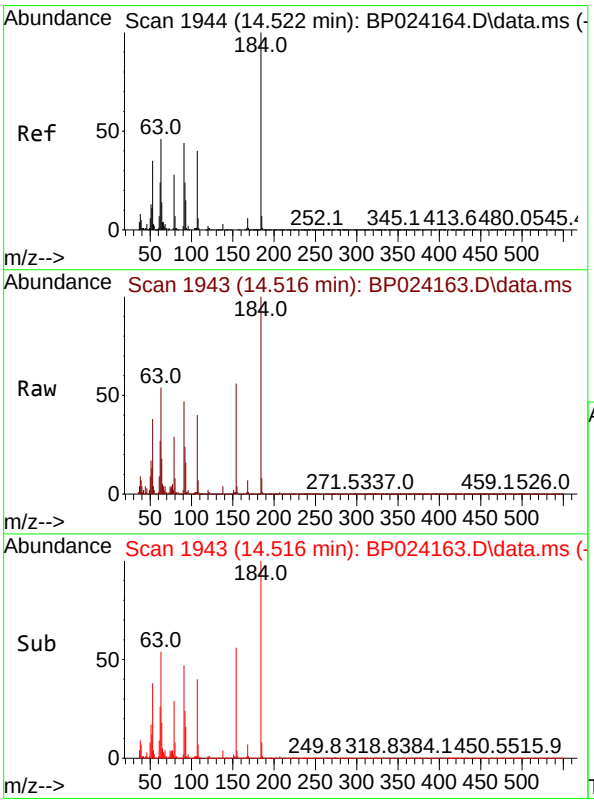

#53
3-Nitroaniline
Concen: 21.397 ng
RT: 14.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:138 Resp: 293921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.2 | 8.2 | 12.2 |
| 92 | 111.4 | 86.7 | 130.1 |

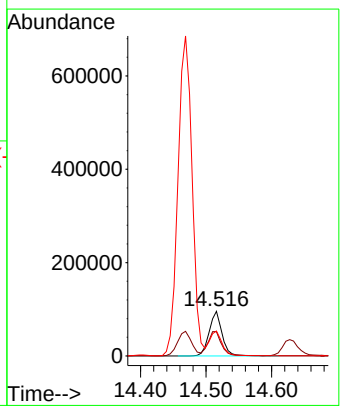


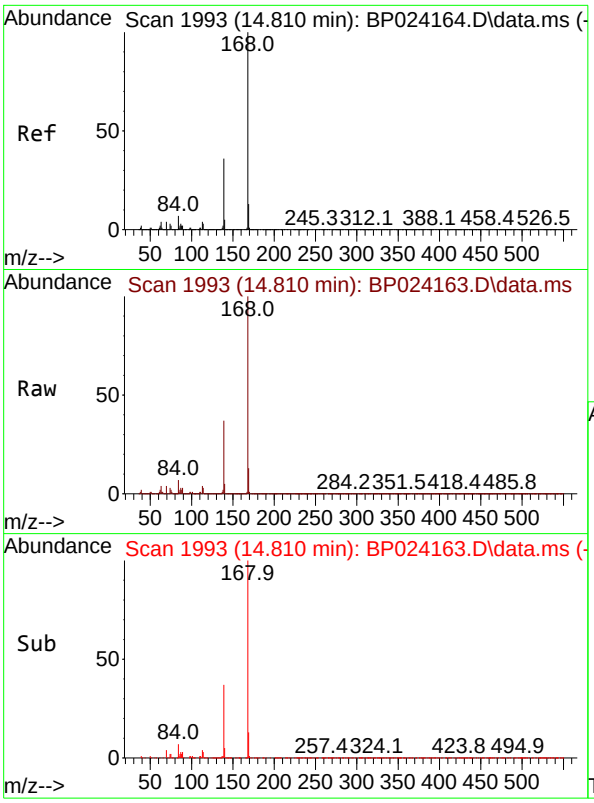




#54
2,4-Dinitrophenol
Concen: 19.074 ng
RT: 14.516 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:184 Resp: 130759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 54.4 | 42.1 | 63.1 |
| 154 | 56.0 | 44.6 | 67.0 |



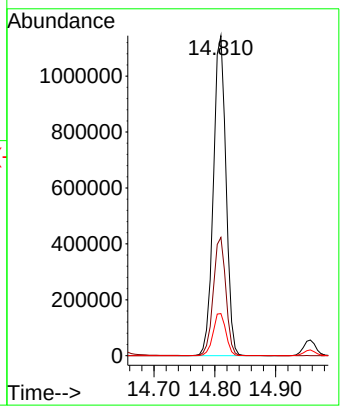


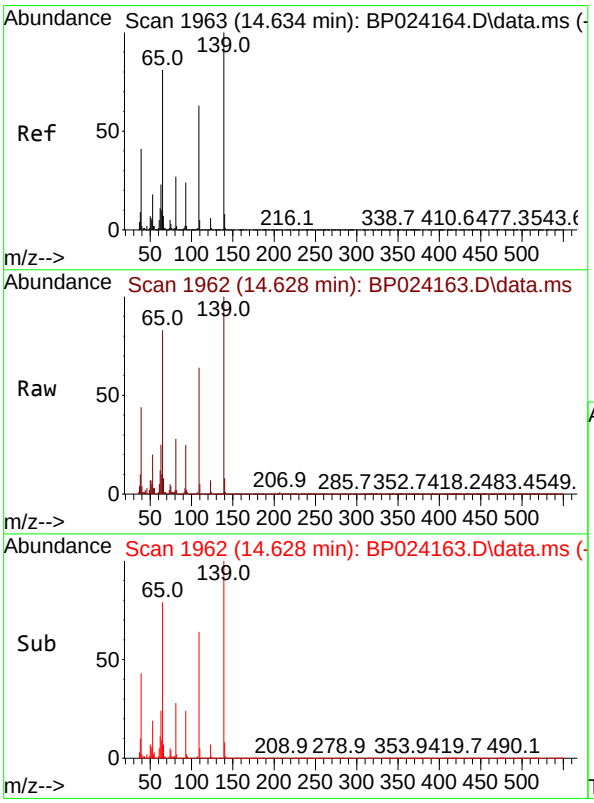

#55
Dibenzofuran
Concen: 20.264 ng
RT: 14.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:168 Resp: 1643604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.0 | 29.1 | 43.7 |
| 169 | 13.2 | 10.8 | 16.2 |

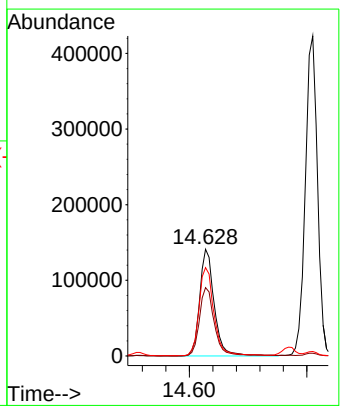


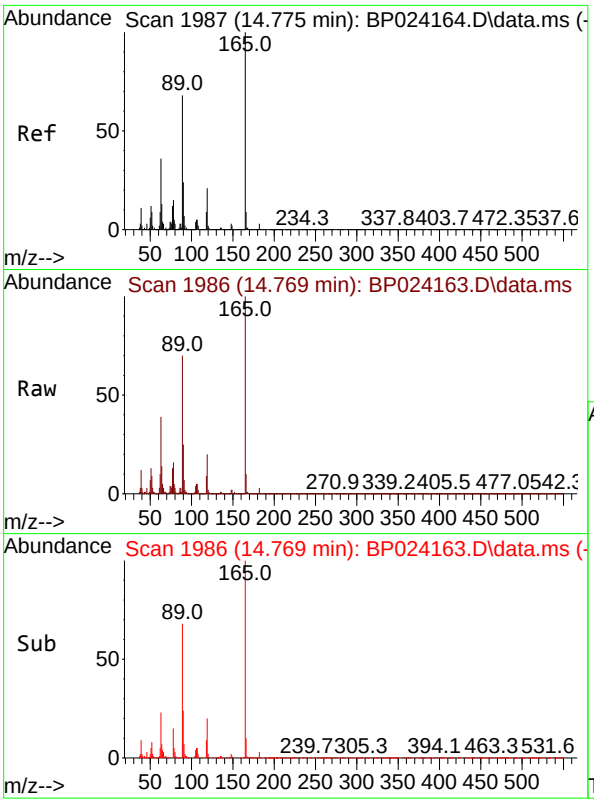




#56
4-Nitrophenol
Concen: 20.466 ng
RT: 14.628 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:139 Resp: 242843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 64.1 | 43.3 | 83.3 |
| 65 | 82.7 | 61.2 | 101.2 |



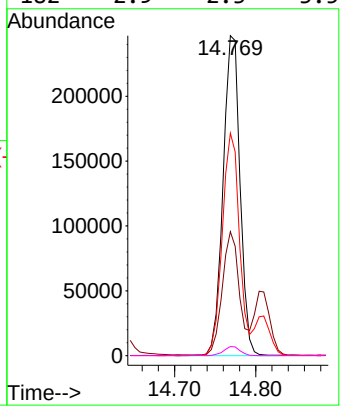


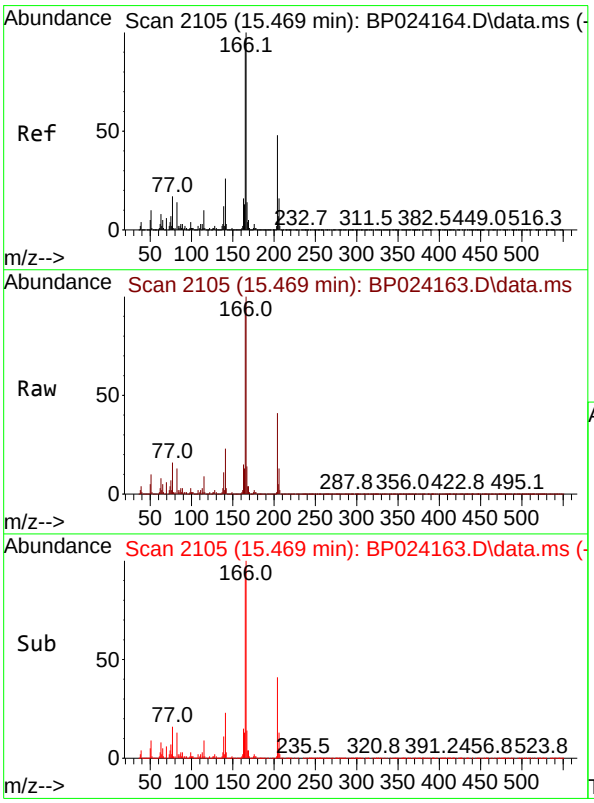

#57
2,4-Dinitrotoluene
Concen: 21.433 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:165 Resp: 358405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 38.7 | 29.0 | 43.6 |
| 89 | 69.6 | 54.2 | 81.4 |
| 182 | 2.9 | 2.3 | 3.5 |

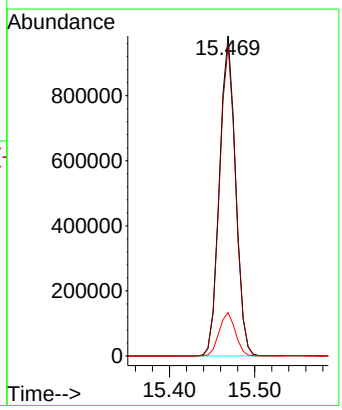


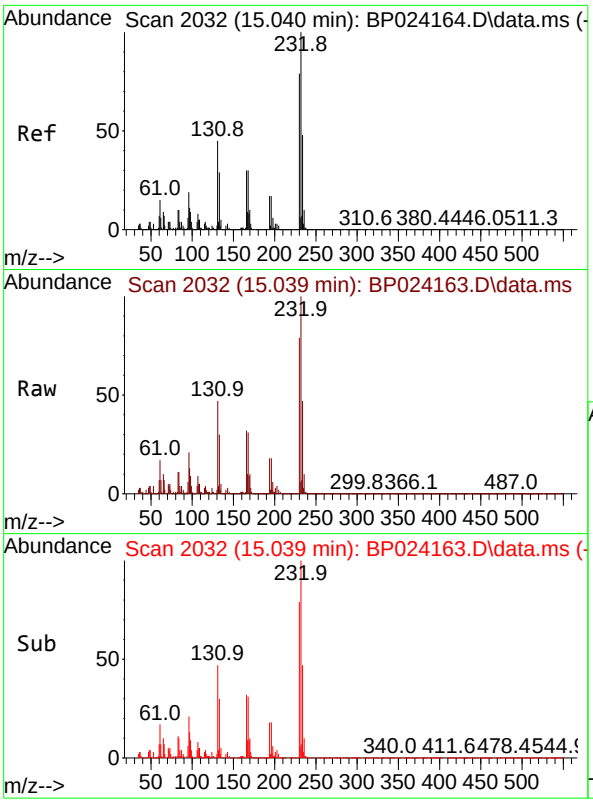




#58
Fluorene
Concen: 20.392 ng
RT: 15.469 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:166 Resp: 1291744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.1 | 77.6 | 116.4 |
| 167 | 13.5 | 10.8 | 16.2 |



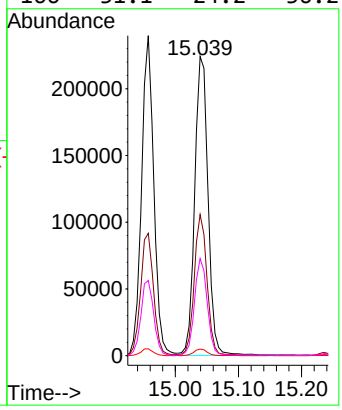


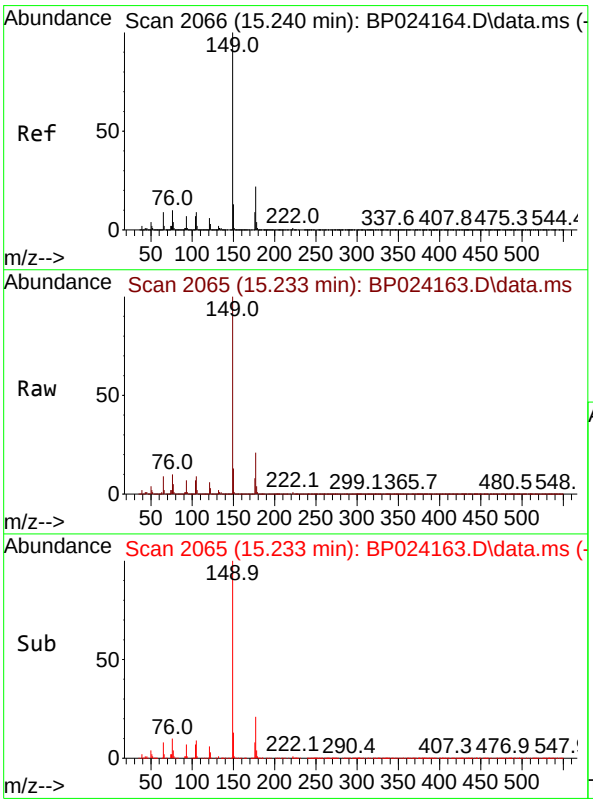

#59
2,3,4,6-Tetrachlorophenol
Concen: 20.514 ng
RT: 15.039 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:232 Resp: 326758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.3 | 35.9 | 53.9 |
| 130 | 2.3 | 1.8 | 2.6 |
| 166 | 31.1 | 24.2 | 36.2 |

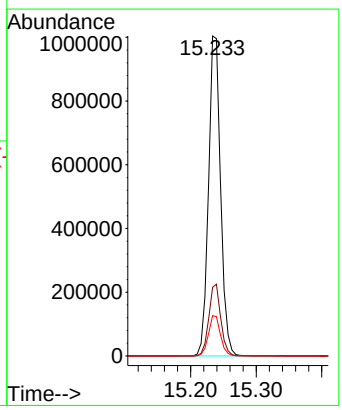


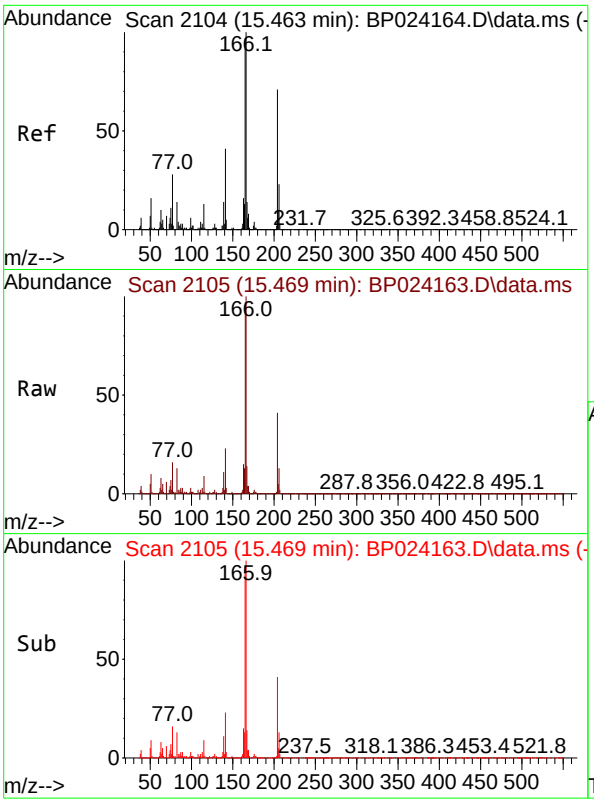




#60
Diethylphthalate
Concen: 20.524 ng
RT: 15.233 min Scan# 2065
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:149 Resp: 1287503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.5 | 17.7 | 26.5 |
| 150 | 12.6 | 10.2 | 15.4 |



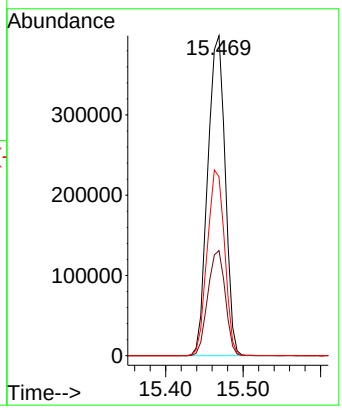


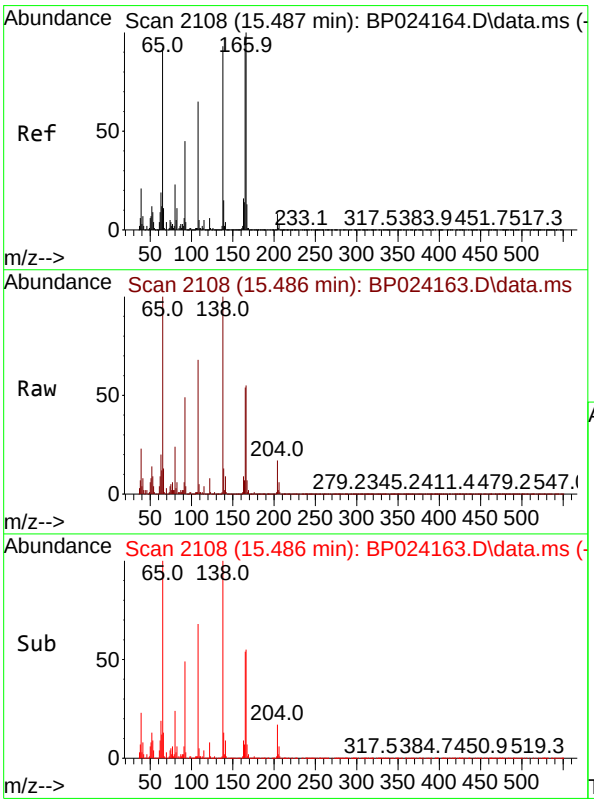

#61
4-Chlorophenyl-phenylether
Concen: 19.996 ng
RT: 15.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:204 Resp: 623454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.8 | 26.4 | 39.6 |
| 141 | 55.9 | 45.8 | 68.8 |

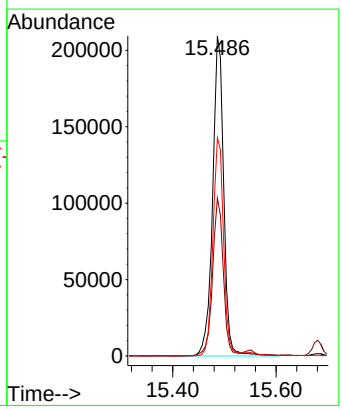


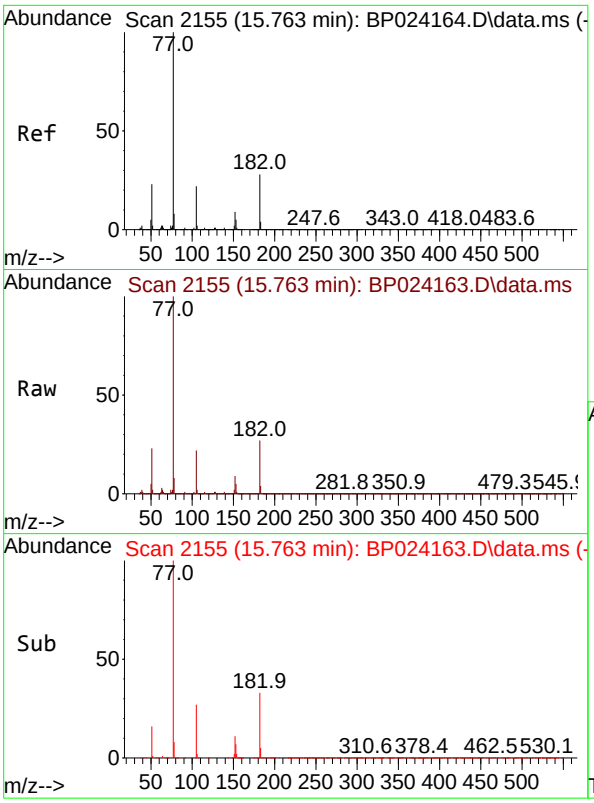




#62
4-Nitroaniline
Concen: 21.841 ng
RT: 15.486 min Scan# 2108
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:138 Resp: 311347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.3 | 28.7 | 68.7 |
| 108 | 68.2 | 49.5 | 89.5 |



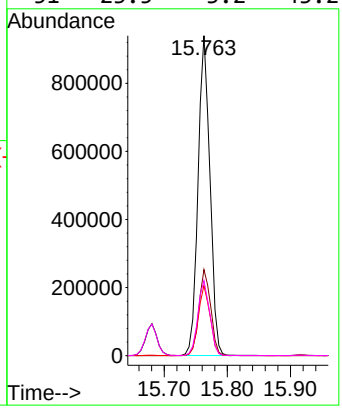


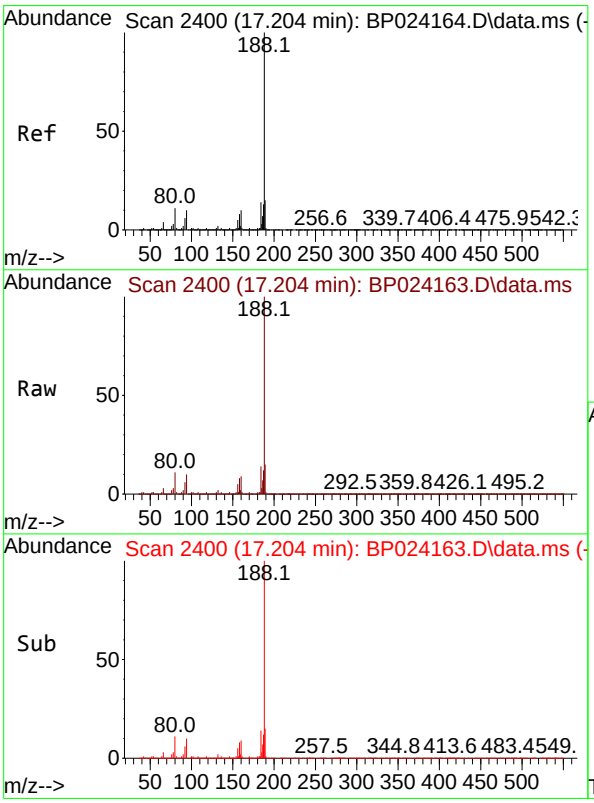

#63
Azobenzene
Concen: 20.864 ng
RT: 15.763 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion: 77 Resp: 1226441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.9 | 7.7 | 47.7 |
| 105 | 21.9 | 2.3 | 42.3 |
| 51 | 23.5 | 3.2 | 43.2 |

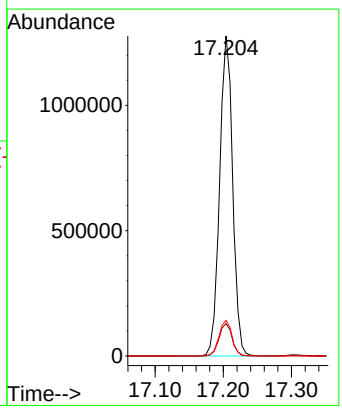


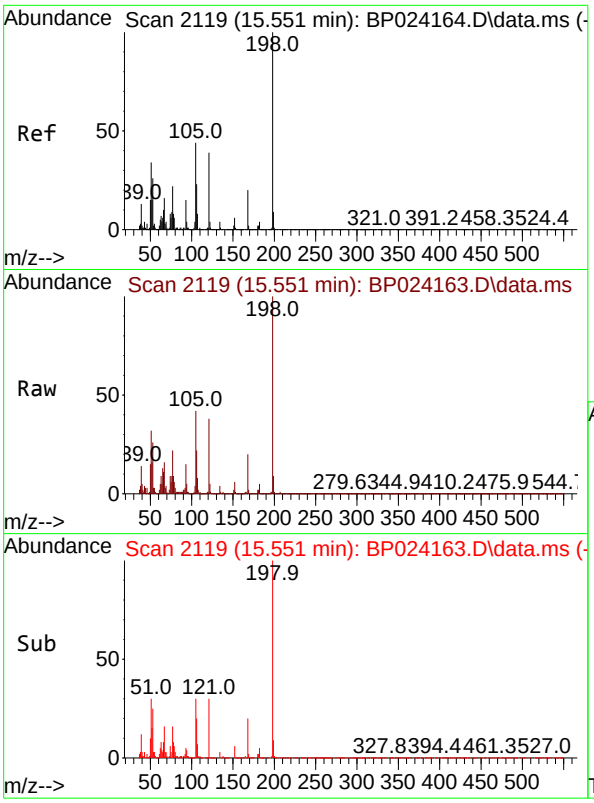




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2400
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:188 Resp: 1698224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.1 | 8.1 | 12.1 |
| 80 | 11.1 | 8.9 | 13.3 |



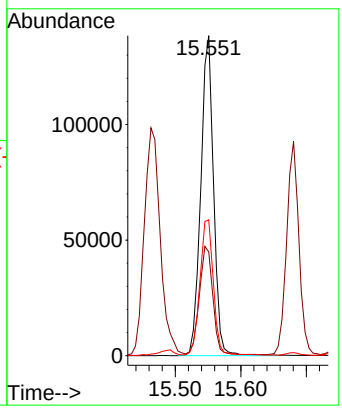


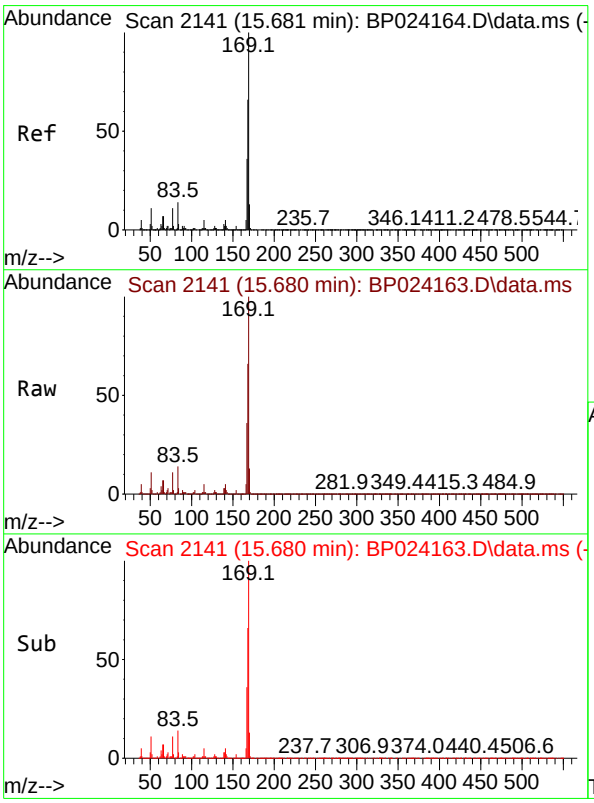

#65
4,6-Dinitro-2-methylphenol
Concen: 19.162 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:198 Resp: 188346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 32.4 | 14.7 | 54.7 |
| 105 | 42.4 | 23.8 | 63.8 |

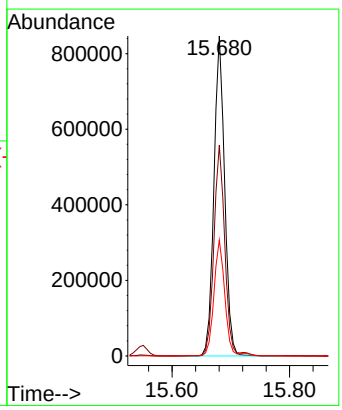


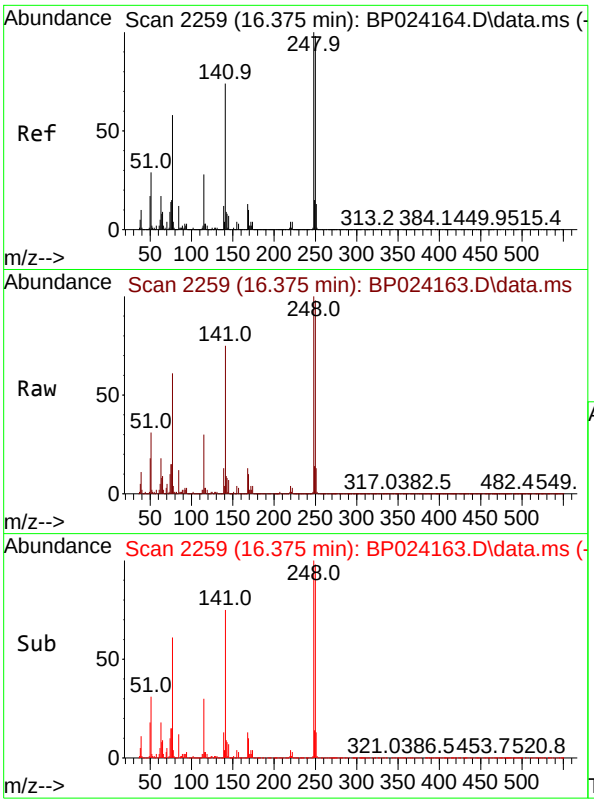




#66
n-Nitrosodiphenylamine
Concen: 20.181 ng
RT: 15.680 min Scan# 2141
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:169 Resp: 1068735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.9 | 52.9 | 79.3 |
| 167 | 36.2 | 28.8 | 43.2 |



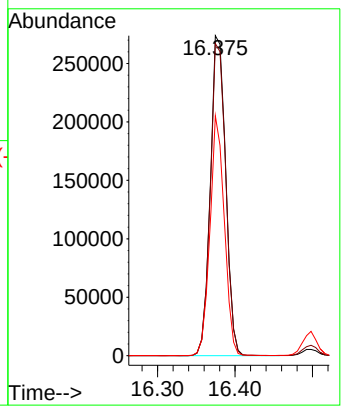


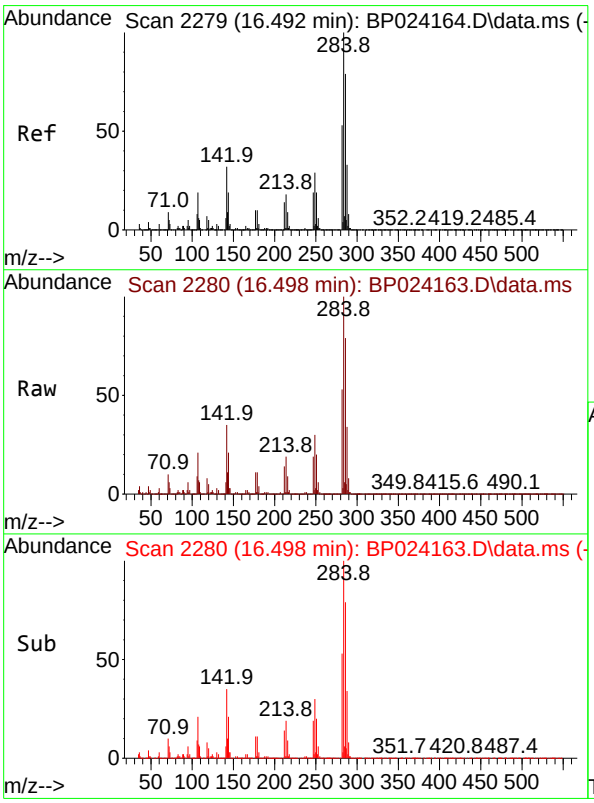

#67
4-Bromophenyl-phenylether
Concen: 19.797 ng
RT: 16.375 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:248 Resp: 377534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.5 | 78.4 | 117.6 |
| 141 | 74.9 | 59.4 | 89.0 |

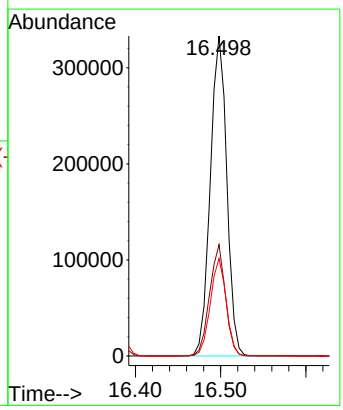


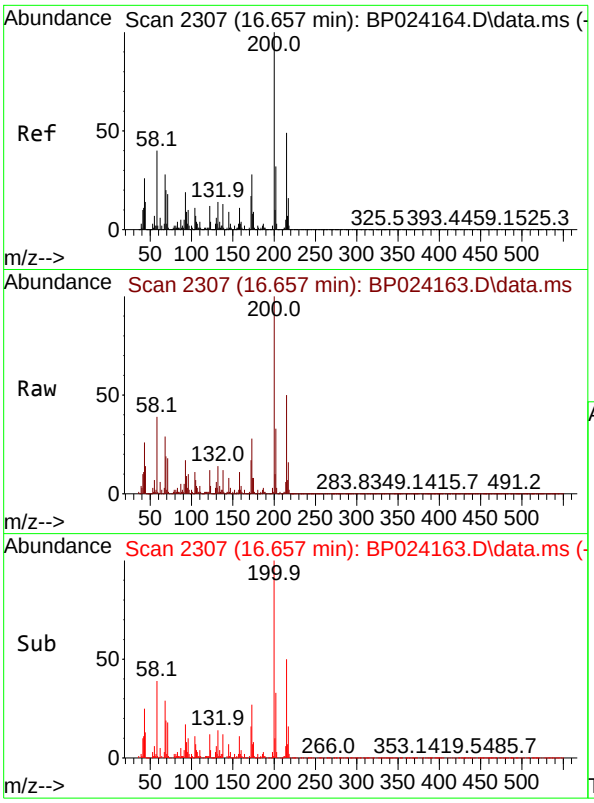




#68
Hexachlorobenzene
Concen: 19.921 ng
RT: 16.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:284 Resp: 447016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.8 | 25.4 | 38.2 |
| 249 | 30.5 | 23.5 | 35.3 |



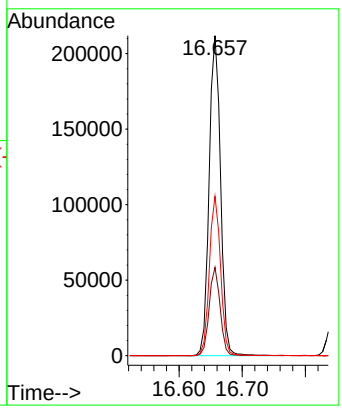


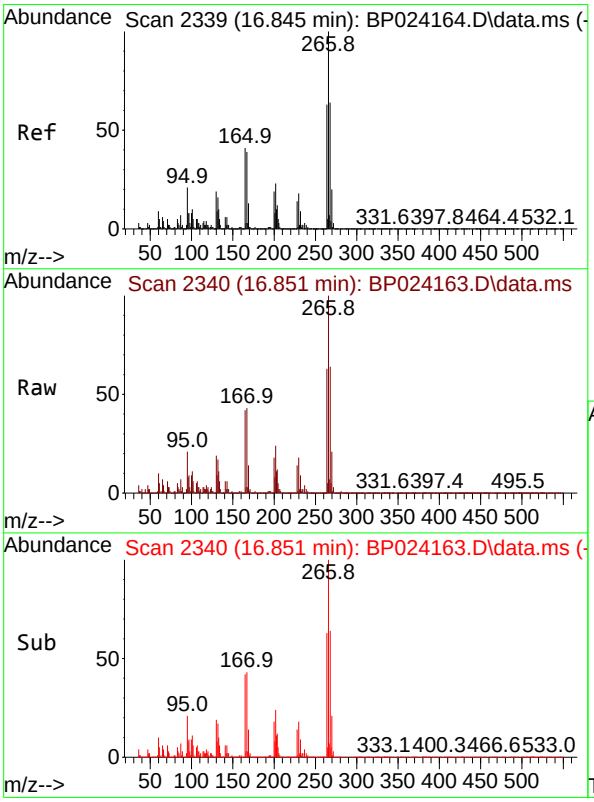

#69
Atrazine
Concen: 19.568 ng
RT: 16.657 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:200 Resp: 265940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.6 | 7.6 | 47.6 |
| 215 | 49.8 | 29.0 | 69.0 |

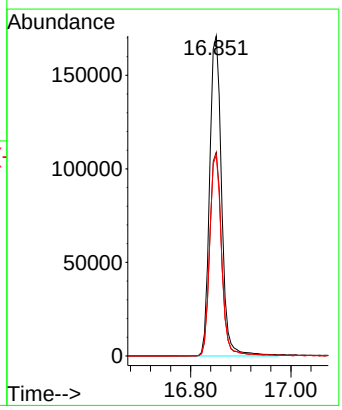


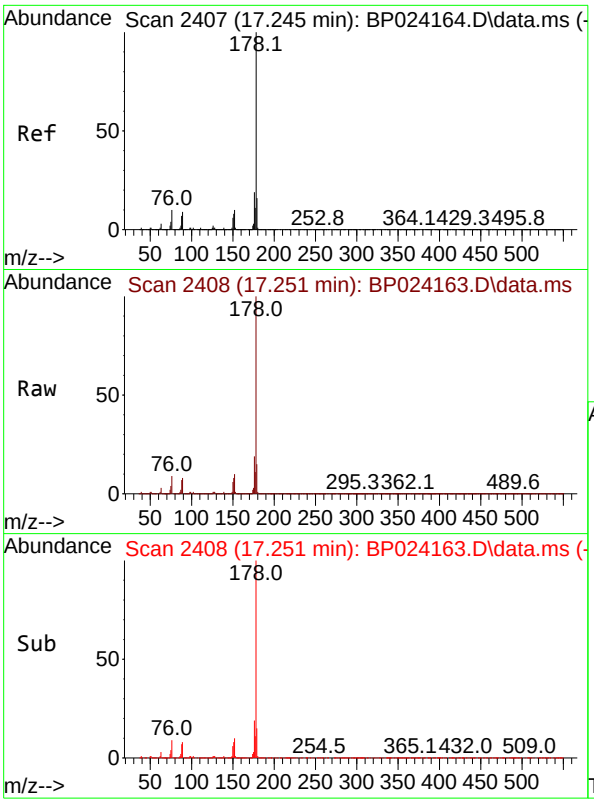




#70
Pentachlorophenol
Concen: 19.373 ng
RT: 16.851 min Scan# 2340
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:266 Resp: 282344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.7 | 51.3 | 76.9 |
| 264 | 62.7 | 50.6 | 76.0 |



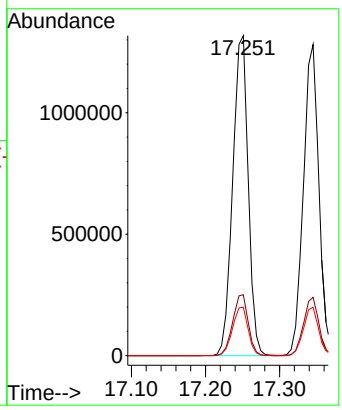


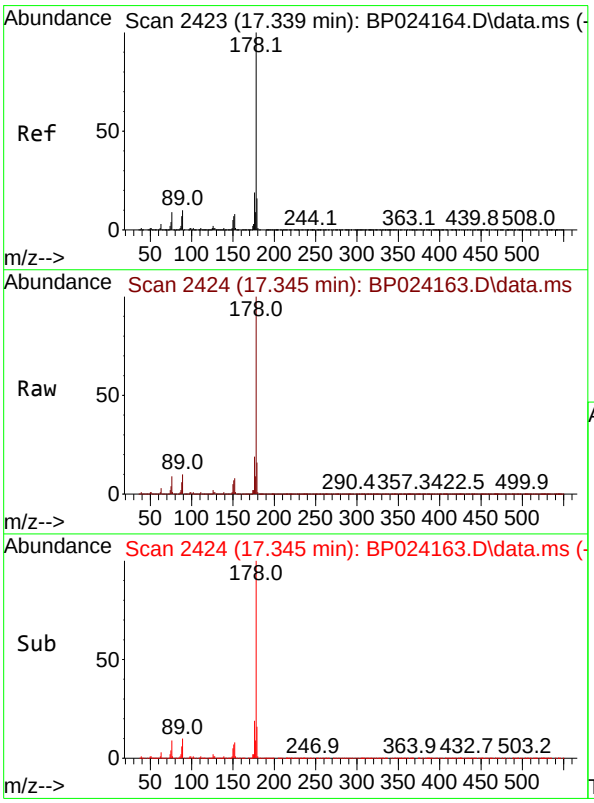

#71
Phenanthrene
Concen: 19.965 ng
RT: 17.251 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:178 Resp: 1911548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 15.6 | 23.4 |
| 179 | 15.2 | 12.5 | 18.7 |

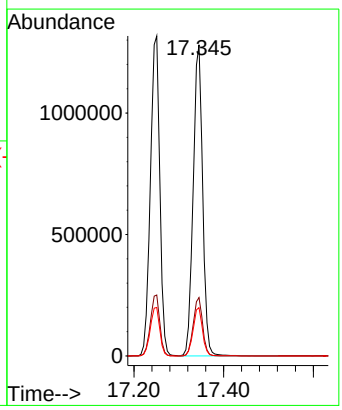


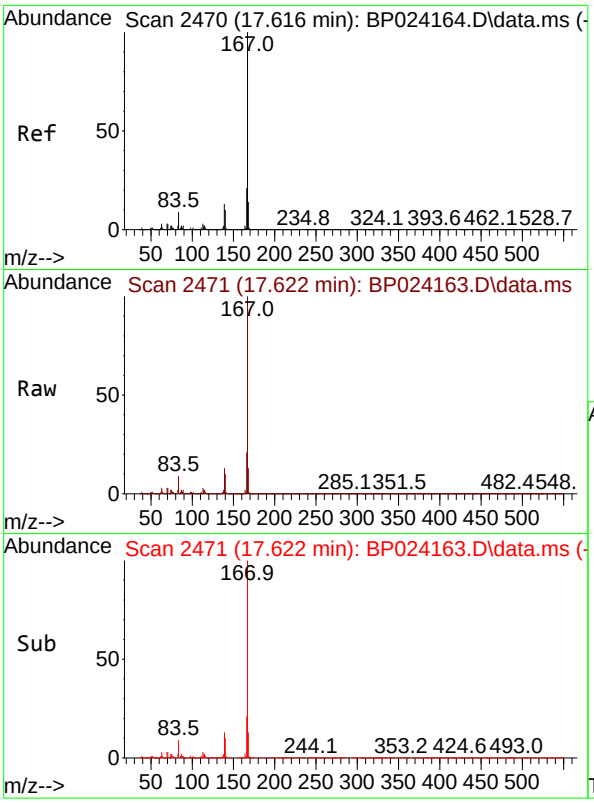




#72
Anthracene
Concen: 20.386 ng
RT: 17.345 min Scan# 2424
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:178 Resp: 1870471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.2 | 22.8 |
| 179 | 15.5 | 12.6 | 18.8 |



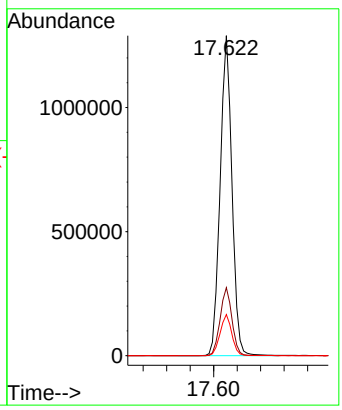


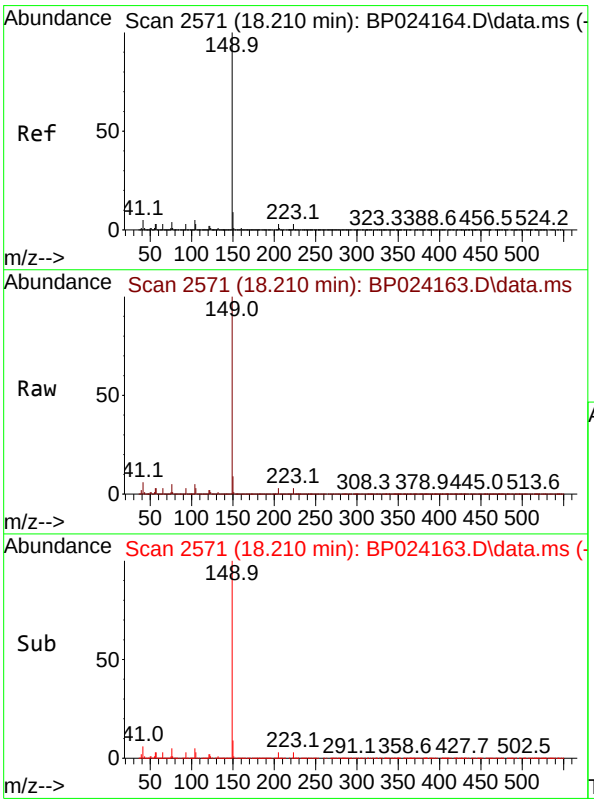

#73
Carbazole
Concen: 20.589 ng
RT: 17.622 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:167 Resp: 1799842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.3 | 17.1 | 25.7 |
| 139 | 12.8 | 10.2 | 15.4 |

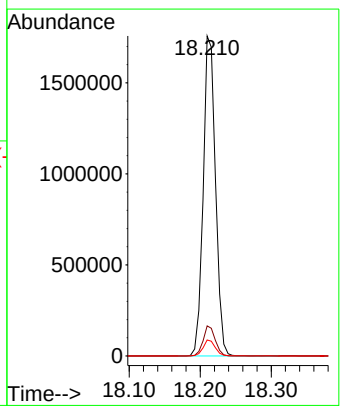


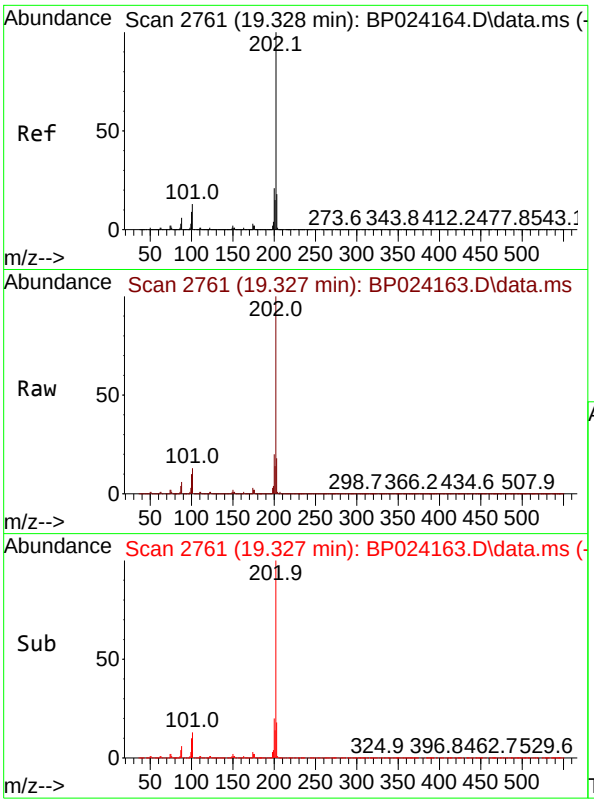




#74
Di-n-butylphthalate
Concen: 20.765 ng
RT: 18.210 min Scan# 2571
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:149 Resp: 2118089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.4 | 7.6 | 11.4 |
| 104 | 5.0 | 3.9 | 5.9 |



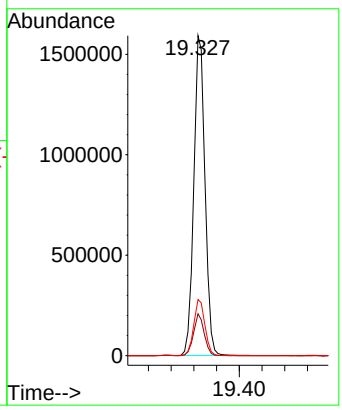


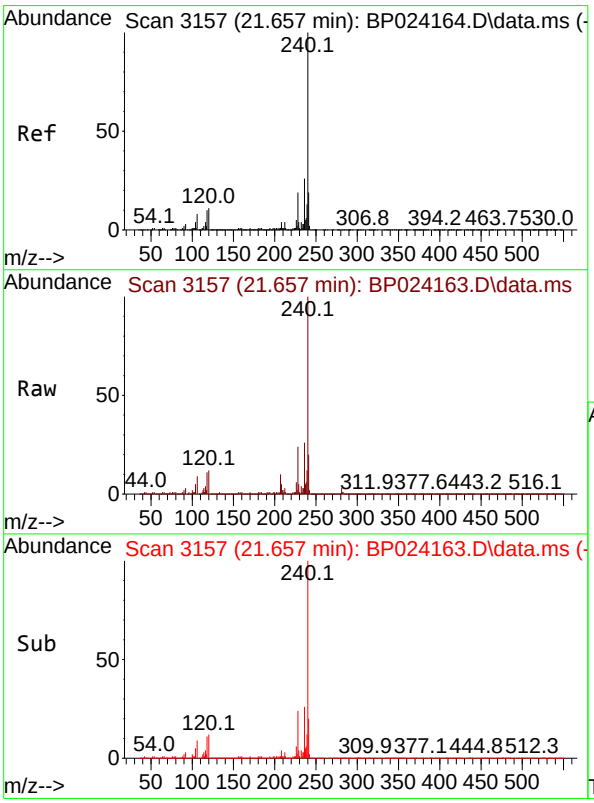

#75
Fluoranthene
Concen: 20.186 ng
RT: 19.327 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:202 Resp: 2186012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.1 | 0.0 | 32.5 |
| 203 | 17.5 | 0.0 | 37.9 |

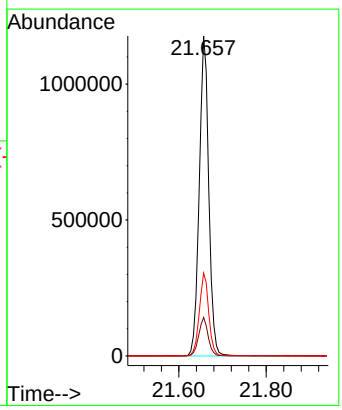


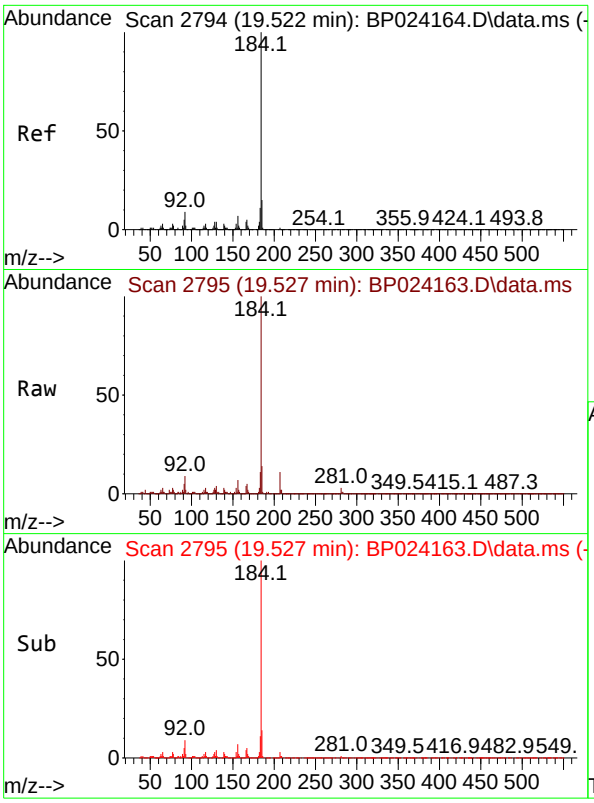




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.657 min Scan# 3157
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:240 Resp: 1778727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.1 | 9.2 | 13.8 |
| 236 | 25.9 | 20.4 | 30.6 |



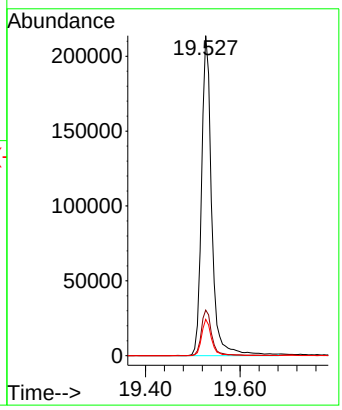


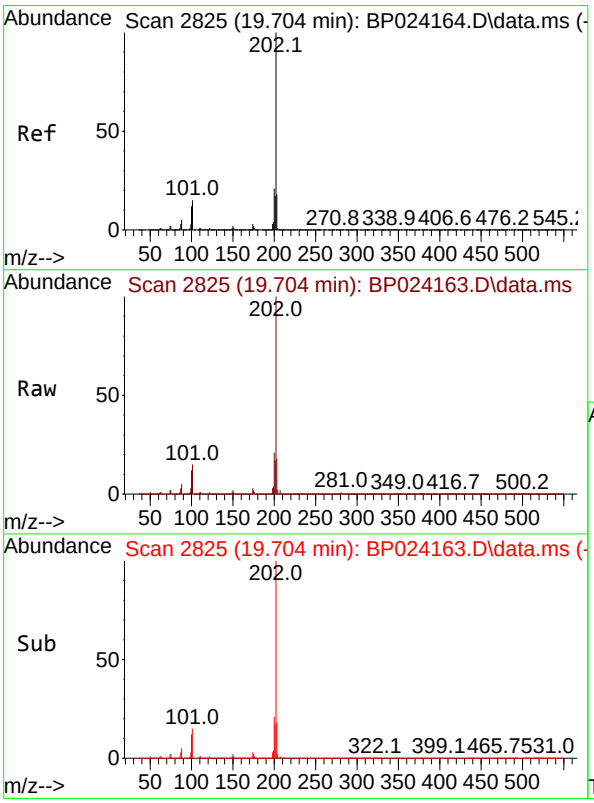

#77
Benzidine
Concen: 14.642 ng
RT: 19.527 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:184 Resp: 317361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.3 | 11.8 | 17.6 |
| 183 | 11.4 | 9.1 | 13.7 |

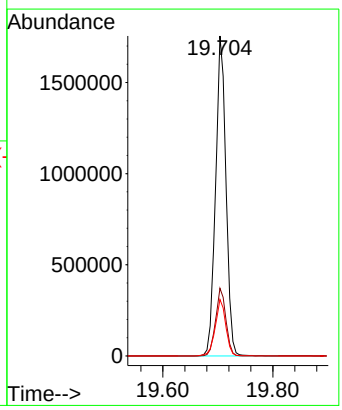


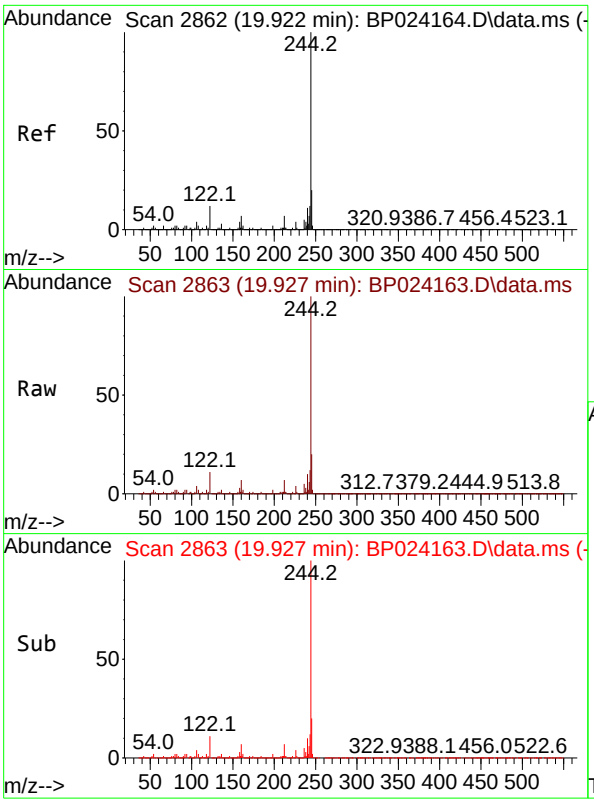




#78
Pyrene
Concen: 20.454 ng
RT: 19.704 min Scan# 2825
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:202 Resp: 2310992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 17.1 | 25.7 |
| 203 | 17.6 | 14.2 | 21.4 |



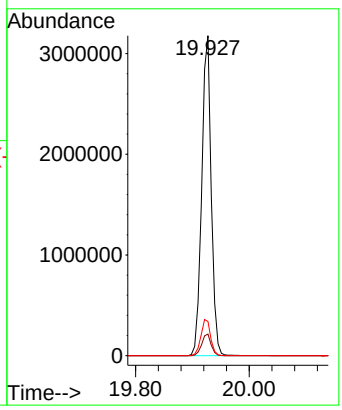


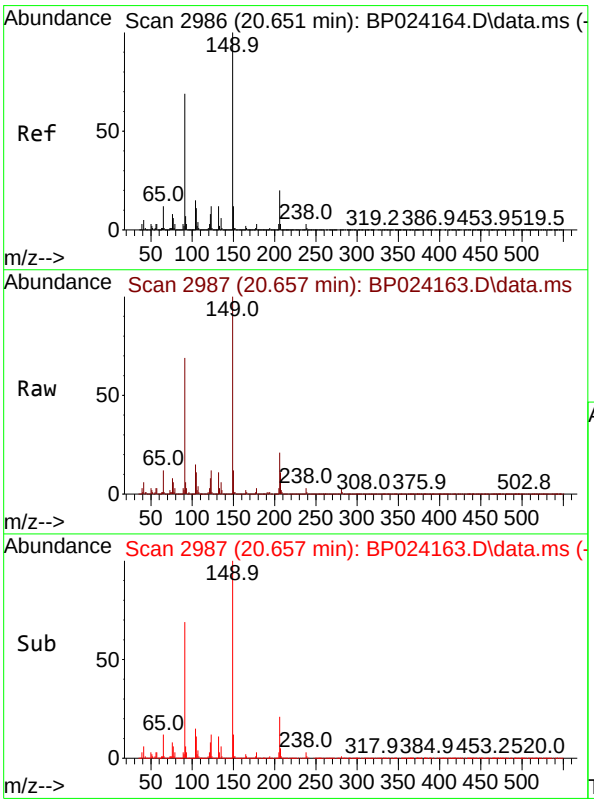

#79
Terphenyl-d14
Concen: 40.898 ng
RT: 19.927 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:244 Resp: 3676388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.7 | 8.5 |
| 122 | 10.7 | 9.6 | 14.4 |

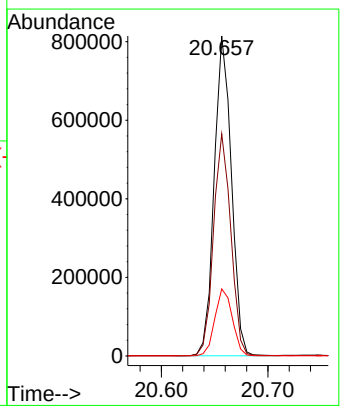


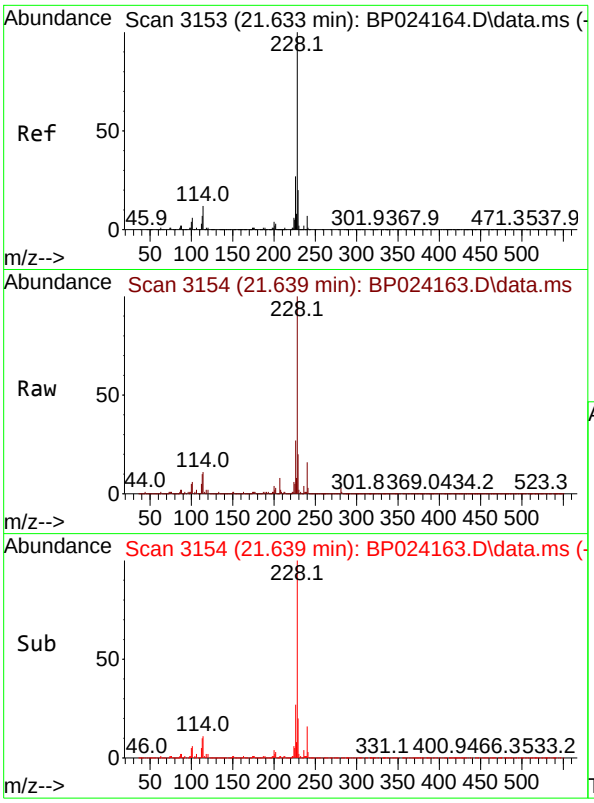




#80
Butylbenzylphthalate
Concen: 21.082 ng
RT: 20.657 min Scan# 2987
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:149 Resp: 912738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 69.4 | 55.3 | 82.9 |
| 206 | 20.9 | 16.1 | 24.1 |



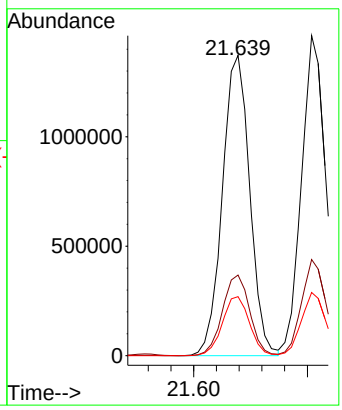


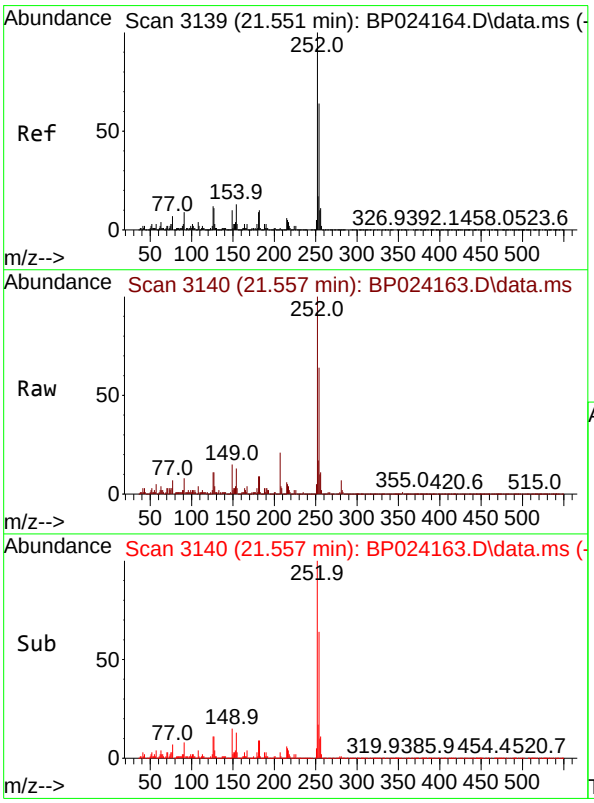

#81
Benzo(a)anthracene
Concen: 20.583 ng
RT: 21.639 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:228 Resp: 2295776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.8 | 21.8 | 32.8 |
| 229 | 19.6 | 16.0 | 24.0 |

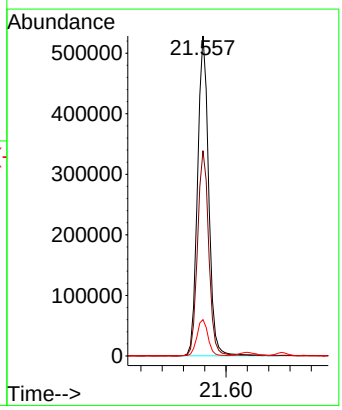


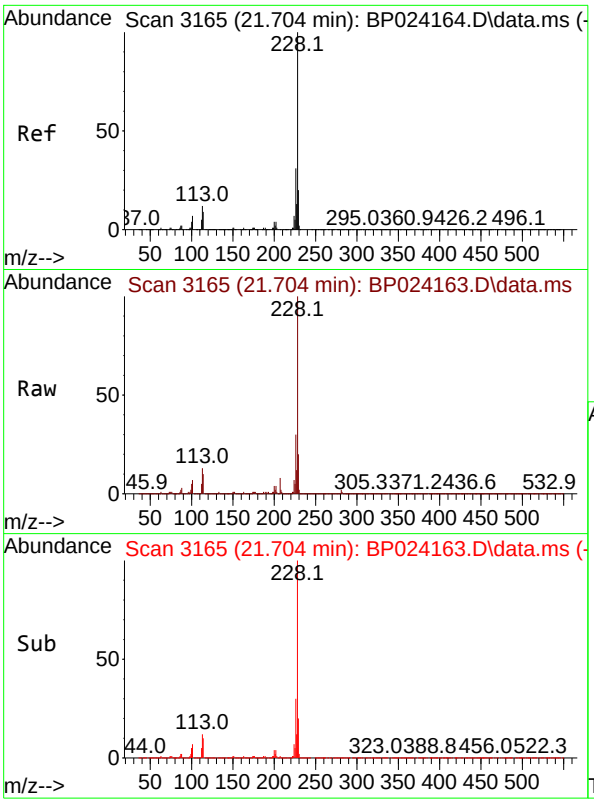




#82
3,3'-Dichlorobenzidine
Concen: 21.882 ng
RT: 21.557 min Scan# 3140
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:252 Resp: 762665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.1 | 51.4 | 77.2 |
| 126 | 11.4 | 9.3 | 13.9 |



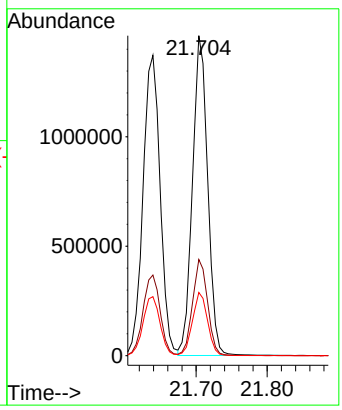


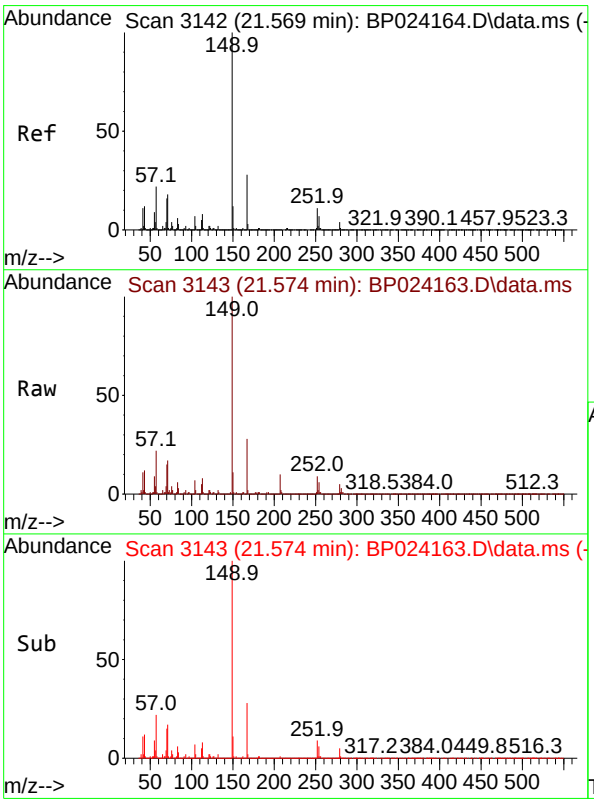

#83
Chrysene
Concen: 20.250 ng
RT: 21.704 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:228 Resp: 2177924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.0 | 24.5 | 36.7 |
| 229 | 19.8 | 16.2 | 24.2 |

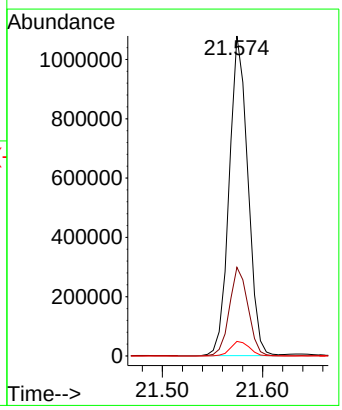


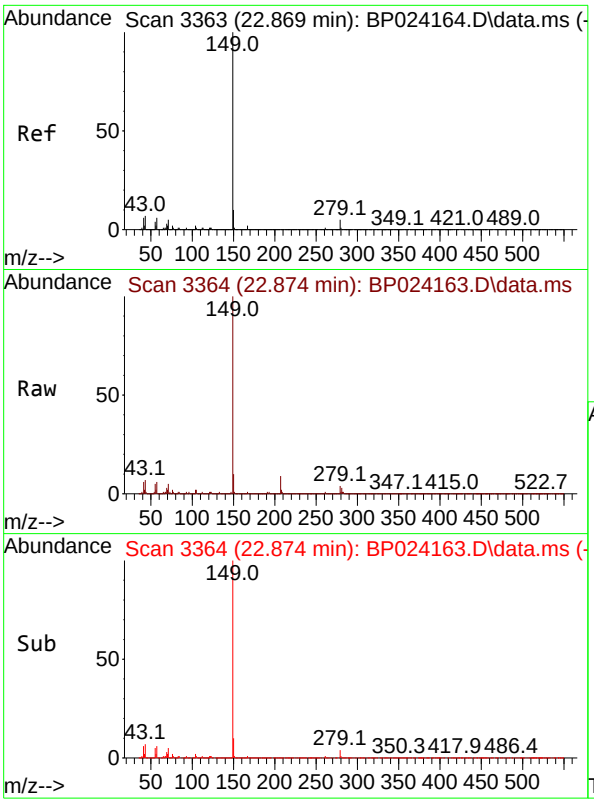




#84
Bis(2-ethylhexyl)phthalate
Concen: 21.249 ng
RT: 21.574 min Scan# 3143
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:149 Resp: 1395096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.7 | 22.5 | 33.7 |
| 279 | 4.5 | 3.6 | 5.4 |



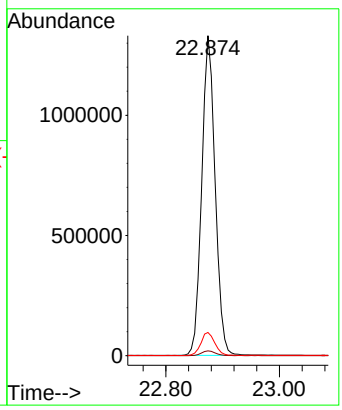


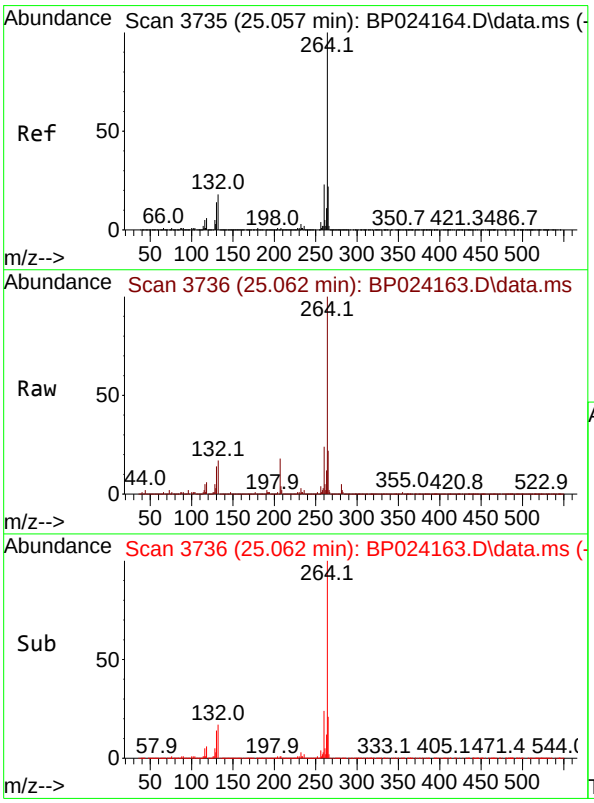

#85
Di-n-octyl phthalate
Concen: 20.752 ng
RT: 22.874 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:149 Resp: 2177750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.3 | 1.9 |
| 43 | 7.5 | 5.8 | 8.8 |

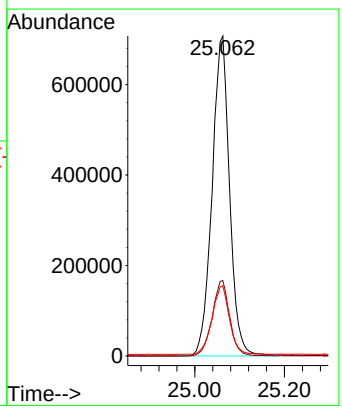


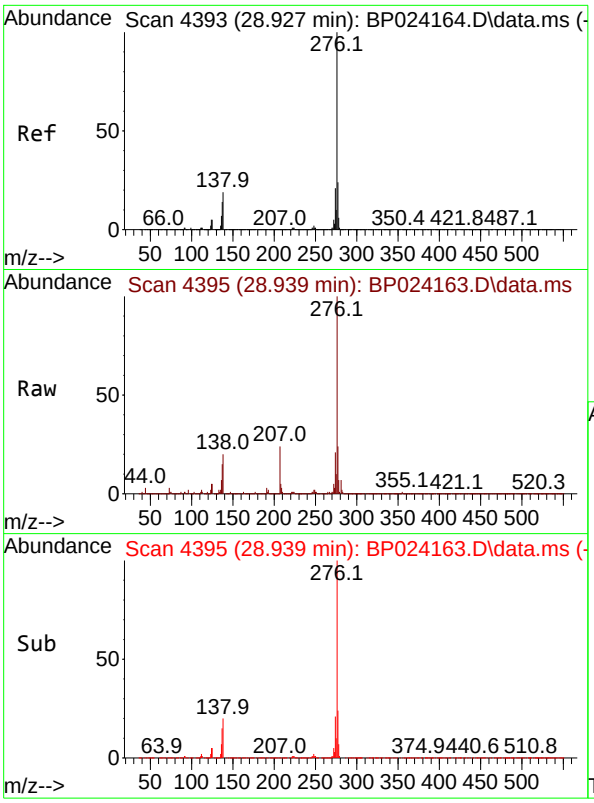




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.062 min Scan# 3736
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:264 Resp: 1914395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 18.5 | 27.7 |
| 265 | 22.0 | 17.7 | 26.5 |



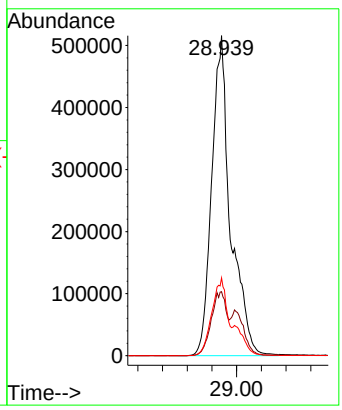


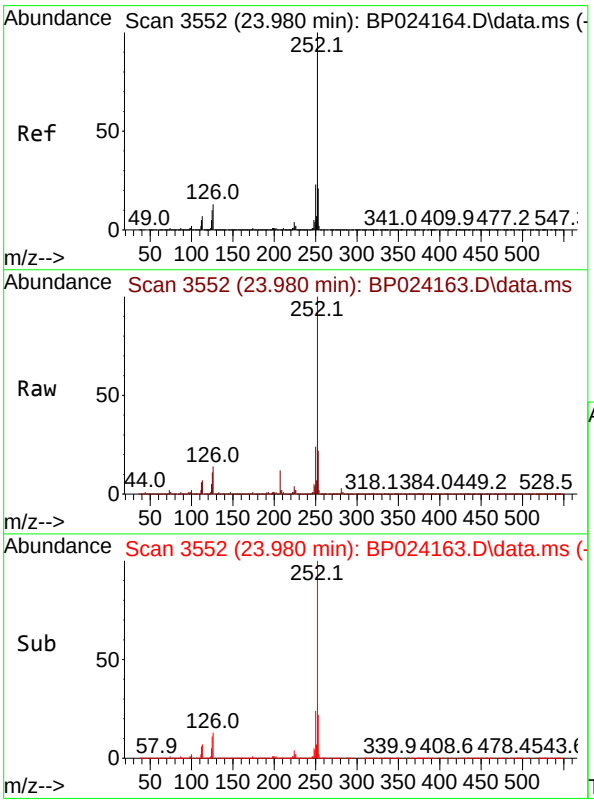

#87
Indeno(1,2,3-cd)pyrene
Concen: 19.980 ng
RT: 28.939 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:276 Resp: 2721144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.2 | 13.7 | 20.5 |
| 277 | 19.5 | 20.2 | 30.2# |

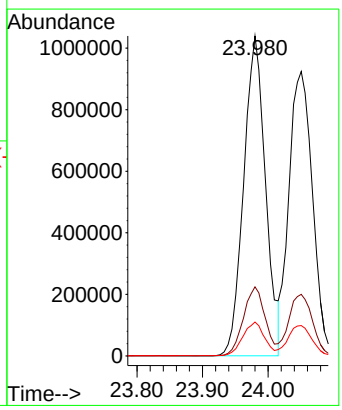


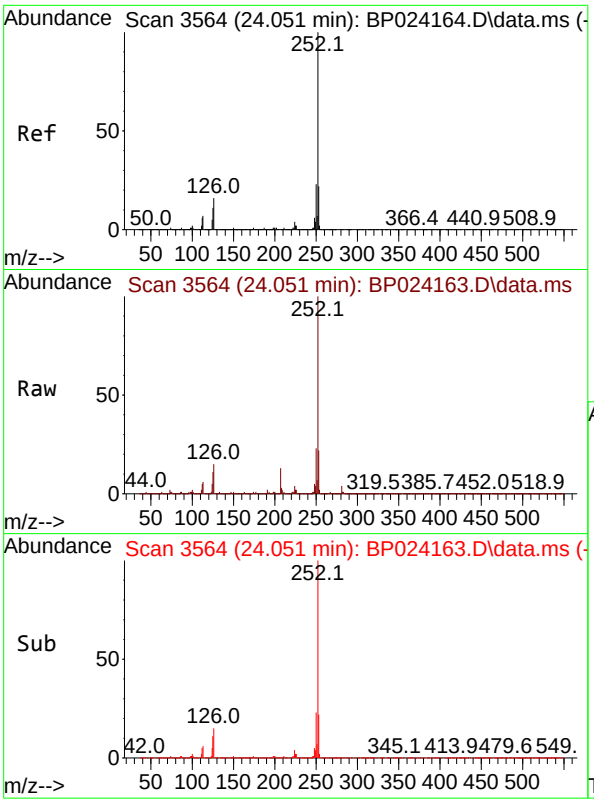




#88
Benzo(b)fluoranthene
Concen: 19.806 ng
RT: 23.980 min Scan# 3552
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:252 Resp: 2407773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.2 | 25.8 |
| 125 | 10.6 | 8.2 | 12.4 |



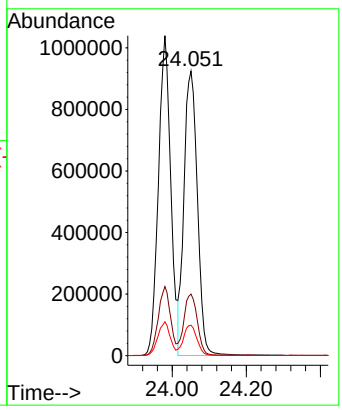


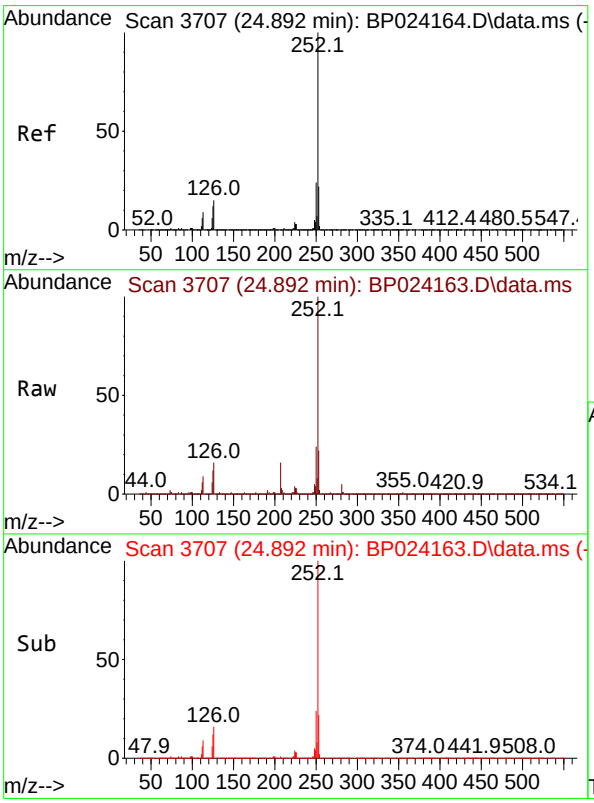

#89
Benzo(k)fluoranthene
Concen: 19.624 ng
RT: 24.051 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:252 Resp: 2322149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.7 | 26.5 |
| 125 | 10.7 | 9.1 | 13.7 |

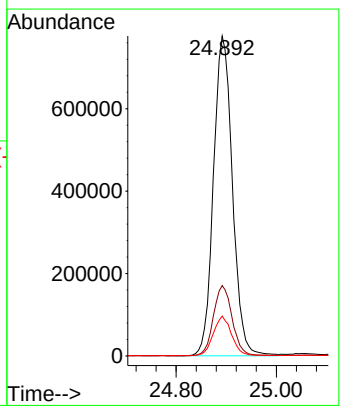


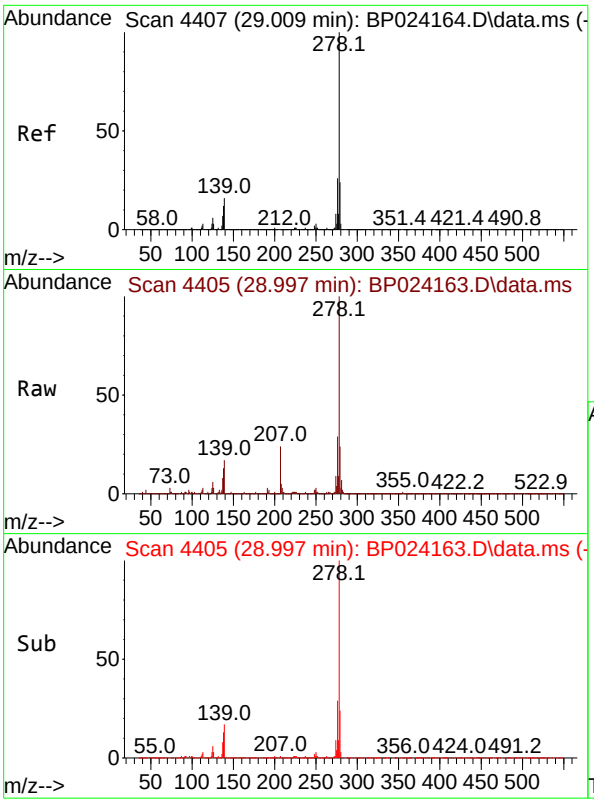




#90
Benzo(a)pyrene
Concen: 19.755 ng
RT: 24.892 min Scan# 3707
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:252 Resp: 2038106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.4 | 26.0 |
| 125 | 12.5 | 9.6 | 14.4 |



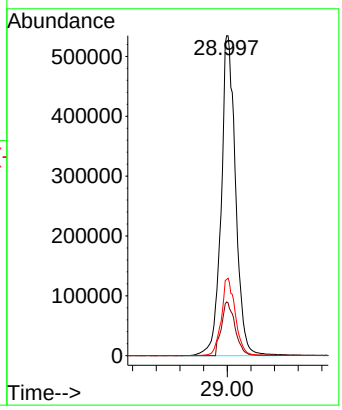


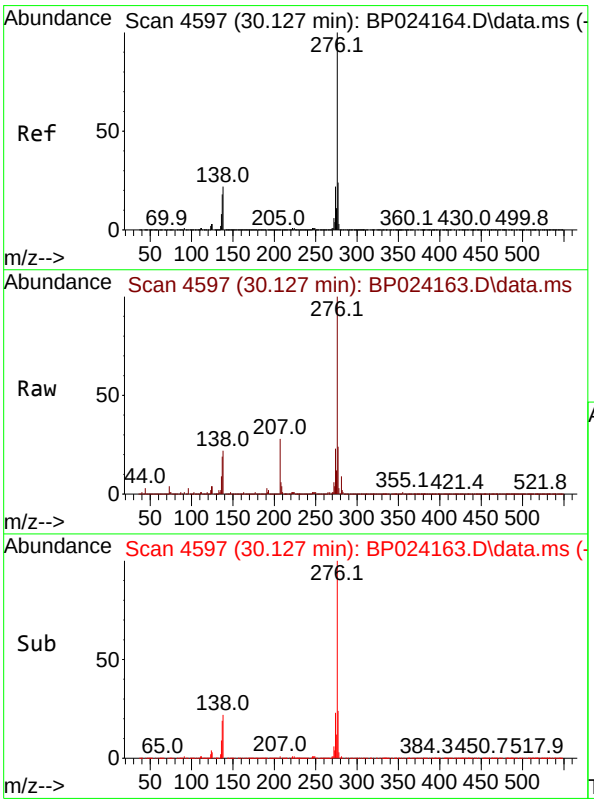

#91
Dibenzo(a,h)anthracene
Concen: 19.797 ng
RT: 28.997 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC020

Tgt Ion:278 Resp: 2267016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.8 | 13.0 | 19.4 |
| 279 | 23.8 | 18.8 | 28.2 |

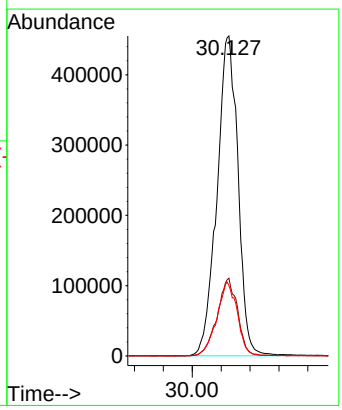



#92
Benzo(g,h,i)perylene
Concen: 19.746 ng
RT: 30.127 min Scan# 4597
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:276 Resp: 2294574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.3 | 19.2 | 28.8 |
| 138 | 21.9 | 17.4 | 26.2 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024164.D
Acq On : 12 Mar 2025 19:00
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Quant Time: Mar 13 04:08:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.769 | 152 | 383350 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.552 | 136 | 1538579 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.404 | 164 | 930584 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.204 | 188 | 1720919 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.657 | 240 | 1881172 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 25.057 | 264 | 2043442 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.381 | 112 | 1856351 | 75.560 | ng | 0.00 |
| 7) Phenol-d6 | 6.952 | 99 | 2501405 | 79.217 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.922 | 82 | 2157744 | 78.240 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.916 | 330 | 938209 | 82.309 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.016 | 172 | 4911554 | 73.785 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.922 | 244 | 7133778 | 75.038 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.323 | 88 | 359722 | 37.325 | ng | 100 |
| 3) Pyridine | 3.717 | 79 | 1004903 | 40.105 | ng | 100 |
| 4) n-Nitrosodimethylamine | 3.623 | 42 | 330244 | 37.156 | ng | 100 |
| 6) Aniline | 7.111 | 93 | 1138144 | 39.358 | ng | 100 |
| 8) 2-Chlorophenol | 7.346 | 128 | 1001335 | 38.507 | ng | 100 |
| 9) Benzaldehyde | 6.922 | 77 | 597740 | 41.462 | ng | 100 |
| 10) Phenol | 6.975 | 94 | 1248029 | 39.305 | ng | 100 |
| 11) bis(2-Chloroethyl)ether | 7.199 | 93 | 976195 | 39.033 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 7.664 | 146 | 1063428 | 37.225 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 7.811 | 146 | 1083221 | 37.495 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 8.122 | 146 | 1041511 | 37.564 | ng | 100 |
| 15) Benzyl Alcohol | 8.011 | 79 | 798656 | 41.320 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.305 | 45 | 991099 | 40.824 | ng | 100 |
| 17) 2-Methylphenol | 8.216 | 107 | 795971 | 41.136 | ng | 100 |
| 18) Hexachloroethane | 8.846 | 117 | 389110 | 37.399 | ng | 100 |
| 19) n-Nitroso-di-n-propyla... | 8.575 | 70 | 737233 | 43.423 | ng | 100 |
| 20) 3+4-Methylphenols | 8.540 | 107 | 1098375 | 41.727 | ng | 100 |
| 22) Acetophenone | 8.587 | 105 | 1525122 | 38.574 | ng | 100 |
| 24) Nitrobenzene | 8.963 | 77 | 1049347 | 38.662 | ng | 100 |
| 25) Isophorone | 9.487 | 82 | 1853580 | 41.100 | ng | 100 |
| 26) 2-Nitrophenol | 9.669 | 139 | 525614 | 42.034 | ng | 100 |
| 27) 2,4-Dimethylphenol | 9.734 | 122 | 661755 | 40.316 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 9.963 | 93 | 1285698 | 39.353 | ng | 100 |
| 29) 2,4-Dichlorophenol | 10.205 | 162 | 912137 | 40.720 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 10.416 | 180 | 960872 | 37.439 | ng | 100 |
| 31) Naphthalene | 10.605 | 128 | 3167478 | 38.287 | ng | 100 |
| 32) Benzoic acid | 9.875 | 122 | 670600 | 44.564 | ng | 100 |
| 33) 4-Chloroaniline | 10.710 | 127 | 1159633 | 39.789 | ng | 100 |
| 34) Hexachlorobutadiene | 10.893 | 225 | 553609 | 37.241 | ng | 100 |
| 35) Caprolactam | 11.499 | 113 | 299017 | 44.083 | ng | 100 |
| 36) 4-Chloro-3-methylphenol | 11.840 | 107 | 966642 | 41.977 | ng | 100 |
| 37) 2-Methylnaphthalene | 12.210 | 142 | 2167502 | 39.419 | ng | 100 |
| 38) 1-Methylnaphthalene | 12.434 | 142 | 2071946 | 38.734 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.587 | 216 | 1039275 | 36.348 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 12.563 | 237 | 395145 | 37.139 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 12.828 | 196 | 692810 | 39.731 | ng | 100 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024164.D
Acq On : 12 Mar 2025 19:00
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Quant Time: Mar 13 04:08:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

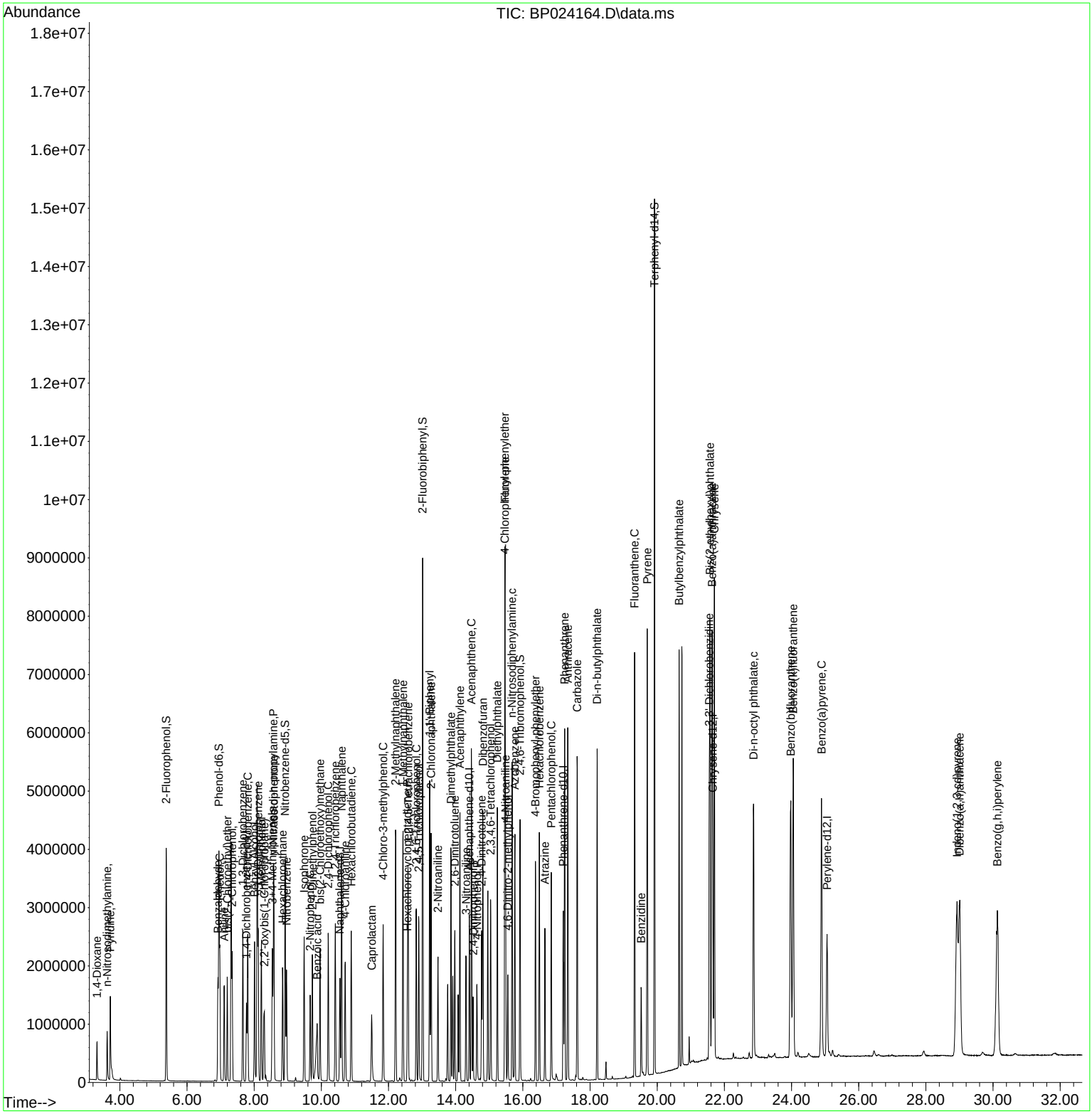
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.899 | 196 | 760360 | 39.872 | ng | 100 |
| 46) 1,1'-Biphenyl | 13.228 | 154 | 2720465 | 37.621 | ng | 100 |
| 47) 2-Chloronaphthalene | 13.269 | 162 | 2037284 | 37.269 | ng | 100 |
| 48) 2-Nitroaniline | 13.475 | 65 | 543429 | 42.085 | ng | 100 |
| 49) Acenaphthylene | 14.128 | 152 | 3091813 | 38.389 | ng | 100 |
| 50) Dimethylphthalate | 13.857 | 163 | 2526732 | 38.493 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.975 | 165 | 546912 | 40.901 | ng | 100 |
| 52) Acenaphthene | 14.469 | 154 | 1973969 | 38.061 | ng | 100 |
| 53) 3-Nitroaniline | 14.310 | 138 | 599822 | 42.038 | ng | 100 |
| 54) 2,4-Dinitrophenol | 14.522 | 184 | 297379 | 41.760 | ng | 100 |
| 55) Dibenzofuran | 14.810 | 168 | 3184940 | 37.802 | ng | 100 |
| 56) 4-Nitrophenol | 14.634 | 139 | 515335 | 41.811 | ng | 100 |
| 57) 2,4-Dinitrotoluene | 14.775 | 165 | 732669 | 42.180 | ng | 100 |
| 58) Fluorene | 15.469 | 166 | 2502924 | 38.039 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.040 | 232 | 662947 | 40.068 | ng | 100 |
| 60) Diethylphthalate | 15.240 | 149 | 2527904 | 38.794 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.463 | 204 | 1225168 | 37.829 | ng | 100 |
| 62) 4-Nitroaniline | 15.487 | 138 | 638694 | 43.134 | ng | 100 |
| 63) Azobenzene | 15.763 | 77 | 2401881 | 39.335 | ng | 100 |
| 65) 4,6-Dinitro-2-methylph... | 15.551 | 198 | 412313 | 41.395 | ng | 100 |
| 66) n-Nitrosodiphenylamine | 15.681 | 169 | 2063452 | 38.450 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.375 | 248 | 745376 | 38.570 | ng | 100 |
| 68) Hexachlorobenzene | 16.492 | 284 | 873989 | 38.435 | ng | 100 |
| 69) Atrazine | 16.657 | 200 | 466258 | 33.855 | ng | 100 |
| 70) Pentachlorophenol | 16.845 | 266 | 610729 | 41.352 | ng | 100 |
| 71) Phenanthrene | 17.245 | 178 | 3727050 | 38.414 | ng | 100 |
| 72) Anthracene | 17.339 | 178 | 3658135 | 39.344 | ng | 100 |
| 73) Carbazole | 17.616 | 167 | 3584494 | 40.463 | ng | 100 |
| 74) Di-n-butylphthalate | 18.210 | 149 | 4336969 | 41.958 | ng | 100 |
| 75) Fluoranthene | 19.328 | 202 | 4349734 | 39.636 | ng | 100 |
| 77) Benzidine | 19.522 | 184 | 968916 | 42.268 | ng | 100 |
| 78) Pyrene | 19.704 | 202 | 4529960 | 37.911 | ng | 100 |
| 80) Butylbenzylphthalate | 20.651 | 149 | 1972887 | 43.087 | ng | 100 |
| 81) Benzo(a)anthracene | 21.633 | 228 | 4546432 | 38.542 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.551 | 252 | 1610565 | 43.694 | ng | 100 |
| 83) Chrysene | 21.704 | 228 | 4356257 | 38.298 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.569 | 149 | 2980735 | 42.929 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.869 | 149 | 4786749 | 43.129 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.927 | 276 | 5583803 | 38.410 | ng | 100 |
| 88) Benzo(b)fluoranthene | 23.980 | 252 | 4864855 | 37.490 | ng | 100 |
| 89) Benzo(k)fluoranthene | 24.051 | 252 | 4618537 | 36.566 | ng | 100 |
| 90) Benzo(a)pyrene | 24.892 | 252 | 4204610 | 38.180 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 29.009 | 278 | 4646524 | 38.014 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 30.127 | 276 | 4714749 | 38.011 | ng | 100 |

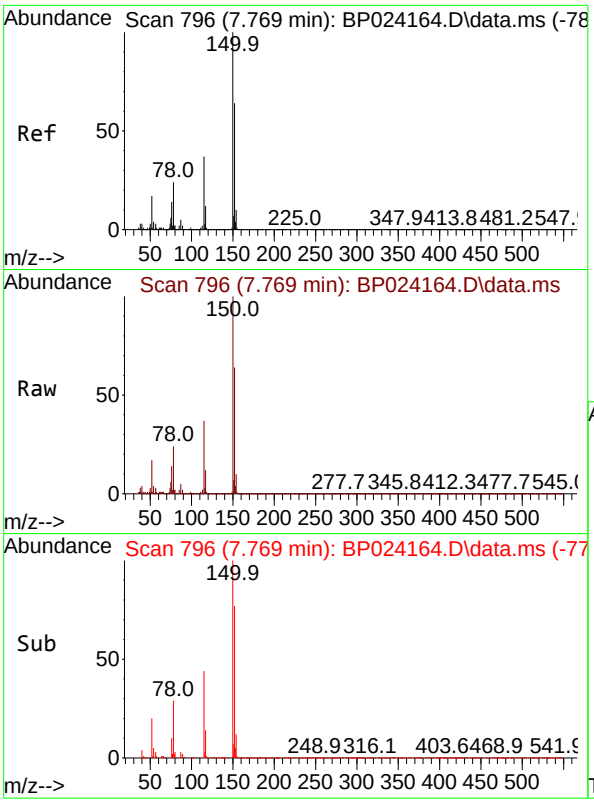
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024164.D
Acq On : 12 Mar 2025 19:00
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Quant Time: Mar 13 04:08:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration



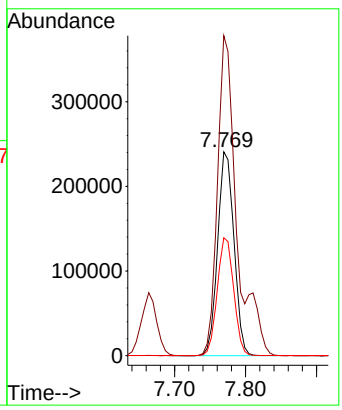


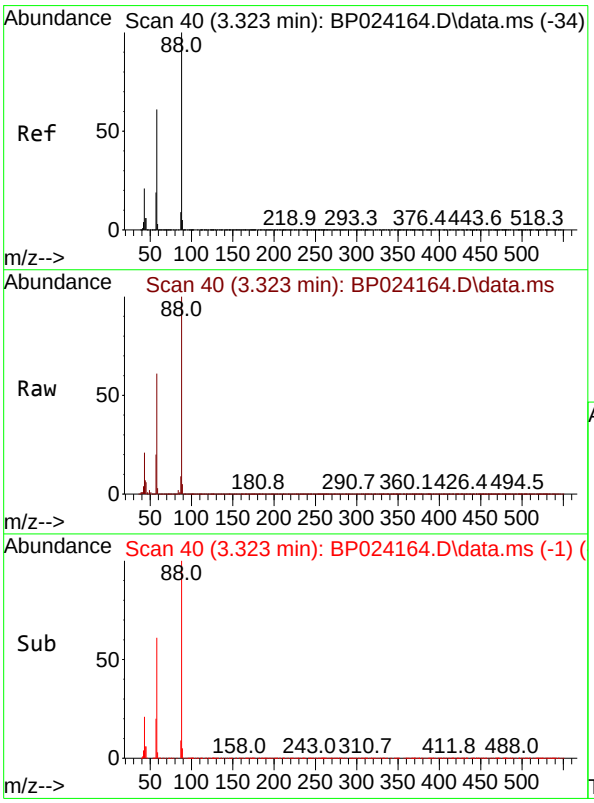

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:152 Resp: 383350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.9 | 125.5 | 188.3 |
| 115 | 57.9 | 46.3 | 69.5 |

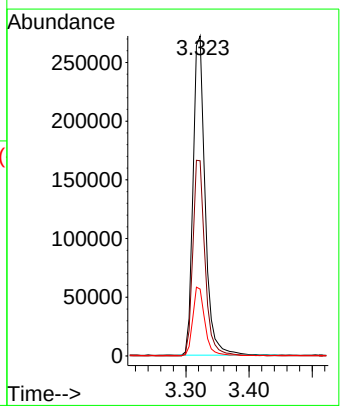


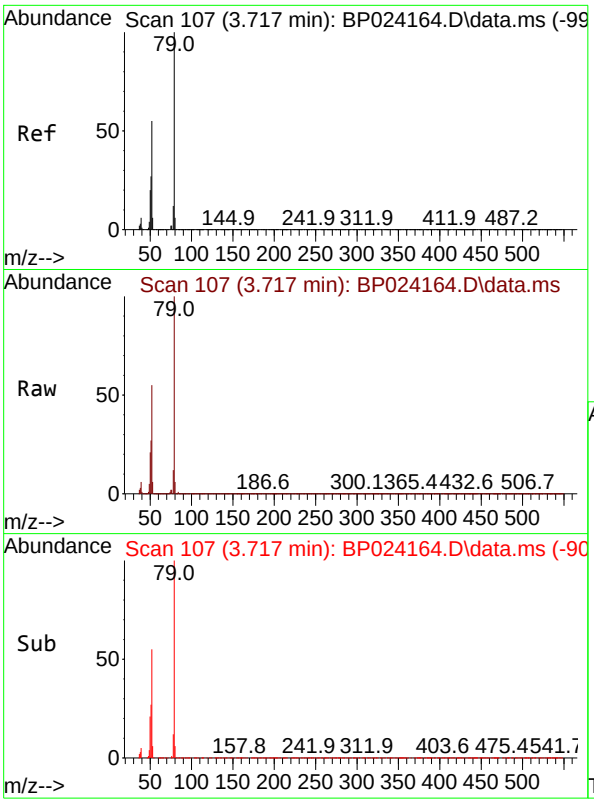




#2
1,4-Dioxane
Concen: 37.325 ng
RT: 3.323 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion: 88 Resp: 359722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 62.2 | 49.8 | 74.6 |
| 43 | 21.6 | 17.3 | 25.9 |



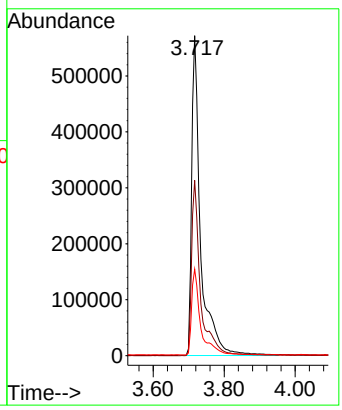


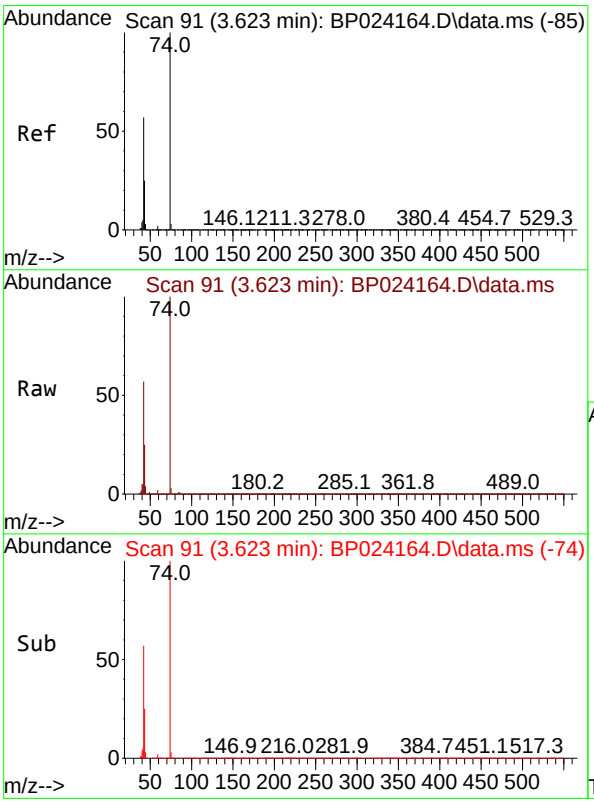

#3
Pyridine
Concen: 40.105 ng
RT: 3.717 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 79 Resp: 1004903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 54.8 | 43.8 | 65.8 |
| 51 | 27.0 | 21.6 | 32.4 |

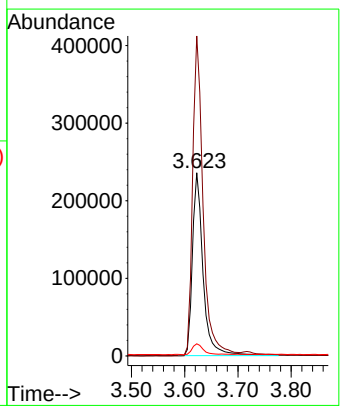


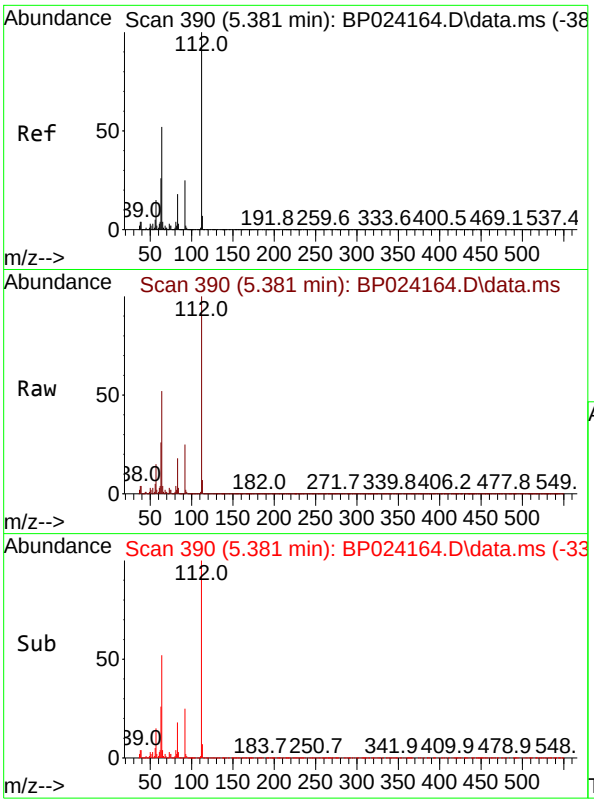




#4
n-Nitrosodimethylamine
Concen: 37.156 ng
RT: 3.623 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion: 42 Resp: 330244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 174.7 | 139.8 | 209.6 |
| 44 | 6.6 | 5.3 | 7.9 |



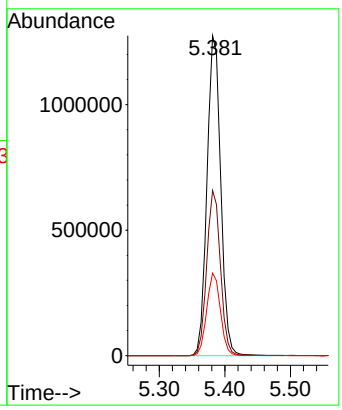


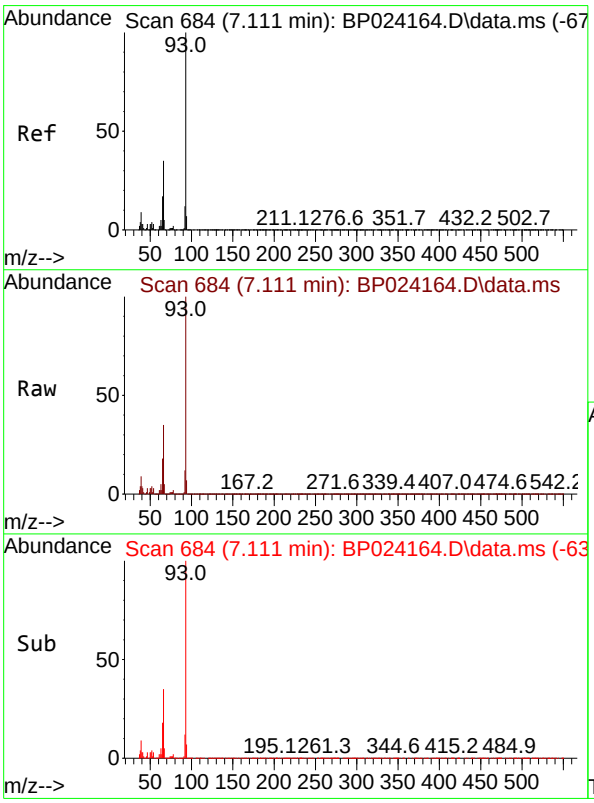

#5
2-Fluorophenol
Concen: 75.560 ng
RT: 5.381 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:112 Resp: 1856351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 51.6 | 41.3 | 61.9 |
| 63 | 25.8 | 20.6 | 31.0 |

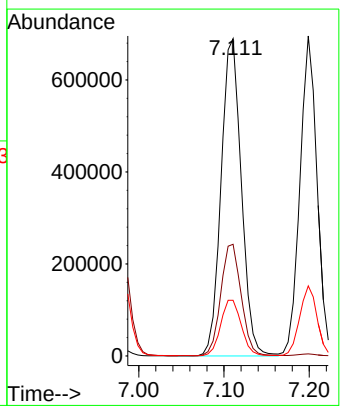


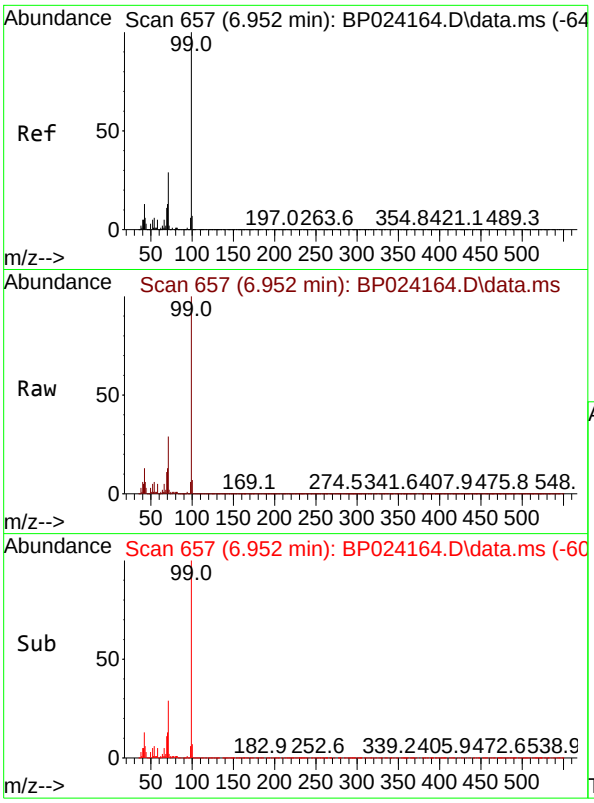




#6
Aniline
Concen: 39.358 ng
RT: 7.111 min Scan# 684
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion: 93 Resp: 1138144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 35.2 | 28.2 | 42.2 |
| 65 | 17.5 | 14.0 | 21.0 |



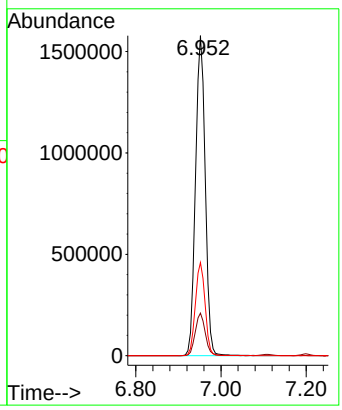


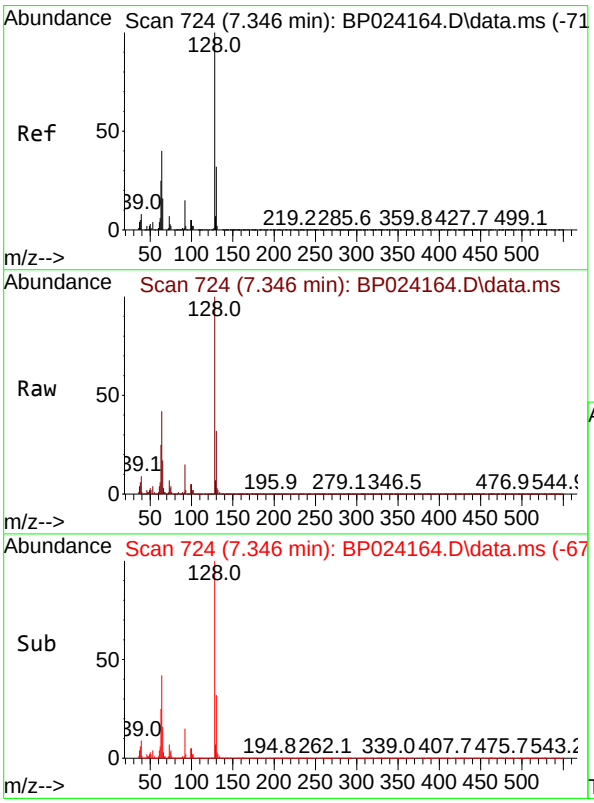

#7
Phenol-d6
Concen: 79.217 ng
RT: 6.952 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 99 Resp: 2501405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.3 | 10.6 | 16.0 |
| 71 | 29.1 | 23.3 | 34.9 |

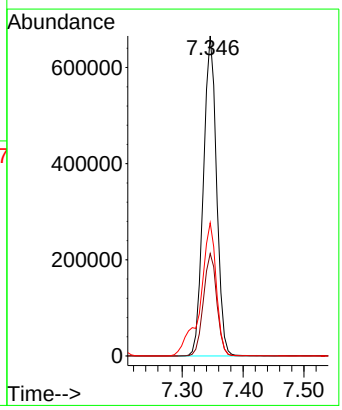


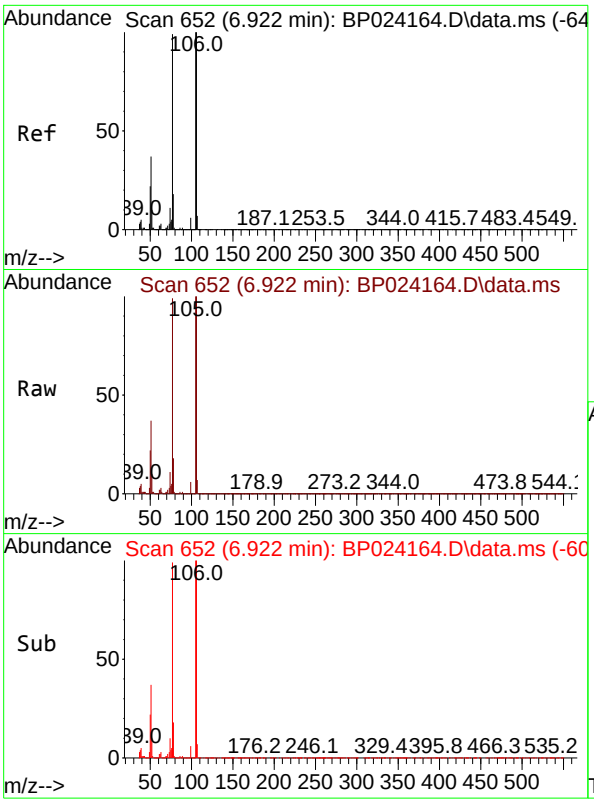




#8
2-Chlorophenol
Concen: 38.507 ng
RT: 7.346 min Scan# 724
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:128 Resp: 1001335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.0 | 12.0 | 52.0 |
| 64 | 41.6 | 21.6 | 61.6 |



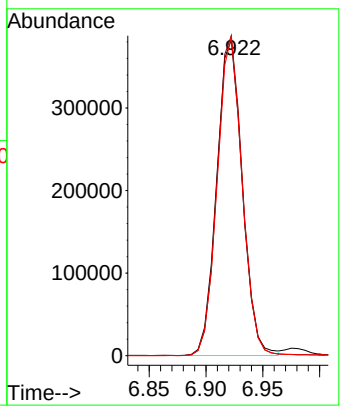


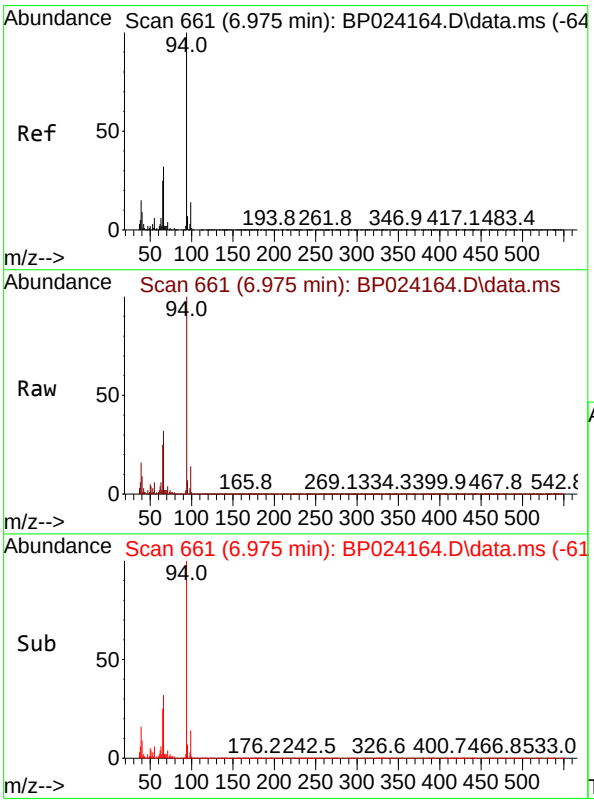

#9
Benzaldehyde
Concen: 41.462 ng
RT: 6.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 77 Resp: 597740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 101.4 | 81.4 | 121.4 |
| 106 | 101.1 | 81.1 | 121.1 |

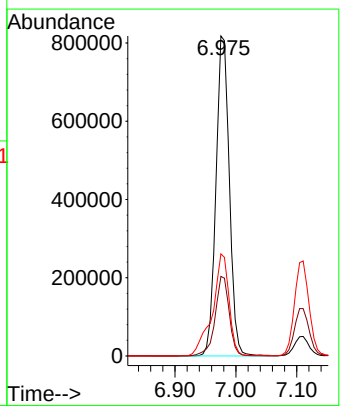


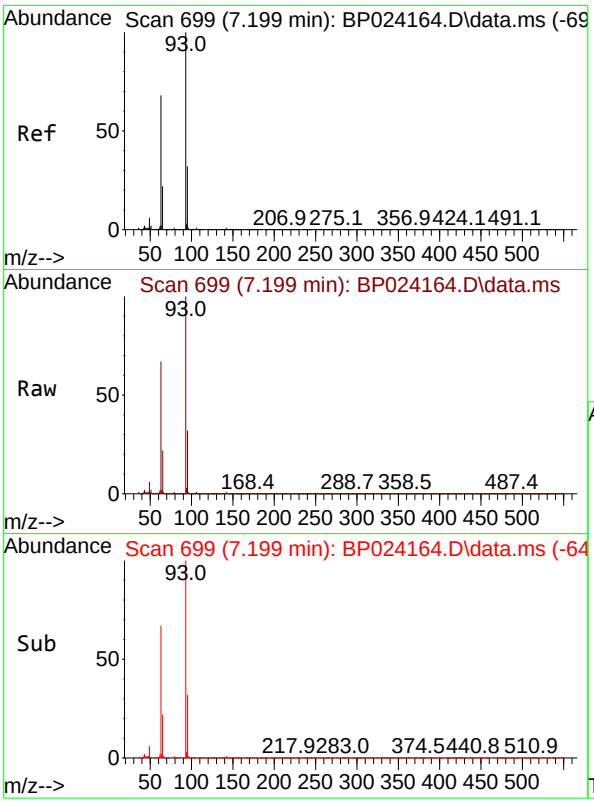




#10
Phenol
Concen: 39.305 ng
RT: 6.975 min Scan# 661
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion: 94 Resp: 1248029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 24.9 | 4.9 | 44.9 |
| 66 | 31.9 | 11.9 | 51.9 |



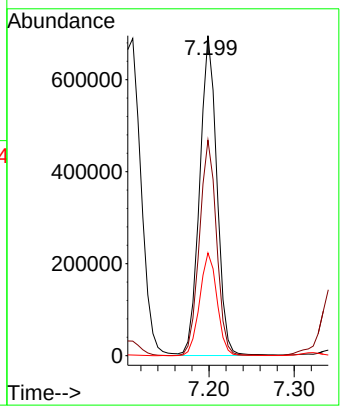


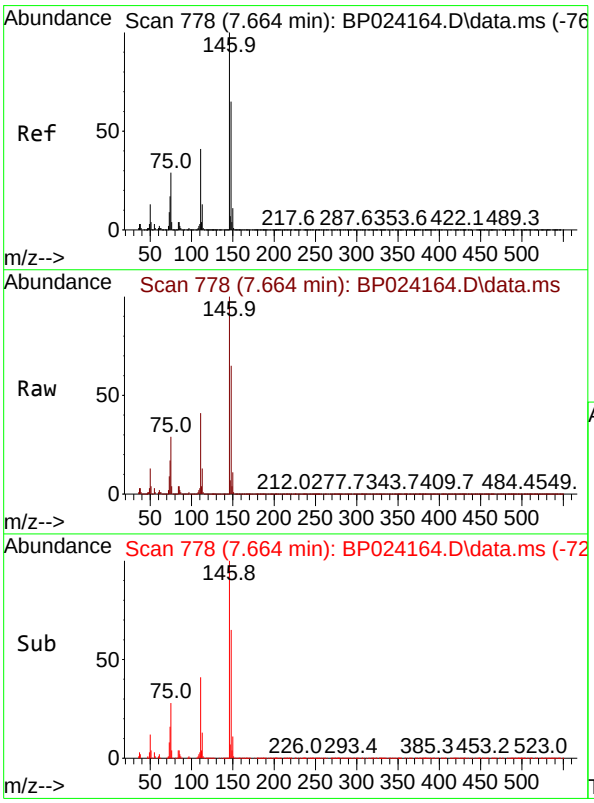

#11
bis(2-Chloroethyl)ether
Concen: 39.033 ng
RT: 7.199 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 93 Resp: 976195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 67.4 | 47.4 | 87.4 |
| 95 | 32.1 | 12.1 | 52.1 |

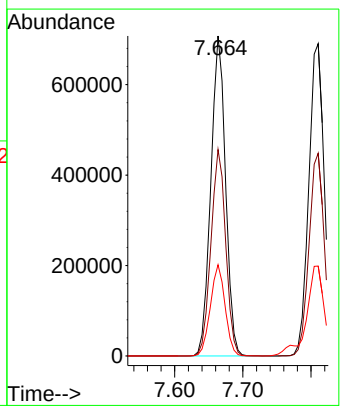


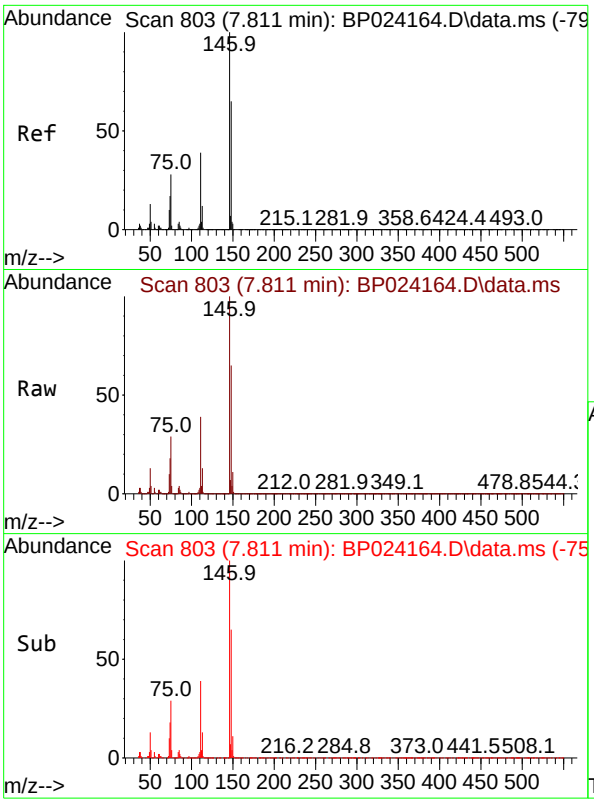




#12
1,3-Dichlorobenzene
Concen: 37.225 ng
RT: 7.664 min Scan# 778
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:146 Resp: 1063428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.5 | 51.6 | 77.4 |
| 75 | 28.5 | 22.8 | 34.2 |



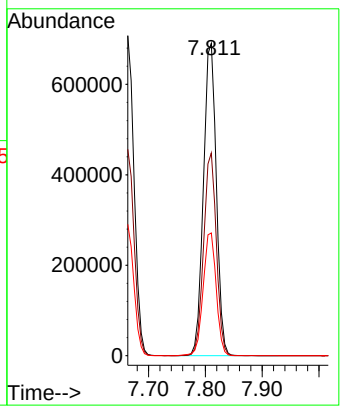


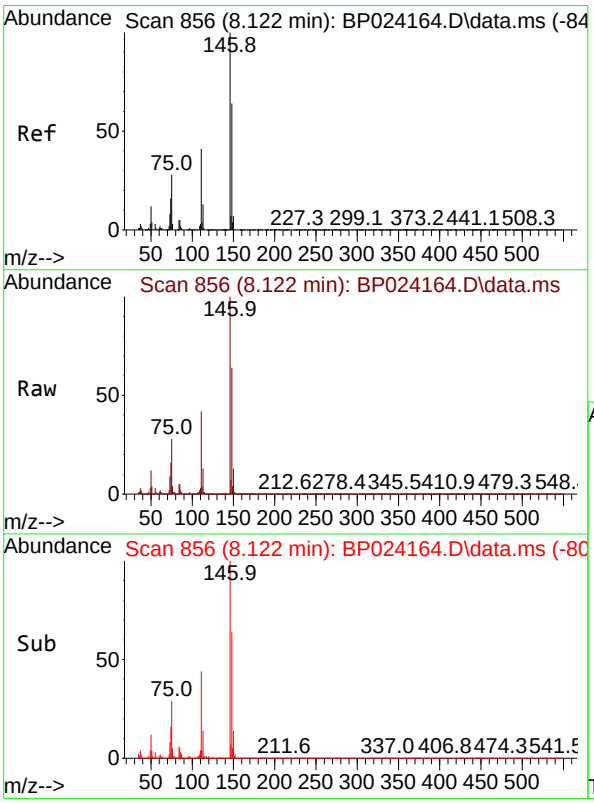

#13
1,4-Dichlorobenzene
Concen: 37.495 ng
RT: 7.811 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:146 Resp: 1083221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.9 | 51.9 | 77.9 |
| 111 | 39.3 | 31.4 | 47.2 |

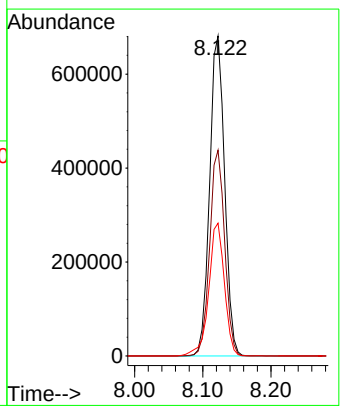


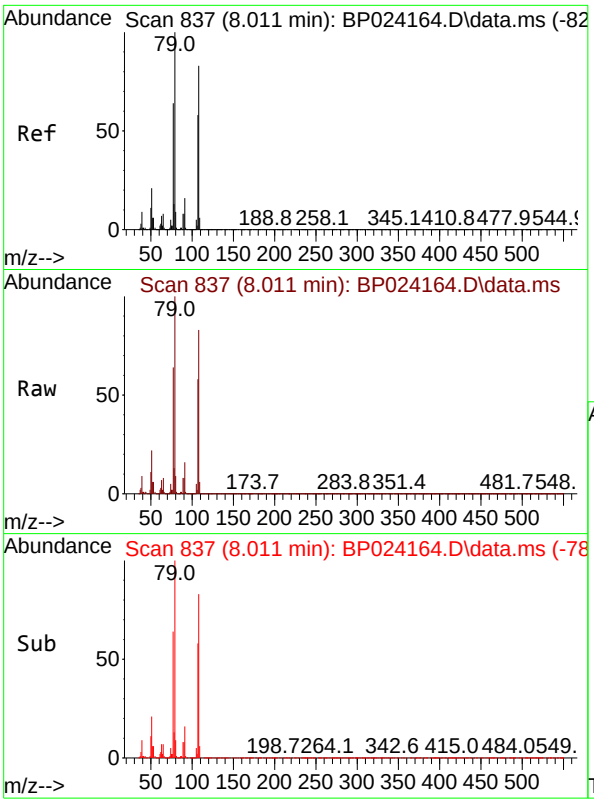




#14
1,2-Dichlorobenzene
Concen: 37.564 ng
RT: 8.122 min Scan# 856
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:146 Resp: 1041511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.3 | 51.4 | 77.2 |
| 111 | 41.5 | 33.2 | 49.8 |



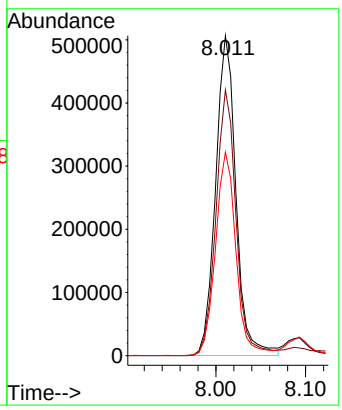


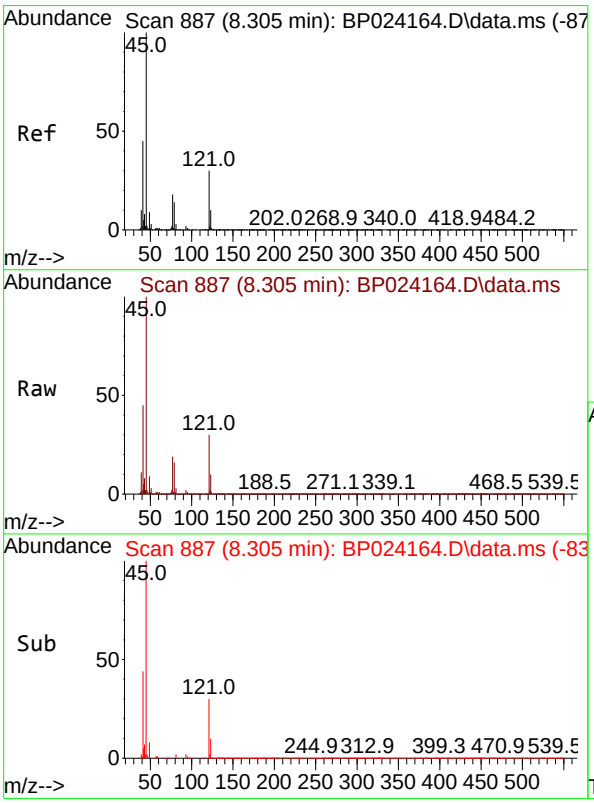

#15
Benzyl Alcohol
Concen: 41.320 ng
RT: 8.011 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 79 Resp: 798656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 83.1 | 66.5 | 99.7 |
| 77 | 63.6 | 50.9 | 76.3 |

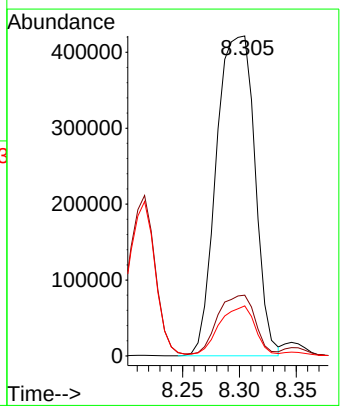


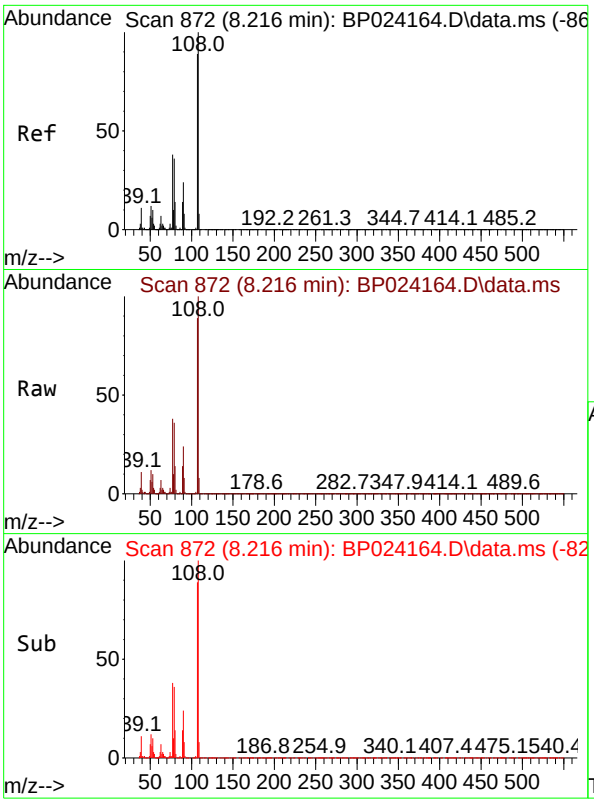




#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.824 ng
RT: 8.305 min Scan# 887
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion: 45 Resp: 991099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 19.0 | 0.0 | 39.0 |
| 79 | 15.6 | 0.0 | 35.6 |



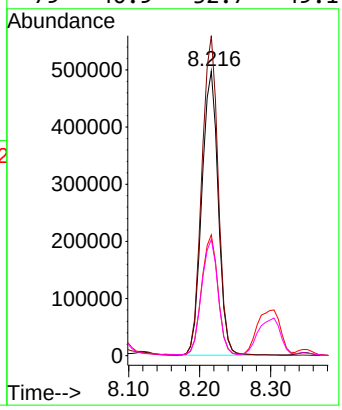


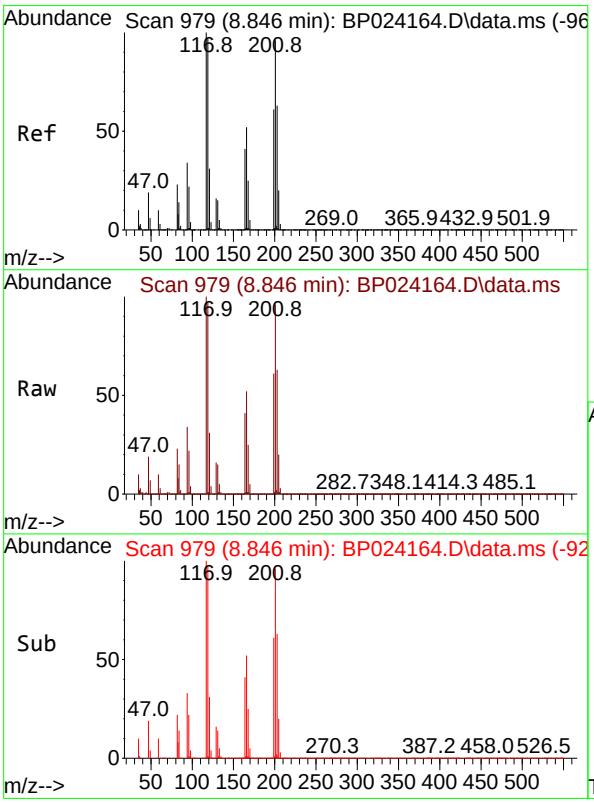

#17
2-Methylphenol
Concen: 41.136 ng
RT: 8.216 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:107 Resp: 795971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.5 | 90.0 | 135.0 |
| 77 | 42.5 | 34.0 | 51.0 |
| 79 | 40.9 | 32.7 | 49.1 |

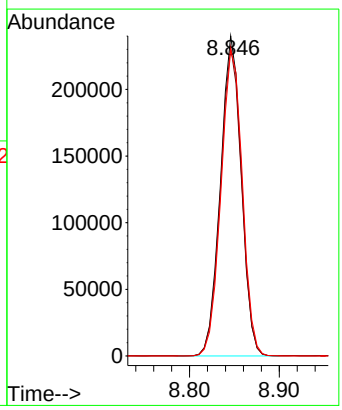


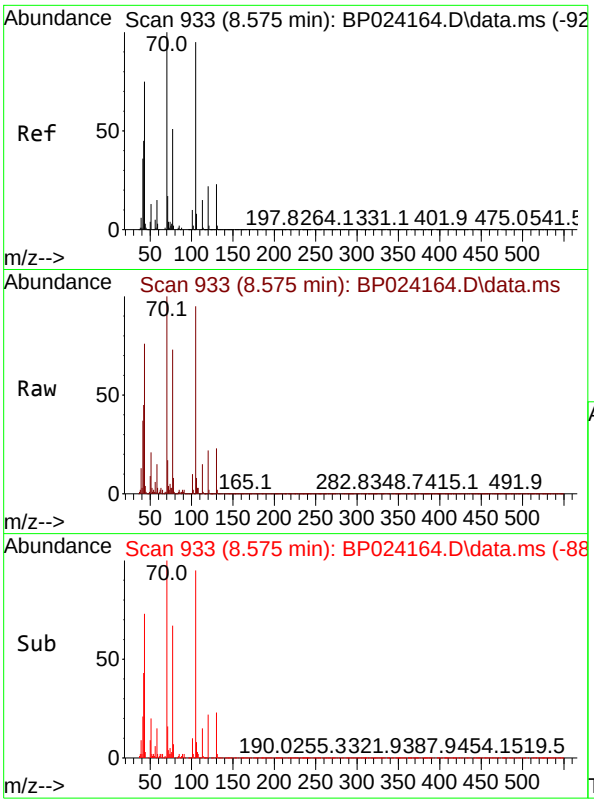




#18
Hexachloroethane
Concen: 37.399 ng
RT: 8.846 min Scan# 979
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:117 Resp: 389110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.7 | 77.4 | 116.0 |
| 201 | 95.7 | 76.6 | 114.8 |



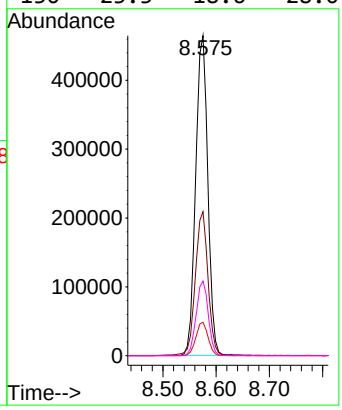


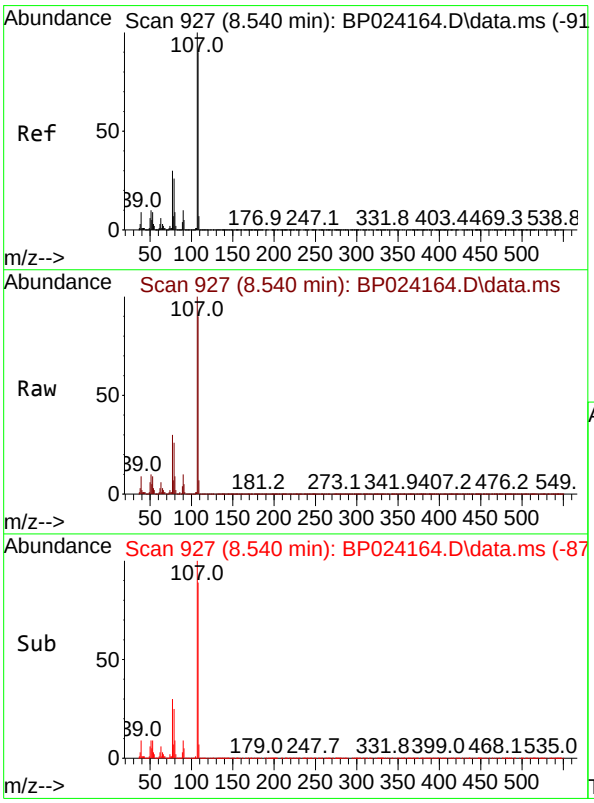

#19
n-Nitroso-di-n-propylamine
Concen: 43.423 ng
RT: 8.575 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 70 Resp: 737233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 45.0 | 36.0 | 54.0 |
| 101 | 10.4 | 8.3 | 12.5 |
| 130 | 23.3 | 18.6 | 28.0 |

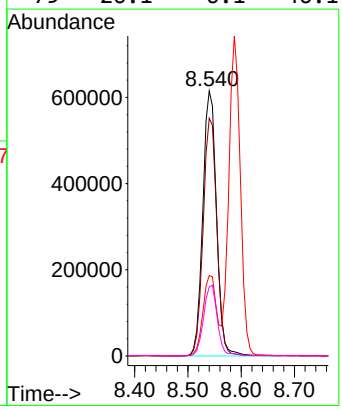


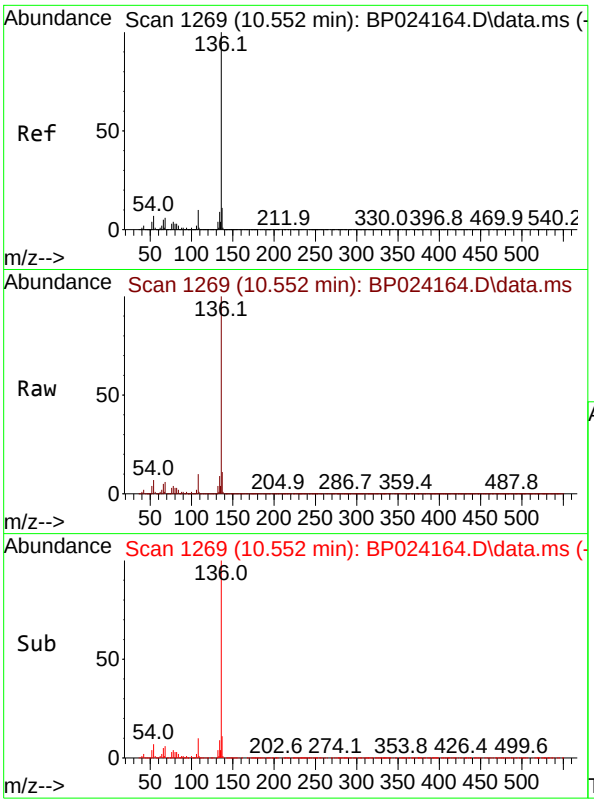




#20
3+4-Methylphenols
Concen: 41.727 ng
RT: 8.540 min Scan# 927
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:107 Resp: 1098375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.7 | 69.7 | 109.7 |
| 77 | 30.3 | 10.3 | 50.3 |
| 79 | 26.1 | 6.1 | 46.1 |



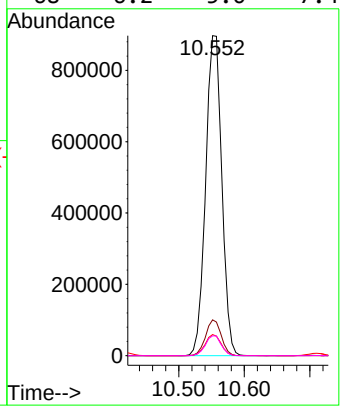


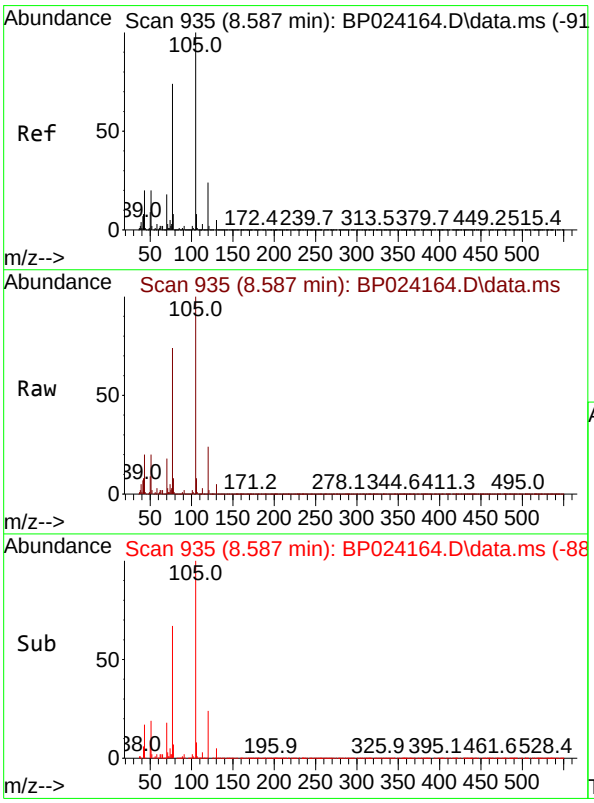

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.552 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:136 Resp: 1538579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 9.0 | 13.4 |
| 54 | 6.6 | 5.3 | 7.9 |
| 68 | 6.2 | 5.0 | 7.4 |

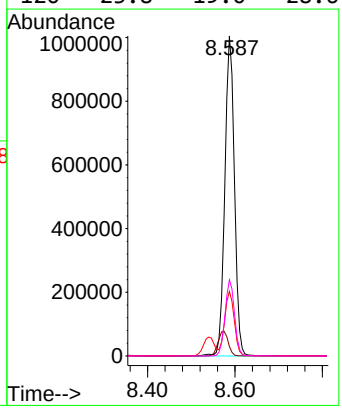


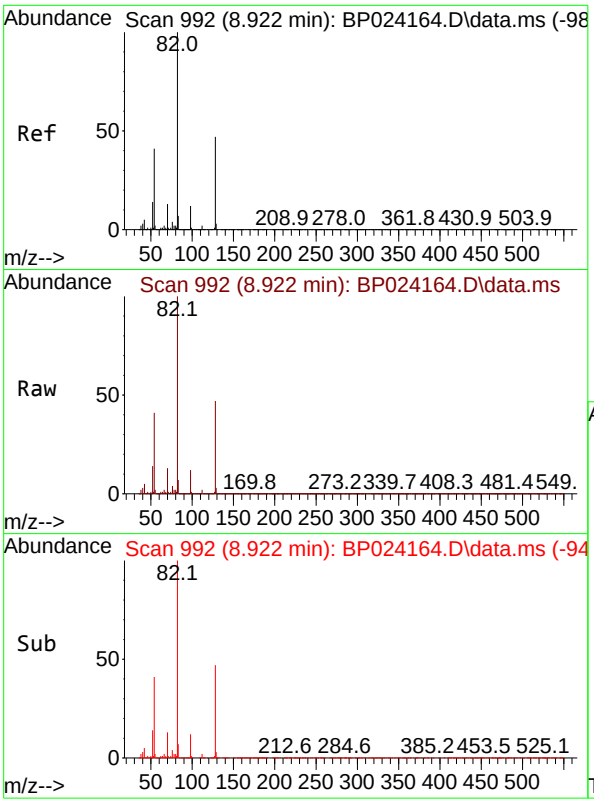




#22
Acetophenone
Concen: 38.574 ng
RT: 8.587 min Scan# 935
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:105 Resp: 1525122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 3.0 | 2.4 | 3.6 |
| 51 | 20.2 | 16.2 | 24.2 |
| 120 | 23.8 | 19.0 | 28.6 |



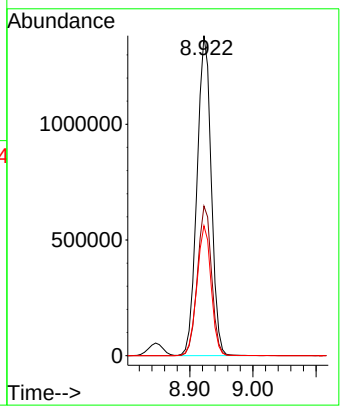


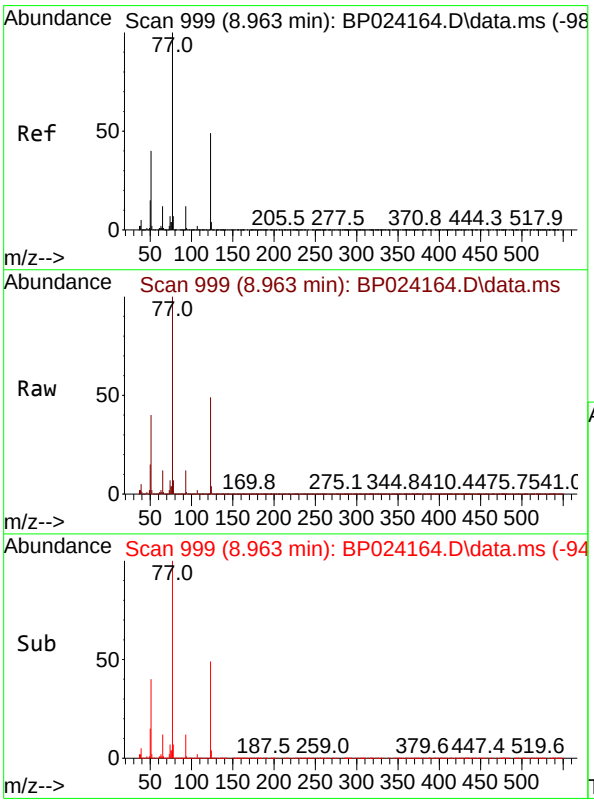

#23
Nitrobenzene-d5
Concen: 78.240 ng
RT: 8.922 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 82 Resp: 2157744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.7 | 37.4 | 56.0 |
| 54 | 40.6 | 32.5 | 48.7 |

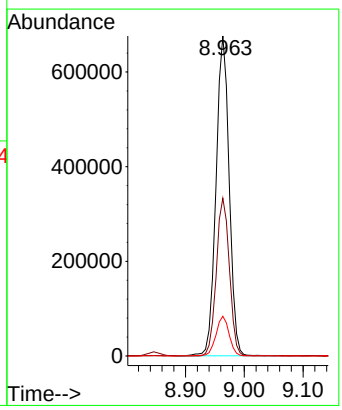


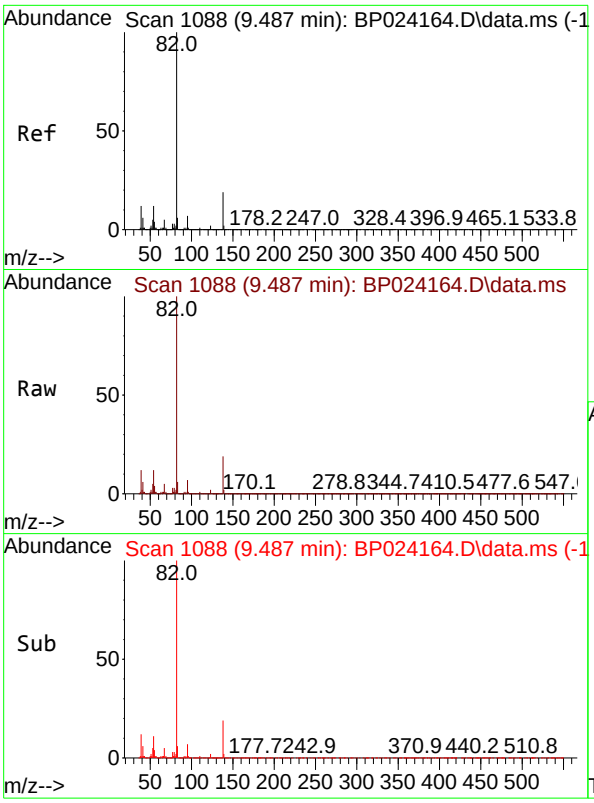




#24
Nitrobenzene
Concen: 38.662 ng
RT: 8.963 min Scan# 999
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion: 77 Resp: 1049347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 49.3 | 39.4 | 59.2 |
| 65 | 12.4 | 9.9 | 14.9 |



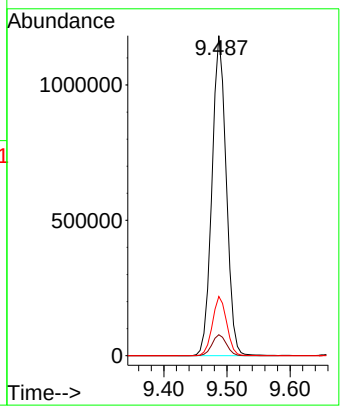


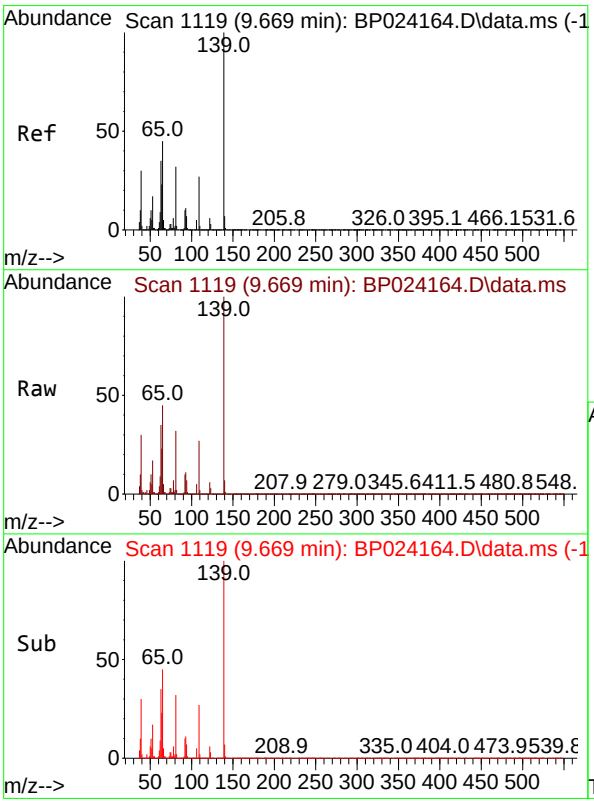

#25
Isophorone
Concen: 41.100 ng
RT: 9.487 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 82 Resp: 1853580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.6 | 5.3 | 7.9 |
| 138 | 18.5 | 14.8 | 22.2 |

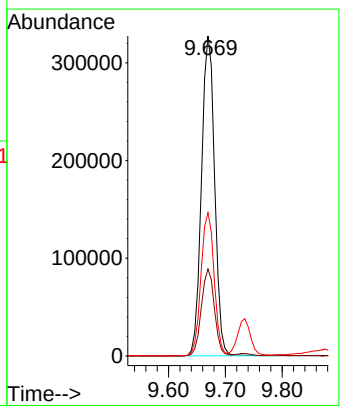


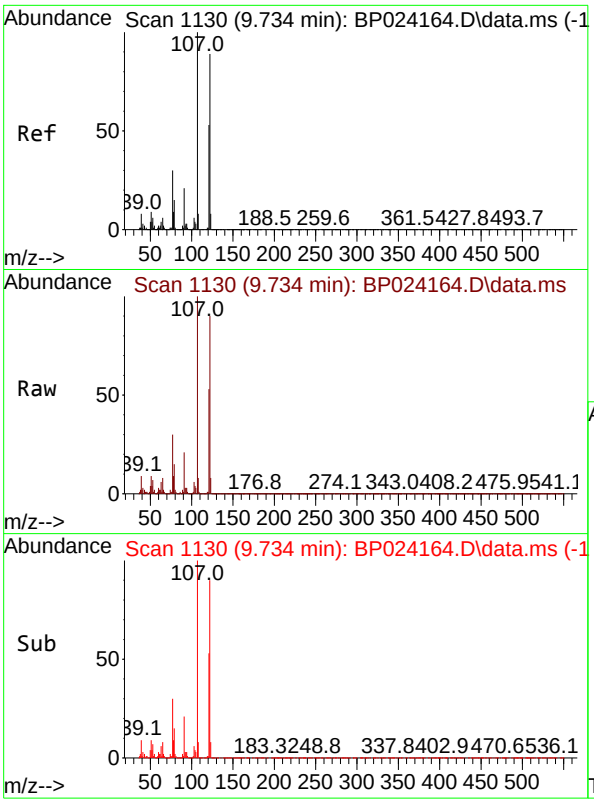




#26
2-Nitrophenol
Concen: 42.034 ng
RT: 9.669 min Scan# 1119
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:139 Resp: 525614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 27.1 | 21.7 | 32.5 |
| 65 | 44.8 | 35.8 | 53.8 |



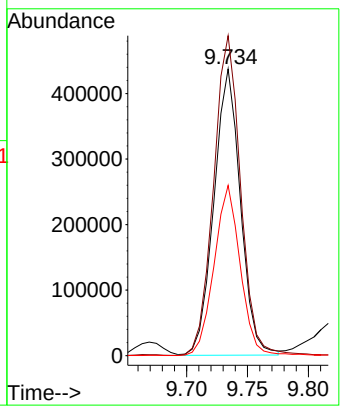


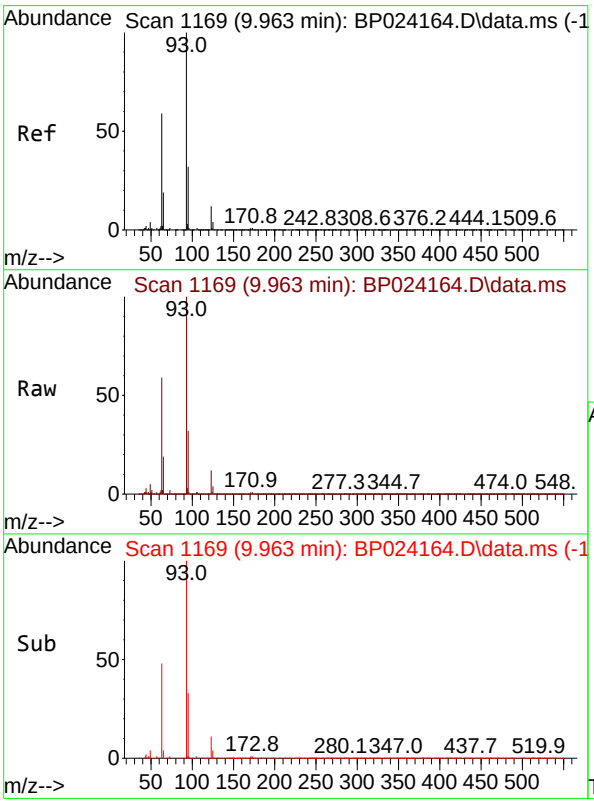

#27
2,4-Dimethylphenol
Concen: 40.316 ng
RT: 9.734 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:122 Resp: 661755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 111.6 | 89.3 | 133.9 |
| 121 | 59.4 | 47.5 | 71.3 |

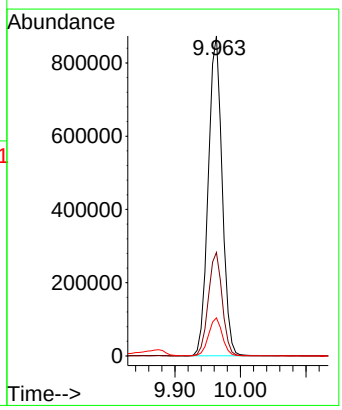


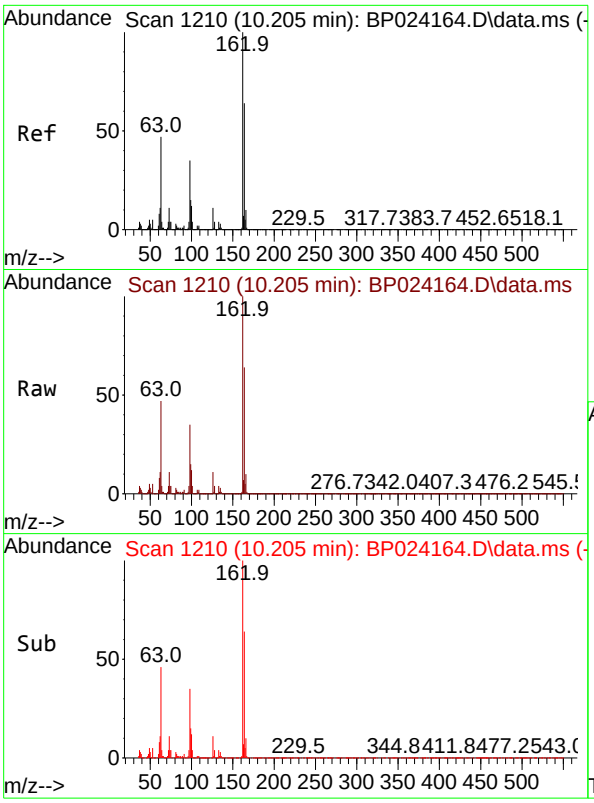




#28
bis(2-Chloroethoxy)methane
Concen: 39.353 ng
RT: 9.963 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion: 93 Resp: 1285698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.4 | 25.9 | 38.9 |
| 123 | 11.9 | 9.5 | 14.3 |



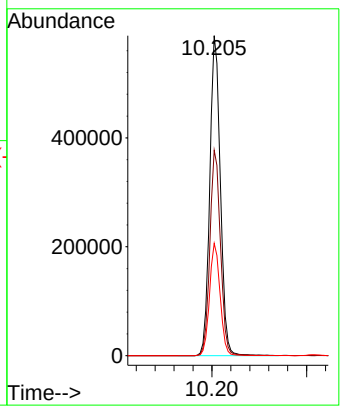


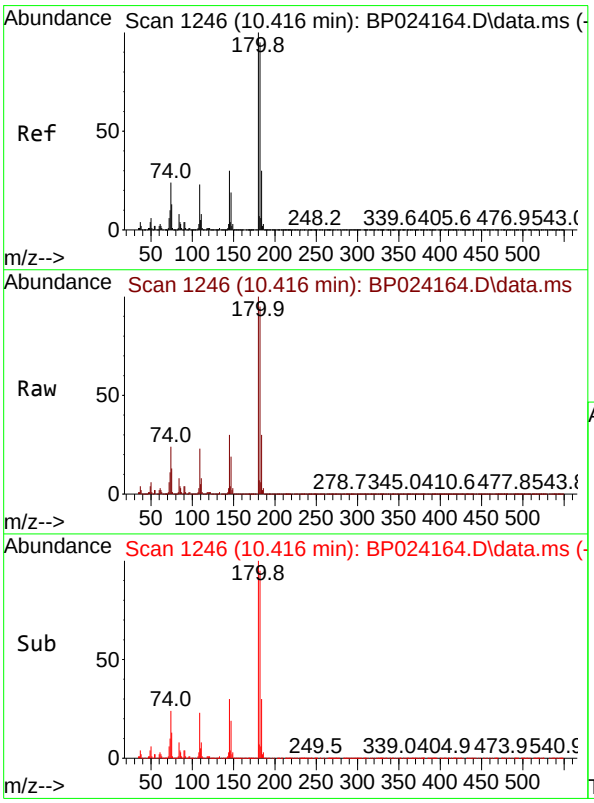

#29
2,4-Dichlorophenol
Concen: 40.720 ng
RT: 10.205 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:162 Resp: 912137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.2 | 44.2 | 84.2 |
| 98 | 35.1 | 15.1 | 55.1 |

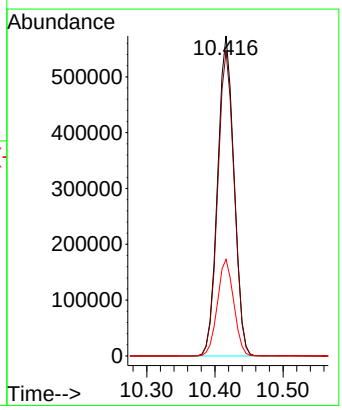


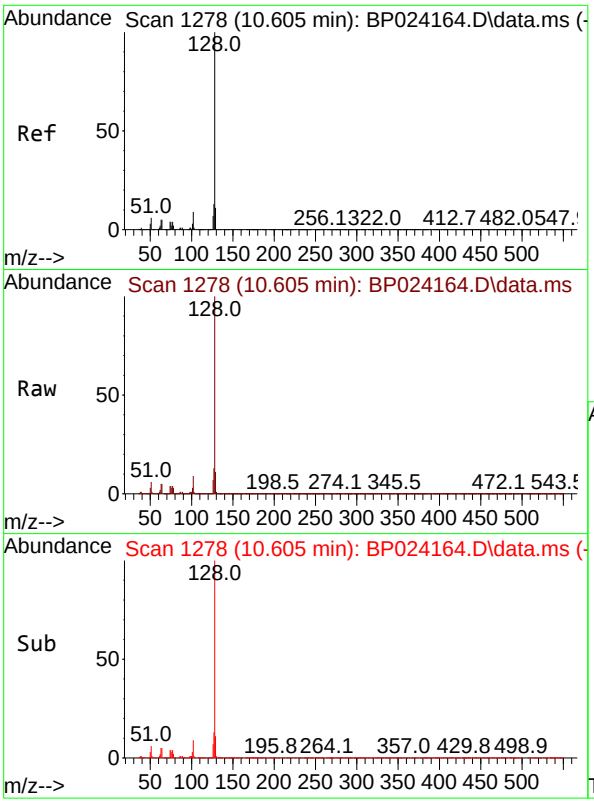




#30
1,2,4-Trichlorobenzene
Concen: 37.439 ng
RT: 10.416 min Scan# 1246
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:180 Resp: 960872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.1 | 76.1 | 114.1 |
| 145 | 30.2 | 24.2 | 36.2 |



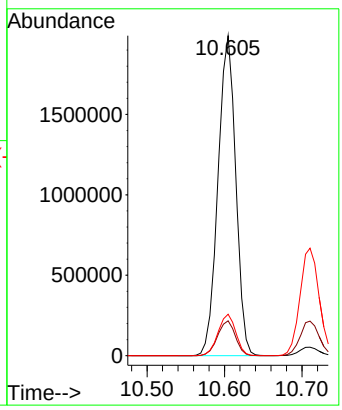


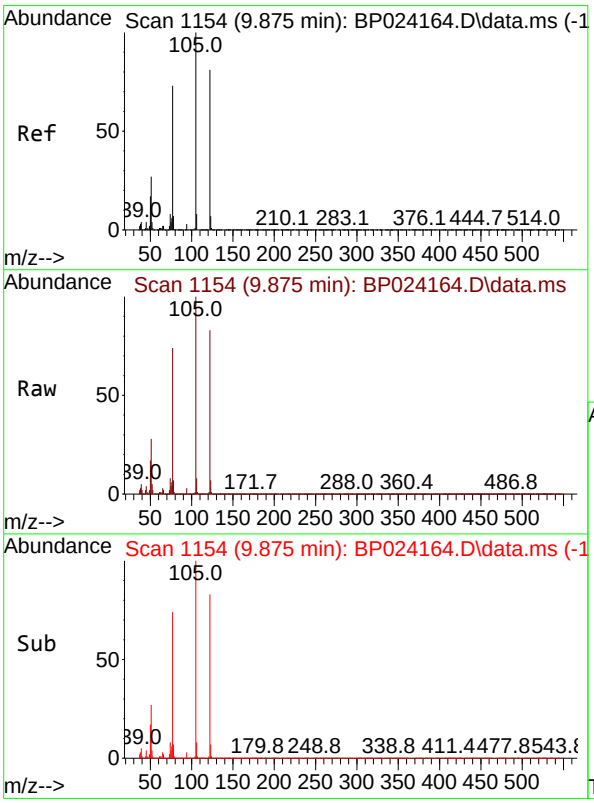

#31
Naphthalene
Concen: 38.287 ng
RT: 10.605 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:128 Resp: 3167478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.7 | 13.1 |
| 127 | 13.0 | 10.4 | 15.6 |

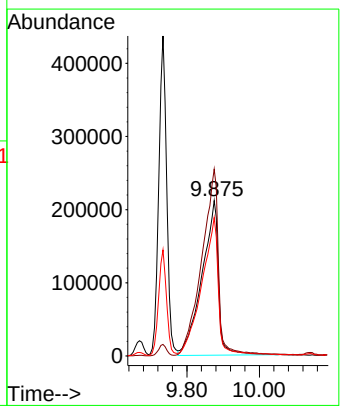


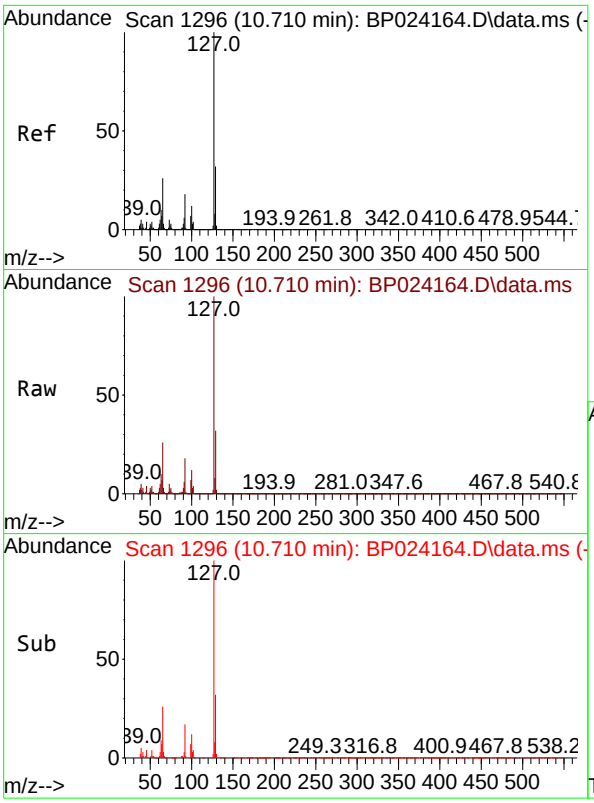




#32
Benzoic acid
Concen: 44.564 ng
RT: 9.875 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:122 Resp: 670600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 120.3 | 100.3 | 140.3 |
| 77 | 89.1 | 69.1 | 109.1 |



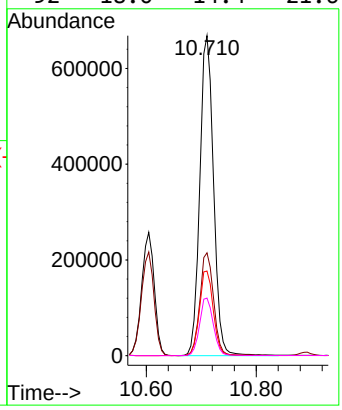


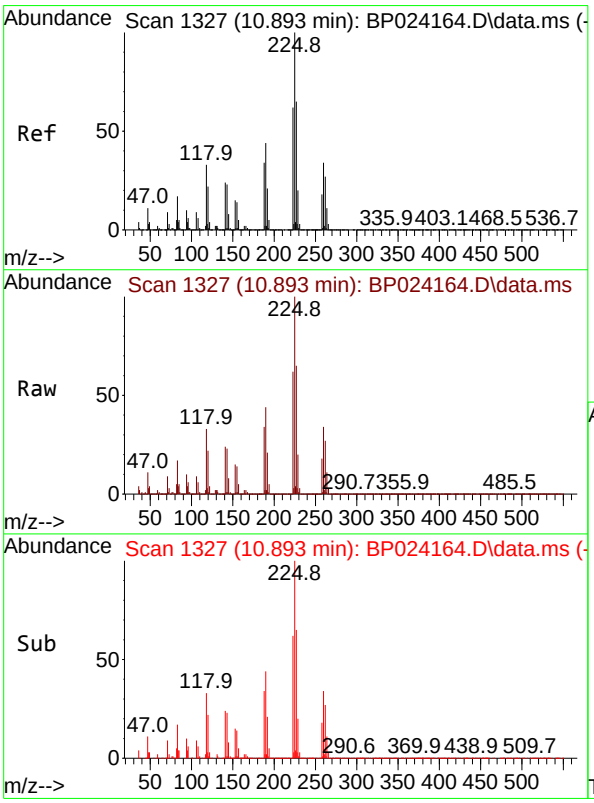

#33
4-Chloroaniline
Concen: 39.789 ng
RT: 10.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:127 Resp: 1159633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.2 | 25.8 | 38.6 |
| 65 | 26.5 | 21.2 | 31.8 |
| 92 | 18.0 | 14.4 | 21.6 |

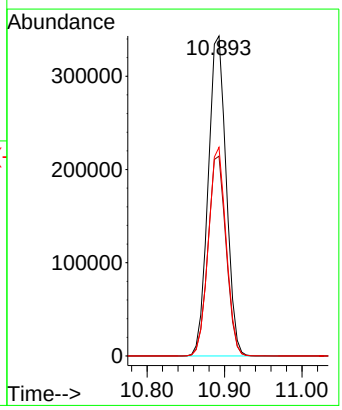


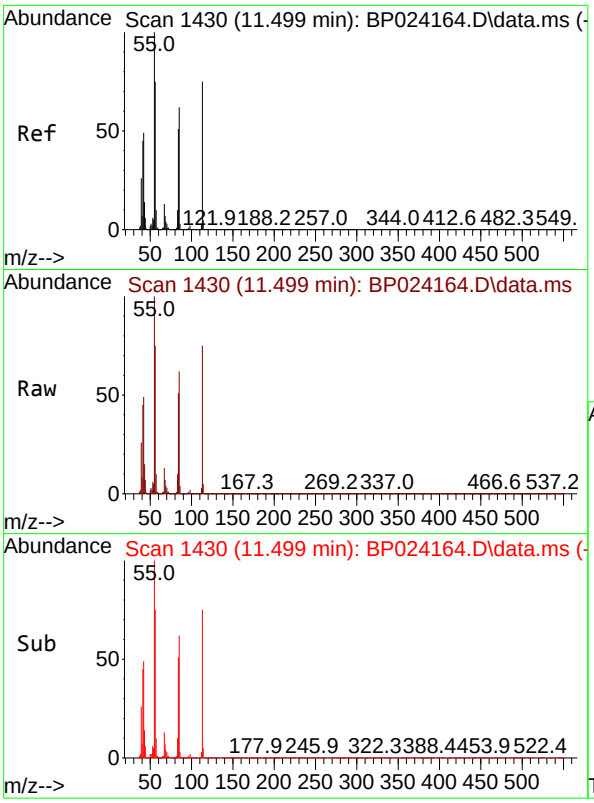




#34
Hexachlorobutadiene
Concen: 37.241 ng
RT: 10.893 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:225 Resp: 553609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.4 | 49.9 | 74.9 |
| 227 | 65.2 | 52.2 | 78.2 |



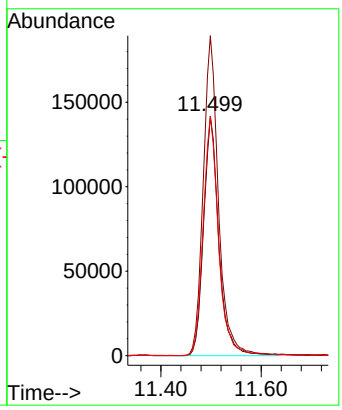


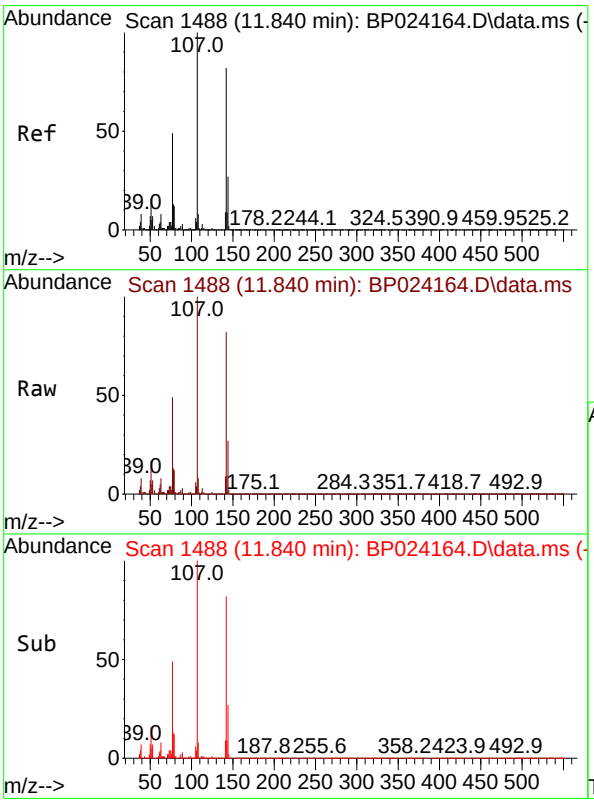

#35
Caprolactam
Concen: 44.083 ng
RT: 11.499 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:113 Resp: 299017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 133.6 | 113.6 | 153.6 |
| 56 | 100.0 | 80.0 | 120.0 |

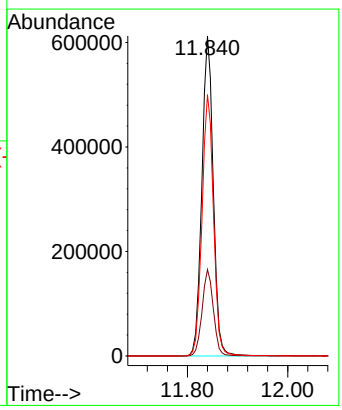


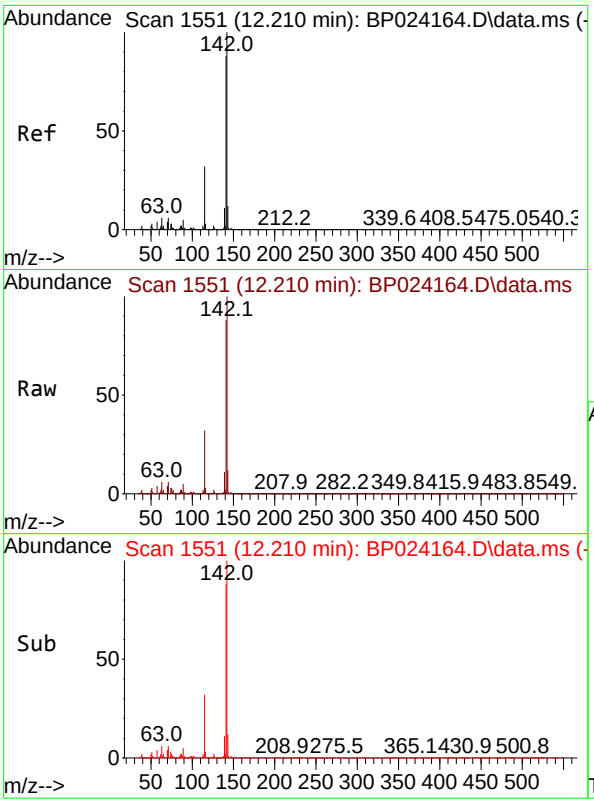




#36
4-Chloro-3-methylphenol
Concen: 41.977 ng
RT: 11.840 min Scan# 1488
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:107 Resp: 966642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 27.0 | 21.6 | 32.4 |
| 142 | 81.7 | 65.4 | 98.0 |



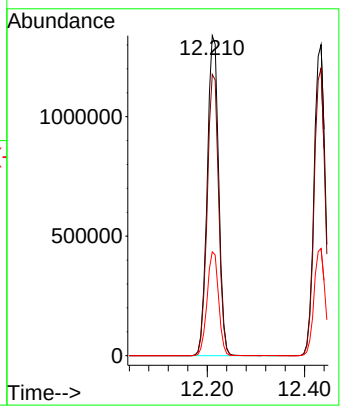


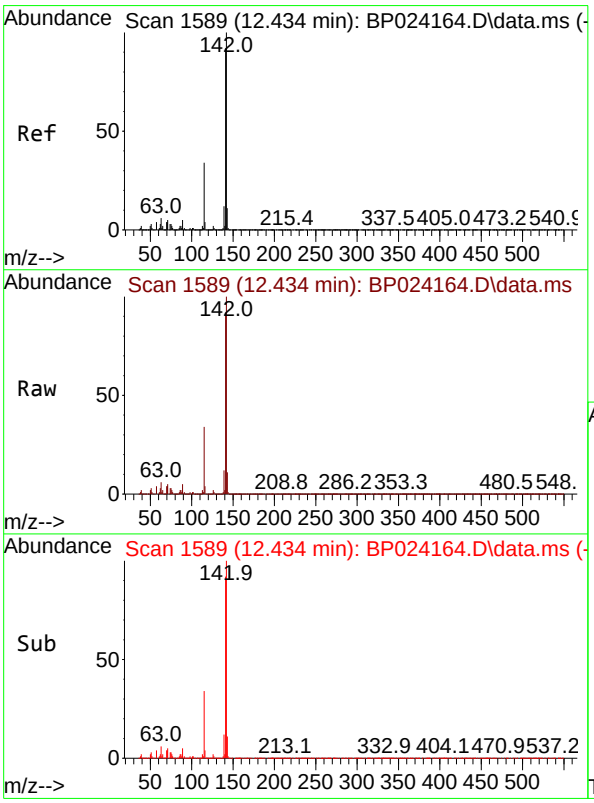

#37
2-Methylnaphthalene
Concen: 39.419 ng
RT: 12.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:142 Resp: 2167502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.9 | 70.3 | 105.5 |
| 115 | 32.5 | 26.0 | 39.0 |

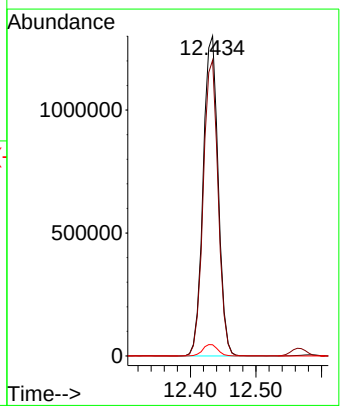


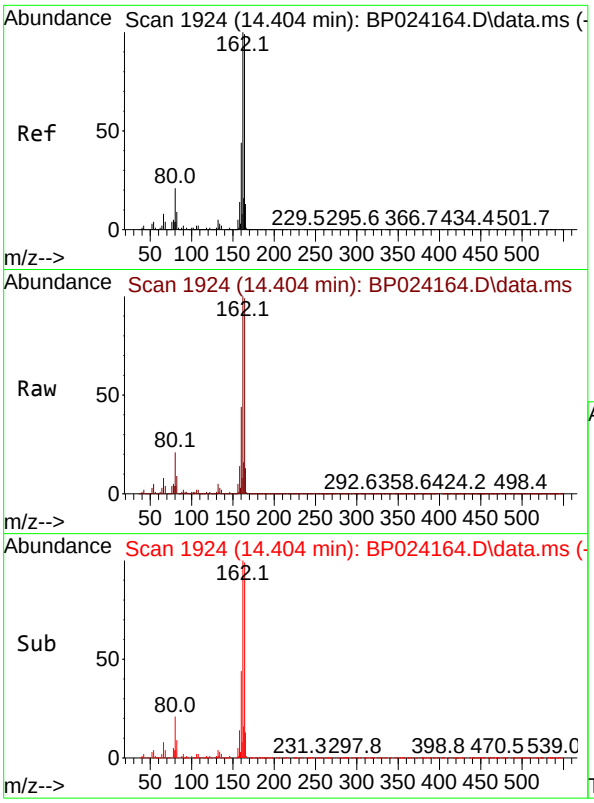




#38
1-Methylnaphthalene
Concen: 38.734 ng
RT: 12.434 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:142 Resp: 2071946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.4 | 73.9 | 110.9 |
| 116 | 3.5 | 2.8 | 4.2 |



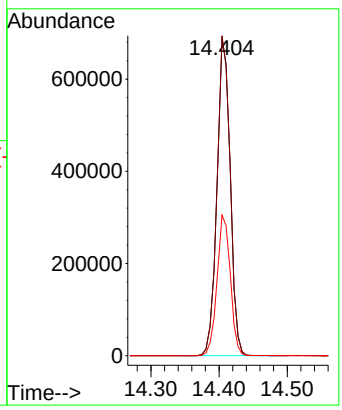


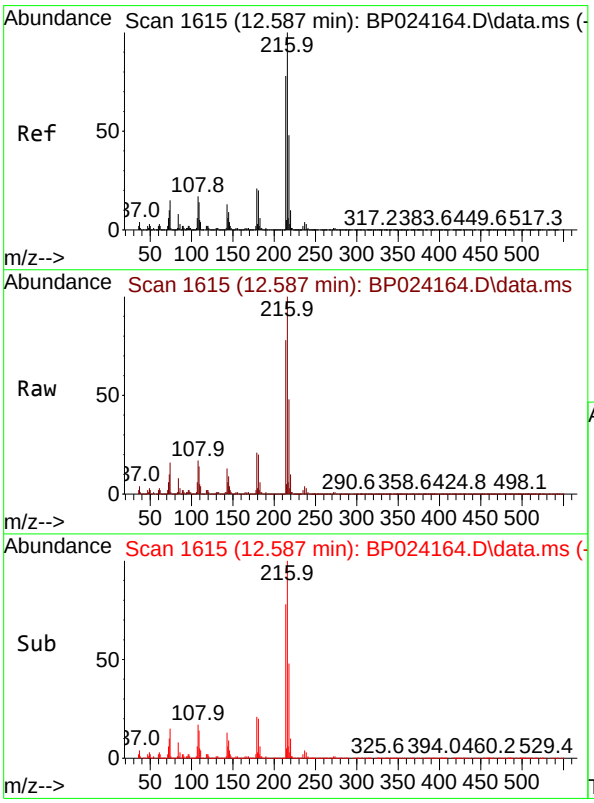

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:164 Resp: 930584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.8 | 80.6 | 121.0 |
| 160 | 44.3 | 35.4 | 53.2 |

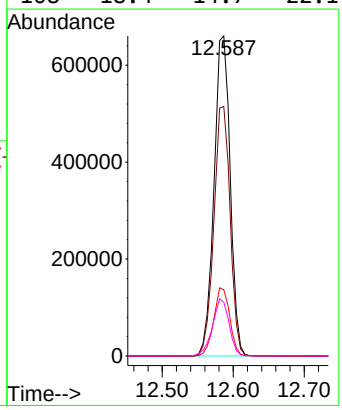


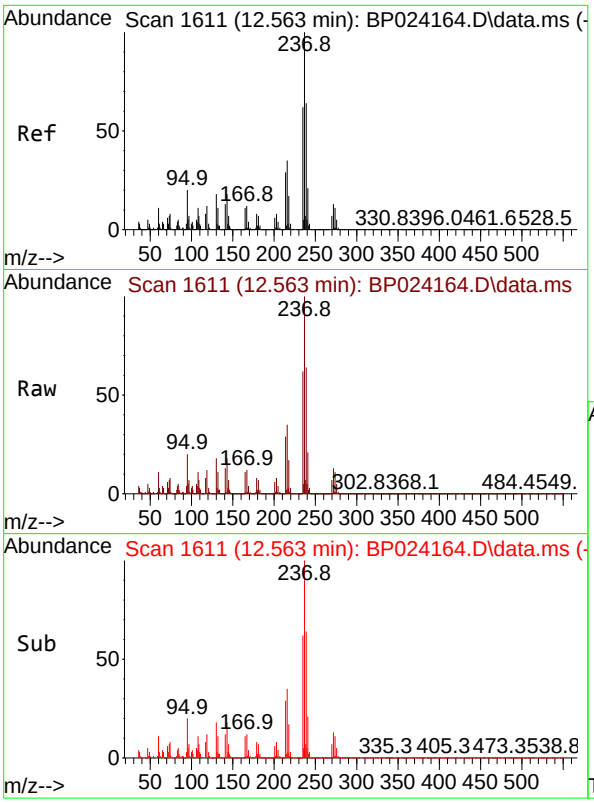




#40
1,2,4,5-Tetrachlorobenzene
Concen: 36.348 ng
RT: 12.587 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:216 Resp: 1039275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.5 | 62.8 | 94.2 |
| 179 | 21.0 | 16.8 | 25.2 |
| 108 | 18.4 | 14.7 | 22.1 |



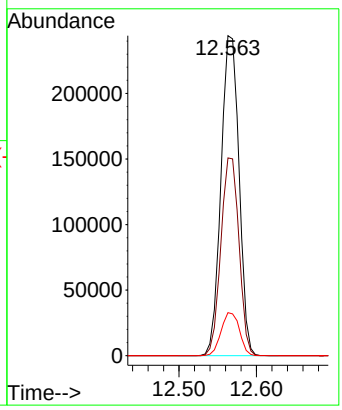


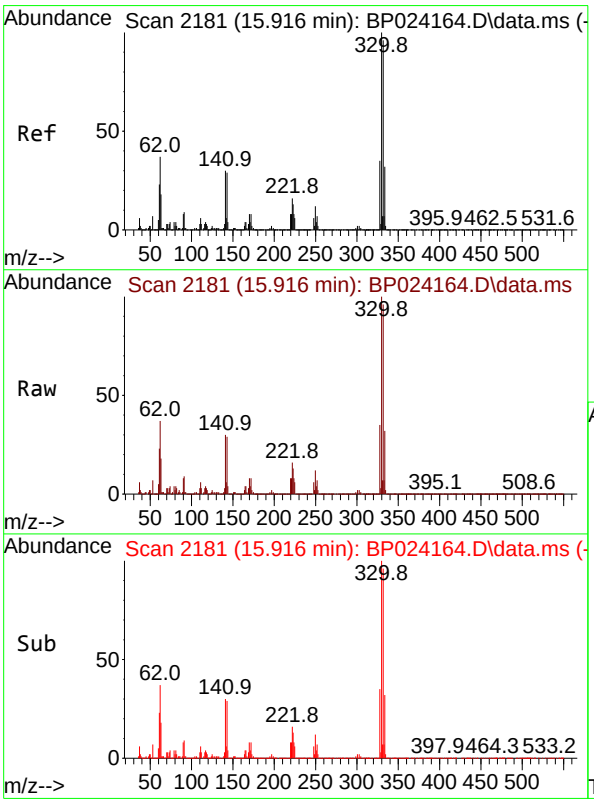

#41
Hexachlorocyclopentadiene
Concen: 37.139 ng
RT: 12.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:237 Resp: 395145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.8 | 41.8 | 81.8 |
| 272 | 13.5 | 0.0 | 33.5 |

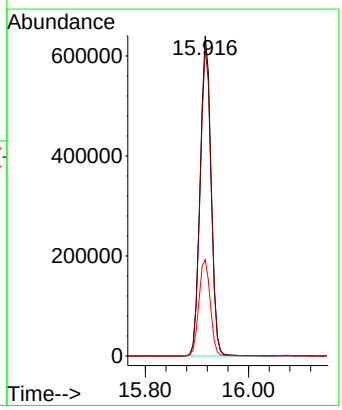


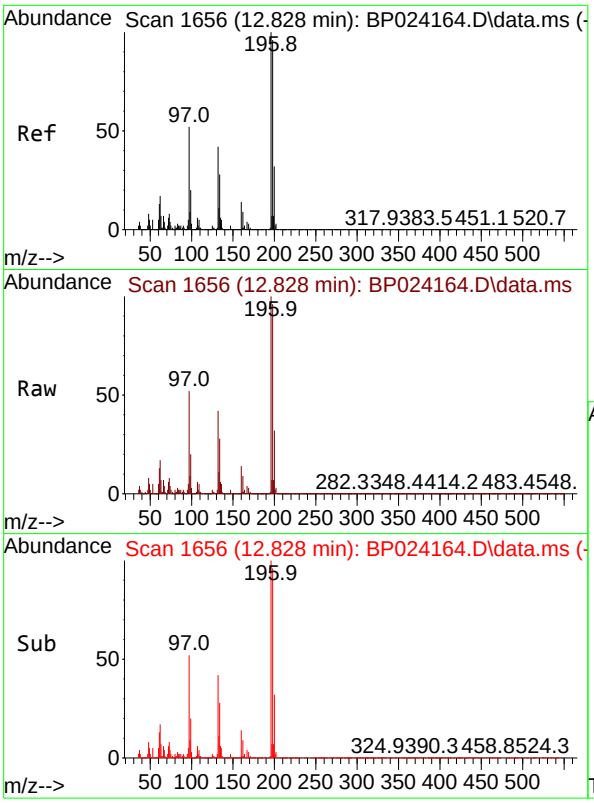




#42
2,4,6-Tribromophenol
Concen: 82.309 ng
RT: 15.916 min Scan# 2181
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:330 Resp: 938209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.0 | 77.6 | 116.4 |
| 141 | 31.3 | 25.0 | 37.6 |



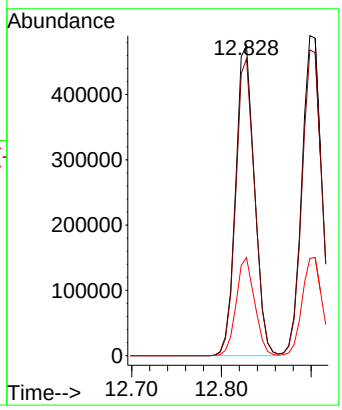


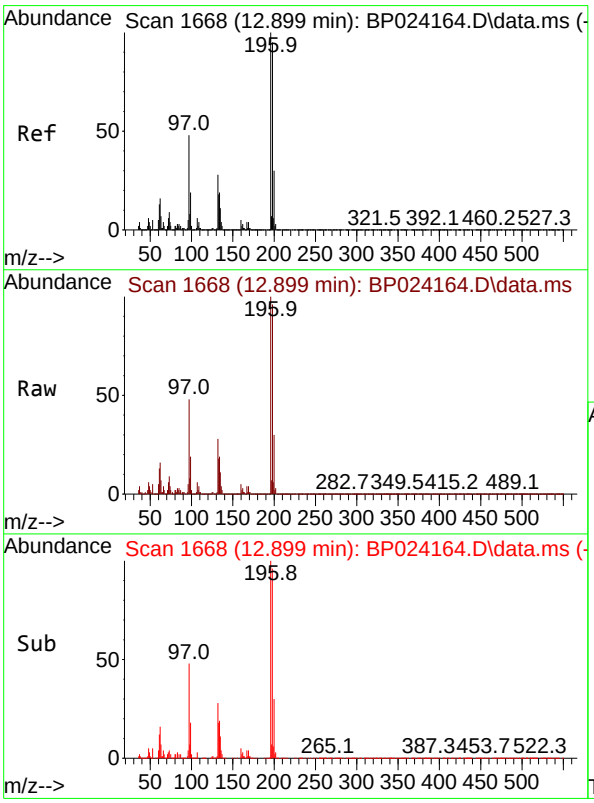

#43
2,4,6-Trichlorophenol
Concen: 39.731 ng
RT: 12.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:196 Resp: 692810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.8 | 76.6 | 115.0 |
| 200 | 31.7 | 25.4 | 38.0 |

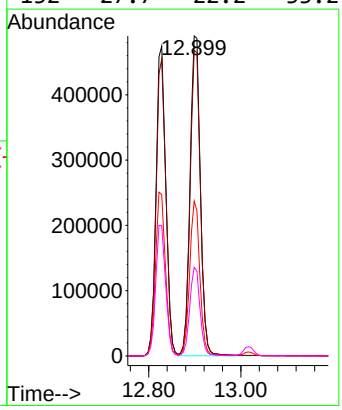


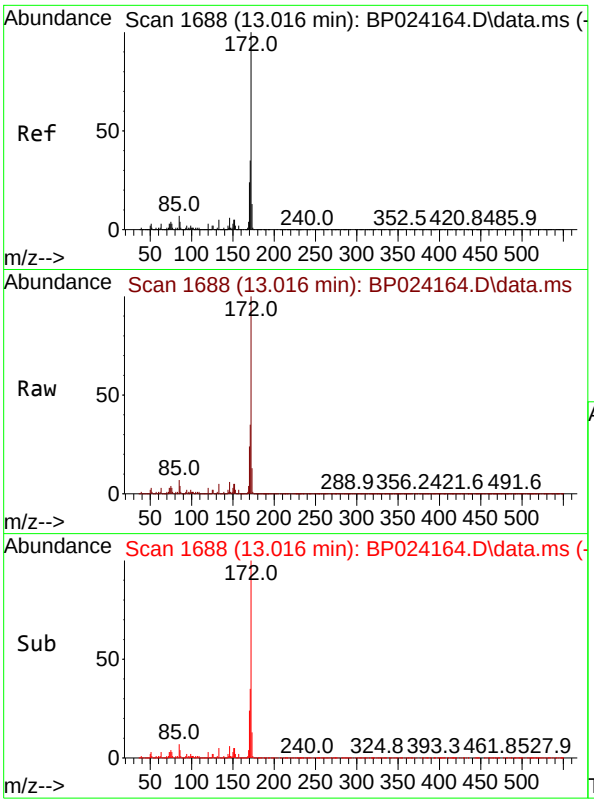




#44
2,4,5-Trichlorophenol
Concen: 39.872 ng
RT: 12.899 min Scan# 1668
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:196 Resp: 760360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.6 | 76.5 | 114.7 |
| 97 | 48.4 | 38.7 | 58.1 |
| 132 | 27.7 | 22.2 | 33.2 |



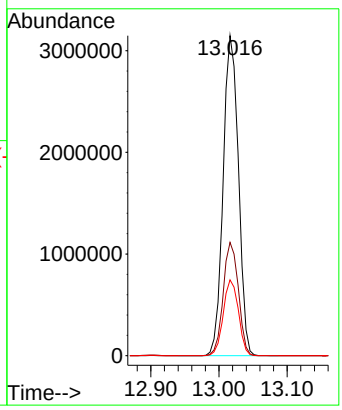


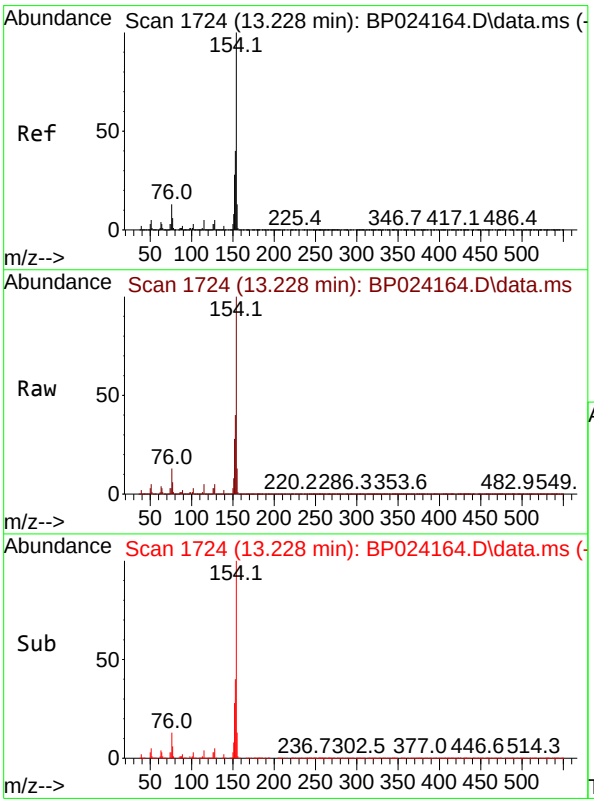

#45
2-Fluorobiphenyl
Concen: 73.785 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:172 Resp: 4911554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 28.3 | 42.5 |
| 170 | 23.7 | 19.0 | 28.4 |

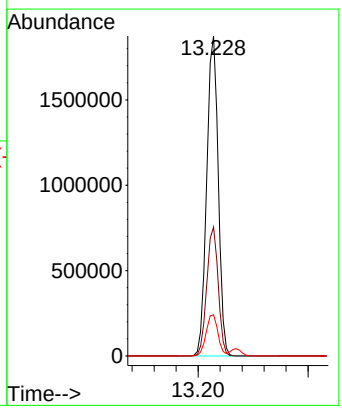


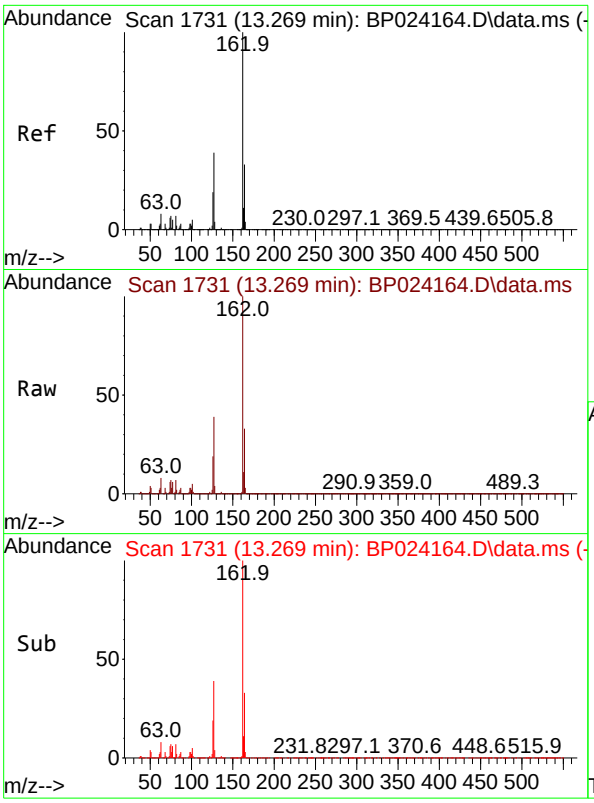




#46
1,1'-Biphenyl
Concen: 37.621 ng
RT: 13.228 min Scan# 1724
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:154 Resp: 2720465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.3 | 20.3 | 60.3 |
| 76 | 12.9 | 0.0 | 32.9 |



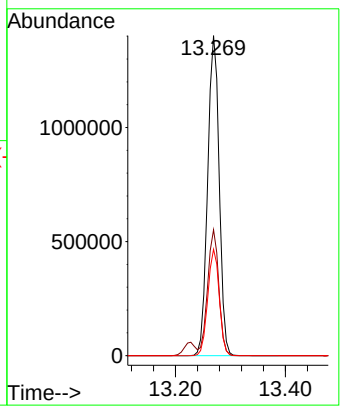


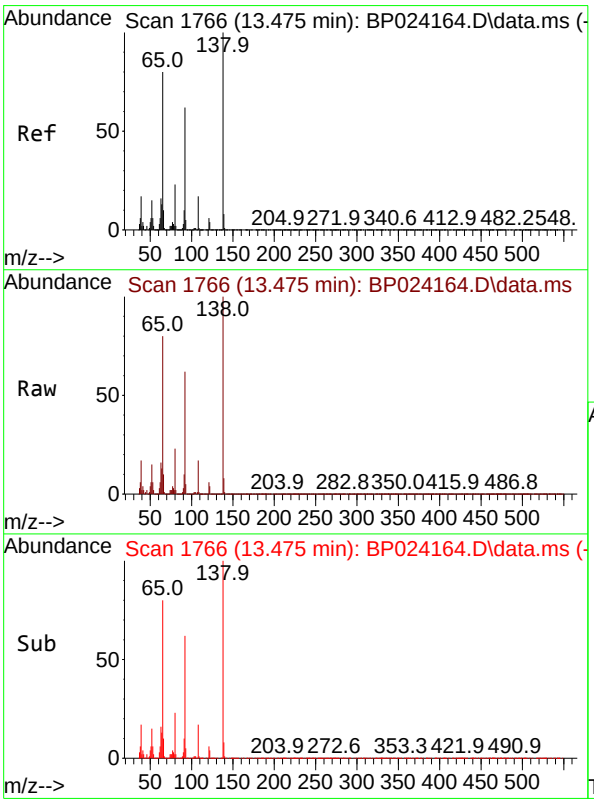

#47
2-Chloronaphthalene
Concen: 37.269 ng
RT: 13.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:162 Resp: 2037284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 39.4 | 31.5 | 47.3 |
| 164 | 33.2 | 26.6 | 39.8 |

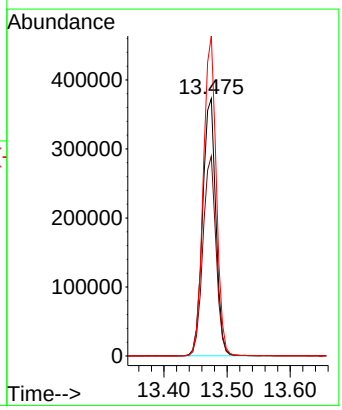


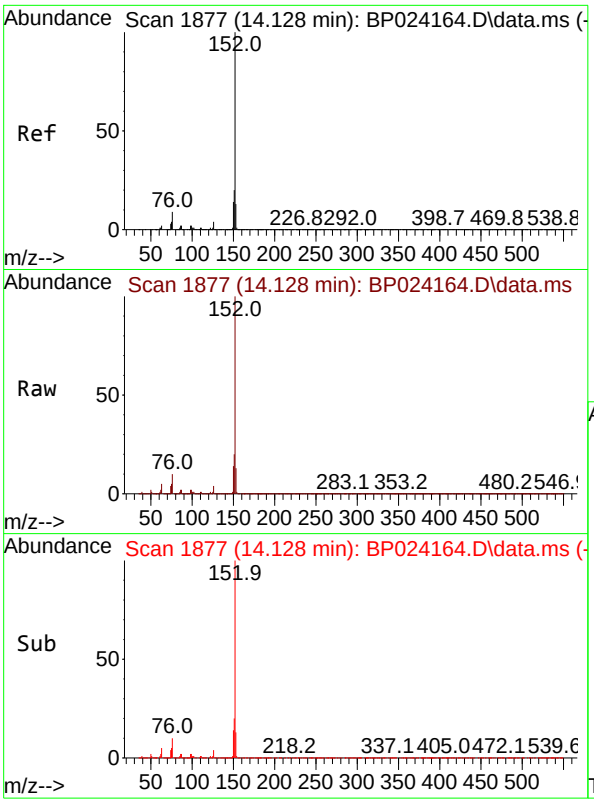




#48
2-Nitroaniline
Concen: 42.085 ng
RT: 13.475 min Scan# 1766
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion: 65 Resp: 543429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 77.6 | 62.1 | 93.1 |
| 138 | 124.4 | 99.5 | 149.3 |



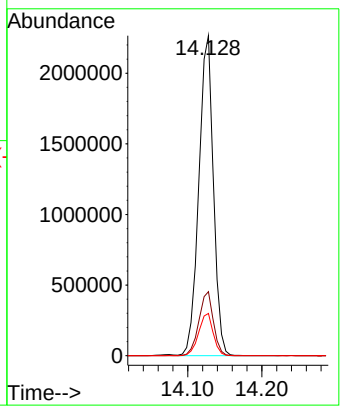


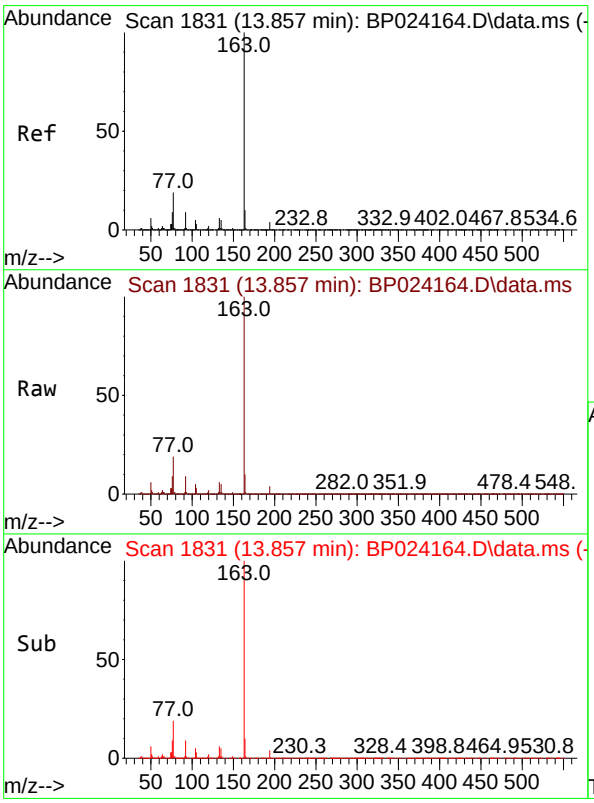

#49
Acenaphthylene
Concen: 38.389 ng
RT: 14.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:152 Resp: 3091813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.0 | 16.0 | 24.0 |
| 153 | 13.2 | 10.6 | 15.8 |

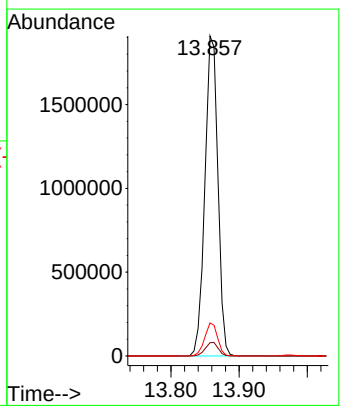


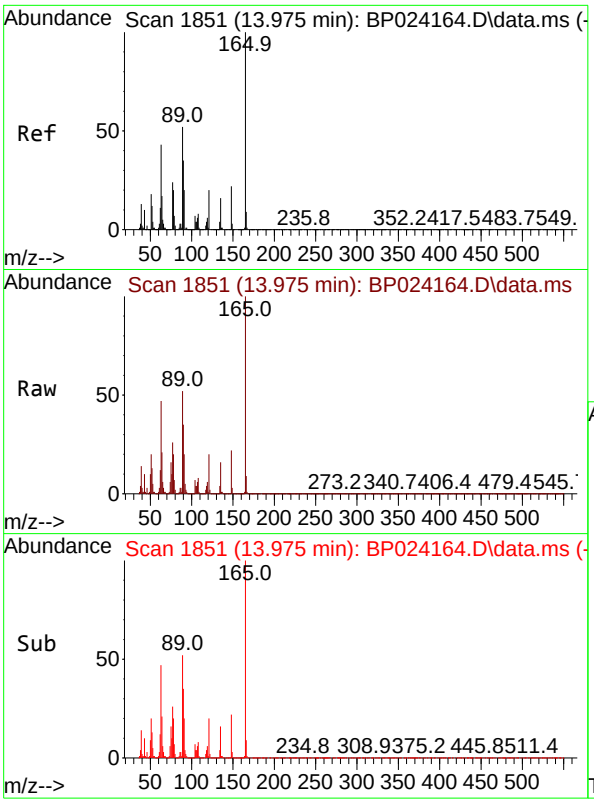




#50
Dimethylphthalate
Concen: 38.493 ng
RT: 13.857 min Scan# 1831
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:163 Resp: 2526732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.4 | 5.0 |
| 164 | 10.3 | 8.2 | 12.4 |



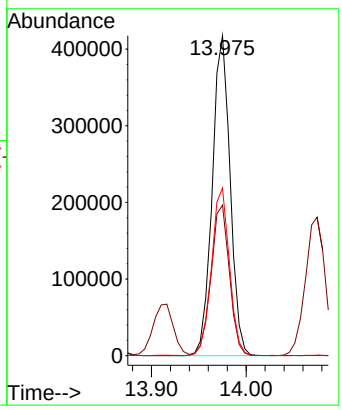


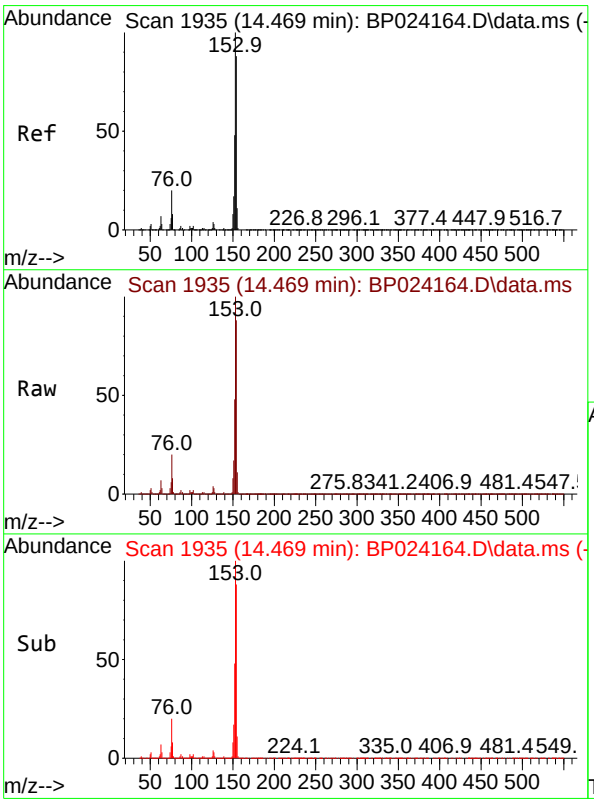

#51
2,6-Dinitrotoluene
Concen: 40.901 ng
RT: 13.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:165 Resp: 546912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 47.1 | 37.7 | 56.5 |
| 89 | 52.4 | 41.9 | 62.9 |

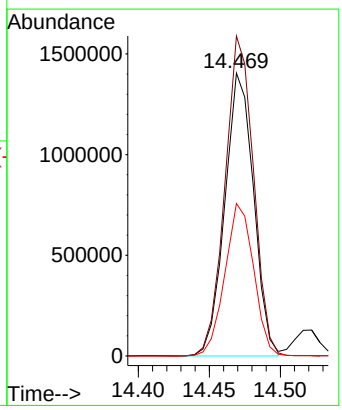


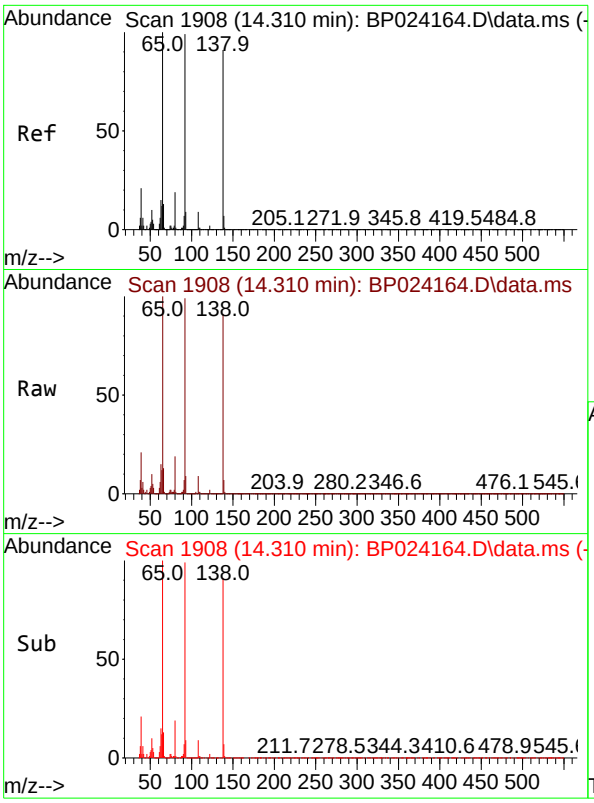




#52
Acenaphthene
Concen: 38.061 ng
RT: 14.469 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:154 Resp: 1973969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.1 | 90.5 | 135.7 |
| 152 | 53.9 | 43.1 | 64.7 |



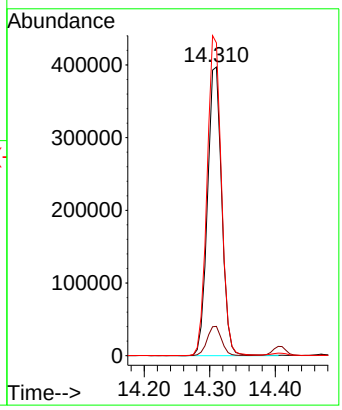


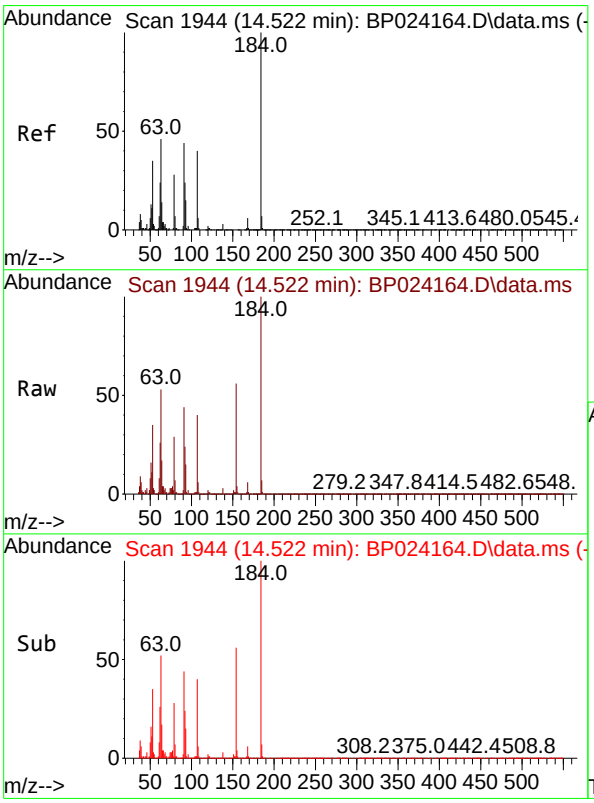

#53
3-Nitroaniline
Concen: 42.038 ng
RT: 14.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:138 Resp: 599822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.2 | 8.2 | 12.2 |
| 92 | 108.4 | 86.7 | 130.1 |

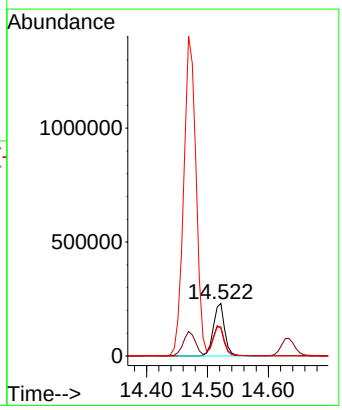


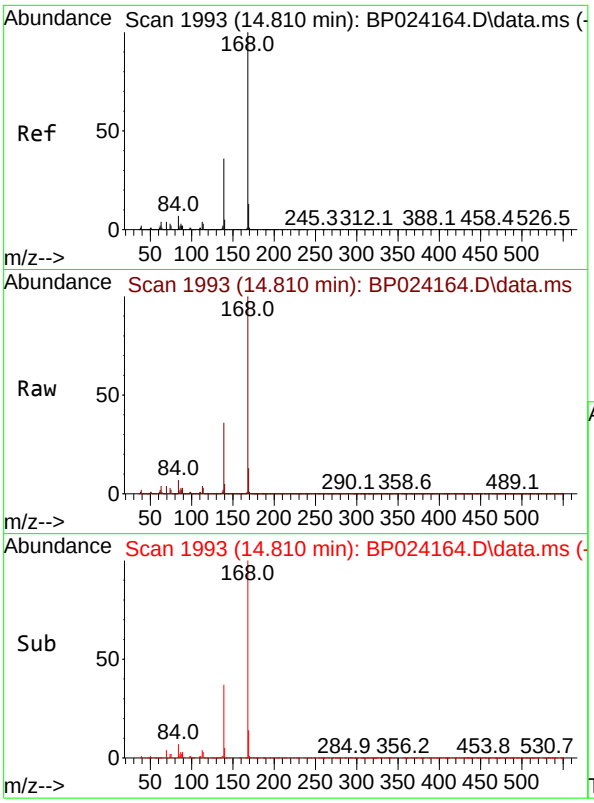




#54
2,4-Dinitrophenol
Concen: 41.760 ng
RT: 14.522 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:184 Resp: 297379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 52.6 | 42.1 | 63.1 |
| 154 | 55.8 | 44.6 | 67.0 |



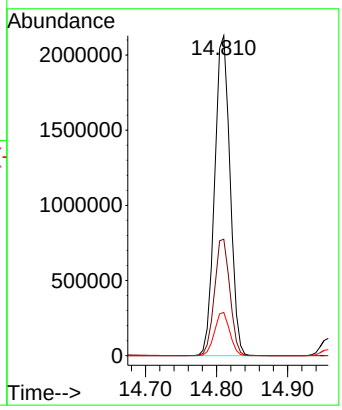


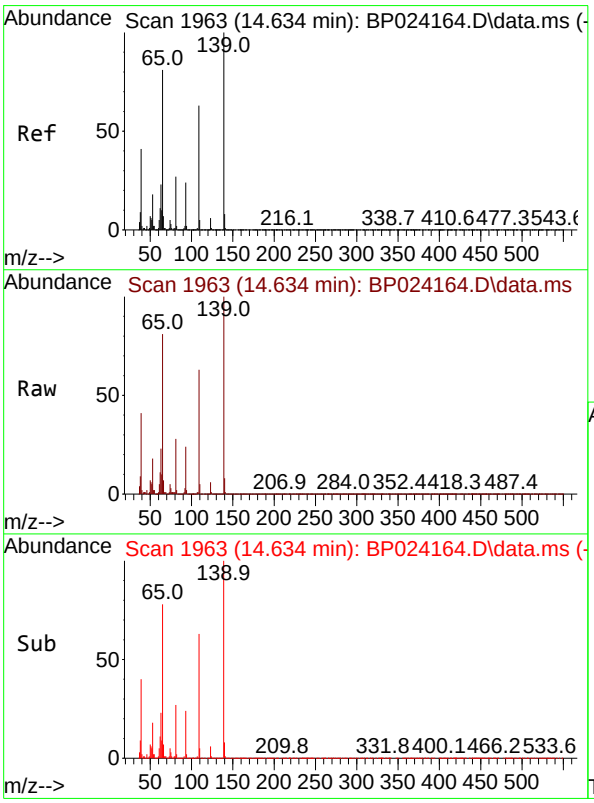

#55
Dibenzofuran
Concen: 37.802 ng
RT: 14.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:168 Resp: 3184940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 36.4 | 29.1 | 43.7 |
| 169 | 13.5 | 10.8 | 16.2 |

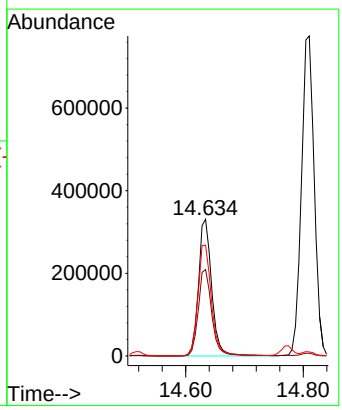


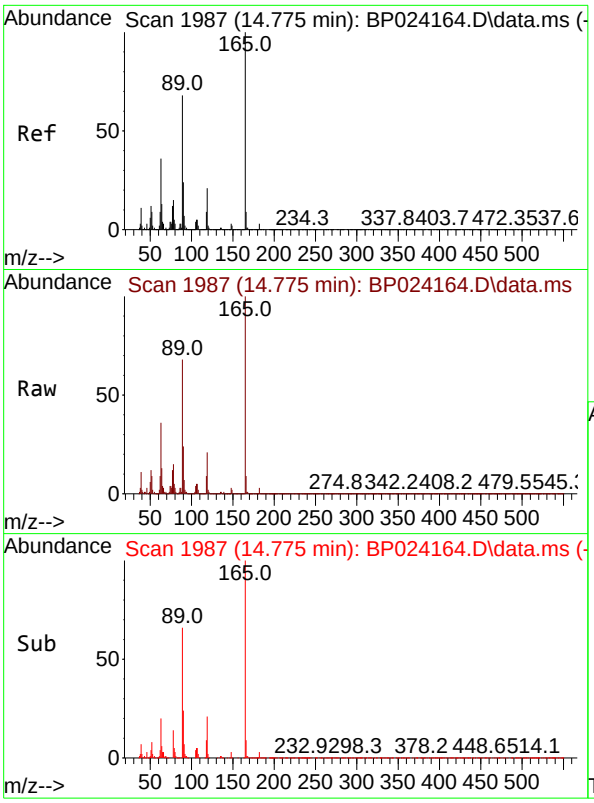




#56
4-Nitrophenol
Concen: 41.811 ng
RT: 14.634 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:139 Resp: 515335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 63.3 | 43.3 | 83.3 |
| 65 | 81.2 | 61.2 | 101.2 |



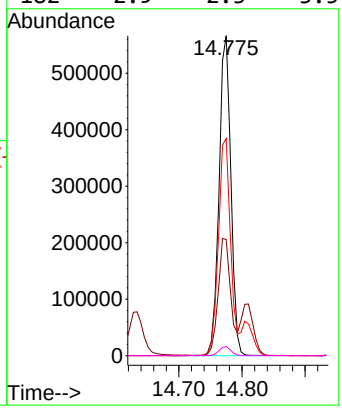


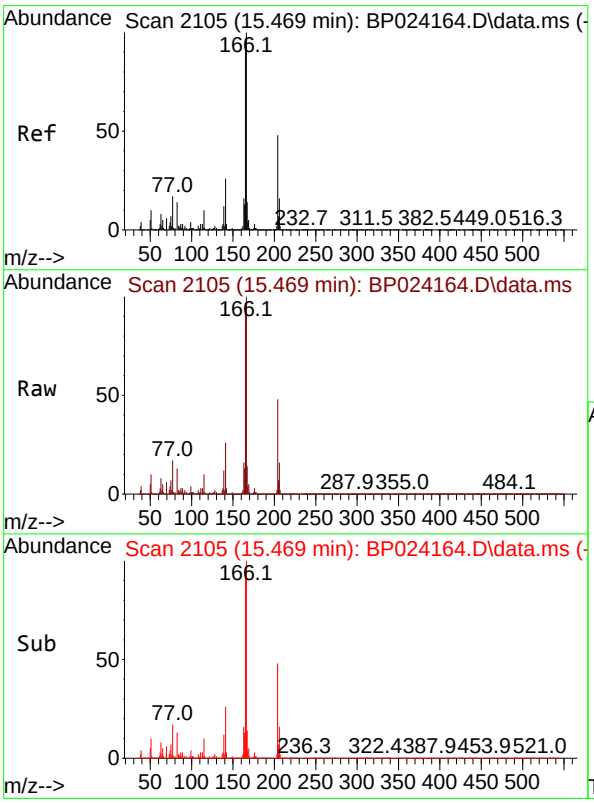

#57
2,4-Dinitrotoluene
Concen: 42.180 ng
RT: 14.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:165 Resp: 732669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 36.3 | 29.0 | 43.6 |
| 89 | 67.8 | 54.2 | 81.4 |
| 182 | 2.9 | 2.3 | 3.5 |

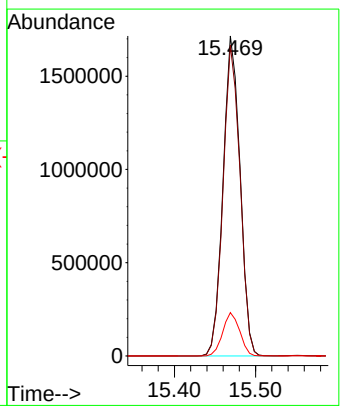


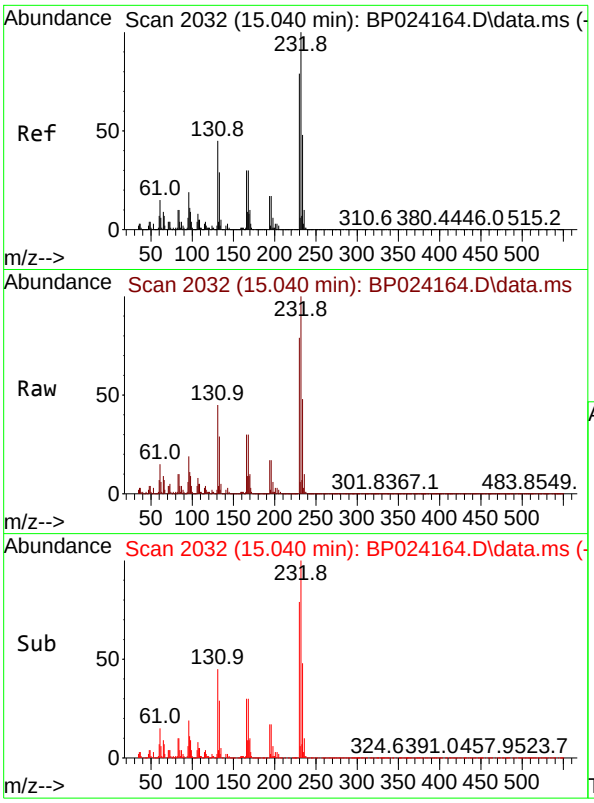




#58
Fluorene
Concen: 38.039 ng
RT: 15.469 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:166 Resp: 2502924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.0 | 77.6 | 116.4 |
| 167 | 13.5 | 10.8 | 16.2 |



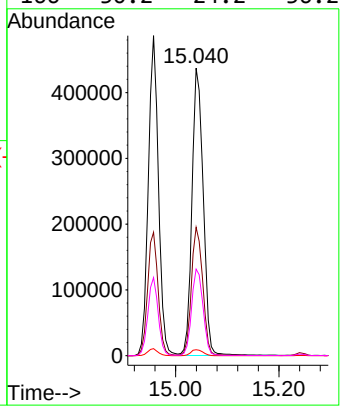


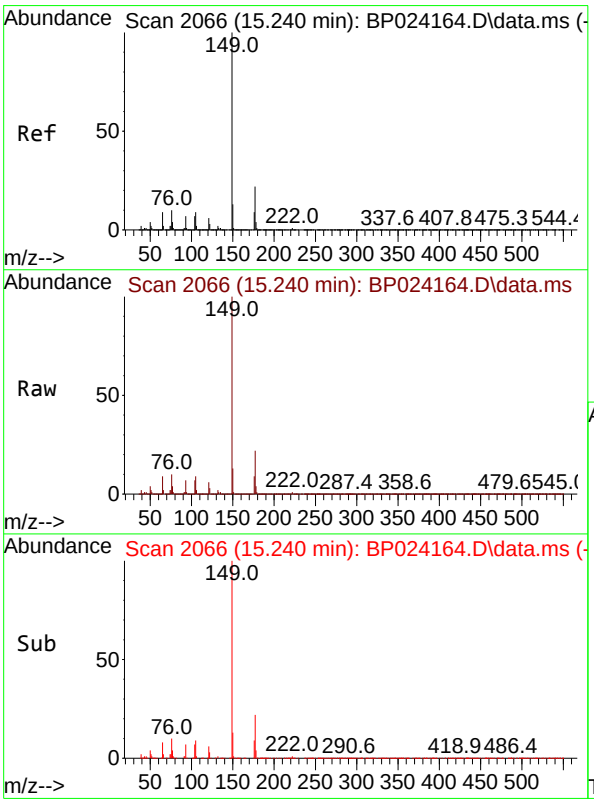

#59
2,3,4,6-Tetrachlorophenol
Concen: 40.068 ng
RT: 15.040 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:232 Resp: 662947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 44.9 | 35.9 | 53.9 |
| 130 | 2.2 | 1.8 | 2.6 |
| 166 | 30.2 | 24.2 | 36.2 |

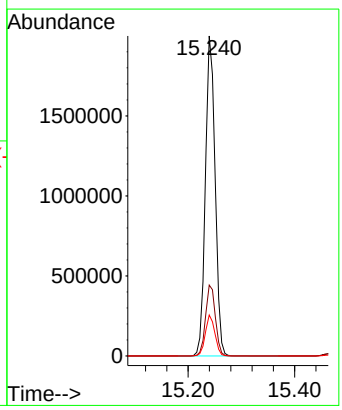


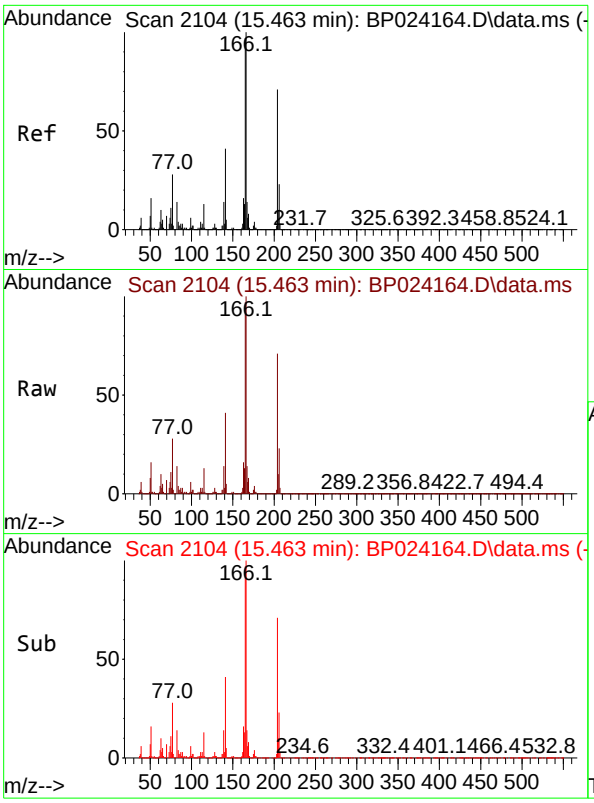




#60
Diethylphthalate
Concen: 38.794 ng
RT: 15.240 min Scan# 2066
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:149 Resp: 2527904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.1 | 17.7 | 26.5 |
| 150 | 12.8 | 10.2 | 15.4 |



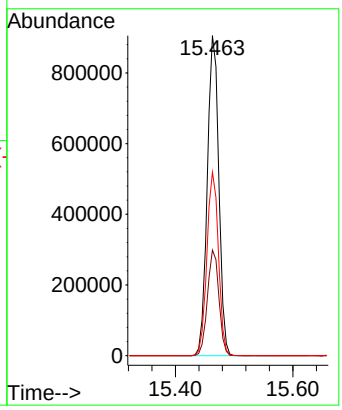


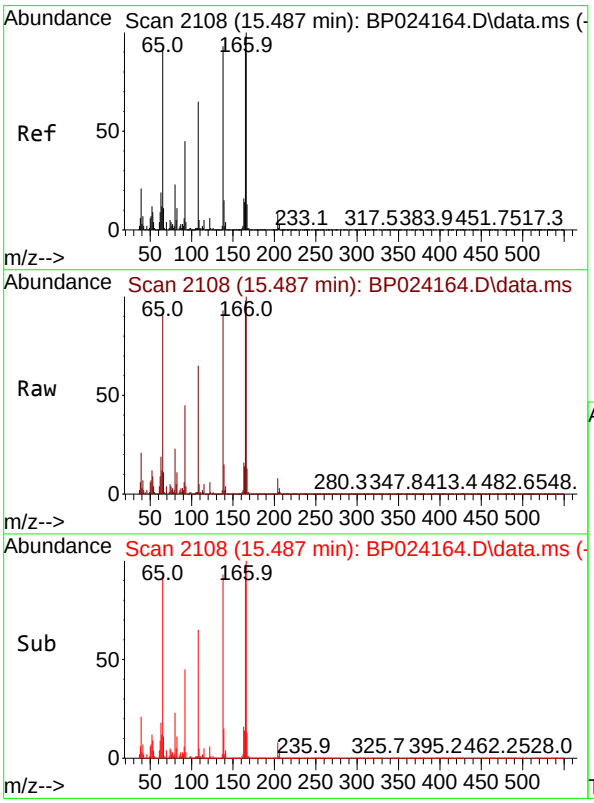

#61
4-Chlorophenyl-phenylether
Concen: 37.829 ng
RT: 15.463 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:204 Resp: 1225168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.0 | 26.4 | 39.6 |
| 141 | 57.3 | 45.8 | 68.8 |

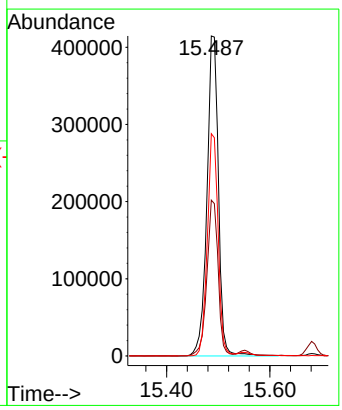


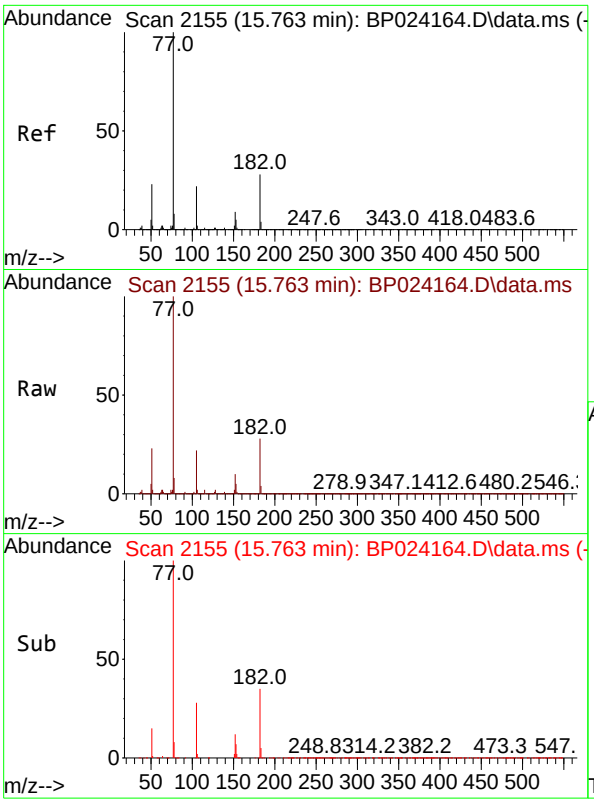




#62
4-Nitroaniline
Concen: 43.134 ng
RT: 15.487 min Scan# 2108
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:138 Resp: 638694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 48.7 | 28.7 | 68.7 |
| 108 | 69.5 | 49.5 | 89.5 |



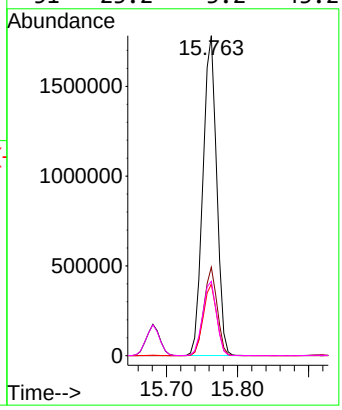


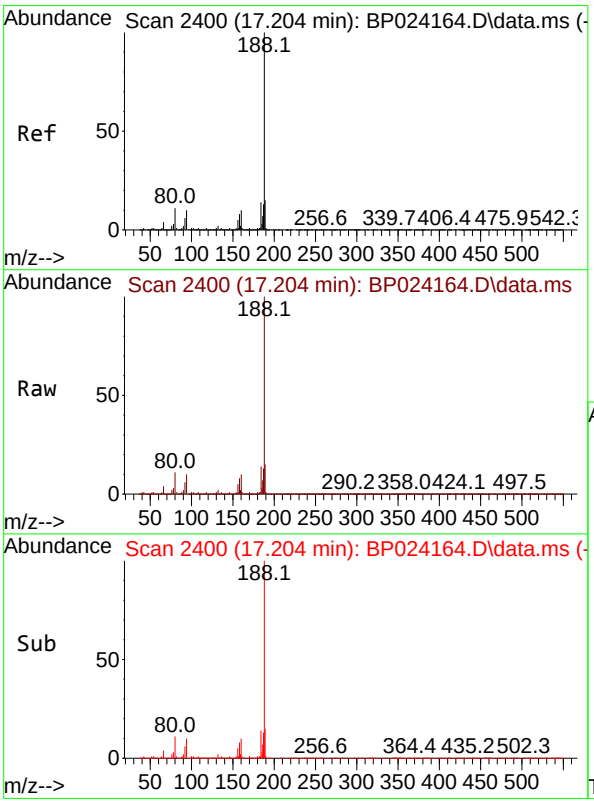

#63
Azobenzene
Concen: 39.335 ng
RT: 15.763 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 77 Resp: 2401881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 27.7 | 7.7 | 47.7 |
| 105 | 22.3 | 2.3 | 42.3 |
| 51 | 23.2 | 3.2 | 43.2 |

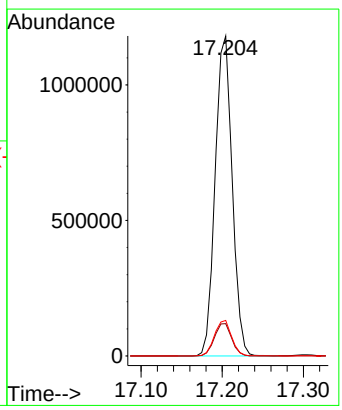


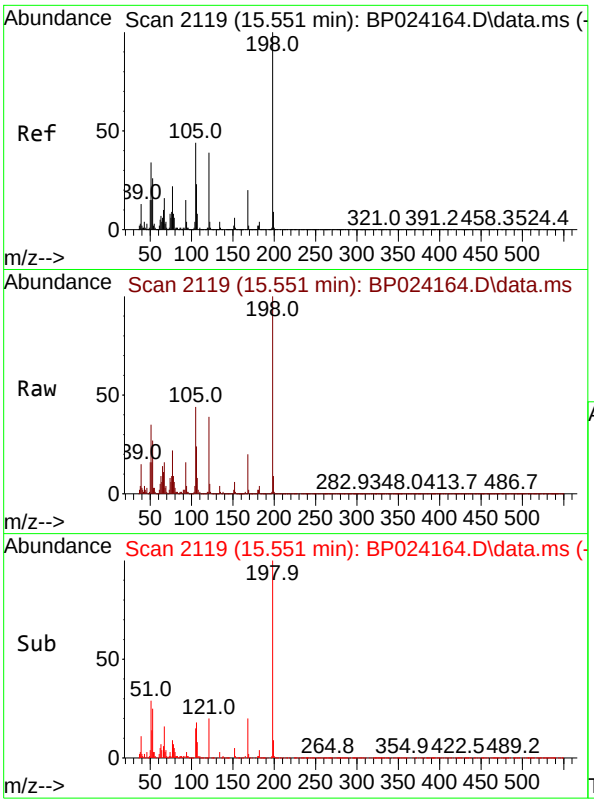




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2400
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:188 Resp: 1720919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.1 | 8.1 | 12.1 |
| 80 | 11.1 | 8.9 | 13.3 |



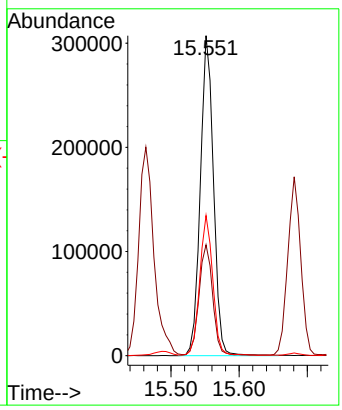


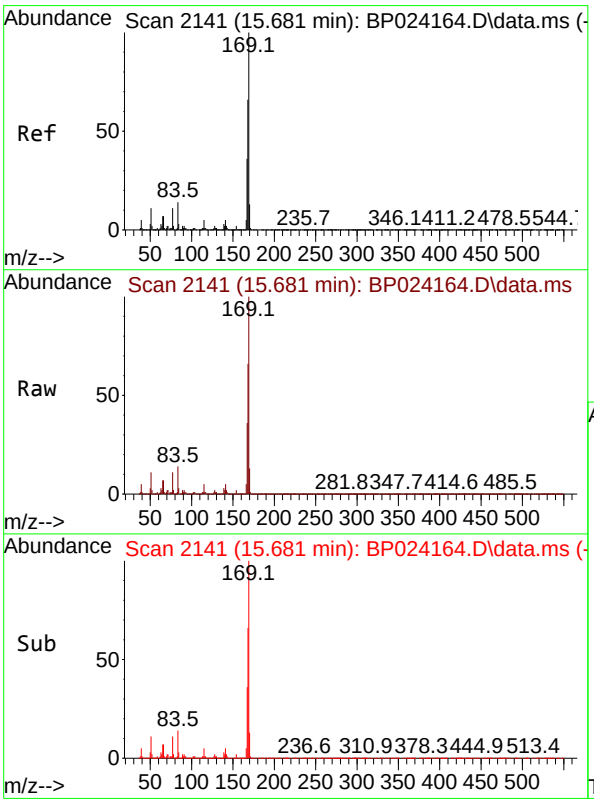

#65
4,6-Dinitro-2-methylphenol
Concen: 41.395 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:198 Resp: 412313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 34.7 | 14.7 | 54.7 |
| 105 | 43.8 | 23.8 | 63.8 |

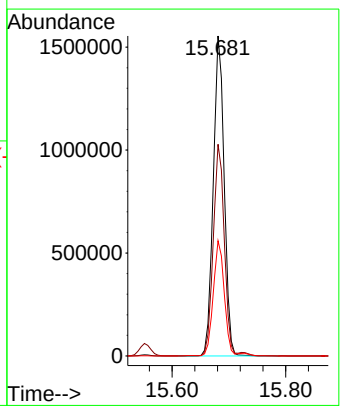


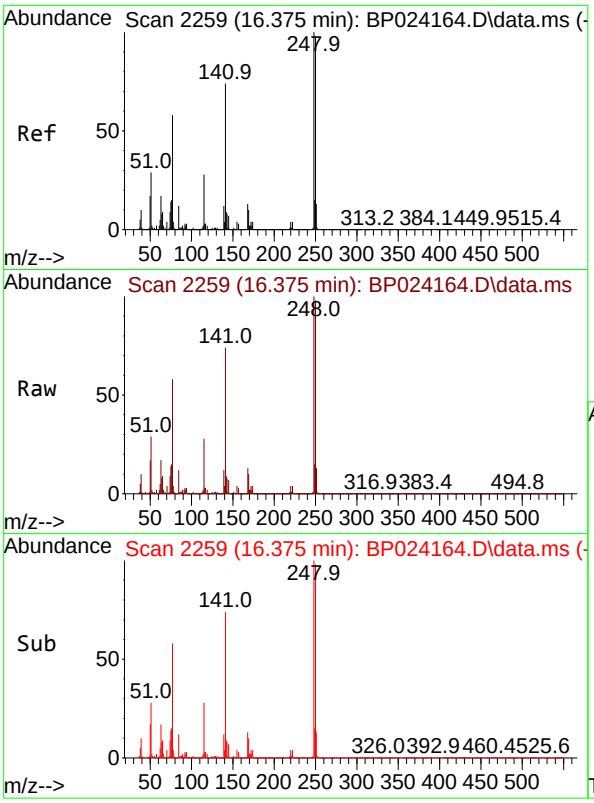




#66
n-Nitrosodiphenylamine
Concen: 38.450 ng
RT: 15.681 min Scan# 2141
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:169 Resp: 2063452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.1 | 52.9 | 79.3 |
| 167 | 36.0 | 28.8 | 43.2 |



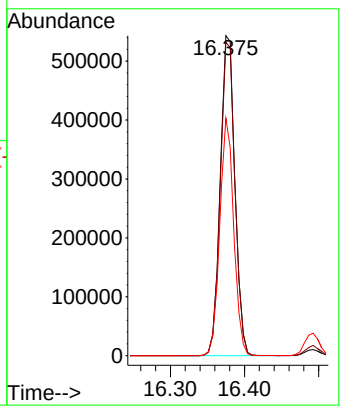


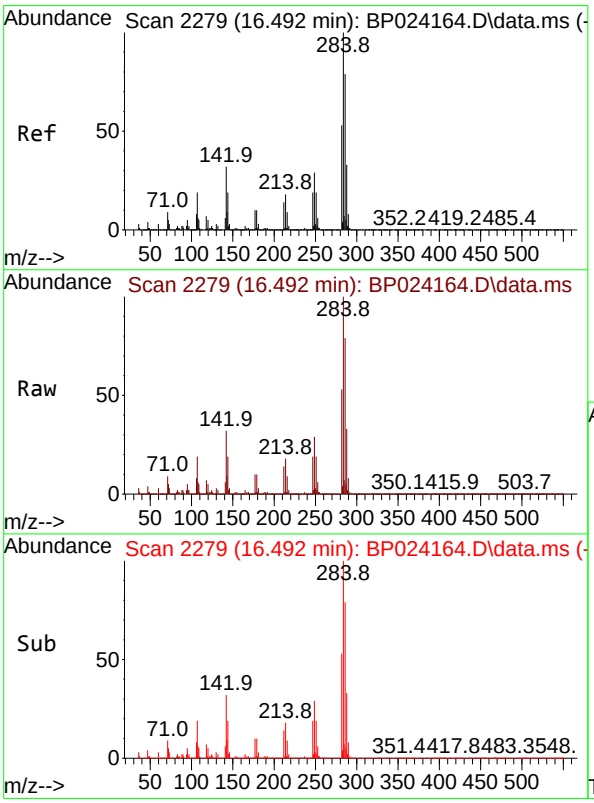

#67
4-Bromophenyl-phenylether
Concen: 38.570 ng
RT: 16.375 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:248 Resp: 745376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.0 | 78.4 | 117.6 |
| 141 | 74.2 | 59.4 | 89.0 |

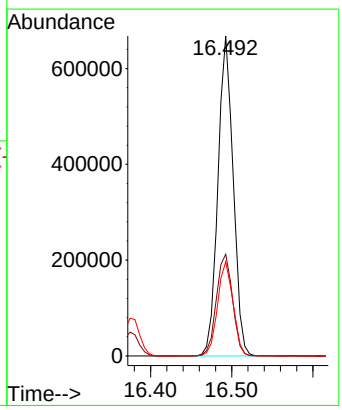


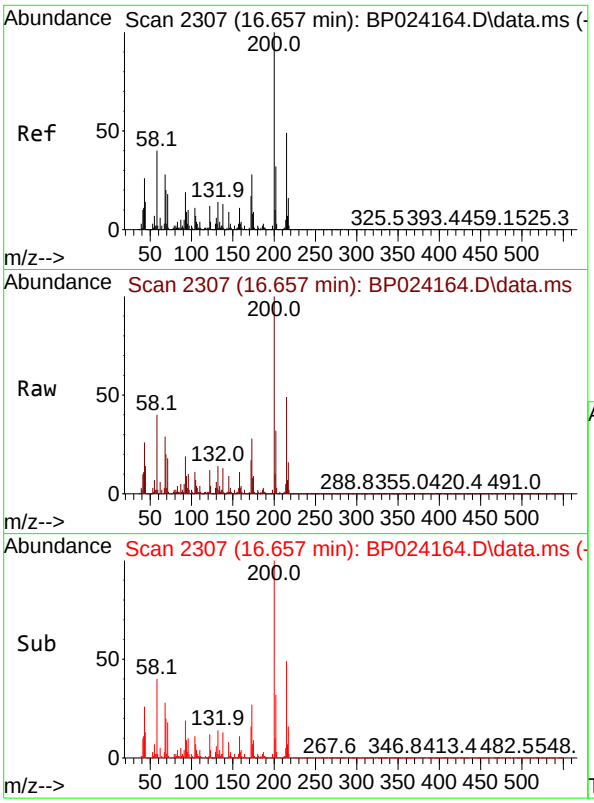




#68
Hexachlorobenzene
Concen: 38.435 ng
RT: 16.492 min Scan# 2279
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:284 Resp: 873989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.8 | 25.4 | 38.2 |
| 249 | 29.4 | 23.5 | 35.3 |



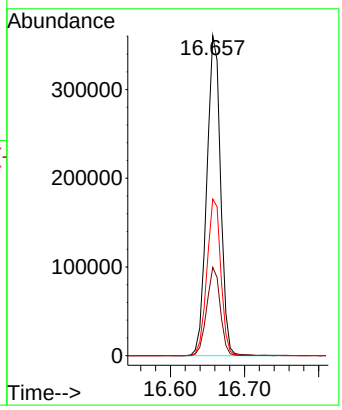


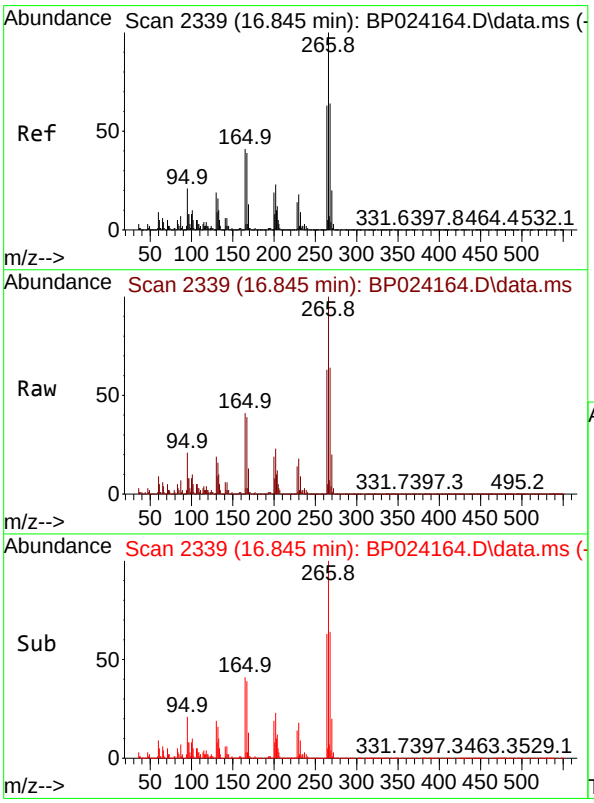

#69
Atrazine
Concen: 33.855 ng
RT: 16.657 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:200 Resp: 466258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.6 | 7.6 | 47.6 |
| 215 | 49.0 | 29.0 | 69.0 |

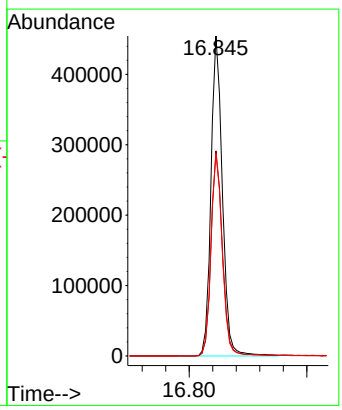


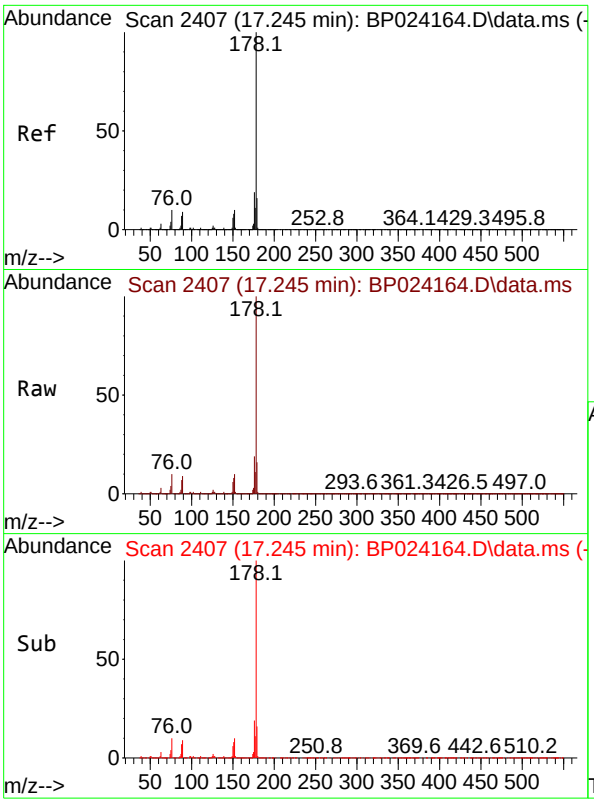




#70
Pentachlorophenol
Concen: 41.352 ng
RT: 16.845 min Scan# 2339
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:266 Resp: 610729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.1 | 51.3 | 76.9 |
| 264 | 63.3 | 50.6 | 76.0 |



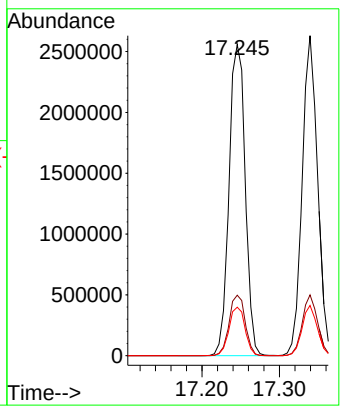


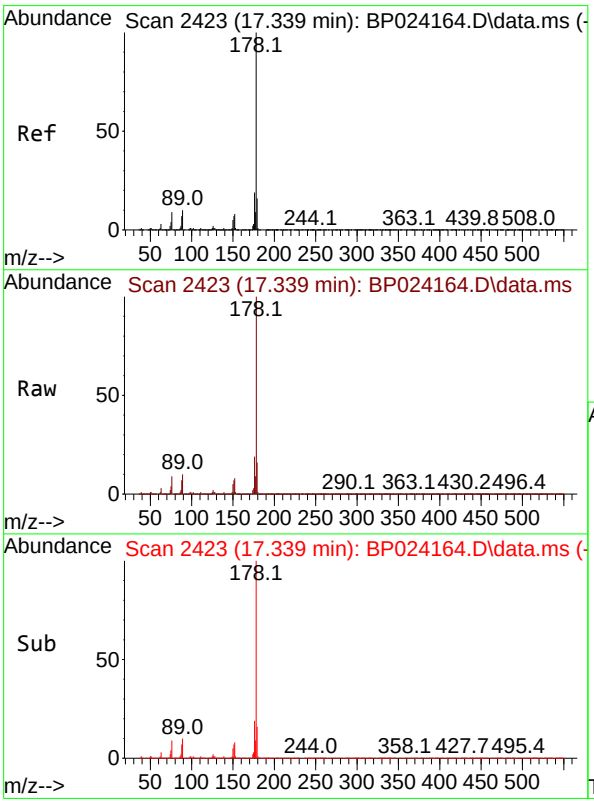

#71
Phenanthrene
Concen: 38.414 ng
RT: 17.245 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:178 Resp: 3727050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 15.6 | 23.4 |
| 179 | 15.6 | 12.5 | 18.7 |

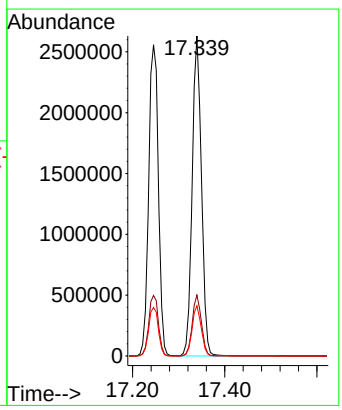


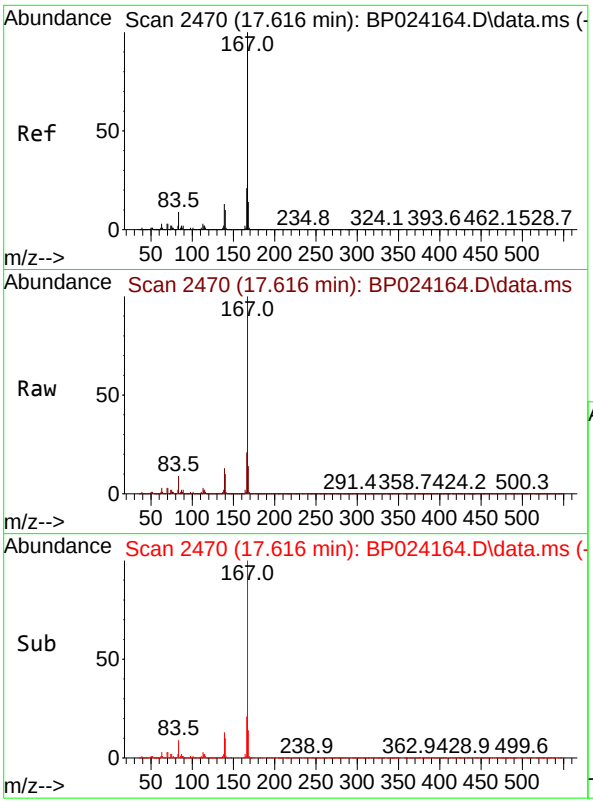




#72
Anthracene
Concen: 39.344 ng
RT: 17.339 min Scan# 2423
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:178 Resp: 3658135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.2 | 22.8 |
| 179 | 15.7 | 12.6 | 18.8 |



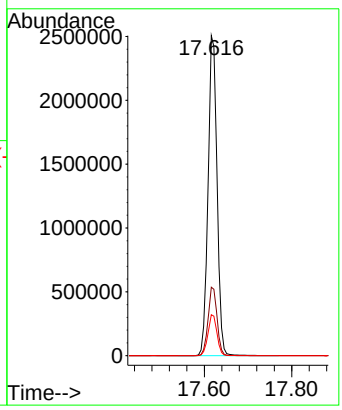


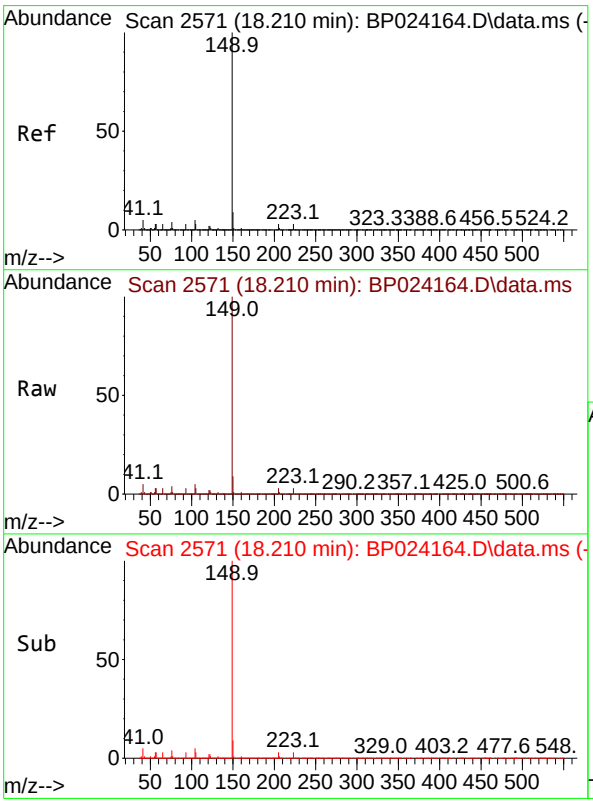

#73
Carbazole
Concen: 40.463 ng
RT: 17.616 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:167 Resp: 3584494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.4 | 17.1 | 25.7 |
| 139 | 12.8 | 10.2 | 15.4 |

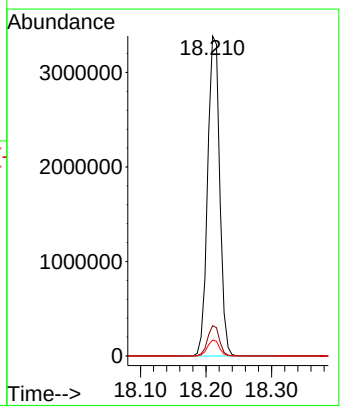


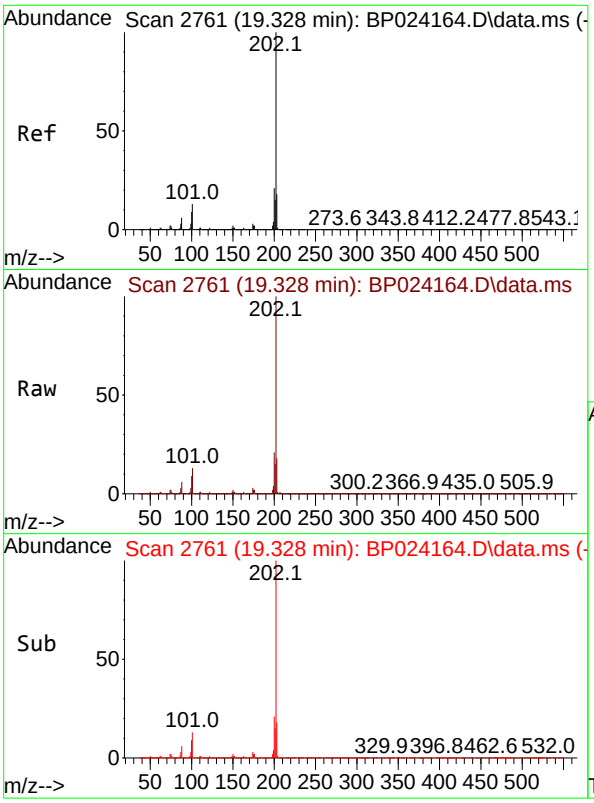




#74
Di-n-butylphthalate
Concen: 41.958 ng
RT: 18.210 min Scan# 2571
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:149 Resp: 4336969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.5 | 7.6 | 11.4 |
| 104 | 4.9 | 3.9 | 5.9 |



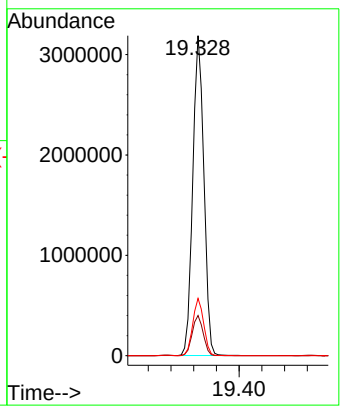


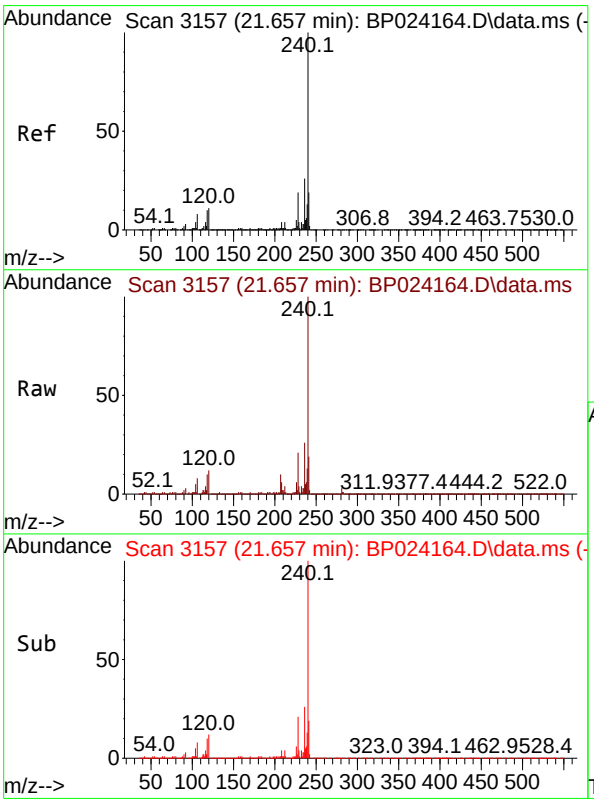

#75
Fluoranthene
Concen: 39.636 ng
RT: 19.328 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:202 Resp: 4349734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.5 | 0.0 | 32.5 |
| 203 | 17.9 | 0.0 | 37.9 |

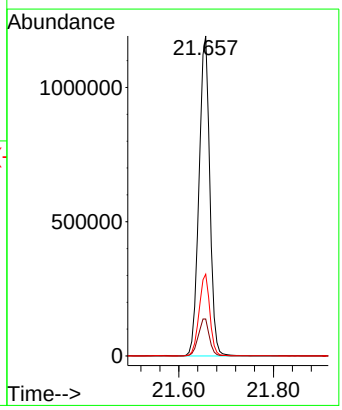


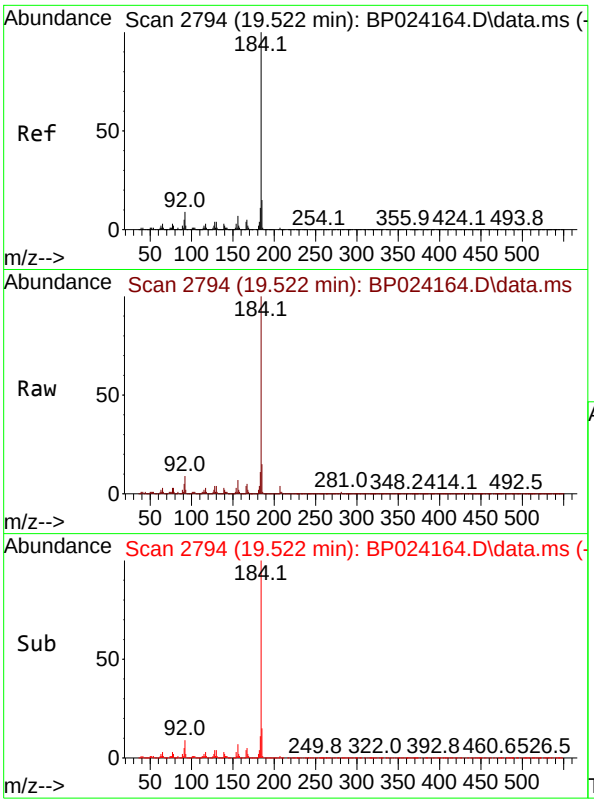




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.657 min Scan# 3157
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:240 Resp: 1881172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.5 | 9.2 | 13.8 |
| 236 | 25.5 | 20.4 | 30.6 |



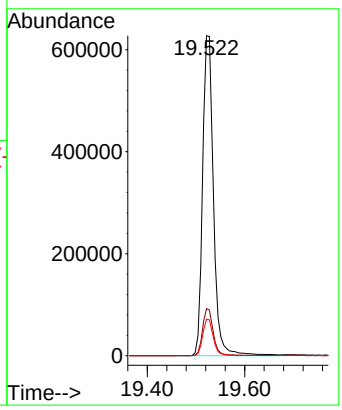


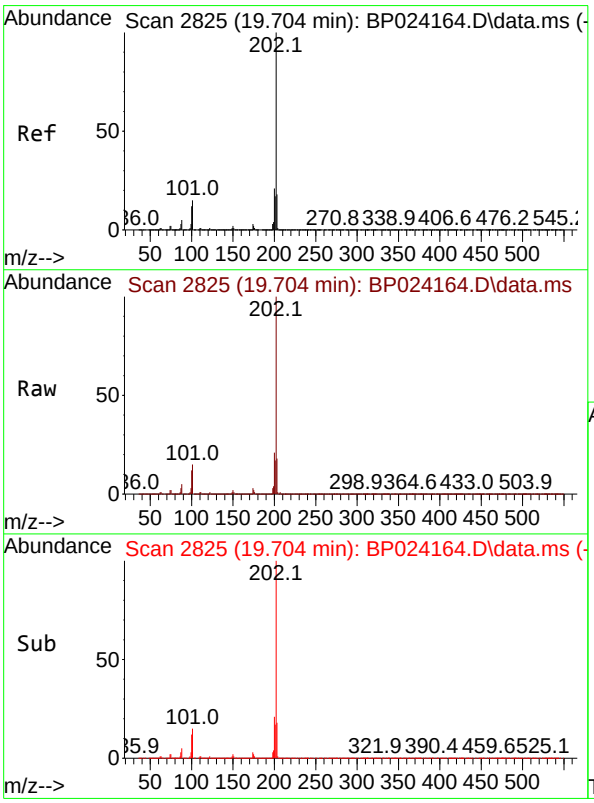

#77
Benzidine
Concen: 42.268 ng
RT: 19.522 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:184 Resp: 968916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.7 | 11.8 | 17.6 |
| 183 | 11.4 | 9.1 | 13.7 |

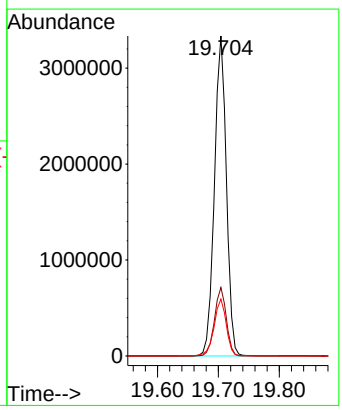


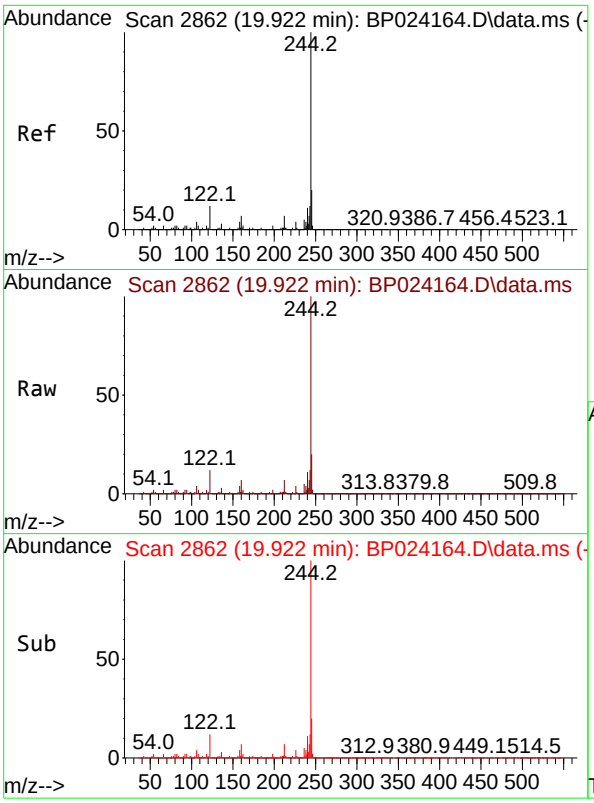




#78
Pyrene
Concen: 37.911 ng
RT: 19.704 min Scan# 2825
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:202 Resp: 4529960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.4 | 17.1 | 25.7 |
| 203 | 17.8 | 14.2 | 21.4 |



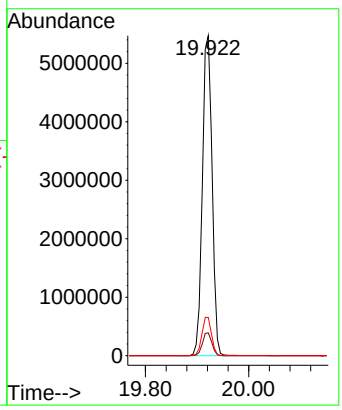


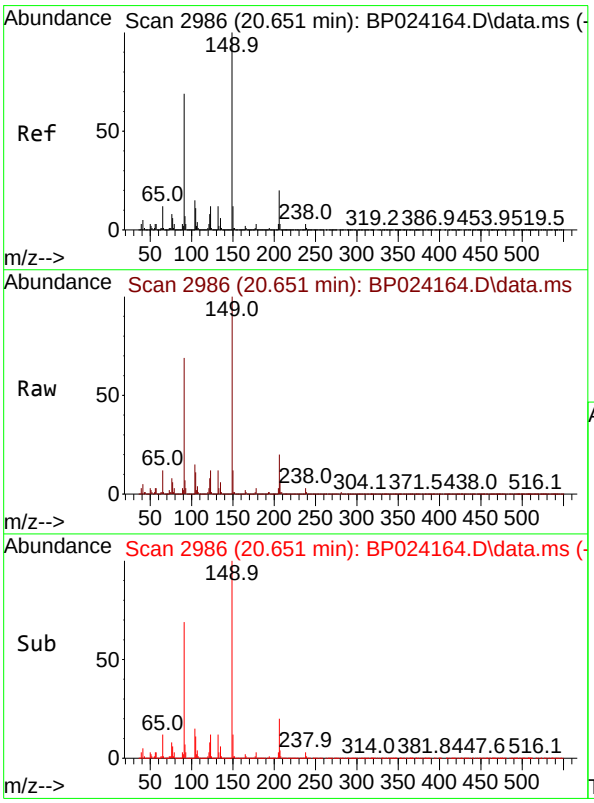

#79
Terphenyl-d14
Concen: 75.038 ng
RT: 19.922 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:244 Resp: 7133778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.7 | 8.5 |
| 122 | 12.0 | 9.6 | 14.4 |

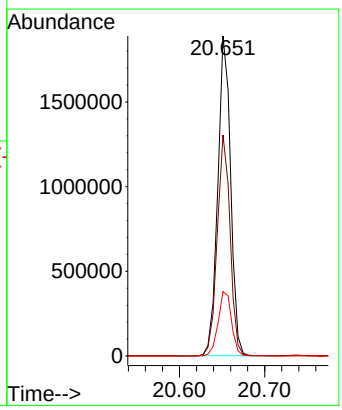


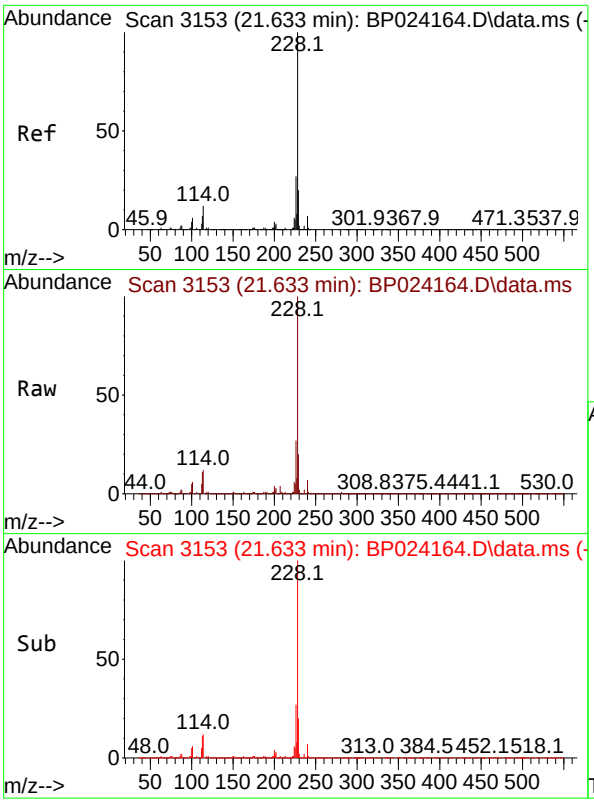




#80
Butylbenzylphthalate
Concen: 43.087 ng
RT: 20.651 min Scan# 2986
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:149 Resp: 1972887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 69.1 | 55.3 | 82.9 |
| 206 | 20.1 | 16.1 | 24.1 |



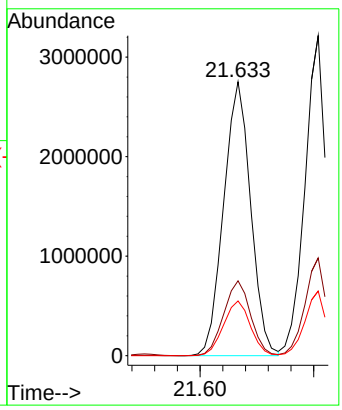


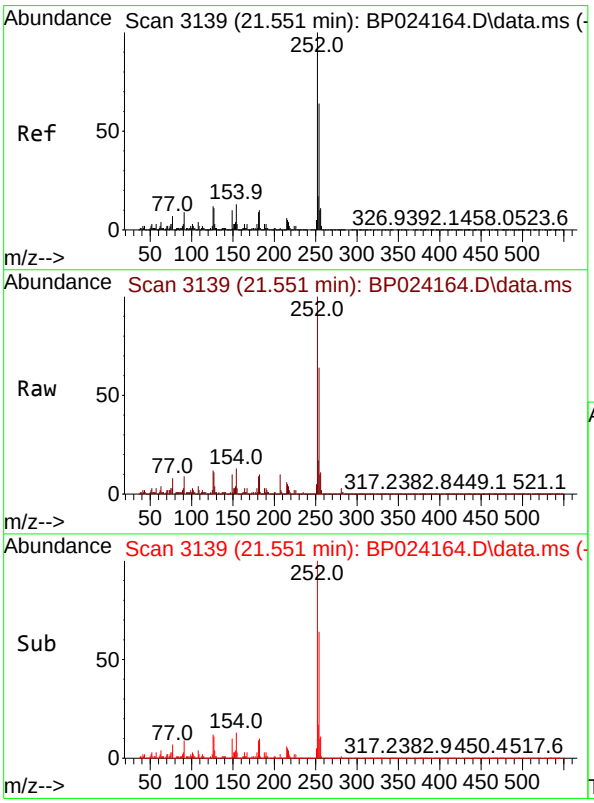

#81
Benzo(a)anthracene
Concen: 38.542 ng
RT: 21.633 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:228 Resp: 4546432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.3 | 21.8 | 32.8 |
| 229 | 20.0 | 16.0 | 24.0 |

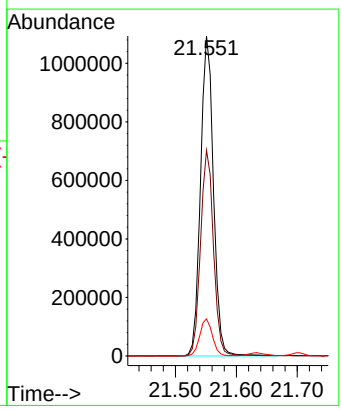


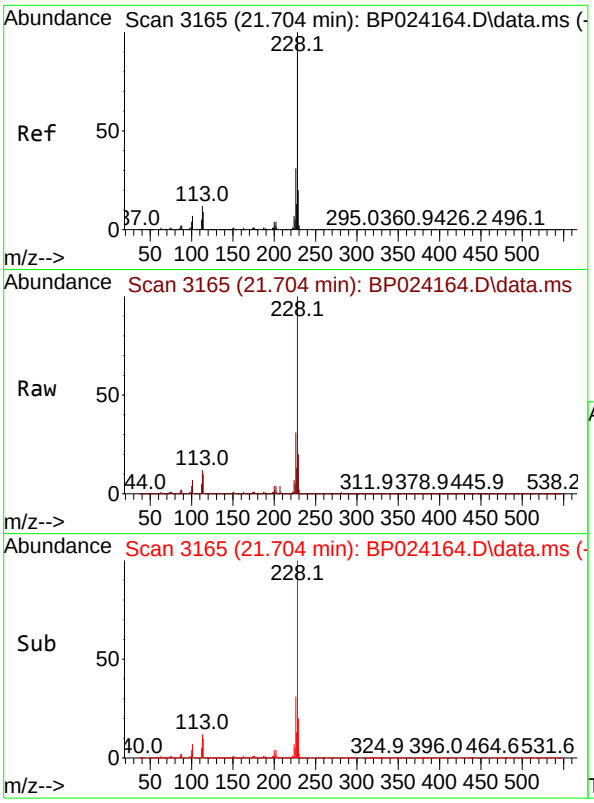




#82
3,3'-Dichlorobenzidine
Concen: 43.694 ng
RT: 21.551 min Scan# 3139
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:252 Resp: 1610565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.3 | 51.4 | 77.2 |
| 126 | 11.6 | 9.3 | 13.9 |



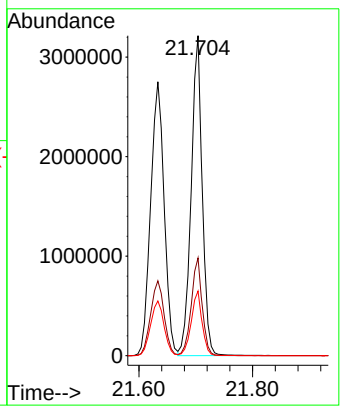


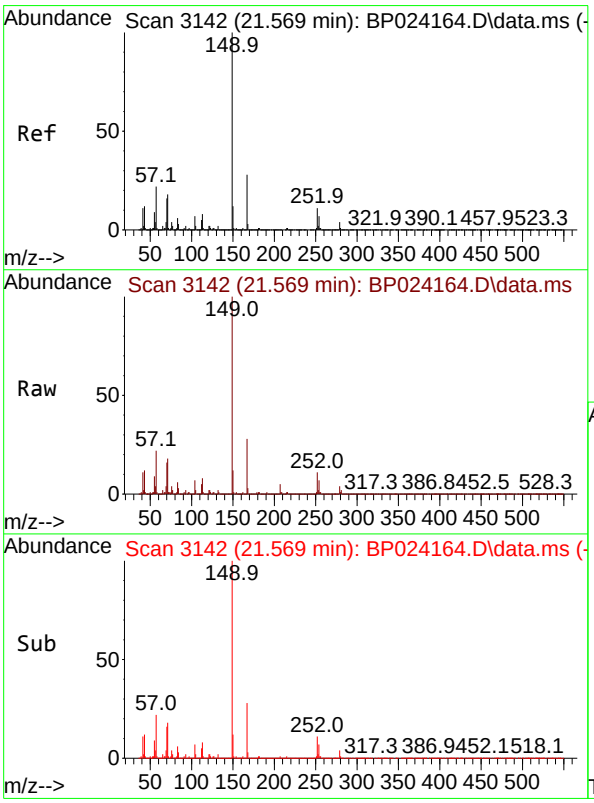

#83
Chrysene
Concen: 38.298 ng
RT: 21.704 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:228 Resp: 4356257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.6 | 24.5 | 36.7 |
| 229 | 20.2 | 16.2 | 24.2 |

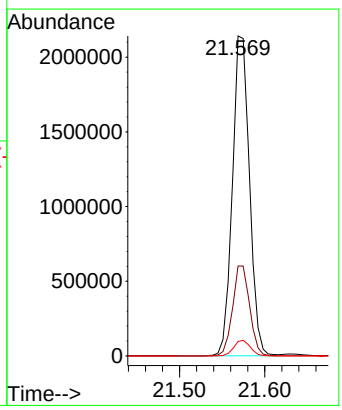


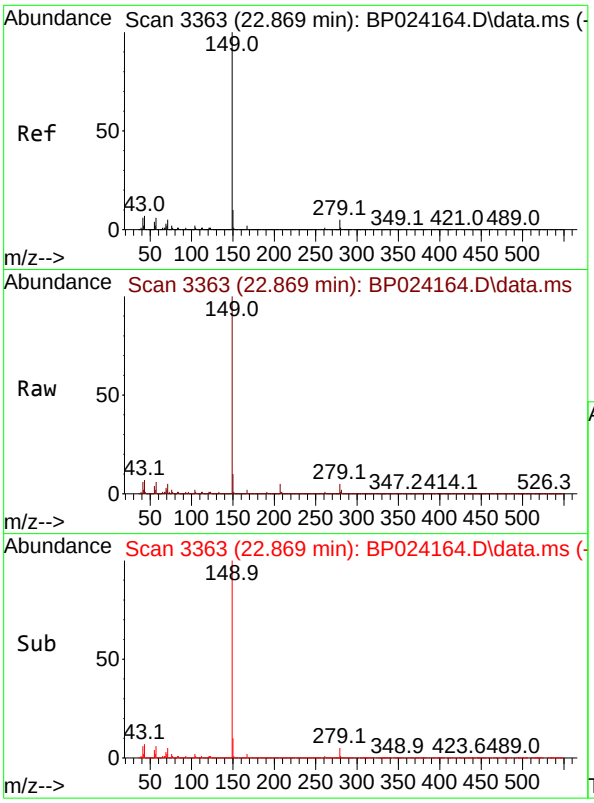




#84
Bis(2-ethylhexyl)phthalate
Concen: 42.929 ng
RT: 21.569 min Scan# 3142
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:149 Resp: 2980735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.1 | 22.5 | 33.7 |
| 279 | 4.5 | 3.6 | 5.4 |



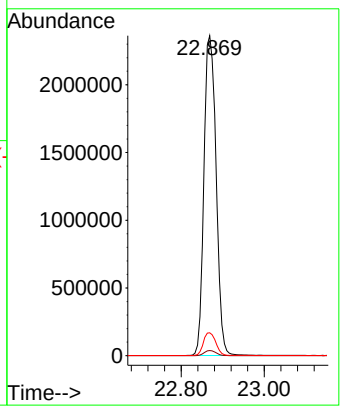


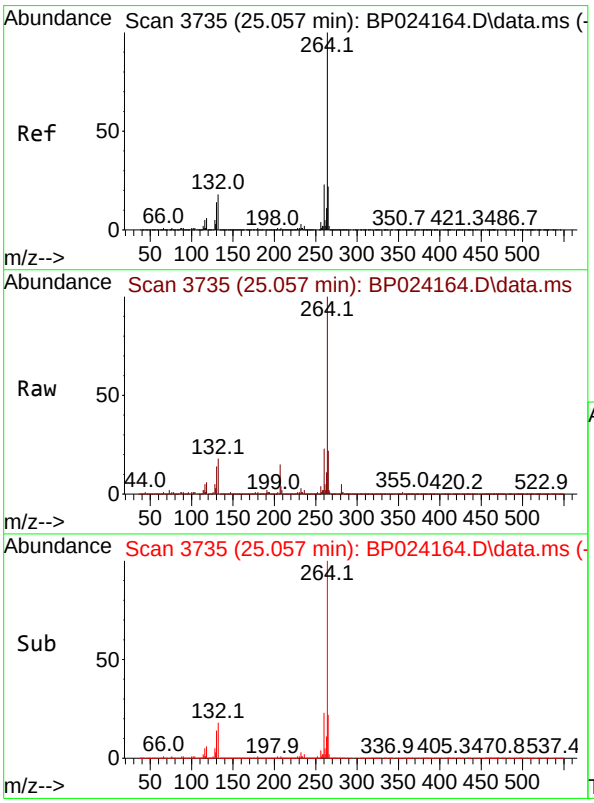

#85
Di-n-octyl phthalate
Concen: 43.129 ng
RT: 22.869 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:149 Resp: 4786749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 7.3 | 5.8 | 8.8 |

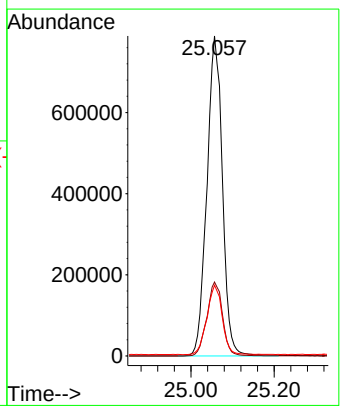


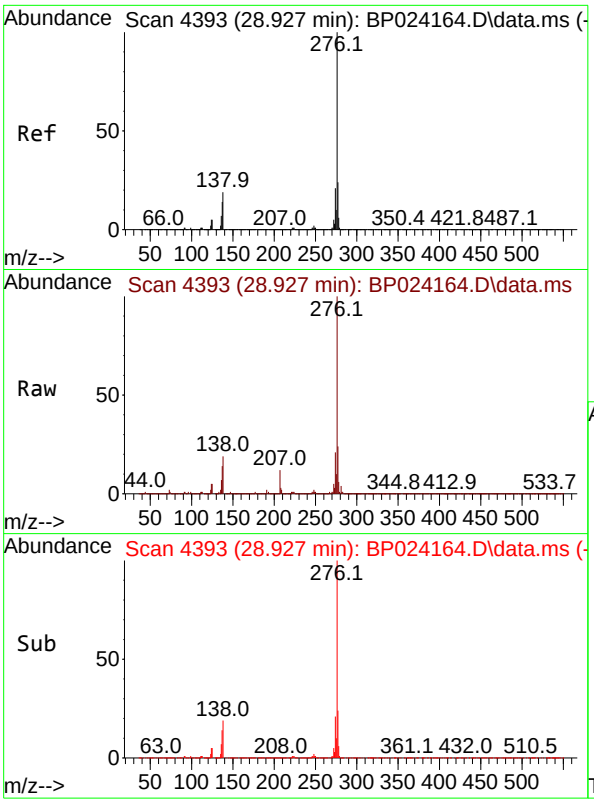




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.057 min Scan# 3735
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:264 Resp: 2043442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 18.5 | 27.7 |
| 265 | 22.1 | 17.7 | 26.5 |



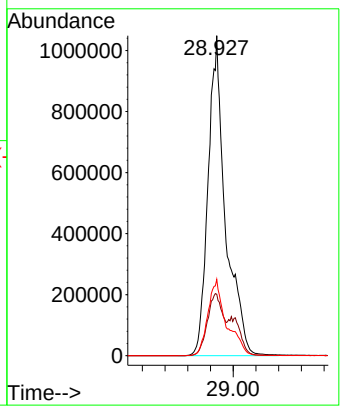


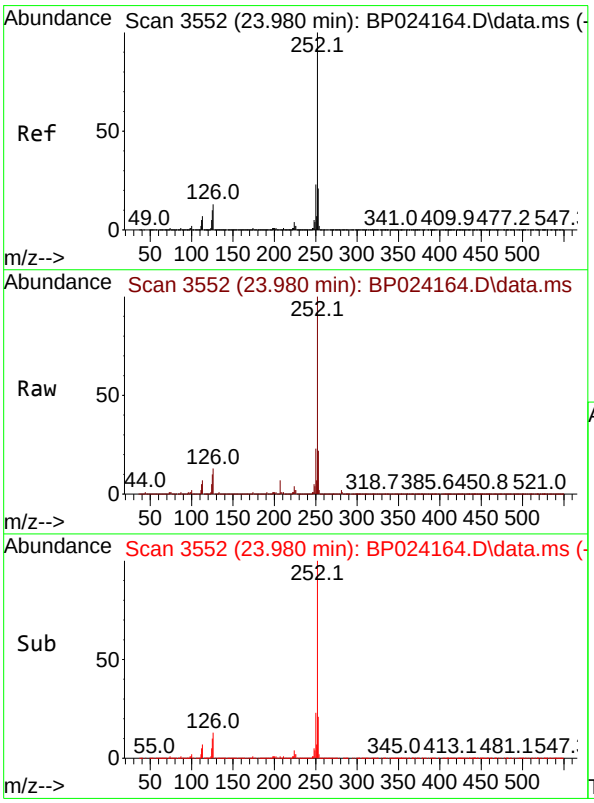

#87
Indeno(1,2,3-cd)pyrene
Concen: 38.410 ng
RT: 28.927 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:276 Resp: 5583803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 17.1 | 13.7 | 20.5 |
| 277 | 25.2 | 20.2 | 30.2 |

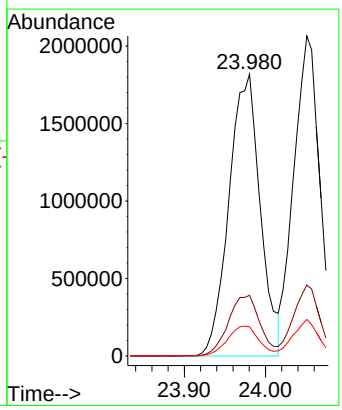


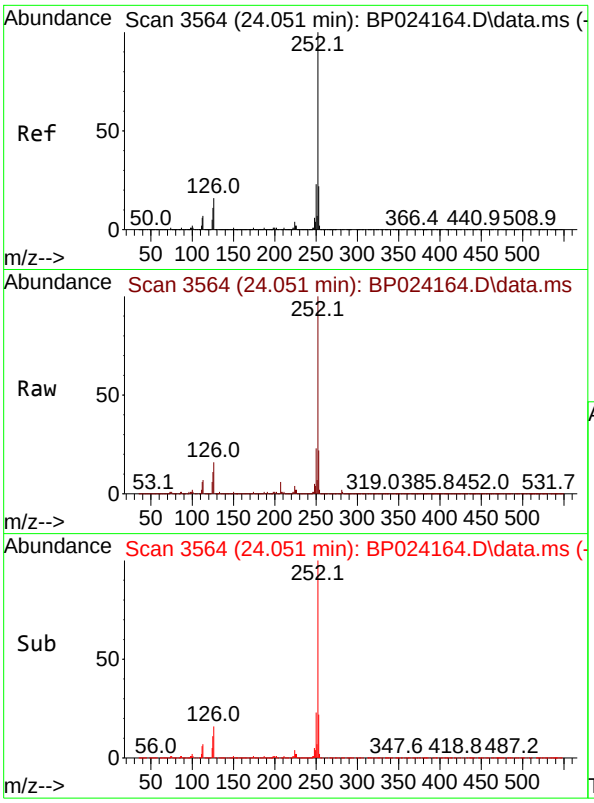




#88
Benzo(b)fluoranthene
Concen: 37.490 ng
RT: 23.980 min Scan# 3552
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:252 Resp: 4864855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.2 | 25.8 |
| 125 | 10.3 | 8.2 | 12.4 |



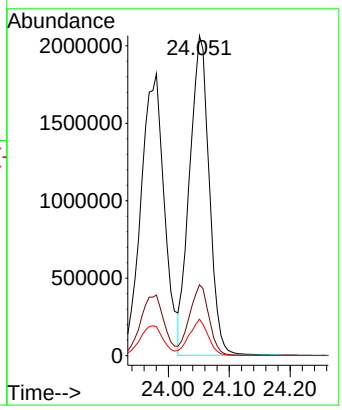


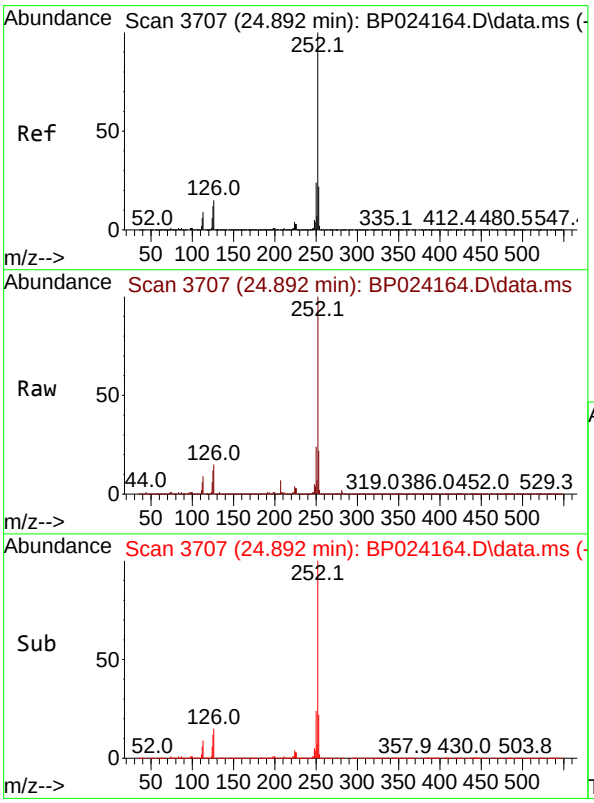

#89
Benzo(k)fluoranthene
Concen: 36.566 ng
RT: 24.051 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:252 Resp: 4618537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.7 | 26.5 |
| 125 | 11.4 | 9.1 | 13.7 |

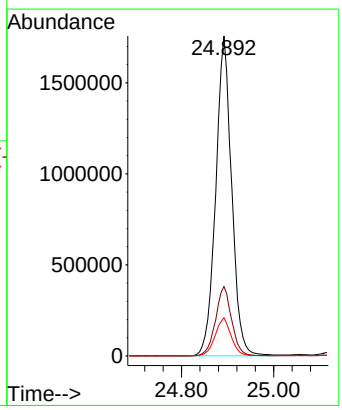


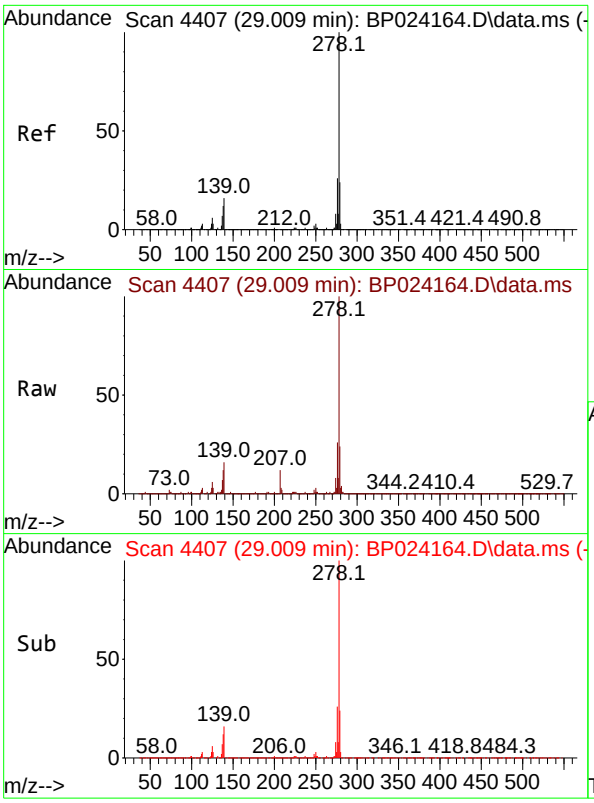




#90
Benzo(a)pyrene
Concen: 38.180 ng
RT: 24.892 min Scan# 3707
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:252 Resp: 4204610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.4 | 26.0 |
| 125 | 12.0 | 9.6 | 14.4 |



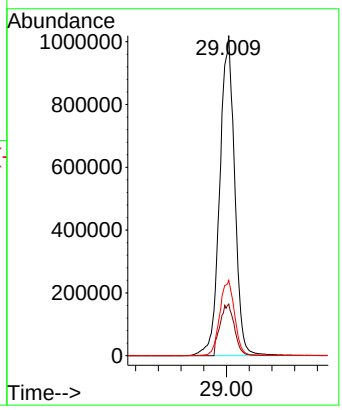


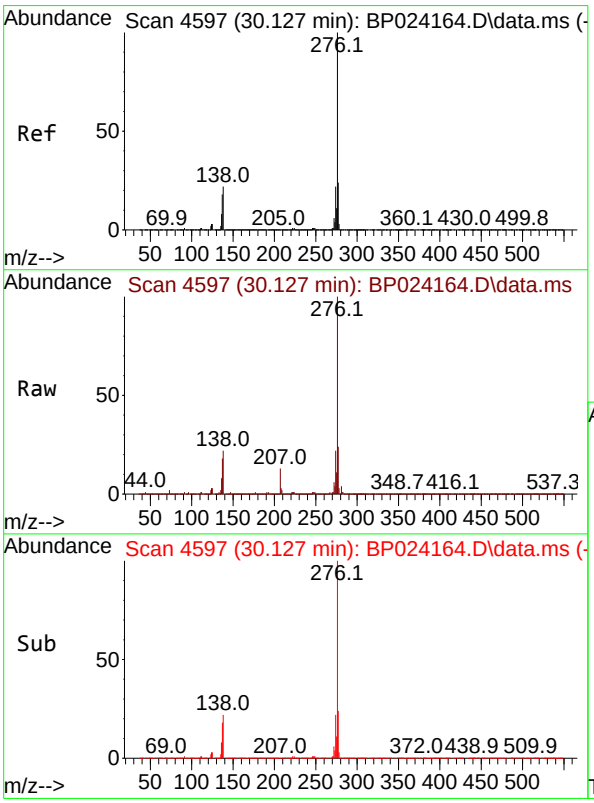

#91
Dibenzo(a,h)anthracene
Concen: 38.014 ng
RT: 29.009 min Scan# 44
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICCC040

Tgt Ion:278 Resp: 4646524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.2 | 13.0 | 19.4 |
| 279 | 23.5 | 18.8 | 28.2 |

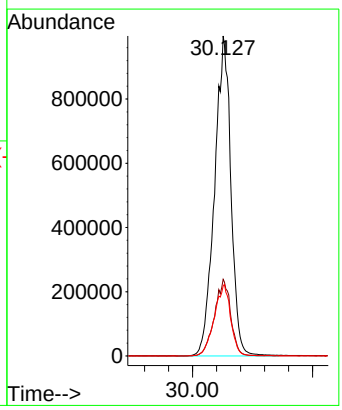



#92
Benzo(g,h,i)perylene
Concen: 38.011 ng
RT: 30.127 min Scan# 4597
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:276 Resp: 4714749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.0 | 19.2 | 28.8 |
| 138 | 21.8 | 17.4 | 26.2 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024165.D
Acq On : 12 Mar 2025 19:41
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Quant Time: Mar 13 04:09:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.775 | 152 | 362382 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.551 | 136 | 1504882 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.410 | 164 | 918204 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.216 | 188 | 1730200 | 20.000 | ng | | 0.01 |
| 76) Chrysene-d12 | 21.674 | 240 | 1856010 | 20.000 | ng | | 0.02 |
| 86) Perylene-d12 | 25.086 | 264 | 2039908 | 20.000 | ng | | 0.03 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.381 | 112 | 2339783 | 100.747 | ng | | 0.00 |
| 7) Phenol-d6 | 6.952 | 99 | 3169724 | 106.191 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.928 | 82 | 2723412 | 100.962 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.928 | 330 | 1240173 | 110.267 | ng | | 0.01 |
| 45) 2-Fluorobiphenyl | 13.022 | 172 | 6129086 | 93.318 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.945 | 244 | 8967575 | 95.606 | ng | | 0.02 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.316 | 88 | 449736 | 49.365 | ng | | 100 |
| 3) Pyridine | 3.716 | 79 | 1264797m | 53.398 | ng | | |
| 4) n-Nitrosodimethylamine | 3.622 | 42 | 417922 | 49.741 | ng | | 99 |
| 6) Aniline | 7.110 | 93 | 1402509 | 51.307 | ng | | 100 |
| 8) 2-Chlorophenol | 7.346 | 128 | 1260095 | 51.262 | ng | | 98 |
| 9) Benzaldehyde | 6.922 | 77 | 680024 | 49.899 | ng | | 99 |
| 10) Phenol | 6.981 | 94 | 1580281 | 52.648 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.199 | 93 | 1214752 | 51.383 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.663 | 146 | 1338137 | 49.552 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.810 | 146 | 1352373 | 49.520 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 8.122 | 146 | 1299613 | 49.586 | ng | | 99 |
| 15) Benzyl Alcohol | 8.010 | 79 | 1016261 | 55.621 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.299 | 45 | 1236313 | 53.871 | ng | | 99 |
| 17) 2-Methylphenol | 8.216 | 107 | 1010720 | 55.257 | ng | | 100 |
| 18) Hexachloroethane | 8.846 | 117 | 482437 | 49.052 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.575 | 70 | 929876 | 57.939 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.540 | 107 | 1401754 | 56.333 | ng | | 99 |
| 22) Acetophenone | 8.587 | 105 | 1912289 | 49.450 | ng | # | 99 |
| 24) Nitrobenzene | 8.969 | 77 | 1335288 | 50.299 | ng | | 99 |
| 25) Isophorone | 9.487 | 82 | 2389410 | 54.168 | ng | | 100 |
| 26) 2-Nitrophenol | 9.669 | 139 | 686089 | 56.096 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.734 | 122 | 840657 | 52.362 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 9.963 | 93 | 1612977 | 50.476 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.210 | 162 | 1152247 | 52.591 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.416 | 180 | 1212617 | 48.306 | ng | | 99 |
| 31) Naphthalene | 10.604 | 128 | 4020722 | 49.689 | ng | | 100 |
| 32) Benzoic acid | 9.893 | 122 | 900054 | 61.152 | ng | | 99 |
| 33) 4-Chloroaniline | 10.710 | 127 | 1481634 | 51.976 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.893 | 225 | 703606 | 48.392 | ng | | 99 |
| 35) Caprolactam | 11.510 | 113 | 402356 | 60.646 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 11.845 | 107 | 1251209 | 55.551 | ng | | 100 |
| 37) 2-Methylnaphthalene | 12.216 | 142 | 2749915 | 51.131 | ng | | 100 |
| 38) 1-Methylnaphthalene | 12.434 | 142 | 2647375 | 50.600 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.587 | 216 | 1331287 | 47.188 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.569 | 237 | 503901 | 47.999 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.828 | 196 | 896606 | 52.112 | ng | | 100 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024165.D
Acq On : 12 Mar 2025 19:41
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Quant Time: Mar 13 04:09:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

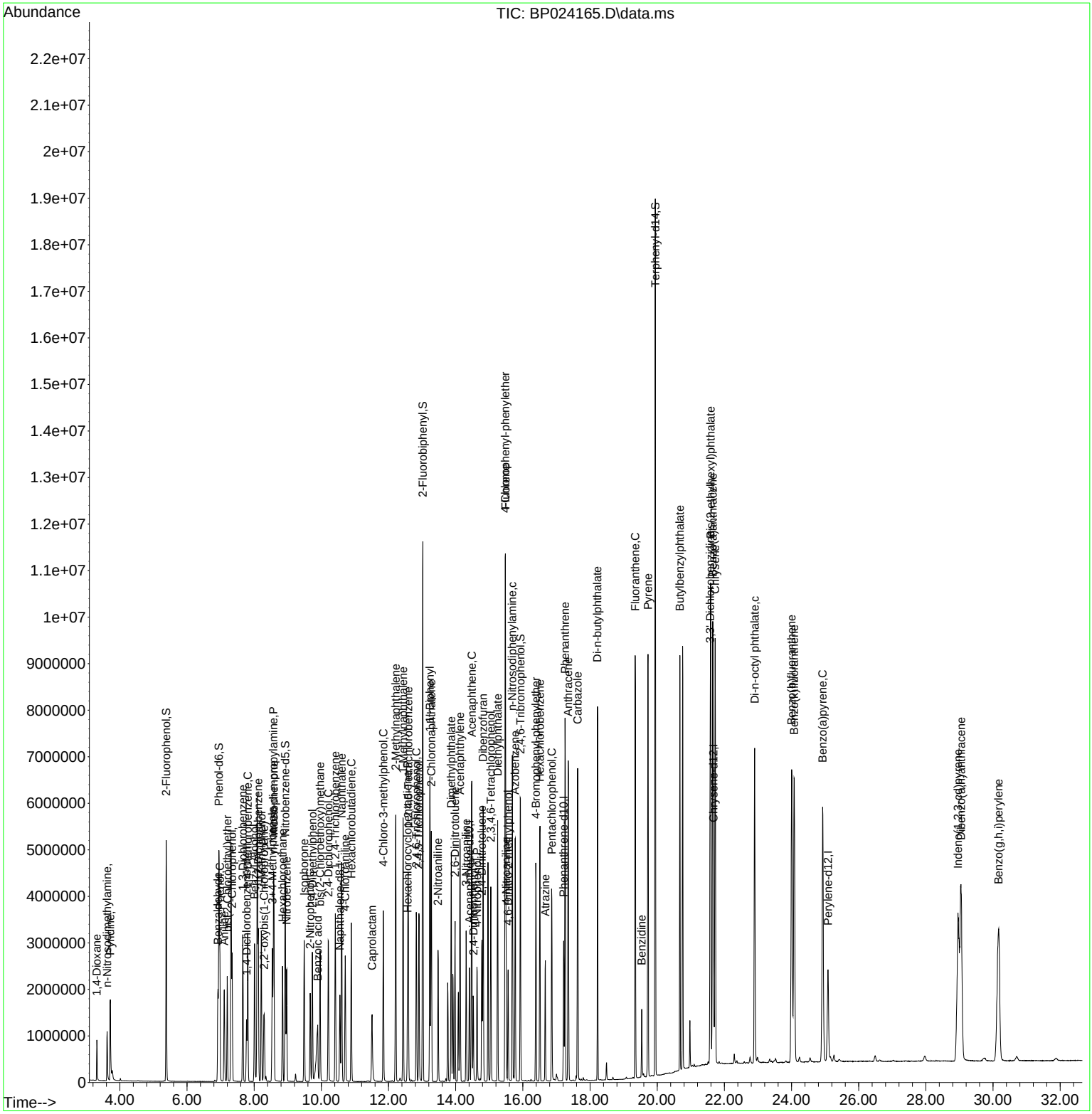
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.904 | 196 | 969372 | 51.517 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.234 | 154 | 3427883 | 48.043 | ng | 100 |
| 47) 2-Chloronaphthalene | 13.275 | 162 | 2559098 | 47.446 | ng | 99 |
| 48) 2-Nitroaniline | 13.475 | 65 | 714343 | 56.066 | ng | 97 |
| 49) Acenaphthylene | 14.128 | 152 | 4015684 | 50.533 | ng | 100 |
| 50) Dimethylphthalate | 13.869 | 163 | 3252950 | 50.224 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.981 | 165 | 715171 | 54.206 | ng | 99 |
| 52) Acenaphthene | 14.481 | 154 | 2516832 | 49.182 | ng | 99 |
| 53) 3-Nitroaniline | 14.310 | 138 | 790217 | 56.128 | ng | 98 |
| 54) 2,4-Dinitrophenol | 14.528 | 184 | 410616 | 58.439 | ng | 99 |
| 55) Dibenzofuran | 14.816 | 168 | 4058172 | 48.816 | ng | 99 |
| 56) 4-Nitrophenol | 14.639 | 139 | 685687 | 56.382 | ng | 98 |
| 57) 2,4-Dinitrotoluene | 14.781 | 165 | 971087 | 56.659 | ng | 99 |
| 58) Fluorene | 15.481 | 166 | 3230571 | 49.759 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.045 | 232 | 851401 | 52.152 | ng | 100 |
| 60) Diethylphthalate | 15.251 | 149 | 3265289 | 50.786 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.475 | 204 | 1572773 | 49.216 | ng | 99 |
| 62) 4-Nitroaniline | 15.504 | 138 | 831169 | 56.889 | ng | 99 |
| 63) Azobenzene | 15.769 | 77 | 3077821 | 51.085 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.563 | 198 | 551280 | 55.051 | ng | 97 |
| 66) n-Nitrosodiphenylamine | 15.686 | 169 | 2670636 | 49.497 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.386 | 248 | 968698 | 49.858 | ng | 98 |
| 68) Hexachlorobenzene | 16.510 | 284 | 1136445 | 49.709 | ng | 99 |
| 69) Atrazine | 16.669 | 200 | 452391 | 32.672 | ng | 99 |
| 70) Pentachlorophenol | 16.863 | 266 | 796545 | 53.644 | ng | 99 |
| 71) Phenanthrene | 17.257 | 178 | 4759945 | 48.797 | ng | 100 |
| 72) Anthracene | 17.351 | 178 | 4723119 | 50.526 | ng | 100 |
| 73) Carbazole | 17.633 | 167 | 4585466 | 51.485 | ng | 100 |
| 74) Di-n-butylphthalate | 18.222 | 149 | 5502824 | 52.951 | ng | 100 |
| 75) Fluoranthene | 19.345 | 202 | 5644914 | 51.163 | ng | 99 |
| 77) Benzidine | 19.539 | 184 | 804810 | 35.585 | ng | 99 |
| 78) Pyrene | 19.727 | 202 | 5876091 | 49.843 | ng | 100 |
| 80) Butylbenzylphthalate | 20.674 | 149 | 2571381 | 56.920 | ng | 99 |
| 81) Benzo(a)anthracene | 21.657 | 228 | 5851357 | 50.277 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.580 | 252 | 2015249 | 55.414 | ng | 99 |
| 83) Chrysene | 21.727 | 228 | 5625314 | 50.126 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.592 | 149 | 3802016 | 55.499 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.904 | 149 | 6298049 | 57.516 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.956 | 276 | 7354717 | 50.680 | ng | 99 |
| 88) Benzo(b)fluoranthene | 24.004 | 252 | 6342083 | 48.959 | ng | 98 |
| 89) Benzo(k)fluoranthene | 24.080 | 252 | 6136938 | 48.672 | ng | 99 |
| 90) Benzo(a)pyrene | 24.927 | 252 | 5581393 | 50.770 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 29.045 | 278 | 6072440 | 49.766 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 30.168 | 276 | 6130219 | 49.509 | ng | 99 |

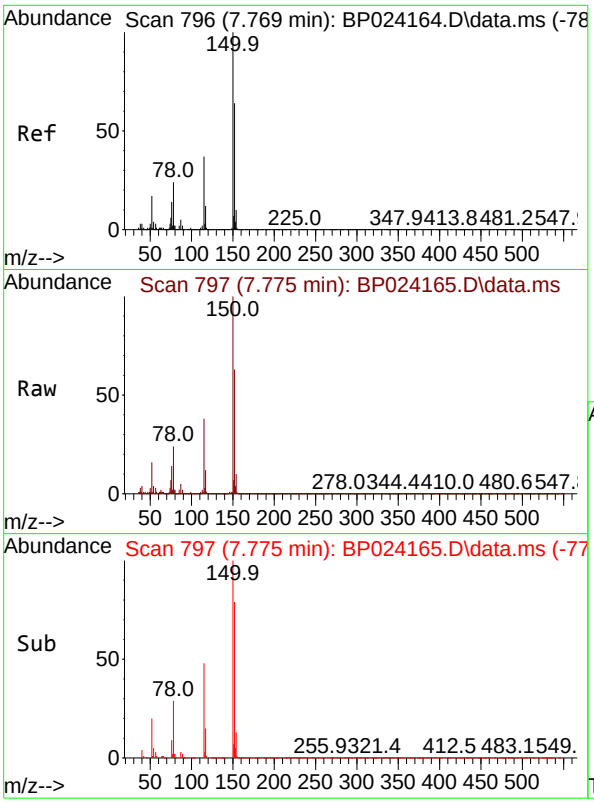
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024165.D
Acq On : 12 Mar 2025 19:41
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Quant Time: Mar 13 04:09:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration



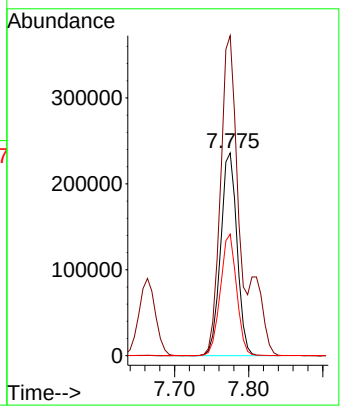


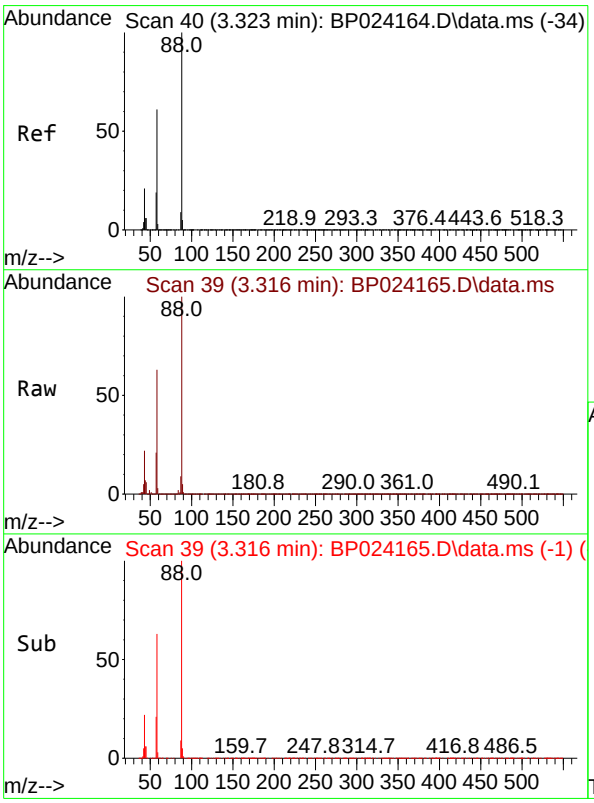

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:152 Resp: 362382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.9 | 125.5 | 188.3 |
| 115 | 60.0 | 46.3 | 69.5 |

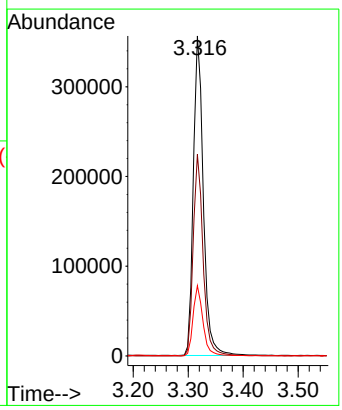


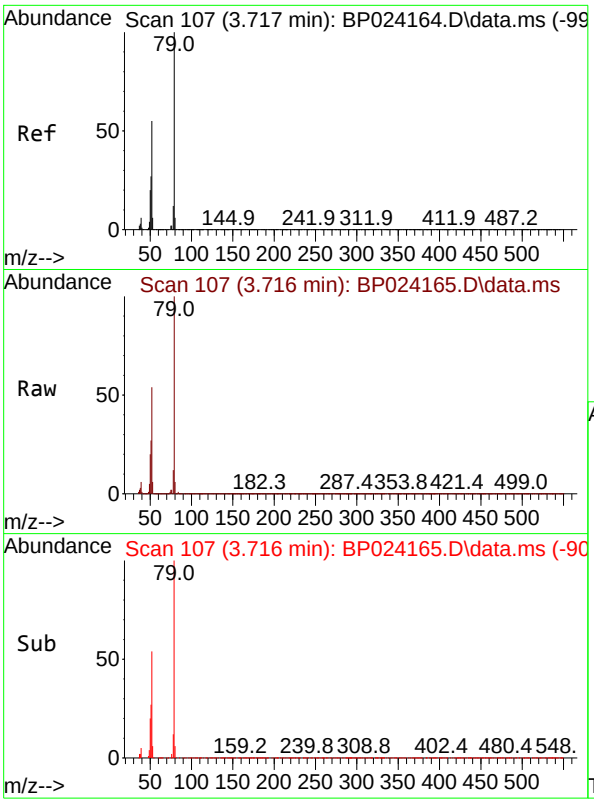




#2
1,4-Dioxane
Concen: 49.365 ng
RT: 3.316 min Scan# 39
Delta R.T. -0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion: 88 Resp: 449736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 62.6 | 49.8 | 74.6 |
| 43 | 21.6 | 17.3 | 25.9 |



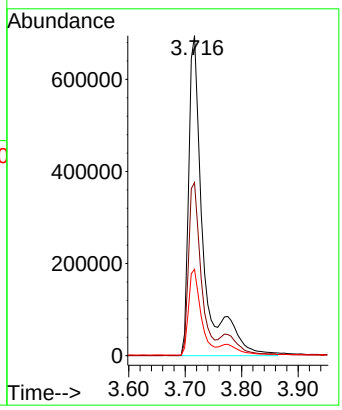


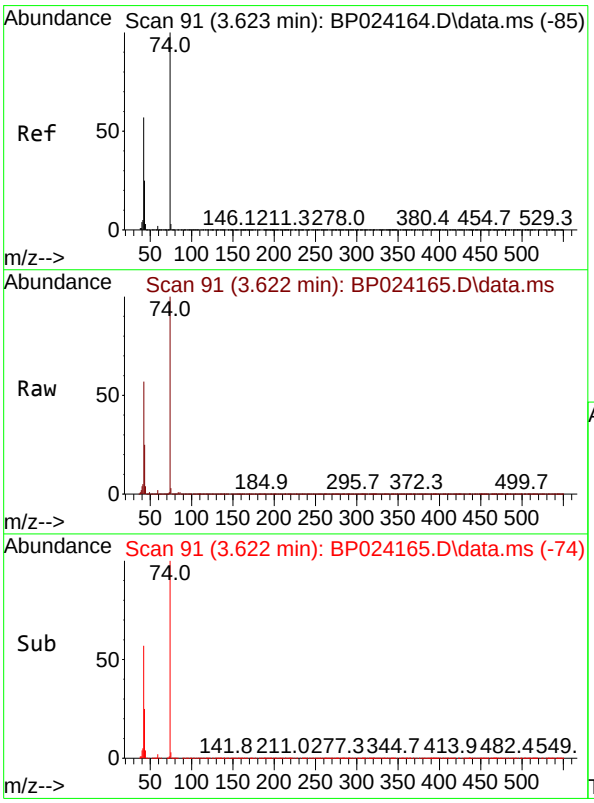

#3
Pyridine
Concen: 53.398 ng m
RT: 3.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 79 Resp: 1264797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 54.1 | 43.8 | 65.8 |
| 51 | 27.0 | 21.6 | 32.4 |

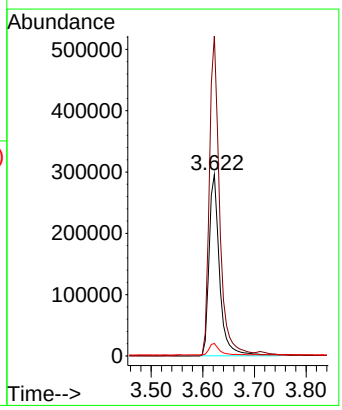


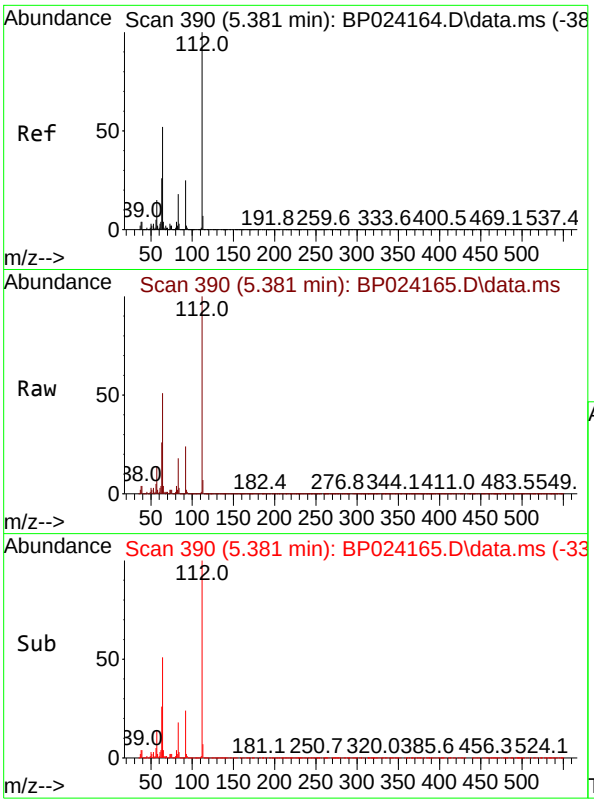




#4
n-Nitrosodimethylamine
Concen: 49.741 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion: 42 Resp: 417922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 176.4 | 139.8 | 209.6 |
| 44 | 6.9 | 5.3 | 7.9 |



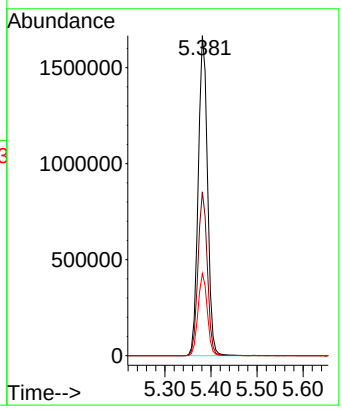


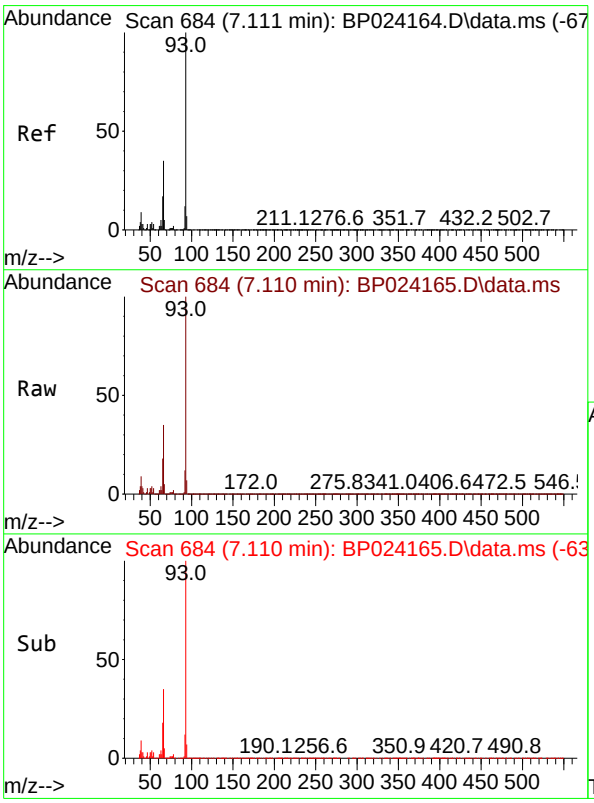

#5
2-Fluorophenol
Concen: 100.747 ng
RT: 5.381 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:112 Resp: 2339783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 51.2 | 41.3 | 61.9 |
| 63 | 25.7 | 20.6 | 31.0 |

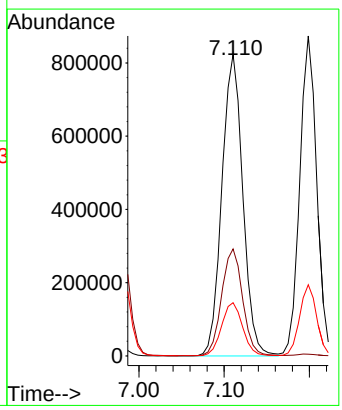


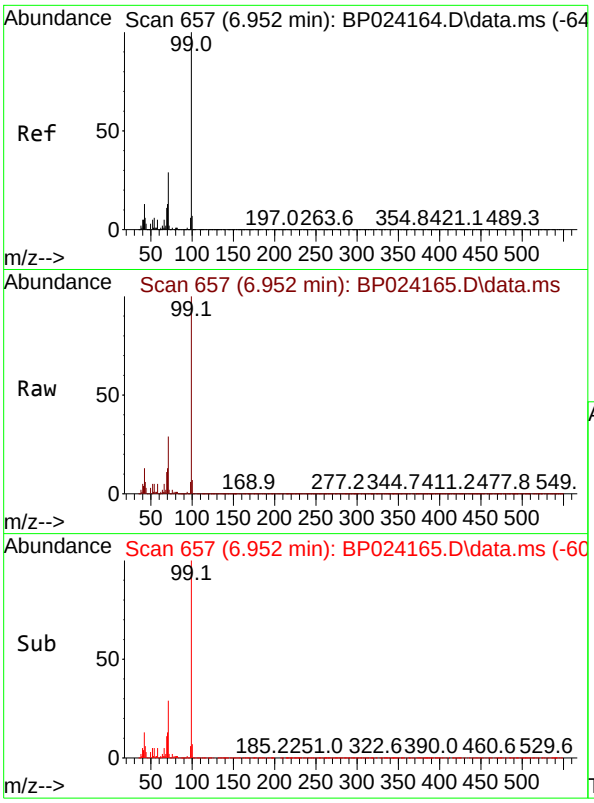




#6
Aniline
Concen: 51.307 ng
RT: 7.110 min Scan# 684
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion: 93 Resp: 1402509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 35.5 | 28.2 | 42.2 |
| 65 | 17.7 | 14.0 | 21.0 |



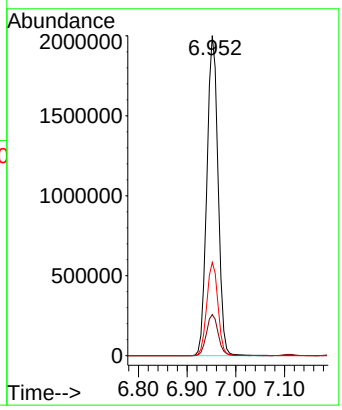


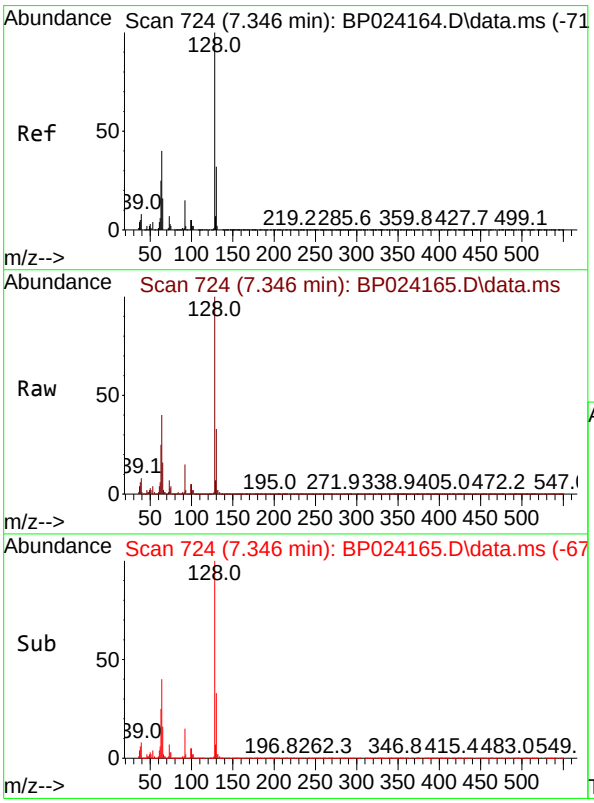

#7
Phenol-d6
Concen: 106.191 ng
RT: 6.952 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 99 Resp: 3169724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 12.9 | 10.6 | 16.0 |
| 71 | 29.1 | 23.3 | 34.9 |

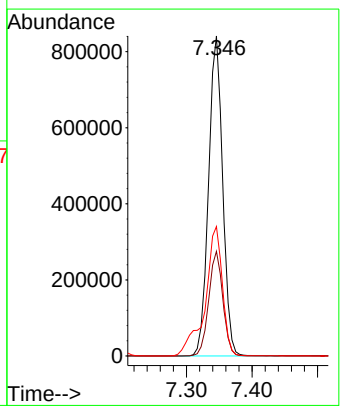


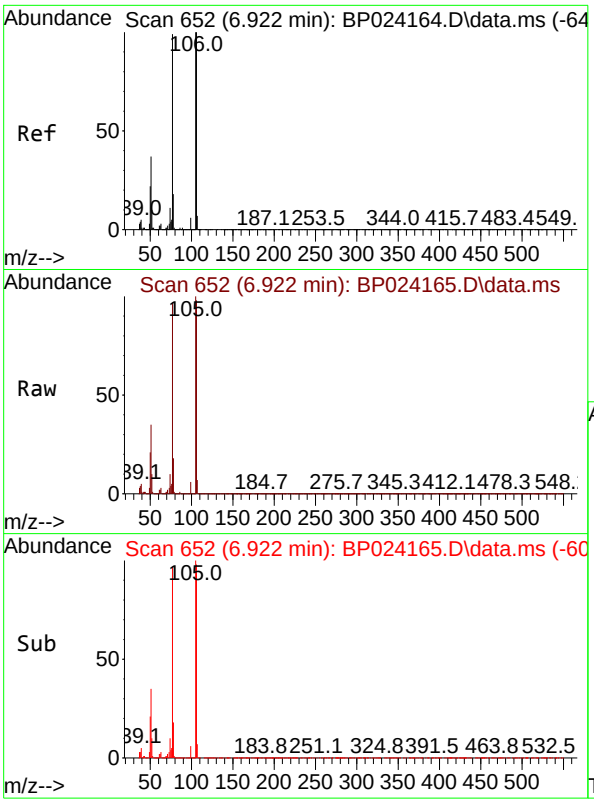




#8
2-Chlorophenol
Concen: 51.262 ng
RT: 7.346 min Scan# 724
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:128 Resp: 1260095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.7 | 12.0 | 52.0 |
| 64 | 40.4 | 21.6 | 61.6 |



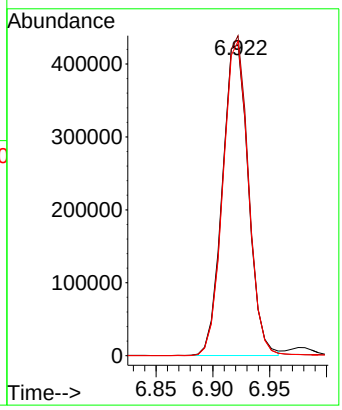


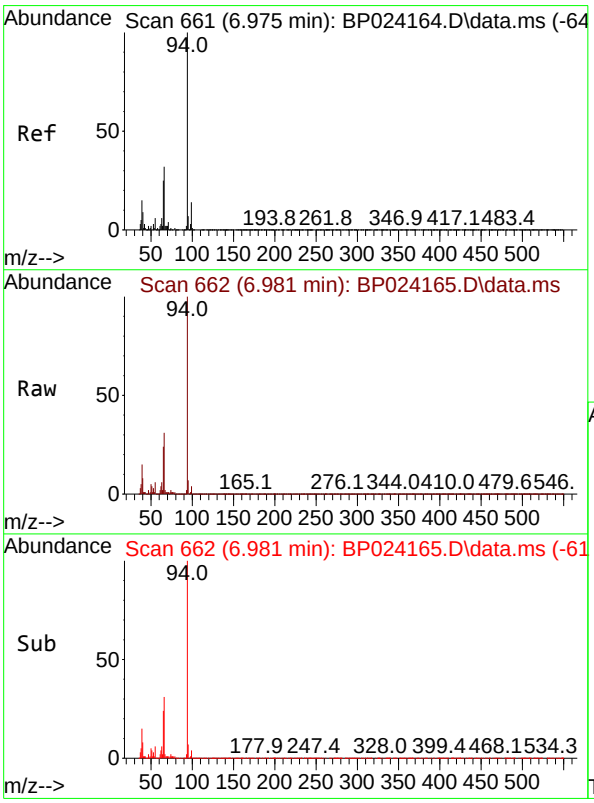

#9
Benzaldehyde
Concen: 49.899 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 77 Resp: 680024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 102.9 | 81.4 | 121.4 |
| 106 | 101.1 | 81.1 | 121.1 |

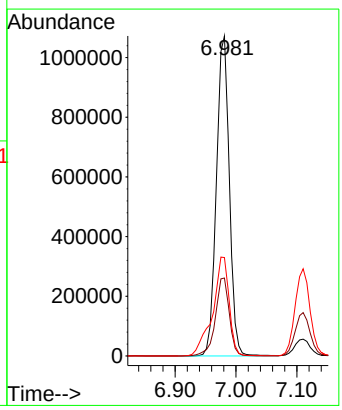


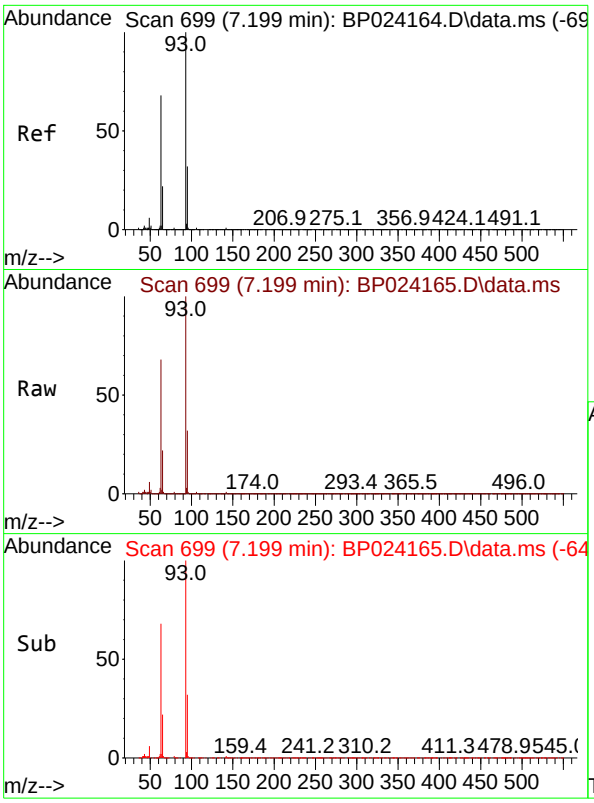




#10
Phenol
Concen: 52.648 ng
RT: 6.981 min Scan# 662
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion: 94 Resp: 1580281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 24.4 | 4.9 | 44.9 |
| 66 | 30.8 | 11.9 | 51.9 |



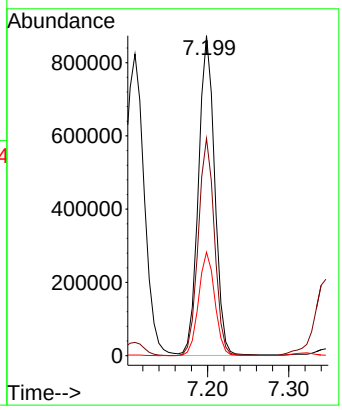


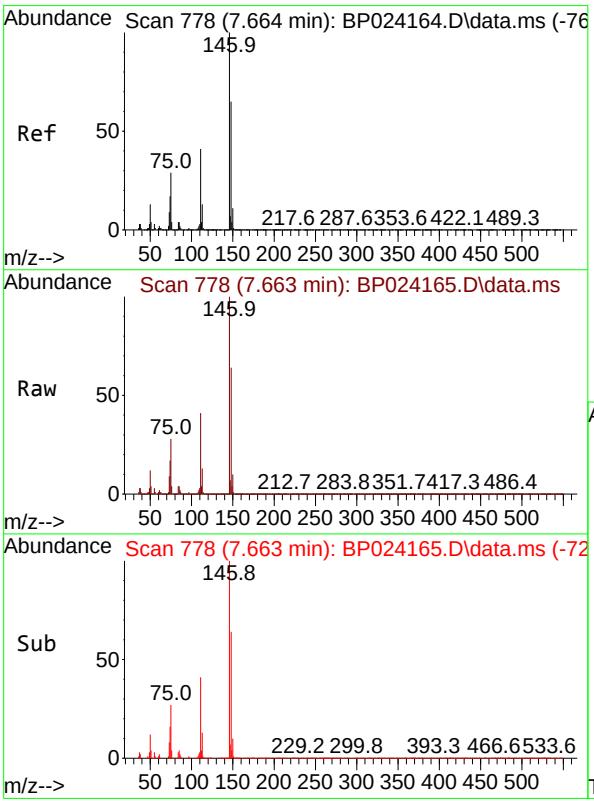

#11
bis(2-Chloroethyl)ether
Concen: 51.383 ng
RT: 7.199 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 93 Resp: 1214752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 67.9 | 47.4 | 87.4 |
| 95 | 32.4 | 12.1 | 52.1 |

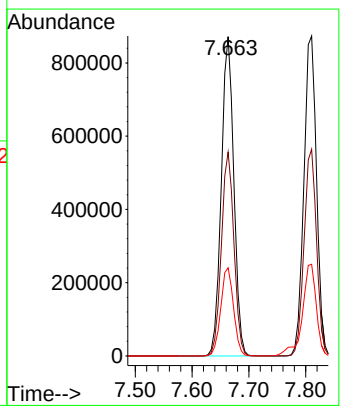


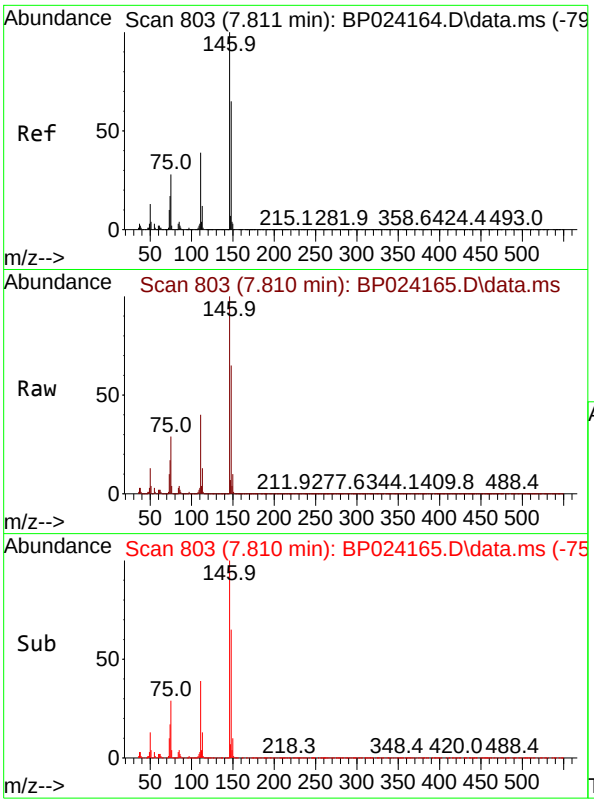




#12
1,3-Dichlorobenzene
Concen: 49.552 ng
RT: 7.663 min Scan# 778
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:146 Resp: 1338137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 51.6 | 77.4 |
| 75 | 27.6 | 22.8 | 34.2 |



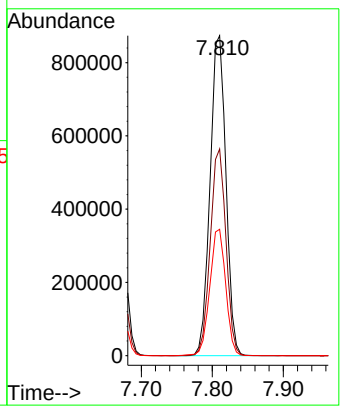


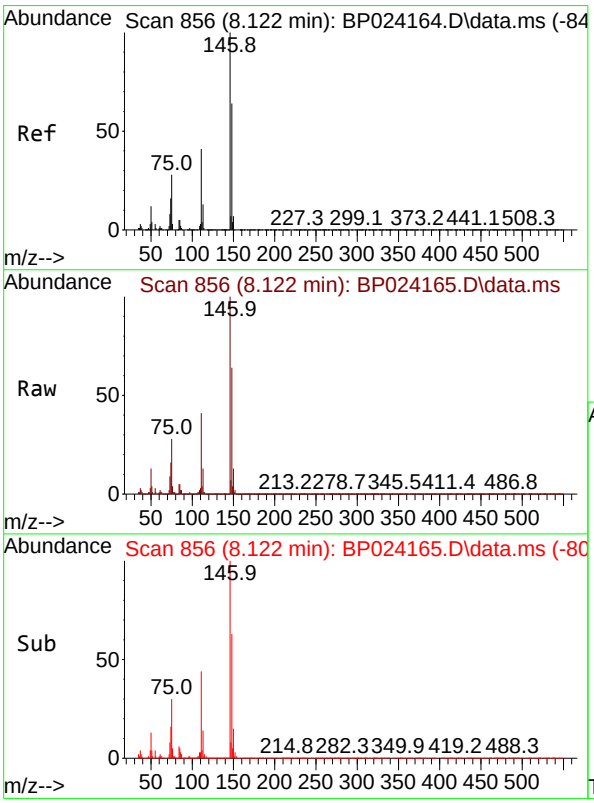

#13
1,4-Dichlorobenzene
Concen: 49.520 ng
RT: 7.810 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:146 Resp: 1352373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.6 | 51.9 | 77.9 |
| 111 | 39.5 | 31.4 | 47.2 |

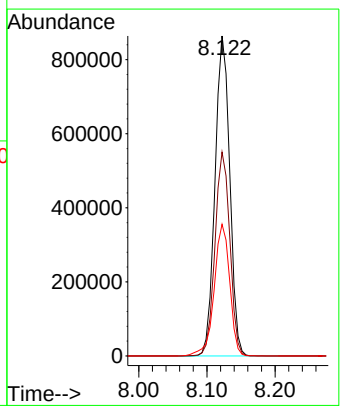


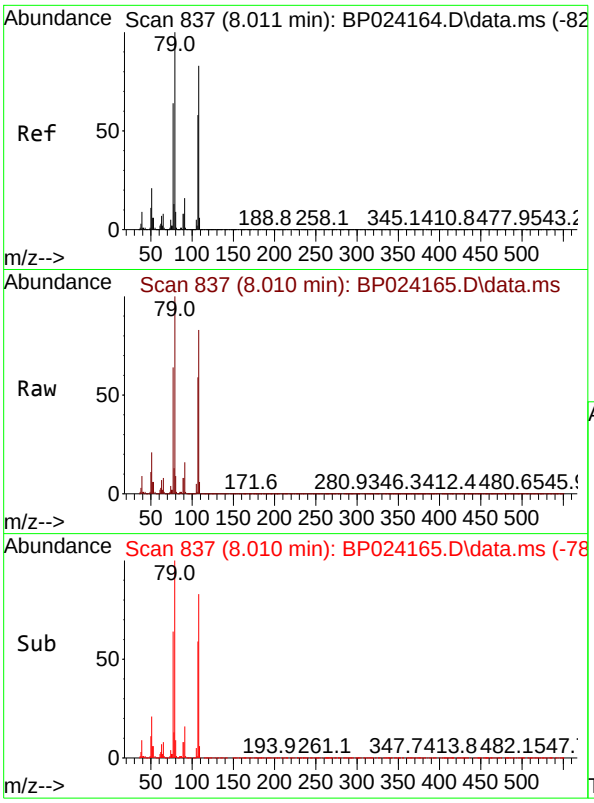




#14
1,2-Dichlorobenzene
Concen: 49.586 ng
RT: 8.122 min Scan# 856
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:146 Resp: 1299613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.7 | 51.4 | 77.2 |
| 111 | 41.2 | 33.2 | 49.8 |



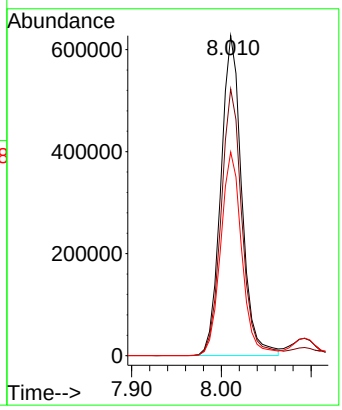


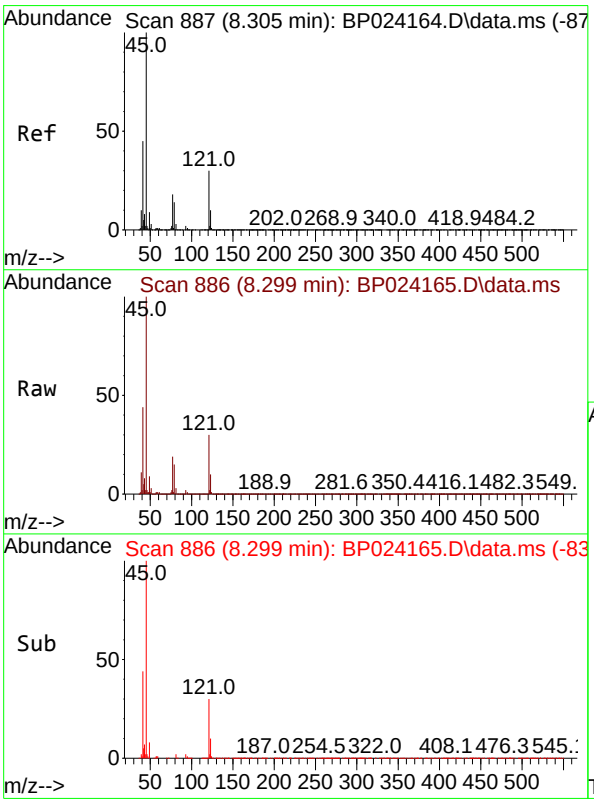

#15
Benzyl Alcohol
Concen: 55.621 ng
RT: 8.010 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 79 Resp: 1016261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 83.4 | 66.5 | 99.7 |
| 77 | 63.7 | 50.9 | 76.3 |

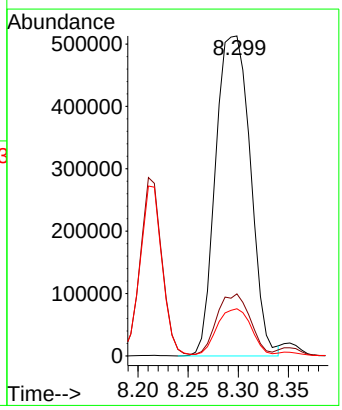


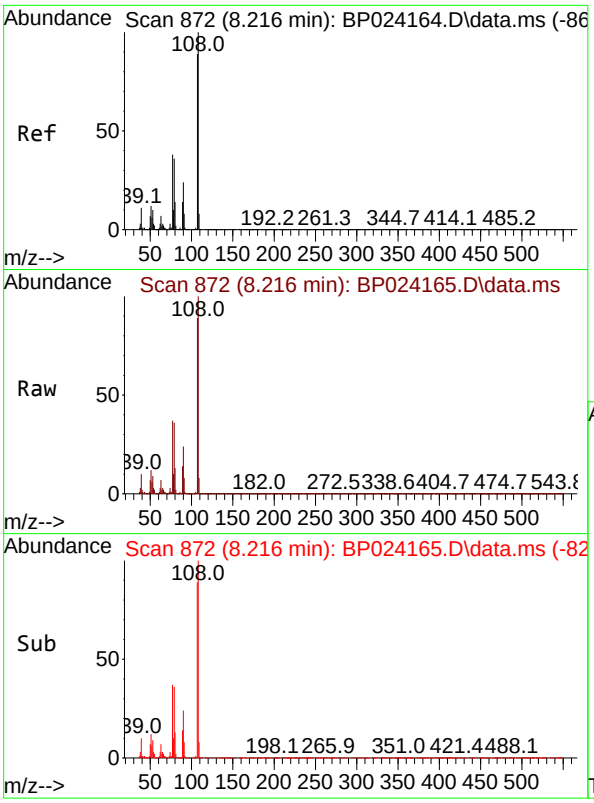




#16
2,2'-oxybis(1-Chloropropane)
Concen: 53.871 ng
RT: 8.299 min Scan# 886
Delta R.T. -0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion: 45 Resp: 1236313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 19.4 | 0.0 | 39.0 |
| 79 | 14.8 | 0.0 | 35.6 |



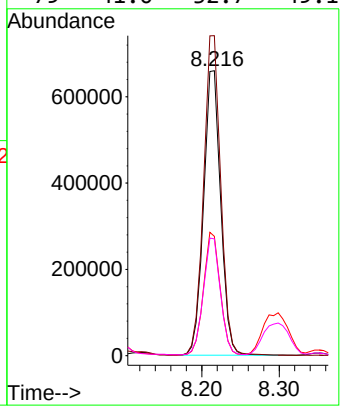


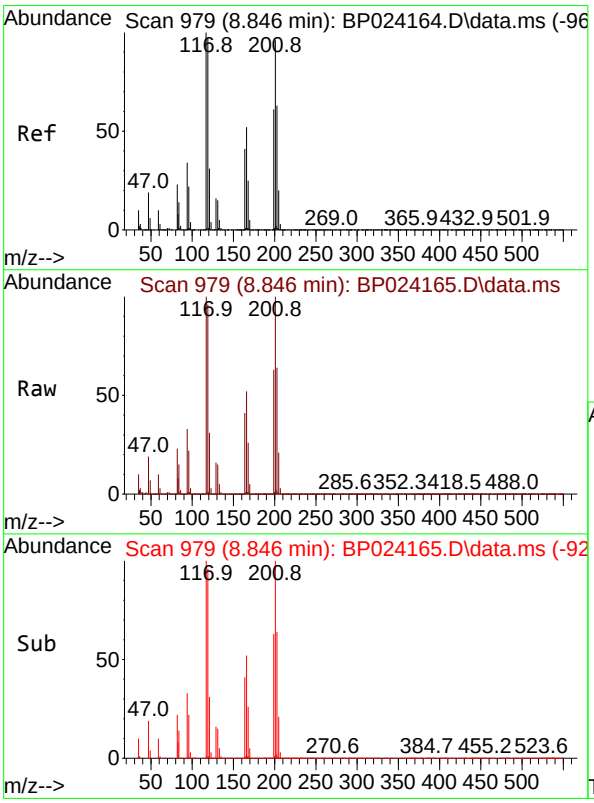

#17
2-Methylphenol
Concen: 55.257 ng
RT: 8.216 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:107 Resp: 1010720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.3 | 90.0 | 135.0 |
| 77 | 41.9 | 34.0 | 51.0 |
| 79 | 41.0 | 32.7 | 49.1 |

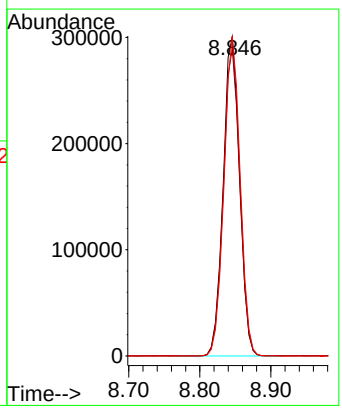


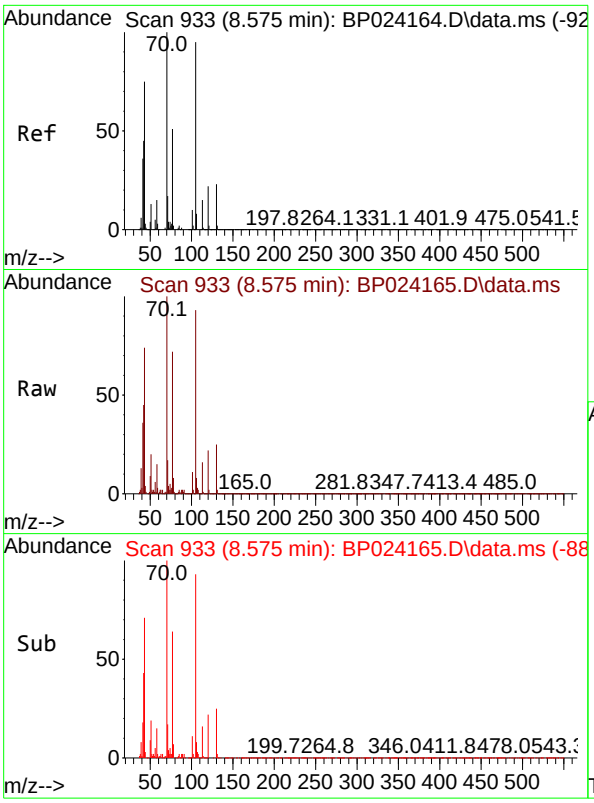




#18
Hexachloroethane
Concen: 49.052 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:117 Resp: 482437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.3 | 77.4 | 116.0 |
| 201 | 100.3 | 76.6 | 114.8 |



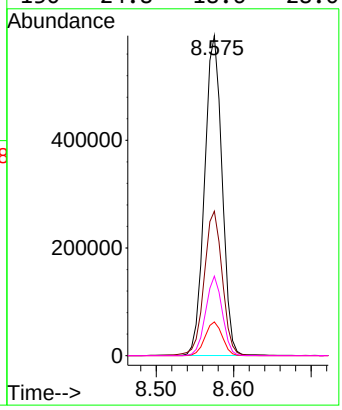


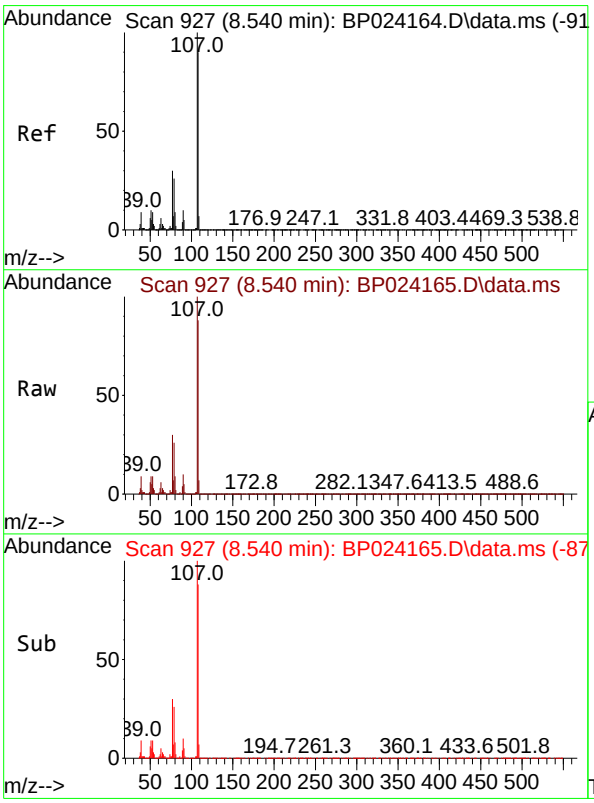

#19
n-Nitroso-di-n-propylamine
Concen: 57.939 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 70 Resp: 929876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 45.2 | 36.0 | 54.0 |
| 101 | 10.5 | 8.3 | 12.5 |
| 130 | 24.8 | 18.6 | 28.0 |

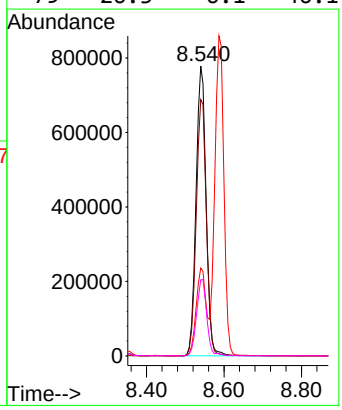


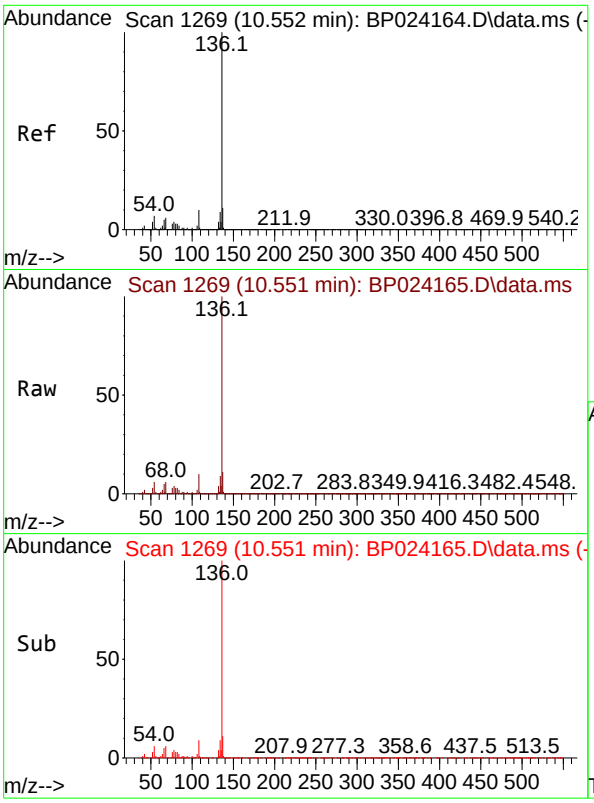




#20
3+4-Methylphenols
Concen: 56.333 ng
RT: 8.540 min Scan# 927
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:107 Resp: 1401754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.4 | 69.7 | 109.7 |
| 77 | 30.3 | 10.3 | 50.3 |
| 79 | 26.3 | 6.1 | 46.1 |



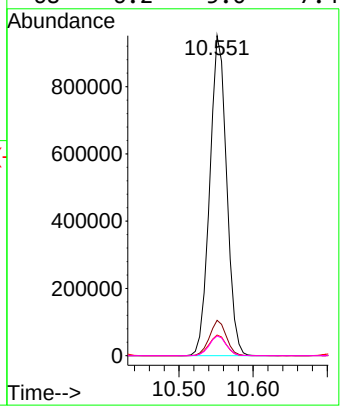


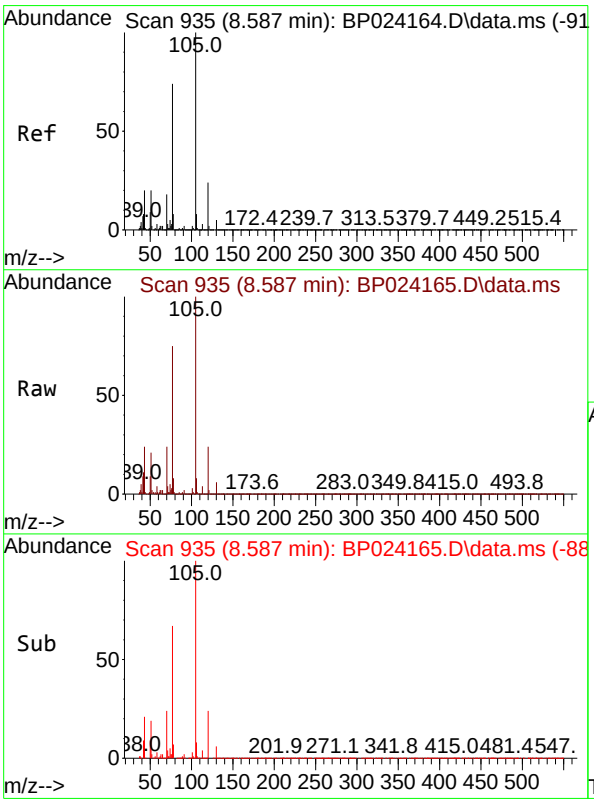

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.551 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:136 Resp: 1504882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 9.0 | 13.4 |
| 54 | 6.4 | 5.3 | 7.9 |
| 68 | 6.2 | 5.0 | 7.4 |

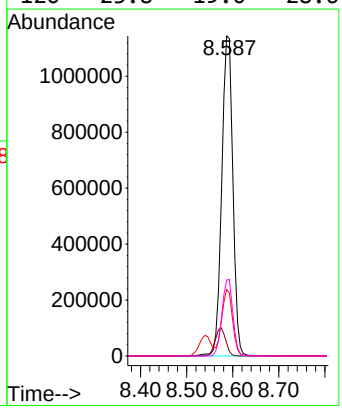


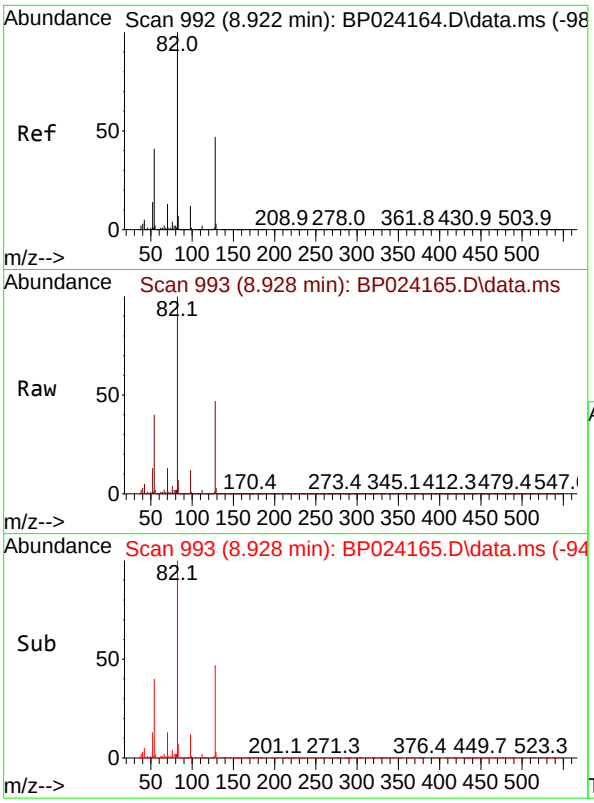




#22
Acetophenone
Concen: 49.450 ng
RT: 8.587 min Scan# 935
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:105 Resp: 1912289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 3.9 | 2.4 | 3.6# |
| 51 | 20.8 | 16.2 | 24.2 |
| 120 | 23.8 | 19.0 | 28.6 |



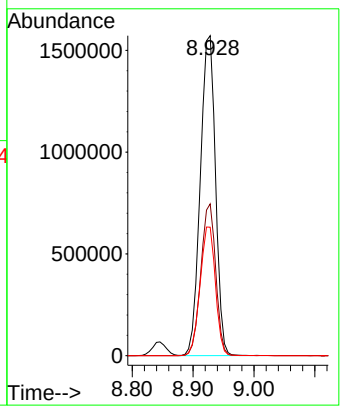


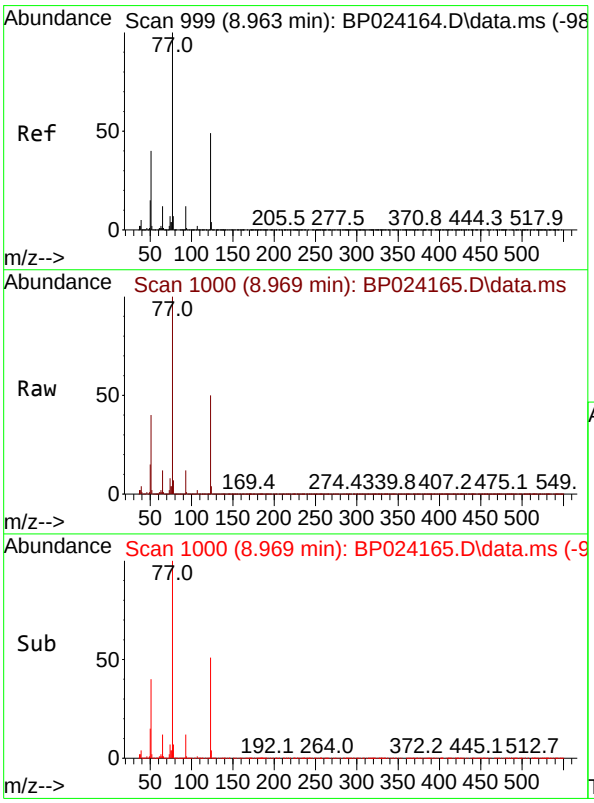

#23
Nitrobenzene-d5
Concen: 100.962 ng
RT: 8.928 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 82 Resp: 2723412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.4 | 37.4 | 56.0 |
| 54 | 40.1 | 32.5 | 48.7 |

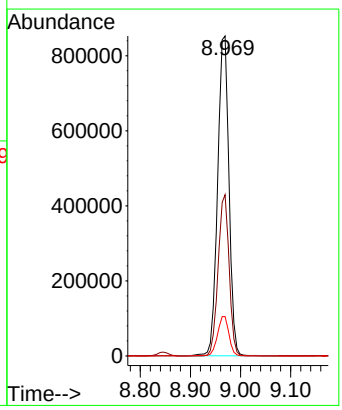


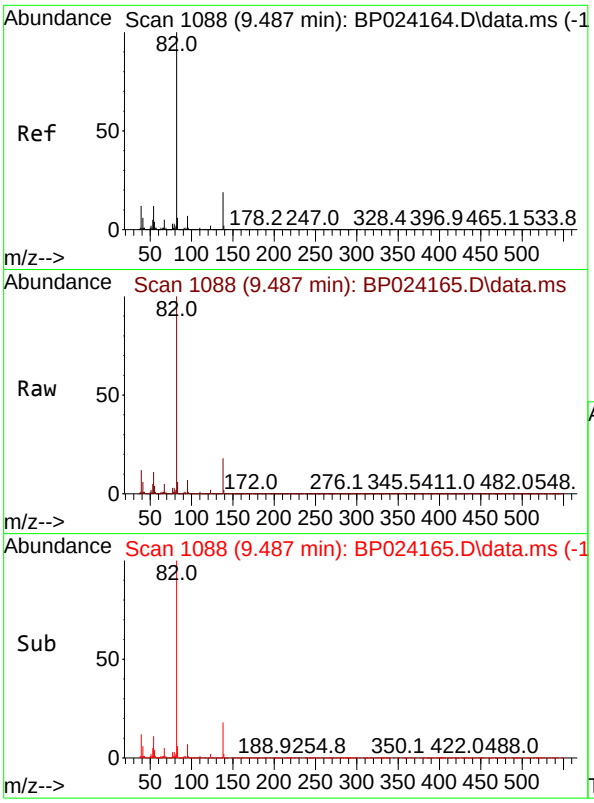




#24
Nitrobenzene
Concen: 50.299 ng
RT: 8.969 min Scan# 1000
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion: 77 Resp: 1335288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 50.4 | 39.4 | 59.2 |
| 65 | 12.3 | 9.9 | 14.9 |



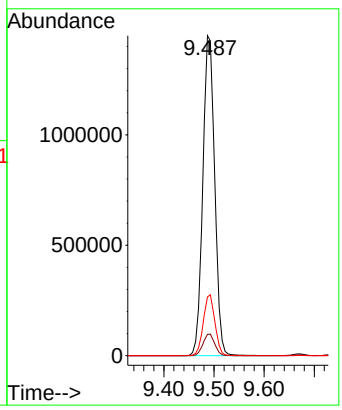


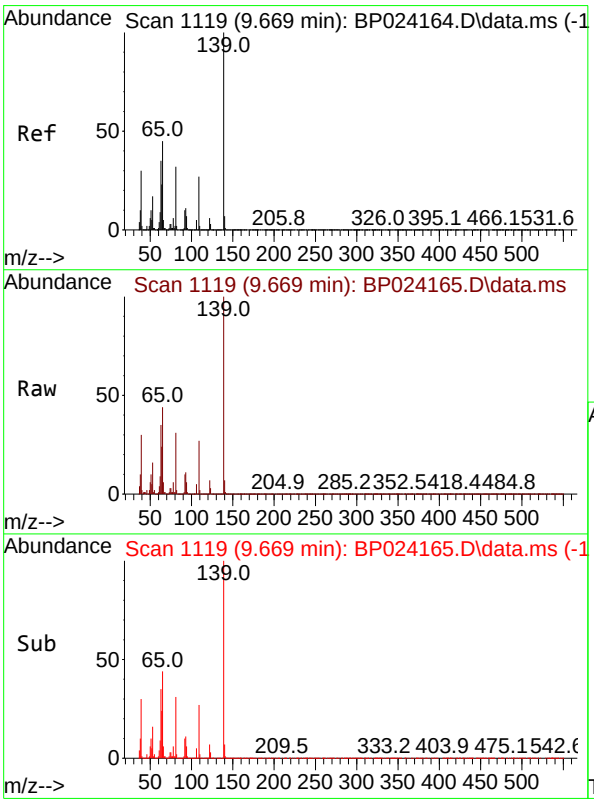

#25
Isophorone
Concen: 54.168 ng
RT: 9.487 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 82 Resp: 2389410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.7 | 5.3 | 7.9 |
| 138 | 18.3 | 14.8 | 22.2 |

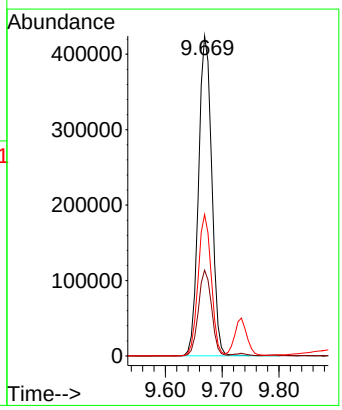


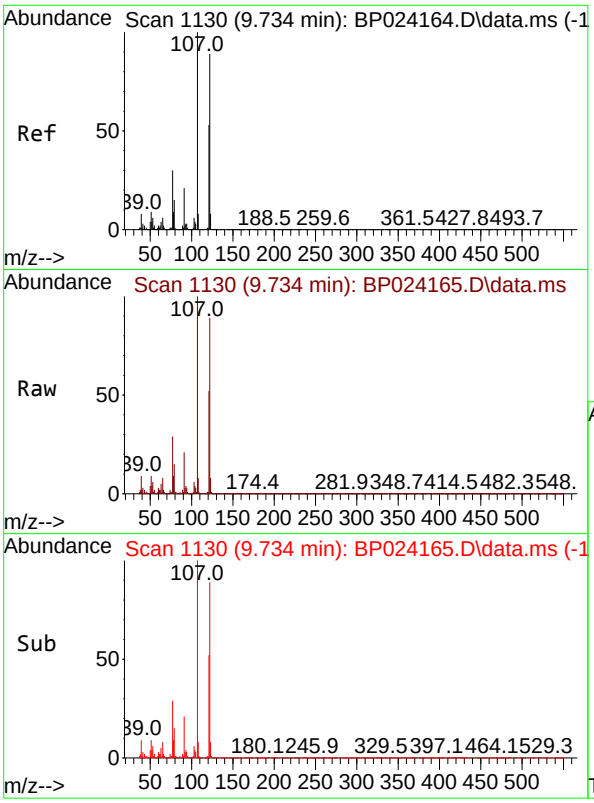




#26
2-Nitrophenol
Concen: 56.096 ng
RT: 9.669 min Scan# 1119
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:139 Resp: 686089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 26.8 | 21.7 | 32.5 |
| 65 | 44.2 | 35.8 | 53.8 |



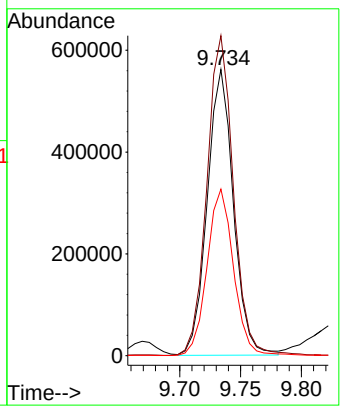


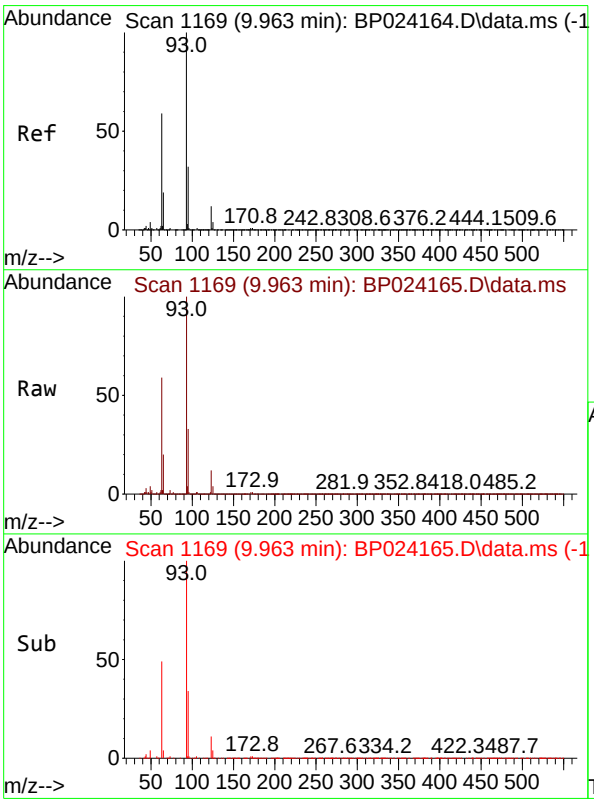

#27
2,4-Dimethylphenol
Concen: 52.362 ng
RT: 9.734 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:122 Resp: 840657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 111.8 | 89.3 | 133.9 |
| 121 | 58.2 | 47.5 | 71.3 |

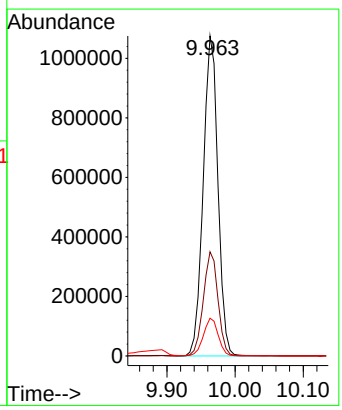


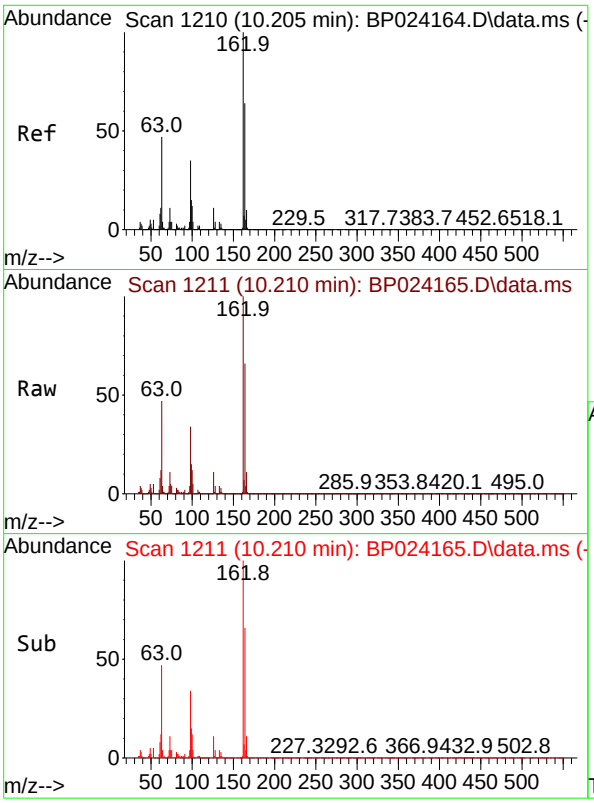




#28
bis(2-Chloroethoxy)methane
Concen: 50.476 ng
RT: 9.963 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion: 93 Resp: 1612977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.6 | 25.9 | 38.9 |
| 123 | 11.8 | 9.5 | 14.3 |



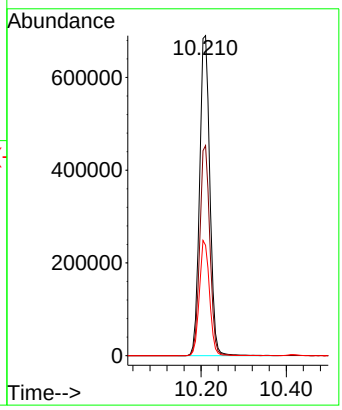


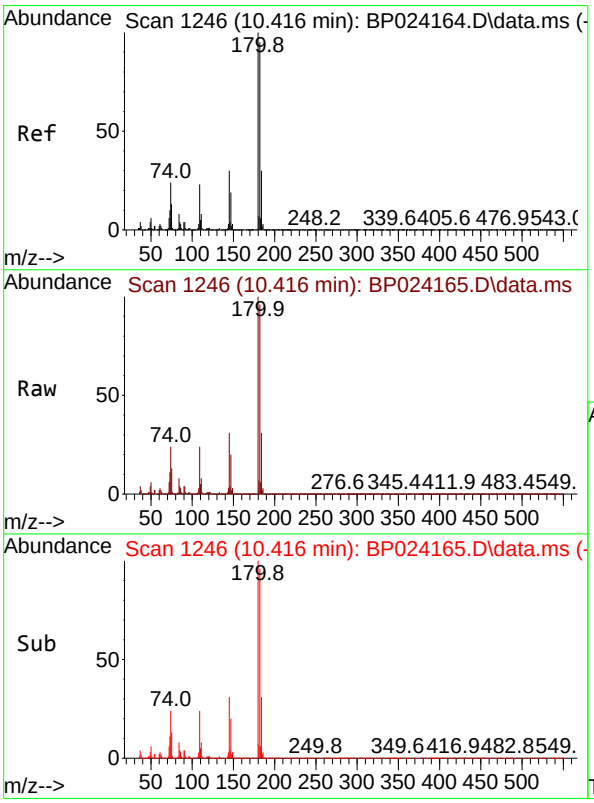

#29
2,4-Dichlorophenol
Concen: 52.591 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:162 Resp: 1152247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 65.6 | 44.2 | 84.2 |
| 98 | 34.5 | 15.1 | 55.1 |

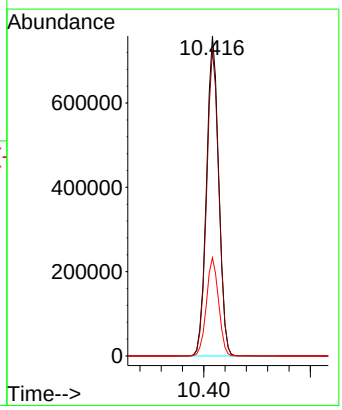


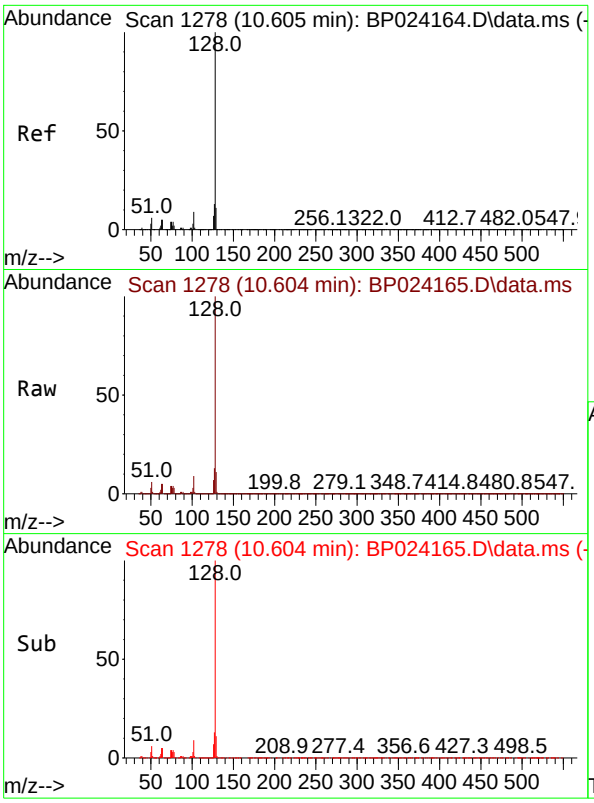




#30
1,2,4-Trichlorobenzene
Concen: 48.306 ng
RT: 10.416 min Scan# 1246
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:180 Resp: 1212617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 76.1 | 114.1 |
| 145 | 30.7 | 24.2 | 36.2 |



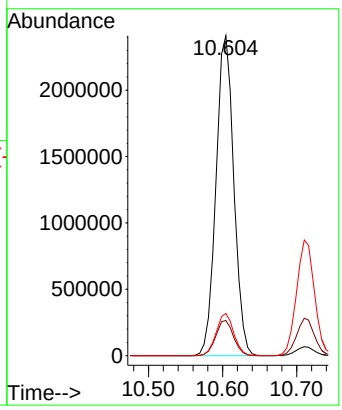


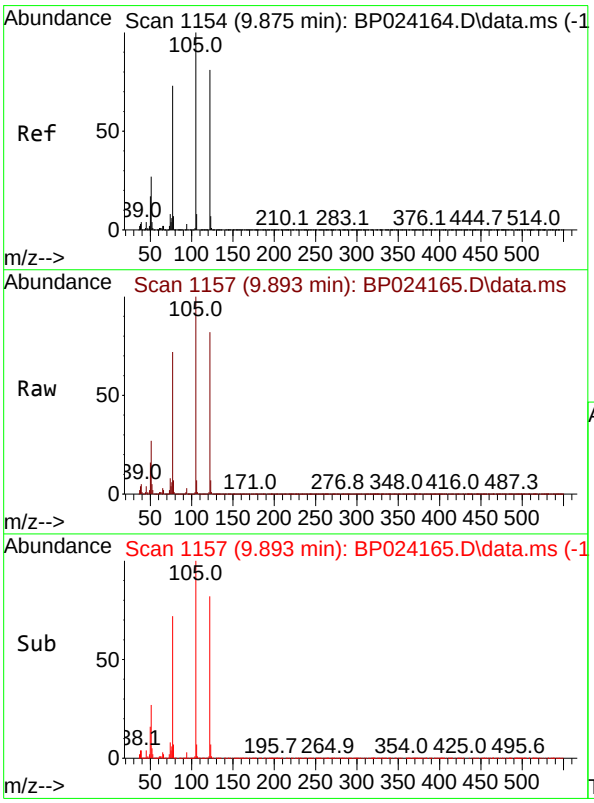

#31
Naphthalene
Concen: 49.689 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:128 Resp: 4020722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.7 | 13.1 |
| 127 | 13.2 | 10.4 | 15.6 |

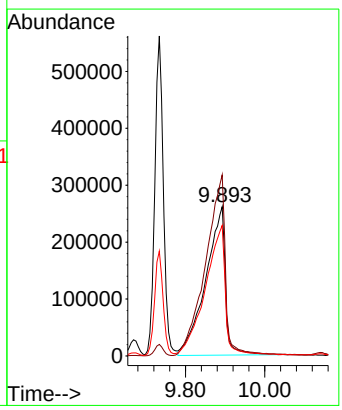


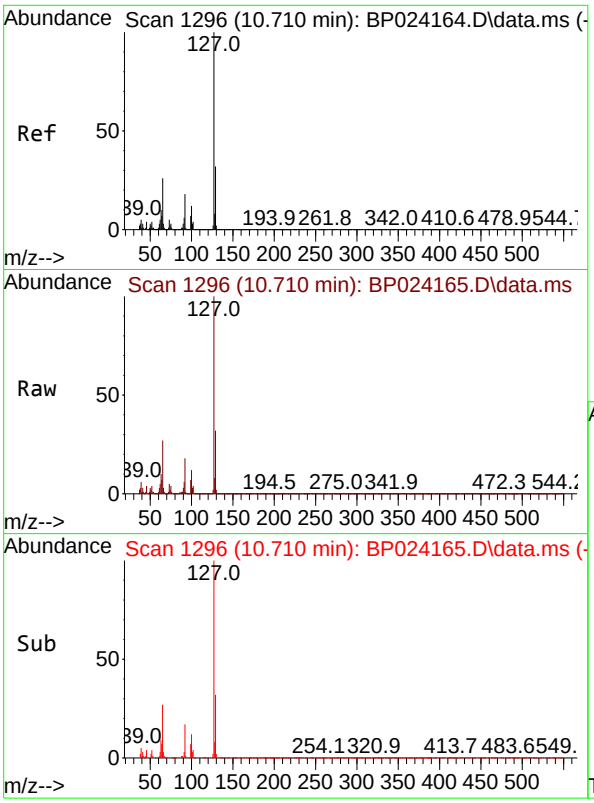




#32
Benzoic acid
Concen: 61.152 ng
RT: 9.893 min Scan# 1157
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:122 Resp: 900054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 121.3 | 100.3 | 140.3 |
| 77 | 87.4 | 69.1 | 109.1 |



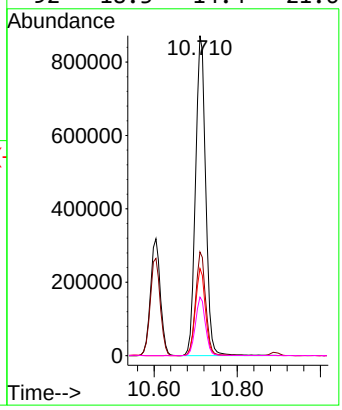


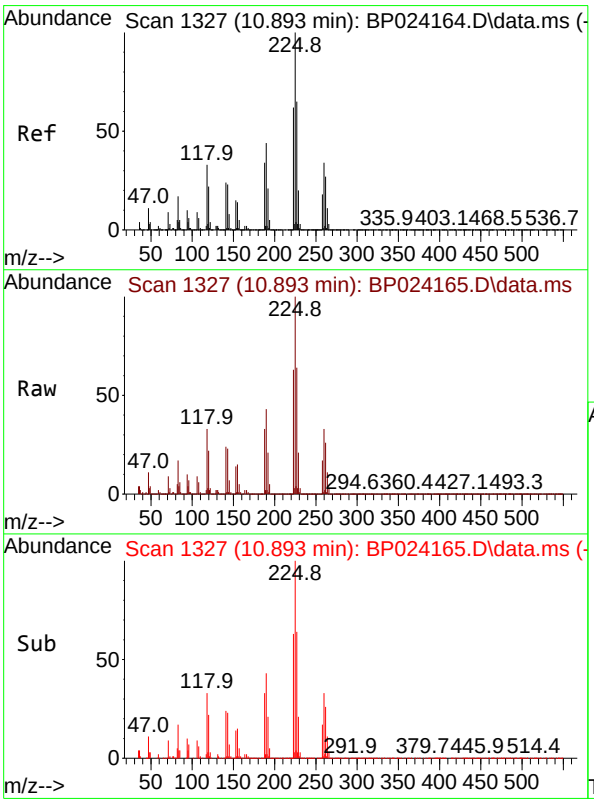

#33
4-Chloroaniline
Concen: 51.976 ng
RT: 10.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:127 Resp: 1481634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.4 | 25.8 | 38.6 |
| 65 | 27.3 | 21.2 | 31.8 |
| 92 | 18.3 | 14.4 | 21.6 |

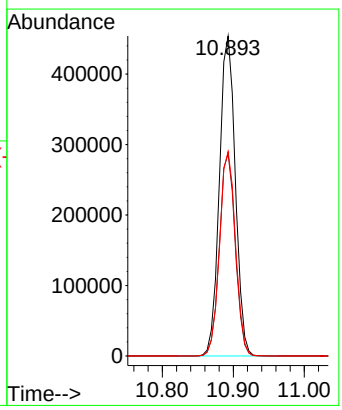


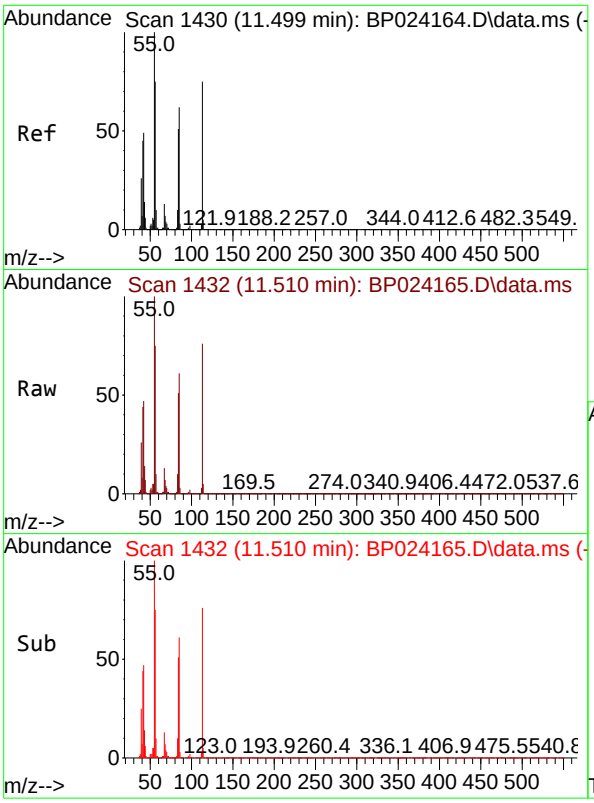




#34
Hexachlorobutadiene
Concen: 48.392 ng
RT: 10.893 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:225 Resp: 703606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.2 | 49.9 | 74.9 |
| 227 | 63.9 | 52.2 | 78.2 |



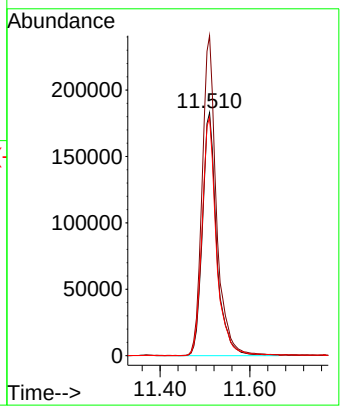


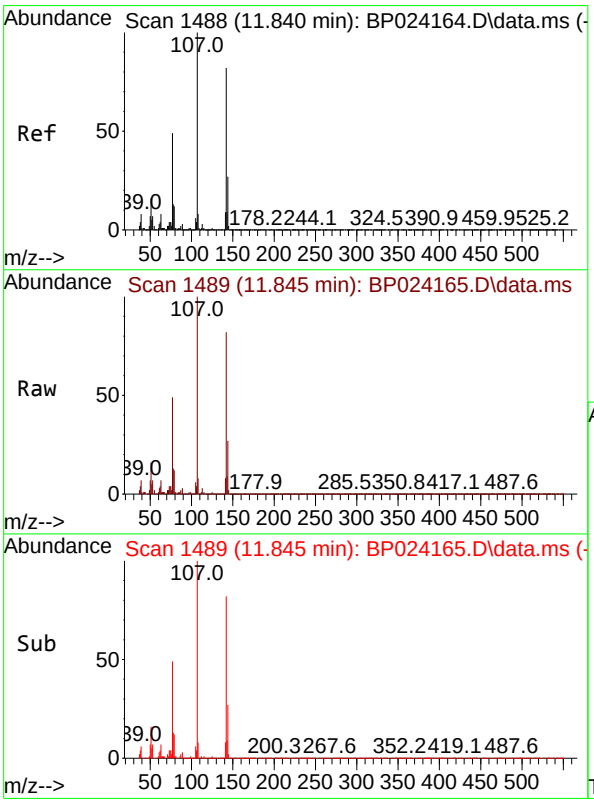

#35
Caprolactam
Concen: 60.646 ng
RT: 11.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:113 Resp: 402356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 131.8 | 113.6 | 153.6 |
| 56 | 98.2 | 80.0 | 120.0 |

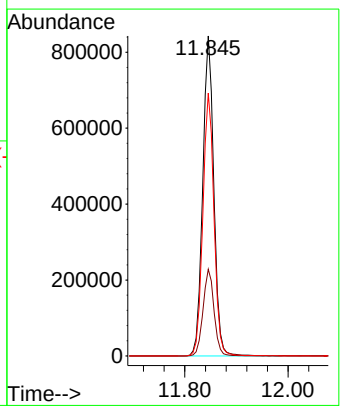


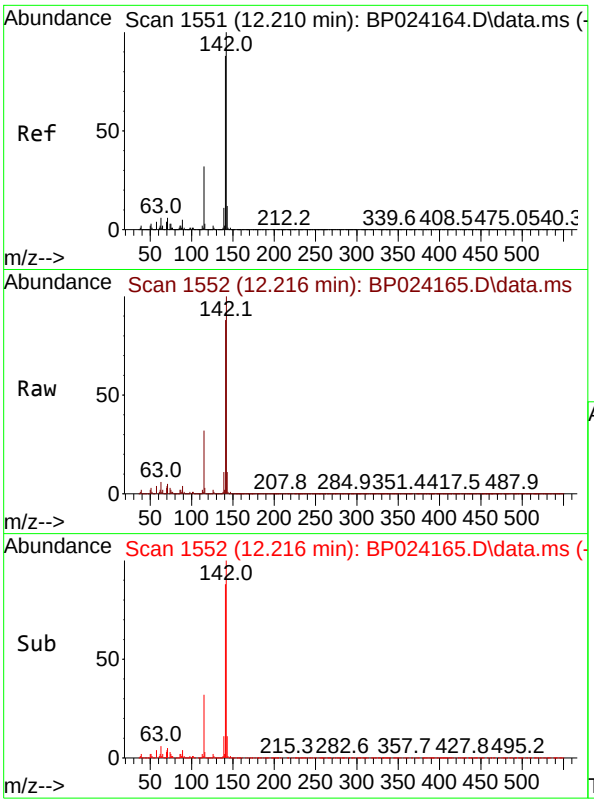




#36
4-Chloro-3-methylphenol
Concen: 55.551 ng
RT: 11.845 min Scan# 1489
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:107 Resp: 1251209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 27.1 | 21.6 | 32.4 |
| 142 | 82.1 | 65.4 | 98.0 |



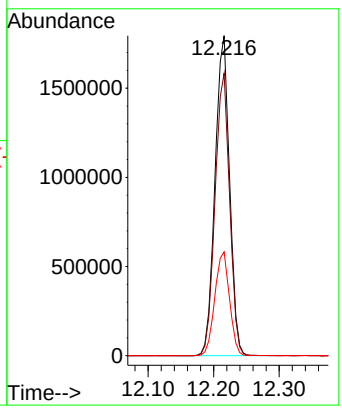


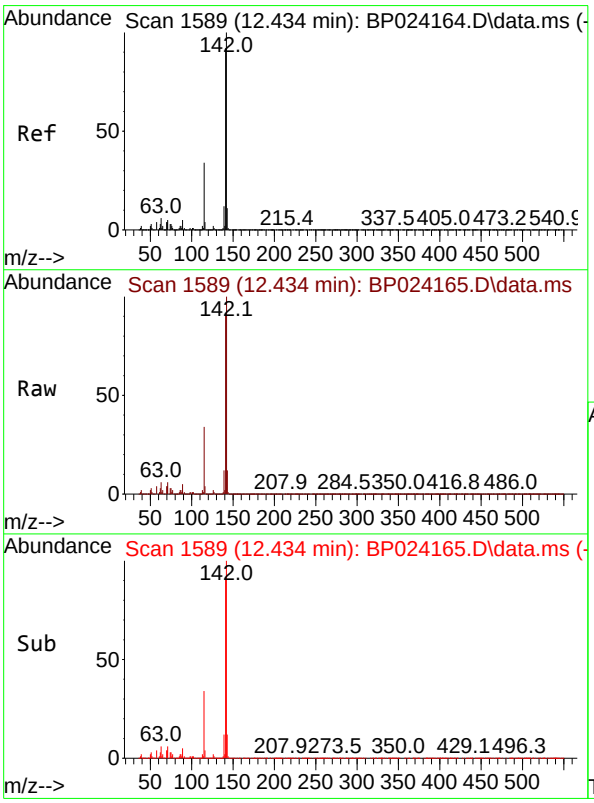

#37
2-Methylnaphthalene
Concen: 51.131 ng
RT: 12.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:142 Resp: 2749915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.3 | 70.3 | 105.5 |
| 115 | 32.4 | 26.0 | 39.0 |

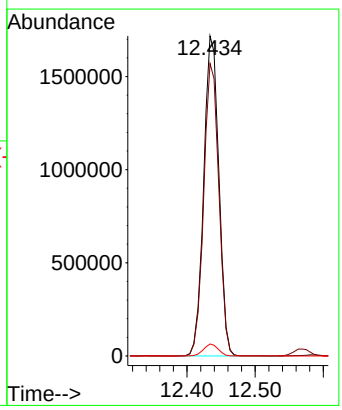


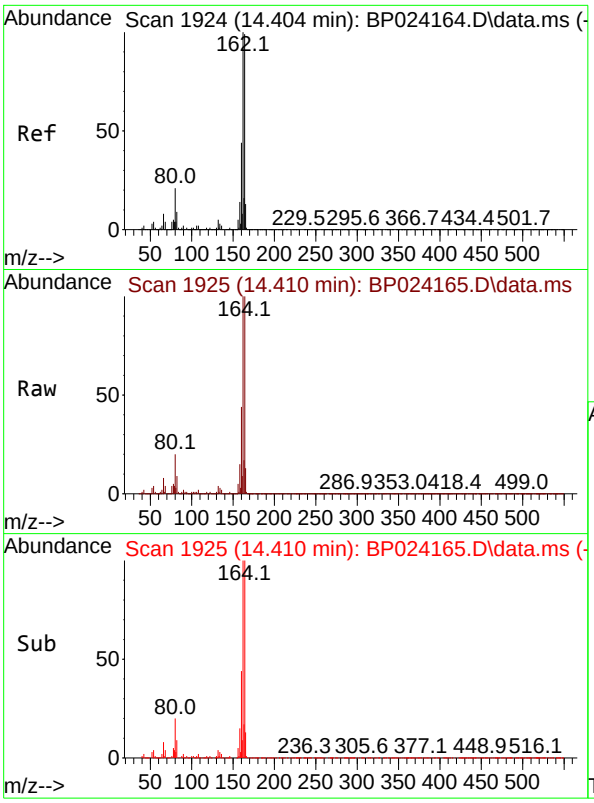




#38
1-Methylnaphthalene
Concen: 50.600 ng
RT: 12.434 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:142 Resp: 2647375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.4 | 73.9 | 110.9 |
| 116 | 3.7 | 2.8 | 4.2 |



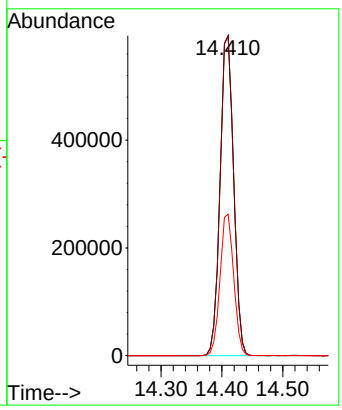


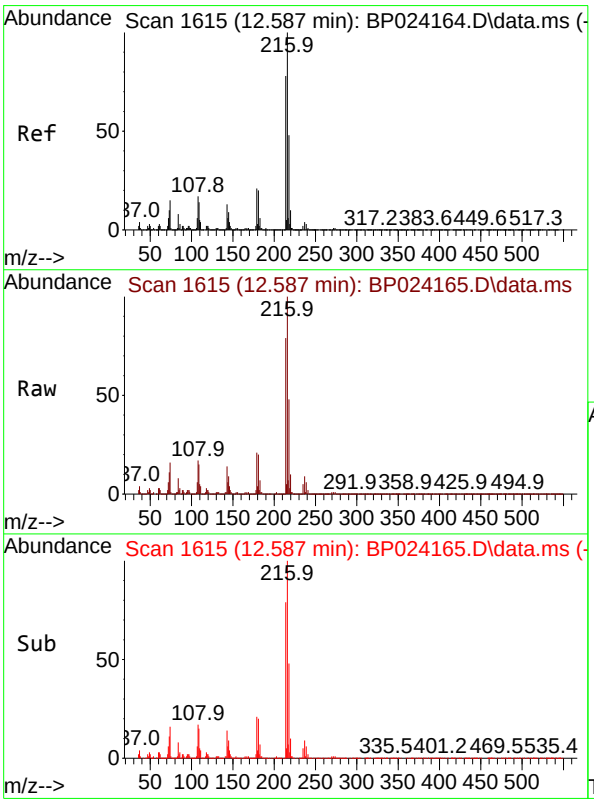

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:164 Resp: 918204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.9 | 80.6 | 121.0 |
| 160 | 44.2 | 35.4 | 53.2 |

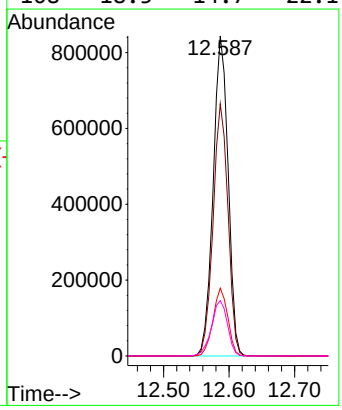


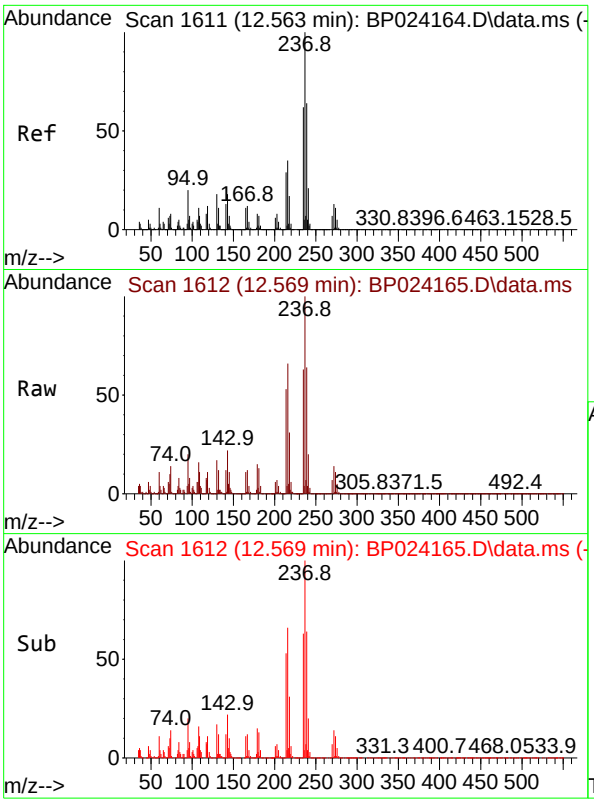




#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.188 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:216 Resp: 1331287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.5 | 62.8 | 94.2 |
| 179 | 20.9 | 16.8 | 25.2 |
| 108 | 18.5 | 14.7 | 22.1 |



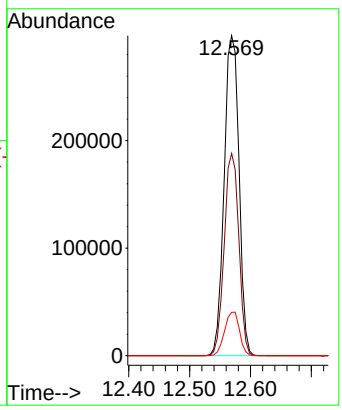


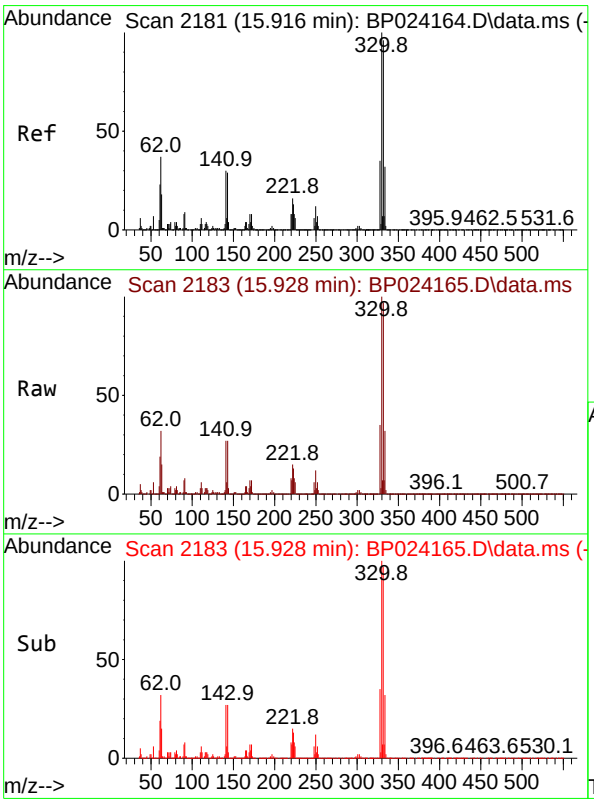

#41
Hexachlorocyclopentadiene
Concen: 47.999 ng
RT: 12.569 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:237 Resp: 503901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.2 | 41.8 | 81.8 |
| 272 | 13.5 | 0.0 | 33.5 |

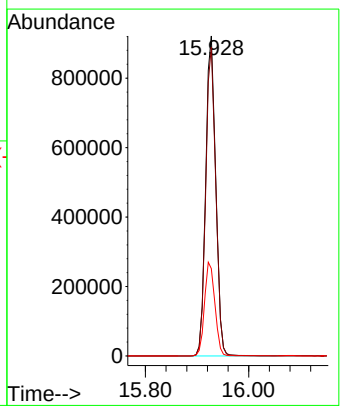


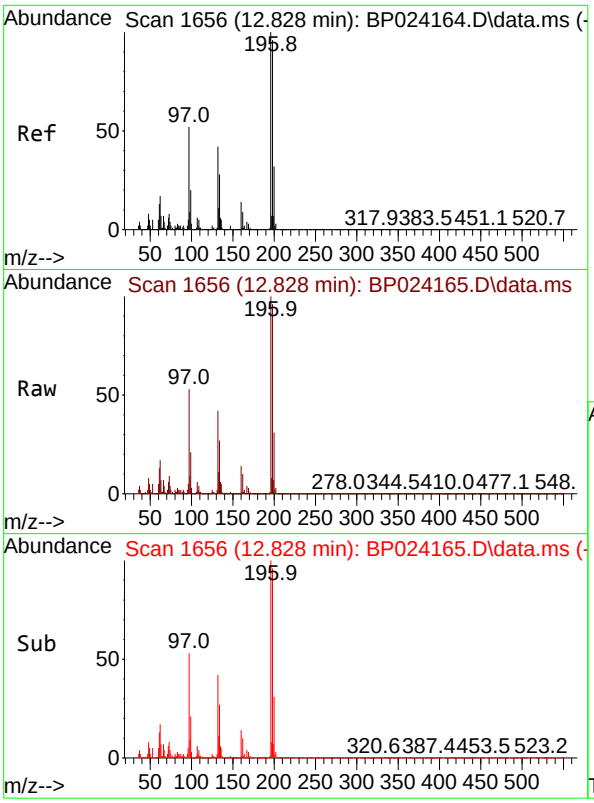




#42
2,4,6-Tribromophenol
Concen: 110.267 ng
RT: 15.928 min Scan# 2183
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:330 Resp: 1240173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.7 | 77.6 | 116.4 |
| 141 | 30.3 | 25.0 | 37.6 |



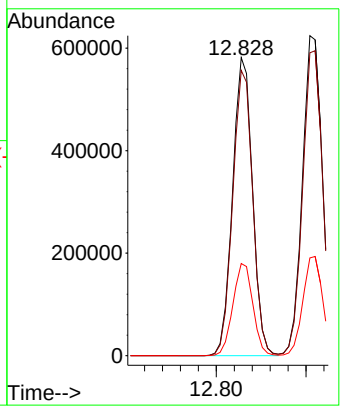


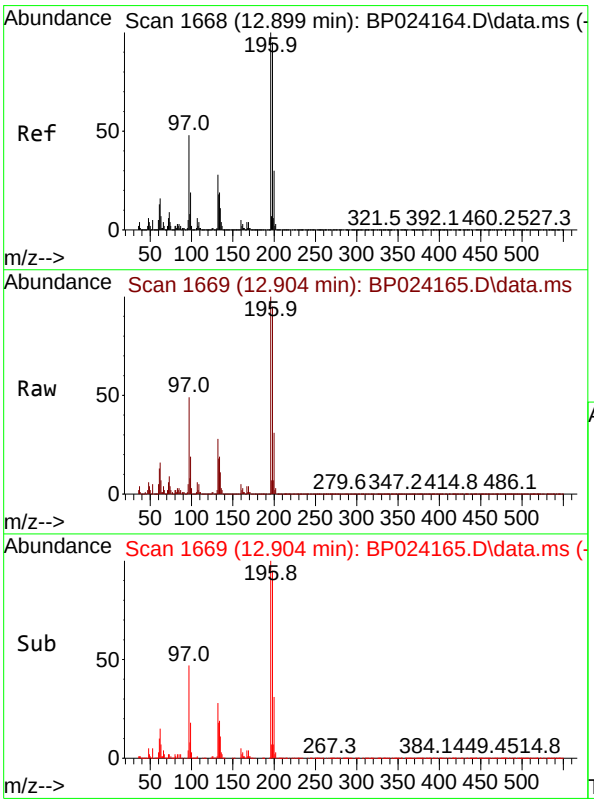

#43
2,4,6-Trichlorophenol
Concen: 52.112 ng
RT: 12.828 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:196 Resp: 896606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.7 | 76.6 | 115.0 |
| 200 | 30.9 | 25.4 | 38.0 |

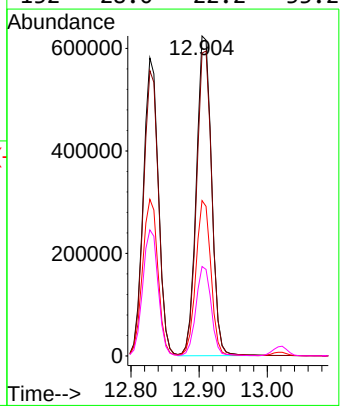


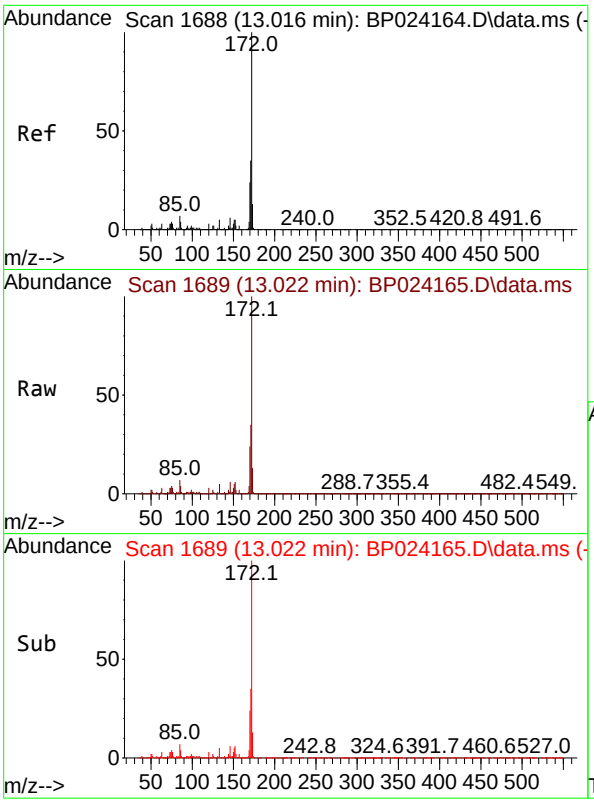




#44
2,4,5-Trichlorophenol
Concen: 51.517 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:196 Resp: 969372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.7 | 76.5 | 114.7 |
| 97 | 48.5 | 38.7 | 58.1 |
| 132 | 28.0 | 22.2 | 33.2 |



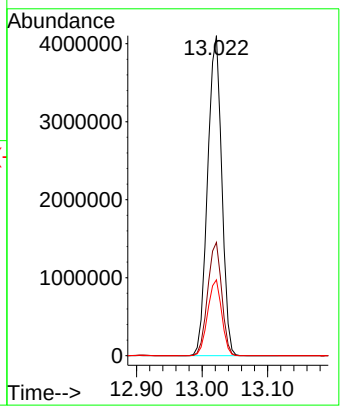


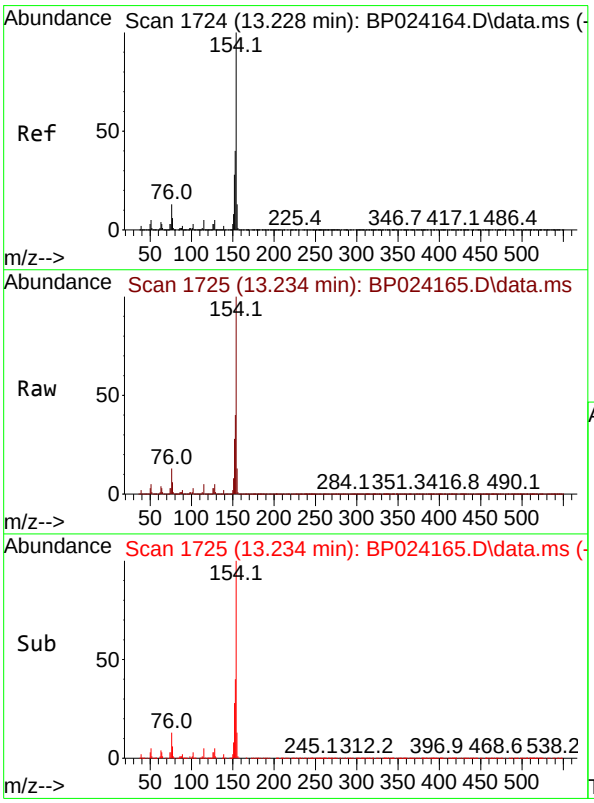

#45
2-Fluorobiphenyl
Concen: 93.318 ng
RT: 13.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:172 Resp: 6129086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 28.3 | 42.5 |
| 170 | 23.7 | 19.0 | 28.4 |

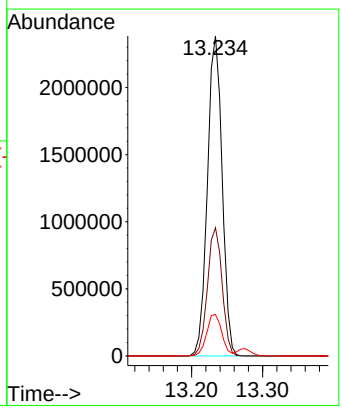


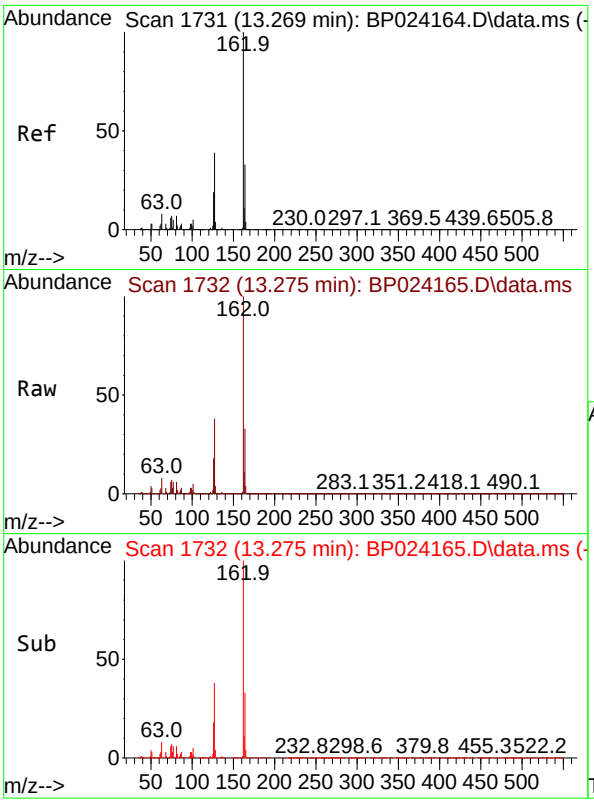




#46
1,1'-Biphenyl
Concen: 48.043 ng
RT: 13.234 min Scan# 1725
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:154 Resp: 3427883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.0 | 20.3 | 60.3 |
| 76 | 12.9 | 0.0 | 32.9 |



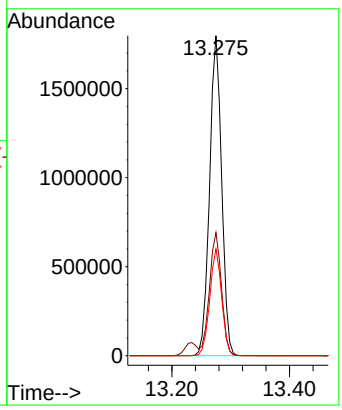


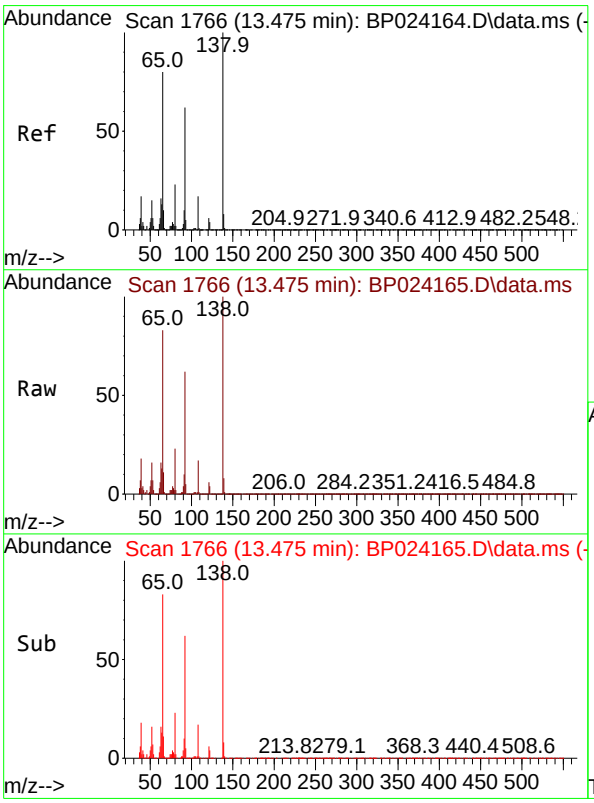

#47
2-Chloronaphthalene
Concen: 47.446 ng
RT: 13.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:162 Resp: 2559098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 38.4 | 31.5 | 47.3 |
| 164 | 33.3 | 26.6 | 39.8 |

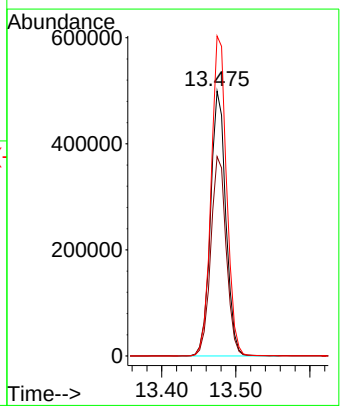


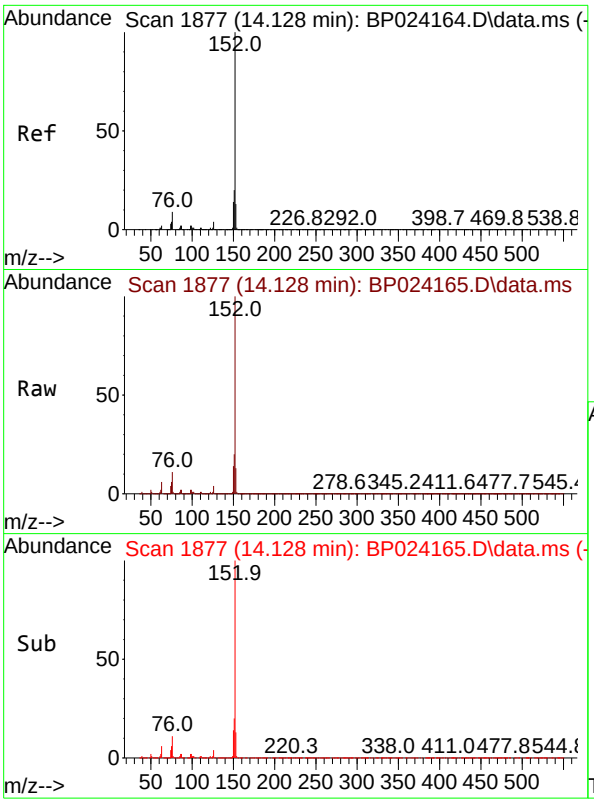




#48
2-Nitroaniline
Concen: 56.066 ng
RT: 13.475 min Scan# 1766
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion: 65 Resp: 714343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 75.3 | 62.1 | 93.1 |
| 138 | 120.9 | 99.5 | 149.3 |



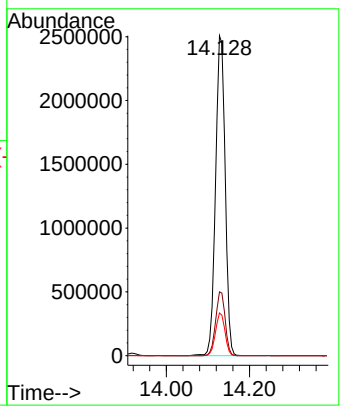


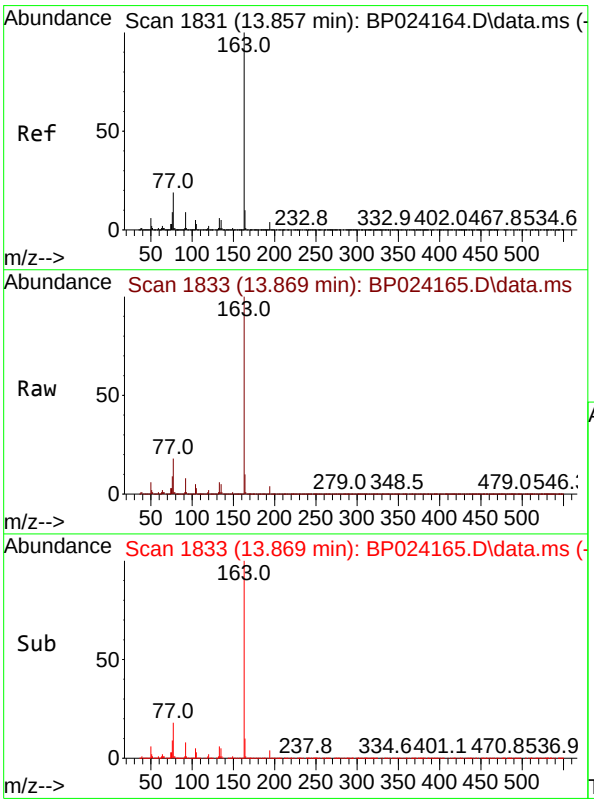

#49
Acenaphthylene
Concen: 50.533 ng
RT: 14.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:152 Resp: 4015684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.9 | 16.0 | 24.0 |
| 153 | 13.3 | 10.6 | 15.8 |

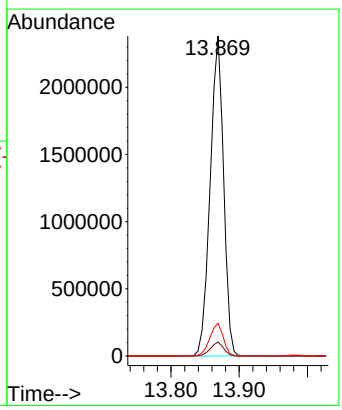


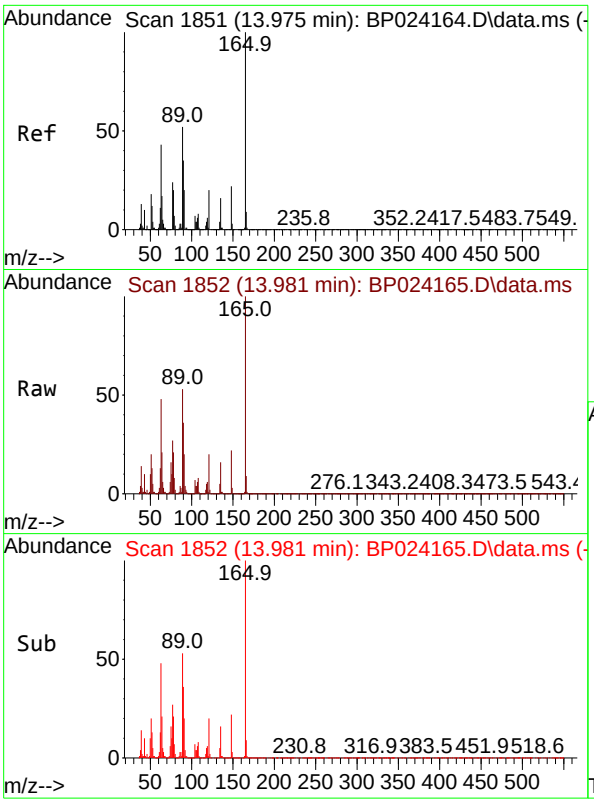




#50
Dimethylphthalate
Concen: 50.224 ng
RT: 13.869 min Scan# 1833
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:163 Resp: 3252950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.4 | 3.4 | 5.0 |
| 164 | 10.2 | 8.2 | 12.4 |



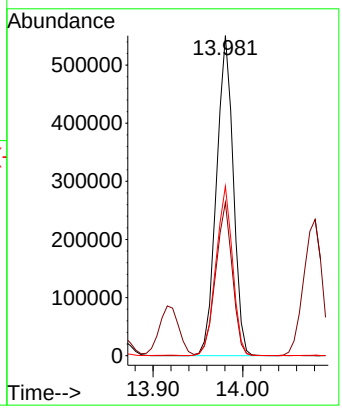


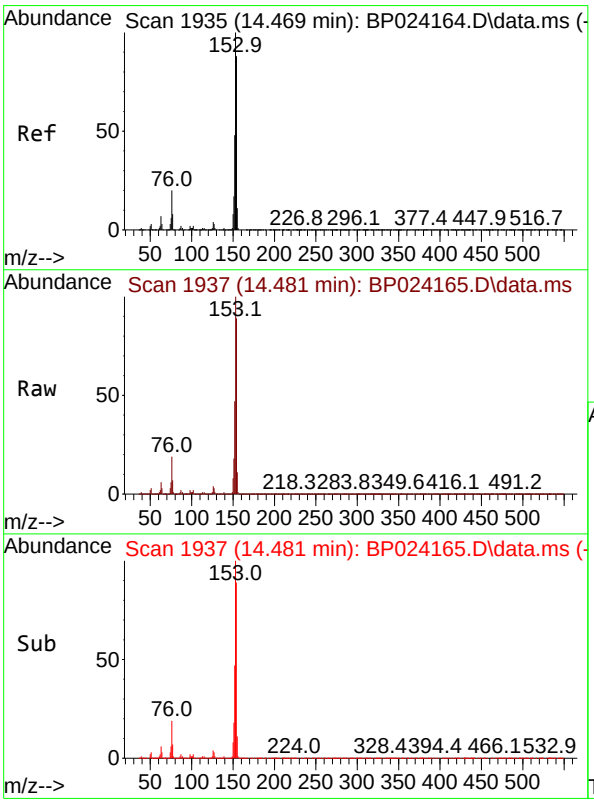

#51
2,6-Dinitrotoluene
Concen: 54.206 ng
RT: 13.981 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:165 Resp: 715171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 47.9 | 37.7 | 56.5 |
| 89 | 53.0 | 41.9 | 62.9 |

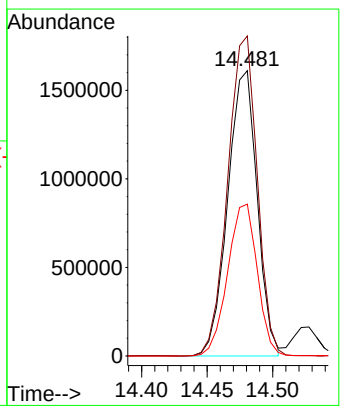


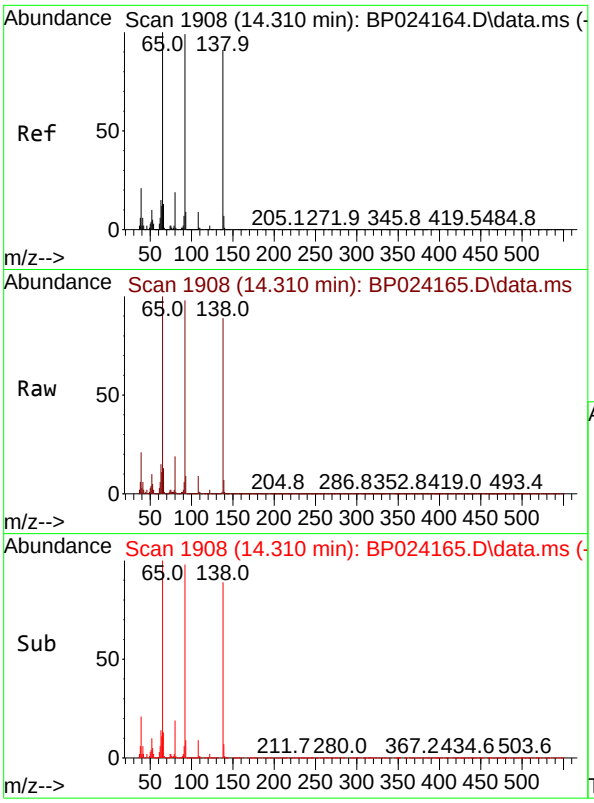




#52
Acenaphthene
Concen: 49.182 ng
RT: 14.481 min Scan# 1937
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:154 Resp: 2516832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.2 | 90.5 | 135.7 |
| 152 | 53.2 | 43.1 | 64.7 |



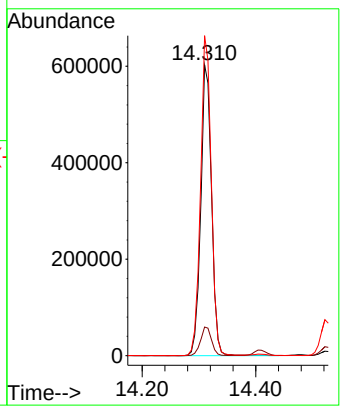


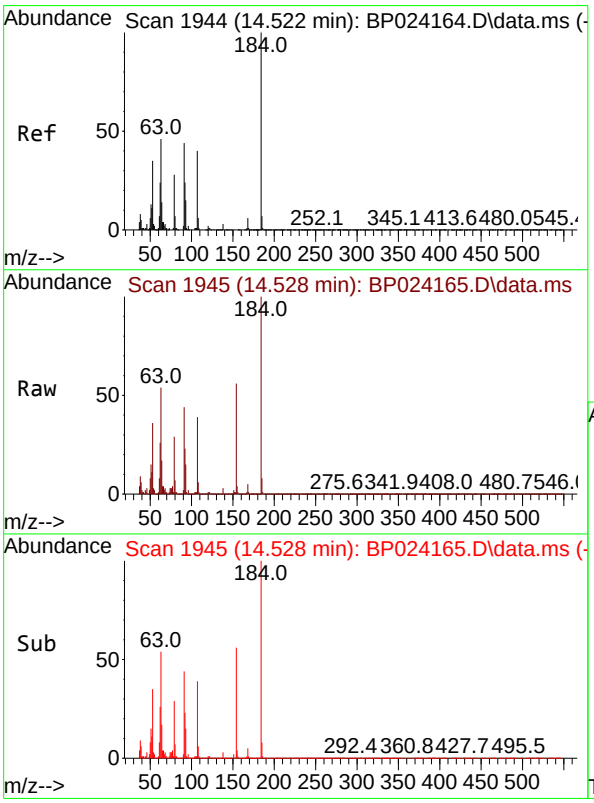

#53
3-Nitroaniline
Concen: 56.128 ng
RT: 14.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:138 Resp: 790217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 9.9 | 8.2 | 12.2 |
| 92 | 110.1 | 86.7 | 130.1 |

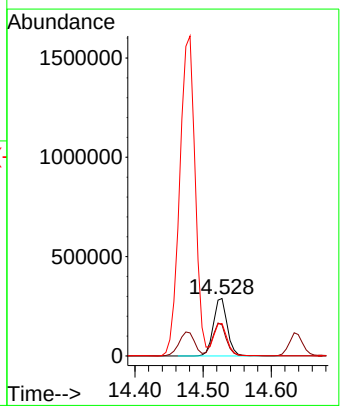


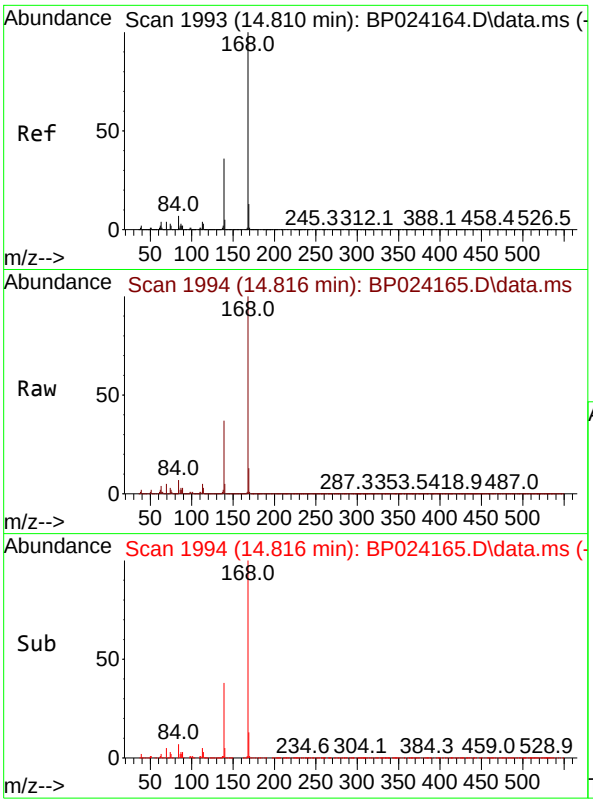




#54
2,4-Dinitrophenol
Concen: 58.439 ng
RT: 14.528 min Scan# 1945
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:184 Resp: 410616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 53.9 | 42.1 | 63.1 |
| 154 | 56.4 | 44.6 | 67.0 |



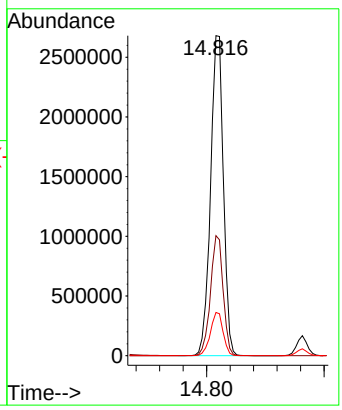


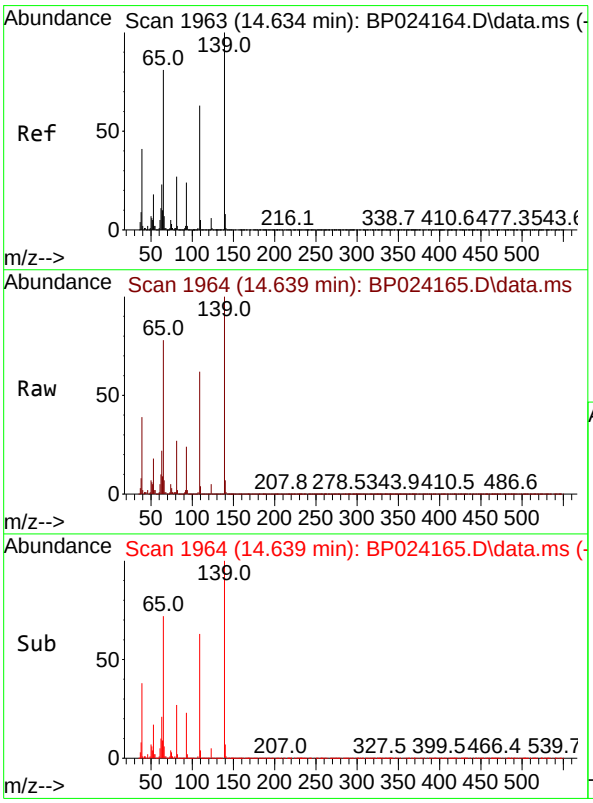

#55
Dibenzofuran
Concen: 48.816 ng
RT: 14.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:168 Resp: 4058172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.5 | 29.1 | 43.7 |
| 169 | 13.5 | 10.8 | 16.2 |

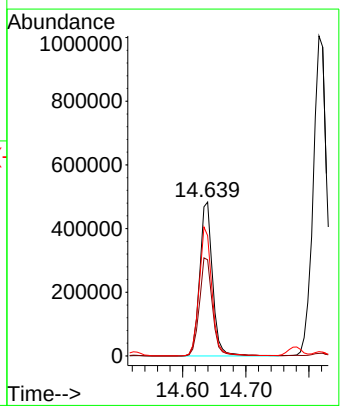


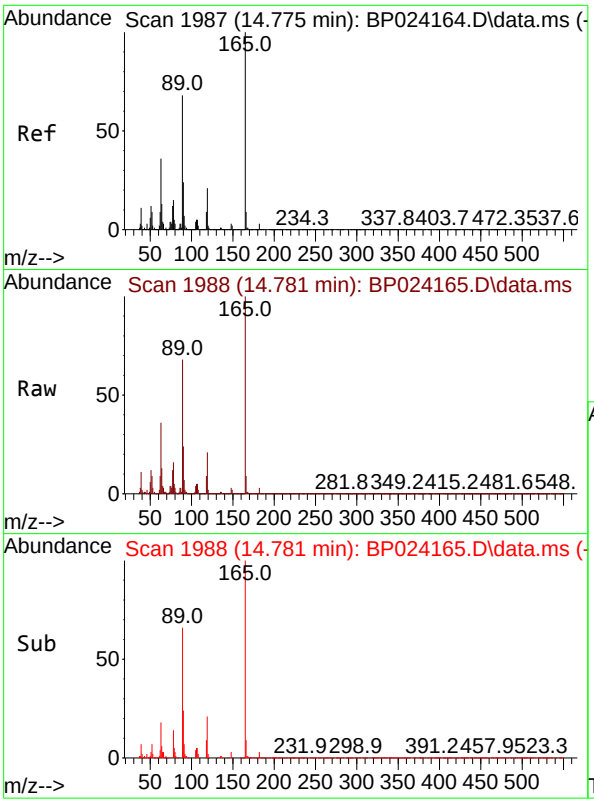




#56
4-Nitrophenol
Concen: 56.382 ng
RT: 14.639 min Scan# 1964
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:139 Resp: 685687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 62.5 | 43.3 | 83.3 |
| 65 | 78.1 | 61.2 | 101.2 |



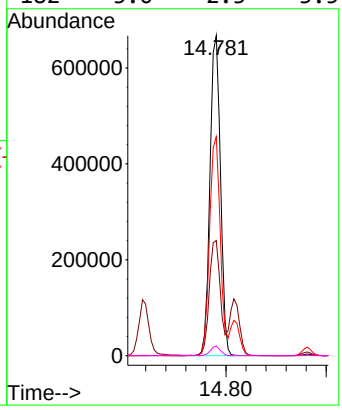


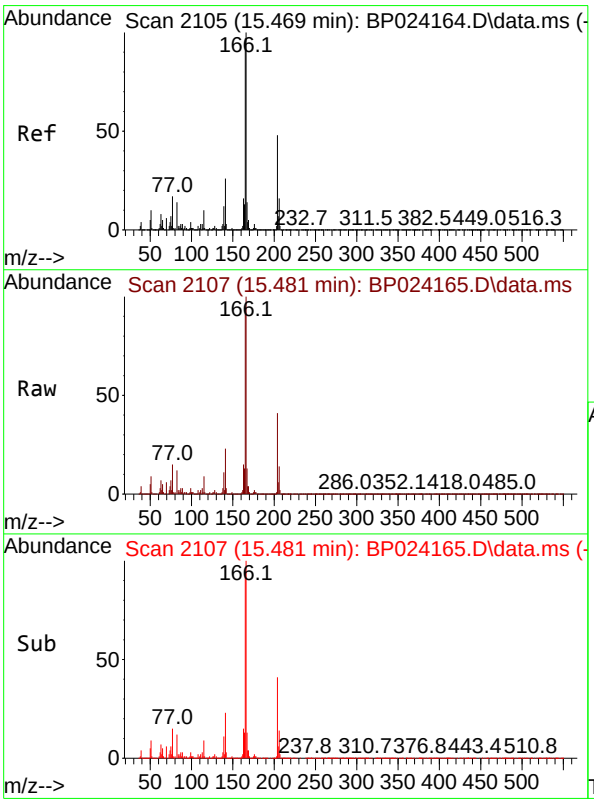

#57
2,4-Dinitrotoluene
Concen: 56.659 ng
RT: 14.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:165 Resp: 971087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 36.0 | 29.0 | 43.6 |
| 89 | 68.4 | 54.2 | 81.4 |
| 182 | 3.0 | 2.3 | 3.5 |

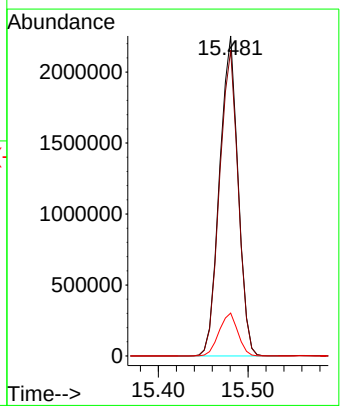


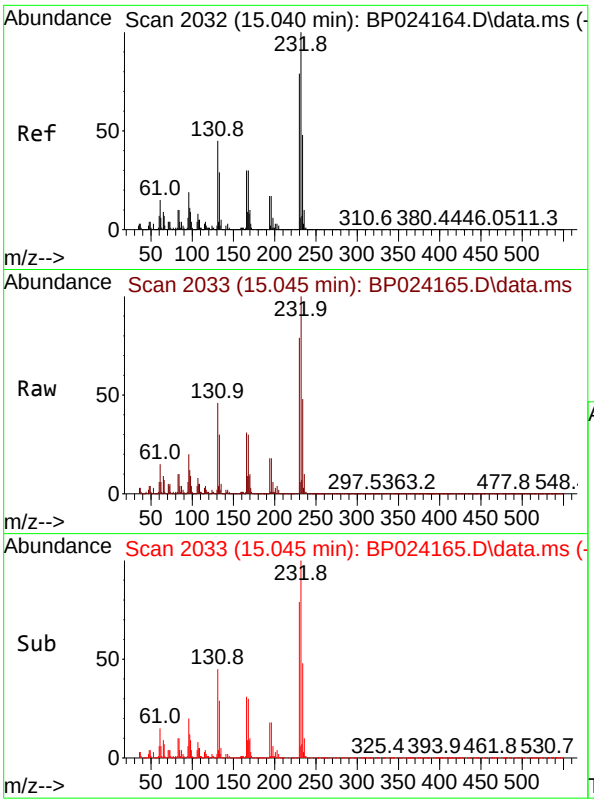




#58
Fluorene
Concen: 49.759 ng
RT: 15.481 min Scan# 2107
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:166 Resp: 3230571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 95.5 | 77.6 | 116.4 |
| 167 | 13.4 | 10.8 | 16.2 |



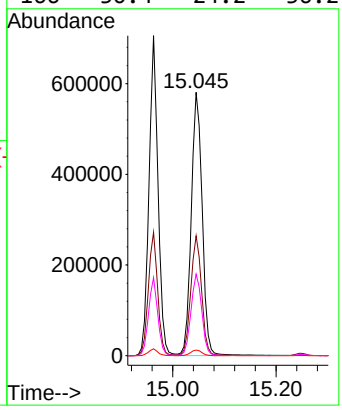


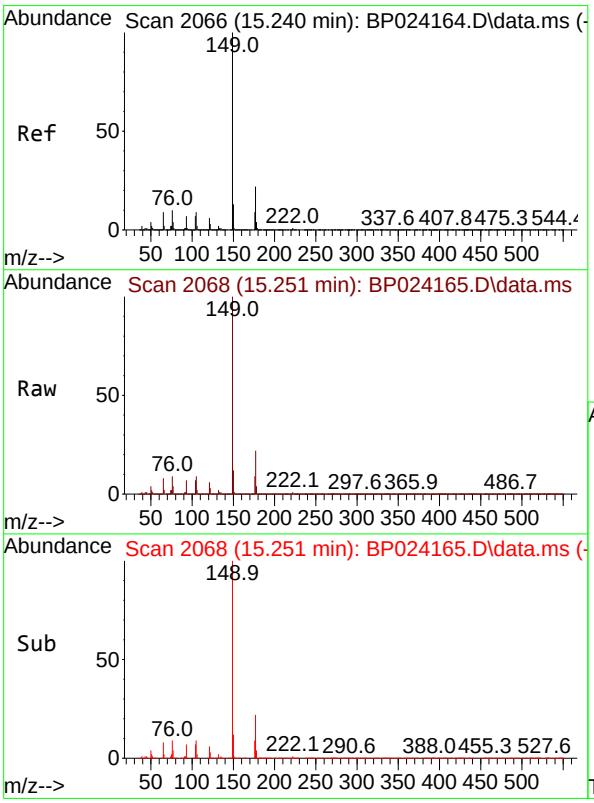

#59
2,3,4,6-Tetrachlorophenol
Concen: 52.152 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:232 Resp: 851401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 44.9 | 35.9 | 53.9 |
| 130 | 2.2 | 1.8 | 2.6 |
| 166 | 30.4 | 24.2 | 36.2 |

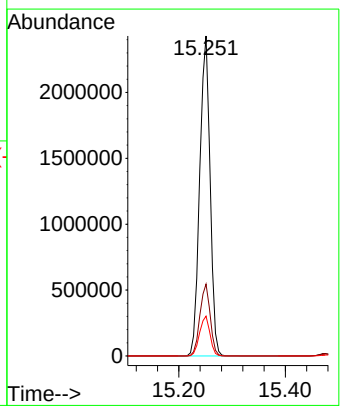


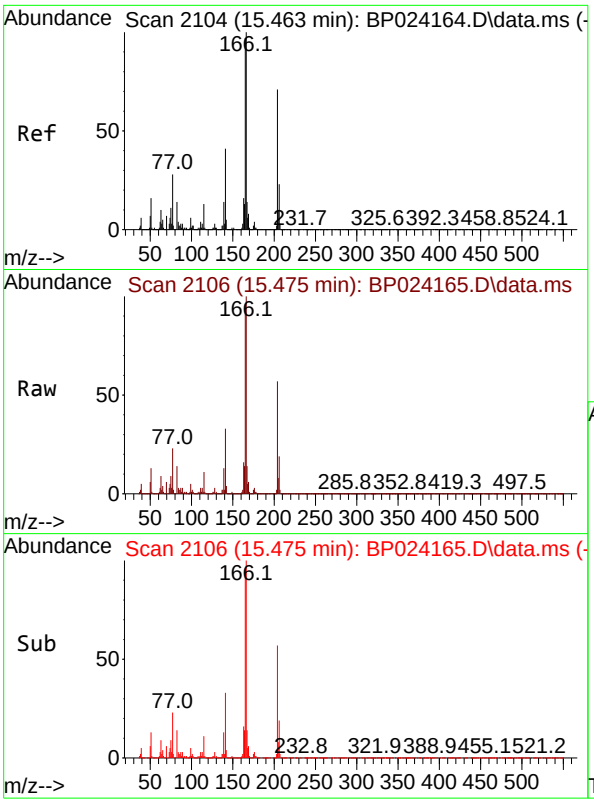




#60
Diethylphthalate
Concen: 50.786 ng
RT: 15.251 min Scan# 2068
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:149 Resp: 3265289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.5 | 17.7 | 26.5 |
| 150 | 12.5 | 10.2 | 15.4 |



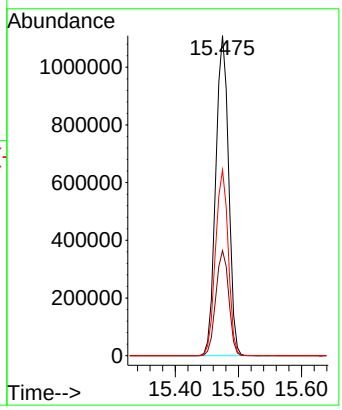


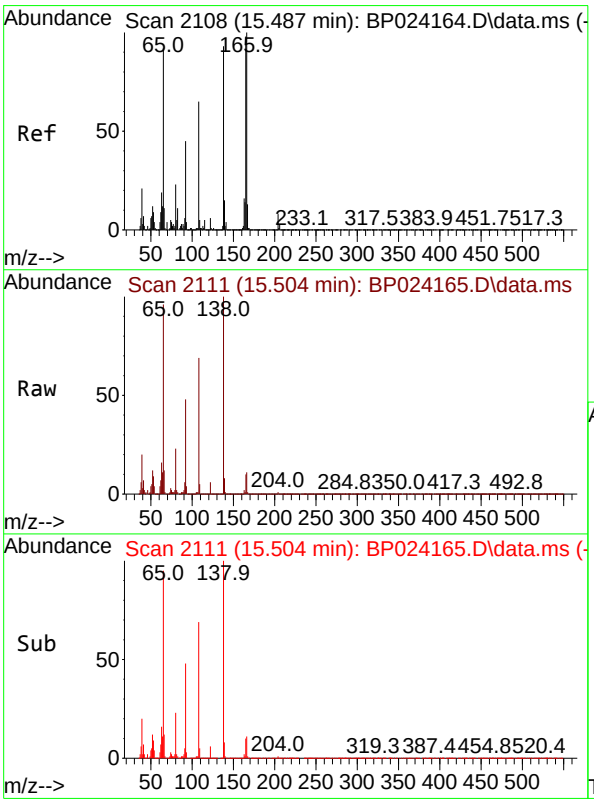

#61
4-Chlorophenyl-phenylether
Concen: 49.216 ng
RT: 15.475 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:204 Resp: 1572773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.9 | 26.4 | 39.6 |
| 141 | 58.0 | 45.8 | 68.8 |

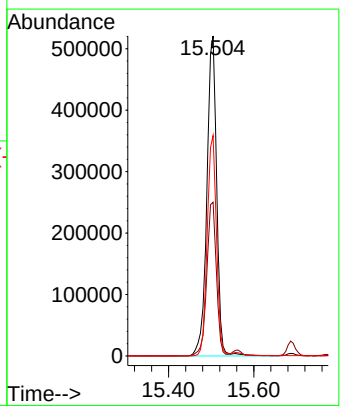


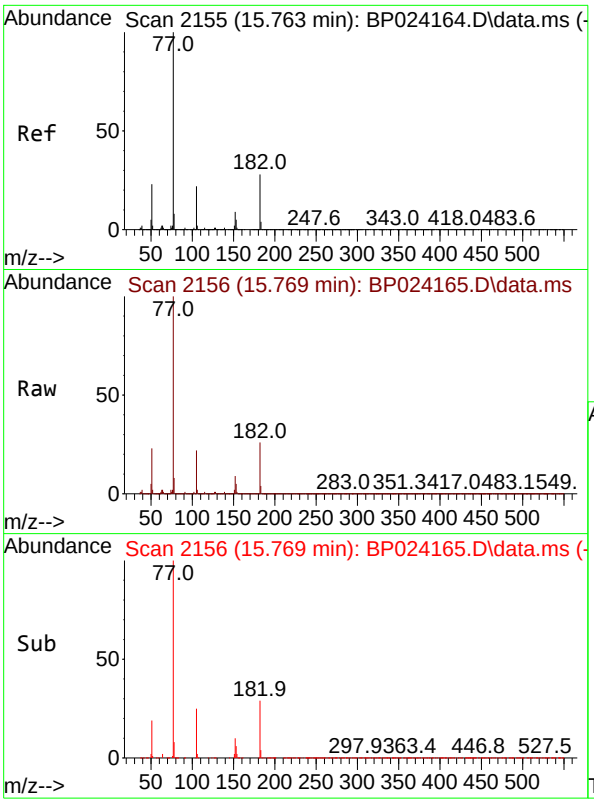




#62
4-Nitroaniline
Concen: 56.889 ng
RT: 15.504 min Scan# 2111
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:138 Resp: 831169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 48.1 | 28.7 | 68.7 |
| 108 | 68.9 | 49.5 | 89.5 |



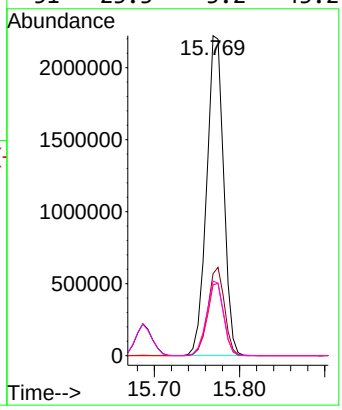


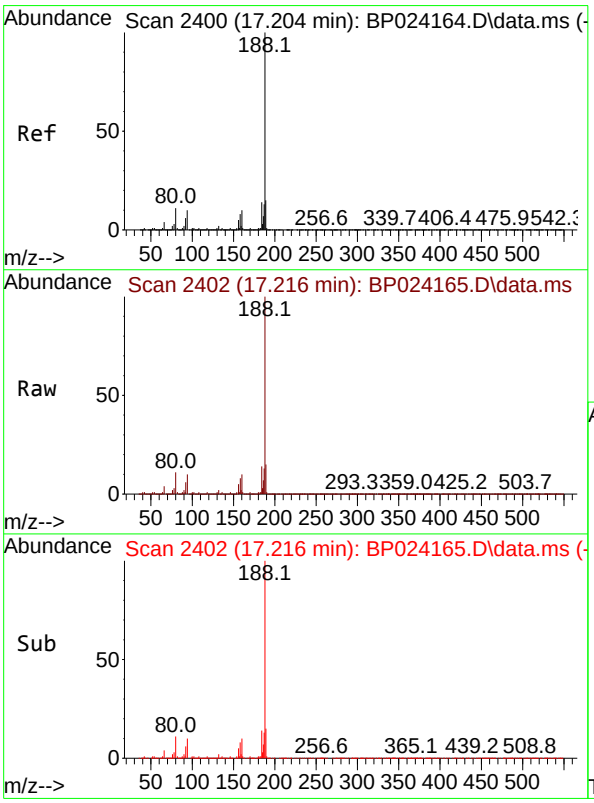

#63
Azobenzene
Concen: 51.085 ng
RT: 15.769 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 77 Resp: 3077821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.6 | 7.7 | 47.7 |
| 105 | 22.2 | 2.3 | 42.3 |
| 51 | 23.3 | 3.2 | 43.2 |

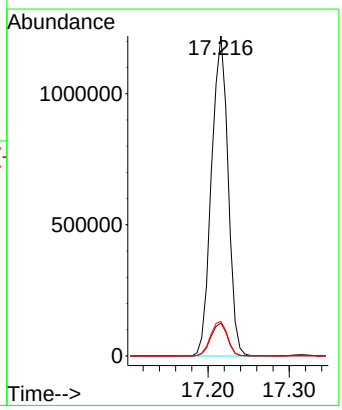


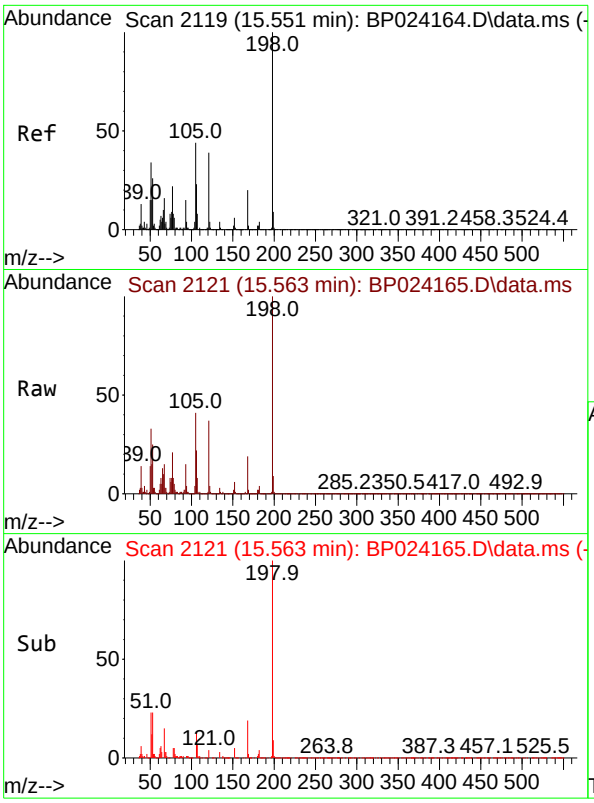




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2402
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:188 Resp: 1730200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.2 | 8.1 | 12.1 |
| 80 | 10.8 | 8.9 | 13.3 |



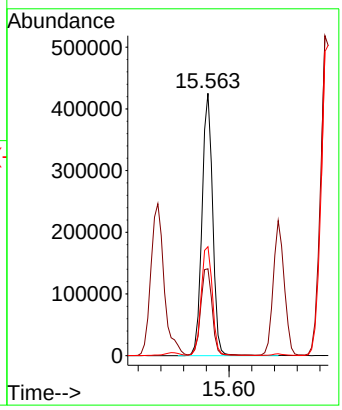


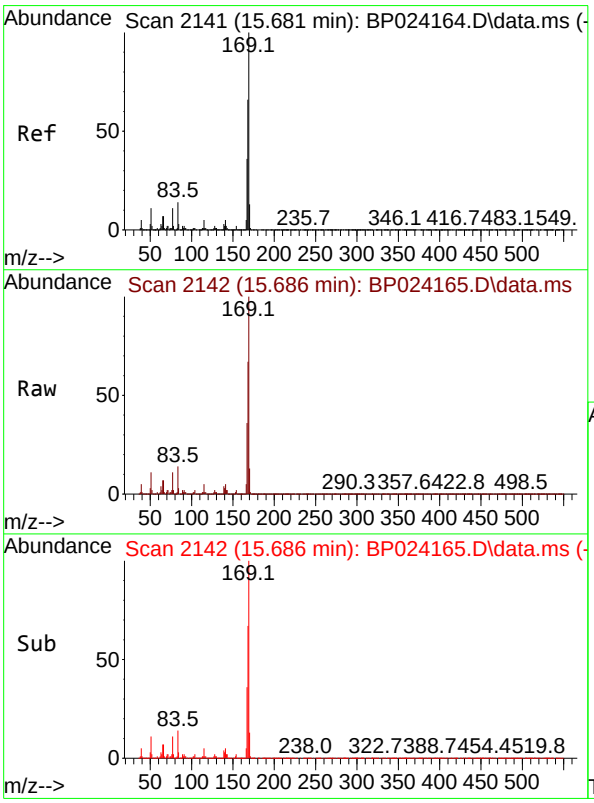

#65
4,6-Dinitro-2-methylphenol
Concen: 55.051 ng
RT: 15.563 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:198 Resp: 551280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 33.1 | 14.7 | 54.7 |
| 105 | 41.5 | 23.8 | 63.8 |

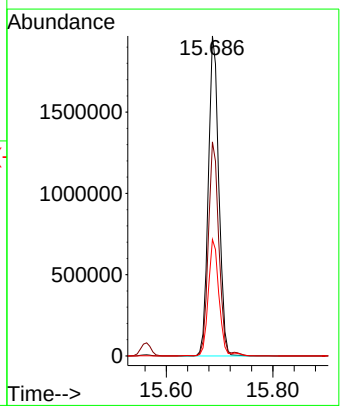


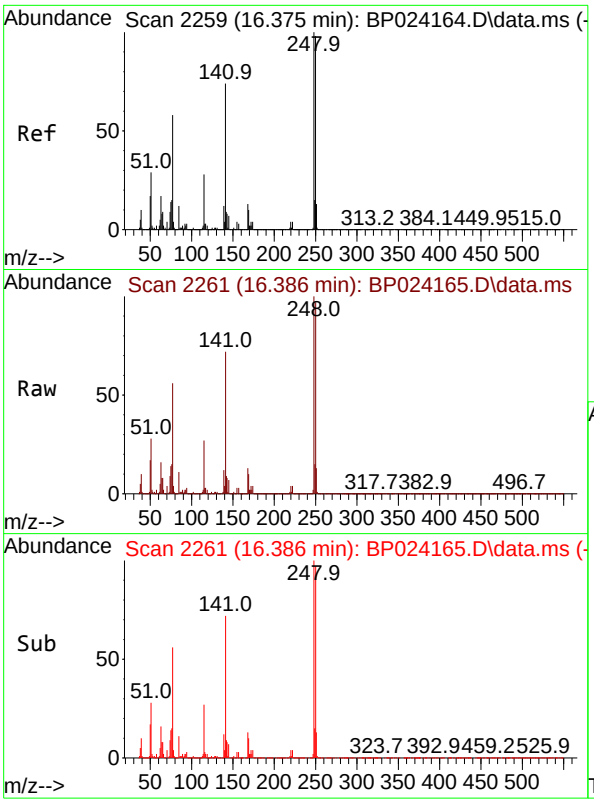




#66
n-Nitrosodiphenylamine
Concen: 49.497 ng
RT: 15.686 min Scan# 2142
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:169 Resp: 2670636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.9 | 52.9 | 79.3 |
| 167 | 36.4 | 28.8 | 43.2 |



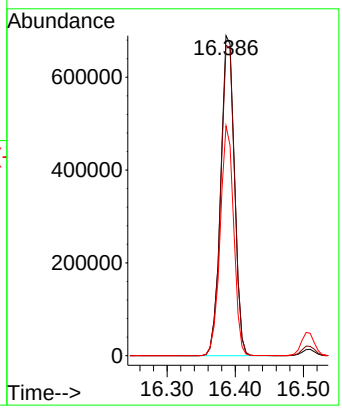


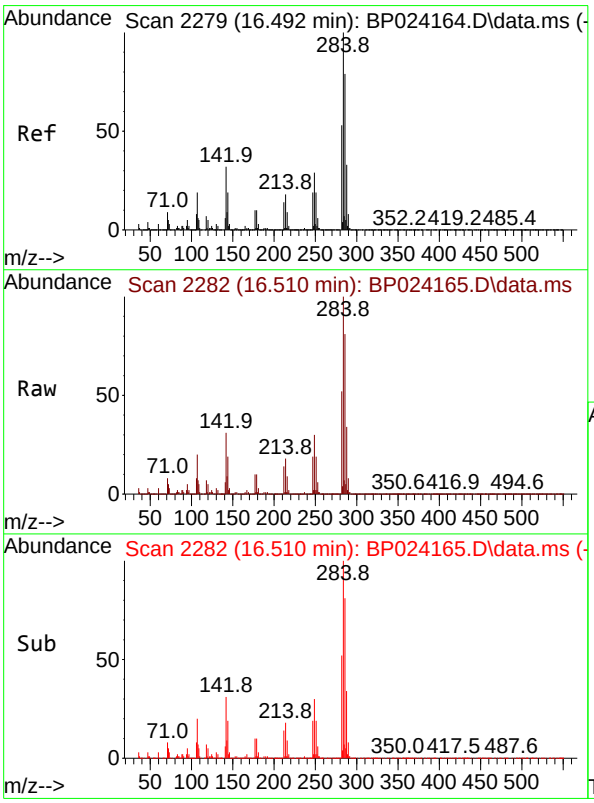

#67
4-Bromophenyl-phenylether
Concen: 49.858 ng
RT: 16.386 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:248 Resp: 968698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.0 | 78.4 | 117.6 |
| 141 | 71.8 | 59.4 | 89.0 |

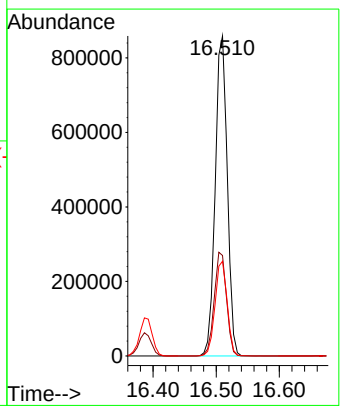


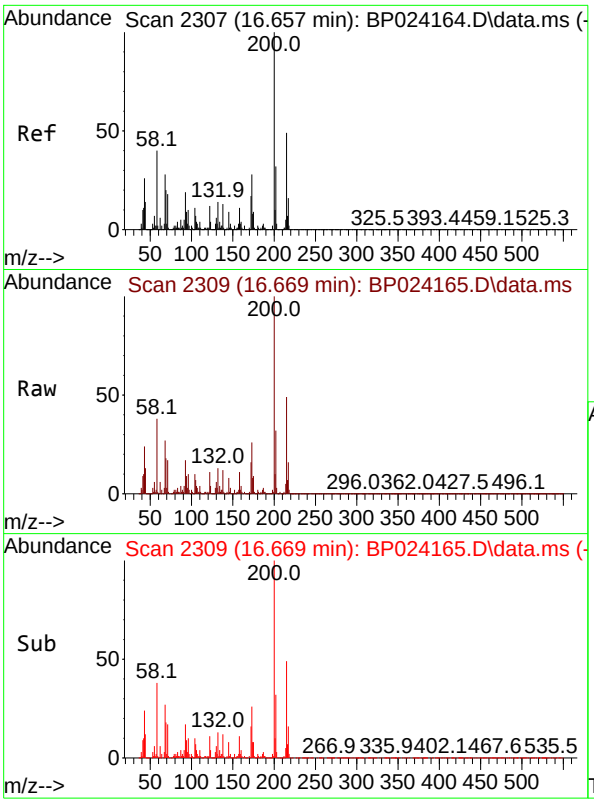




#68
Hexachlorobenzene
Concen: 49.709 ng
RT: 16.510 min Scan# 2282
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:284 Resp: 1136445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.4 | 25.4 | 38.2 |
| 249 | 29.6 | 23.5 | 35.3 |



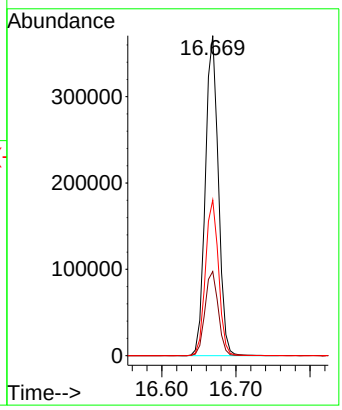


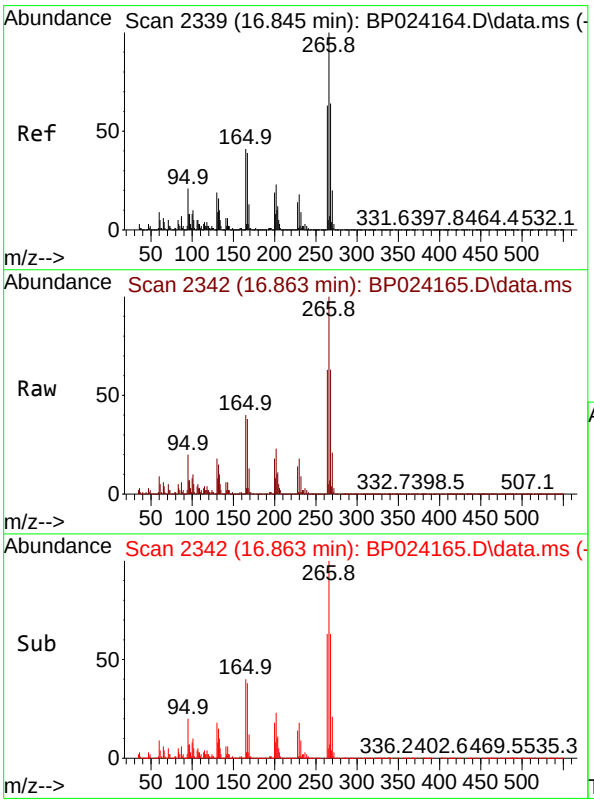

#69
Atrazine
Concen: 32.672 ng
RT: 16.669 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:200 Resp: 452391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.3 | 7.6 | 47.6 |
| 215 | 48.6 | 29.0 | 69.0 |

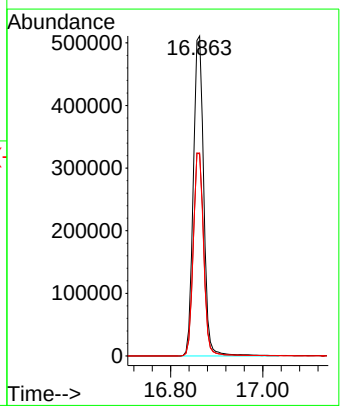


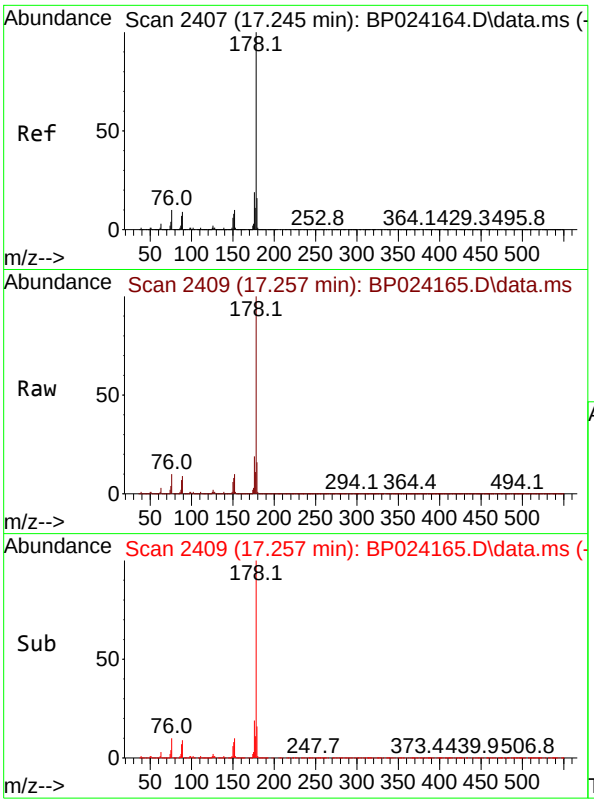




#70
Pentachlorophenol
Concen: 53.644 ng
RT: 16.863 min Scan# 2342
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:266 Resp: 796545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.1 | 51.3 | 76.9 |
| 264 | 63.4 | 50.6 | 76.0 |



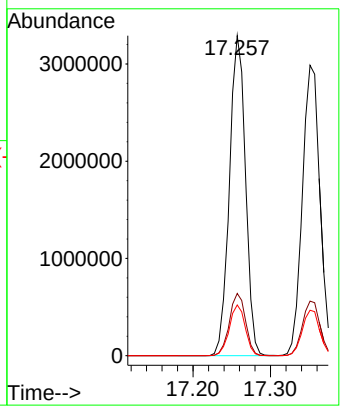


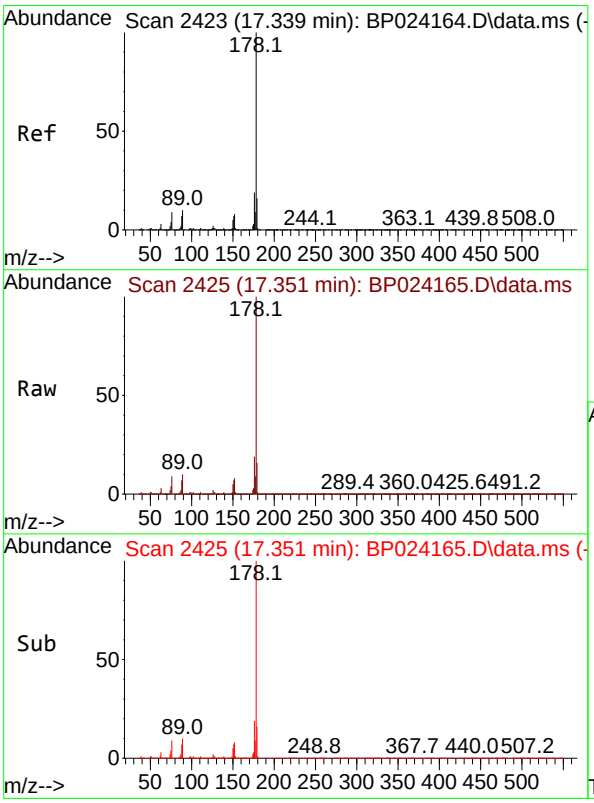

#71
Phenanthrene
Concen: 48.797 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:178 Resp: 4759945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 15.6 | 23.4 |
| 179 | 15.8 | 12.5 | 18.7 |

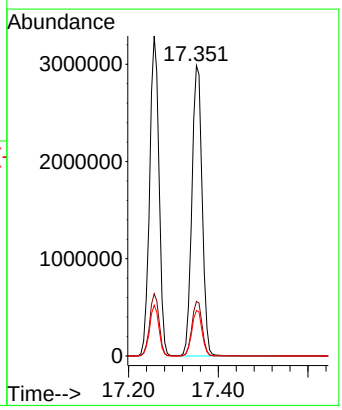


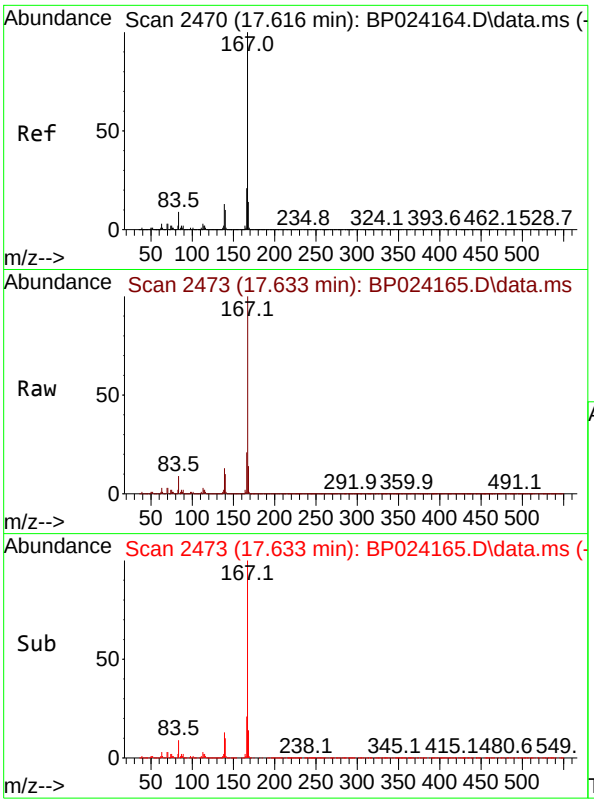




#72
Anthracene
Concen: 50.526 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:178 Resp: 4723119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.2 | 22.8 |
| 179 | 15.6 | 12.6 | 18.8 |



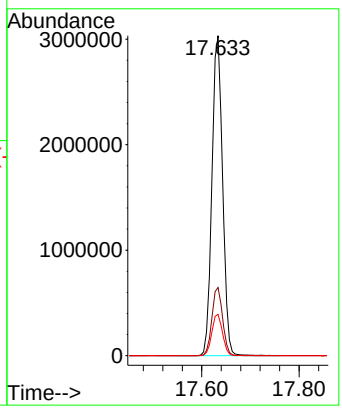


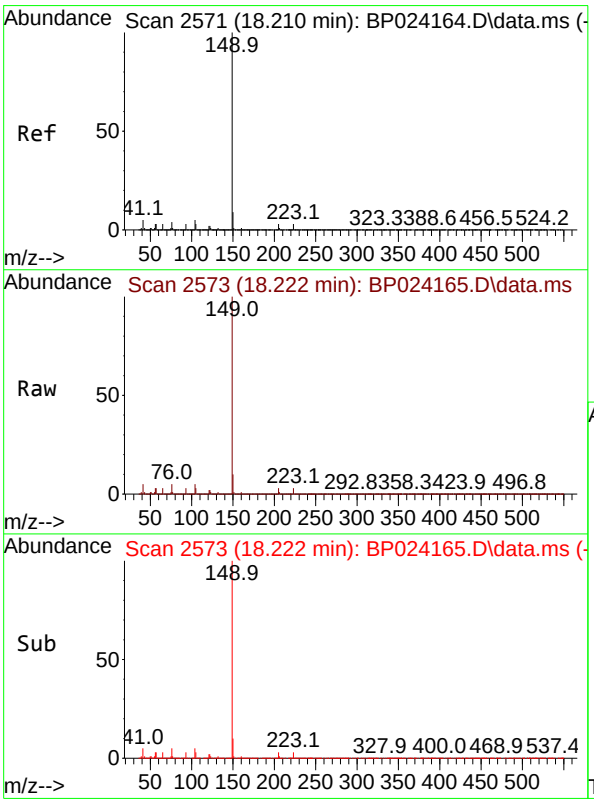

#73
Carbazole
Concen: 51.485 ng
RT: 17.633 min Scan# 24
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:167 Resp: 4585466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.3 | 17.1 | 25.7 |
| 139 | 12.9 | 10.2 | 15.4 |

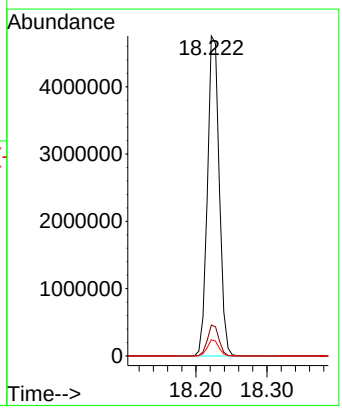


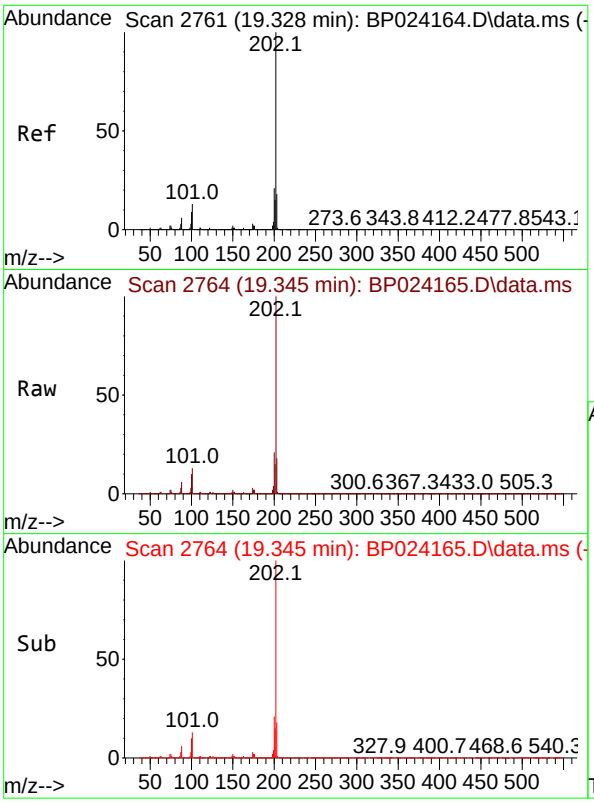




#74
Di-n-butylphthalate
Concen: 52.951 ng
RT: 18.222 min Scan# 2573
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:149 Resp: 5502824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.7 | 7.6 | 11.4 |
| 104 | 5.0 | 3.9 | 5.9 |



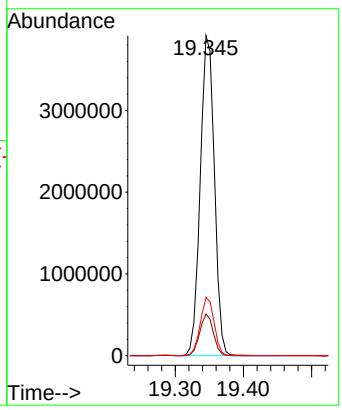


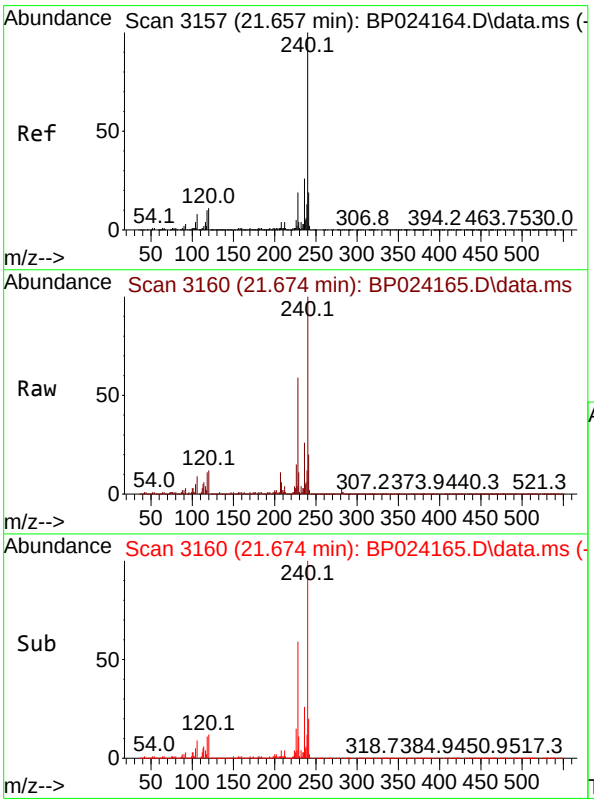

#75
Fluoranthene
Concen: 51.163 ng
RT: 19.345 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:202 Resp: 5644914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.0 | 0.0 | 32.5 |
| 203 | 18.2 | 0.0 | 37.9 |

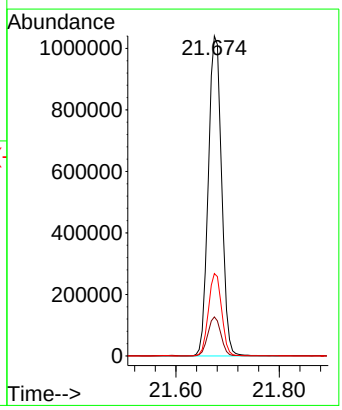


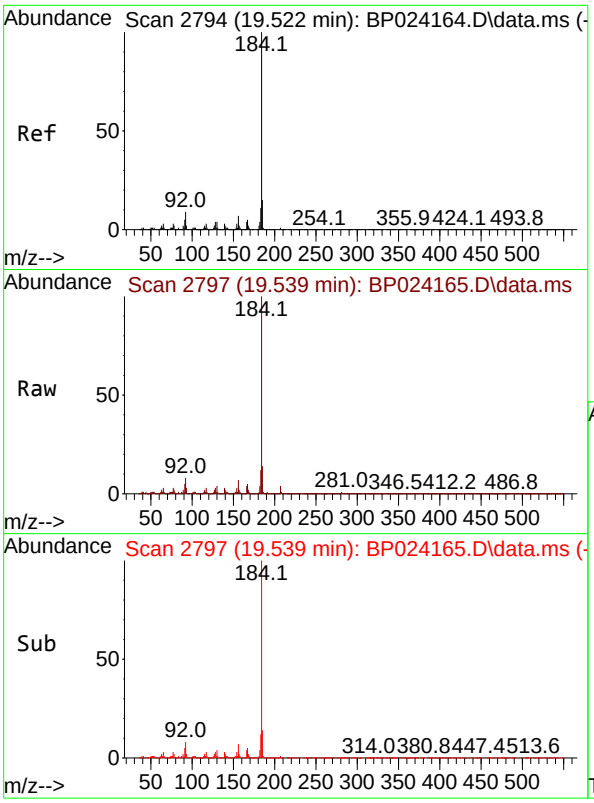




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.674 min Scan# 3160
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:240 Resp: 1856010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.2 | 9.2 | 13.8 |
| 236 | 25.7 | 20.4 | 30.6 |



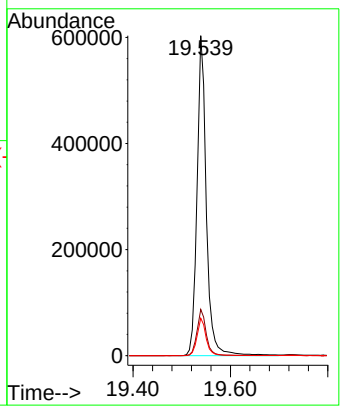


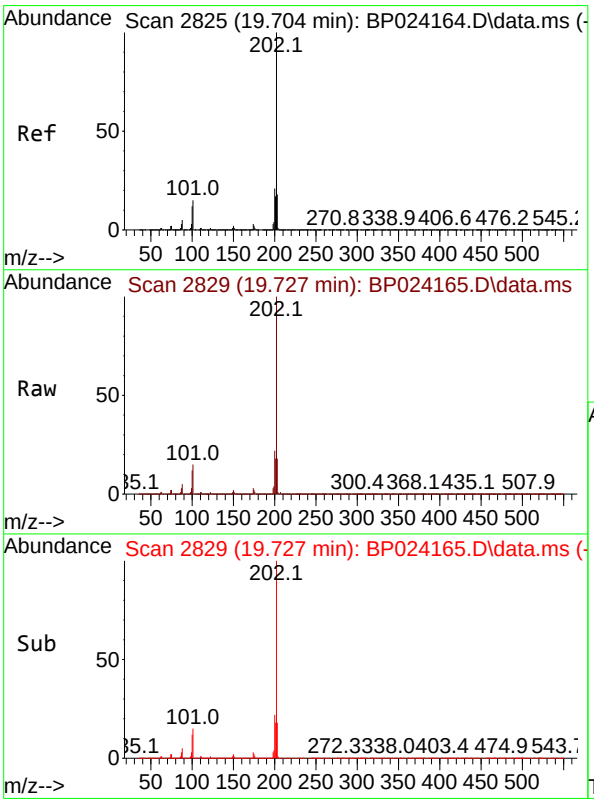

#77
Benzidine
Concen: 35.585 ng
RT: 19.539 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:184 Resp: 804810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.5 | 11.8 | 17.6 |
| 183 | 11.7 | 9.1 | 13.7 |

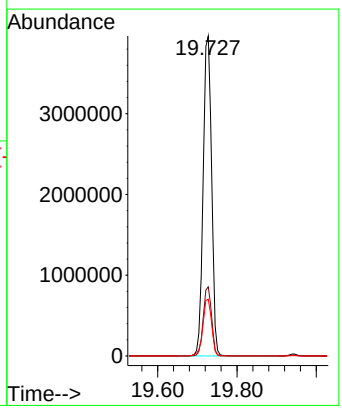


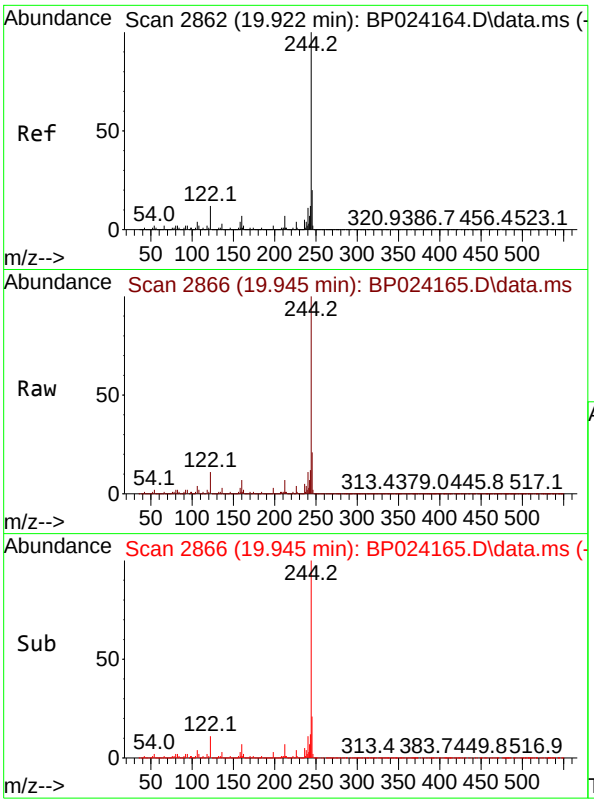




#78
Pyrene
Concen: 49.843 ng
RT: 19.727 min Scan# 2829
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:202 Resp: 5876091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.6 | 17.1 | 25.7 |
| 203 | 17.7 | 14.2 | 21.4 |



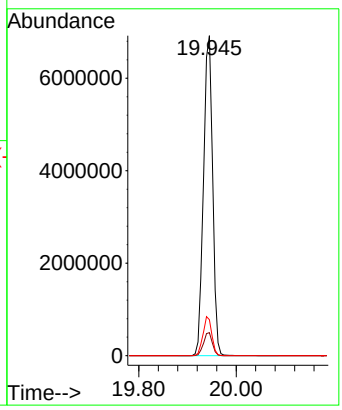


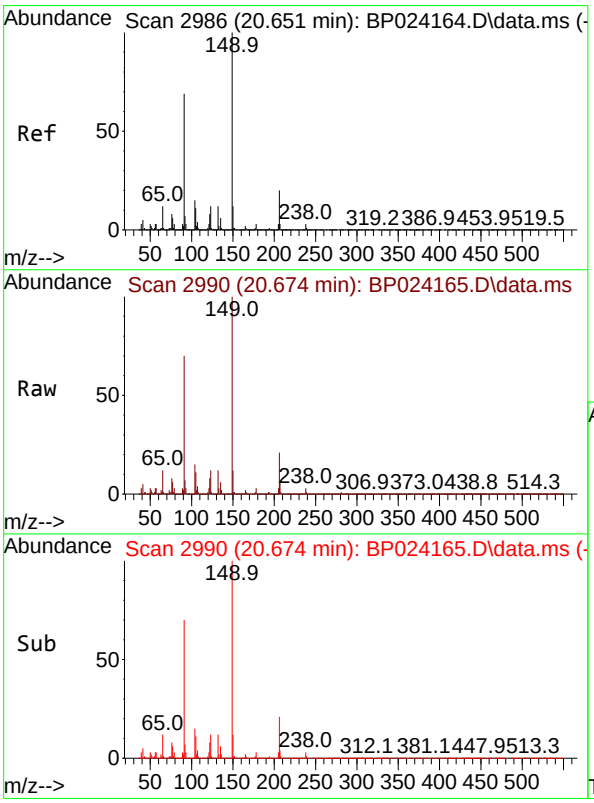

#79
Terphenyl-d14
Concen: 95.606 ng
RT: 19.945 min Scan# 2
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:244 Resp: 8967575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 5.7 | 8.5 |
| 122 | 11.3 | 9.6 | 14.4 |

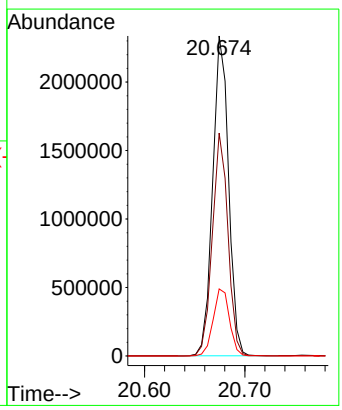


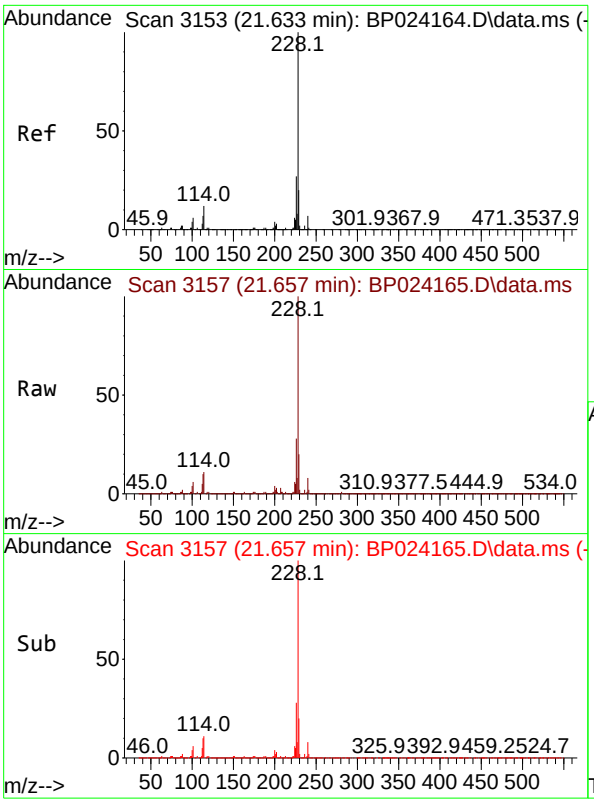




#80
Butylbenzylphthalate
Concen: 56.920 ng
RT: 20.674 min Scan# 2990
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:149 Resp: 2571381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 69.7 | 55.3 | 82.9 |
| 206 | 20.9 | 16.1 | 24.1 |



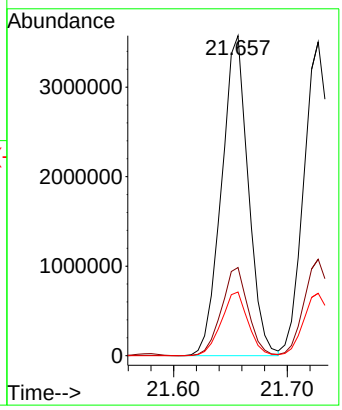


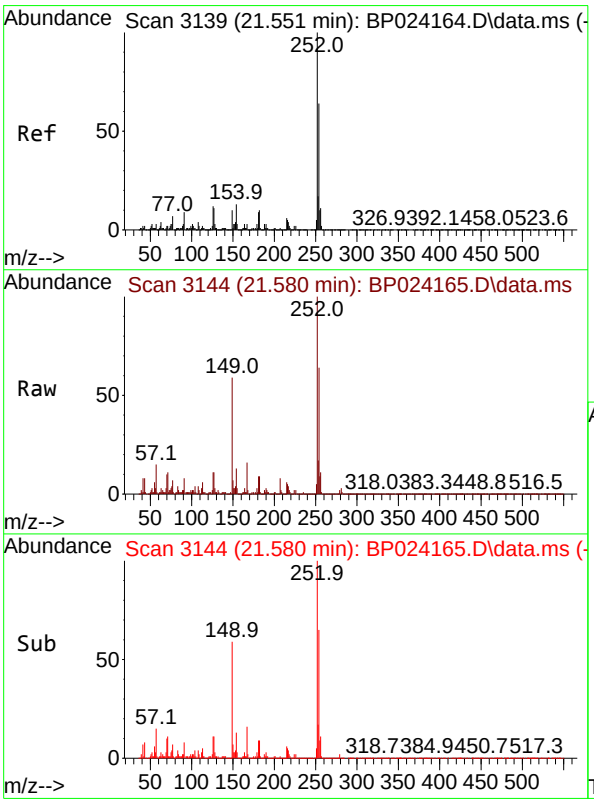

#81
Benzo(a)anthracene
Concen: 50.277 ng
RT: 21.657 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:228 Resp: 5851357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.6 | 21.8 | 32.8 |
| 229 | 19.9 | 16.0 | 24.0 |

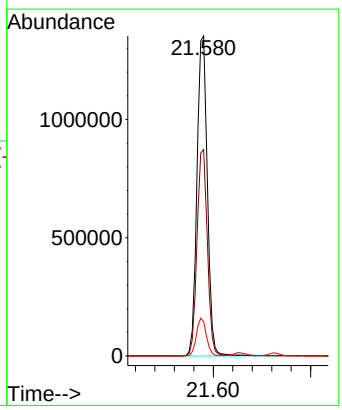


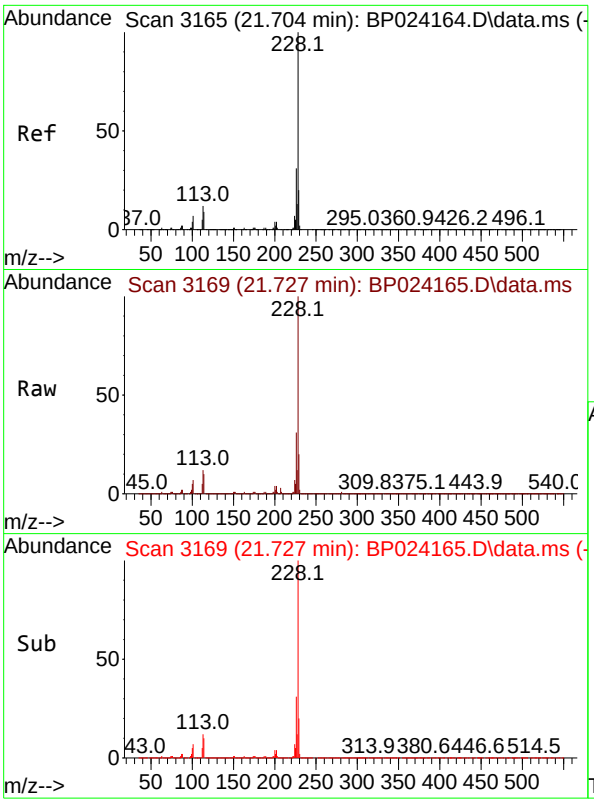




#82
3,3'-Dichlorobenzidine
Concen: 55.414 ng
RT: 21.580 min Scan# 3144
Delta R.T. 0.029 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:252 Resp: 2015249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.5 | 51.4 | 77.2 |
| 126 | 10.8 | 9.3 | 13.9 |



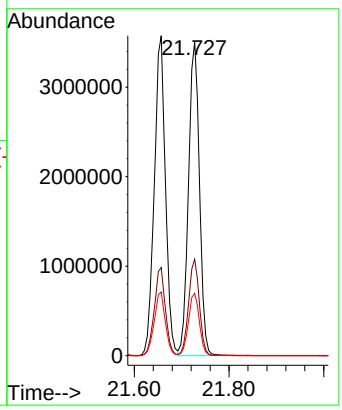


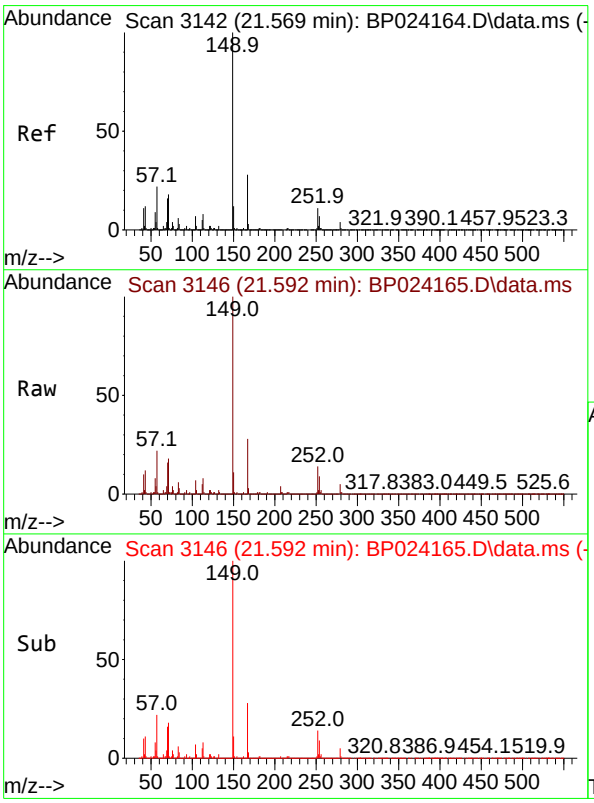

#83
Chrysene
Concen: 50.126 ng
RT: 21.727 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:228 Resp: 5625314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.7 | 24.5 | 36.7 |
| 229 | 19.9 | 16.2 | 24.2 |

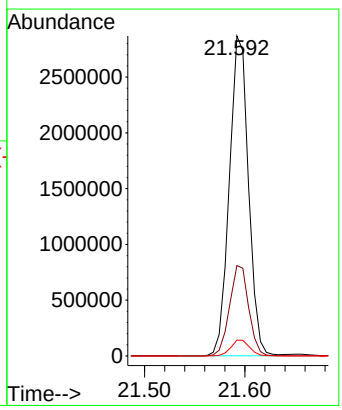


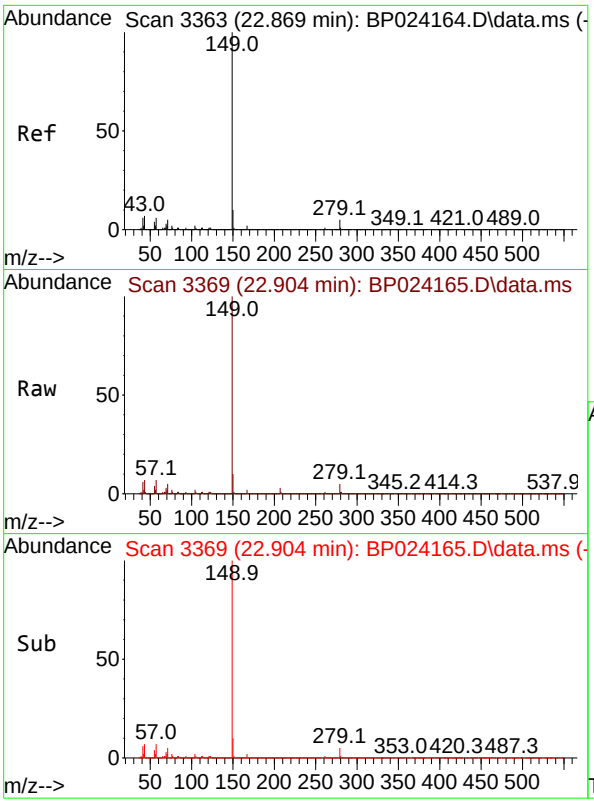




#84
Bis(2-ethylhexyl)phthalate
Concen: 55.499 ng
RT: 21.592 min Scan# 3146
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:149 Resp: 3802016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.2 | 22.5 | 33.7 |
| 279 | 4.9 | 3.6 | 5.4 |



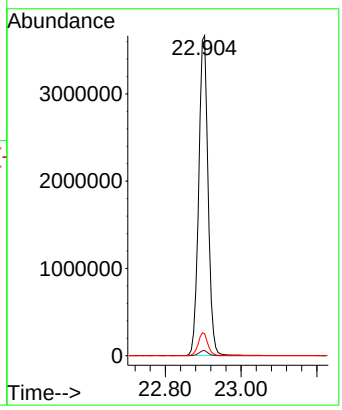


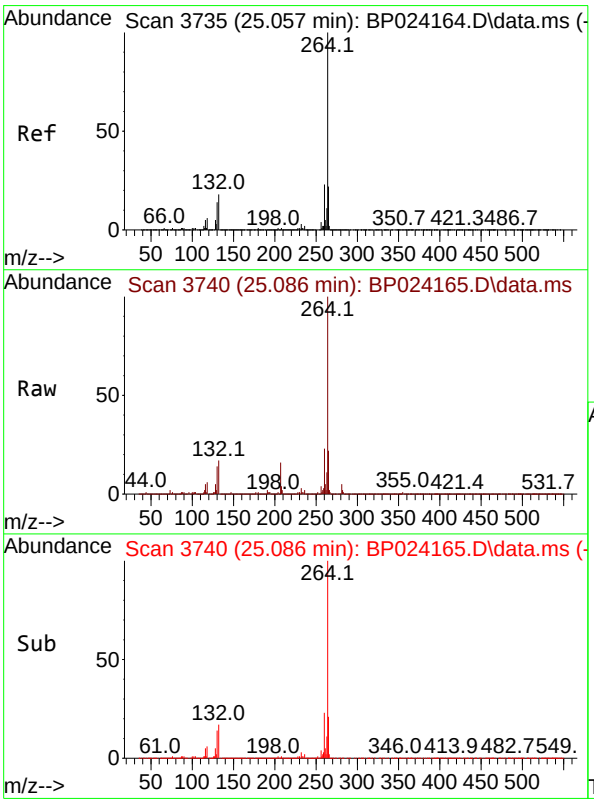

#85
Di-n-octyl phthalate
Concen: 57.516 ng
RT: 22.904 min Scan# 3
Delta R.T. 0.035 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:149 Resp: 6298049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 7.3 | 5.8 | 8.8 |

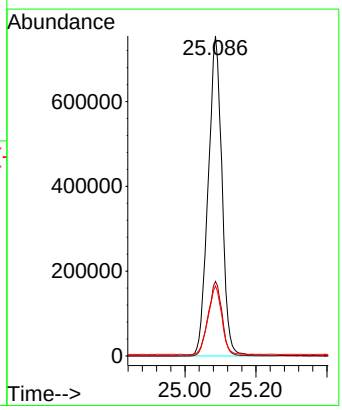


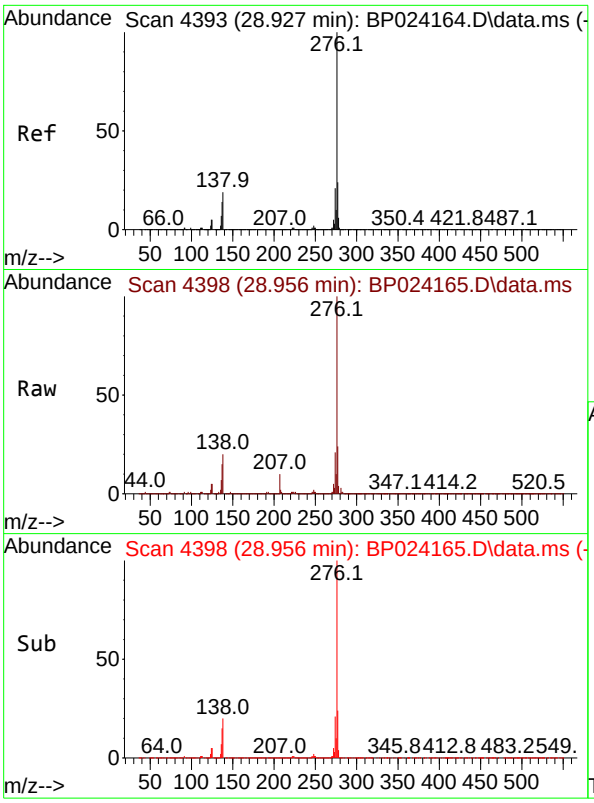




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.086 min Scan# 3740
Delta R.T. 0.029 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:264 Resp: 2039908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 18.5 | 27.7 |
| 265 | 21.9 | 17.7 | 26.5 |



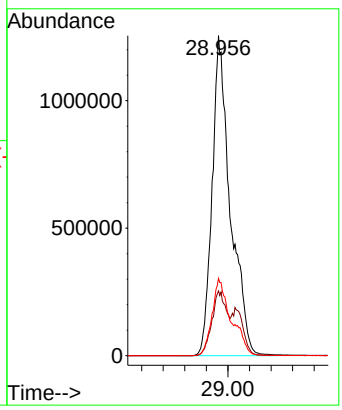


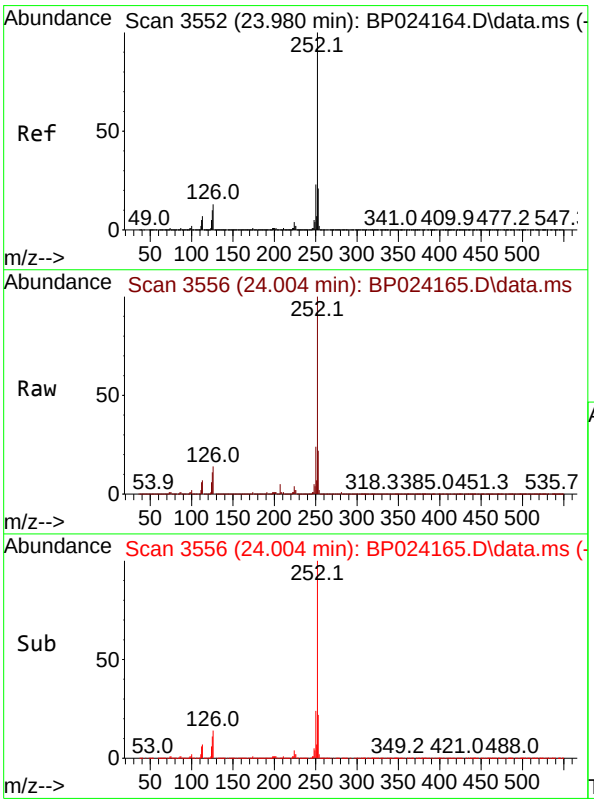

#87
Indeno(1,2,3-cd)pyrene
Concen: 50.680 ng
RT: 28.956 min Scan# 4
Delta R.T. 0.029 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:276 Resp: 7354717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.5 | 13.7 | 20.5 |
| 277 | 25.2 | 20.2 | 30.2 |

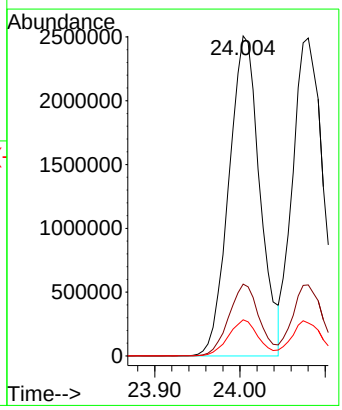


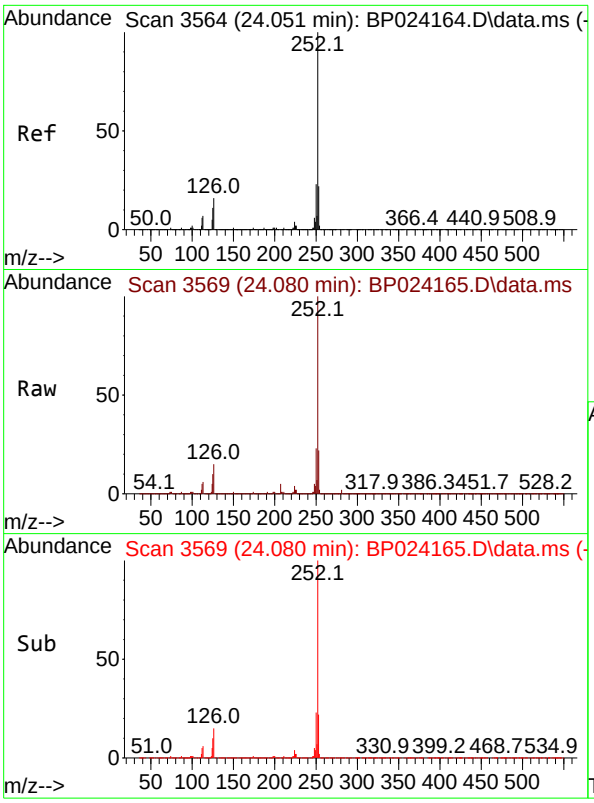




#88
Benzo(b)fluoranthene
Concen: 48.959 ng
RT: 24.004 min Scan# 3556
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:252 Resp: 6342083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 17.2 | 25.8 |
| 125 | 11.3 | 8.2 | 12.4 |



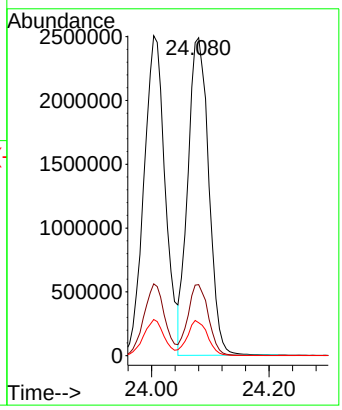


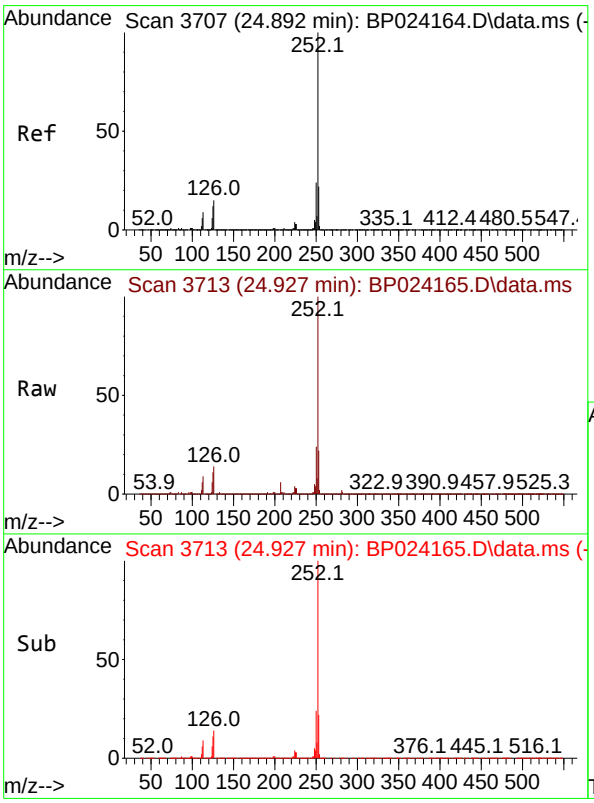

#89
Benzo(k)fluoranthene
Concen: 48.672 ng
RT: 24.080 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:252 Resp: 6136938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.7 | 26.5 |
| 125 | 10.4 | 9.1 | 13.7 |

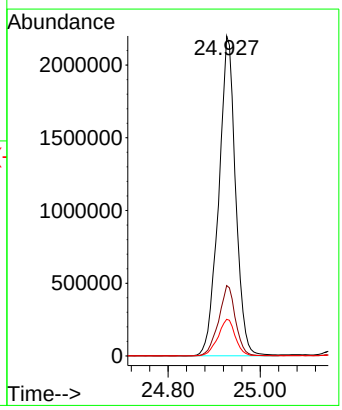


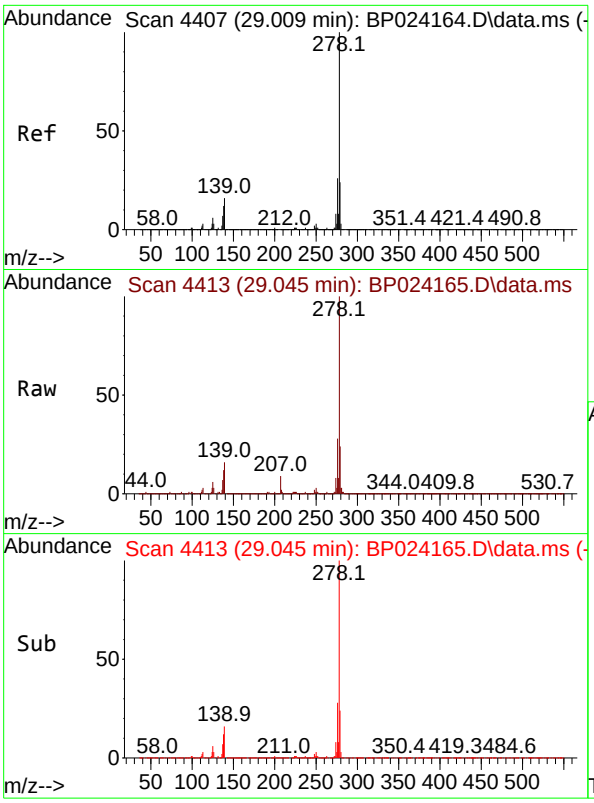




#90
Benzo(a)pyrene
Concen: 50.770 ng
RT: 24.927 min Scan# 3713
Delta R.T. 0.035 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:252 Resp: 5581393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.4 | 26.0 |
| 125 | 11.4 | 9.6 | 14.4 |



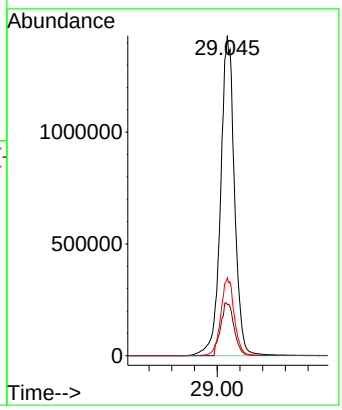


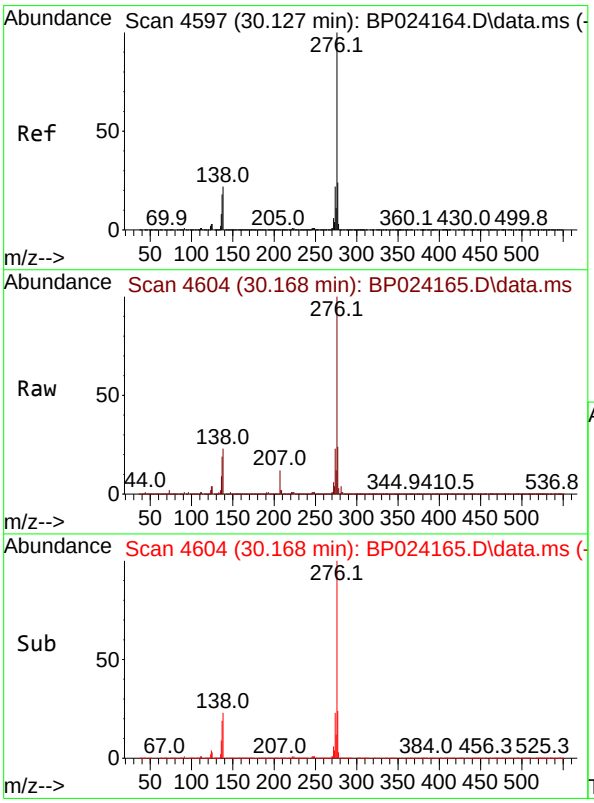

#91
Dibenzo(a,h)anthracene
Concen: 49.766 ng
RT: 29.045 min Scan# 4
Delta R.T. 0.035 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:278 Resp: 6072440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.0 | 13.0 | 19.4 |
| 279 | 24.4 | 18.8 | 28.2 |

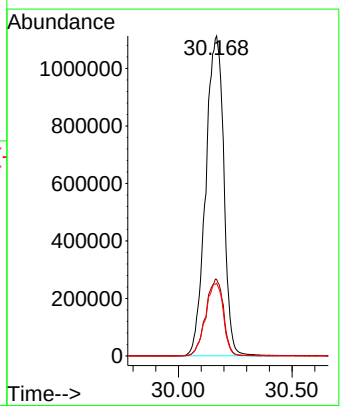



#92
Benzo(g,h,i)perylene
Concen: 49.509 ng
RT: 30.168 min Scan# 4604
Delta R.T. 0.041 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:276 Resp: 6130219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.9 | 19.2 | 28.8 |
| 138 | 22.7 | 17.4 | 26.2 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024166.D
Acq On : 12 Mar 2025 20:21
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Quant Time: Mar 13 04:09:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.769 | 152 | 394376 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.552 | 136 | 1591612 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.404 | 164 | 936110 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.210 | 188 | 1759587 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.669 | 240 | 1817869 | 20.000 | ng | 0.01 |
| 86) Perylene-d12 | 25.074 | 264 | 2003229 | 20.000 | ng | 0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.381 | 112 | 3091896 | 122.332 | ng | 0.00 |
| 7) Phenol-d6 | 6.958 | 99 | 4151063 | 127.785 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.922 | 82 | 3516139 | 123.247 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.922 | 330 | 1542341 | 134.511 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.016 | 172 | 7675412 | 114.626 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.933 | 244 | 10595349 | 115.330 | ng | 0.01 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.322 | 88 | 588784 | 59.385 | ng | 100 |
| 3) Pyridine | 3.717 | 79 | 1653707m | 64.153 | ng | |
| 4) n-Nitrosodimethylamine | 3.622 | 42 | 551093 | 60.270 | ng | 99 |
| 6) Aniline | 7.111 | 93 | 1788370 | 60.115 | ng | 99 |
| 8) 2-Chlorophenol | 7.346 | 128 | 1656453 | 61.919 | ng | 99 |
| 9) Benzaldehyde | 6.922 | 77 | 830475 | 55.995 | ng | 99 |
| 10) Phenol | 6.981 | 94 | 2072585 | 63.448 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 7.199 | 93 | 1606110 | 62.425 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.663 | 146 | 1740829 | 59.234 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 7.805 | 146 | 1778400 | 59.836 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 8.122 | 146 | 1703894 | 59.737 | ng | 100 |
| 15) Benzyl Alcohol | 8.010 | 79 | 1332675 | 67.021 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.293 | 45 | 1610981 | 64.502 | ng | 99 |
| 17) 2-Methylphenol | 8.210 | 107 | 1316438 | 66.132 | ng | 99 |
| 18) Hexachloroethane | 8.846 | 117 | 636840 | 59.498 | ng | 96 |
| 19) n-Nitroso-di-n-propyla... | 8.575 | 70 | 1191669 | 68.227 | ng | 99 |
| 20) 3+4-Methylphenols | 8.540 | 107 | 1809984 | 66.838 | ng | 100 |
| 22) Acetophenone | 8.587 | 105 | 2478568 | 60.600 | ng | 99 |
| 24) Nitrobenzene | 8.963 | 77 | 1731589 | 61.673 | ng | 99 |
| 25) Isophorone | 9.487 | 82 | 3063158 | 65.658 | ng | 100 |
| 26) 2-Nitrophenol | 9.669 | 139 | 904714 | 69.941 | ng | 97 |
| 27) 2,4-Dimethylphenol | 9.734 | 122 | 1095778 | 64.534 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 9.963 | 93 | 2086687 | 61.742 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.204 | 162 | 1497152 | 64.609 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.416 | 180 | 1578453 | 59.453 | ng | 100 |
| 31) Naphthalene | 10.604 | 128 | 5145859 | 60.129 | ng | 100 |
| 32) Benzoic acid | 9.904 | 122 | 1203679 | 77.325 | ng | 98 |
| 33) 4-Chloroaniline | 10.710 | 127 | 1859148 | 61.665 | ng | 99 |
| 34) Hexachlorobutadiene | 10.887 | 225 | 918034 | 59.699 | ng | 98 |
| 35) Caprolactam | 11.510 | 113 | 496683 | 70.784 | ng | 99 |
| 36) 4-Chloro-3-methylphenol | 11.846 | 107 | 1582952 | 66.451 | ng | 98 |
| 37) 2-Methylnaphthalene | 12.216 | 142 | 3504891 | 61.618 | ng | 100 |
| 38) 1-Methylnaphthalene | 12.434 | 142 | 3364504 | 60.802 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.587 | 216 | 1707961 | 59.382 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 12.563 | 237 | 656781 | 61.365 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 12.828 | 196 | 1148545 | 65.478 | ng | 100 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024166.D
Acq On : 12 Mar 2025 20:21
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Quant Time: Mar 13 04:09:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

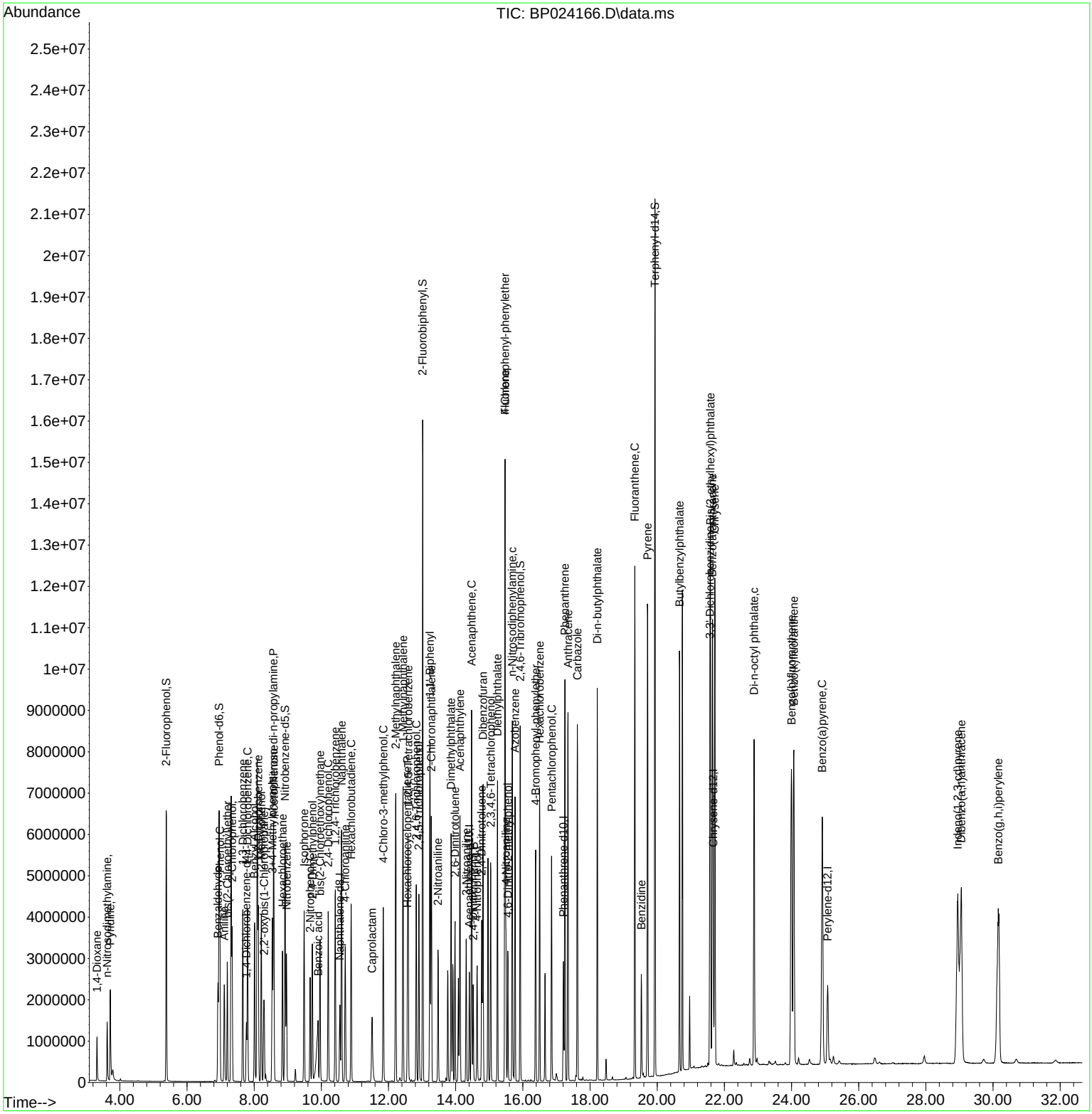
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.904 | 196 | 1233147 | 64.282 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.234 | 154 | 4312903 | 59.291 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.275 | 162 | 3269176 | 59.452 | ng | 100 |
| 48) 2-Nitroaniline | 13.475 | 65 | 890207 | 68.533 | ng | 99 |
| 49) Acenaphthylene | 14.128 | 152 | 5025011 | 62.024 | ng | 100 |
| 50) Dimethylphthalate | 13.863 | 163 | 3997694 | 60.542 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.981 | 165 | 887706 | 65.996 | ng | 96 |
| 52) Acenaphthene | 14.475 | 154 | 3153799 | 60.450 | ng | 99 |
| 53) 3-Nitroaniline | 14.316 | 138 | 963434 | 67.123 | ng | 99 |
| 54) 2,4-Dinitrophenol | 14.522 | 184 | 523590 | 73.093 | ng | 97 |
| 55) Dibenzofuran | 14.816 | 168 | 5051493 | 59.602 | ng | 100 |
| 56) 4-Nitrophenol | 14.640 | 139 | 831765 | 67.086 | ng | 99 |
| 57) 2,4-Dinitrotoluene | 14.775 | 165 | 1211692 | 69.346 | ng | 98 |
| 58) Fluorene | 15.469 | 166 | 3951671 | 59.702 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.045 | 232 | 1055860 | 63.439 | ng | 99 |
| 60) Diethylphthalate | 15.245 | 149 | 4030341 | 61.486 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.469 | 204 | 1934265 | 59.370 | ng | 100 |
| 62) 4-Nitroaniline | 15.498 | 138 | 1025149 | 68.824 | ng | 98 |
| 63) Azobenzene | 15.769 | 77 | 3829148 | 62.340 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.557 | 198 | 698260 | 68.563 | ng | 93 |
| 66) n-Nitrosodiphenylamine | 15.687 | 169 | 3334914 | 60.776 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.381 | 248 | 1211468 | 61.311 | ng | 97 |
| 68) Hexachlorobenzene | 16.498 | 284 | 1425714 | 61.320 | ng | 97 |
| 70) Pentachlorophenol | 16.857 | 266 | 1002726 | 66.402 | ng | 100 |
| 71) Phenanthrene | 17.251 | 178 | 5863198 | 59.103 | ng | 99 |
| 72) Anthracene | 17.345 | 178 | 5754537 | 60.532 | ng | 100 |
| 73) Carbazole | 17.622 | 167 | 5598533 | 61.810 | ng | 99 |
| 74) Di-n-butylphthalate | 18.216 | 149 | 6844468 | 64.761 | ng | 100 |
| 75) Fluoranthene | 19.333 | 202 | 6849338 | 61.042 | ng | 99 |
| 77) Benzidine | 19.528 | 184 | 1518742 | 68.561 | ng | 100 |
| 78) Pyrene | 19.710 | 202 | 7049649 | 61.052 | ng | 99 |
| 80) Butylbenzylphthalate | 20.663 | 149 | 3170269 | 71.649 | ng | 99 |
| 81) Benzo(a)anthracene | 21.645 | 228 | 7010330 | 61.500 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.569 | 252 | 2547922 | 71.531 | ng | 99 |
| 83) Chrysene | 21.716 | 228 | 6653811 | 60.535 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.586 | 149 | 4788368 | 71.363 | ng | 98 |
| 85) Di-n-octyl phthalate | 22.886 | 149 | 7825427 | 72.964 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.951 | 276 | 8887645m | 62.364 | ng | |
| 88) Benzo(b)fluoranthene | 23.998 | 252 | 7606878 | 59.798 | ng | 99 |
| 89) Benzo(k)fluoranthene | 24.068 | 252 | 7515459 | 60.696 | ng | 99 |
| 90) Benzo(a)pyrene | 24.915 | 252 | 6723161 | 62.275 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 29.056 | 278 | 7370514 | 61.510 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 30.156 | 276 | 7489359 | 61.593 | ng | 99 |

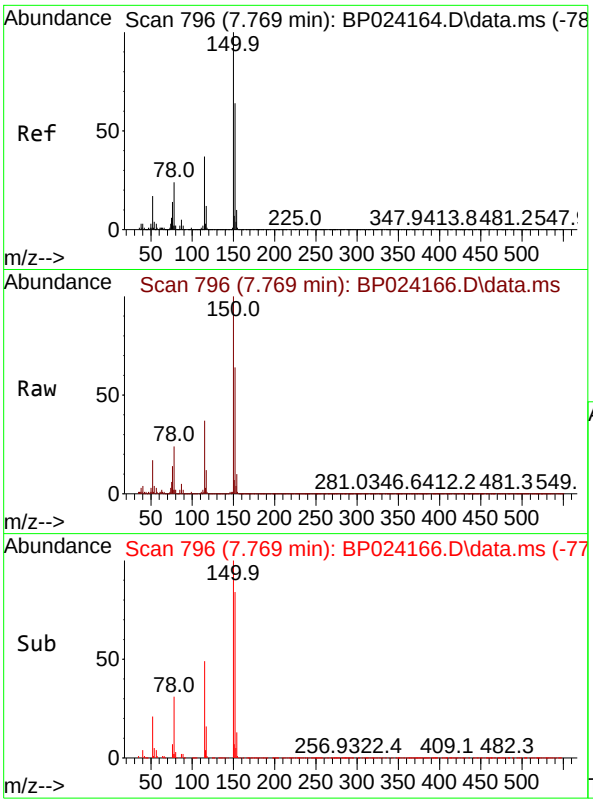
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Data File : BP024166.D
Acq On : 12 Mar 2025 20:21
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Quant Time: Mar 13 04:09:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration



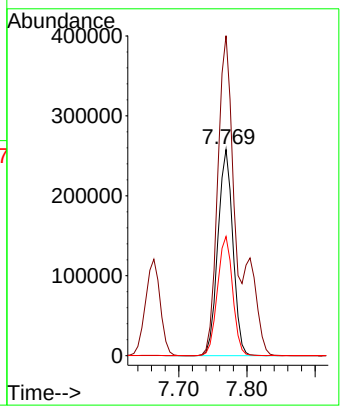


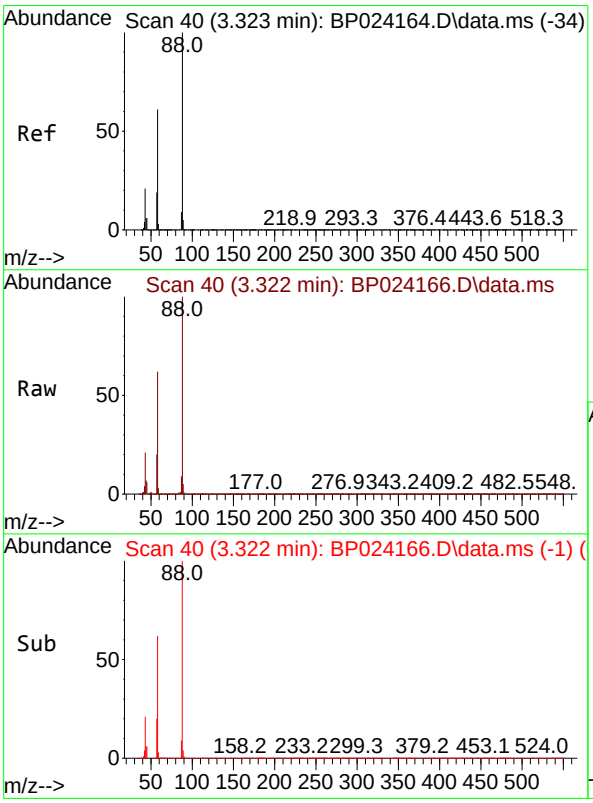

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:152 Resp: 394376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.1 | 125.5 | 188.3 |
| 115 | 57.8 | 46.3 | 69.5 |

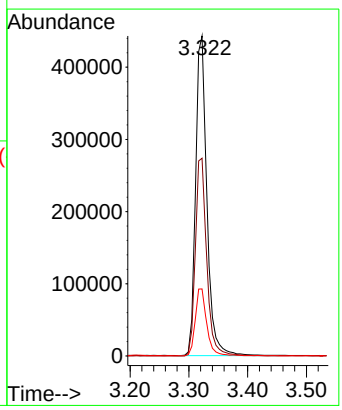


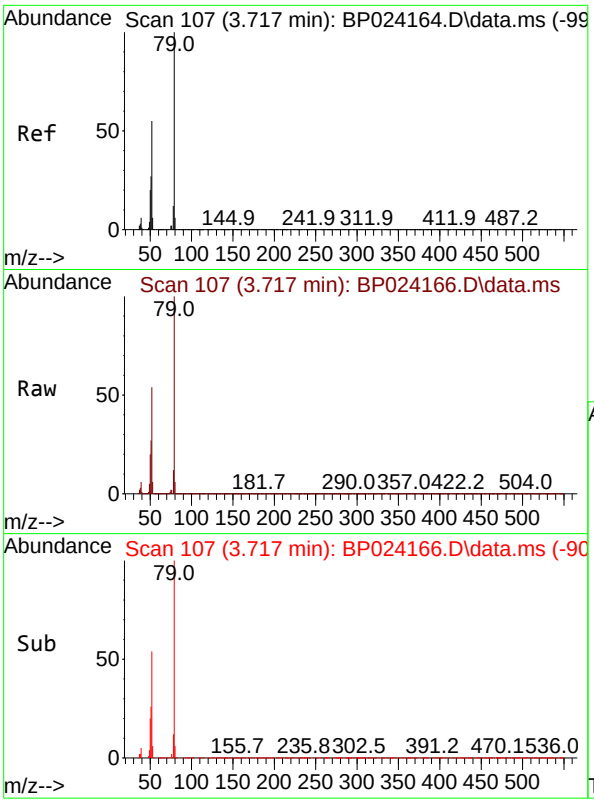




#2
1,4-Dioxane
Concen: 59.385 ng
RT: 3.322 min Scan# 40
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion: 88 Resp: 588784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 62.5 | 49.8 | 74.6 |
| 43 | 21.3 | 17.3 | 25.9 |



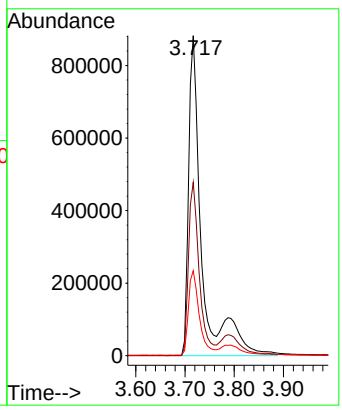


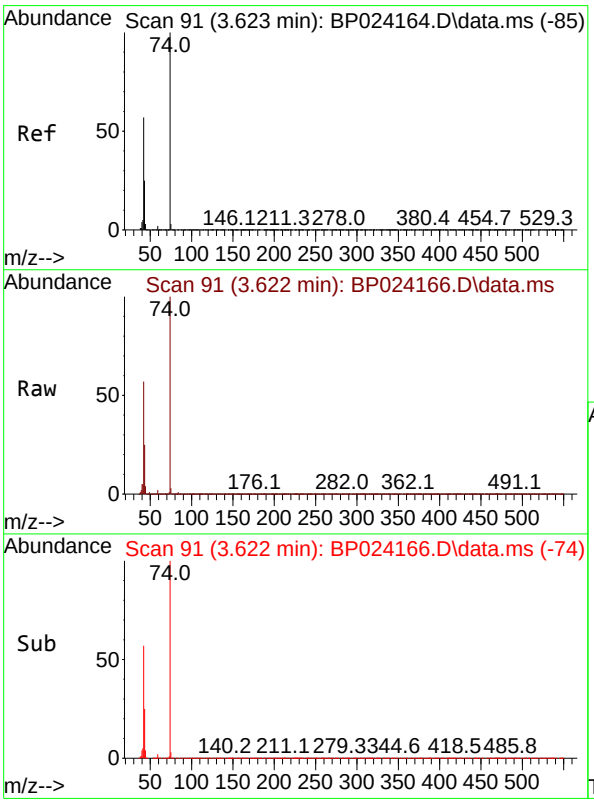

#3
Pyridine
Concen: 64.153 ng m
RT: 3.717 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 79 Resp: 1653707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 54.2 | 43.8 | 65.8 |
| 51 | 26.6 | 21.6 | 32.4 |

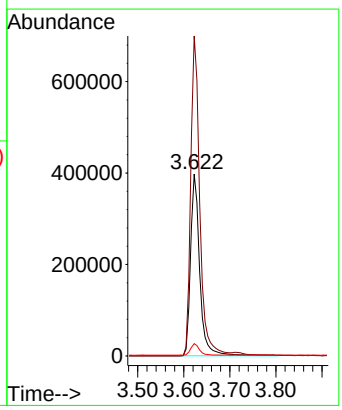


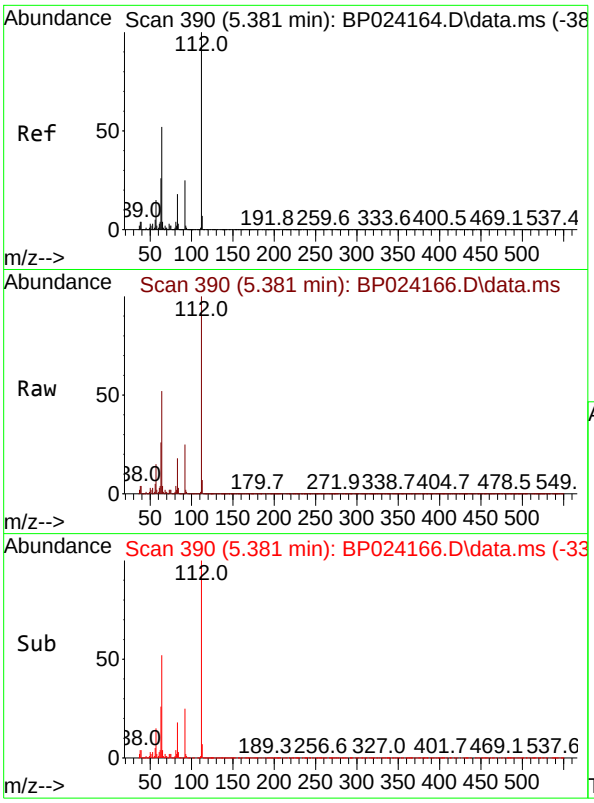




#4
n-Nitrosodimethylamine
Concen: 60.270 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion: 42 Resp: 551093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 175.9 | 139.8 | 209.6 |
| 44 | 6.8 | 5.3 | 7.9 |



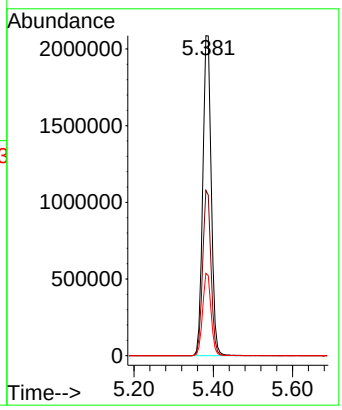


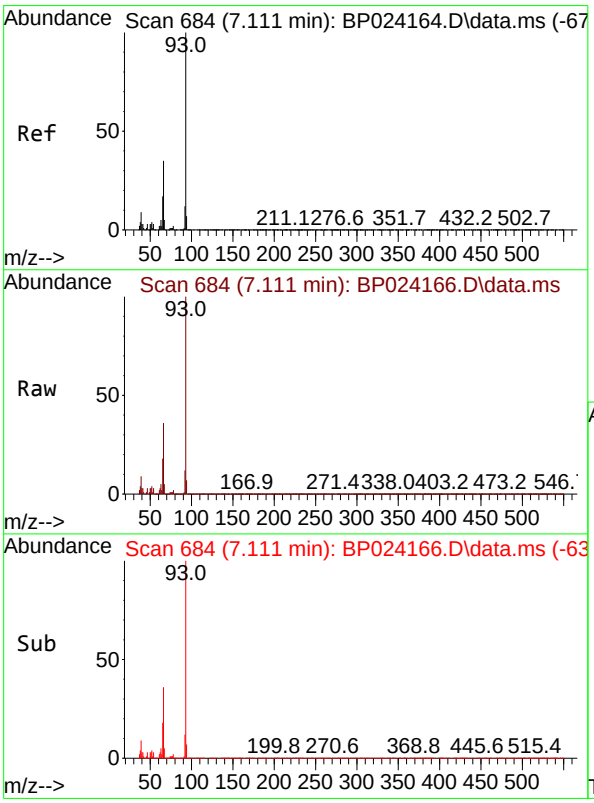

#5
2-Fluorophenol
Concen: 122.332 ng
RT: 5.381 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:112 Resp: 3091896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 51.7 | 41.3 | 61.9 |
| 63 | 25.7 | 20.6 | 31.0 |

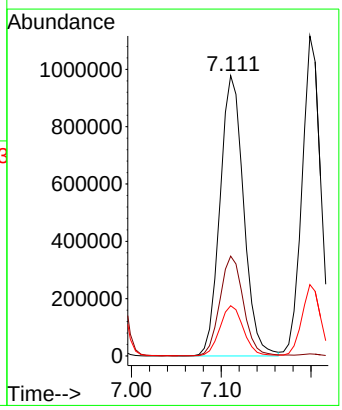


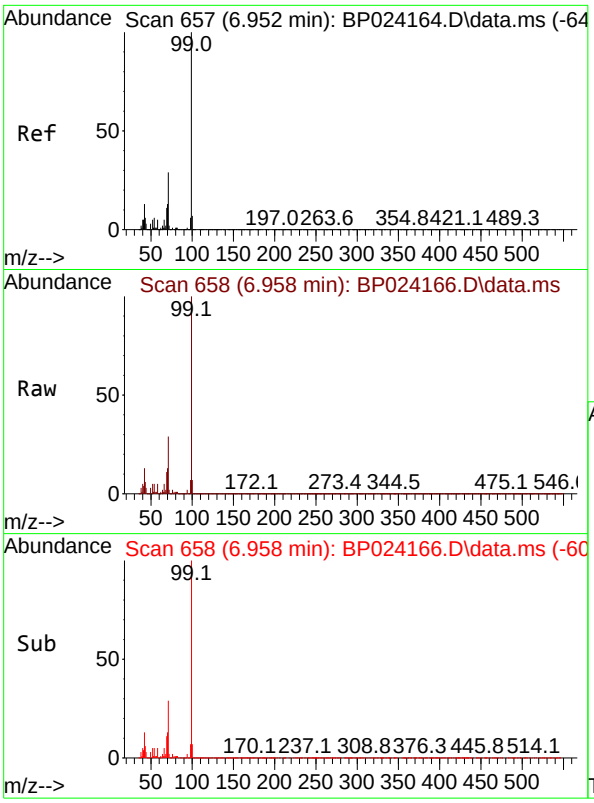




#6
Aniline
Concen: 60.115 ng
RT: 7.111 min Scan# 684
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion: 93 Resp: 1788370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 35.6 | 28.2 | 42.2 |
| 65 | 17.9 | 14.0 | 21.0 |



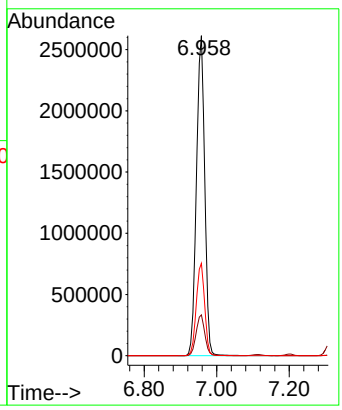


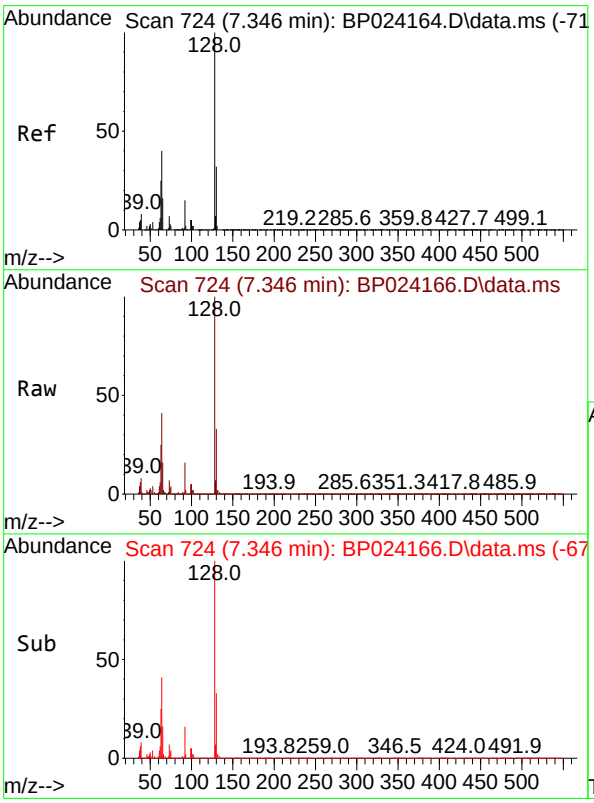

#7
Phenol-d6
Concen: 127.785 ng
RT: 6.958 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 99 Resp: 4151063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 12.7 | 10.6 | 16.0 |
| 71 | 28.9 | 23.3 | 34.9 |

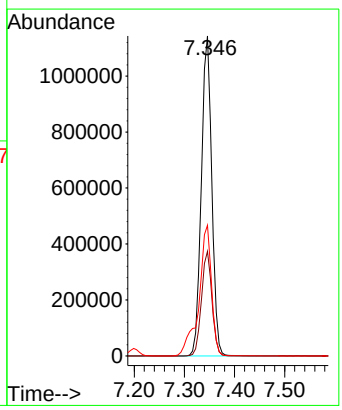


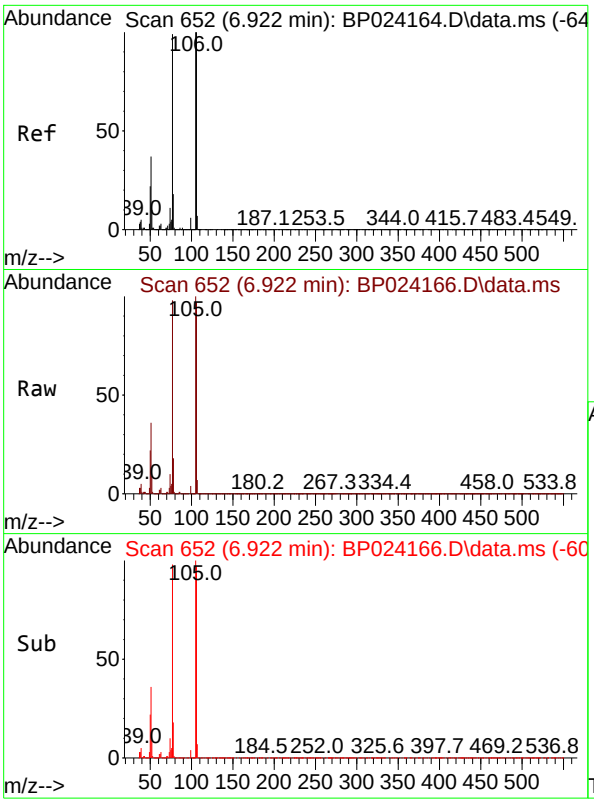




#8
2-Chlorophenol
Concen: 61.919 ng
RT: 7.346 min Scan# 724
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:128 Resp: 1656453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.7 | 12.0 | 52.0 |
| 64 | 40.9 | 21.6 | 61.6 |



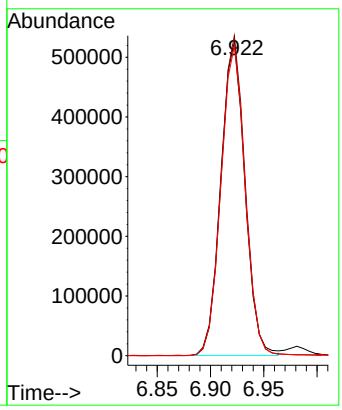


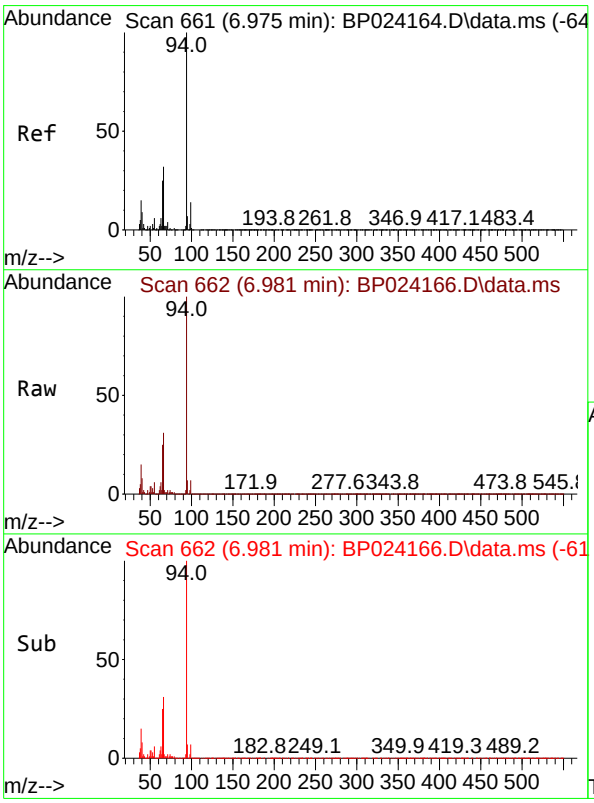

#9
Benzaldehyde
Concen: 55.995 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 77 Resp: 830475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 102.0 | 81.4 | 121.4 |
| 106 | 98.7 | 81.1 | 121.1 |

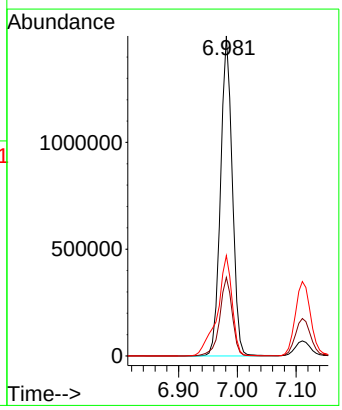


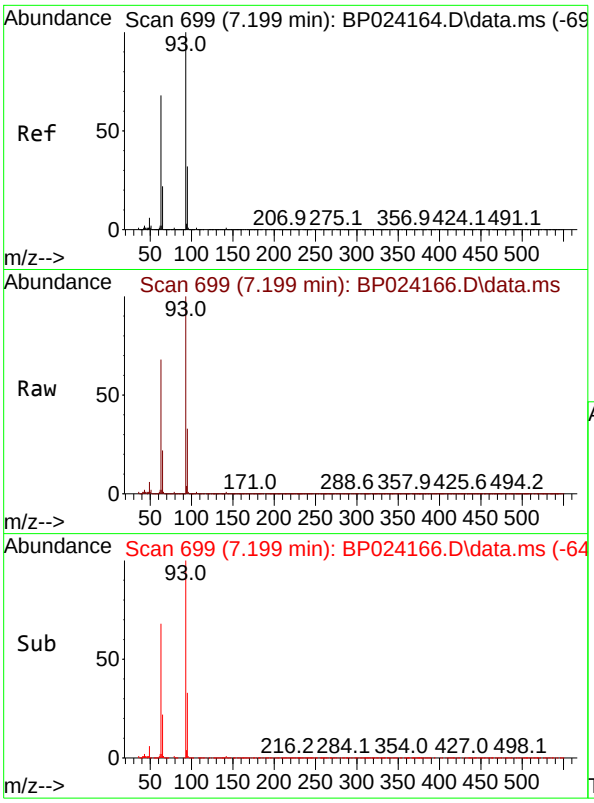




#10
Phenol
Concen: 63.448 ng
RT: 6.981 min Scan# 662
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion: 94 Resp: 2072585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 24.5 | 4.9 | 44.9 |
| 66 | 31.3 | 11.9 | 51.9 |



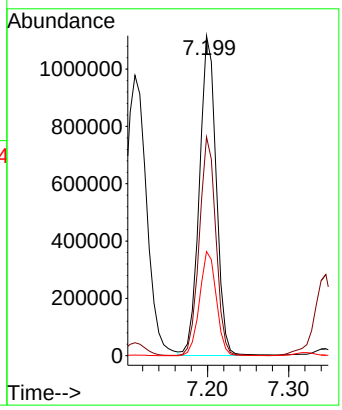


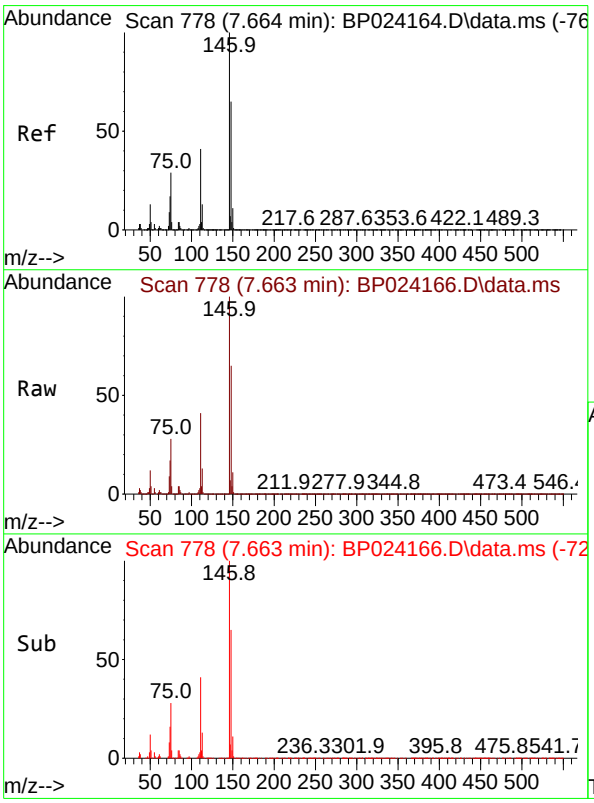

#11
bis(2-Chloroethyl)ether
Concen: 62.425 ng
RT: 7.199 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 93 Resp: 1606110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 68.3 | 47.4 | 87.4 |
| 95 | 32.6 | 12.1 | 52.1 |

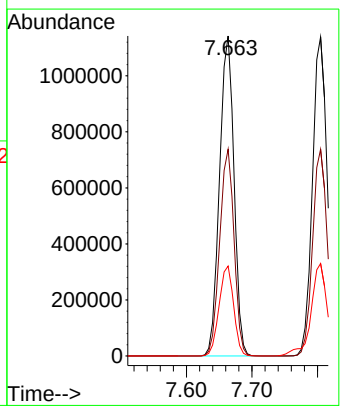


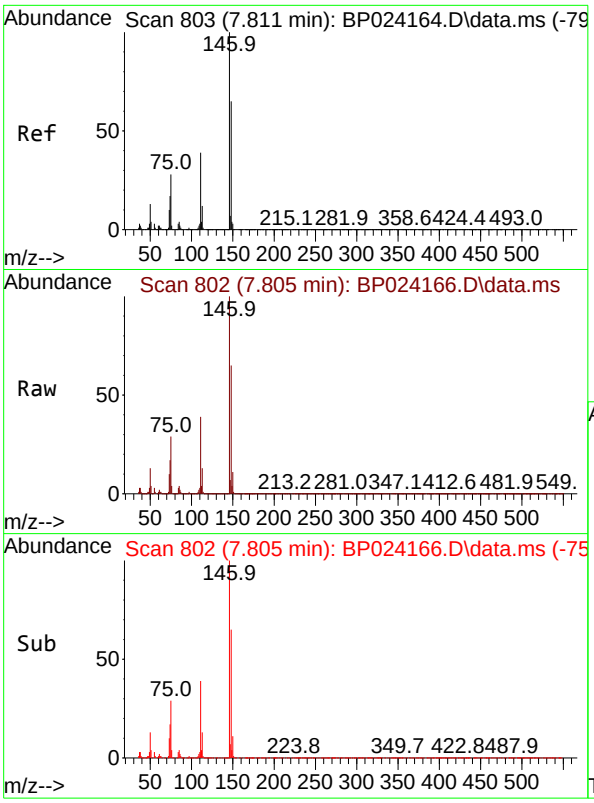




#12
1,3-Dichlorobenzene
Concen: 59.234 ng
RT: 7.663 min Scan# 778
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:146 Resp: 1740829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.6 | 51.6 | 77.4 |
| 75 | 28.1 | 22.8 | 34.2 |



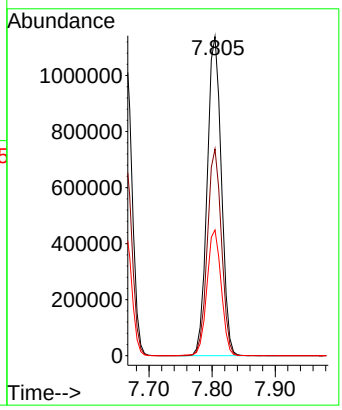


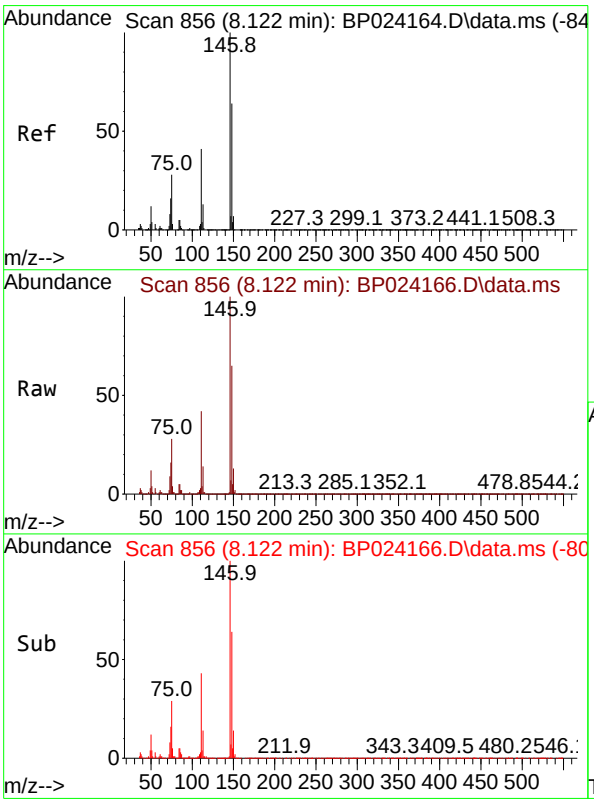

#13
1,4-Dichlorobenzene
Concen: 59.836 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:146 Resp: 1778400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.8 | 51.9 | 77.9 |
| 111 | 39.4 | 31.4 | 47.2 |

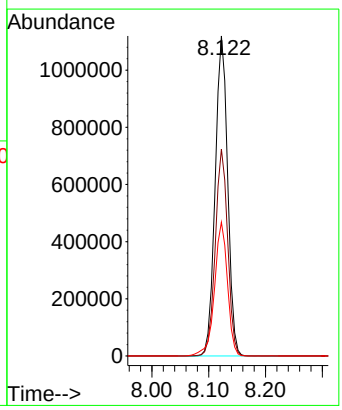


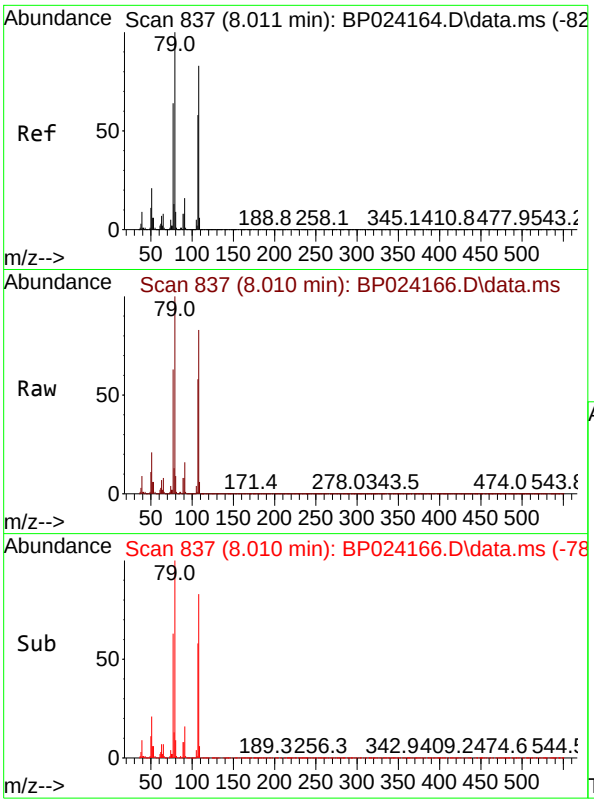




#14
1,2-Dichlorobenzene
Concen: 59.737 ng
RT: 8.122 min Scan# 856
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:146 Resp: 1703894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.6 | 51.4 | 77.2 |
| 111 | 41.8 | 33.2 | 49.8 |



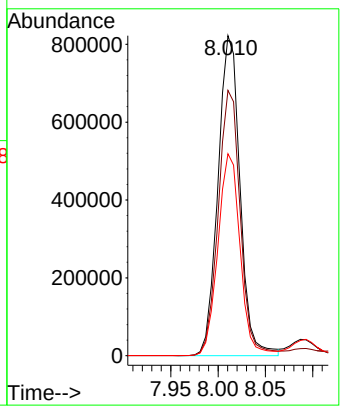


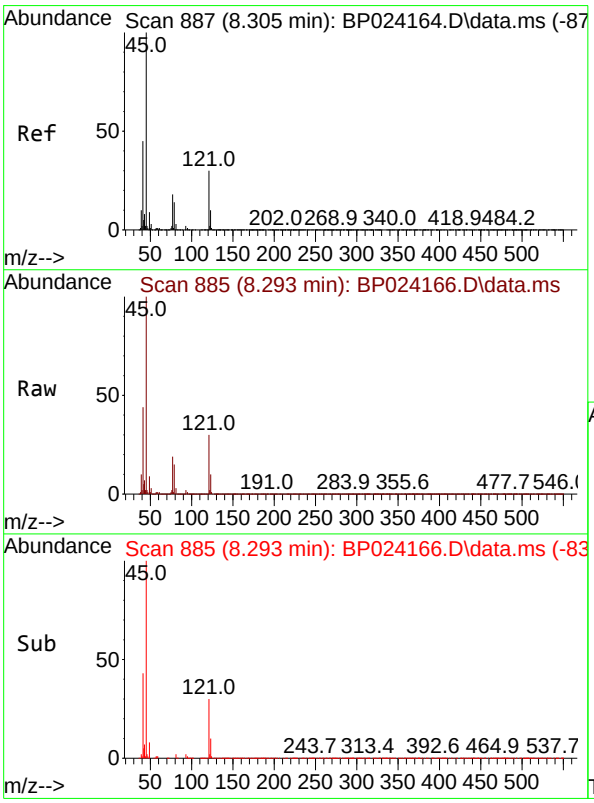

#15
Benzyl Alcohol
Concen: 67.021 ng
RT: 8.010 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 79 Resp: 1332675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 82.9 | 66.5 | 99.7 |
| 77 | 63.1 | 50.9 | 76.3 |

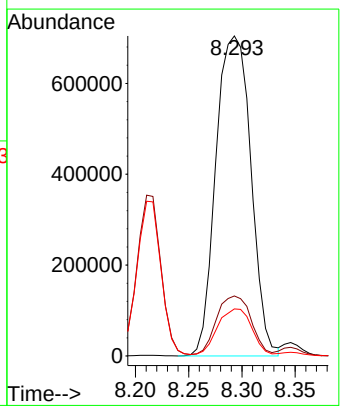


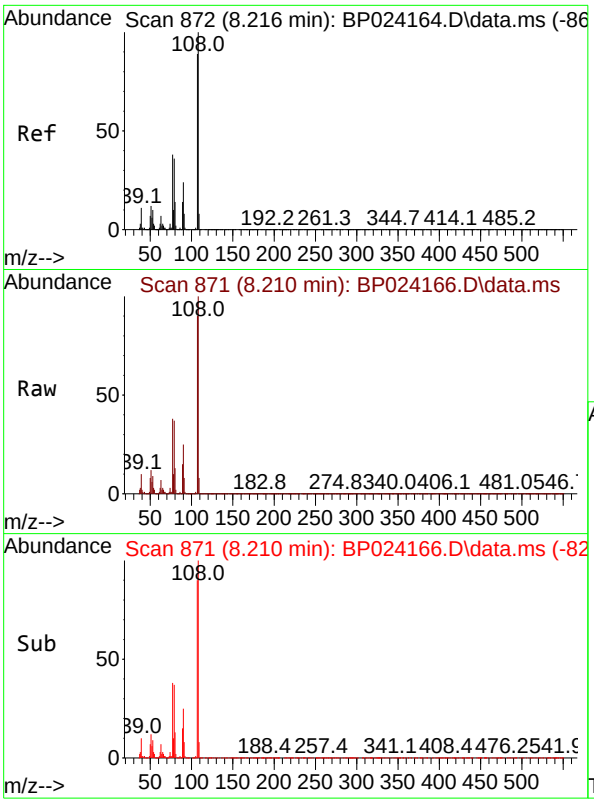




#16
2,2'-oxybis(1-Chloropropane)
Concen: 64.502 ng
RT: 8.293 min Scan# 885
Delta R.T. -0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion: 45 Resp: 1610981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 18.8 | 0.0 | 39.0 |
| 79 | 14.7 | 0.0 | 35.6 |



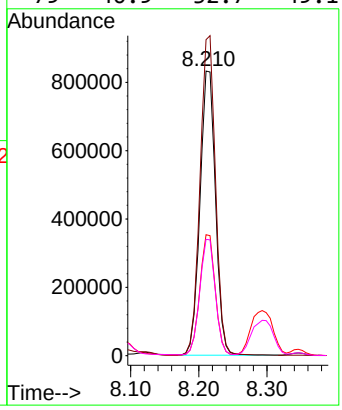


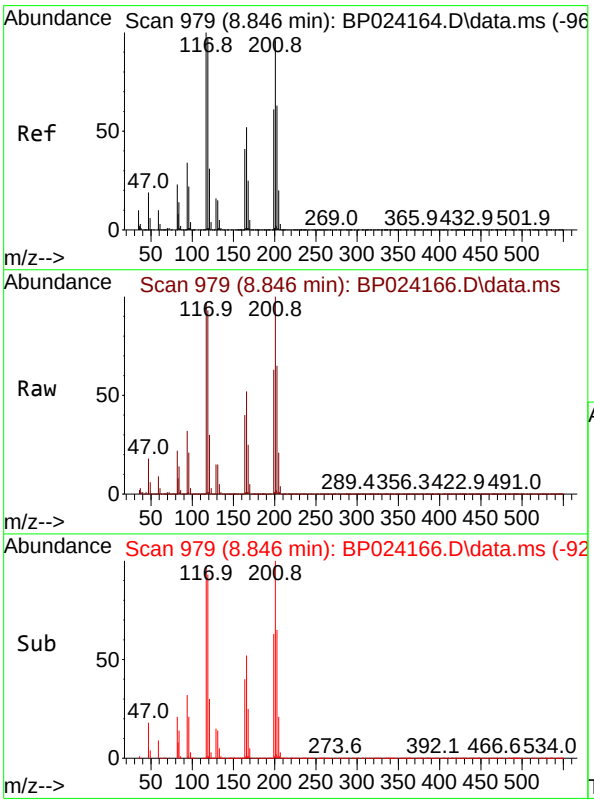

#17
2-Methylphenol
Concen: 66.132 ng
RT: 8.210 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:107 Resp: 1316438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.0 | 90.0 | 135.0 |
| 77 | 42.5 | 34.0 | 51.0 |
| 79 | 40.9 | 32.7 | 49.1 |

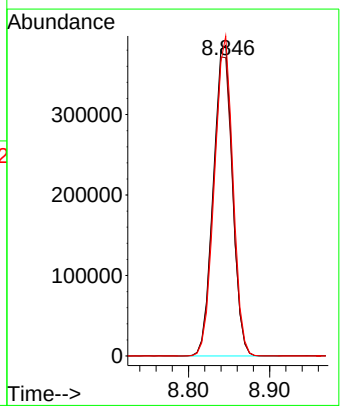


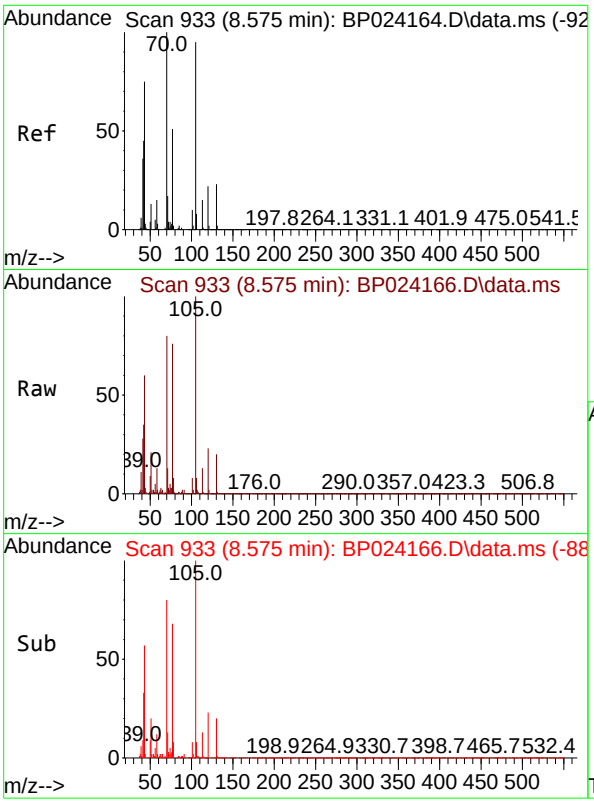




#18
Hexachloroethane
Concen: 59.498 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:117 Resp: 636840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.0 | 77.4 | 116.0 |
| 201 | 103.0 | 76.6 | 114.8 |



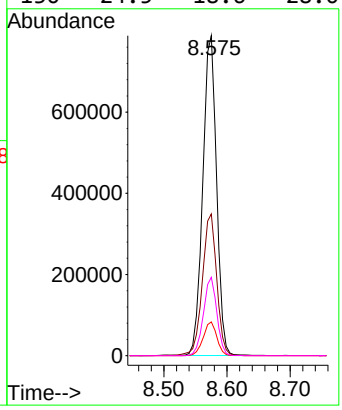


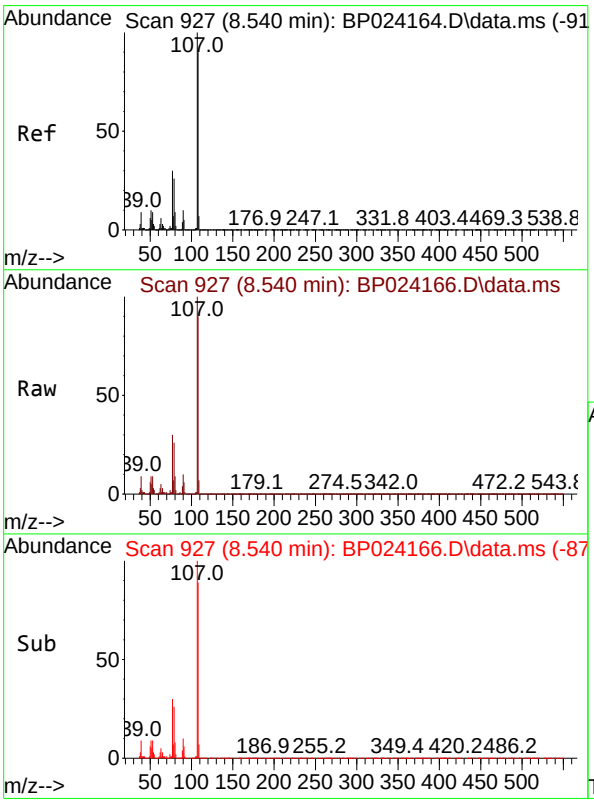

#19
n-Nitroso-di-n-propylamine
Concen: 68.227 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 70 Resp: 1191669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 44.3 | 36.0 | 54.0 |
| 101 | 10.6 | 8.3 | 12.5 |
| 130 | 24.5 | 18.6 | 28.0 |

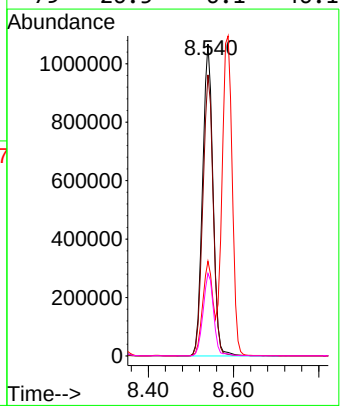


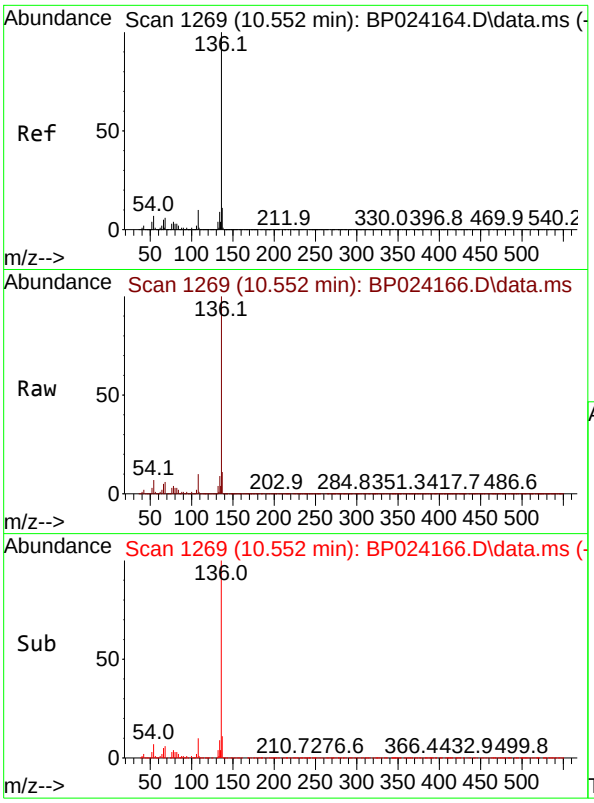




#20
3+4-Methylphenols
Concen: 66.838 ng
RT: 8.540 min Scan# 927
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:107 Resp: 1809984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.1 | 69.7 | 109.7 |
| 77 | 30.4 | 10.3 | 50.3 |
| 79 | 26.5 | 6.1 | 46.1 |



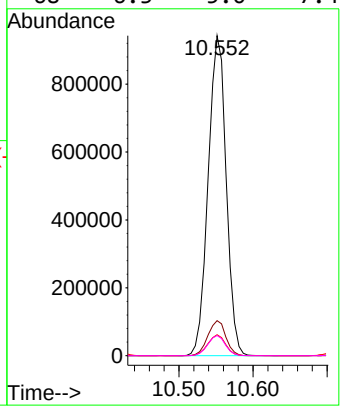


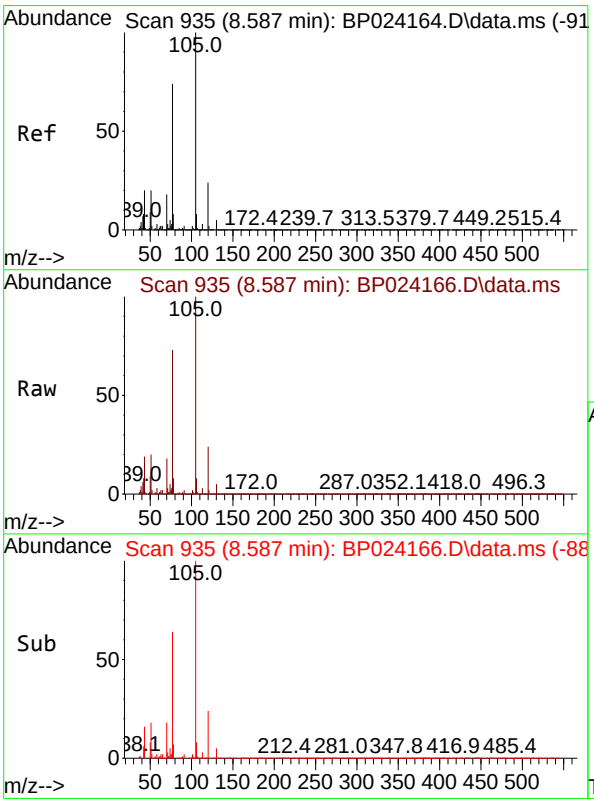

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.552 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:136 Resp: 1591612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 9.0 | 13.4 |
| 54 | 6.5 | 5.3 | 7.9 |
| 68 | 6.3 | 5.0 | 7.4 |

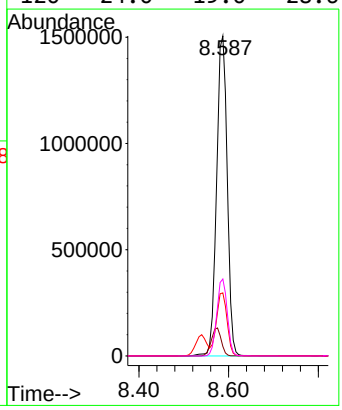


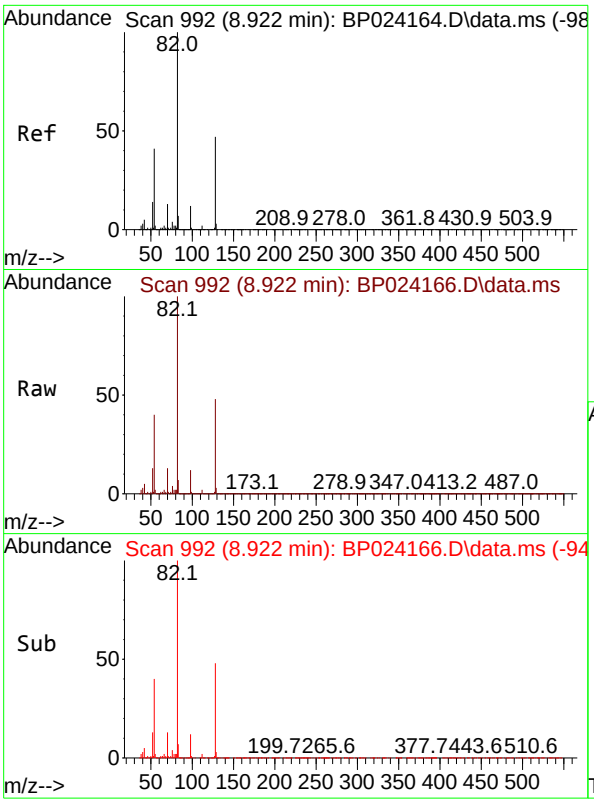




#22
Acetophenone
Concen: 60.600 ng
RT: 8.587 min Scan# 935
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:105 Resp: 2478568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 3.0 | 2.4 | 3.6 |
| 51 | 19.7 | 16.2 | 24.2 |
| 120 | 24.0 | 19.0 | 28.6 |



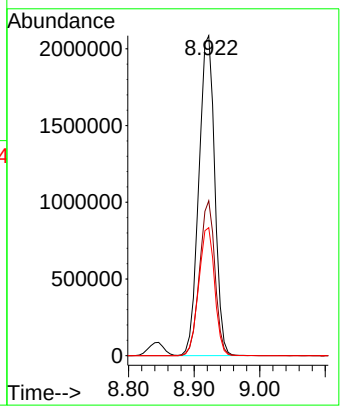


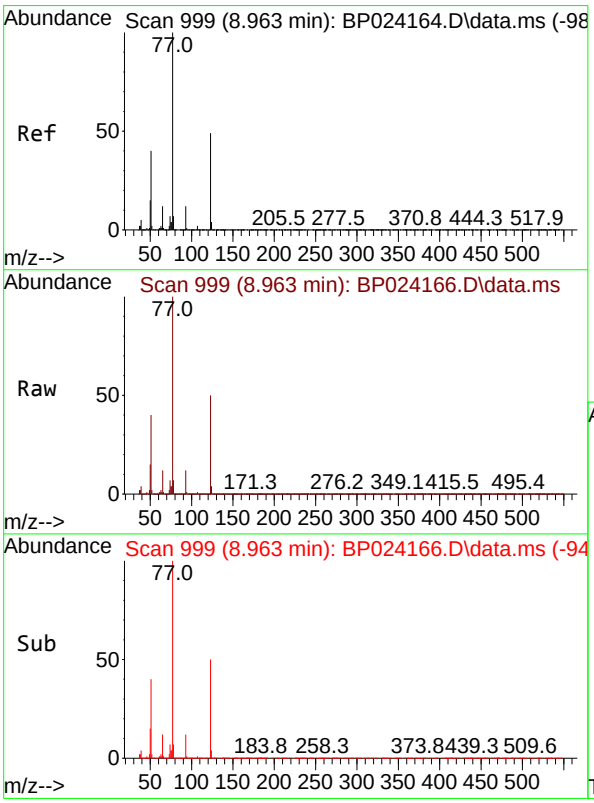

#23
Nitrobenzene-d5
Concen: 123.247 ng
RT: 8.922 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 82 Resp: 3516139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 48.4 | 37.4 | 56.0 |
| 54 | 40.0 | 32.5 | 48.7 |

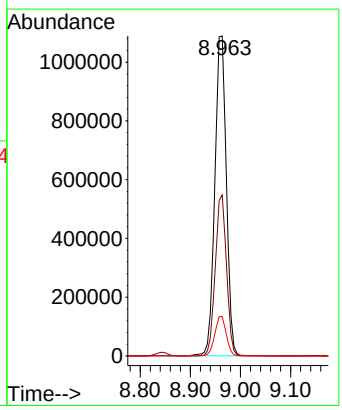


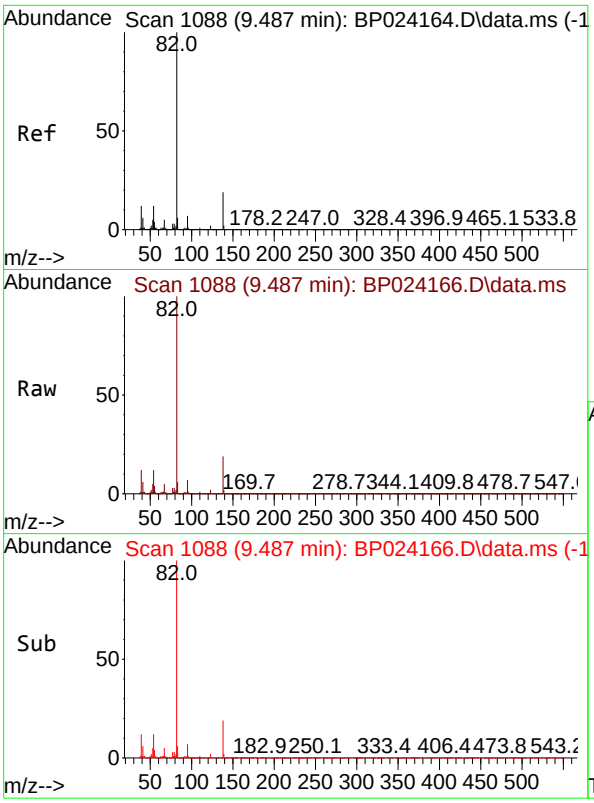




#24
Nitrobenzene
Concen: 61.673 ng
RT: 8.963 min Scan# 999
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion: 77 Resp: 1731589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 50.3 | 39.4 | 59.2 |
| 65 | 12.3 | 9.9 | 14.9 |



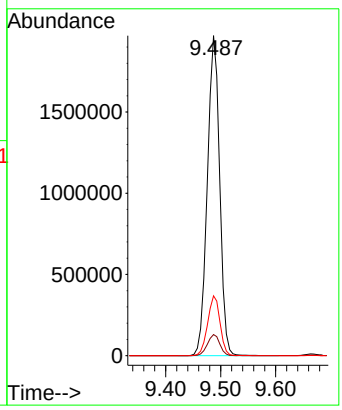


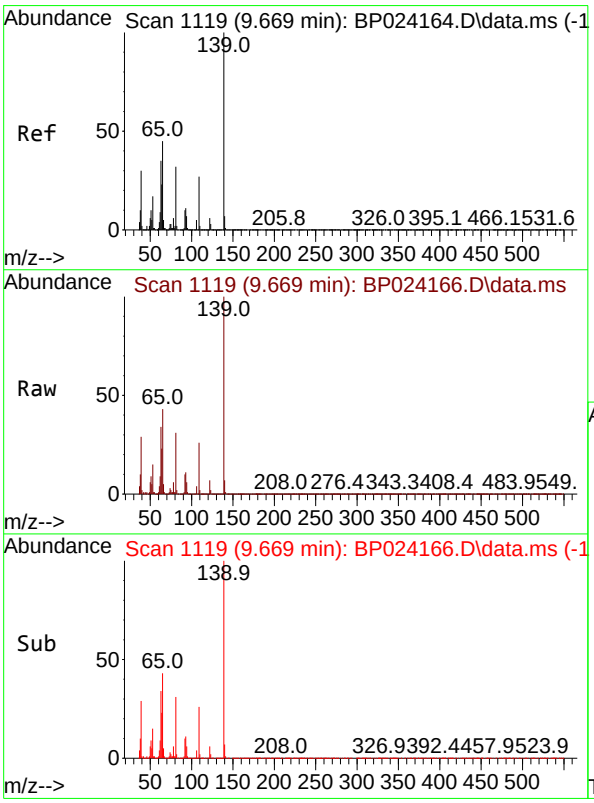

#25
Isophorone
Concen: 65.658 ng
RT: 9.487 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 82 Resp: 3063158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.6 | 5.3 | 7.9 |
| 138 | 18.7 | 14.8 | 22.2 |

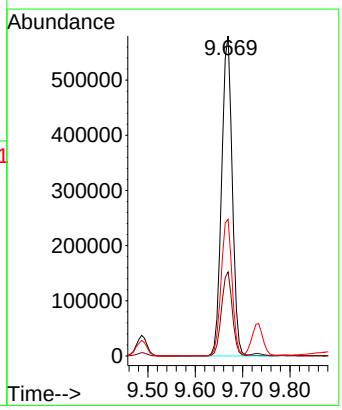


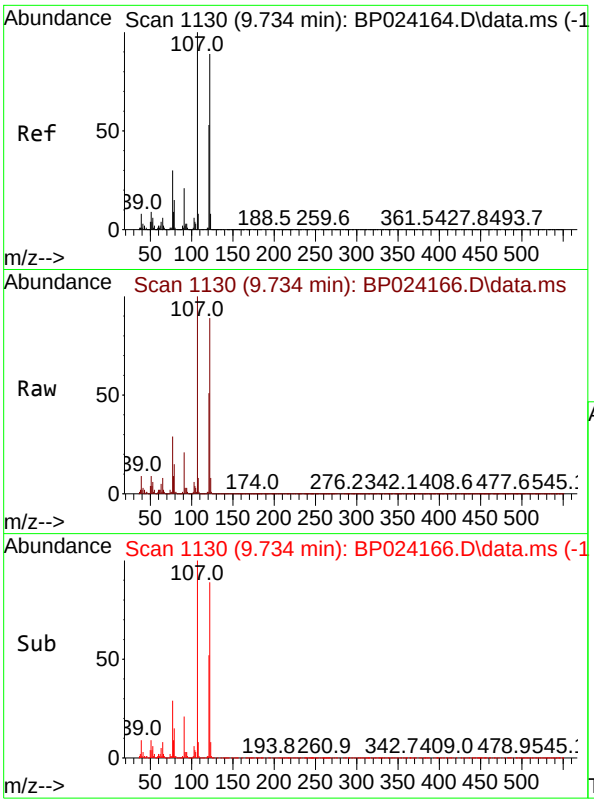




#26
2-Nitrophenol
Concen: 69.941 ng
RT: 9.669 min Scan# 1119
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:139 Resp: 904714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 26.2 | 21.7 | 32.5 |
| 65 | 42.7 | 35.8 | 53.8 |



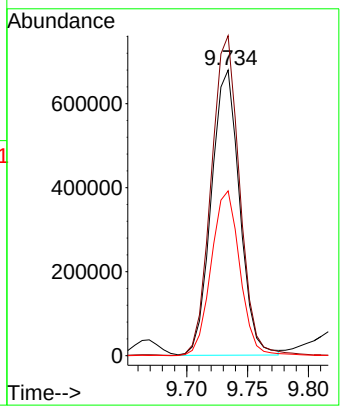


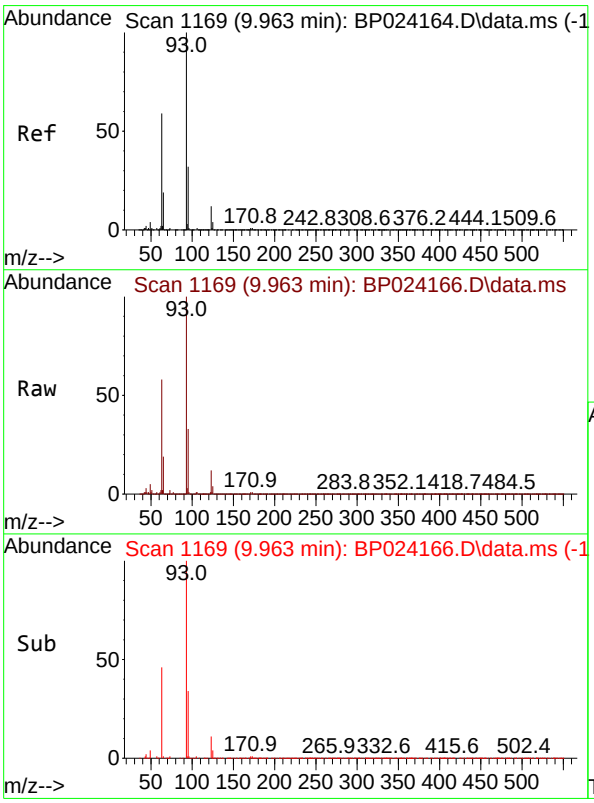

#27
2,4-Dimethylphenol
Concen: 64.534 ng
RT: 9.734 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:122 Resp: 1095778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 112.0 | 89.3 | 133.9 |
| 121 | 57.7 | 47.5 | 71.3 |

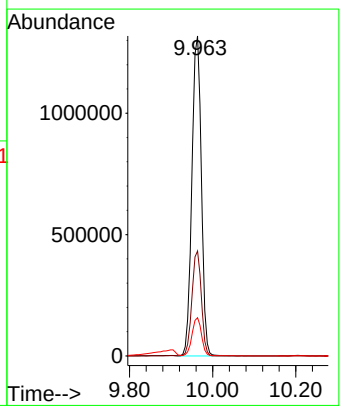


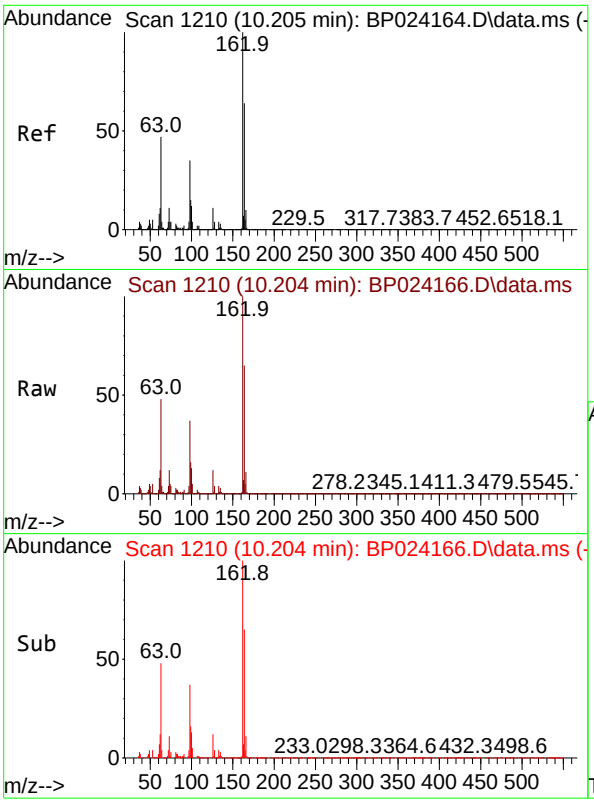




#28
bis(2-Chloroethoxy)methane
Concen: 61.742 ng
RT: 9.963 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion: 93 Resp: 2086687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.8 | 25.9 | 38.9 |
| 123 | 12.0 | 9.5 | 14.3 |



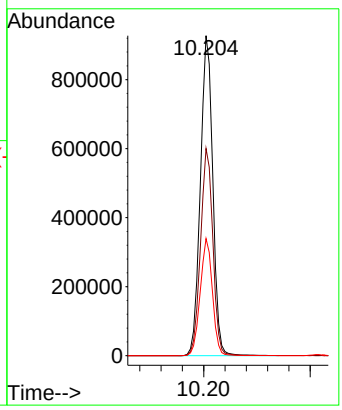


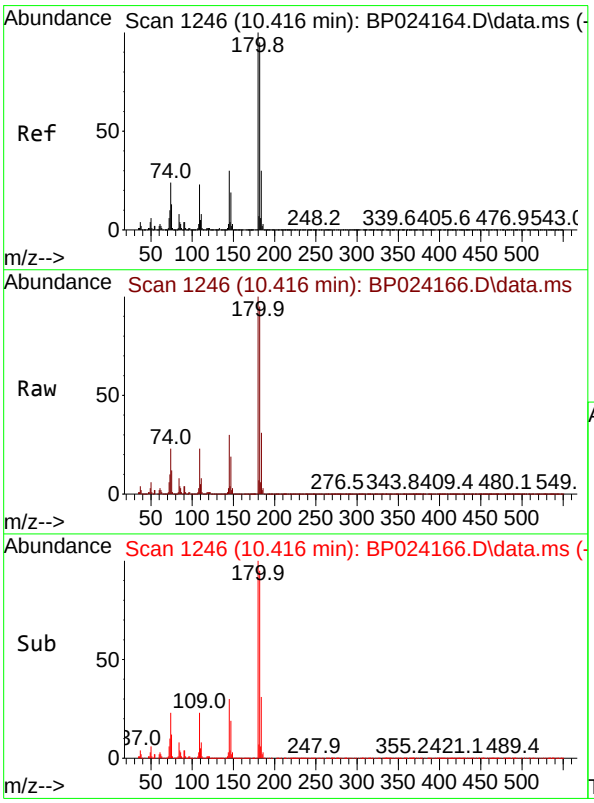

#29
2,4-Dichlorophenol
Concen: 64.609 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:162 Resp: 1497152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.8 | 44.2 | 84.2 |
| 98 | 36.6 | 15.1 | 55.1 |

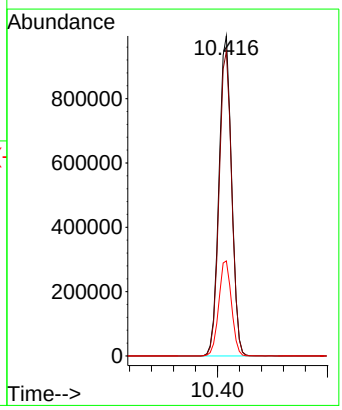


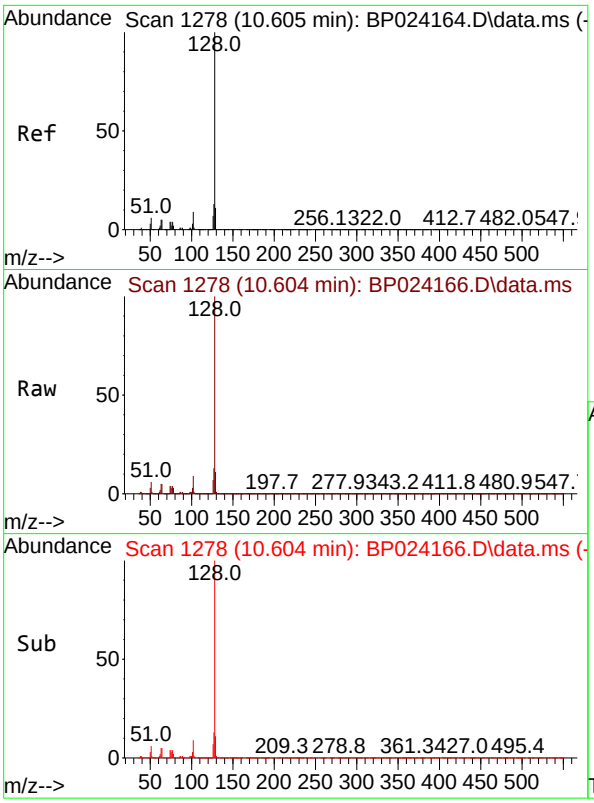




#30
1,2,4-Trichlorobenzene
Concen: 59.453 ng
RT: 10.416 min Scan# 1246
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:180 Resp: 1578453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 76.1 | 114.1 |
| 145 | 29.7 | 24.2 | 36.2 |



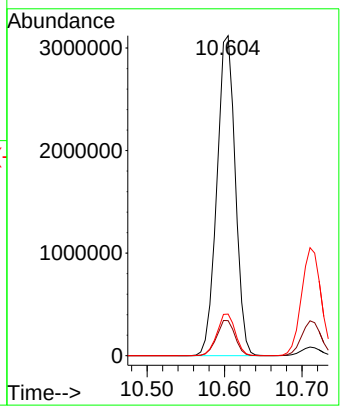


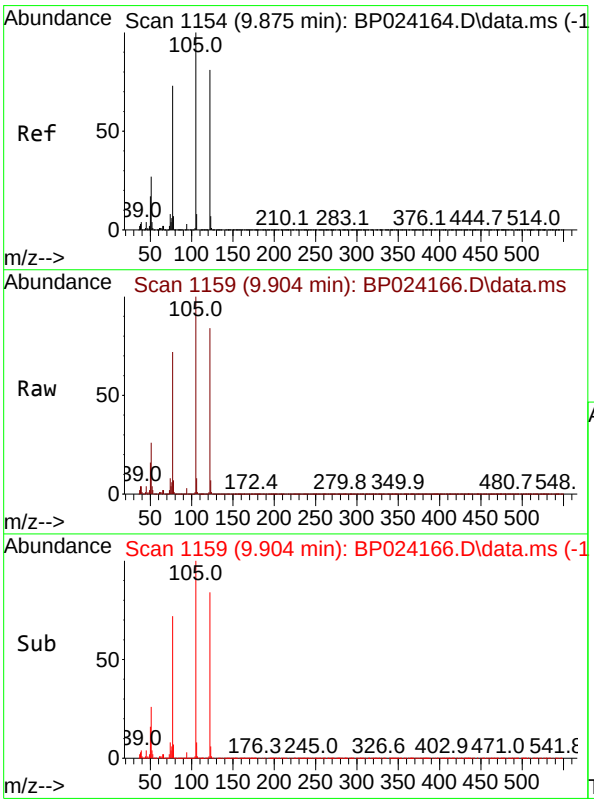

#31
Naphthalene
Concen: 60.129 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:128 Resp: 5145859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.7 | 13.1 |
| 127 | 13.0 | 10.4 | 15.6 |

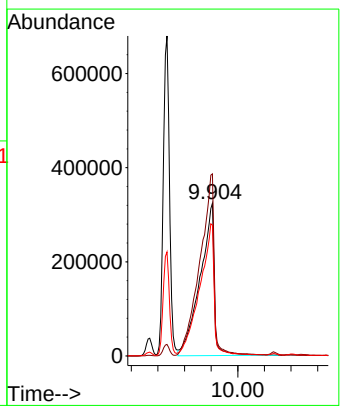


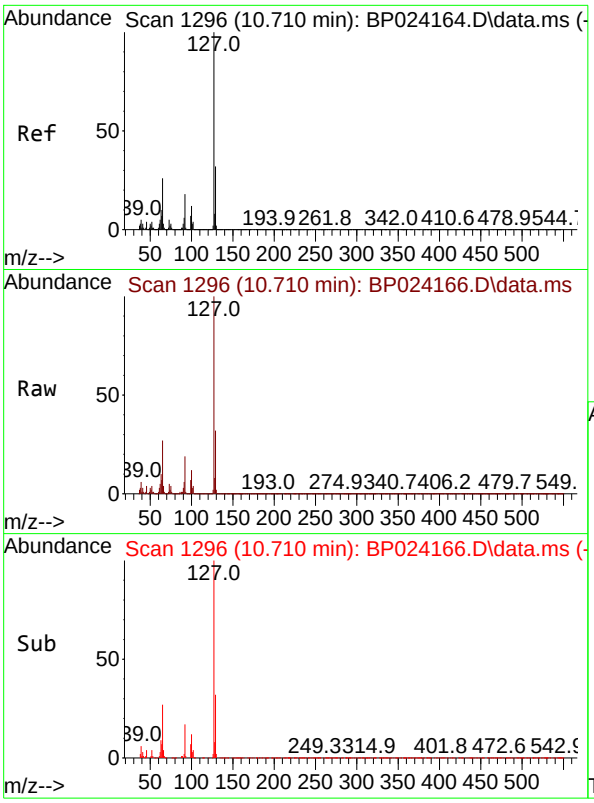




#32
Benzoic acid
Concen: 77.325 ng
RT: 9.904 min Scan# 1159
Delta R.T. 0.029 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:122 Resp: 1203679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 119.3 | 100.3 | 140.3 |
| 77 | 85.8 | 69.1 | 109.1 |



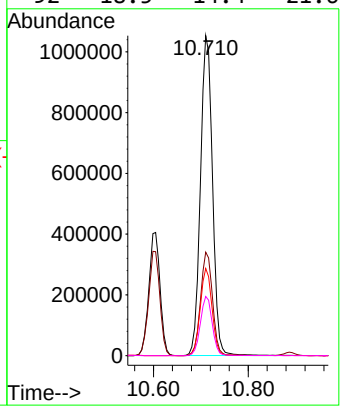


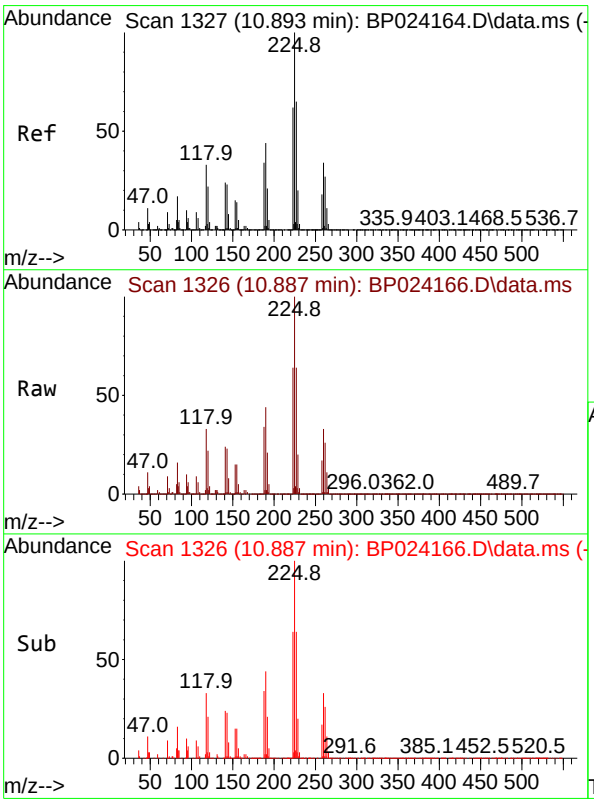

#33
4-Chloroaniline
Concen: 61.665 ng
RT: 10.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:127 Resp: 1859148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.4 | 25.8 | 38.6 |
| 65 | 27.3 | 21.2 | 31.8 |
| 92 | 18.5 | 14.4 | 21.6 |

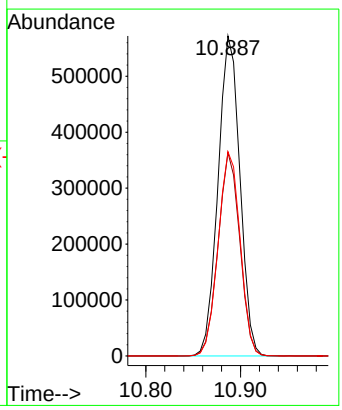


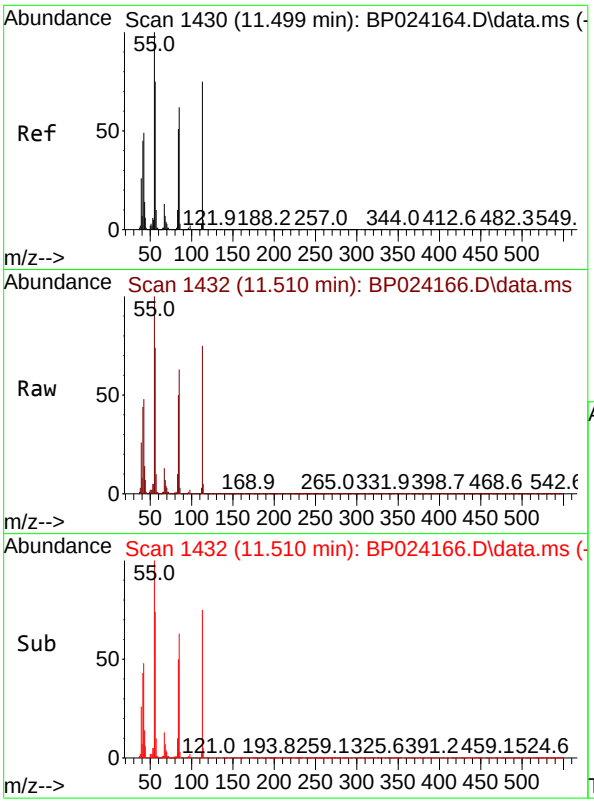




#34
Hexachlorobutadiene
Concen: 59.699 ng
RT: 10.887 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:225 Resp: 918034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.6 | 49.9 | 74.9 |
| 227 | 63.8 | 52.2 | 78.2 |



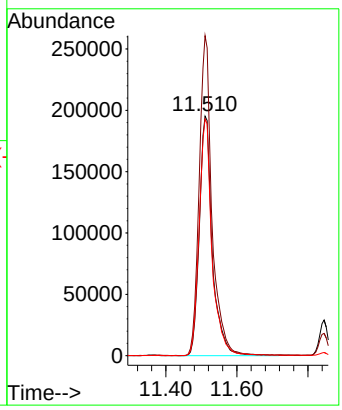


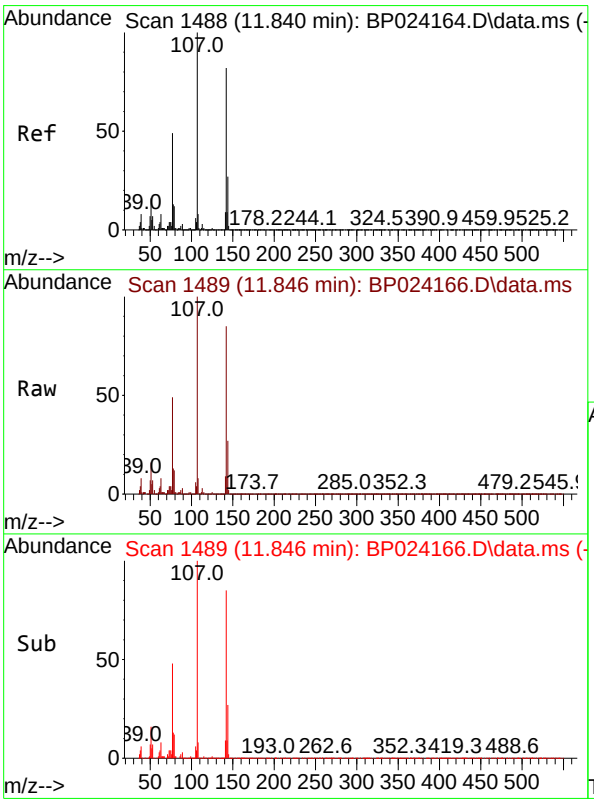

#35
Caprolactam
Concen: 70.784 ng
RT: 11.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:113 Resp: 496683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 133.6 | 113.6 | 153.6 |
| 56 | 98.8 | 80.0 | 120.0 |

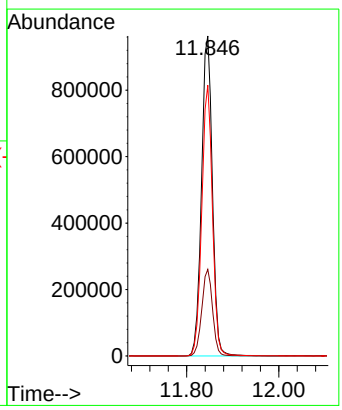


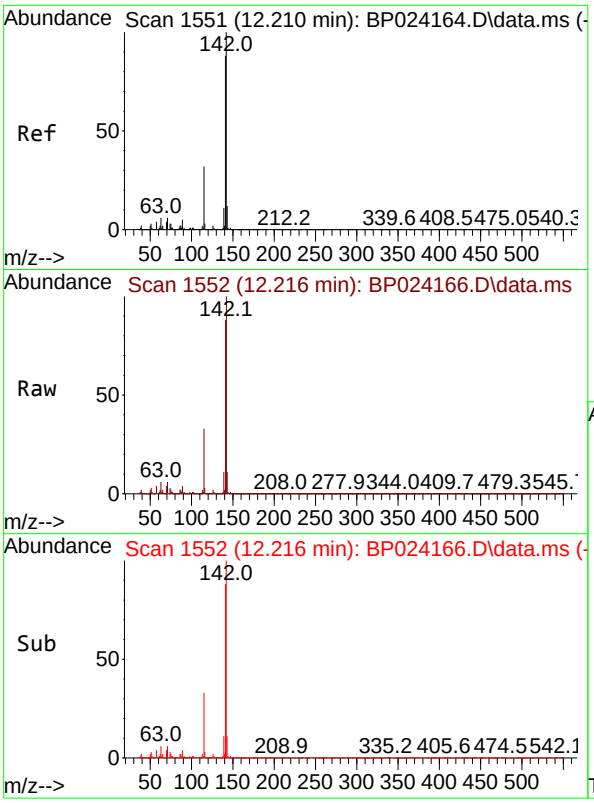




#36
4-Chloro-3-methylphenol
Concen: 66.451 ng
RT: 11.846 min Scan# 1489
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:107 Resp: 1582952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 27.1 | 21.6 | 32.4 |
| 142 | 84.6 | 65.4 | 98.0 |



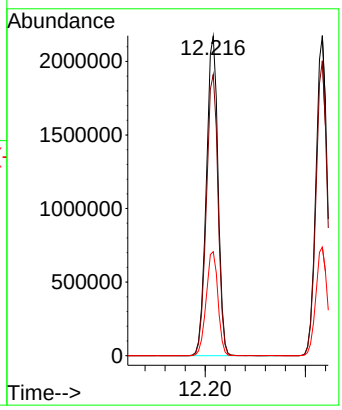


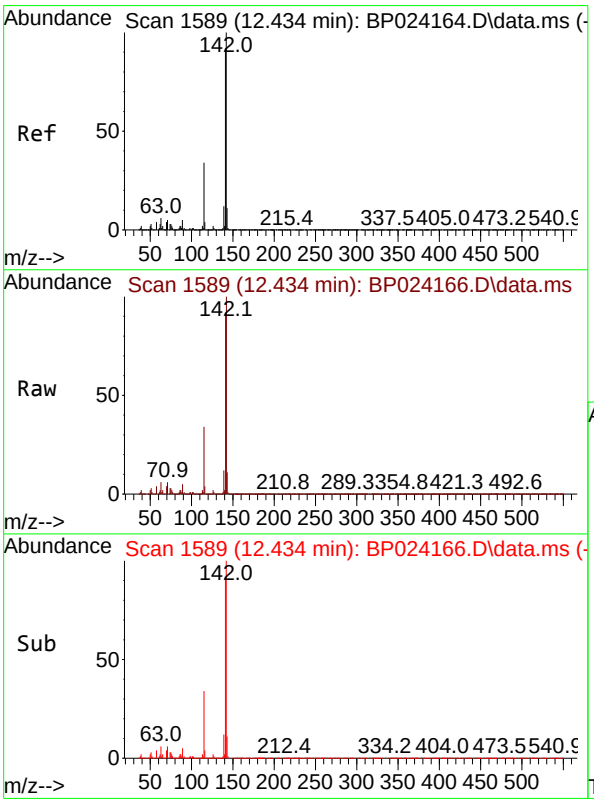

#37
2-Methylnaphthalene
Concen: 61.618 ng
RT: 12.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:142 Resp: 3504891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.0 | 70.3 | 105.5 |
| 115 | 32.6 | 26.0 | 39.0 |

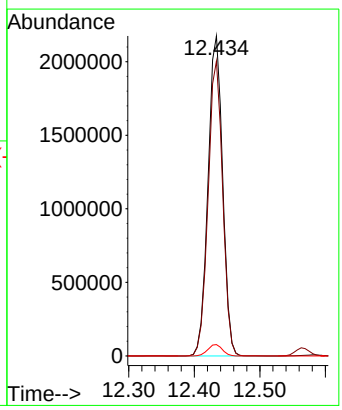


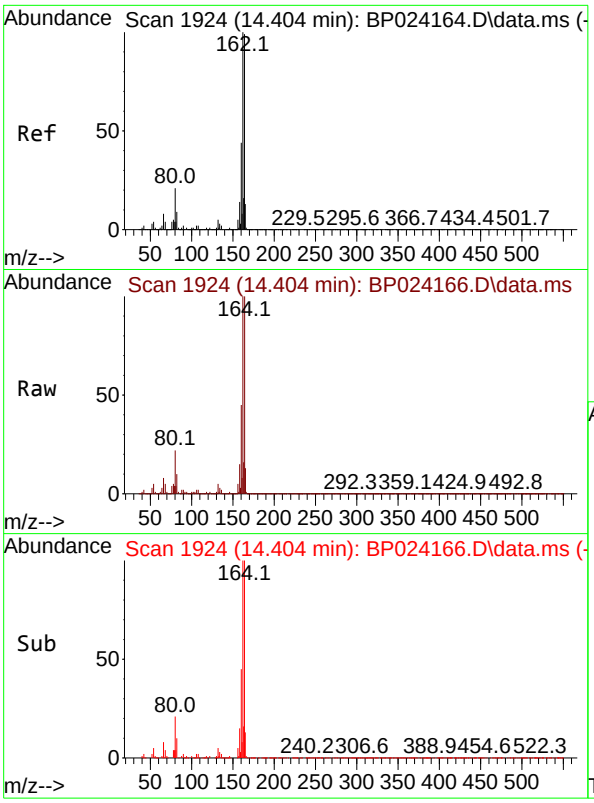




#38
1-Methylnaphthalene
Concen: 60.802 ng
RT: 12.434 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:142 Resp: 3364504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.2 | 73.9 | 110.9 |
| 116 | 3.6 | 2.8 | 4.2 |



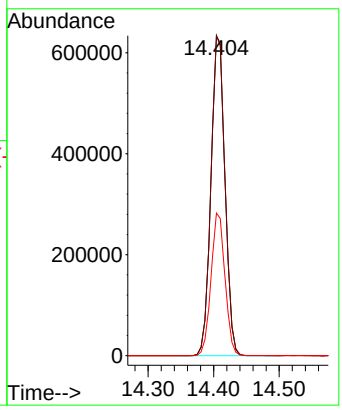


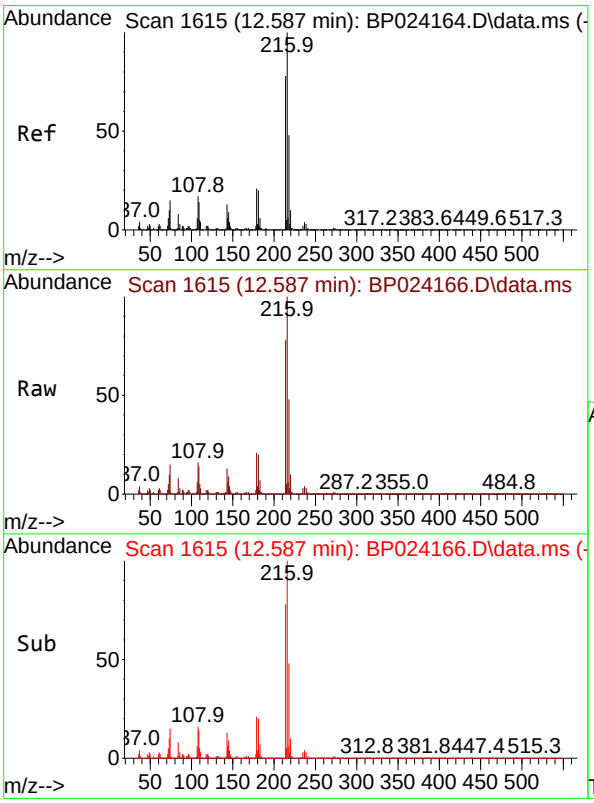

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:164 Resp: 936110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.0 | 80.6 | 121.0 |
| 160 | 44.5 | 35.4 | 53.2 |

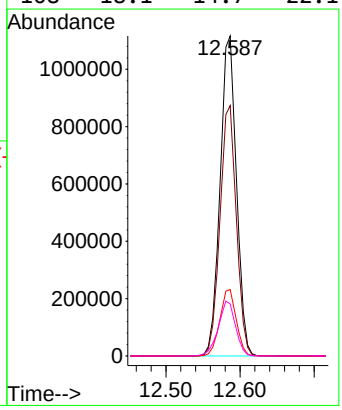


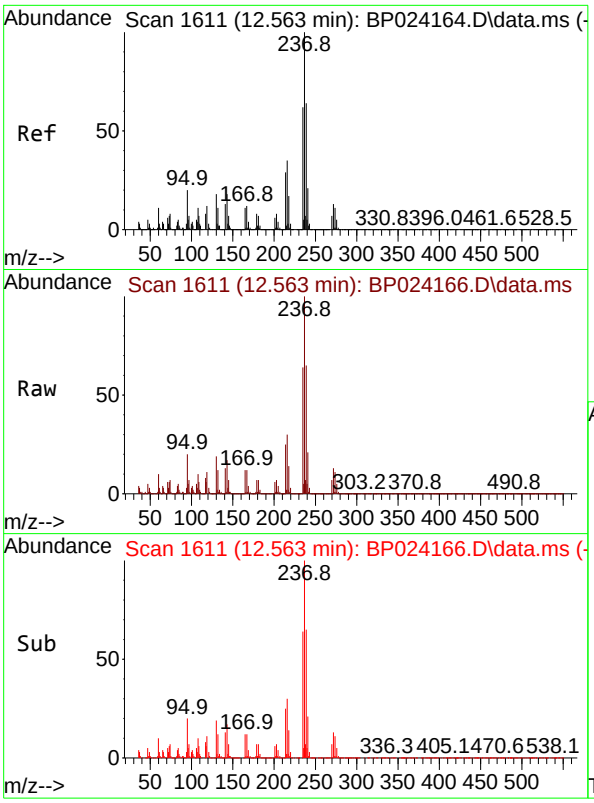




#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.382 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:216 Resp: 1707961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.5 | 62.8 | 94.2 |
| 179 | 20.9 | 16.8 | 25.2 |
| 108 | 18.1 | 14.7 | 22.1 |



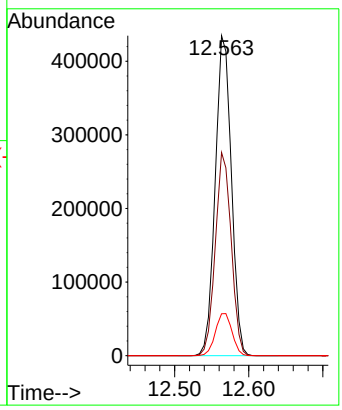


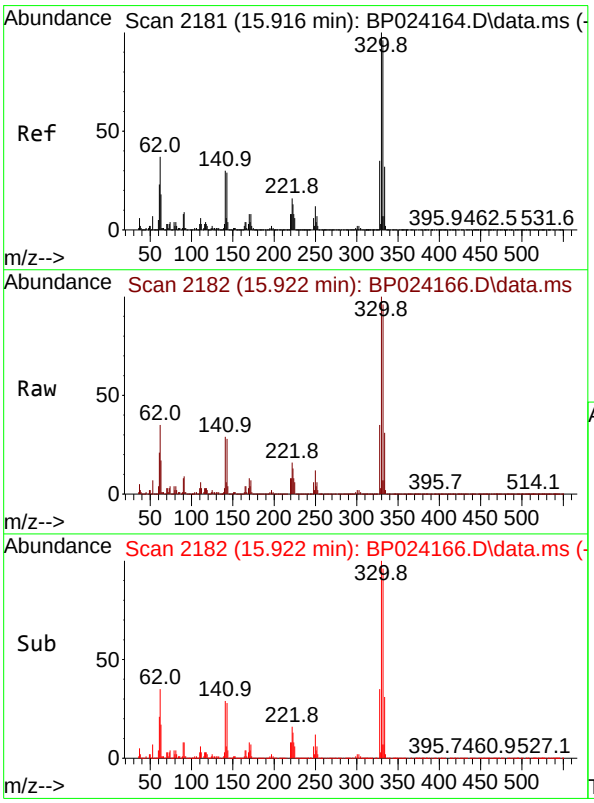

#41
Hexachlorocyclopentadiene
Concen: 61.365 ng
RT: 12.563 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:237 Resp: 656781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.5 | 41.8 | 81.8 |
| 272 | 13.1 | 0.0 | 33.5 |

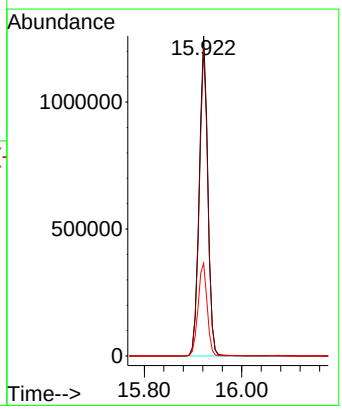


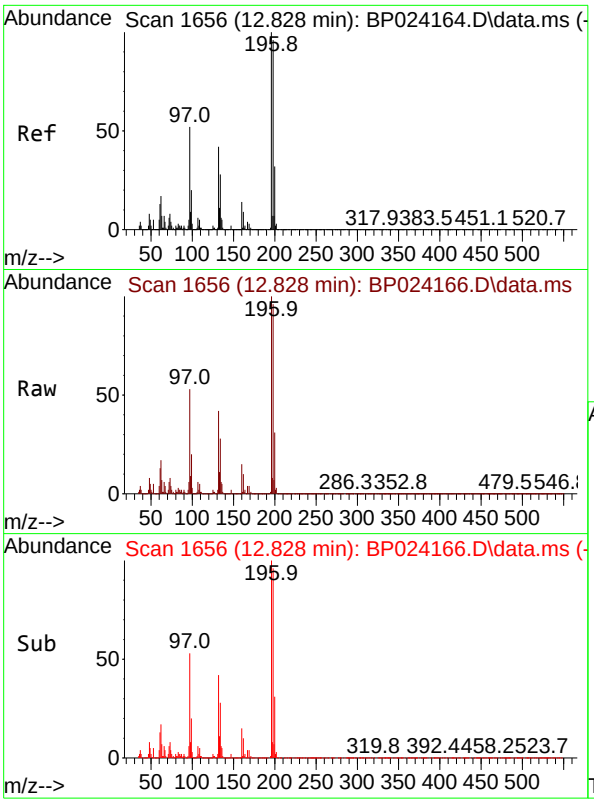




#42
2,4,6-Tribromophenol
Concen: 134.511 ng
RT: 15.922 min Scan# 2182
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:330 Resp: 1542341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.0 | 77.6 | 116.4 |
| 141 | 30.6 | 25.0 | 37.6 |



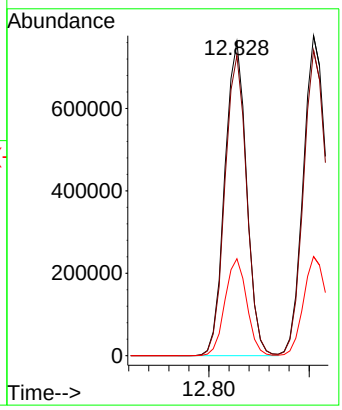


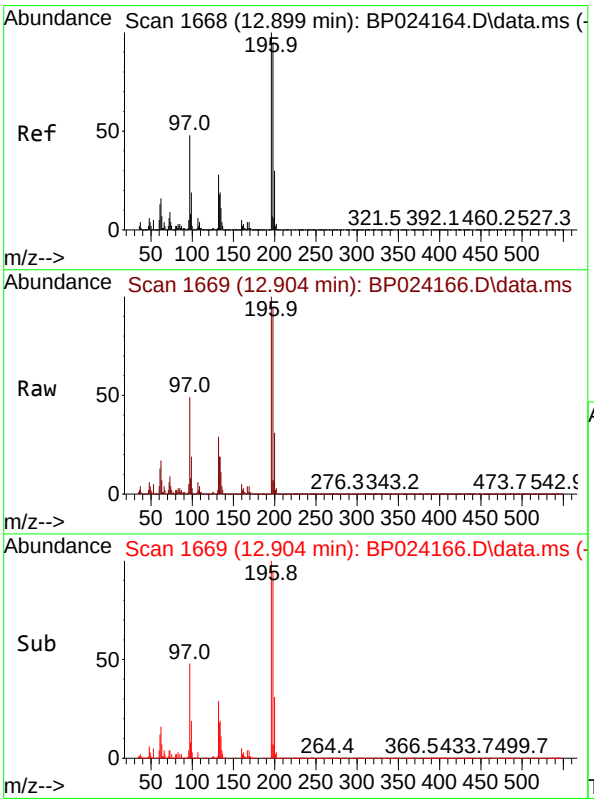

#43
2,4,6-Trichlorophenol
Concen: 65.478 ng
RT: 12.828 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:196 Resp: 1148545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.6 | 76.6 | 115.0 |
| 200 | 30.9 | 25.4 | 38.0 |

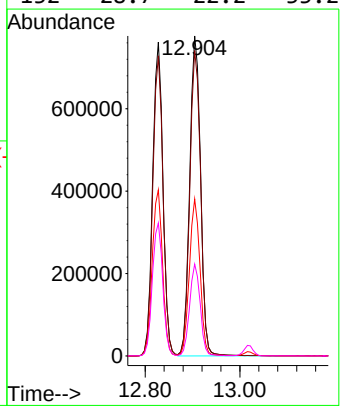


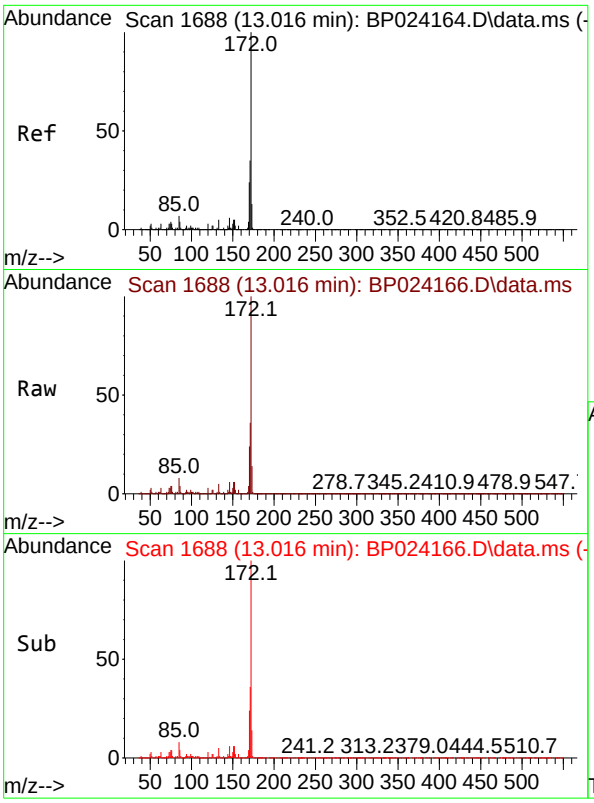




#44
2,4,5-Trichlorophenol
Concen: 64.282 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:196 Resp: 1233147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.4 | 76.5 | 114.7 |
| 97 | 49.0 | 38.7 | 58.1 |
| 132 | 28.7 | 22.2 | 33.2 |



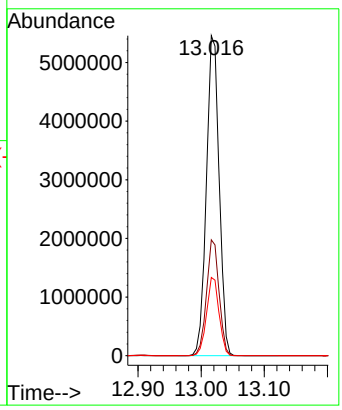


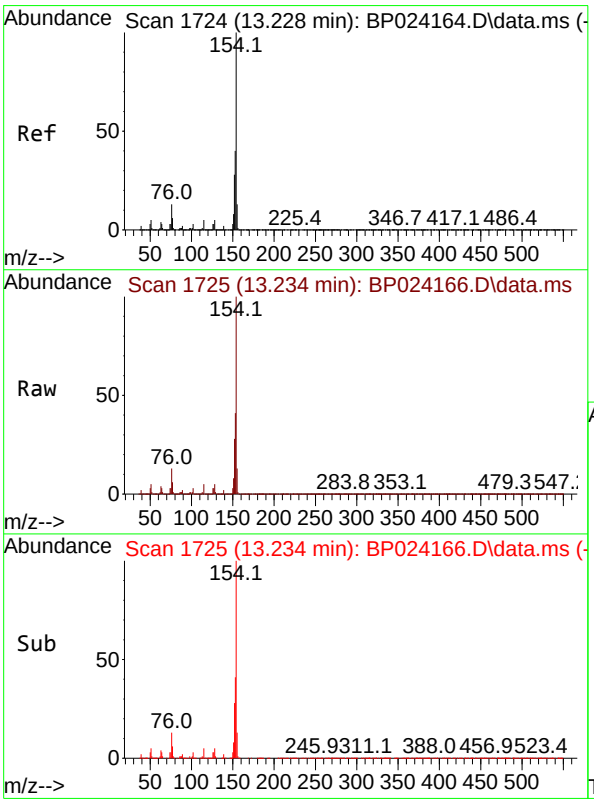

#45
2-Fluorobiphenyl
Concen: 114.626 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:172 Resp: 7675412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.2 | 28.3 | 42.5 |
| 170 | 24.5 | 19.0 | 28.4 |

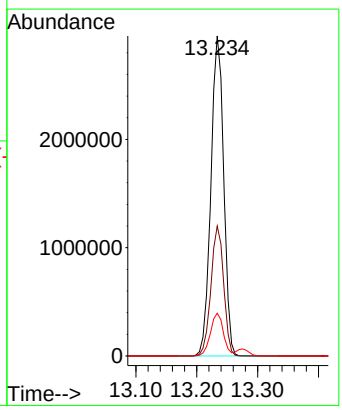


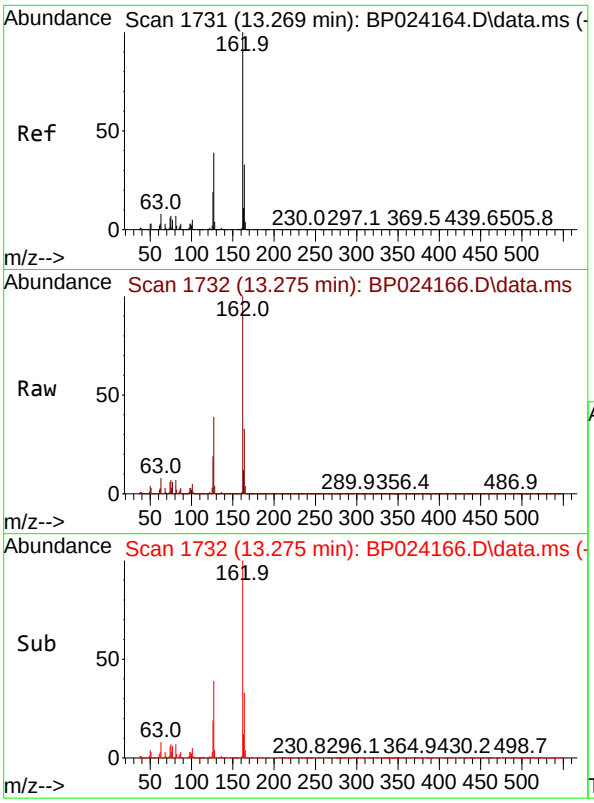




#46
1,1'-Biphenyl
Concen: 59.291 ng
RT: 13.234 min Scan# 1725
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:154 Resp: 4312903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.6 | 20.3 | 60.3 |
| 76 | 13.4 | 0.0 | 32.9 |



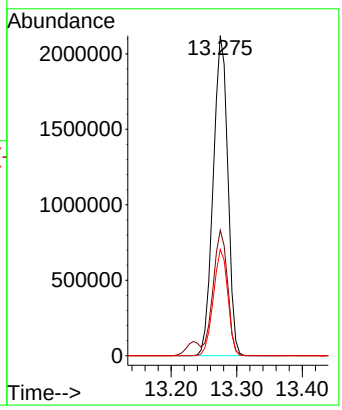


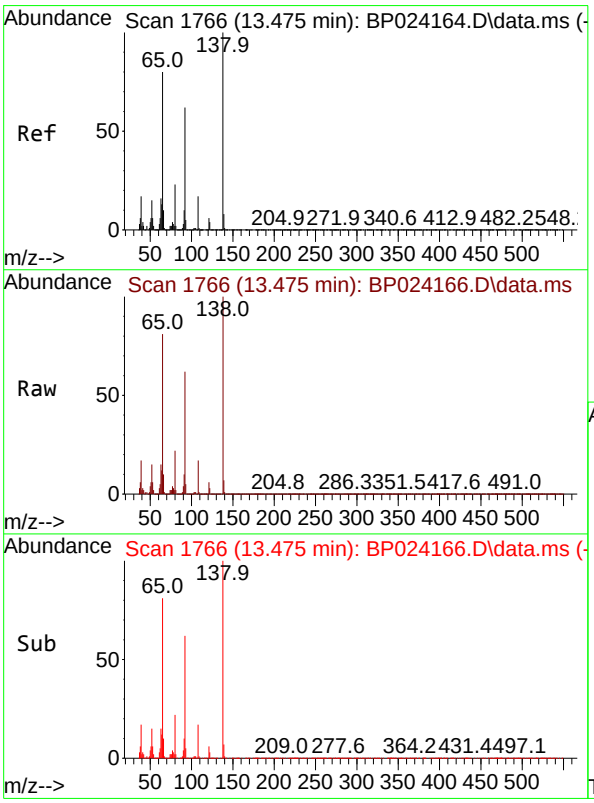

#47
2-Chloronaphthalene
Concen: 59.452 ng
RT: 13.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:162 Resp: 3269176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 39.2 | 31.5 | 47.3 |
| 164 | 33.2 | 26.6 | 39.8 |

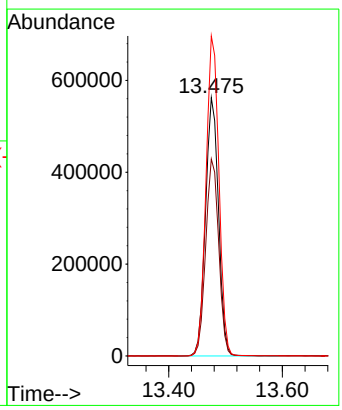


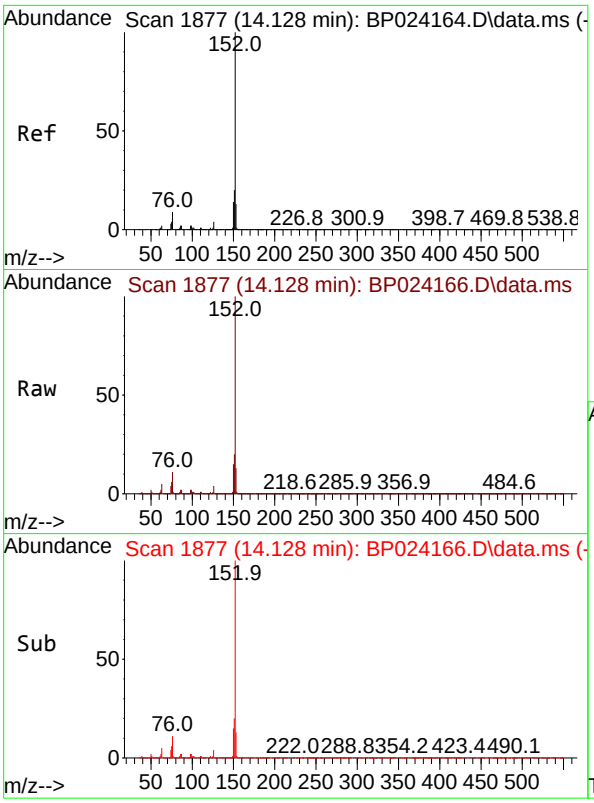




#48
2-Nitroaniline
Concen: 68.533 ng
RT: 13.475 min Scan# 1766
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion: 65 Resp: 890207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 76.3 | 62.1 | 93.1 |
| 138 | 123.9 | 99.5 | 149.3 |



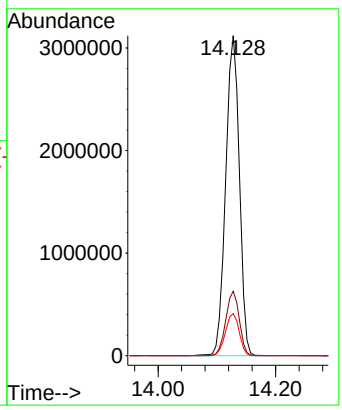


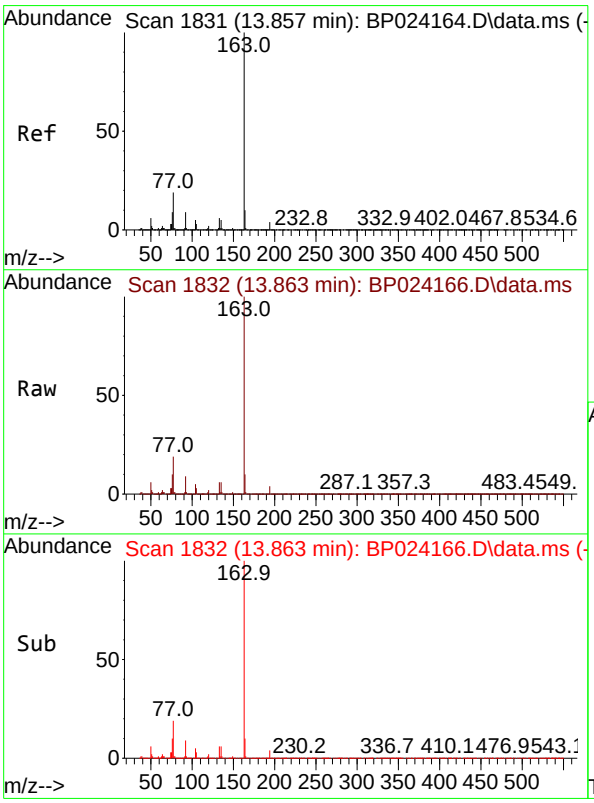

#49
Acenaphthylene
Concen: 62.024 ng
RT: 14.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:152 Resp: 5025011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.2 | 16.0 | 24.0 |
| 153 | 13.1 | 10.6 | 15.8 |

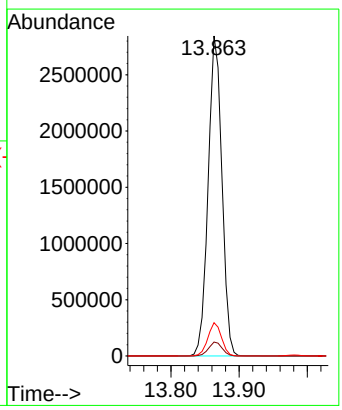


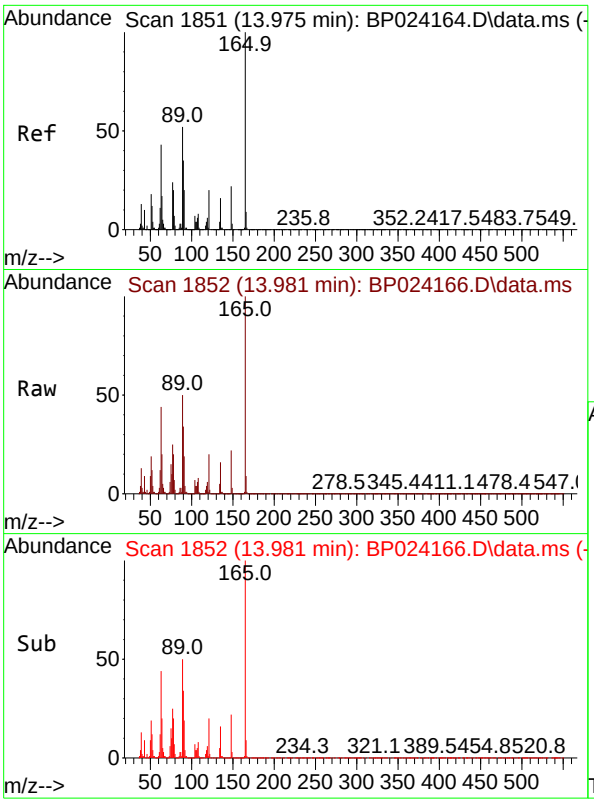




#50
Dimethylphthalate
Concen: 60.542 ng
RT: 13.863 min Scan# 1832
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:163 Resp: 3997694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.4 | 5.0 |
| 164 | 10.4 | 8.2 | 12.4 |



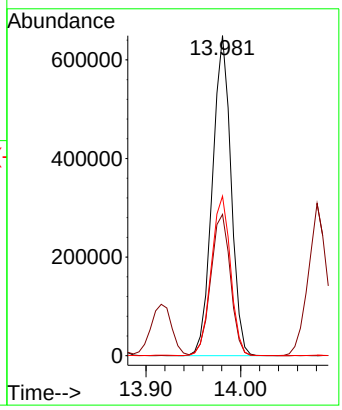


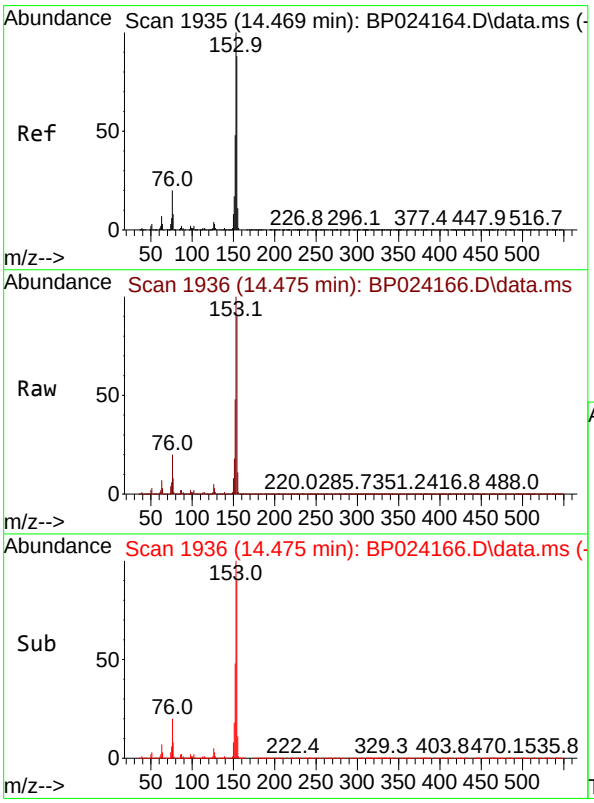

#51
2,6-Dinitrotoluene
Concen: 65.996 ng
RT: 13.981 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:165 Resp: 887706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 44.1 | 37.7 | 56.5 |
| 89 | 49.9 | 41.9 | 62.9 |

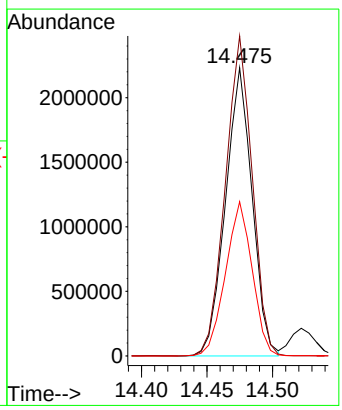


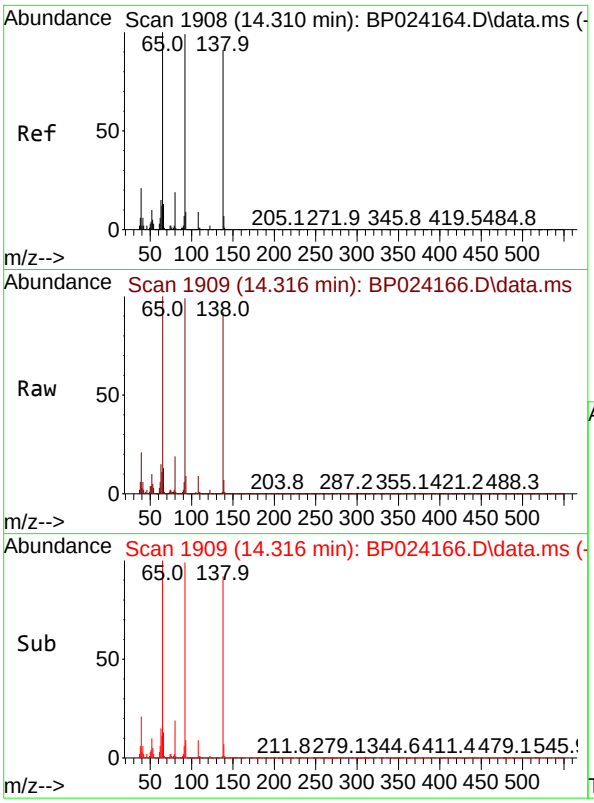




#52
Acenaphthene
Concen: 60.450 ng
RT: 14.475 min Scan# 1936
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:154 Resp: 3153799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.1 | 90.5 | 135.7 |
| 152 | 53.5 | 43.1 | 64.7 |



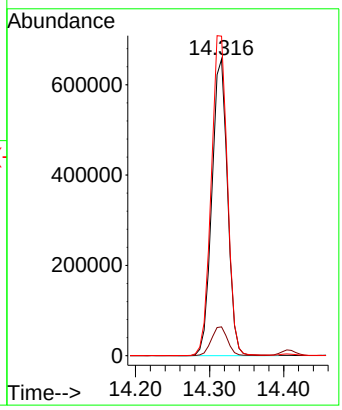


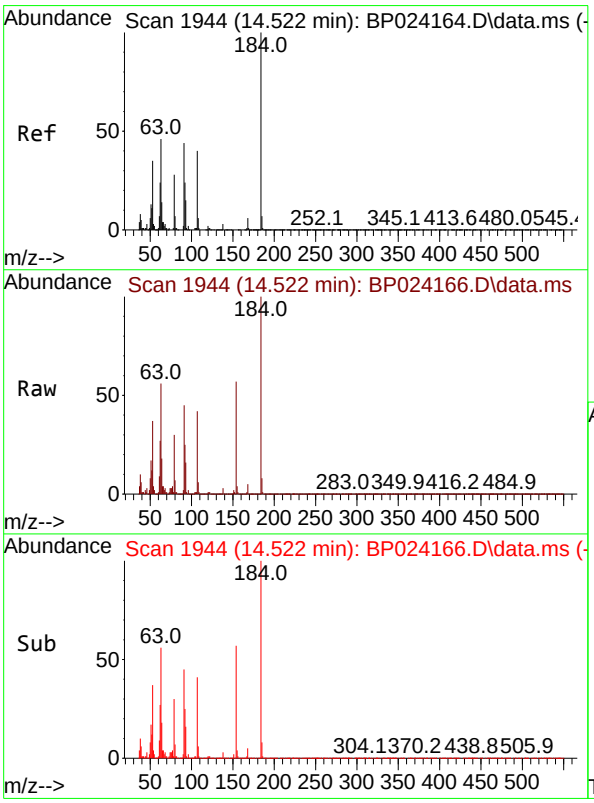

#53
3-Nitroaniline
Concen: 67.123 ng
RT: 14.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:138 Resp: 963434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 9.7 | 8.2 | 12.2 |
| 92 | 107.7 | 86.7 | 130.1 |

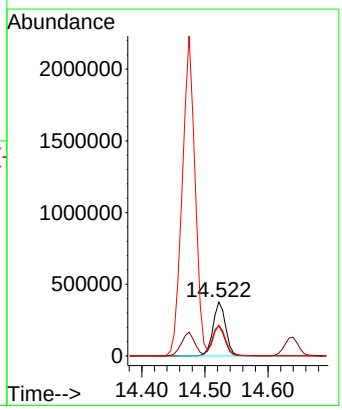


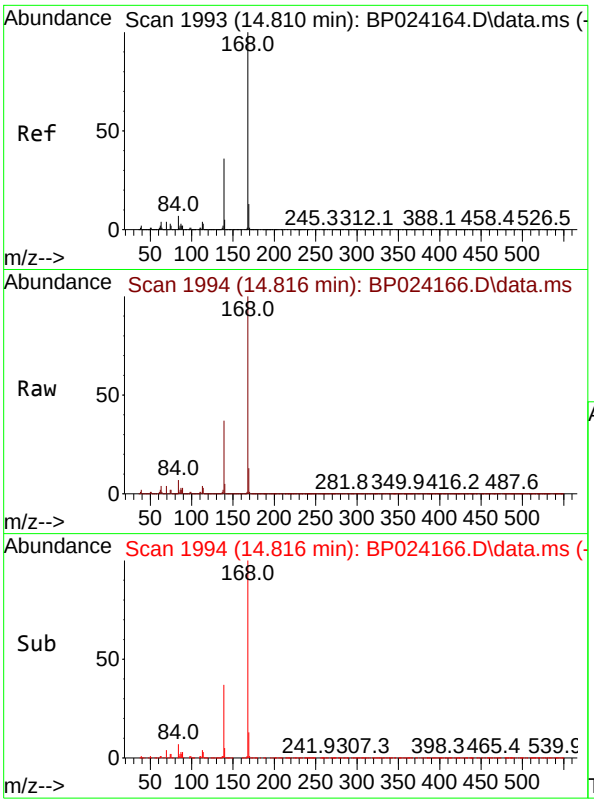




#54
2,4-Dinitrophenol
Concen: 73.093 ng
RT: 14.522 min Scan# 1944
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:184 Resp: 523590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 55.6 | 42.1 | 63.1 |
| 154 | 56.9 | 44.6 | 67.0 |



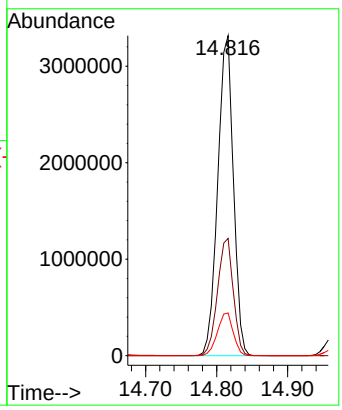


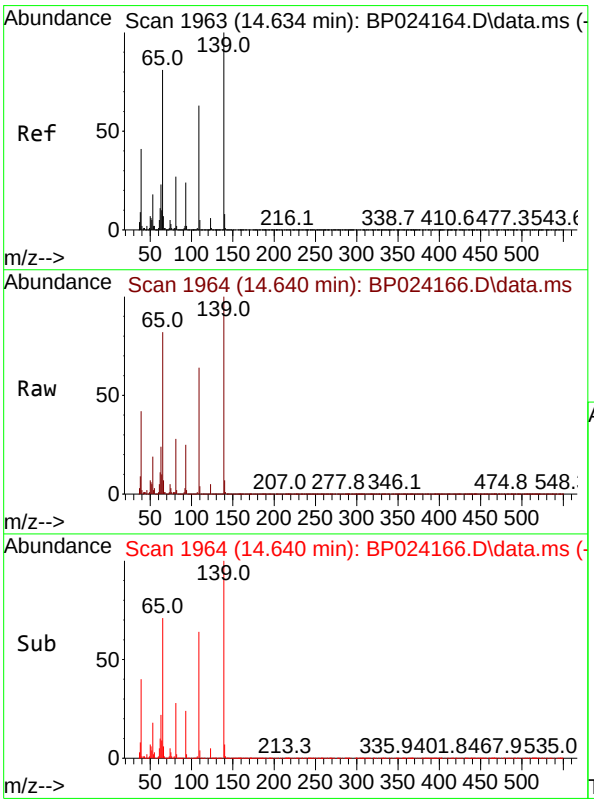

#55
Dibenzofuran
Concen: 59.602 ng
RT: 14.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:168 Resp: 5051493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 36.6 | 29.1 | 43.7 |
| 169 | 13.4 | 10.8 | 16.2 |

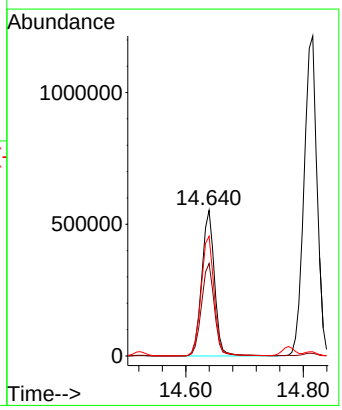


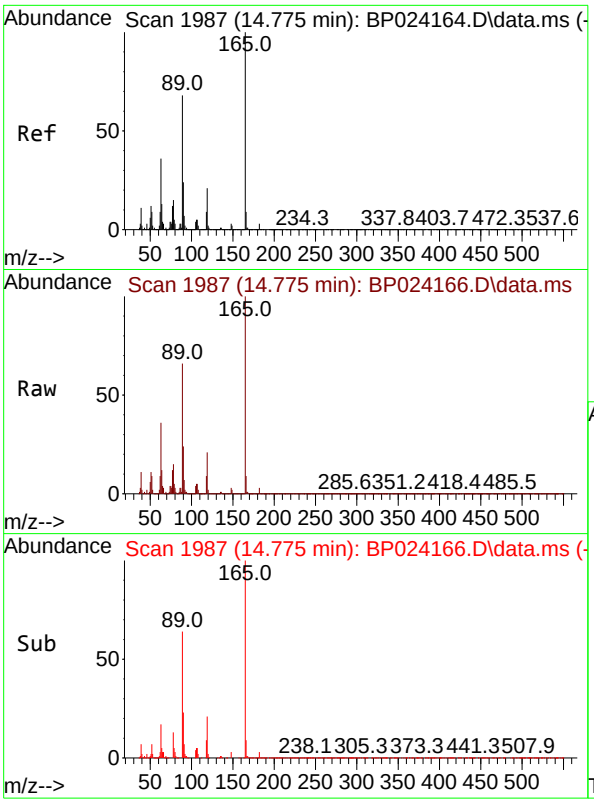




#56
4-Nitrophenol
Concen: 67.086 ng
RT: 14.640 min Scan# 1964
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:139 Resp: 831765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 63.5 | 43.3 | 83.3 |
| 65 | 82.1 | 61.2 | 101.2 |



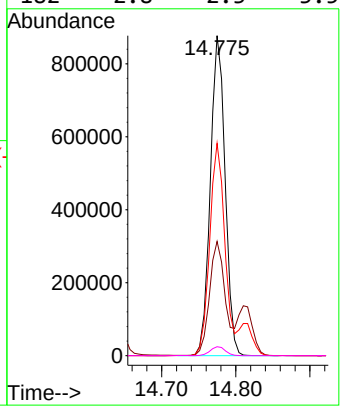


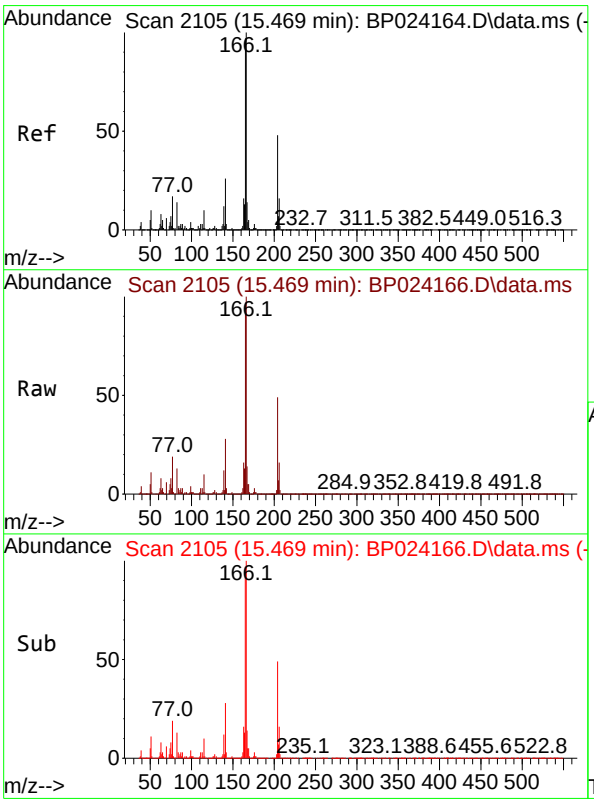

#57
2,4-Dinitrotoluene
Concen: 69.346 ng
RT: 14.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:165 Resp: 1211692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 35.7 | 29.0 | 43.6 |
| 89 | 66.4 | 54.2 | 81.4 |
| 182 | 2.8 | 2.3 | 3.5 |

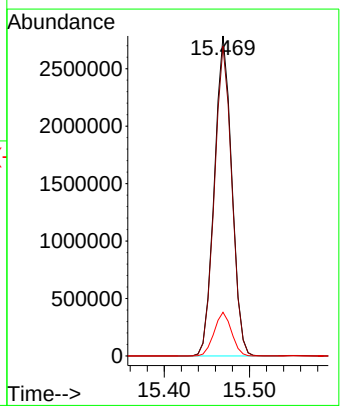


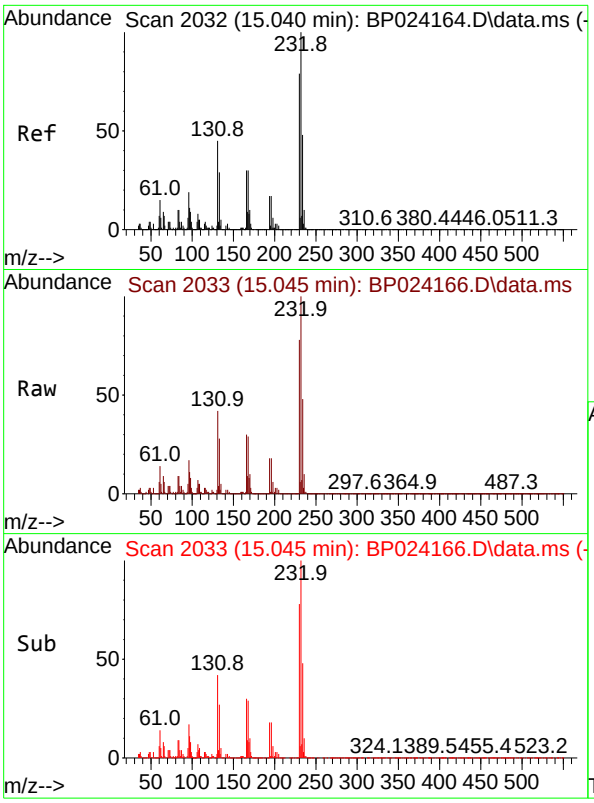




#58
Fluorene
Concen: 59.702 ng
RT: 15.469 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:166 Resp: 3951671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.9 | 77.6 | 116.4 |
| 167 | 13.7 | 10.8 | 16.2 |



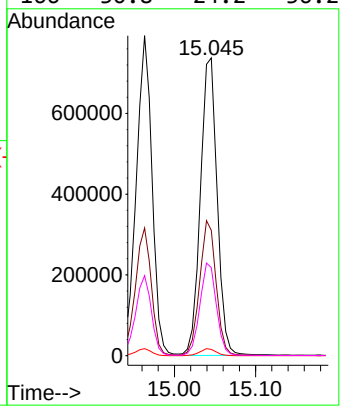


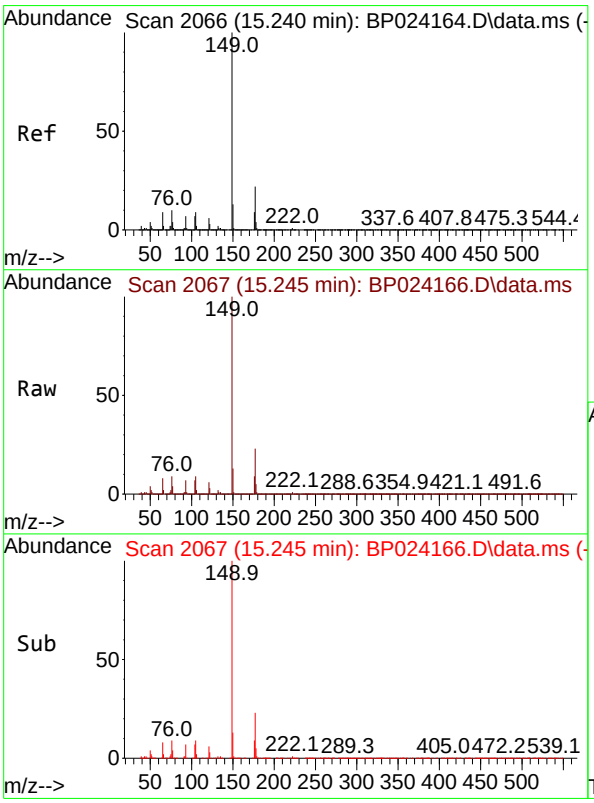

#59
2,3,4,6-Tetrachlorophenol
Concen: 63.439 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:232 Resp: 1055860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 44.7 | 35.9 | 53.9 |
| 130 | 2.3 | 1.8 | 2.6 |
| 166 | 30.8 | 24.2 | 36.2 |

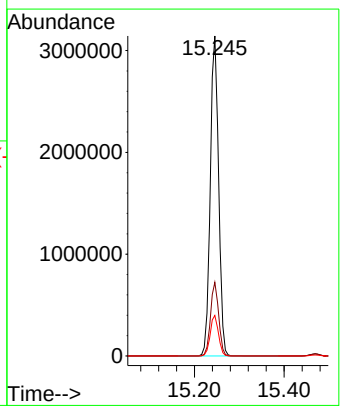


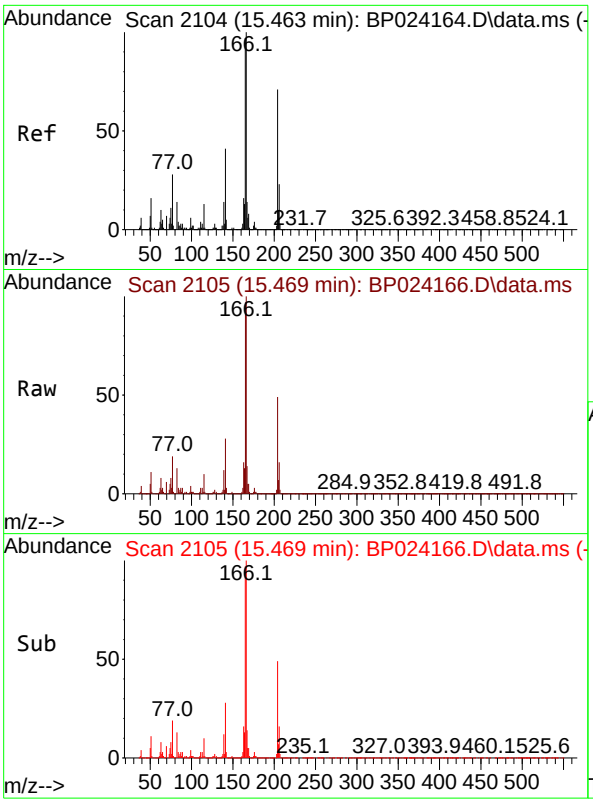




#60
Diethylphthalate
Concen: 61.486 ng
RT: 15.245 min Scan# 2067
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:149 Resp: 4030341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 23.0 | 17.7 | 26.5 |
| 150 | 12.7 | 10.2 | 15.4 |



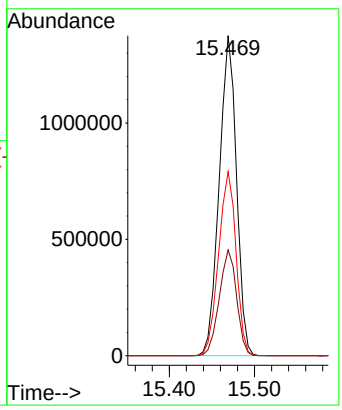


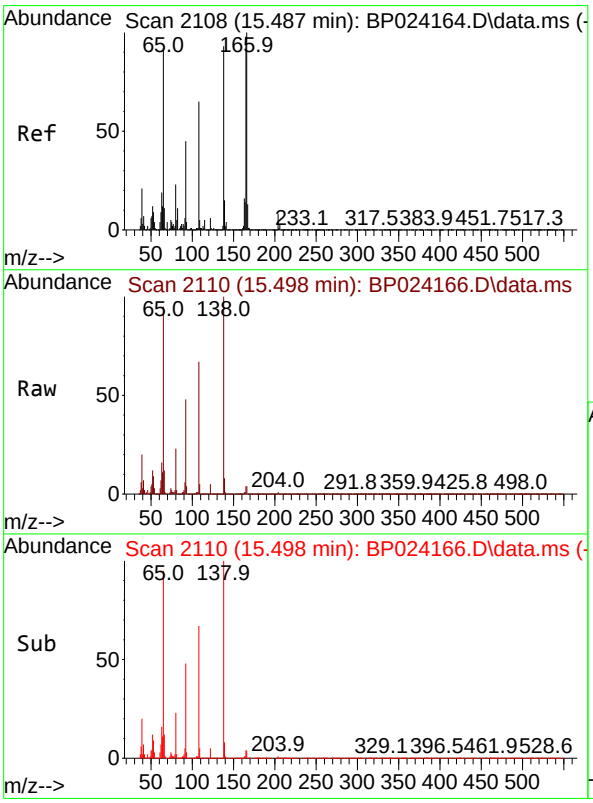

#61
4-Chlorophenyl-phenylether
Concen: 59.370 ng
RT: 15.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:204 Resp: 1934265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.1 | 26.4 | 39.6 |
| 141 | 57.5 | 45.8 | 68.8 |

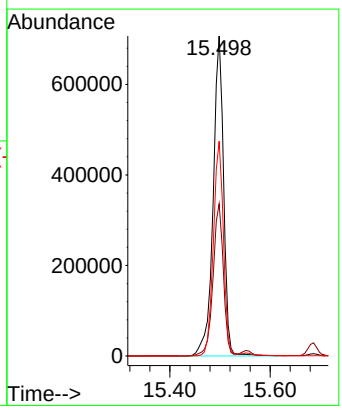


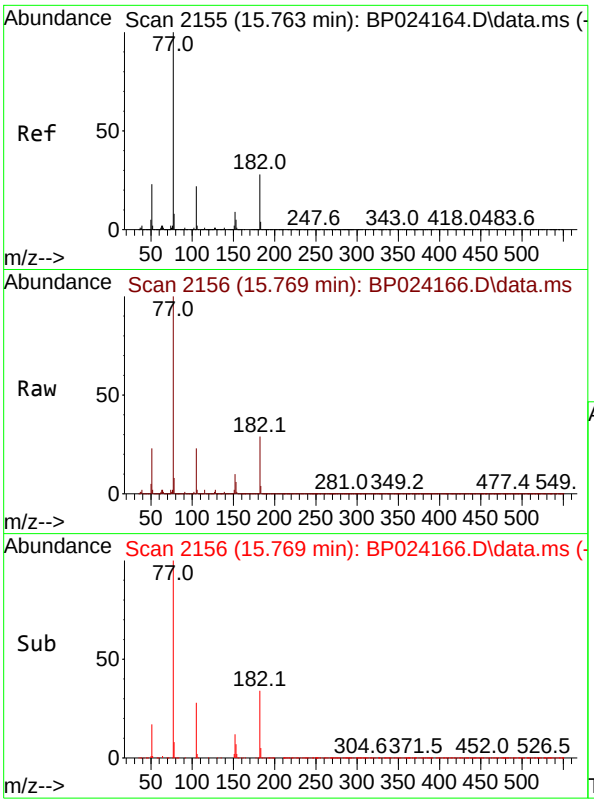




#62
4-Nitroaniline
Concen: 68.824 ng
RT: 15.498 min Scan# 2110
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:138 Resp: 1025149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 47.5 | 28.7 | 68.7 |
| 108 | 67.1 | 49.5 | 89.5 |



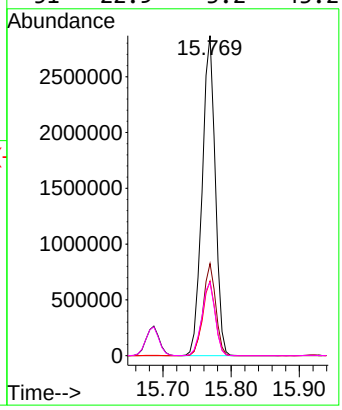


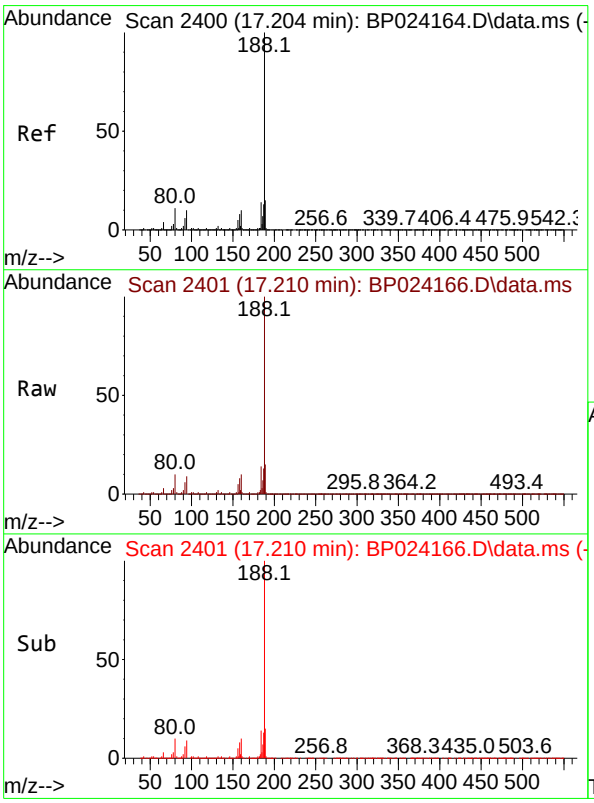

#63
Azobenzene
Concen: 62.340 ng
RT: 15.769 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 77 Resp: 3829148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 28.8 | 7.7 | 47.7 |
| 105 | 23.3 | 2.3 | 42.3 |
| 51 | 22.9 | 3.2 | 43.2 |

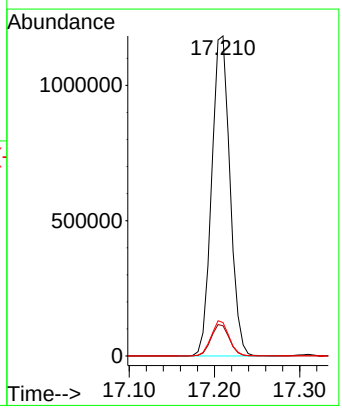


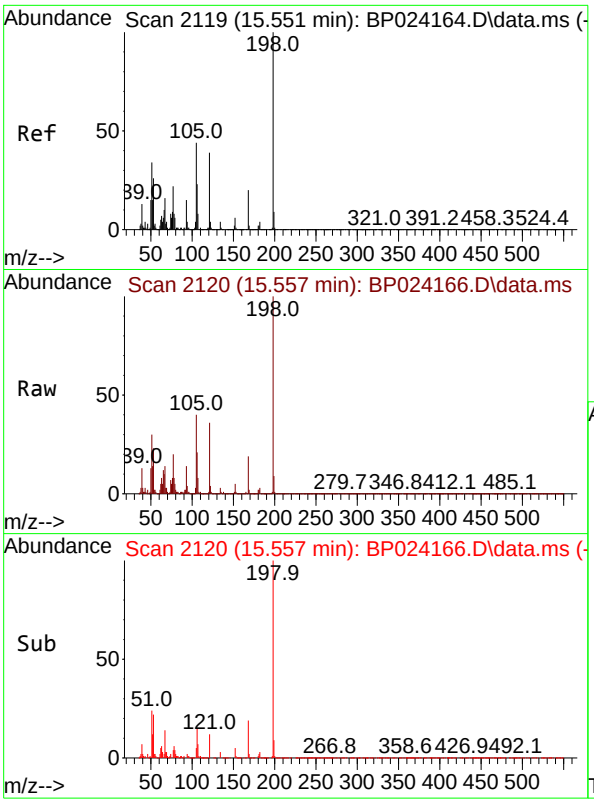




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 2401
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:188 Resp: 1759587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.5 | 8.1 | 12.1 |
| 80 | 10.5 | 8.9 | 13.3 |



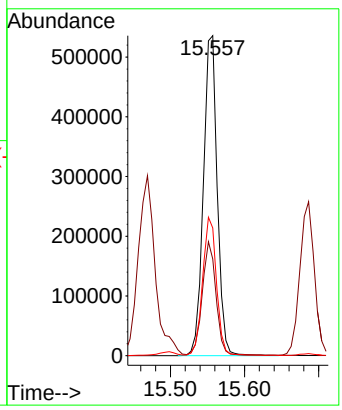


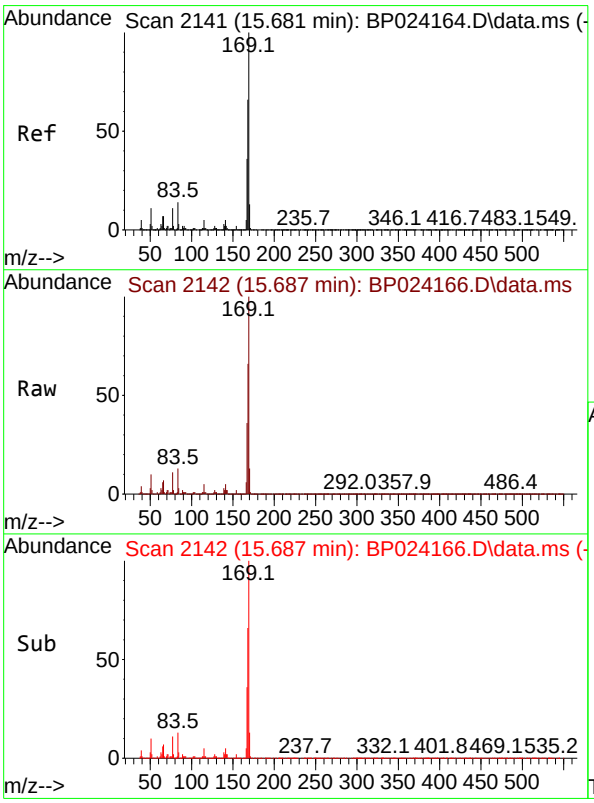

#65
4,6-Dinitro-2-methylphenol
Concen: 68.563 ng
RT: 15.557 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:198 Resp: 698260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 30.2 | 14.7 | 54.7 |
| 105 | 39.9 | 23.8 | 63.8 |

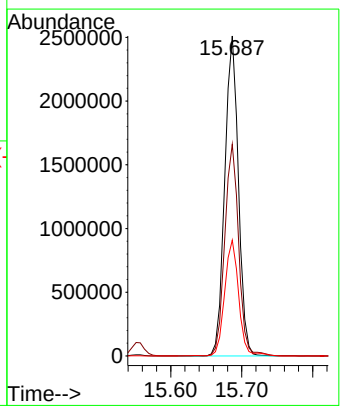


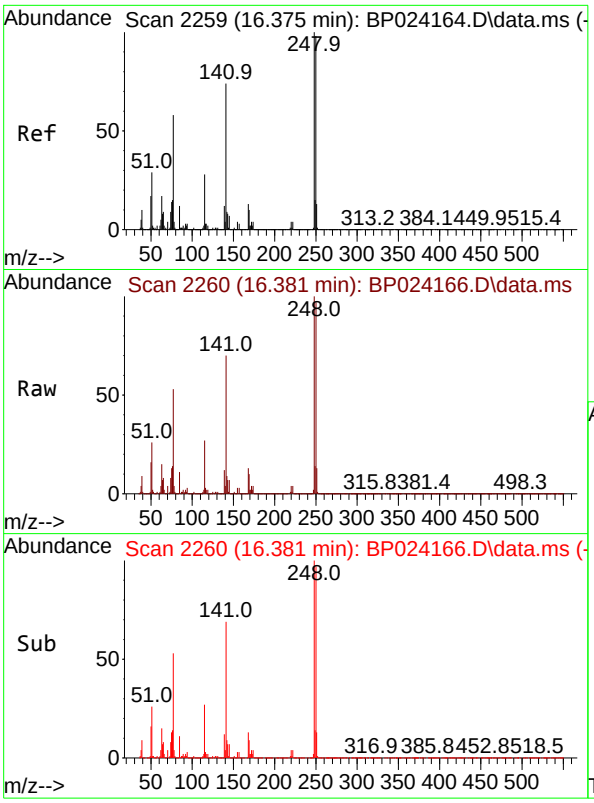




#66
n-Nitrosodiphenylamine
Concen: 60.776 ng
RT: 15.687 min Scan# 2142
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:169 Resp: 3334914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.2 | 52.9 | 79.3 |
| 167 | 36.2 | 28.8 | 43.2 |



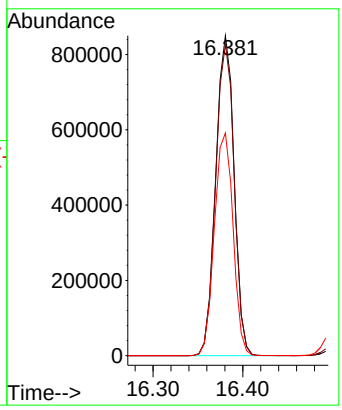


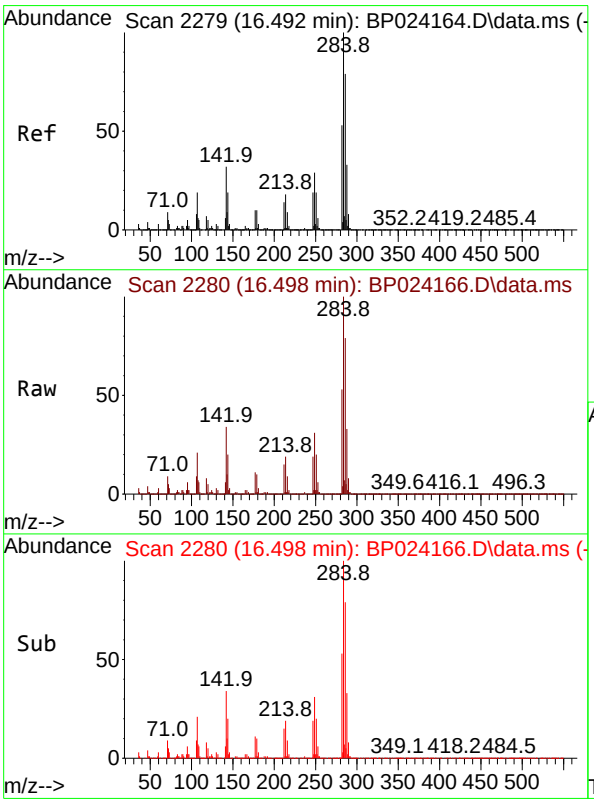

#67
4-Bromophenyl-phenylether
Concen: 61.311 ng
RT: 16.381 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:248 Resp: 1211468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.4 | 78.4 | 117.6 |
| 141 | 69.6 | 59.4 | 89.0 |

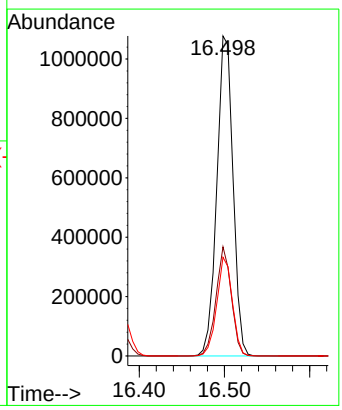


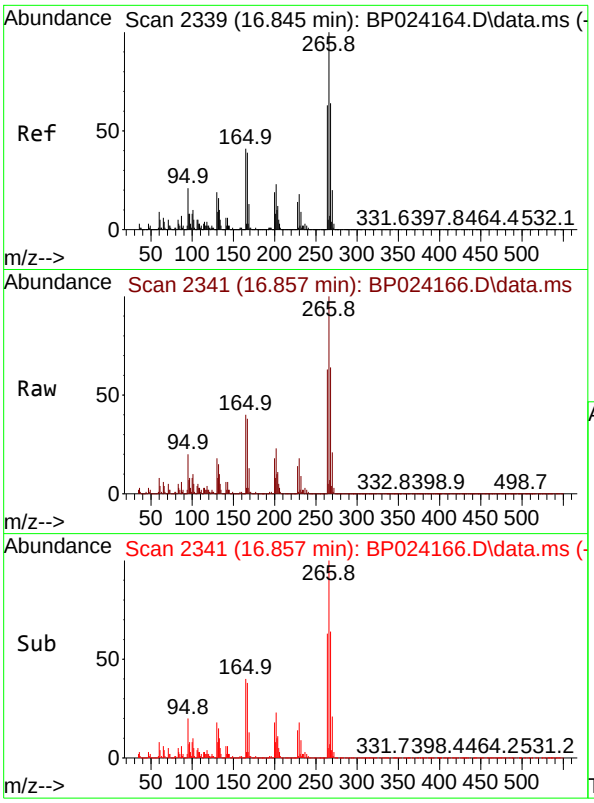




#68
Hexachlorobenzene
Concen: 61.320 ng
RT: 16.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:284 Resp: 1425714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.1 | 25.4 | 38.2 |
| 249 | 30.9 | 23.5 | 35.3 |



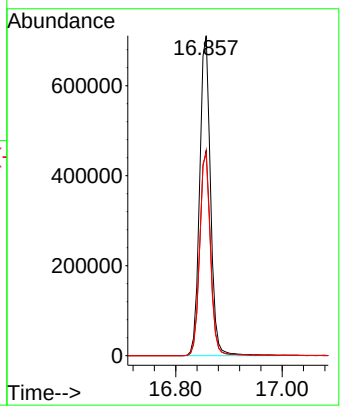


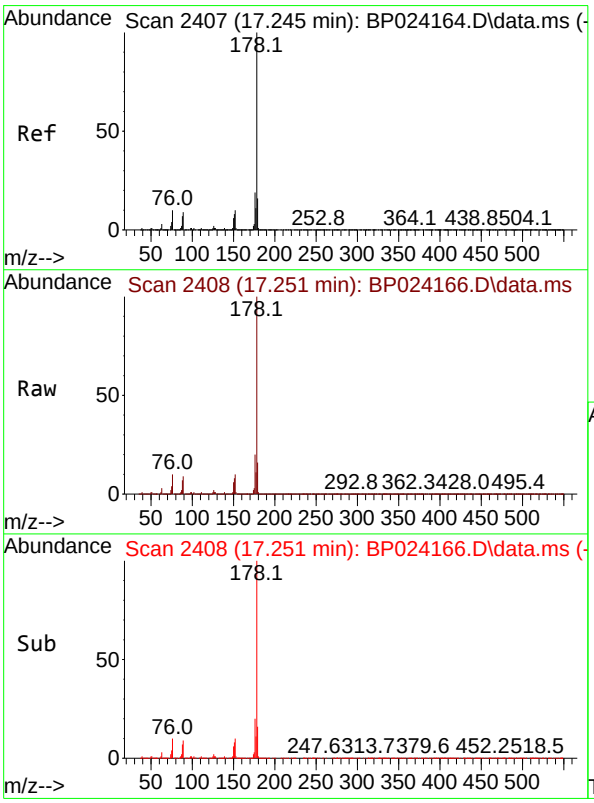

#70
Pentachlorophenol
Concen: 66.402 ng
RT: 16.857 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:266 Resp: 1002726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.2 | 51.3 | 76.9 |
| 264 | 63.1 | 50.6 | 76.0 |

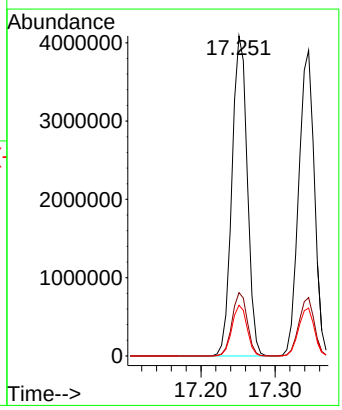


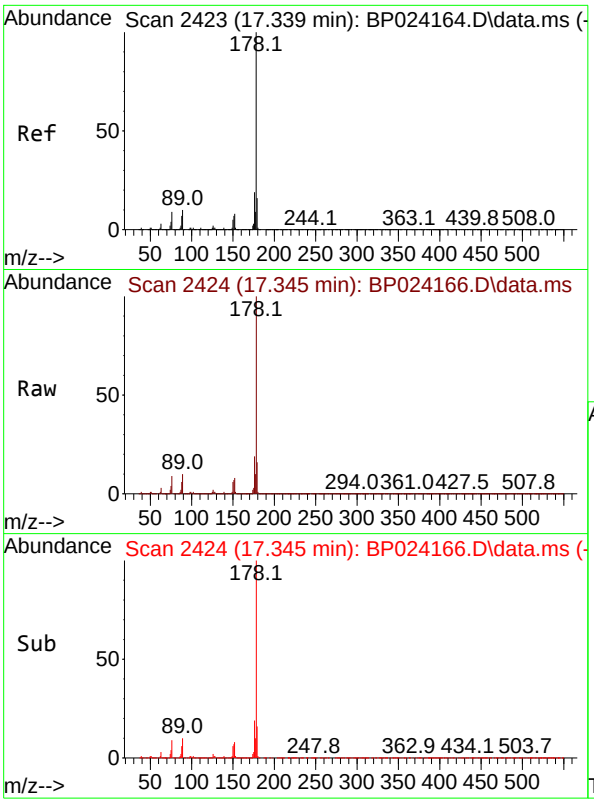




#71
Phenanthrene
Concen: 59.103 ng
RT: 17.251 min Scan# 2408
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:178 Resp: 5863198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.8 | 15.6 | 23.4 |
| 179 | 15.9 | 12.5 | 18.7 |



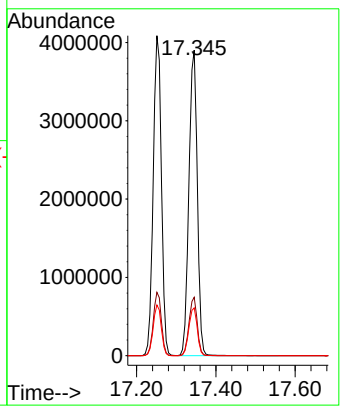


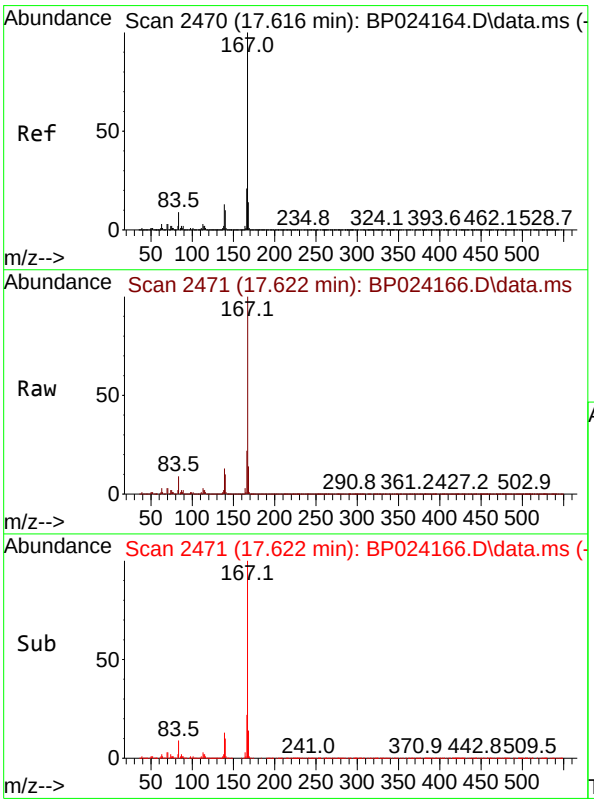

#72
Anthracene
Concen: 60.532 ng
RT: 17.345 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:178 Resp: 5754537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 15.2 | 22.8 |
| 179 | 15.6 | 12.6 | 18.8 |

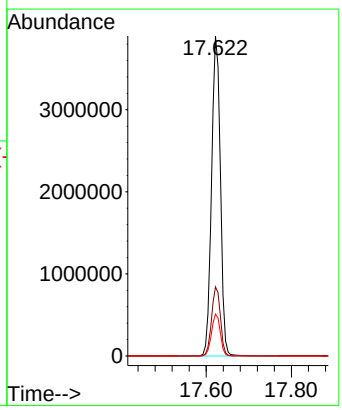


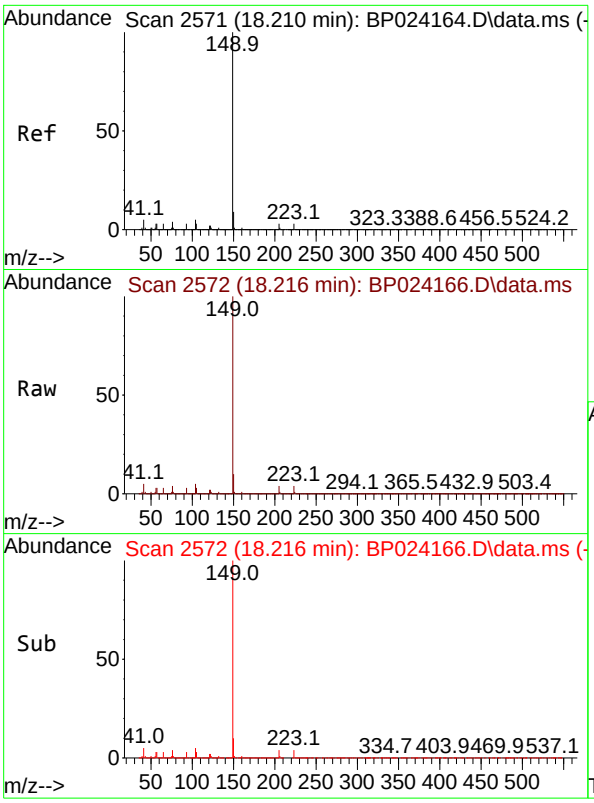




#73
Carbazole
Concen: 61.810 ng
RT: 17.622 min Scan# 2471
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:167 Resp: 5598533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.6 | 17.1 | 25.7 |
| 139 | 13.1 | 10.2 | 15.4 |



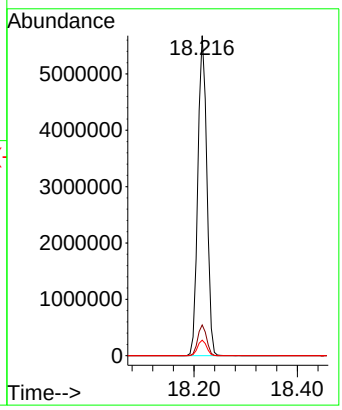


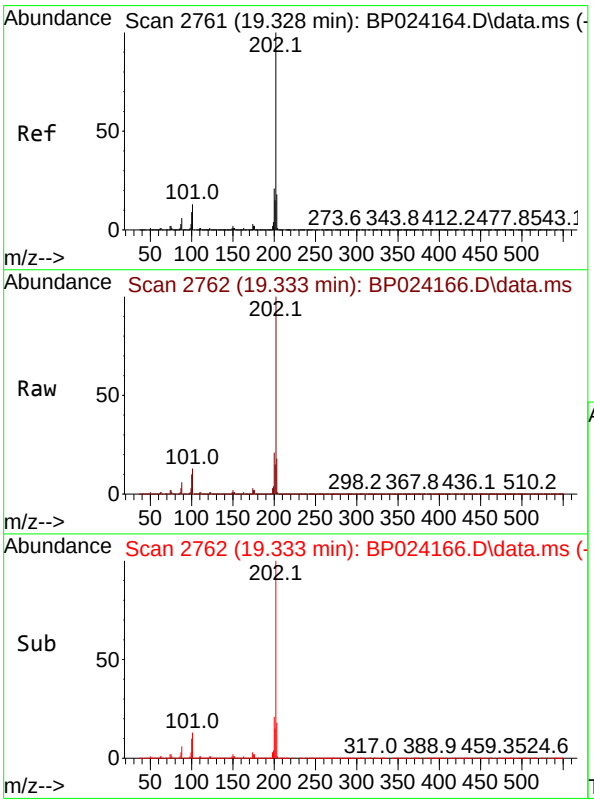

#74
Di-n-butylphthalate
Concen: 64.761 ng
RT: 18.216 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:149 Resp: 6844468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.6 | 7.6 | 11.4 |
| 104 | 4.9 | 3.9 | 5.9 |

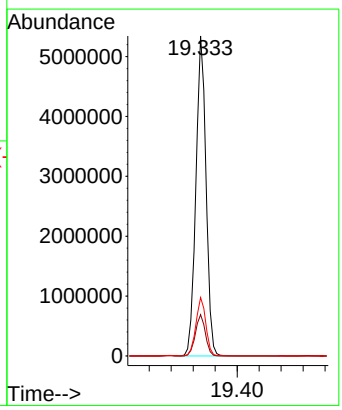


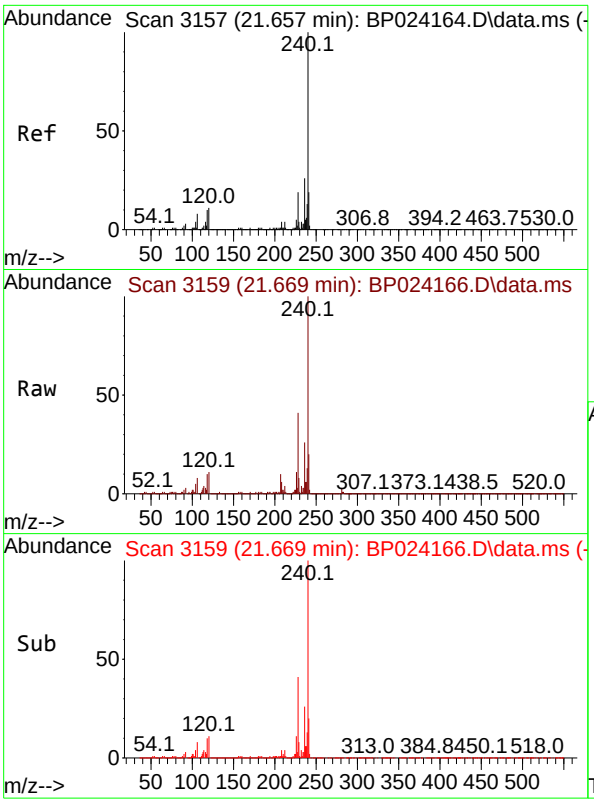




#75
Fluoranthene
Concen: 61.042 ng
RT: 19.333 min Scan# 2762
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:202 Resp: 6849338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.9 | 0.0 | 32.5 |
| 203 | 18.2 | 0.0 | 37.9 |



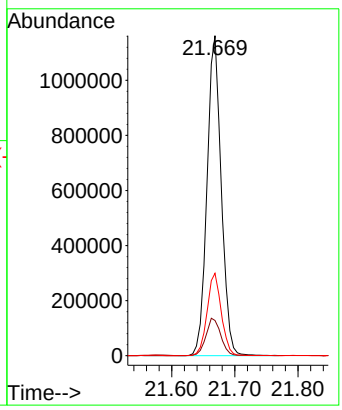


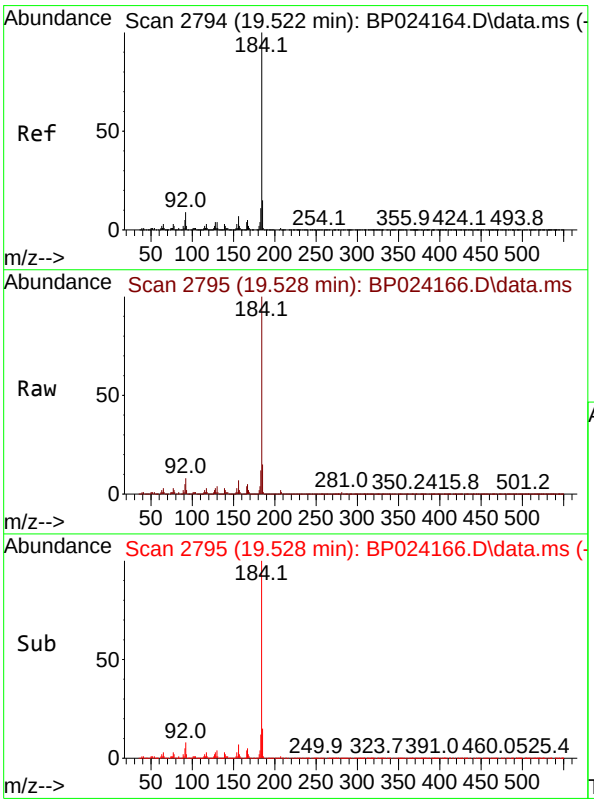

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.669 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:240 Resp: 1817869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.0 | 9.2 | 13.8 |
| 236 | 25.7 | 20.4 | 30.6 |

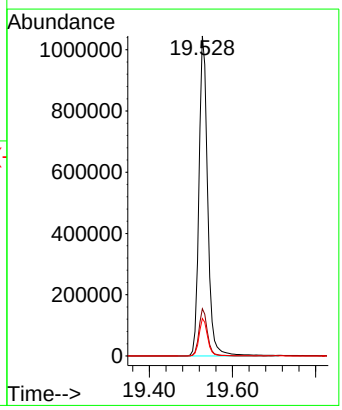


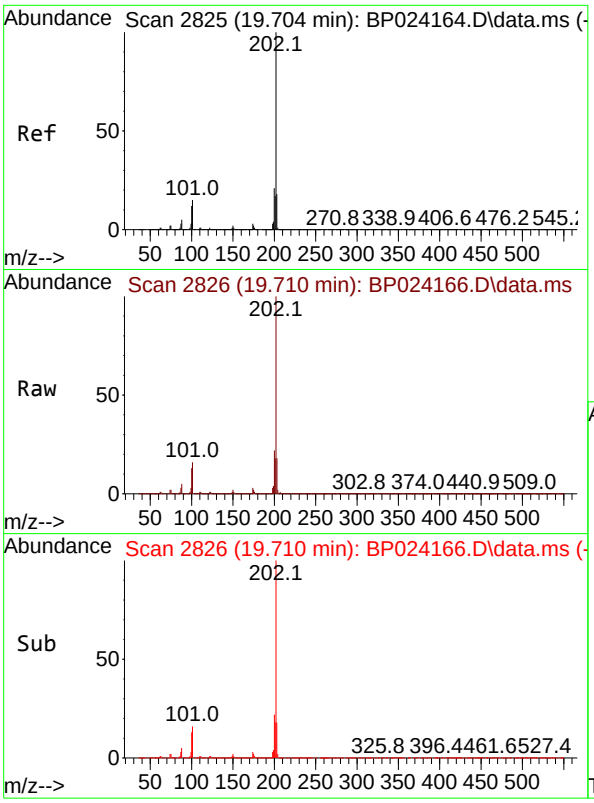




#77
Benzidine
Concen: 68.561 ng
RT: 19.528 min Scan# 2795
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:184 Resp: 1518742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.8 | 11.8 | 17.6 |
| 183 | 11.7 | 9.1 | 13.7 |



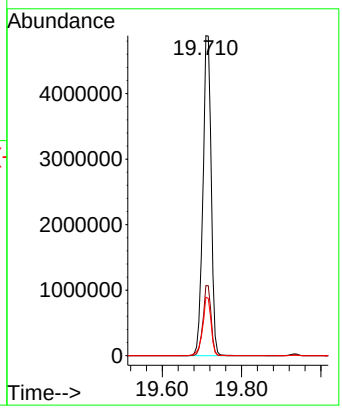


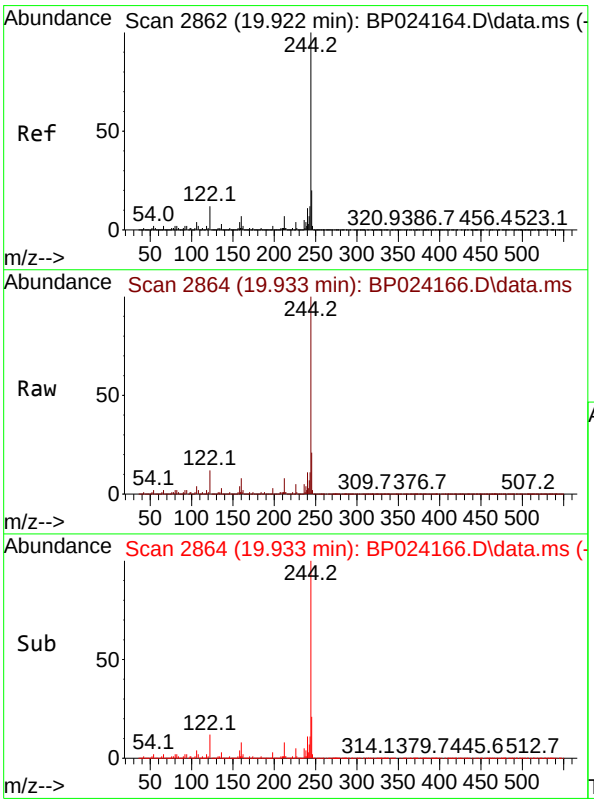

#78
Pyrene
Concen: 61.052 ng
RT: 19.710 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:202 Resp: 7049649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.9 | 17.1 | 25.7 |
| 203 | 18.2 | 14.2 | 21.4 |

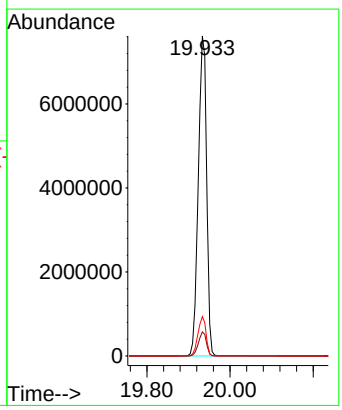


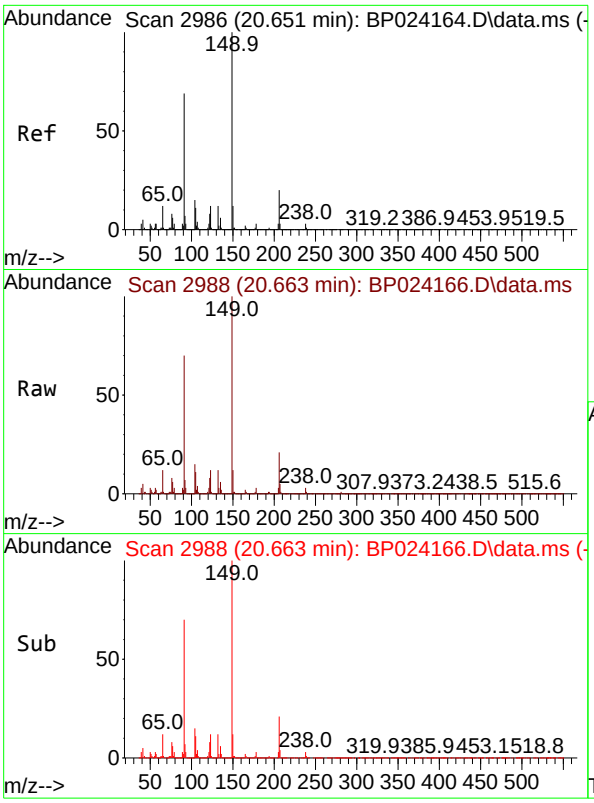




#79
Terphenyl-d14
Concen: 115.330 ng
RT: 19.933 min Scan# 2864
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:244 Resp:10595349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.5 | 5.7 | 8.5 |
| 122 | 12.3 | 9.6 | 14.4 |



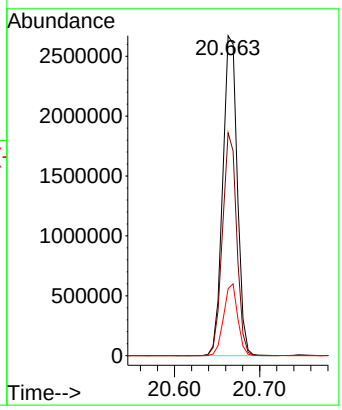


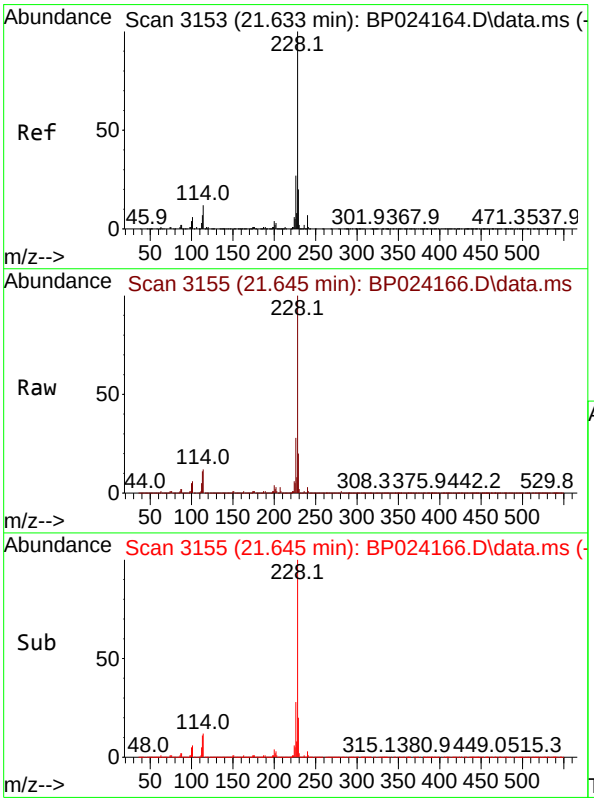

#80
Butylbenzylphthalate
Concen: 71.649 ng
RT: 20.663 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:149 Resp: 3170269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 69.6 | 55.3 | 82.9 |
| 206 | 21.0 | 16.1 | 24.1 |

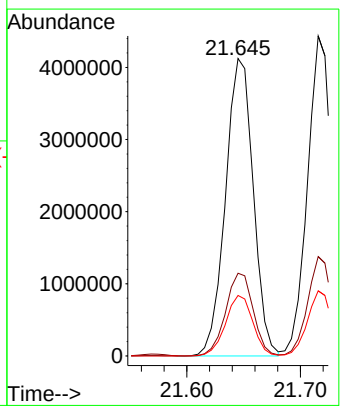


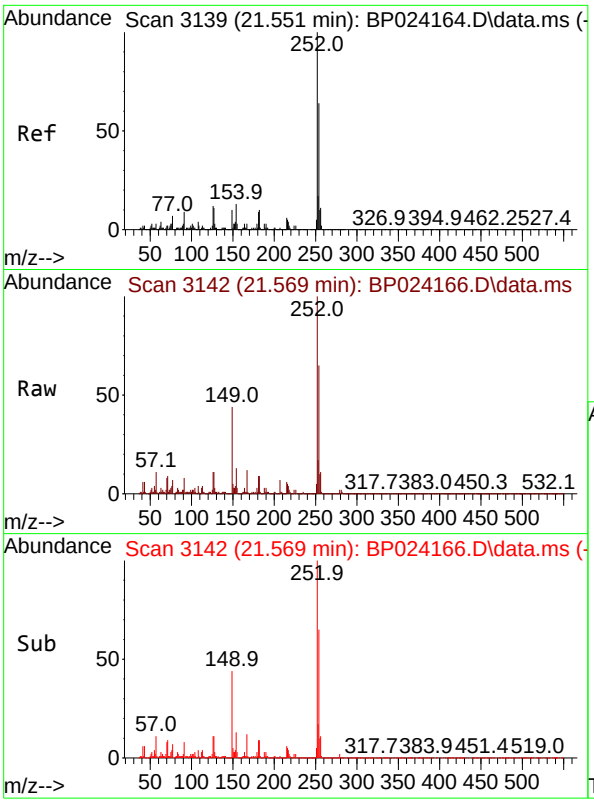




#81
Benzo(a)anthracene
Concen: 61.500 ng
RT: 21.645 min Scan# 3155
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:228 Resp: 7010330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.8 | 21.8 | 32.8 |
| 229 | 20.4 | 16.0 | 24.0 |



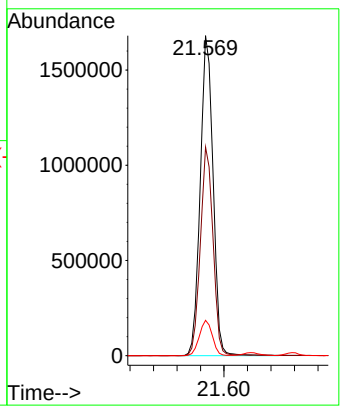


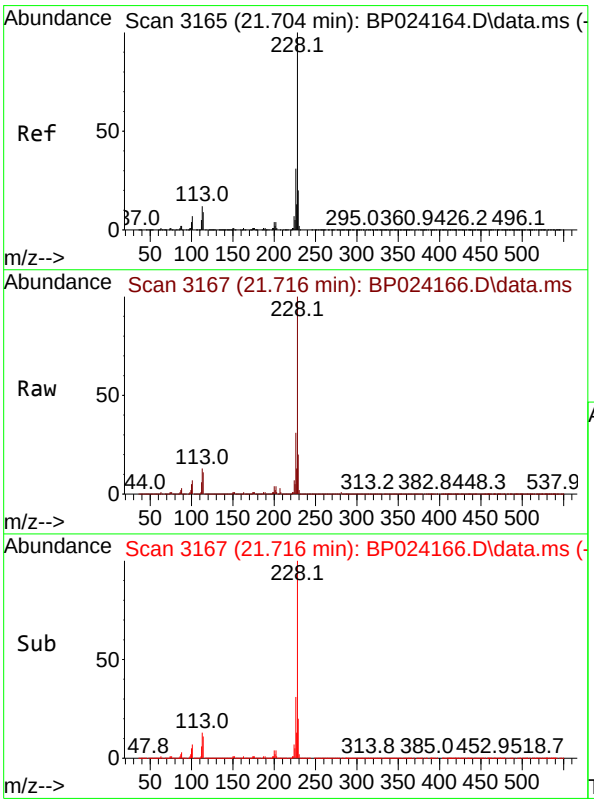

#82
3,3'-Dichlorobenzidine
Concen: 71.531 ng
RT: 21.569 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:252 Resp: 2547922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.2 | 51.4 | 77.2 |
| 126 | 11.1 | 9.3 | 13.9 |

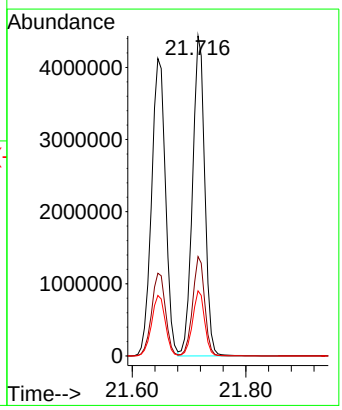


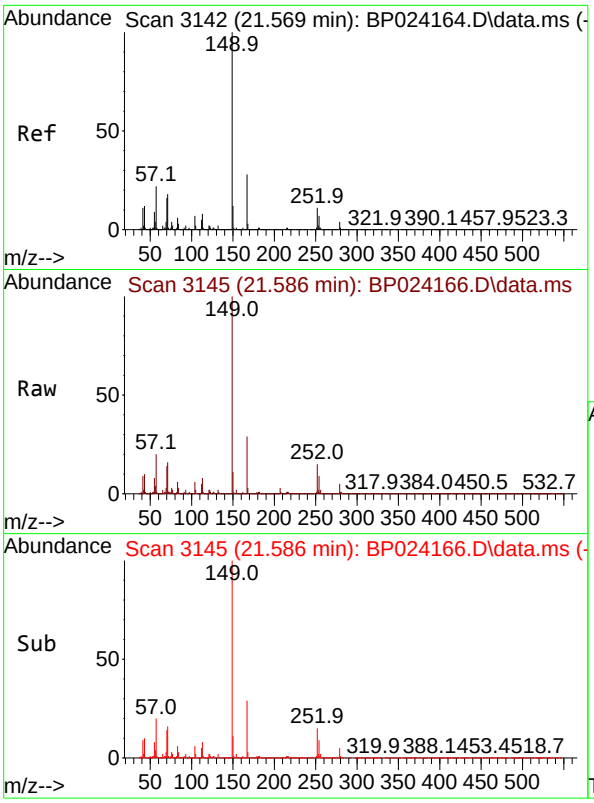




#83
Chrysene
Concen: 60.535 ng
RT: 21.716 min Scan# 3167
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:228 Resp: 6653811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.0 | 24.5 | 36.7 |
| 229 | 20.3 | 16.2 | 24.2 |



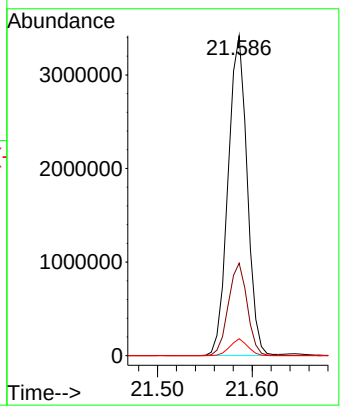


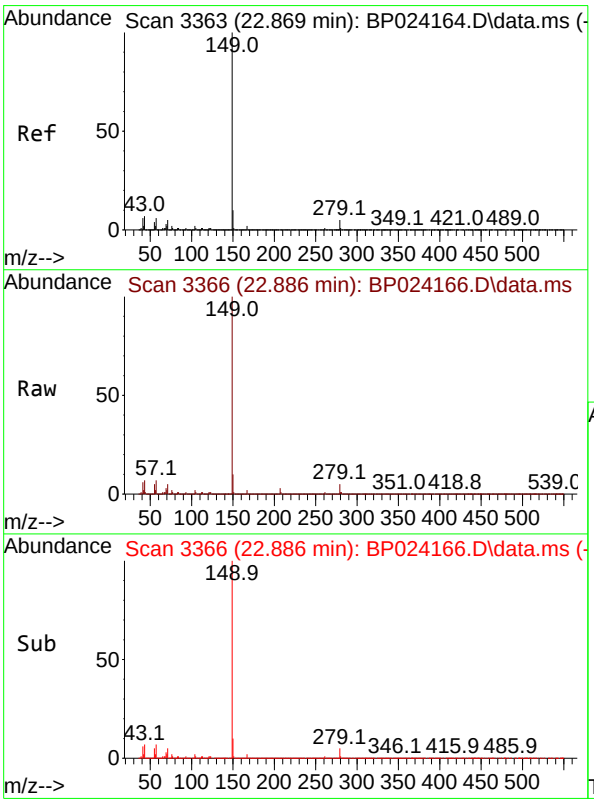

#84
Bis(2-ethylhexyl)phthalate
Concen: 71.363 ng
RT: 21.586 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:149 Resp: 4788368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.9 | 22.5 | 33.7 |
| 279 | 5.3 | 3.6 | 5.4 |

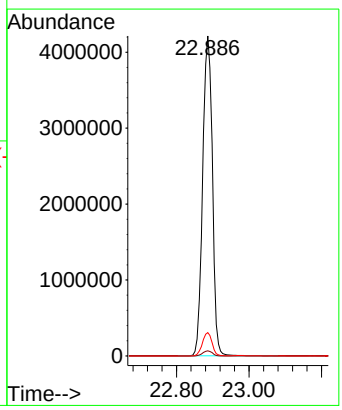


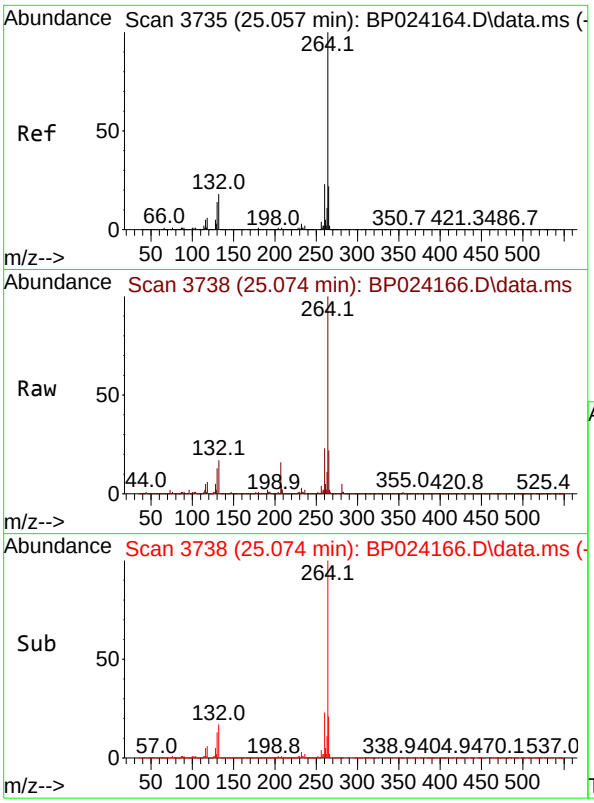




#85
Di-n-octyl phthalate
Concen: 72.964 ng
RT: 22.886 min Scan# 3366
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:149 Resp: 7825427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 7.3 | 5.8 | 8.8 |



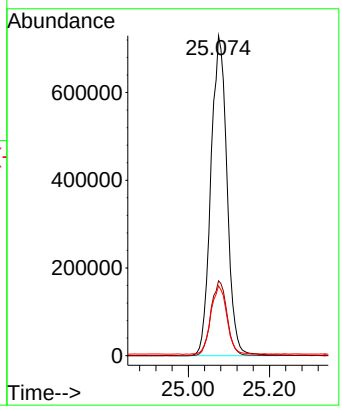


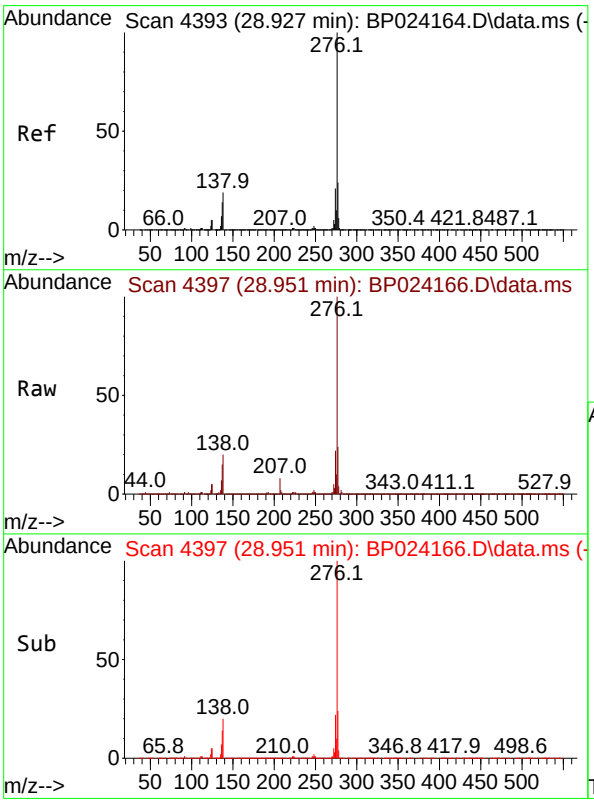

#86
Perylene-d12
Concen: 20.000 ng
RT: 25.074 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:264 Resp: 2003229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 18.5 | 27.7 |
| 265 | 21.8 | 17.7 | 26.5 |

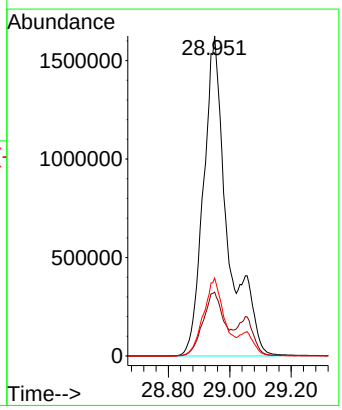


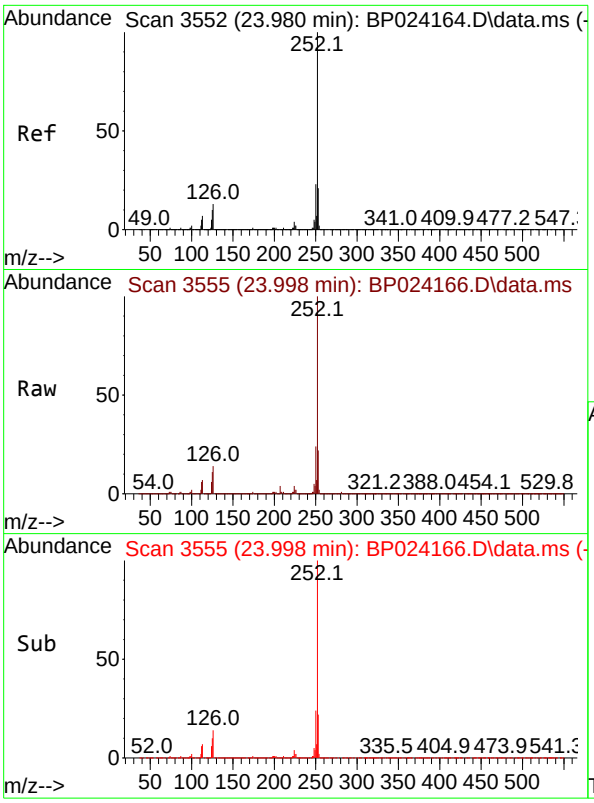




#87
Indeno(1,2,3-cd)pyrene
Concen: 62.364 ng m
RT: 28.951 min Scan# 4397
Delta R.T. 0.023 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:276 Resp: 8887645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 17.7 | 13.7 | 20.5 |
| 277 | 20.7 | 20.2 | 30.2 |



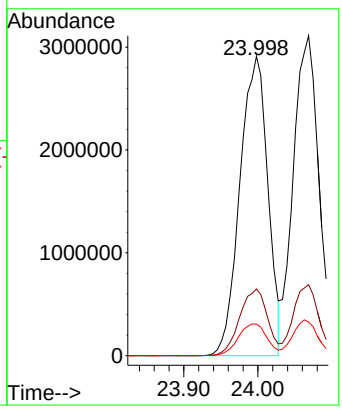


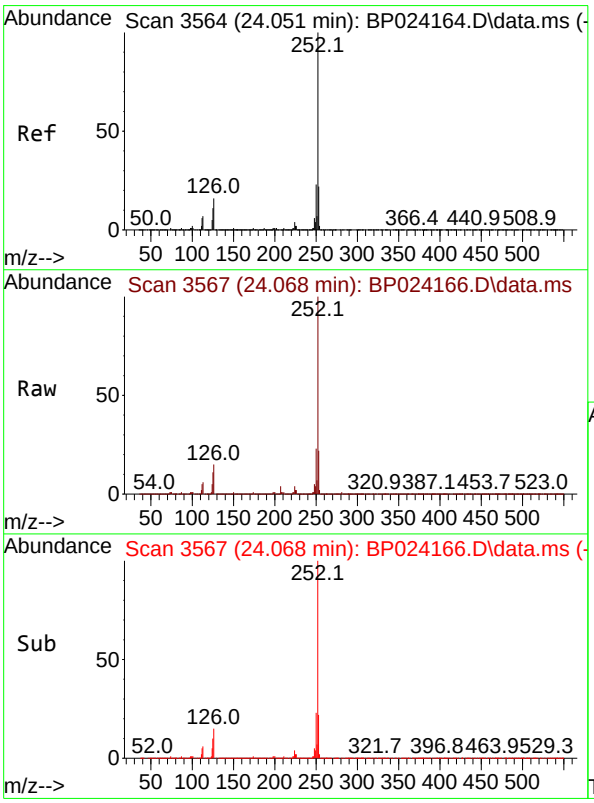

#88
Benzo(b)fluoranthene
Concen: 59.798 ng
RT: 23.998 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:252 Resp: 7606878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.2 | 25.8 |
| 125 | 10.5 | 8.2 | 12.4 |

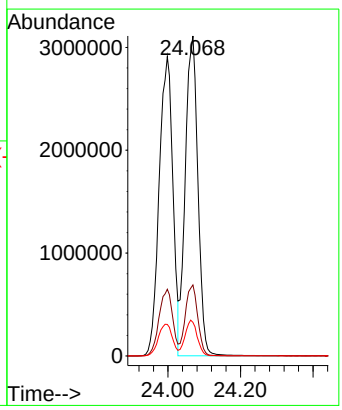


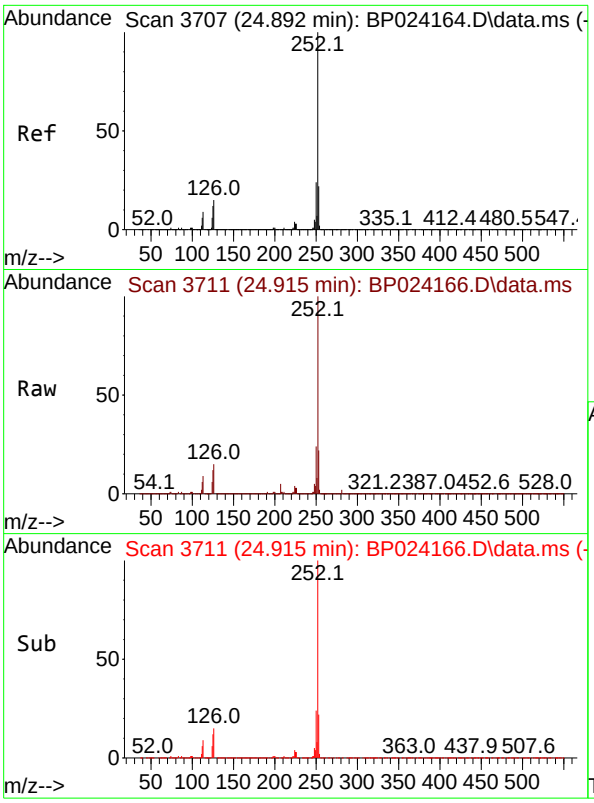




#89
Benzo(k)fluoranthene
Concen: 60.696 ng
RT: 24.068 min Scan# 3567
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:252 Resp: 7515459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.7 | 26.5 |
| 125 | 10.5 | 9.1 | 13.7 |



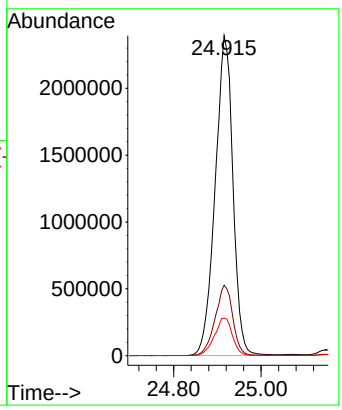


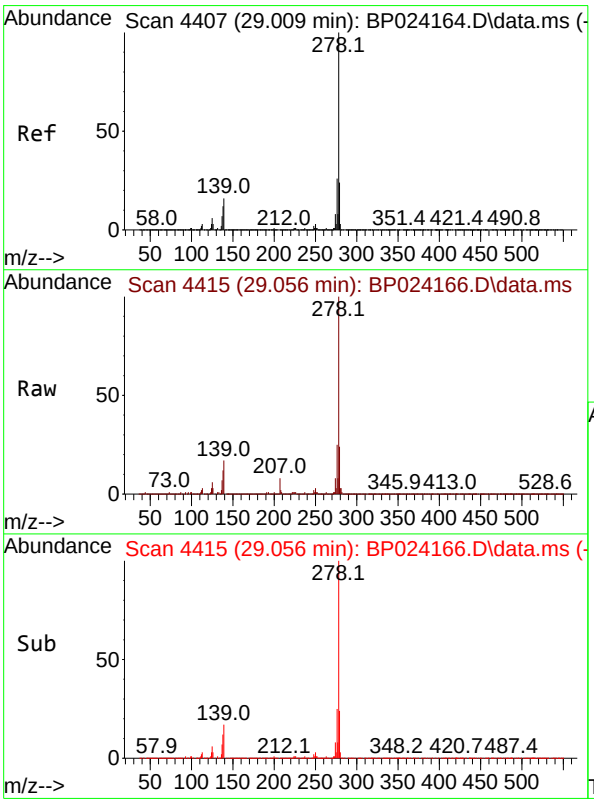

#90
Benzo(a)pyrene
Concen: 62.275 ng
RT: 24.915 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:252 Resp: 6723161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.4 | 26.0 |
| 125 | 11.8 | 9.6 | 14.4 |

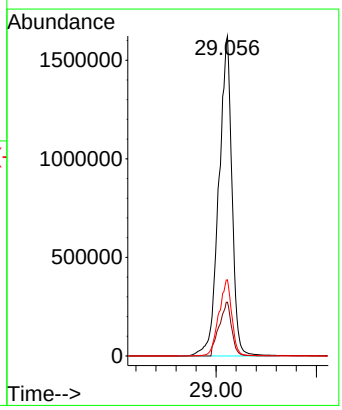


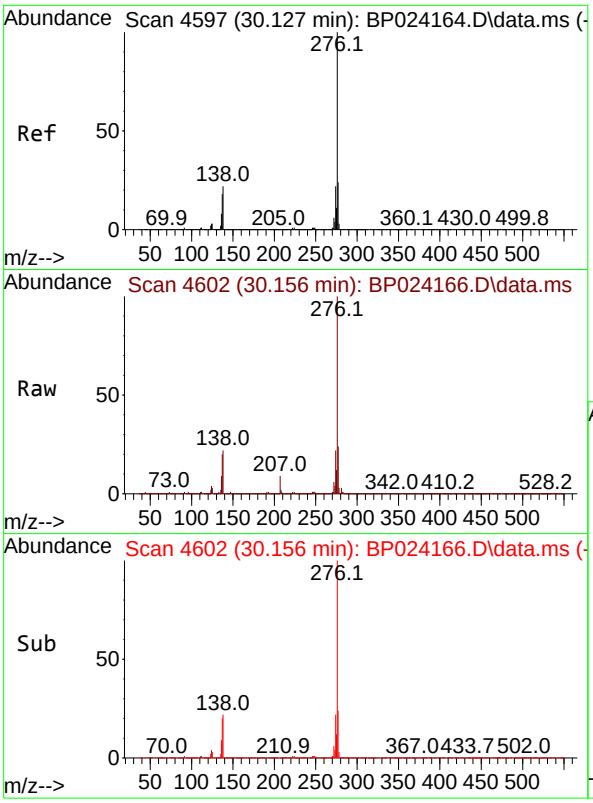




#91
Dibenzo(a,h)anthracene
Concen: 61.510 ng
RT: 29.056 min Scan# 4415
Delta R.T. 0.047 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:278 Resp: 7370514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.8 | 13.0 | 19.4 |
| 279 | 23.8 | 18.8 | 28.2 |



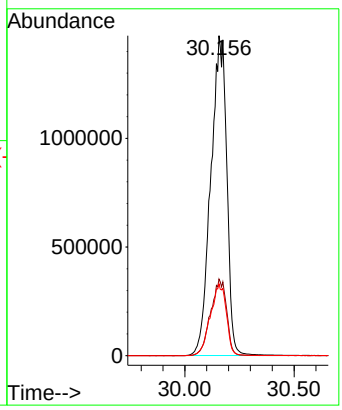



#92
Benzo(g,h,i)perylene
Concen: 61.593 ng
RT: 30.156 min Scan# 4
Delta R.T. 0.029 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:276 Resp: 7489359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.9 | 19.2 | 28.8 |
| 138 | 22.5 | 17.4 | 26.2 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024167.D
Acq On : 12 Mar 2025 21:02
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Quant Time: Mar 13 04:10:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.769 | 152 | 364999 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.551 | 136 | 1468727 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.404 | 164 | 888748 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.210 | 188 | 1690241 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.674 | 240 | 1785678 | 20.000 | ng | | 0.02 |
| 86) Perylene-d12 | 25.080 | 264 | 1974592 | 20.000 | ng | | 0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.381 | 112 | 3803317 | 162.591 | ng | | 0.00 |
| 7) Phenol-d6 | 6.957 | 99 | 5104893 | 169.796 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.922 | 82 | 4314346 | 163.878 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.922 | 330 | 2025211 | 186.035 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.016 | 172 | 9471932 | 148.993 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.939 | 244 | 13193577 | 146.201 | ng | | 0.02 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.317 | 88 | 719424 | 78.401 | ng | | 99 |
| 3) Pyridine | 3.716 | 79 | 2086180m | 87.444 | ng | | |
| 4) n-Nitrosodimethylamine | 3.622 | 42 | 672598 | 79.479 | ng | | 98 |
| 6) Aniline | 7.110 | 93 | 2112268 | 76.717 | ng | | 98 |
| 8) 2-Chlorophenol | 7.346 | 128 | 2039550 | 82.376 | ng | | 99 |
| 9) Benzaldehyde | 6.922 | 77 | 842969 | 61.412 | ng | | 98 |
| 10) Phenol | 6.987 | 94 | 2556863 | 84.573 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.199 | 93 | 1979282 | 83.121 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 7.663 | 146 | 2110081 | 77.577 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.810 | 146 | 2159502 | 78.507 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.122 | 146 | 2060216 | 78.042 | ng | | 99 |
| 15) Benzyl Alcohol | 8.010 | 79 | 1663098 | 90.370 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.299 | 45 | 1950889 | 84.398 | ng | | 99 |
| 17) 2-Methylphenol | 8.216 | 107 | 1619006 | 87.877 | ng | | 99 |
| 18) Hexachloroethane | 8.846 | 117 | 773060 | 78.037 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.575 | 70 | 1455297 | 90.027 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.546 | 107 | 2240243 | 89.384 | ng | | 98 |
| 22) Acetophenone | 8.587 | 105 | 3007941 | 79.697 | ng | # | 99 |
| 24) Nitrobenzene | 8.969 | 77 | 2118548 | 81.768 | ng | | 98 |
| 25) Isophorone | 9.493 | 82 | 3813082 | 88.570 | ng | | 98 |
| 26) 2-Nitrophenol | 9.669 | 139 | 1129770 | 94.646 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.734 | 122 | 1361694 | 86.904 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 9.963 | 93 | 2576867 | 82.625 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.204 | 162 | 1875825 | 87.724 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.416 | 180 | 1946046 | 79.431 | ng | | 99 |
| 31) Naphthalene | 10.604 | 128 | 6278869 | 79.507 | ng | | 100 |
| 33) 4-Chloroaniline | 10.716 | 127 | 2336710 | 83.990 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.887 | 225 | 1124081 | 79.213 | ng | | 99 |
| 35) Caprolactam | 11.528 | 113 | 654999 | 101.156 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 11.845 | 107 | 2042687 | 92.924 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.210 | 142 | 4316966 | 82.244 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.434 | 142 | 4227550 | 82.791 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.581 | 216 | 2120251 | 77.644 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.563 | 237 | 788854 | 77.633 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.822 | 196 | 1443797 | 86.697 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 12.904 | 196 | 1575527 | 86.506 | ng | | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024167.D
Acq On : 12 Mar 2025 21:02
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Quant Time: Mar 13 04:10:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

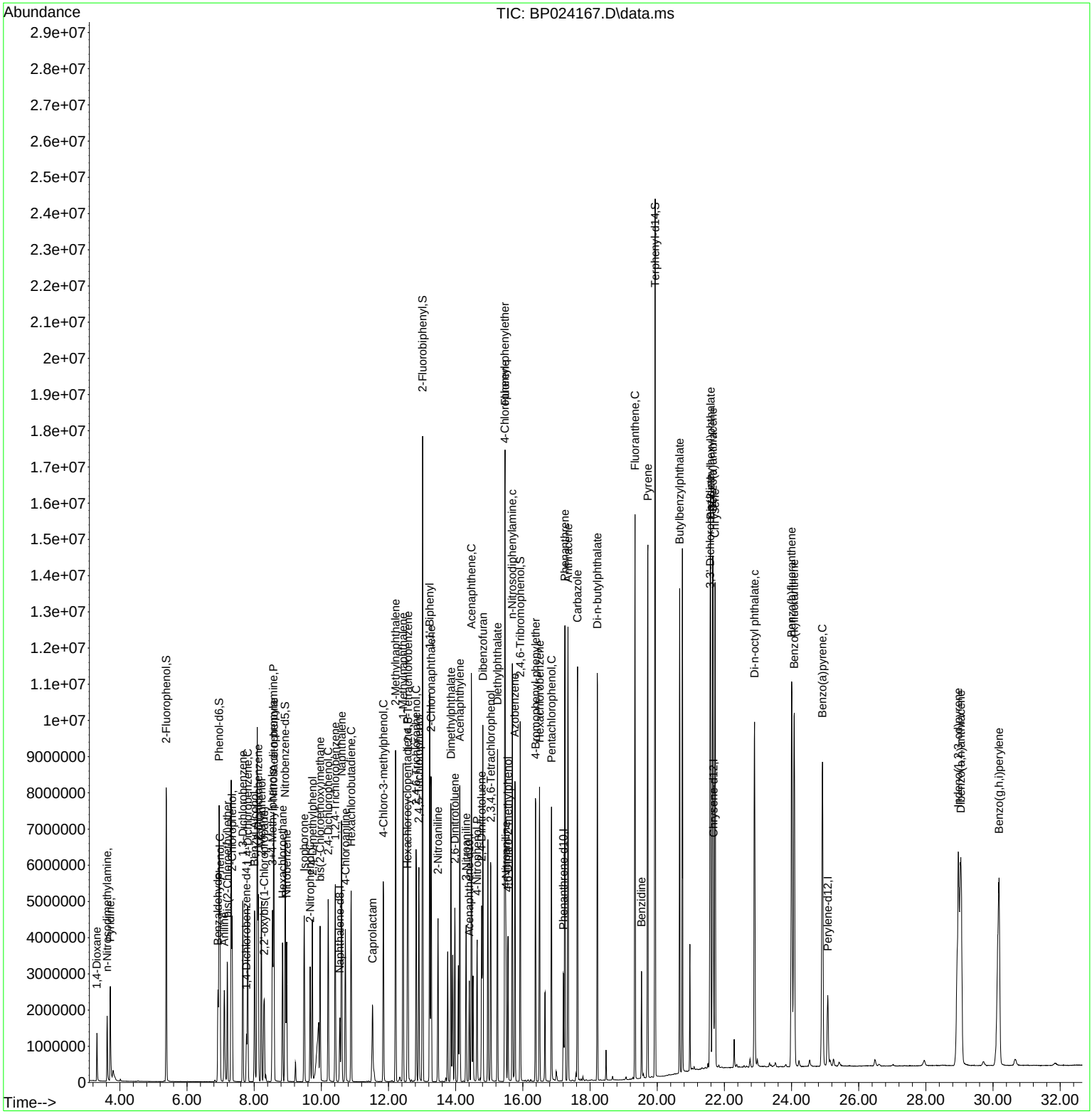
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 46) 1,1'-Biphenyl | 13.228 | 154 | 5406424 | 78.284 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.269 | 162 | 4094698 | 78.432 | ng | | 100 |
| 48) 2-Nitroaniline | 13.475 | 65 | 1150637 | 93.303 | ng | | 98 |
| 49) Acenaphthylene | 14.122 | 152 | 6343598 | 82.473 | ng | | 99 |
| 50) Dimethylphthalate | 13.857 | 163 | 5115780 | 81.603 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.975 | 165 | 1146015 | 89.740 | ng | | 97 |
| 52) Acenaphthene | 14.469 | 154 | 3985981 | 80.473 | ng | | 99 |
| 53) 3-Nitroaniline | 14.310 | 138 | 1277036 | 93.713 | ng | | 98 |
| 55) Dibenzofuran | 14.810 | 168 | 6287848 | 78.144 | ng | | 99 |
| 56) 4-Nitrophenol | 14.639 | 139 | 1110260 | 94.320 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 14.775 | 165 | 1584658 | 95.524 | ng | | 97 |
| 58) Fluorene | 15.469 | 166 | 4983161 | 79.298 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.045 | 232 | 1371535 | 86.797 | ng | | 100 |
| 60) Diethylphthalate | 15.245 | 149 | 5221159 | 83.898 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.463 | 204 | 2453010 | 79.305 | ng | | 99 |
| 62) 4-Nitroaniline | 15.498 | 138 | 1346814 | 95.238 | ng | | 95 |
| 63) Azobenzene | 15.763 | 77 | 4851665 | 83.196 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.557 | 198 | 924643 | 94.517 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.686 | 169 | 4231796 | 80.285 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.381 | 248 | 1565037 | 82.455 | ng | | 94 |
| 68) Hexachlorobenzene | 16.498 | 284 | 1841149 | 82.437 | ng | | 99 |
| 70) Pentachlorophenol | 16.851 | 266 | 1334567 | 92.003 | ng | | 100 |
| 71) Phenanthrene | 17.251 | 178 | 7450840 | 78.188 | ng | | 99 |
| 72) Anthracene | 17.345 | 178 | 7420971 | 81.264 | ng | | 99 |
| 73) Carbazole | 17.628 | 167 | 7209600 | 82.862 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.216 | 149 | 8819030 | 86.868 | ng | | 99 |
| 75) Fluoranthene | 19.339 | 202 | 8868502 | 82.280 | ng | | 99 |
| 77) Benzidine | 19.533 | 184 | 1583965 | 72.794 | ng | | 100 |
| 78) Pyrene | 19.722 | 202 | 9100075 | 80.230 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.669 | 149 | 4117551 | 94.735 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.657 | 228 | 9075269 | 81.050 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.574 | 252 | 3216378 | 91.925 | ng | | 99 |
| 83) Chrysene | 21.721 | 228 | 8635685 | 79.981 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.592 | 149 | 6077881 | 92.215 | ng | # | 98 |
| 85) Di-n-octyl phthalate | 22.898 | 149 | 10239008 | 97.189 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.962 | 276 | 11842118 | 84.301 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 24.004 | 252 | 9984031 | 79.623 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 24.080 | 252 | 9728938 | 79.712 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.921 | 252 | 8860063 | 83.259 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 29.039 | 278 | 9828241 | 83.210 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 30.180 | 276 | 9940803 | 82.940 | ng | | 98 |

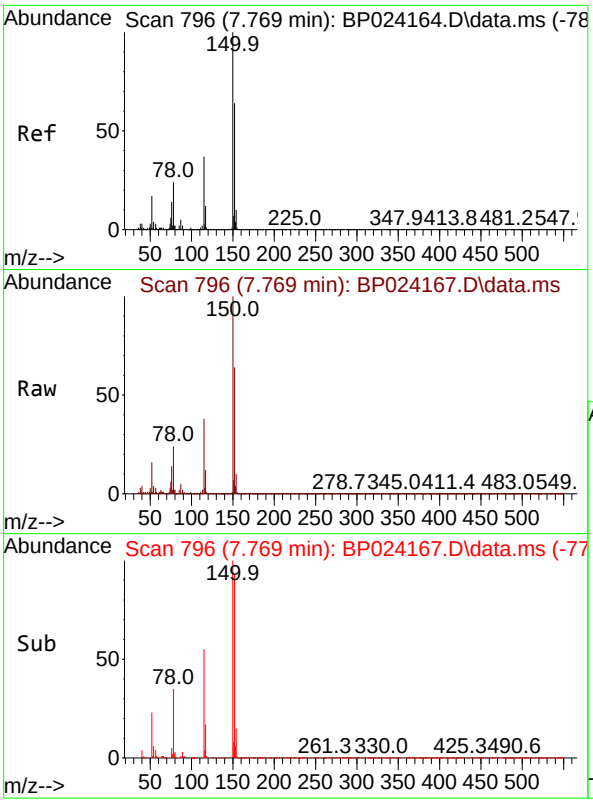
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024167.D
Acq On : 12 Mar 2025 21:02
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Quant Time: Mar 13 04:10:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration



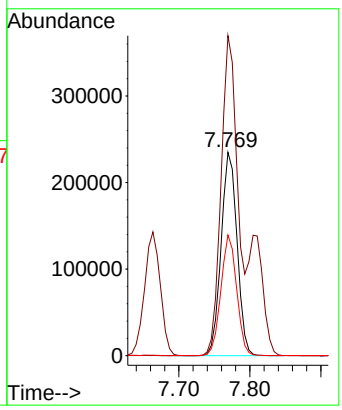


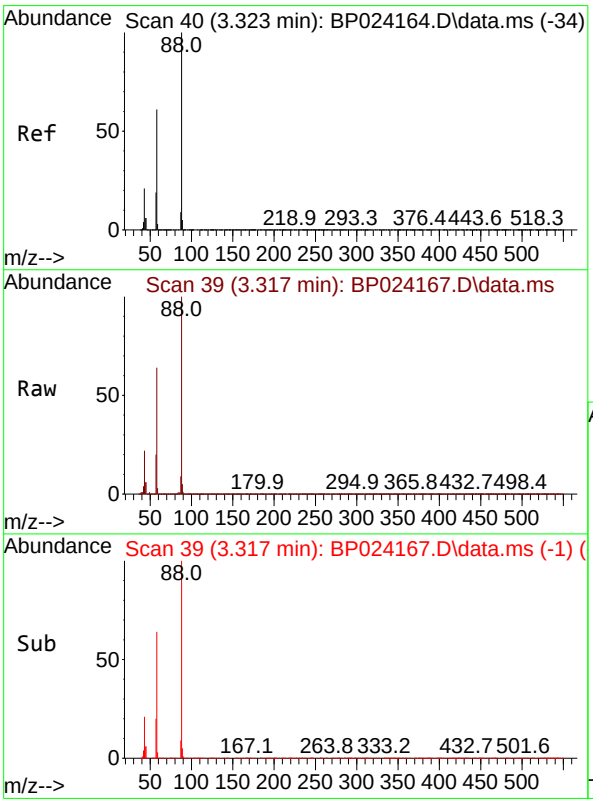

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:152 Resp: 364999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.3 | 125.5 | 188.3 |
| 115 | 59.3 | 46.3 | 69.5 |

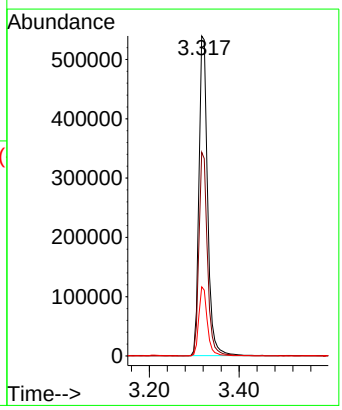


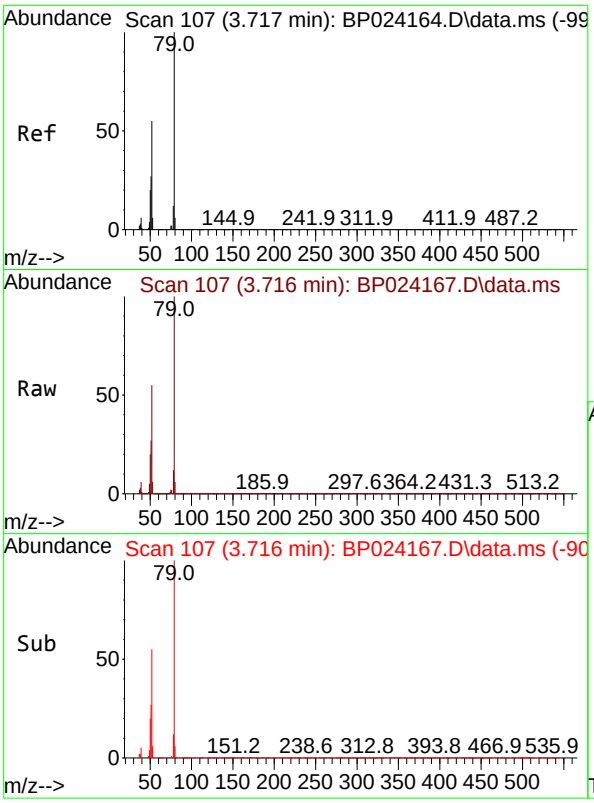




#2
1,4-Dioxane
Concen: 78.401 ng
RT: 3.317 min Scan# 39
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion: 88 Resp: 719424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 62.6 | 49.8 | 74.6 |
| 43 | 21.2 | 17.3 | 25.9 |



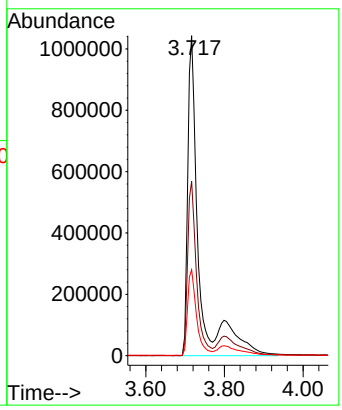


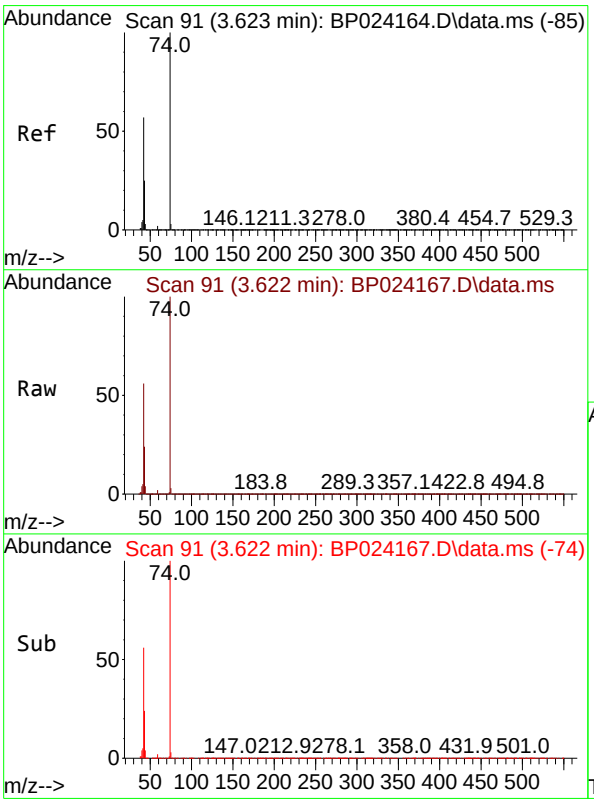

#3
Pyridine
Concen: 87.444 ng m
RT: 3.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 79 Resp: 2086180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 54.6 | 43.8 | 65.8 |
| 51 | 26.9 | 21.6 | 32.4 |

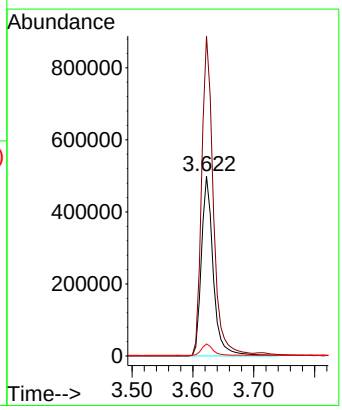


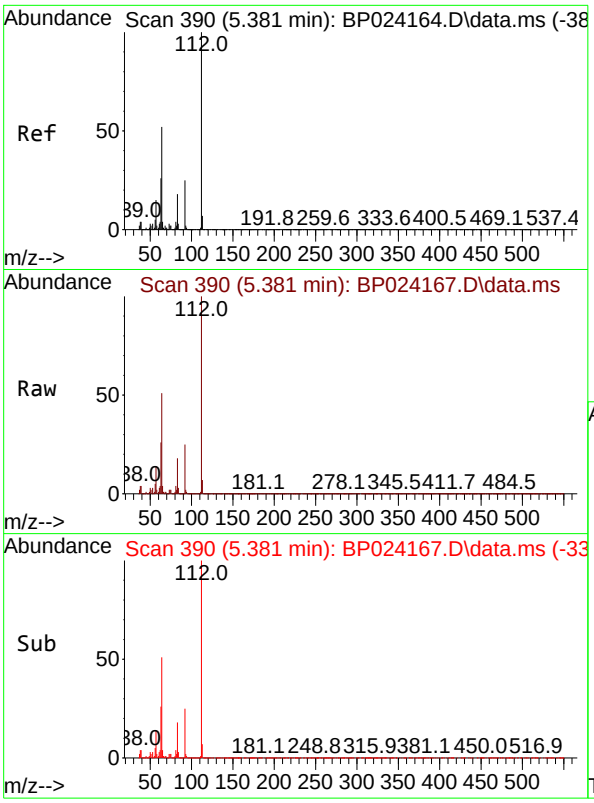




#4
n-Nitrosodimethylamine
Concen: 79.479 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion: 42 Resp: 672598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 177.9 | 139.8 | 209.6 |
| 44 | 6.7 | 5.3 | 7.9 |



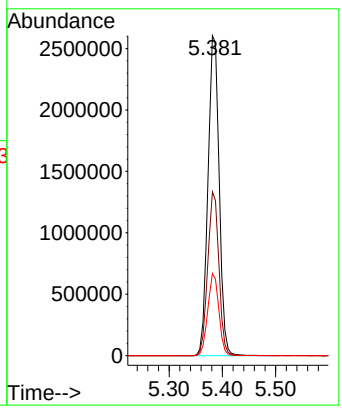


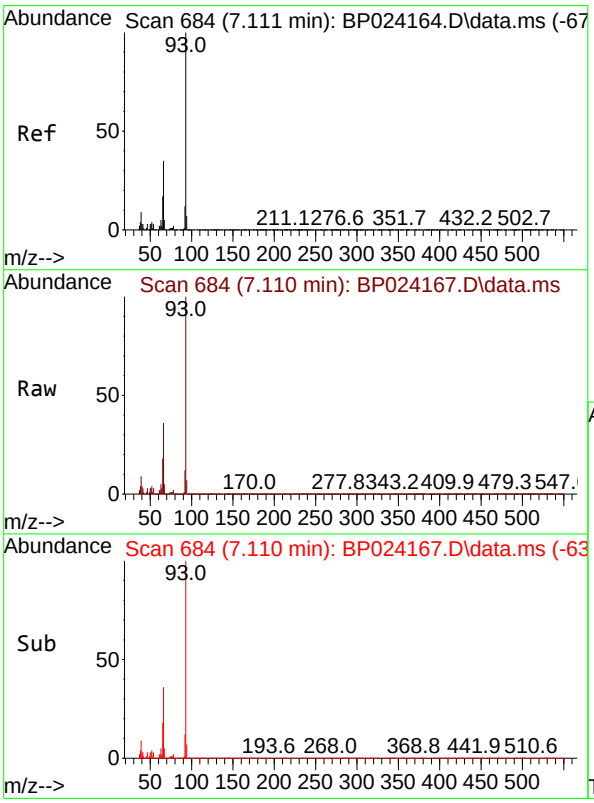

#5
2-Fluorophenol
Concen: 162.591 ng
RT: 5.381 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:112 Resp: 3803317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 51.2 | 41.3 | 61.9 |
| 63 | 25.7 | 20.6 | 31.0 |

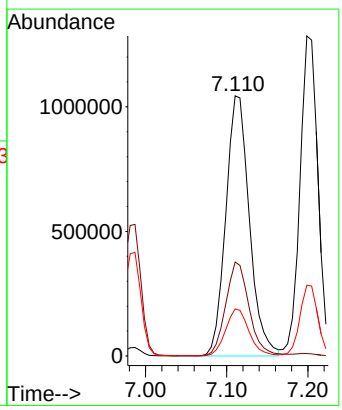


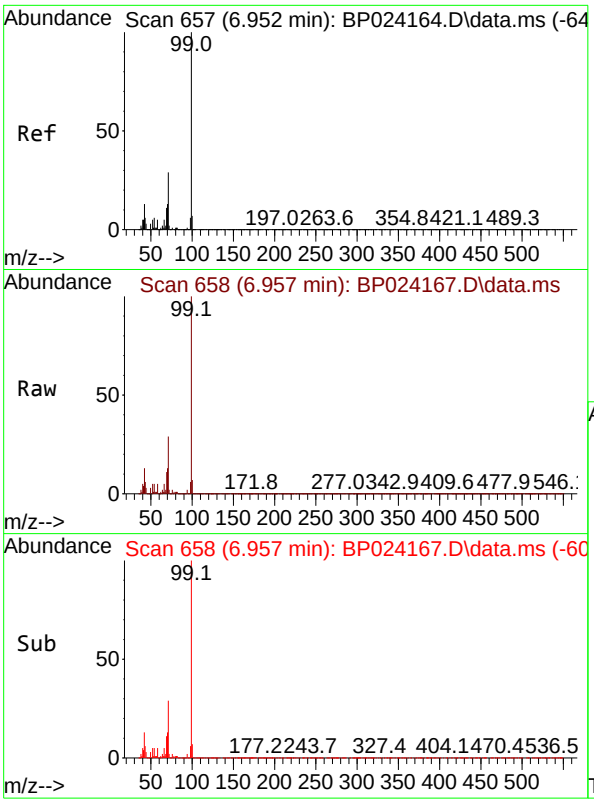




#6
Aniline
Concen: 76.717 ng
RT: 7.110 min Scan# 684
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion: 93 Resp: 2112268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 36.1 | 28.2 | 42.2 |
| 65 | 18.1 | 14.0 | 21.0 |



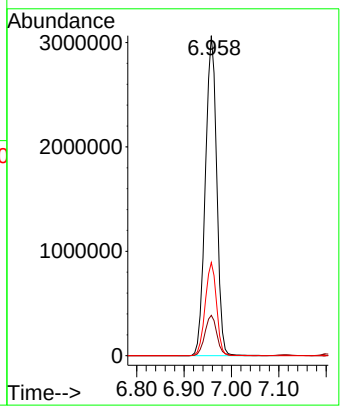


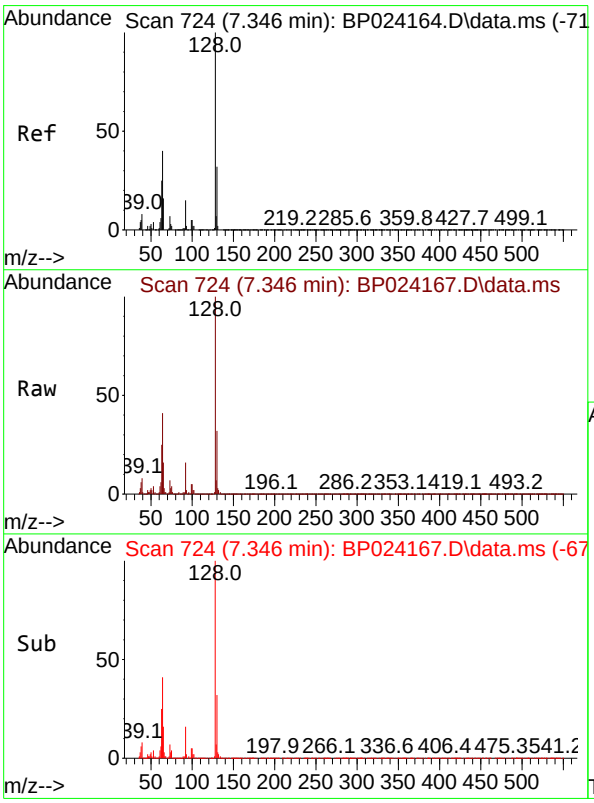

#7
Phenol-d6
Concen: 169.796 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 99 Resp: 5104893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 12.6 | 10.6 | 16.0 |
| 71 | 29.1 | 23.3 | 34.9 |

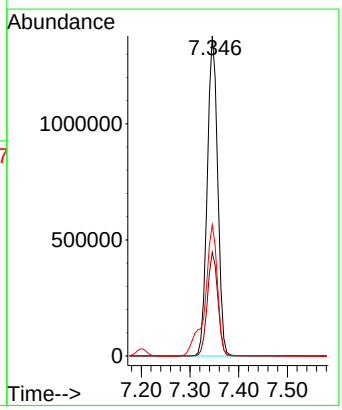


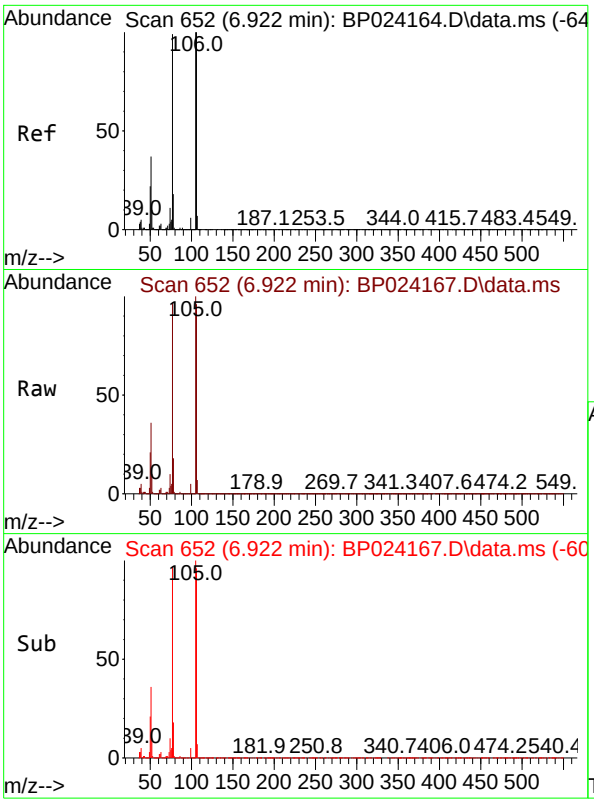




#8
2-Chlorophenol
Concen: 82.376 ng
RT: 7.346 min Scan# 724
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:128 Resp: 2039550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.4 | 12.0 | 52.0 |
| 64 | 41.0 | 21.6 | 61.6 |



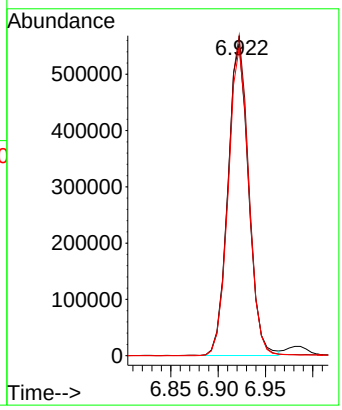


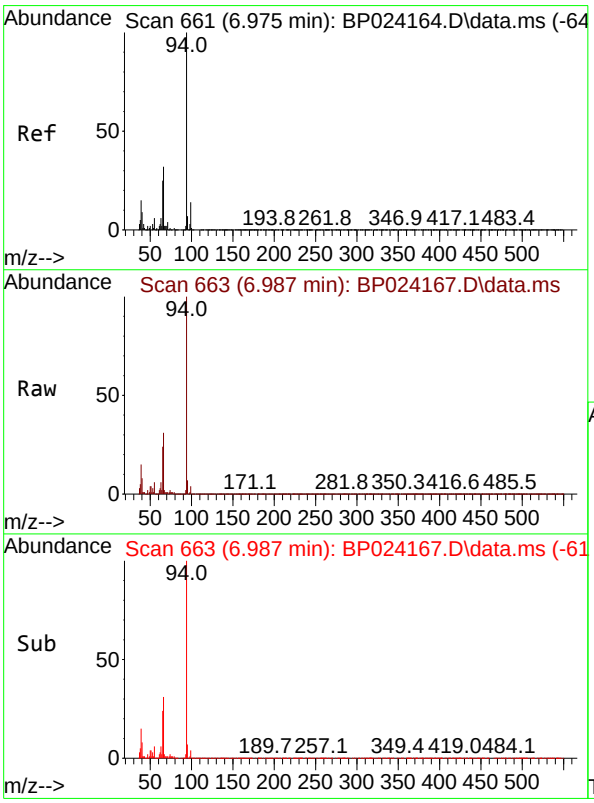

#9
Benzaldehyde
Concen: 61.412 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 77 Resp: 842969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 102.7 | 81.4 | 121.4 |
| 106 | 98.8 | 81.1 | 121.1 |

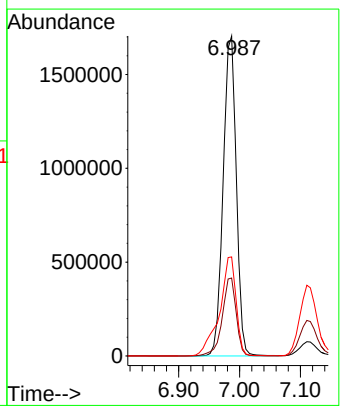


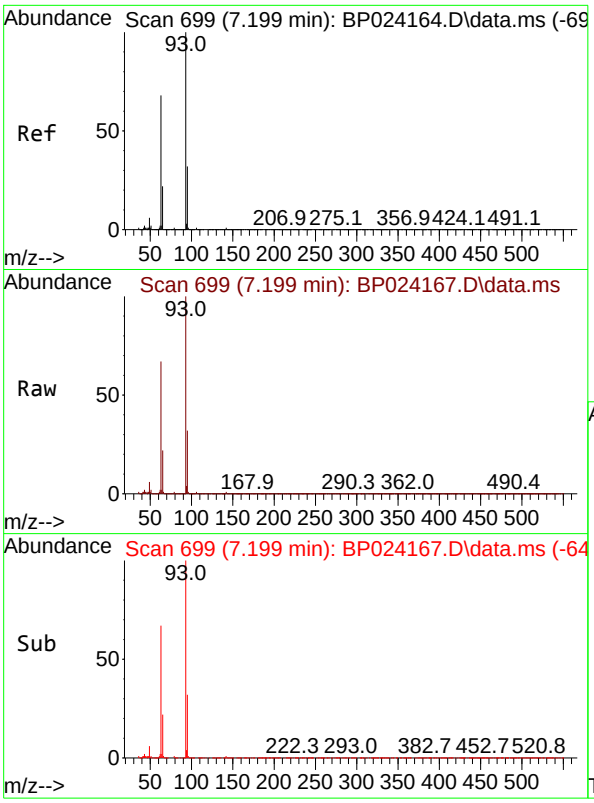




#10
Phenol
Concen: 84.573 ng
RT: 6.987 min Scan# 663
Delta R.T. 0.012 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion: 94 Resp: 2556863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 24.4 | 4.9 | 44.9 |
| 66 | 31.0 | 11.9 | 51.9 |



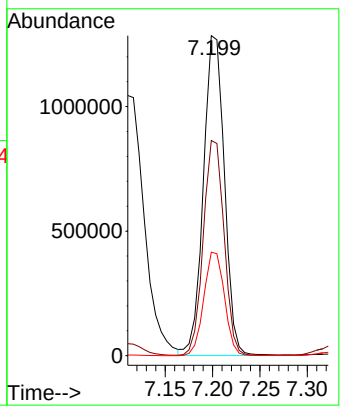


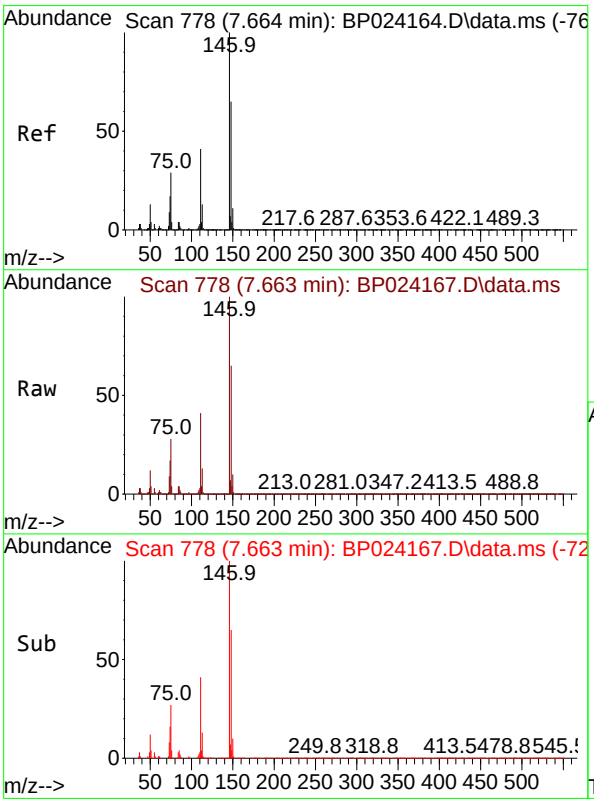

#11
bis(2-Chloroethyl)ether
Concen: 83.121 ng
RT: 7.199 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 93 Resp: 1979282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 67.3 | 47.4 | 87.4 |
| 95 | 32.3 | 12.1 | 52.1 |

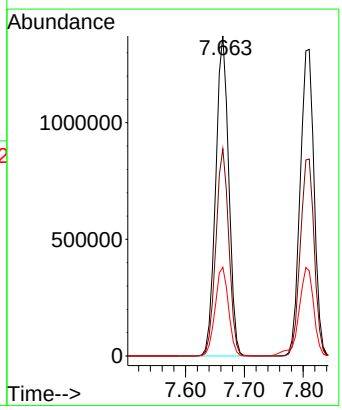


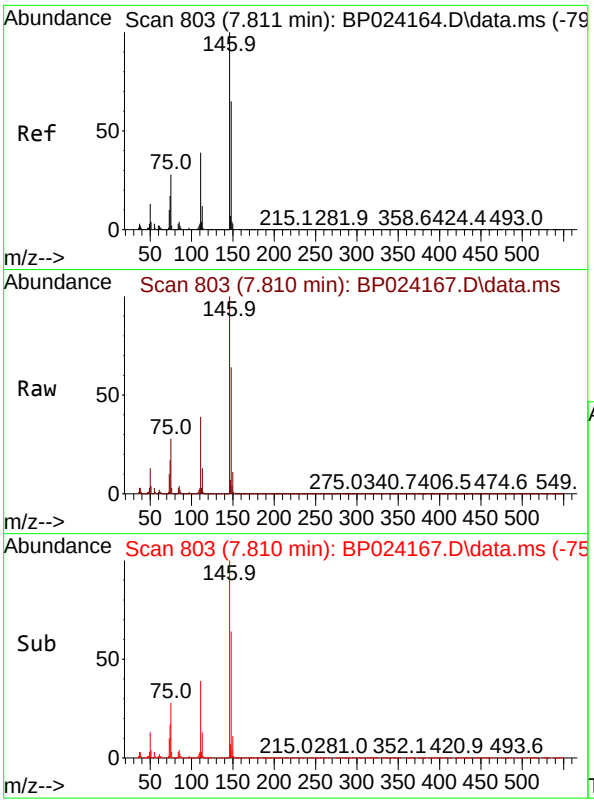




#12
1,3-Dichlorobenzene
Concen: 77.577 ng
RT: 7.663 min Scan# 778
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:146 Resp: 2110081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.8 | 51.6 | 77.4 |
| 75 | 27.8 | 22.8 | 34.2 |



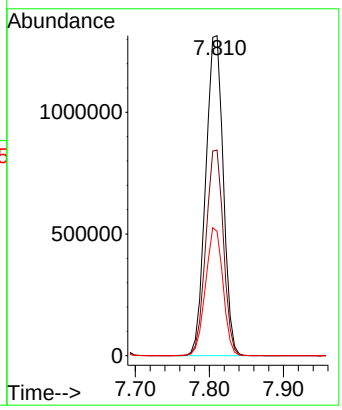


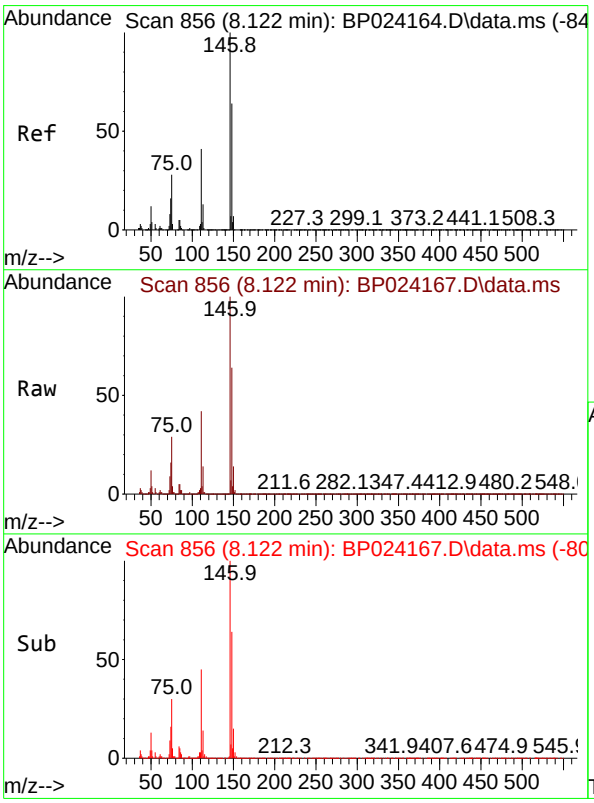

#13
1,4-Dichlorobenzene
Concen: 78.507 ng
RT: 7.810 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:146 Resp: 2159502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.9 | 77.9 |
| 111 | 38.9 | 31.4 | 47.2 |

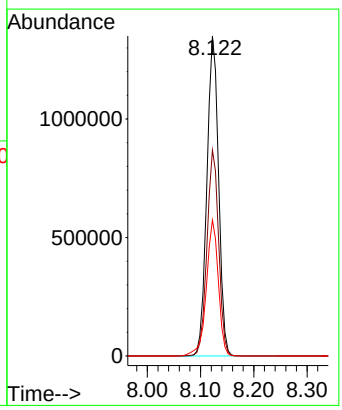


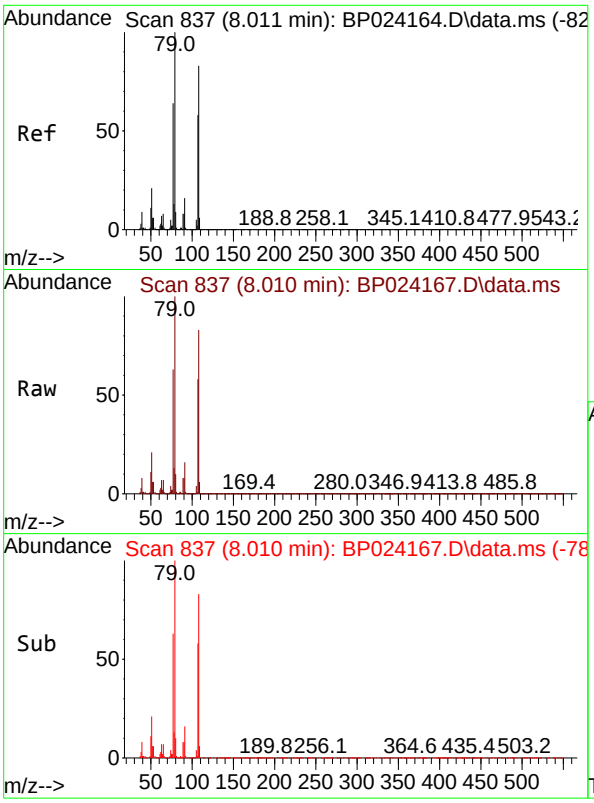




#14
1,2-Dichlorobenzene
Concen: 78.042 ng
RT: 8.122 min Scan# 856
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:146 Resp: 2060216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.3 | 51.4 | 77.2 |
| 111 | 42.5 | 33.2 | 49.8 |



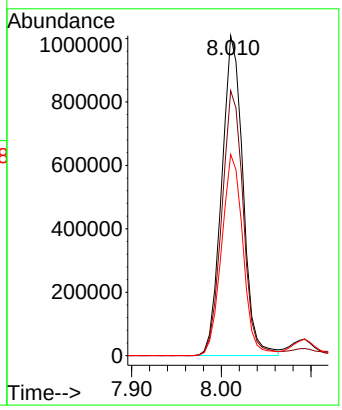


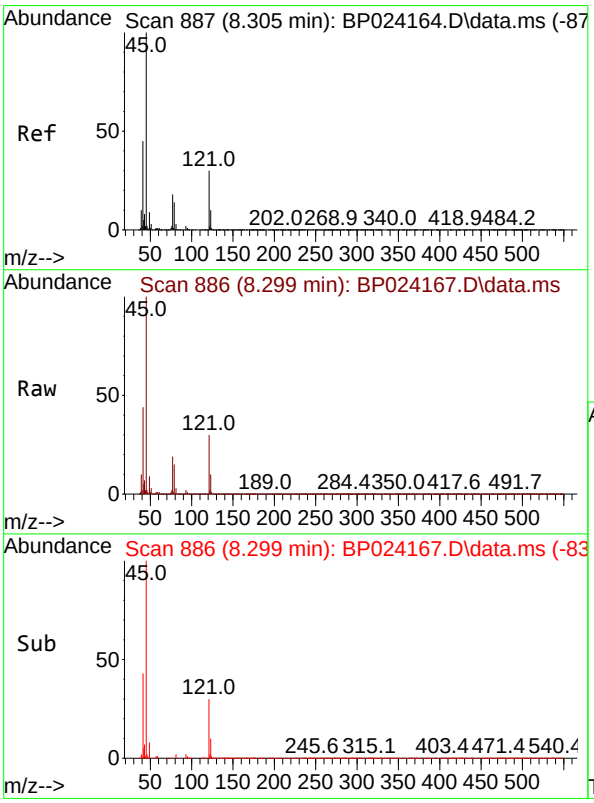

#15
Benzyl Alcohol
Concen: 90.370 ng
RT: 8.010 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 79 Resp: 1663098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 82.8 | 66.5 | 99.7 |
| 77 | 62.9 | 50.9 | 76.3 |

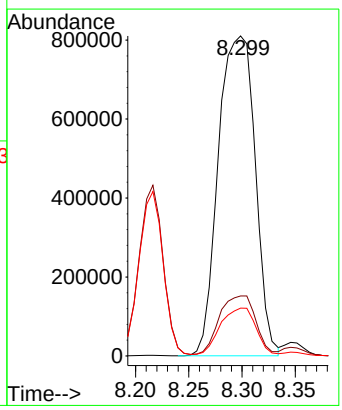


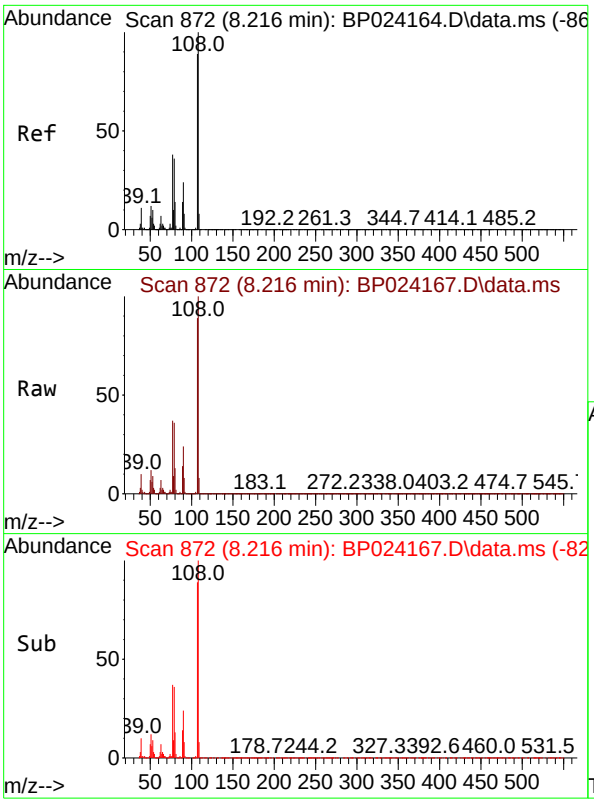




#16
2,2'-oxybis(1-Chloropropane)
Concen: 84.398 ng
RT: 8.299 min Scan# 886
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion: 45 Resp: 1950889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 18.8 | 0.0 | 39.0 |
| 79 | 15.0 | 0.0 | 35.6 |



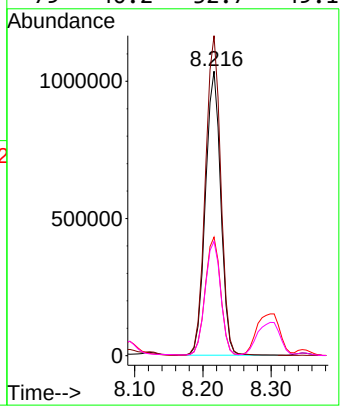


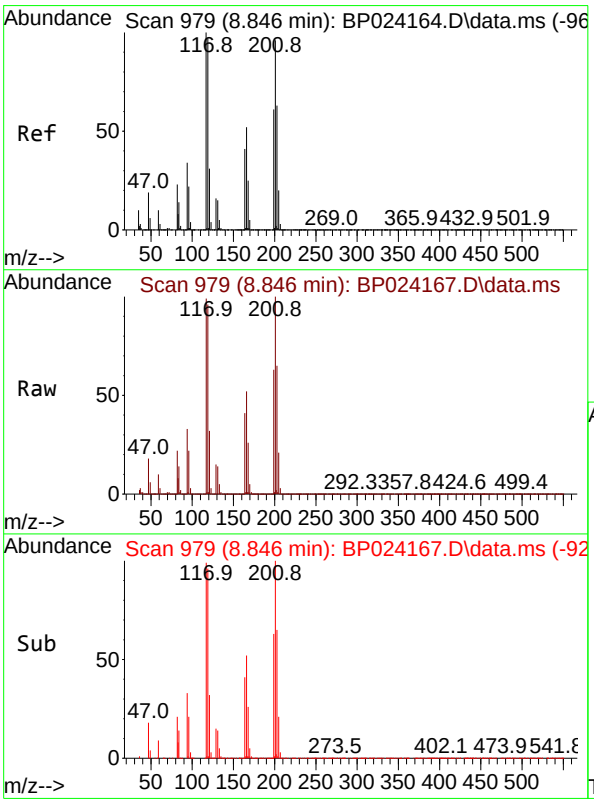

#17
2-Methylphenol
Concen: 87.877 ng
RT: 8.216 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:107 Resp: 1619006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.5 | 90.0 | 135.0 |
| 77 | 41.7 | 34.0 | 51.0 |
| 79 | 40.2 | 32.7 | 49.1 |

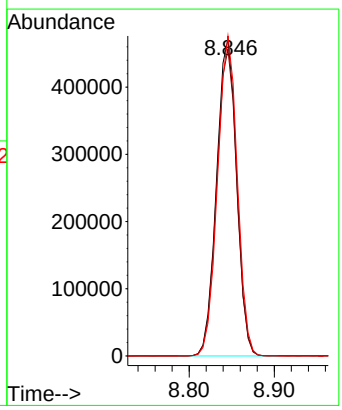


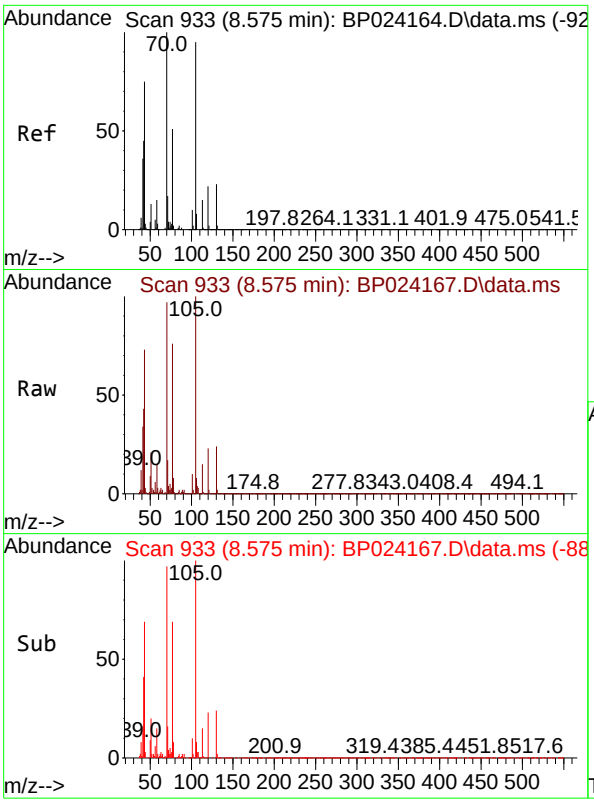




#18
Hexachloroethane
Concen: 78.037 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:117 Resp: 773060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.8 | 77.4 | 116.0 |
| 201 | 101.0 | 76.6 | 114.8 |



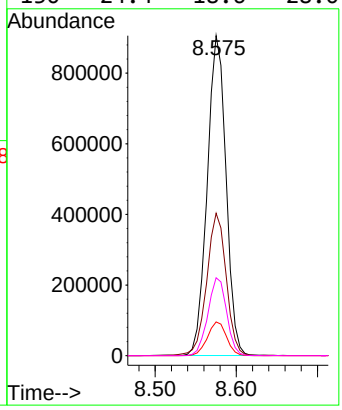


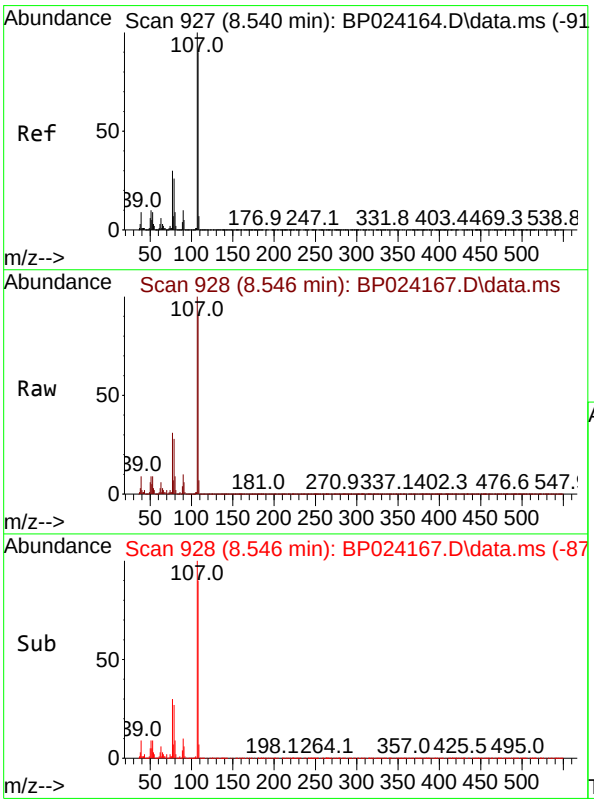

#19
n-Nitroso-di-n-propylamine
Concen: 90.027 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 70 Resp: 1455297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 44.5 | 36.0 | 54.0 |
| 101 | 10.6 | 8.3 | 12.5 |
| 130 | 24.4 | 18.6 | 28.0 |

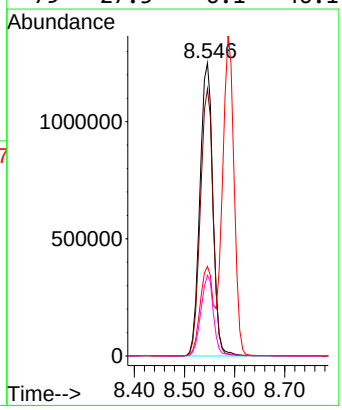


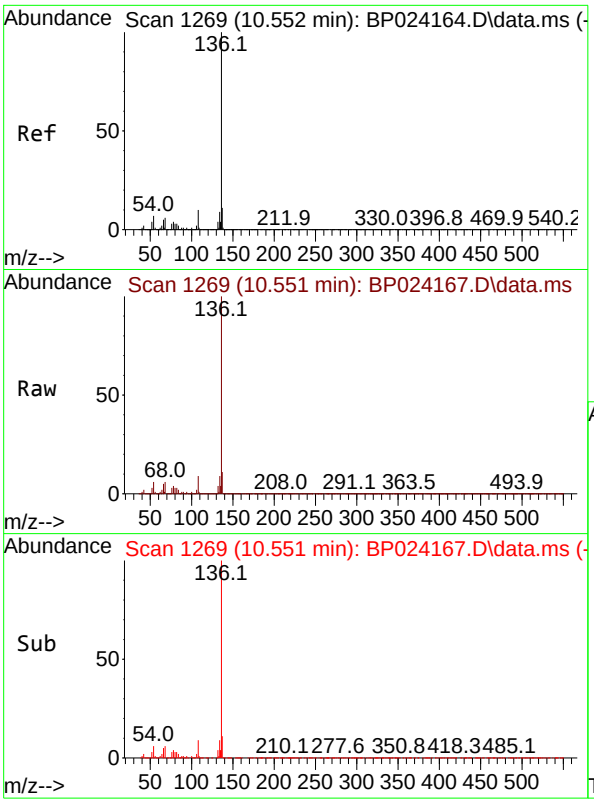




#20
3+4-Methylphenols
Concen: 89.384 ng
RT: 8.546 min Scan# 928
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:107 Resp: 2240243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.2 | 69.7 | 109.7 |
| 77 | 30.6 | 10.3 | 50.3 |
| 79 | 27.5 | 6.1 | 46.1 |



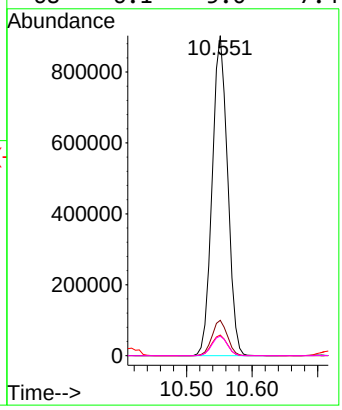


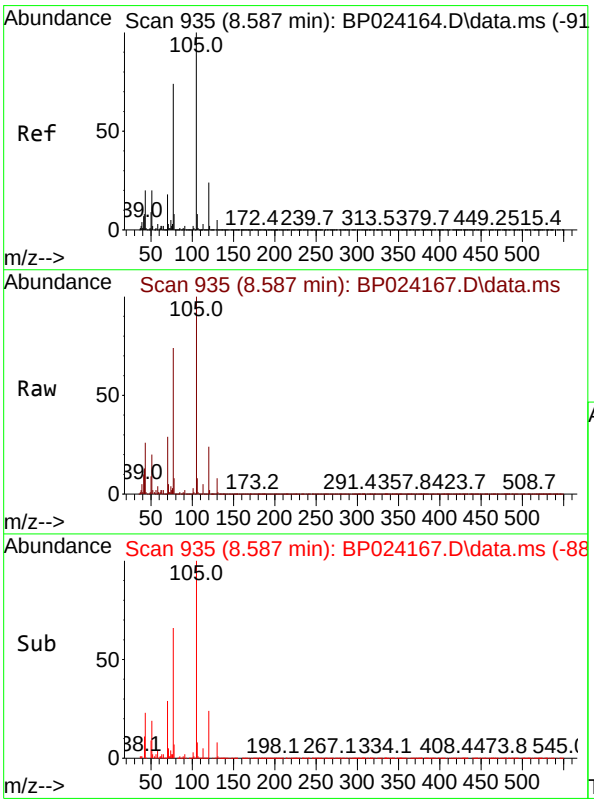

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.551 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:136 Resp: 1468727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 9.0 | 13.4 |
| 54 | 6.5 | 5.3 | 7.9 |
| 68 | 6.1 | 5.0 | 7.4 |

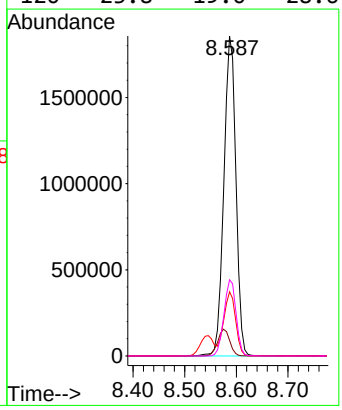


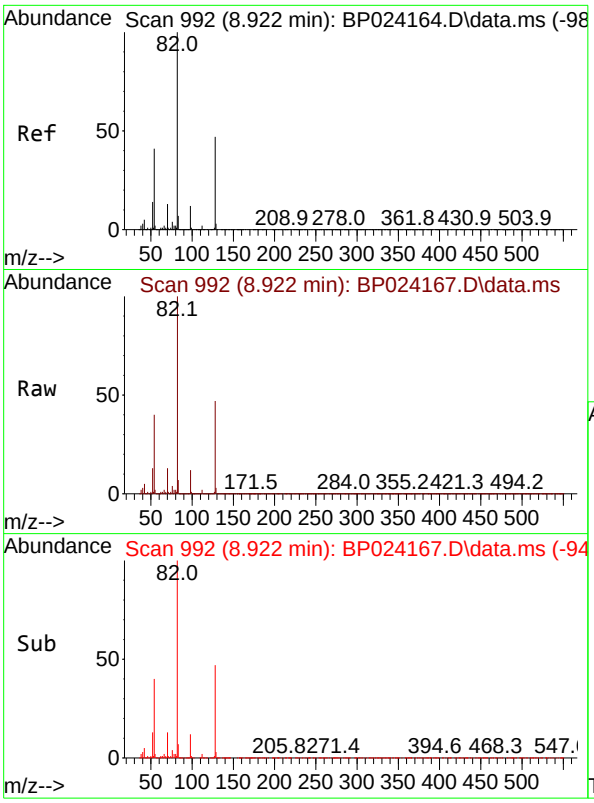




#22
Acetophenone
Concen: 79.697 ng
RT: 8.587 min Scan# 935
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:105 Resp: 3007941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 4.9 | 2.4 | 3.6# |
| 51 | 20.0 | 16.2 | 24.2 |
| 120 | 23.8 | 19.0 | 28.6 |



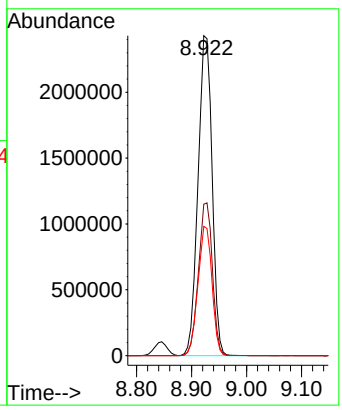


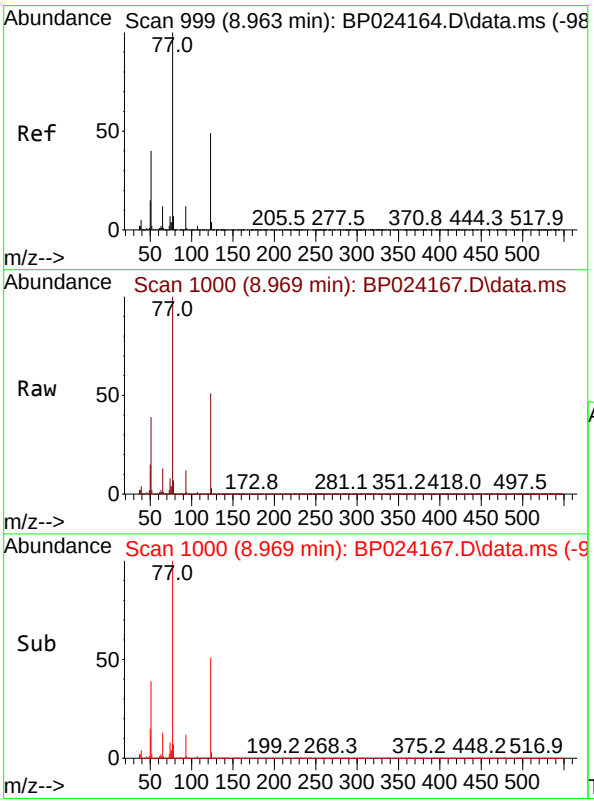

#23
Nitrobenzene-d5
Concen: 163.878 ng
RT: 8.922 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 82 Resp: 4314346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.4 | 37.4 | 56.0 |
| 54 | 40.4 | 32.5 | 48.7 |

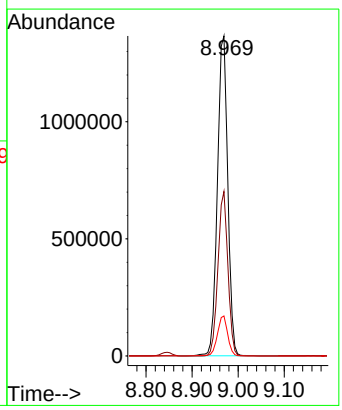


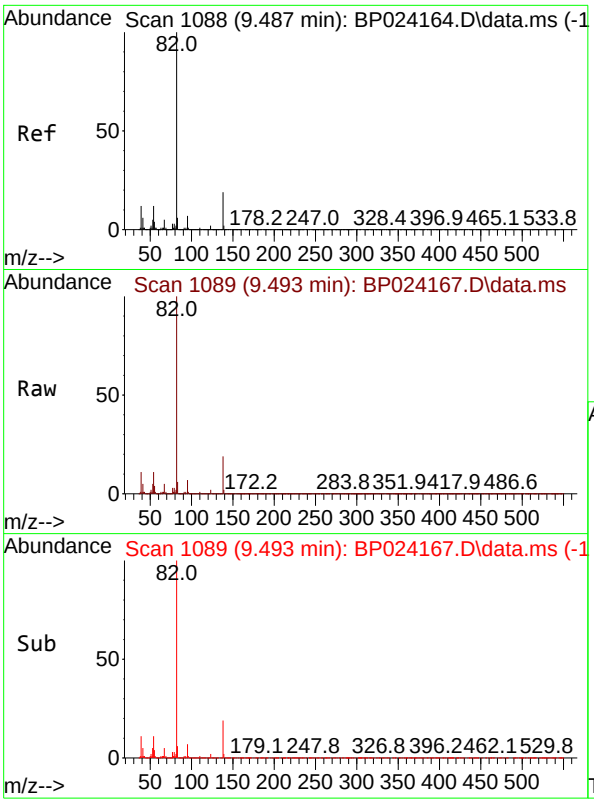




#24
Nitrobenzene
Concen: 81.768 ng
RT: 8.969 min Scan# 1000
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion: 77 Resp: 2118548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 51.4 | 39.4 | 59.2 |
| 65 | 12.5 | 9.9 | 14.9 |



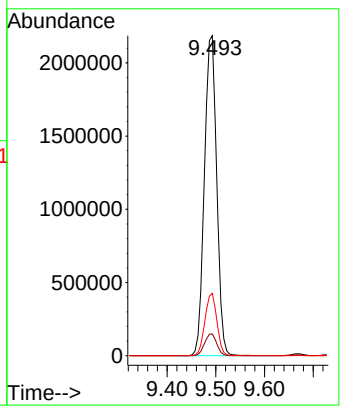


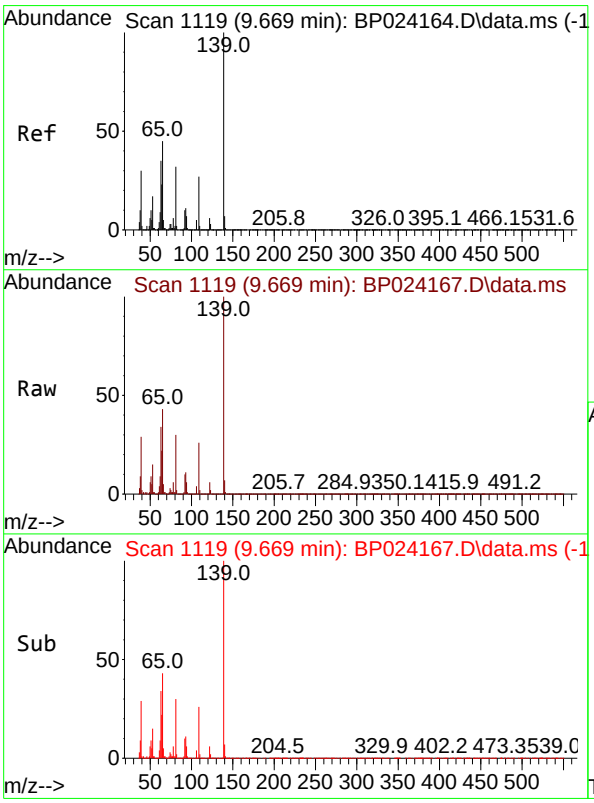

#25
Isophorone
Concen: 88.570 ng
RT: 9.493 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 82 Resp: 3813082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.8 | 5.3 | 7.9 |
| 138 | 19.5 | 14.8 | 22.2 |

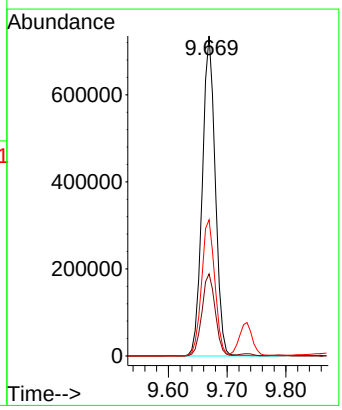


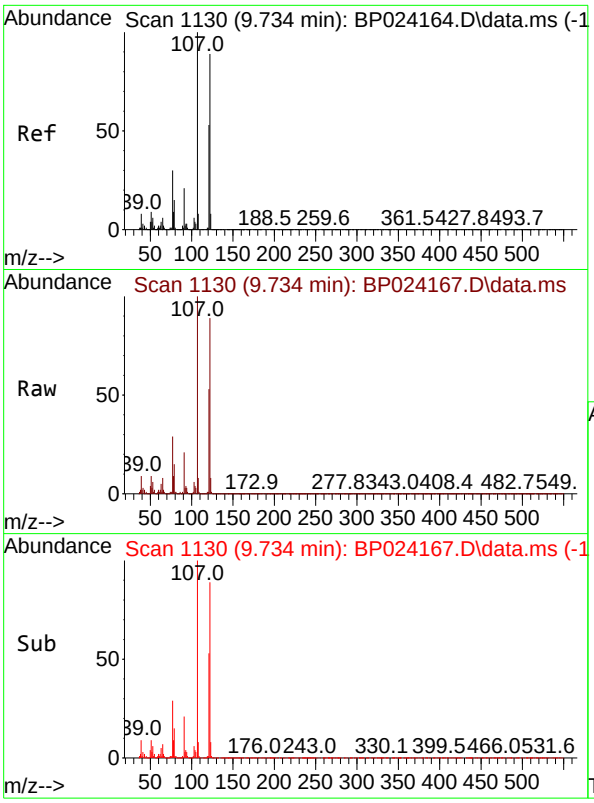




#26
2-Nitrophenol
Concen: 94.646 ng
RT: 9.669 min Scan# 1119
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:139 Resp: 1129770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 25.7 | 21.7 | 32.5 |
| 65 | 42.6 | 35.8 | 53.8 |



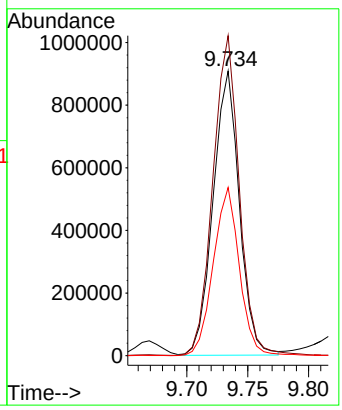


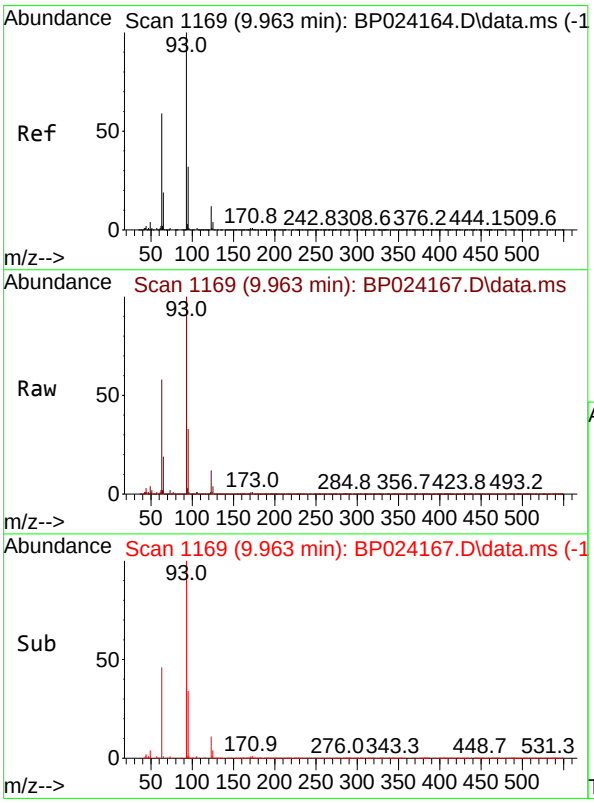

#27
2,4-Dimethylphenol
Concen: 86.904 ng
RT: 9.734 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:122 Resp: 1361694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 112.4 | 89.3 | 133.9 |
| 121 | 59.0 | 47.5 | 71.3 |

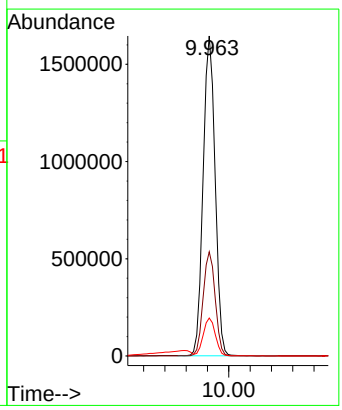


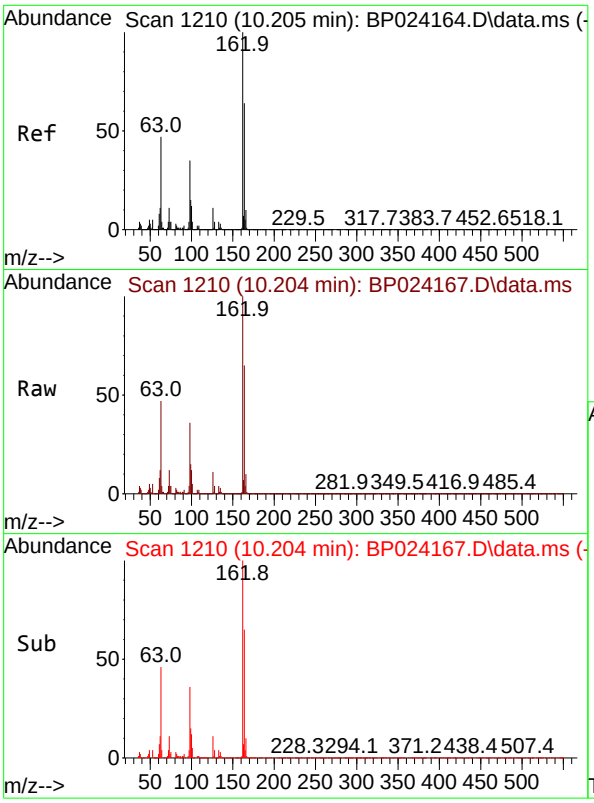




#28
bis(2-Chloroethoxy)methane
Concen: 82.625 ng
RT: 9.963 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion: 93 Resp: 2576867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.6 | 25.9 | 38.9 |
| 123 | 11.8 | 9.5 | 14.3 |



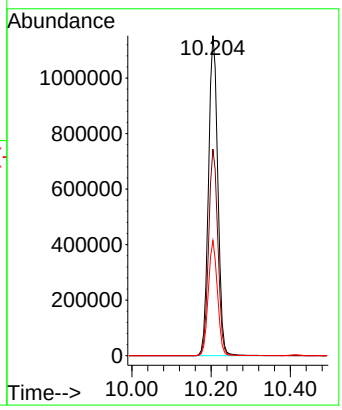


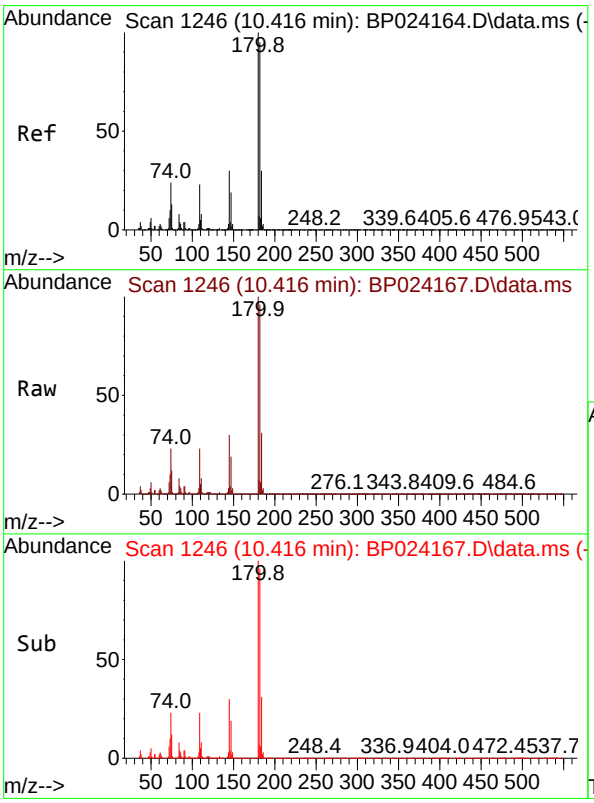

#29
2,4-Dichlorophenol
Concen: 87.724 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:162 Resp: 1875825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.5 | 44.2 | 84.2 |
| 98 | 36.0 | 15.1 | 55.1 |

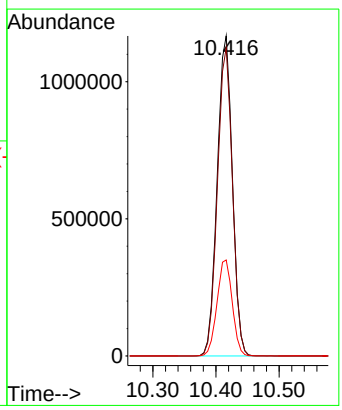


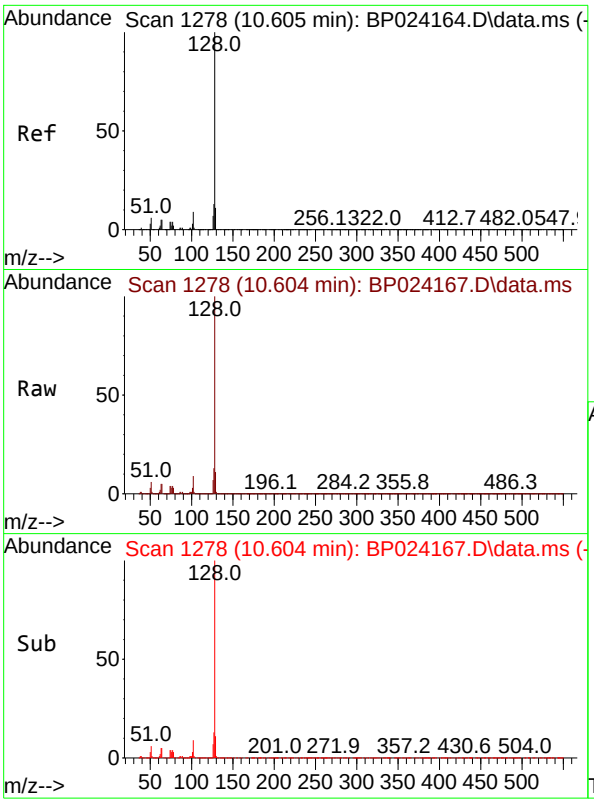




#30
1,2,4-Trichlorobenzene
Concen: 79.431 ng
RT: 10.416 min Scan# 1246
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:180 Resp: 1946046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.3 | 76.1 | 114.1 |
| 145 | 30.0 | 24.2 | 36.2 |



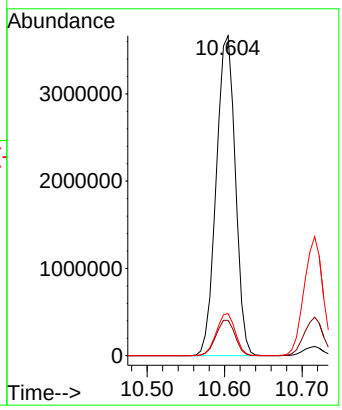


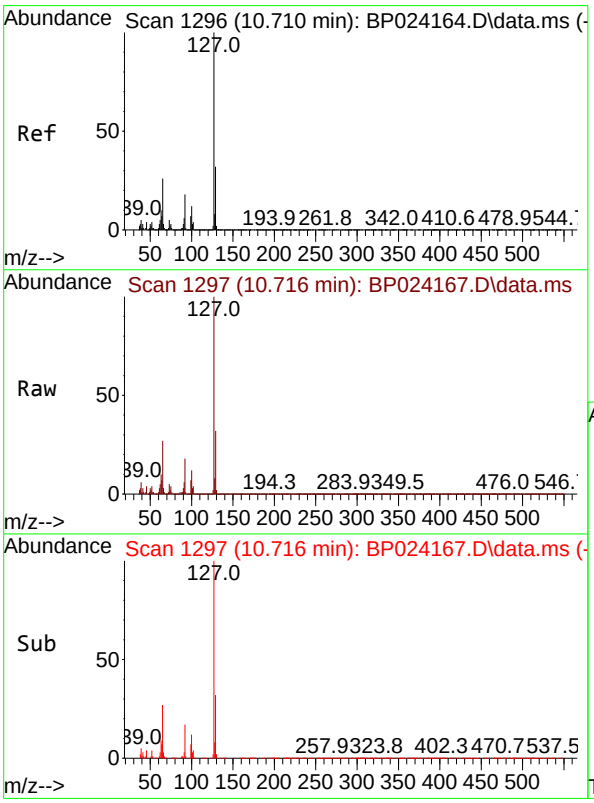

#31
Naphthalene
Concen: 79.507 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:128 Resp: 6278869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 8.7 | 13.1 |
| 127 | 13.2 | 10.4 | 15.6 |

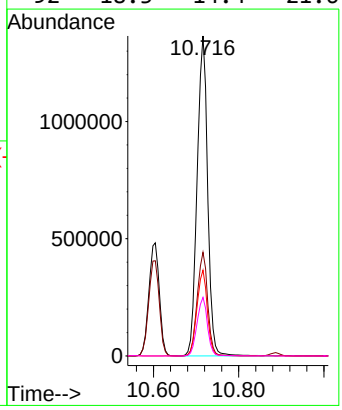


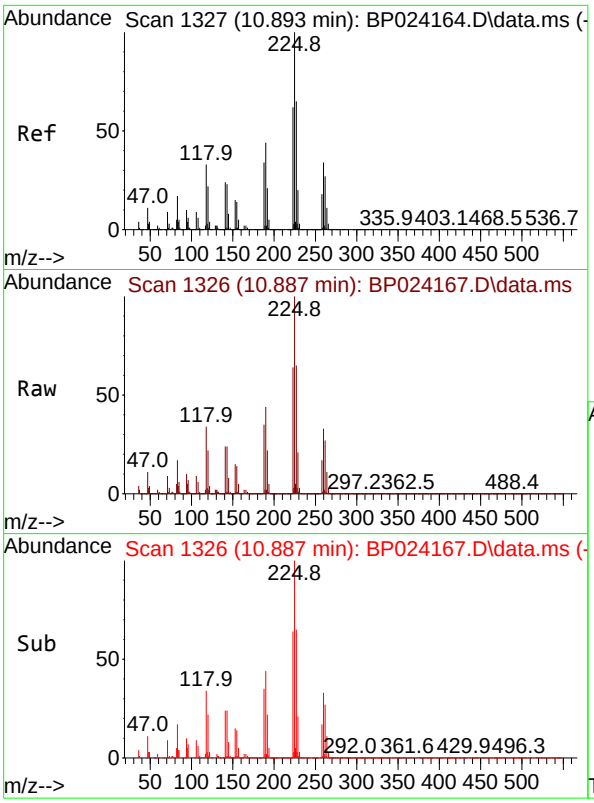




#33
4-Chloroaniline
Concen: 83.990 ng
RT: 10.716 min Scan# 1297
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:127 Resp: 2336710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.4 | 25.8 | 38.6 |
| 65 | 26.8 | 21.2 | 31.8 |
| 92 | 18.3 | 14.4 | 21.6 |



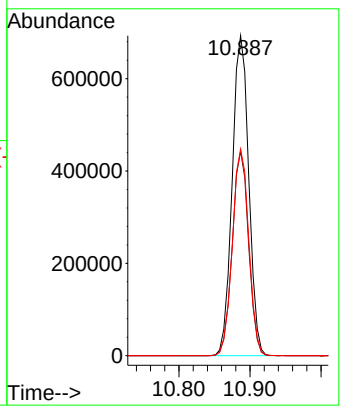


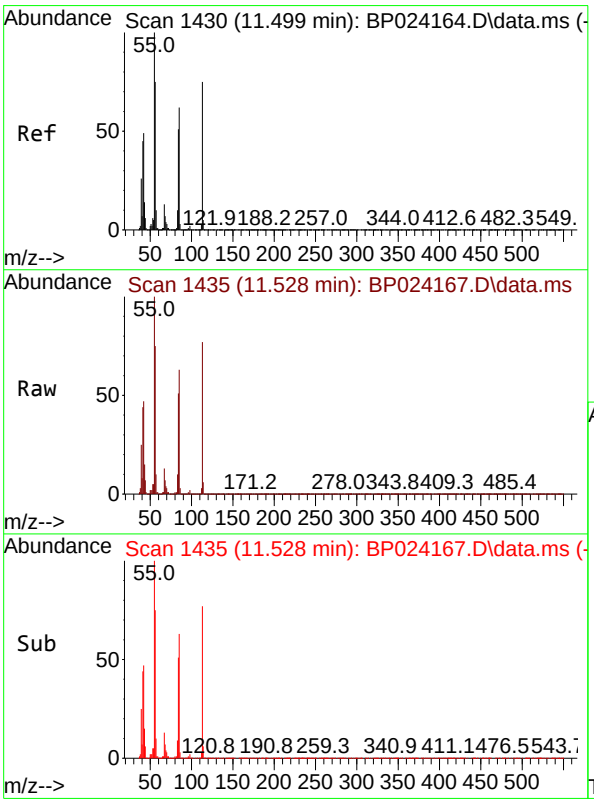

#34
Hexachlorobutadiene
Concen: 79.213 ng
RT: 10.887 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:225 Resp: 1124081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.9 | 49.9 | 74.9 |
| 227 | 64.6 | 52.2 | 78.2 |

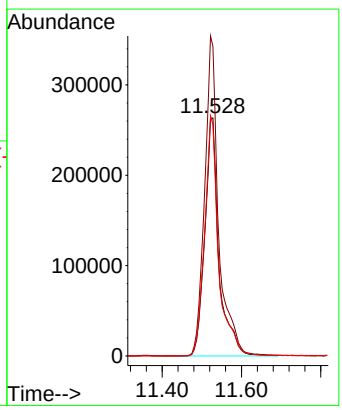


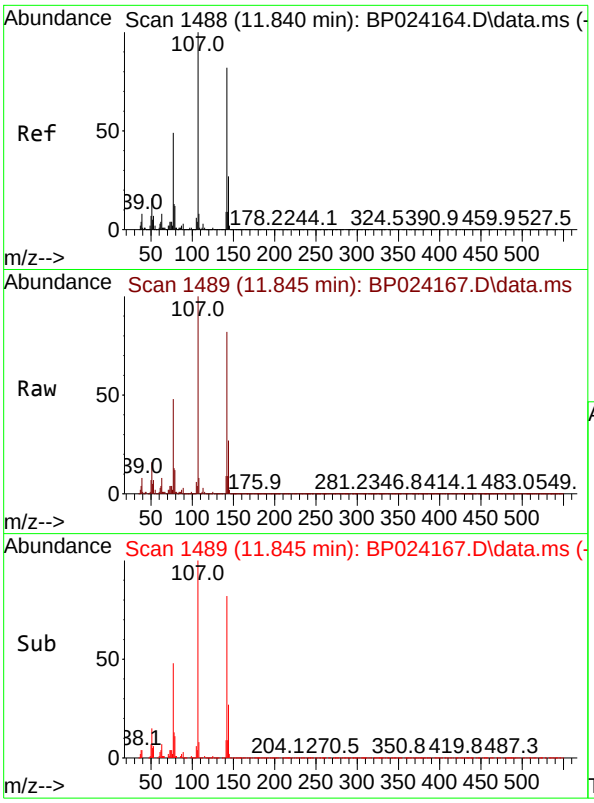




#35
Caprolactam
Concen: 101.156 ng
RT: 11.528 min Scan# 1435
Delta R.T. 0.029 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:113 Resp: 654999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 130.2 | 113.6 | 153.6 |
| 56 | 97.1 | 80.0 | 120.0 |



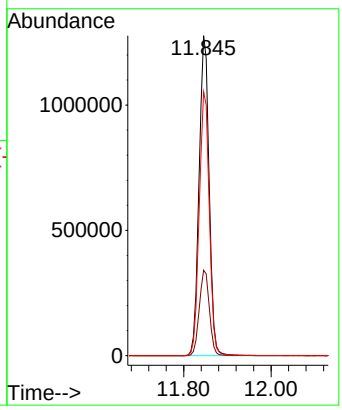


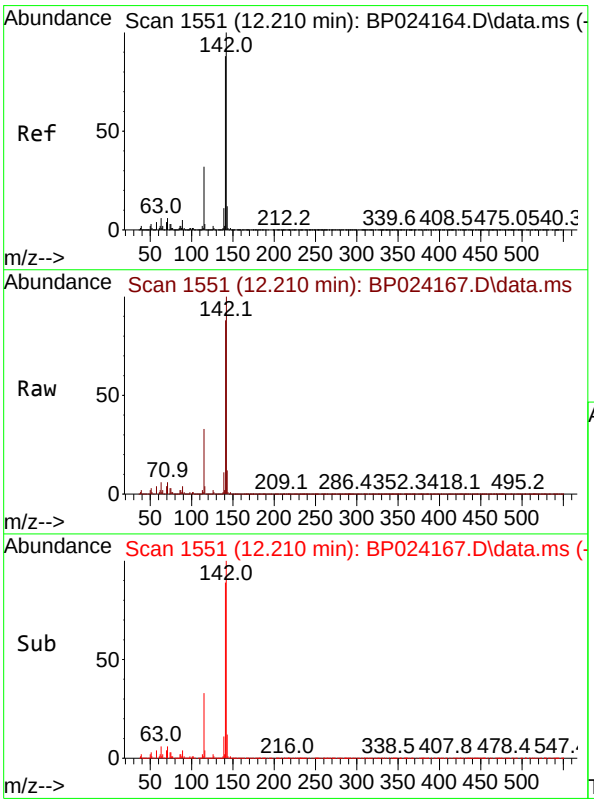

#36
4-Chloro-3-methylphenol
Concen: 92.924 ng
RT: 11.845 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:107 Resp: 2042687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.7 | 21.6 | 32.4 |
| 142 | 82.4 | 65.4 | 98.0 |

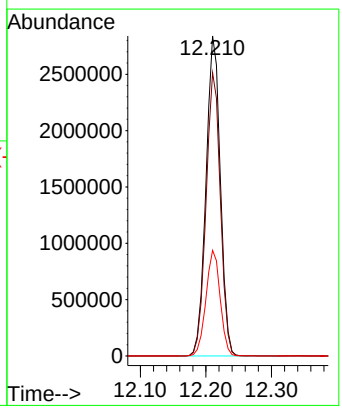


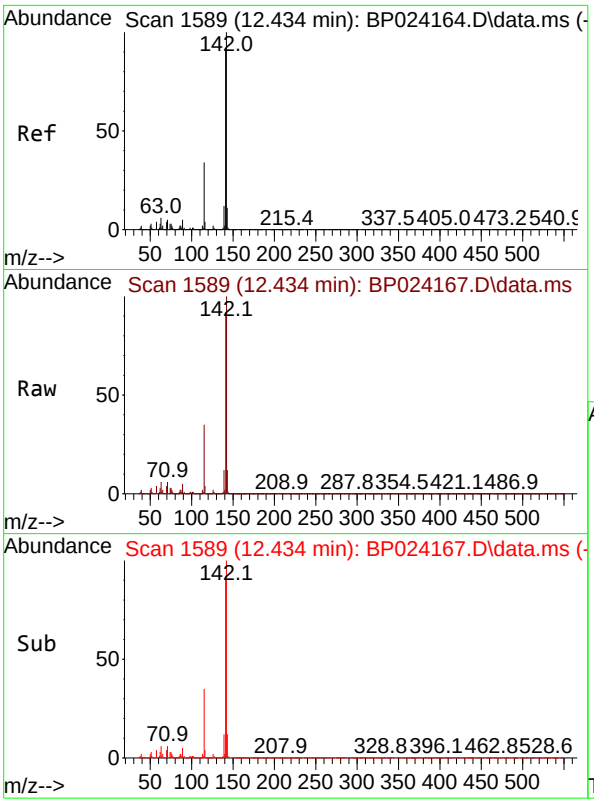




#37
2-Methylnaphthalene
Concen: 82.244 ng
RT: 12.210 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:142 Resp: 4316966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.5 | 70.3 | 105.5 |
| 115 | 33.0 | 26.0 | 39.0 |



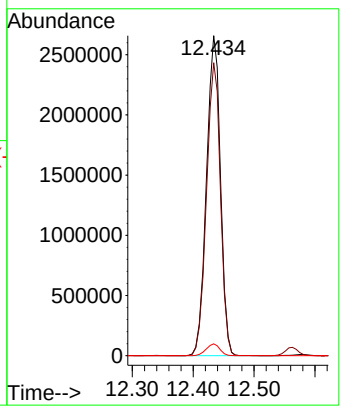


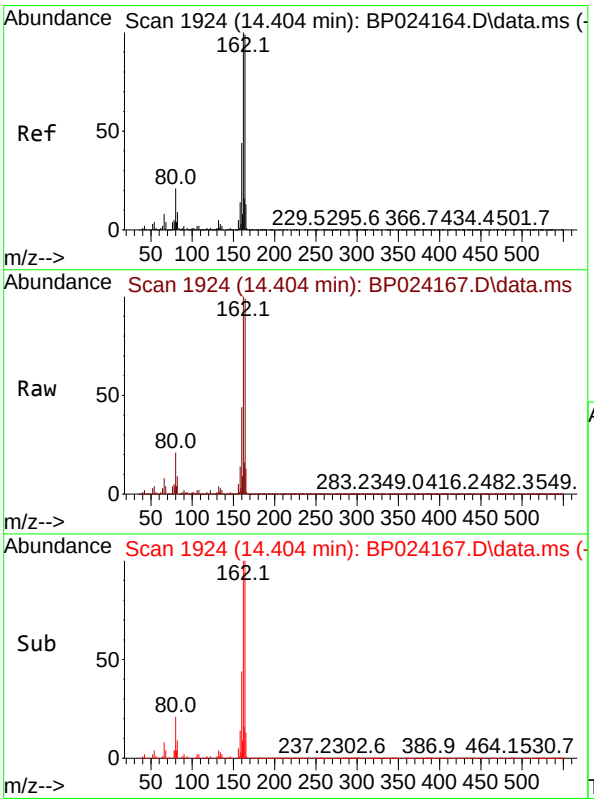

#38
1-Methylnaphthalene
Concen: 82.791 ng
RT: 12.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:142 Resp: 4227550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.6 | 73.9 | 110.9 |
| 116 | 3.7 | 2.8 | 4.2 |

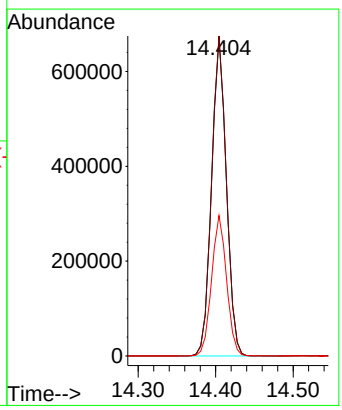


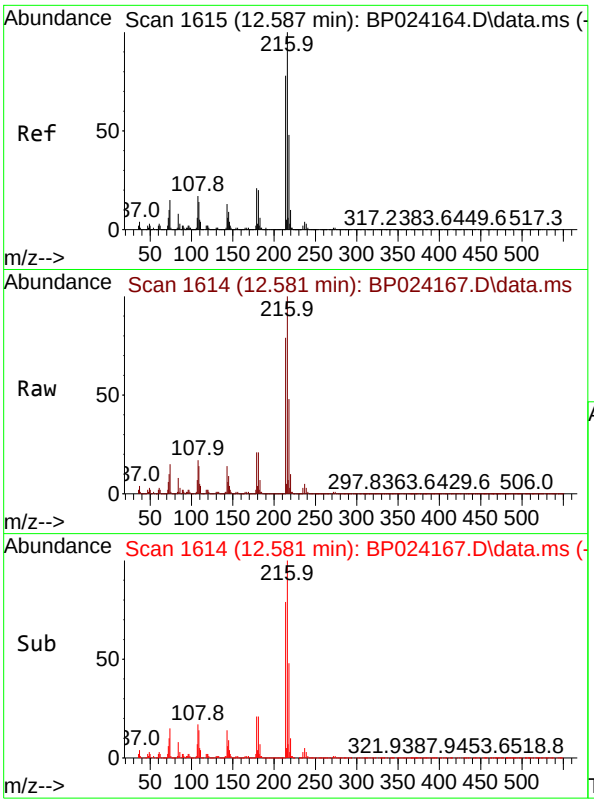




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:164 Resp: 888748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.5 | 80.6 | 121.0 |
| 160 | 44.1 | 35.4 | 53.2 |



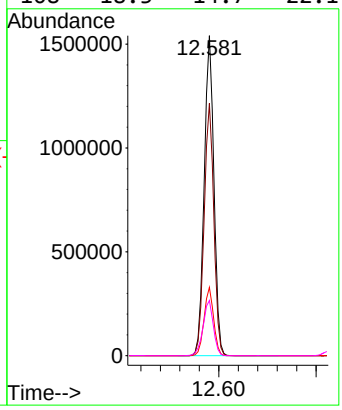


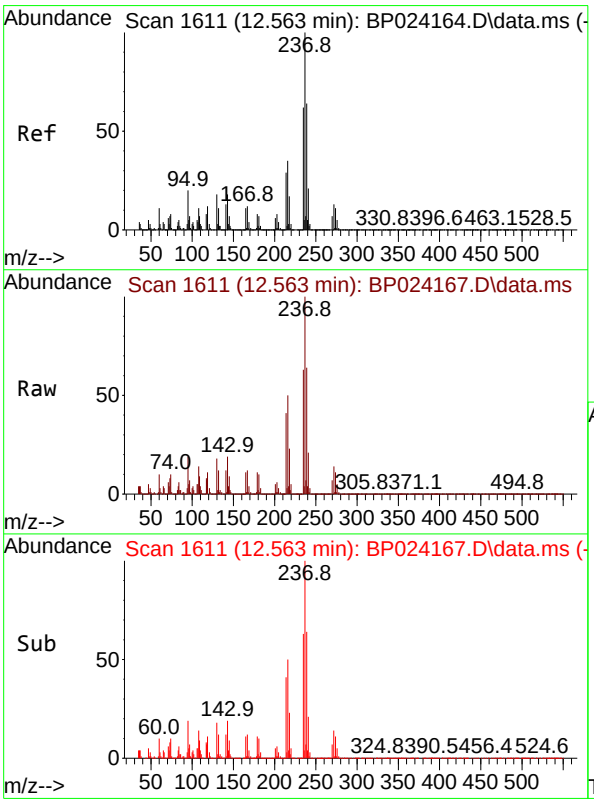

#40
1,2,4,5-Tetrachlorobenzene
Concen: 77.644 ng
RT: 12.581 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:216 Resp: 2120251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.8 | 62.8 | 94.2 |
| 179 | 21.0 | 16.8 | 25.2 |
| 108 | 18.3 | 14.7 | 22.1 |

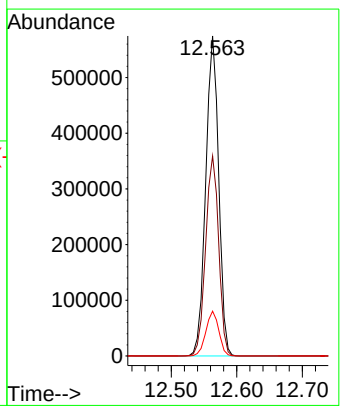


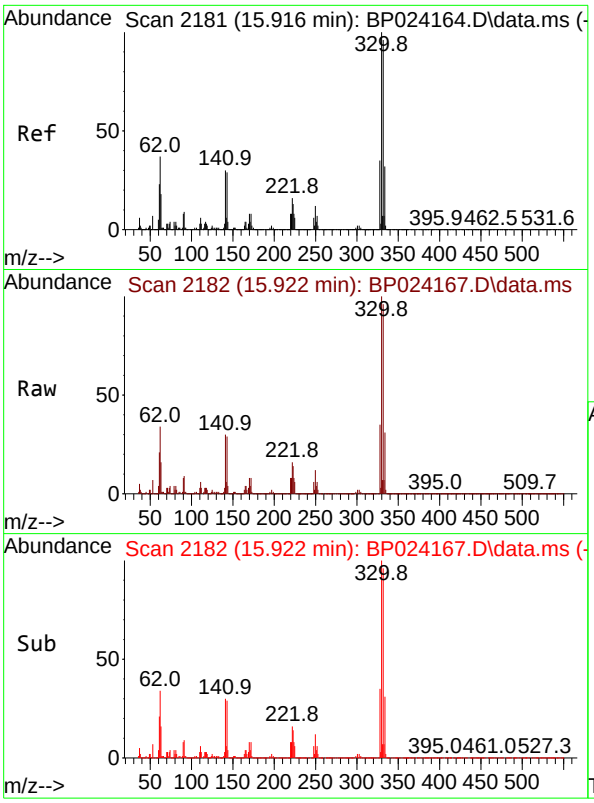




#41
Hexachlorocyclopentadiene
Concen: 77.633 ng
RT: 12.563 min Scan# 1611
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:237 Resp: 788854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.5 | 41.8 | 81.8 |
| 272 | 14.0 | 0.0 | 33.5 |



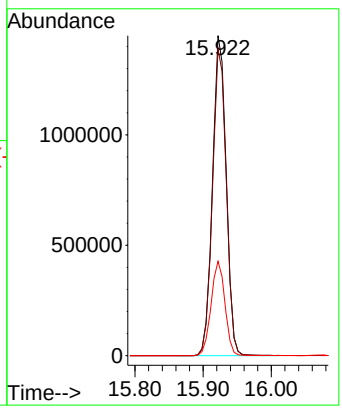


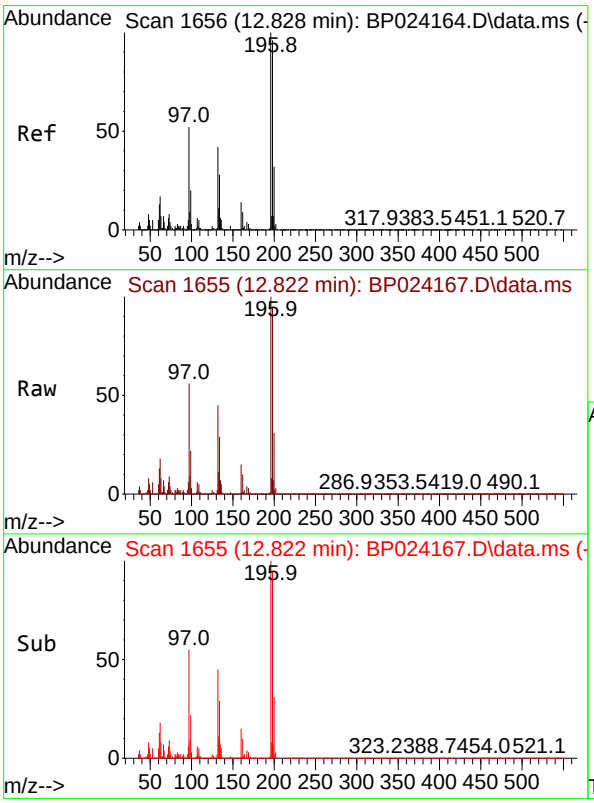

#42
2,4,6-Tribromophenol
Concen: 186.035 ng
RT: 15.922 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:330 Resp: 2025211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 77.6 | 116.4 |
| 141 | 29.9 | 25.0 | 37.6 |

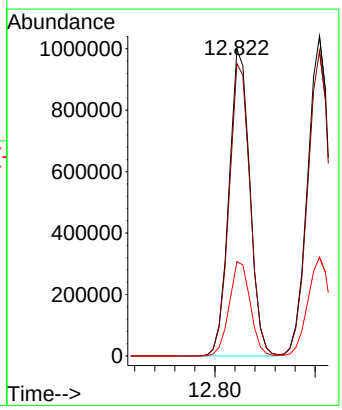


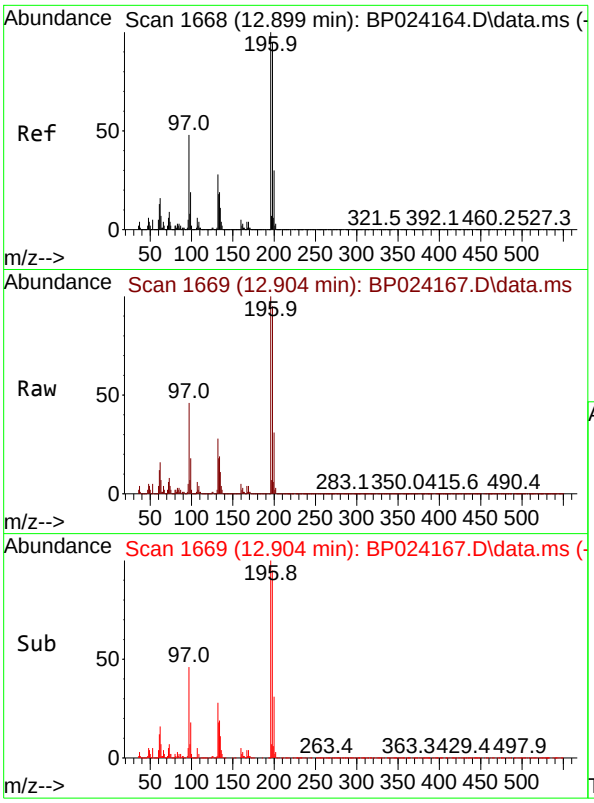




#43
2,4,6-Trichlorophenol
Concen: 86.697 ng
RT: 12.822 min Scan# 1655
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:196 Resp: 1443797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.3 | 76.6 | 115.0 |
| 200 | 30.8 | 25.4 | 38.0 |



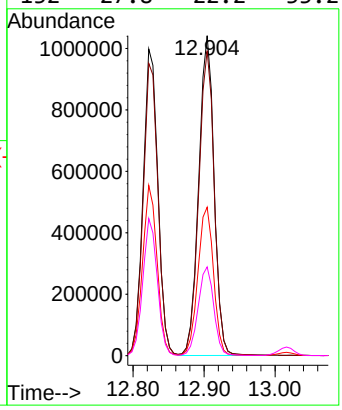


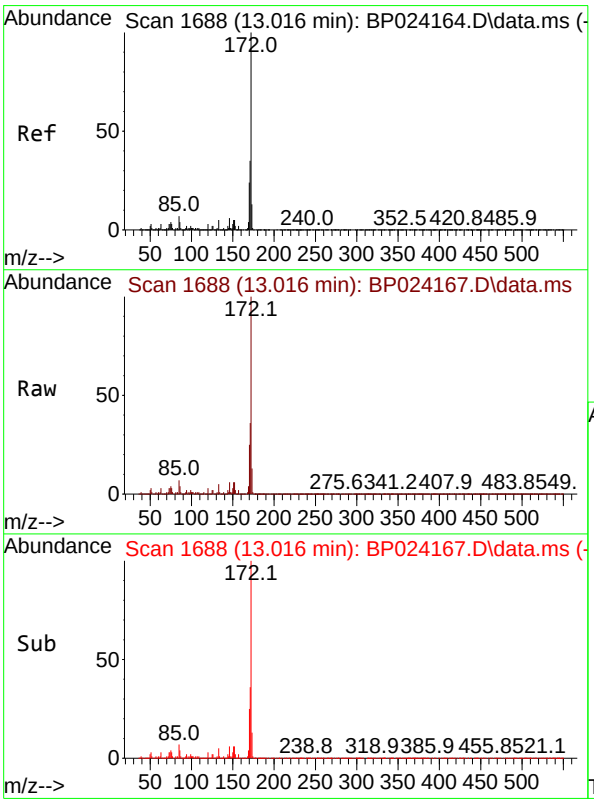

#44
2,4,5-Trichlorophenol
Concen: 86.506 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:196 Resp: 1575527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.4 | 76.5 | 114.7 |
| 97 | 46.4 | 38.7 | 58.1 |
| 132 | 27.8 | 22.2 | 33.2 |

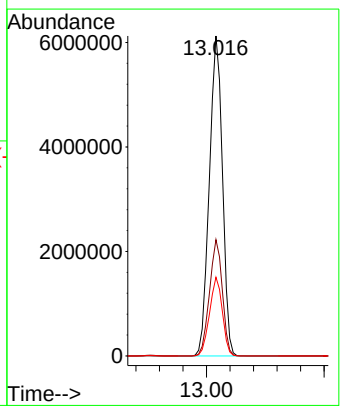


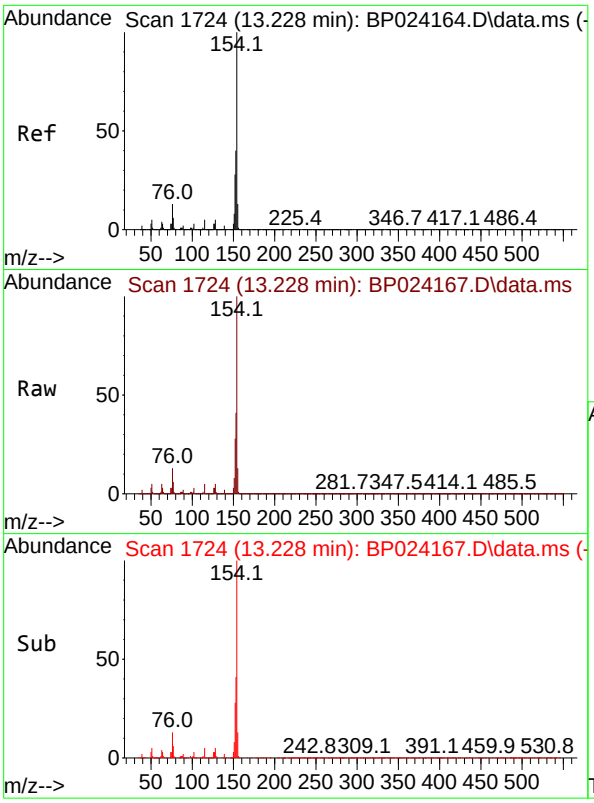




#45
2-Fluorobiphenyl
Concen: 148.993 ng
RT: 13.016 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:172 Resp: 9471932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.4 | 28.3 | 42.5 |
| 170 | 24.6 | 19.0 | 28.4 |



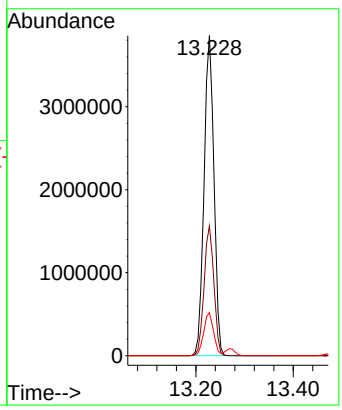


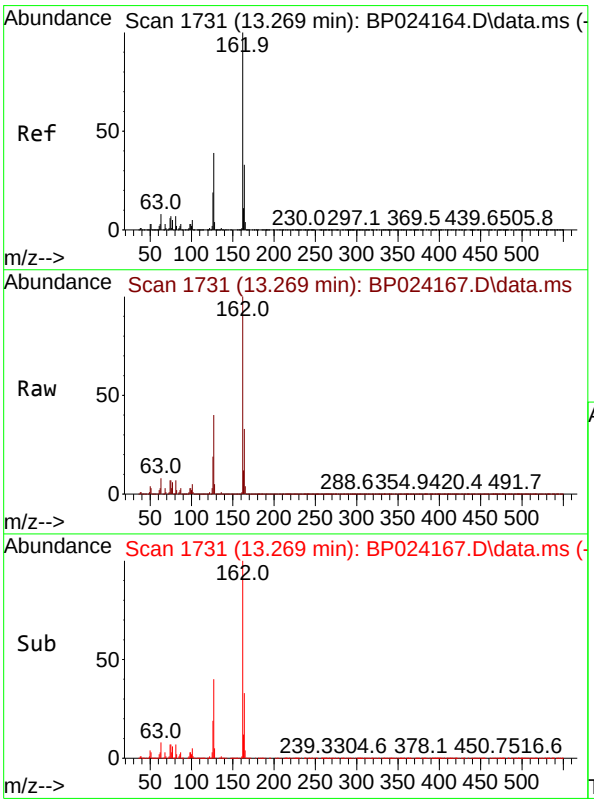

#46
1,1'-Biphenyl
Concen: 78.284 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:154 Resp: 5406424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.6 | 20.3 | 60.3 |
| 76 | 13.4 | 0.0 | 32.9 |

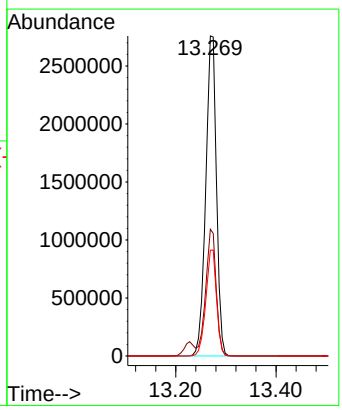


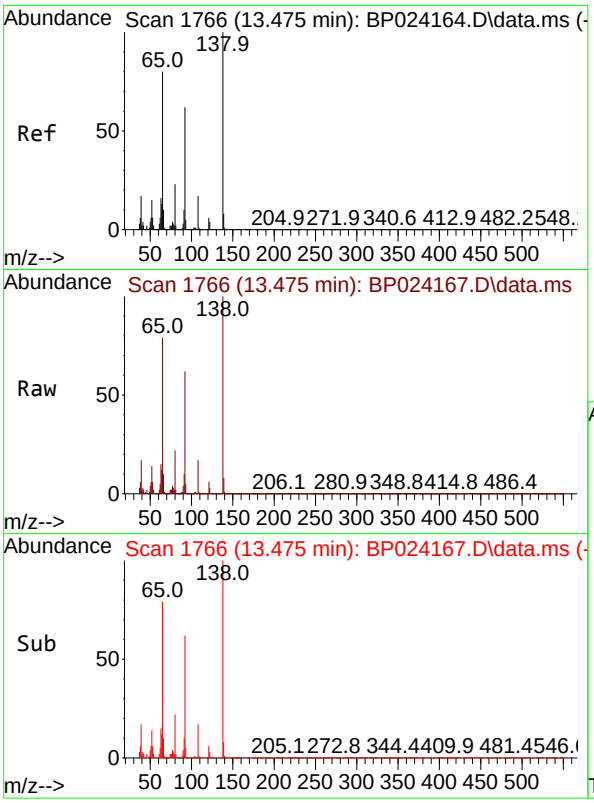




#47
2-Chloronaphthalene
Concen: 78.432 ng
RT: 13.269 min Scan# 1731
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:162 Resp: 4094698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 39.6 | 31.5 | 47.3 |
| 164 | 33.0 | 26.6 | 39.8 |



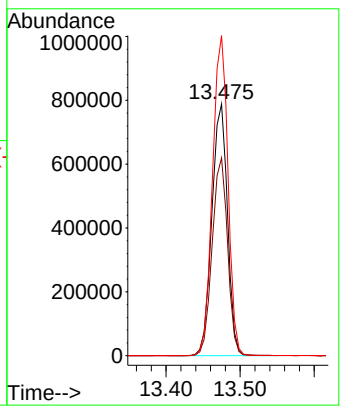


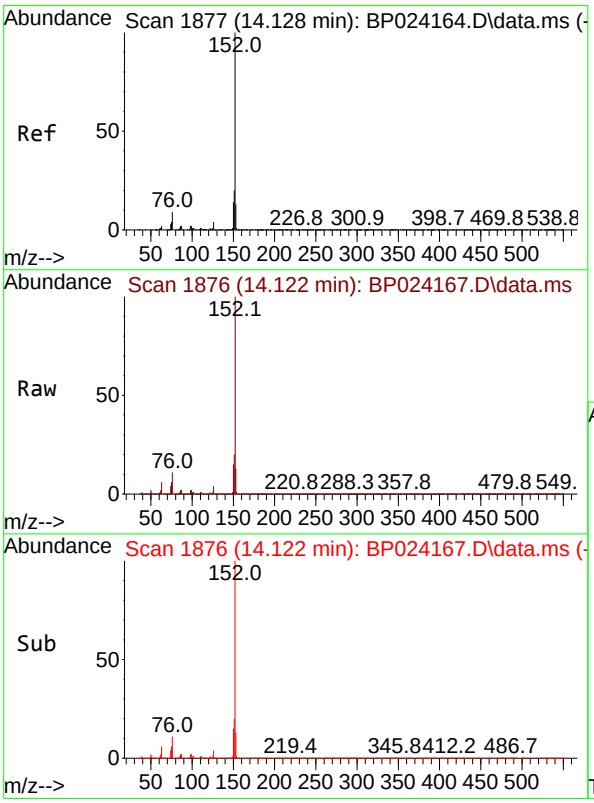

#48
2-Nitroaniline
Concen: 93.303 ng
RT: 13.475 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 65 Resp: 1150637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 78.6 | 62.1 | 93.1 |
| 138 | 127.1 | 99.5 | 149.3 |

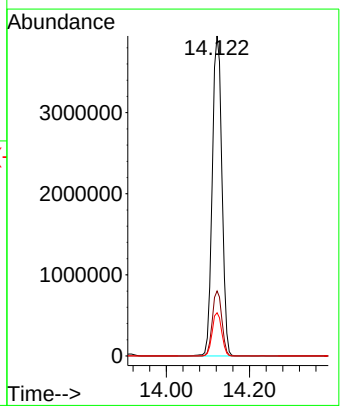


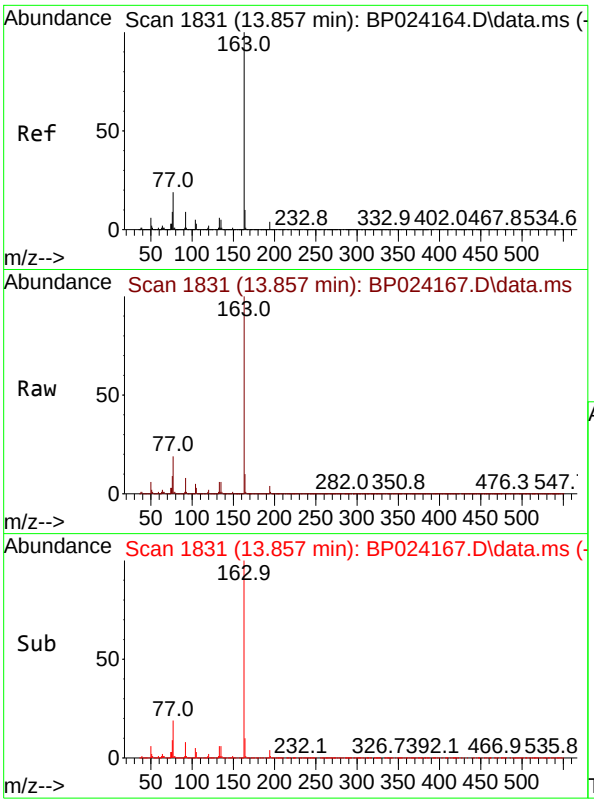




#49
Acenaphthylene
Concen: 82.473 ng
RT: 14.122 min Scan# 1876
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:152 Resp: 6343598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.0 | 24.0 |
| 153 | 13.5 | 10.6 | 15.8 |



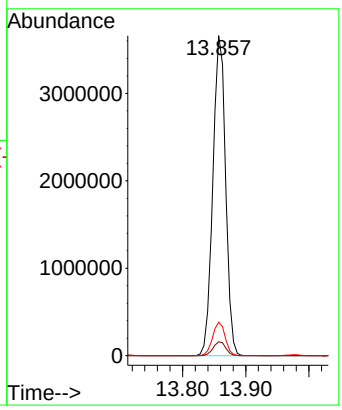


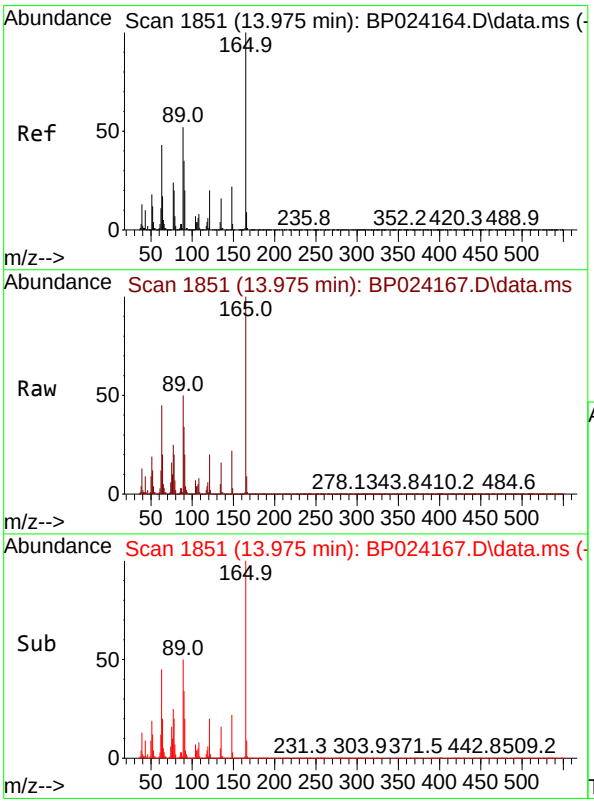

#50
Dimethylphthalate
Concen: 81.603 ng
RT: 13.857 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:163 Resp: 5115780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.4 | 3.4 | 5.0 |
| 164 | 10.5 | 8.2 | 12.4 |

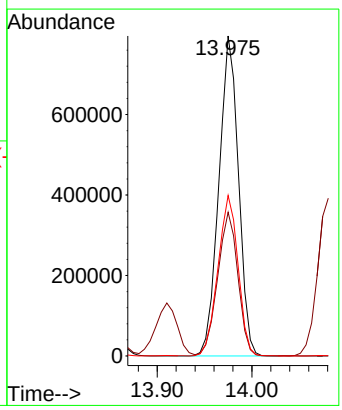


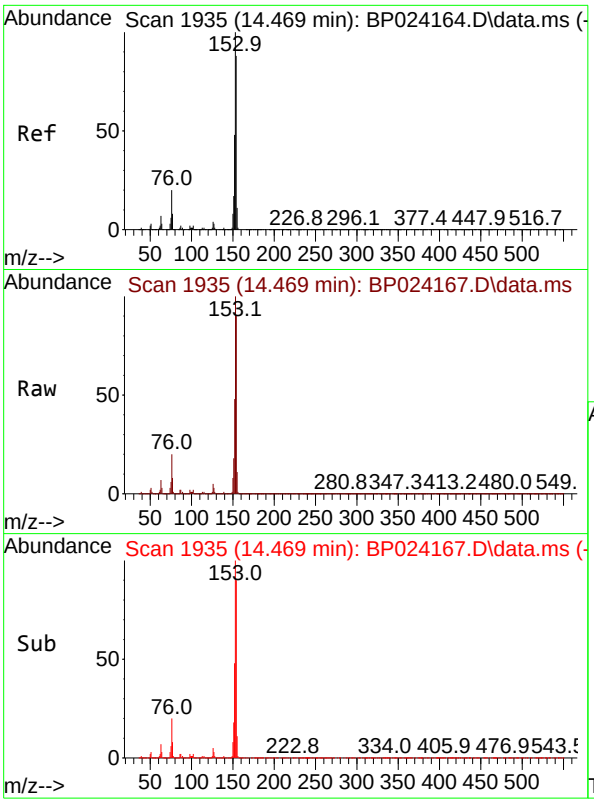




#51
2,6-Dinitrotoluene
Concen: 89.740 ng
RT: 13.975 min Scan# 1851
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:165 Resp: 1146015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 44.9 | 37.7 | 56.5 |
| 89 | 50.2 | 41.9 | 62.9 |



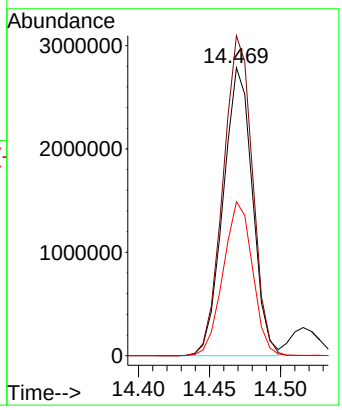


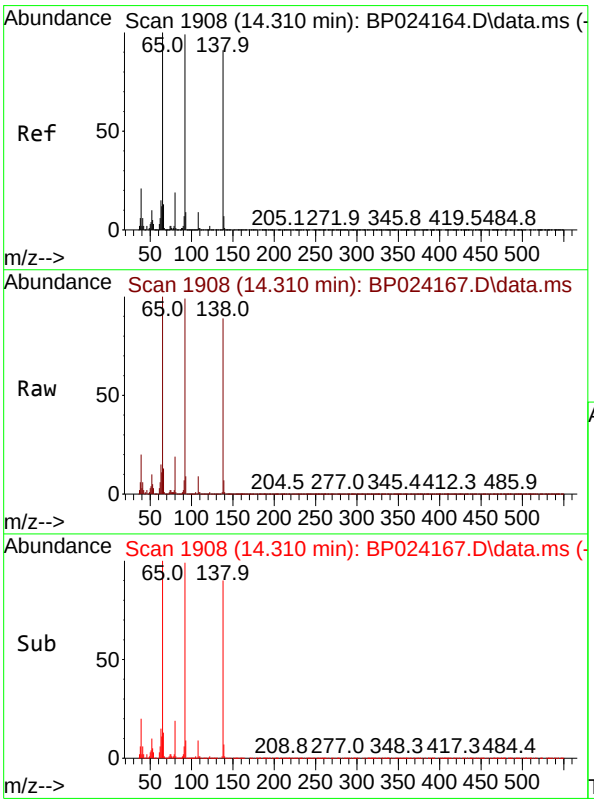

#52
Acenaphthene
Concen: 80.473 ng
RT: 14.469 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:154 Resp: 3985981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.1 | 90.5 | 135.7 |
| 152 | 53.5 | 43.1 | 64.7 |

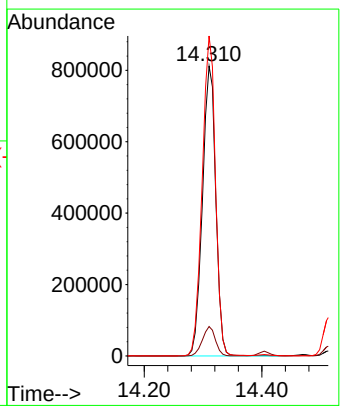


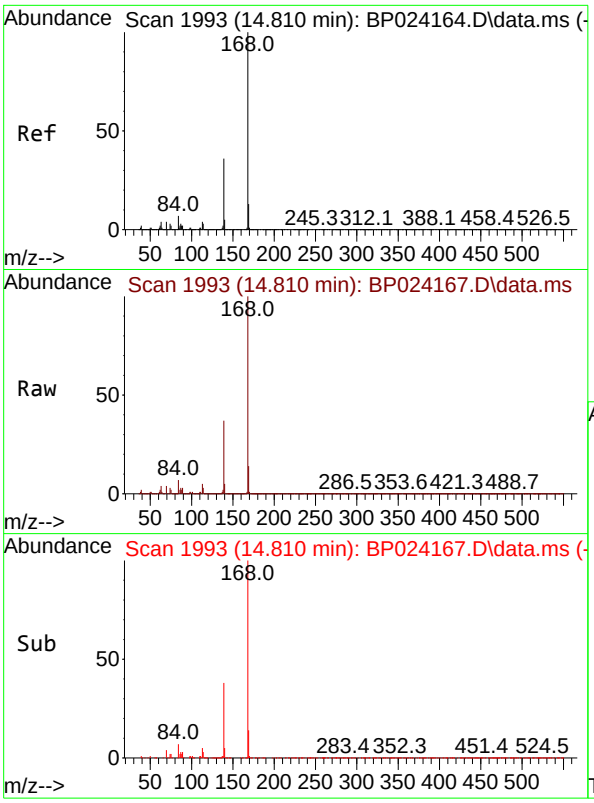




#53
3-Nitroaniline
Concen: 93.713 ng
RT: 14.310 min Scan# 1908
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:138 Resp: 1277036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.2 | 8.2 | 12.2 |
| 92 | 110.4 | 86.7 | 130.1 |



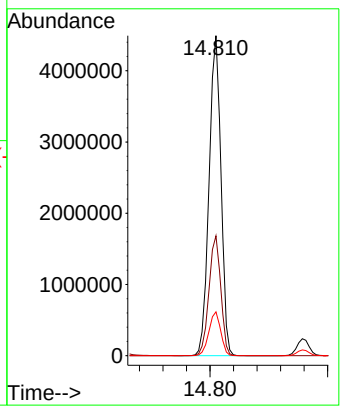


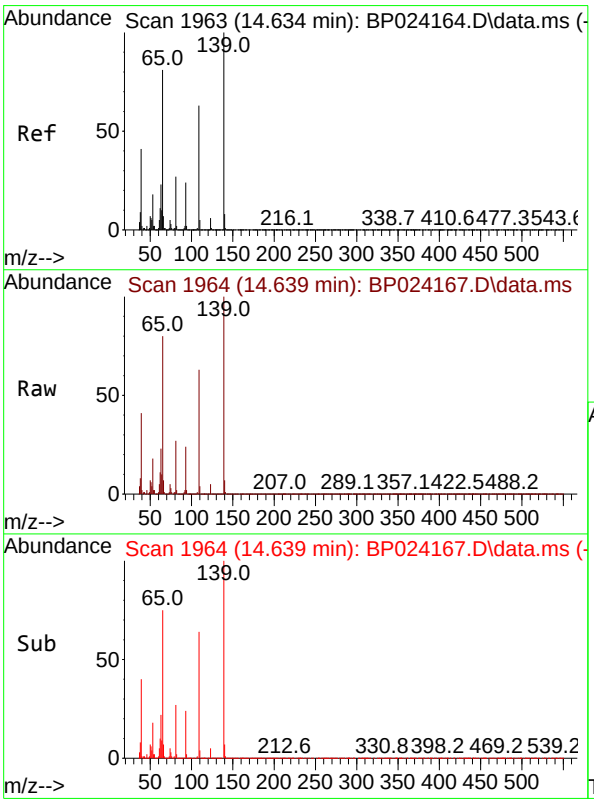

#55
Dibenzofuran
Concen: 78.144 ng
RT: 14.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:168 Resp: 6287848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.4 | 29.1 | 43.7 |
| 169 | 13.7 | 10.8 | 16.2 |

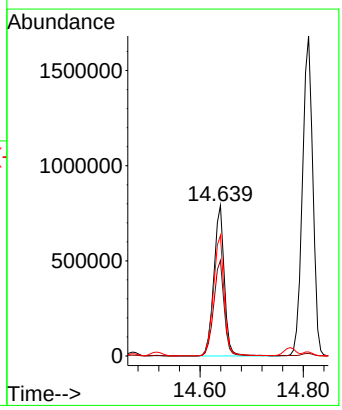


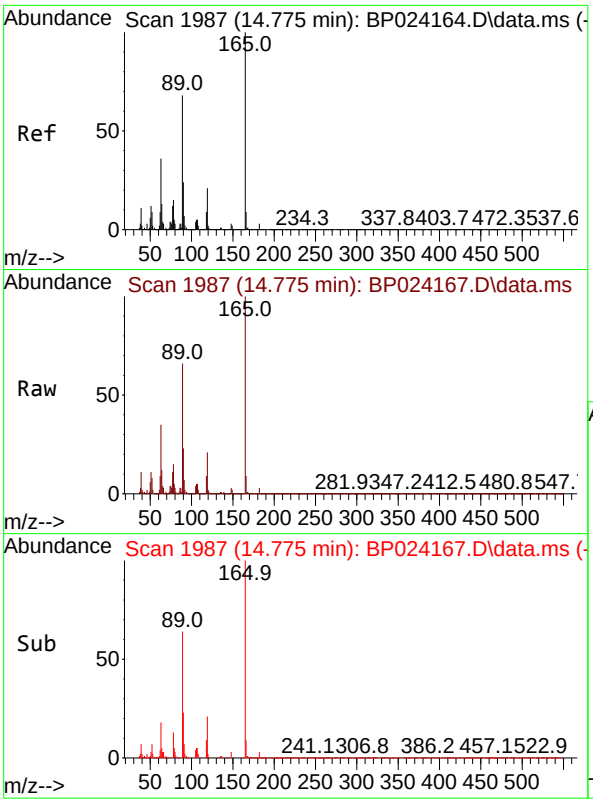




#56
4-Nitrophenol
Concen: 94.320 ng
RT: 14.639 min Scan# 1964
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:139 Resp: 1110260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 63.5 | 43.3 | 83.3 |
| 65 | 80.2 | 61.2 | 101.2 |



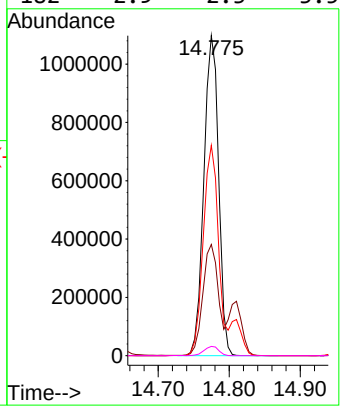


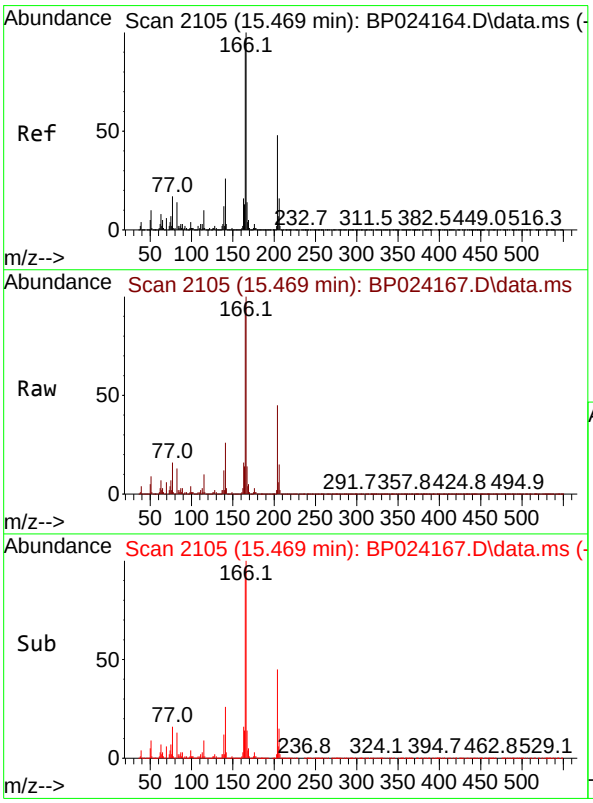

#57
2,4-Dinitrotoluene
Concen: 95.524 ng
RT: 14.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:165 Resp: 1584658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 34.8 | 29.0 | 43.6 |
| 89 | 65.7 | 54.2 | 81.4 |
| 182 | 2.9 | 2.3 | 3.5 |

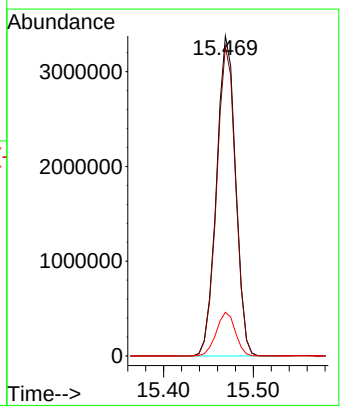


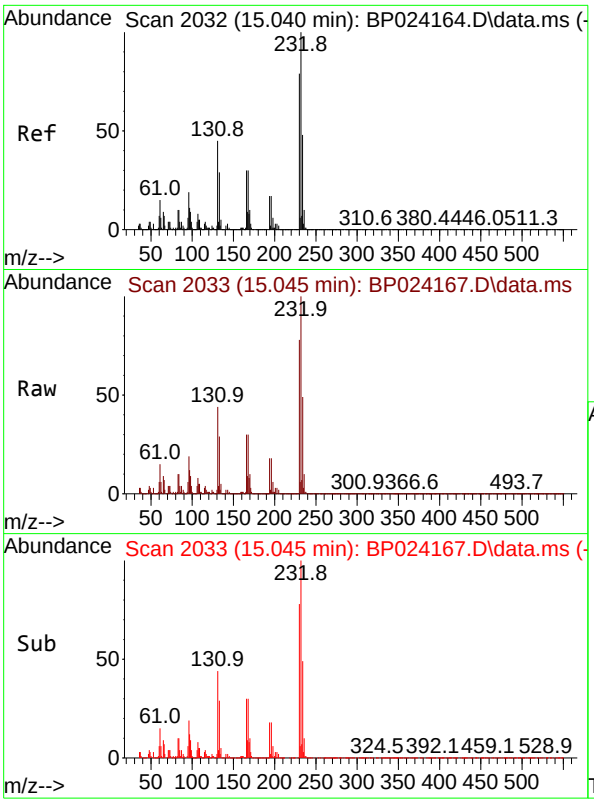




#58
Fluorene
Concen: 79.298 ng
RT: 15.469 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:166 Resp: 4983161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.7 | 77.6 | 116.4 |
| 167 | 13.7 | 10.8 | 16.2 |



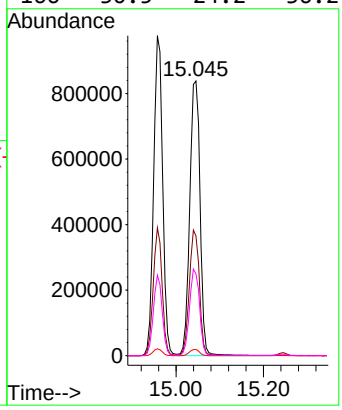


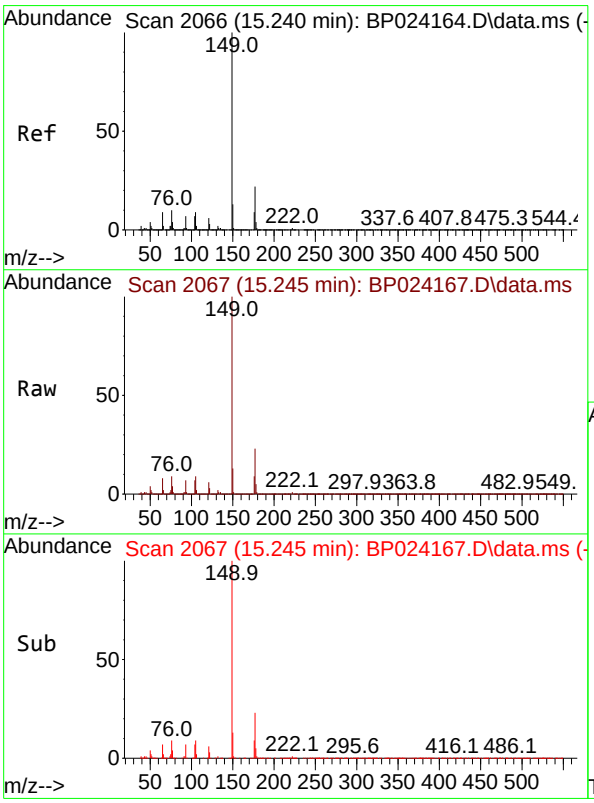

#59
2,3,4,6-Tetrachlorophenol
Concen: 86.797 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:232 Resp: 1371535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 44.8 | 35.9 | 53.9 |
| 130 | 2.2 | 1.8 | 2.6 |
| 166 | 30.5 | 24.2 | 36.2 |

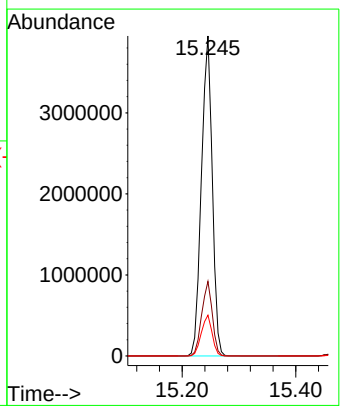


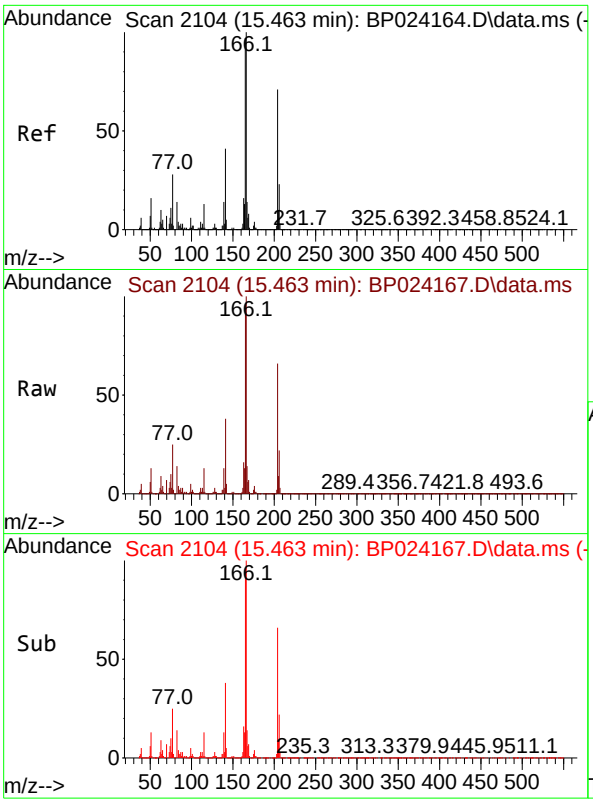




#60
Diethylphthalate
Concen: 83.898 ng
RT: 15.245 min Scan# 2067
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:149 Resp: 5221159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 23.3 | 17.7 | 26.5 |
| 150 | 12.7 | 10.2 | 15.4 |



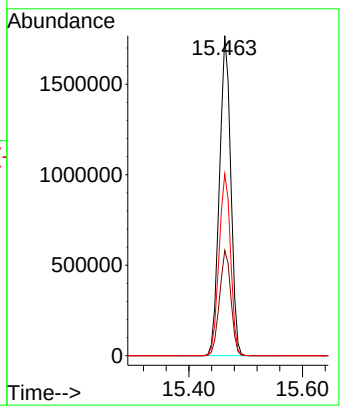


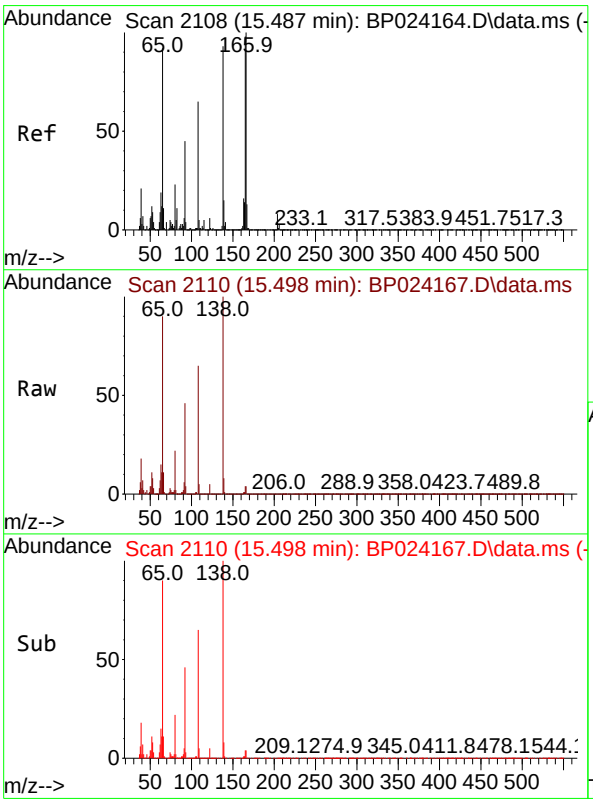

#61
4-Chlorophenyl-phenylether
Concen: 79.305 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:204 Resp: 2453010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.8 | 26.4 | 39.6 |
| 141 | 56.8 | 45.8 | 68.8 |

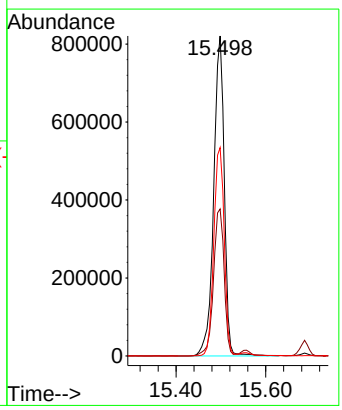


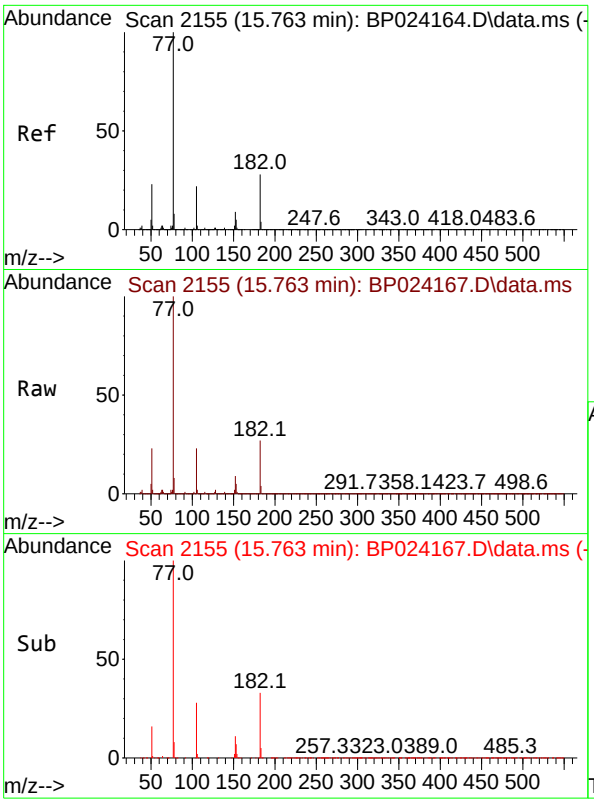




#62
4-Nitroaniline
Concen: 95.238 ng
RT: 15.498 min Scan# 2110
Delta R.T. 0.012 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:138 Resp: 1346814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 46.0 | 28.7 | 68.7 |
| 108 | 65.1 | 49.5 | 89.5 |



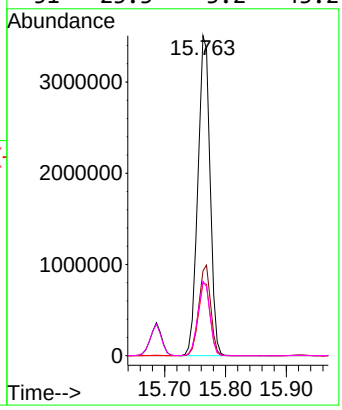


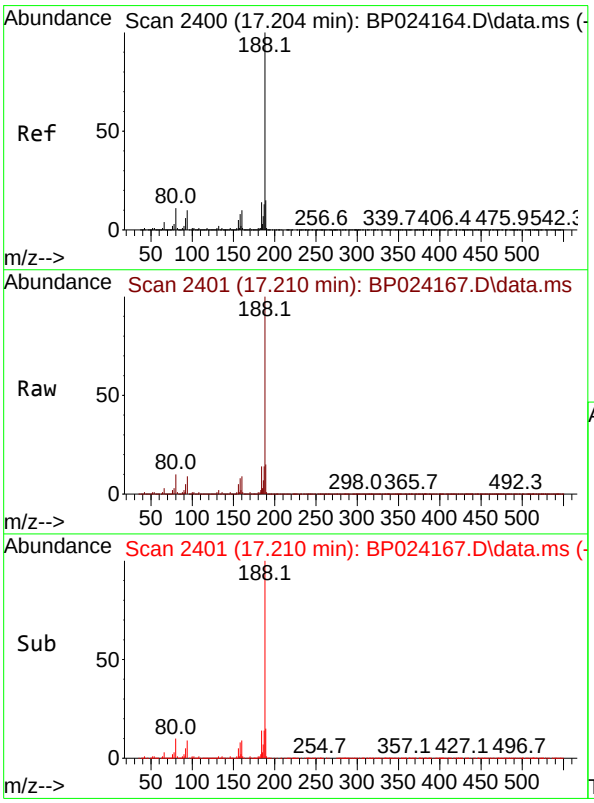

#63
Azobenzene
Concen: 83.196 ng
RT: 15.763 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 77 Resp: 4851665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.5 | 7.7 | 47.7 |
| 105 | 22.7 | 2.3 | 42.3 |
| 51 | 23.3 | 3.2 | 43.2 |

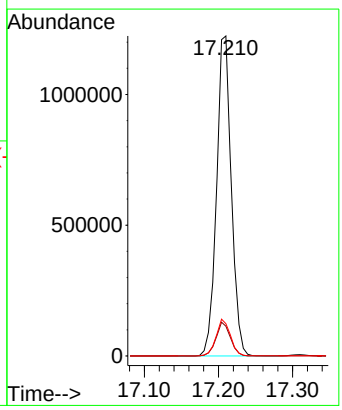


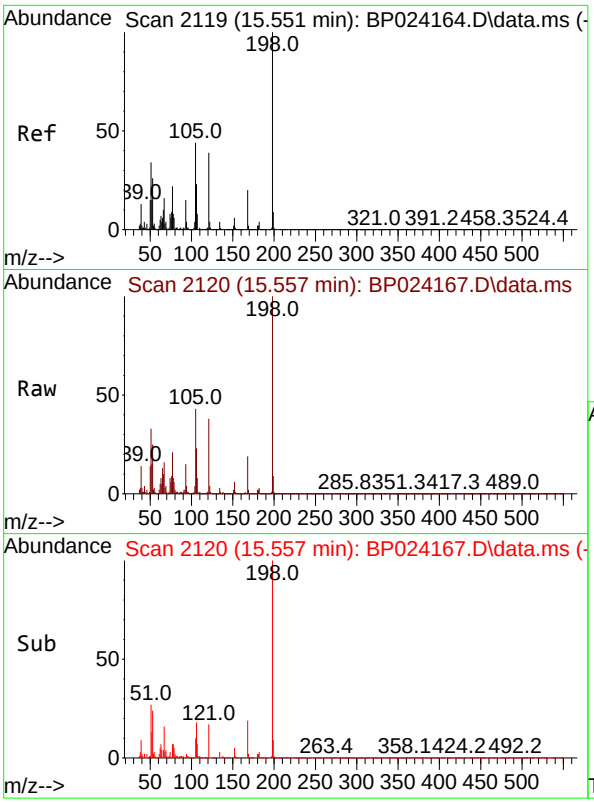




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 2401
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:188 Resp: 1690241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.3 | 8.1 | 12.1 |
| 80 | 10.1 | 8.9 | 13.3 |



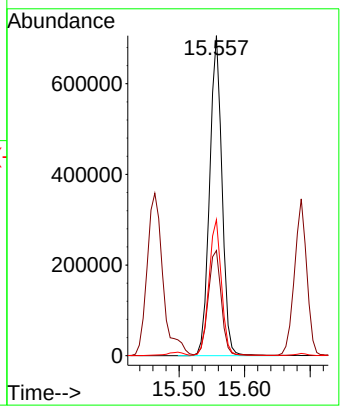


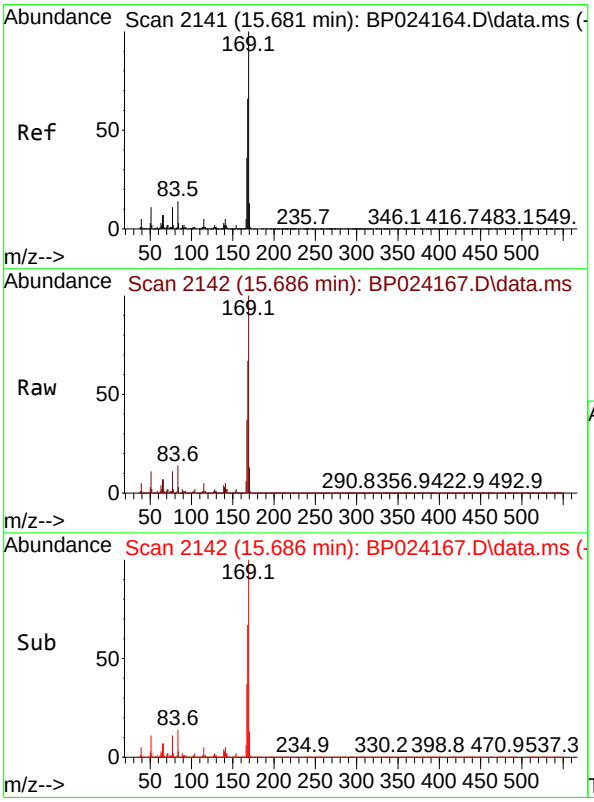

#65
4,6-Dinitro-2-methylphenol
Concen: 94.517 ng
RT: 15.557 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:198 Resp: 924643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 32.8 | 14.7 | 54.7 |
| 105 | 42.5 | 23.8 | 63.8 |

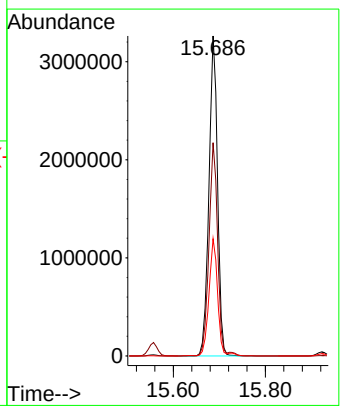


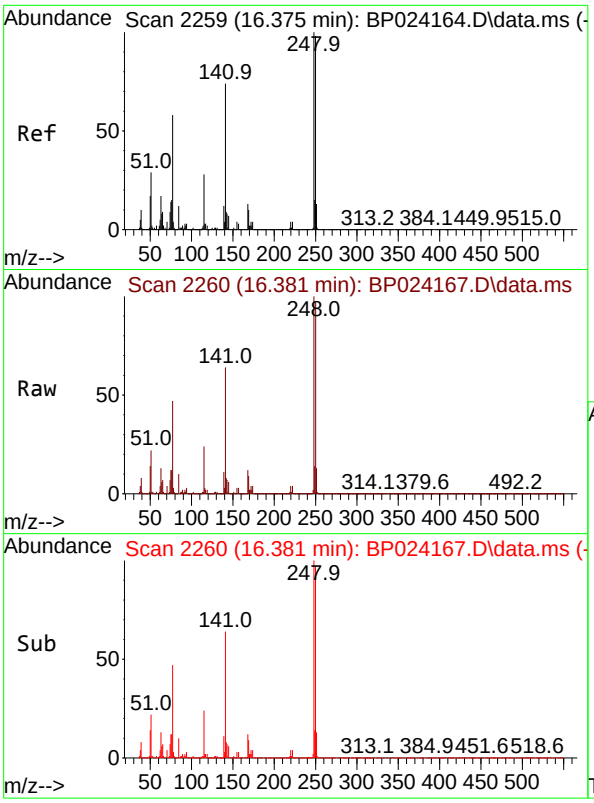




#66
n-Nitrosodiphenylamine
Concen: 80.285 ng
RT: 15.686 min Scan# 2142
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:169 Resp: 4231796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.6 | 52.9 | 79.3 |
| 167 | 36.7 | 28.8 | 43.2 |



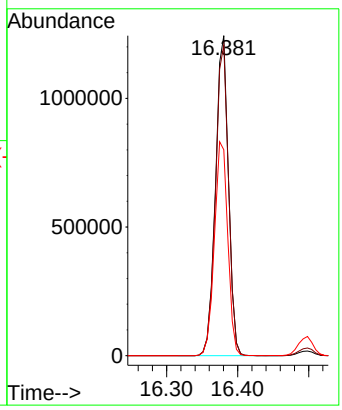


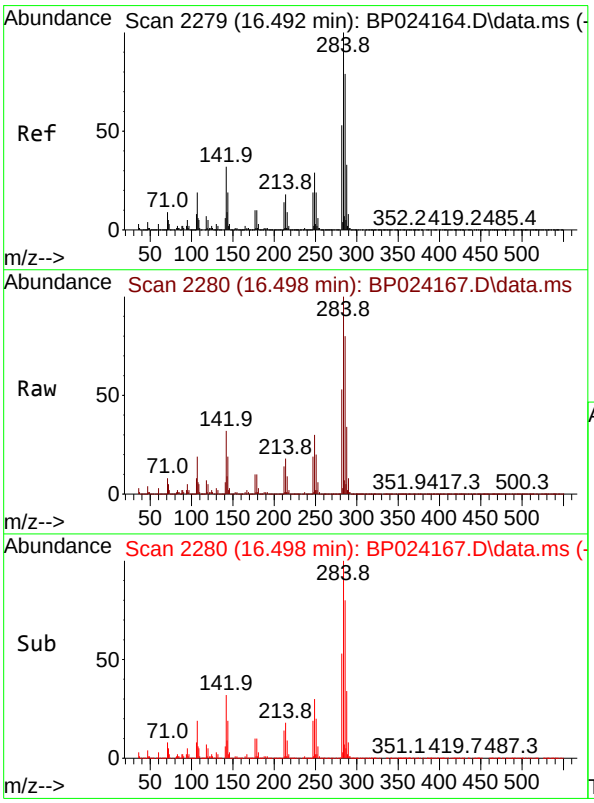

#67
4-Bromophenyl-phenylether
Concen: 82.455 ng
RT: 16.381 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:248 Resp: 1565037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.1 | 78.4 | 117.6 |
| 141 | 64.3 | 59.4 | 89.0 |

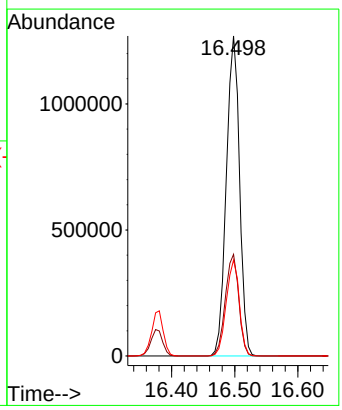


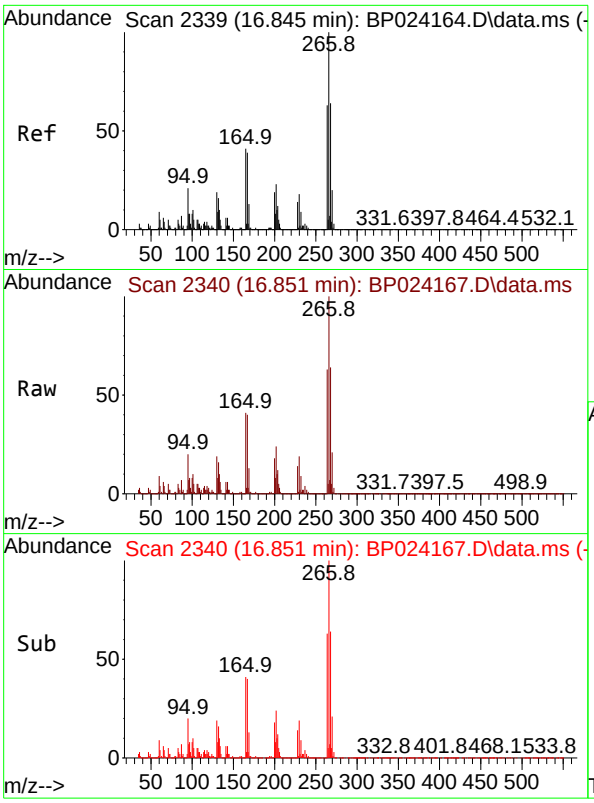




#68
Hexachlorobenzene
Concen: 82.437 ng
RT: 16.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:284 Resp: 1841149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.7 | 25.4 | 38.2 |
| 249 | 30.0 | 23.5 | 35.3 |



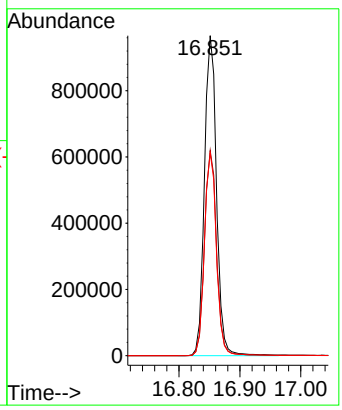


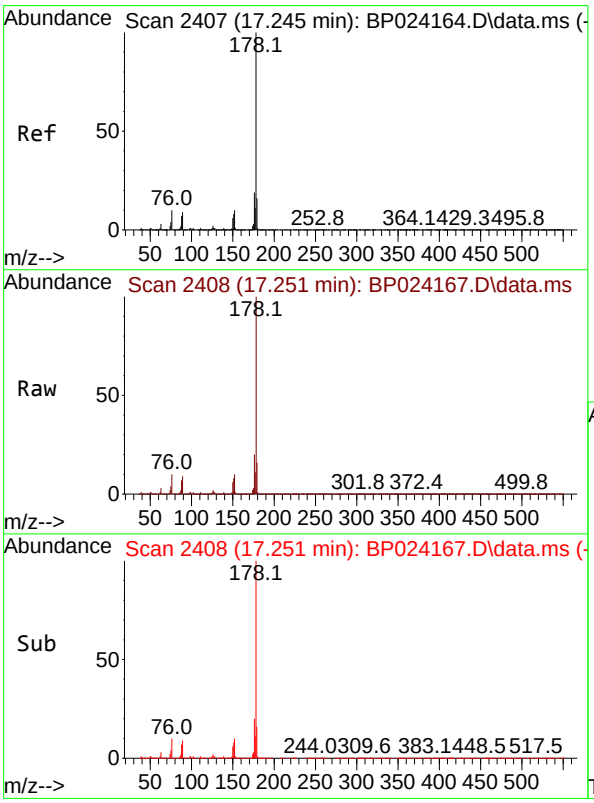

#70
Pentachlorophenol
Concen: 92.003 ng
RT: 16.851 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:266 Resp: 1334567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.1 | 51.3 | 76.9 |
| 264 | 63.4 | 50.6 | 76.0 |

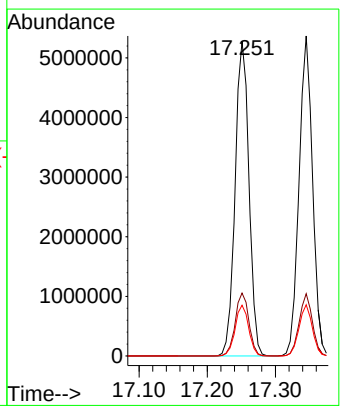


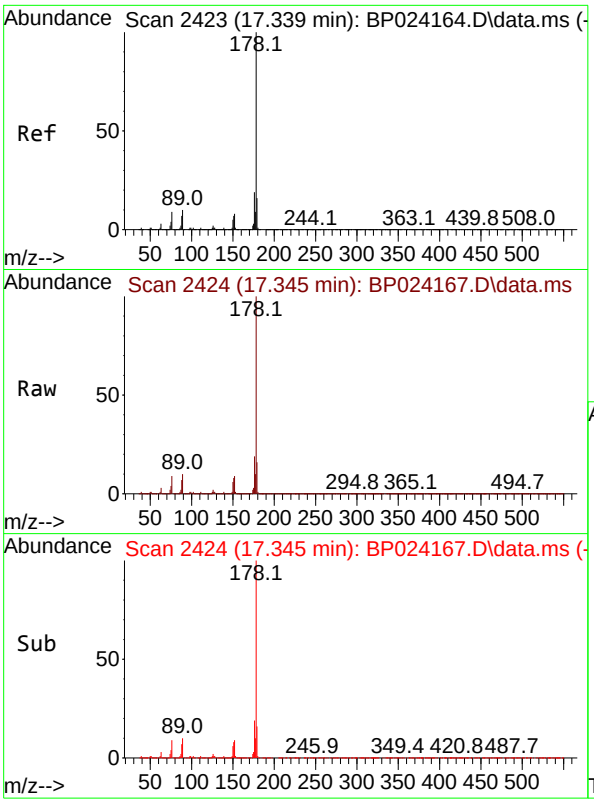




#71
Phenanthrene
Concen: 78.188 ng
RT: 17.251 min Scan# 2408
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:178 Resp: 7450840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.0 | 15.6 | 23.4 |
| 179 | 16.1 | 12.5 | 18.7 |



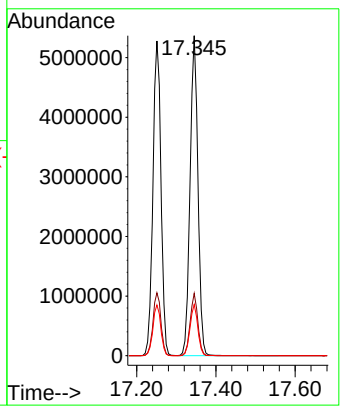


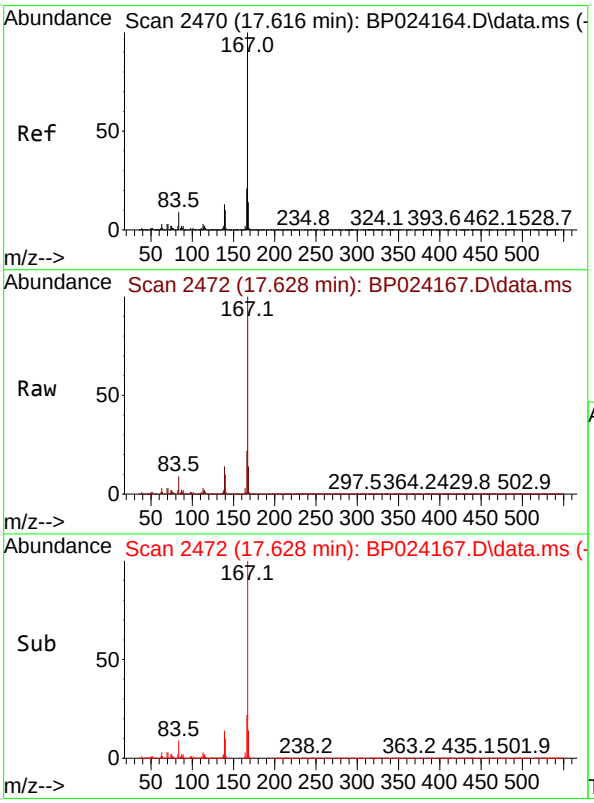

#72
Anthracene
Concen: 81.264 ng
RT: 17.345 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:178 Resp: 7420971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 15.2 | 22.8 |
| 179 | 16.0 | 12.6 | 18.8 |

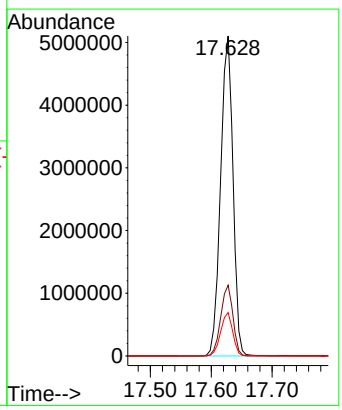


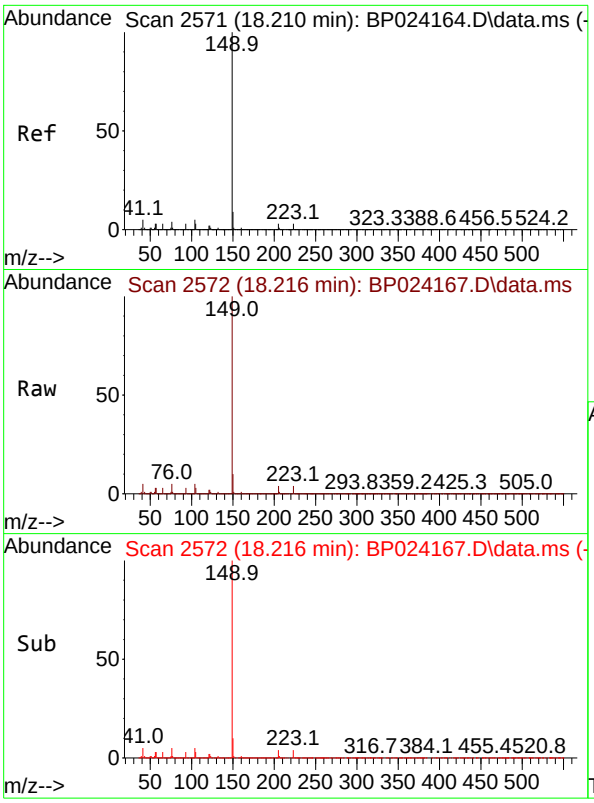




#73
Carbazole
Concen: 82.862 ng
RT: 17.628 min Scan# 2472
Delta R.T. 0.012 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:167 Resp: 7209600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.1 | 17.1 | 25.7 |
| 139 | 13.6 | 10.2 | 15.4 |



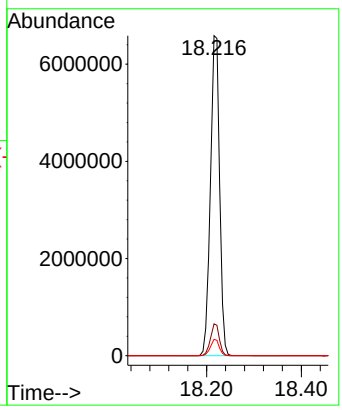


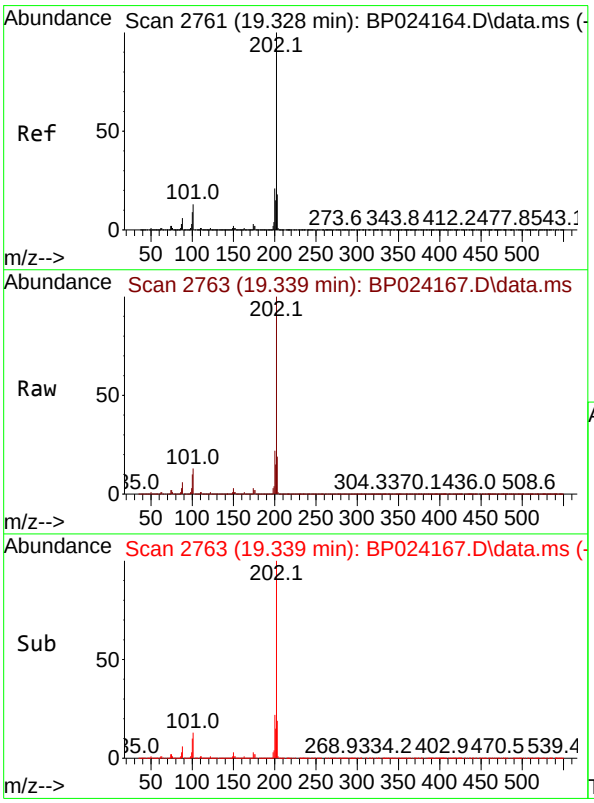

#74
Di-n-butylphthalate
Concen: 86.868 ng
RT: 18.216 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 8819030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 10.0 | 7.6 | 11.4 |
| 104 | 5.1 | 3.9 | 5.9 |

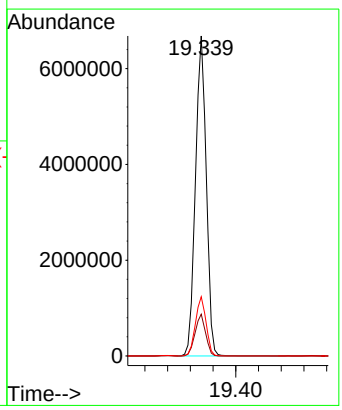


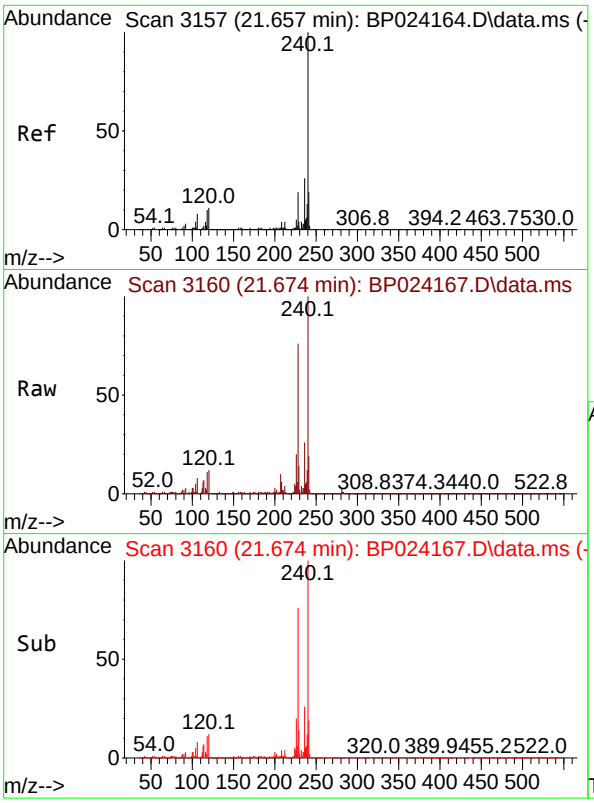




#75
Fluoranthene
Concen: 82.280 ng
RT: 19.339 min Scan# 2763
Delta R.T. 0.012 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:202 Resp: 8868502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.0 | 0.0 | 32.5 |
| 203 | 18.5 | 0.0 | 37.9 |



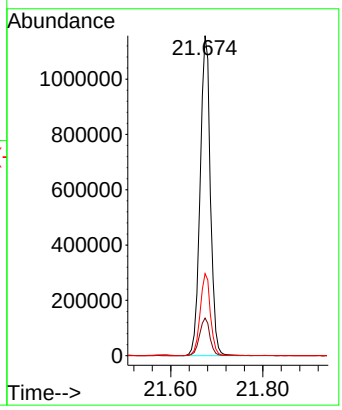


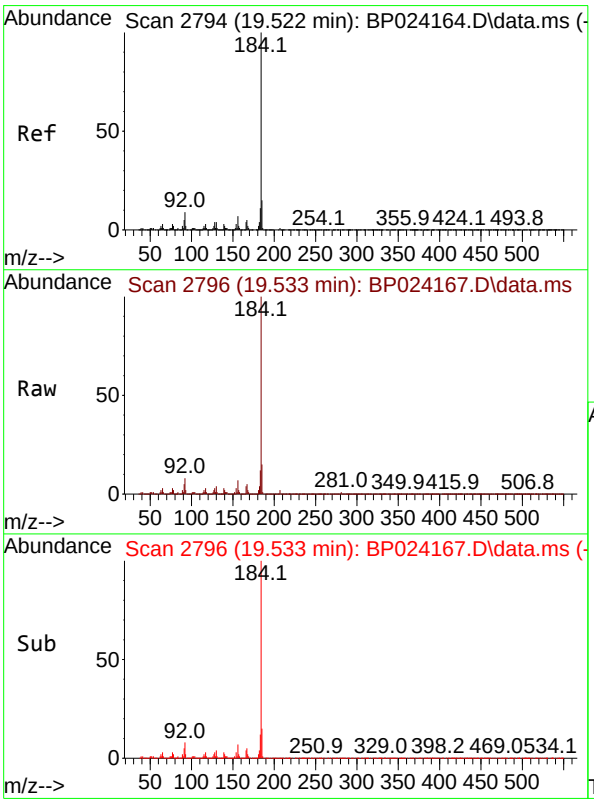

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.674 min Scan# 3
Delta R.T. 0.017 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:240 Resp: 1785678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.7 | 9.2 | 13.8 |
| 236 | 25.6 | 20.4 | 30.6 |

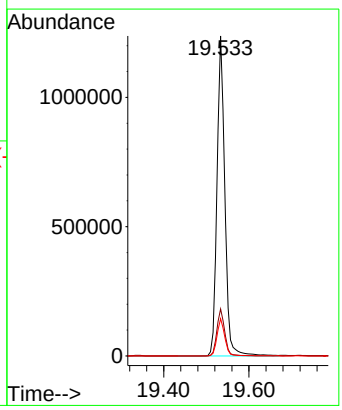


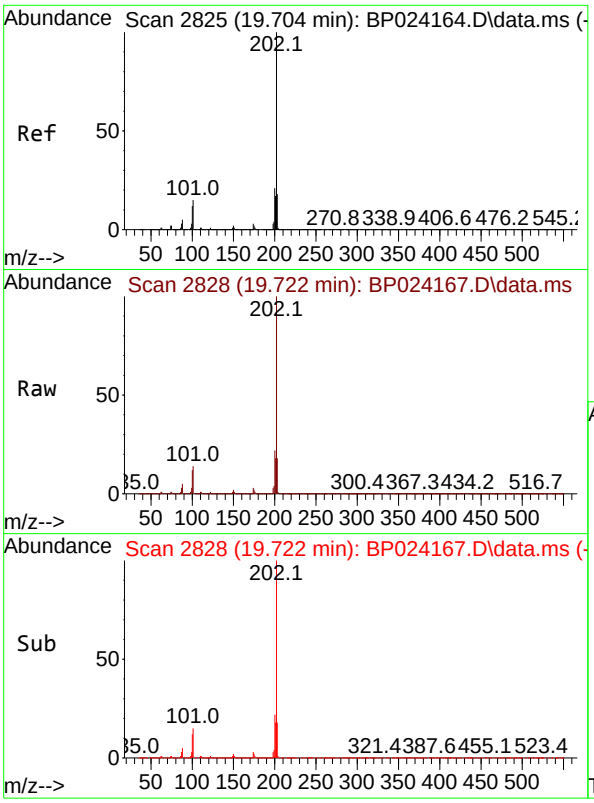




#77
Benzidine
Concen: 72.794 ng
RT: 19.533 min Scan# 2796
Delta R.T. 0.012 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:184 Resp: 1583965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.7 | 11.8 | 17.6 |
| 183 | 11.7 | 9.1 | 13.7 |



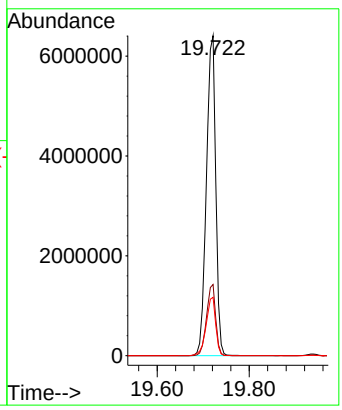


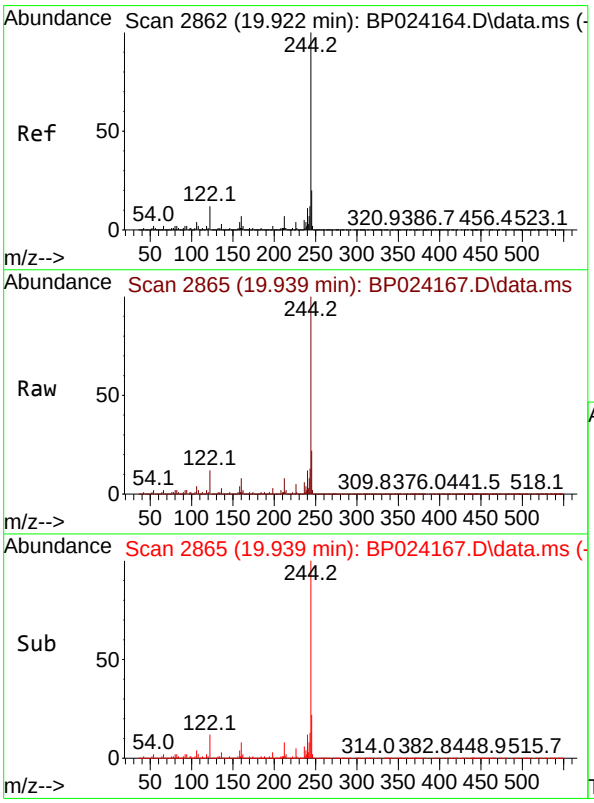

#78
Pyrene
Concen: 80.230 ng
RT: 19.722 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:202 Resp: 9100075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.3 | 17.1 | 25.7 |
| 203 | 18.3 | 14.2 | 21.4 |

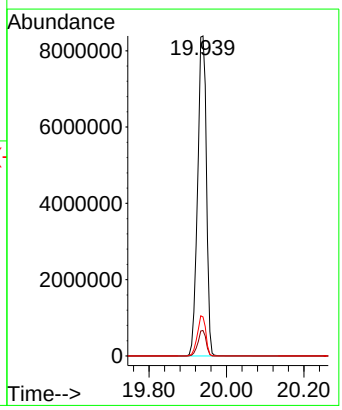


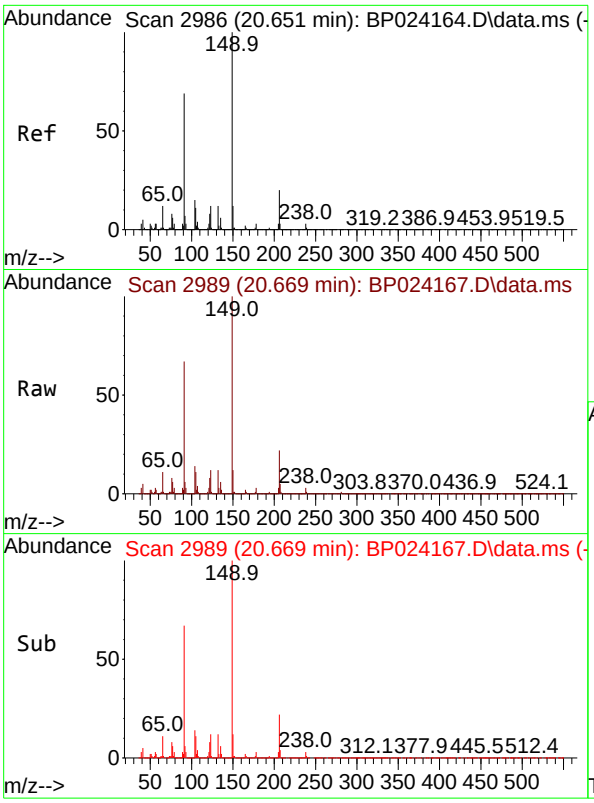




#79
Terphenyl-d14
Concen: 146.201 ng
RT: 19.939 min Scan# 2865
Delta R.T. 0.017 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:244 Resp:13193577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.0 | 5.7 | 8.5 |
| 122 | 12.2 | 9.6 | 14.4 |



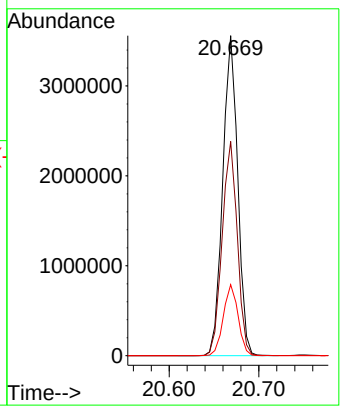


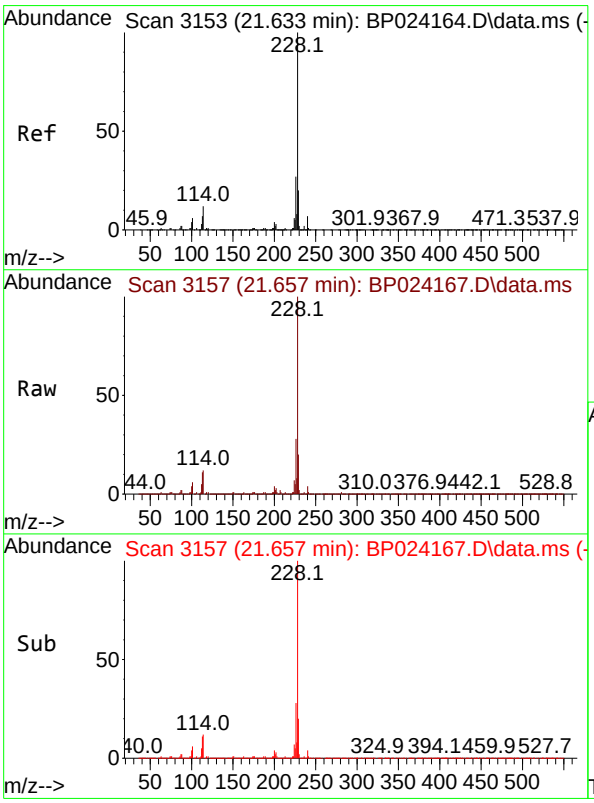

#80
Butylbenzylphthalate
Concen: 94.735 ng
RT: 20.669 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 4117551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 66.9 | 55.3 | 82.9 |
| 206 | 22.2 | 16.1 | 24.1 |

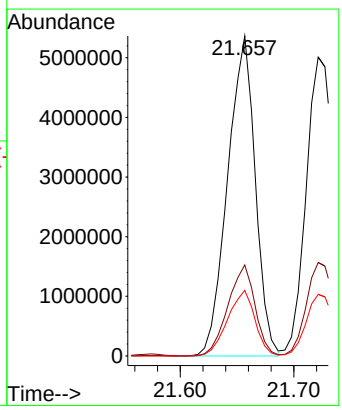


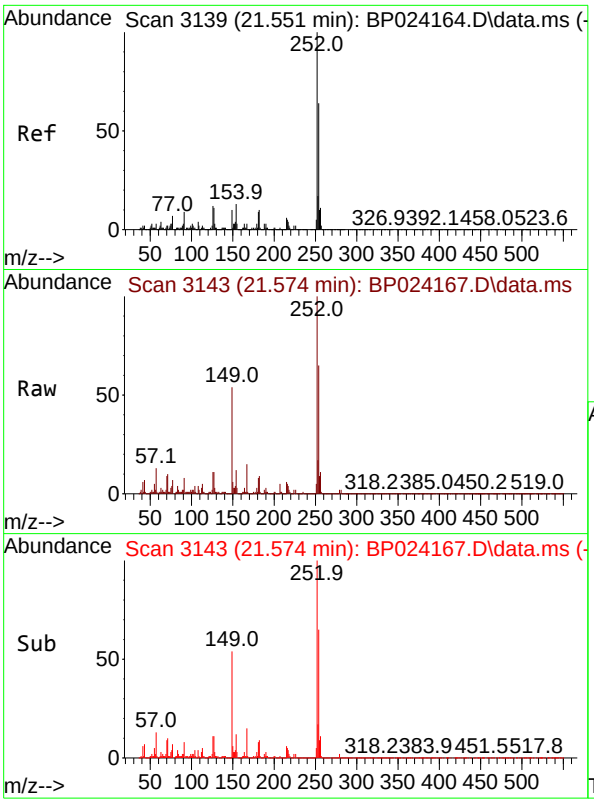




#81
Benzo(a)anthracene
Concen: 81.050 ng
RT: 21.657 min Scan# 3157
Delta R.T. 0.023 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:228 Resp: 9075269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.4 | 21.8 | 32.8 |
| 229 | 20.5 | 16.0 | 24.0 |



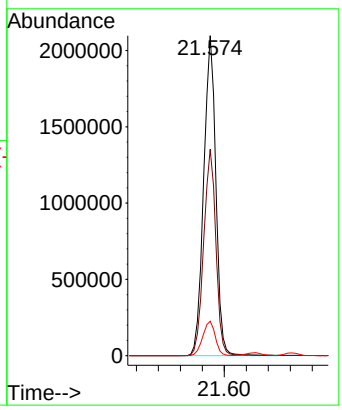


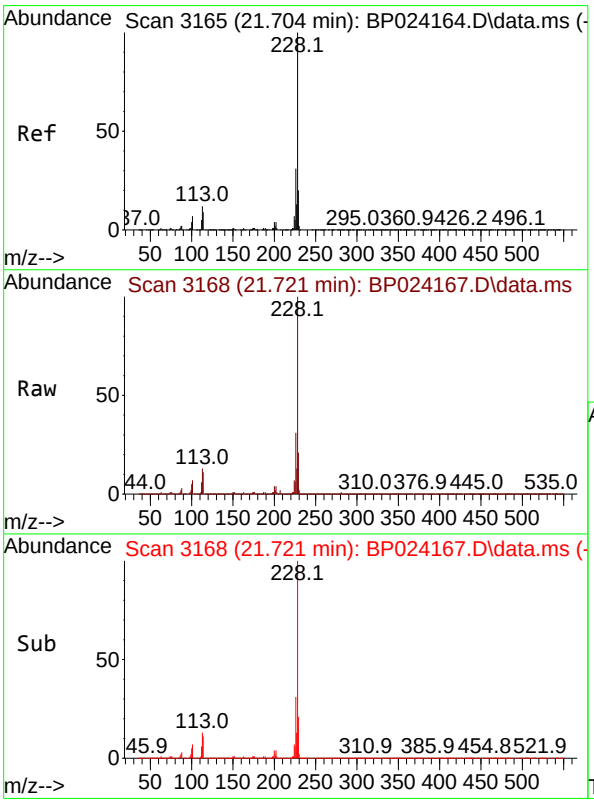

#82
3,3'-Dichlorobenzidine
Concen: 91.925 ng
RT: 21.574 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:252 Resp: 3216378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.5 | 51.4 | 77.2 |
| 126 | 10.8 | 9.3 | 13.9 |

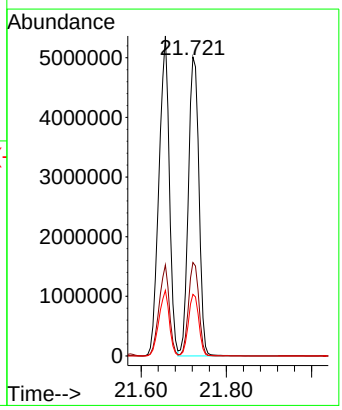


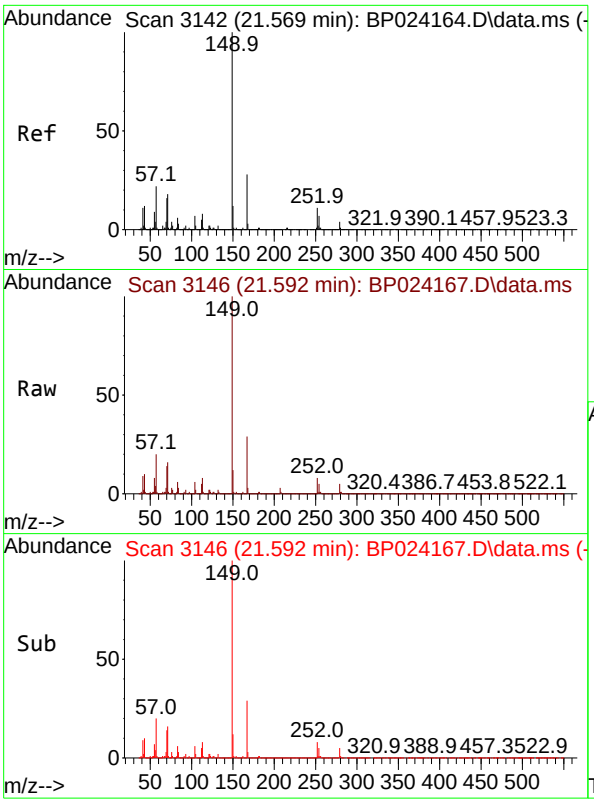




#83
Chrysene
Concen: 79.981 ng
RT: 21.721 min Scan# 3168
Delta R.T. 0.018 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:228 Resp: 8635685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.2 | 24.5 | 36.7 |
| 229 | 20.6 | 16.2 | 24.2 |



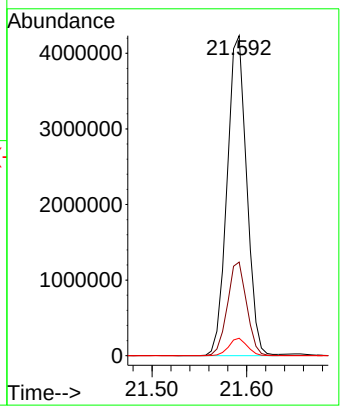


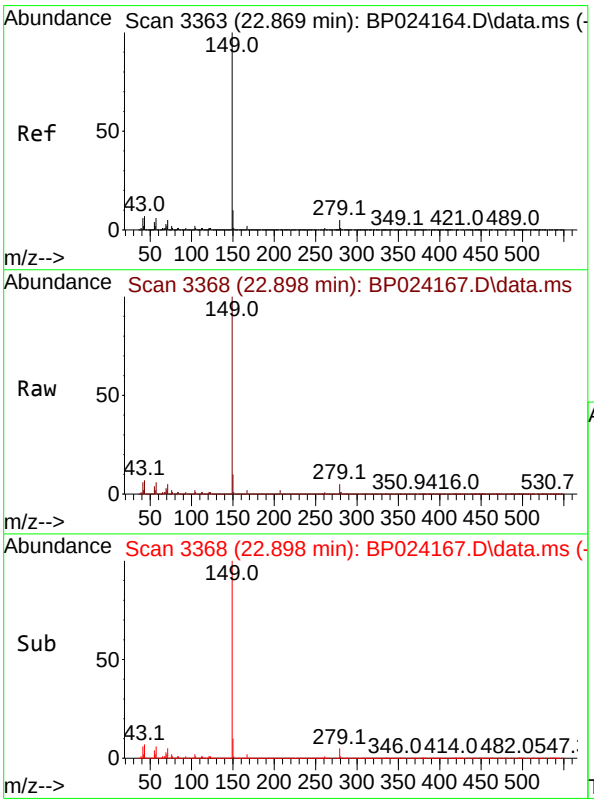

#84
Bis(2-ethylhexyl)phthalate
Concen: 92.215 ng
RT: 21.592 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp: 6077881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 29.2 | 22.5 | 33.7 |
| 279 | 5.5 | 3.6 | 5.4# |

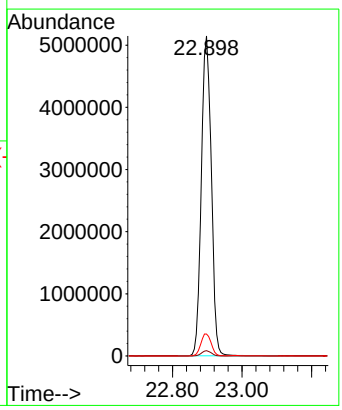


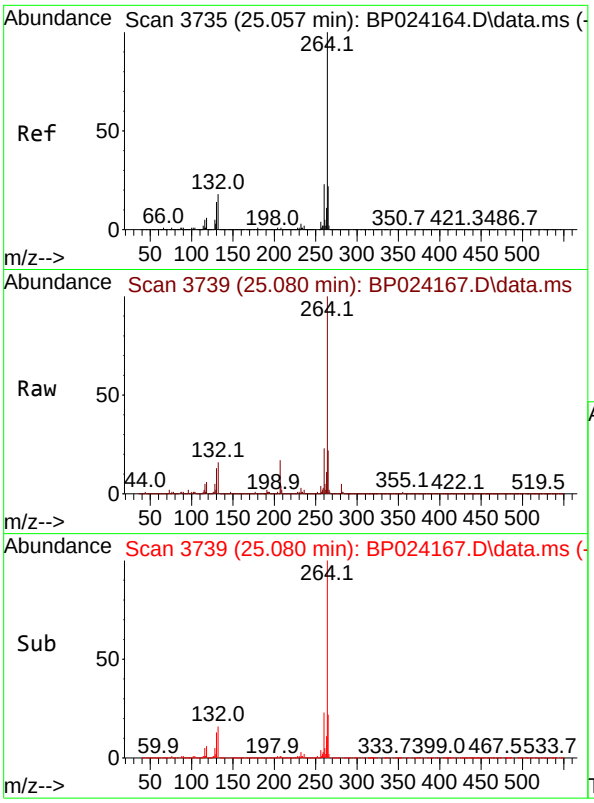




#85
Di-n-octyl phthalate
Concen: 97.189 ng
RT: 22.898 min Scan# 3368
Delta R.T. 0.029 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:149 Resp:10239008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 7.1 | 5.8 | 8.8 |



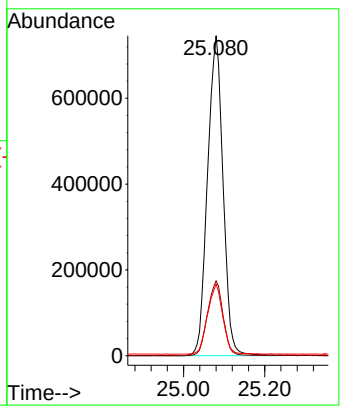


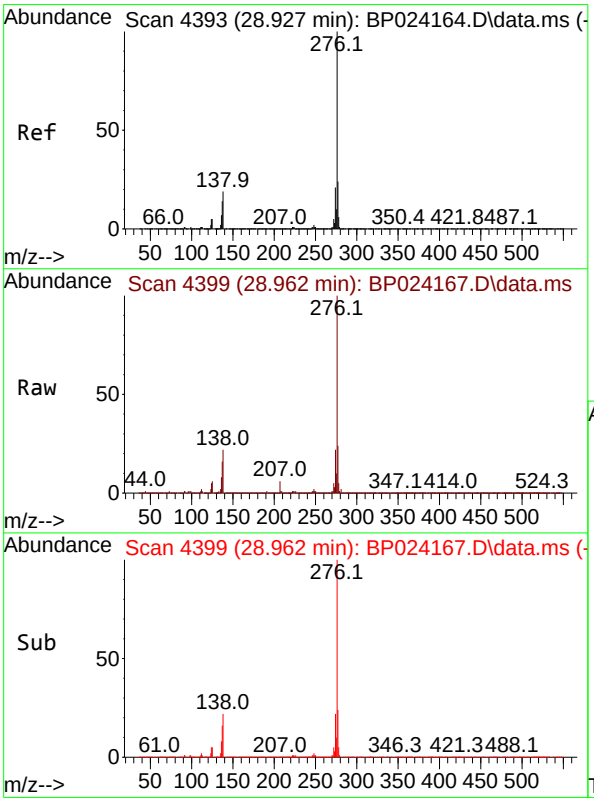

#86
Perylene-d12
Concen: 20.000 ng
RT: 25.080 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:264 Resp: 1974592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 18.5 | 27.7 |
| 265 | 22.3 | 17.7 | 26.5 |

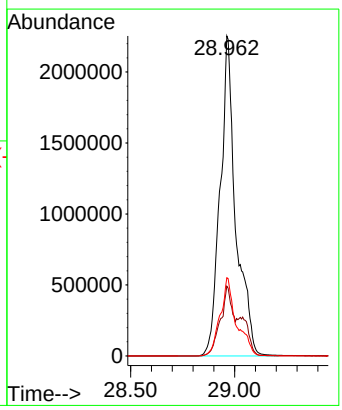


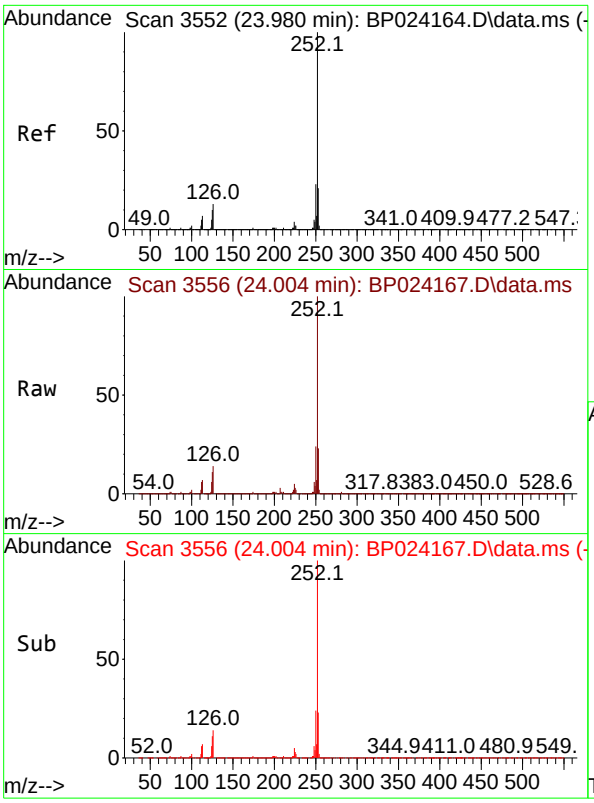




#87
Indeno(1,2,3-cd)pyrene
Concen: 84.301 ng
RT: 28.962 min Scan# 4399
Delta R.T. 0.035 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:276 Resp:11842118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.9 | 13.7 | 20.5 |
| 277 | 25.4 | 20.2 | 30.2 |



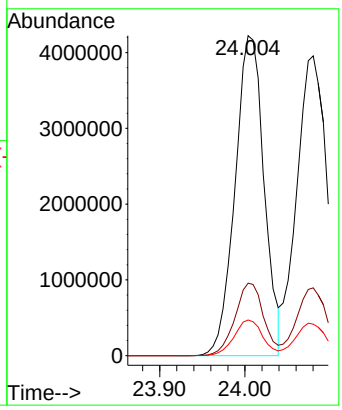


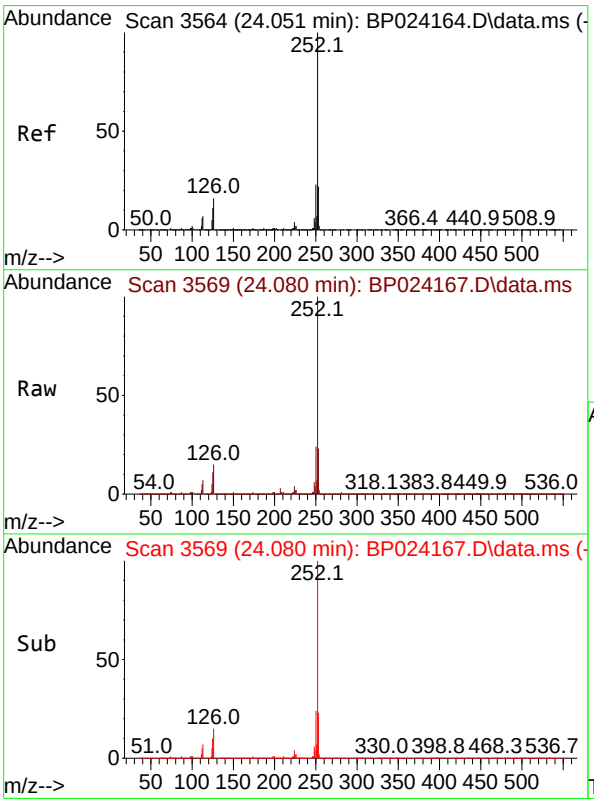

#88
Benzo(b)fluoranthene
Concen: 79.623 ng
RT: 24.004 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:252 Resp: 9984031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 17.2 | 25.8 |
| 125 | 11.1 | 8.2 | 12.4 |

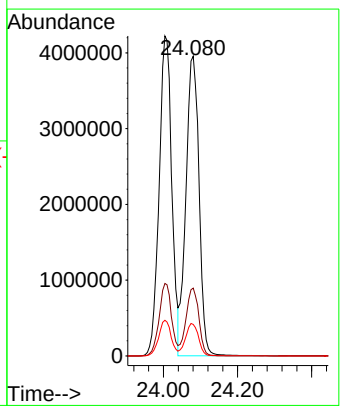


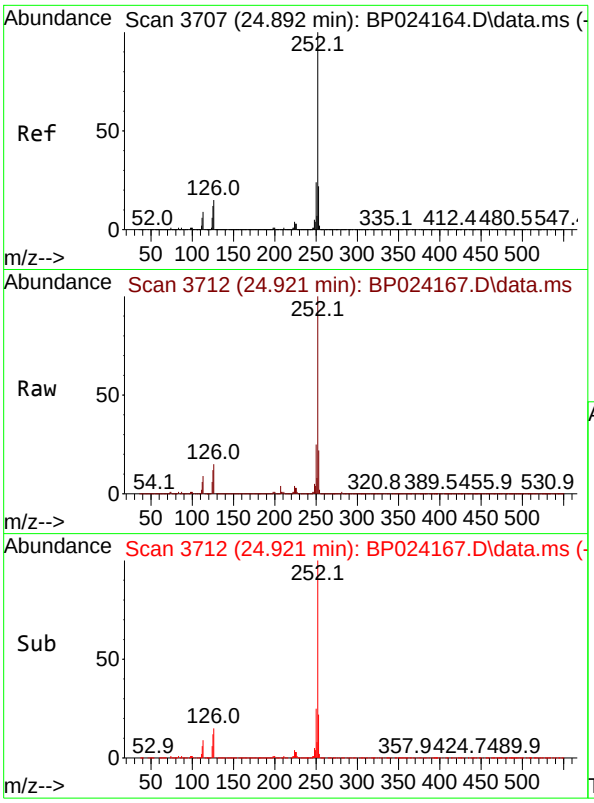




#89
Benzo(k)fluoranthene
Concen: 79.712 ng
RT: 24.080 min Scan# 3569
Delta R.T. 0.029 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:252 Resp: 9728938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.6 | 17.7 | 26.5 |
| 125 | 10.5 | 9.1 | 13.7 |



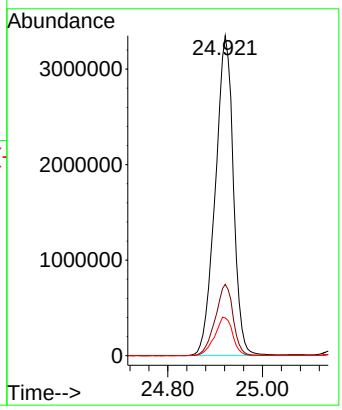


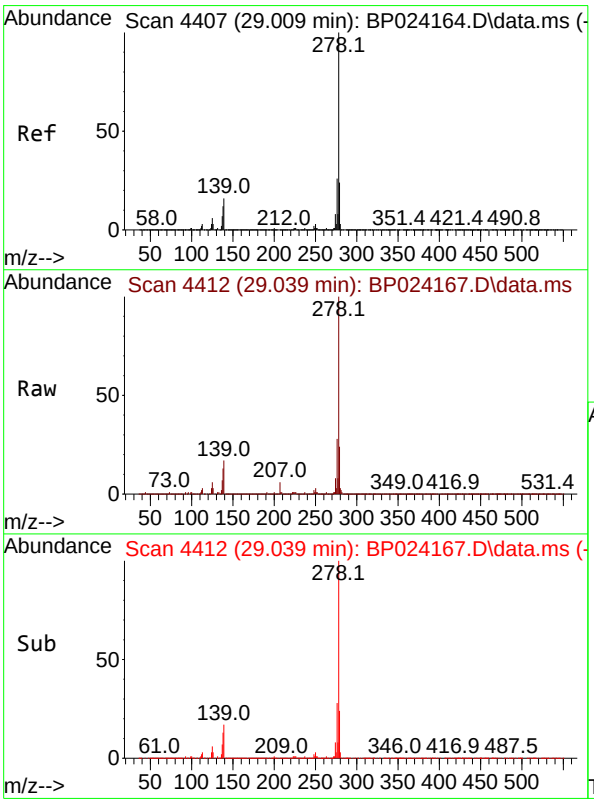

#90
Benzo(a)pyrene
Concen: 83.259 ng
RT: 24.921 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:252 Resp: 8860063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.4 | 26.0 |
| 125 | 11.8 | 9.6 | 14.4 |

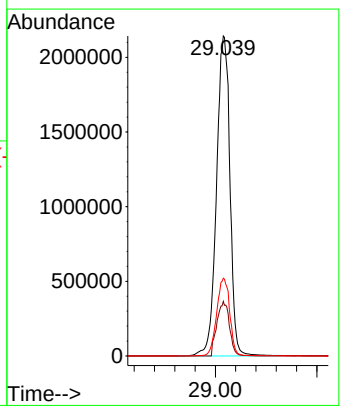


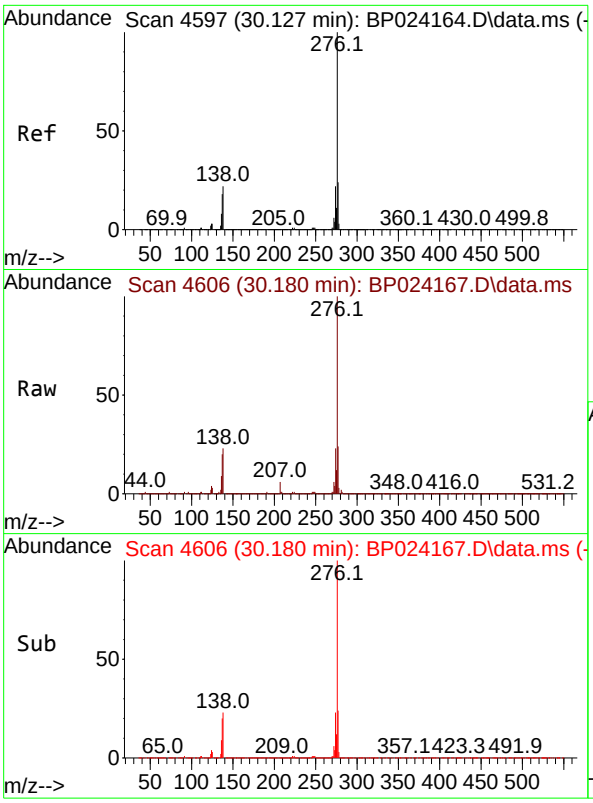




#91
Dibenzo(a,h)anthracene
Concen: 83.210 ng
RT: 29.039 min Scan# 4412
Delta R.T. 0.029 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:278 Resp: 9828241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.1 | 13.0 | 19.4 |
| 279 | 24.3 | 18.8 | 28.2 |



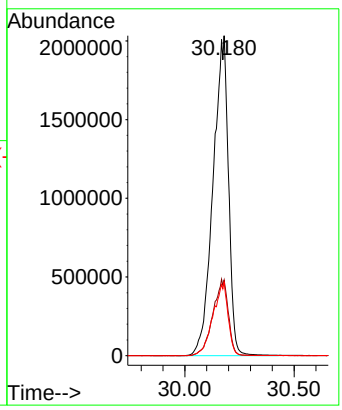



#92
Benzo(g,h,i)perylene
Concen: 82.940 ng
RT: 30.180 min Scan# 4
Delta R.T. 0.053 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:276 Resp: 9940803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 19.2 | 28.8 |
| 138 | 23.0 | 17.4 | 26.2 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024168.D
Acq On : 12 Mar 2025 21:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Quant Time: Mar 13 04:44:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:38:17 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.769 | 152 | 399821 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.552 | 136 | 1631941 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.404 | 164 | 966525 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.204 | 188 | 1810172 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.669 | 240 | 1903114 | 20.000 | ng | 0.01 |
| 86) Perylene-d12 | 25.069 | 264 | 2127367 | 20.000 | ng | 0.01 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.381 | 112 | 1959434 | 78.230 | ng | 0.00 |
| 7) Phenol-d6 | 6.952 | 99 | 2636154 | 78.704 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.922 | 82 | 2274955 | 78.652 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.922 | 330 | 995466 | 81.766 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.022 | 172 | 5105223 | 77.885 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.933 | 244 | 7241807 | 78.549 | ng | 0.01 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.317 | 88 | 376087 | 37.880 | ng | 99 |
| 3) Pyridine | 3.717 | 79 | 1050879 | 38.718 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.623 | 42 | 350385 | 38.646 | ng | 98 |
| 6) Aniline | 7.111 | 93 | 1202738 | 39.413 | ng | 100 |
| 8) 2-Chlorophenol | 7.346 | 128 | 1059150 | 39.149 | ng | 100 |
| 9) Benzaldehyde | 6.922 | 77 | 652848 | 40.389 | ng | 99 |
| 10) Phenol | 6.981 | 94 | 1314283 | 38.869 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 7.199 | 93 | 1018670 | 38.203 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.664 | 146 | 1118950 | 38.353 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 7.805 | 146 | 1130770 | 37.960 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.122 | 146 | 1089564 | 38.116 | ng | 100 |
| 15) Benzyl Alcohol | 8.011 | 79 | 848187 | 39.999 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.299 | 45 | 1043834 | 38.356 | ng | 99 |
| 17) 2-Methylphenol | 8.216 | 107 | 840413 | 39.636 | ng | 100 |
| 18) Hexachloroethane | 8.846 | 117 | 407804 | 38.587 | ng | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.575 | 70 | 771380 | 39.697 | ng | 99 |
| 20) 3+4-Methylphenols | 8.540 | 107 | 1154401 | 39.629 | ng | 100 |
| 22) Acetophenone | 8.587 | 105 | 1593044 | 38.611 | ng | 100 |
| 24) Nitrobenzene | 8.963 | 77 | 1114096 | 39.045 | ng | 99 |
| 25) Isophorone | 9.487 | 82 | 1967247 | 39.677 | ng | 99 |
| 26) 2-Nitrophenol | 9.669 | 139 | 570971 | 41.892 | ng | 98 |
| 27) 2,4-Dimethylphenol | 9.734 | 122 | 697163 | 39.779 | ng | 98 |
| 28) bis(2-Chloroethoxy)met... | 9.963 | 93 | 1346656 | 38.608 | ng | 100 |
| 29) 2,4-Dichlorophenol | 10.205 | 162 | 961583 | 40.558 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.416 | 180 | 1002302 | 38.264 | ng | 99 |
| 31) Naphthalene | 10.605 | 128 | 3306535 | 38.223 | ng | 100 |
| 32) Benzoic acid | 9.881 | 122 | 745543 | 43.618 | ng | 98 |
| 33) 4-Chloroaniline | 10.710 | 127 | 1222820 | 39.499 | ng | 100 |
| 34) Hexachlorobutadiene | 10.887 | 225 | 585728 | 38.854 | ng | 98 |
| 35) Caprolactam | 11.499 | 113 | 317484 | 40.859 | ng | 97 |
| 36) 4-Chloro-3-methylphenol | 11.840 | 107 | 1015423 | 39.702 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.210 | 142 | 2265320 | 38.762 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.434 | 142 | 2209719 | 38.874 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.581 | 216 | 1089303 | 38.988 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 12.569 | 237 | 413181 | 41.026 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 12.828 | 196 | 727105 | 40.950 | ng | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024168.D
Acq On : 12 Mar 2025 21:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Quant Time: Mar 13 04:44:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:38:17 2025
Response via : Initial Calibration

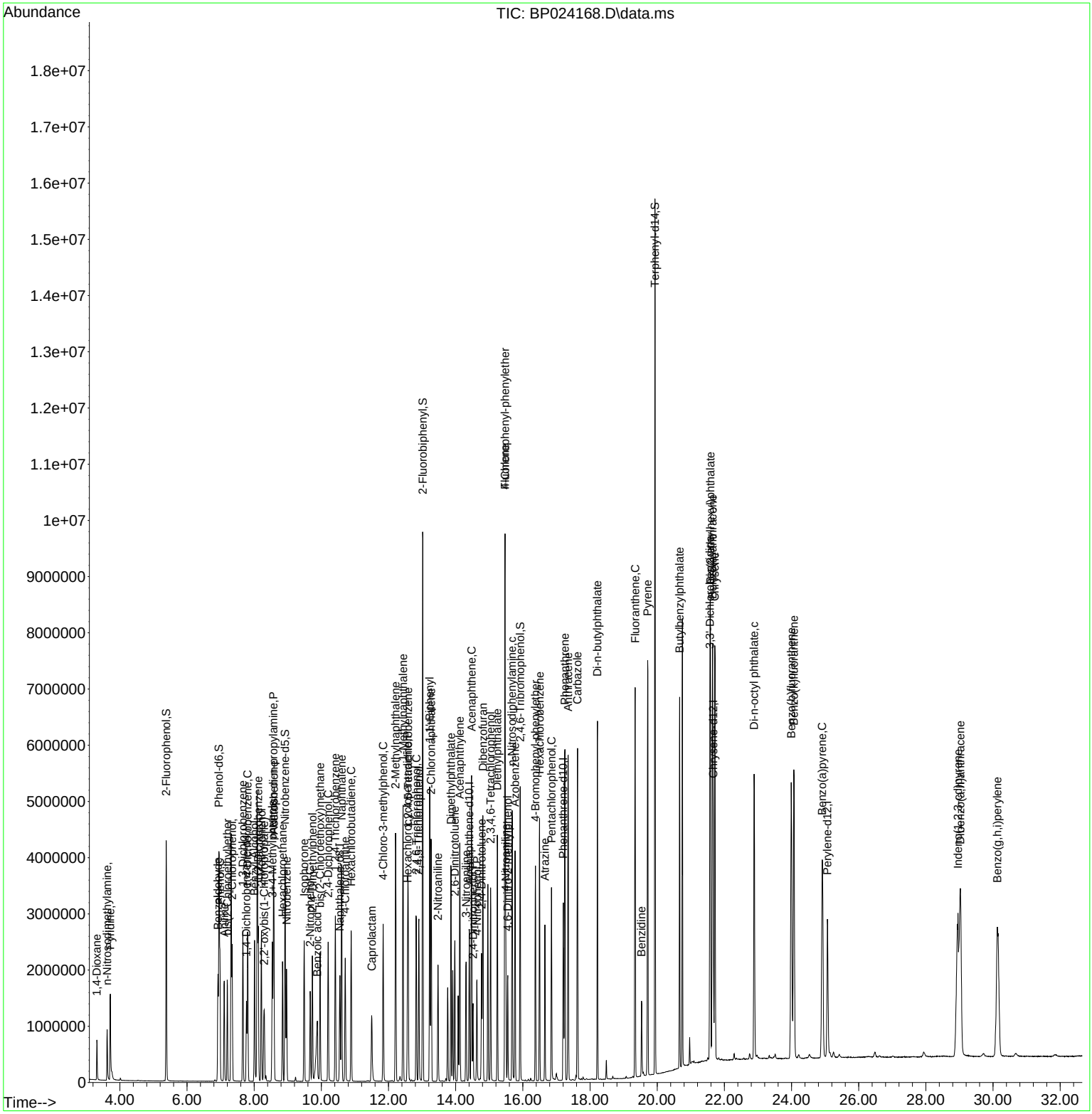
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.904 | 196 | 798076 | 40.985 | ng | 98 |
| 46) 1,1'-Biphenyl | 13.228 | 154 | 2821370 | 38.846 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.269 | 162 | 2130879 | 39.006 | ng | 100 |
| 48) 2-Nitroaniline | 13.475 | 65 | 574806 | 41.137 | ng | 99 |
| 49) Acenaphthylene | 14.122 | 152 | 3245488 | 39.262 | ng | 100 |
| 50) Dimethylphthalate | 13.863 | 163 | 2606961 | 38.548 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 13.975 | 165 | 563651 | 39.611 | ng | 98 |
| 52) Acenaphthene | 14.475 | 154 | 2053476 | 38.881 | ng | 98 |
| 53) 3-Nitroaniline | 14.310 | 138 | 625803 | 40.719 | ng | 99 |
| 54) 2,4-Dinitrophenol | 14.516 | 184 | 322185 | 42.791 | ng | 98 |
| 55) Dibenzofuran | 14.810 | 168 | 3273448 | 38.264 | ng | 100 |
| 56) 4-Nitrophenol | 14.634 | 139 | 543119 | 42.293 | ng | 98 |
| 57) 2,4-Dinitrotoluene | 14.769 | 165 | 772629 | 41.106 | ng | 99 |
| 58) Fluorene | 15.469 | 166 | 2603595 | 39.061 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.040 | 232 | 685479 | 39.844 | ng | 100 |
| 60) Diethylphthalate | 15.240 | 149 | 2595505 | 38.539 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.469 | 204 | 1261005 | 38.572 | ng | 99 |
| 62) 4-Nitroaniline | 15.493 | 138 | 664956 | 41.253 | ng | 99 |
| 63) Azobenzene | 15.769 | 77 | 2497600 | 39.347 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.551 | 198 | 434596 | 40.442 | ng | 95 |
| 66) n-Nitrosodiphenylamine | 15.681 | 169 | 2156617 | 39.234 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.375 | 248 | 772937 | 38.892 | ng | 98 |
| 68) Hexachlorobenzene | 16.498 | 284 | 919105 | 39.073 | ng | 97 |
| 69) Atrazine | 16.657 | 200 | 481443 | 36.287 | ng | 99 |
| 70) Pentachlorophenol | 16.851 | 266 | 626146 | 41.161 | ng | 100 |
| 71) Phenanthrene | 17.251 | 178 | 3795212 | 38.379 | ng | 99 |
| 72) Anthracene | 17.351 | 178 | 3790779 | 39.358 | ng | 99 |
| 73) Carbazole | 17.628 | 167 | 3684202 | 39.665 | ng | 100 |
| 74) Di-n-butylphthalate | 18.222 | 149 | 4505984 | 40.866 | ng | 100 |
| 75) Fluoranthene | 19.345 | 202 | 4467370 | 39.006 | ng | 99 |
| 77) Benzidine | 19.534 | 184 | 827654 | 39.777 | ng | 99 |
| 78) Pyrene | 19.716 | 202 | 4681182 | 39.565 | ng | 100 |
| 80) Butylbenzylphthalate | 20.669 | 149 | 1991838 | 40.824 | ng | 98 |
| 81) Benzo(a)anthracene | 21.651 | 228 | 4652183 | 39.318 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.569 | 252 | 1655655 | 41.750 | ng | 99 |
| 83) Chrysene | 21.716 | 228 | 4393252 | 38.624 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.586 | 149 | 3060349 | 41.569 | ng | 99 |
| 85) Di-n-octyl phthalate | 22.886 | 149 | 5007462 | 42.452 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.957 | 276 | 5699470 | 38.387 | ng | 100 |
| 88) Benzo(b)fluoranthene | 23.992 | 252 | 4988392 | 38.891 | ng | 98 |
| 89) Benzo(k)fluoranthene | 24.069 | 252 | 4803010 | 38.280 | ng | 99 |
| 90) Benzo(a)pyrene | 24.916 | 252 | 4306060 | 38.607 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 29.027 | 278 | 4752357 | 38.474 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 30.127 | 276 | 4782473m | 38.087 | ng | |

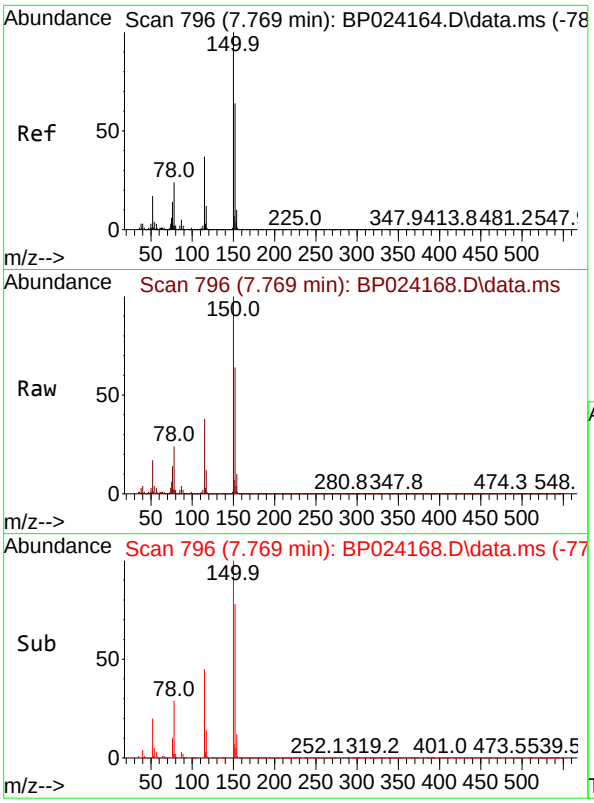
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024168.D
Acq On : 12 Mar 2025 21:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Quant Time: Mar 13 04:44:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:38:17 2025
Response via : Initial Calibration



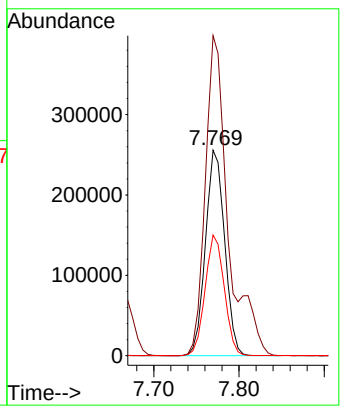


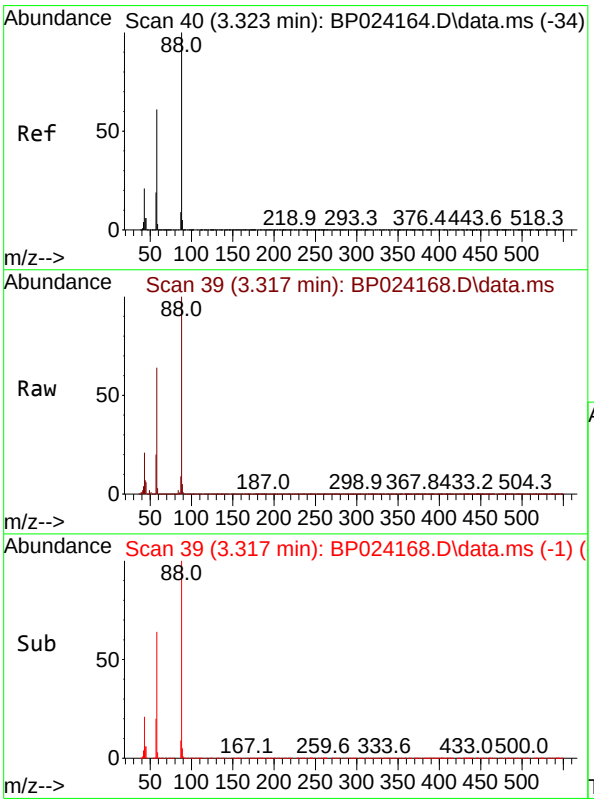

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:152 Resp: 399821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.8 | 125.5 | 188.3 |
| 115 | 58.8 | 46.3 | 69.5 |

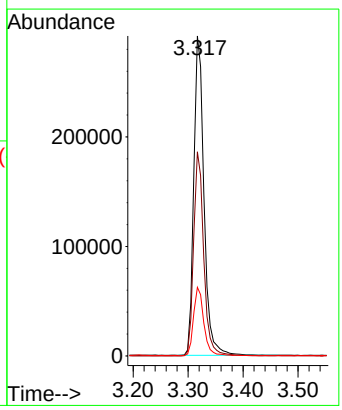


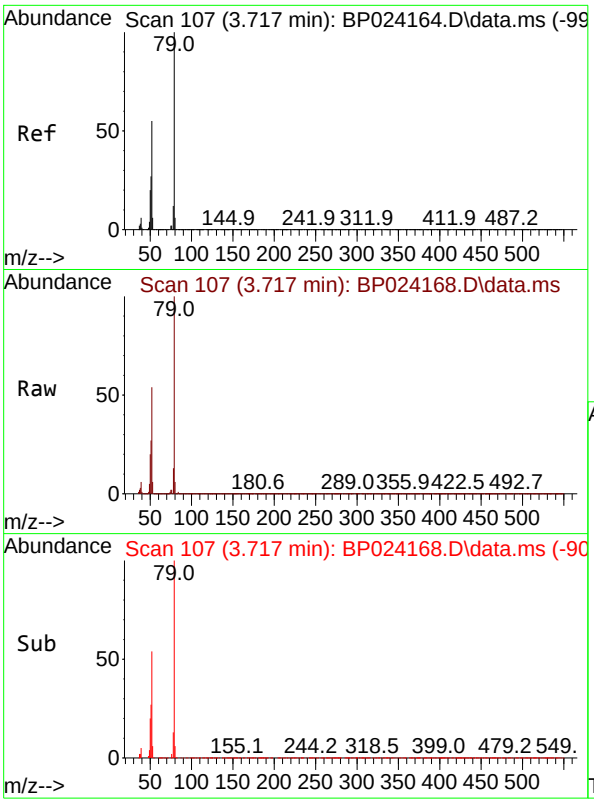




#2
1,4-Dioxane
Concen: 37.880 ng
RT: 3.317 min Scan# 39
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion: 88 Resp: 376087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 63.2 | 49.8 | 74.6 |
| 43 | 21.7 | 17.3 | 25.9 |



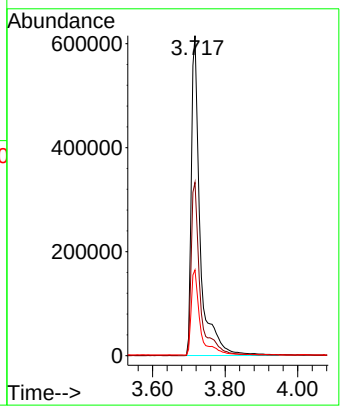


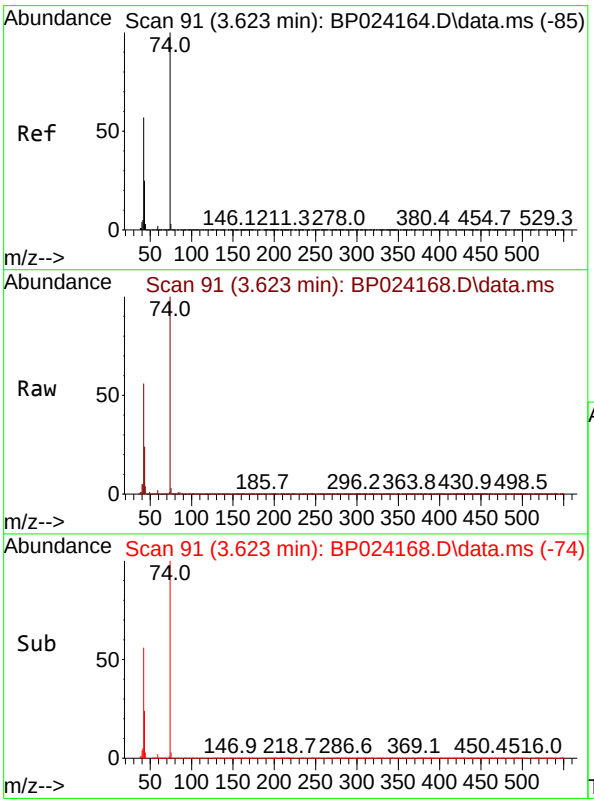

#3
Pyridine
Concen: 38.718 ng
RT: 3.717 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion: 79 Resp: 1050879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 54.2 | 43.8 | 65.8 |
| 51 | 26.8 | 21.6 | 32.4 |

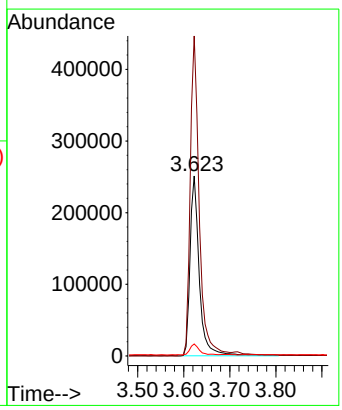


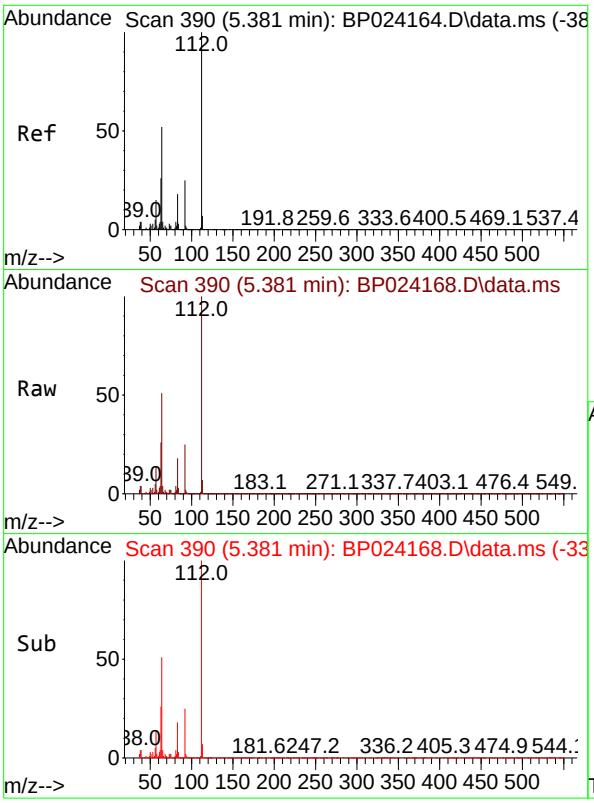




#4
n-Nitrosodimethylamine
Concen: 38.646 ng
RT: 3.623 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion: 42 Resp: 350385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 177.7 | 139.8 | 209.6 |
| 44 | 6.7 | 5.3 | 7.9 |



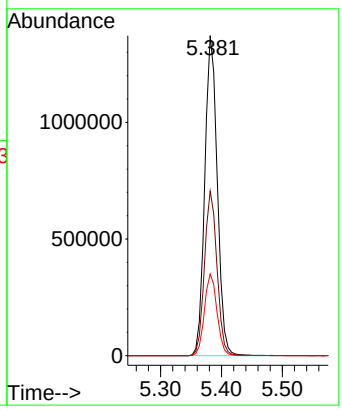


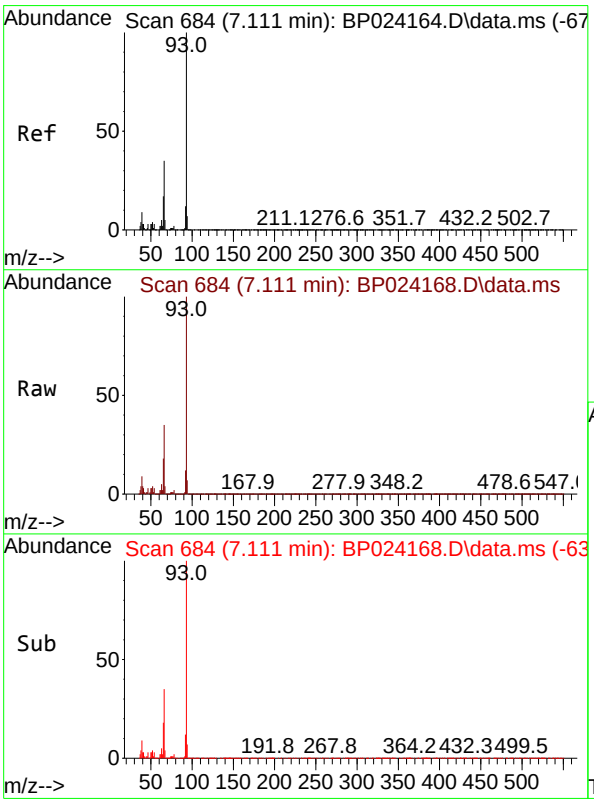

#5
2-Fluorophenol
Concen: 78.230 ng
RT: 5.381 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:112 Resp: 1959434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 51.4 | 41.3 | 61.9 |
| 63 | 25.6 | 20.6 | 31.0 |

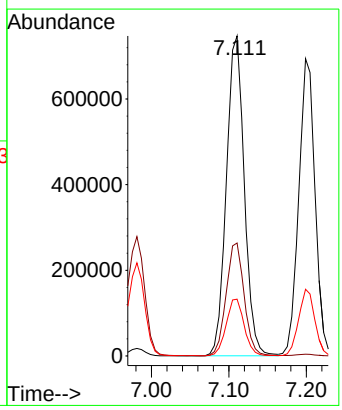


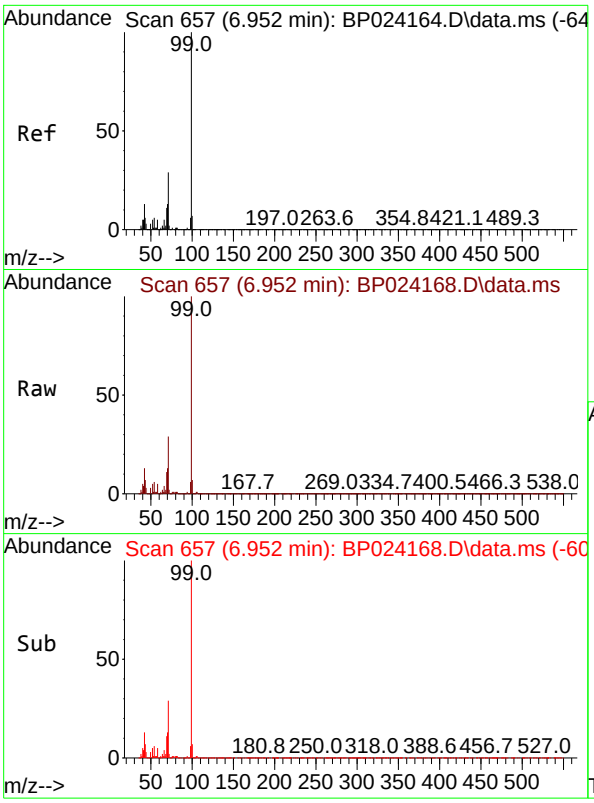




#6
Aniline
Concen: 39.413 ng
RT: 7.111 min Scan# 684
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion: 93 Resp: 1202738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 35.3 | 28.2 | 42.2 |
| 65 | 17.8 | 14.0 | 21.0 |



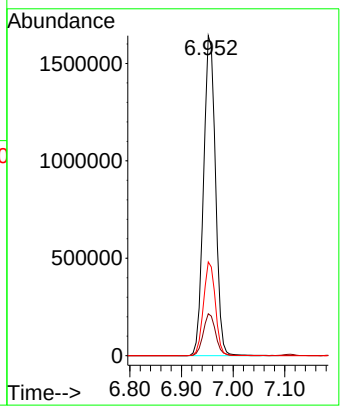


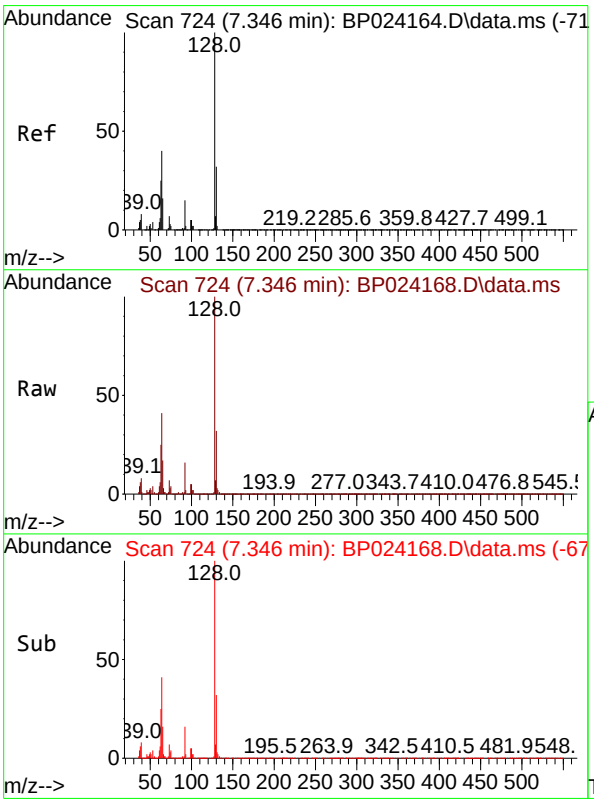

#7
Phenol-d6
Concen: 78.704 ng
RT: 6.952 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion: 99 Resp: 2636154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.1 | 10.6 | 16.0 |
| 71 | 29.3 | 23.3 | 34.9 |

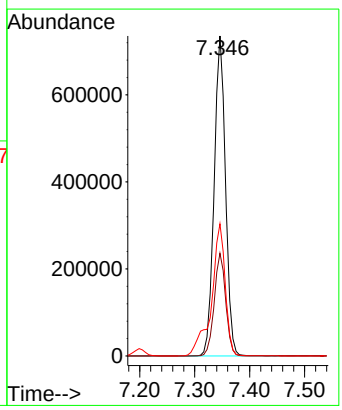


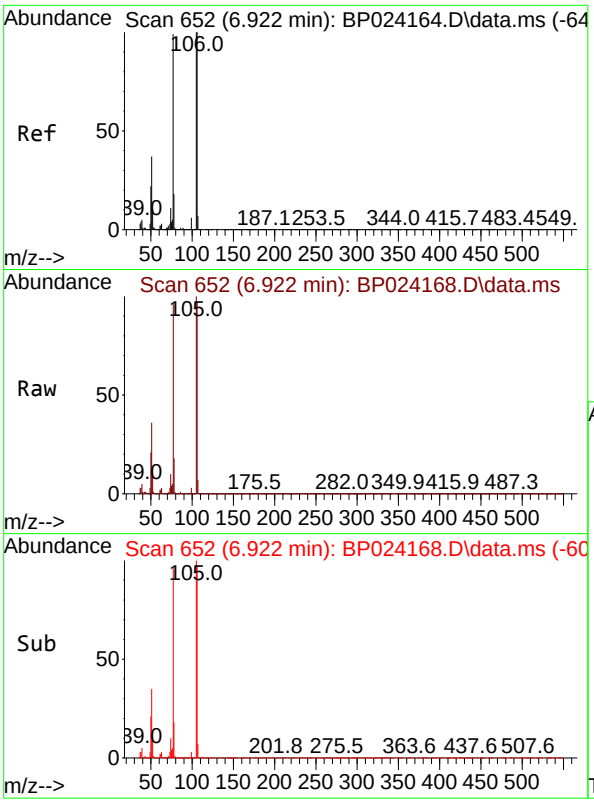




#8
2-Chlorophenol
Concen: 39.149 ng
RT: 7.346 min Scan# 724
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:128 Resp: 1059150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.1 | 12.0 | 52.0 |
| 64 | 41.3 | 21.6 | 61.6 |



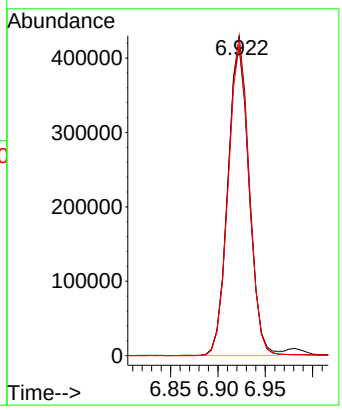


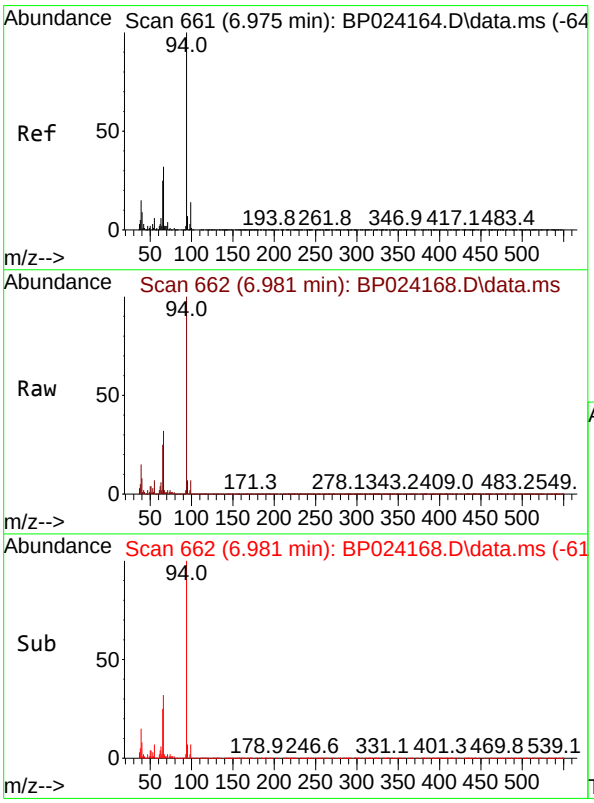

#9
Benzaldehyde
Concen: 40.389 ng
RT: 6.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion: 77 Resp: 652848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 103.7 | 81.4 | 121.4 |
| 106 | 100.8 | 81.1 | 121.1 |

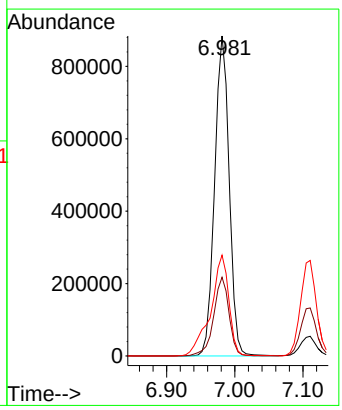


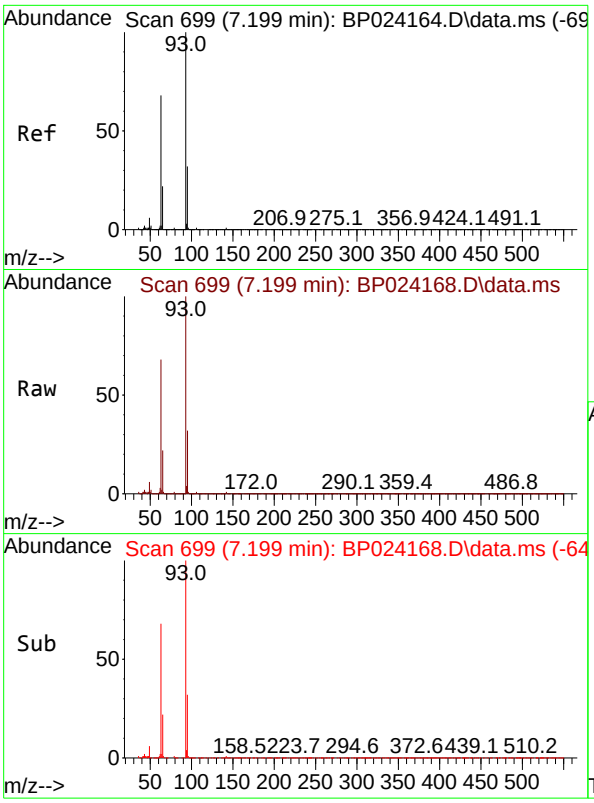




#10
Phenol
Concen: 38.869 ng
RT: 6.981 min Scan# 662
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion: 94 Resp: 1314283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 24.6 | 4.9 | 44.9 |
| 66 | 31.5 | 11.9 | 51.9 |



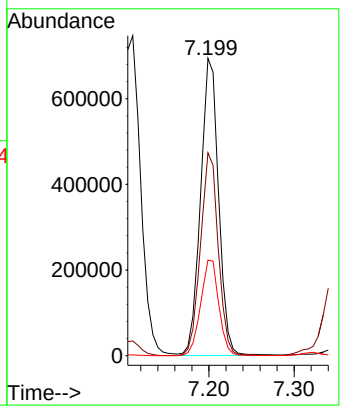


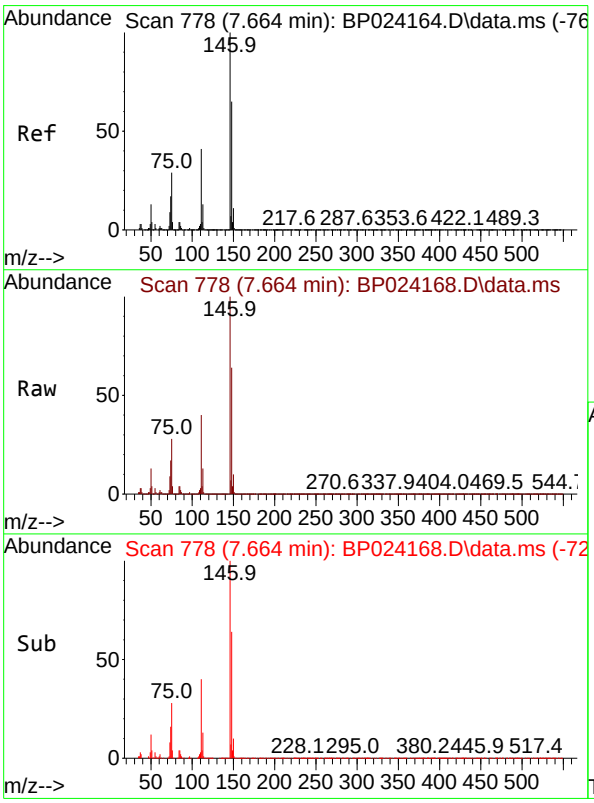

#11
bis(2-Chloroethyl)ether
Concen: 38.203 ng
RT: 7.199 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion: 93 Resp: 1018670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 68.3 | 47.4 | 87.4 |
| 95 | 32.2 | 12.1 | 52.1 |

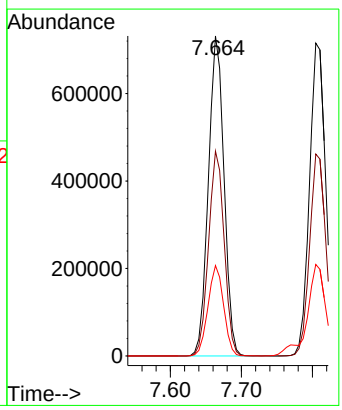


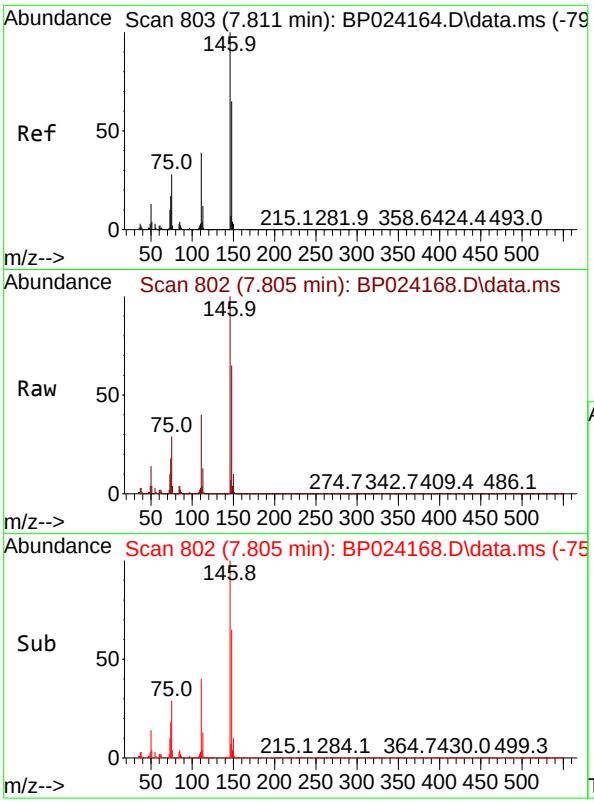




#12
1,3-Dichlorobenzene
Concen: 38.353 ng
RT: 7.664 min Scan# 778
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:146 Resp: 1118950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 51.6 | 77.4 |
| 75 | 28.2 | 22.8 | 34.2 |



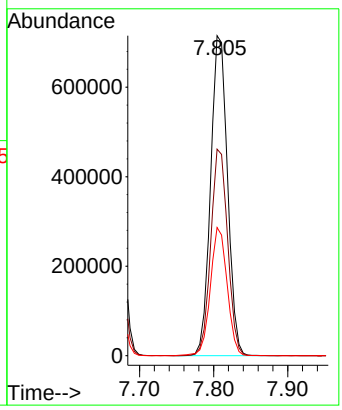


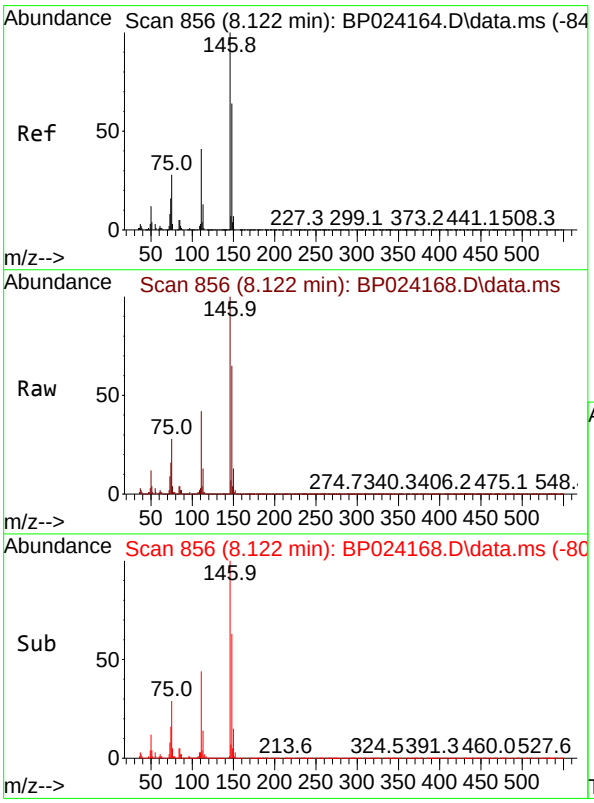

#13
1,4-Dichlorobenzene
Concen: 37.960 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:146 Resp: 1130770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.5 | 51.9 | 77.9 |
| 111 | 40.1 | 31.4 | 47.2 |

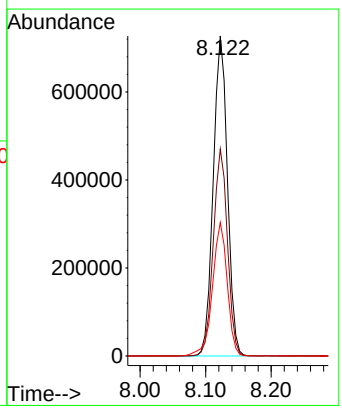


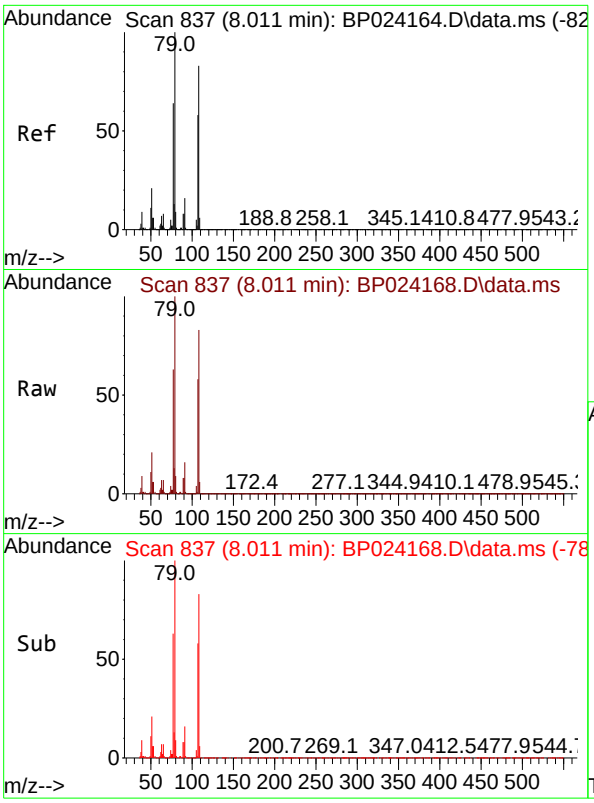




#14
1,2-Dichlorobenzene
Concen: 38.116 ng
RT: 8.122 min Scan# 856
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:146 Resp: 1089564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.7 | 51.4 | 77.2 |
| 111 | 41.7 | 33.2 | 49.8 |



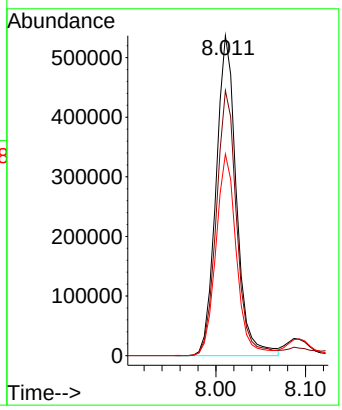


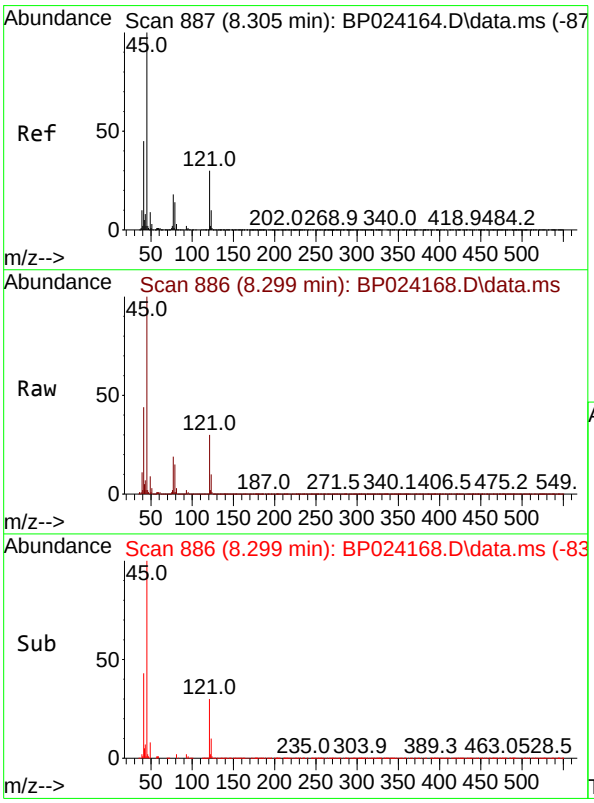

#15
Benzyl Alcohol
Concen: 39.999 ng
RT: 8.011 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion: 79 Resp: 848187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 82.9 | 66.5 | 99.7 |
| 77 | 63.0 | 50.9 | 76.3 |

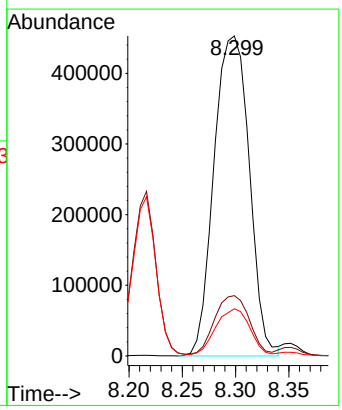


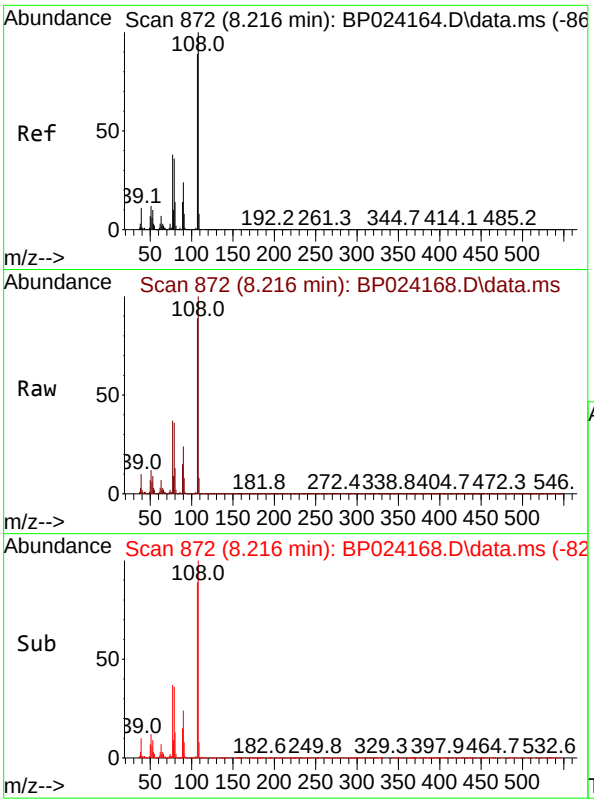




#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.356 ng
RT: 8.299 min Scan# 886
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion: 45 Resp: 1043834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 18.9 | 0.0 | 39.0 |
| 79 | 14.7 | 0.0 | 35.6 |



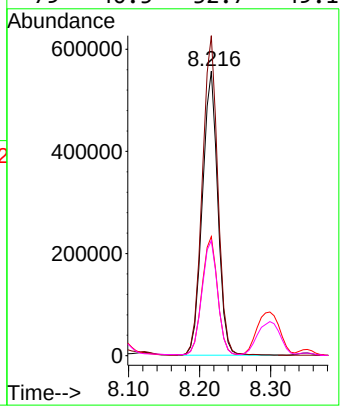


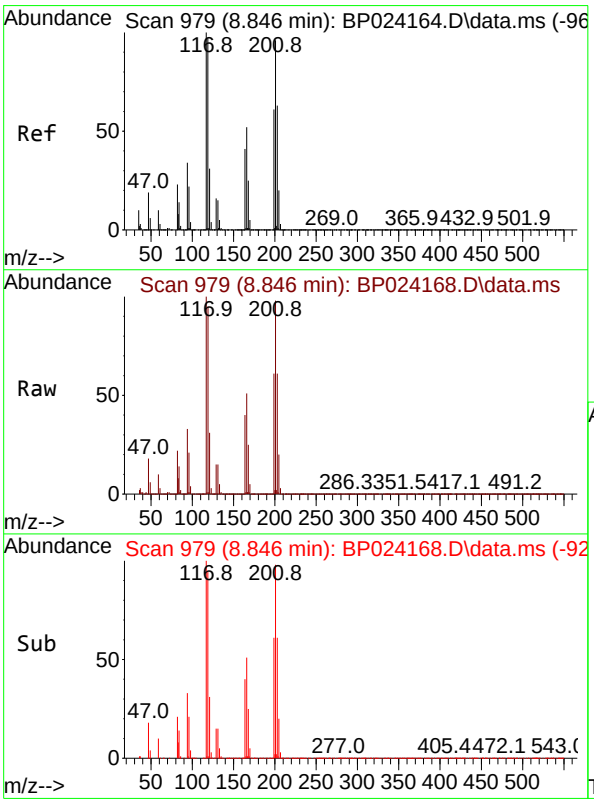

#17
2-Methylphenol
Concen: 39.636 ng
RT: 8.216 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:107 Resp: 840413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.5 | 90.0 | 135.0 |
| 77 | 41.8 | 34.0 | 51.0 |
| 79 | 40.5 | 32.7 | 49.1 |

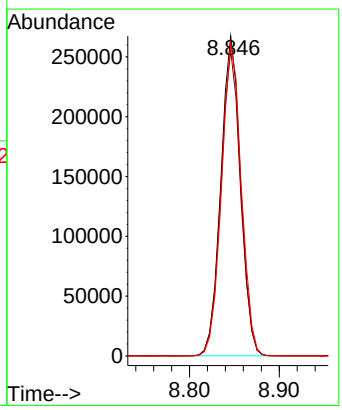


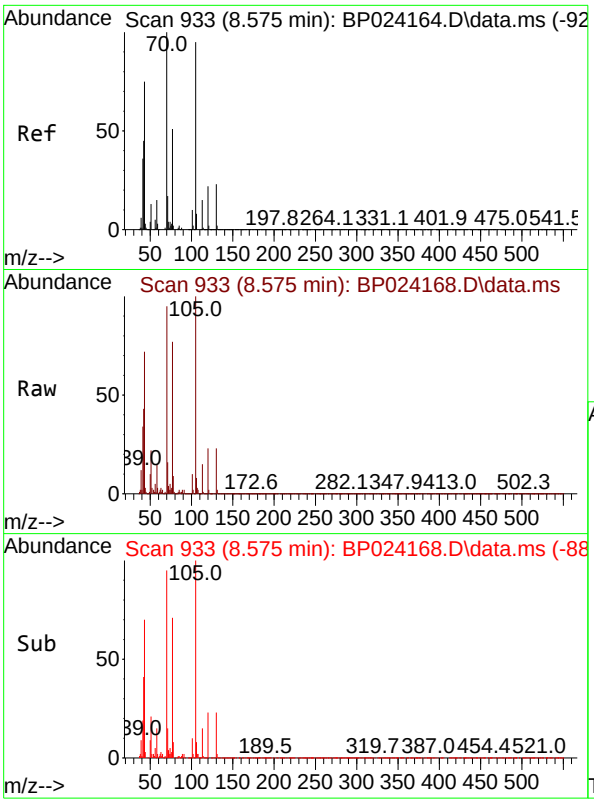




#18
Hexachloroethane
Concen: 38.587 ng
RT: 8.846 min Scan# 979
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:117 Resp: 407804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.5 | 77.4 | 116.0 |
| 201 | 97.7 | 76.6 | 114.8 |



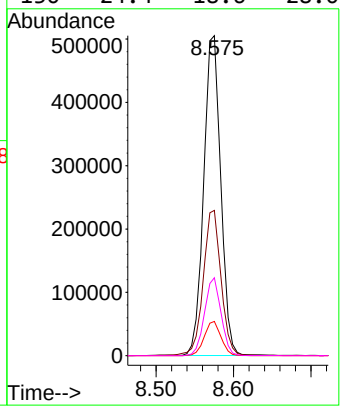


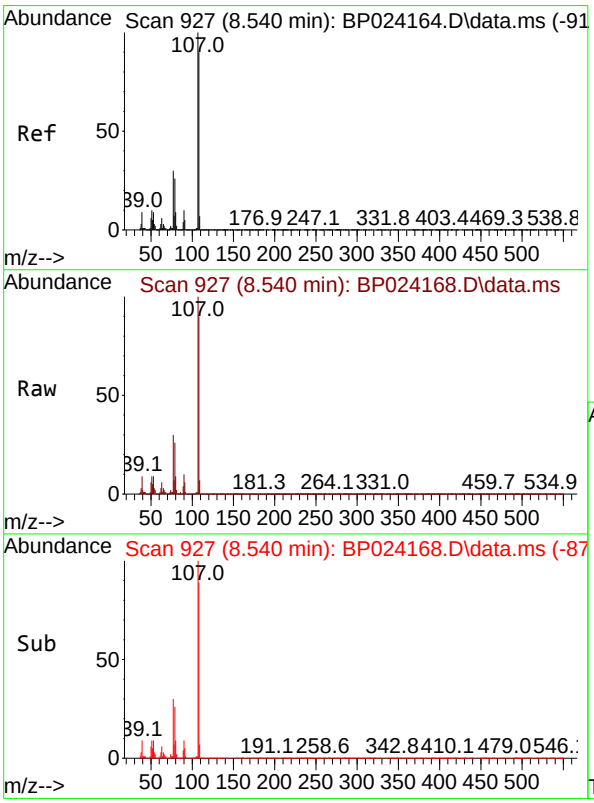

#19
n-Nitroso-di-n-propylamine
Concen: 39.697 ng
RT: 8.575 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion: 70 Resp: 771380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 45.4 | 36.0 | 54.0 |
| 101 | 10.7 | 8.3 | 12.5 |
| 130 | 24.4 | 18.6 | 28.0 |

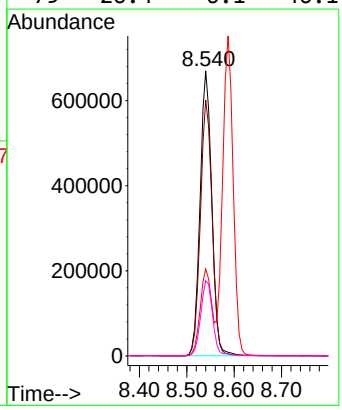


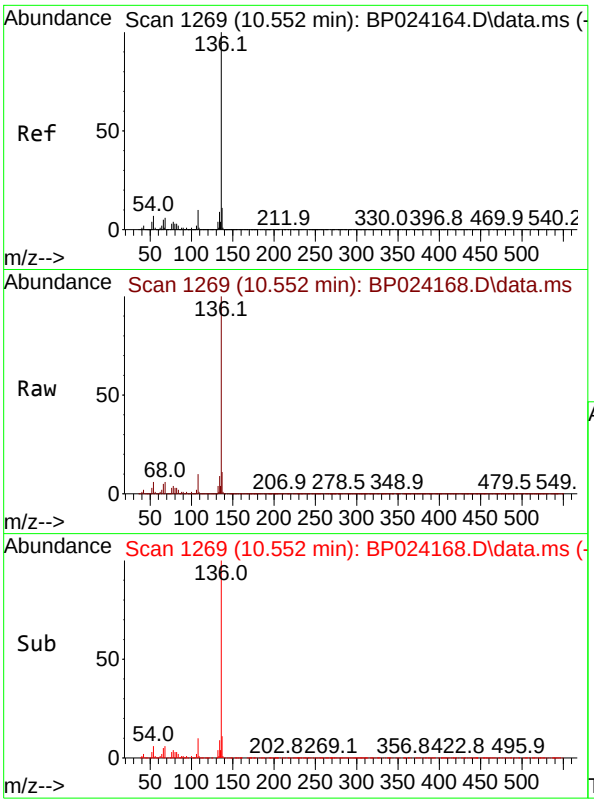




#20
3+4-Methylphenols
Concen: 39.629 ng
RT: 8.540 min Scan# 927
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:107 Resp: 1154401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.8 | 69.7 | 109.7 |
| 77 | 30.5 | 10.3 | 50.3 |
| 79 | 26.4 | 6.1 | 46.1 |



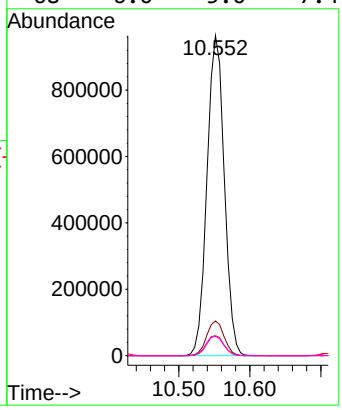


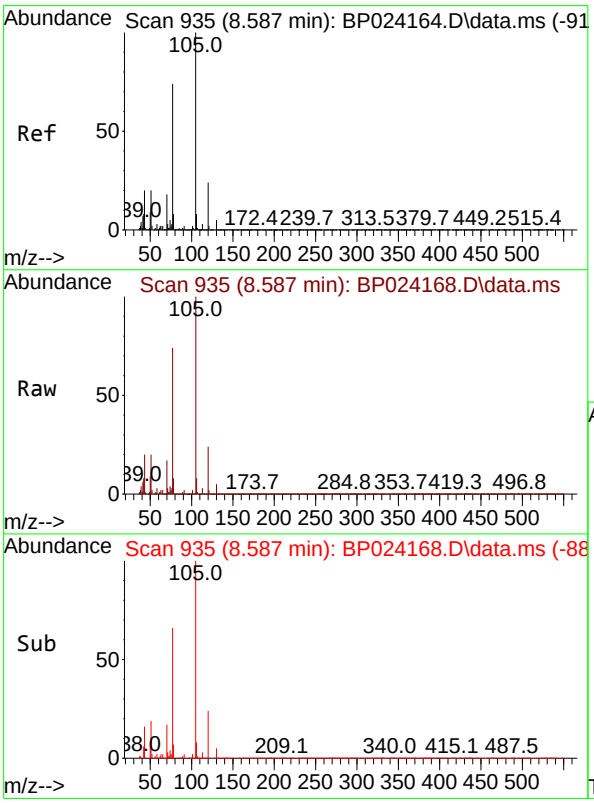

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.552 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:136 Resp: 1631941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 9.0 | 13.4 |
| 54 | 6.3 | 5.3 | 7.9 |
| 68 | 6.0 | 5.0 | 7.4 |

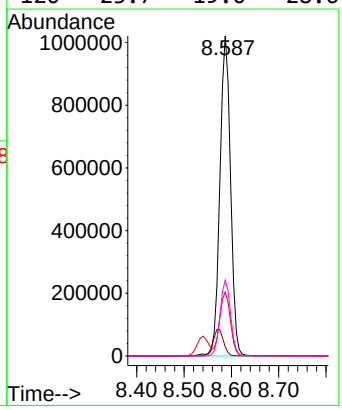


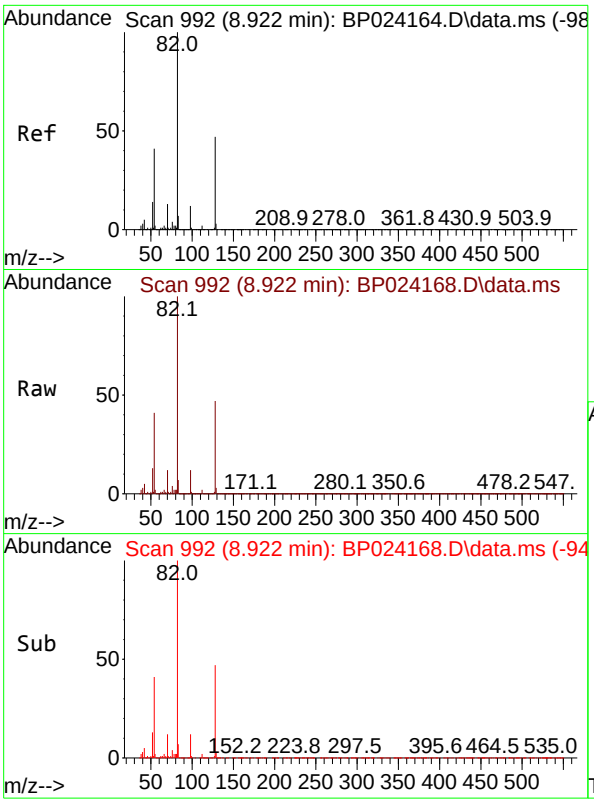




#22
Acetophenone
Concen: 38.611 ng
RT: 8.587 min Scan# 935
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:105 Resp: 1593044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 2.9 | 2.4 | 3.6 |
| 51 | 20.0 | 16.2 | 24.2 |
| 120 | 23.7 | 19.0 | 28.6 |



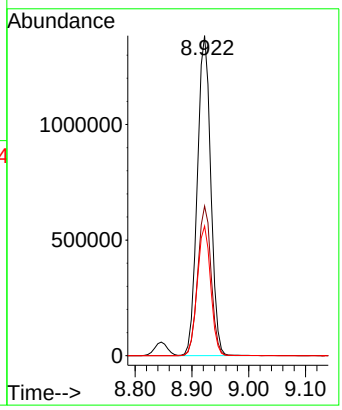


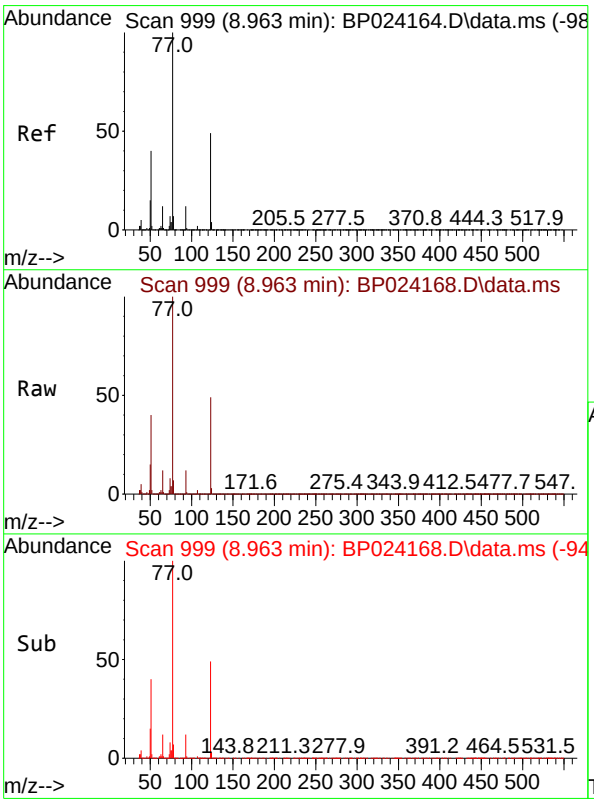

#23
Nitrobenzene-d5
Concen: 78.652 ng
RT: 8.922 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion: 82 Resp: 2274955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.8 | 37.4 | 56.0 |
| 54 | 40.5 | 32.5 | 48.7 |

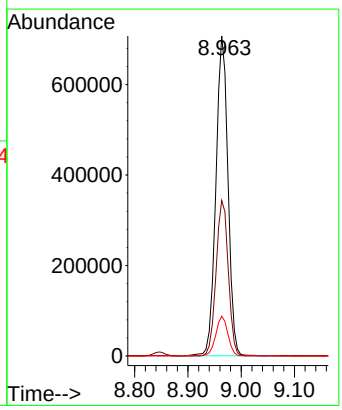


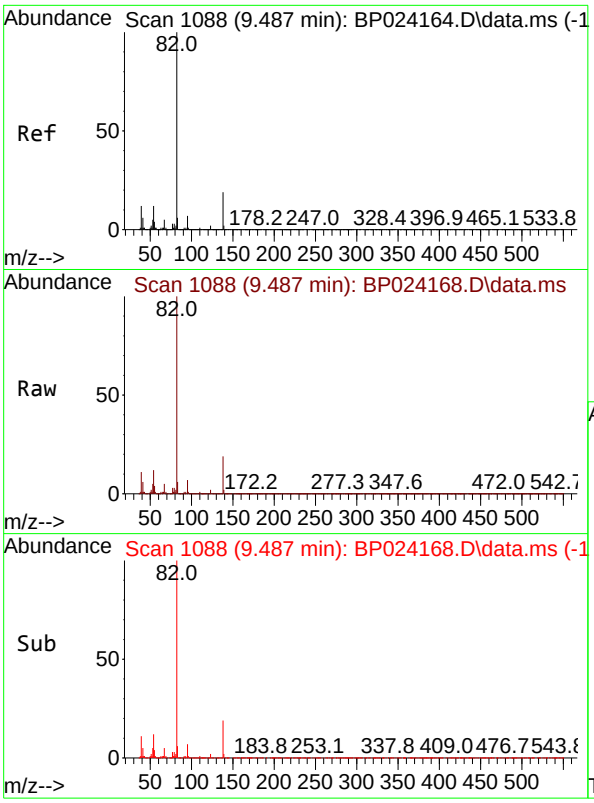




#24
Nitrobenzene
Concen: 39.045 ng
RT: 8.963 min Scan# 999
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion: 77 Resp: 1114096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 48.6 | 39.4 | 59.2 |
| 65 | 12.4 | 9.9 | 14.9 |



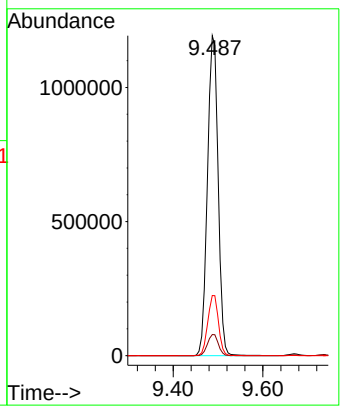


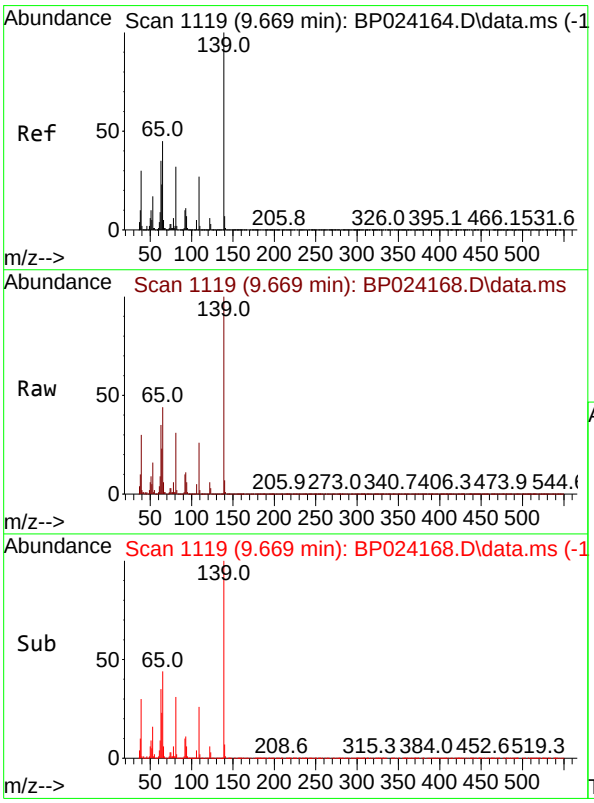

#25
Isophorone
Concen: 39.677 ng
RT: 9.487 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion: 82 Resp: 1967247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.6 | 5.3 | 7.9 |
| 138 | 18.8 | 14.8 | 22.2 |

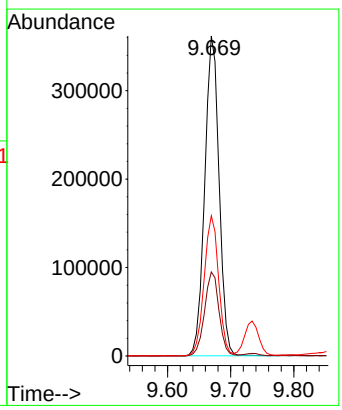


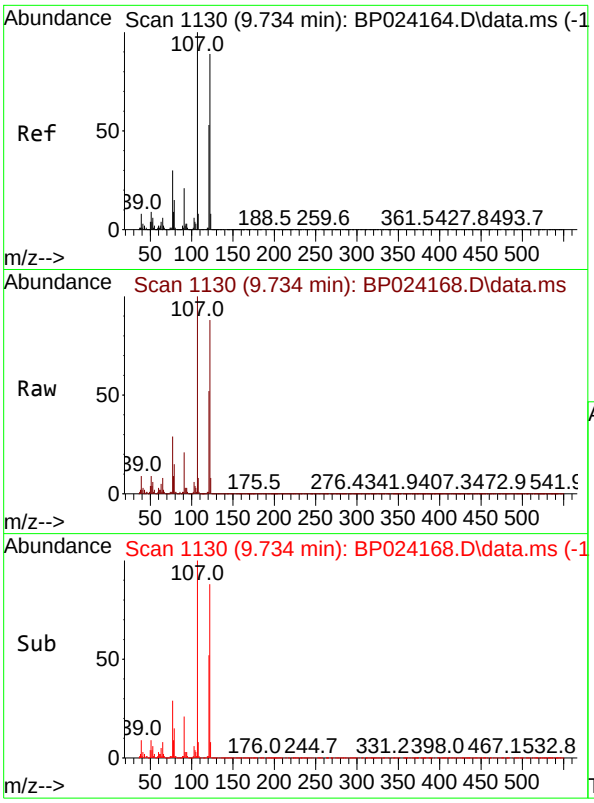




#26
2-Nitrophenol
Concen: 41.892 ng
RT: 9.669 min Scan# 1119
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:139 Resp: 570971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 26.2 | 21.7 | 32.5 |
| 65 | 43.8 | 35.8 | 53.8 |



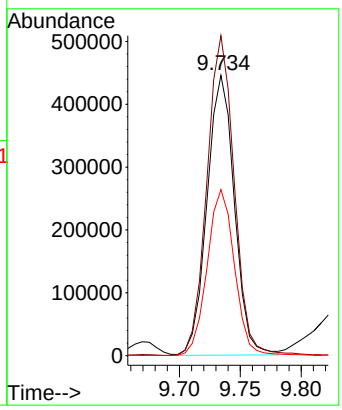


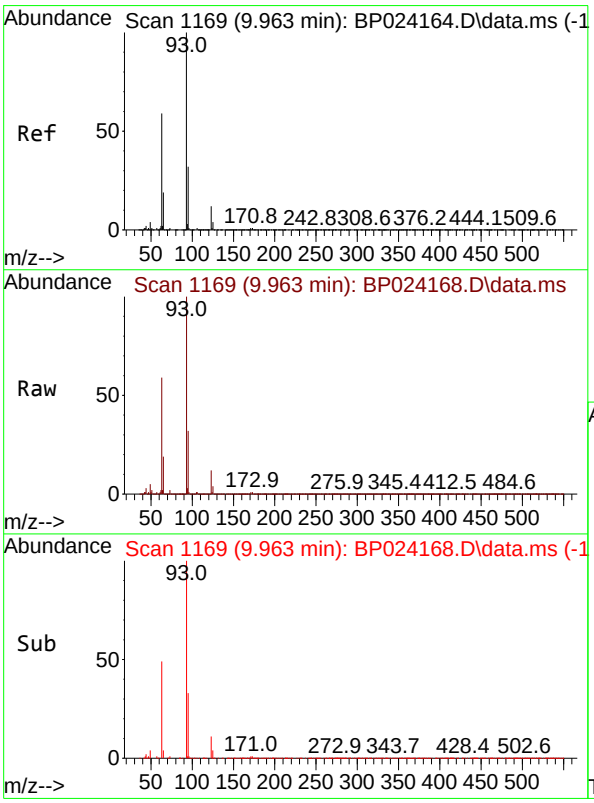

#27
2,4-Dimethylphenol
Concen: 39.779 ng
RT: 9.734 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:122 Resp: 697163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 114.1 | 89.3 | 133.9 |
| 121 | 59.2 | 47.5 | 71.3 |

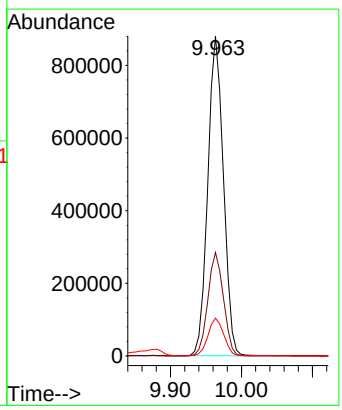


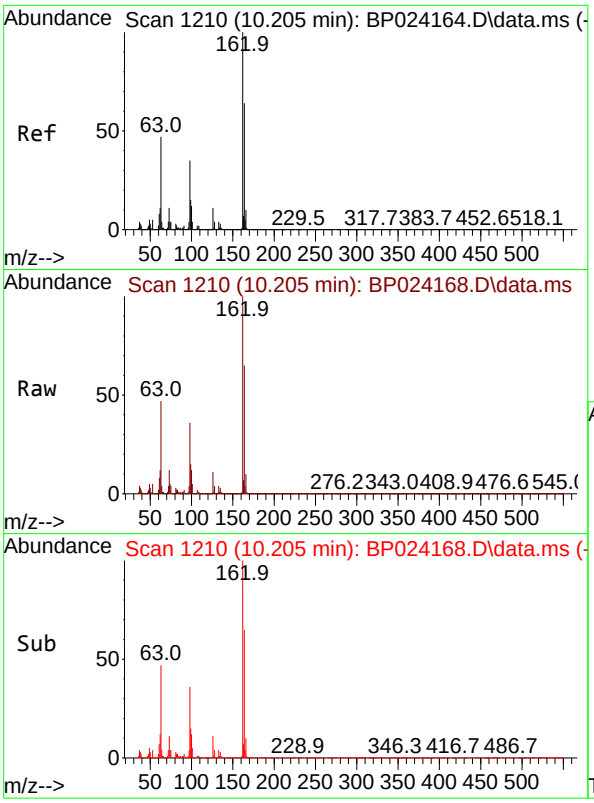




#28
bis(2-Chloroethoxy)methane
Concen: 38.608 ng
RT: 9.963 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion: 93 Resp: 1346656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.4 | 25.9 | 38.9 |
| 123 | 11.8 | 9.5 | 14.3 |



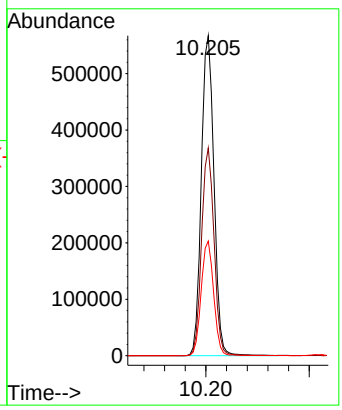


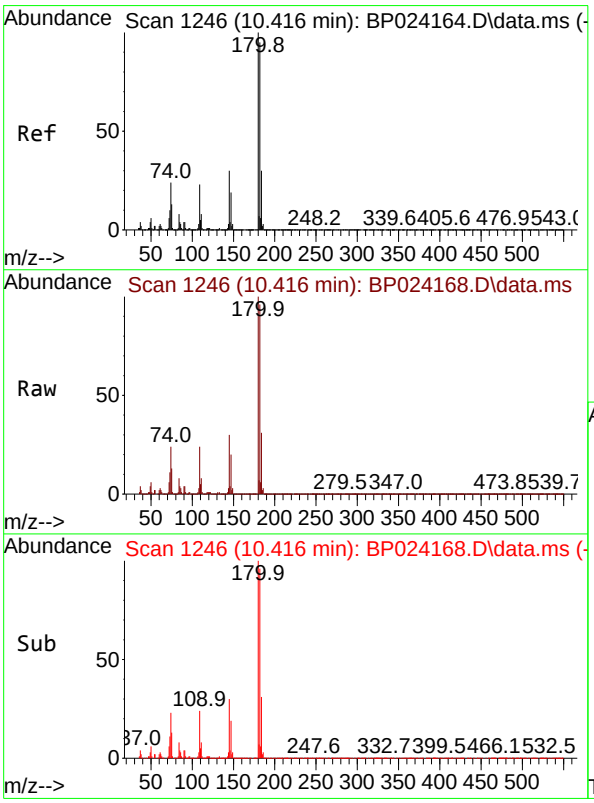

#29
2,4-Dichlorophenol
Concen: 40.558 ng
RT: 10.205 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:162 Resp: 961583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.9 | 44.2 | 84.2 |
| 98 | 35.8 | 15.1 | 55.1 |

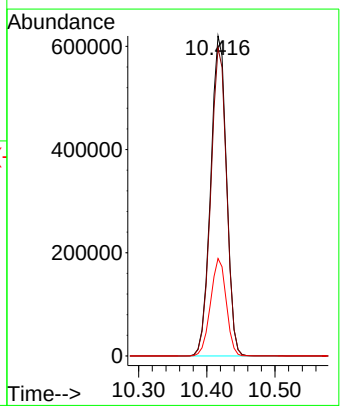


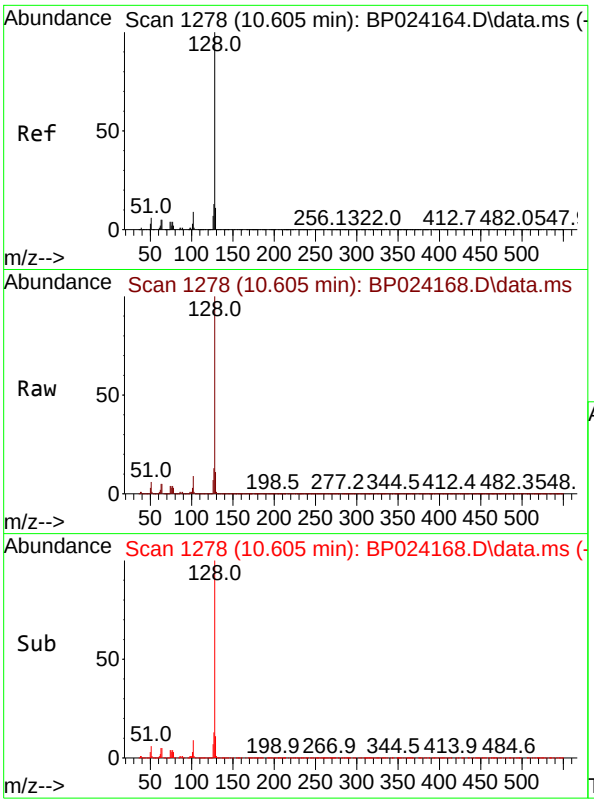




#30
1,2,4-Trichlorobenzene
Concen: 38.264 ng
RT: 10.416 min Scan# 1246
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:180 Resp: 1002302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.2 | 76.1 | 114.1 |
| 145 | 30.5 | 24.2 | 36.2 |



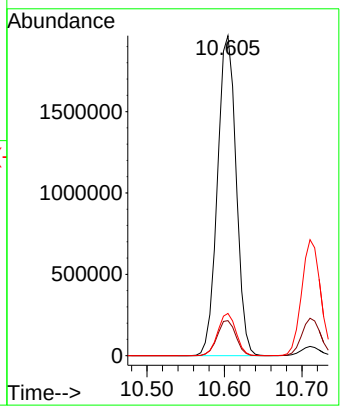


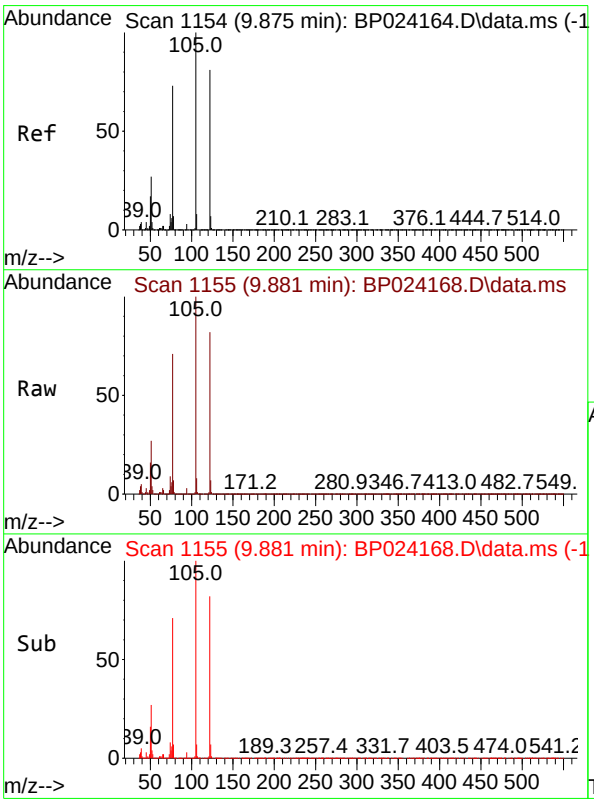

#31
Naphthalene
Concen: 38.223 ng
RT: 10.605 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:128 Resp: 3306535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.7 | 13.1 |
| 127 | 13.2 | 10.4 | 15.6 |

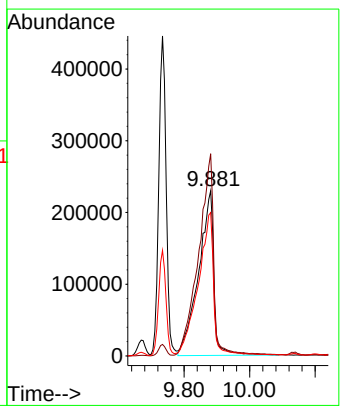


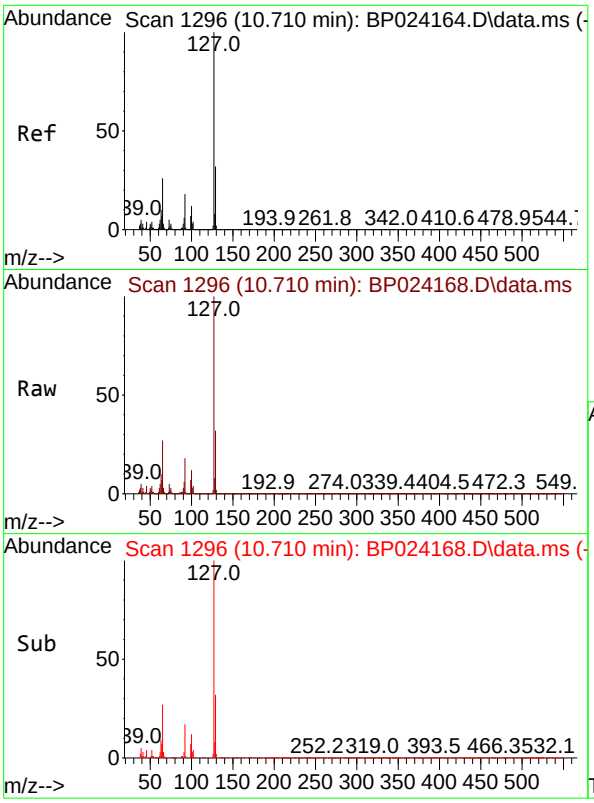




#32
Benzoic acid
Concen: 43.618 ng
RT: 9.881 min Scan# 1155
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:122 Resp: 745543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 122.4 | 100.3 | 140.3 |
| 77 | 86.8 | 69.1 | 109.1 |



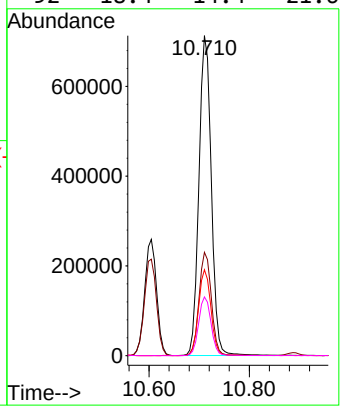


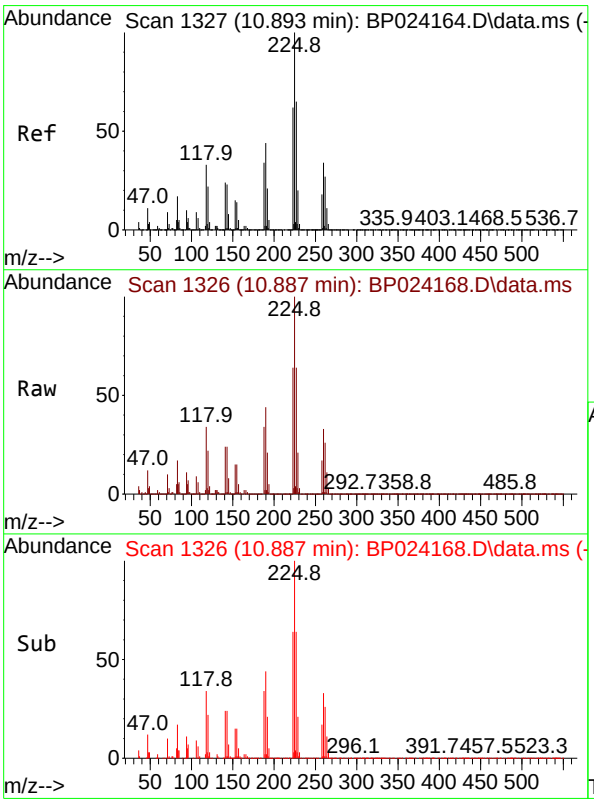

#33
4-Chloroaniline
Concen: 39.499 ng
RT: 10.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:127 Resp: 1222820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.3 | 25.8 | 38.6 |
| 65 | 26.9 | 21.2 | 31.8 |
| 92 | 18.4 | 14.4 | 21.6 |

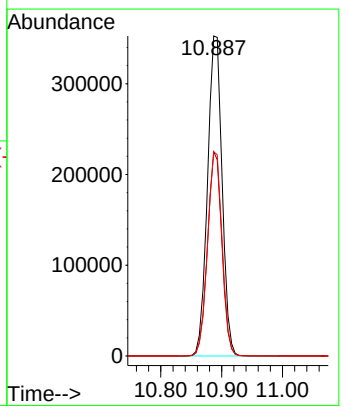


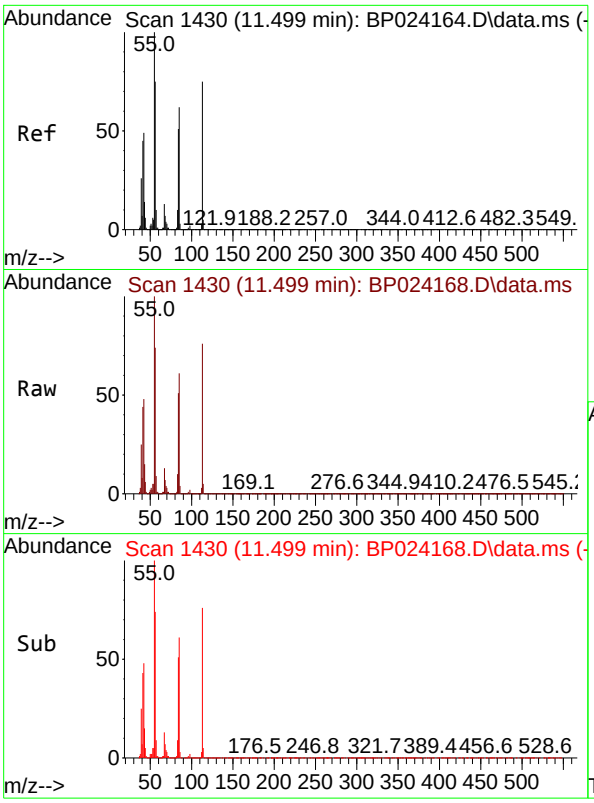




#34
Hexachlorobutadiene
Concen: 38.854 ng
RT: 10.887 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:225 Resp: 585728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.8 | 49.9 | 74.9 |
| 227 | 63.8 | 52.2 | 78.2 |



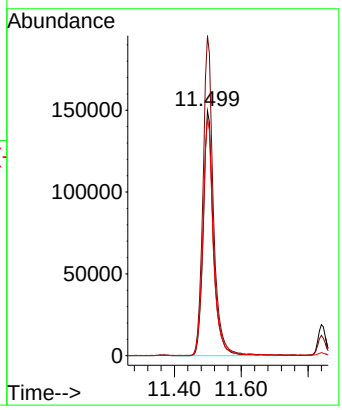


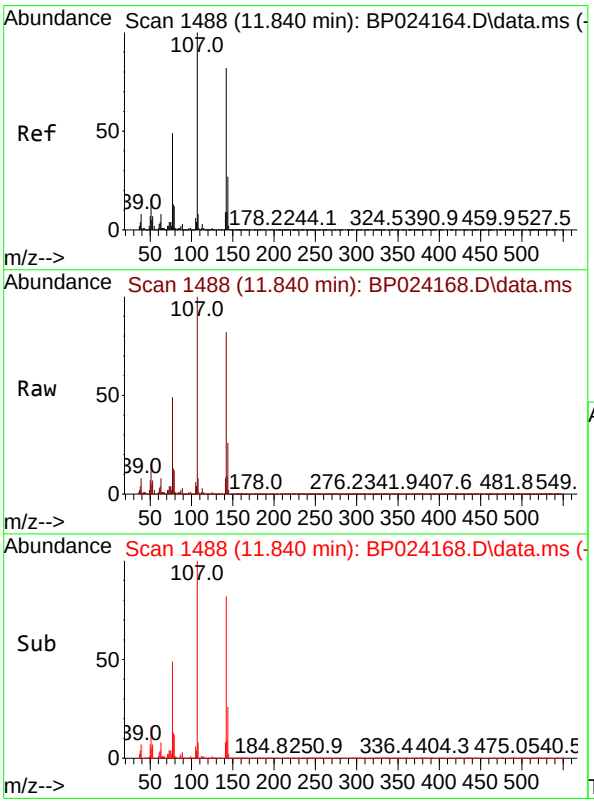

#35
Caprolactam
Concen: 40.859 ng
RT: 11.499 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:113 Resp: 317484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 130.8 | 113.6 | 153.6 |
| 56 | 97.1 | 80.0 | 120.0 |

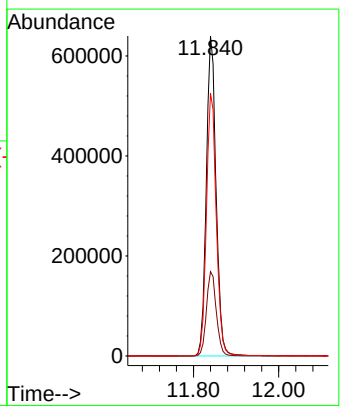


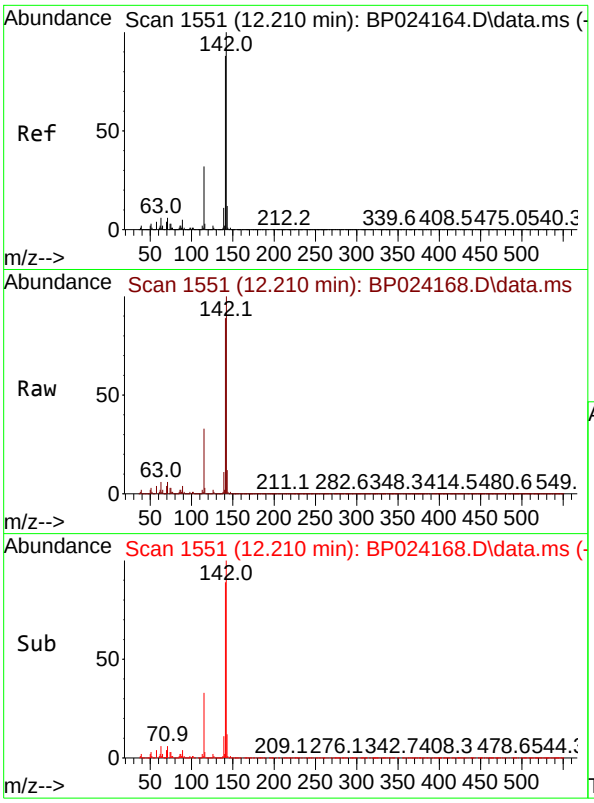




#36
4-Chloro-3-methylphenol
Concen: 39.702 ng
RT: 11.840 min Scan# 1488
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:107 Resp: 1015423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.4 | 21.6 | 32.4 |
| 142 | 82.2 | 65.4 | 98.0 |



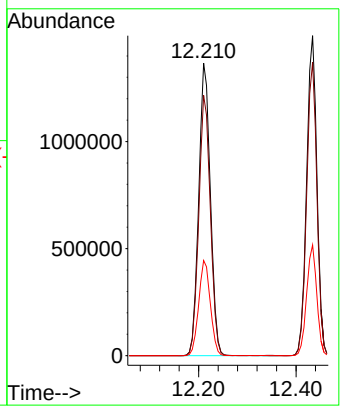


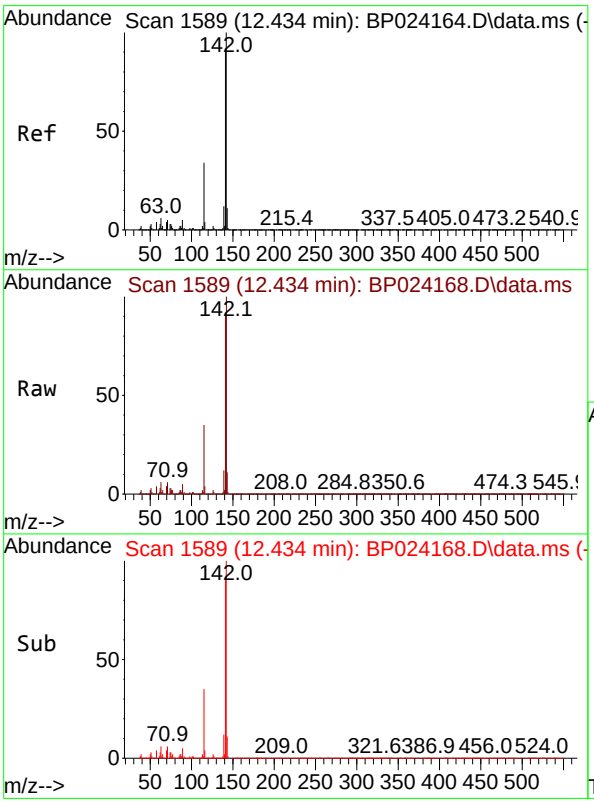

#37
2-Methylnaphthalene
Concen: 38.762 ng
RT: 12.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:142 Resp: 2265320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.0 | 70.3 | 105.5 |
| 115 | 32.5 | 26.0 | 39.0 |

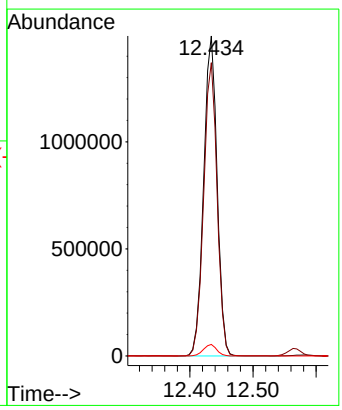


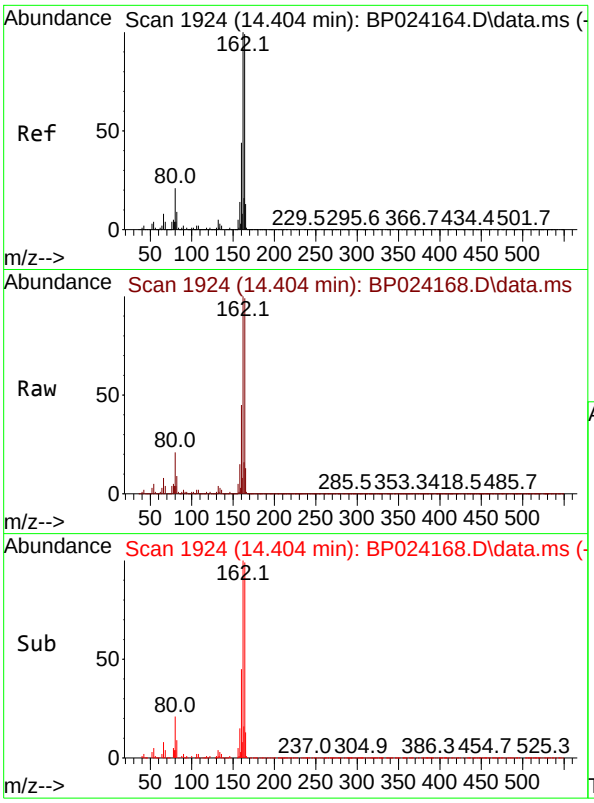




#38
1-Methylnaphthalene
Concen: 38.874 ng
RT: 12.434 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:142 Resp: 2209719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.7 | 73.9 | 110.9 |
| 116 | 3.6 | 2.8 | 4.2 |



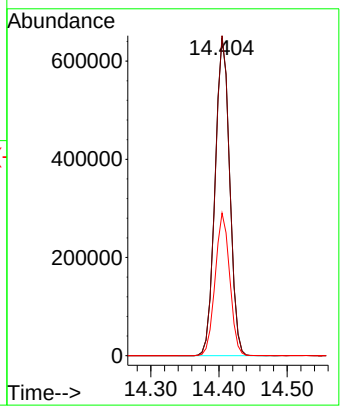


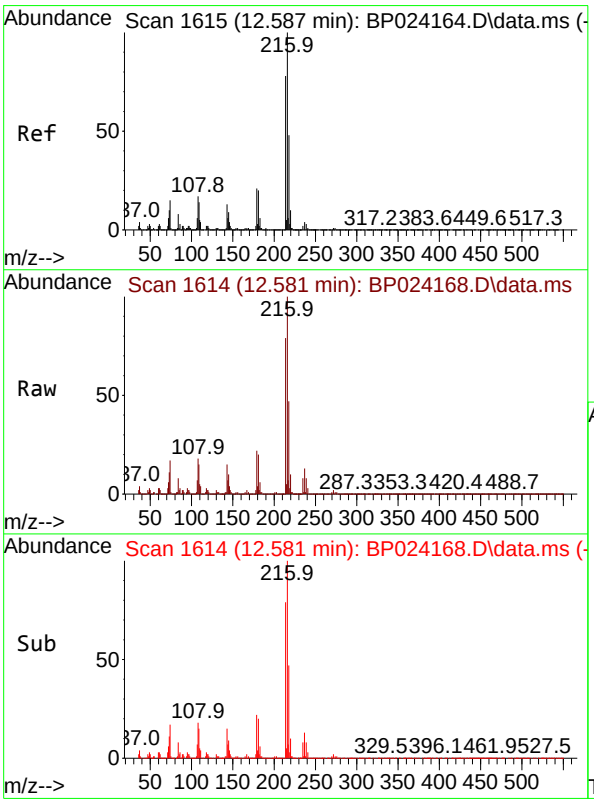

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:164 Resp: 966525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.8 | 80.6 | 121.0 |
| 160 | 44.9 | 35.4 | 53.2 |

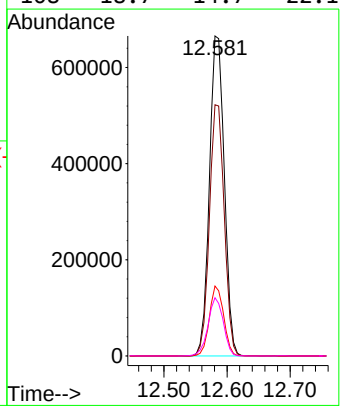


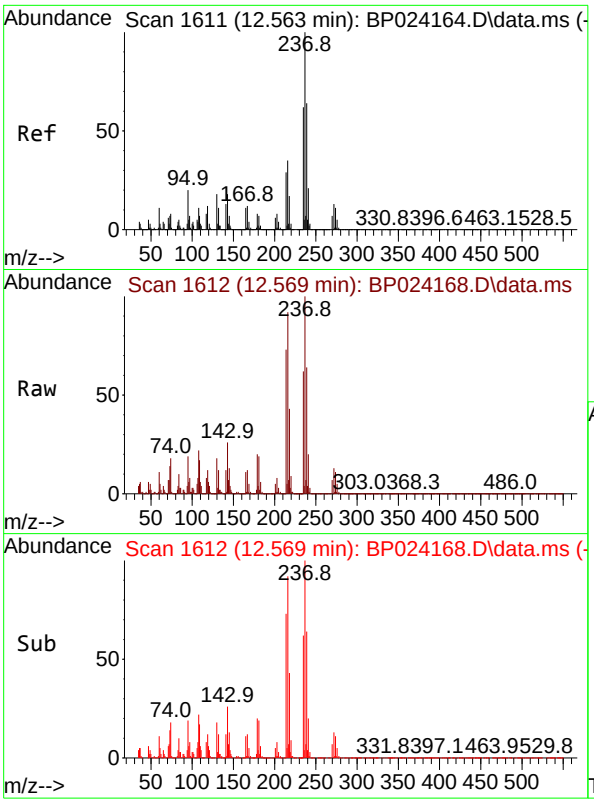




#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.988 ng
RT: 12.581 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:216 Resp: 1089303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.3 | 62.8 | 94.2 |
| 179 | 21.0 | 16.8 | 25.2 |
| 108 | 18.7 | 14.7 | 22.1 |



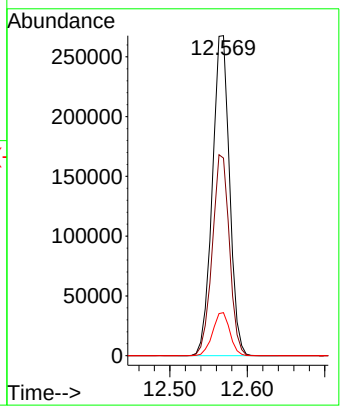


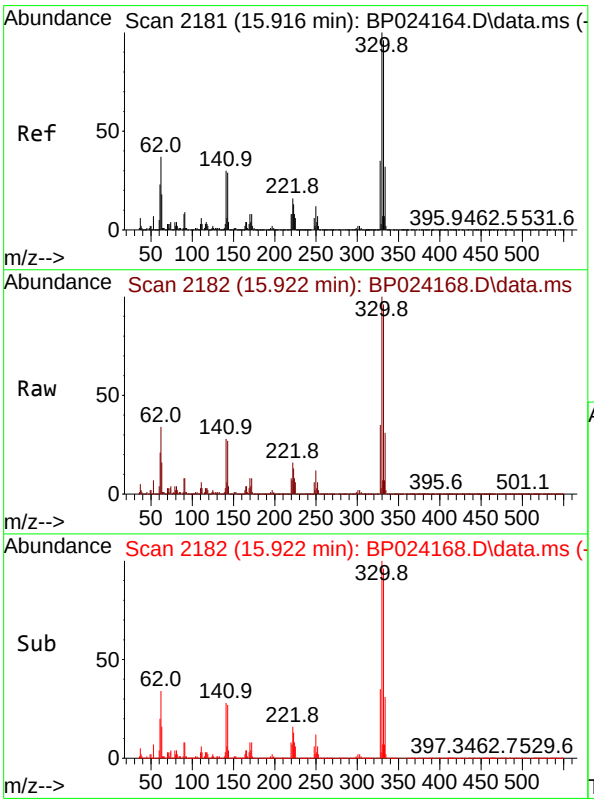

#41
Hexachlorocyclopentadiene
Concen: 41.026 ng
RT: 12.569 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:237 Resp: 413181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.8 | 41.8 | 81.8 |
| 272 | 13.4 | 0.0 | 33.5 |

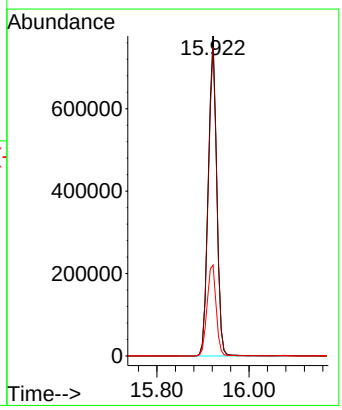


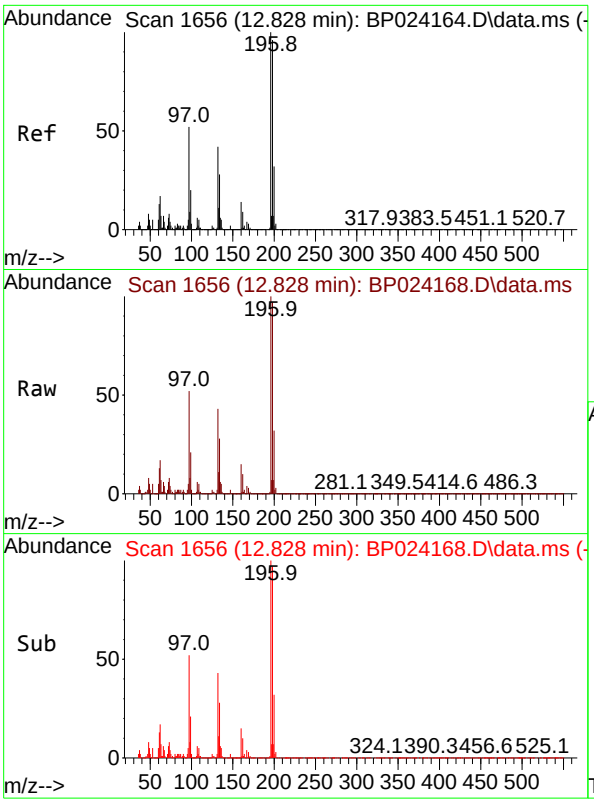




#42
2,4,6-Tribromophenol
Concen: 81.766 ng
RT: 15.922 min Scan# 2182
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:330 Resp: 995466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.9 | 77.6 | 116.4 |
| 141 | 30.6 | 25.0 | 37.6 |



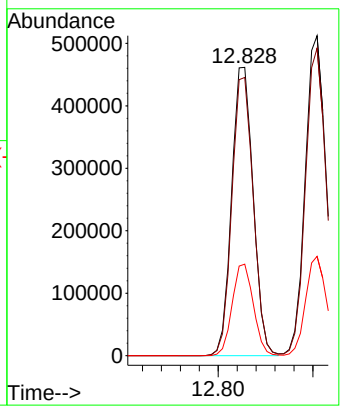


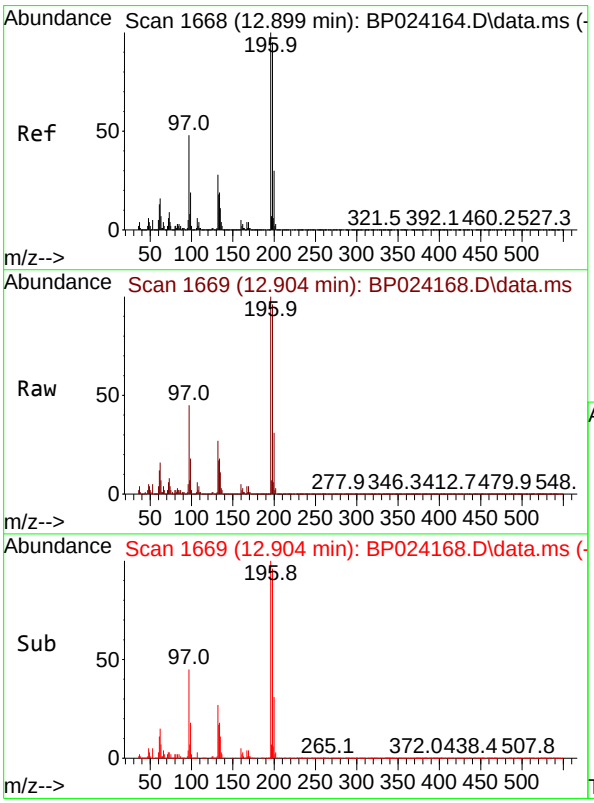

#43
2,4,6-Trichlorophenol
Concen: 40.950 ng
RT: 12.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:196 Resp: 727105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.5 | 76.6 | 115.0 |
| 200 | 31.7 | 25.4 | 38.0 |

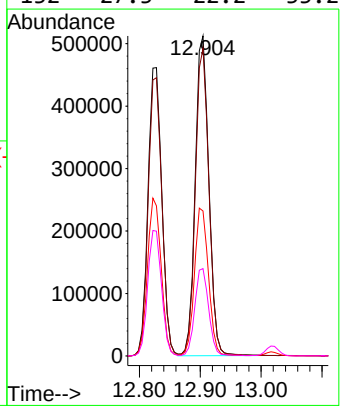


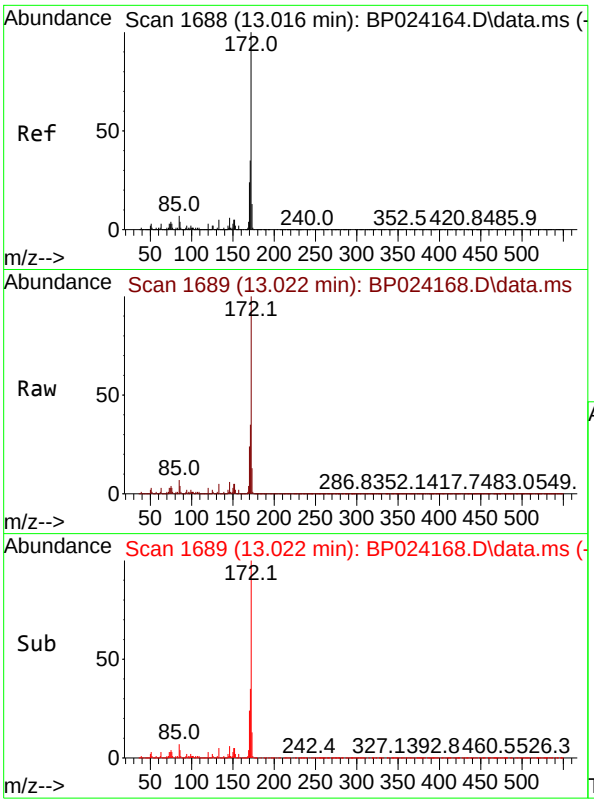




#44
2,4,5-Trichlorophenol
Concen: 40.985 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:196 Resp: 798076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.1 | 76.5 | 114.7 |
| 97 | 45.3 | 38.7 | 58.1 |
| 132 | 27.3 | 22.2 | 33.2 |



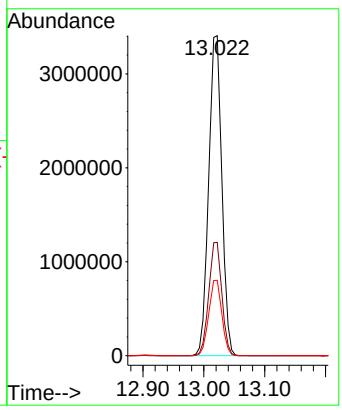


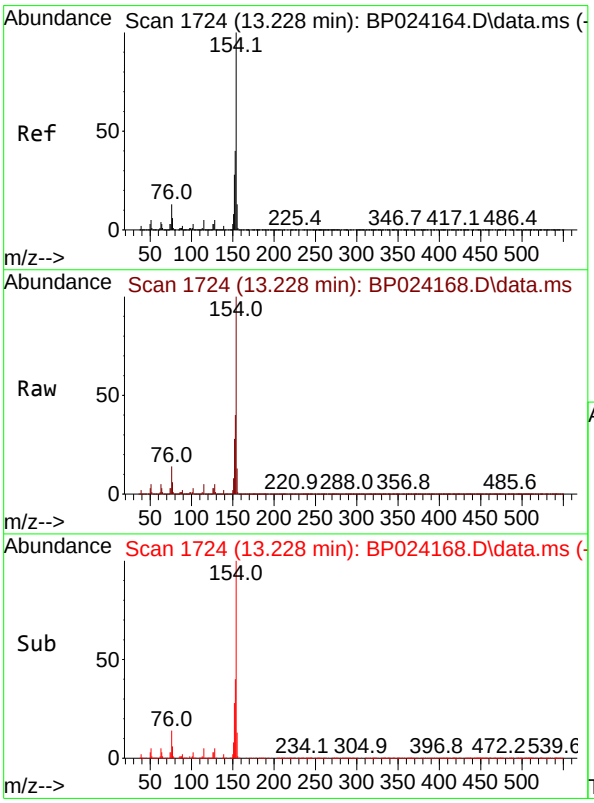

#45
2-Fluorobiphenyl
Concen: 77.885 ng
RT: 13.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:172 Resp: 5105223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 28.3 | 42.5 |
| 170 | 23.6 | 19.0 | 28.4 |

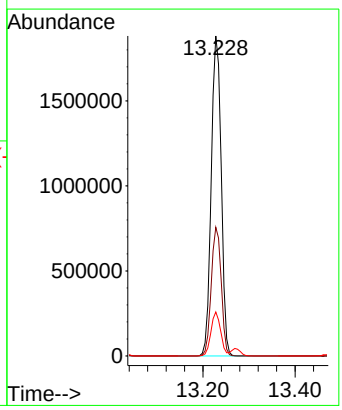


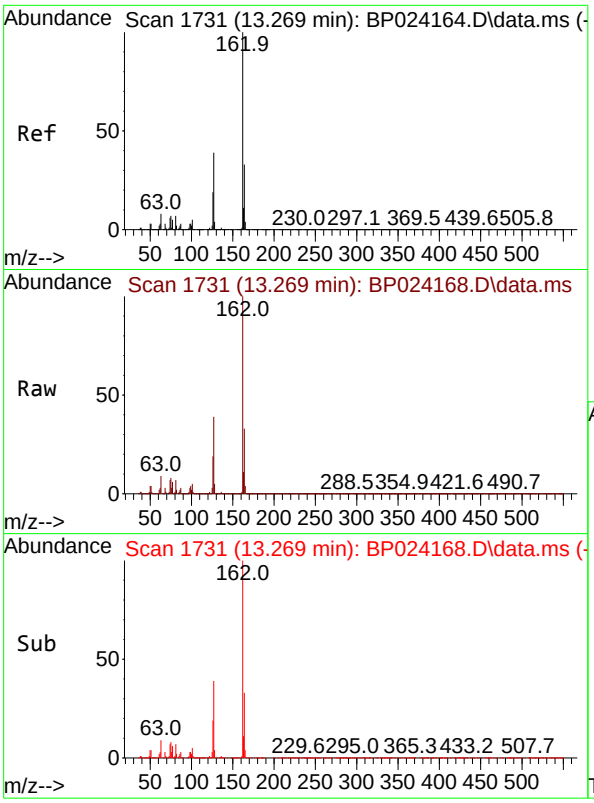




#46
1,1'-Biphenyl
Concen: 38.846 ng
RT: 13.228 min Scan# 1724
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:154 Resp: 2821370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.2 | 20.3 | 60.3 |
| 76 | 13.7 | 0.0 | 32.9 |



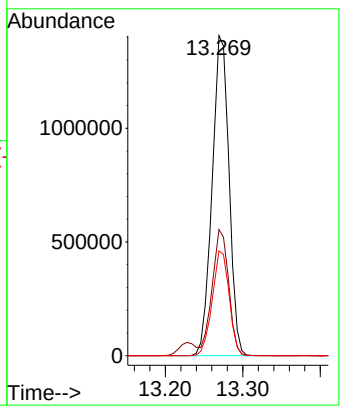


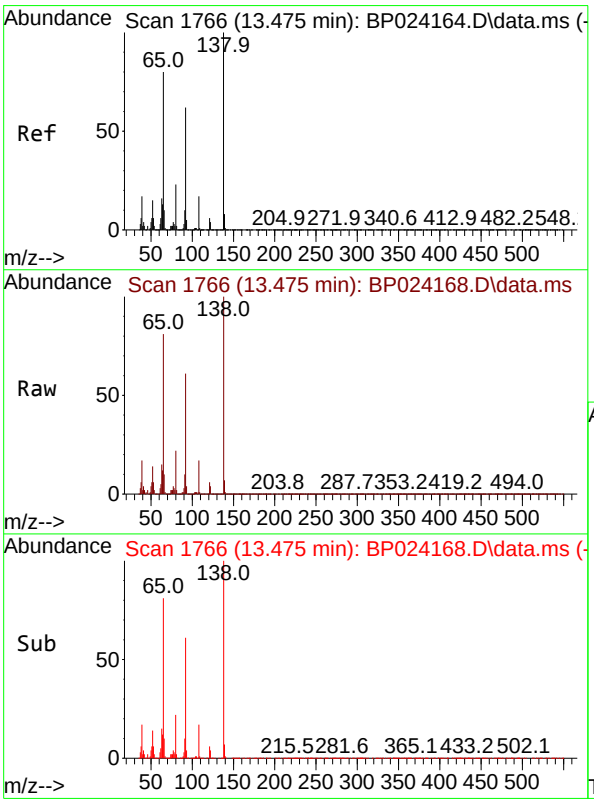

#47
2-Chloronaphthalene
Concen: 39.006 ng
RT: 13.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:162 Resp: 2130879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 39.4 | 31.5 | 47.3 |
| 164 | 32.8 | 26.6 | 39.8 |

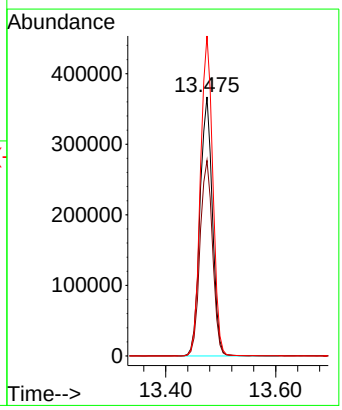


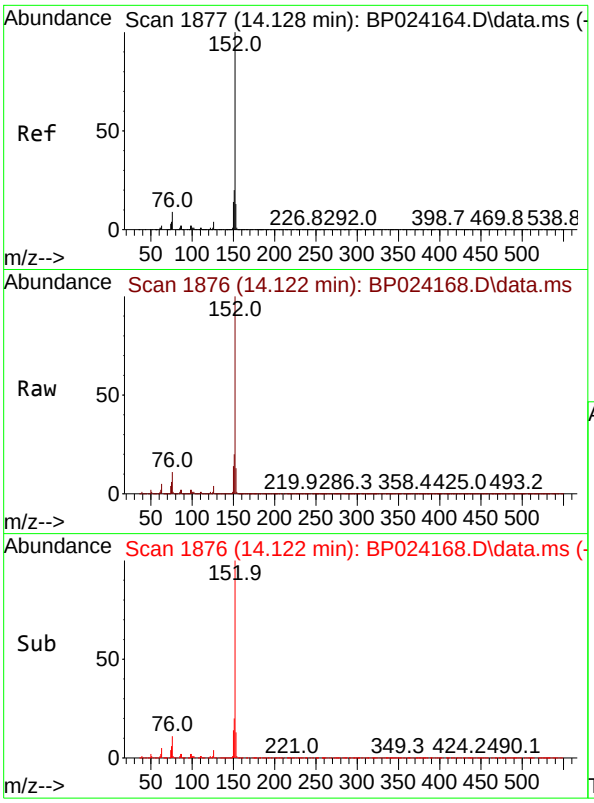




#48
2-Nitroaniline
Concen: 41.137 ng
RT: 13.475 min Scan# 1766
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion: 65 Resp: 574806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 75.5 | 62.1 | 93.1 |
| 138 | 123.5 | 99.5 | 149.3 |



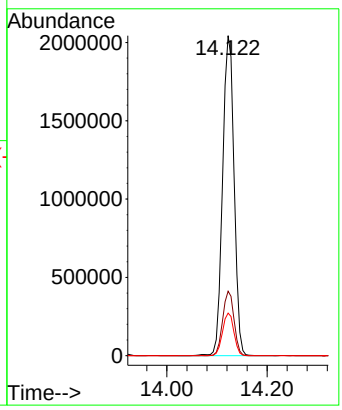


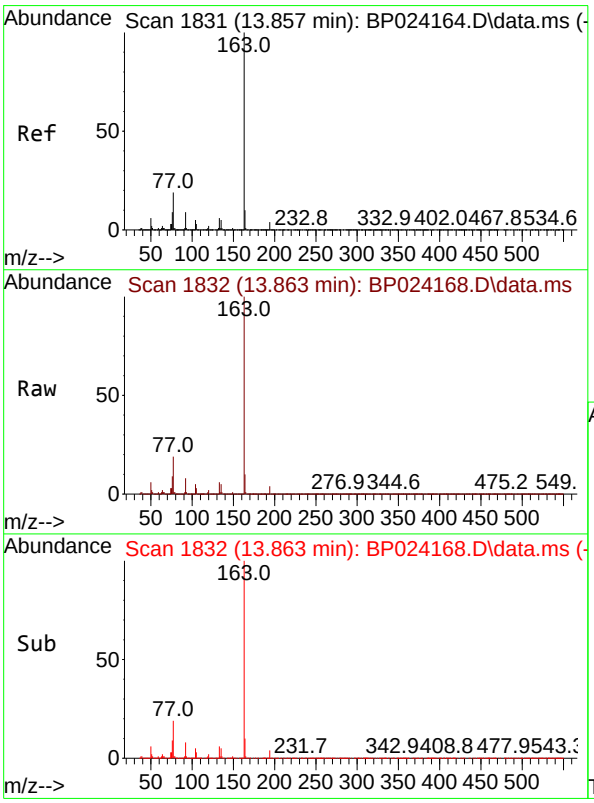

#49
Acenaphthylene
Concen: 39.262 ng
RT: 14.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:152 Resp: 3245488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.0 | 24.0 |
| 153 | 13.3 | 10.6 | 15.8 |

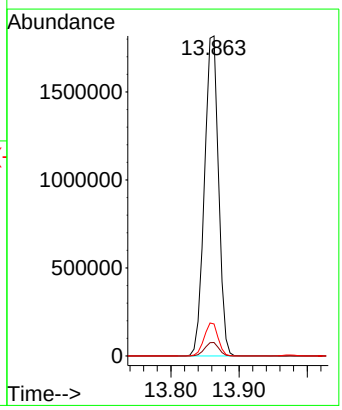


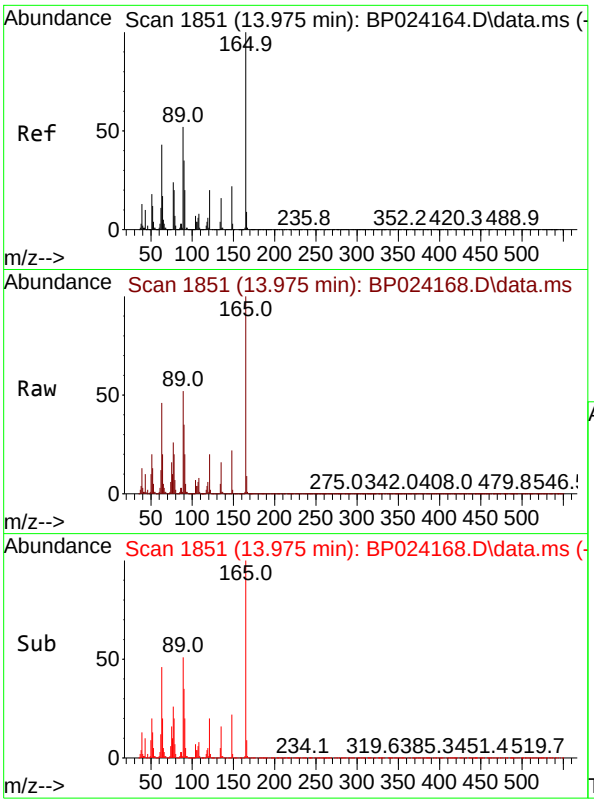




#50
Dimethylphthalate
Concen: 38.548 ng
RT: 13.863 min Scan# 1832
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:163 Resp: 2606961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.4 | 5.0 |
| 164 | 10.0 | 8.2 | 12.4 |



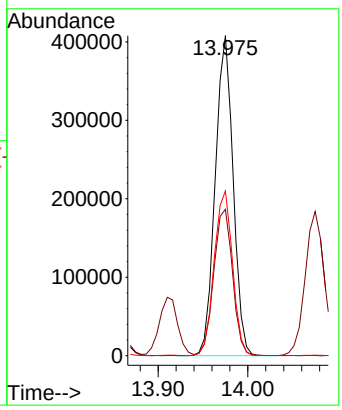


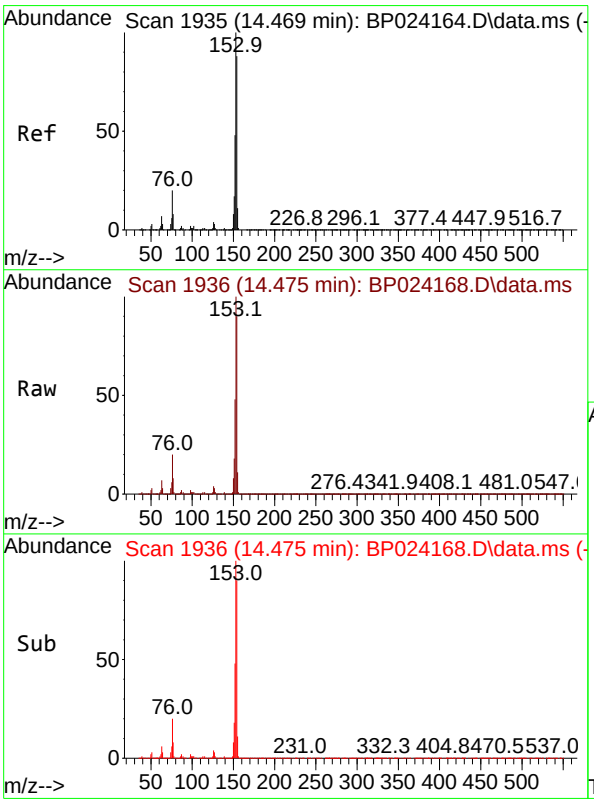

#51
2,6-Dinitrotoluene
Concen: 39.611 ng
RT: 13.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:165 Resp: 563651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 45.8 | 37.7 | 56.5 |
| 89 | 51.5 | 41.9 | 62.9 |

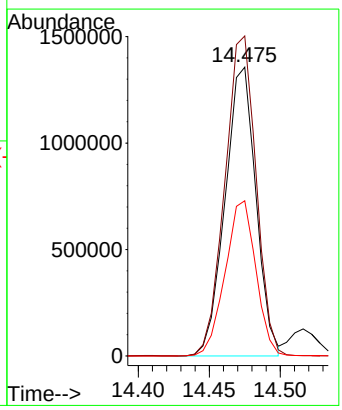


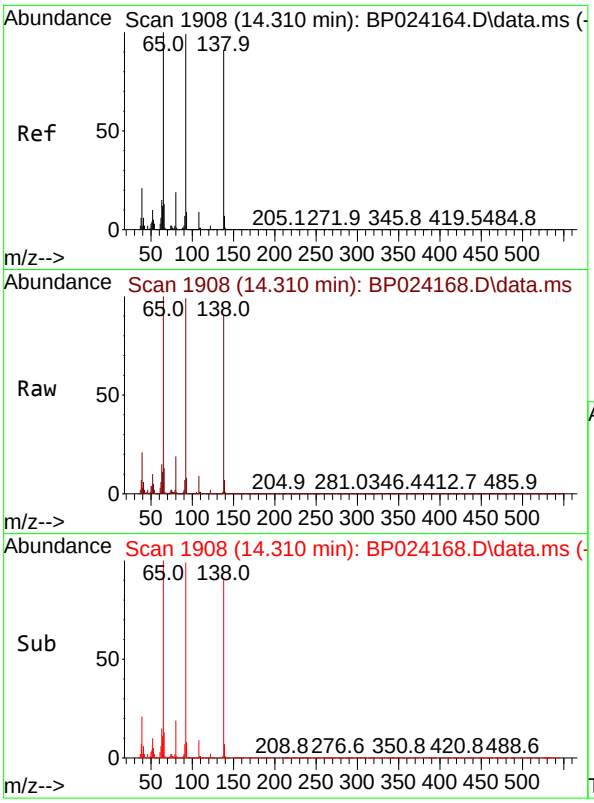




#52
Acenaphthene
Concen: 38.881 ng
RT: 14.475 min Scan# 1936
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:154 Resp: 2053476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 110.8 | 90.5 | 135.7 |
| 152 | 53.7 | 43.1 | 64.7 |



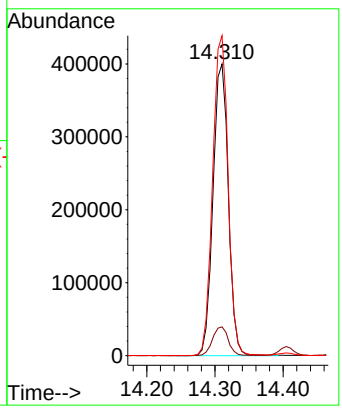


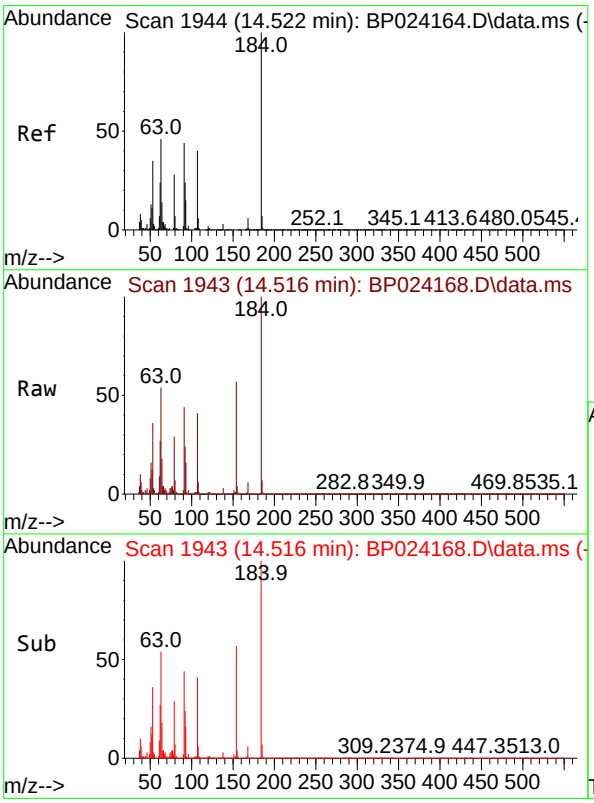

#53
3-Nitroaniline
Concen: 40.719 ng
RT: 14.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:138 Resp: 625803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 9.9 | 8.2 | 12.2 |
| 92 | 109.7 | 86.7 | 130.1 |

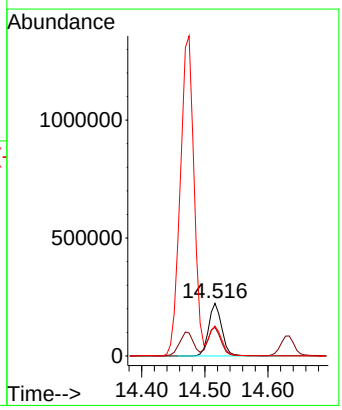


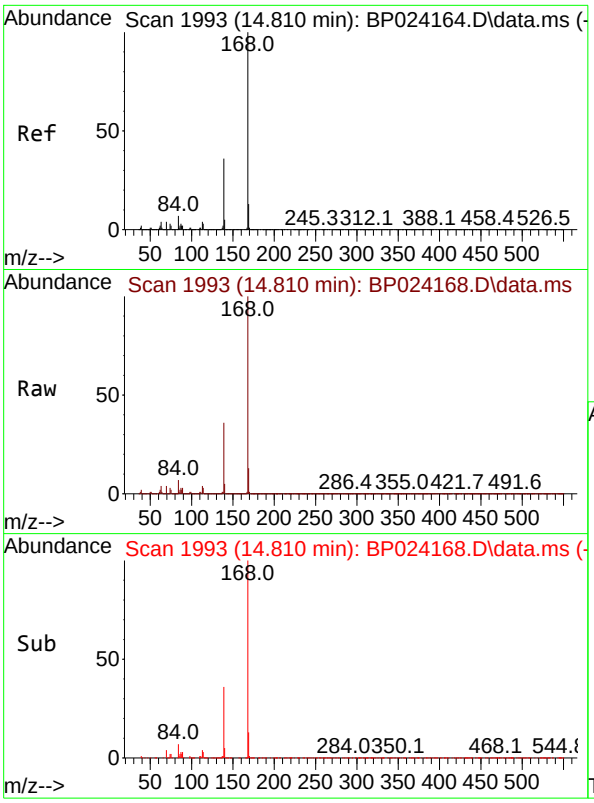




#54
2,4-Dinitrophenol
Concen: 42.791 ng
RT: 14.516 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:184 Resp: 322185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 54.2 | 42.1 | 63.1 |
| 154 | 56.8 | 44.6 | 67.0 |



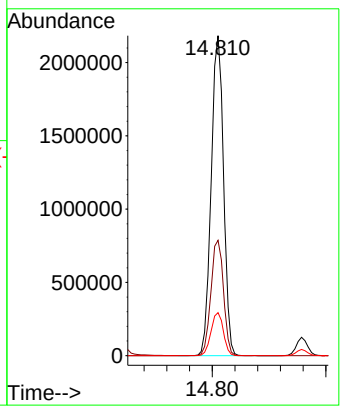


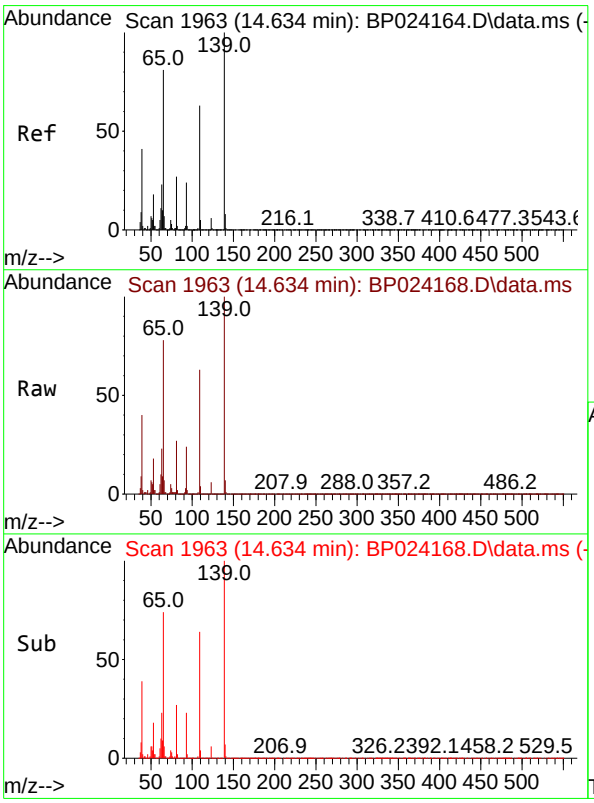

#55
Dibenzofuran
Concen: 38.264 ng
RT: 14.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:168 Resp: 3273448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 36.1 | 29.1 | 43.7 |
| 169 | 13.4 | 10.8 | 16.2 |

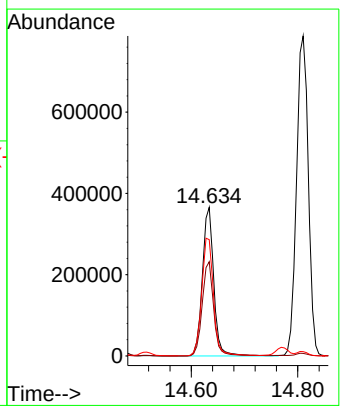


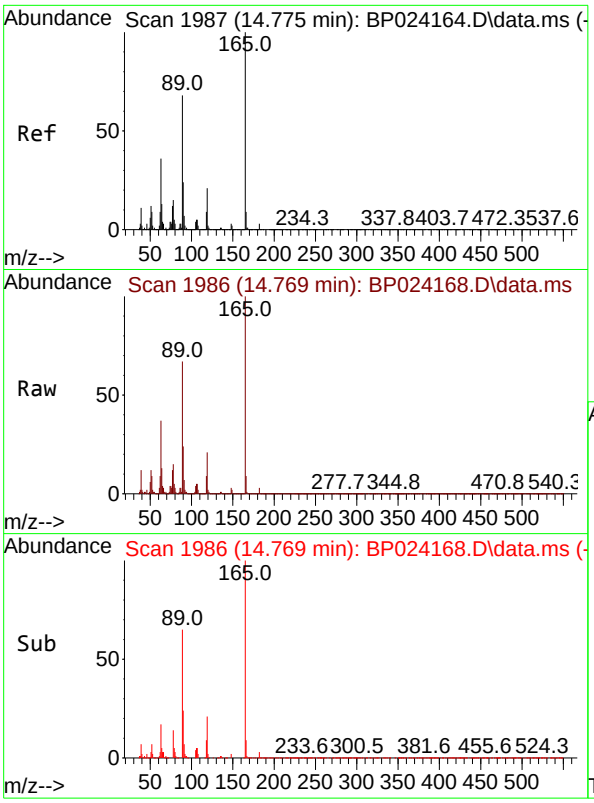




#56
4-Nitrophenol
Concen: 42.293 ng
RT: 14.634 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:139 Resp: 543119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 63.4 | 43.3 | 83.3 |
| 65 | 78.3 | 61.2 | 101.2 |



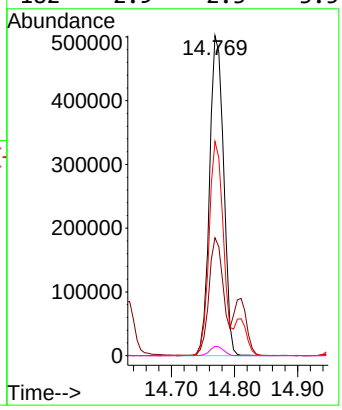


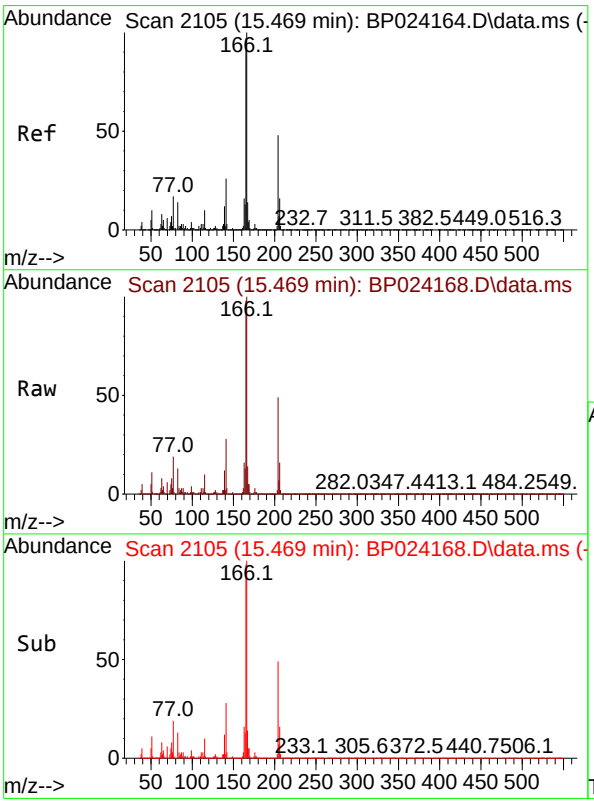

#57
2,4-Dinitrotoluene
Concen: 41.106 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:165 Resp: 772629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 36.9 | 29.0 | 43.6 |
| 89 | 66.9 | 54.2 | 81.4 |
| 182 | 2.9 | 2.3 | 3.5 |

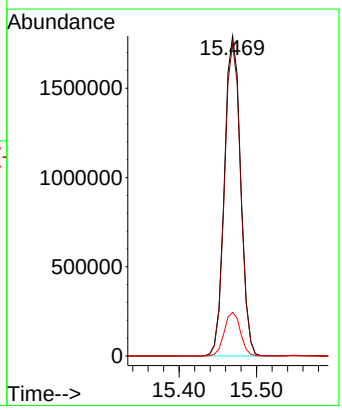


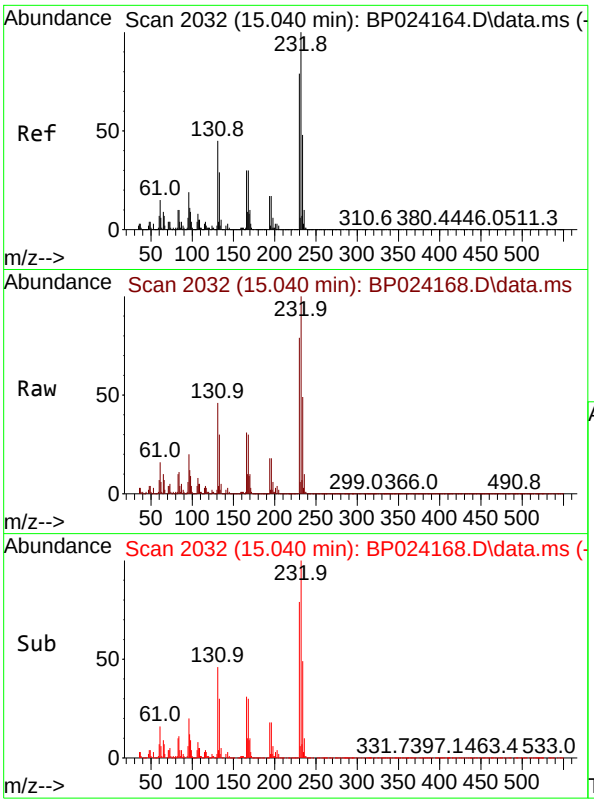




#58
Fluorene
Concen: 39.061 ng
RT: 15.469 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:166 Resp: 2603595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.5 | 77.6 | 116.4 |
| 167 | 13.6 | 10.8 | 16.2 |



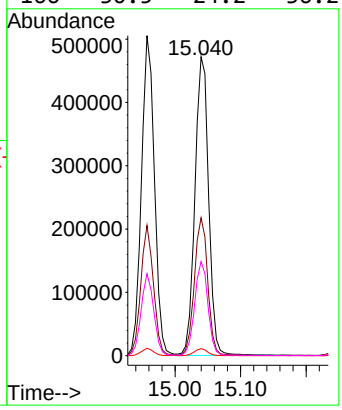


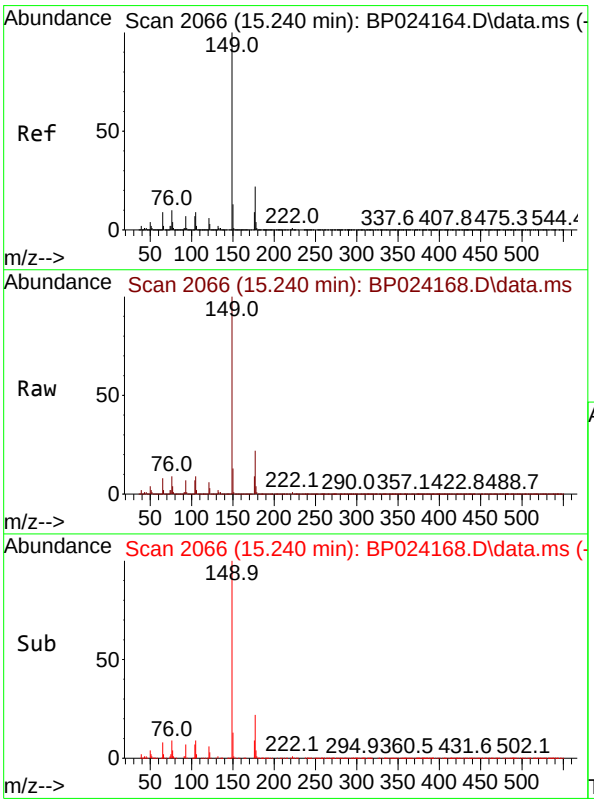

#59
2,3,4,6-Tetrachlorophenol
Concen: 39.844 ng
RT: 15.040 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:232 Resp: 685479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.1 | 35.9 | 53.9 |
| 130 | 2.2 | 1.8 | 2.6 |
| 166 | 30.5 | 24.2 | 36.2 |

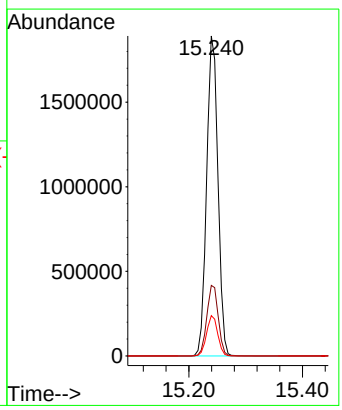


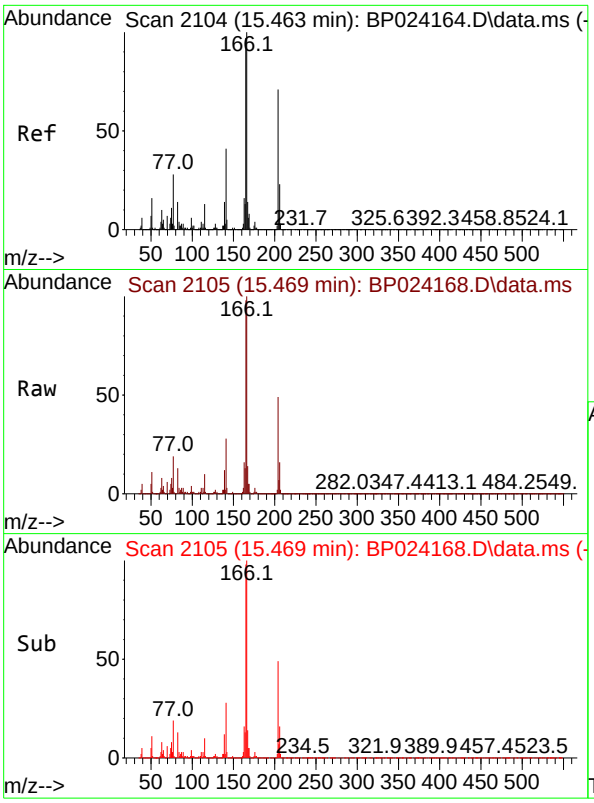




#60
Diethylphthalate
Concen: 38.539 ng
RT: 15.240 min Scan# 2066
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:149 Resp: 2595505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.1 | 17.7 | 26.5 |
| 150 | 12.6 | 10.2 | 15.4 |



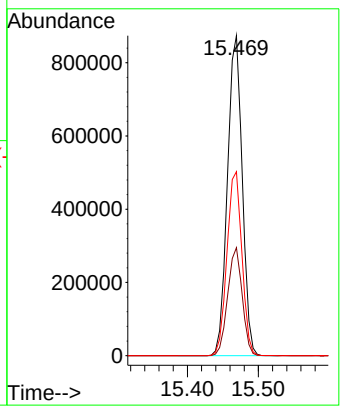


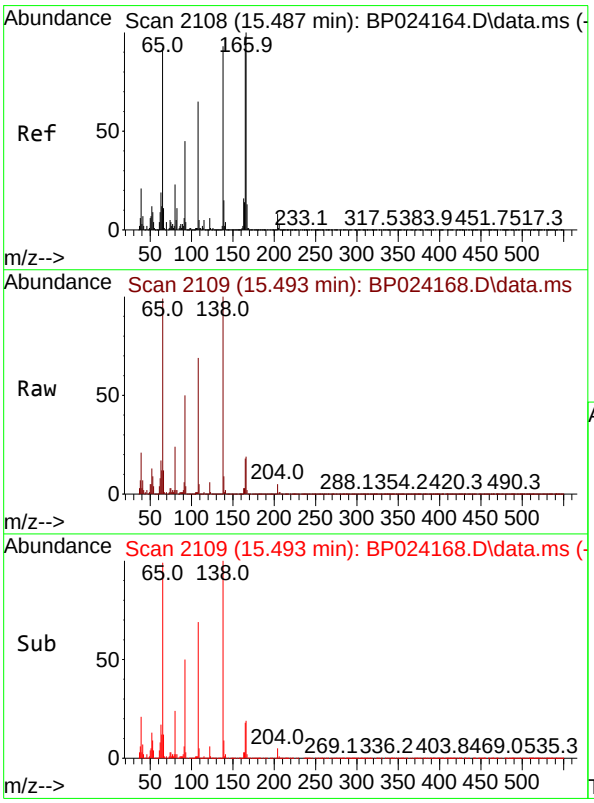

#61
4-Chlorophenyl-phenylether
Concen: 38.572 ng
RT: 15.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:204 Resp: 1261005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.7 | 26.4 | 39.6 |
| 141 | 57.5 | 45.8 | 68.8 |

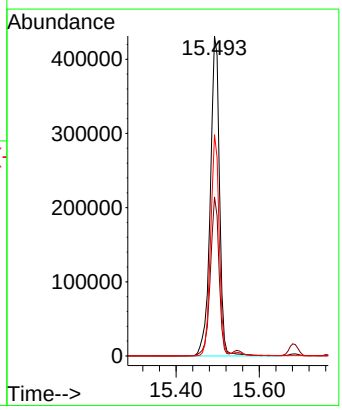


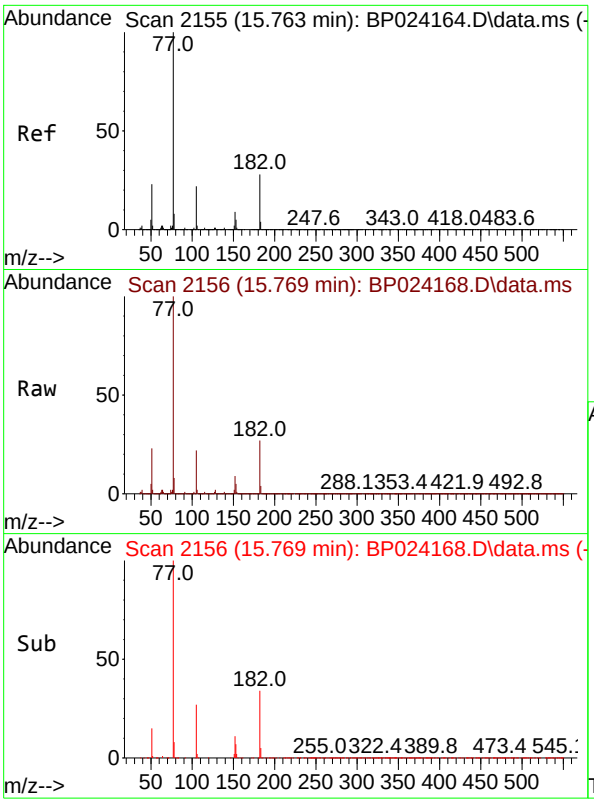




#62
4-Nitroaniline
Concen: 41.253 ng
RT: 15.493 min Scan# 2109
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:138 Resp: 664956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.7 | 28.7 | 68.7 |
| 108 | 69.1 | 49.5 | 89.5 |



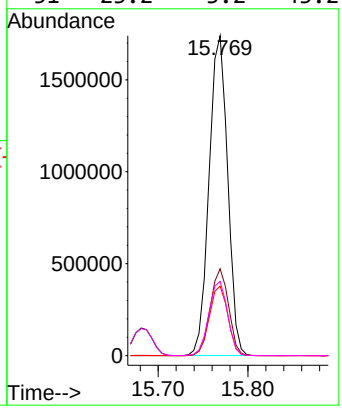


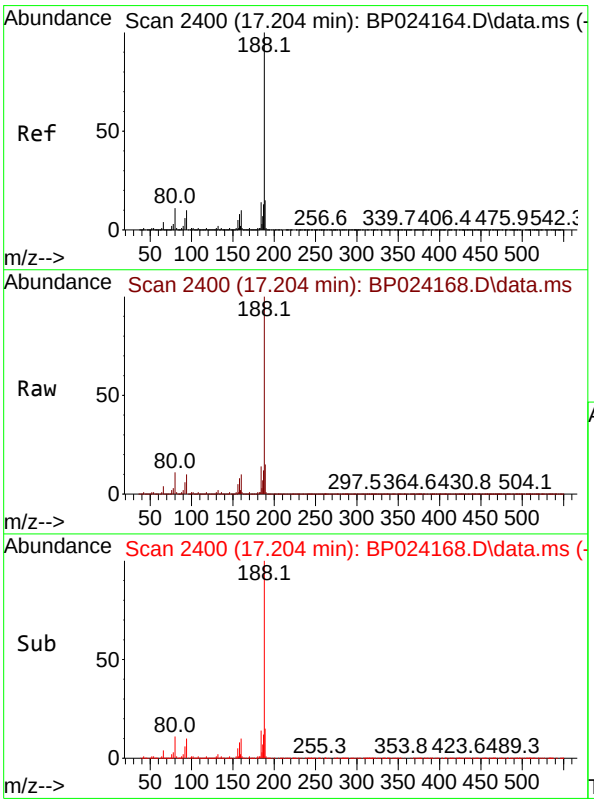

#63
Azobenzene
Concen: 39.347 ng
RT: 15.769 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion: 77 Resp: 2497600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 27.1 | 7.7 | 47.7 |
| 105 | 21.8 | 2.3 | 42.3 |
| 51 | 23.2 | 3.2 | 43.2 |

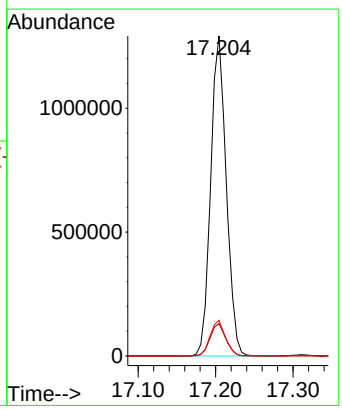


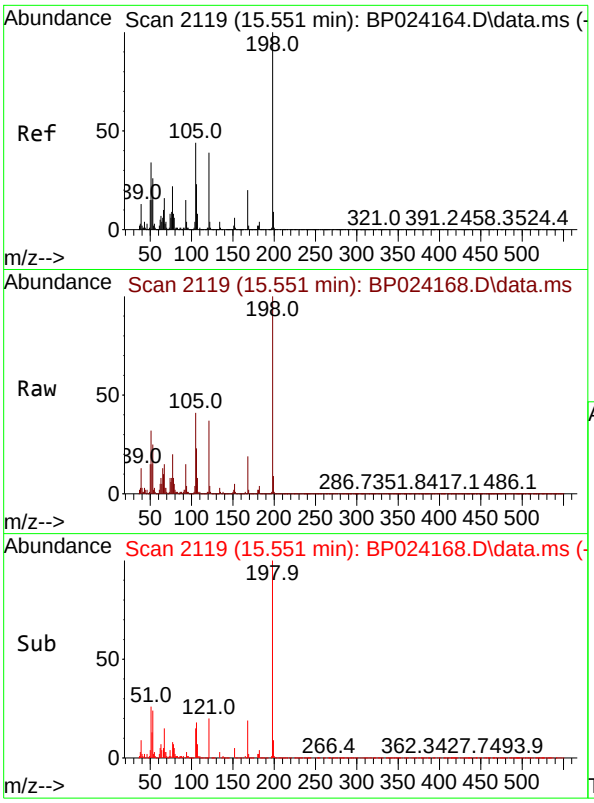




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2400
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:188 Resp: 1810172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.1 | 8.1 | 12.1 |
| 80 | 11.1 | 8.9 | 13.3 |



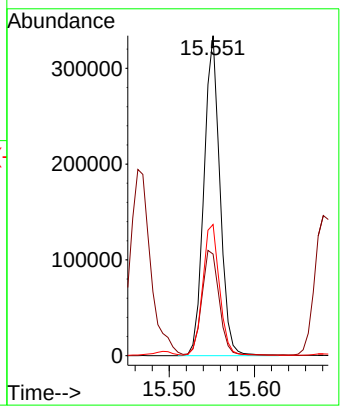


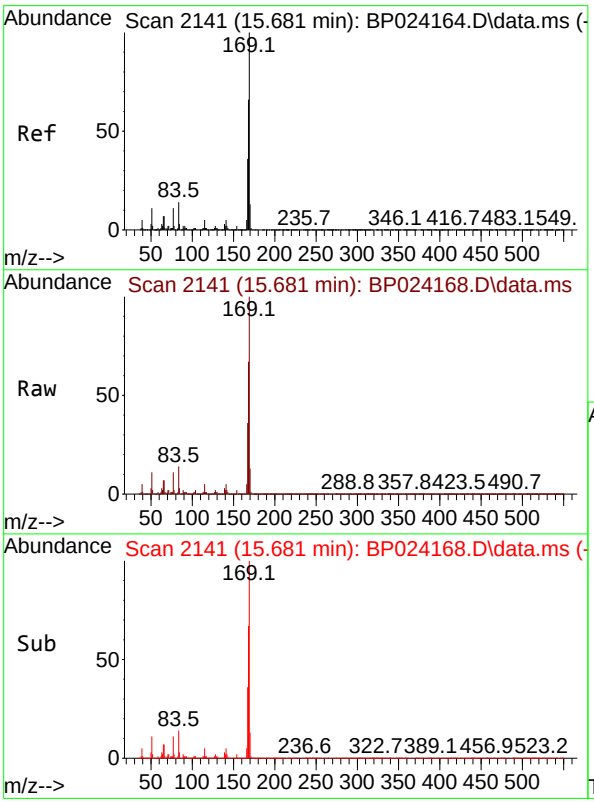

#65
4,6-Dinitro-2-methylphenol
Concen: 40.442 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:198 Resp: 434596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 31.7 | 14.7 | 54.7 |
| 105 | 41.0 | 23.8 | 63.8 |

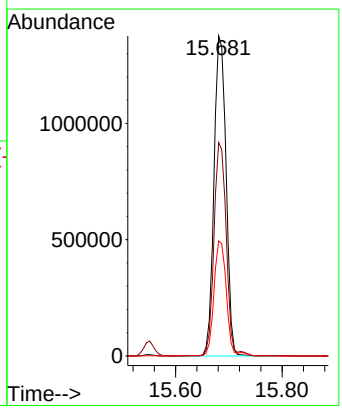


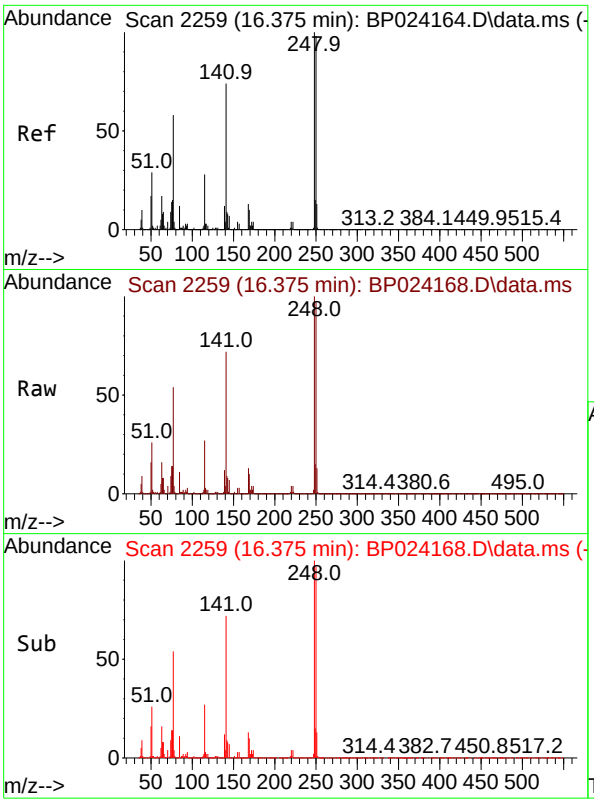




#66
n-Nitrosodiphenylamine
Concen: 39.234 ng
RT: 15.681 min Scan# 2141
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:169 Resp: 2156617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.7 | 52.9 | 79.3 |
| 167 | 35.9 | 28.8 | 43.2 |



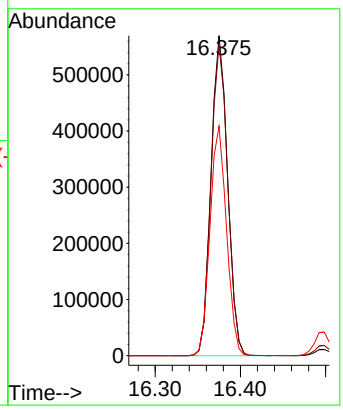


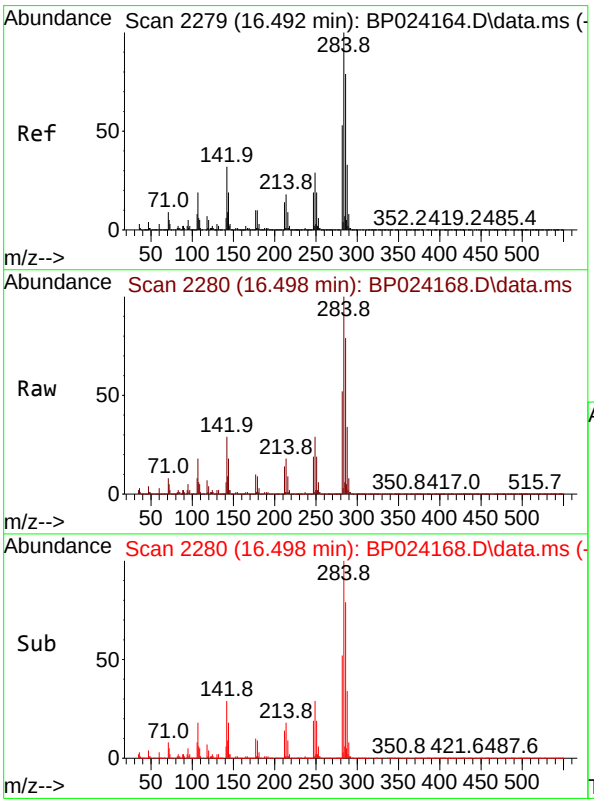

#67
4-Bromophenyl-phenylether
Concen: 38.892 ng
RT: 16.375 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:248 Resp: 772937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.3 | 78.4 | 117.6 |
| 141 | 71.7 | 59.4 | 89.0 |

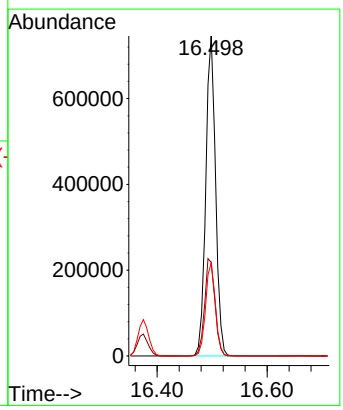


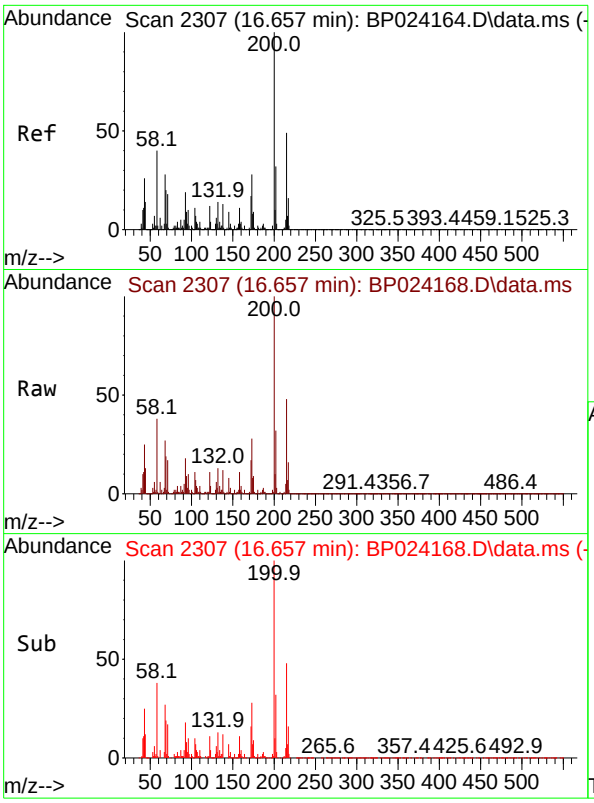




#68
Hexachlorobenzene
Concen: 39.073 ng
RT: 16.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:284 Resp: 919105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 29.3 | 25.4 | 38.2 |
| 249 | 29.1 | 23.5 | 35.3 |



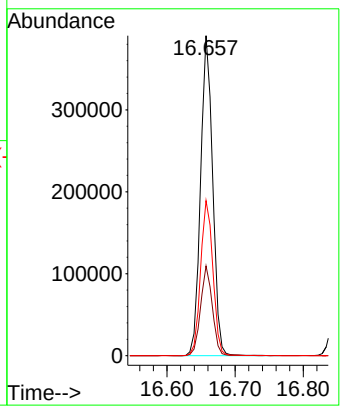


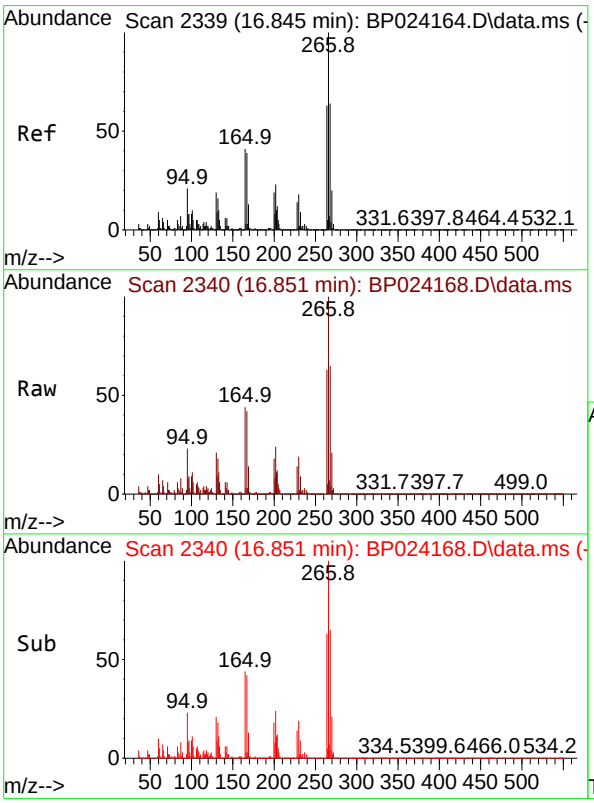

#69
Atrazine
Concen: 36.287 ng
RT: 16.657 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:200 Resp: 481443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 28.1 | 7.6 | 47.6 |
| 215 | 48.5 | 29.0 | 69.0 |

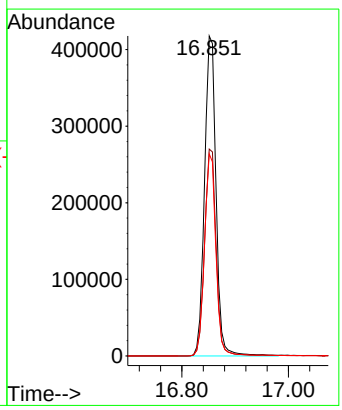


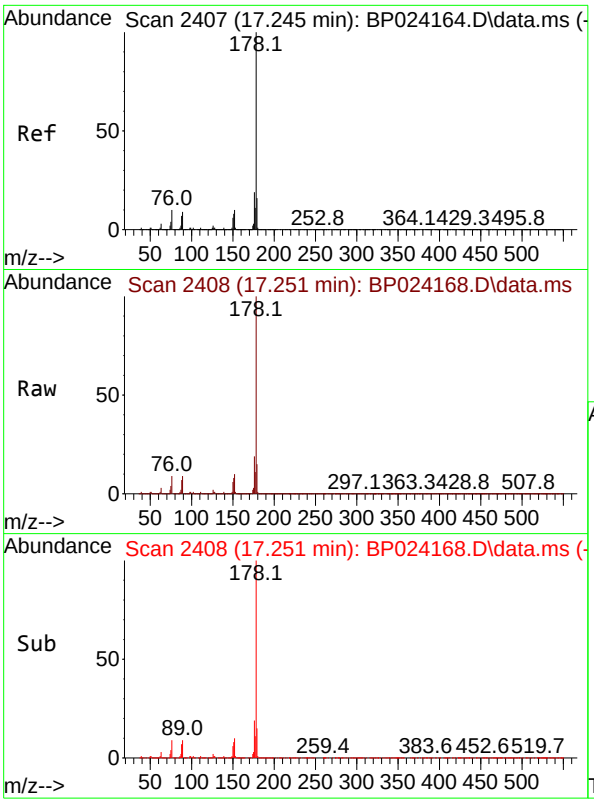




#70
Pentachlorophenol
Concen: 41.161 ng
RT: 16.851 min Scan# 2340
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:266 Resp: 626146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.6 | 51.3 | 76.9 |
| 264 | 63.1 | 50.6 | 76.0 |



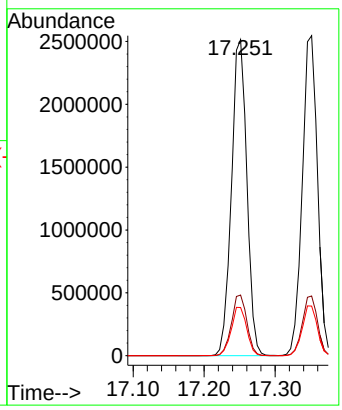


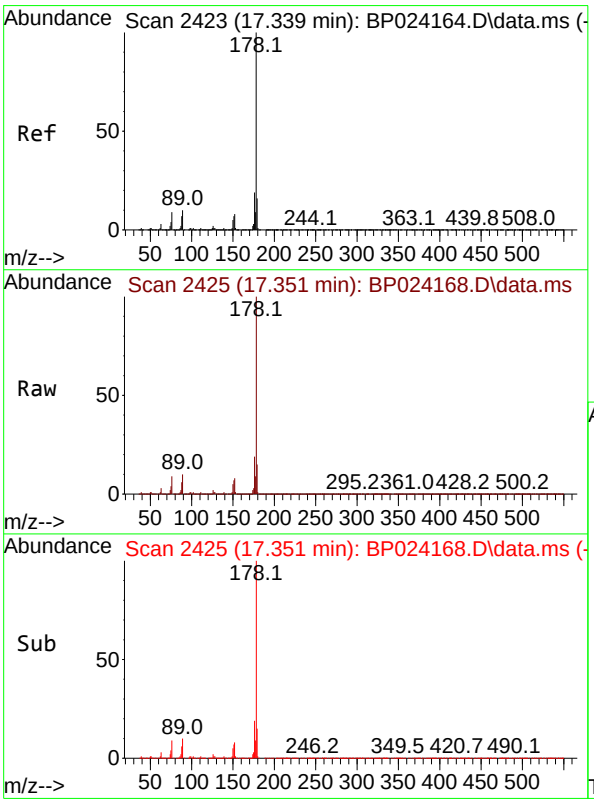

#71
Phenanthrene
Concen: 38.379 ng
RT: 17.251 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:178 Resp: 3795212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.6 | 23.4 |
| 179 | 15.2 | 12.5 | 18.7 |

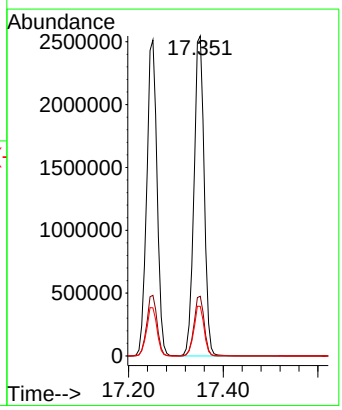


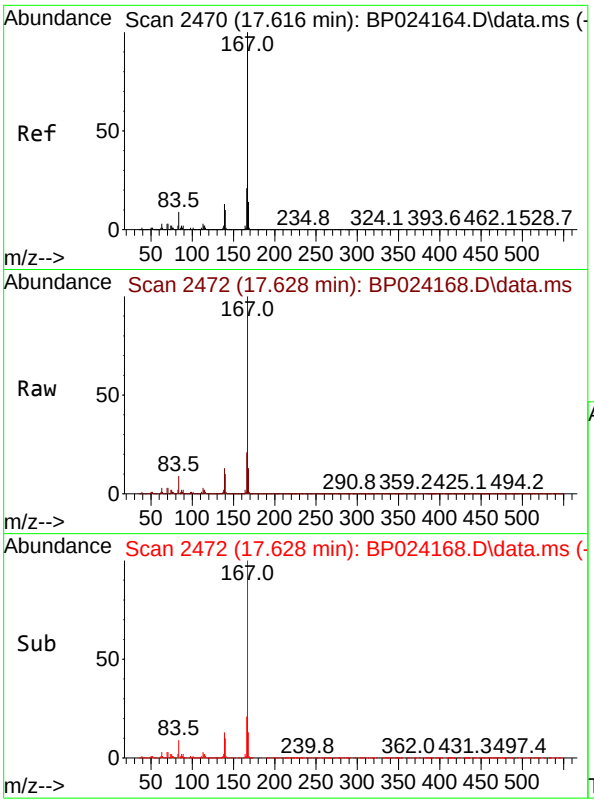




#72
Anthracene
Concen: 39.358 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:178 Resp: 3790779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.2 | 22.8 |
| 179 | 15.5 | 12.6 | 18.8 |



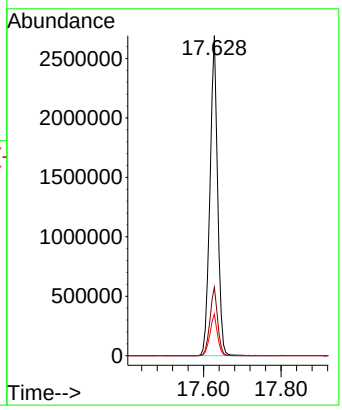


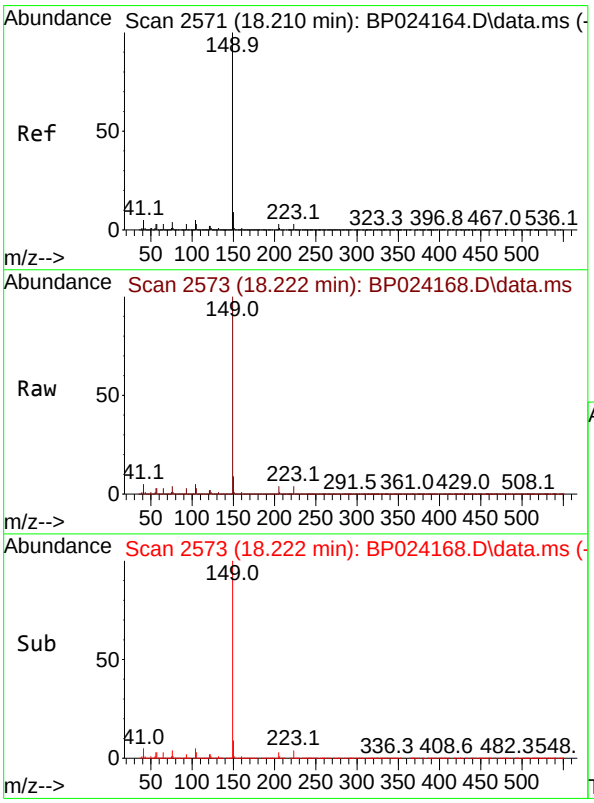

#73
Carbazole
Concen: 39.665 ng
RT: 17.628 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:167 Resp: 3684202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.4 | 17.1 | 25.7 |
| 139 | 13.0 | 10.2 | 15.4 |

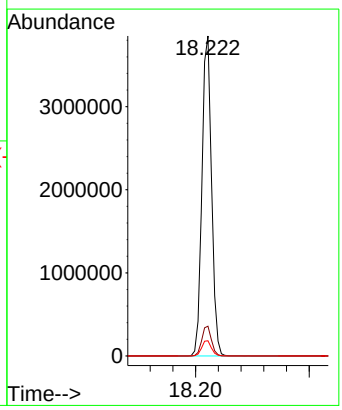


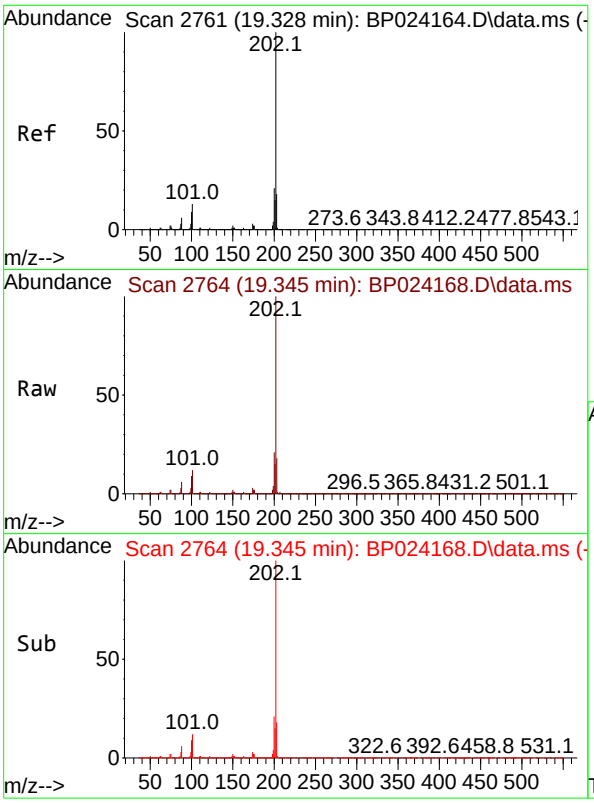




#74
Di-n-butylphthalate
Concen: 40.866 ng
RT: 18.222 min Scan# 2573
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:149 Resp: 4505984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.6 | 11.4 |
| 104 | 4.8 | 3.9 | 5.9 |



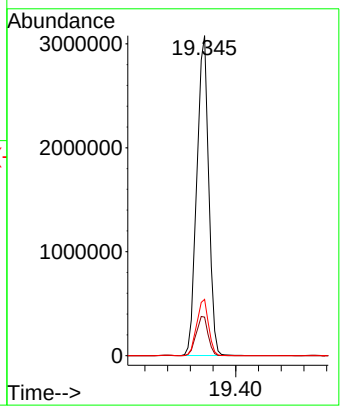


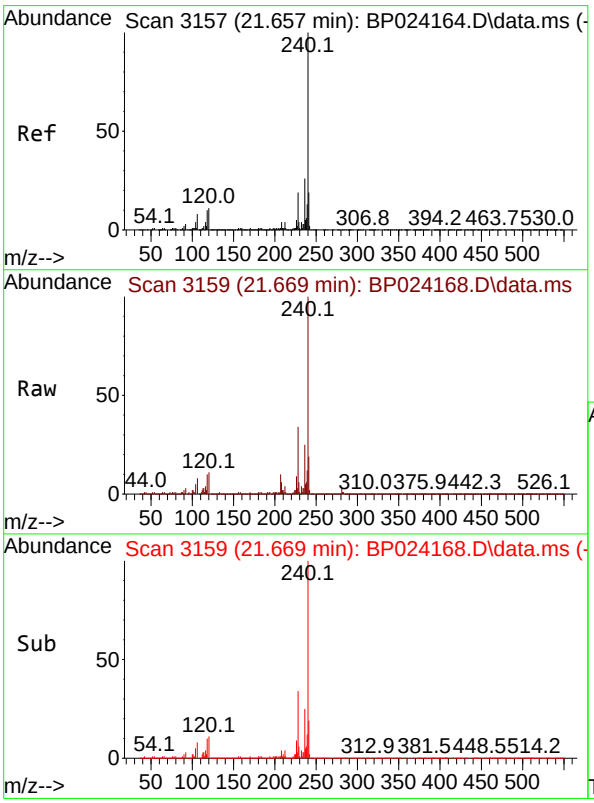

#75
Fluoranthene
Concen: 39.006 ng
RT: 19.345 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:202 Resp: 4467370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.1 | 0.0 | 32.5 |
| 203 | 17.6 | 0.0 | 37.9 |

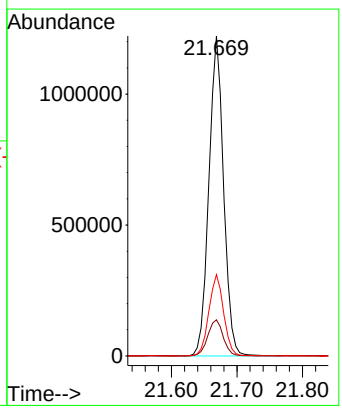


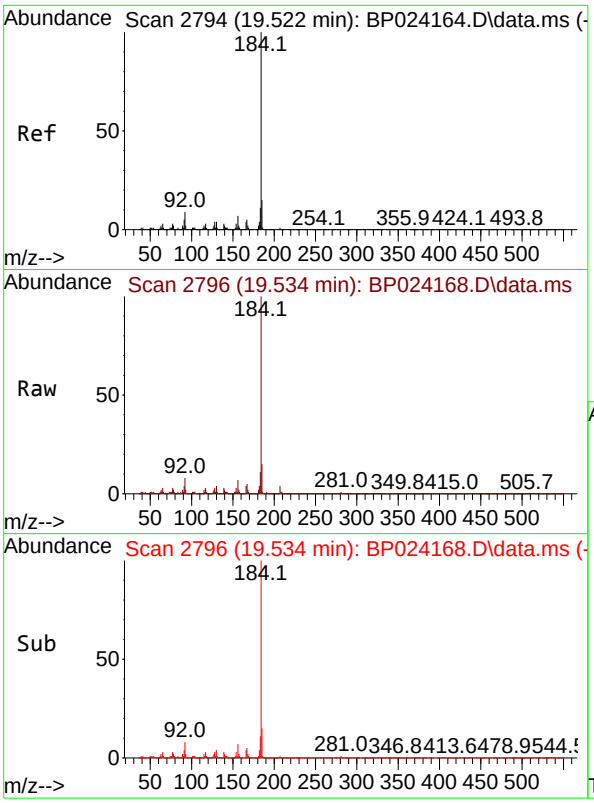




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.669 min Scan# 3159
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:240 Resp: 1903114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.3 | 9.2 | 13.8 |
| 236 | 25.4 | 20.4 | 30.6 |



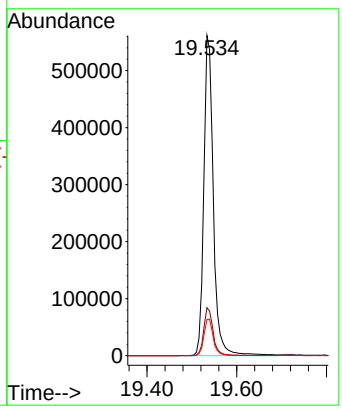


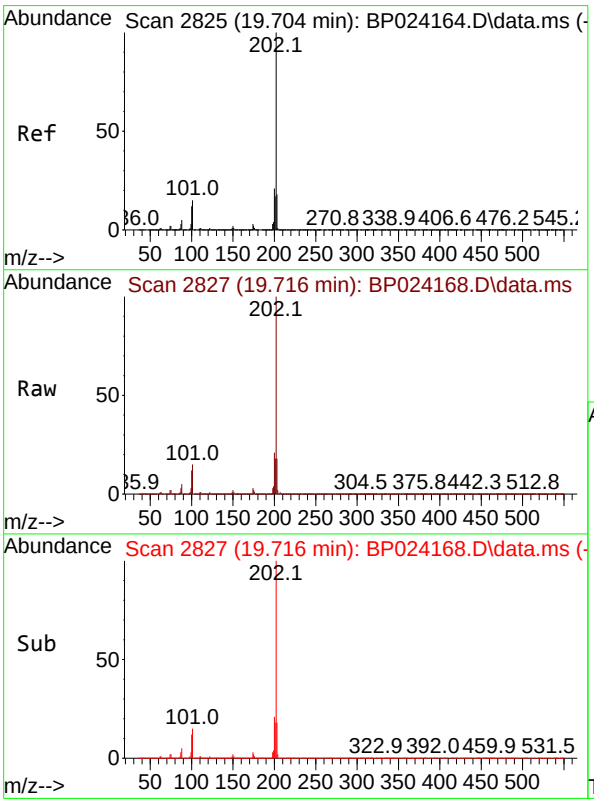

#77
Benzidine
Concen: 39.777 ng
RT: 19.534 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:184 Resp: 827654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.0 | 11.8 | 17.6 |
| 183 | 11.3 | 9.1 | 13.7 |

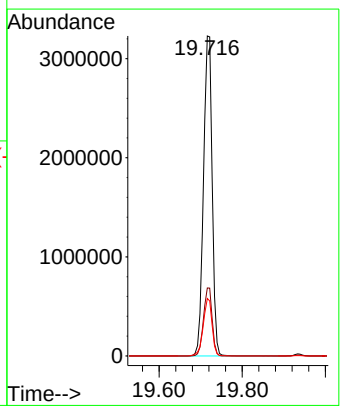


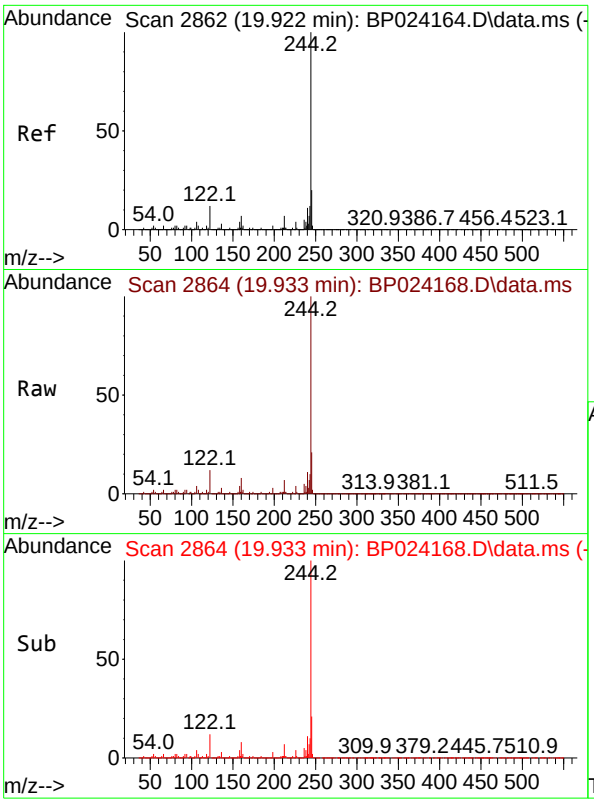




#78
Pyrene
Concen: 39.565 ng
RT: 19.716 min Scan# 2827
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:202 Resp: 4681182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 17.1 | 25.7 |
| 203 | 17.9 | 14.2 | 21.4 |



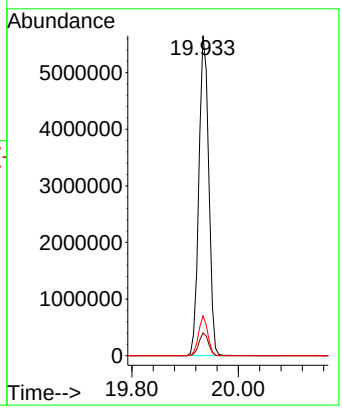


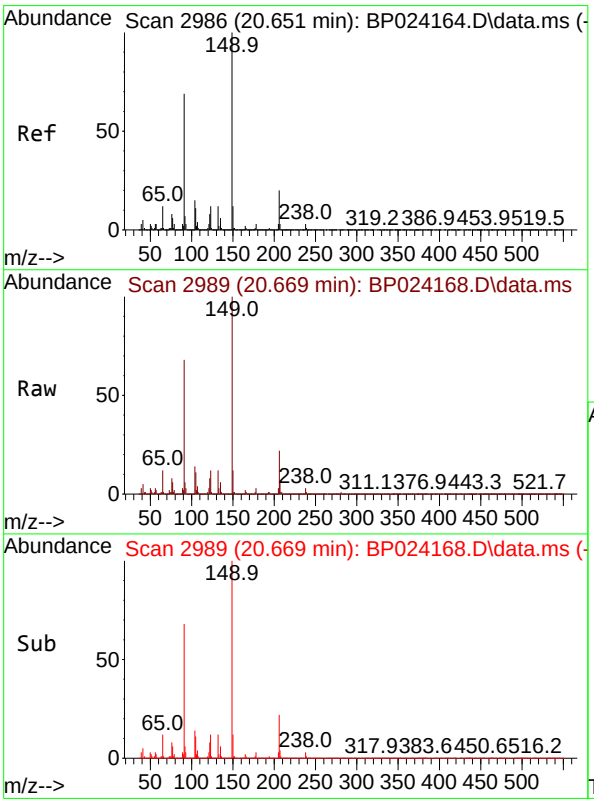

#79
Terphenyl-d14
Concen: 78.549 ng
RT: 19.933 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:244 Resp: 7241807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.7 | 8.5 |
| 122 | 12.5 | 9.6 | 14.4 |

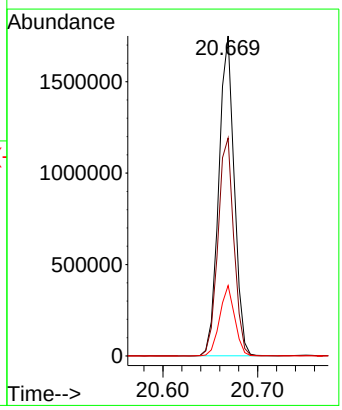


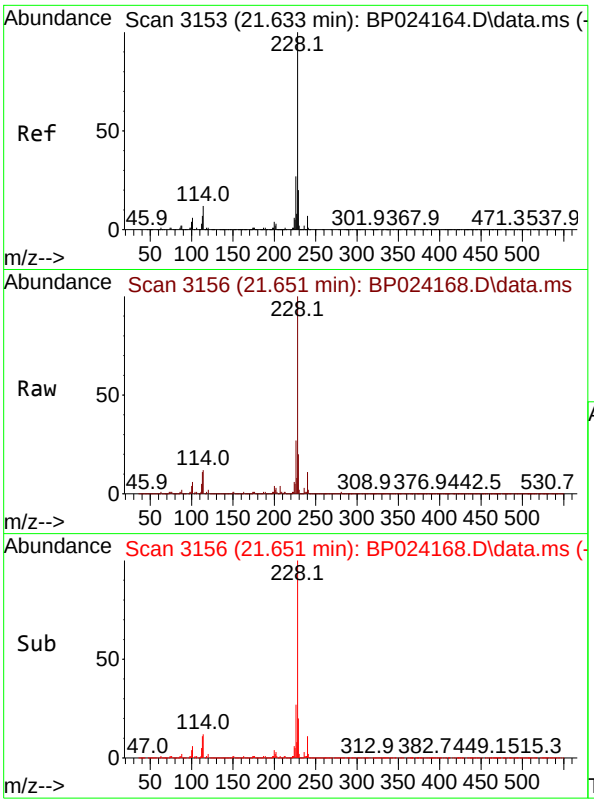




#80
Butylbenzylphthalate
Concen: 40.824 ng
RT: 20.669 min Scan# 2989
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:149 Resp: 1991838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 68.1 | 55.3 | 82.9 |
| 206 | 22.0 | 16.1 | 24.1 |



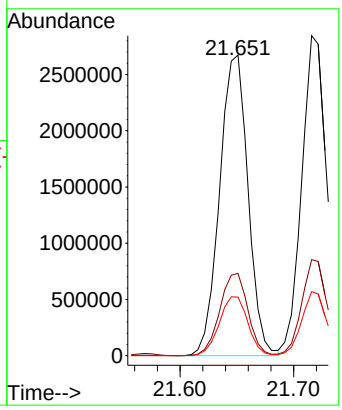


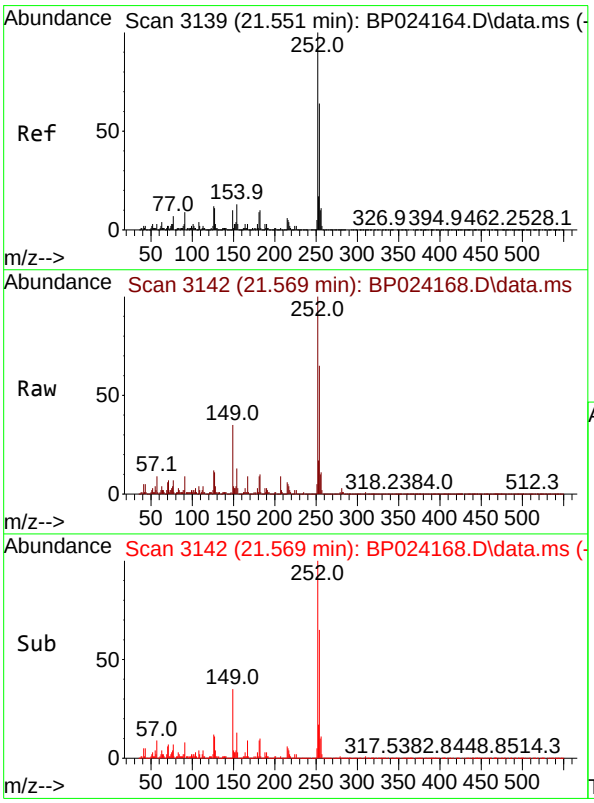

#81
Benzo(a)anthracene
Concen: 39.318 ng
RT: 21.651 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:228 Resp: 4652183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.4 | 21.8 | 32.8 |
| 229 | 19.5 | 16.0 | 24.0 |

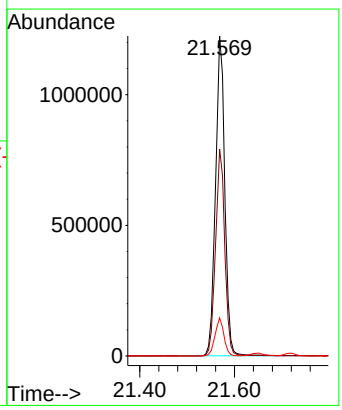


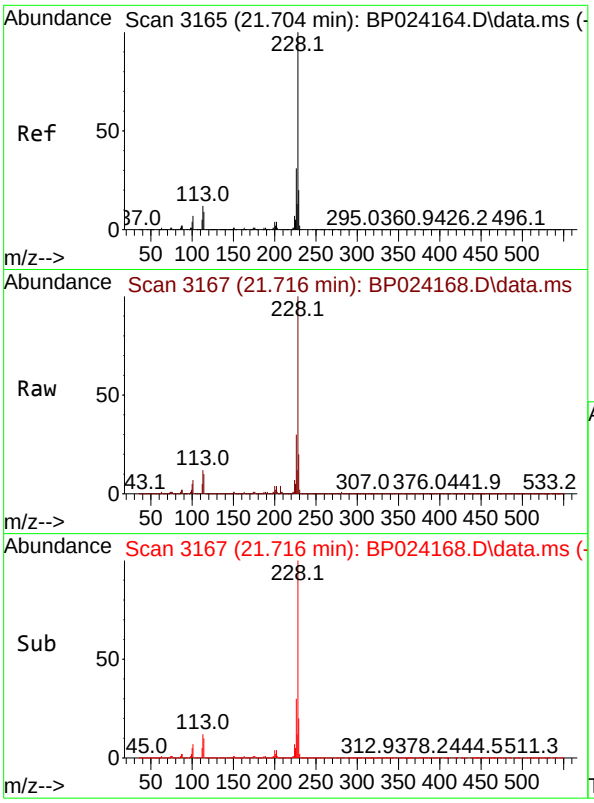




#82
3,3'-Dichlorobenzidine
Concen: 41.750 ng
RT: 21.569 min Scan# 3142
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:252 Resp: 1655655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.7 | 51.4 | 77.2 |
| 126 | 11.9 | 9.3 | 13.9 |



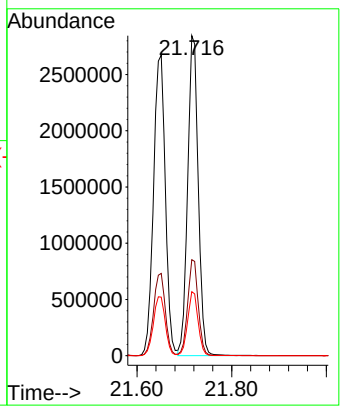


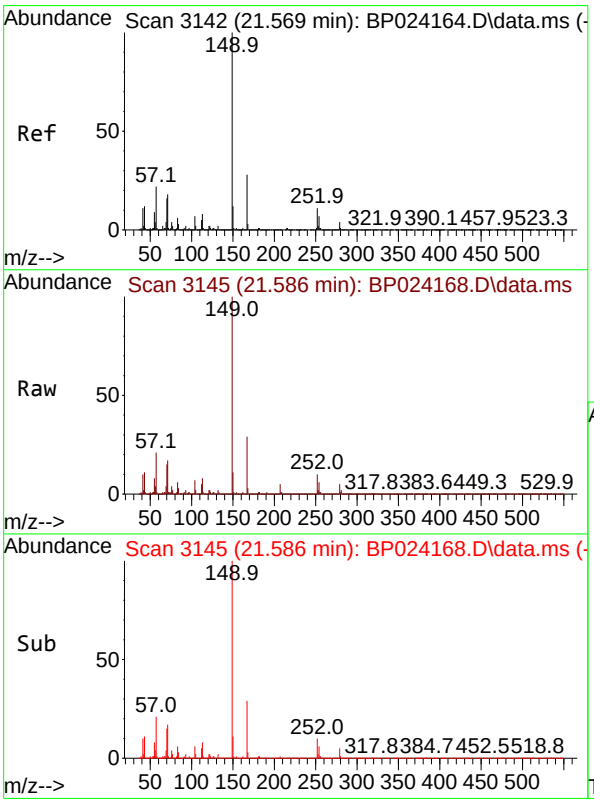

#83
Chrysene
Concen: 38.624 ng
RT: 21.716 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:228 Resp: 4393252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.0 | 24.5 | 36.7 |
| 229 | 20.0 | 16.2 | 24.2 |

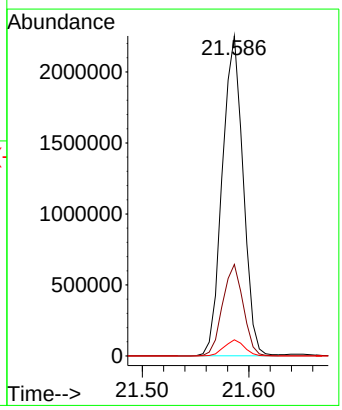


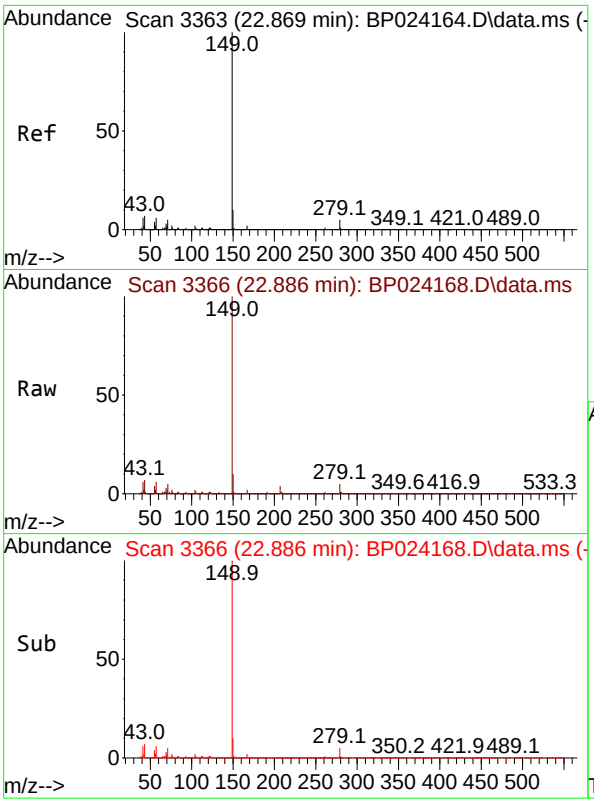




#84
Bis(2-ethylhexyl)phthalate
Concen: 41.569 ng
RT: 21.586 min Scan# 3145
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:149 Resp: 3060349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.6 | 22.5 | 33.7 |
| 279 | 5.1 | 3.6 | 5.4 |



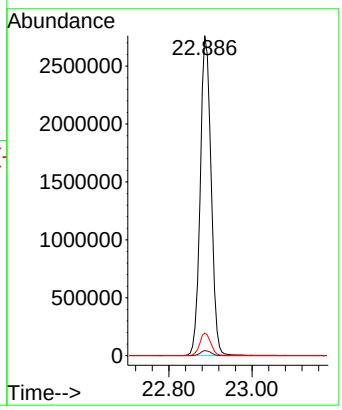


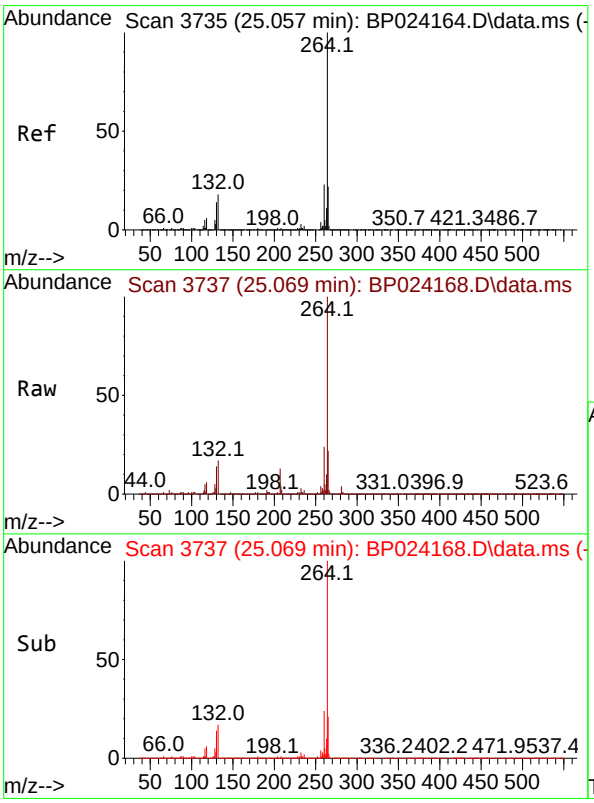

#85
Di-n-octyl phthalate
Concen: 42.452 ng
RT: 22.886 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:149 Resp: 5007462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 7.2 | 5.8 | 8.8 |

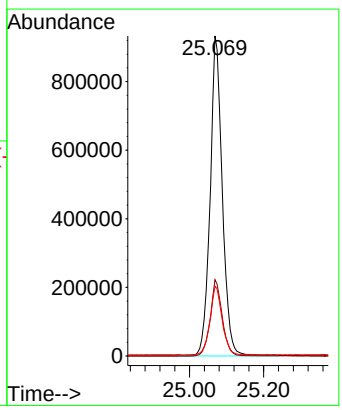


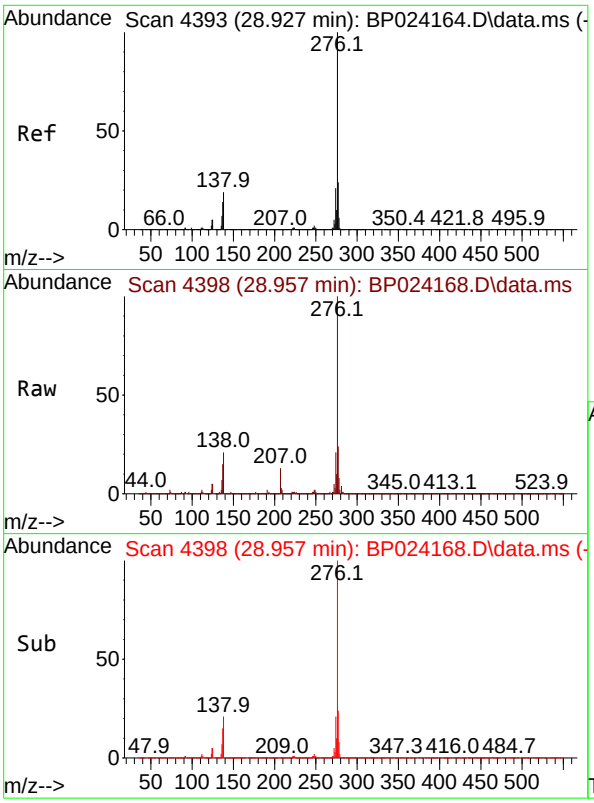




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.069 min Scan# 3737
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:264 Resp: 2127367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 18.5 | 27.7 |
| 265 | 21.8 | 17.7 | 26.5 |



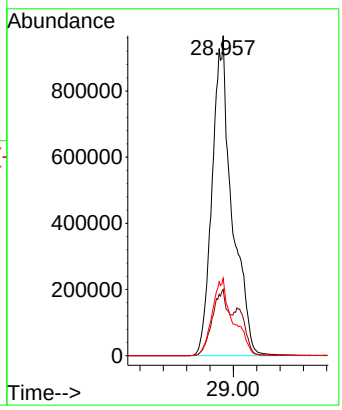


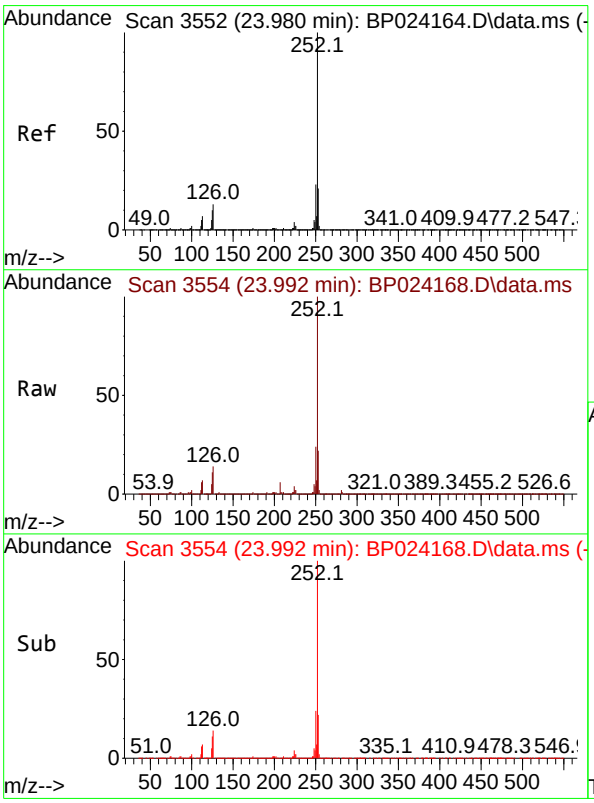

#87
Indeno(1,2,3-cd)pyrene
Concen: 38.387 ng
RT: 28.957 min Scan# 4
Delta R.T. 0.029 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:276 Resp: 5699470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.8 | 13.7 | 20.5 |
| 277 | 25.3 | 20.2 | 30.2 |

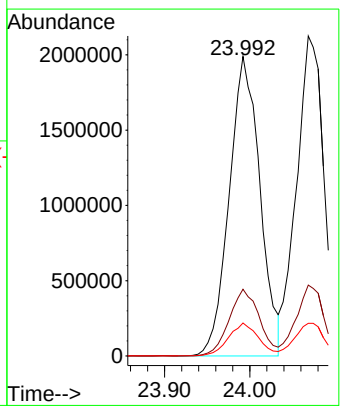


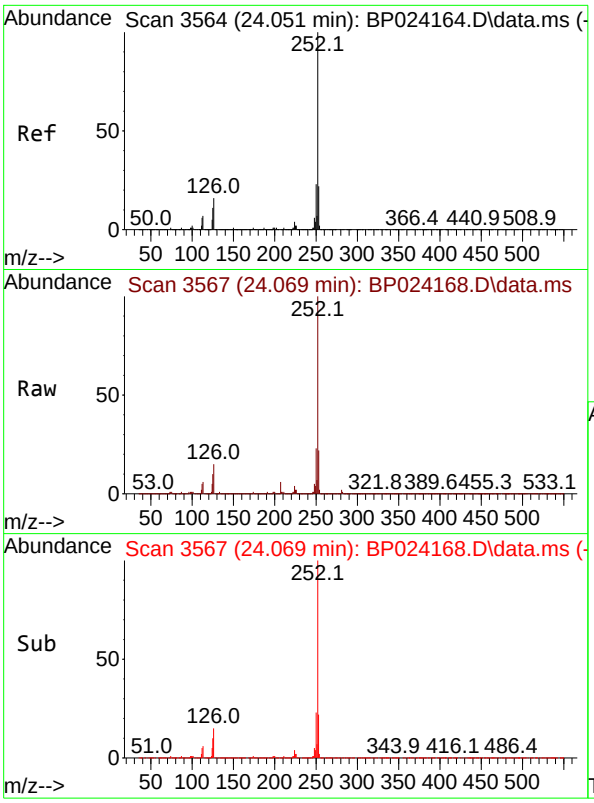




#88
Benzo(b)fluoranthene
Concen: 38.891 ng
RT: 23.992 min Scan# 3554
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:252 Resp: 4988392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.2 | 25.8 |
| 125 | 11.0 | 8.2 | 12.4 |



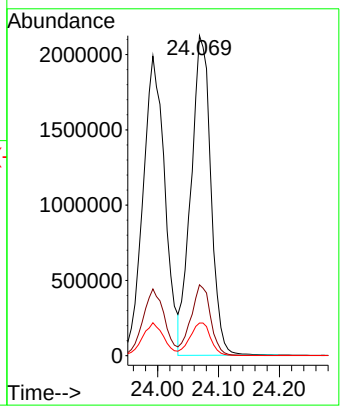


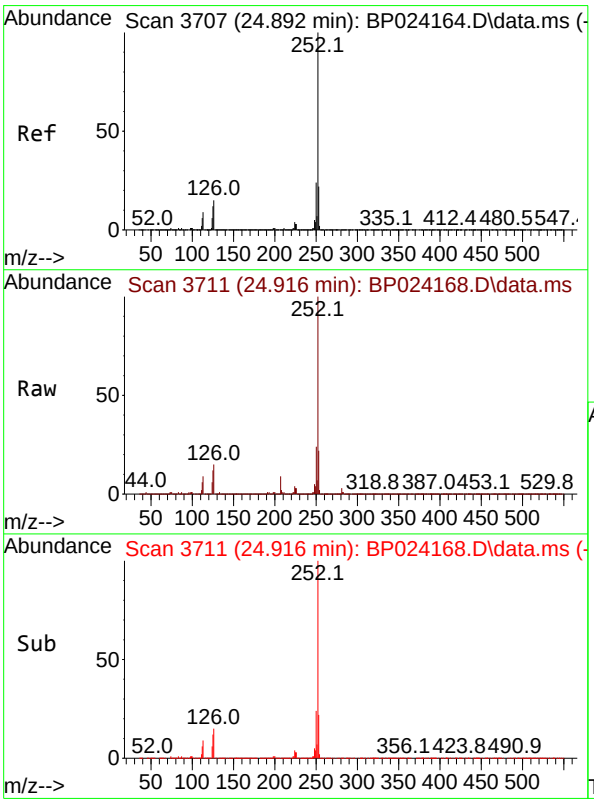

#89
Benzo(k)fluoranthene
Concen: 38.280 ng
RT: 24.069 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:252 Resp: 4803010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.7 | 26.5 |
| 125 | 10.2 | 9.1 | 13.7 |

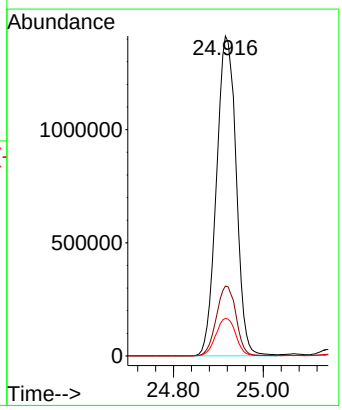


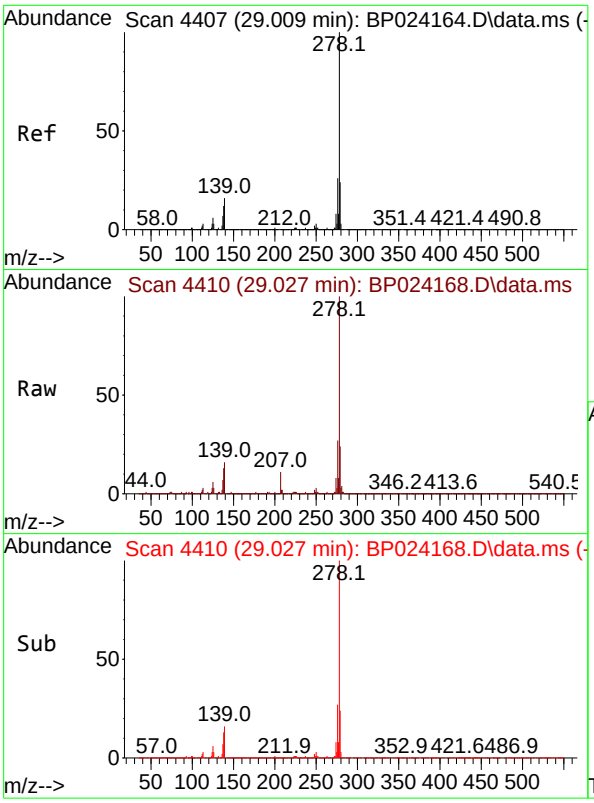




#90
Benzo(a)pyrene
Concen: 38.607 ng
RT: 24.916 min Scan# 3711
Delta R.T. 0.024 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:252 Resp: 4306060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.4 | 26.0 |
| 125 | 11.8 | 9.6 | 14.4 |



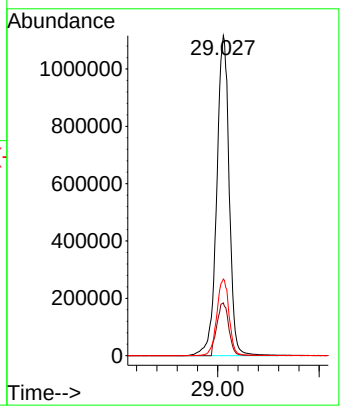


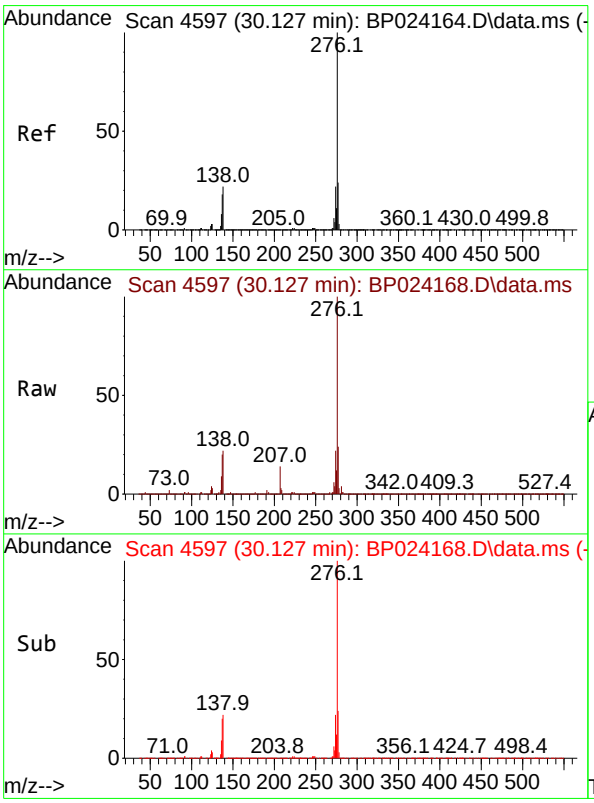

#91
Dibenzo(a,h)anthracene
Concen: 38.474 ng
RT: 29.027 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:278 Resp: 4752357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.5 | 13.0 | 19.4 |
| 279 | 24.0 | 18.8 | 28.2 |

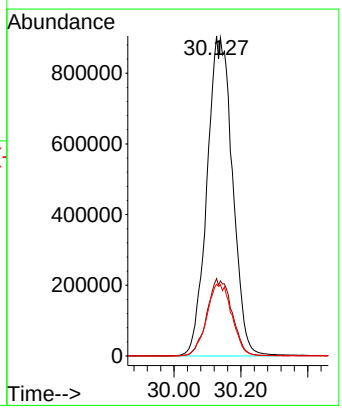



#92
Benzo(g,h,i)perylene
Concen: 38.087 ng m
RT: 30.127 min Scan# 4597
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:276 Resp: 4782473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.1 | 19.2 | 28.8 |
| 138 | 22.4 | 17.4 | 26.2 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024168.D
Acq On : 12 Mar 2025 21:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Quant Time: Mar 13 04:44:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:38:17 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 2 | | 1,4-Dioxane | 0.497 | 0.470 | 5.4 | 105 | 0.00 |
| 3 | | Pyridine | 1.358 | 1.314 | 3.2 | 105 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.454 | 0.438 | 3.5 | 106 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.253 | 1.225 | 2.2 | 106 | 0.00 |
| 6 | | Aniline | 1.527 | 1.504 | 1.5 | 106 | 0.00 |
| 7 | S | Phenol-d6 | 1.675 | 1.648 | 1.6 | 105 | 0.00 |
| 8 | | 2-Chlorophenol | 1.353 | 1.325 | 2.1 | 106 | 0.00 |
| 9 | | Benzaldehyde | 0.809 | 0.816 | -0.9 | 109 | 0.00 |
| 10 | C | Phenol | 1.691 | 1.644 | 2.8 | 105 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.334 | 1.274 | 4.5 | 104 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.459 | 1.399 | 4.1 | 105 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.490 | 1.414 | 5.1 | 104 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.430 | 1.363 | 4.7 | 105 | 0.00 |
| 15 | | Benzyl Alcohol | 1.061 | 1.061 | 0.0 | 106 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.361 | 1.305 | 4.1 | 105 | 0.00 |
| 17 | | 2-Methylphenol | 1.061 | 1.051 | 0.9 | 106 | 0.00 |
| 18 | | Hexachloroethane | 0.529 | 0.510 | 3.6 | 105 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.972 | 0.965 | 0.7 | 105 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.457 | 1.444 | 0.9 | 105 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 22 | | Acetophenone | 0.506 | 0.488 | 3.6 | 104 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.354 | 0.349 | 1.4 | 105 | 0.00 |
| 24 | | Nitrobenzene | 0.350 | 0.341 | 2.6 | 106 | 0.00 |
| 25 | | Isophorone | 0.608 | 0.603 | 0.8 | 106 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.167 | 0.175 | -4.8 | 109 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.215 | 0.214 | 0.5 | 105 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.427 | 0.413 | 3.3 | 105 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.291 | 0.295 | -1.4 | 105 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.321 | 0.307 | 4.4 | 104 | 0.00 |
| 31 | | Naphthalene | 1.060 | 1.013 | 4.4 | 104 | 0.00 |
| 32 | | Benzoic acid | 0.209 | 0.228 | -9.1 | 111 | 0.00 |
| 33 | | 4-Chloroaniline | 0.379 | 0.375 | 1.1 | 105 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.185 | 0.179 | 3.2 | 106 | 0.00 |
| 35 | | Caprolactam | 0.095 | 0.097 | -2.1 | 106 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.313 | 0.311 | 0.6 | 105 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.716 | 0.694 | 3.1 | 105 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.697 | 0.677 | 2.9 | 107 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.578 | 0.564 | 2.4 | 105 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.208 | 0.214 | -2.9 | 105 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.252 | 0.257 | -2.0 | 106 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.367 | 0.376 | -2.5 | 105 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.403 | 0.413 | -2.5 | 105 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.356 | 1.321 | 2.6 | 104 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.503 | 1.460 | 2.9 | 104 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.130 | 1.102 | 2.5 | 105 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024168.D
Acq On : 12 Mar 2025 21:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Quant Time: Mar 13 04:44:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:38:17 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 | 0.289 | 0.297 | -2.8 | 106 | 0.00 |
| 49 | | Acenaphthylene | 1.710 | 1.679 | 1.8 | 105 | 0.00 |
| 50 | | Dimethylphthalate | 1.399 | 1.349 | 3.6 | 103 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.294 | 0.292 | 0.7 | 103 | 0.00 |
| 52 | C | Acenaphthene | 1.093 | 1.062 | 2.8 | 104 | 0.00 |
| 53 | | 3-Nitroaniline | 0.318 | 0.324 | -1.9 | 104 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.156 | 0.167 | -7.1 | 108 | 0.00 |
| 55 | | Dibenzofuran | 1.770 | 1.693 | 4.4 | 103 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.266 | 0.281 | -5.6 | 105 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.389 | 0.400 | -2.8 | 105 | 0.00 |
| 58 | | Fluorene | 1.379 | 1.347 | 2.3 | 104 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.356 | 0.355 | 0.3 | 103 | 0.00 |
| 60 | | Diethylphthalate | 1.394 | 1.343 | 3.7 | 103 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.676 | 0.652 | 3.6 | 103 | 0.00 |
| 62 | | 4-Nitroaniline | 0.334 | 0.344 | -3.0 | 104 | 0.00 |
| 63 | | Azobenzene | 1.314 | 1.292 | 1.7 | 104 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 105 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.119 | 0.120 | -0.8 | 105 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.607 | 0.596 | 1.8 | 105 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.220 | 0.213 | 3.2 | 104 | 0.00 |
| 68 | | Hexachlorobenzene | 0.260 | 0.254 | 2.3 | 105 | 0.00 |
| 69 | | Atrazine | 0.147 | 0.133 | 9.5 | 103 | 0.00 |
| 70 | C | Pentachlorophenol | 0.168 | 0.173 | -3.0 | 103 | 0.00 |
| 71 | | Phenanthrene | 1.093 | 1.048 | 4.1 | 102 | 0.00 |
| 72 | | Anthracene | 1.064 | 1.047 | 1.6 | 104 | 0.01 |
| 73 | | Carbazole | 1.026 | 1.018 | 0.8 | 103 | 0.01 |
| 74 | | Di-n-butylphthalate | 1.218 | 1.245 | -2.2 | 104 | 0.01 |
| 75 | C | Fluoranthene | 1.265 | 1.234 | 2.5 | 103 | 0.02 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 101 | 0.01 |
| 77 | | Benzidine | 0.219 | 0.217 | 0.9 | 85 | 0.01 |
| 78 | | Pyrene | 1.243 | 1.230 | 1.0 | 103 | 0.01 |
| 79 | S | Terphenyl-d14 | 0.969 | 0.951 | 1.9 | 102 | 0.01 |
| 80 | | Butylbenzylphthalate | 0.513 | 0.523 | -1.9 | 101 | 0.02 |
| 81 | | Benzo(a)anthracene | 1.243 | 1.222 | 1.7 | 102 | 0.02 |
| 82 | | 3,3'-Dichlorobenzidine | 0.417 | 0.435 | -4.3 | 103 | 0.02 |
| 83 | | Chrysene | 1.195 | 1.154 | 3.4 | 101 | 0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.774 | 0.804 | -3.9 | 103 | 0.02 |
| 85 | c | Di-n-octyl phthalate | 1.240 | 1.316 | -6.1 | 105 | 0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 104 | 0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.396 | 1.340 | 4.0 | 102 | 0.03 |
| 88 | | Benzo(b)fluoranthene | 1.206 | 1.172 | 2.8 | 103 | 0.01 |
| 89 | | Benzo(k)fluoranthene | 1.180 | 1.129 | 4.3 | 104 | 0.02 |
| 90 | C | Benzo(a)pyrene | 1.049 | 1.012 | 3.5 | 102 | 0.02 |
| 91 | | Dibenzo(a,h)anthracene | 1.161 | 1.117 | 3.8 | 102 | 0.02 |
| 92 | | Benzo(g,h,i)perylene | 1.180 | 1.124 | 4.7 | 101 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024168.D
Acq On : 12 Mar 2025 21:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Quant Time: Mar 13 04:44:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:38:17 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\BP031225\
Data File : BP024168.D
Acq On : 12 Mar 2025 21:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Quant Time: Mar 13 04:44:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:38:17 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 37.880 | 5.3 | 105 | 0.00 |
| 3 | | Pyridine | 40.000 | 38.718 | 3.2 | 105 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.646 | 3.4 | 106 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 78.230 | 2.2 | 106 | 0.00 |
| 6 | | Aniline | 40.000 | 39.413 | 1.5 | 106 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 78.704 | 1.6 | 105 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.149 | 2.1 | 106 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 40.389 | -1.0 | 109 | 0.00 |
| 10 | C | Phenol | 40.000 | 38.869 | 2.8 | 105 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.203 | 4.5 | 104 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.353 | 4.1 | 105 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 37.960 | 5.1 | 104 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.116 | 4.7 | 105 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.999 | 0.0 | 106 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.356 | 4.1 | 105 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.636 | 0.9 | 106 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.587 | 3.5 | 105 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.697 | 0.8 | 105 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.629 | 0.9 | 105 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 106 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.611 | 3.5 | 104 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 78.652 | 1.7 | 105 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 39.045 | 2.4 | 106 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.677 | 0.8 | 106 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.892 | -4.7 | 109 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.779 | 0.6 | 105 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.608 | 3.5 | 105 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.558 | -1.4 | 105 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.264 | 4.3 | 104 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.223 | 4.4 | 104 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 43.618 | -9.0 | 111 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 39.499 | 1.3 | 105 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.854 | 2.9 | 106 | 0.00 |
| 35 | | Caprolactam | 40.000 | 40.859 | -2.1 | 106 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.702 | 0.7 | 105 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.762 | 3.1 | 105 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 38.874 | 2.8 | 107 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.988 | 2.5 | 105 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 41.026 | -2.6 | 105 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 81.766 | -2.2 | 106 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 40.950 | -2.4 | 105 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 40.985 | -2.5 | 105 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 77.885 | 2.6 | 104 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 38.846 | 2.9 | 104 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.006 | 2.5 | 105 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024168.D
Acq On : 12 Mar 2025 21:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Quant Time: Mar 13 04:44:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:38:17 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 | 41.137 | -2.8 | 106 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.262 | 1.8 | 105 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 38.548 | 3.6 | 103 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 39.611 | 1.0 | 103 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 38.881 | 2.8 | 104 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 40.719 | -1.8 | 104 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 42.791 | -7.0 | 108 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 38.264 | 4.3 | 103 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 42.293 | -5.7 | 105 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 41.106 | -2.8 | 105 | 0.00 |
| 58 | | Fluorene | 40.000 | 39.061 | 2.3 | 104 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.844 | 0.4 | 103 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 38.539 | 3.7 | 103 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 38.572 | 3.6 | 103 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 41.253 | -3.1 | 104 | 0.00 |
| 63 | | Azobenzene | 40.000 | 39.347 | 1.6 | 104 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 105 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 40.442 | -1.1 | 105 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.234 | 1.9 | 105 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 38.892 | 2.8 | 104 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 39.073 | 2.3 | 105 | 0.00 |
| 69 | | Atrazine | 40.000 | 36.287 | 9.3 | 103 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 41.161 | -2.9 | 103 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 38.379 | 4.1 | 102 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.358 | 1.6 | 104 | 0.01 |
| 73 | | Carbazole | 40.000 | 39.665 | 0.8 | 103 | 0.01 |
| 74 | | Di-n-butylphthalate | 40.000 | 40.866 | -2.2 | 104 | 0.01 |
| 75 | C | Fluoranthene | 40.000 | 39.006 | 2.5 | 103 | 0.02 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 101 | 0.01 |
| 77 | | Benzidine | 40.000 | 39.777 | 0.6 | 85 | 0.01 |
| 78 | | Pyrene | 40.000 | 39.565 | 1.1 | 103 | 0.01 |
| 79 | S | Terphenyl-d14 | 80.000 | 78.549 | 1.8 | 102 | 0.01 |
| 80 | | Butylbenzylphthalate | 40.000 | 40.824 | -2.1 | 101 | 0.02 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.318 | 1.7 | 102 | 0.02 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 41.750 | -4.4 | 103 | 0.02 |
| 83 | | Chrysene | 40.000 | 38.624 | 3.4 | 101 | 0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 41.569 | -3.9 | 103 | 0.02 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 42.452 | -6.1 | 105 | 0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 104 | 0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.387 | 4.0 | 102 | 0.03 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 38.891 | 2.8 | 103 | 0.01 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 38.280 | 4.3 | 104 | 0.02 |
| 90 | C | Benzo(a)pyrene | 40.000 | 38.607 | 3.5 | 102 | 0.02 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 38.474 | 3.8 | 102 | 0.02 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 38.087 | 4.8 | 101 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024168.D
Acq On : 12 Mar 2025 21:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Quant Time: Mar 13 04:44:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:38:17 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: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG No.: Q1730

Instrument ID: BNA_P Calibration Date/Time: 04/08/2025 13:43

Lab File ID: BP024211.D Init. Calib. Date(s): 03/12/2025 03/12/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:17 21:02

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Fluorophenol | 1.253 | 1.293 | | 3.2 | |
| Phenol-d6 | 1.675 | 1.657 | | -1.1 | |
| Nitrobenzene-d5 | 0.354 | 0.367 | | 3.7 | |
| Naphthalene | 1.060 | 1.066 | | 0.6 | |
| 2-Methylnaphthalene | 0.716 | 0.703 | | -1.8 | |
| 2-Fluorobiphenyl | 1.356 | 1.391 | | 2.6 | |
| Acenaphthylene | 1.710 | 1.779 | | 4.0 | |
| Acenaphthene | 1.093 | 1.197 | | 9.5 | 20.0 |
| Fluorene | 1.379 | 1.354 | | -1.8 | |
| 2,4,6-Tribromophenol | 0.252 | 0.242 | | -4.0 | |
| Phenanthrene | 1.093 | 1.105 | | 1.1 | |
| Anthracene | 1.064 | 1.091 | | 2.5 | |
| Fluoranthene | 1.265 | 1.170 | | -7.5 | 20.0 |
| Pyrene | 1.243 | 1.380 | | 11.0 | |
| Terphenyl-d14 | 0.969 | 1.063 | | 9.7 | |
| Benzo(a)anthracene | 1.243 | 1.298 | | 4.4 | |
| Chrysene | 1.195 | 1.230 | | 2.9 | |
| Benzo(b)fluoranthene | 1.206 | 1.225 | | 1.6 | |
| Benzo(k)fluoranthene | 1.180 | 1.221 | | 3.5 | |
| Benzo(a)pyrene | 1.049 | 1.078 | | 2.8 | 20.0 |
| Indeno(1,2,3-cd)pyrene | 1.396 | 1.547 | | 10.8 | |
| Dibenzo(a,h)anthracene | 1.161 | 1.290 | | 11.1 | |
| Benzo(g,h,i)perylene | 1.180 | 1.329 | | 12.6 | |

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024211.D
Acq On : 08 Apr 2025 13:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 08 14:08:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.734 | 152 | 417672 | 20.000 | ng | -0.03 |
| 21) Naphthalene-d8 | 10.516 | 136 | 1599401 | 20.000 | ng | -0.04 |
| 39) Acenaphthene-d10 | 14.387 | 164 | 884782 | 20.000 | ng | -0.02 |
| 64) Phenanthrene-d10 | 17.204 | 188 | 1496179 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.651 | 240 | 1314875 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 25.045 | 264 | 1482251 | 20.000 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.352 | 112 | 2160051 | 82.554 | ng | -0.03 |
| 7) Phenol-d6 | 6.922 | 99 | 2767509 | 79.095 | ng | -0.03 |
| 23) Nitrobenzene-d5 | 8.887 | 82 | 2351089 | 82.938 | ng | -0.04 |
| 42) 2,4,6-Tribromophenol | 15.910 | 330 | 855806 | 76.789 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 12.993 | 172 | 4921252 | 82.015 | ng | -0.02 |
| 79) Terphenyl-d14 | 19.933 | 244 | 5589029 | 87.742 | ng | 0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.299 | 88 | 446474 | 43.047 | ng | 98 |
| 3) Pyridine | 3.693 | 79 | 1138803 | 40.164 | ng | 98 |
| 4) n-Nitrosodimethylamine | 3.599 | 42 | 387336 | 40.895 | ng | 98 |
| 6) Aniline | 7.075 | 93 | 1232979 | 38.677 | ng | 99 |
| 8) 2-Chlorophenol | 7.311 | 128 | 1128182 | 39.918 | ng | 98 |
| 9) Benzaldehyde | 6.893 | 77 | 718139 | 42.530 | ng | 98 |
| 10) Phenol | 6.946 | 94 | 1391750 | 39.401 | ng | 100 |
| 11) bis(2-Chloroethyl)ether | 7.169 | 93 | 1103890 | 39.629 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.628 | 146 | 1222363 | 40.107 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 7.775 | 146 | 1241956 | 39.910 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.087 | 146 | 1172482 | 39.263 | ng | 99 |
| 15) Benzyl Alcohol | 7.975 | 79 | 859059 | 38.780 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.264 | 45 | 1159861 | 40.798 | ng | 97 |
| 17) 2-Methylphenol | 8.181 | 107 | 862191 | 38.925 | ng | 99 |
| 18) Hexachloroethane | 8.811 | 117 | 447680 | 40.550 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 8.540 | 70 | 783983 | 38.622 | ng | 99 |
| 20) 3+4-Methylphenols | 8.505 | 107 | 1173563 | 38.565 | ng | 100 |
| 22) Acetophenone | 8.552 | 105 | 1622693 | 40.130 | ng | 99 |
| 24) Nitrobenzene | 8.928 | 77 | 1155357 | 41.315 | ng | 99 |
| 25) Isophorone | 9.452 | 82 | 1954970 | 40.232 | ng | 99 |
| 26) 2-Nitrophenol | 9.634 | 139 | 552969 | 41.396 | ng | 98 |
| 27) 2,4-Dimethylphenol | 9.699 | 122 | 690386 | 40.194 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 9.928 | 93 | 1382312 | 40.436 | ng | 100 |
| 29) 2,4-Dichlorophenol | 10.169 | 162 | 945582 | 40.695 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.381 | 180 | 1037774 | 40.425 | ng | 100 |
| 31) Naphthalene | 10.569 | 128 | 3408979 | 40.209 | ng | 100 |
| 32) Benzoic acid | 9.846 | 122 | 652890 | 38.975 | ng | 97 |
| 33) 4-Chloroaniline | 10.681 | 127 | 1178228 | 38.833 | ng | 99 |
| 34) Hexachlorobutadiene | 10.852 | 225 | 597628 | 40.450 | ng | 99 |
| 35) Caprolactam | 11.469 | 113 | 276797 | 36.348 | ng | 98 |
| 36) 4-Chloro-3-methylphenol | 11.810 | 107 | 988672 | 39.442 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.187 | 142 | 2247240 | 39.235 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.399 | 142 | 2181412 | 39.157 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.557 | 216 | 1069066 | 41.799 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 12.540 | 237 | 387852 | 42.069 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 12.799 | 196 | 687273 | 42.283 | ng | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024211.D
Acq On : 08 Apr 2025 13:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 08 14:08:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.875 | 196 | 735015 | 41.234 | ng | 98 |
| 46) 1,1'-Biphenyl | 13.204 | 154 | 2760283 | 41.516 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.252 | 162 | 2062992 | 41.252 | ng | 99 |
| 48) 2-Nitroaniline | 13.451 | 65 | 545965 | 42.683 | ng | 95 |
| 49) Acenaphthylene | 14.104 | 152 | 3148144 | 41.603 | ng | 100 |
| 50) Dimethylphthalate | 13.846 | 163 | 2411403 | 38.950 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 13.957 | 165 | 524662 | 40.278 | ng | 100 |
| 52) Acenaphthene | 14.451 | 154 | 2118846m | 43.825 | ng | |
| 53) 3-Nitroaniline | 14.293 | 138 | 549621 | 39.066 | ng | 96 |
| 54) 2,4-Dinitrophenol | 14.504 | 184 | 263202 | 38.187 | ng | 96 |
| 55) Dibenzofuran | 14.793 | 168 | 3145411 | 40.164 | ng | 99 |
| 56) 4-Nitrophenol | 14.616 | 139 | 438355 | 37.289 | ng | 93 |
| 57) 2,4-Dinitrotoluene | 14.757 | 165 | 675950 | 39.285 | ng | 98 |
| 58) Fluorene | 15.457 | 166 | 2395113 | 39.253 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.022 | 232 | 615718 | 39.095 | ng | 99 |
| 60) Diethylphthalate | 15.240 | 149 | 2380475 | 38.612 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.457 | 204 | 1177747 | 39.353 | ng | 99 |
| 62) 4-Nitroaniline | 15.481 | 138 | 550942 | 37.337 | ng | 98 |
| 63) Azobenzene | 15.757 | 77 | 2396479 | 41.241 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.540 | 198 | 355454 | 40.019 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 15.675 | 169 | 1960186 | 43.144 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.369 | 248 | 708196 | 43.113 | ng | 97 |
| 68) Hexachlorobenzene | 16.493 | 284 | 817684 | 42.056 | ng | 100 |
| 69) Atrazine | 16.651 | 200 | 299567 | 27.317 | ng | 99 |
| 70) Pentachlorophenol | 16.845 | 266 | 526505 | 41.875 | ng | 99 |
| 71) Phenanthrene | 17.245 | 178 | 3307863 | 40.470 | ng | 100 |
| 72) Anthracene | 17.334 | 178 | 3265969 | 41.026 | ng | 100 |
| 73) Carbazole | 17.616 | 167 | 3000148 | 39.079 | ng | 100 |
| 74) Di-n-butylphthalate | 18.216 | 149 | 3586861 | 39.357 | ng | 99 |
| 75) Fluoranthene | 19.328 | 202 | 3500245 | 36.976 | ng | 99 |
| 77) Benzidine | 19.534 | 184 | 663514 | 46.154 | ng | 100 |
| 78) Pyrene | 19.704 | 202 | 3629606 | 44.402 | ng | 99 |
| 80) Butylbenzylphthalate | 20.657 | 149 | 1425388 | 42.284 | ng | 100 |
| 81) Benzo(a)anthracene | 21.633 | 228 | 3412419 | 41.743 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.563 | 252 | 1139237 | 41.580 | ng | 100 |
| 83) Chrysene | 21.704 | 228 | 3235178 | 41.167 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.575 | 149 | 2078574 | 40.864 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.869 | 149 | 3199932 | 39.264 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.874 | 276 | 4585755 | 44.328 | ng | 100 |
| 88) Benzo(b)fluoranthene | 23.951 | 252 | 3630246 | 40.620 | ng | 98 |
| 89) Benzo(k)fluoranthene | 24.027 | 252 | 3618543 | 41.392 | ng | 100 |
| 90) Benzo(a)pyrene | 24.869 | 252 | 3196190 | 41.128 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.957 | 278 | 3823023 | 44.420 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 30.080 | 276 | 3939846 | 45.033 | ng | 97 |

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

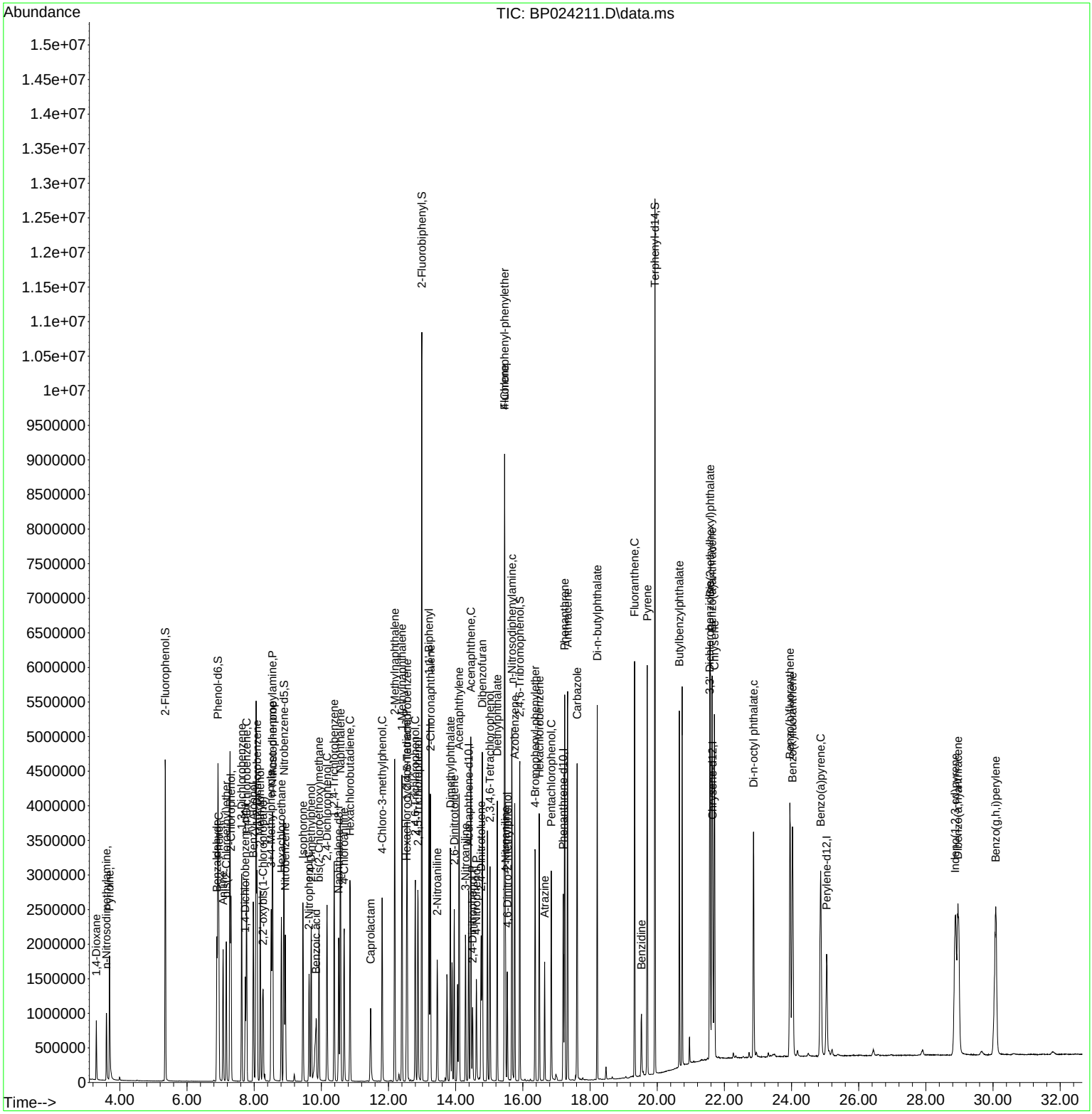
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024211.D
Acq On : 08 Apr 2025 13:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

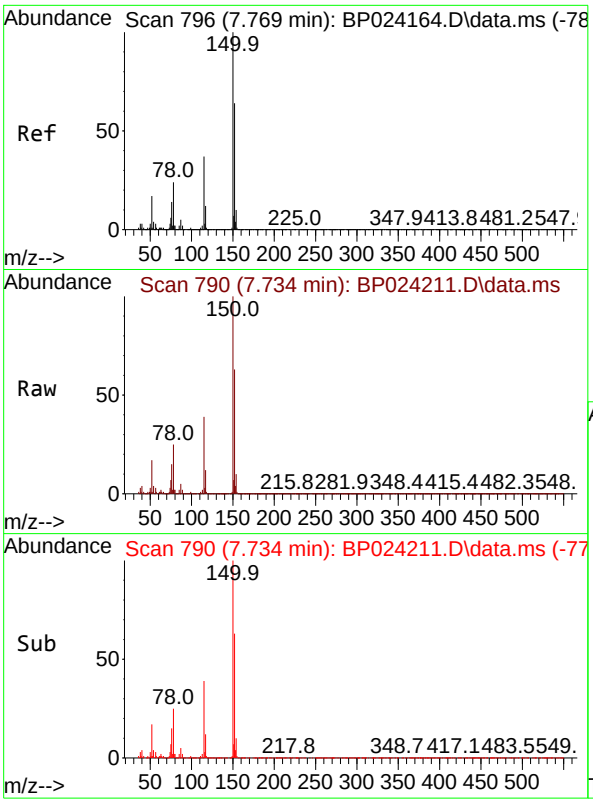
Quant Time: Apr 08 14:08:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

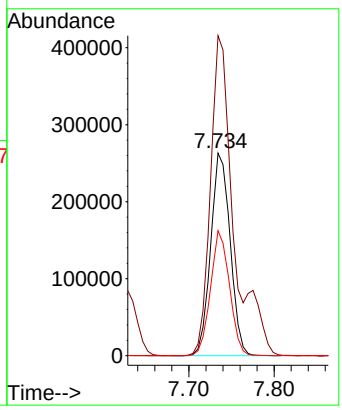





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:152 Resp: 41767

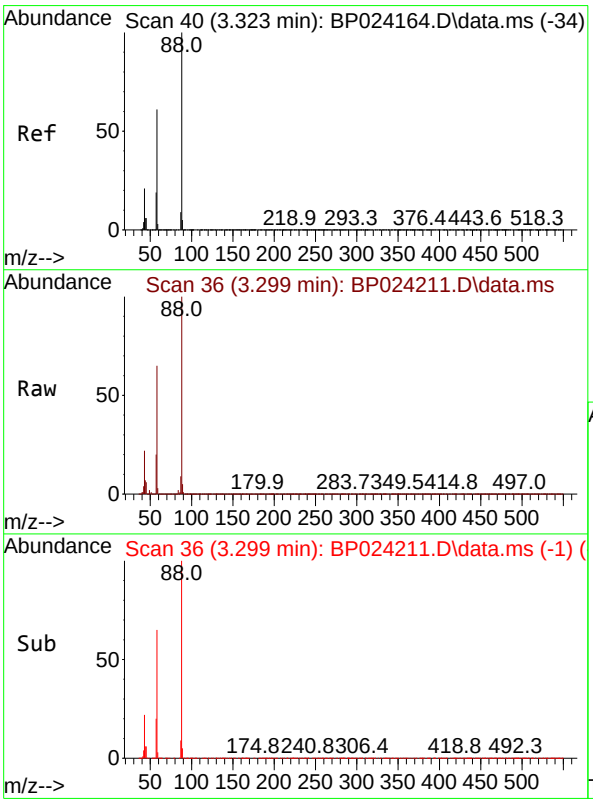
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.0 | 125.5 | 188.3 |
| 115 | 61.7 | 46.3 | 69.5 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**

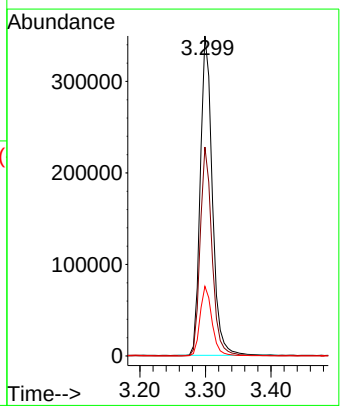
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

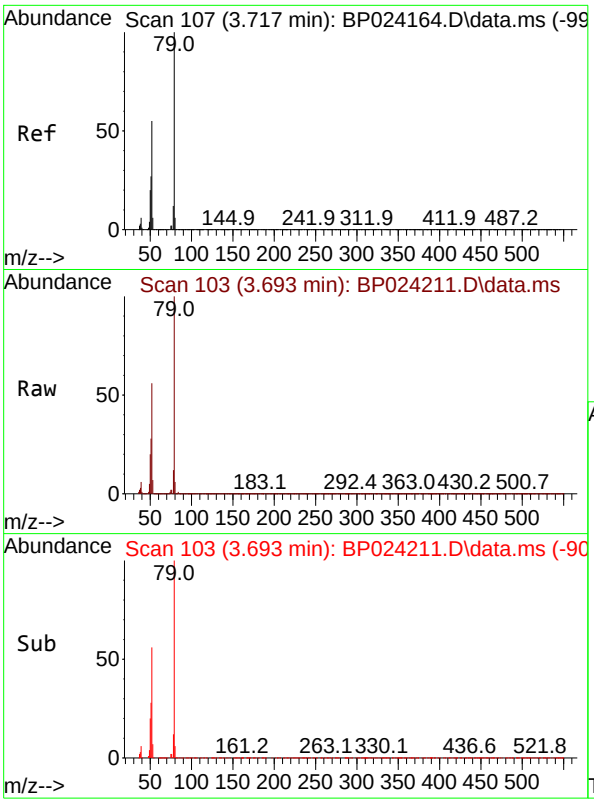



#2
1,4-Dioxane
Concen: 43.047 ng
RT: 3.299 min Scan# 36
Delta R.T. -0.023 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion: 88 Resp: 446474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 64.5 | 49.8 | 74.6 |
| 43 | 21.6 | 17.3 | 25.9 |

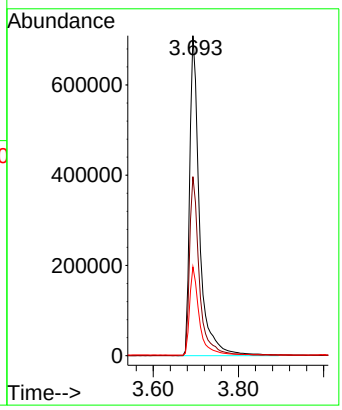





#3
Pyridine
Concen: 40.164 ng
RT: 3.693 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion: 79 Resp: 113880

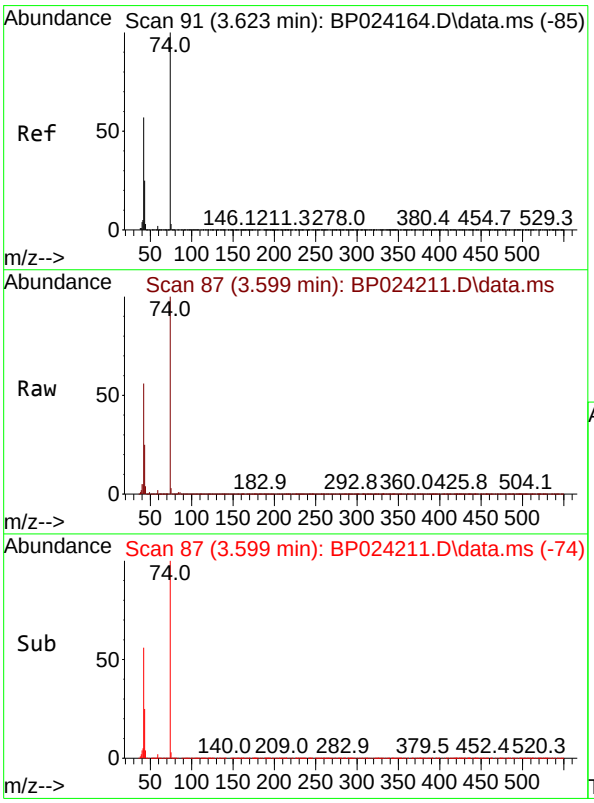
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 56.0 | 43.8 | 65.8 |
| 51 | 27.8 | 21.6 | 32.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

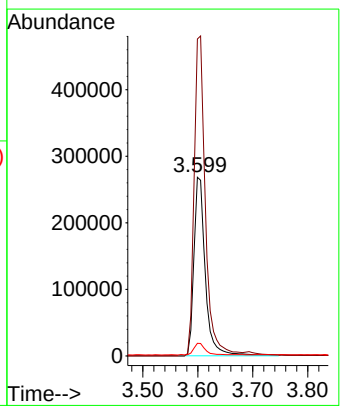
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

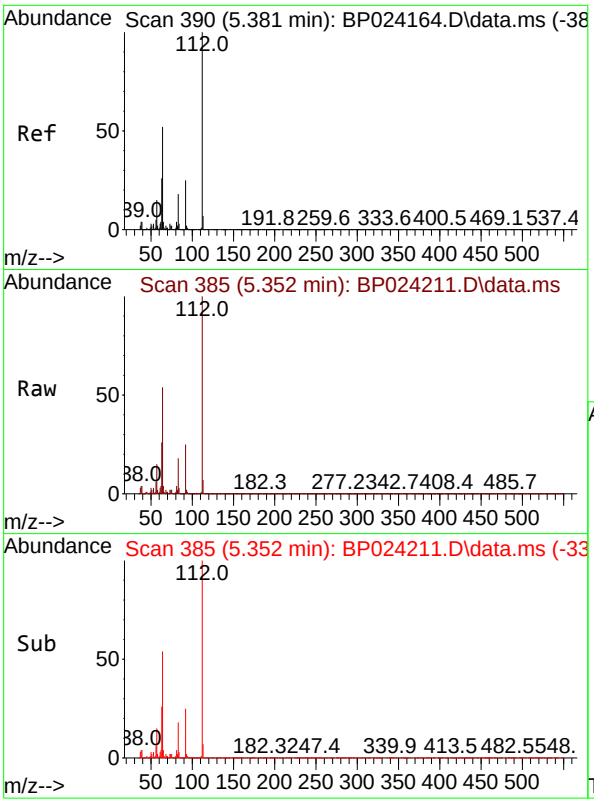



#4
n-Nitrosodimethylamine
Concen: 40.895 ng
RT: 3.599 min Scan# 87
Delta R.T. -0.023 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion: 42 Resp: 387336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 177.3 | 139.8 | 209.6 |
| 44 | 7.1 | 5.3 | 7.9 |






#5
2-Fluorophenol
Concen: 82.554 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.029 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

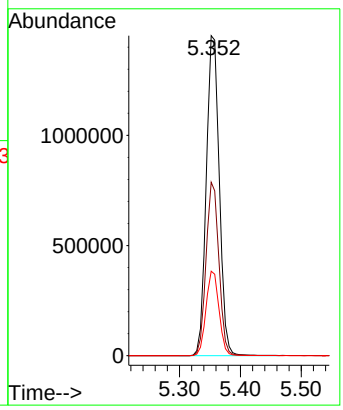
Tgt Ion:112 Resp: 216005

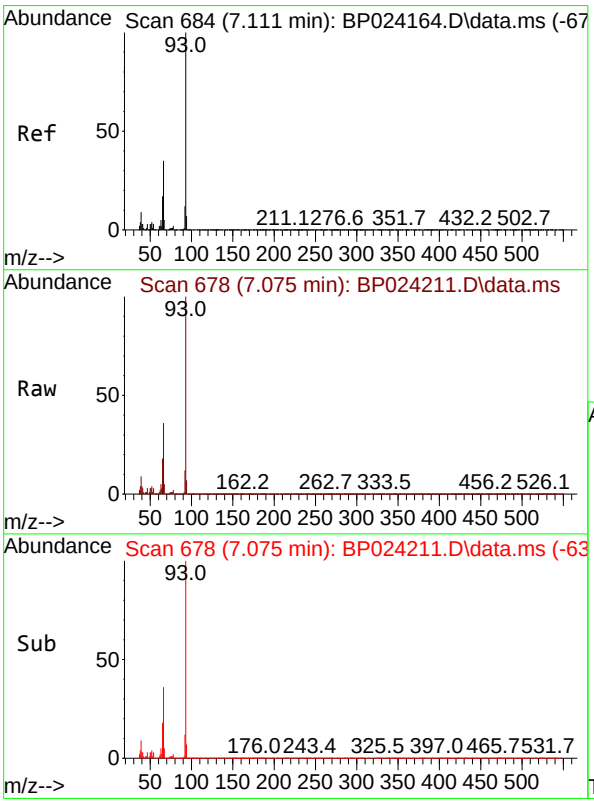
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.2 | 41.3 | 61.9 |
| 63 | 26.4 | 20.6 | 31.0 |

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

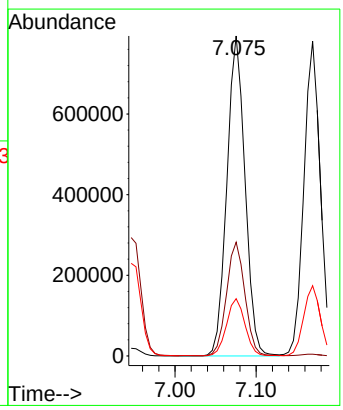


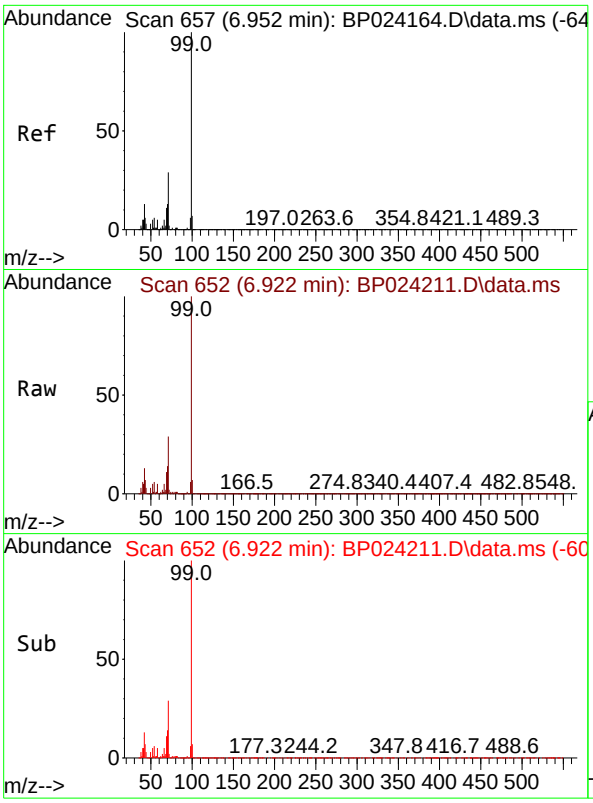




#6
Aniline
Concen: 38.677 ng
RT: 7.075 min Scan# 678
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion: 93 Resp: 1232979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 35.6 | 28.2 | 42.2 |
| 65 | 17.9 | 14.0 | 21.0 |

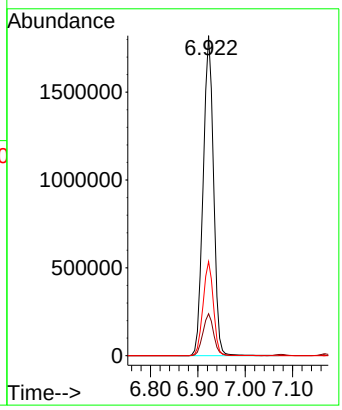





#7
Phenol-d6
Concen: 79.095 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.029 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion: 99 Resp: 276750

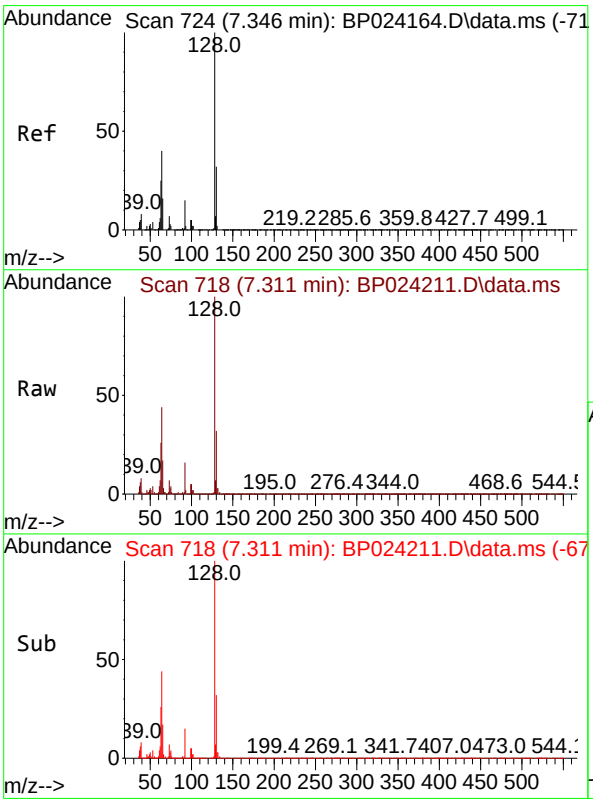
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.1 | 10.6 | 16.0 |
| 71 | 29.4 | 23.3 | 34.9 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

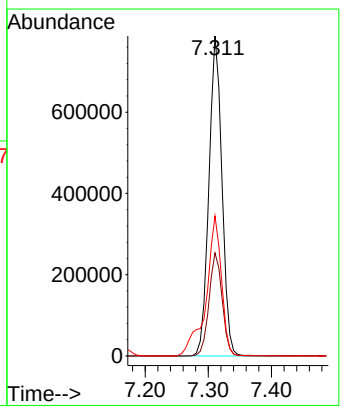
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

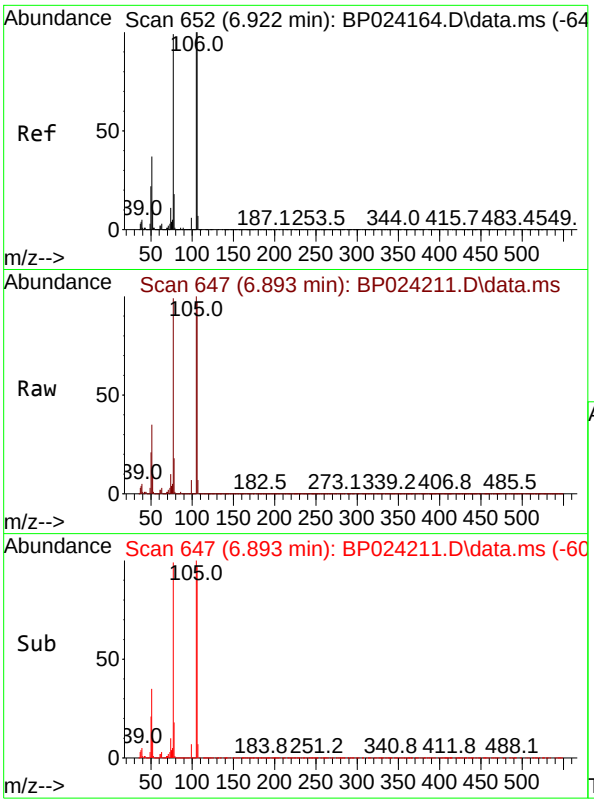



#8
2-Chlorophenol
Concen: 39.918 ng
RT: 7.311 min Scan# 718
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:128 Resp: 1128182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.2 | 12.0 | 52.0 |
| 64 | 43.7 | 21.6 | 61.6 |

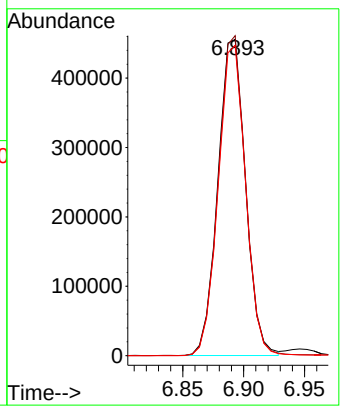





#9
Benzaldehyde
Concen: 42.530 ng
RT: 6.893 min Scan# 64
Delta R.T. -0.029 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion: 77 Resp: 718139

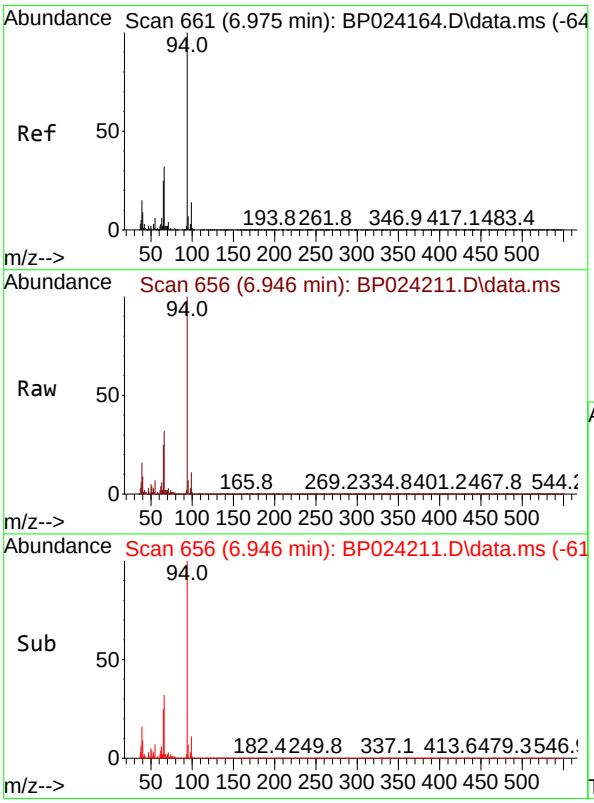
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 101.2 | 81.4 | 121.4 |
| 106 | 98.1 | 81.1 | 121.1 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

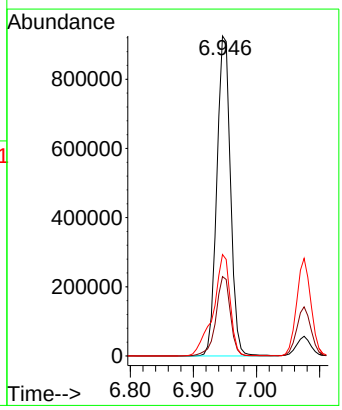
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

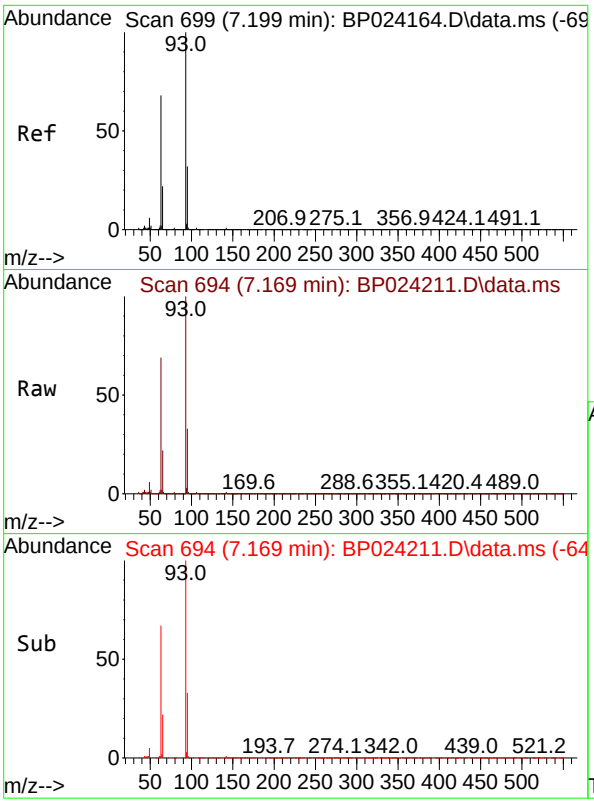



#10
Phenol
Concen: 39.401 ng
RT: 6.946 min Scan# 656
Delta R.T. -0.029 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion: 94 Resp: 1391750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 24.8 | 4.9 | 44.9 |
| 66 | 31.7 | 11.9 | 51.9 |

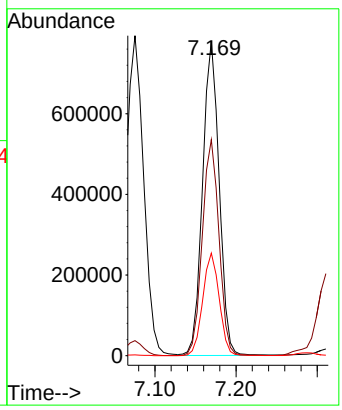





#11
bis(2-Chloroethyl)ether
Concen: 39.629 ng
RT: 7.169 min Scan# 6
Delta R.T. -0.029 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion: 93 Resp: 110389

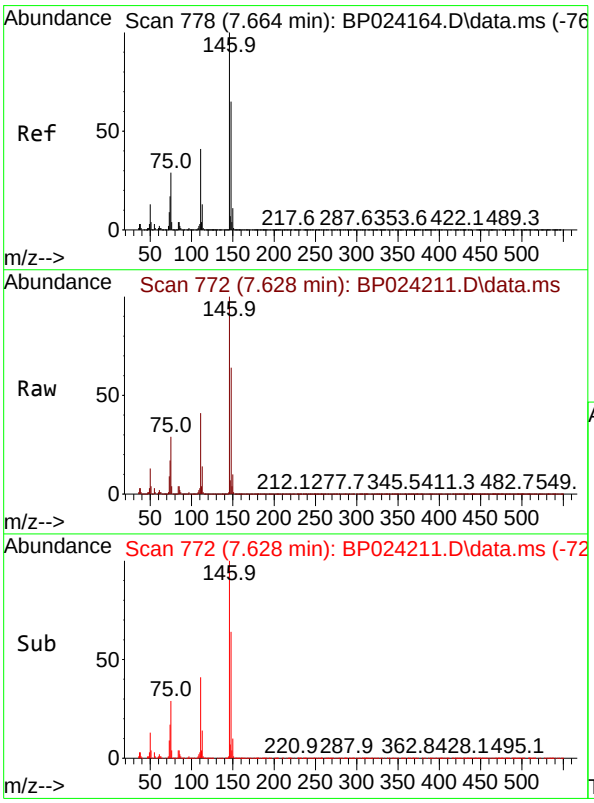
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 68.6 | 47.4 | 87.4 |
| 95 | 32.6 | 12.1 | 52.1 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

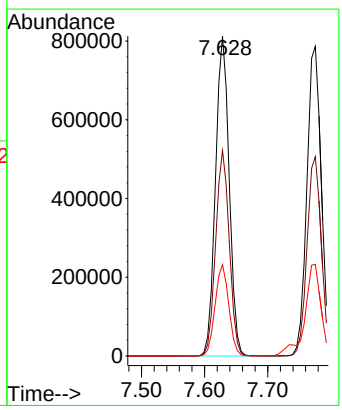
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

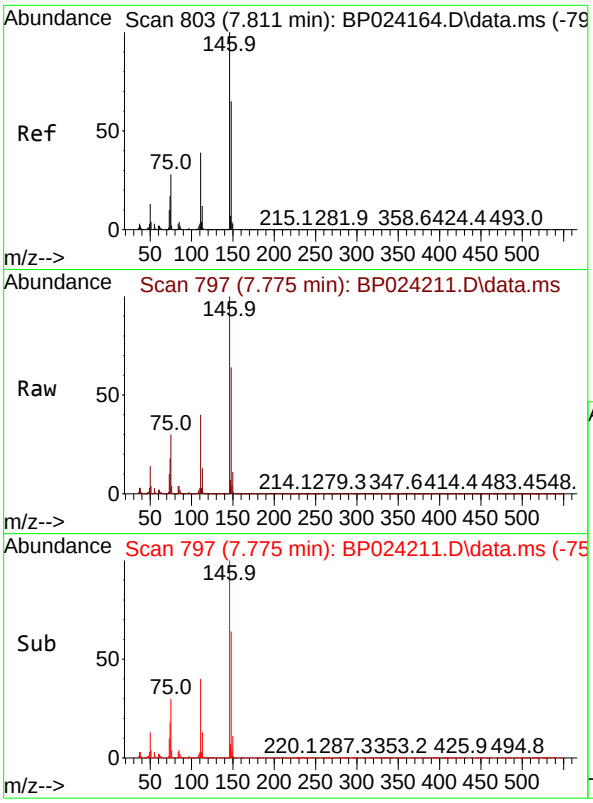



#12
1,3-Dichlorobenzene
Concen: 40.107 ng
RT: 7.628 min Scan# 772
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:146 Resp: 1222363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.6 | 77.4 |
| 75 | 28.5 | 22.8 | 34.2 |

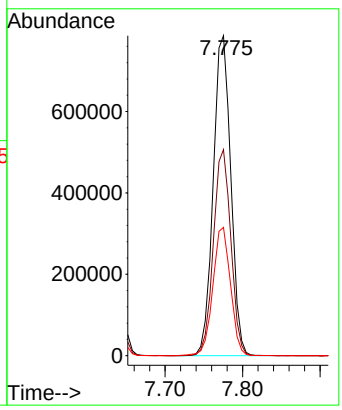





#13
1,4-Dichlorobenzene
Concen: 39.910 ng
RT: 7.775 min Scan# 7
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:146 Resp: 124195

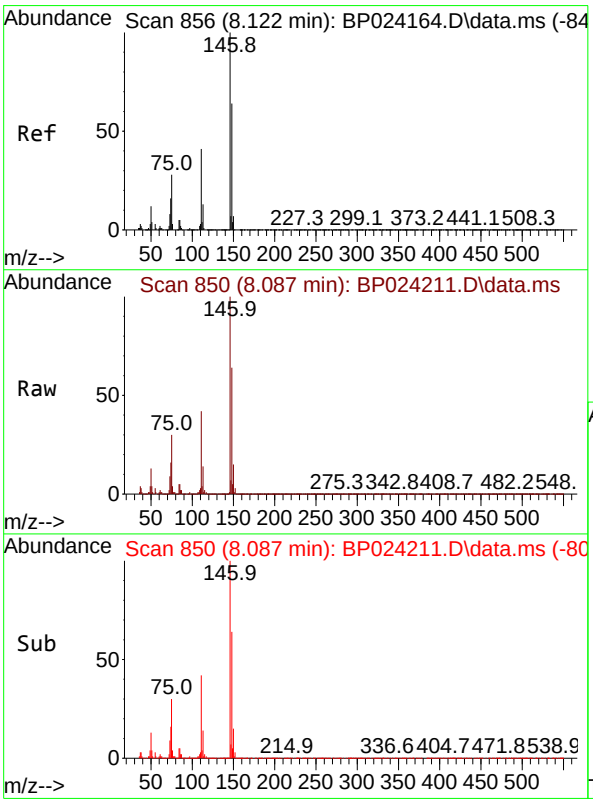
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 51.9 | 77.9 |
| 111 | 40.1 | 31.4 | 47.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

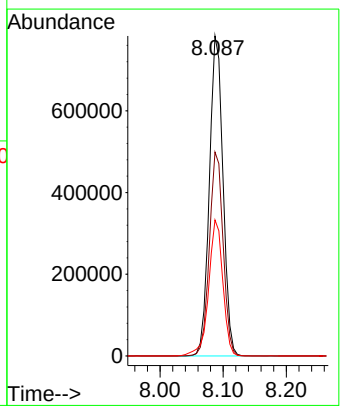
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

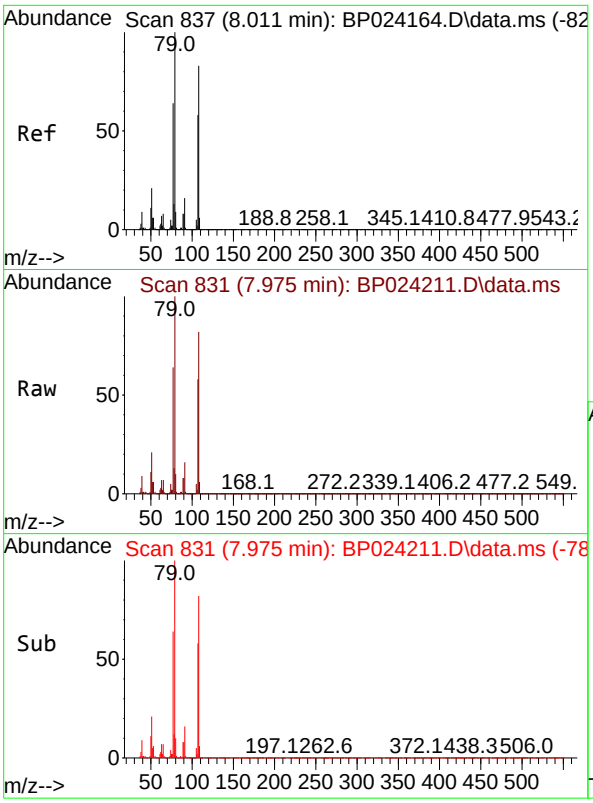



#14
1,2-Dichlorobenzene
Concen: 39.263 ng
RT: 8.087 min Scan# 850
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:146 Resp: 1172482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.7 | 51.4 | 77.2 |
| 111 | 42.5 | 33.2 | 49.8 |






#15
Benzyl Alcohol
Concen: 38.780 ng
RT: 7.975 min Scan# 8
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

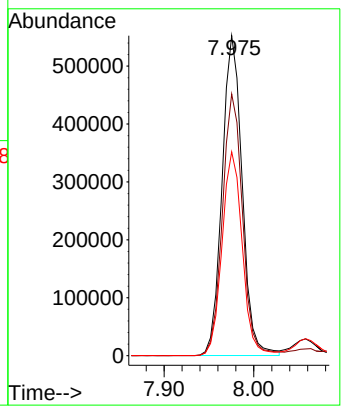
Tgt Ion: 79 Resp: 85905

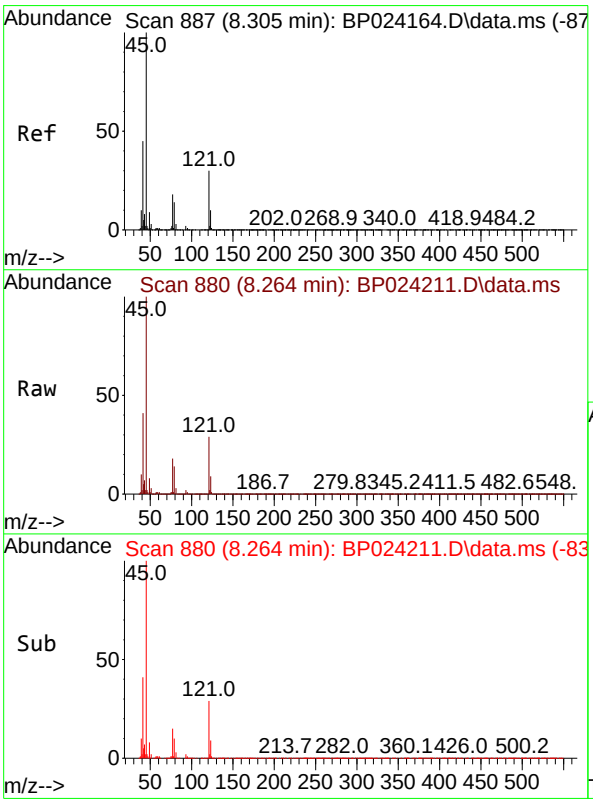
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 81.8 | 66.5 | 99.7 |
| 77 | 63.7 | 50.9 | 76.3 |

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

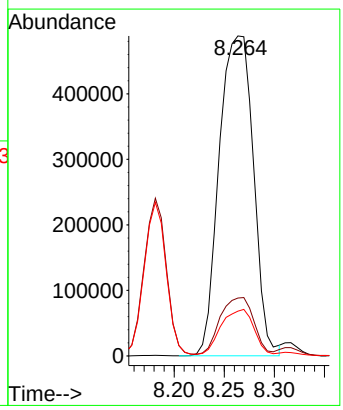


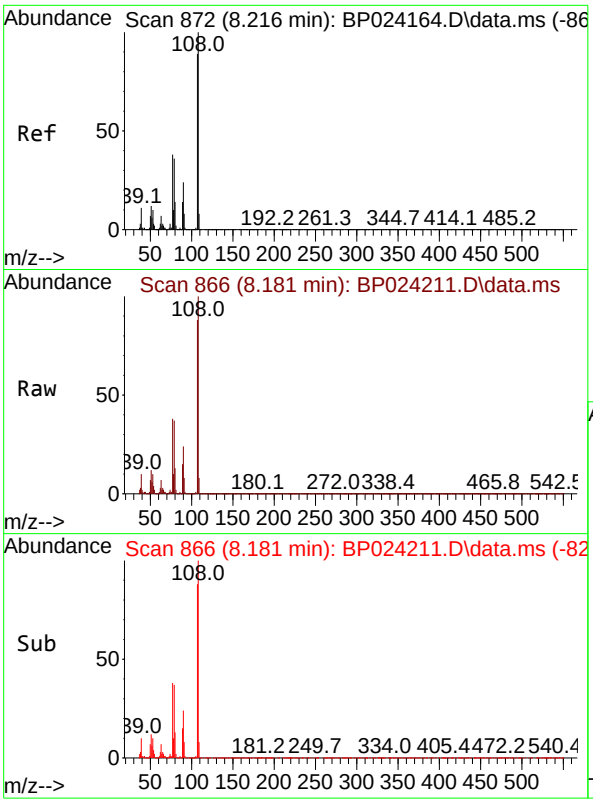




#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.798 ng
RT: 8.264 min Scan# 880
Delta R.T. -0.041 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion: 45 Resp: 1159861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 18.1 | 0.0 | 39.0 |
| 79 | 14.0 | 0.0 | 35.6 |

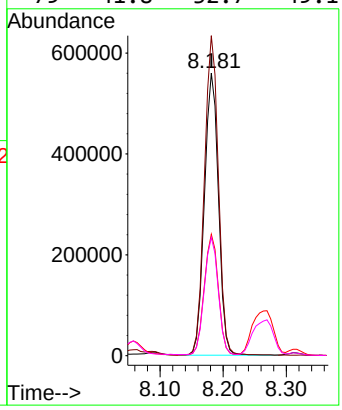





#17
2-Methylphenol
Concen: 38.925 ng
RT: 8.181 min Scan# 8
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:107 Resp: 86219

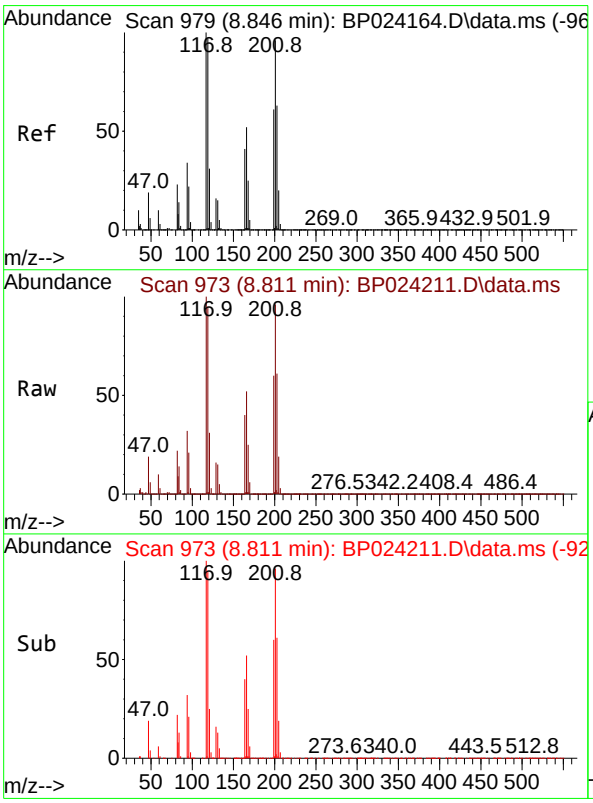
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.2 | 90.0 | 135.0 |
| 77 | 43.0 | 34.0 | 51.0 |
| 79 | 41.8 | 32.7 | 49.1 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

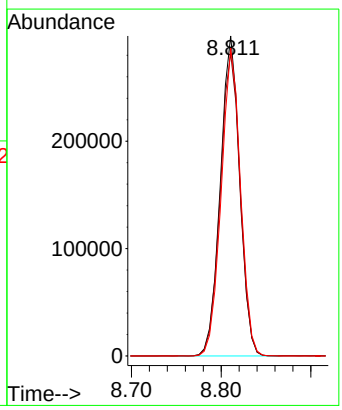
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

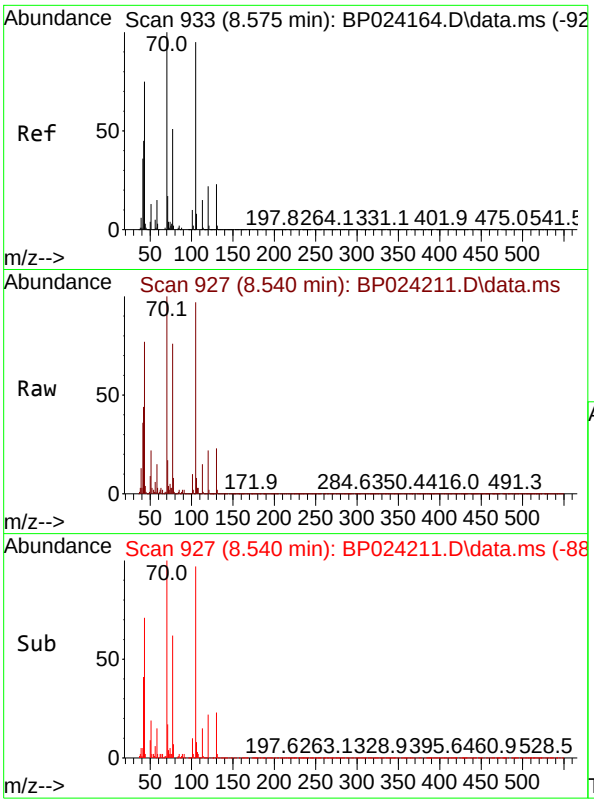



#18
Hexachloroethane
Concen: 40.550 ng
RT: 8.811 min Scan# 973
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:117 Resp: 447680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.6 | 77.4 | 116.0 |
| 201 | 96.2 | 76.6 | 114.8 |

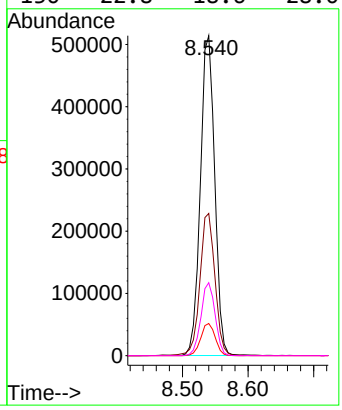





#19
n-Nitroso-di-n-propylamine
Concen: 38.622 ng
RT: 8.540 min Scan# 9
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

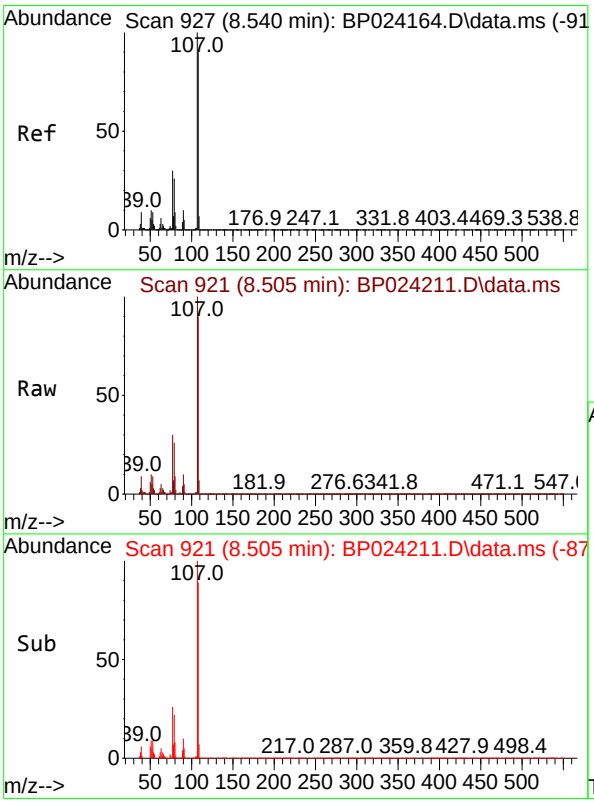
Tgt Ion: 70 Resp: 78398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 44.5 | 36.0 | 54.0 |
| 101 | 10.0 | 8.3 | 12.5 |
| 130 | 22.8 | 18.6 | 28.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

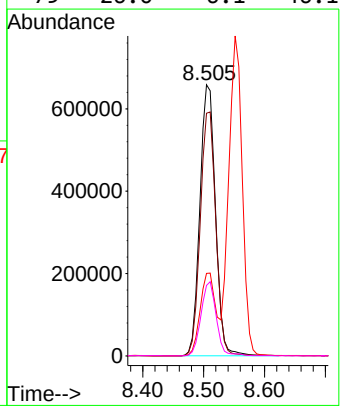
**Manual Integrations APPROVED**
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

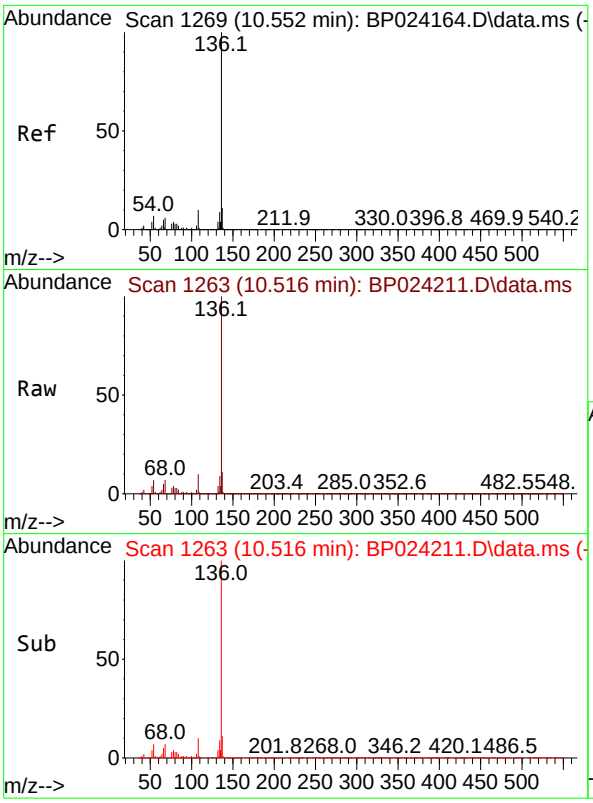



#20
3+4-Methylphenols
Concen: 38.565 ng
RT: 8.505 min Scan# 921
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:107 Resp: 1173563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.5 | 69.7 | 109.7 |
| 77 | 30.5 | 10.3 | 50.3 |
| 79 | 26.0 | 6.1 | 46.1 |

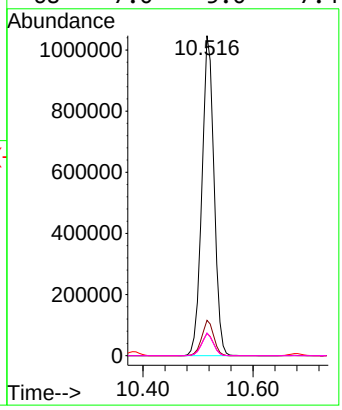





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:136 Resp: 159940

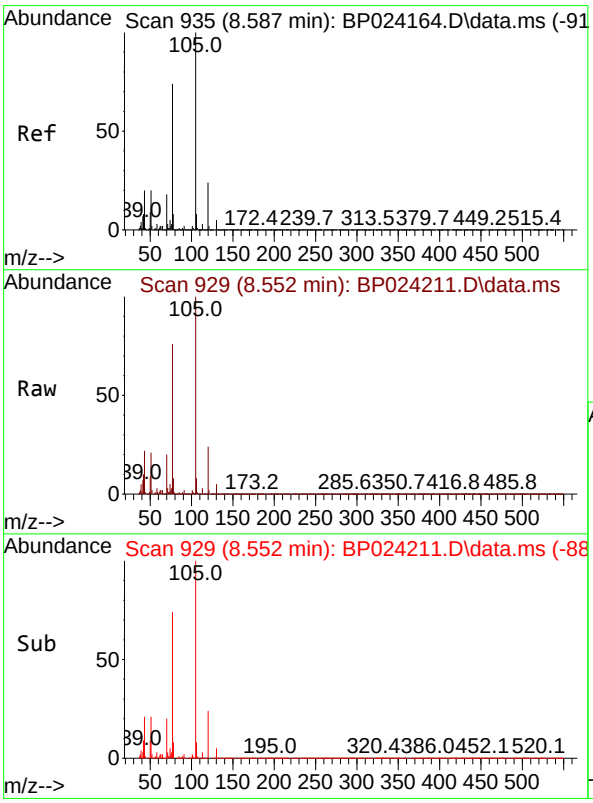
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 9.0 | 13.4 |
| 54 | 7.0 | 5.3 | 7.9 |
| 68 | 7.0 | 5.0 | 7.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**

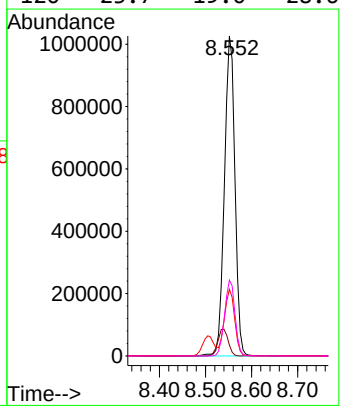
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

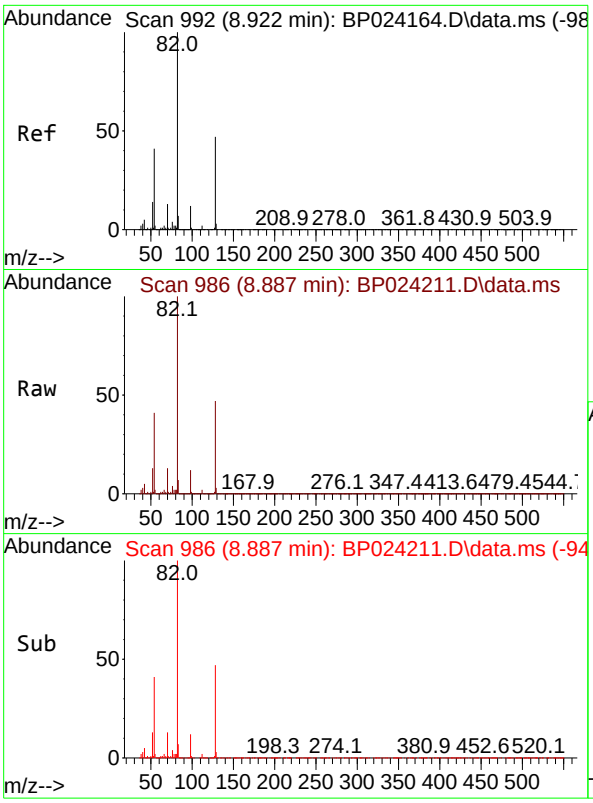



#22
Acetophenone
Concen: 40.130 ng
RT: 8.552 min Scan# 929
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:105 Resp: 1622693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 3.4 | 2.4 | 3.6 |
| 51 | 20.9 | 16.2 | 24.2 |
| 120 | 23.7 | 19.0 | 28.6 |

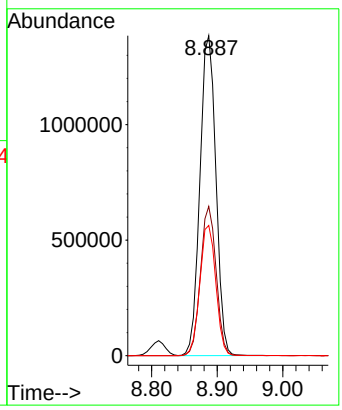





#23
Nitrobenzene-d5
Concen: 82.938 ng
RT: 8.887 min Scan# 9
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion: 82 Resp: 235108

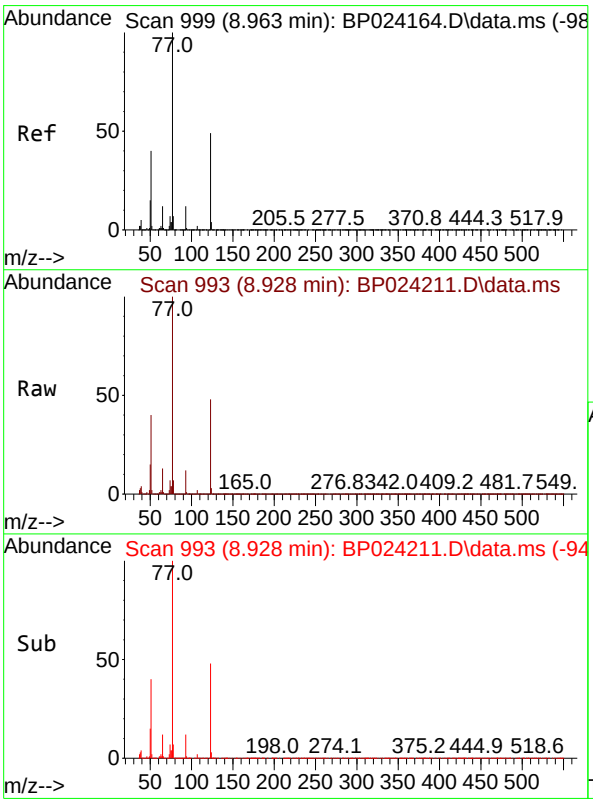
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.6 | 37.4 | 56.0 |
| 54 | 40.7 | 32.5 | 48.7 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

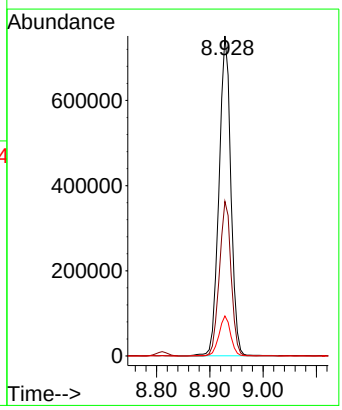
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

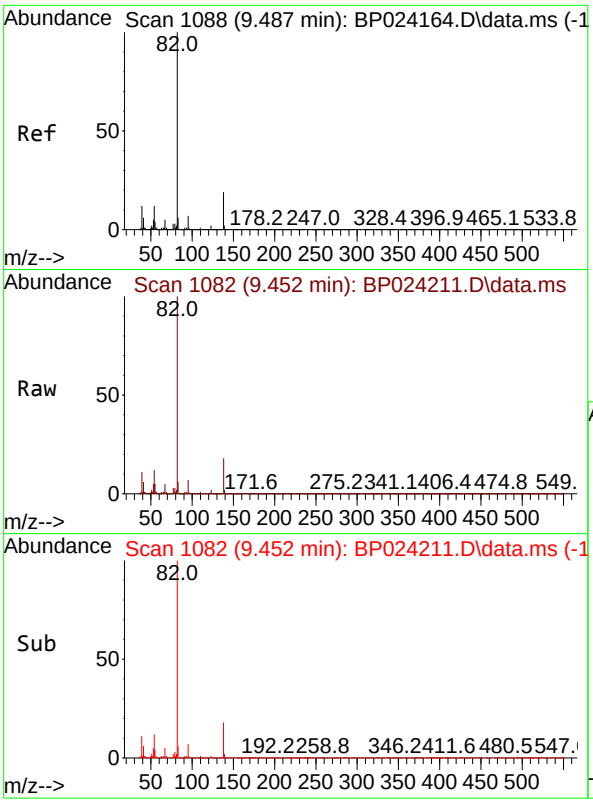



#24
Nitrobenzene
Concen: 41.315 ng
RT: 8.928 min Scan# 993
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion: 77 Resp: 1155357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 48.3 | 39.4 | 59.2 |
| 65 | 12.5 | 9.9 | 14.9 |

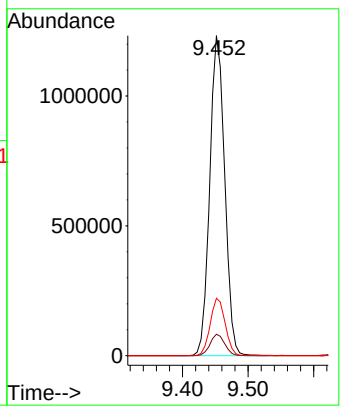





#25
Isophorone
Concen: 40.232 ng
RT: 9.452 min Scan# 1
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion: 82 Resp: 195497

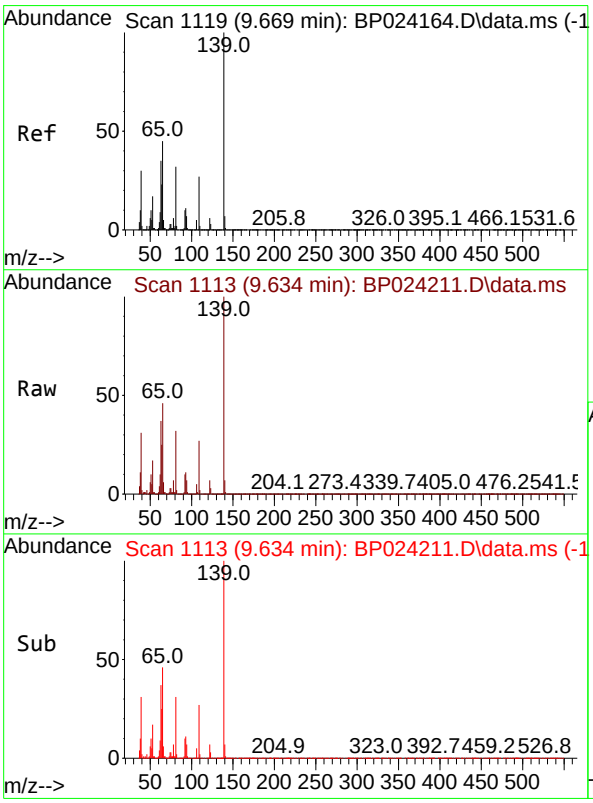
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.7 | 5.3 | 7.9 |
| 138 | 17.9 | 14.8 | 22.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

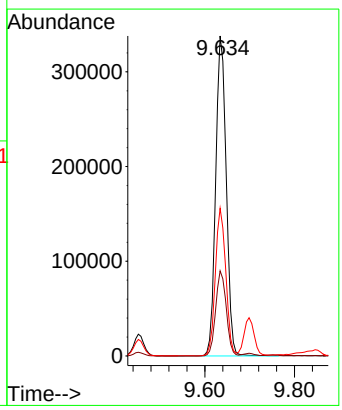
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

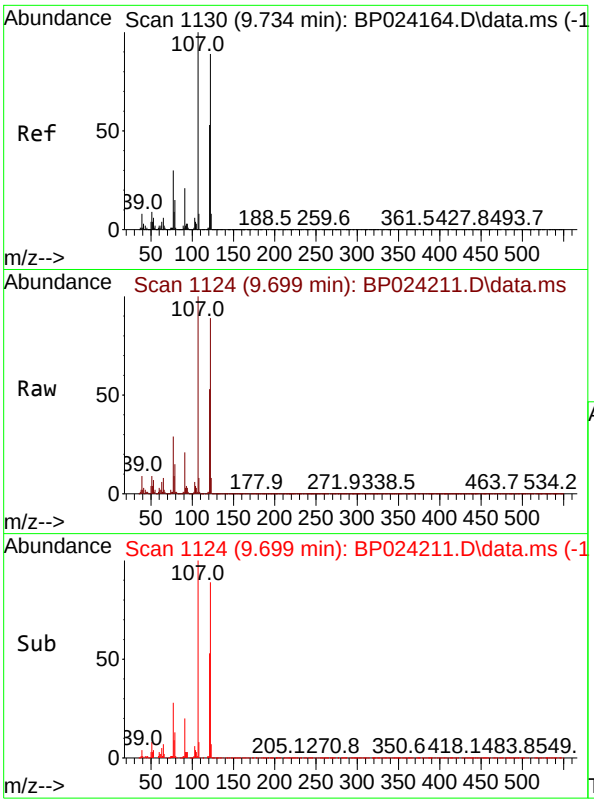



#26
2-Nitrophenol
Concen: 41.396 ng
RT: 9.634 min Scan# 1113
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:139 Resp: 552969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 26.6 | 21.7 | 32.5 |
| 65 | 46.2 | 35.8 | 53.8 |

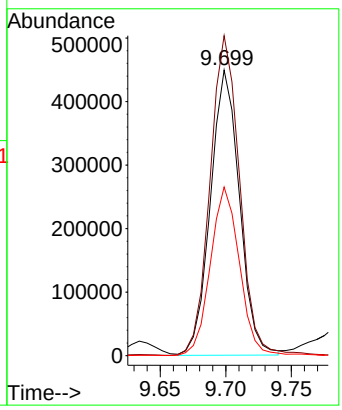





#27
2,4-Dimethylphenol
Concen: 40.194 ng
RT: 9.699 min Scan# 11
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:122 Resp: 69038

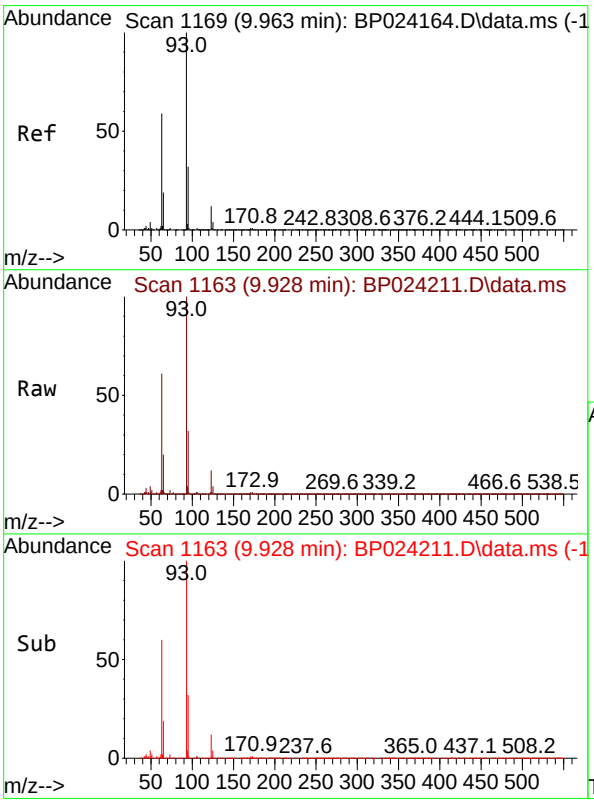
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 112.0 | 89.3 | 133.9 |
| 121 | 59.0 | 47.5 | 71.3 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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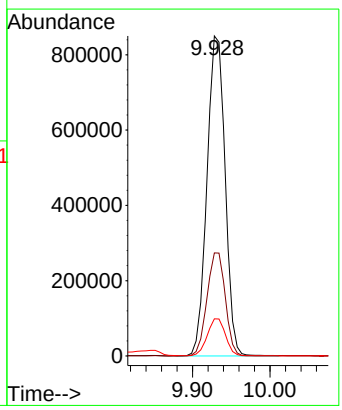
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

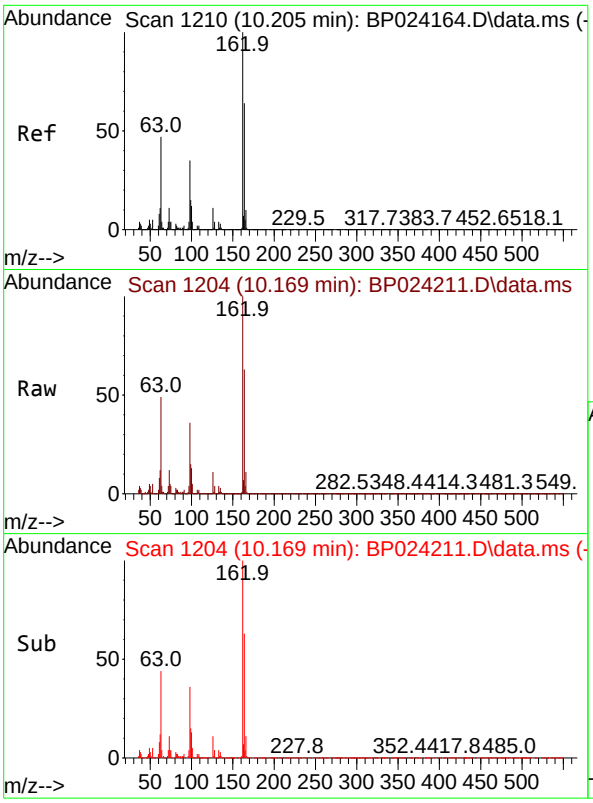



#28
bis(2-Chloroethoxy)methane
Concen: 40.436 ng
RT: 9.928 min Scan# 1163
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion: 93 Resp: 1382312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.2 | 25.9 | 38.9 |
| 123 | 11.6 | 9.5 | 14.3 |

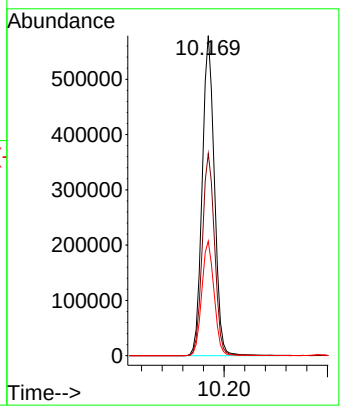





#29
2,4-Dichlorophenol
Concen: 40.695 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:162 Resp: 94558

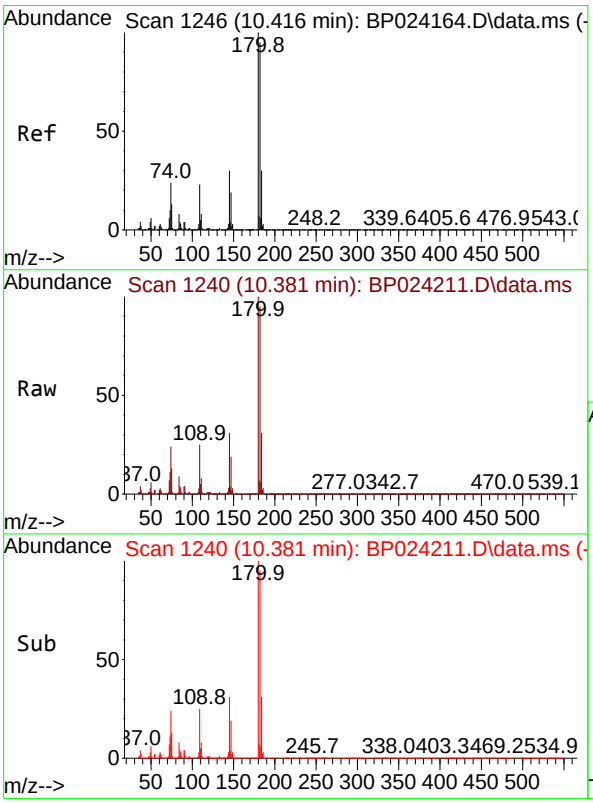
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.2 | 44.2 | 84.2 |
| 98 | 35.8 | 15.1 | 55.1 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

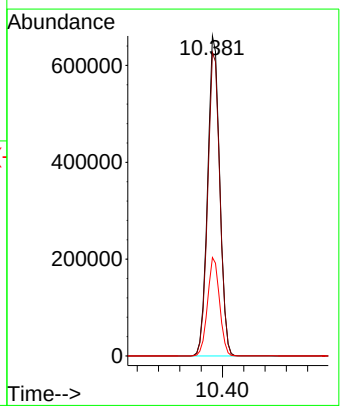
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

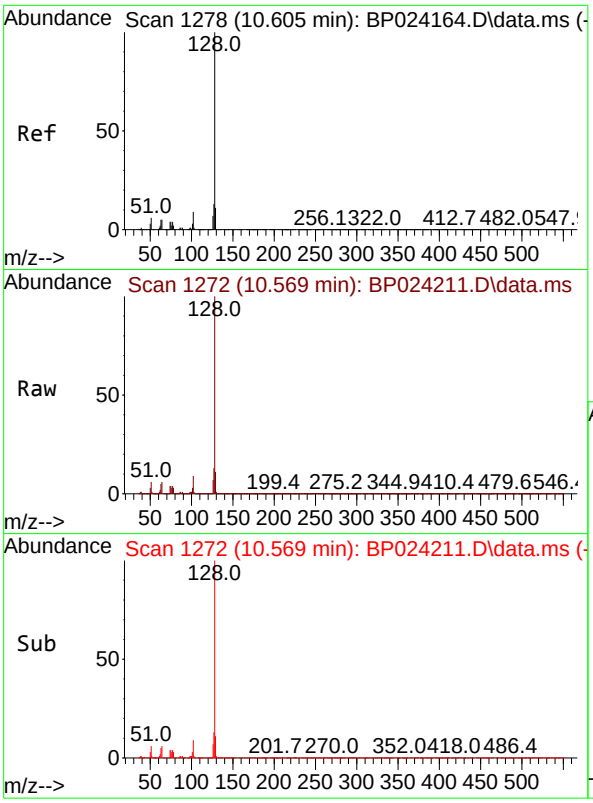



#30
1,2,4-Trichlorobenzene
Concen: 40.425 ng
RT: 10.381 min Scan# 1240
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:180 Resp: 1037774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.8 | 76.1 | 114.1 |
| 145 | 30.8 | 24.2 | 36.2 |

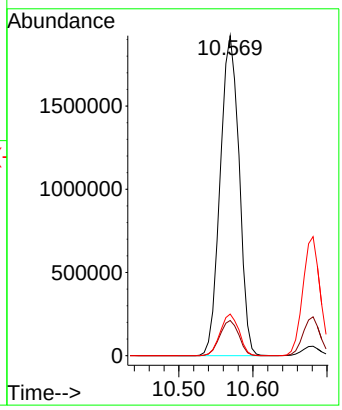





#31
Naphthalene
Concen: 40.209 ng
RT: 10.569 min Scan# 1
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:128 Resp: 340897

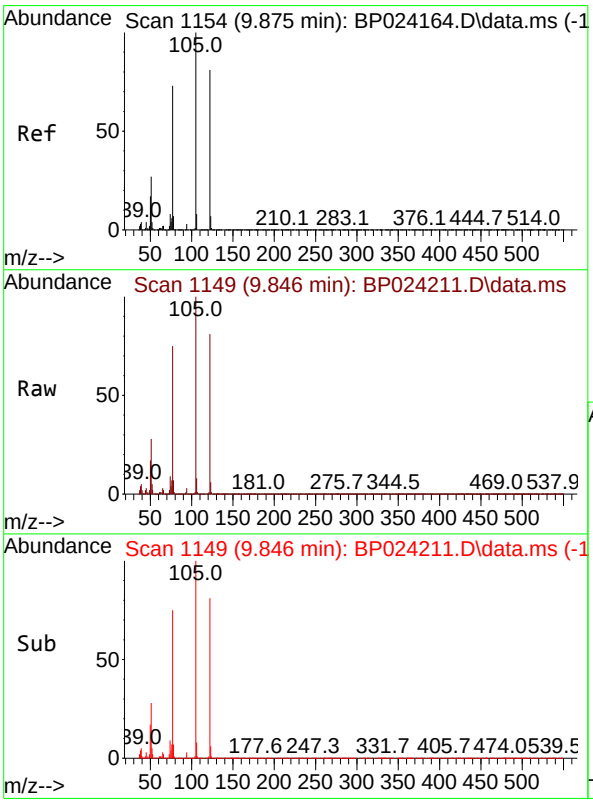
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.7 | 13.1 |
| 127 | 13.0 | 10.4 | 15.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

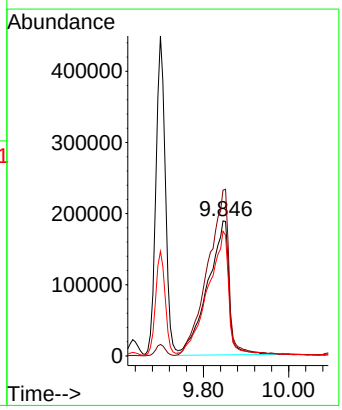
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

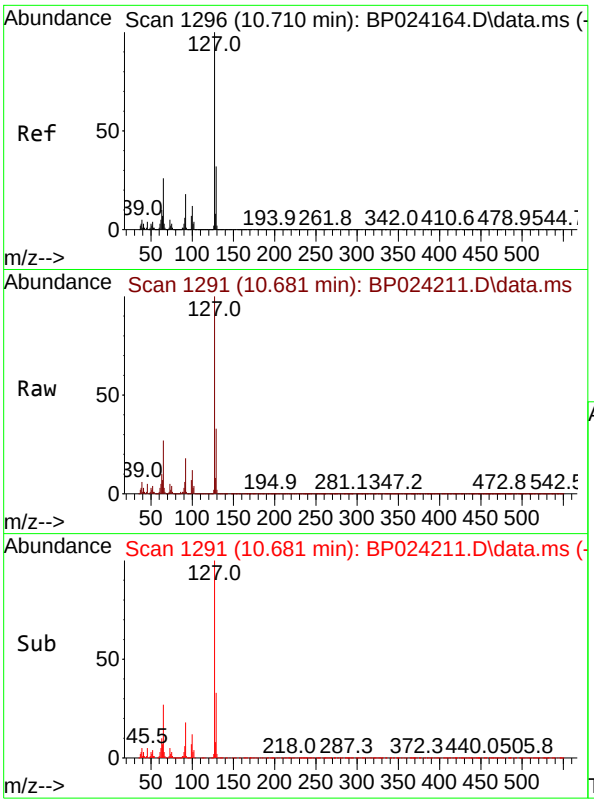



#32
Benzoic acid
Concen: 38.975 ng
RT: 9.846 min Scan# 1149
Delta R.T. -0.029 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:122 Resp: 652890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 122.8 | 100.3 | 140.3 |
| 77 | 92.4 | 69.1 | 109.1 |

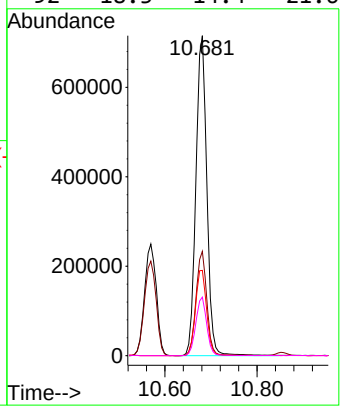





#33
4-Chloroaniline
Concen: 38.833 ng
RT: 10.681 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:127 Resp: 117822

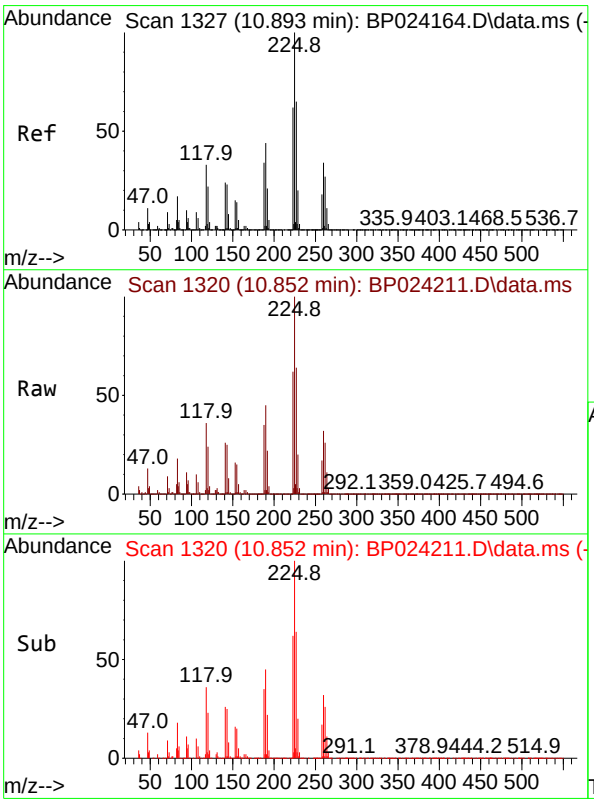
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.6 | 25.8 | 38.6 |
| 65 | 26.7 | 21.2 | 31.8 |
| 92 | 18.3 | 14.4 | 21.6 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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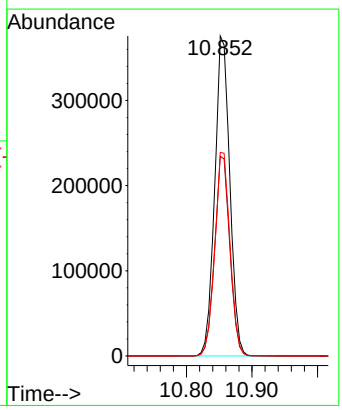
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

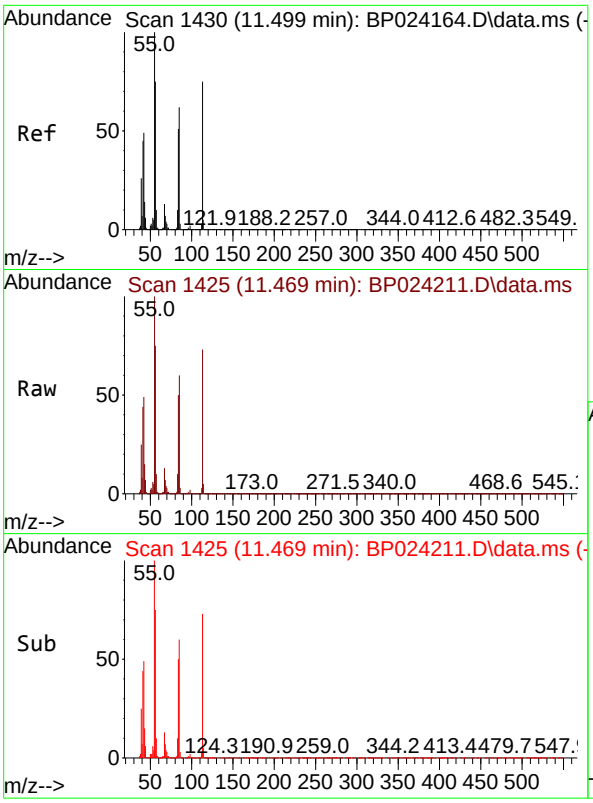



#34
Hexachlorobutadiene
Concen: 40.450 ng
RT: 10.852 min Scan# 1320
Delta R.T. -0.041 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:225 Resp: 597628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.4 | 49.9 | 74.9 |
| 227 | 63.6 | 52.2 | 78.2 |






#35
Caprolactam
Concen: 36.348 ng
RT: 11.469 min Scan# 14
Delta R.T. -0.029 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

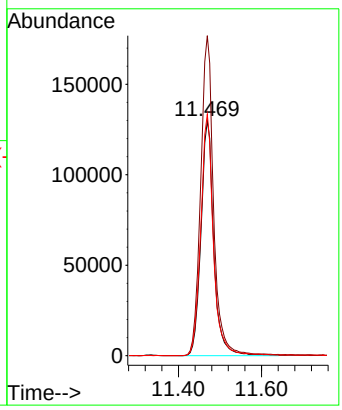
Tgt Ion:113 Resp: 27679

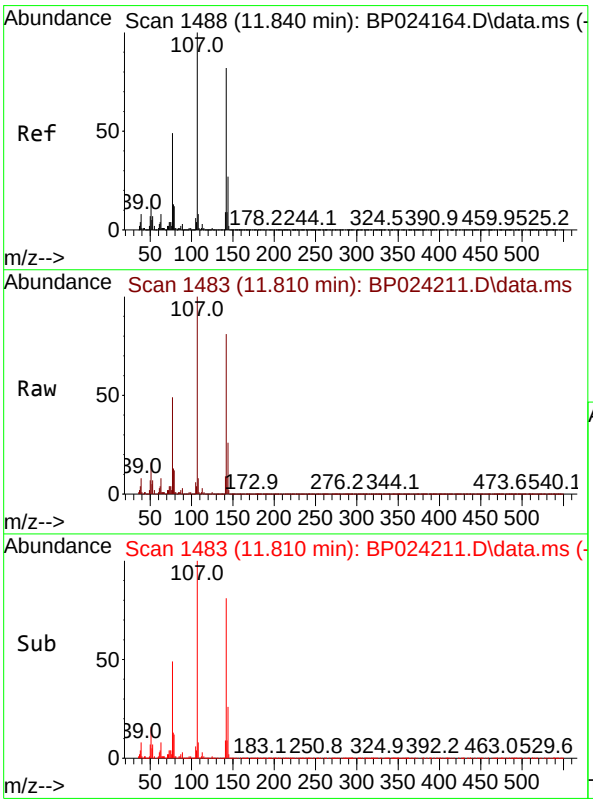
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 136.2 | 113.6 | 153.6 |
| 56 | 102.8 | 80.0 | 120.0 |

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

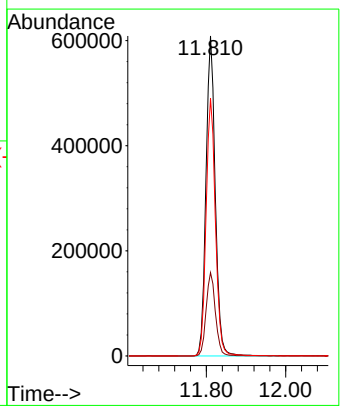


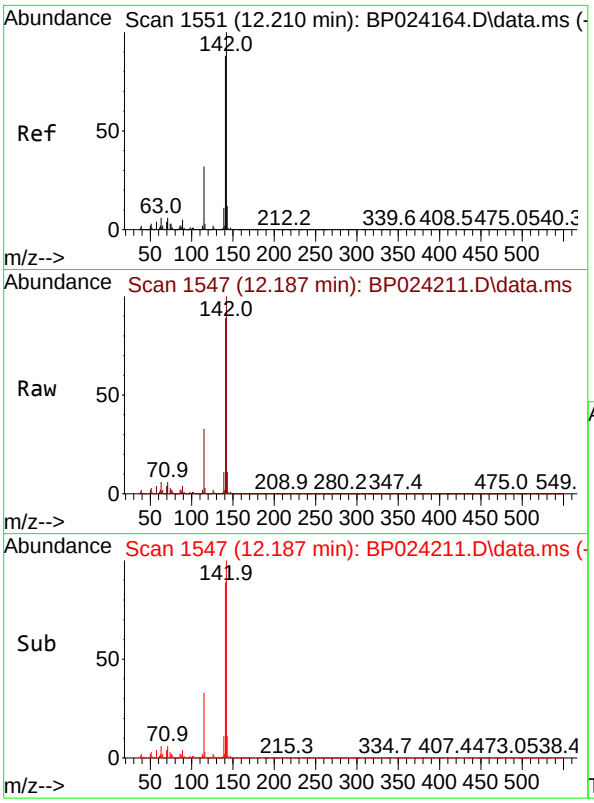




#36
4-Chloro-3-methylphenol
Concen: 39.442 ng
RT: 11.810 min Scan# 1483
Delta R.T. -0.029 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:107 Resp: 988672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.0 | 21.6 | 32.4 |
| 142 | 80.5 | 65.4 | 98.0 |

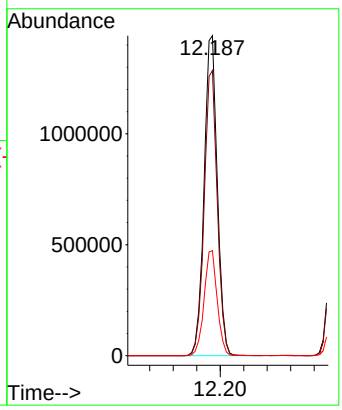





#37
2-Methylnaphthalene
Concen: 39.235 ng
RT: 12.187 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:142 Resp: 224724

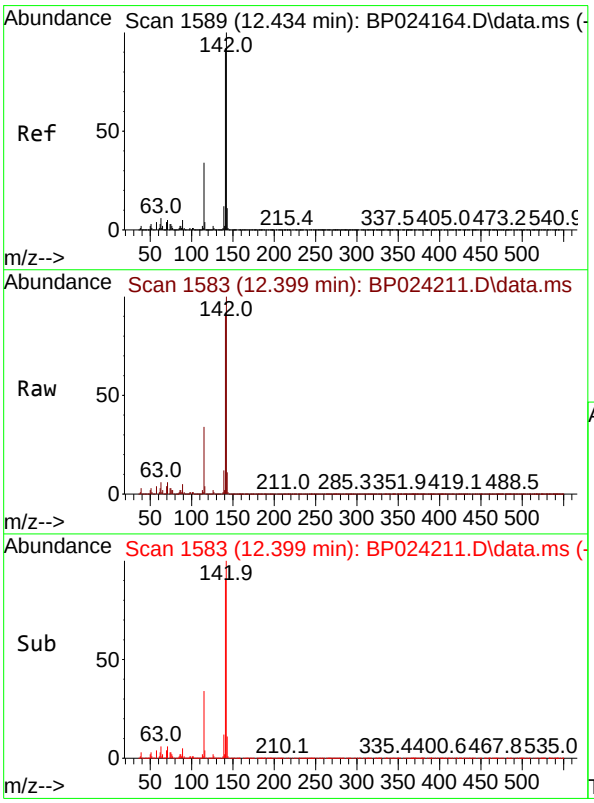
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.1 | 70.3 | 105.5 |
| 115 | 32.8 | 26.0 | 39.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**

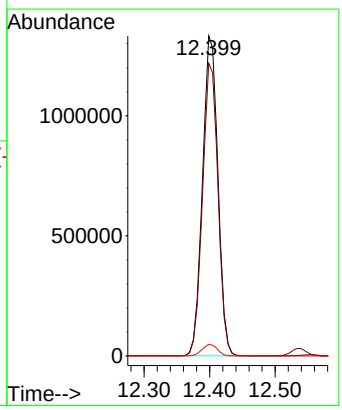
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

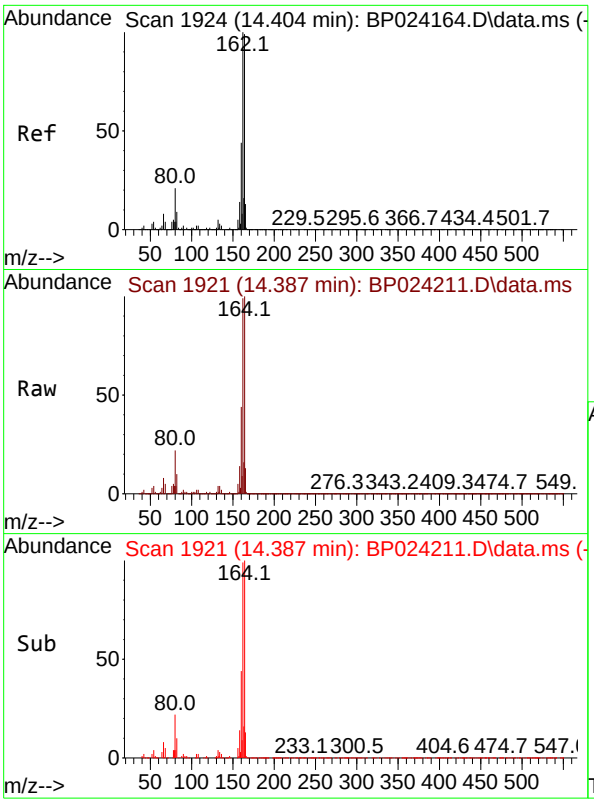



#38
1-Methylnaphthalene
Concen: 39.157 ng
RT: 12.399 min Scan# 1583
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:142 Resp: 2181412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.4 | 73.9 | 110.9 |
| 116 | 3.7 | 2.8 | 4.2 |

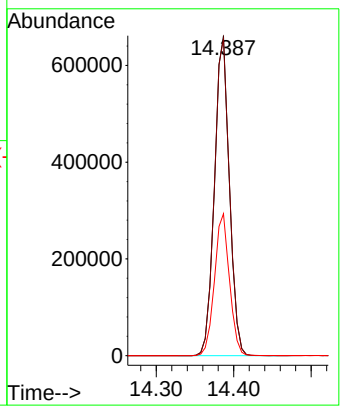





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

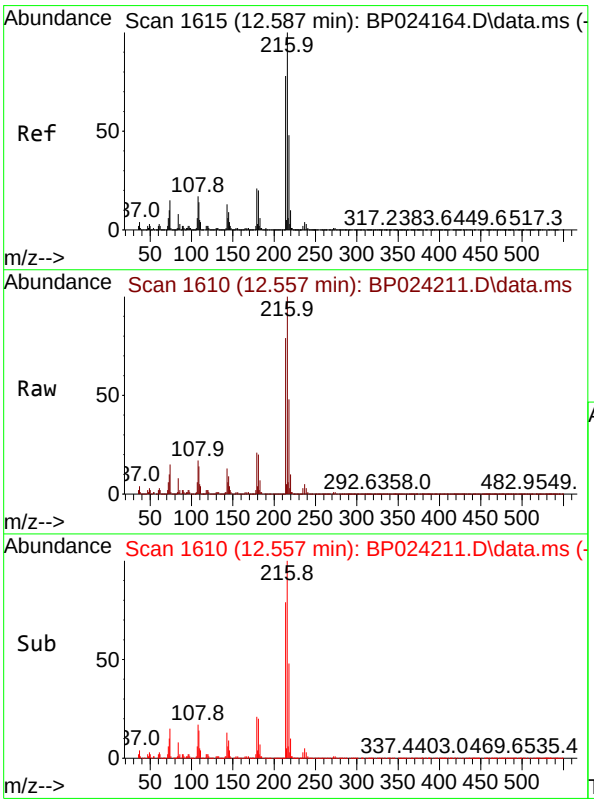
Tgt Ion:164 Resp: 88478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.1 | 80.6 | 121.0 |
| 160 | 44.4 | 35.4 | 53.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

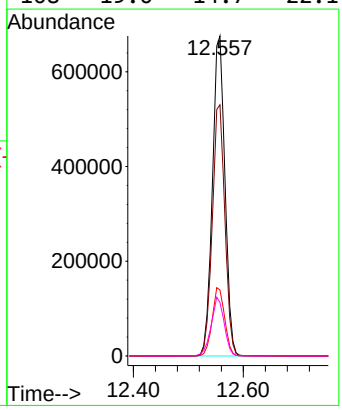
**Manual Integrations APPROVED**
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

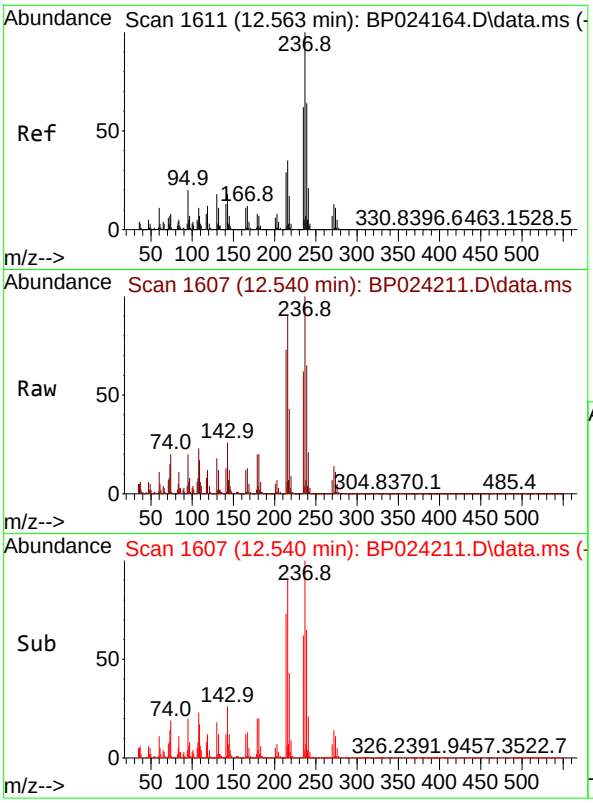



#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.799 ng
RT: 12.557 min Scan# 1610
Delta R.T. -0.029 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:216 Resp: 1069066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.9 | 62.8 | 94.2 |
| 179 | 21.3 | 16.8 | 25.2 |
| 108 | 19.0 | 14.7 | 22.1 |

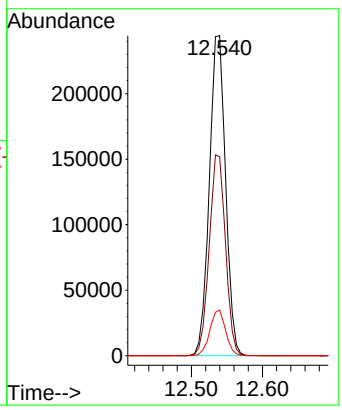





#41
Hexachlorocyclopentadiene
Concen: 42.069 ng
RT: 12.540 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:237 Resp: 38785

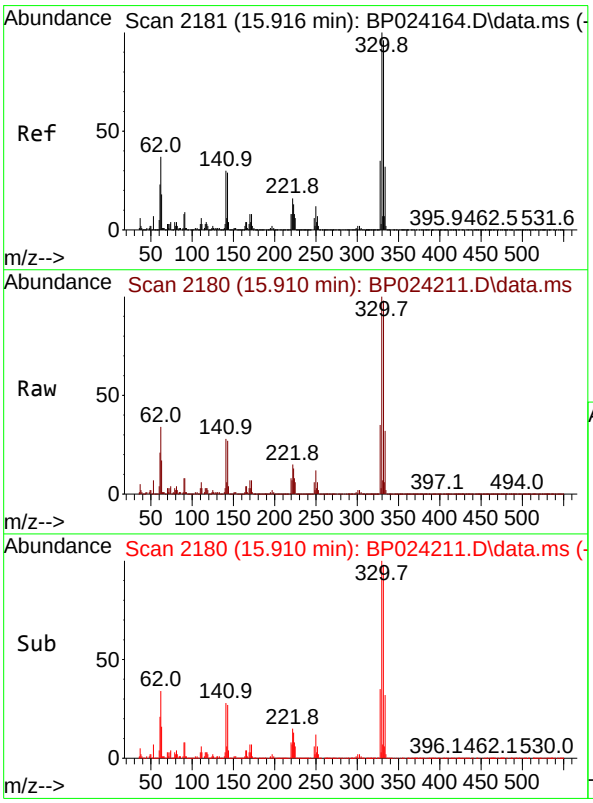
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.2 | 41.8 | 81.8 |
| 272 | 14.3 | 0.0 | 33.5 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

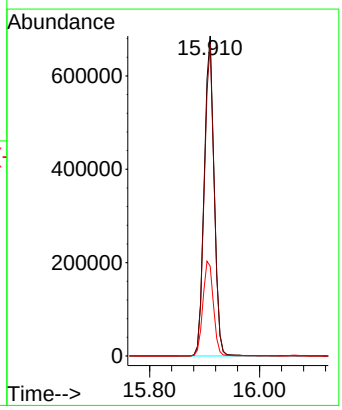
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

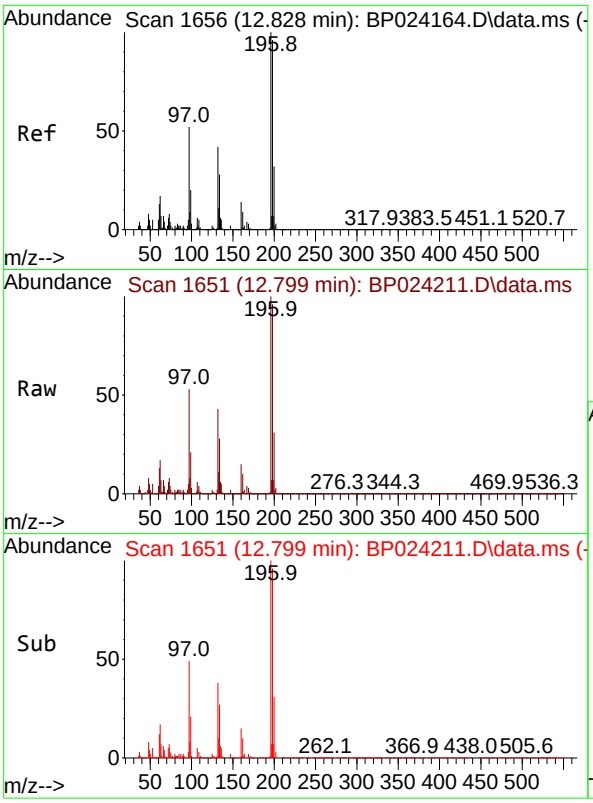



#42
2,4,6-Tribromophenol
Concen: 76.789 ng
RT: 15.910 min Scan# 2180
Delta R.T. -0.006 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:330 Resp: 855806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.2 | 77.6 | 116.4 |
| 141 | 31.5 | 25.0 | 37.6 |

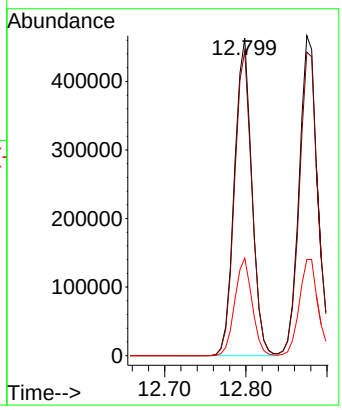





#43
2,4,6-Trichlorophenol
Concen: 42.283 ng
RT: 12.799 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:196 Resp: 68727

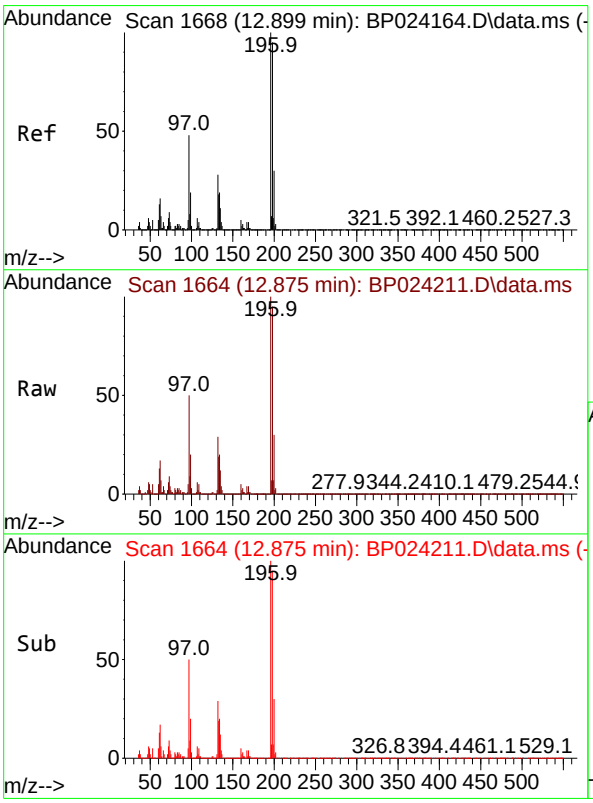
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.0 | 76.6 | 115.0 |
| 200 | 30.8 | 25.4 | 38.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

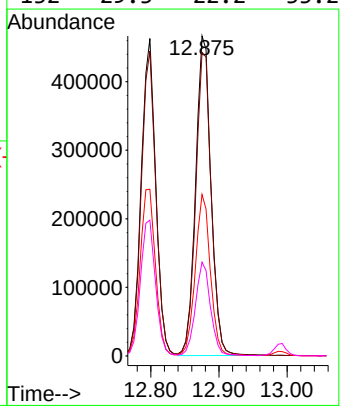
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

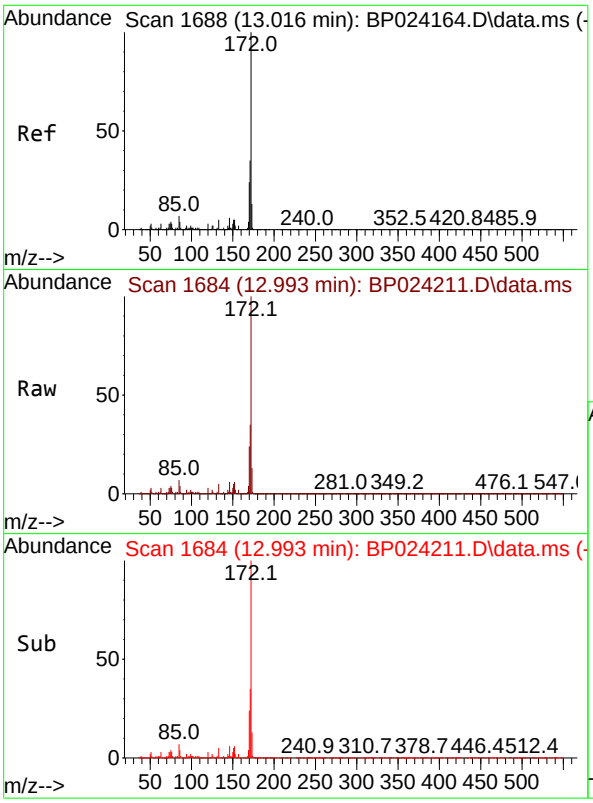



#44
2,4,5-Trichlorophenol
Concen: 41.234 ng
RT: 12.875 min Scan# 1664
Delta R.T. -0.023 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:196 Resp: 735015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.8 | 76.5 | 114.7 |
| 97 | 50.5 | 38.7 | 58.1 |
| 132 | 29.3 | 22.2 | 33.2 |

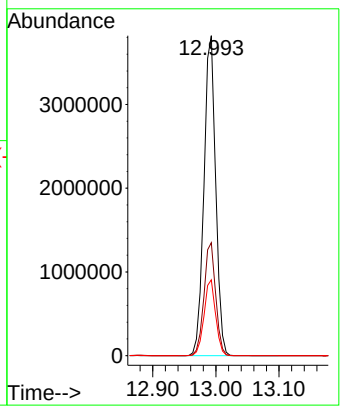





#45
2-Fluorobiphenyl
Concen: 82.015 ng
RT: 12.993 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:172 Resp: 492125

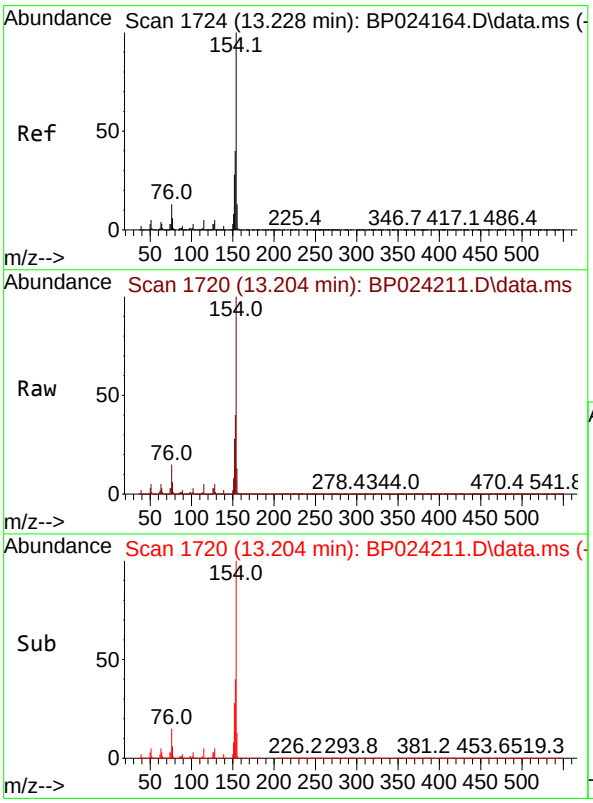
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 28.3 | 42.5 |
| 170 | 23.7 | 19.0 | 28.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

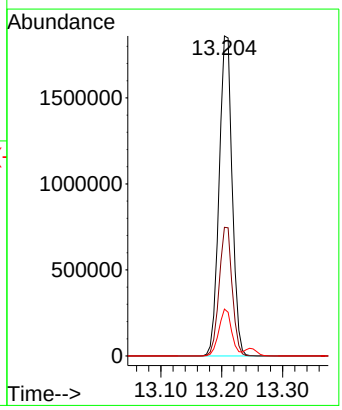
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

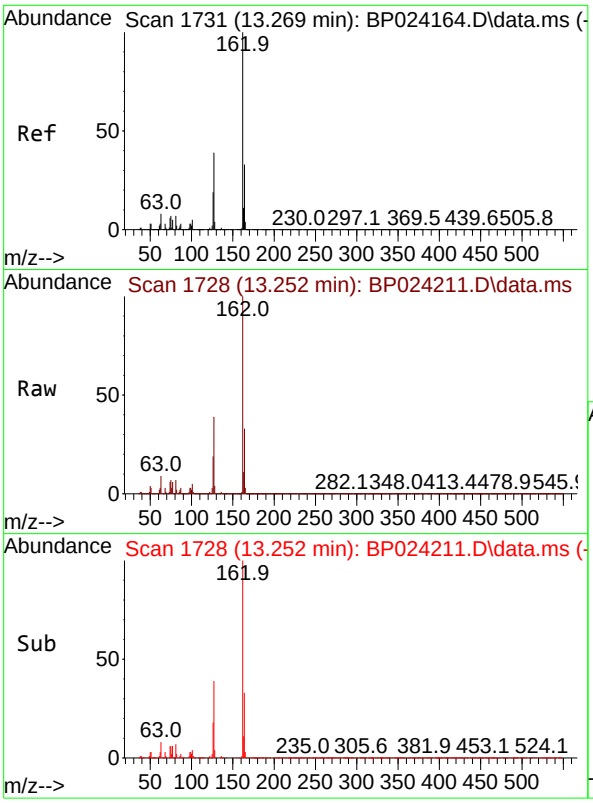



#46
1,1'-Biphenyl
Concen: 41.516 ng
RT: 13.204 min Scan# 1720
Delta R.T. -0.023 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:154 Resp: 2760283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.2 | 20.3 | 60.3 |
| 76 | 14.7 | 0.0 | 32.9 |

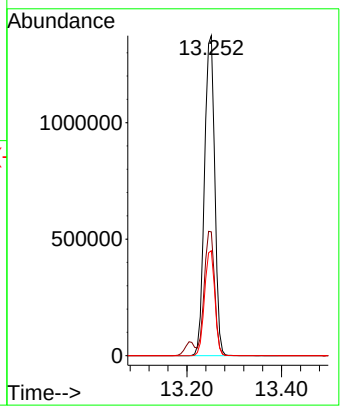





#47
2-Chloronaphthalene
Concen: 41.252 ng
RT: 13.252 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:162 Resp: 206299

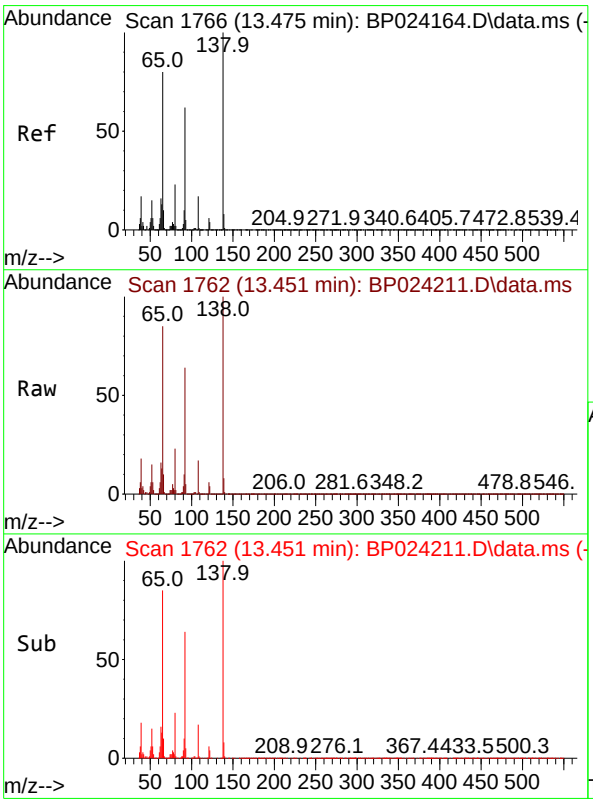
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 38.7 | 31.5 | 47.3 |
| 164 | 32.8 | 26.6 | 39.8 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

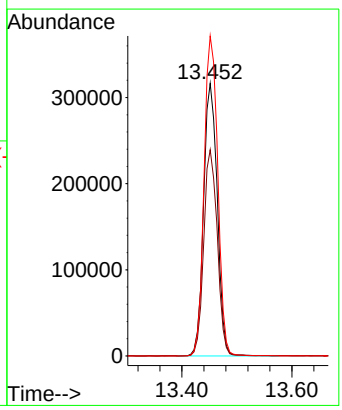
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

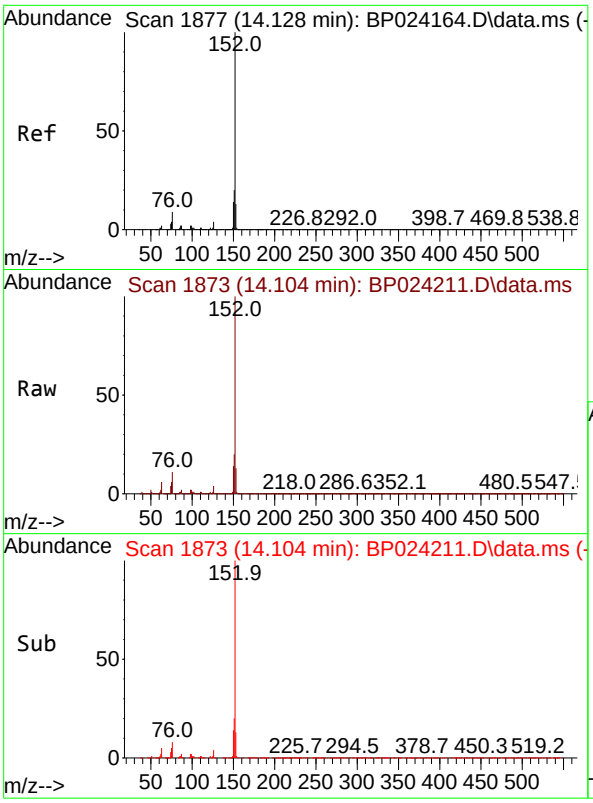



#48
2-Nitroaniline
Concen: 42.683 ng
RT: 13.451 min Scan# 1762
Delta R.T. -0.023 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion: 65 Resp: 545965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 75.7 | 62.1 | 93.1 |
| 138 | 117.4 | 99.5 | 149.3 |






#49
Acenaphthylene
Concen: 41.603 ng
RT: 14.104 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

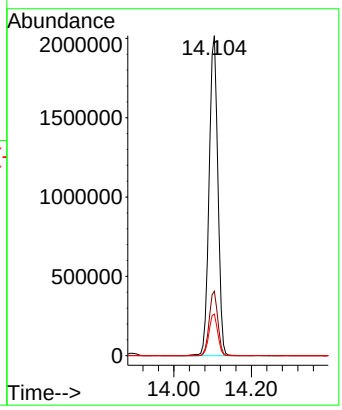
**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

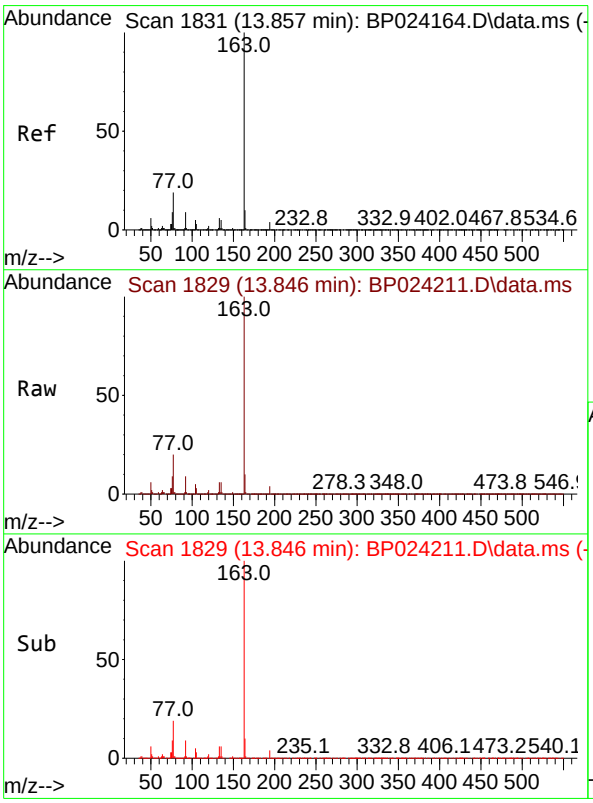
Tgt Ion:152 Resp: 314814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.0 | 24.0 |
| 153 | 13.0 | 10.6 | 15.8 |

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

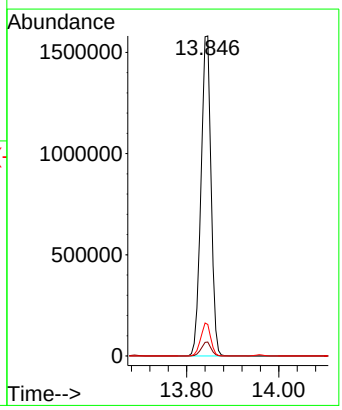


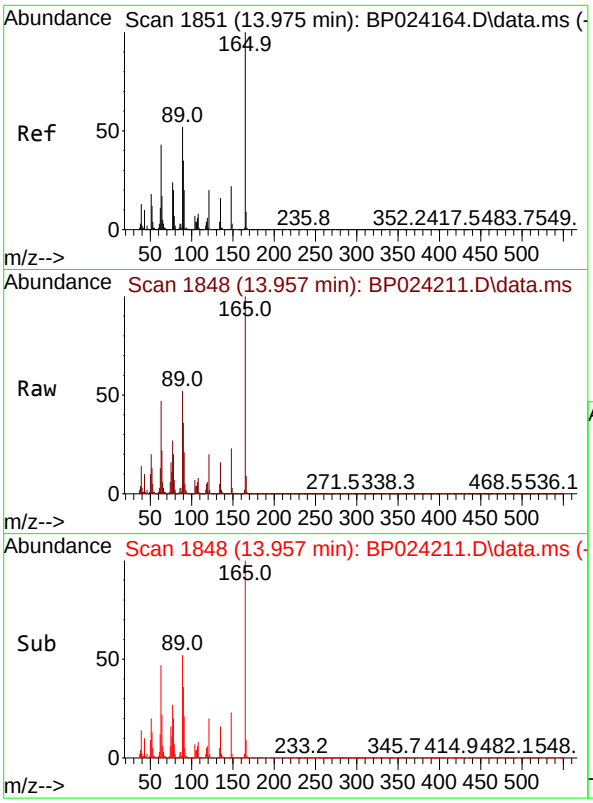




#50
Dimethylphthalate
Concen: 38.950 ng
RT: 13.846 min Scan# 1829
Delta R.T. -0.012 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:163 Resp: 2411403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.4 | 5.0 |
| 164 | 9.9 | 8.2 | 12.4 |

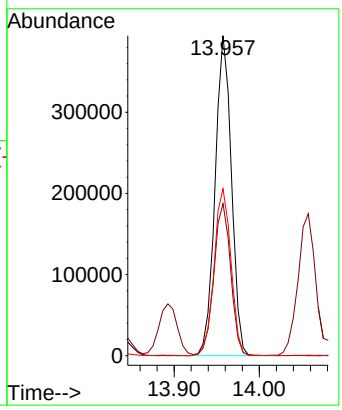





#51
2,6-Dinitrotoluene
Concen: 40.278 ng
RT: 13.957 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:165 Resp: 52466

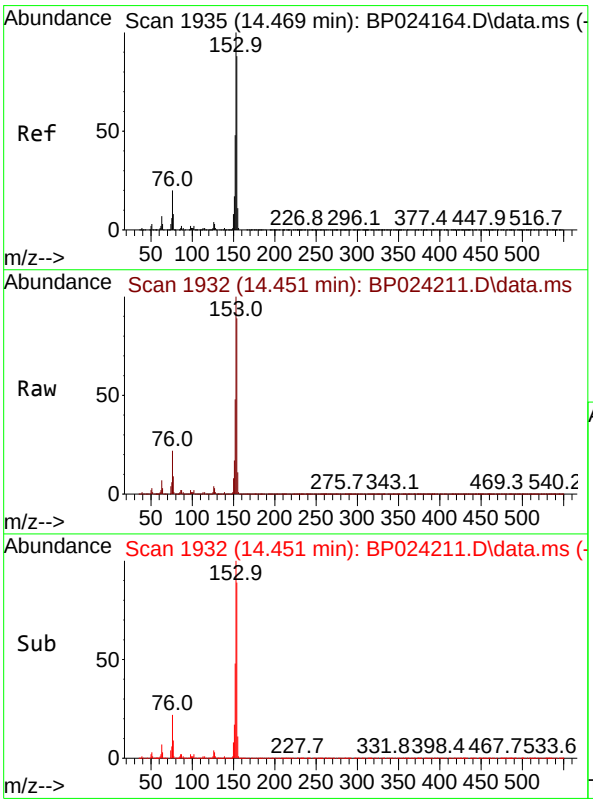
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 47.5 | 37.7 | 56.5 |
| 89 | 52.1 | 41.9 | 62.9 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

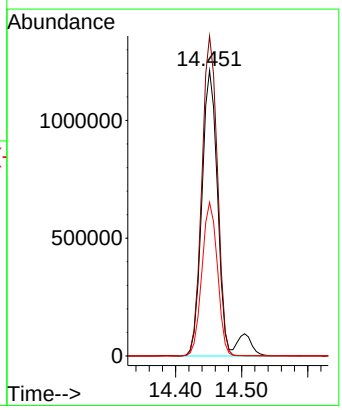
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

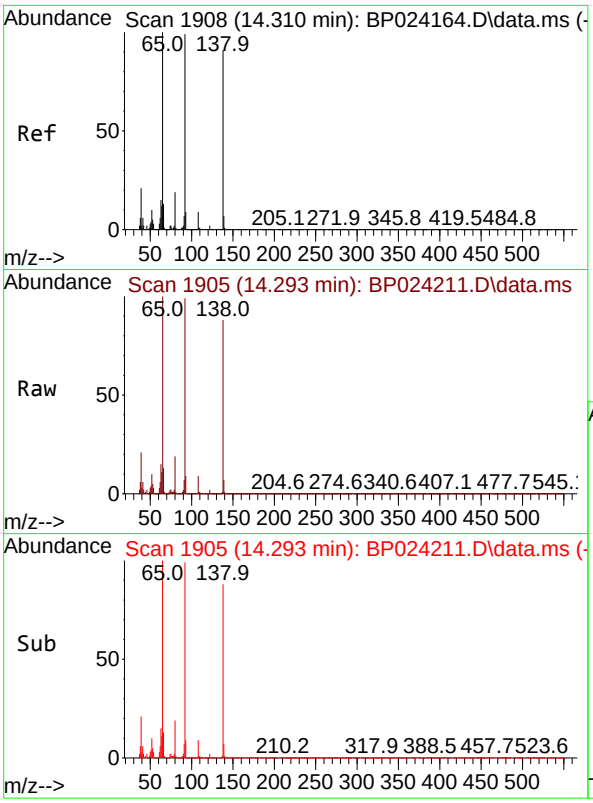



#52
Acenaphthene
Concen: 43.825 ng m
RT: 14.451 min Scan# 1932
Delta R.T. -0.018 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:154 Resp: 2118846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.1 | 90.5 | 135.7 |
| 152 | 53.8 | 43.1 | 64.7 |






#53
3-Nitroaniline
Concen: 39.066 ng
RT: 14.293 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

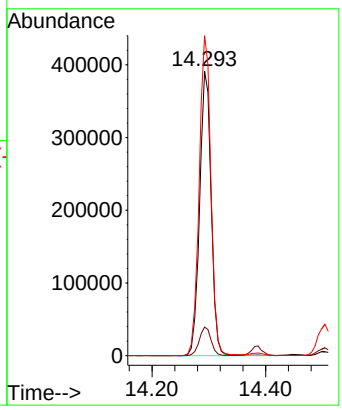
Tgt Ion:138 Resp: 54962

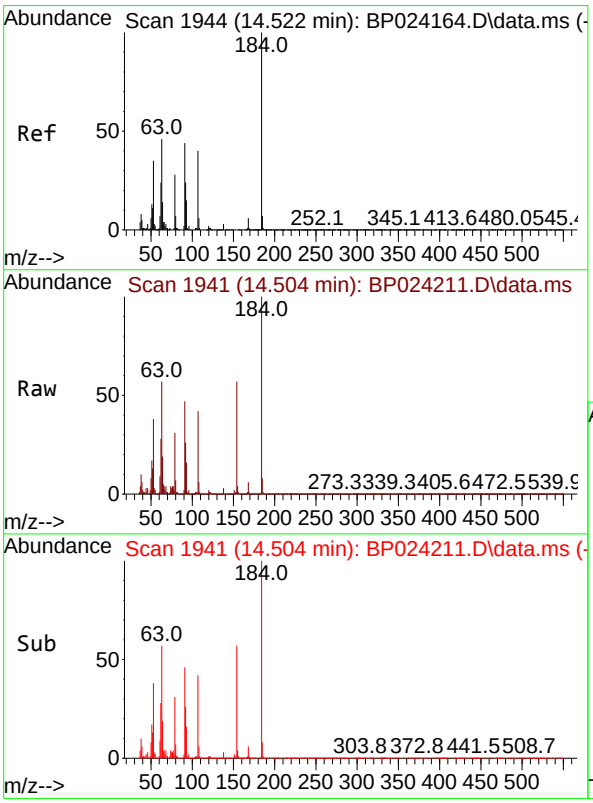
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.0 | 8.2 | 12.2 |
| 92 | 112.5 | 86.7 | 130.1 |

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

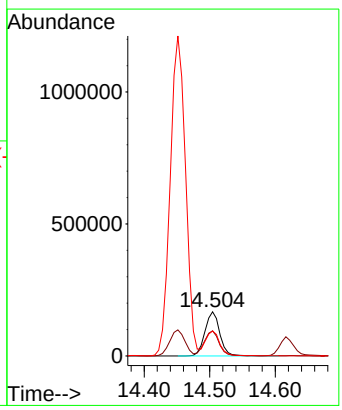


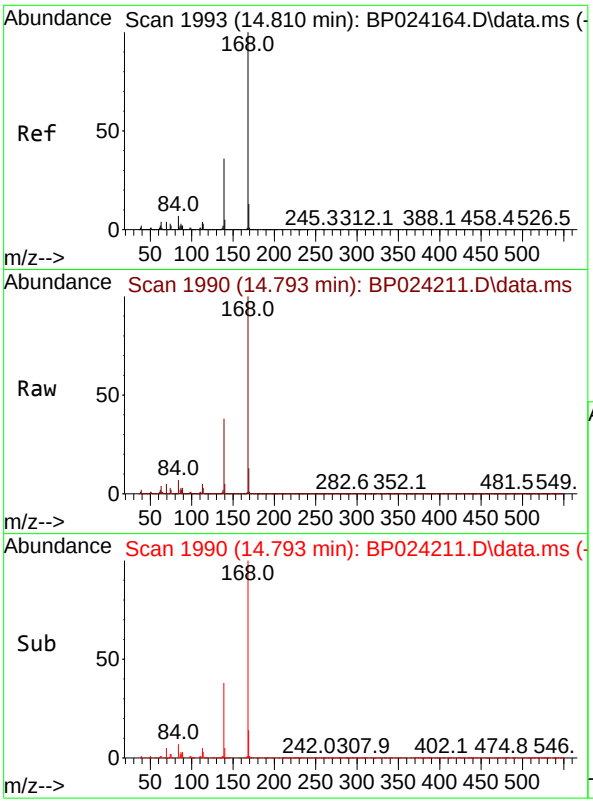




#54
2,4-Dinitrophenol
Concen: 38.187 ng
RT: 14.504 min Scan# 1941
Delta R.T. -0.018 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:184 Resp: 263202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 56.8 | 42.1 | 63.1 |
| 154 | 56.7 | 44.6 | 67.0 |

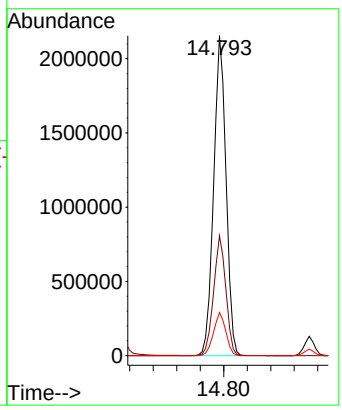





#55
Dibenzofuran
Concen: 40.164 ng
RT: 14.793 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:168 Resp: 314541

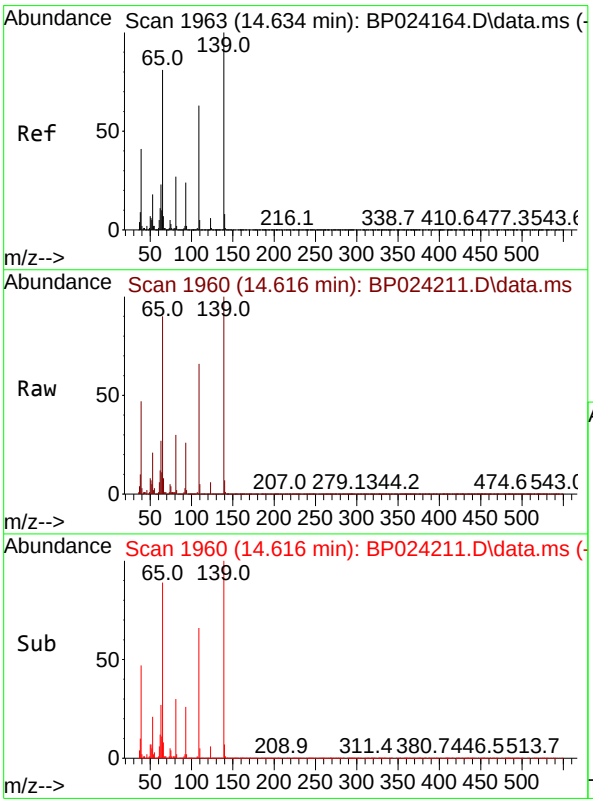
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.5 | 29.1 | 43.7 |
| 169 | 13.5 | 10.8 | 16.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

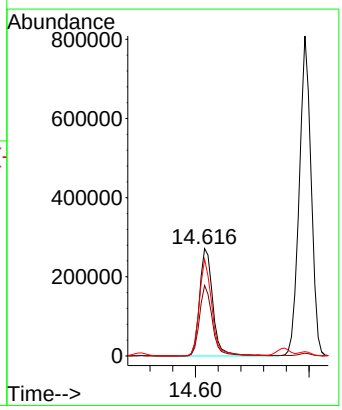
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

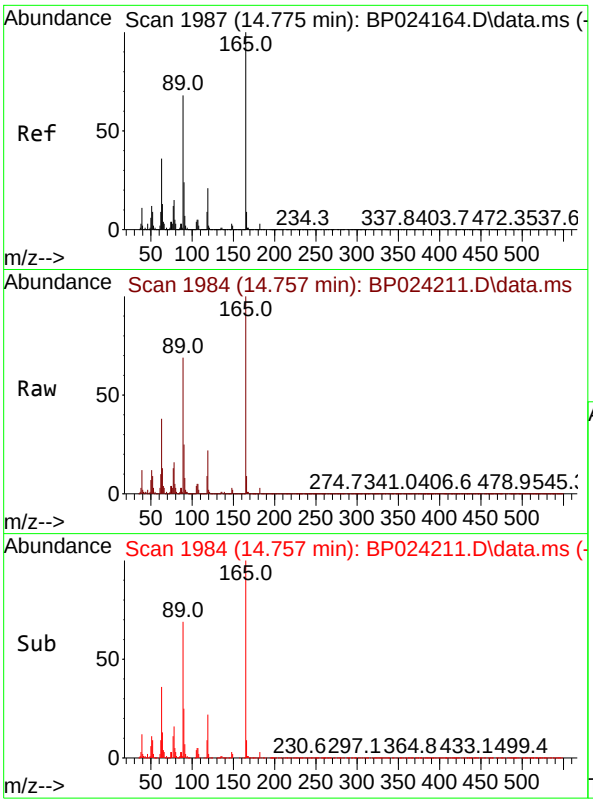



#56
4-Nitrophenol
Concen: 37.289 ng
RT: 14.616 min Scan# 1960
Delta R.T. -0.018 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:139 Resp: 438355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 65.7 | 43.3 | 83.3 |
| 65 | 90.0 | 61.2 | 101.2 |

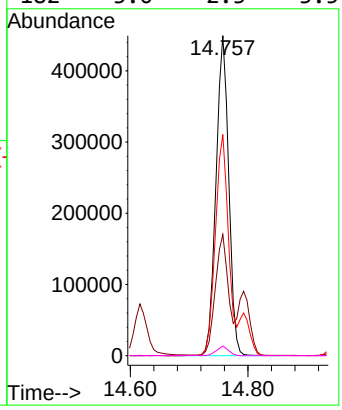





#57
2,4-Dinitrotoluene
Concen: 39.285 ng
RT: 14.757 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:165 Resp: 67595

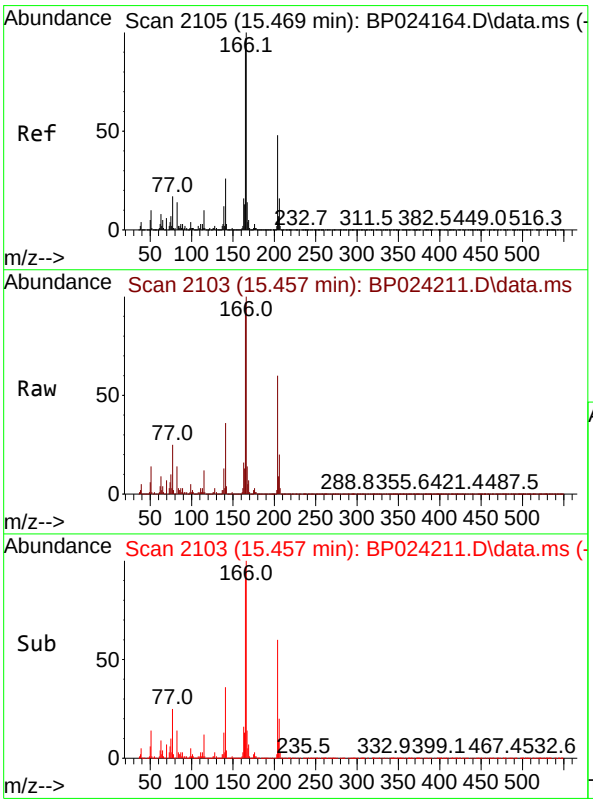
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 37.8 | 29.0 | 43.6 |
| 89 | 69.1 | 54.2 | 81.4 |
| 182 | 3.0 | 2.3 | 3.5 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

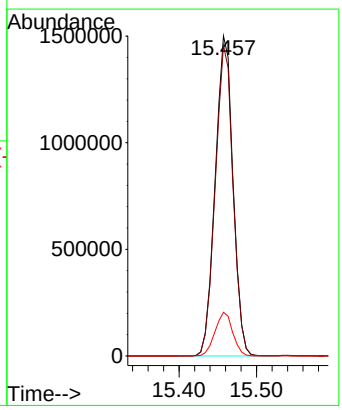
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

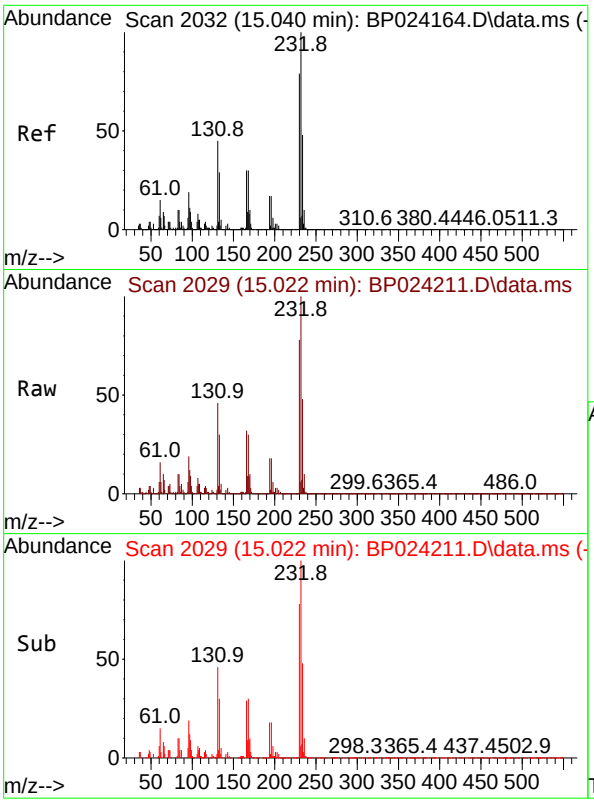



#58
Fluorene
Concen: 39.253 ng
RT: 15.457 min Scan# 2103
Delta R.T. -0.012 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:166 Resp: 2395113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.0 | 77.6 | 116.4 |
| 167 | 13.6 | 10.8 | 16.2 |

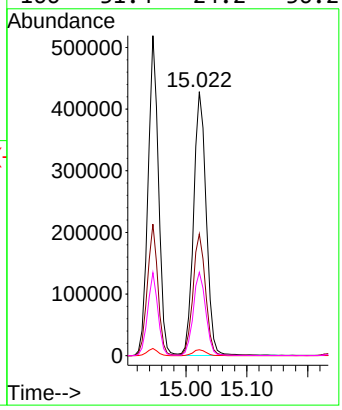





#59
2,3,4,6-Tetrachlorophenol
Concen: 39.095 ng
RT: 15.022 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:232 Resp: 61571

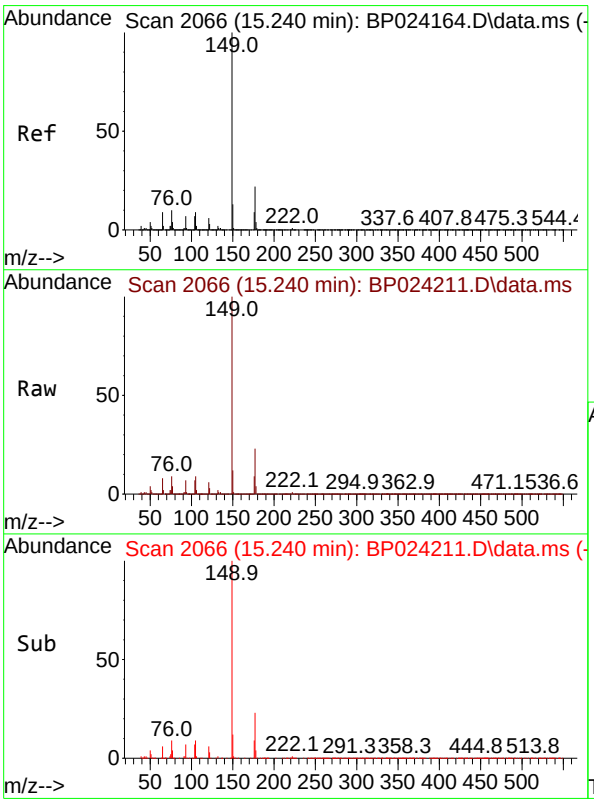
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.6 | 35.9 | 53.9 |
| 130 | 2.4 | 1.8 | 2.6 |
| 166 | 31.4 | 24.2 | 36.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**

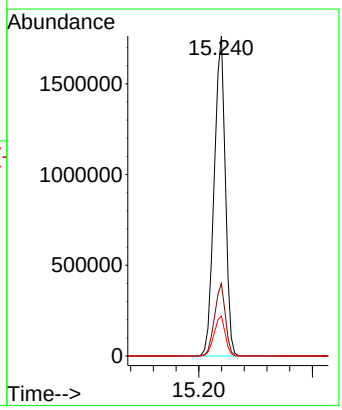
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

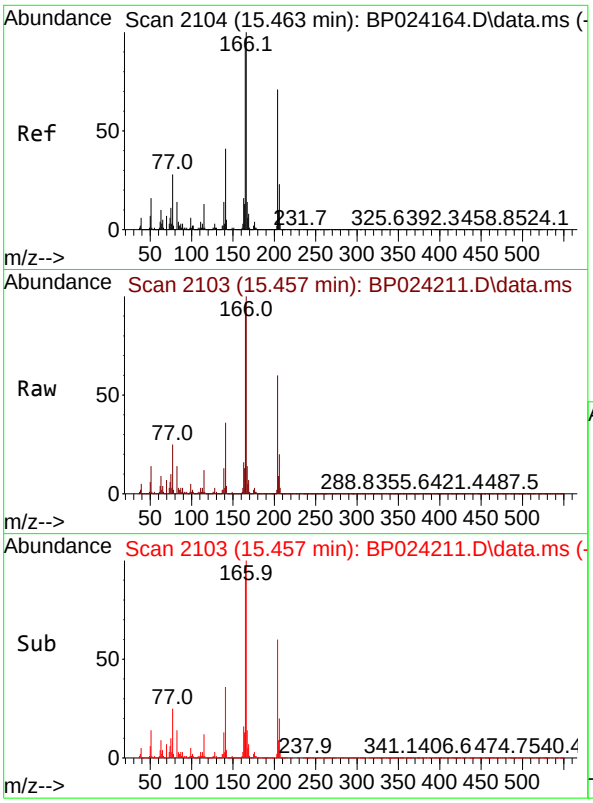



#60
Diethylphthalate
Concen: 38.612 ng
RT: 15.240 min Scan# 2066
Delta R.T. 0.000 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:149 Resp: 2380475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.6 | 17.7 | 26.5 |
| 150 | 12.5 | 10.2 | 15.4 |

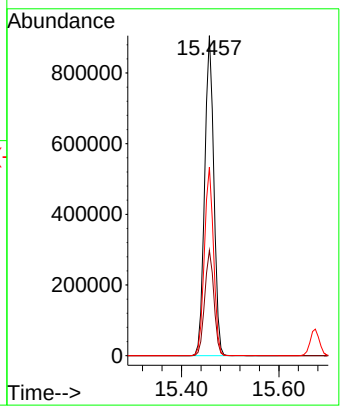





#61
4-Chlorophenyl-phenylether
Concen: 39.353 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:204 Resp: 117774

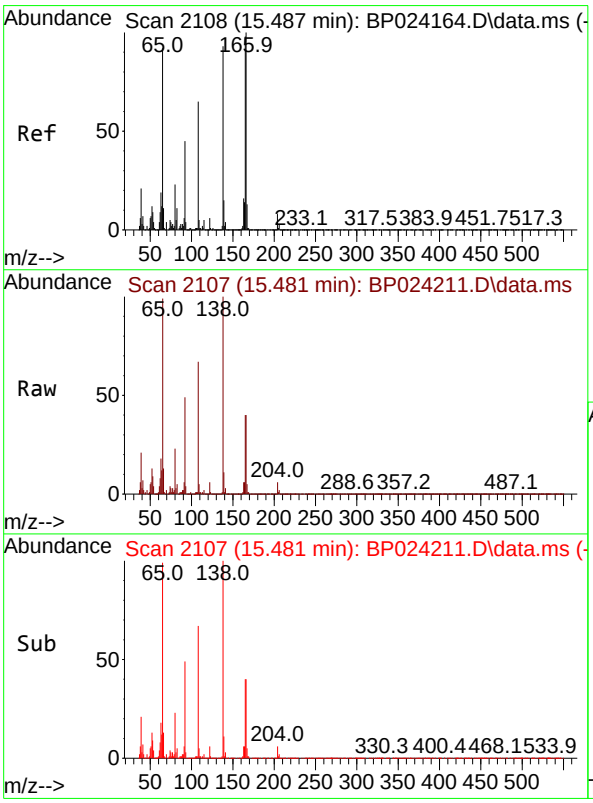
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.9 | 26.4 | 39.6 |
| 141 | 58.9 | 45.8 | 68.8 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**

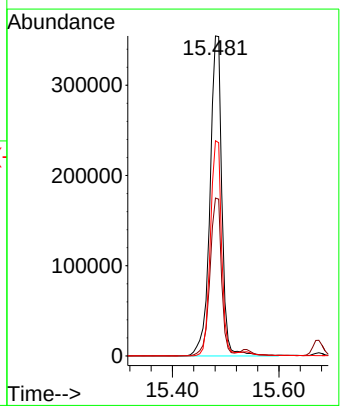
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

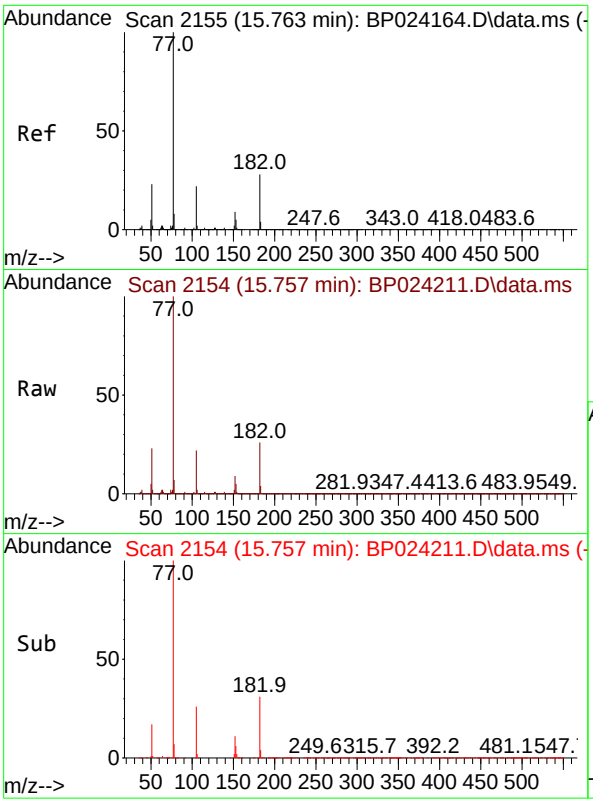



#62
4-Nitroaniline
Concen: 37.337 ng
RT: 15.481 min Scan# 2107
Delta R.T. -0.006 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:138 Resp: 550942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.3 | 28.7 | 68.7 |
| 108 | 67.3 | 49.5 | 89.5 |

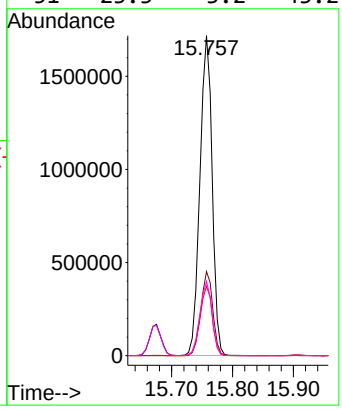





#63
Azobenzene
Concen: 41.241 ng
RT: 15.757 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion: 77 Resp: 239647

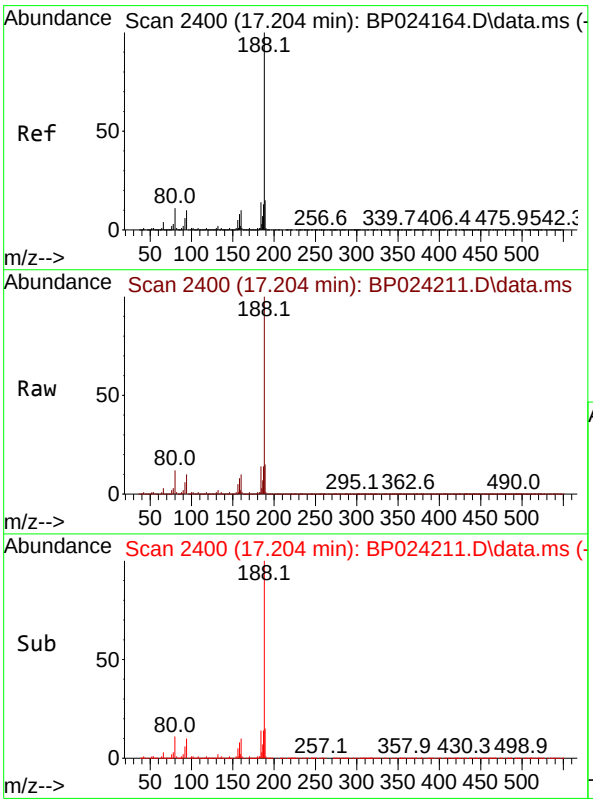
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.3 | 7.7 | 47.7 |
| 105 | 21.7 | 2.3 | 42.3 |
| 51 | 23.3 | 3.2 | 43.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

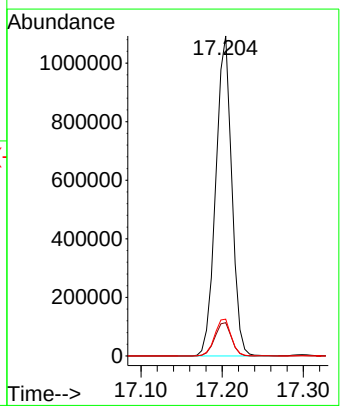
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

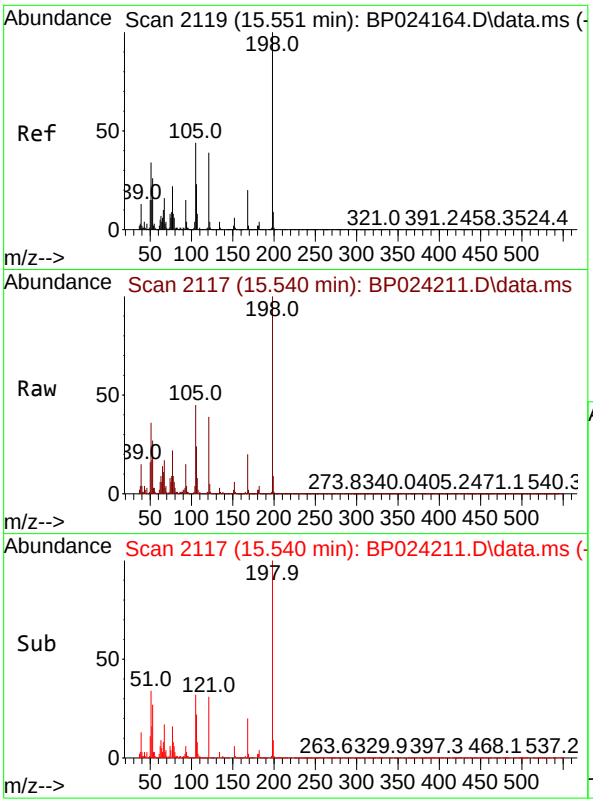



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2400
Delta R.T. 0.000 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:188 Resp: 1496179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.4 | 8.1 | 12.1 |
| 80 | 11.5 | 8.9 | 13.3 |






#65
4,6-Dinitro-2-methylphenol
Concen: 40.019 ng
RT: 15.540 min Scan# 21
Delta R.T. -0.011 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

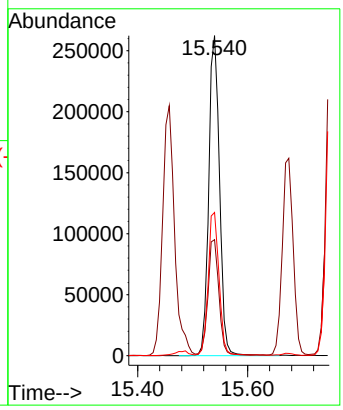
Tgt Ion:198 Resp: 35545

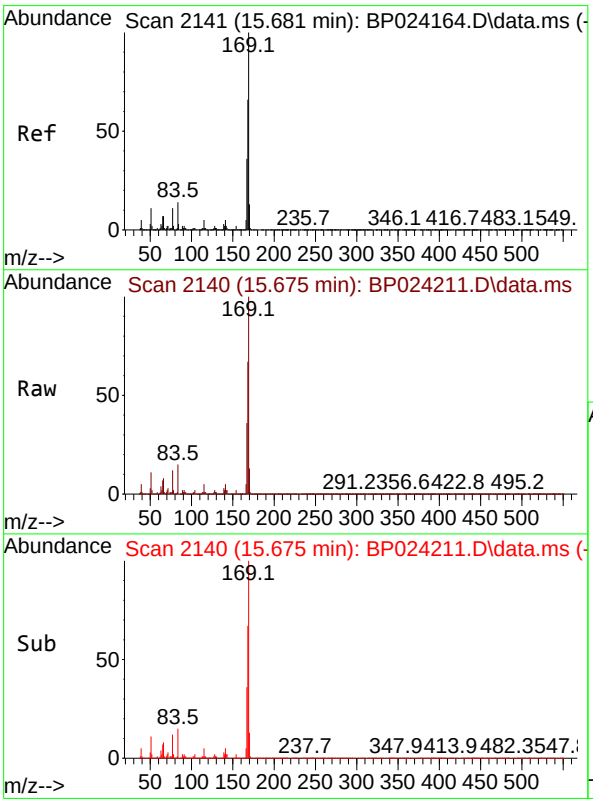
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 36.3 | 14.7 | 54.7 |
| 105 | 44.7 | 23.8 | 63.8 |

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

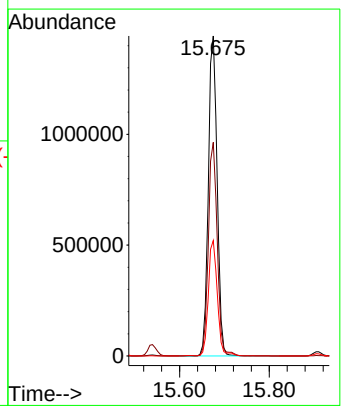


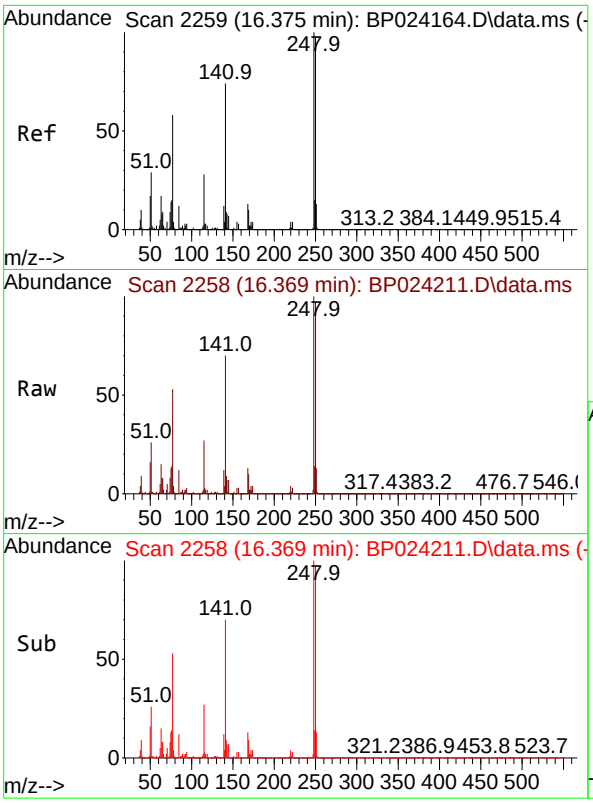




#66
n-Nitrosodiphenylamine
Concen: 43.144 ng
RT: 15.675 min Scan# 2140
Delta R.T. -0.006 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:169 Resp: 1960186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.7 | 52.9 | 79.3 |
| 167 | 36.1 | 28.8 | 43.2 |

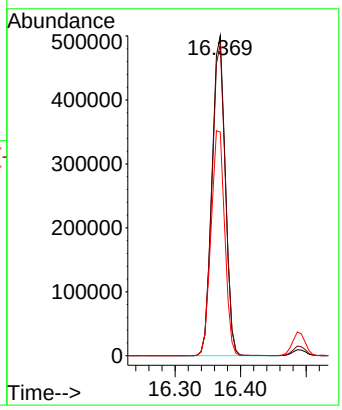





#67
4-Bromophenyl-phenylether
Concen: 43.113 ng
RT: 16.369 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:248 Resp: 70819

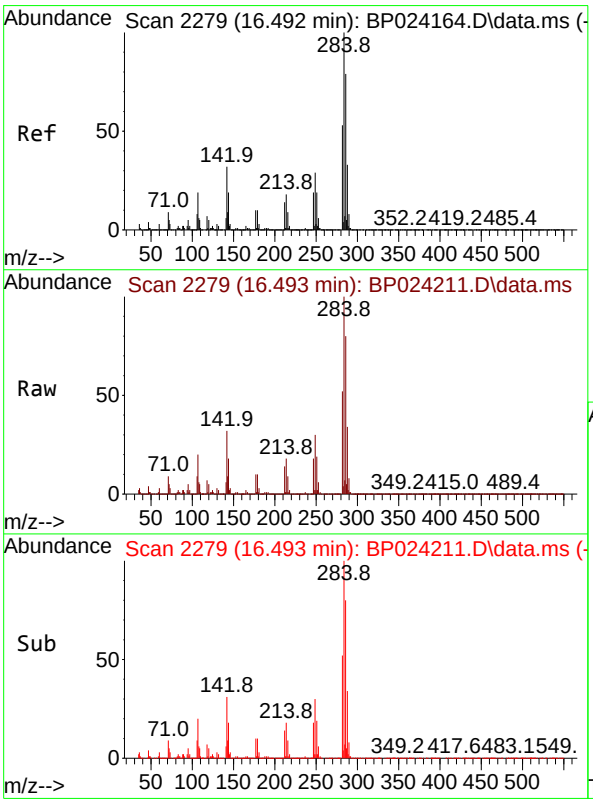
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.3 | 78.4 | 117.6 |
| 141 | 69.8 | 59.4 | 89.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

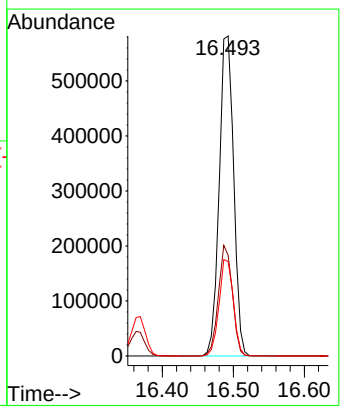
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

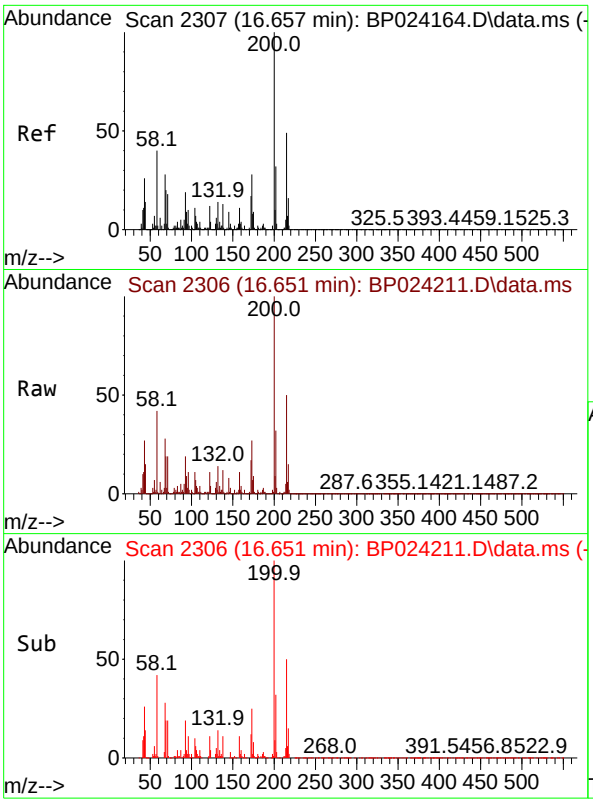



#68
Hexachlorobenzene
Concen: 42.056 ng
RT: 16.493 min Scan# 2279
Delta R.T. 0.000 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:284 Resp: 817684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.5 | 25.4 | 38.2 |
| 249 | 29.6 | 23.5 | 35.3 |

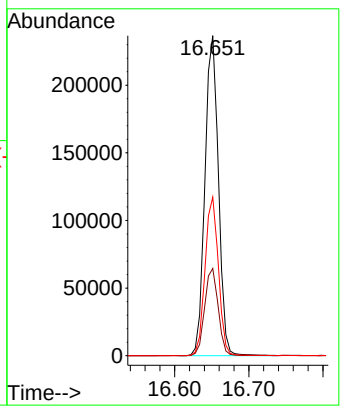





#69
Atrazine
Concen: 27.317 ng
RT: 16.651 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:200 Resp: 29956

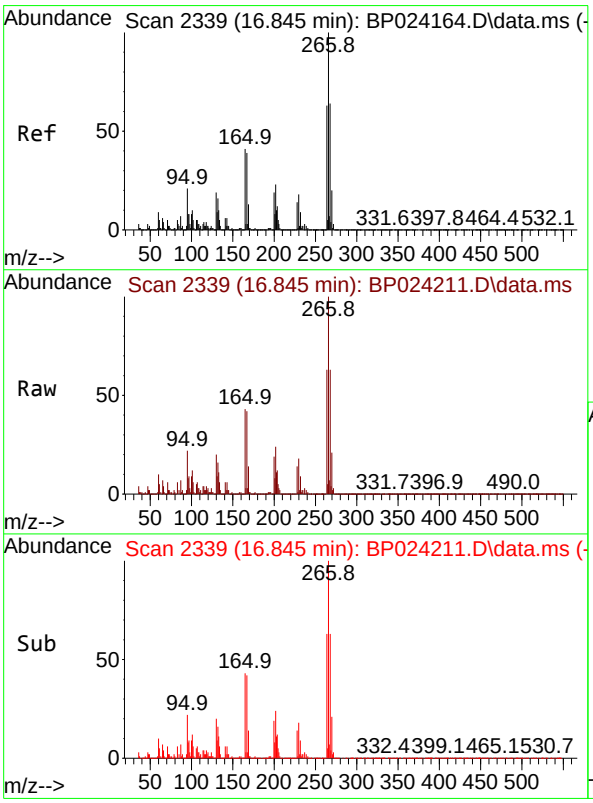
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.3 | 7.6 | 47.6 |
| 215 | 49.5 | 29.0 | 69.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

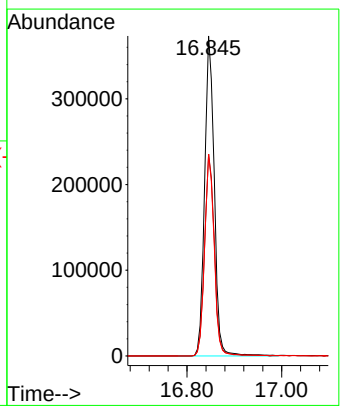
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

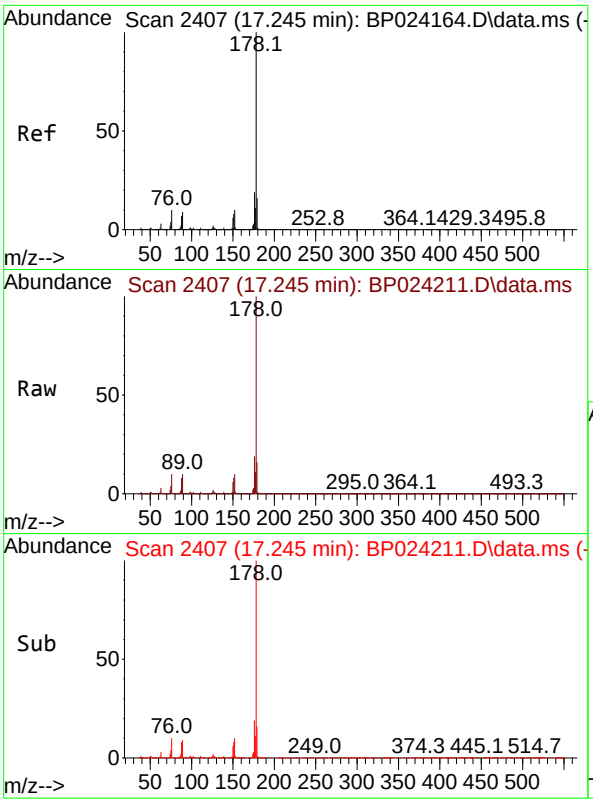



#70
Pentachlorophenol
Concen: 41.875 ng
RT: 16.845 min Scan# 2339
Delta R.T. 0.000 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:266 Resp: 526505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.1 | 51.3 | 76.9 |
| 264 | 63.1 | 50.6 | 76.0 |






#71
Phenanthrene
Concen: 40.470 ng
RT: 17.245 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

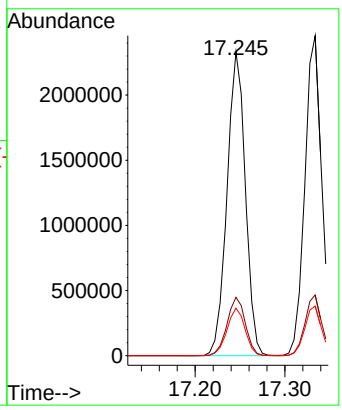
Tgt Ion:178 Resp: 330786

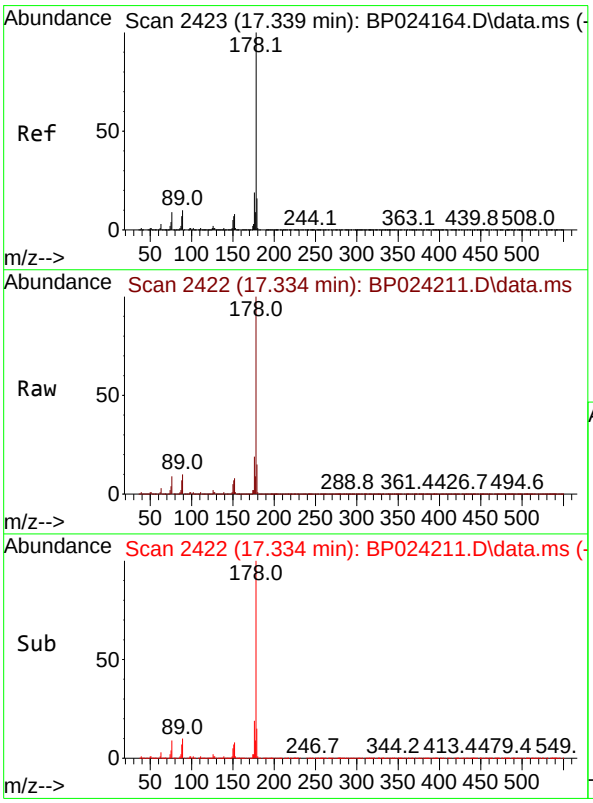
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.6 | 23.4 |
| 179 | 15.7 | 12.5 | 18.7 |

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

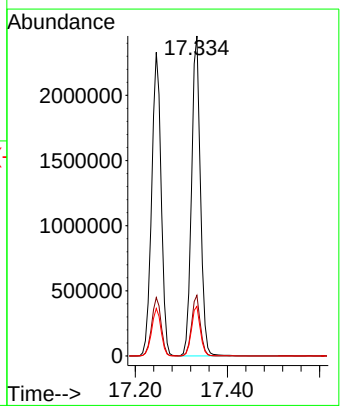


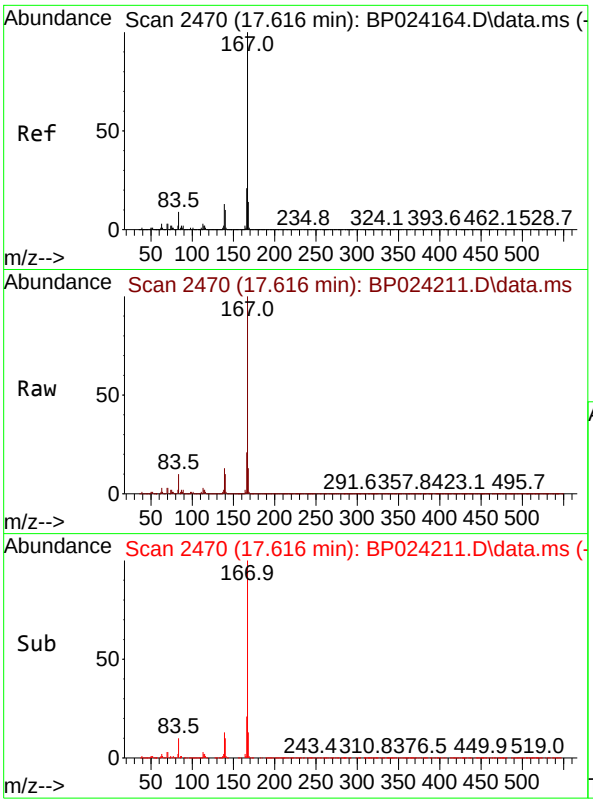




#72
Anthracene
Concen: 41.026 ng
RT: 17.334 min Scan# 2422
Delta R.T. -0.006 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:178 Resp: 3265969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.2 | 22.8 |
| 179 | 15.5 | 12.6 | 18.8 |






#73
Carbazole
Concen: 39.079 ng
RT: 17.616 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

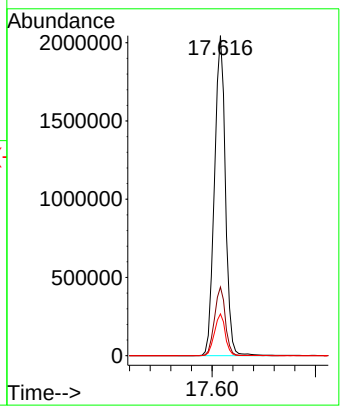
Tgt Ion:167 Resp: 300014

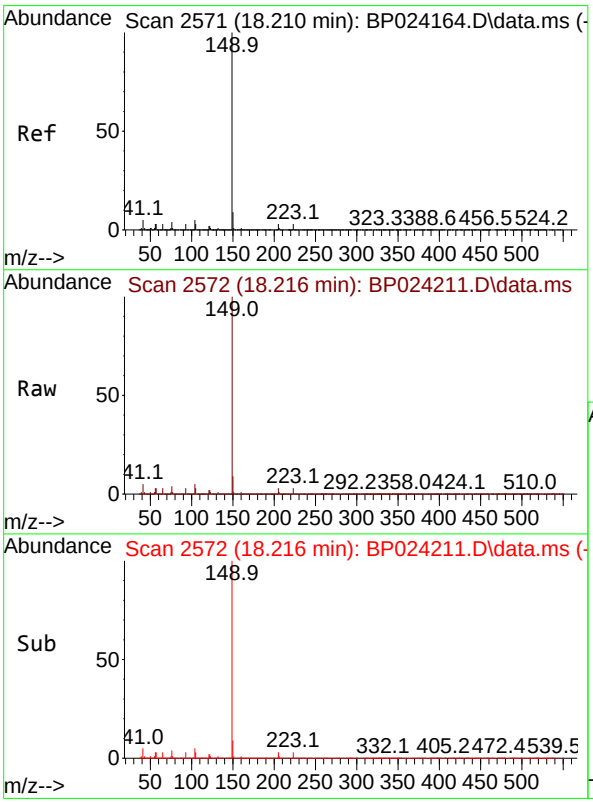
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.4 | 17.1 | 25.7 |
| 139 | 13.0 | 10.2 | 15.4 |

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

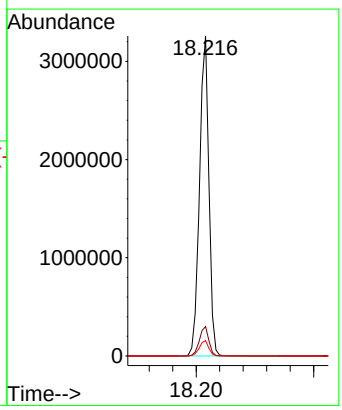


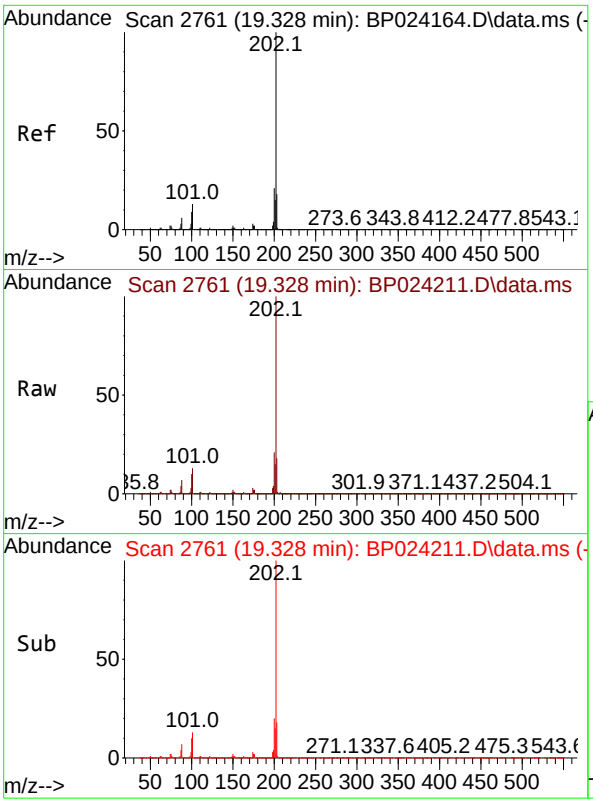




#74
Di-n-butylphthalate
Concen: 39.357 ng
RT: 18.216 min Scan# 2572
Delta R.T. 0.006 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:149 Resp: 3586861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.6 | 11.4 |
| 104 | 4.8 | 3.9 | 5.9 |

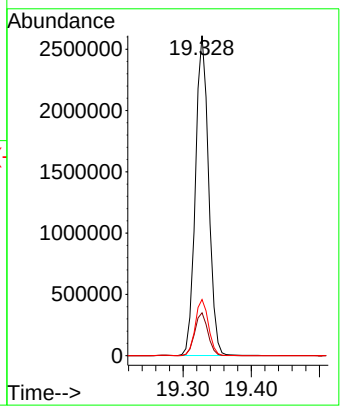





#75
Fluoranthene
Concen: 36.976 ng
RT: 19.328 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:202 Resp: 350024

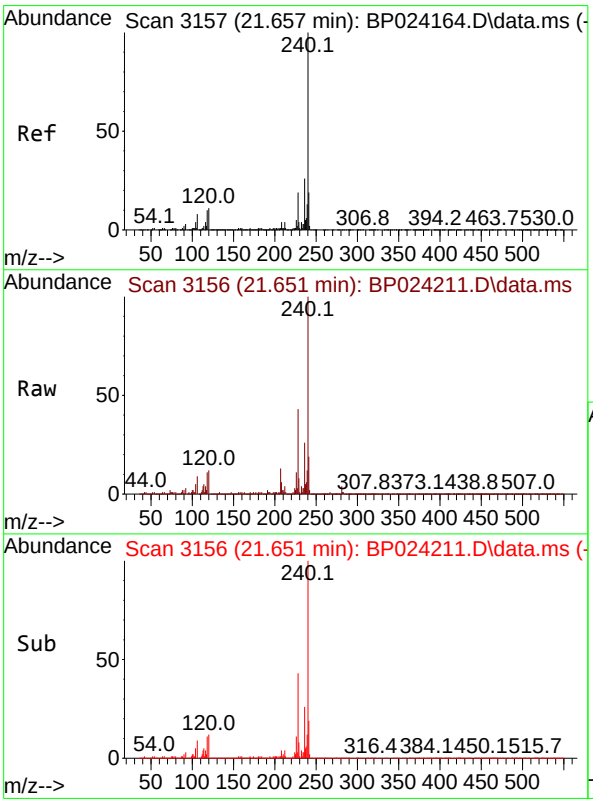
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.4 | 0.0 | 32.5 |
| 203 | 17.6 | 0.0 | 37.9 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**

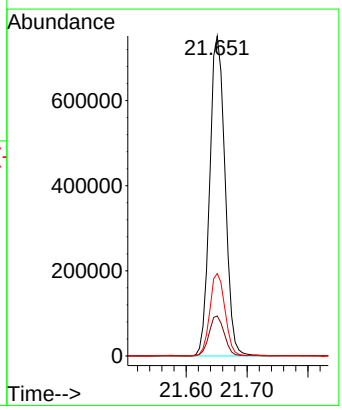
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

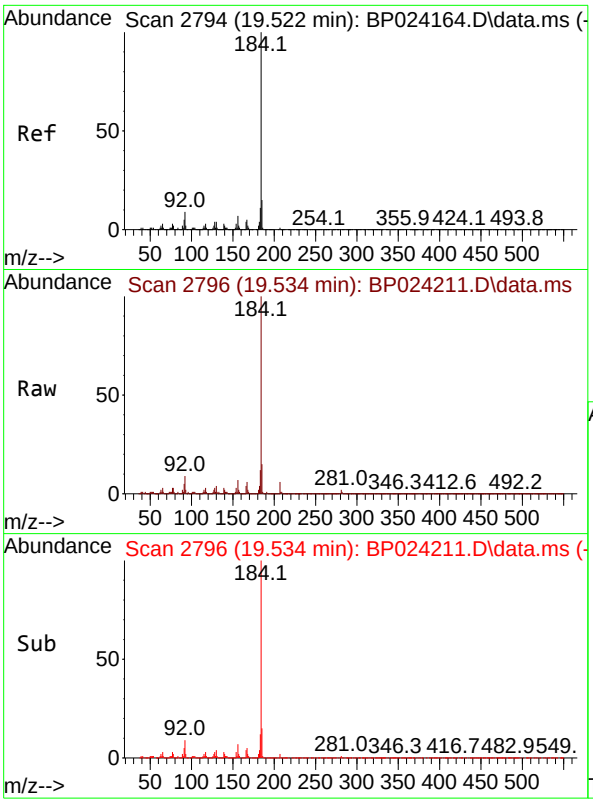



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.651 min Scan# 3156
Delta R.T. -0.006 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:240 Resp: 1314875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.5 | 9.2 | 13.8 |
| 236 | 25.7 | 20.4 | 30.6 |

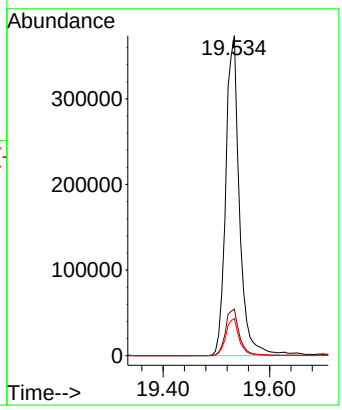





#77
Benzidine
Concen: 46.154 ng
RT: 19.534 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:184 Resp: 66351

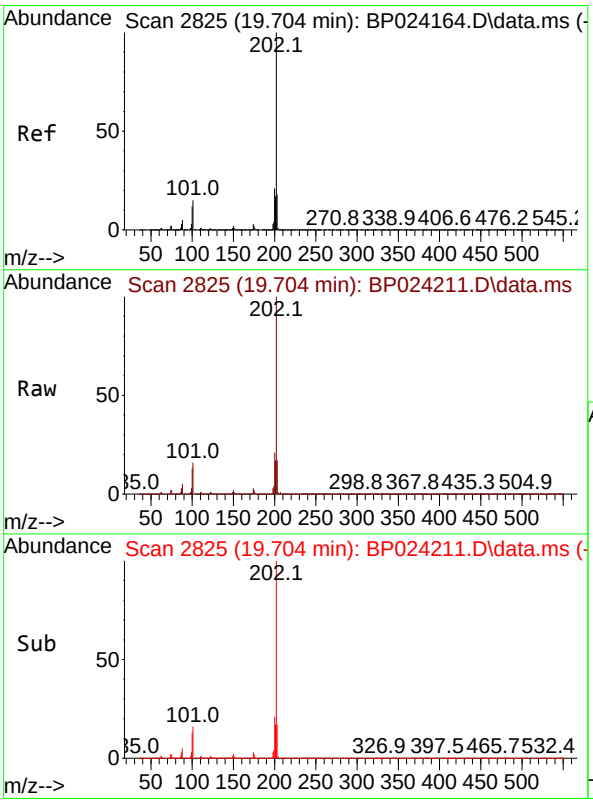
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.6 | 11.8 | 17.6 |
| 183 | 11.6 | 9.1 | 13.7 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

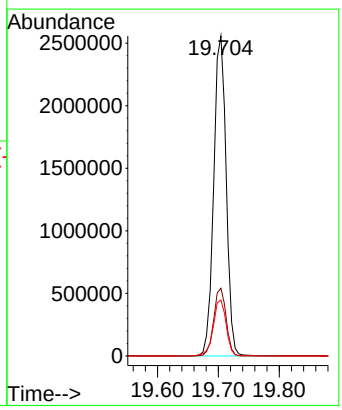
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

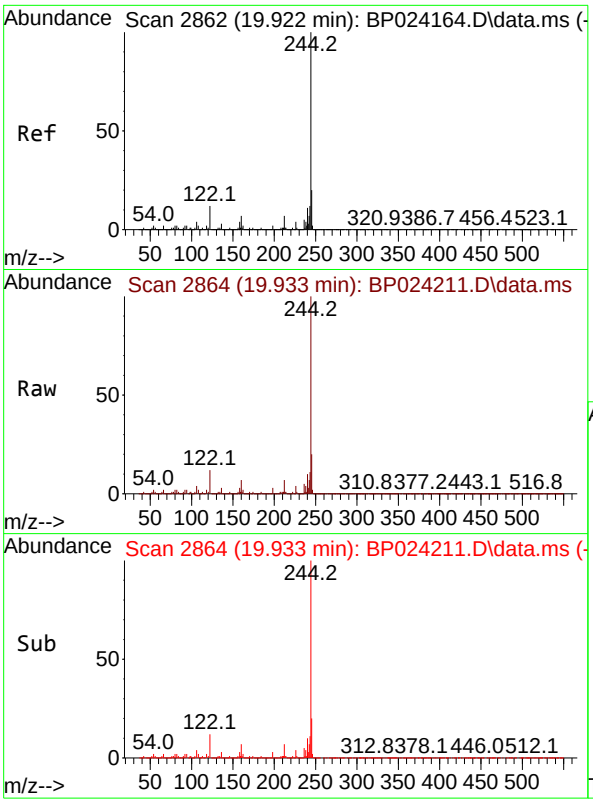



#78
Pyrene
Concen: 44.402 ng
RT: 19.704 min Scan# 2825
Delta R.T. 0.000 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:202 Resp: 3629606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 17.1 | 25.7 |
| 203 | 17.5 | 14.2 | 21.4 |

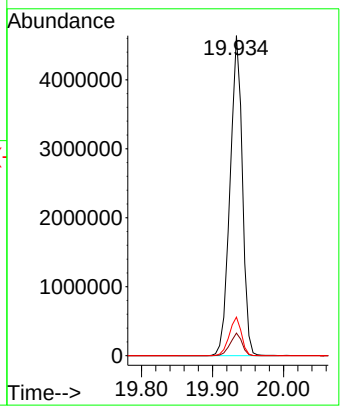





#79
Terphenyl-d14
Concen: 87.742 ng
RT: 19.933 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:244 Resp: 558902

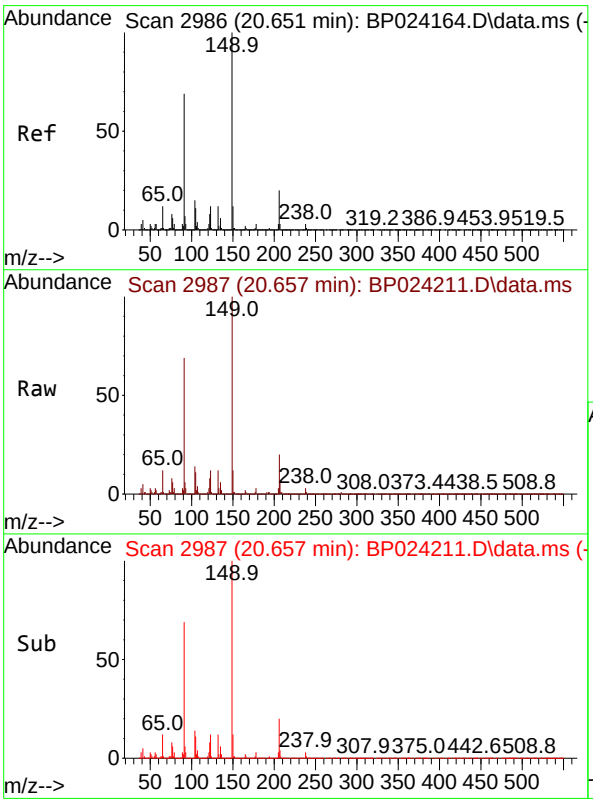
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.7 | 8.5 |
| 122 | 12.1 | 9.6 | 14.4 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

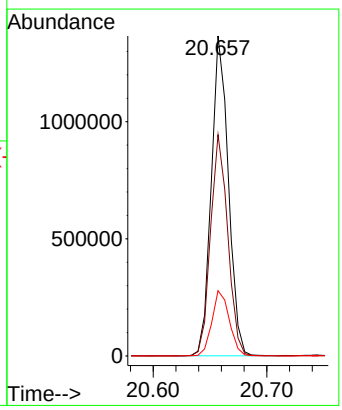
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

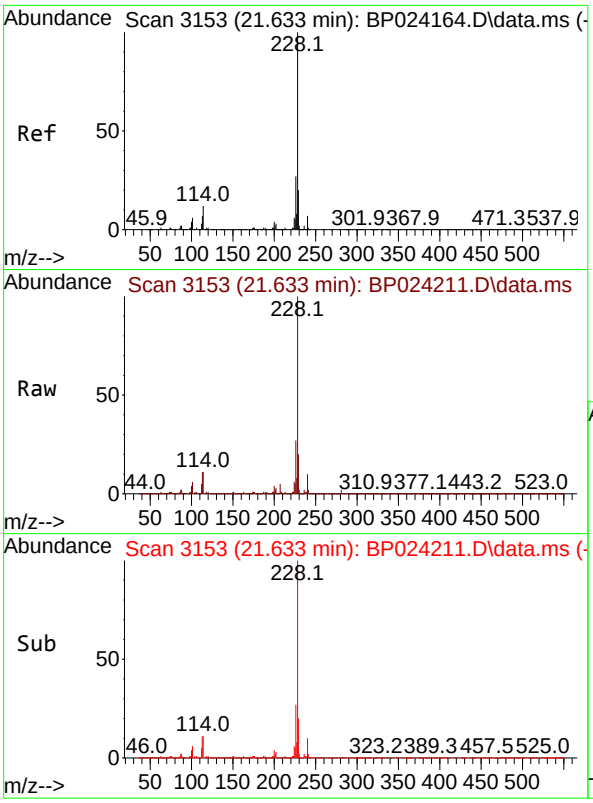



#80
Butylbenzylphthalate
Concen: 42.284 ng
RT: 20.657 min Scan# 2987
Delta R.T. 0.006 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:149 Resp: 1425388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 69.2 | 55.3 | 82.9 |
| 206 | 20.4 | 16.1 | 24.1 |

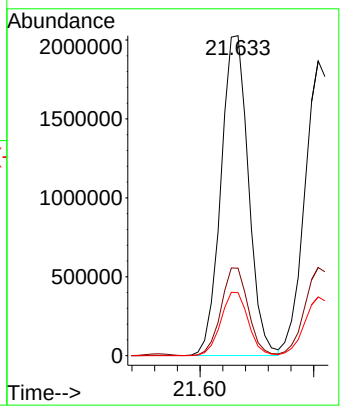





#81
Benzo(a)anthracene
Concen: 41.743 ng
RT: 21.633 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:228 Resp: 341241

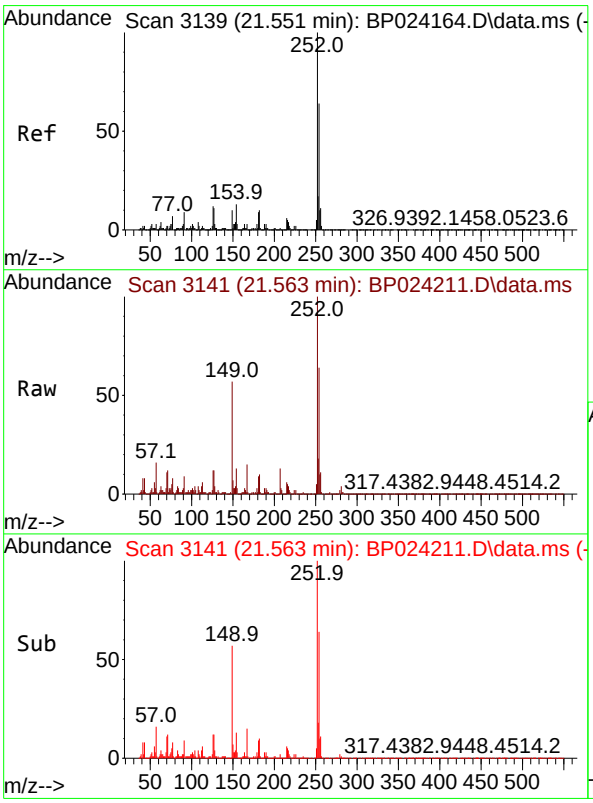
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.4 | 21.8 | 32.8 |
| 229 | 19.7 | 16.0 | 24.0 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

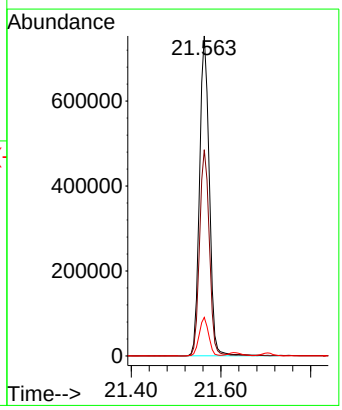
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

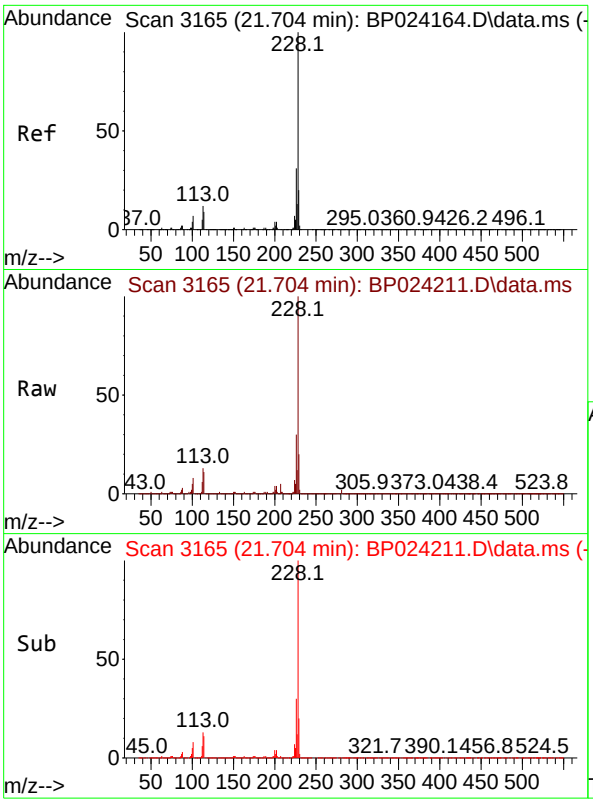



#82
3,3'-Dichlorobenzidine
Concen: 41.580 ng
RT: 21.563 min Scan# 3141
Delta R.T. 0.012 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:252 Resp: 1139237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.4 | 51.4 | 77.2 |
| 126 | 12.0 | 9.3 | 13.9 |

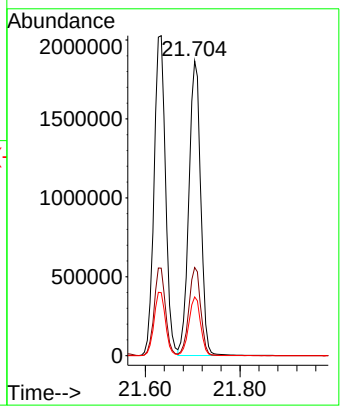





#83
Chrysene
Concen: 41.167 ng
RT: 21.704 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:228 Resp: 323517

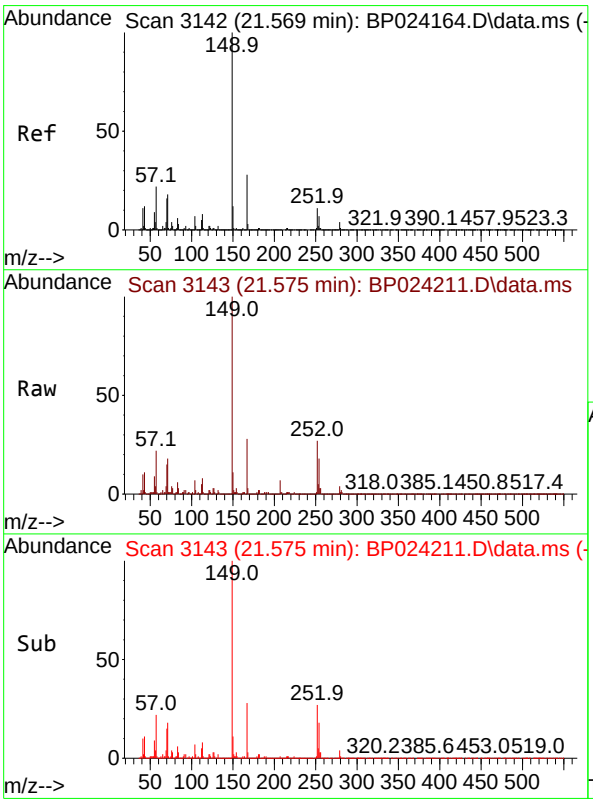
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 24.5 | 36.7 |
| 229 | 19.9 | 16.2 | 24.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

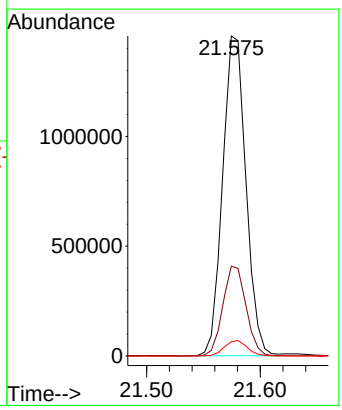
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

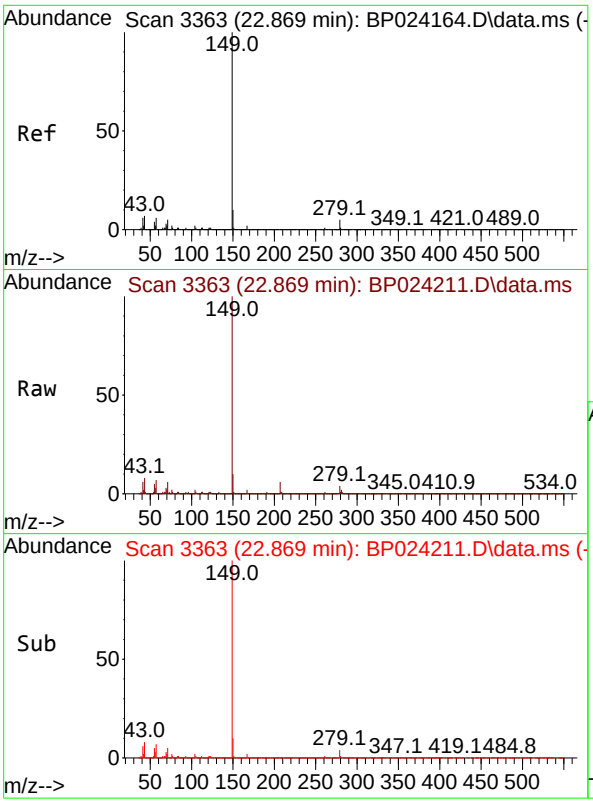



#84
Bis(2-ethylhexyl)phthalate
Concen: 40.864 ng
RT: 21.575 min Scan# 3143
Delta R.T. 0.006 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:149 Resp: 2078574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.1 | 22.5 | 33.7 |
| 279 | 4.5 | 3.6 | 5.4 |

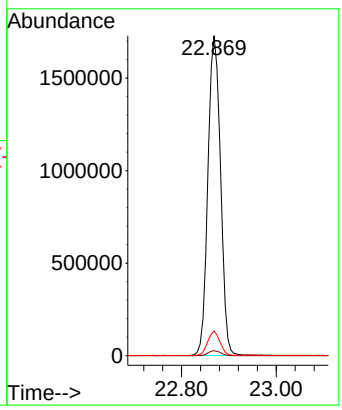





#85
Di-n-octyl phthalate
Concen: 39.264 ng
RT: 22.869 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:149 Resp: 319993

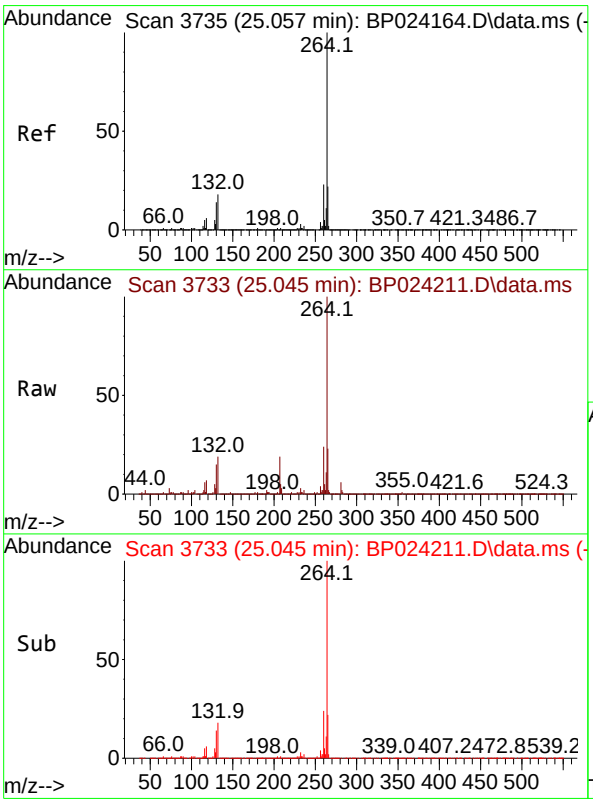
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.3 | 1.9 |
| 43 | 7.5 | 5.8 | 8.8 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

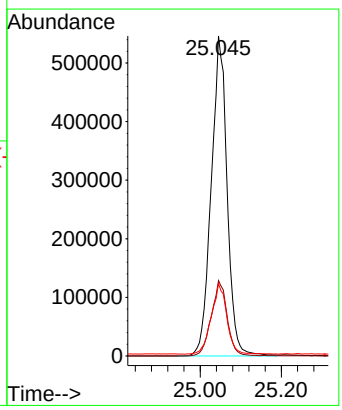
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

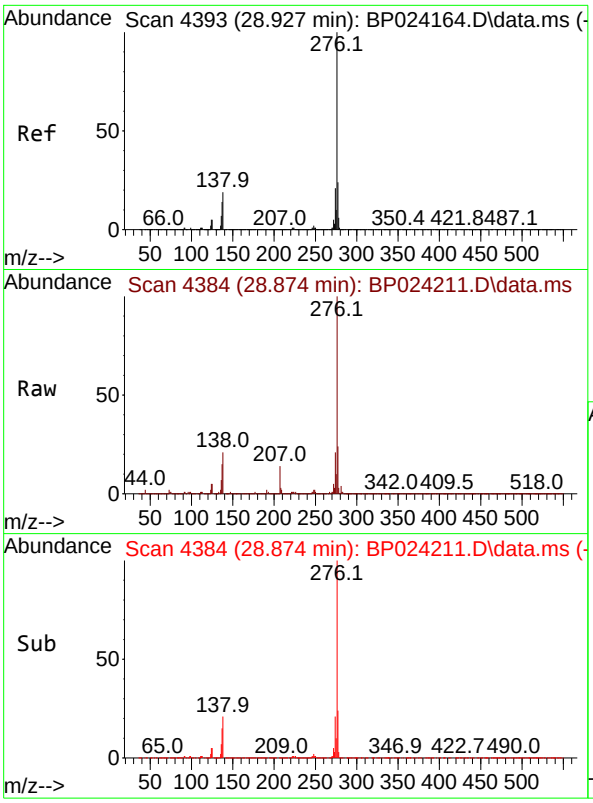



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.045 min Scan# 3733
Delta R.T. -0.012 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:264 Resp: 1482251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 18.5 | 27.7 |
| 265 | 22.7 | 17.7 | 26.5 |

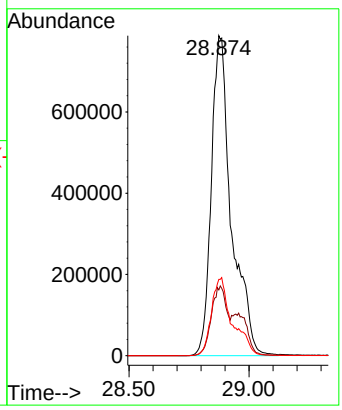





#87
Indeno(1,2,3-cd)pyrene
Concen: 44.328 ng
RT: 28.874 min Scan# 4
Delta R.T. -0.053 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:276 Resp: 458575

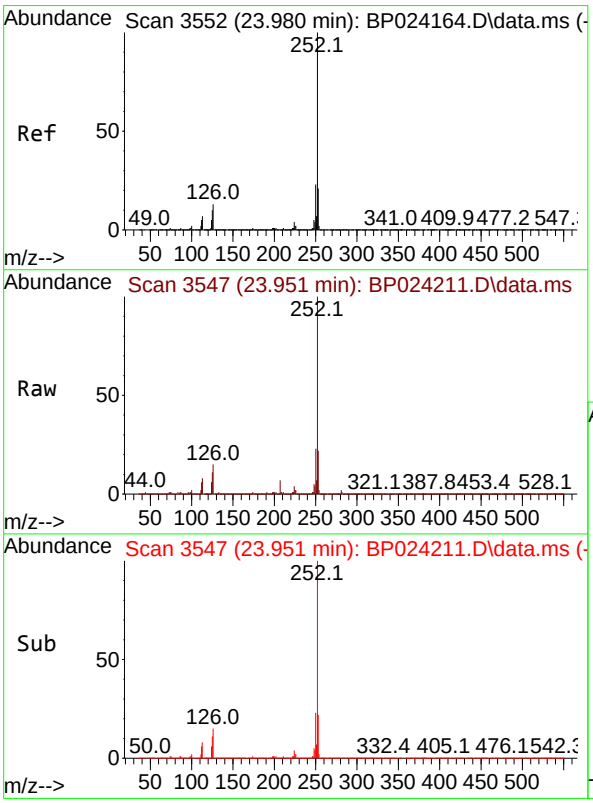
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.9 | 13.7 | 20.5 |
| 277 | 25.3 | 20.2 | 30.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

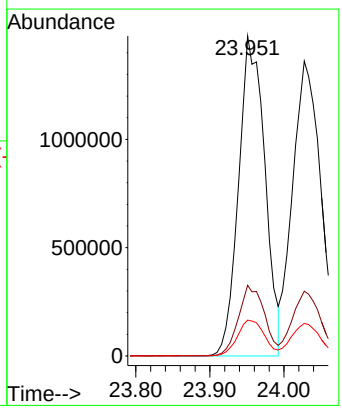
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

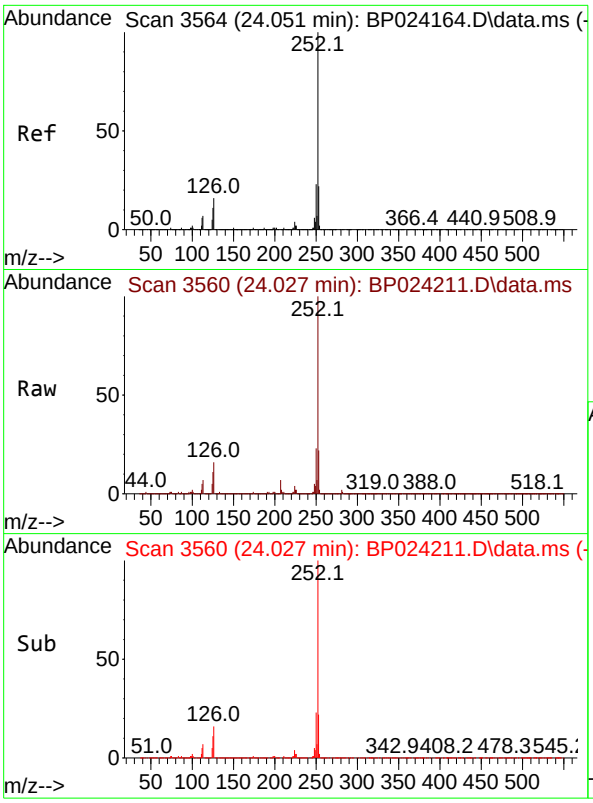



#88
Benzo(b)fluoranthene
Concen: 40.620 ng
RT: 23.951 min Scan# 3547
Delta R.T. -0.029 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:252 Resp: 3630246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.2 | 25.8 |
| 125 | 11.2 | 8.2 | 12.4 |






#89
Benzo(k)fluoranthene
Concen: 41.392 ng
RT: 24.027 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

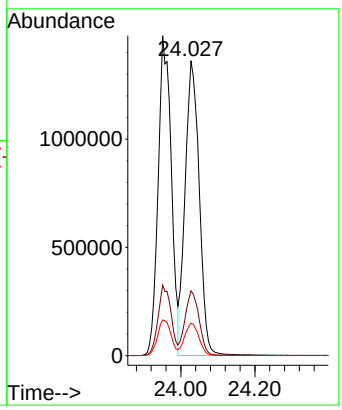
Tgt Ion:252 Resp: 361854

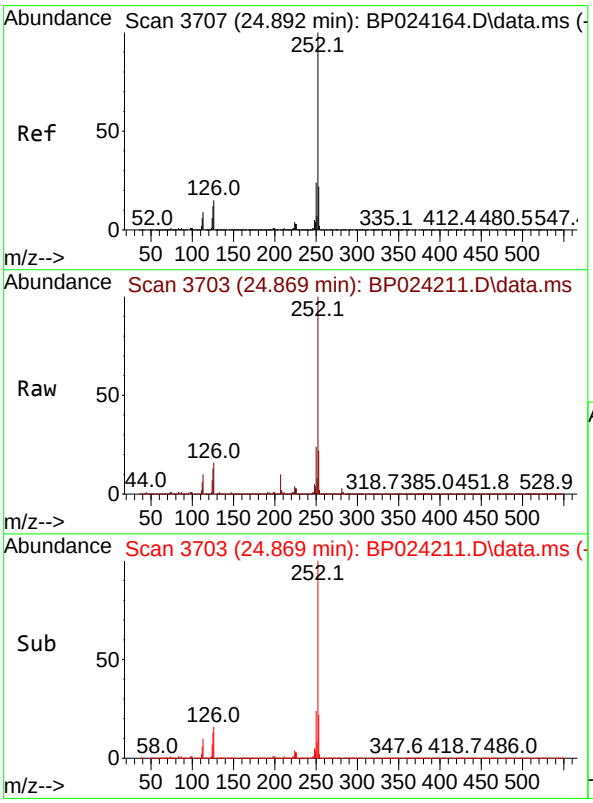
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.7 | 26.5 |
| 125 | 11.0 | 9.1 | 13.7 |

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

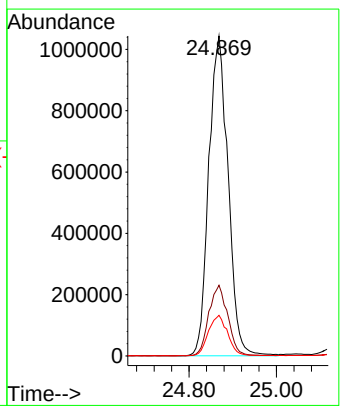


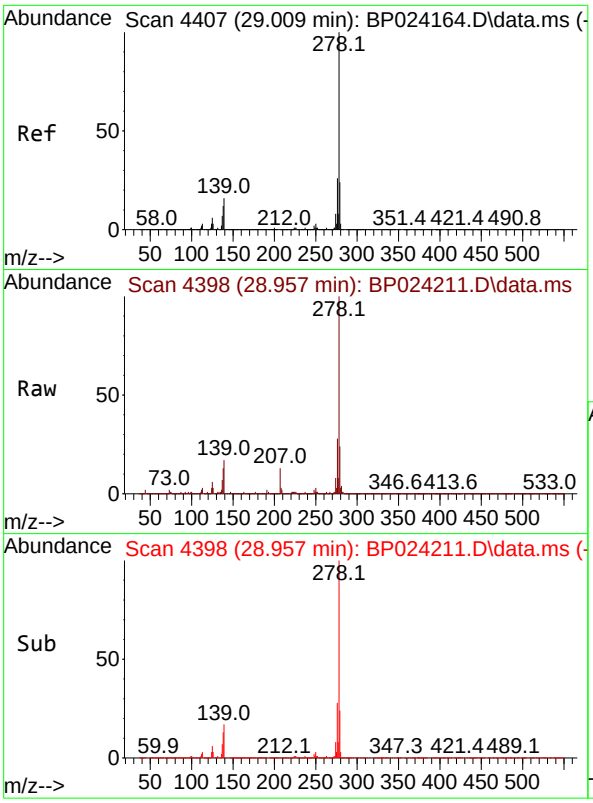




#90
Benzo(a)pyrene
Concen: 41.128 ng
RT: 24.869 min Scan# 3703
Delta R.T. -0.023 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:252 Resp: 3196190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.4 | 26.0 |
| 125 | 12.7 | 9.6 | 14.4 |

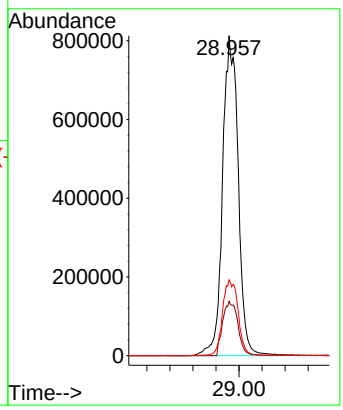





#91
Dibenzo(a,h)anthracene
Concen: 44.420 ng
RT: 28.957 min Scan# 4
Delta R.T. -0.053 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:278 Resp: 382302

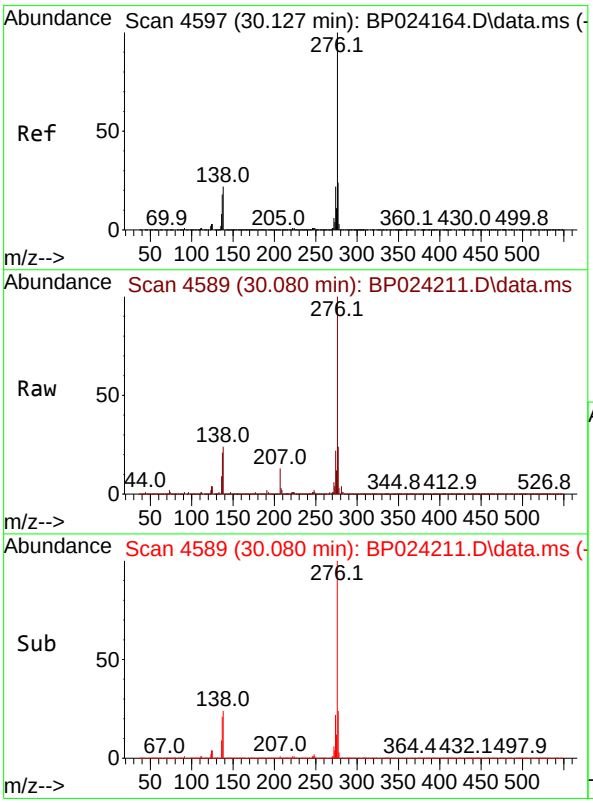
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.0 | 13.0 | 19.4 |
| 279 | 23.7 | 18.8 | 28.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

**Manual Integrations**
**APPROVED**

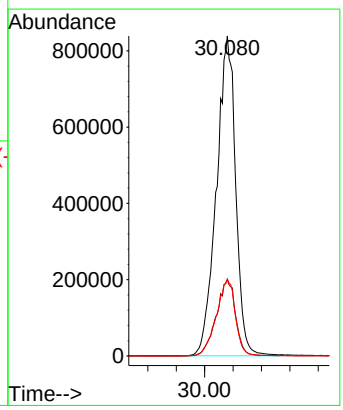
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025




#92
Benzo(g,h,i)perylene
Concen: 45.033 ng
RT: 30.080 min Scan# 4589
Delta R.T. -0.047 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:276 Resp: 3939846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 19.2 | 28.8 |
| 138 | 24.1 | 17.4 | 26.2 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024211.D
Acq On : 08 Apr 2025 13:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Apr 08 14:08:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 109 | -0.03 |
| 2 | | 1,4-Dioxane | 0.497 | 0.534 | -7.4 | 124 | -0.02 |
| 3 | | Pyridine | 1.358 | 1.363 | -0.4 | 113 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.454 | 0.464 | -2.2 | 117 | -0.02 |
| 5 | S | 2-Fluorophenol | 1.253 | 1.293 | -3.2 | 116 | -0.03 |
| 6 | | Aniline | 1.527 | 1.476 | 3.3 | 108 | -0.04 |
| 7 | S | Phenol-d6 | 1.675 | 1.657 | 1.1 | 111 | -0.03 |
| 8 | | 2-Chlorophenol | 1.353 | 1.351 | 0.1 | 113 | -0.04 |
| 9 | | Benzaldehyde | 0.809 | 0.860 | -6.3 | 120 | -0.03 |
| 10 | C | Phenol | 1.691 | 1.666 | 1.5 | 112 | -0.03 |
| 11 | | bis(2-Chloroethyl)ether | 1.334 | 1.321 | 1.0 | 113 | -0.03 |
| 12 | | 1,3-Dichlorobenzene | 1.459 | 1.463 | -0.3 | 115 | -0.04 |
| 13 | C | 1,4-Dichlorobenzene | 1.490 | 1.487 | 0.2 | 115 | -0.04 |
| 14 | | 1,2-Dichlorobenzene | 1.430 | 1.404 | 1.8 | 113 | -0.04 |
| 15 | | Benzyl Alcohol | 1.061 | 1.028 | 3.1 | 108 | -0.04 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.361 | 1.388 | -2.0 | 117 | -0.04 |
| 17 | | 2-Methylphenol | 1.061 | 1.032 | 2.7 | 108 | -0.04 |
| 18 | | Hexachloroethane | 0.529 | 0.536 | -1.3 | 115 | -0.04 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.972 | 0.939 | 3.4 | 106 | -0.04 |
| 20 | | 3+4-Methylphenols | 1.457 | 1.405 | 3.6 | 107 | -0.04 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 104 | -0.04 |
| 22 | | Acetophenone | 0.506 | 0.507 | -0.2 | 106 | -0.04 |
| 23 | S | Nitrobenzene-d5 | 0.354 | 0.367 | -3.7 | 109 | -0.04 |
| 24 | | Nitrobenzene | 0.350 | 0.361 | -3.1 | 110 | -0.04 |
| 25 | | Isophorone | 0.608 | 0.611 | -0.5 | 105 | -0.04 |
| 26 | C | 2-Nitrophenol | 0.167 | 0.173 | -3.6 | 105 | -0.04 |
| 27 | | 2,4-Dimethylphenol | 0.215 | 0.216 | -0.5 | 104 | -0.04 |
| 28 | | bis(2-Chloroethoxy)methane | 0.427 | 0.432 | -1.2 | 108 | -0.04 |
| 29 | C | 2,4-Dichlorophenol | 0.291 | 0.296 | -1.7 | 104 | -0.04 |
| 30 | | 1,2,4-Trichlorobenzene | 0.321 | 0.324 | -0.9 | 108 | -0.04 |
| 31 | | Naphthalene | 1.060 | 1.066 | -0.6 | 108 | -0.04 |
| 32 | | Benzoic acid | 0.209 | 0.204 | 2.4 | 97 | -0.03 |
| 33 | | 4-Chloroaniline | 0.379 | 0.368 | 2.9 | 102 | -0.03 |
| 34 | C | Hexachlorobutadiene | 0.185 | 0.187 | -1.1 | 108 | -0.04 |
| 35 | | Caprolactam | 0.095 | 0.087 | 8.4 | 93 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 0.313 | 0.309 | 1.3 | 102 | -0.03 |
| 37 | | 2-Methylnaphthalene | 0.716 | 0.703 | 1.8 | 104 | -0.02 |
| 38 | | 1-Methylnaphthalene | 0.697 | 0.682 | 2.2 | 105 | -0.04 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 95 | -0.02 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.578 | 0.604 | -4.5 | 103 | -0.03 |
| 41 | P | Hexachlorocyclopentadiene | 0.208 | 0.219 | -5.3 | 98 | -0.02 |
| 42 | S | 2,4,6-Tribromophenol | 0.252 | 0.242 | 4.0 | 91 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.367 | 0.388 | -5.7 | 99 | -0.03 |
| 44 | | 2,4,5-Trichlorophenol | 0.403 | 0.415 | -3.0 | 97 | -0.02 |
| 45 | S | 2-Fluorobiphenyl | 1.356 | 1.391 | -2.6 | 100 | -0.02 |
| 46 | | 1,1'-Biphenyl | 1.503 | 1.560 | -3.8 | 101 | -0.02 |
| 47 | | 2-Chloronaphthalene | 1.130 | 1.166 | -3.2 | 101 | -0.02 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024211.D
Acq On : 08 Apr 2025 13:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Apr 08 14:08:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 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 | 0.289 | 0.309 | -6.9 | 100 | -0.02 |
| 49 | | Acenaphthylene | 1.710 | 1.779 | -4.0 | 102 | -0.02 |
| 50 | | Dimethylphthalate | 1.399 | 1.363 | 2.6 | 95 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 0.294 | 0.296 | -0.7 | 96 | -0.02 |
| 52 | C | Acenaphthene | 1.093 | 1.197 | -9.5 | 107 | -0.02 |
| 53 | | 3-Nitroaniline | 0.318 | 0.311 | 2.2 | 92 | -0.02 |
| 54 | P | 2,4-Dinitrophenol | 0.156 | 0.149 | 4.5 | 89 | -0.02 |
| 55 | | Dibenzofuran | 1.770 | 1.778 | -0.5 | 99 | -0.02 |
| 56 | P | 4-Nitrophenol | 0.266 | 0.248 | 6.8 | 85 | -0.02 |
| 57 | | 2,4-Dinitrotoluene | 0.389 | 0.382 | 1.8 | 92 | -0.02 |
| 58 | | Fluorene | 1.379 | 1.354 | 1.8 | 96 | -0.01 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.356 | 0.348 | 2.2 | 93 | -0.02 |
| 60 | | Diethylphthalate | 1.394 | 1.345 | 3.5 | 94 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.676 | 0.666 | 1.5 | 96 | 0.00 |
| 62 | | 4-Nitroaniline | 0.334 | 0.311 | 6.9 | 86 | 0.00 |
| 63 | | Azobenzene | 1.314 | 1.354 | -3.0 | 100 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.119 | 0.119 | 0.0 | 86 | -0.01 |
| 66 | c | n-Nitrosodiphenylamine | 0.607 | 0.655 | -7.9 | 95 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.220 | 0.237 | -7.7 | 95 | 0.00 |
| 68 | | Hexachlorobenzene | 0.260 | 0.273 | -5.0 | 94 | 0.00 |
| 69 | | Atrazine | 0.147 | 0.100 | 32.0# | 64 | 0.00 |
| 70 | C | Pentachlorophenol | 0.168 | 0.176 | -4.8 | 86 | 0.00 |
| 71 | | Phenanthrene | 1.093 | 1.105 | -1.1 | 89 | 0.00 |
| 72 | | Anthracene | 1.064 | 1.091 | -2.5 | 89 | 0.00 |
| 73 | | Carbazole | 1.026 | 1.003 | 2.2 | 84 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.218 | 1.199 | 1.6 | 83 | 0.00 |
| 75 | C | Fluoranthene | 1.265 | 1.170 | 7.5 | 80 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 70 | 0.00 |
| 77 | | Benzidine | 0.219 | 0.252 | -15.1 | 68 | 0.01 |
| 78 | | Pyrene | 1.243 | 1.380 | -11.0 | 80 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.969 | 1.063 | -9.7 | 78 | 0.01 |
| 80 | | Butylbenzylphthalate | 0.513 | 0.542 | -5.7 | 72 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.243 | 1.298 | -4.4 | 75 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.417 | 0.433 | -3.8 | 71 | 0.01 |
| 83 | | Chrysene | 1.195 | 1.230 | -2.9 | 74 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.774 | 0.790 | -2.1 | 70 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.240 | 1.217 | 1.9 | 67 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 73 | -0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.396 | 1.547 | -10.8 | 82 | -0.05 |
| 88 | | Benzo(b)fluoranthene | 1.206 | 1.225 | -1.6 | 75 | -0.03 |
| 89 | | Benzo(k)fluoranthene | 1.180 | 1.221 | -3.5 | 78 | -0.02 |
| 90 | C | Benzo(a)pyrene | 1.049 | 1.078 | -2.8 | 76 | -0.02 |
| 91 | | Dibenzo(a,h)anthracene | 1.161 | 1.290 | -11.1 | 82 | -0.05 |
| 92 | | Benzo(g,h,i)perylene | 1.180 | 1.329 | -12.6 | 84 | -0.05 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024211.D
Acq On : 08 Apr 2025 13:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Apr 08 14:08:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 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\BP040825\
Data File : BP024211.D
Acq On : 08 Apr 2025 13:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Apr 08 14:08:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 109 | -0.03 |
| 2 | | 1,4-Dioxane | 40.000 | 43.047 | -7.6 | 124 | -0.02 |
| 3 | | Pyridine | 40.000 | 40.164 | -0.4 | 113 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 40.895 | -2.2 | 117 | -0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 82.554 | -3.2 | 116 | -0.03 |
| 6 | | Aniline | 40.000 | 38.677 | 3.3 | 108 | -0.04 |
| 7 | S | Phenol-d6 | 80.000 | 79.095 | 1.1 | 111 | -0.03 |
| 8 | | 2-Chlorophenol | 40.000 | 39.918 | 0.2 | 113 | -0.04 |
| 9 | | Benzaldehyde | 40.000 | 42.530 | -6.3 | 120 | -0.03 |
| 10 | C | Phenol | 40.000 | 39.401 | 1.5 | 112 | -0.03 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.629 | 0.9 | 113 | -0.03 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.107 | -0.3 | 115 | -0.04 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.910 | 0.2 | 115 | -0.04 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.263 | 1.8 | 113 | -0.04 |
| 15 | | Benzyl Alcohol | 40.000 | 38.780 | 3.0 | 108 | -0.04 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.798 | -2.0 | 117 | -0.04 |
| 17 | | 2-Methylphenol | 40.000 | 38.925 | 2.7 | 108 | -0.04 |
| 18 | | Hexachloroethane | 40.000 | 40.550 | -1.4 | 115 | -0.04 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.622 | 3.4 | 106 | -0.04 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.565 | 3.6 | 107 | -0.04 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 104 | -0.04 |
| 22 | | Acetophenone | 40.000 | 40.130 | -0.3 | 106 | -0.04 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 82.938 | -3.7 | 109 | -0.04 |
| 24 | | Nitrobenzene | 40.000 | 41.315 | -3.3 | 110 | -0.04 |
| 25 | | Isophorone | 40.000 | 40.232 | -0.6 | 105 | -0.04 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.396 | -3.5 | 105 | -0.04 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.194 | -0.5 | 104 | -0.04 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.436 | -1.1 | 108 | -0.04 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.695 | -1.7 | 104 | -0.04 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.425 | -1.1 | 108 | -0.04 |
| 31 | | Naphthalene | 40.000 | 40.209 | -0.5 | 108 | -0.04 |
| 32 | | Benzoic acid | 40.000 | 38.975 | 2.6 | 97 | -0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 38.833 | 2.9 | 102 | -0.03 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.450 | -1.1 | 108 | -0.04 |
| 35 | | Caprolactam | 40.000 | 36.348 | 9.1 | 93 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.442 | 1.4 | 102 | -0.03 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.235 | 1.9 | 104 | -0.02 |
| 38 | | 1-Methylnaphthalene | 40.000 | 39.157 | 2.1 | 105 | -0.04 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 95 | -0.02 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.799 | -4.5 | 103 | -0.03 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 42.069 | -5.2 | 98 | -0.02 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 76.789 | 4.0 | 91 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 42.283 | -5.7 | 99 | -0.03 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 41.234 | -3.1 | 97 | -0.02 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 82.015 | -2.5 | 100 | -0.02 |
| 46 | | 1,1'-Biphenyl | 40.000 | 41.516 | -3.8 | 101 | -0.02 |
| 47 | | 2-Chloronaphthalene | 40.000 | 41.252 | -3.1 | 101 | -0.02 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024211.D
Acq On : 08 Apr 2025 13:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Apr 08 14:08:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 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 | 42.683 | -6.7 | 100 | -0.02 |
| 49 | | Acenaphthylene | 40.000 | 41.603 | -4.0 | 102 | -0.02 |
| 50 | | Dimethylphthalate | 40.000 | 38.950 | 2.6 | 95 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 40.278 | -0.7 | 96 | -0.02 |
| 52 | C | Acenaphthene | 40.000 | 43.825 | -9.6 | 107 | -0.02 |
| 53 | | 3-Nitroaniline | 40.000 | 39.066 | 2.3 | 92 | -0.02 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 38.187 | 4.5 | 89 | -0.02 |
| 55 | | Dibenzofuran | 40.000 | 40.164 | -0.4 | 99 | -0.02 |
| 56 | P | 4-Nitrophenol | 40.000 | 37.289 | 6.8 | 85 | -0.02 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 39.285 | 1.8 | 92 | -0.02 |
| 58 | | Fluorene | 40.000 | 39.253 | 1.9 | 96 | -0.01 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.095 | 2.3 | 93 | -0.02 |
| 60 | | Diethylphthalate | 40.000 | 38.612 | 3.5 | 94 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 39.353 | 1.6 | 96 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 37.337 | 6.7 | 86 | 0.00 |
| 63 | | Azobenzene | 40.000 | 41.241 | -3.1 | 100 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 87 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 40.019 | -0.0 | 86 | -0.01 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 43.144 | -7.9 | 95 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 43.113 | -7.8 | 95 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 42.056 | -5.1 | 94 | 0.00 |
| 69 | | Atrazine | 40.000 | 27.317 | 31.7# | 64 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 41.875 | -4.7 | 86 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 40.470 | -1.2 | 89 | 0.00 |
| 72 | | Anthracene | 40.000 | 41.026 | -2.6 | 89 | 0.00 |
| 73 | | Carbazole | 40.000 | 39.079 | 2.3 | 84 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 39.357 | 1.6 | 83 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 36.976 | 7.6 | 80 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 70 | 0.00 |
| 77 | | Benzidine | 40.000 | 46.154 | -15.4 | 68 | 0.01 |
| 78 | | Pyrene | 40.000 | 44.402 | -11.0 | 80 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 87.742 | -9.7 | 78 | 0.01 |
| 80 | | Butylbenzylphthalate | 40.000 | 42.284 | -5.7 | 72 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 41.743 | -4.4 | 75 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 41.580 | -3.9 | 71 | 0.01 |
| 83 | | Chrysene | 40.000 | 41.167 | -2.9 | 74 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.864 | -2.2 | 70 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 39.264 | 1.8 | 67 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 73 | -0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 44.328 | -10.8 | 82 | -0.05 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 40.620 | -1.5 | 75 | -0.03 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 41.392 | -3.5 | 78 | -0.02 |
| 90 | C | Benzo(a)pyrene | 40.000 | 41.128 | -2.8 | 76 | -0.02 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 44.420 | -11.1 | 82 | -0.05 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 45.033 | -12.6 | 84 | -0.05 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024211.D
Acq On : 08 Apr 2025 13:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Apr 08 14:08:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 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: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG No.: Q1730

Instrument ID: BNA_P Calibration Date/Time: 04/08/2025 23:54

Lab File ID: BP024226.D Init. Calib. Date(s): 03/12/2025 03/12/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 16:17 21:02

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Fluorophenol | 1.253 | 1.286 | | 2.6 | 50.0 |
| Phenol-d6 | 1.675 | 1.601 | | -4.4 | 50.0 |
| Nitrobenzene-d5 | 0.354 | 0.369 | | 4.2 | 50.0 |
| Naphthalene | 1.060 | 1.067 | | 0.7 | 50.0 |
| 2-Methylnaphthalene | 0.716 | 0.711 | | -0.7 | 50.0 |
| 2-Fluorobiphenyl | 1.356 | 1.367 | | 0.8 | 50.0 |
| Acenaphthylene | 1.710 | 1.779 | | 4.0 | 50.0 |
| Acenaphthene | 1.093 | 1.114 | | 1.9 | 50.0 |
| Fluorene | 1.379 | 1.388 | | 0.7 | 50.0 |
| 2,4,6-Tribromophenol | 0.252 | 0.261 | | 3.6 | 50.0 |
| Phenanthrene | 1.093 | 1.093 | | 0.0 | 50.0 |
| Anthracene | 1.064 | 1.108 | | 4.1 | 50.0 |
| Fluoranthene | 1.265 | 1.334 | | 5.5 | 50.0 |
| Pyrene | 1.243 | 1.283 | | 3.2 | 50.0 |
| Terphenyl-d14 | 0.969 | 0.991 | | 2.3 | 50.0 |
| Benzo(a)anthracene | 1.243 | 1.289 | | 3.7 | 50.0 |
| Chrysene | 1.195 | 1.216 | | 1.8 | 50.0 |
| Benzo(b)fluoranthene | 1.206 | 1.235 | | 2.4 | 50.0 |
| Benzo(k)fluoranthene | 1.180 | 1.182 | | 0.2 | 50.0 |
| Benzo(a)pyrene | 1.049 | 1.079 | | 2.9 | 50.0 |
| Indeno(1,2,3-cd)pyrene | 1.396 | 1.421 | | 1.8 | 50.0 |
| Dibenzo(a,h)anthracene | 1.161 | 1.180 | | 1.6 | 50.0 |
| Benzo(g,h,i)perylene | 1.180 | 1.189 | | 0.8 | 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\BP040825\
Data File : BP024226.D
Acq On : 08 Apr 2025 23:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Quant Time: Apr 09 01:04:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.740 | 152 | 424628 | 20.000 | ng | | -0.03 |
| 21) Naphthalene-d8 | 10.522 | 136 | 1560137 | 20.000 | ng | | -0.03 |
| 39) Acenaphthene-d10 | 14.375 | 164 | 891224 | 20.000 | ng | | -0.03 |
| 64) Phenanthrene-d10 | 17.181 | 188 | 1662194 | 20.000 | ng | | -0.02 |
| 76) Chrysene-d12 | 21.639 | 240 | 1816390 | 20.000 | ng | | -0.02 |
| 86) Perylene-d12 | 25.021 | 264 | 2095753 | 20.000 | ng | | -0.04 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.358 | 112 | 2184691 | 82.128 | ng | | -0.02 |
| 7) Phenol-d6 | 6.922 | 99 | 2718654 | 76.426 | ng | | -0.03 |
| 23) Nitrobenzene-d5 | 8.893 | 82 | 2305504 | 83.377 | ng | | -0.03 |
| 42) 2,4,6-Tribromophenol | 15.893 | 330 | 930305 | 82.870 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 12.993 | 172 | 4873019 | 80.624 | ng | | -0.02 |
| 79) Terphenyl-d14 | 19.910 | 244 | 7203280 | 81.861 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.299 | 88 | 451814 | 42.849 | ng | | 98 |
| 3) Pyridine | 3.693 | 79 | 1156342 | 40.115 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.605 | 42 | 377443 | 39.198 | ng | | 93 |
| 6) Aniline | 7.081 | 93 | 1206236 | 37.218 | ng | | 99 |
| 8) 2-Chlorophenol | 7.317 | 128 | 1126985 | 39.222 | ng | | 99 |
| 9) Benzaldehyde | 6.893 | 77 | 718590 | 41.860 | ng | | 97 |
| 10) Phenol | 6.952 | 94 | 1363188 | 37.960 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.175 | 93 | 1086996 | 38.384 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.634 | 146 | 1237562 | 39.940 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 7.775 | 146 | 1252207 | 39.581 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.093 | 146 | 1173567 | 38.656 | ng | | 100 |
| 15) Benzyl Alcohol | 7.981 | 79 | 857519 | 38.077 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.269 | 45 | 1139765 | 39.434 | ng | | 98 |
| 17) 2-Methylphenol | 8.187 | 107 | 852048 | 37.837 | ng | | 99 |
| 18) Hexachloroethane | 8.816 | 117 | 456511 | 40.672 | ng | | 100 |
| 19) n-Nitroso-di-n-propyla... | 8.540 | 70 | 764924 | 37.065 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.511 | 107 | 1139804 | 36.842 | ng | | 99 |
| 22) Acetophenone | 8.558 | 105 | 1570038 | 39.805 | ng | # | 99 |
| 24) Nitrobenzene | 8.934 | 77 | 1127741 | 41.342 | ng | | 99 |
| 25) Isophorone | 9.458 | 82 | 1951632 | 41.174 | ng | | 100 |
| 26) 2-Nitrophenol | 9.634 | 139 | 554308 | 42.541 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.699 | 122 | 685922 | 40.939 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 9.934 | 93 | 1372462 | 41.159 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.175 | 162 | 938779 | 41.419 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.387 | 180 | 1029903 | 41.128 | ng | | 99 |
| 31) Naphthalene | 10.569 | 128 | 3329431 | 40.259 | ng | | 100 |
| 32) Benzoic acid | 9.852 | 122 | 681684 | 41.718 | ng | | 98 |
| 33) 4-Chloroaniline | 10.681 | 127 | 1162795 | 39.289 | ng | | 100 |
| 34) Hexachlorobutadiene | 10.858 | 225 | 599236 | 41.579 | ng | | 99 |
| 35) Caprolactam | 11.469 | 113 | 296325 | 39.891 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 11.810 | 107 | 991026 | 40.531 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.181 | 142 | 2218499 | 39.708 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.404 | 142 | 2138642 | 39.355 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.557 | 216 | 1056188 | 40.997 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.534 | 237 | 405015 | 43.613 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.799 | 196 | 696113 | 42.517 | ng | | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024226.D
Acq On : 08 Apr 2025 23:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Quant Time: Apr 09 01:04:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

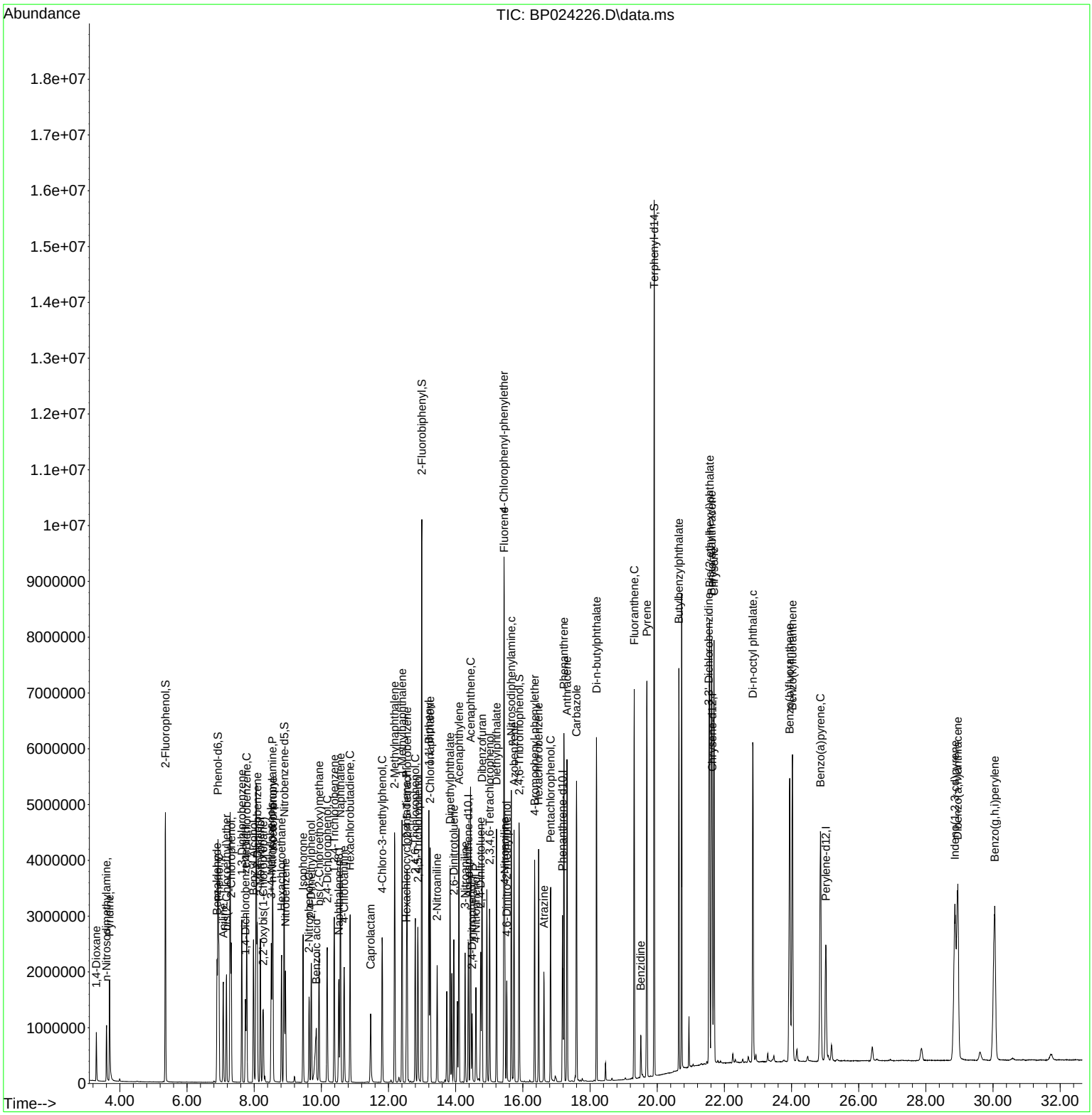
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.875 | 196 | 749745 | 41.756 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.204 | 154 | 2745709 | 40.998 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.240 | 162 | 2051169 | 40.719 | ng | 99 |
| 48) 2-Nitroaniline | 13.446 | 65 | 557492 | 43.269 | ng | 96 |
| 49) Acenaphthylene | 14.099 | 152 | 3171238 | 41.605 | ng | 100 |
| 50) Dimethylphthalate | 13.834 | 163 | 2518565 | 40.387 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.946 | 165 | 548282 | 41.787 | ng | 99 |
| 52) Acenaphthene | 14.446 | 154 | 1985187 | 40.764 | ng | 100 |
| 53) 3-Nitroaniline | 14.281 | 138 | 594175 | 41.928 | ng | 96 |
| 54) 2,4-Dinitrophenol | 14.493 | 184 | 282567 | 40.700 | ng | 99 |
| 55) Dibenzofuran | 14.787 | 168 | 3147389 | 39.898 | ng | 99 |
| 56) 4-Nitrophenol | 14.604 | 139 | 514579 | 43.456 | ng | 99 |
| 57) 2,4-Dinitrotoluene | 14.746 | 165 | 744447 | 42.953 | ng | 99 |
| 58) Fluorene | 15.445 | 166 | 2474519 | 40.261 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.010 | 232 | 646152 | 40.731 | ng | 98 |
| 60) Diethylphthalate | 15.216 | 149 | 2596236 | 41.807 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.440 | 204 | 1208752 | 40.097 | ng | 99 |
| 62) 4-Nitroaniline | 15.463 | 138 | 639560 | 43.029 | ng | 98 |
| 63) Azobenzene | 15.740 | 77 | 2494527 | 42.619 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.522 | 198 | 400468 | 40.583 | ng | 99 |
| 66) n-Nitrosodiphenylamine | 15.657 | 169 | 2092015 | 41.447 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.351 | 248 | 760770 | 41.688 | ng | 98 |
| 68) Hexachlorobenzene | 16.469 | 284 | 868411 | 40.204 | ng | 98 |
| 69) Atrazine | 16.628 | 200 | 355549 | 29.184 | ng | 99 |
| 70) Pentachlorophenol | 16.828 | 266 | 620319 | 44.409 | ng | 99 |
| 71) Phenanthrene | 17.222 | 178 | 3634197 | 40.022 | ng | 100 |
| 72) Anthracene | 17.316 | 178 | 3683868 | 41.654 | ng | 99 |
| 73) Carbazole | 17.598 | 167 | 3599930 | 42.208 | ng | 100 |
| 74) Di-n-butylphthalate | 18.192 | 149 | 4558214 | 45.020 | ng | 100 |
| 75) Fluoranthene | 19.316 | 202 | 4433069 | 42.152 | ng | 98 |
| 77) Benzidine | 19.510 | 184 | 501521 | 25.254 | ng | 100 |
| 78) Pyrene | 19.692 | 202 | 4661555 | 41.281 | ng | 100 |
| 80) Butylbenzylphthalate | 20.645 | 149 | 2147381 | 46.113 | ng | 98 |
| 81) Benzo(a)anthracene | 21.622 | 228 | 4683481 | 41.473 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.539 | 252 | 1669038 | 44.097 | ng | 100 |
| 83) Chrysene | 21.692 | 228 | 4418706 | 40.702 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.563 | 149 | 3269298 | 46.527 | ng | 99 |
| 85) Di-n-octyl phthalate | 22.845 | 149 | 5516405 | 48.999 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.862 | 276 | 5954112 | 40.707 | ng | 98 |
| 88) Benzo(b)fluoranthene | 23.945 | 252 | 5175613 | 40.959 | ng | 97 |
| 89) Benzo(k)fluoranthene | 24.027 | 252 | 4955096 | 40.088 | ng | 99 |
| 90) Benzo(a)pyrene | 24.863 | 252 | 4522649 | 41.160 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.951 | 278 | 4947962 | 40.661 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 30.051 | 276 | 4983919 | 40.290 | ng | 98 |

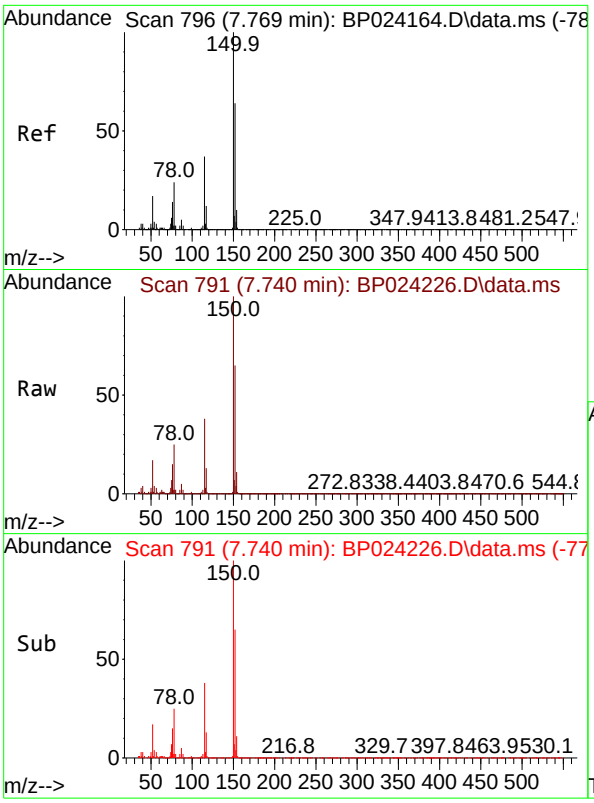
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024226.D
Acq On : 08 Apr 2025 23:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Quant Time: Apr 09 01:04:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration



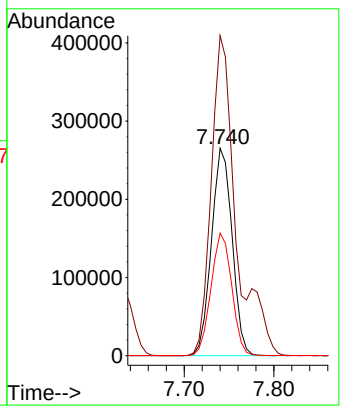


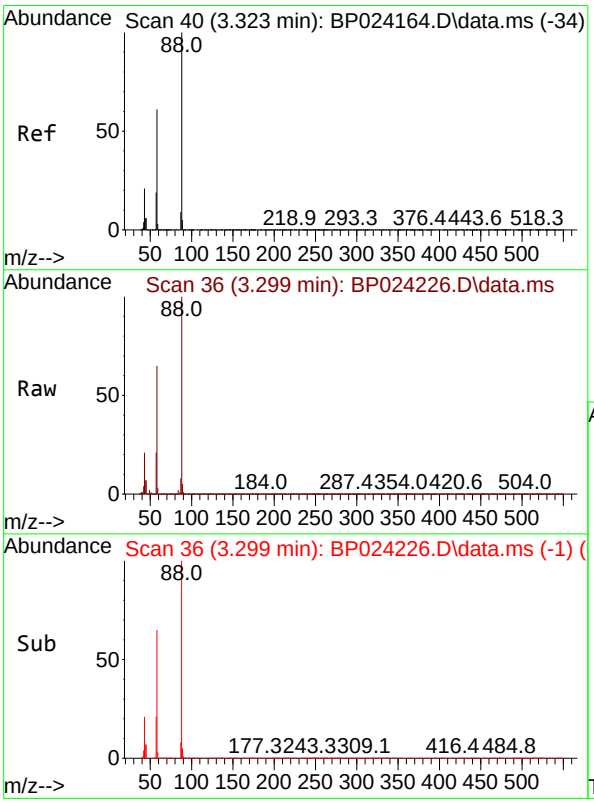

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:152 Resp: 424628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.4 | 125.5 | 188.3 |
| 115 | 59.2 | 46.3 | 69.5 |

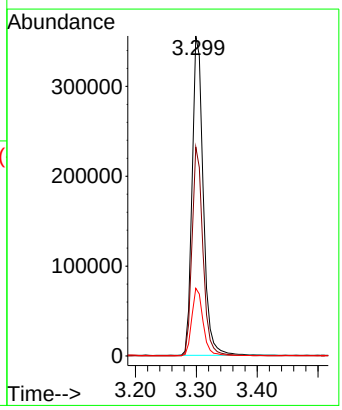


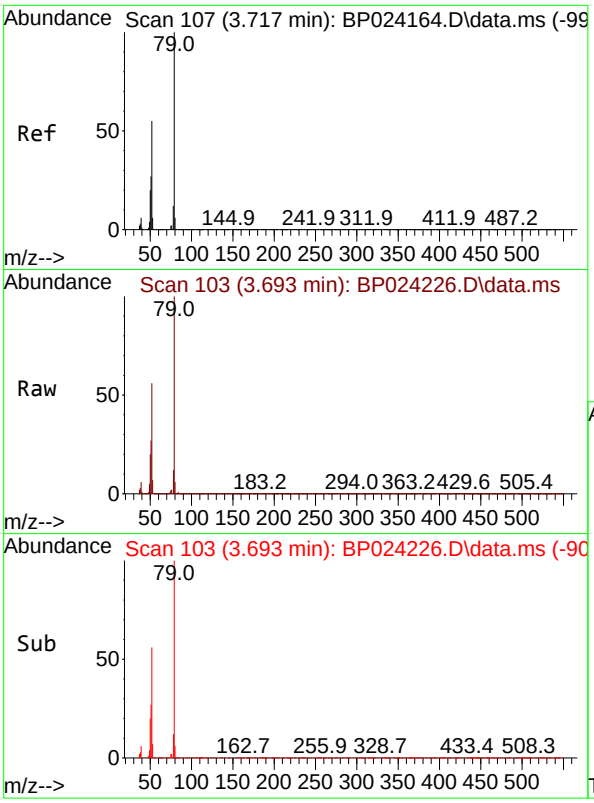




#2
1,4-Dioxane
Concen: 42.849 ng
RT: 3.299 min Scan# 36
Delta R.T. -0.023 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion: 88 Resp: 451814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 64.3 | 49.8 | 74.6 |
| 43 | 21.4 | 17.3 | 25.9 |



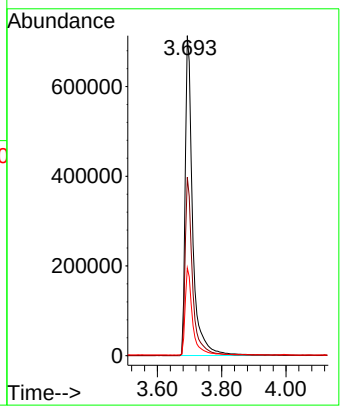


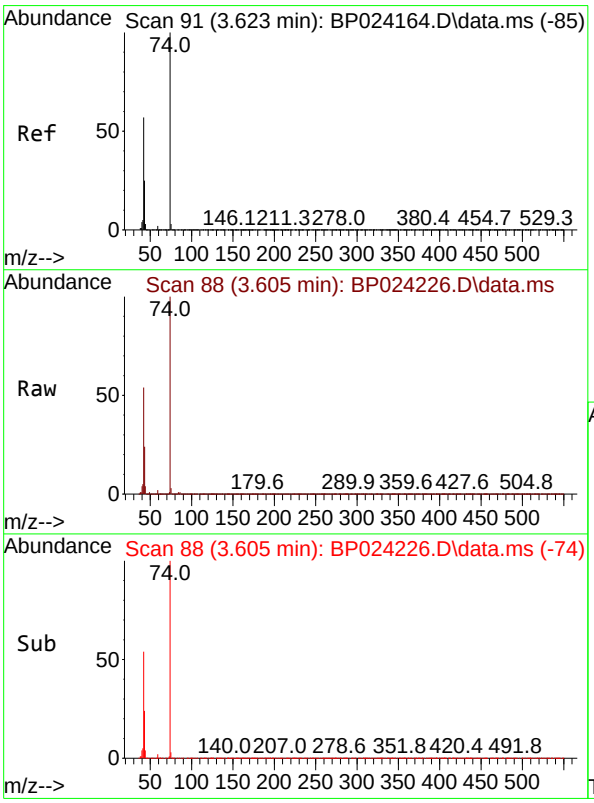

#3
Pyridine
Concen: 40.115 ng
RT: 3.693 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 79 Resp: 1156342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 55.7 | 43.8 | 65.8 |
| 51 | 27.4 | 21.6 | 32.4 |

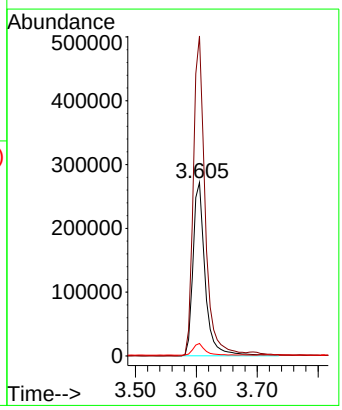


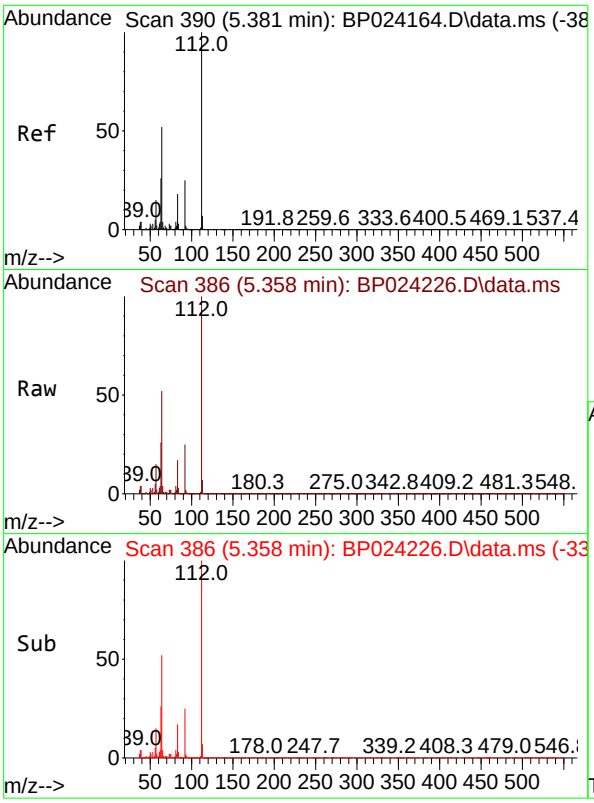




#4
n-Nitrosodimethylamine
Concen: 39.198 ng
RT: 3.605 min Scan# 88
Delta R.T. -0.018 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion: 42 Resp: 377443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 184.5 | 139.8 | 209.6 |
| 44 | 7.2 | 5.3 | 7.9 |



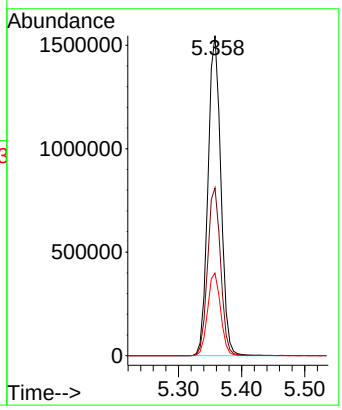


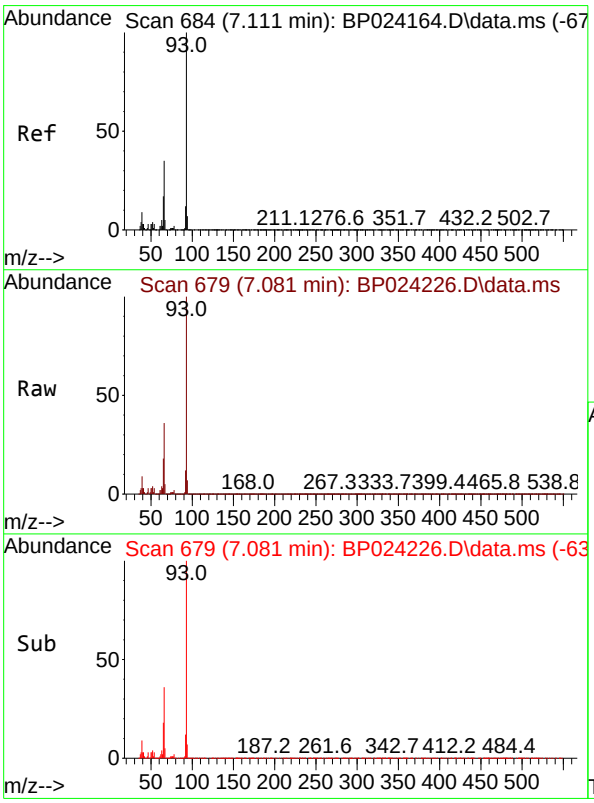

#5
2-Fluorophenol
Concen: 82.128 ng
RT: 5.358 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:112 Resp: 2184691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.5 | 41.3 | 61.9 |
| 63 | 25.8 | 20.6 | 31.0 |

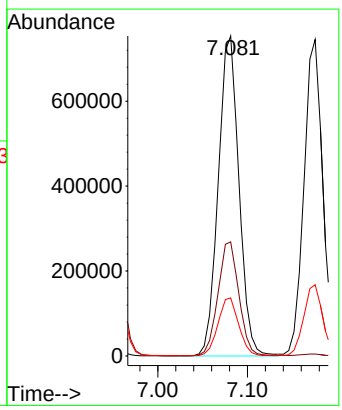


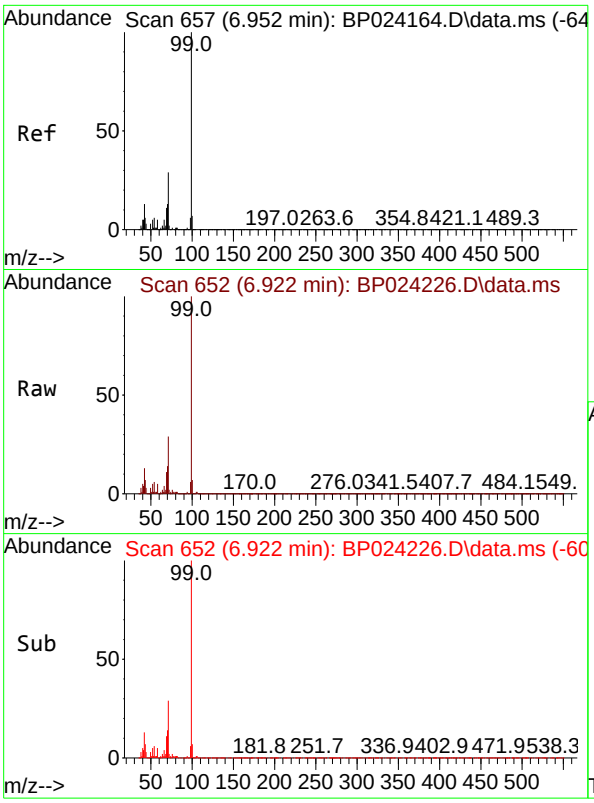




#6
Aniline
Concen: 37.218 ng
RT: 7.081 min Scan# 679
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion: 93 Resp: 1206236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 35.6 | 28.2 | 42.2 |
| 65 | 18.2 | 14.0 | 21.0 |



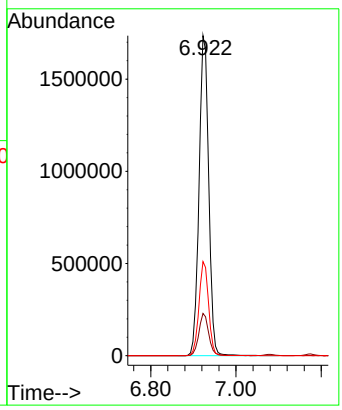


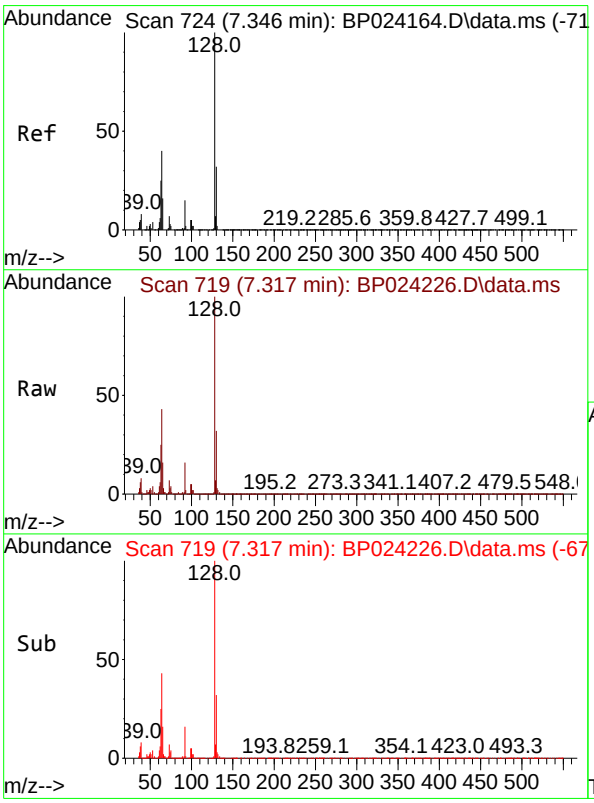

#7
Phenol-d6
Concen: 76.426 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 99 Resp: 2718654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.2 | 10.6 | 16.0 |
| 71 | 29.4 | 23.3 | 34.9 |

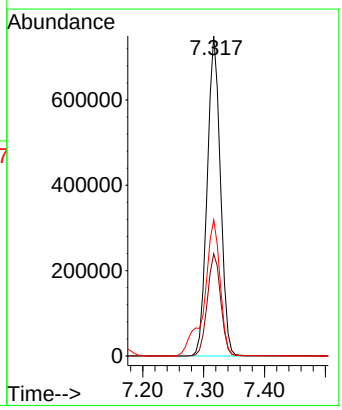


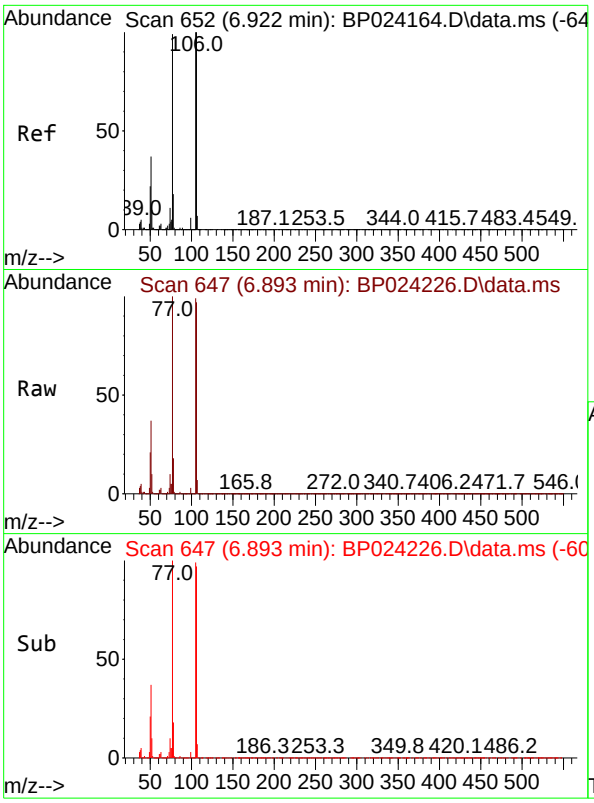




#8
2-Chlorophenol
Concen: 39.222 ng
RT: 7.317 min Scan# 719
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:128 Resp: 1126985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 31.9 | 12.0 | 52.0 |
| 64 | 42.5 | 21.6 | 61.6 |



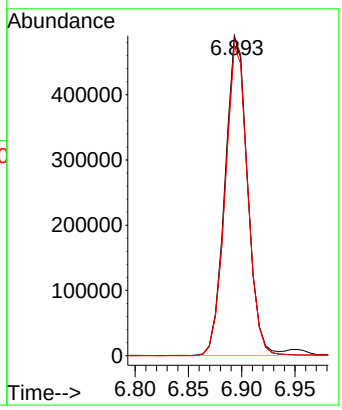


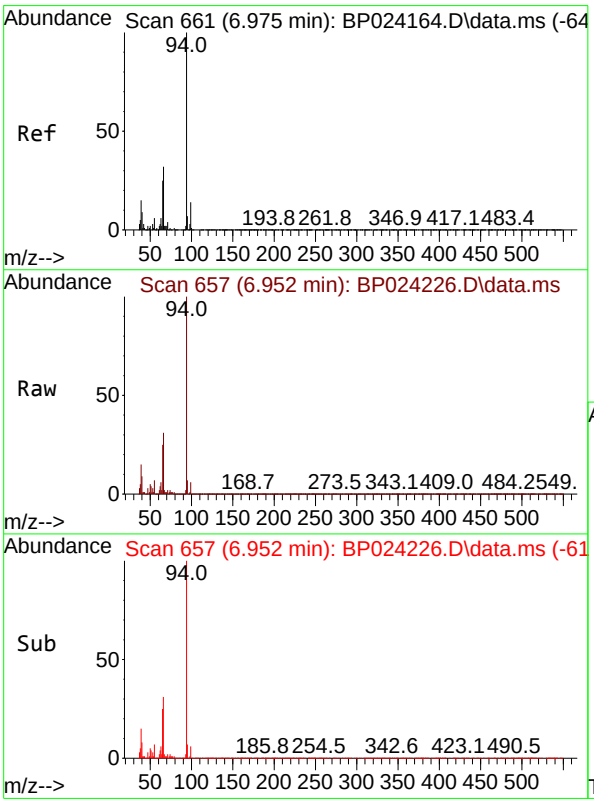

#9
Benzaldehyde
Concen: 41.860 ng
RT: 6.893 min Scan# 64
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 77 Resp: 718590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.4 | 81.4 | 121.4 |
| 106 | 96.7 | 81.1 | 121.1 |

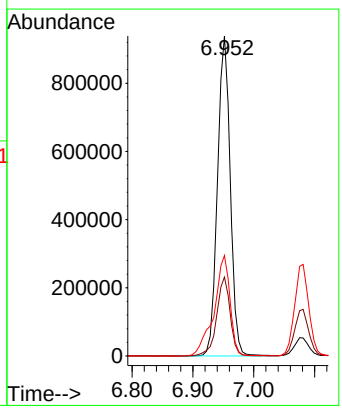


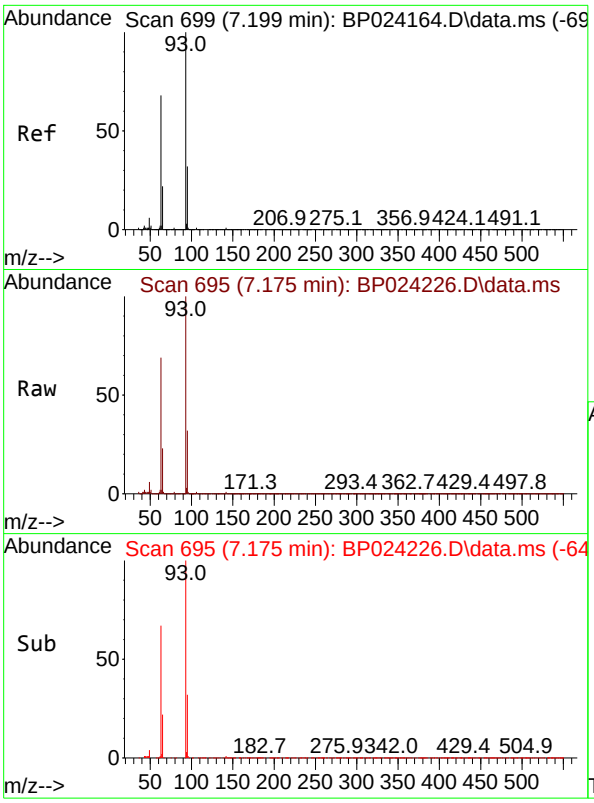




#10
Phenol
Concen: 37.960 ng
RT: 6.952 min Scan# 657
Delta R.T. -0.023 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion: 94 Resp: 1363188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 24.6 | 4.9 | 44.9 |
| 66 | 31.4 | 11.9 | 51.9 |



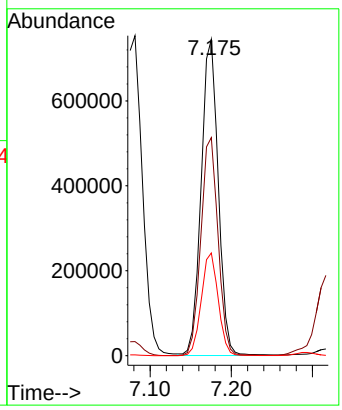


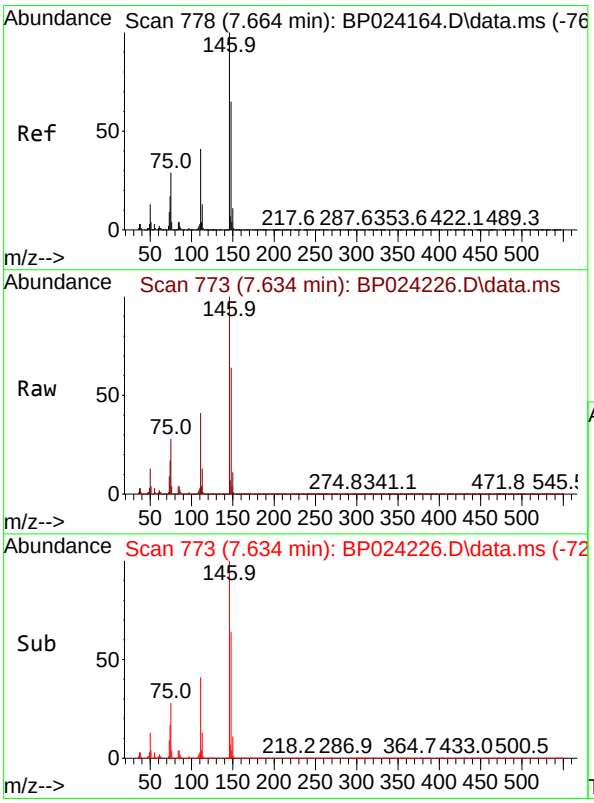

#11
bis(2-Chloroethyl)ether
Concen: 38.384 ng
RT: 7.175 min Scan# 6
Delta R.T. -0.023 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 93 Resp: 1086996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 68.9 | 47.4 | 87.4 |
| 95 | 32.5 | 12.1 | 52.1 |

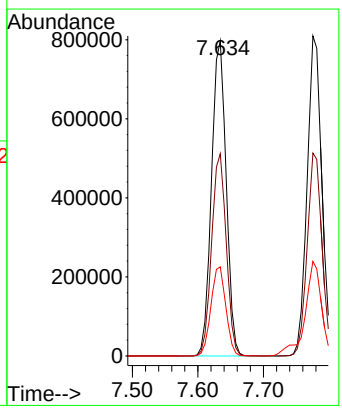


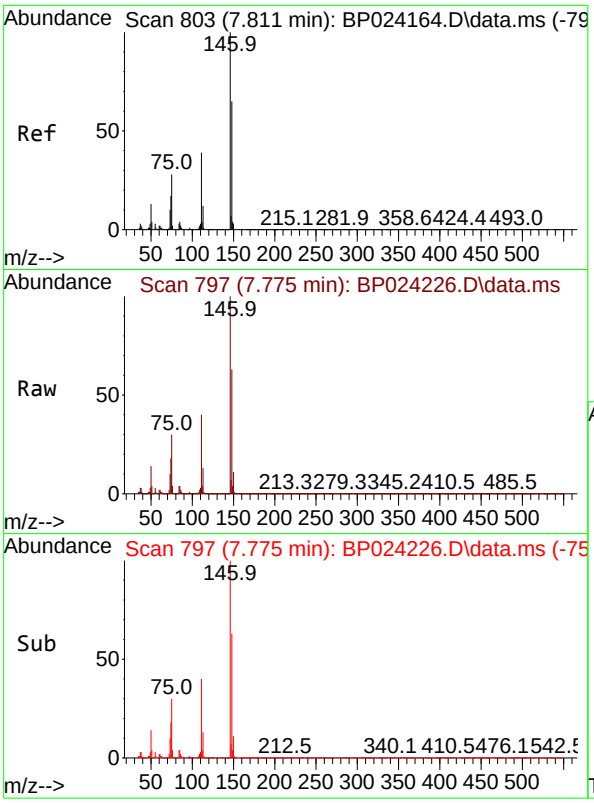




#12
1,3-Dichlorobenzene
Concen: 39.940 ng
RT: 7.634 min Scan# 773
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:146 Resp: 1237562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.6 | 77.4 |
| 75 | 28.3 | 22.8 | 34.2 |



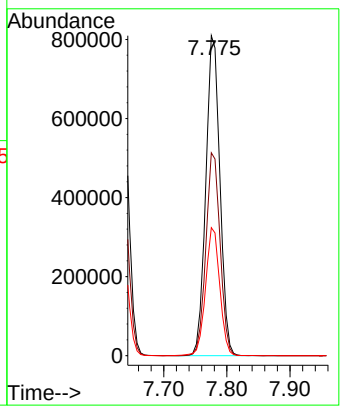


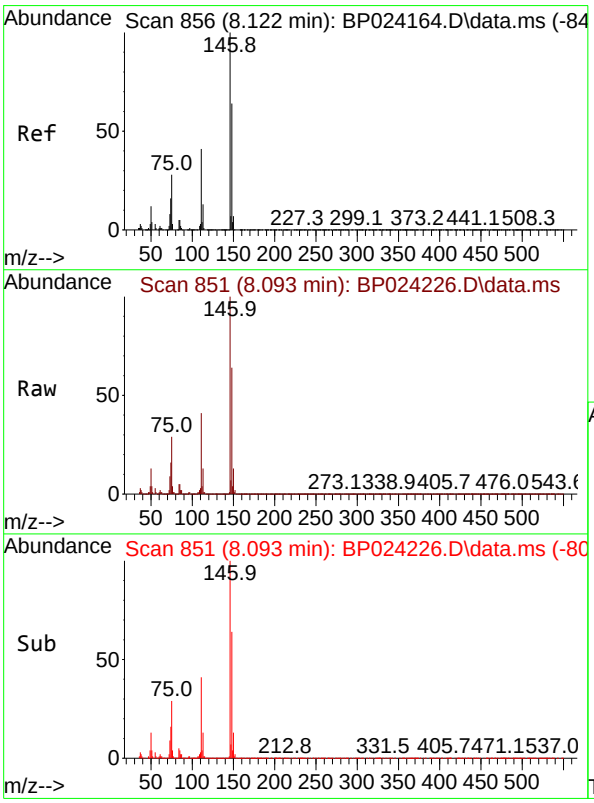

#13
1,4-Dichlorobenzene
Concen: 39.581 ng
RT: 7.775 min Scan# 7
Delta R.T. -0.035 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:146 Resp: 1252207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.4 | 51.9 | 77.9 |
| 111 | 40.0 | 31.4 | 47.2 |

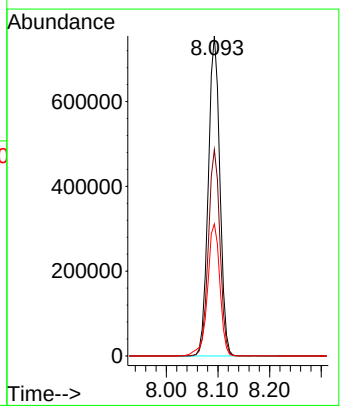


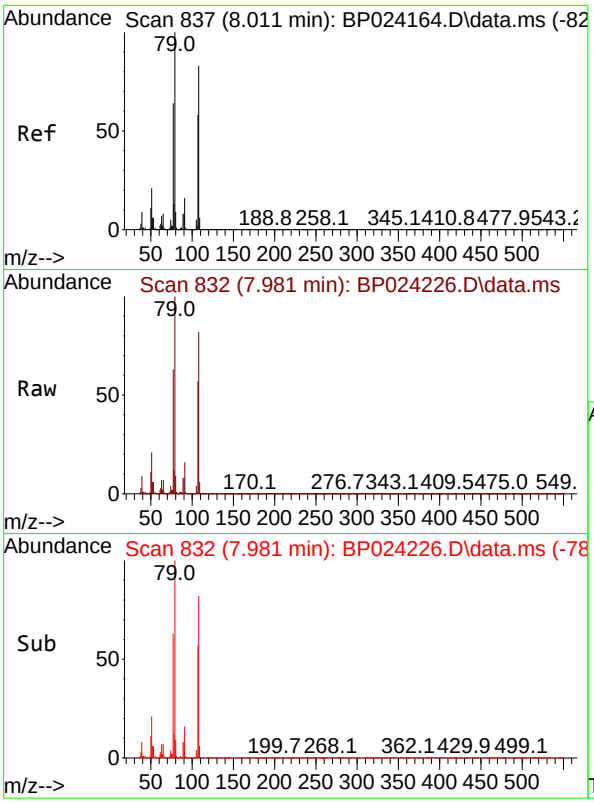




#14
1,2-Dichlorobenzene
Concen: 38.656 ng
RT: 8.093 min Scan# 851
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:146 Resp: 1173567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 51.4 | 77.2 |
| 111 | 41.3 | 33.2 | 49.8 |



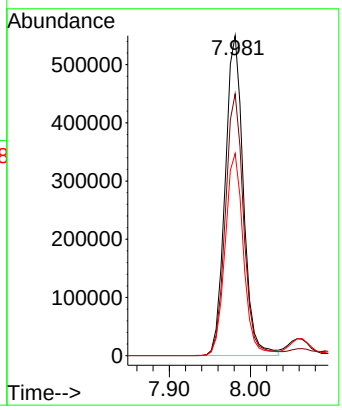


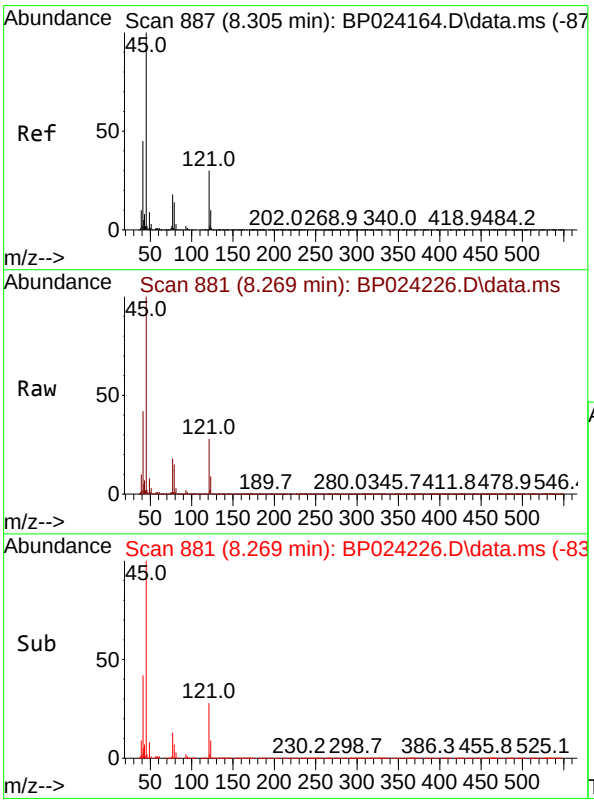

#15
Benzyl Alcohol
Concen: 38.077 ng
RT: 7.981 min Scan# 8
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 79 Resp: 857519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 81.9 | 66.5 | 99.7 |
| 77 | 63.2 | 50.9 | 76.3 |

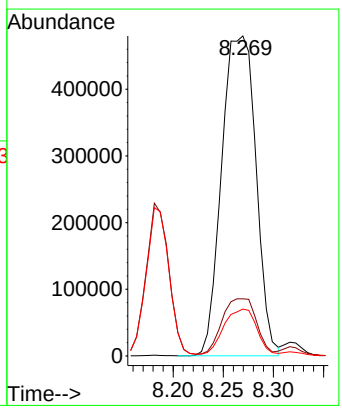


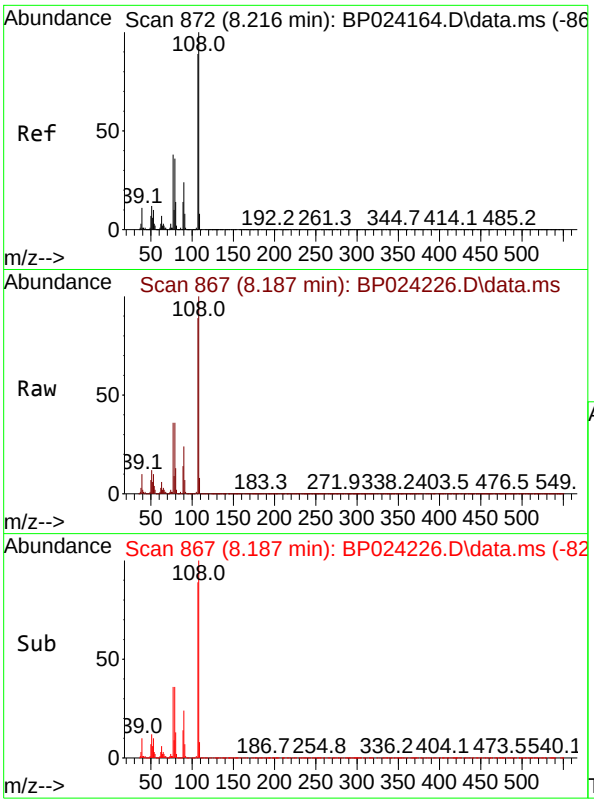




#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.434 ng
RT: 8.269 min Scan# 881
Delta R.T. -0.035 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion: 45 Resp: 1139765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 17.8 | 0.0 | 39.0 |
| 79 | 14.7 | 0.0 | 35.6 |



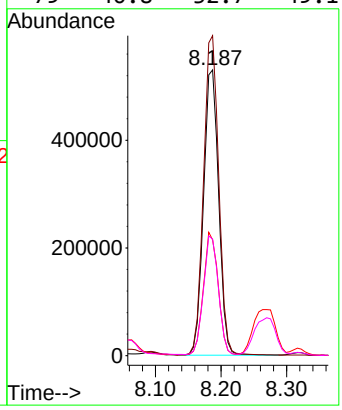


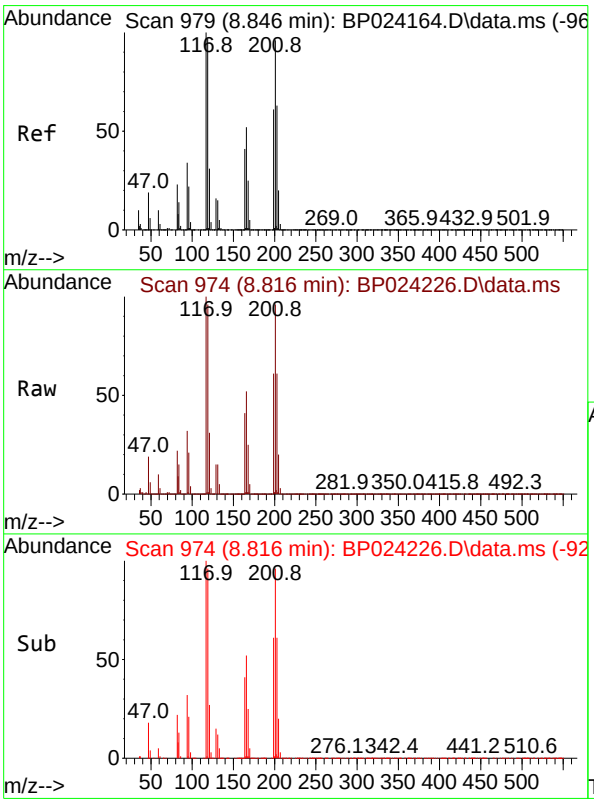

#17
2-Methylphenol
Concen: 37.837 ng
RT: 8.187 min Scan# 8
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:107 Resp: 852048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.0 | 90.0 | 135.0 |
| 77 | 40.6 | 34.0 | 51.0 |
| 79 | 40.8 | 32.7 | 49.1 |

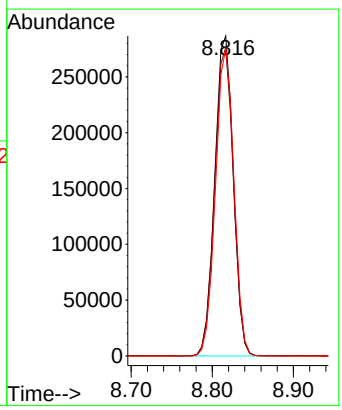


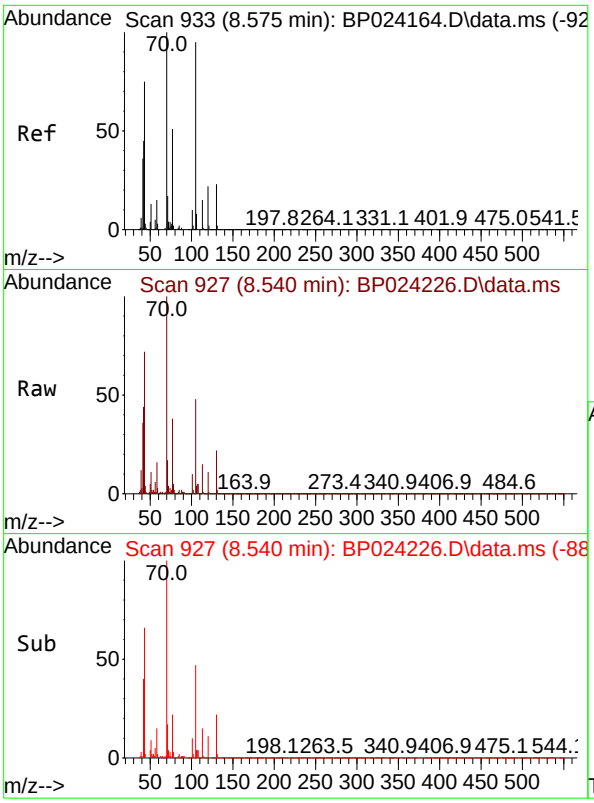




#18
Hexachloroethane
Concen: 40.672 ng
RT: 8.816 min Scan# 974
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:117 Resp: 456511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.4 | 77.4 | 116.0 |
| 201 | 96.1 | 76.6 | 114.8 |



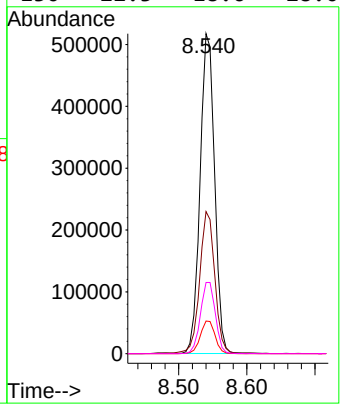


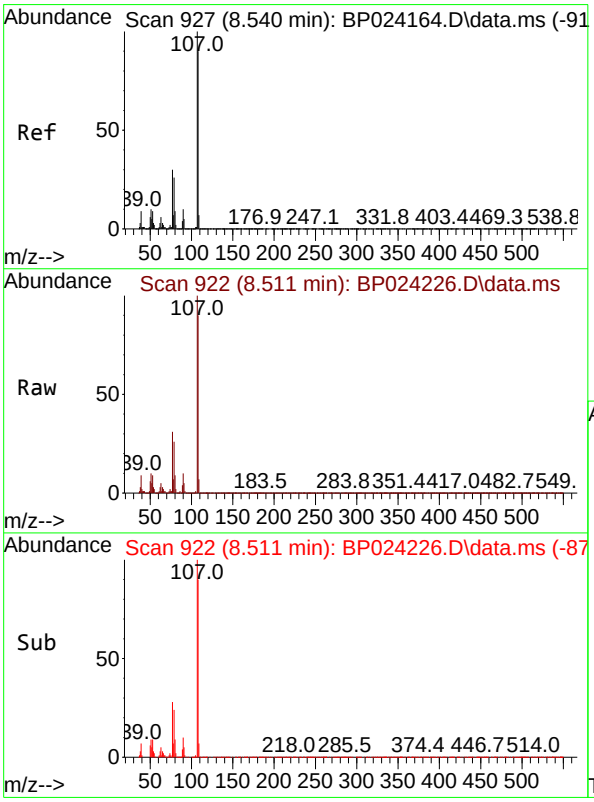

#19
n-Nitroso-di-n-propylamine
Concen: 37.065 ng
RT: 8.540 min Scan# 9
Delta R.T. -0.035 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 70 Resp: 764924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 44.4 | 36.0 | 54.0 |
| 101 | 10.2 | 8.3 | 12.5 |
| 130 | 22.3 | 18.6 | 28.0 |

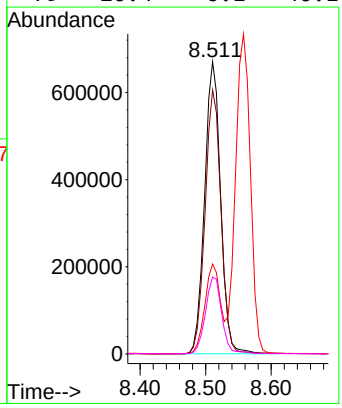


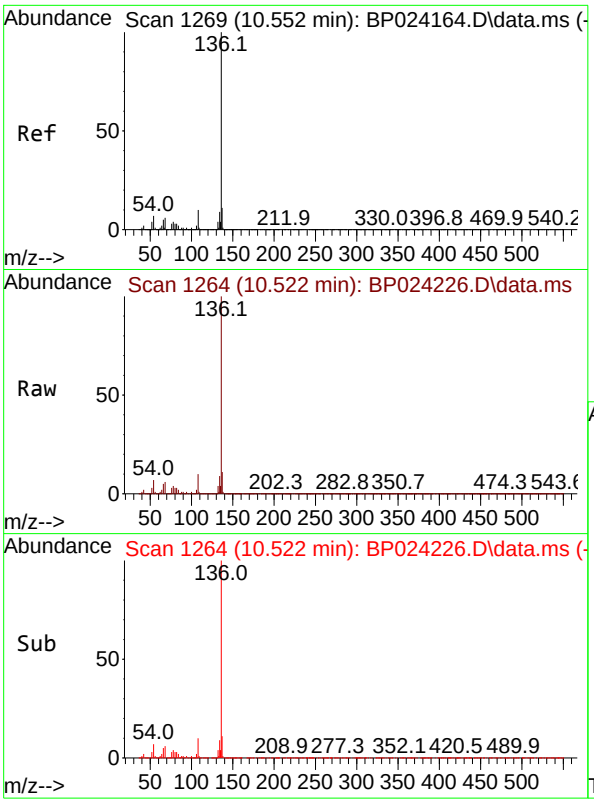




#20
3+4-Methylphenols
Concen: 36.842 ng
RT: 8.511 min Scan# 922
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:107 Resp: 1139804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.4 | 69.7 | 109.7 |
| 77 | 30.8 | 10.3 | 50.3 |
| 79 | 26.4 | 6.1 | 46.1 |



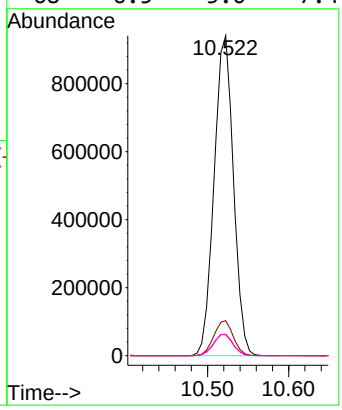


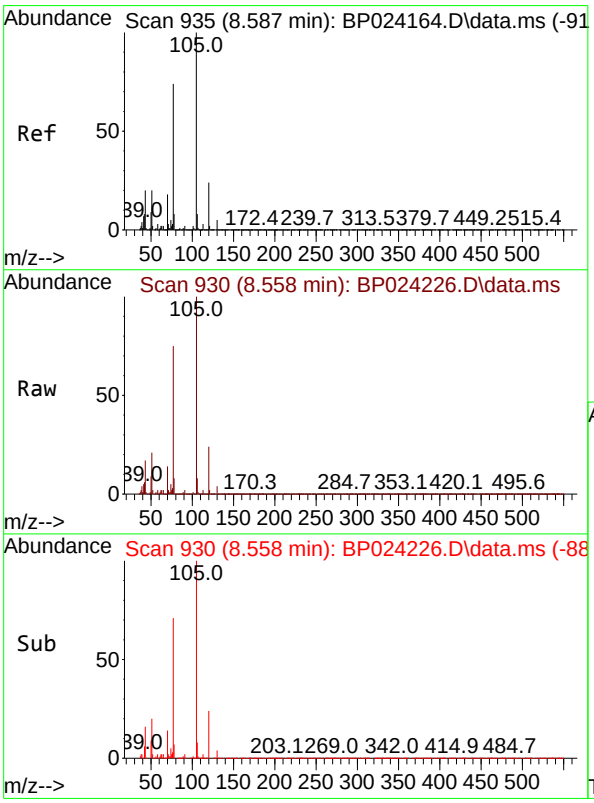

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.522 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:136 Resp: 1560137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.0 | 13.4 |
| 54 | 6.7 | 5.3 | 7.9 |
| 68 | 6.5 | 5.0 | 7.4 |

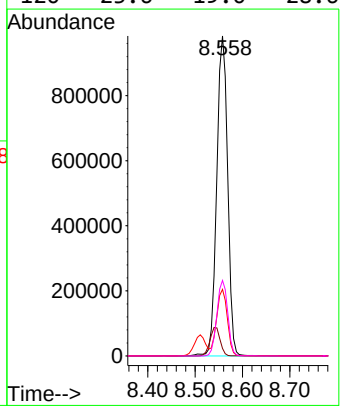


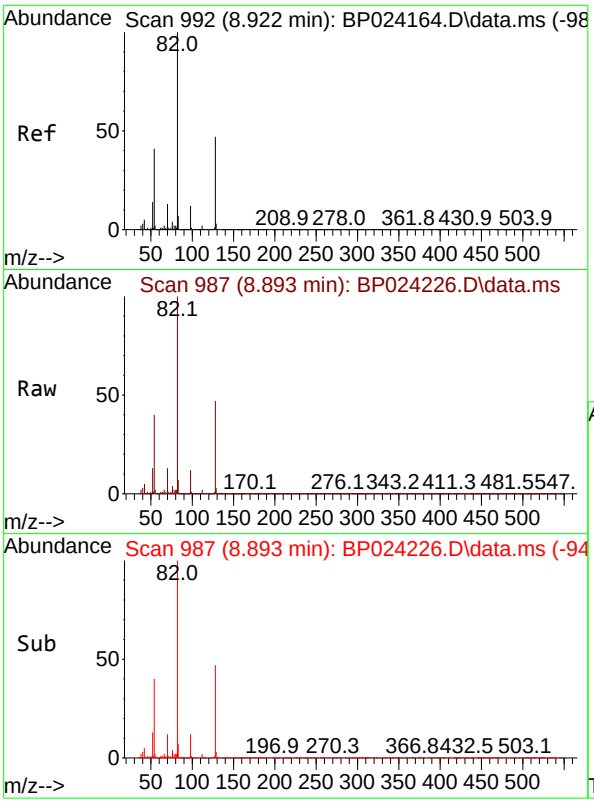




#22
Acetophenone
Concen: 39.805 ng
RT: 8.558 min Scan# 930
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:105 Resp: 1570038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 2.3 | 2.4 | 3.6# |
| 51 | 20.8 | 16.2 | 24.2 |
| 120 | 23.6 | 19.0 | 28.6 |



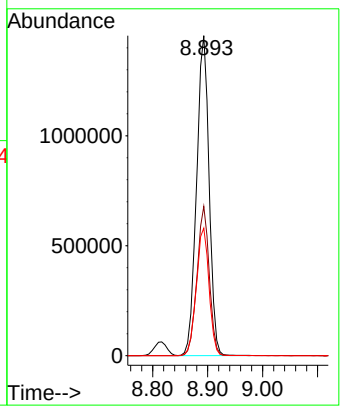


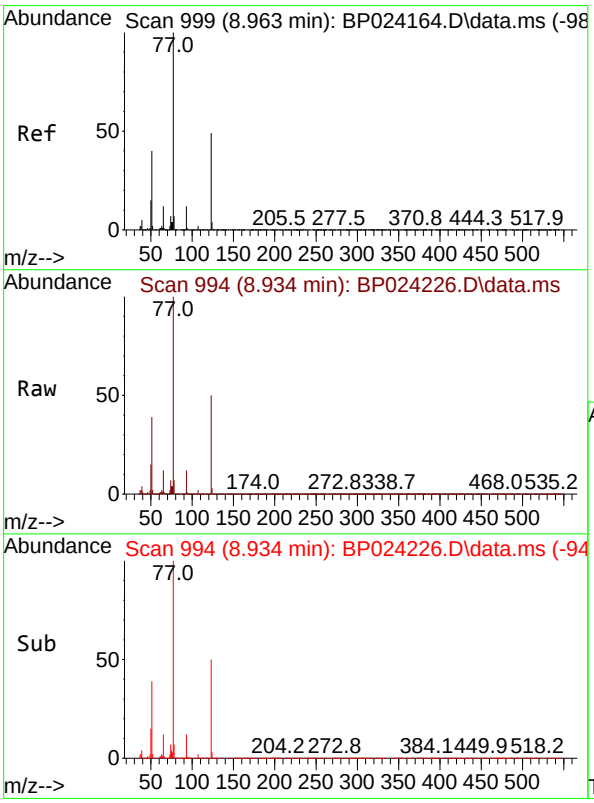

#23
Nitrobenzene-d5
Concen: 83.377 ng
RT: 8.893 min Scan# 9
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 82 Resp: 2305504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.6 | 37.4 | 56.0 |
| 54 | 39.8 | 32.5 | 48.7 |

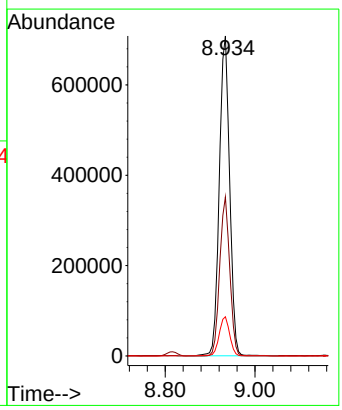


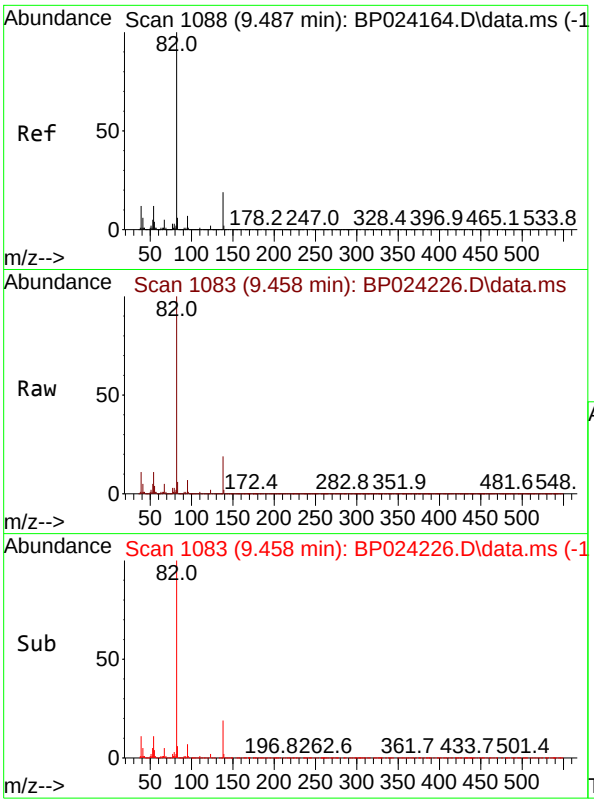




#24
Nitrobenzene
Concen: 41.342 ng
RT: 8.934 min Scan# 994
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion: 77 Resp: 1127741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 49.7 | 39.4 | 59.2 |
| 65 | 12.3 | 9.9 | 14.9 |



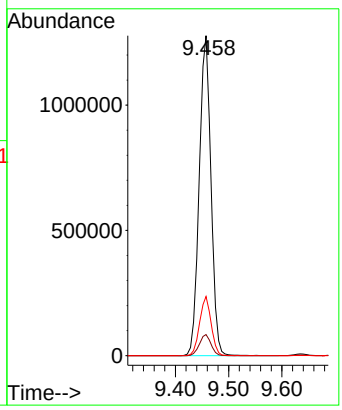


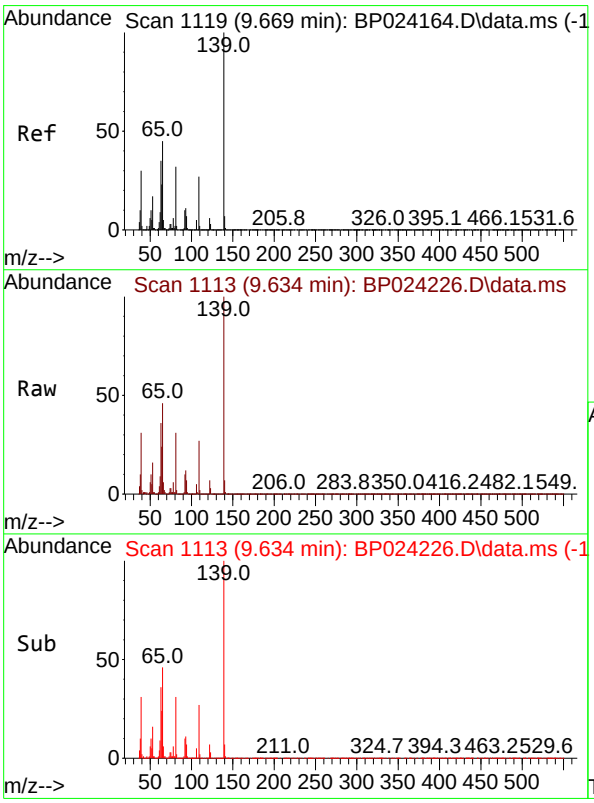

#25
Isophorone
Concen: 41.174 ng
RT: 9.458 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 82 Resp: 1951632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.6 | 5.3 | 7.9 |
| 138 | 18.5 | 14.8 | 22.2 |

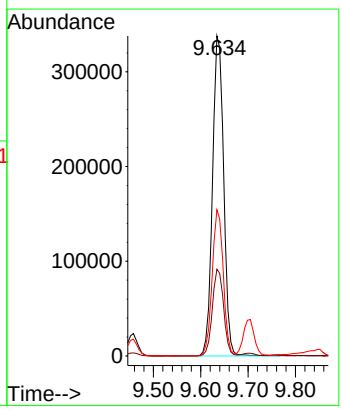


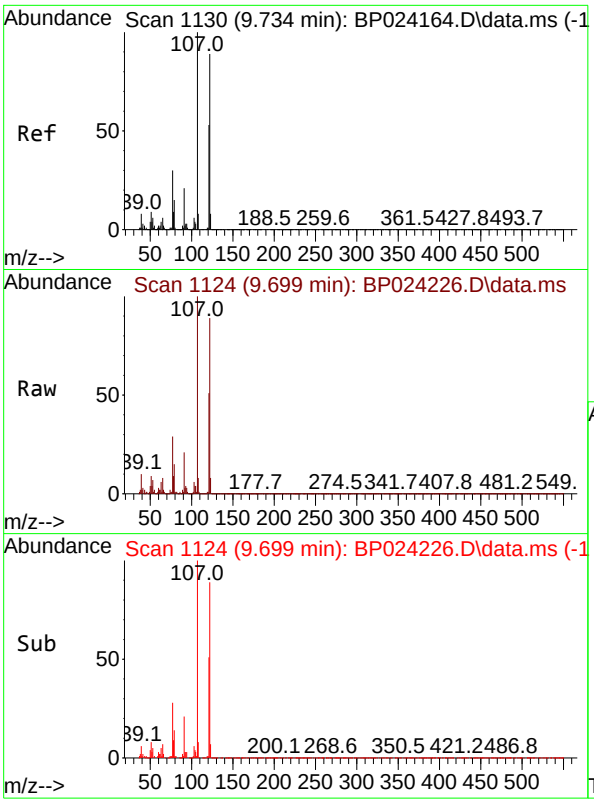




#26
2-Nitrophenol
Concen: 42.541 ng
RT: 9.634 min Scan# 1113
Delta R.T. -0.035 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:139 Resp: 554308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 27.1 | 21.7 | 32.5 |
| 65 | 45.7 | 35.8 | 53.8 |



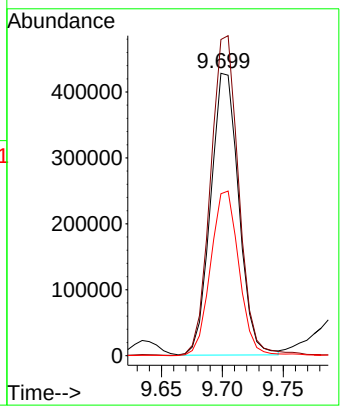


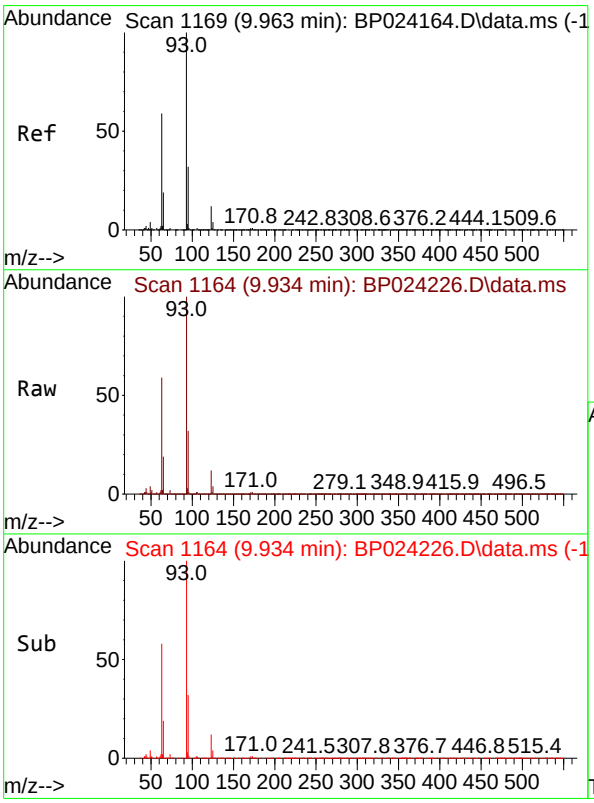

#27
2,4-Dimethylphenol
Concen: 40.939 ng
RT: 9.699 min Scan# 11
Delta R.T. -0.035 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:122 Resp: 685922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 112.0 | 89.3 | 133.9 |
| 121 | 57.3 | 47.5 | 71.3 |

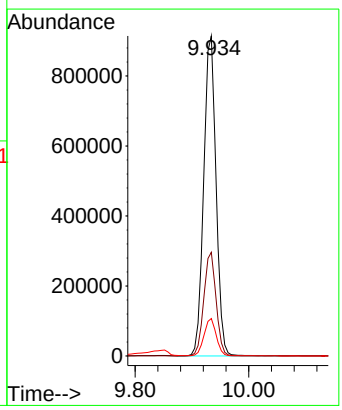


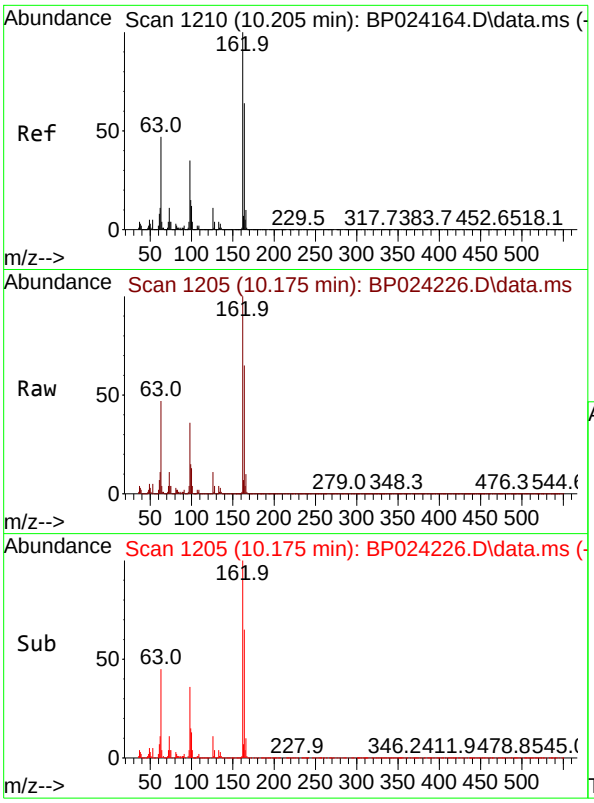




#28
bis(2-Chloroethoxy)methane
Concen: 41.159 ng
RT: 9.934 min Scan# 1164
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion: 93 Resp: 1372462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.4 | 25.9 | 38.9 |
| 123 | 11.7 | 9.5 | 14.3 |



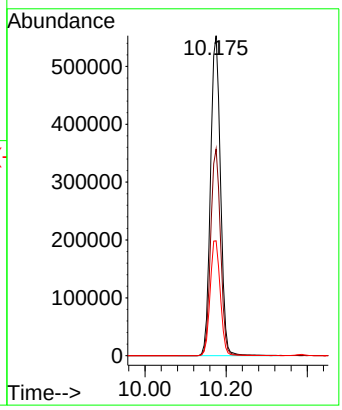


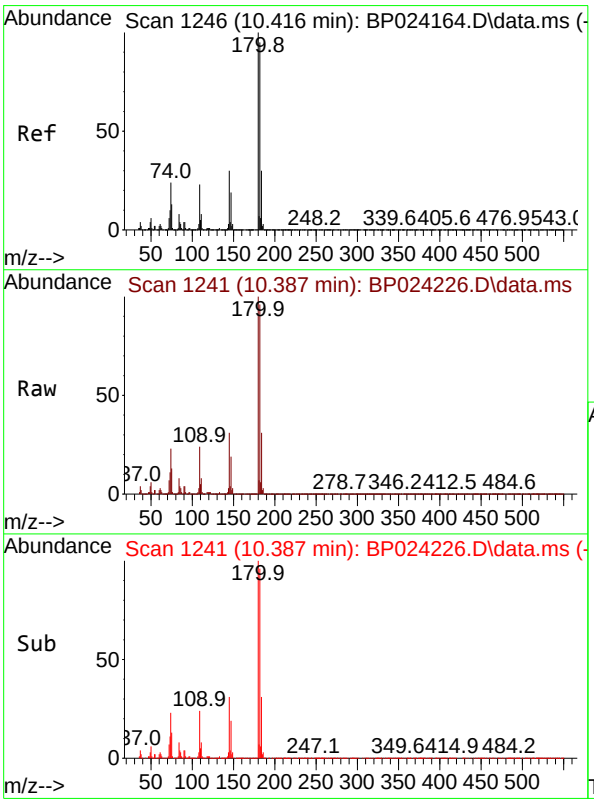

#29
2,4-Dichlorophenol
Concen: 41.419 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:162 Resp: 938779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.6 | 44.2 | 84.2 |
| 98 | 35.9 | 15.1 | 55.1 |

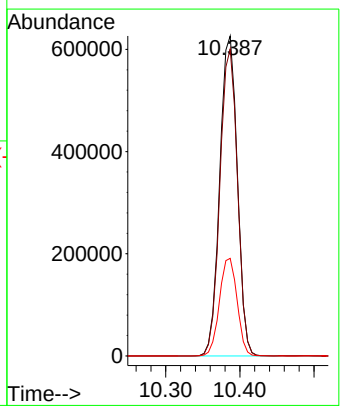


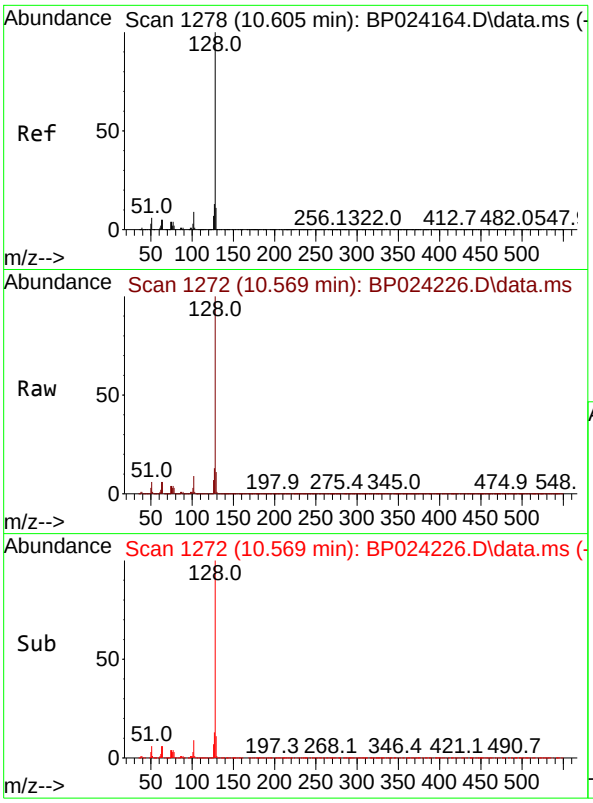




#30
1,2,4-Trichlorobenzene
Concen: 41.128 ng
RT: 10.387 min Scan# 1241
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:180 Resp: 1029903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.0 | 76.1 | 114.1 |
| 145 | 30.5 | 24.2 | 36.2 |



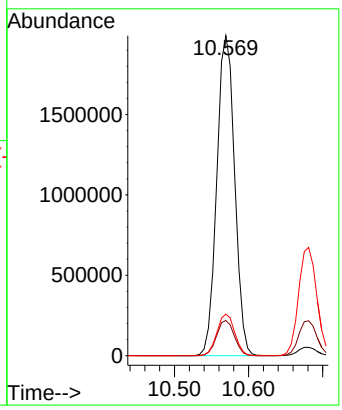


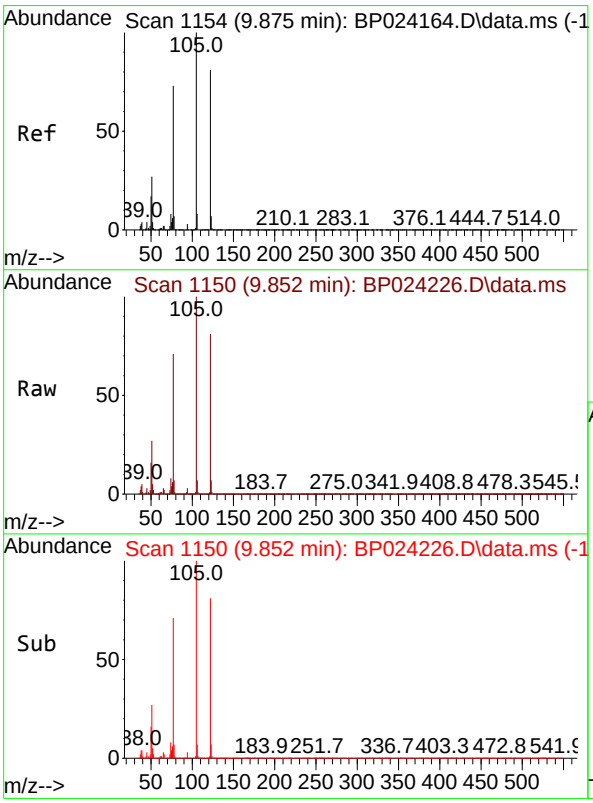

#31
Naphthalene
Concen: 40.259 ng
RT: 10.569 min Scan# 1
Delta R.T. -0.035 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:128 Resp: 3329431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.7 | 13.1 |
| 127 | 13.0 | 10.4 | 15.6 |

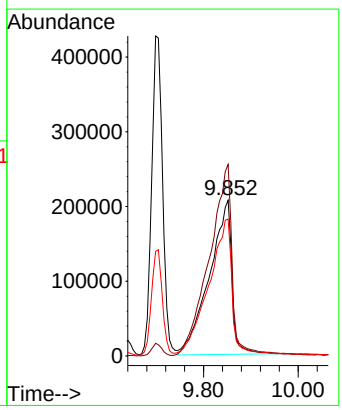


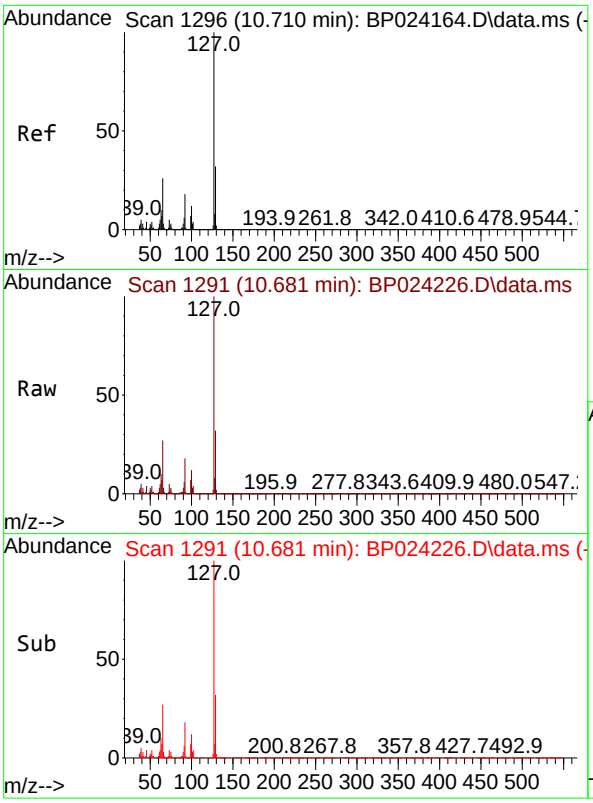




#32
Benzoic acid
Concen: 41.718 ng
RT: 9.852 min Scan# 1150
Delta R.T. -0.023 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:122 Resp: 681684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 123.1 | 100.3 | 140.3 |
| 77 | 88.0 | 69.1 | 109.1 |



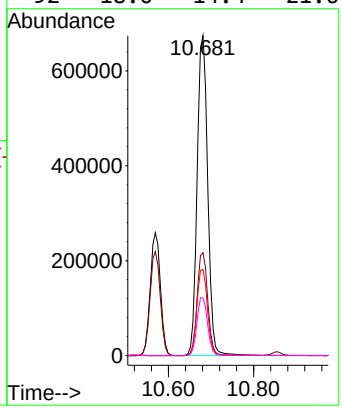


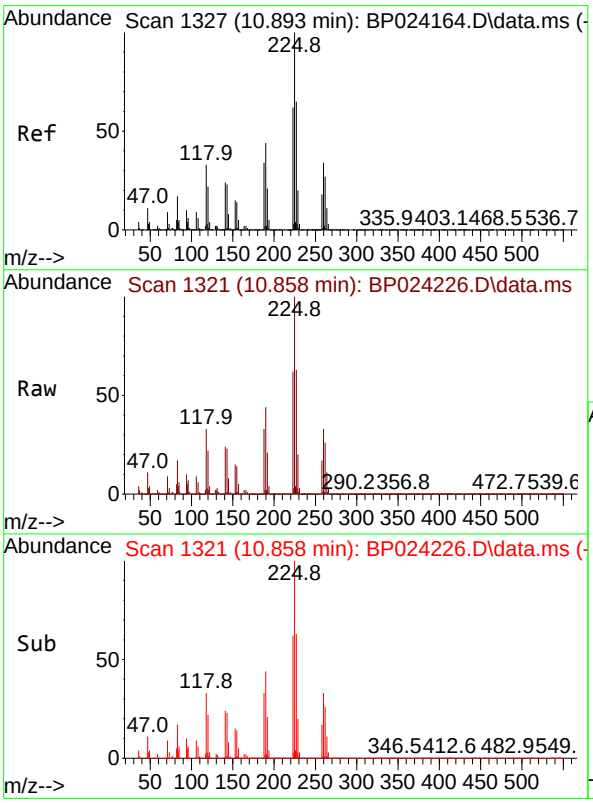

#33
4-Chloroaniline
Concen: 39.289 ng
RT: 10.681 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:127 Resp: 1162795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.2 | 25.8 | 38.6 |
| 65 | 26.9 | 21.2 | 31.8 |
| 92 | 18.0 | 14.4 | 21.6 |

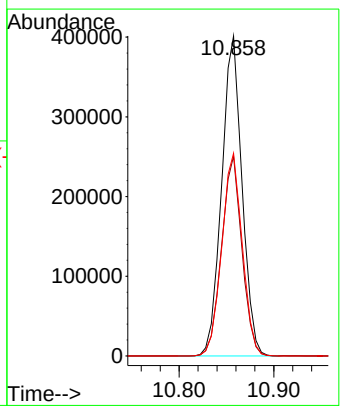


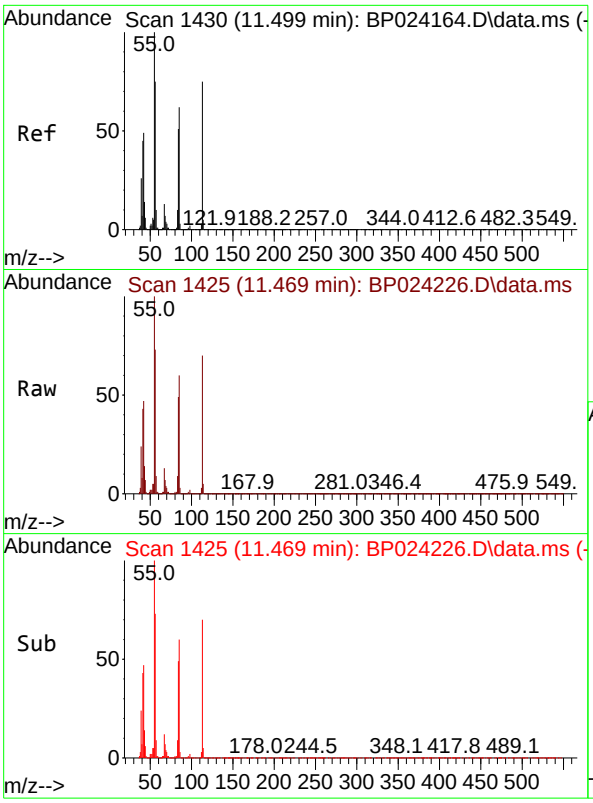




#34
Hexachlorobutadiene
Concen: 41.579 ng
RT: 10.858 min Scan# 1321
Delta R.T. -0.035 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:225 Resp: 599236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.5 | 49.9 | 74.9 |
| 227 | 63.4 | 52.2 | 78.2 |



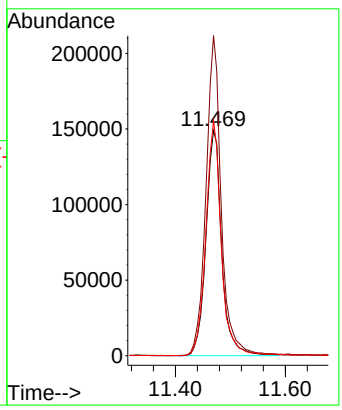


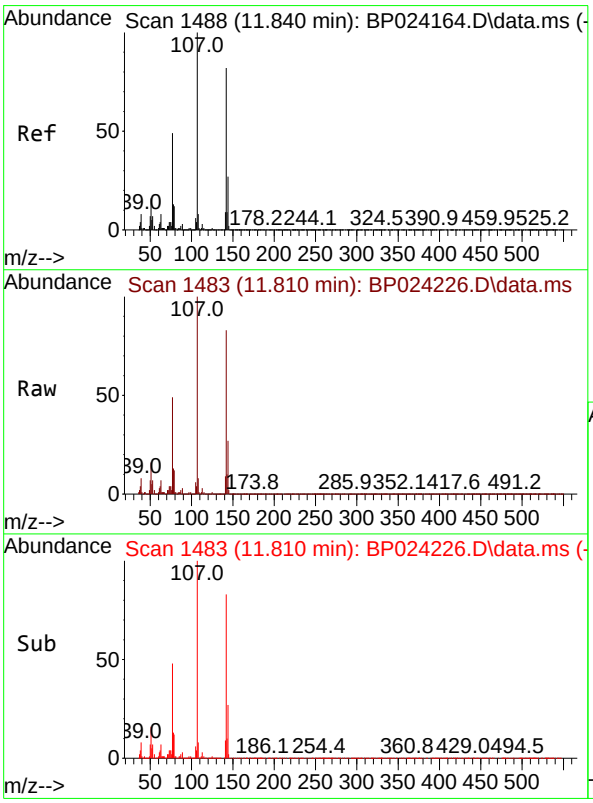

#35
Caprolactam
Concen: 39.891 ng
RT: 11.469 min Scan# 14
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:113 Resp: 296325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 142.1 | 113.6 | 153.6 |
| 56 | 104.3 | 80.0 | 120.0 |

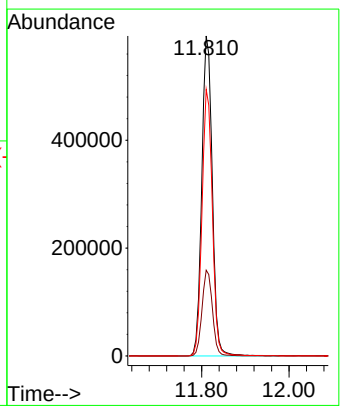


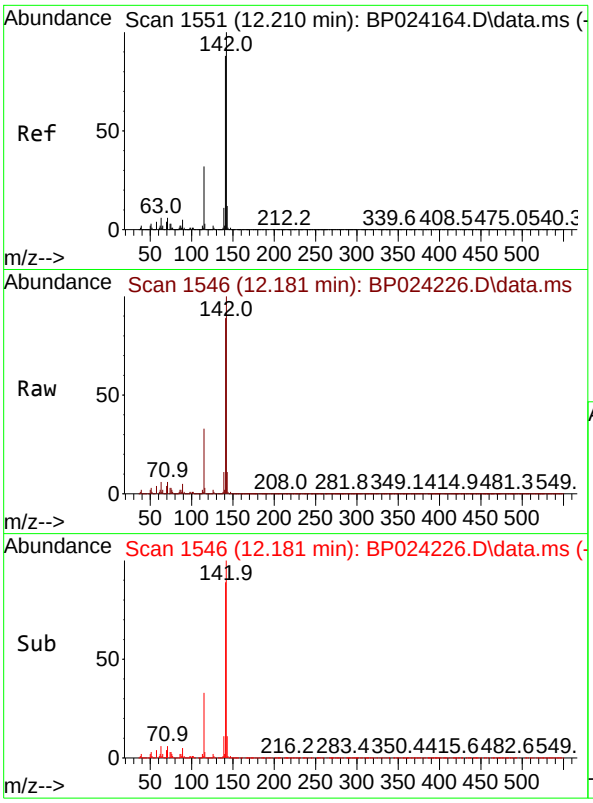




#36
4-Chloro-3-methylphenol
Concen: 40.531 ng
RT: 11.810 min Scan# 1483
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:107 Resp: 991026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.8 | 21.6 | 32.4 |
| 142 | 83.3 | 65.4 | 98.0 |



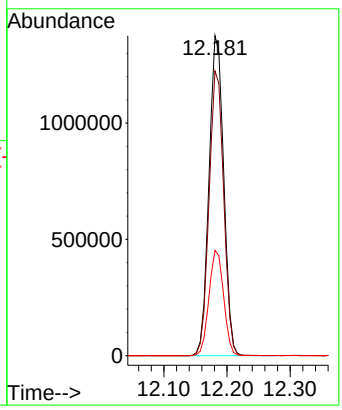


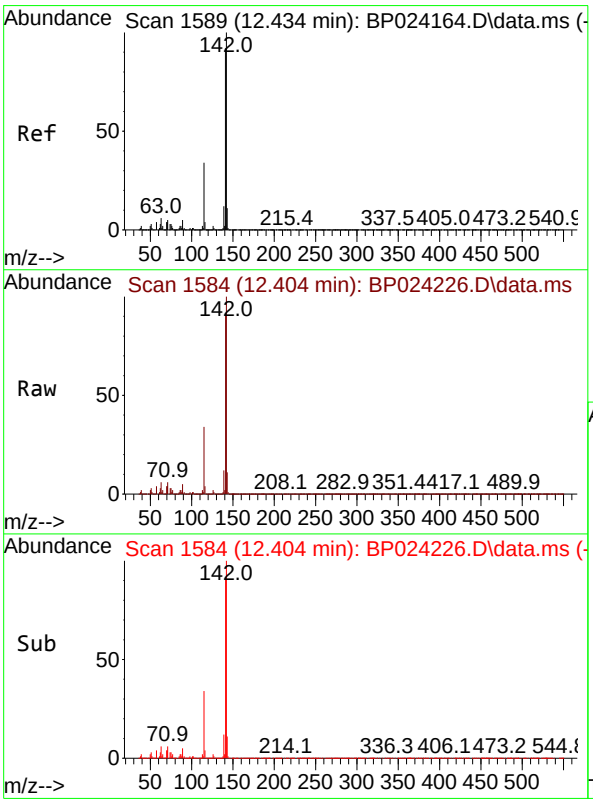

#37
2-Methylnaphthalene
Concen: 39.708 ng
RT: 12.181 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:142 Resp: 2218499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.9 | 70.3 | 105.5 |
| 115 | 32.9 | 26.0 | 39.0 |

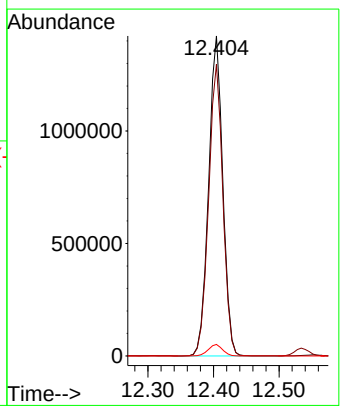


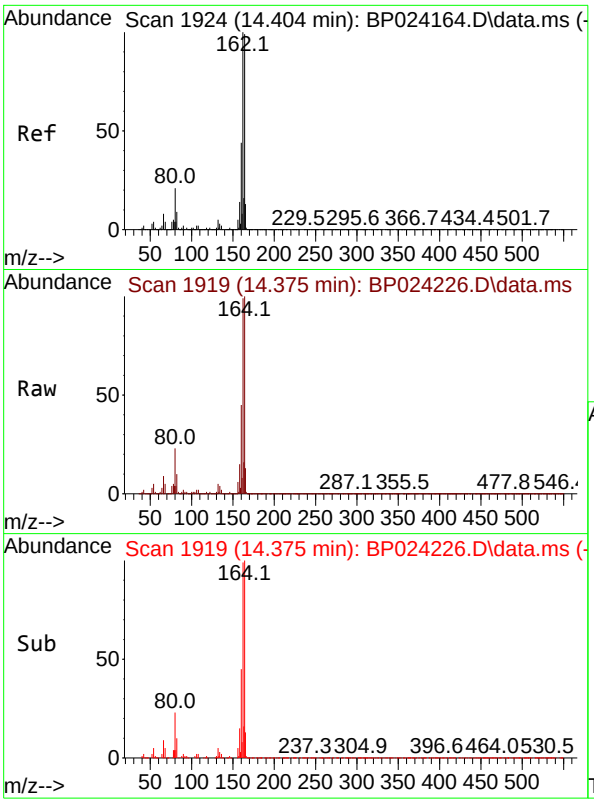




#38
1-Methylnaphthalene
Concen: 39.355 ng
RT: 12.404 min Scan# 1584
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:142 Resp: 2138642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.1 | 73.9 | 110.9 |
| 116 | 3.6 | 2.8 | 4.2 |



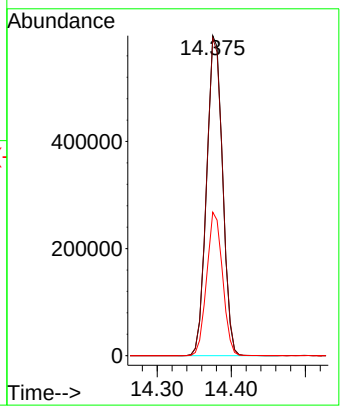


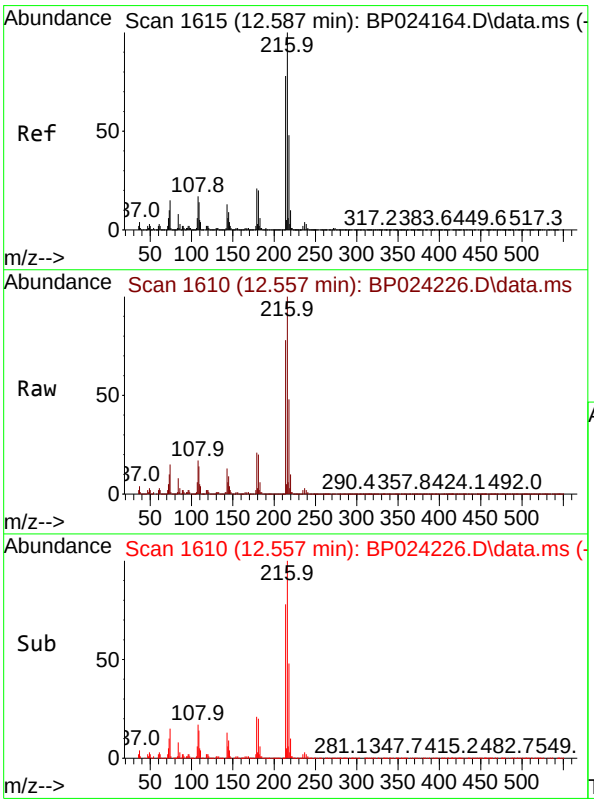

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.375 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:164 Resp: 891224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.3 | 80.6 | 121.0 |
| 160 | 44.8 | 35.4 | 53.2 |

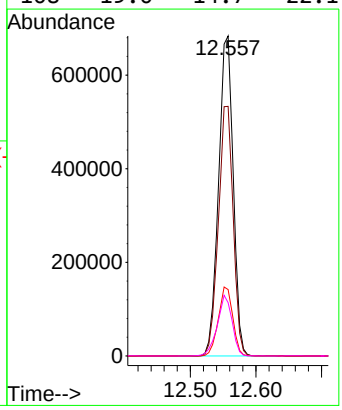


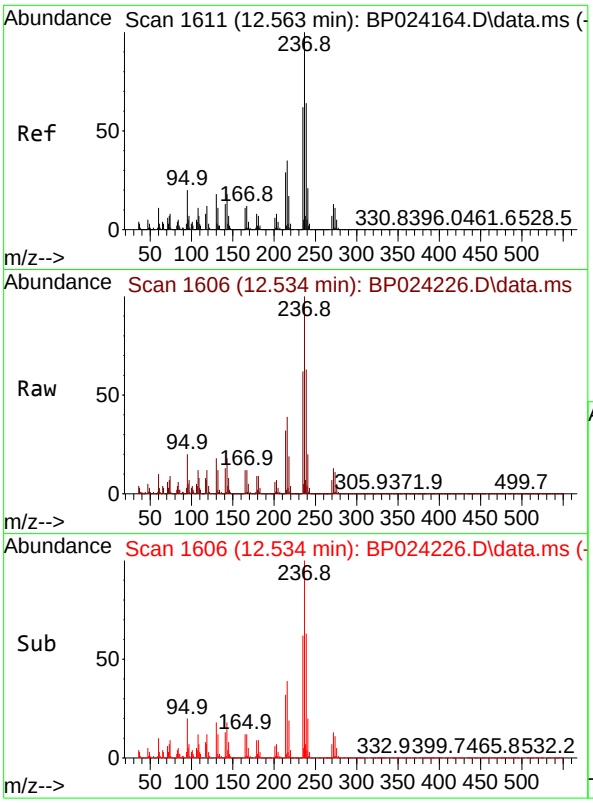




#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.997 ng
RT: 12.557 min Scan# 1610
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:216 Resp: 1056188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.6 | 62.8 | 94.2 |
| 179 | 21.2 | 16.8 | 25.2 |
| 108 | 19.0 | 14.7 | 22.1 |



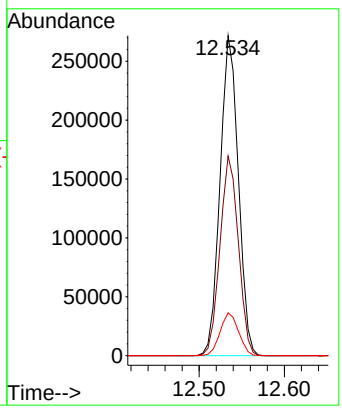


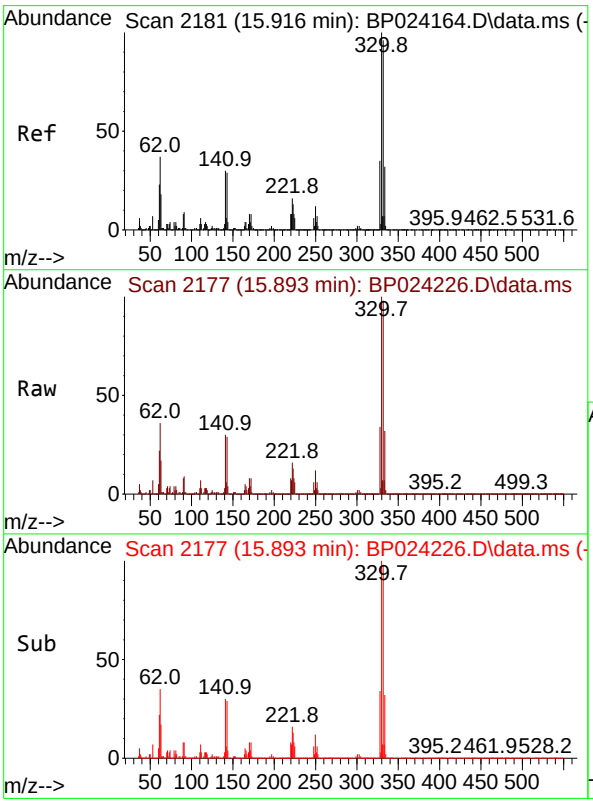

#41
Hexachlorocyclopentadiene
Concen: 43.613 ng
RT: 12.534 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:237 Resp: 405015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.4 | 41.8 | 81.8 |
| 272 | 13.4 | 0.0 | 33.5 |

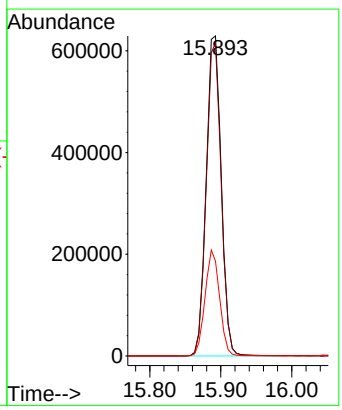


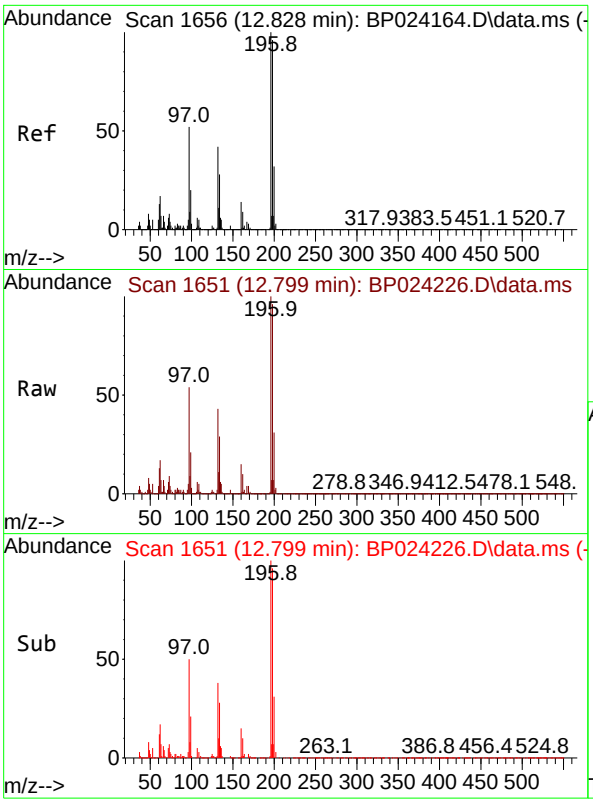




#42
2,4,6-Tribromophenol
Concen: 82.870 ng
RT: 15.893 min Scan# 2177
Delta R.T. -0.023 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:330 Resp: 930305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 77.6 | 116.4 |
| 141 | 32.0 | 25.0 | 37.6 |



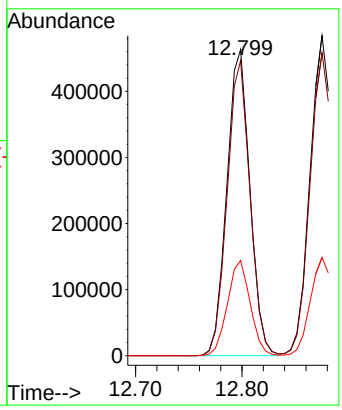


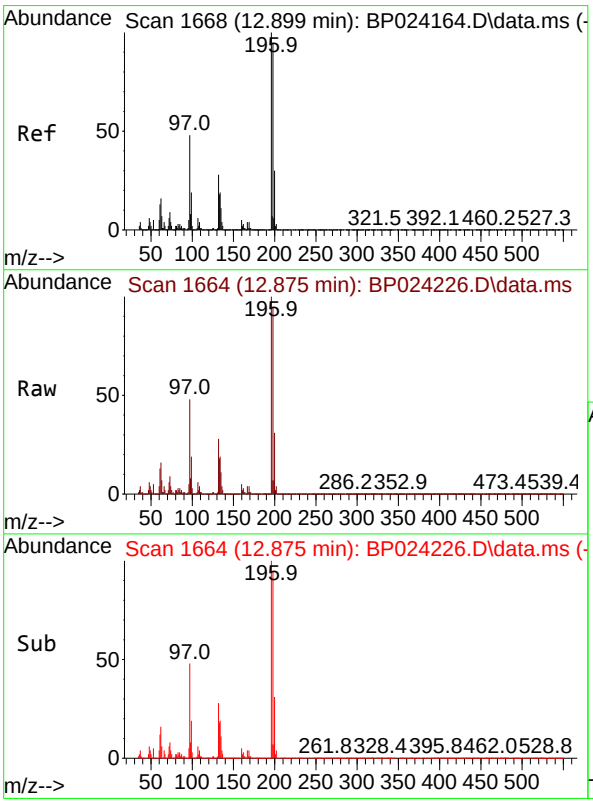

#43
2,4,6-Trichlorophenol
Concen: 42.517 ng
RT: 12.799 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:196 Resp: 696113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.4 | 76.6 | 115.0 |
| 200 | 31.1 | 25.4 | 38.0 |

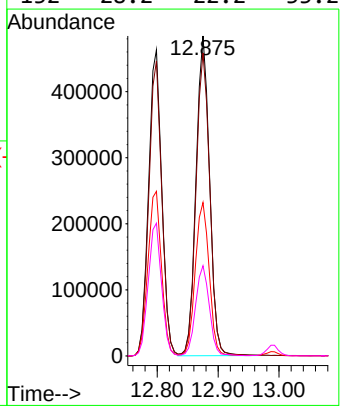


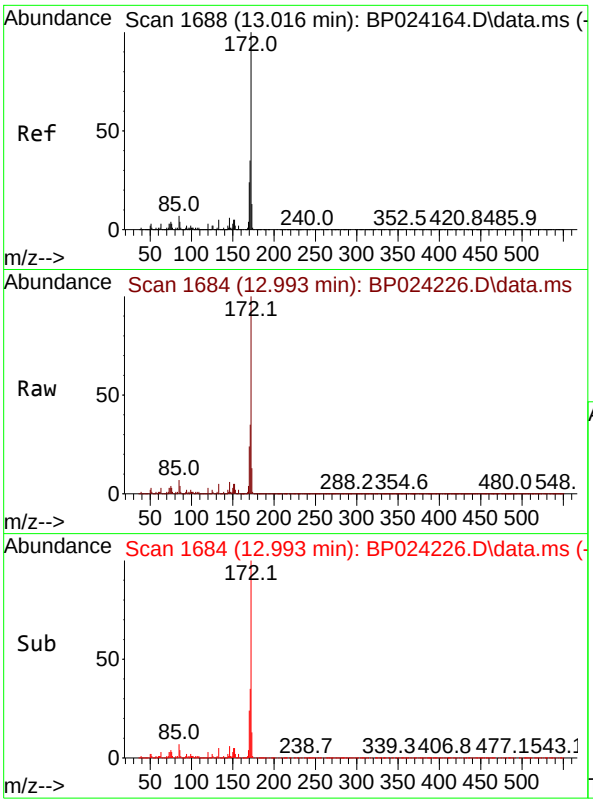




#44
2,4,5-Trichlorophenol
Concen: 41.756 ng
RT: 12.875 min Scan# 1664
Delta R.T. -0.023 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:196 Resp: 749745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.7 | 76.5 | 114.7 |
| 97 | 47.9 | 38.7 | 58.1 |
| 132 | 28.2 | 22.2 | 33.2 |



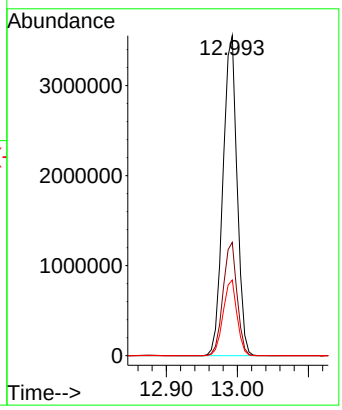


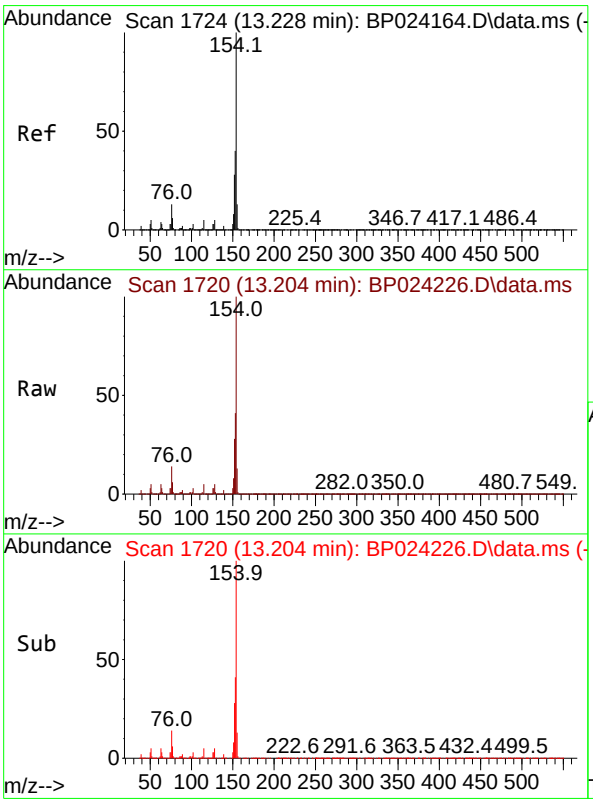

#45
2-Fluorobiphenyl
Concen: 80.624 ng
RT: 12.993 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:172 Resp: 4873019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 28.3 | 42.5 |
| 170 | 23.6 | 19.0 | 28.4 |

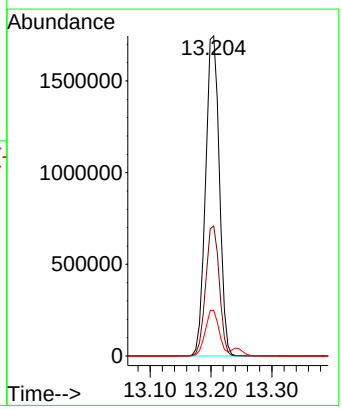


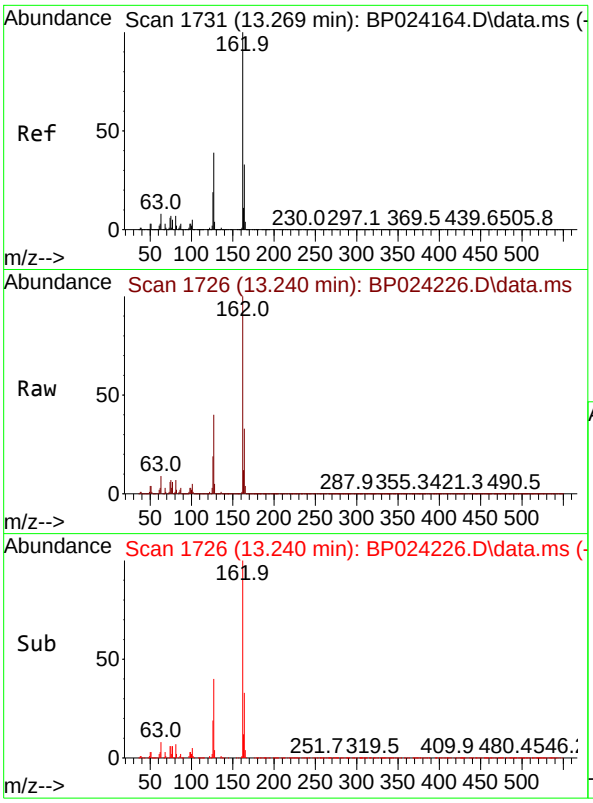




#46
1,1'-Biphenyl
Concen: 40.998 ng
RT: 13.204 min Scan# 1720
Delta R.T. -0.023 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:154 Resp: 2745709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.6 | 20.3 | 60.3 |
| 76 | 14.3 | 0.0 | 32.9 |



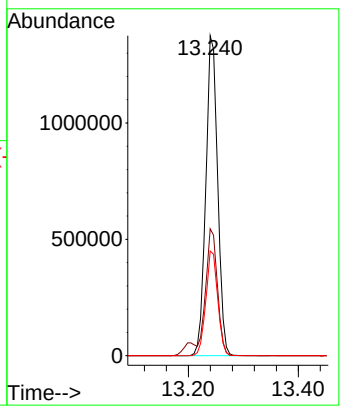


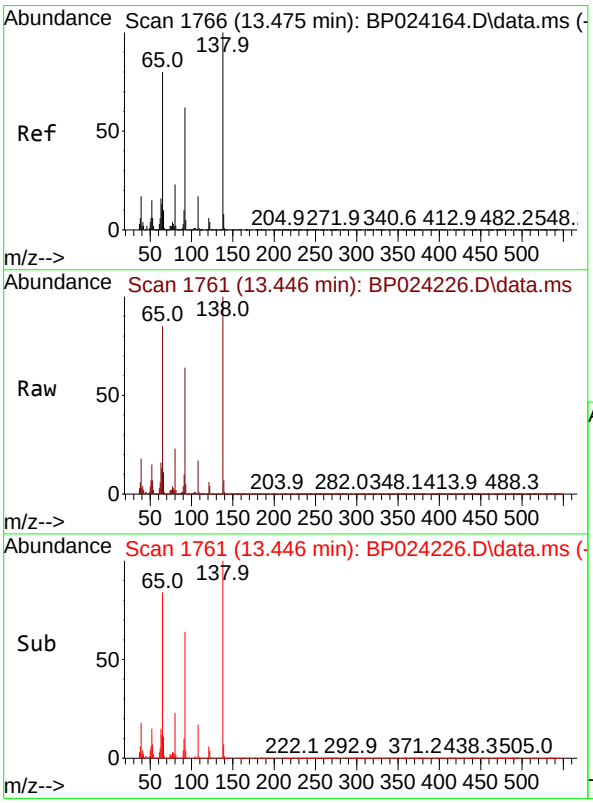

#47
2-Chloronaphthalene
Concen: 40.719 ng
RT: 13.240 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:162 Resp: 2051169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 39.7 | 31.5 | 47.3 |
| 164 | 32.7 | 26.6 | 39.8 |

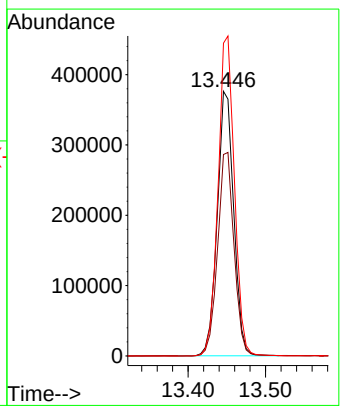


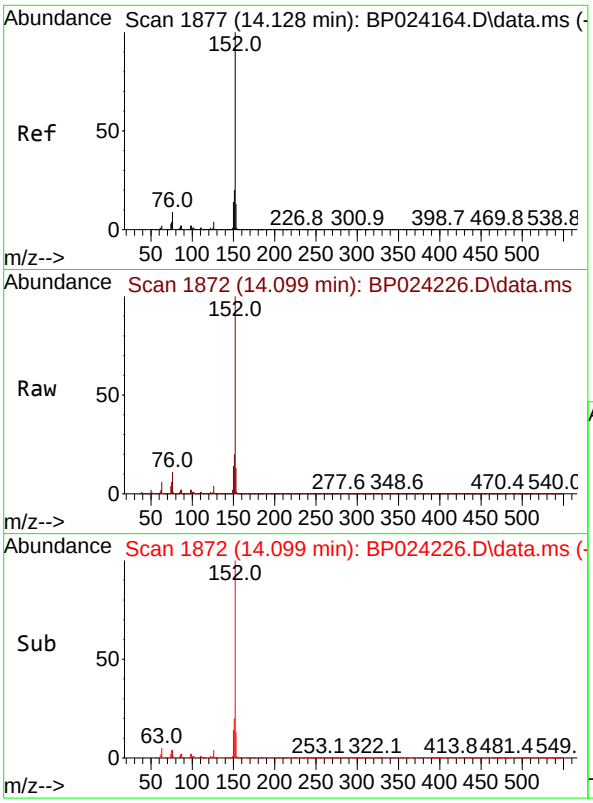




#48
2-Nitroaniline
Concen: 43.269 ng
RT: 13.446 min Scan# 1761
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion: 65 Resp: 557492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 76.1 | 62.1 | 93.1 |
| 138 | 118.2 | 99.5 | 149.3 |



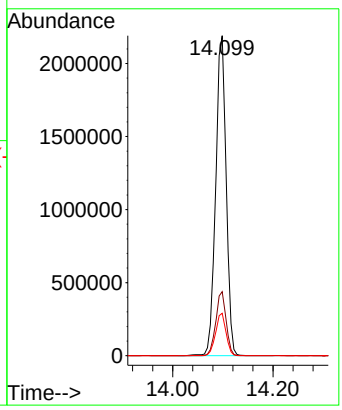


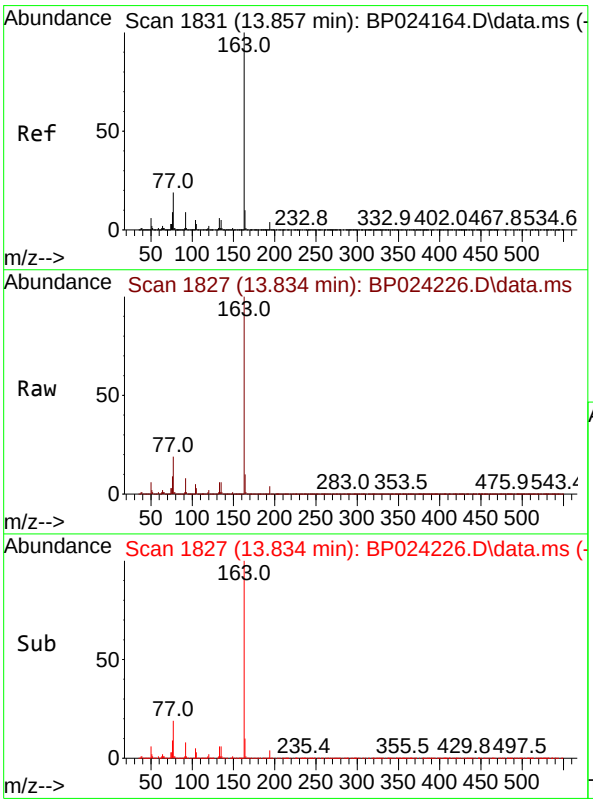

#49
Acenaphthylene
Concen: 41.605 ng
RT: 14.099 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:152 Resp: 3171238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.0 | 16.0 | 24.0 |
| 153 | 13.3 | 10.6 | 15.8 |

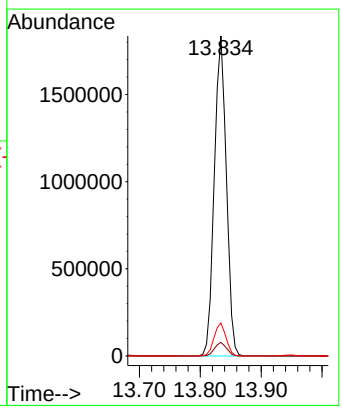


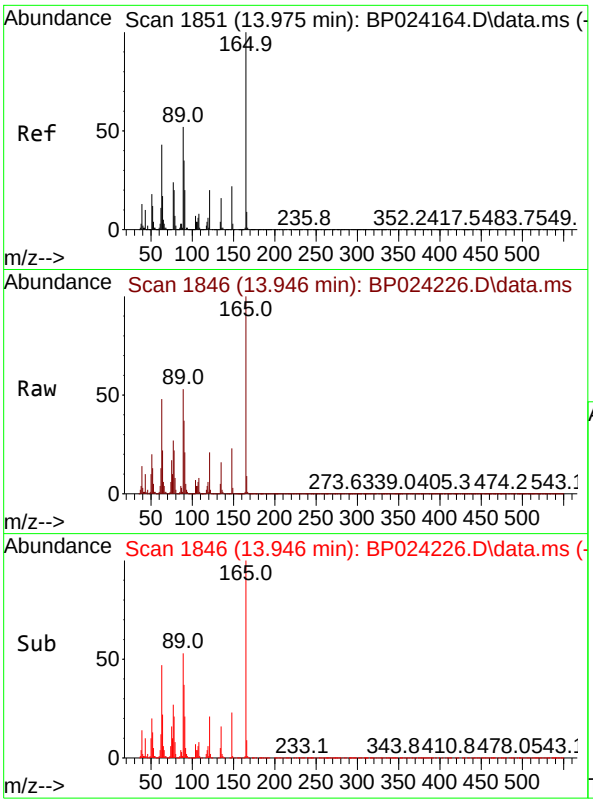




#50
Dimethylphthalate
Concen: 40.387 ng
RT: 13.834 min Scan# 1827
Delta R.T. -0.023 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:163 Resp: 2518565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.4 | 5.0 |
| 164 | 10.3 | 8.2 | 12.4 |



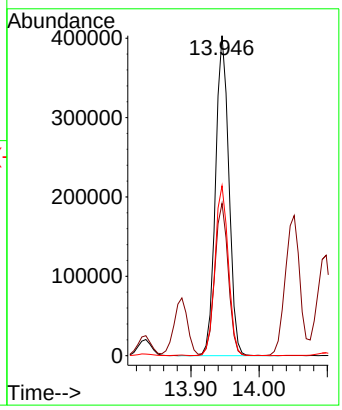


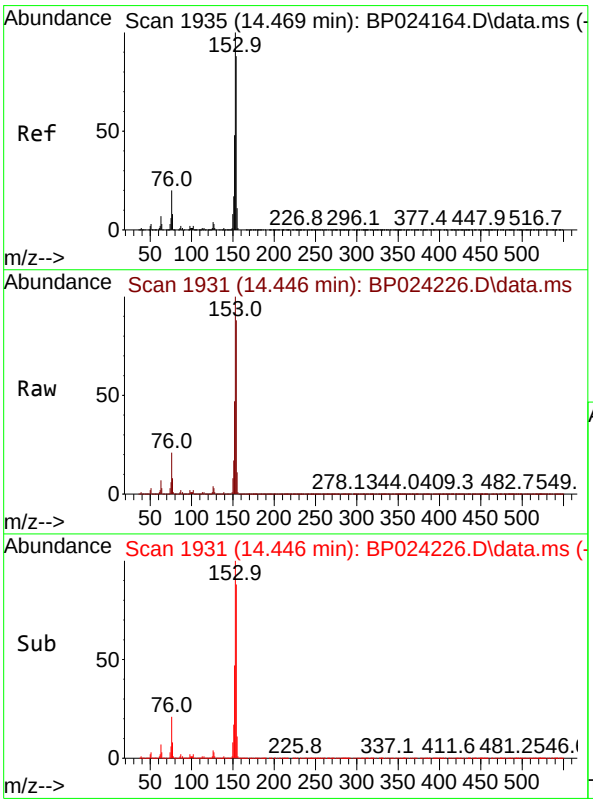

#51
2,6-Dinitrotoluene
Concen: 41.787 ng
RT: 13.946 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:165 Resp: 548282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 47.6 | 37.7 | 56.5 |
| 89 | 53.1 | 41.9 | 62.9 |

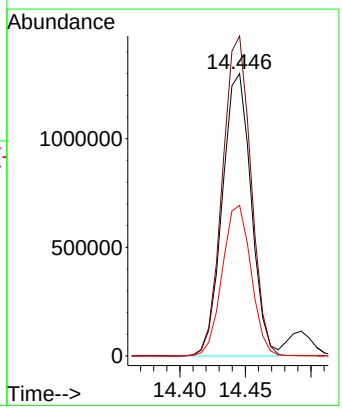


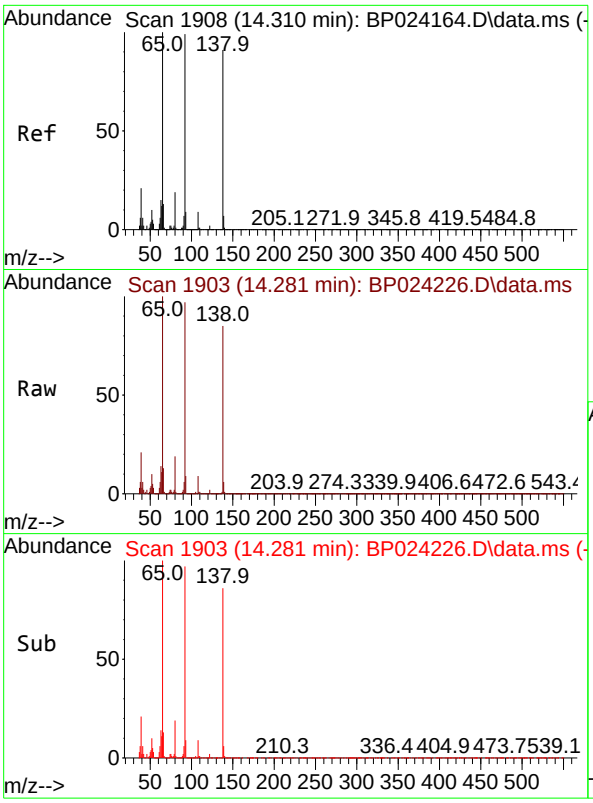




#52
Acenaphthene
Concen: 40.764 ng
RT: 14.446 min Scan# 1931
Delta R.T. -0.023 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:154 Resp: 1985187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.3 | 90.5 | 135.7 |
| 152 | 53.3 | 43.1 | 64.7 |



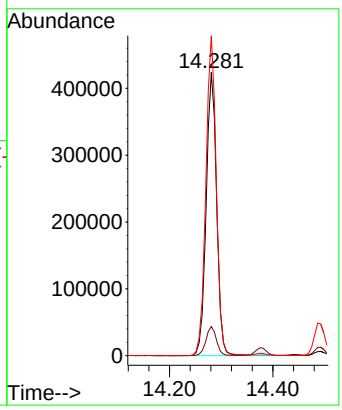


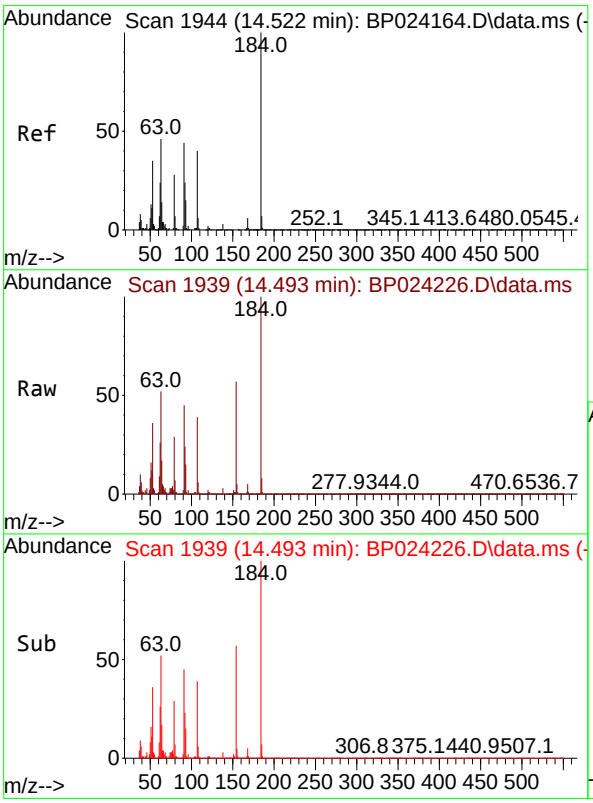

#53
3-Nitroaniline
Concen: 41.928 ng
RT: 14.281 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:138 Resp: 594175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.3 | 8.2 | 12.2 |
| 92 | 113.0 | 86.7 | 130.1 |

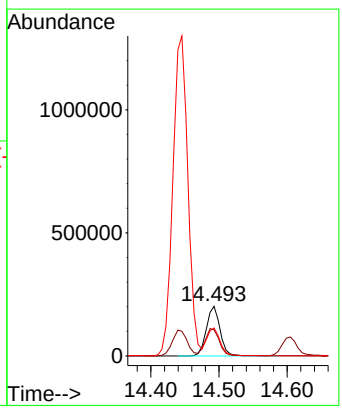


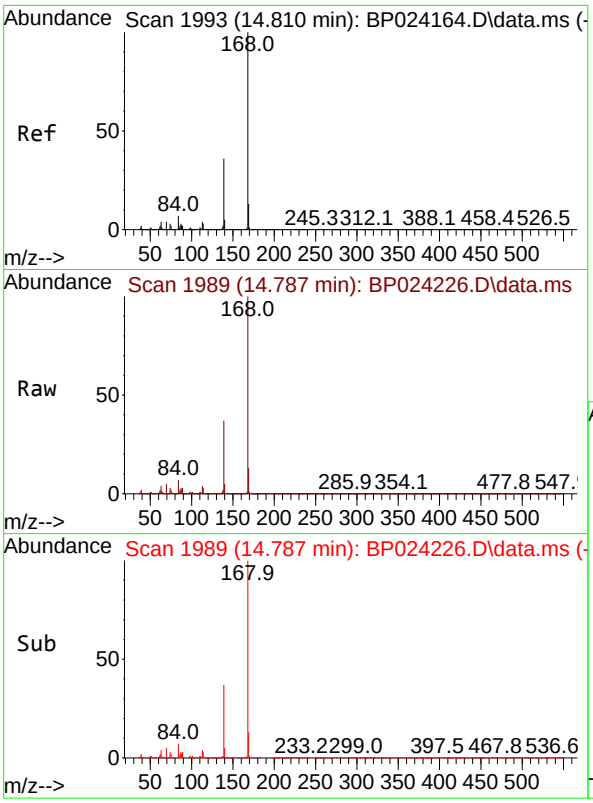




#54
2,4-Dinitrophenol
Concen: 40.700 ng
RT: 14.493 min Scan# 1939
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:184 Resp: 282567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 52.4 | 42.1 | 63.1 |
| 154 | 56.5 | 44.6 | 67.0 |



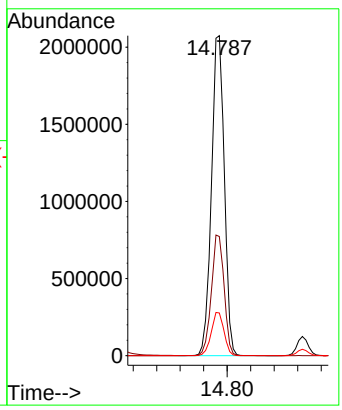


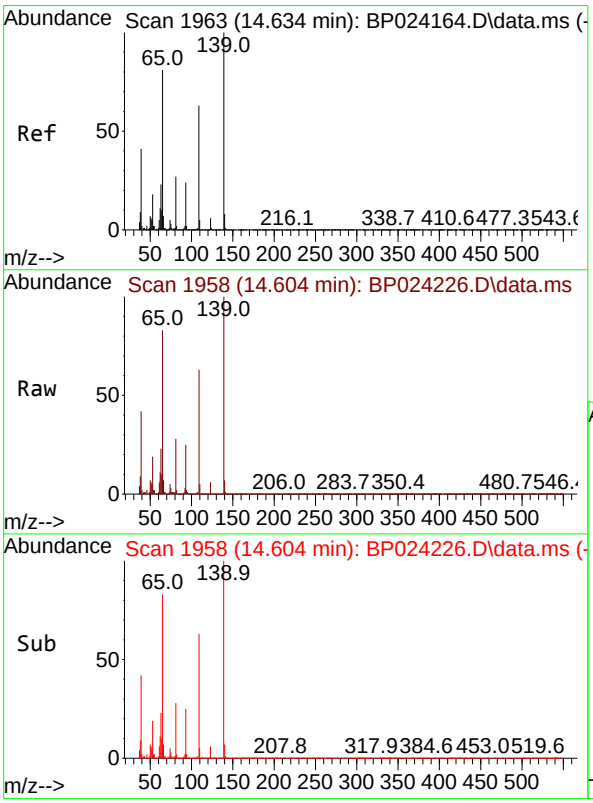

#55
Dibenzofuran
Concen: 39.898 ng
RT: 14.787 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:168 Resp: 3147389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.2 | 29.1 | 43.7 |
| 169 | 13.4 | 10.8 | 16.2 |

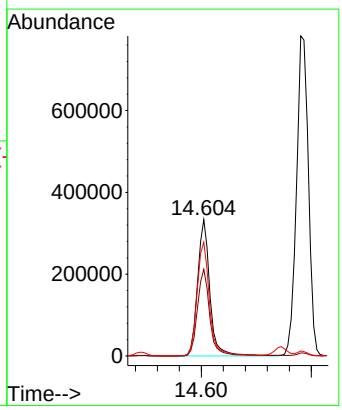


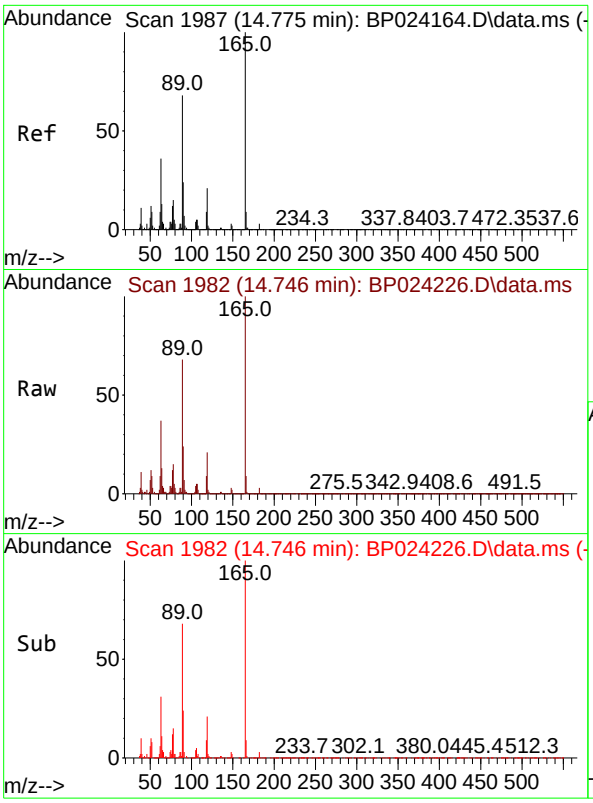




#56
4-Nitrophenol
Concen: 43.456 ng
RT: 14.604 min Scan# 1958
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:139 Resp: 514579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 63.5 | 43.3 | 83.3 |
| 65 | 83.3 | 61.2 | 101.2 |



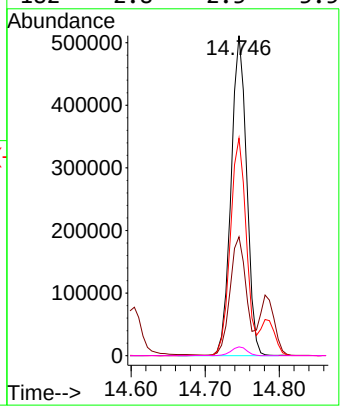


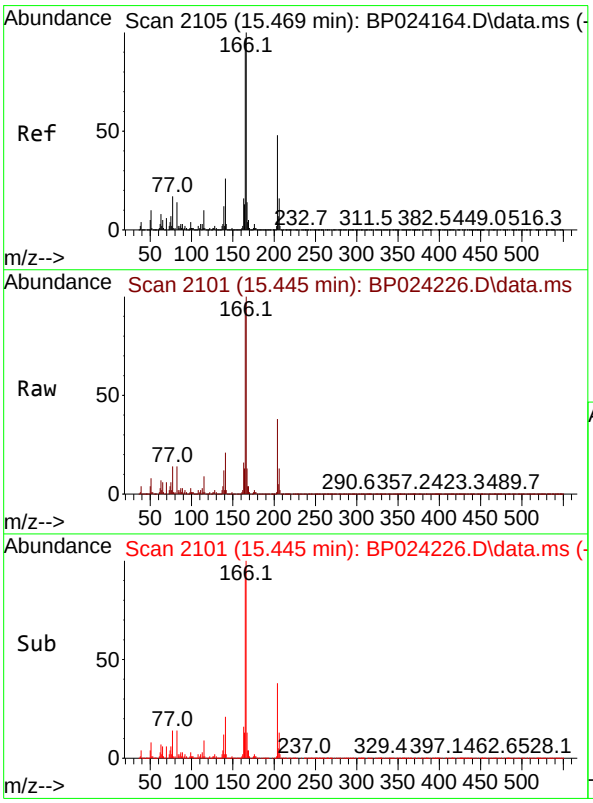

#57
2,4-Dinitrotoluene
Concen: 42.953 ng
RT: 14.746 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:165 Resp: 744447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 37.2 | 29.0 | 43.6 |
| 89 | 67.9 | 54.2 | 81.4 |
| 182 | 2.8 | 2.3 | 3.5 |

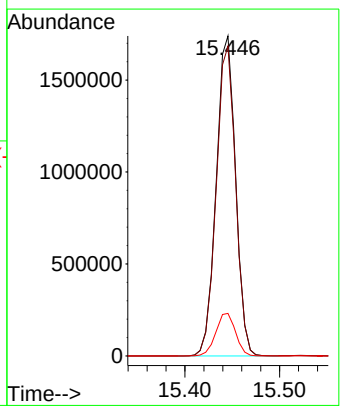


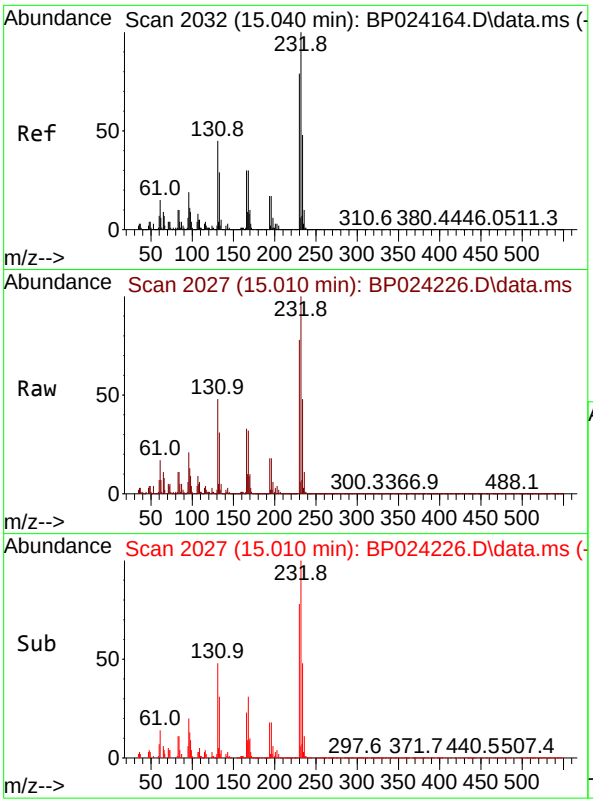




#58
Fluorene
Concen: 40.261 ng
RT: 15.445 min Scan# 2101
Delta R.T. -0.023 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:166 Resp: 2474519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.8 | 77.6 | 116.4 |
| 167 | 13.3 | 10.8 | 16.2 |



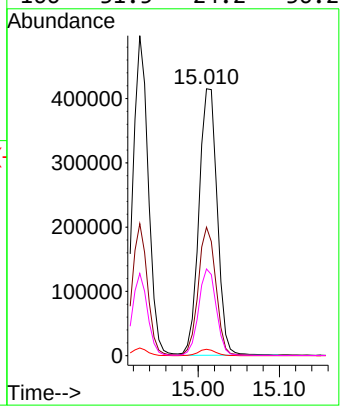


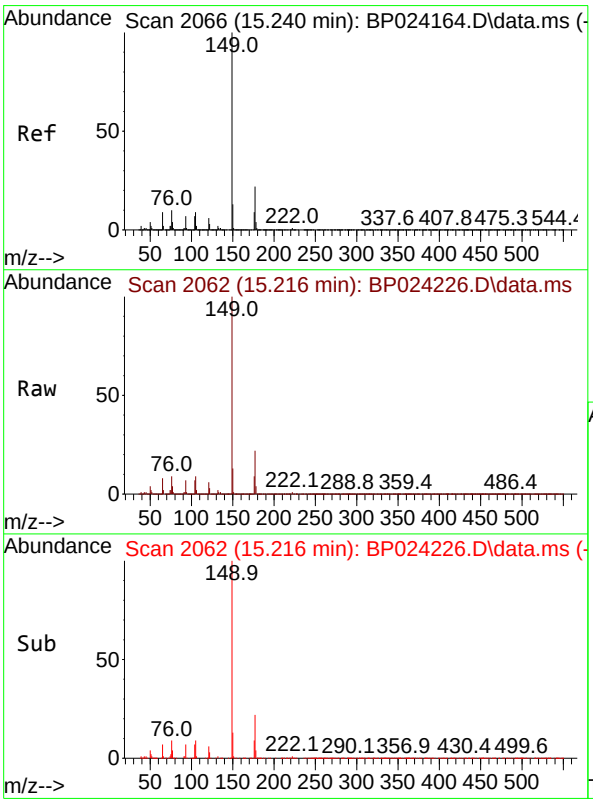

#59
2,3,4,6-Tetrachlorophenol
Concen: 40.731 ng
RT: 15.010 min Scan# 2
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:232 Resp: 646152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.6 | 35.9 | 53.9 |
| 130 | 2.3 | 1.8 | 2.6 |
| 166 | 31.5 | 24.2 | 36.2 |

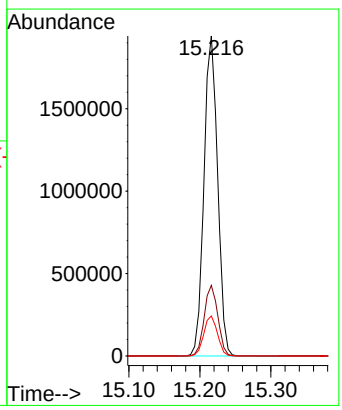


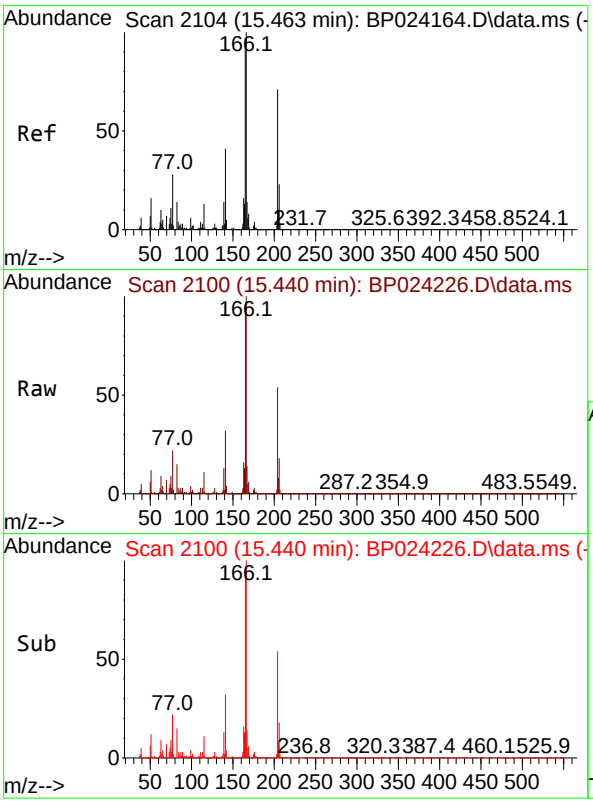




#60
Diethylphthalate
Concen: 41.807 ng
RT: 15.216 min Scan# 2062
Delta R.T. -0.023 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:149 Resp: 2596236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.1 | 17.7 | 26.5 |
| 150 | 12.5 | 10.2 | 15.4 |



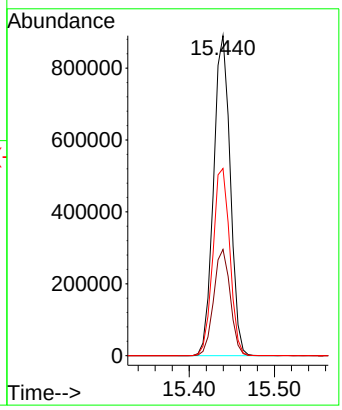


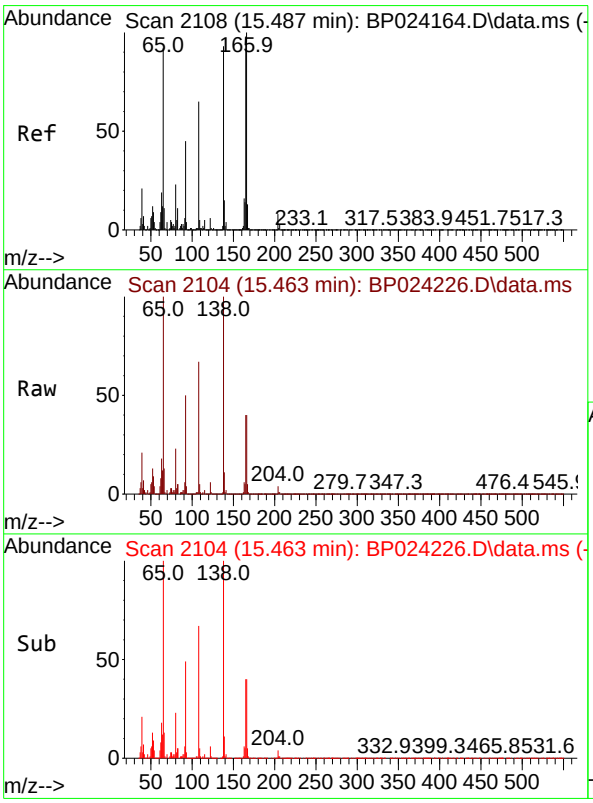

#61
4-Chlorophenyl-phenylether
Concen: 40.097 ng
RT: 15.440 min Scan# 21
Delta R.T. -0.023 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:204 Resp: 1208752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.2 | 26.4 | 39.6 |
| 141 | 58.5 | 45.8 | 68.8 |

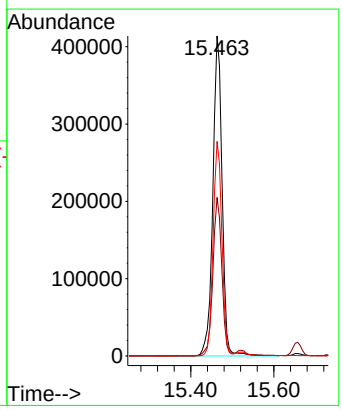


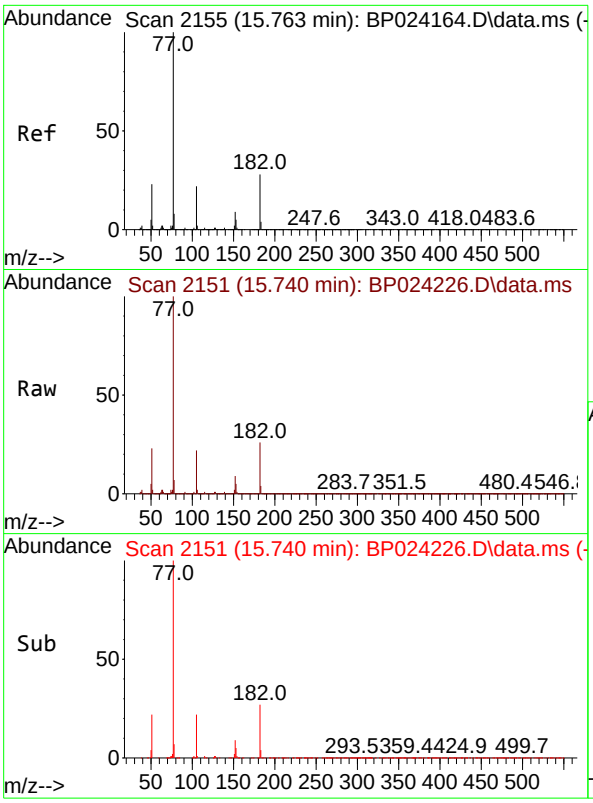




#62
4-Nitroaniline
Concen: 43.029 ng
RT: 15.463 min Scan# 2104
Delta R.T. -0.023 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:138 Resp: 639560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.6 | 28.7 | 68.7 |
| 108 | 67.0 | 49.5 | 89.5 |



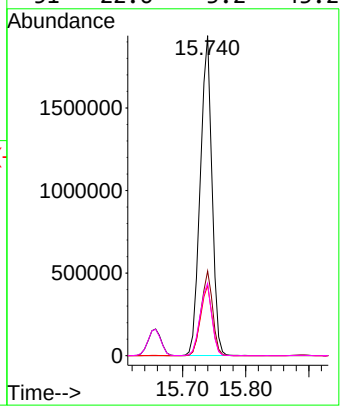


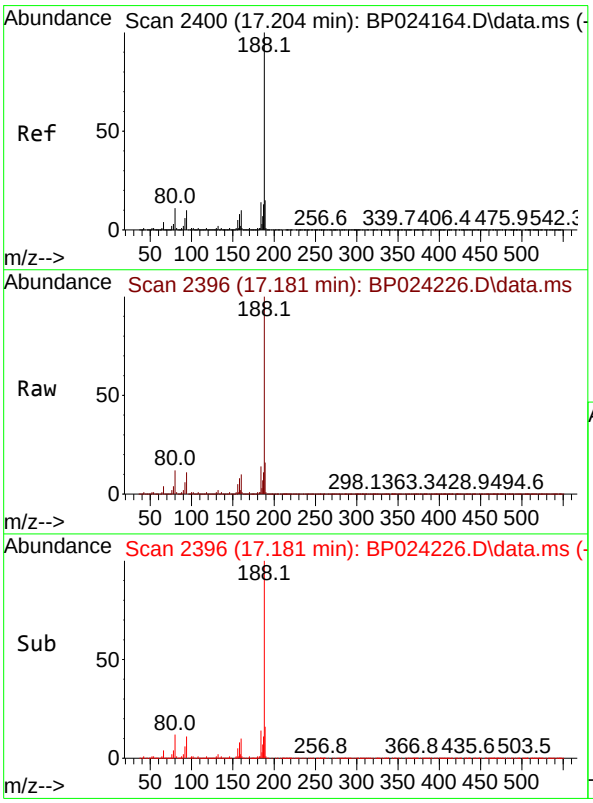

#63
Azobenzene
Concen: 42.619 ng
RT: 15.740 min Scan# 21
Delta R.T. -0.023 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 77 Resp: 2494527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.4 | 7.7 | 47.7 |
| 105 | 22.0 | 2.3 | 42.3 |
| 51 | 22.6 | 3.2 | 43.2 |

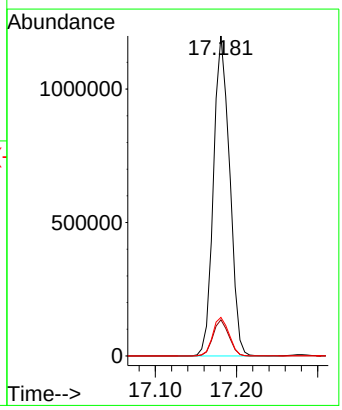


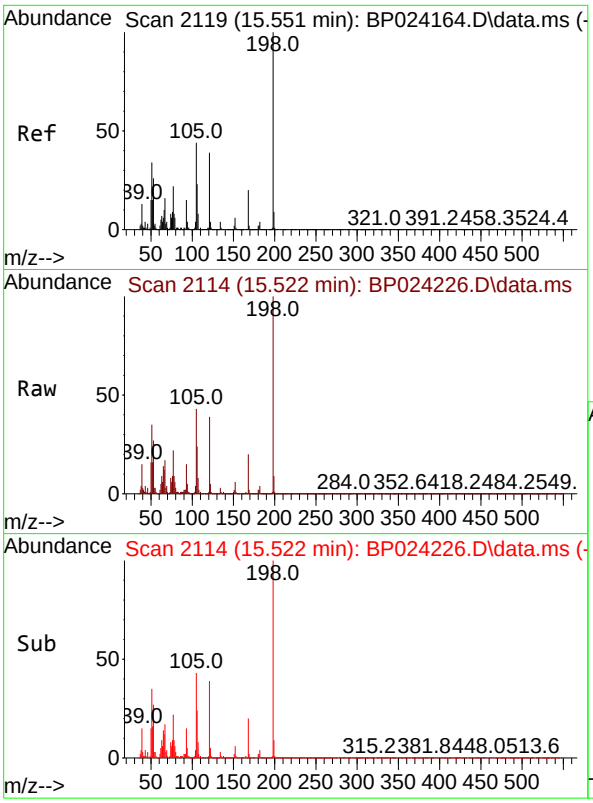




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.181 min Scan# 2396
Delta R.T. -0.023 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:188 Resp: 1662194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.3 | 8.1 | 12.1 |
| 80 | 12.0 | 8.9 | 13.3 |



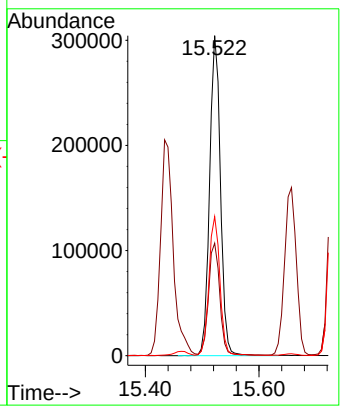


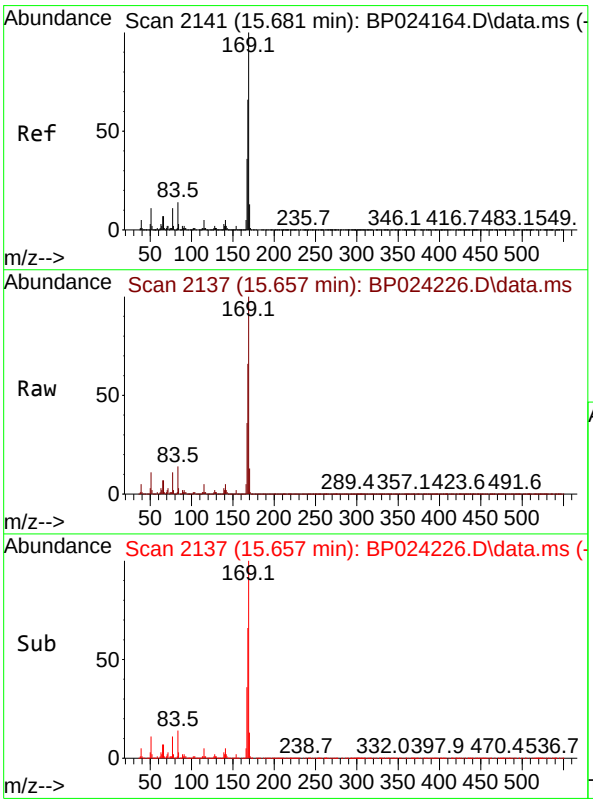

#65
4,6-Dinitro-2-methylphenol
Concen: 40.583 ng
RT: 15.522 min Scan# 21
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:198 Resp: 400468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 35.2 | 14.7 | 54.7 |
| 105 | 43.4 | 23.8 | 63.8 |

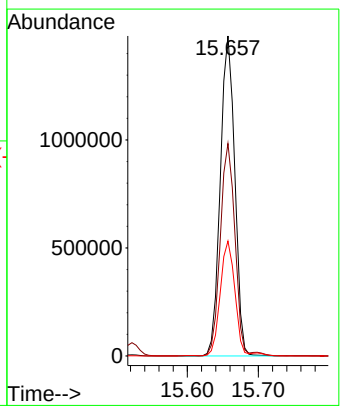


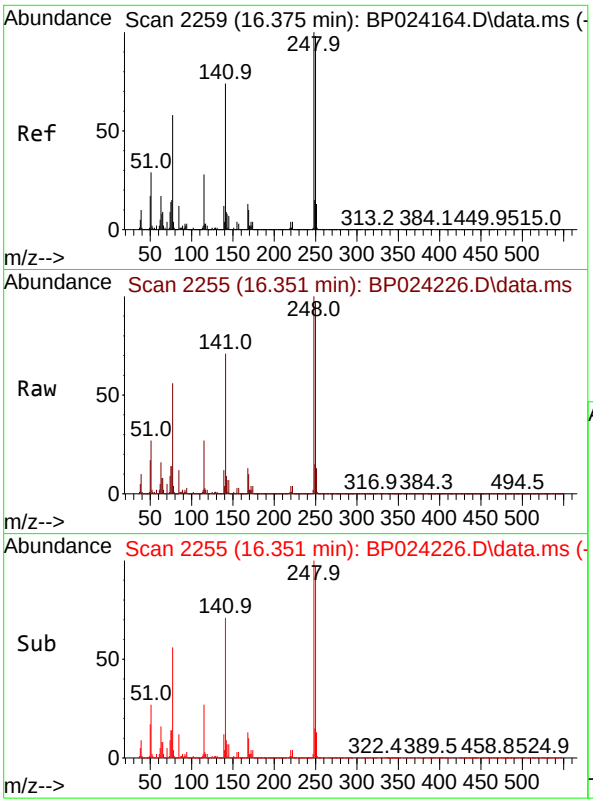




#66
n-Nitrosodiphenylamine
Concen: 41.447 ng
RT: 15.657 min Scan# 2137
Delta R.T. -0.023 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:169 Resp: 2092015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.4 | 52.9 | 79.3 |
| 167 | 35.9 | 28.8 | 43.2 |



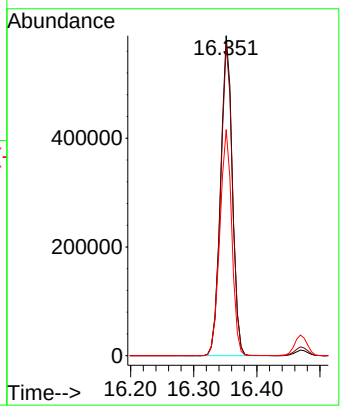


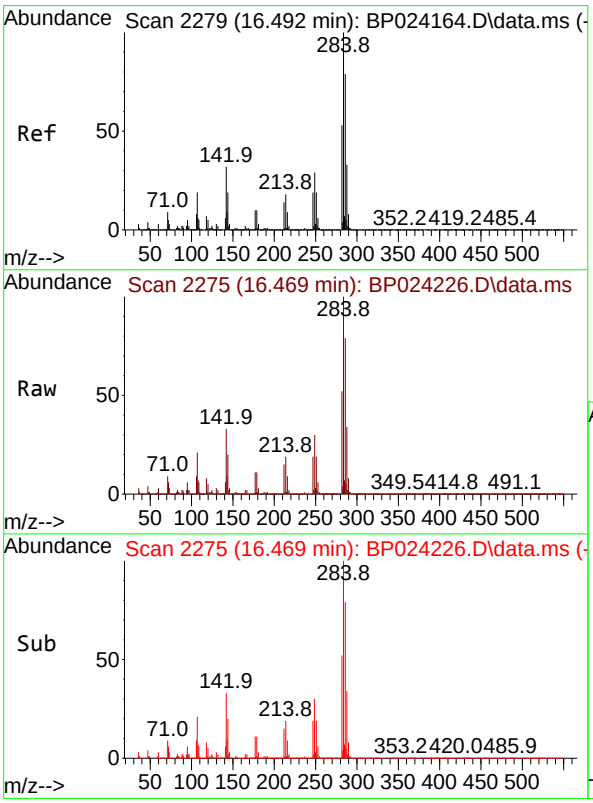

#67
4-Bromophenyl-phenylether
Concen: 41.688 ng
RT: 16.351 min Scan# 2
Delta R.T. -0.023 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:248 Resp: 760770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.3 | 78.4 | 117.6 |
| 141 | 70.6 | 59.4 | 89.0 |

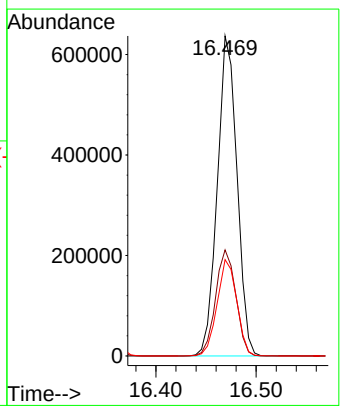


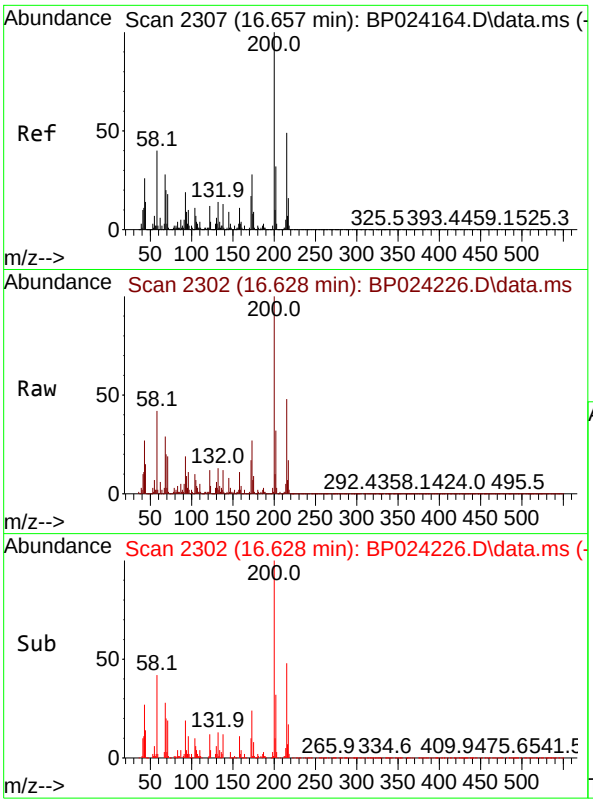




#68
Hexachlorobenzene
Concen: 40.204 ng
RT: 16.469 min Scan# 2275
Delta R.T. -0.023 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:284 Resp: 868411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 33.2 | 25.4 | 38.2 |
| 249 | 30.1 | 23.5 | 35.3 |



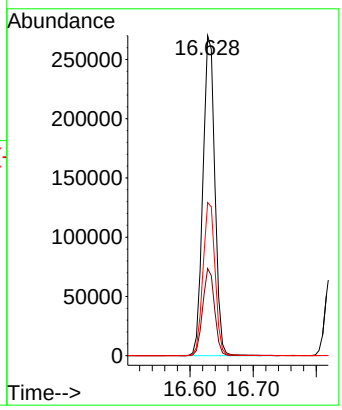


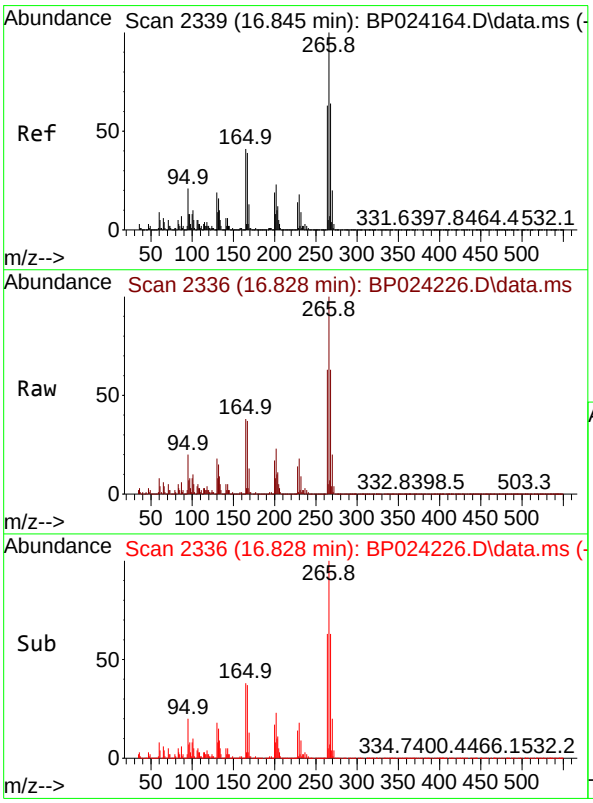

#69
Atrazine
Concen: 29.184 ng
RT: 16.628 min Scan# 2
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:200 Resp: 355549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.3 | 7.6 | 47.6 |
| 215 | 47.8 | 29.0 | 69.0 |

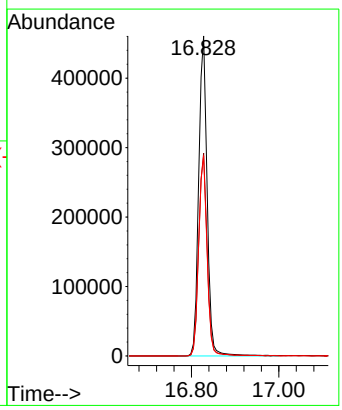


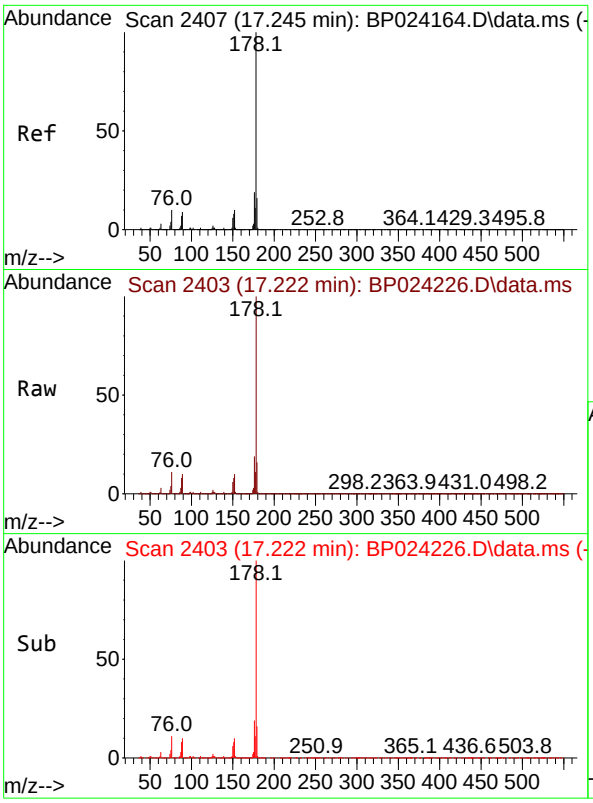




#70
Pentachlorophenol
Concen: 44.409 ng
RT: 16.828 min Scan# 2336
Delta R.T. -0.018 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:266 Resp: 620319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.4 | 51.3 | 76.9 |
| 264 | 62.6 | 50.6 | 76.0 |



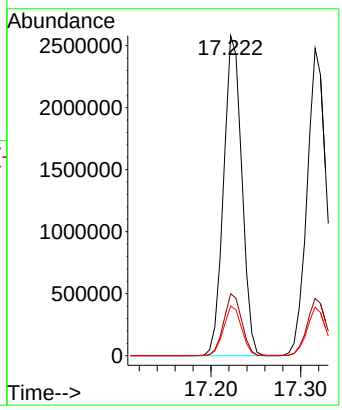


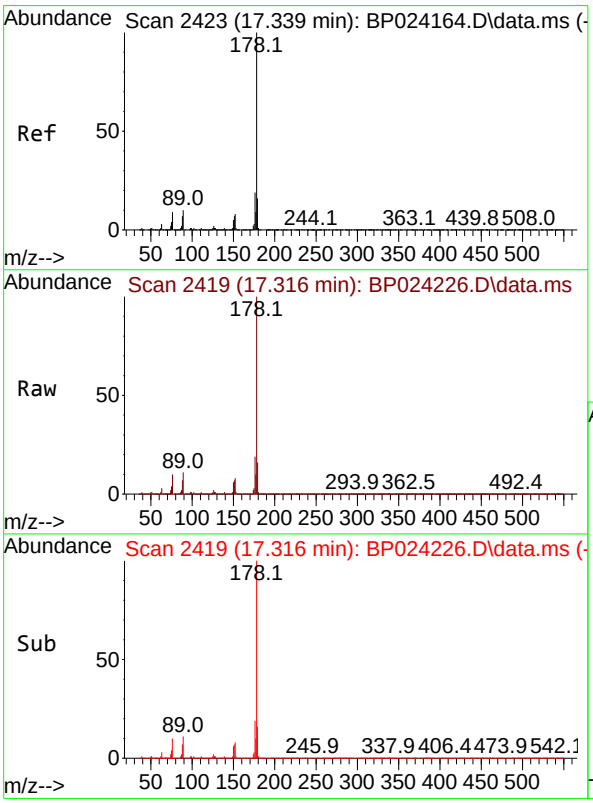

#71
Phenanthrene
Concen: 40.022 ng
RT: 17.222 min Scan# 24
Delta R.T. -0.023 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:178 Resp: 3634197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 15.6 | 23.4 |
| 179 | 15.5 | 12.5 | 18.7 |

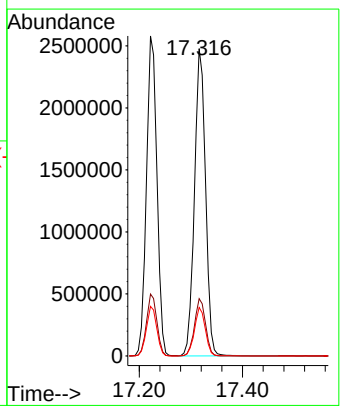


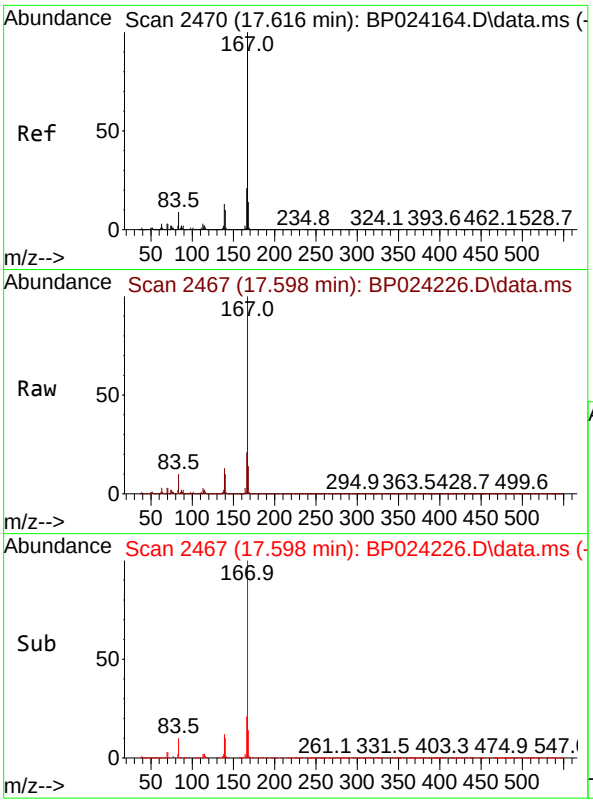




#72
Anthracene
Concen: 41.654 ng
RT: 17.316 min Scan# 2419
Delta R.T. -0.023 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:178 Resp: 3683868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 15.2 | 22.8 |
| 179 | 15.8 | 12.6 | 18.8 |



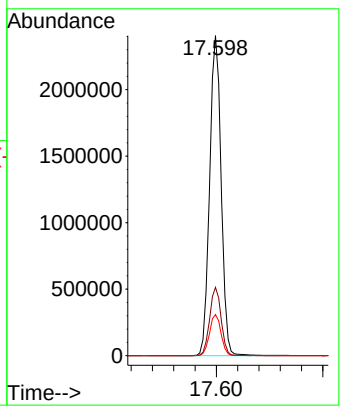


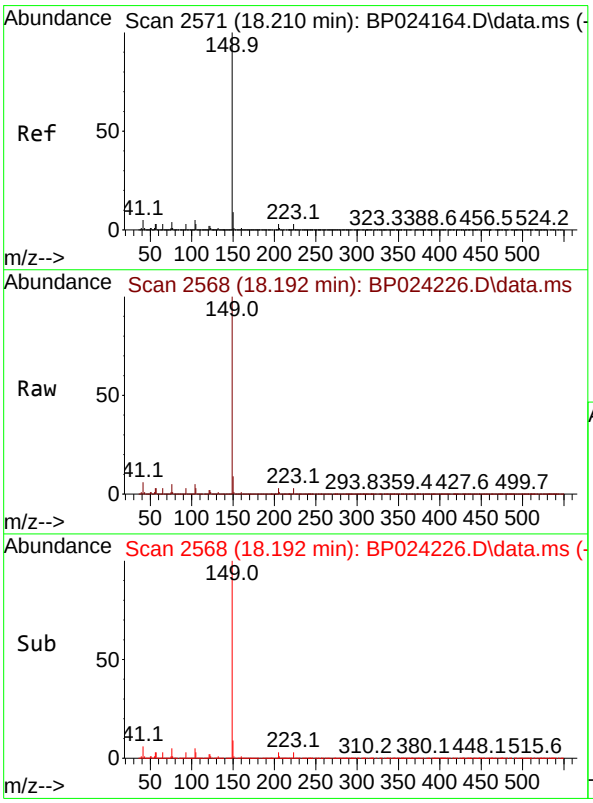

#73
Carbazole
Concen: 42.208 ng
RT: 17.598 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:167 Resp: 3599930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.4 | 17.1 | 25.7 |
| 139 | 12.8 | 10.2 | 15.4 |

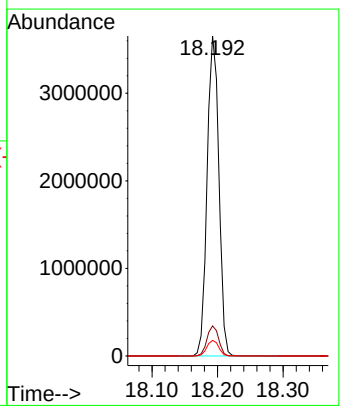


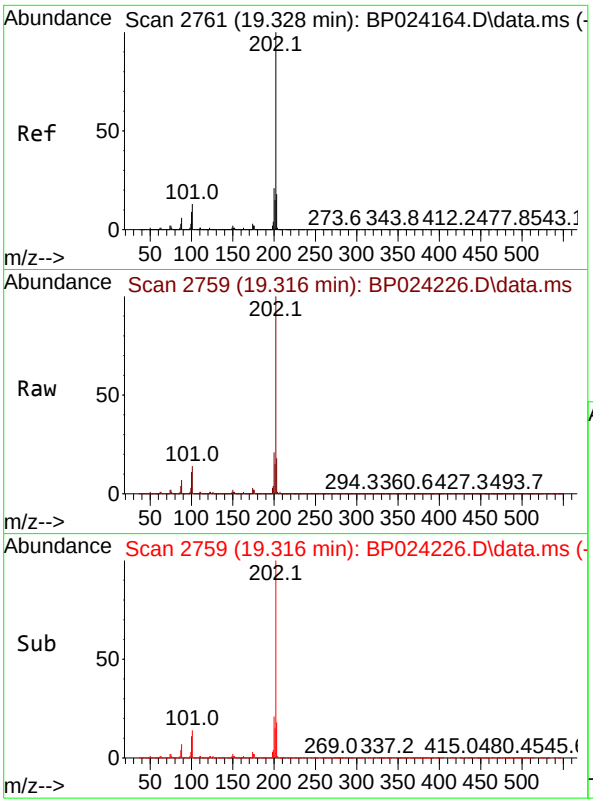




#74
Di-n-butylphthalate
Concen: 45.020 ng
RT: 18.192 min Scan# 2568
Delta R.T. -0.018 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:149 Resp: 4558214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.4 | 7.6 | 11.4 |
| 104 | 4.9 | 3.9 | 5.9 |



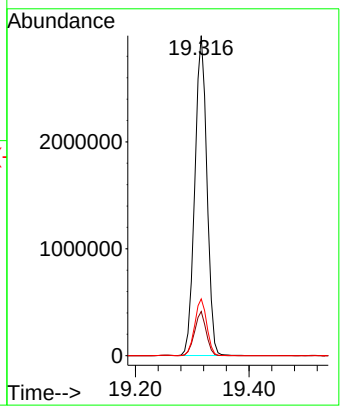


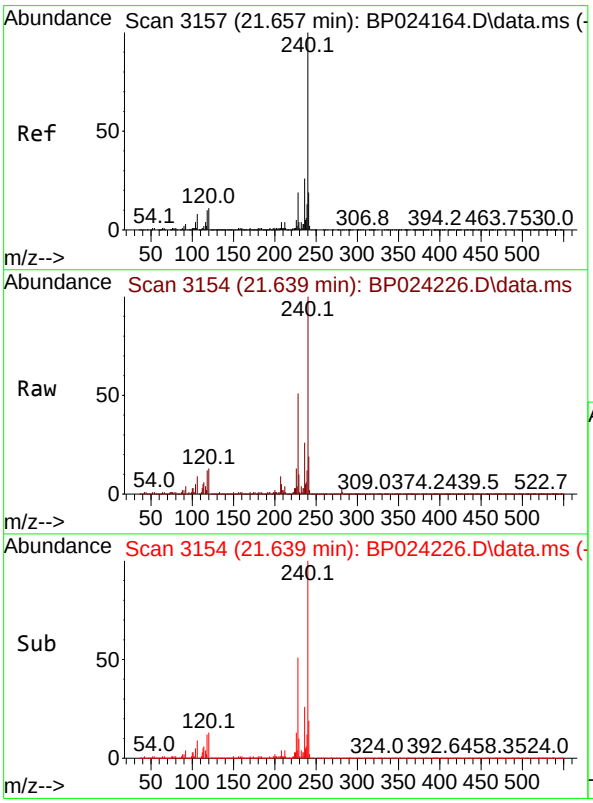

#75
Fluoranthene
Concen: 42.152 ng
RT: 19.316 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:202 Resp: 4433069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.8 | 0.0 | 32.5 |
| 203 | 17.7 | 0.0 | 37.9 |

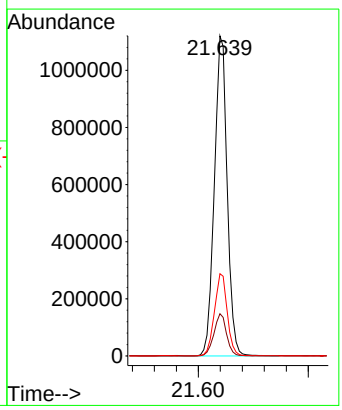


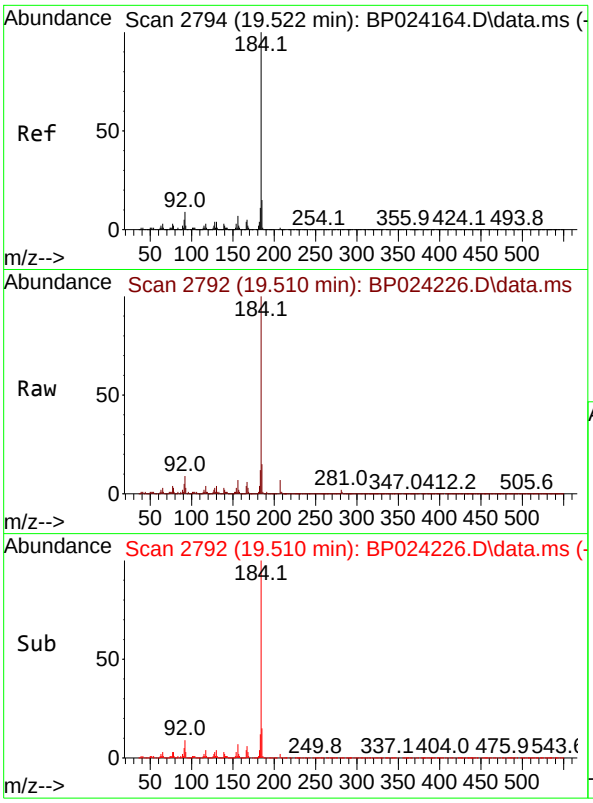




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.639 min Scan# 3154
Delta R.T. -0.018 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:240 Resp: 1816390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.2 | 9.2 | 13.8 |
| 236 | 25.7 | 20.4 | 30.6 |



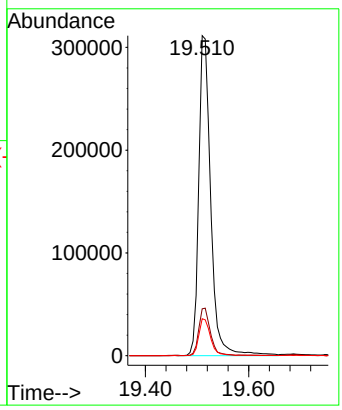


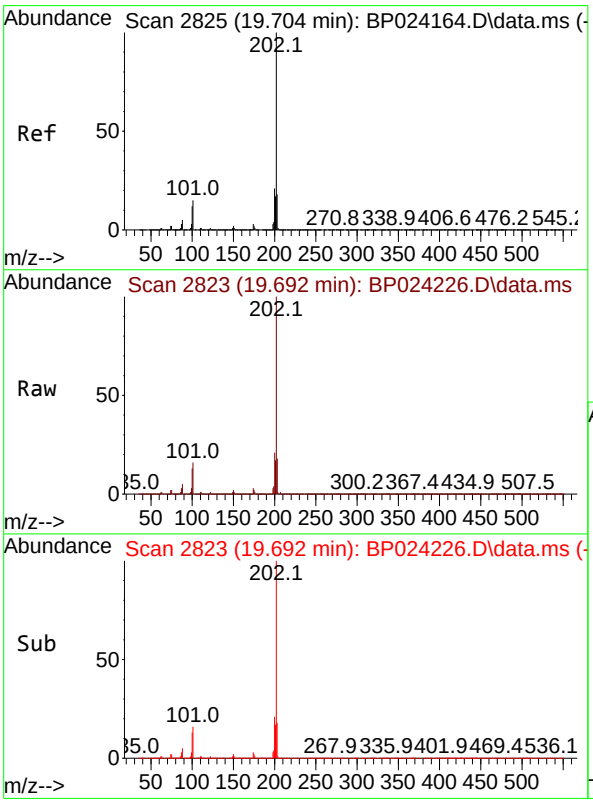

#77
Benzidine
Concen: 25.254 ng
RT: 19.510 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:184 Resp: 501521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.7 | 11.8 | 17.6 |
| 183 | 11.6 | 9.1 | 13.7 |

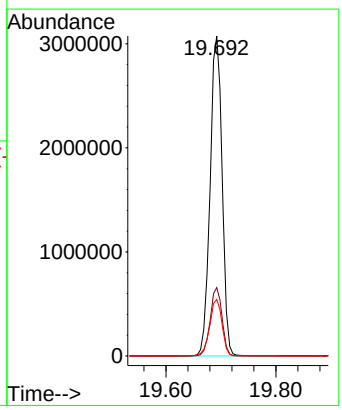


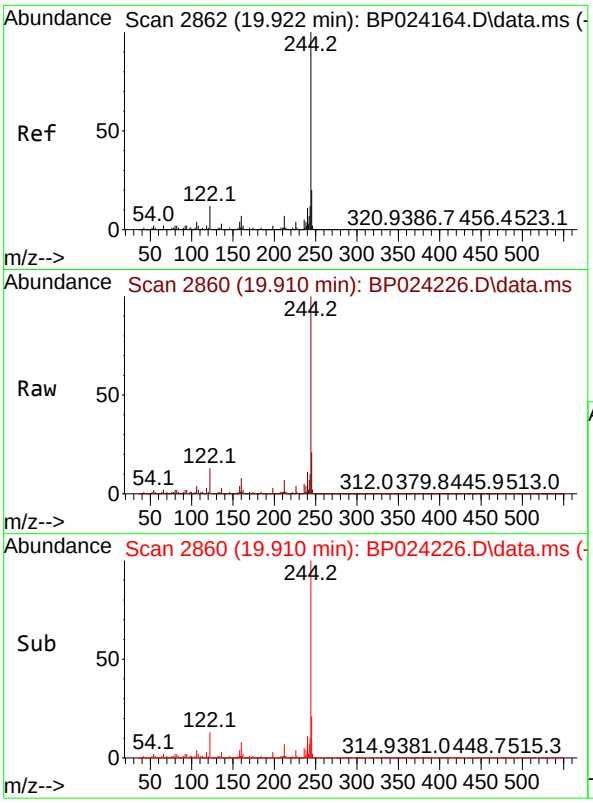




#78
Pyrene
Concen: 41.281 ng
RT: 19.692 min Scan# 2823
Delta R.T. -0.012 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:202 Resp: 4661555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.3 | 17.1 | 25.7 |
| 203 | 17.7 | 14.2 | 21.4 |



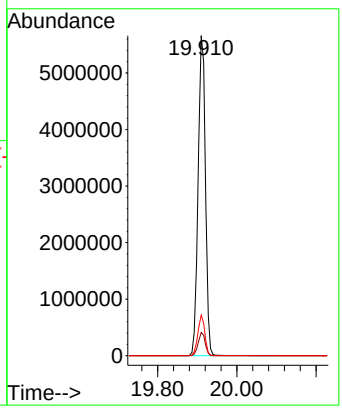


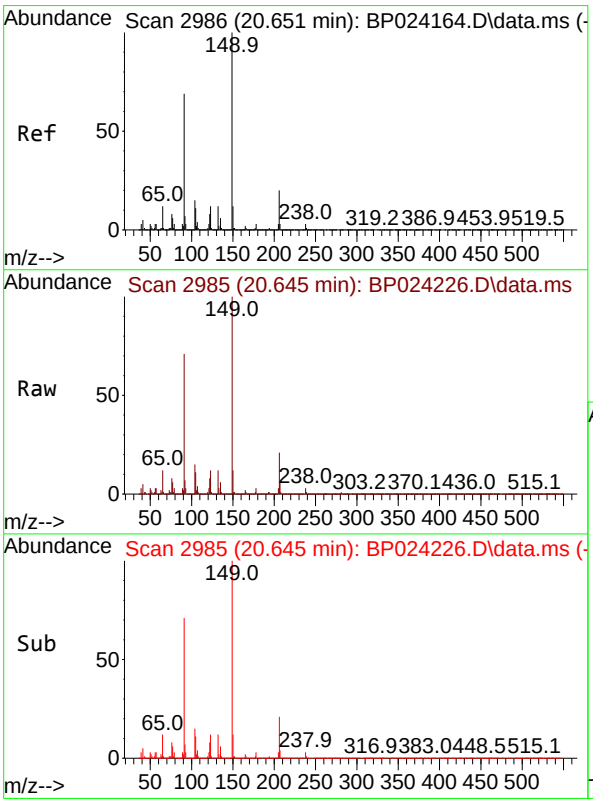

#79
Terphenyl-d14
Concen: 81.861 ng
RT: 19.910 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:244 Resp: 7203280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 5.7 | 8.5 |
| 122 | 12.7 | 9.6 | 14.4 |

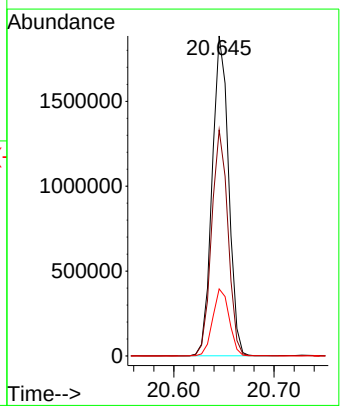


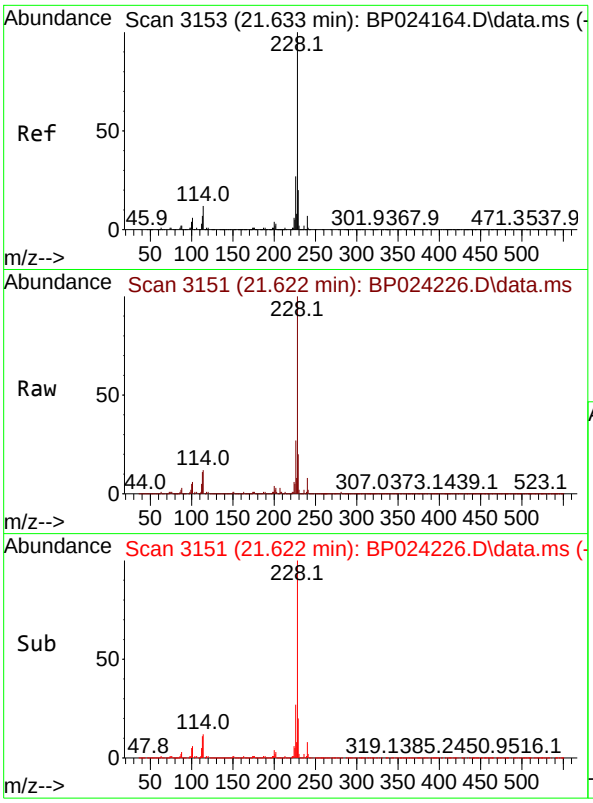




#80
Butylbenzylphthalate
Concen: 46.113 ng
RT: 20.645 min Scan# 2985
Delta R.T. -0.006 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:149 Resp: 2147381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 70.7 | 55.3 | 82.9 |
| 206 | 21.0 | 16.1 | 24.1 |



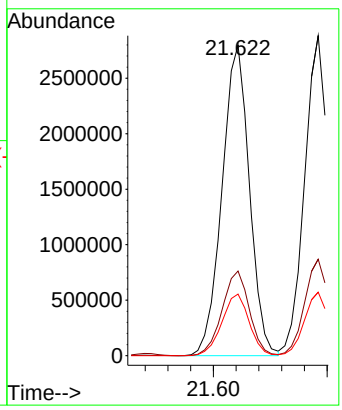


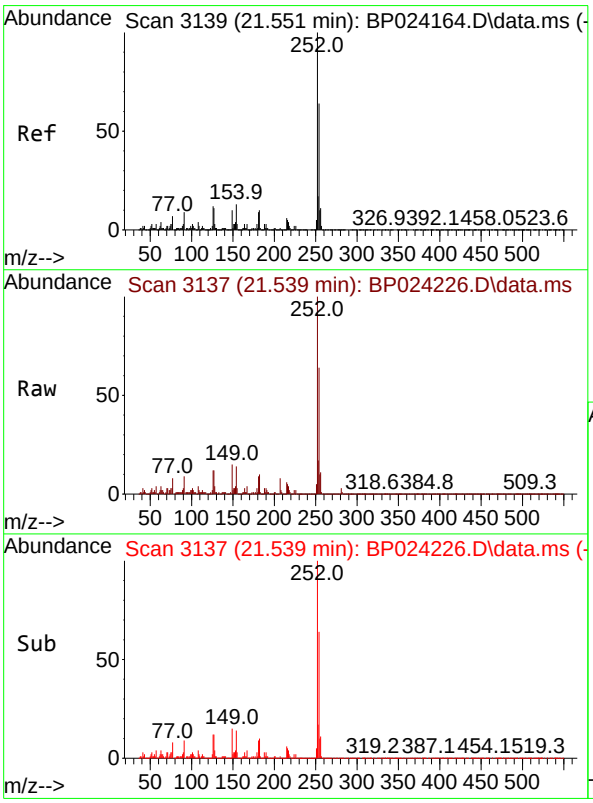

#81
Benzo(a)anthracene
Concen: 41.473 ng
RT: 21.622 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:228 Resp: 4683481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.2 | 21.8 | 32.8 |
| 229 | 19.8 | 16.0 | 24.0 |

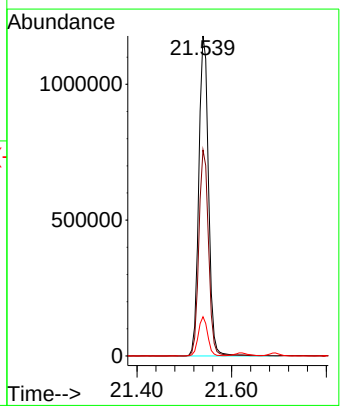


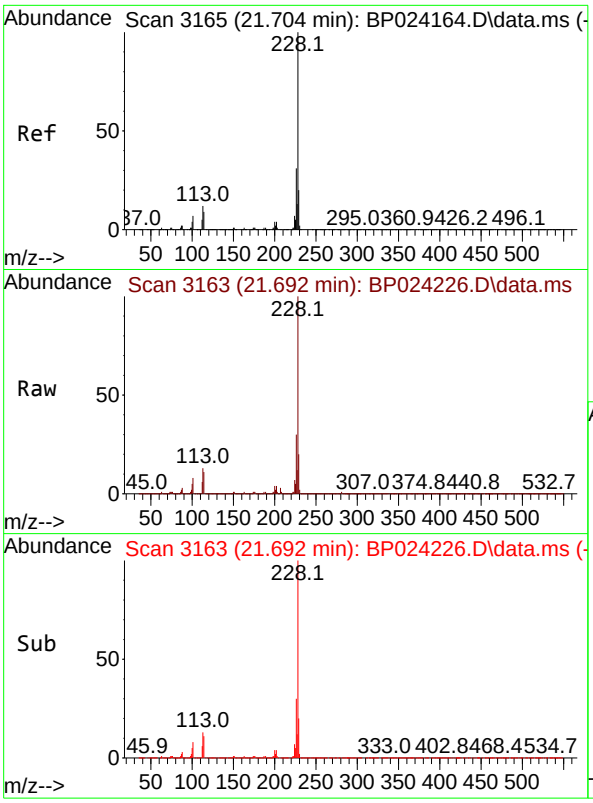




#82
3,3'-Dichlorobenzidine
Concen: 44.097 ng
RT: 21.539 min Scan# 3137
Delta R.T. -0.012 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:252 Resp: 1669038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.3 | 51.4 | 77.2 |
| 126 | 12.3 | 9.3 | 13.9 |



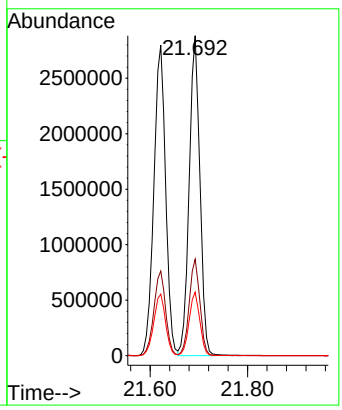


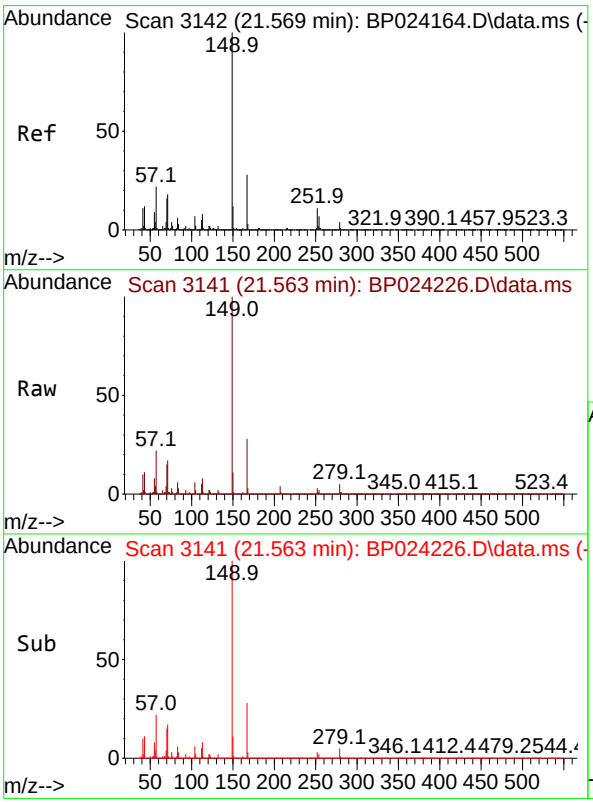

#83
Chrysene
Concen: 40.702 ng
RT: 21.692 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:228 Resp: 4418706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 24.5 | 36.7 |
| 229 | 19.9 | 16.2 | 24.2 |

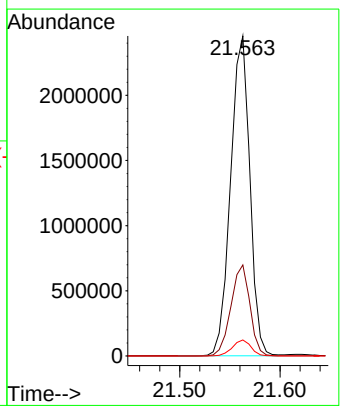


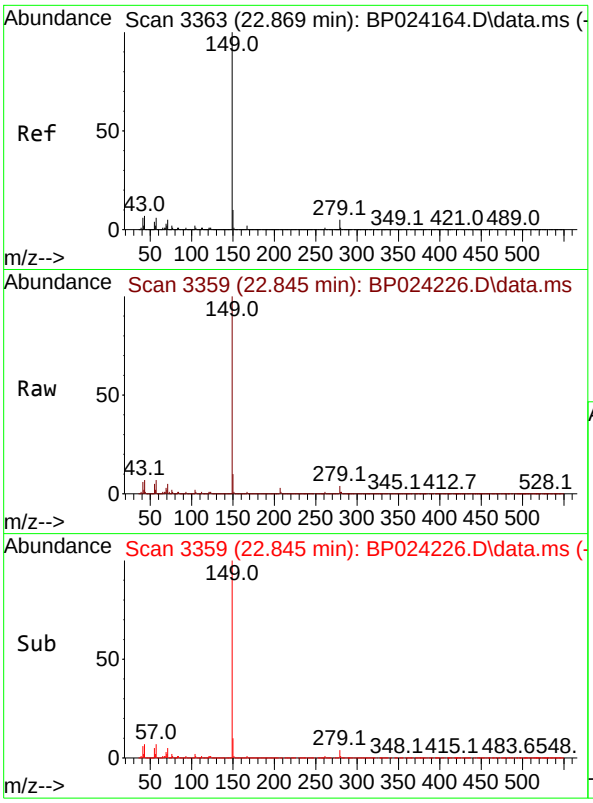




#84
Bis(2-ethylhexyl)phthalate
Concen: 46.527 ng
RT: 21.563 min Scan# 3141
Delta R.T. -0.006 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:149 Resp: 3269298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.4 | 22.5 | 33.7 |
| 279 | 5.0 | 3.6 | 5.4 |



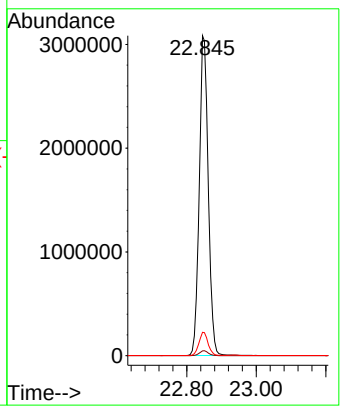


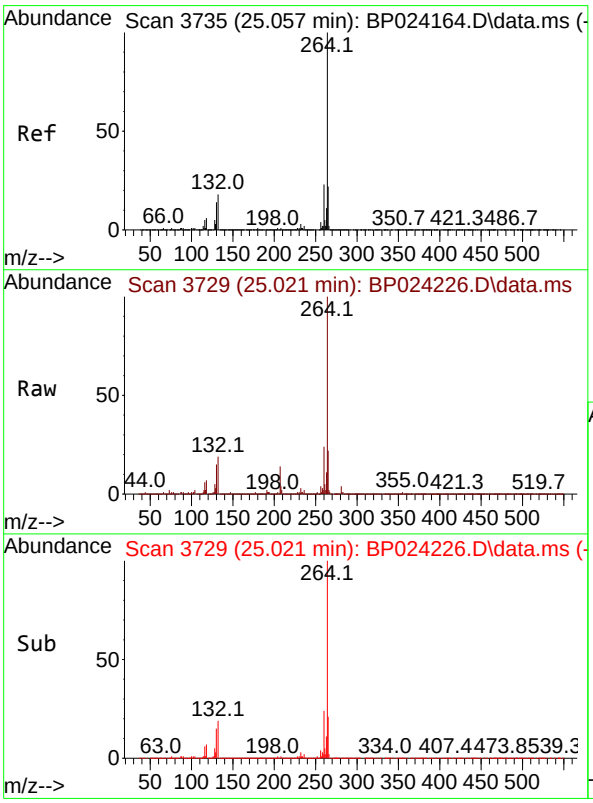

#85
Di-n-octyl phthalate
Concen: 48.999 ng
RT: 22.845 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:149 Resp: 5516405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.3 | 1.9 |
| 43 | 7.5 | 5.8 | 8.8 |

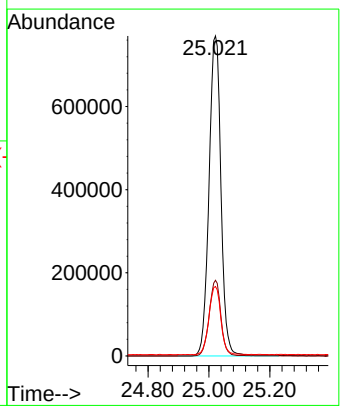


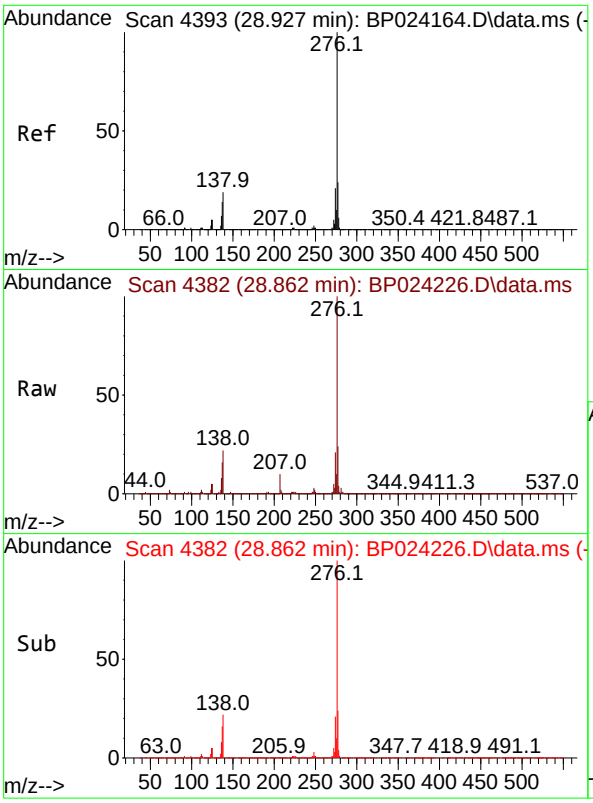




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.021 min Scan# 3729
Delta R.T. -0.035 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:264 Resp: 2095753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 18.5 | 27.7 |
| 265 | 21.7 | 17.7 | 26.5 |



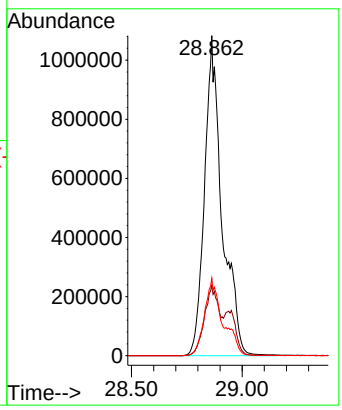


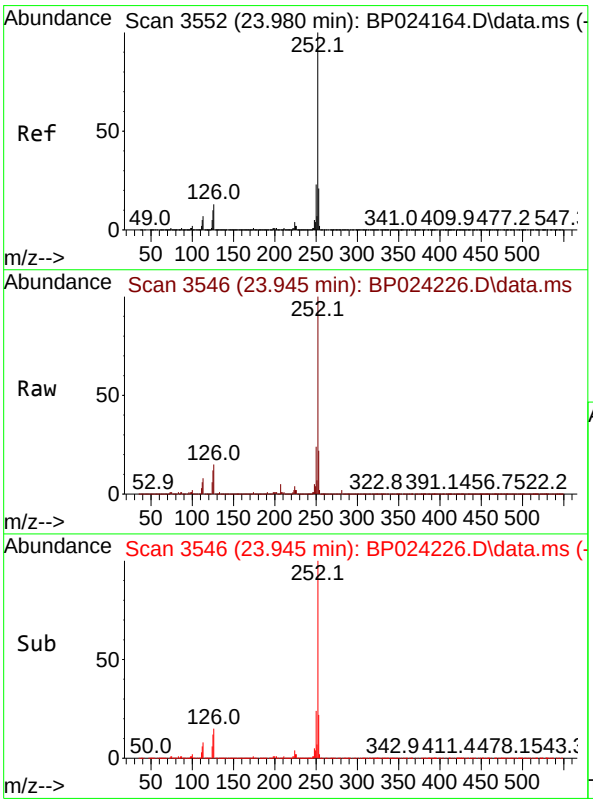

#87
Indeno(1,2,3-cd)pyrene
Concen: 40.707 ng
RT: 28.862 min Scan# 4
Delta R.T. -0.065 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:276 Resp: 5954112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.8 | 13.7 | 20.5 |
| 277 | 25.2 | 20.2 | 30.2 |

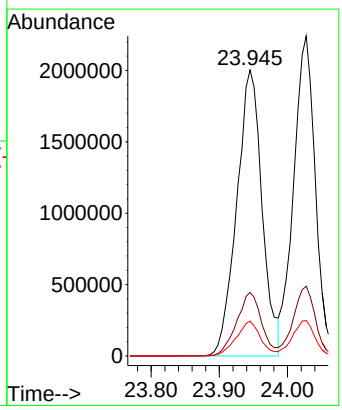


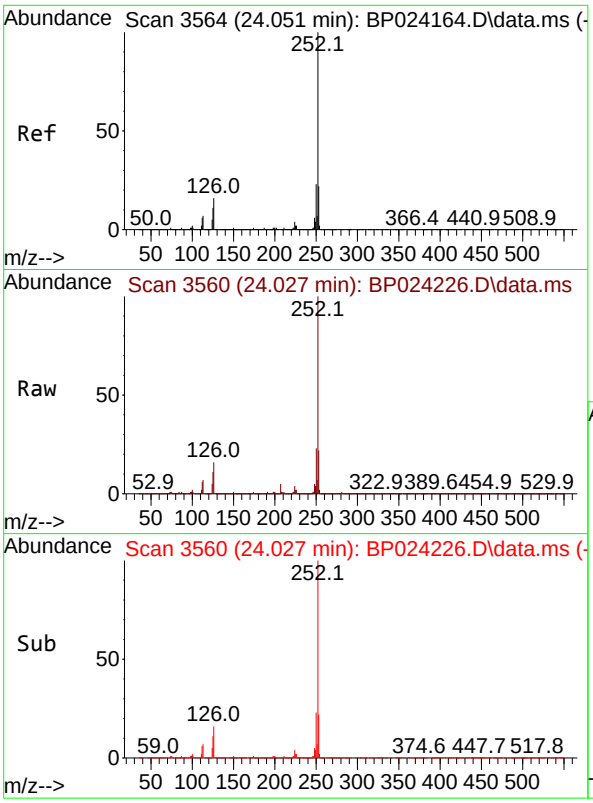




#88
Benzo(b)fluoranthene
Concen: 40.959 ng
RT: 23.945 min Scan# 3546
Delta R.T. -0.035 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:252 Resp: 5175613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.2 | 25.8 |
| 125 | 12.2 | 8.2 | 12.4 |



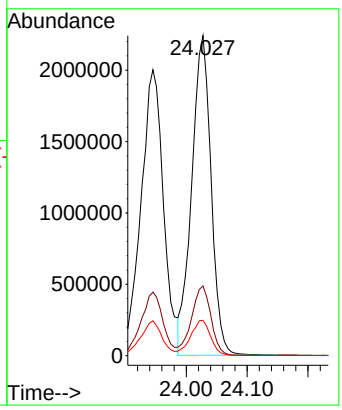


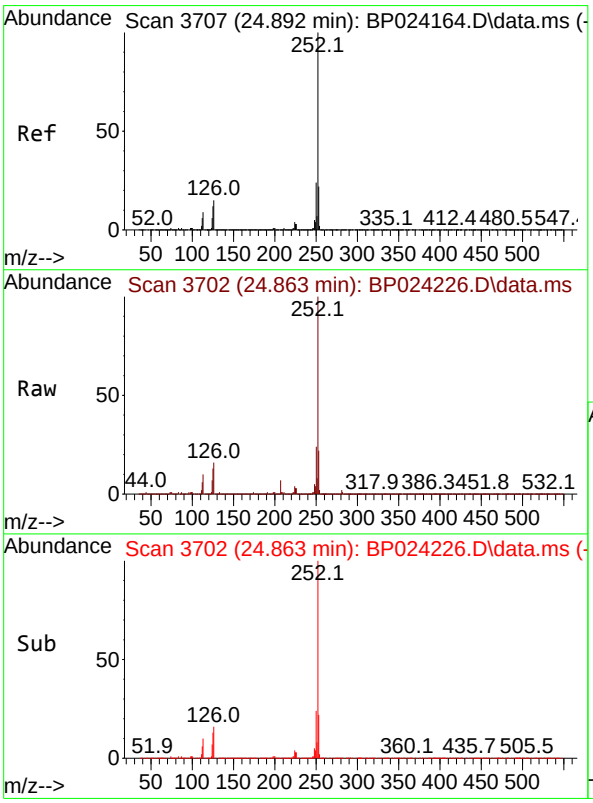

#89
Benzo(k)fluoranthene
Concen: 40.088 ng
RT: 24.027 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:252 Resp: 4955096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.7 | 26.5 |
| 125 | 11.1 | 9.1 | 13.7 |

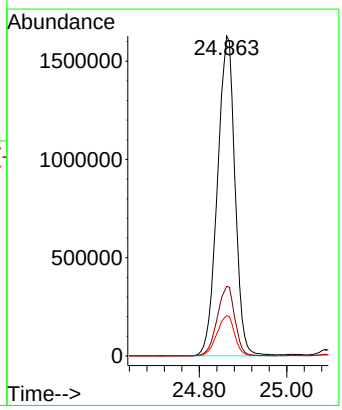


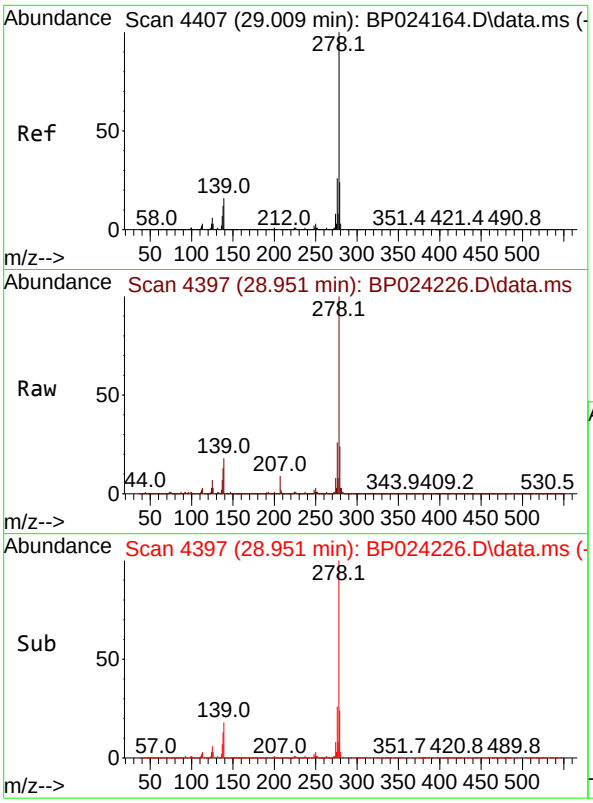




#90
Benzo(a)pyrene
Concen: 41.160 ng
RT: 24.863 min Scan# 3702
Delta R.T. -0.029 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:252 Resp: 4522649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.4 | 26.0 |
| 125 | 12.6 | 9.6 | 14.4 |



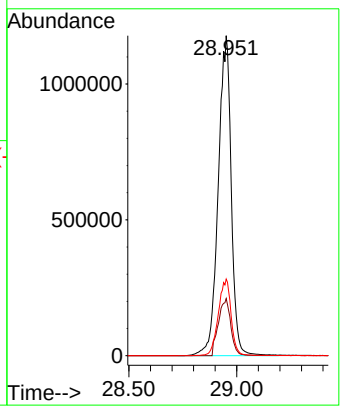


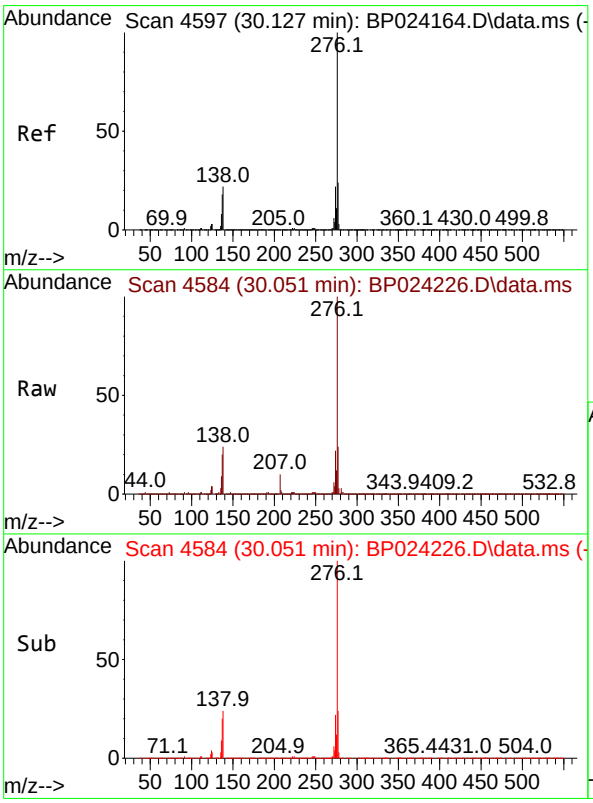

#91
Dibenzo(a,h)anthracene
Concen: 40.661 ng
RT: 28.951 min Scan# 4
Delta R.T. -0.059 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:278 Resp: 4947962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.9 | 13.0 | 19.4 |
| 279 | 23.9 | 18.8 | 28.2 |

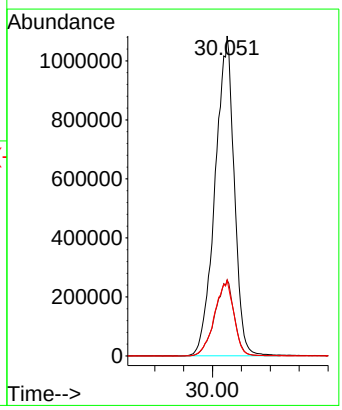



#92
Benzo(g,h,i)perylene
Concen: 40.290 ng
RT: 30.051 min Scan# 4584
Delta R.T. -0.076 min
Lab File: BP024226.D
Acq: 08 Apr 2025 23:54

Tgt Ion:276 Resp: 4983919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 19.2 | 28.8 |
| 138 | 23.6 | 17.4 | 26.2 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024226.D
Acq On : 08 Apr 2025 23:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Apr 09 01:04:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 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 | 111 | -0.03 |
| 2 | | 1,4-Dioxane | 0.497 | 0.532 | -7.0 | 126 | -0.02 |
| 3 | | Pyridine | 1.358 | 1.362 | -0.3 | 115 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.454 | 0.444 | 2.2 | 114 | -0.02 |
| 5 | S | 2-Fluorophenol | 1.253 | 1.286 | -2.6 | 118 | -0.02 |
| 6 | | Aniline | 1.527 | 1.420 | 7.0 | 106 | -0.03 |
| 7 | S | Phenol-d6 | 1.675 | 1.601 | 4.4 | 109 | -0.03 |
| 8 | | 2-Chlorophenol | 1.353 | 1.327 | 1.9 | 113 | -0.03 |
| 9 | | Benzaldehyde | 0.809 | 0.846 | -4.6 | 120 | -0.03 |
| 10 | C | Phenol | 1.691 | 1.605 | 5.1 | 109 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 1.334 | 1.280 | 4.0 | 111 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 1.459 | 1.457 | 0.1 | 116 | -0.03 |
| 13 | C | 1,4-Dichlorobenzene | 1.490 | 1.474 | 1.1 | 116 | -0.04 |
| 14 | | 1,2-Dichlorobenzene | 1.430 | 1.382 | 3.4 | 113 | -0.03 |
| 15 | | Benzyl Alcohol | 1.061 | 1.010 | 4.8 | 107 | -0.03 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.361 | 1.342 | 1.4 | 115 | -0.04 |
| 17 | | 2-Methylphenol | 1.061 | 1.003 | 5.5 | 107 | -0.03 |
| 18 | | Hexachloroethane | 0.529 | 0.538 | -1.7 | 117 | -0.03 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.972 | 0.901 | 7.3 | 104 | -0.04 |
| 20 | | 3+4-Methylphenols | 1.457 | 1.342 | 7.9 | 104 | -0.03 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 101 | -0.03 |
| 22 | | Acetophenone | 0.506 | 0.503 | 0.6 | 103 | -0.03 |
| 23 | S | Nitrobenzene-d5 | 0.354 | 0.369 | -4.2 | 107 | -0.03 |
| 24 | | Nitrobenzene | 0.350 | 0.361 | -3.1 | 107 | -0.03 |
| 25 | | Isophorone | 0.608 | 0.625 | -2.8 | 105 | -0.03 |
| 26 | C | 2-Nitrophenol | 0.167 | 0.178 | -6.6 | 105 | -0.04 |
| 27 | | 2,4-Dimethylphenol | 0.215 | 0.220 | -2.3 | 104 | -0.04 |
| 28 | | bis(2-Chloroethoxy)methane | 0.427 | 0.440 | -3.0 | 107 | -0.03 |
| 29 | C | 2,4-Dichlorophenol | 0.291 | 0.301 | -3.4 | 103 | -0.03 |
| 30 | | 1,2,4-Trichlorobenzene | 0.321 | 0.330 | -2.8 | 107 | -0.03 |
| 31 | | Naphthalene | 1.060 | 1.067 | -0.7 | 105 | -0.04 |
| 32 | | Benzoic acid | 0.209 | 0.218 | -4.3 | 102 | -0.02 |
| 33 | | 4-Chloroaniline | 0.379 | 0.373 | 1.6 | 100 | -0.03 |
| 34 | C | Hexachlorobutadiene | 0.185 | 0.192 | -3.8 | 108 | -0.04 |
| 35 | | Caprolactam | 0.095 | 0.095 | 0.0 | 99 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 0.313 | 0.318 | -1.6 | 103 | -0.03 |
| 37 | | 2-Methylnaphthalene | 0.716 | 0.711 | 0.7 | 102 | -0.03 |
| 38 | | 1-Methylnaphthalene | 0.697 | 0.685 | 1.7 | 103 | -0.03 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 96 | -0.03 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.578 | 0.593 | -2.6 | 102 | -0.03 |
| 41 | P | Hexachlorocyclopentadiene | 0.208 | 0.227 | -9.1 | 102 | -0.03 |
| 42 | S | 2,4,6-Tribromophenol | 0.252 | 0.261 | -3.6 | 99 | -0.02 |
| 43 | C | 2,4,6-Trichlorophenol | 0.367 | 0.391 | -6.5 | 100 | -0.03 |
| 44 | | 2,4,5-Trichlorophenol | 0.403 | 0.421 | -4.5 | 99 | -0.02 |
| 45 | S | 2-Fluorobiphenyl | 1.356 | 1.367 | -0.8 | 99 | -0.02 |
| 46 | | 1,1'-Biphenyl | 1.503 | 1.540 | -2.5 | 101 | -0.02 |
| 47 | | 2-Chloronaphthalene | 1.130 | 1.151 | -1.9 | 101 | -0.03 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024226.D
Acq On : 08 Apr 2025 23:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Apr 09 01:04:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 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 | 0.289 | 0.313 | -8.3 | 103 | -0.03 |
| 49 | | Acenaphthylene | 1.710 | 1.779 | -4.0 | 103 | -0.03 |
| 50 | | Dimethylphthalate | 1.399 | 1.413 | -1.0 | 100 | -0.02 |
| 51 | | 2,6-Dinitrotoluene | 0.294 | 0.308 | -4.8 | 100 | -0.03 |
| 52 | C | Acenaphthene | 1.093 | 1.114 | -1.9 | 101 | -0.02 |
| 53 | | 3-Nitroaniline | 0.318 | 0.333 | -4.7 | 99 | -0.03 |
| 54 | P | 2,4-Dinitrophenol | 0.156 | 0.159 | -1.9 | 95 | -0.03 |
| 55 | | Dibenzofuran | 1.770 | 1.766 | 0.2 | 99 | -0.02 |
| 56 | P | 4-Nitrophenol | 0.266 | 0.289 | -8.6 | 100 | -0.03 |
| 57 | | 2,4-Dinitrotoluene | 0.389 | 0.418 | -7.5 | 102 | -0.03 |
| 58 | | Fluorene | 1.379 | 1.388 | -0.7 | 99 | -0.02 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.356 | 0.363 | -2.0 | 97 | -0.03 |
| 60 | | Diethylphthalate | 1.394 | 1.457 | -4.5 | 103 | -0.02 |
| 61 | | 4-Chlorophenyl-phenylether | 0.676 | 0.678 | -0.3 | 99 | -0.02 |
| 62 | | 4-Nitroaniline | 0.334 | 0.359 | -7.5 | 100 | -0.02 |
| 63 | | Azobenzene | 1.314 | 1.399 | -6.5 | 104 | -0.02 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 97 | -0.02 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.119 | 0.120 | -0.8 | 97 | -0.03 |
| 66 | c | n-Nitrosodiphenylamine | 0.607 | 0.629 | -3.6 | 101 | -0.02 |
| 67 | | 4-Bromophenyl-phenylether | 0.220 | 0.229 | -4.1 | 102 | -0.02 |
| 68 | | Hexachlorobenzene | 0.260 | 0.261 | -0.4 | 99 | -0.02 |
| 69 | | Atrazine | 0.147 | 0.107 | 27.2# | 76 | -0.03 |
| 70 | C | Pentachlorophenol | 0.168 | 0.187 | -11.3 | 102 | -0.02 |
| 71 | | Phenanthrene | 1.093 | 1.093 | 0.0 | 98 | -0.02 |
| 72 | | Anthracene | 1.064 | 1.108 | -4.1 | 101 | -0.02 |
| 73 | | Carbazole | 1.026 | 1.083 | -5.6 | 100 | -0.02 |
| 74 | | Di-n-butylphthalate | 1.218 | 1.371 | -12.6 | 105 | -0.02 |
| 75 | C | Fluoranthene | 1.265 | 1.333 | -5.4 | 102 | -0.01 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 97 | -0.02 |
| 77 | | Benzidine | 0.219 | 0.138 | 37.0# | 52 | -0.01 |
| 78 | | Pyrene | 1.243 | 1.283 | -3.2 | 103 | -0.01 |
| 79 | S | Terphenyl-d14 | 0.969 | 0.991 | -2.3 | 101 | -0.01 |
| 80 | | Butylbenzylphthalate | 0.513 | 0.591 | -15.2 | 109 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.243 | 1.289 | -3.7 | 103 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 0.417 | 0.459 | -10.1 | 104 | -0.01 |
| 83 | | Chrysene | 1.195 | 1.216 | -1.8 | 101 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.774 | 0.900 | -16.3 | 110 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.240 | 1.519 | -22.5# | 115 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 103 | -0.04 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.396 | 1.421 | -1.8 | 107 | -0.06 |
| 88 | | Benzo(b)fluoranthene | 1.206 | 1.235 | -2.4 | 106 | -0.04 |
| 89 | | Benzo(k)fluoranthene | 1.180 | 1.182 | -0.2 | 107 | -0.02 |
| 90 | C | Benzo(a)pyrene | 1.049 | 1.079 | -2.9 | 108 | -0.03 |
| 91 | | Dibenzo(a,h)anthracene | 1.161 | 1.180 | -1.6 | 106 | -0.06 |
| 92 | | Benzo(g,h,i)perylene | 1.180 | 1.189 | -0.8 | 106 | -0.08 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024226.D
Acq On : 08 Apr 2025 23:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Apr 09 01:04:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 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\BP040825\
Data File : BP024226.D
Acq On : 08 Apr 2025 23:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Apr 09 01:04:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 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 | 111 | -0.03 |
| 2 | | 1,4-Dioxane | 40.000 | 42.849 | -7.1 | 126 | -0.02 |
| 3 | | Pyridine | 40.000 | 40.115 | -0.3 | 115 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.198 | 2.0 | 114 | -0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 82.128 | -2.7 | 118 | -0.02 |
| 6 | | Aniline | 40.000 | 37.218 | 7.0 | 106 | -0.03 |
| 7 | S | Phenol-d6 | 80.000 | 76.426 | 4.5 | 109 | -0.03 |
| 8 | | 2-Chlorophenol | 40.000 | 39.222 | 1.9 | 113 | -0.03 |
| 9 | | Benzaldehyde | 40.000 | 41.860 | -4.6 | 120 | -0.03 |
| 10 | C | Phenol | 40.000 | 37.960 | 5.1 | 109 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.384 | 4.0 | 111 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.940 | 0.2 | 116 | -0.03 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.581 | 1.0 | 116 | -0.04 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.656 | 3.4 | 113 | -0.03 |
| 15 | | Benzyl Alcohol | 40.000 | 38.077 | 4.8 | 107 | -0.03 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.434 | 1.4 | 115 | -0.04 |
| 17 | | 2-Methylphenol | 40.000 | 37.837 | 5.4 | 107 | -0.03 |
| 18 | | Hexachloroethane | 40.000 | 40.672 | -1.7 | 117 | -0.03 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 37.065 | 7.3 | 104 | -0.04 |
| 20 | | 3+4-Methylphenols | 40.000 | 36.842 | 7.9 | 104 | -0.03 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 101 | -0.03 |
| 22 | | Acetophenone | 40.000 | 39.805 | 0.5 | 103 | -0.03 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 83.377 | -4.2 | 107 | -0.03 |
| 24 | | Nitrobenzene | 40.000 | 41.342 | -3.4 | 107 | -0.03 |
| 25 | | Isophorone | 40.000 | 41.174 | -2.9 | 105 | -0.03 |
| 26 | C | 2-Nitrophenol | 40.000 | 42.541 | -6.4 | 105 | -0.04 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.939 | -2.3 | 104 | -0.04 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 41.159 | -2.9 | 107 | -0.03 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.419 | -3.5 | 103 | -0.03 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.128 | -2.8 | 107 | -0.03 |
| 31 | | Naphthalene | 40.000 | 40.259 | -0.6 | 105 | -0.04 |
| 32 | | Benzoic acid | 40.000 | 41.718 | -4.3 | 102 | -0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 39.289 | 1.8 | 100 | -0.03 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.579 | -3.9 | 108 | -0.04 |
| 35 | | Caprolactam | 40.000 | 39.891 | 0.3 | 99 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.531 | -1.3 | 103 | -0.03 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.708 | 0.7 | 102 | -0.03 |
| 38 | | 1-Methylnaphthalene | 40.000 | 39.355 | 1.6 | 103 | -0.03 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 96 | -0.03 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.997 | -2.5 | 102 | -0.03 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 43.613 | -9.0 | 102 | -0.03 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 82.870 | -3.6 | 99 | -0.02 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 42.517 | -6.3 | 100 | -0.03 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 41.756 | -4.4 | 99 | -0.02 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 80.624 | -0.8 | 99 | -0.02 |
| 46 | | 1,1'-Biphenyl | 40.000 | 40.998 | -2.5 | 101 | -0.02 |
| 47 | | 2-Chloronaphthalene | 40.000 | 40.719 | -1.8 | 101 | -0.03 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024226.D
Acq On : 08 Apr 2025 23:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Apr 09 01:04:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 43.269 | -8.2 | 103 | -0.03 |
| 49 | | Acenaphthylene | 40.000 | 41.605 | -4.0 | 103 | -0.03 |
| 50 | | Dimethylphthalate | 40.000 | 40.387 | -1.0 | 100 | -0.02 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 41.787 | -4.5 | 100 | -0.03 |
| 52 | C | Acenaphthene | 40.000 | 40.764 | -1.9 | 101 | -0.02 |
| 53 | | 3-Nitroaniline | 40.000 | 41.928 | -4.8 | 99 | -0.03 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 40.700 | -1.8 | 95 | -0.03 |
| 55 | | Dibenzofuran | 40.000 | 39.898 | 0.3 | 99 | -0.02 |
| 56 | P | 4-Nitrophenol | 40.000 | 43.456 | -8.6 | 100 | -0.03 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 42.953 | -7.4 | 102 | -0.03 |
| 58 | | Fluorene | 40.000 | 40.261 | -0.7 | 99 | -0.02 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.731 | -1.8 | 97 | -0.03 |
| 60 | | Diethylphthalate | 40.000 | 41.807 | -4.5 | 103 | -0.02 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 40.097 | -0.2 | 99 | -0.02 |
| 62 | | 4-Nitroaniline | 40.000 | 43.029 | -7.6 | 100 | -0.02 |
| 63 | | Azobenzene | 40.000 | 42.619 | -6.5 | 104 | -0.02 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 97 | -0.02 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 40.583 | -1.5 | 97 | -0.03 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 41.447 | -3.6 | 101 | -0.02 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 41.688 | -4.2 | 102 | -0.02 |
| 68 | | Hexachlorobenzene | 40.000 | 40.204 | -0.5 | 99 | -0.02 |
| 69 | | Atrazine | 40.000 | 29.184 | 27.0# | 76 | -0.03 |
| 70 | C | Pentachlorophenol | 40.000 | 44.409 | -11.0 | 102 | -0.02 |
| 71 | | Phenanthrene | 40.000 | 40.022 | -0.1 | 98 | -0.02 |
| 72 | | Anthracene | 40.000 | 41.654 | -4.1 | 101 | -0.02 |
| 73 | | Carbazole | 40.000 | 42.208 | -5.5 | 100 | -0.02 |
| 74 | | Di-n-butylphthalate | 40.000 | 45.020 | -12.6 | 105 | -0.02 |
| 75 | C | Fluoranthene | 40.000 | 42.152 | -5.4 | 102 | -0.01 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 97 | -0.02 |
| 77 | | Benzidine | 40.000 | 25.254 | 36.9# | 52 | -0.01 |
| 78 | | Pyrene | 40.000 | 41.281 | -3.2 | 103 | -0.01 |
| 79 | S | Terphenyl-d14 | 80.000 | 81.861 | -2.3 | 101 | -0.01 |
| 80 | | Butylbenzylphthalate | 40.000 | 46.113 | -15.3 | 109 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 41.473 | -3.7 | 103 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 44.097 | -10.2 | 104 | -0.01 |
| 83 | | Chrysene | 40.000 | 40.702 | -1.8 | 101 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 46.527 | -16.3 | 110 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 48.999 | -22.5# | 115 | -0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 103 | -0.04 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.707 | -1.8 | 107 | -0.06 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 40.959 | -2.4 | 106 | -0.04 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 40.088 | -0.2 | 107 | -0.02 |
| 90 | C | Benzo(a)pyrene | 40.000 | 41.160 | -2.9 | 108 | -0.03 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 40.661 | -1.7 | 106 | -0.06 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 40.290 | -0.7 | 106 | -0.08 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024226.D
Acq On : 08 Apr 2025 23:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Apr 09 01:04:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 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

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: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG No.: Q1730

Instrument ID: BNA_P Calibration Date/Time: 04/09/2025 10:08

Lab File ID: BP024228.D Init. Calib. Date(s): 03/12/2025 03/12/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:17 21:02

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Fluorophenol | 1.253 | 1.307 | | 4.3 | |
| Phenol-d6 | 1.675 | 1.739 | | 3.8 | |
| Nitrobenzene-d5 | 0.354 | 0.378 | | 6.8 | |
| Naphthalene | 1.060 | 1.100 | | 3.8 | |
| 2-Methylnaphthalene | 0.716 | 0.745 | | 4.1 | |
| 2-Fluorobiphenyl | 1.356 | 1.365 | | 0.7 | |
| Acenaphthylene | 1.710 | 1.788 | | 4.6 | |
| Acenaphthene | 1.093 | 1.131 | | 3.5 | 20.0 |
| Fluorene | 1.379 | 1.420 | | 3.0 | |
| 2,4,6-Tribromophenol | 0.252 | 0.271 | | 7.5 | |
| Phenanthrene | 1.093 | 1.117 | | 2.2 | |
| Anthracene | 1.064 | 1.101 | | 3.5 | |
| Fluoranthene | 1.265 | 1.339 | | 5.8 | 20.0 |
| Pyrene | 1.243 | 1.315 | | 5.8 | |
| Terphenyl-d14 | 0.969 | 1.019 | | 5.2 | |
| Benzo(a)anthracene | 1.243 | 1.303 | | 4.8 | |
| Chrysene | 1.195 | 1.236 | | 3.4 | |
| Benzo(b)fluoranthene | 1.206 | 1.262 | | 4.6 | |
| Benzo(k)fluoranthene | 1.180 | 1.193 | | 1.1 | |
| Benzo(a)pyrene | 1.049 | 1.081 | | 3.1 | 20.0 |
| Indeno(1,2,3-cd)pyrene | 1.396 | 1.431 | | 2.5 | |
| Dibenzo(a,h)anthracene | 1.161 | 1.190 | | 2.5 | |
| Benzo(g,h,i)perylene | 1.180 | 1.210 | | 2.5 | |

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024228.D
Acq On : 09 Apr 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Quant Time: Apr 09 12:20:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.769 | 152 | 293576 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.552 | 136 | 1173450 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.404 | 164 | 712048 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.222 | 188 | 1380061 | 20.000 | ng | | 0.02 |
| 76) Chrysene-d12 | 21.651 | 240 | 1470276 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.033 | 264 | 1654294 | 20.000 | ng | | -0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.381 | 112 | 1534523 | 83.438 | ng | | 0.00 |
| 7) Phenol-d6 | 6.952 | 99 | 2042327 | 83.042 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.916 | 82 | 1775974 | 85.391 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.928 | 330 | 772690 | 86.150 | ng | | 0.01 |
| 45) 2-Fluorobiphenyl | 13.016 | 172 | 3887020 | 80.493 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.933 | 244 | 5993823 | 84.151 | ng | | 0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.323 | 88 | 302738 | 41.527 | ng | | 97 |
| 3) Pyridine | 3.717 | 79 | 838808 | 42.089 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.628 | 42 | 271310 | 40.754 | ng | # | 95 |
| 6) Aniline | 7.105 | 93 | 937414 | 41.835 | ng | | 98 |
| 8) 2-Chlorophenol | 7.346 | 128 | 814334 | 40.993 | ng | | 100 |
| 9) Benzaldehyde | 6.922 | 77 | 451640 | 38.053 | ng | | 97 |
| 10) Phenol | 6.975 | 94 | 1027320 | 41.378 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.199 | 93 | 803492 | 41.038 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.658 | 146 | 870803 | 40.649 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 7.805 | 146 | 882974 | 40.368 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.122 | 146 | 839545 | 39.998 | ng | | 100 |
| 15) Benzyl Alcohol | 8.011 | 79 | 654557 | 42.039 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.293 | 45 | 843711 | 42.222 | ng | | 98 |
| 17) 2-Methylphenol | 8.211 | 107 | 658169 | 42.275 | ng | | 98 |
| 18) Hexachloroethane | 8.840 | 117 | 317863 | 40.961 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 8.569 | 70 | 606716 | 42.523 | ng | | 100 |
| 20) 3+4-Methylphenols | 8.534 | 107 | 896490 | 41.913 | ng | | 100 |
| 22) Acetophenone | 8.581 | 105 | 1232083 | 41.530 | ng | | 100 |
| 24) Nitrobenzene | 8.958 | 77 | 873464 | 42.572 | ng | | 98 |
| 25) Isophorone | 9.481 | 82 | 1541684 | 43.243 | ng | | 100 |
| 26) 2-Nitrophenol | 9.669 | 139 | 433004 | 44.182 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.728 | 122 | 528942 | 41.973 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 9.963 | 93 | 1054466 | 42.043 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.199 | 162 | 729792 | 42.809 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.410 | 180 | 763746 | 40.549 | ng | | 99 |
| 31) Naphthalene | 10.605 | 128 | 2580706 | 41.488 | ng | | 100 |
| 32) Benzoic acid | 9.863 | 122 | 597743m | 48.635 | ng | | |
| 33) 4-Chloroaniline | 10.705 | 127 | 940754 | 42.261 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.887 | 225 | 434685 | 40.101 | ng | | 98 |
| 35) Caprolactam | 11.493 | 113 | 257074 | 46.011 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 11.840 | 107 | 799711 | 43.485 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.210 | 142 | 1749345 | 41.629 | ng | | 100 |
| 38) 1-Methylnaphthalene | 12.428 | 142 | 1688556 | 41.312 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.587 | 216 | 830463 | 40.347 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.563 | 237 | 306506 | 41.311 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.828 | 196 | 551712 | 42.177 | ng | | 98 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024228.D
Acq On : 09 Apr 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Quant Time: Apr 09 12:20:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

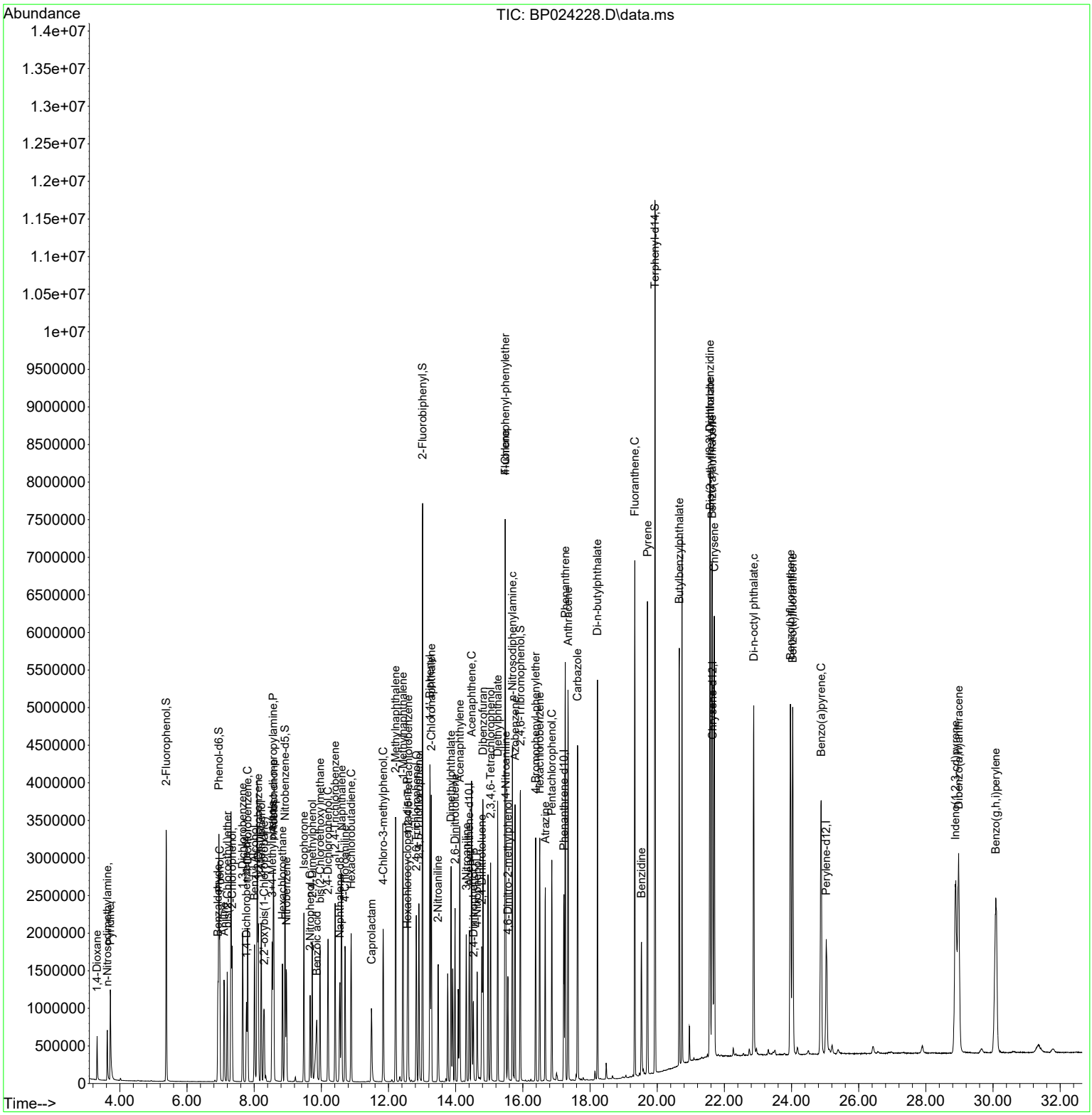
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.904 | 196 | 606798 | 42.299 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.234 | 154 | 2190701 | 40.942 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.275 | 162 | 1624413 | 40.362 | ng | 99 |
| 48) 2-Nitroaniline | 13.475 | 65 | 468062 | 45.470 | ng | 95 |
| 49) Acenaphthylene | 14.122 | 152 | 2545636 | 41.802 | ng | 100 |
| 50) Dimethylphthalate | 13.863 | 163 | 2087636 | 41.901 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.981 | 165 | 453615 | 43.271 | ng | 100 |
| 52) Acenaphthene | 14.475 | 154 | 1611256 | 41.411 | ng | 99 |
| 53) 3-Nitroaniline | 14.316 | 138 | 504903 | 44.593 | ng | 97 |
| 54) 2,4-Dinitrophenol | 14.528 | 184 | 254373 | 45.859 | ng | 97 |
| 55) Dibenzofuran | 14.810 | 168 | 2590493 | 41.102 | ng | 98 |
| 56) 4-Nitrophenol | 14.640 | 139 | 438706 | 46.371 | ng | 97 |
| 57) 2,4-Dinitrotoluene | 14.781 | 165 | 625765 | 45.191 | ng | 98 |
| 58) Fluorene | 15.475 | 166 | 2022327 | 41.183 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.040 | 232 | 536689 | 42.344 | ng | 99 |
| 60) Diethylphthalate | 15.251 | 149 | 2130607 | 42.942 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.475 | 204 | 970246 | 40.284 | ng | 98 |
| 62) 4-Nitroaniline | 15.493 | 138 | 532563 | 44.847 | ng | 98 |
| 63) Azobenzene | 15.769 | 77 | 2027384 | 43.353 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.557 | 198 | 347340 | 42.395 | ng | 100 |
| 66) n-Nitrosodiphenylamine | 15.693 | 169 | 1728077 | 41.235 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.381 | 248 | 606490 | 40.028 | ng | 99 |
| 68) Hexachlorobenzene | 16.504 | 284 | 719481 | 40.119 | ng | 99 |
| 69) Atrazine | 16.669 | 200 | 433531 | 42.859 | ng | 99 |
| 70) Pentachlorophenol | 16.863 | 266 | 503982 | 43.456 | ng | 100 |
| 71) Phenanthrene | 17.263 | 178 | 3083668 | 40.902 | ng | 100 |
| 72) Anthracene | 17.345 | 178 | 3039833 | 41.398 | ng | 100 |
| 73) Carbazole | 17.628 | 167 | 3013012 | 42.549 | ng | 99 |
| 74) Di-n-butylphthalate | 18.222 | 149 | 3711096 | 44.147 | ng | 100 |
| 75) Fluoranthene | 19.333 | 202 | 3697085 | 42.341 | ng | 99 |
| 77) Benzidine | 19.533 | 184 | 1222191 | 76.030 | ng | 99 |
| 78) Pyrene | 19.710 | 202 | 3866558 | 42.301 | ng | 99 |
| 80) Butylbenzylphthalate | 20.657 | 149 | 1702434 | 45.164 | ng | 97 |
| 81) Benzo(a)anthracene | 21.633 | 228 | 3832104 | 41.922 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.569 | 252 | 1401662 | 45.751 | ng | 100 |
| 83) Chrysene | 21.698 | 228 | 3634359 | 41.358 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.580 | 149 | 2547023 | 44.781 | ng | 99 |
| 85) Di-n-octyl phthalate | 22.874 | 149 | 4236142 | 46.485 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.880 | 276 | 4733755m | 41.000 | ng | |
| 88) Benzo(b)fluoranthene | 23.969 | 252 | 4176870 | 41.876 | ng | 99 |
| 89) Benzo(k)fluoranthene | 24.033 | 252 | 3945832 | 40.442 | ng | 99 |
| 90) Benzo(a)pyrene | 24.880 | 252 | 3577625 | 41.248 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.974 | 278 | 3938270 | 41.000 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 30.080 | 276 | 4004395 | 41.010 | ng | 97 |

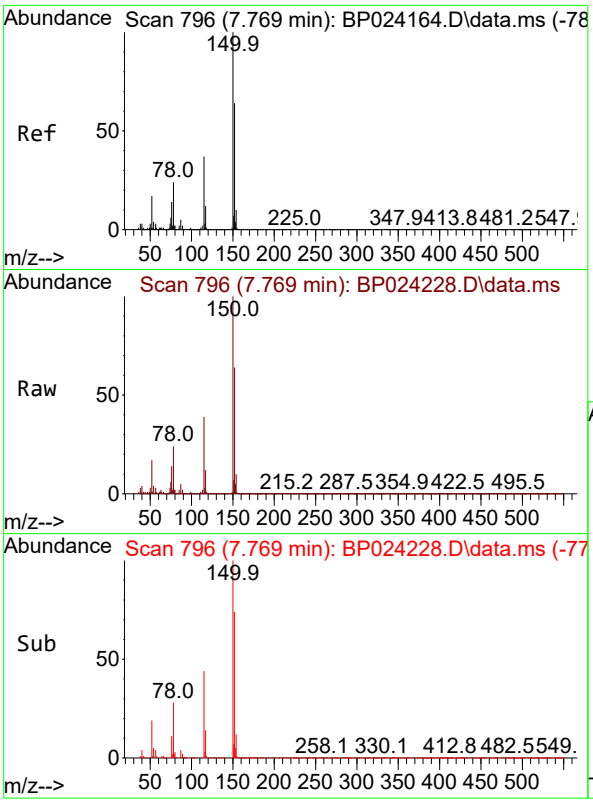
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024228.D
Acq On : 09 Apr 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Quant Time: Apr 09 12:20:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration



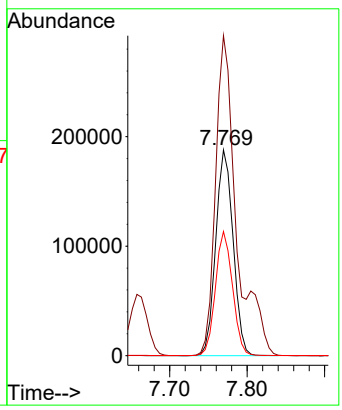


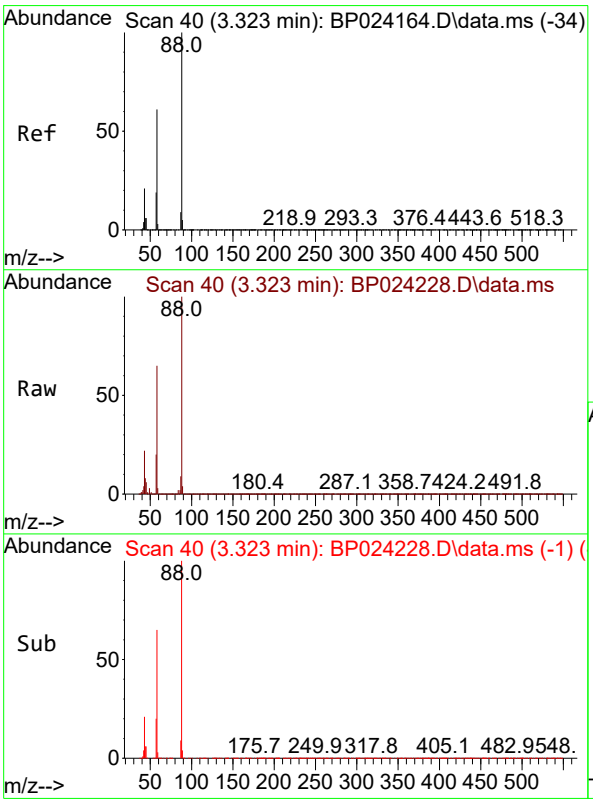

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 293576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.5 | 125.5 | 188.3 |
| 115 | 60.3 | 46.3 | 69.5 |

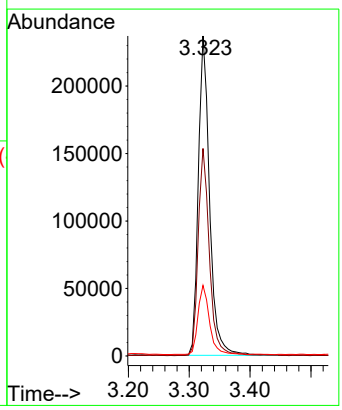


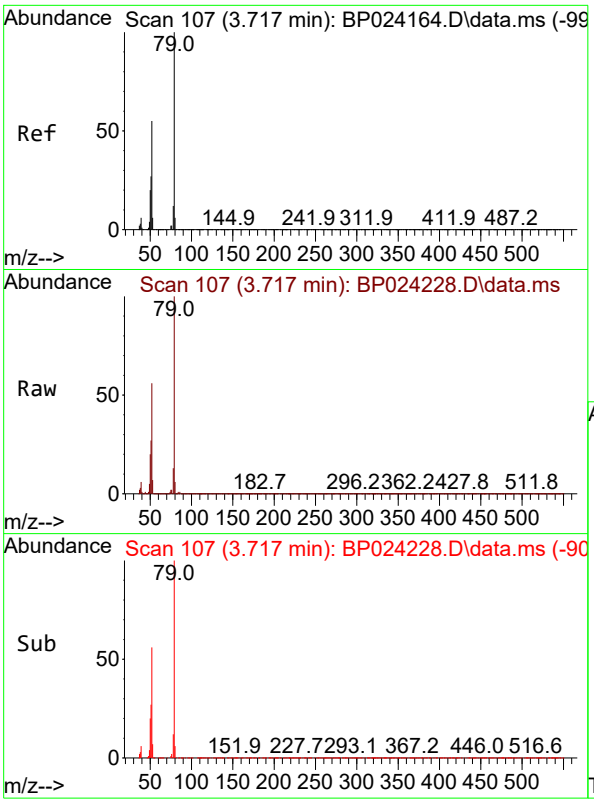




#2
1,4-Dioxane
Concen: 41.527 ng
RT: 3.323 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion: 88 Resp: 302738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 64.9 | 49.8 | 74.6 |
| 43 | 22.2 | 17.3 | 25.9 |



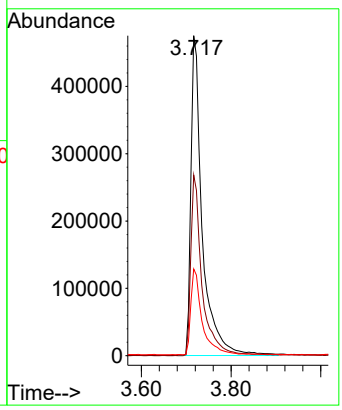


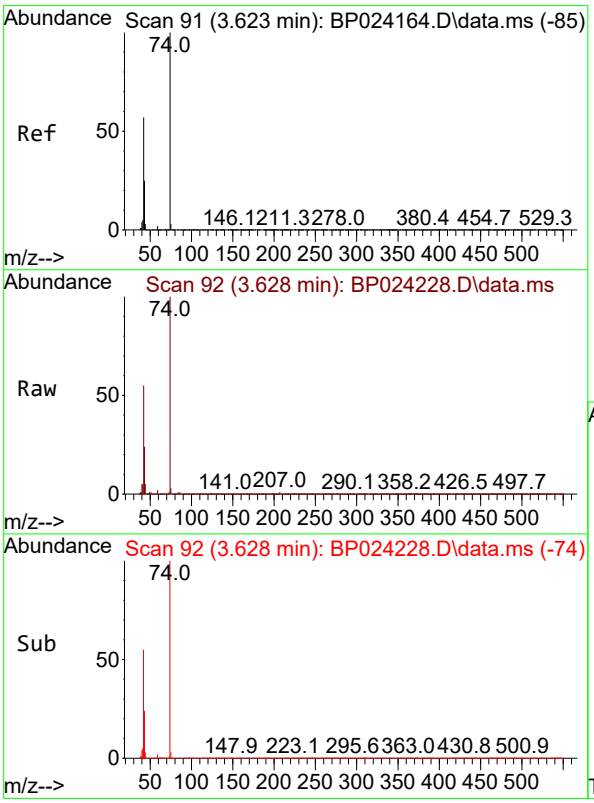

#3
Pyridine
Concen: 42.089 ng
RT: 3.717 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 838808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 56.5 | 43.8 | 65.8 |
| 51 | 27.1 | 21.6 | 32.4 |

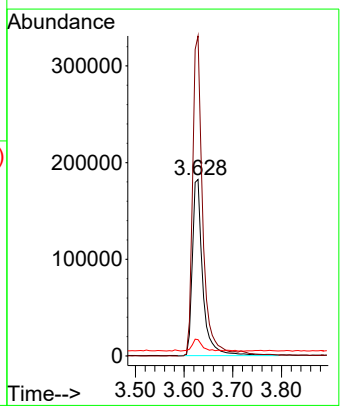


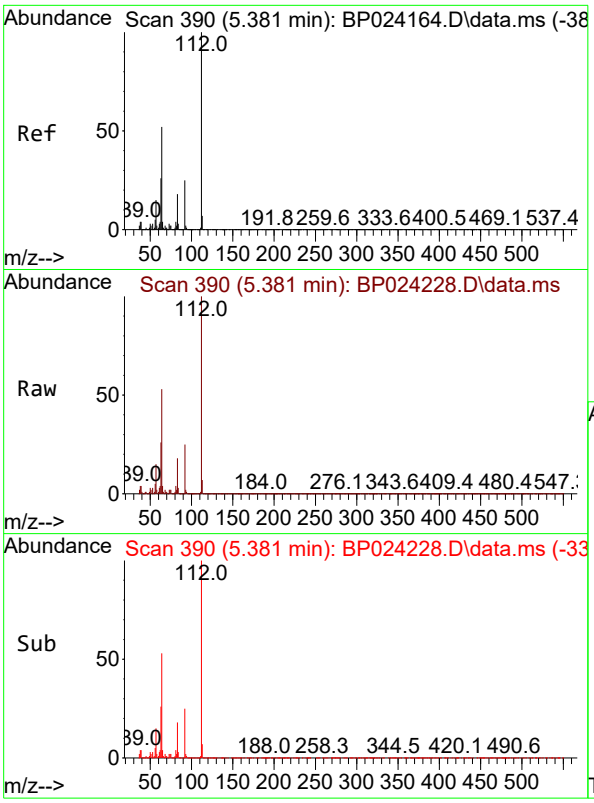




#4
n-Nitrosodimethylamine
Concen: 40.754 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion: 42 Resp: 271310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 181.3 | 139.8 | 209.6 |
| 44 | 9.2 | 5.3 | 7.9# |



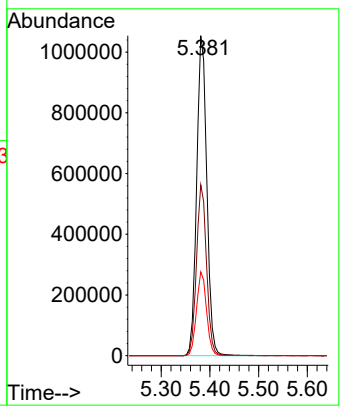


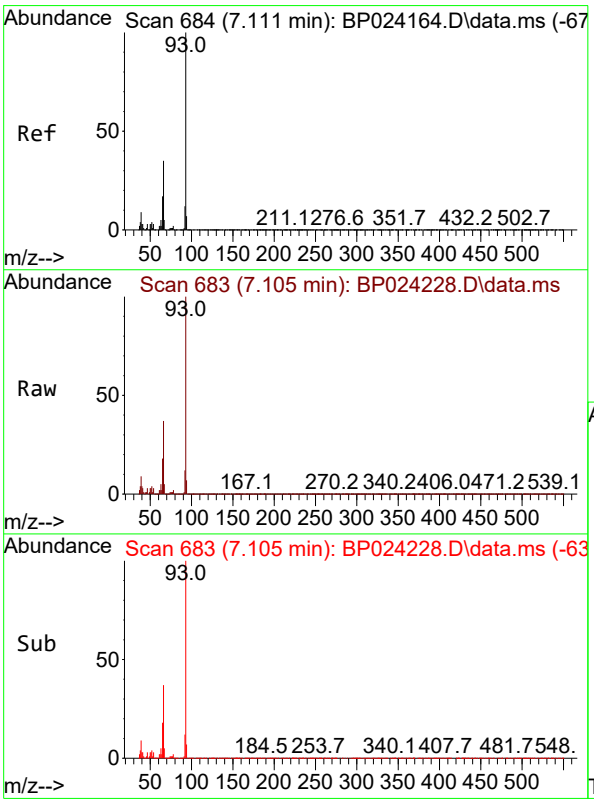

#5
2-Fluorophenol
Concen: 83.438 ng
RT: 5.381 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:112 Resp: 1534523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.4 | 41.3 | 61.9 |
| 63 | 26.2 | 20.6 | 31.0 |

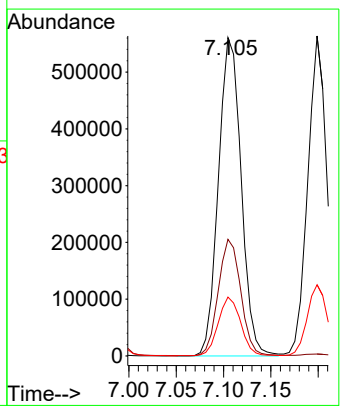


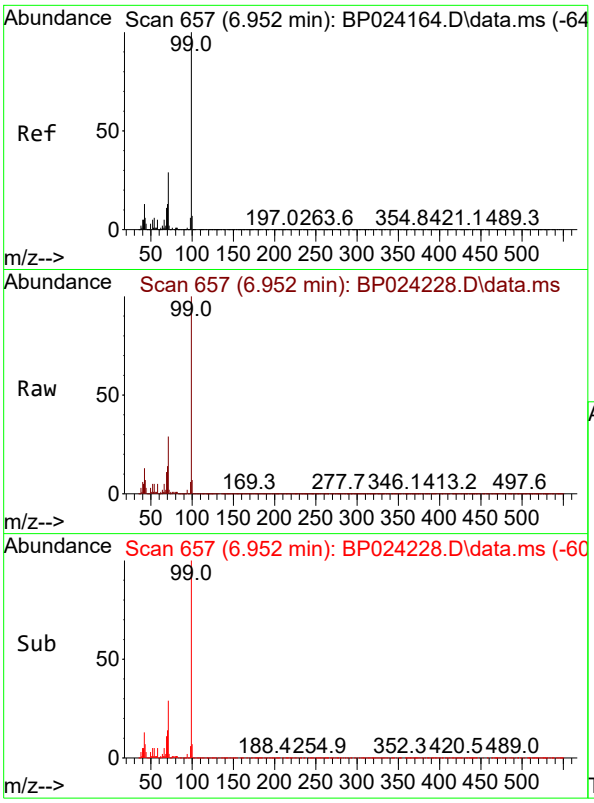




#6
Aniline
Concen: 41.835 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion: 93 Resp: 937414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 36.6 | 28.2 | 42.2 |
| 65 | 18.5 | 14.0 | 21.0 |



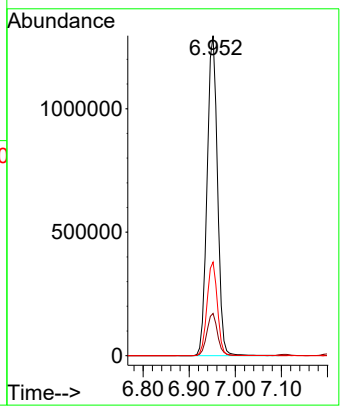


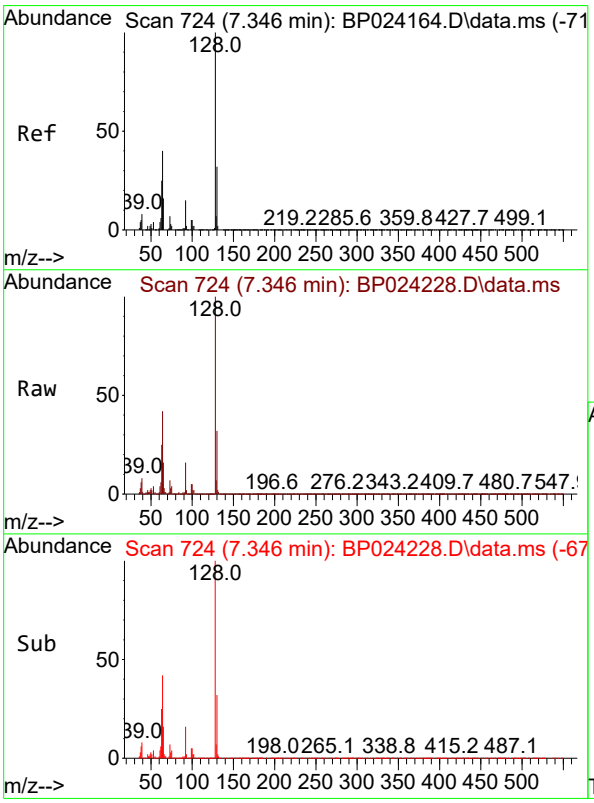

#7
Phenol-d6
Concen: 83.042 ng
RT: 6.952 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 99 Resp: 2042327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.2 | 10.6 | 16.0 |
| 71 | 29.3 | 23.3 | 34.9 |

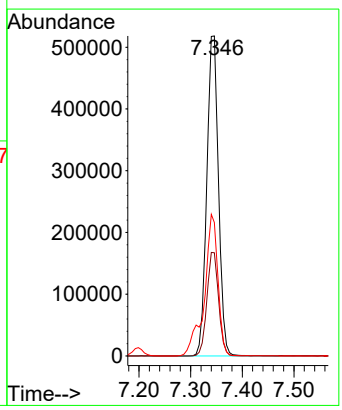


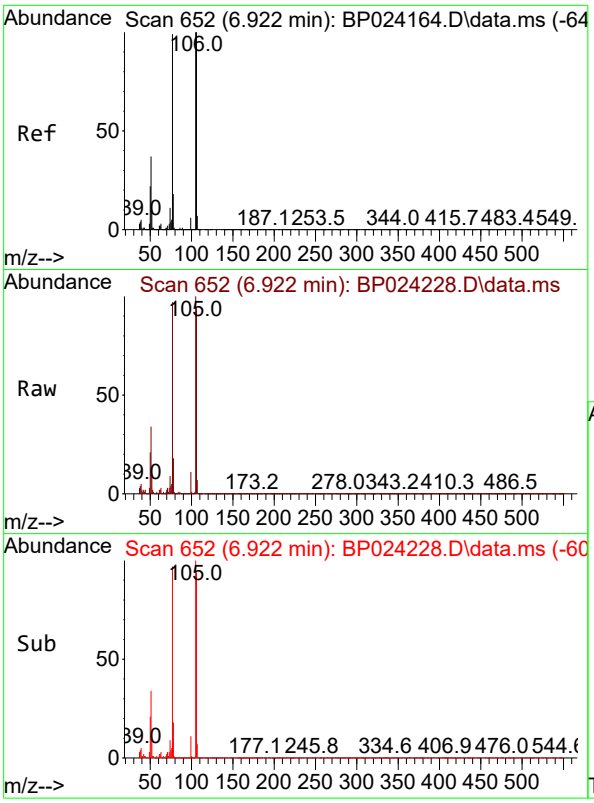




#8
2-Chlorophenol
Concen: 40.993 ng
RT: 7.346 min Scan# 724
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:128 Resp: 814334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.2 | 12.0 | 52.0 |
| 64 | 41.7 | 21.6 | 61.6 |



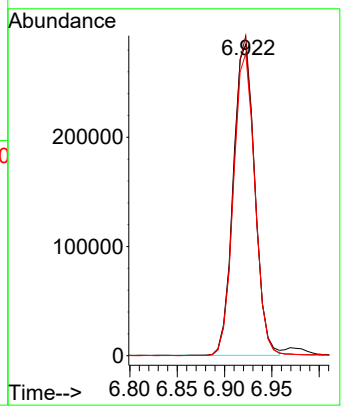


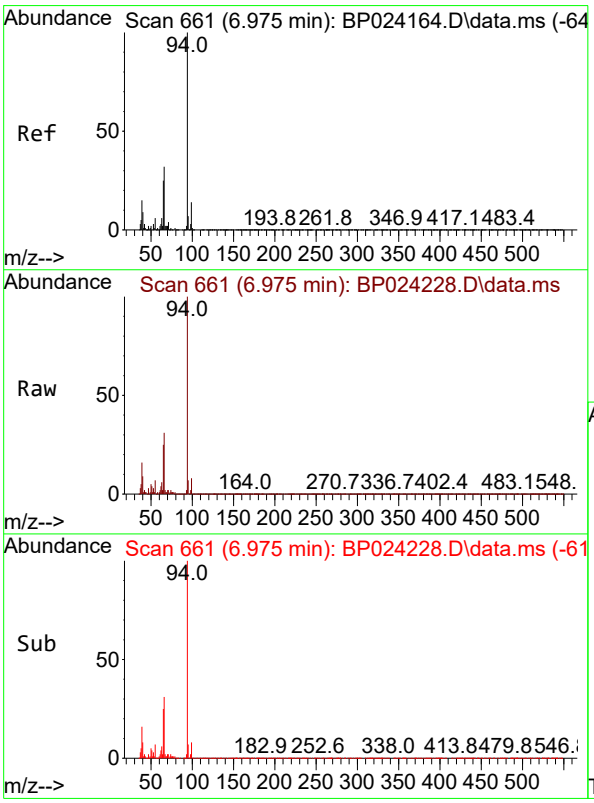

#9
Benzaldehyde
Concen: 38.053 ng
RT: 6.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 451640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 102.7 | 81.4 | 121.4 |
| 106 | 97.0 | 81.1 | 121.1 |

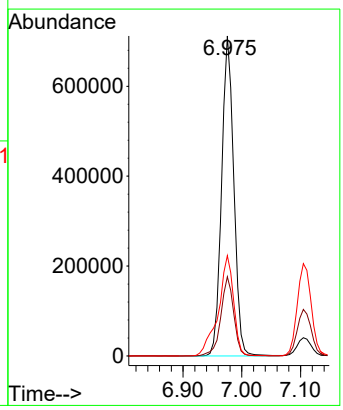


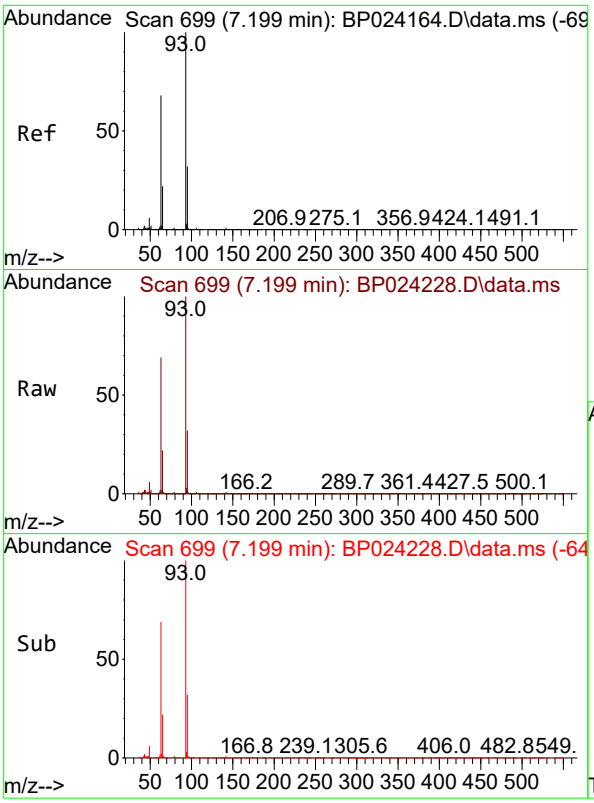




#10
Phenol
Concen: 41.378 ng
RT: 6.975 min Scan# 661
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion: 94 Resp: 1027320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 24.7 | 4.9 | 44.9 |
| 66 | 31.3 | 11.9 | 51.9 |



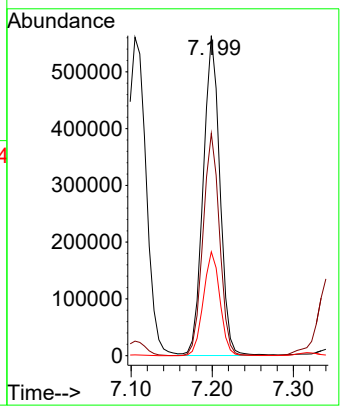


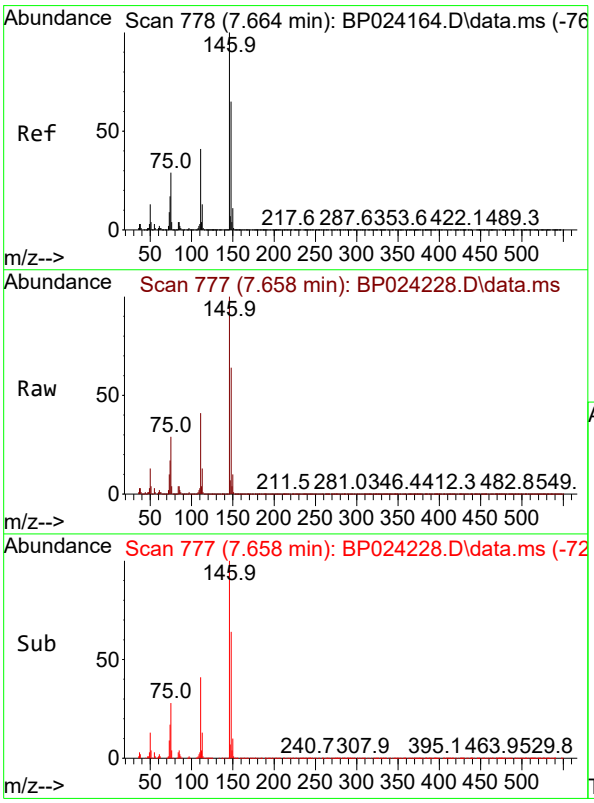

#11
bis(2-Chloroethyl)ether
Concen: 41.038 ng
RT: 7.199 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 93 Resp: 803492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 69.5 | 47.4 | 87.4 |
| 95 | 32.5 | 12.1 | 52.1 |

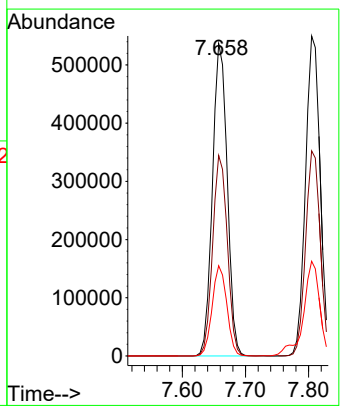


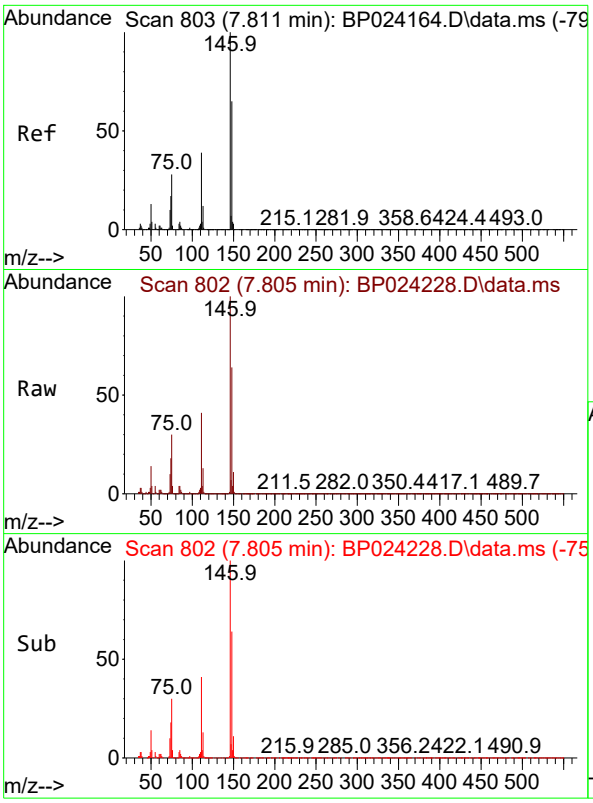




#12
1,3-Dichlorobenzene
Concen: 40.649 ng
RT: 7.658 min Scan# 777
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:146 Resp: 870803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.6 | 77.4 |
| 75 | 28.9 | 22.8 | 34.2 |



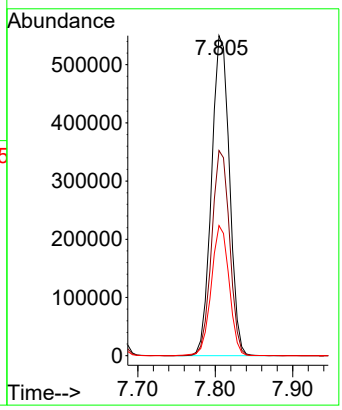


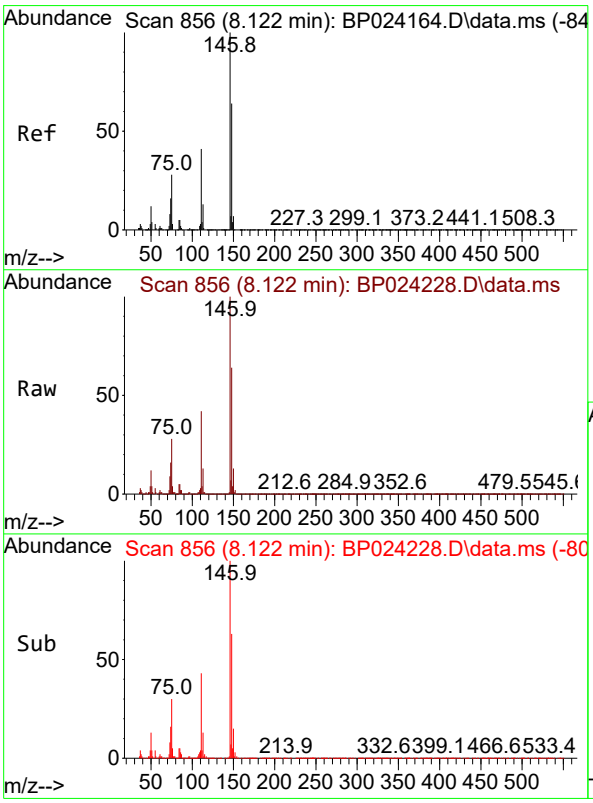

#13
1,4-Dichlorobenzene
Concen: 40.368 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:146 Resp: 882974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.1 | 51.9 | 77.9 |
| 111 | 40.7 | 31.4 | 47.2 |

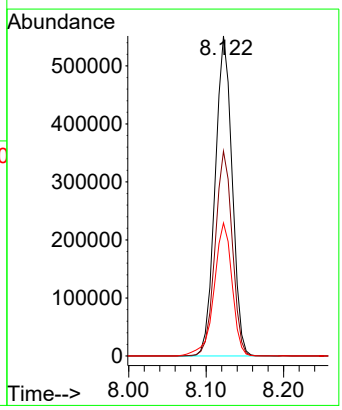


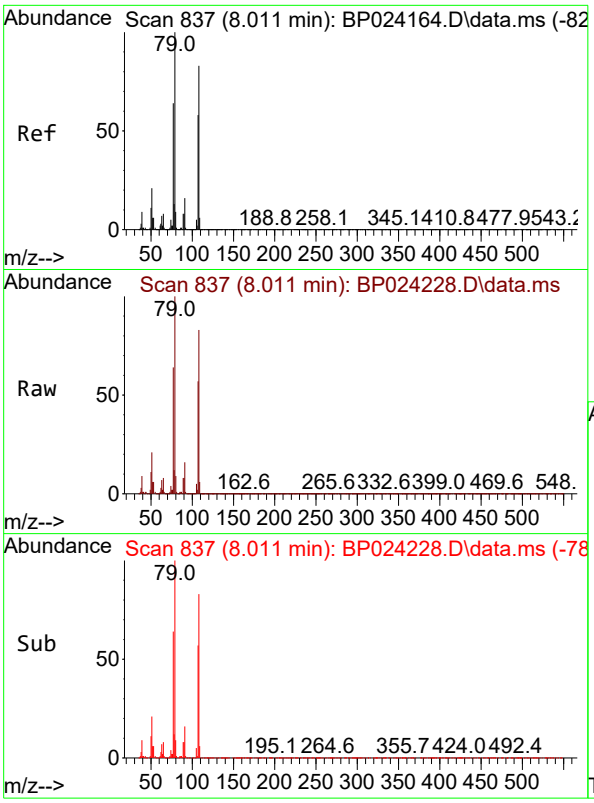




#14
1,2-Dichlorobenzene
Concen: 39.998 ng
RT: 8.122 min Scan# 856
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:146 Resp: 839545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 51.4 | 77.2 |
| 111 | 41.6 | 33.2 | 49.8 |



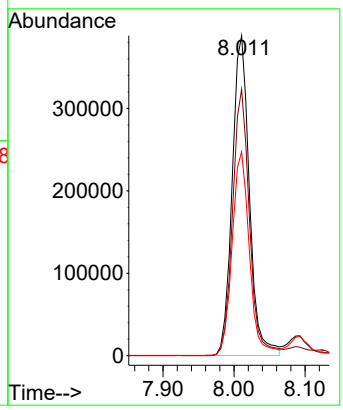


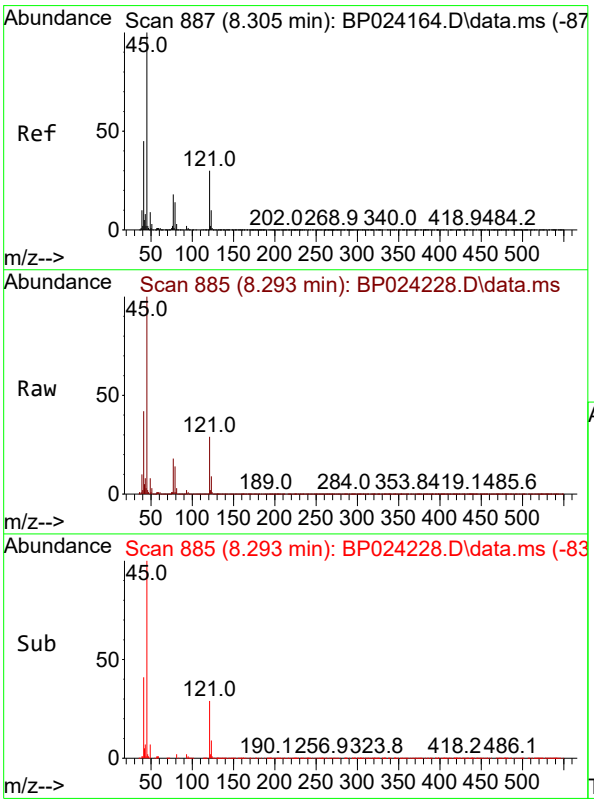

#15
Benzyl Alcohol
Concen: 42.039 ng
RT: 8.011 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 654557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 83.3 | 66.5 | 99.7 |
| 77 | 63.7 | 50.9 | 76.3 |

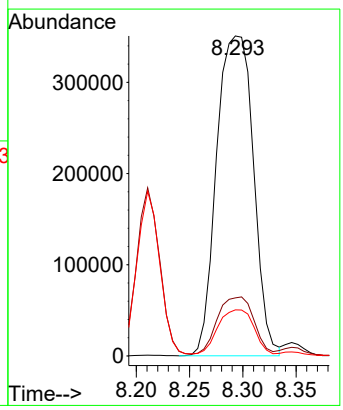


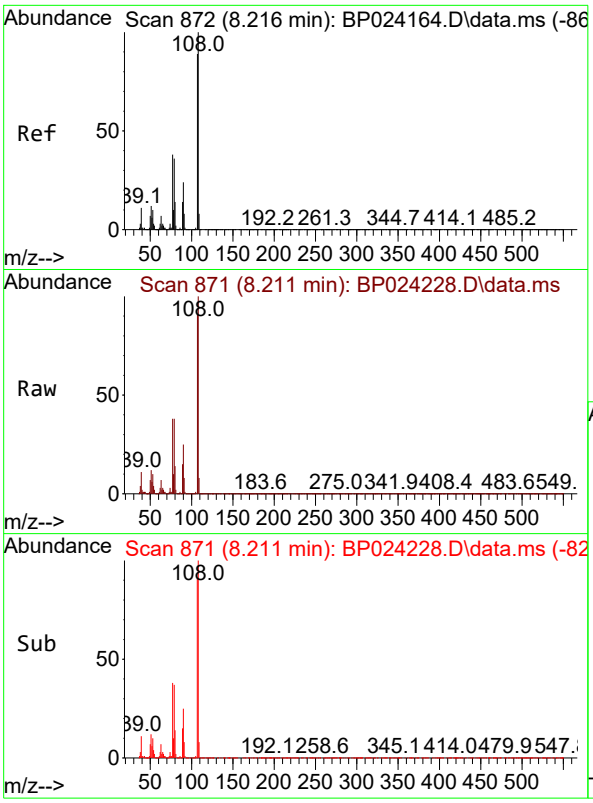




#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.222 ng
RT: 8.293 min Scan# 885
Delta R.T. -0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion: 45 Resp: 843711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 18.2 | 0.0 | 39.0 |
| 79 | 14.4 | 0.0 | 35.6 |



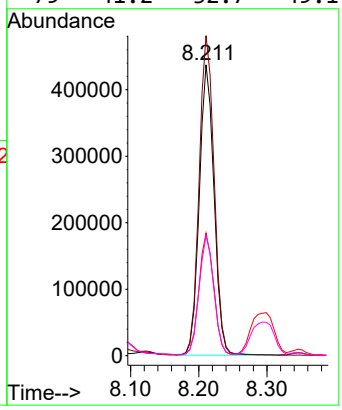


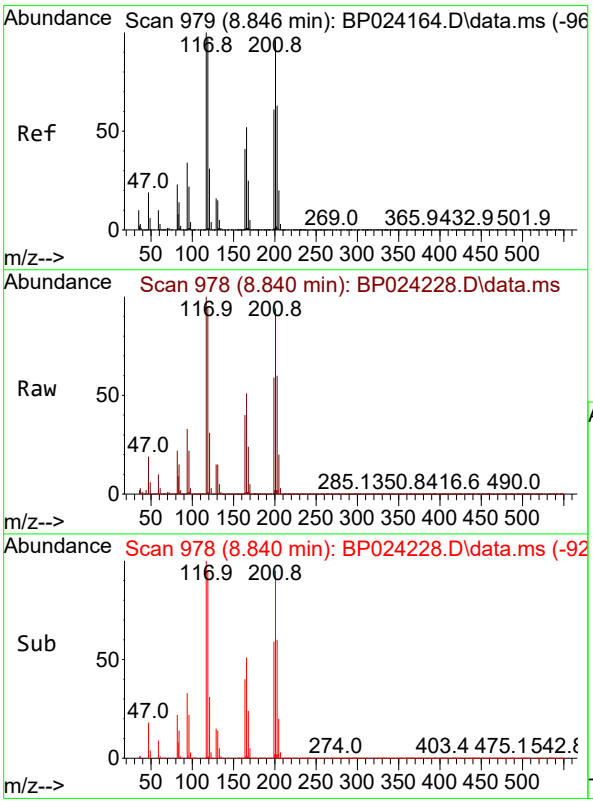

#17
2-Methylphenol
Concen: 42.275 ng
RT: 8.211 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:107 Resp: 658169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 110.0 | 90.0 | 135.0 |
| 77 | 42.1 | 34.0 | 51.0 |
| 79 | 41.2 | 32.7 | 49.1 |

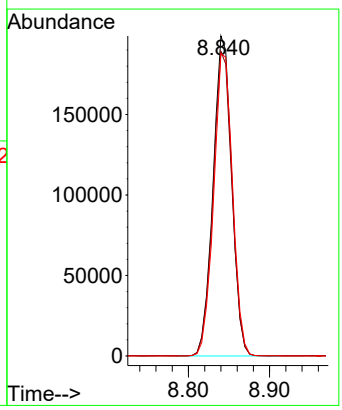


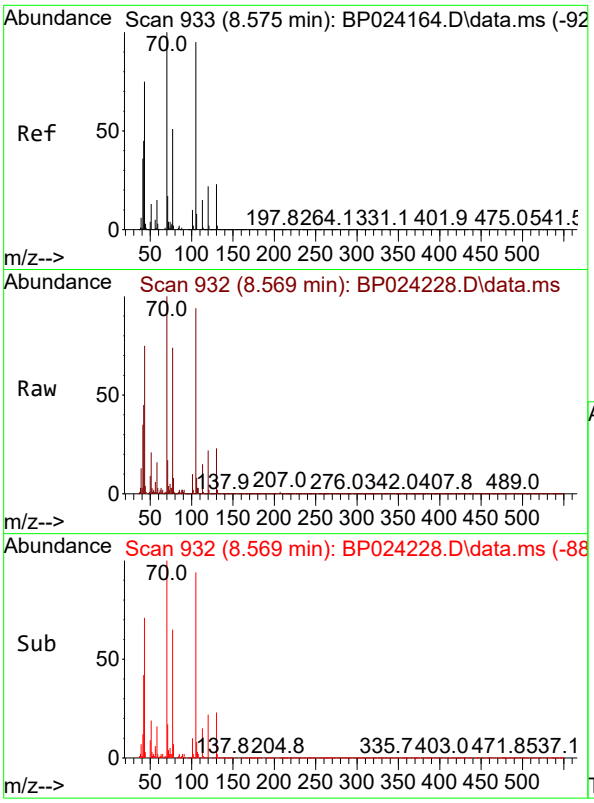




#18
Hexachloroethane
Concen: 40.961 ng
RT: 8.840 min Scan# 978
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:117 Resp: 317863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.1 | 77.4 | 116.0 |
| 201 | 94.5 | 76.6 | 114.8 |



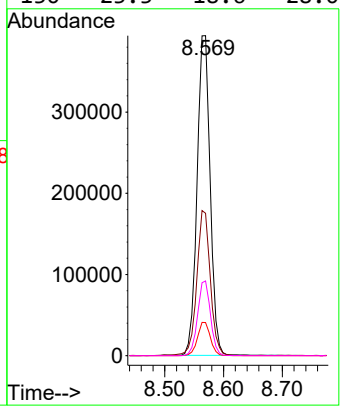


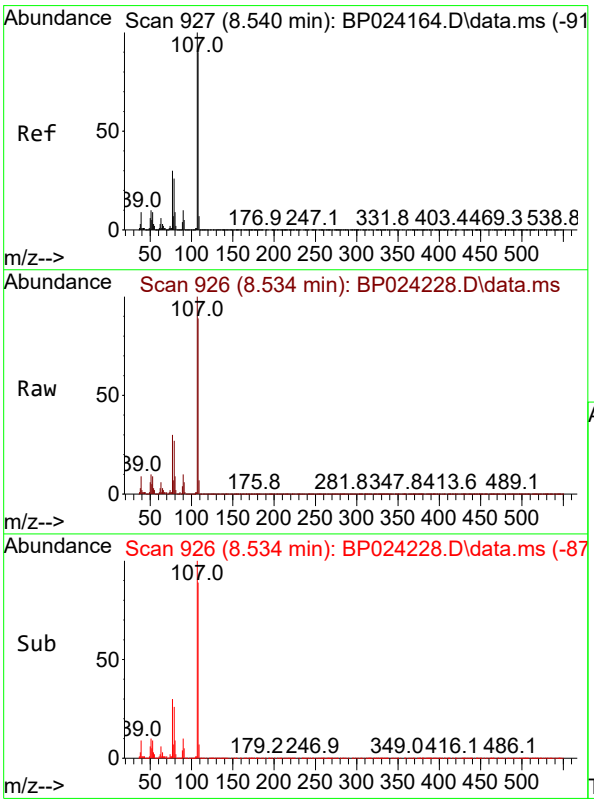

#19
n-Nitroso-di-n-propylamine
Concen: 42.523 ng
RT: 8.569 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 70 Resp: 606716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 44.5 | 36.0 | 54.0 |
| 101 | 10.3 | 8.3 | 12.5 |
| 130 | 23.3 | 18.6 | 28.0 |

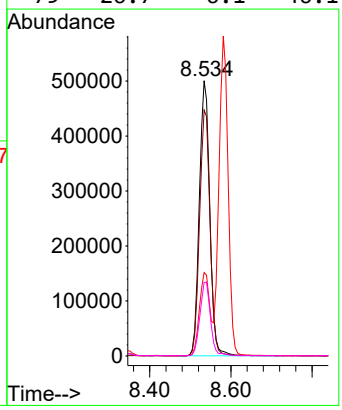


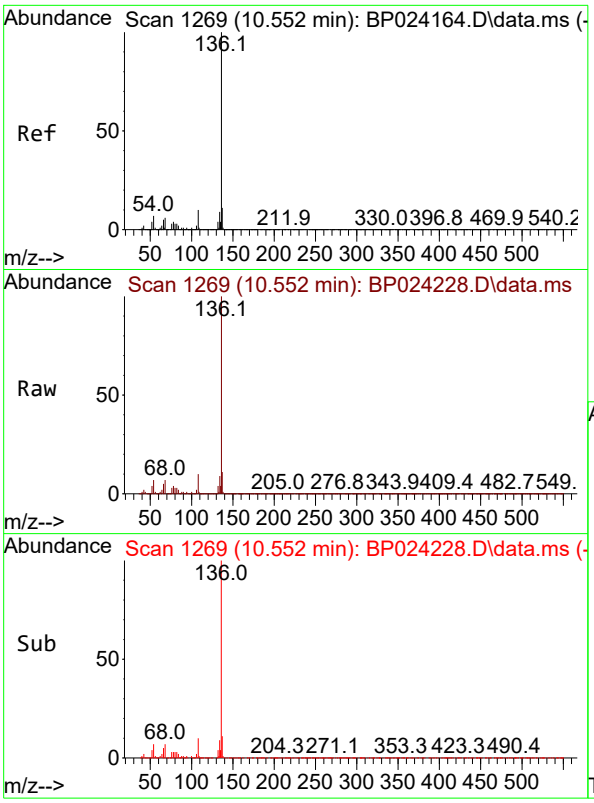




#20
3+4-Methylphenols
Concen: 41.913 ng
RT: 8.534 min Scan# 926
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:107 Resp: 896490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.4 | 69.7 | 109.7 |
| 77 | 30.3 | 10.3 | 50.3 |
| 79 | 26.7 | 6.1 | 46.1 |



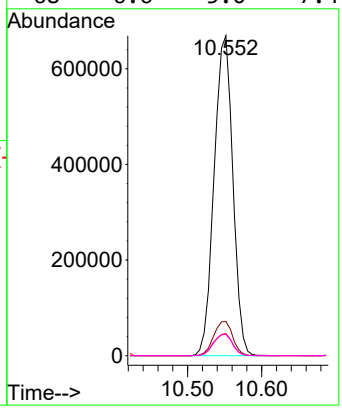


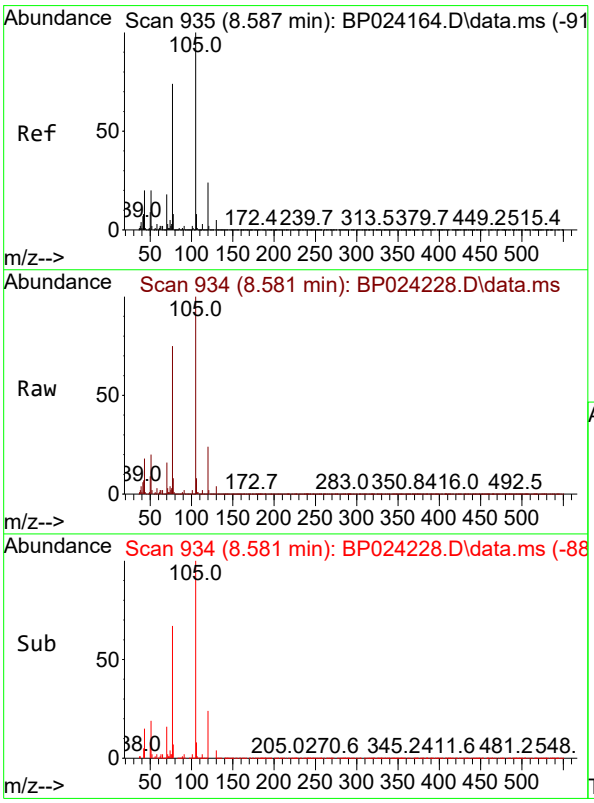

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.552 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:136 Resp: 1173450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 9.0 | 13.4 |
| 54 | 6.9 | 5.3 | 7.9 |
| 68 | 6.6 | 5.0 | 7.4 |

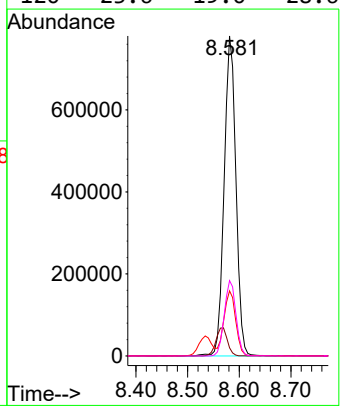


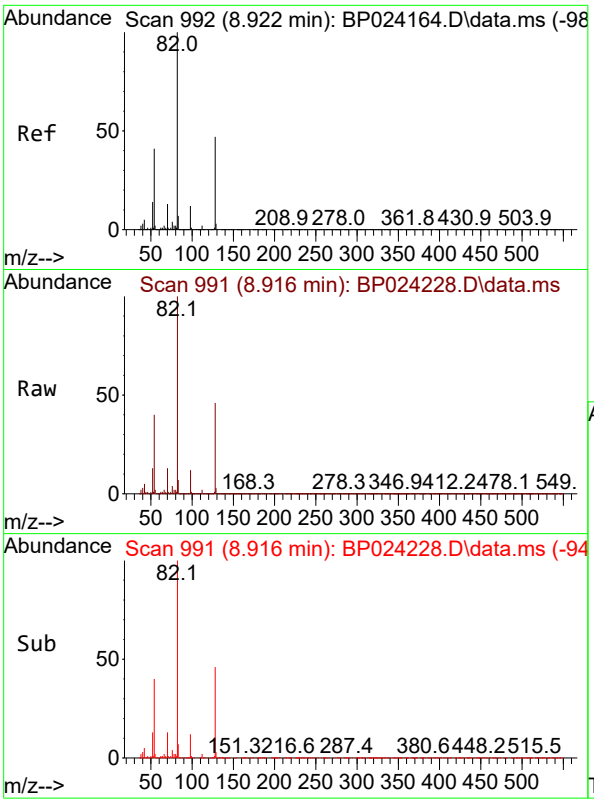




#22
Acetophenone
Concen: 41.530 ng
RT: 8.581 min Scan# 934
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:105 Resp: 1232083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 2.6 | 2.4 | 3.6 |
| 51 | 20.3 | 16.2 | 24.2 |
| 120 | 23.6 | 19.0 | 28.6 |



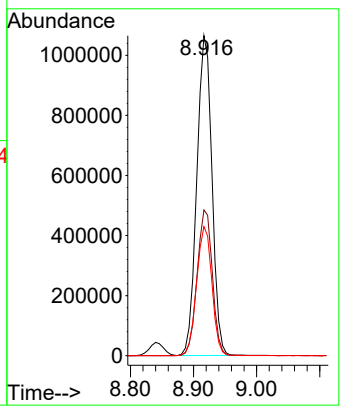


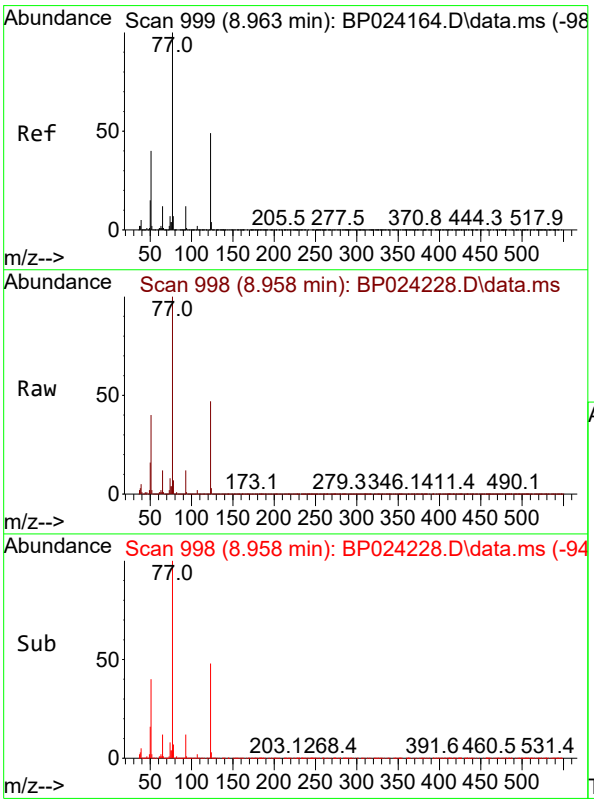

#23
Nitrobenzene-d5
Concen: 85.391 ng
RT: 8.916 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 1775974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.5 | 37.4 | 56.0 |
| 54 | 40.3 | 32.5 | 48.7 |

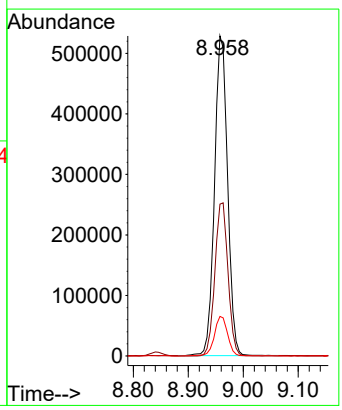


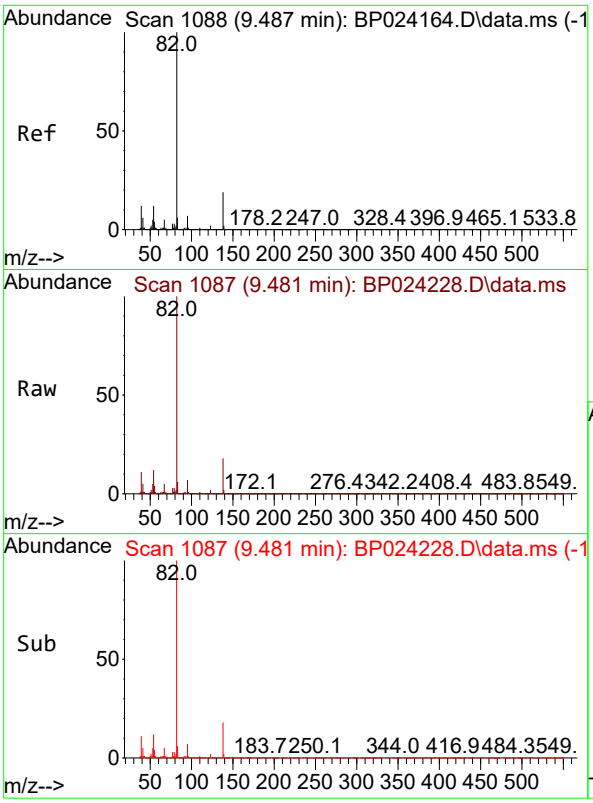




#24
Nitrobenzene
Concen: 42.572 ng
RT: 8.958 min Scan# 998
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion: 77 Resp: 873464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.5 | 39.4 | 59.2 |
| 65 | 12.4 | 9.9 | 14.9 |



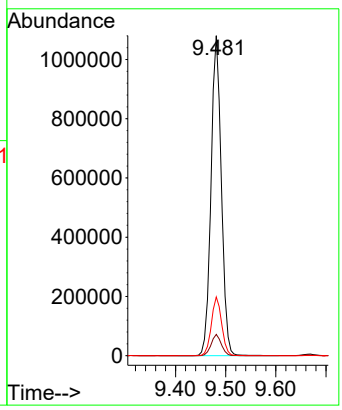


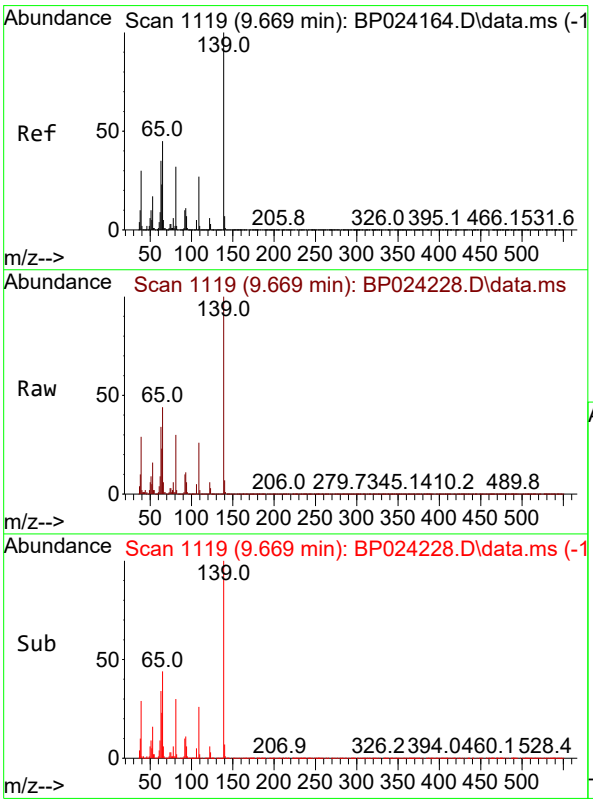

#25
Isophorone
Concen: 43.243 ng
RT: 9.481 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 1541684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.7 | 5.3 | 7.9 |
| 138 | 18.3 | 14.8 | 22.2 |

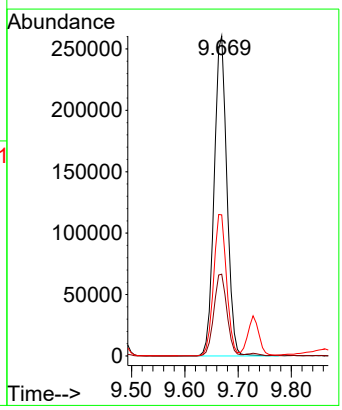


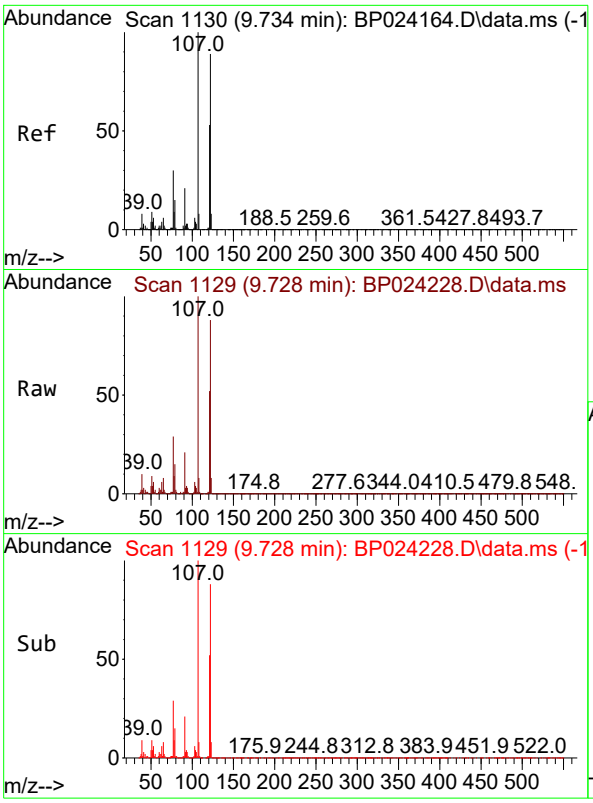




#26
2-Nitrophenol
Concen: 44.182 ng
RT: 9.669 min Scan# 1119
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:139 Resp: 433004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 25.6 | 21.7 | 32.5 |
| 65 | 44.1 | 35.8 | 53.8 |



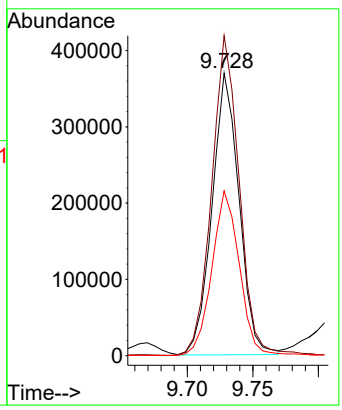


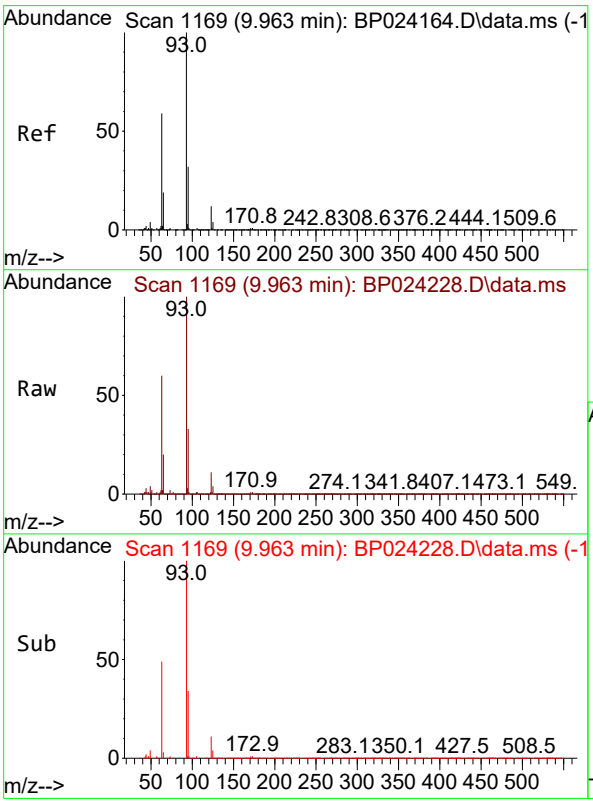

#27
2,4-Dimethylphenol
Concen: 41.973 ng
RT: 9.728 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:122 Resp: 528942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 113.3 | 89.3 | 133.9 |
| 121 | 58.4 | 47.5 | 71.3 |

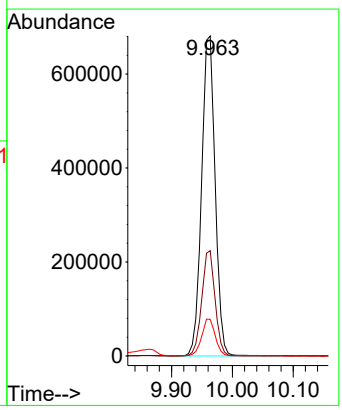


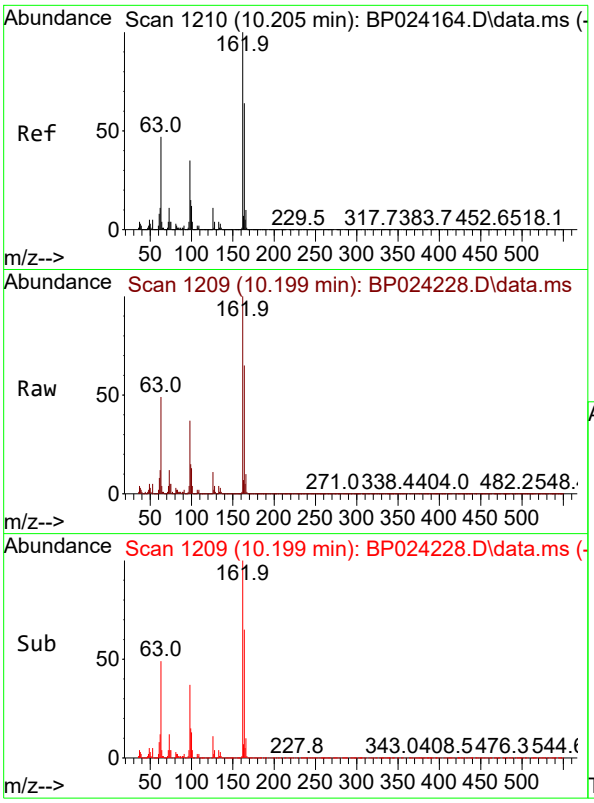




#28
bis(2-Chloroethoxy)methane
Concen: 42.043 ng
RT: 9.963 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion: 93 Resp: 1054466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.9 | 25.9 | 38.9 |
| 123 | 11.5 | 9.5 | 14.3 |



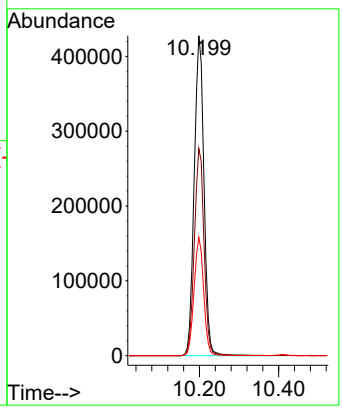


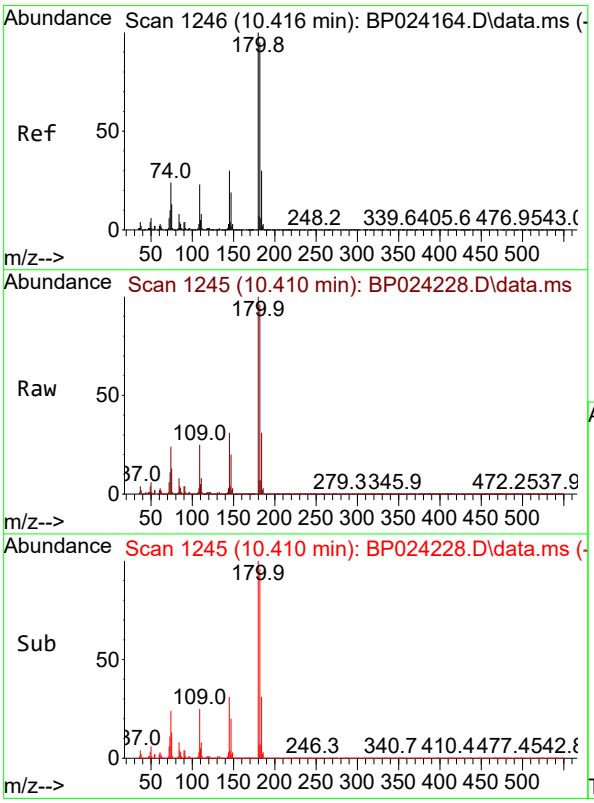

#29
2,4-Dichlorophenol
Concen: 42.809 ng
RT: 10.199 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 729792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.8 | 44.2 | 84.2 |
| 98 | 36.9 | 15.1 | 55.1 |

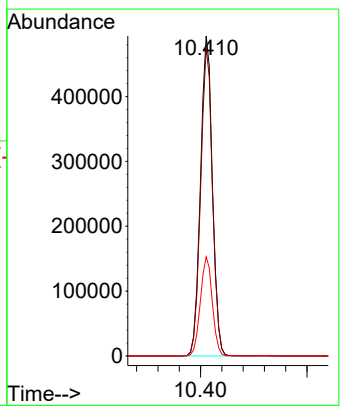


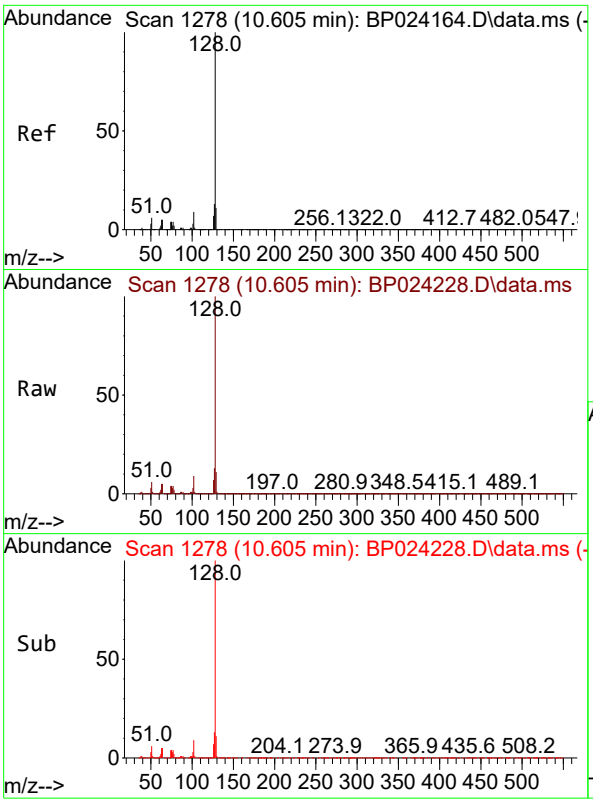




#30
1,2,4-Trichlorobenzene
Concen: 40.549 ng
RT: 10.410 min Scan# 1245
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:180 Resp: 763746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.4 | 76.1 | 114.1 |
| 145 | 31.0 | 24.2 | 36.2 |



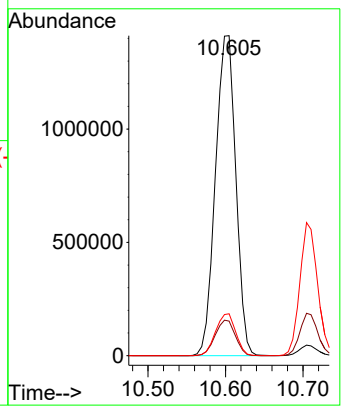


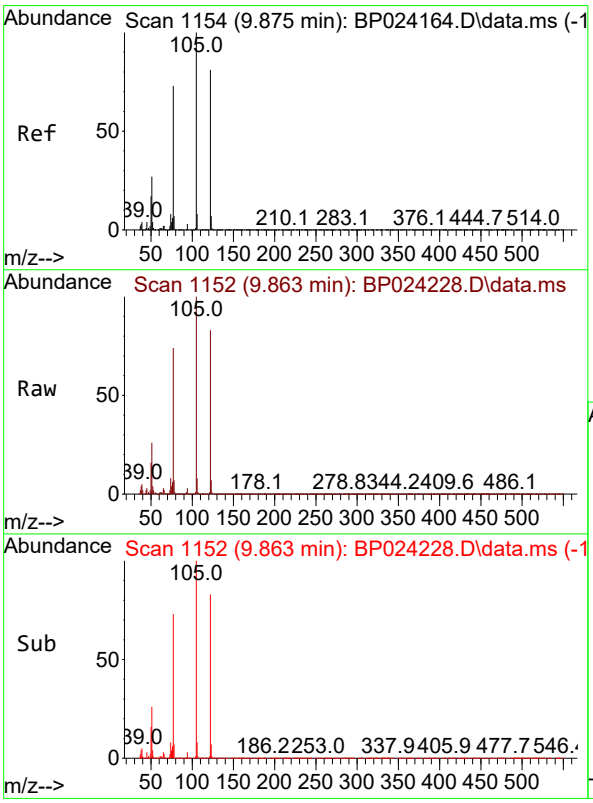

#31
Naphthalene
Concen: 41.488 ng
RT: 10.605 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:128 Resp: 2580706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.7 | 13.1 |
| 127 | 13.1 | 10.4 | 15.6 |

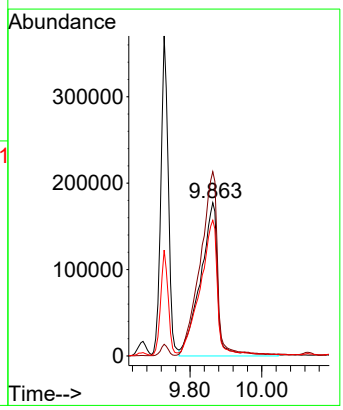


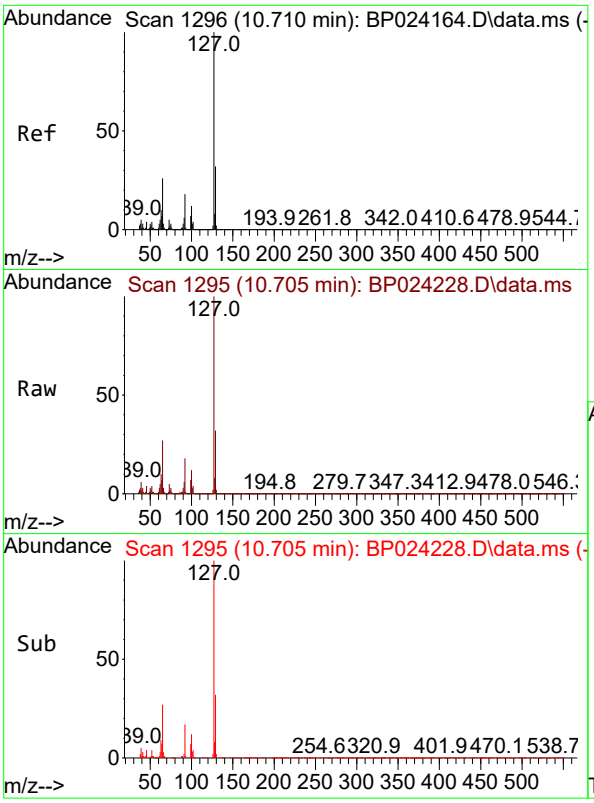




#32
Benzoic acid
Concen: 48.635 ng m
RT: 9.863 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:122 Resp: 597743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 120.2 | 100.3 | 140.3 |
| 77 | 88.5 | 69.1 | 109.1 |



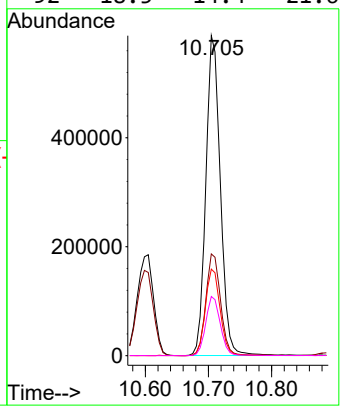


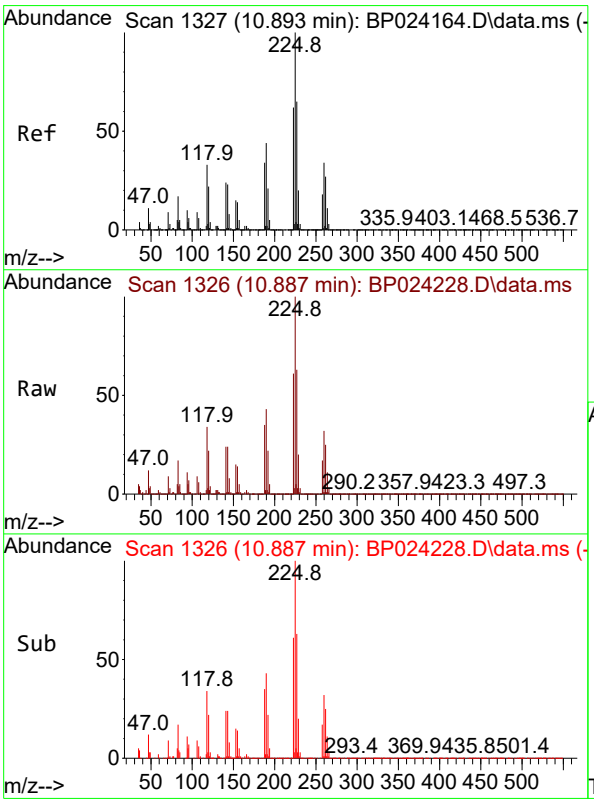

#33
4-Chloroaniline
Concen: 42.261 ng
RT: 10.705 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:127 Resp: 940754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.8 | 25.8 | 38.6 |
| 65 | 27.0 | 21.2 | 31.8 |
| 92 | 18.5 | 14.4 | 21.6 |

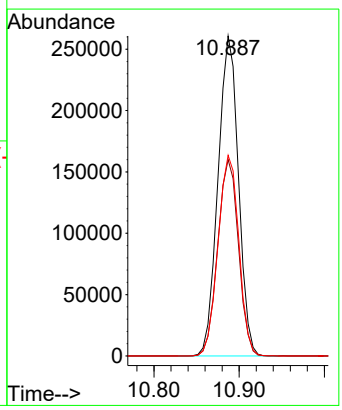


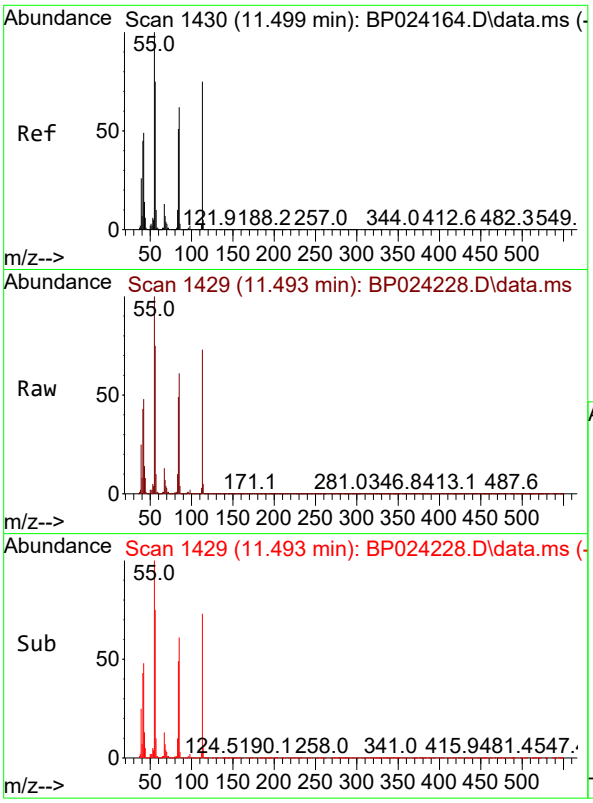




#34
Hexachlorobutadiene
Concen: 40.101 ng
RT: 10.887 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:225 Resp: 434685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.4 | 49.9 | 74.9 |
| 227 | 62.7 | 52.2 | 78.2 |



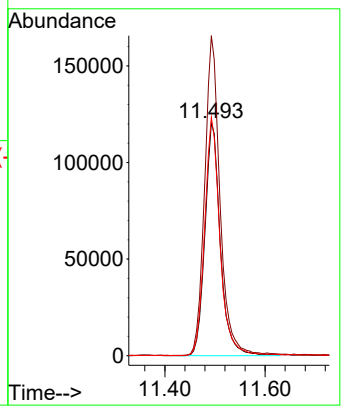


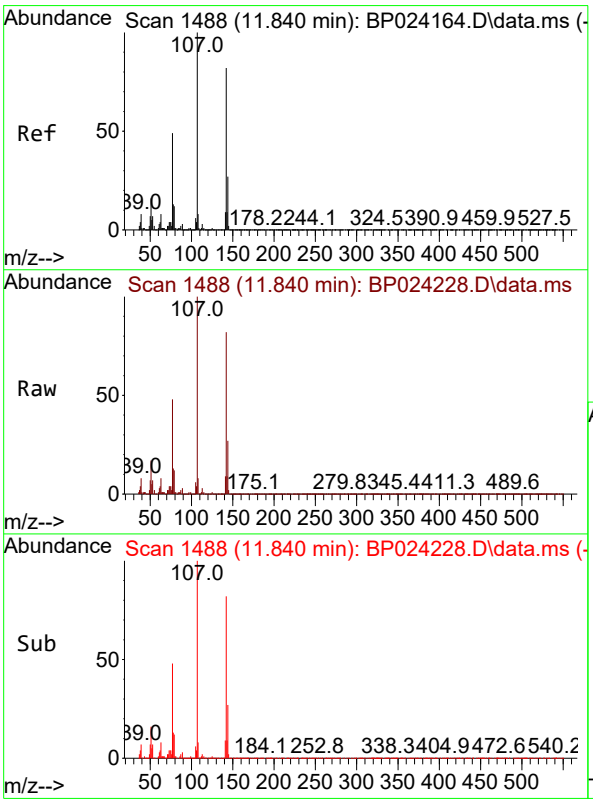

#35
Caprolactam
Concen: 46.011 ng
RT: 11.493 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:113 Resp: 257074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 137.5 | 113.6 | 153.6 |
| 56 | 102.4 | 80.0 | 120.0 |

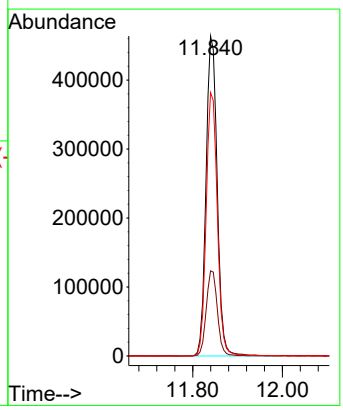


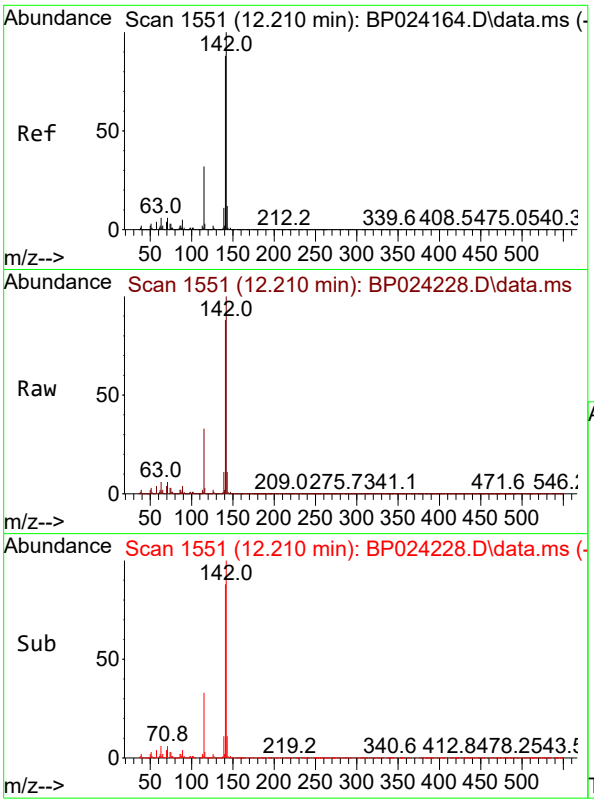




#36
4-Chloro-3-methylphenol
Concen: 43.485 ng
RT: 11.840 min Scan# 1488
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:107 Resp: 799711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.6 | 21.6 | 32.4 |
| 142 | 82.3 | 65.4 | 98.0 |



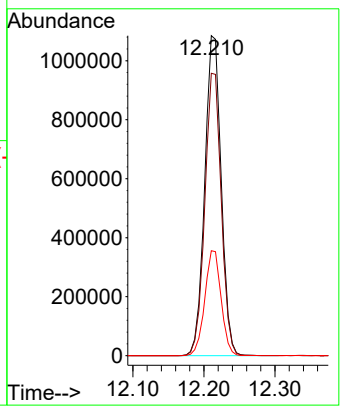


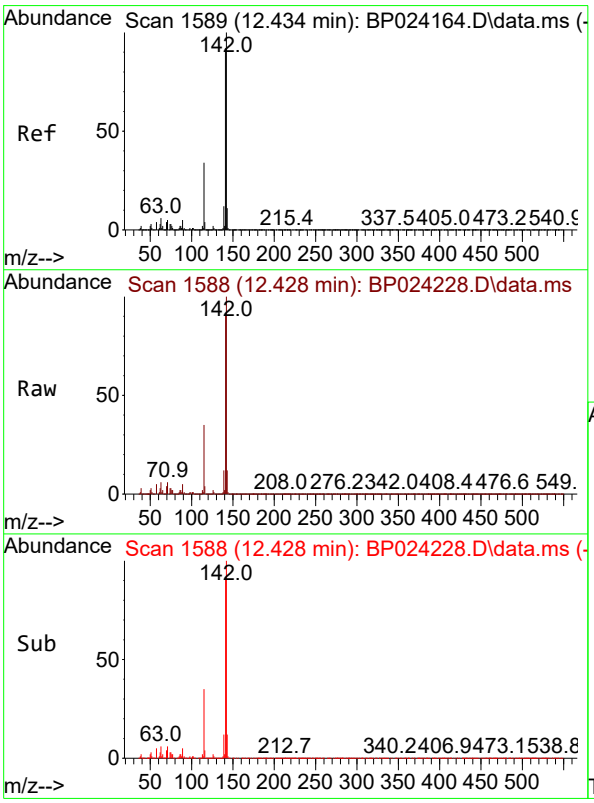

#37
2-Methylnaphthalene
Concen: 41.629 ng
RT: 12.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:142 Resp: 1749345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.2 | 70.3 | 105.5 |
| 115 | 32.8 | 26.0 | 39.0 |

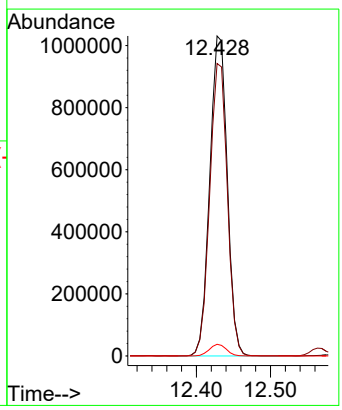


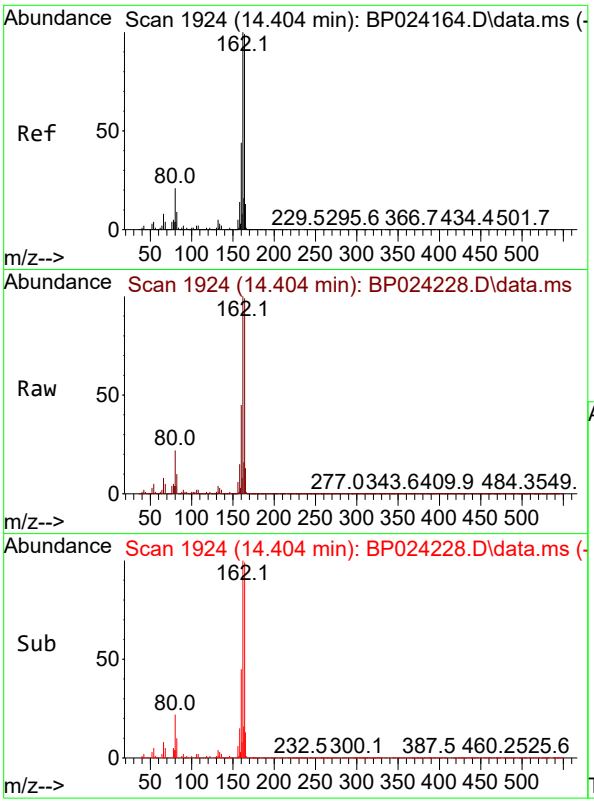




#38
1-Methylnaphthalene
Concen: 41.312 ng
RT: 12.428 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:142 Resp: 1688556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.4 | 73.9 | 110.9 |
| 116 | 3.6 | 2.8 | 4.2 |



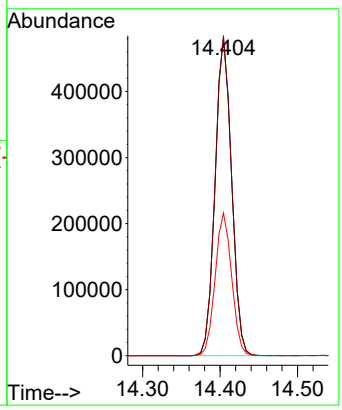


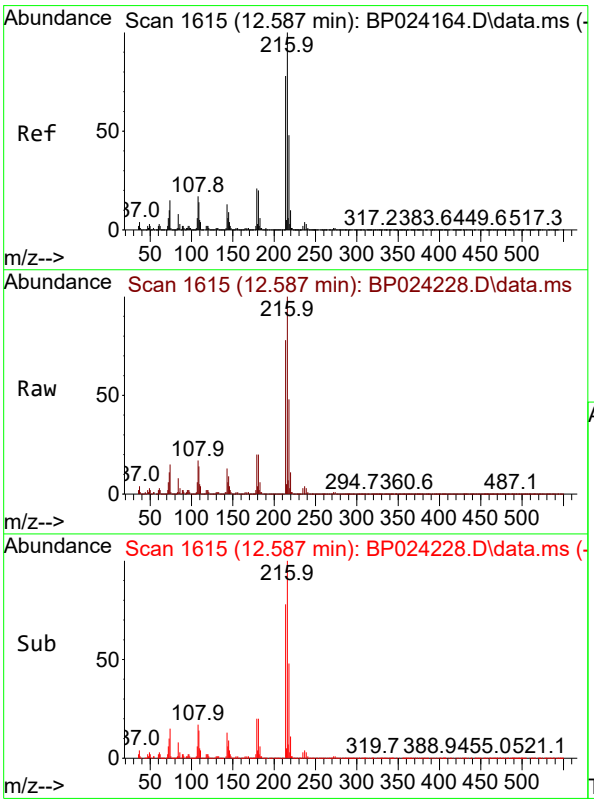

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:164 Resp: 712048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.9 | 80.6 | 121.0 |
| 160 | 45.0 | 35.4 | 53.2 |

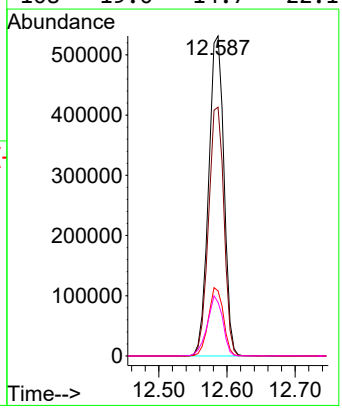


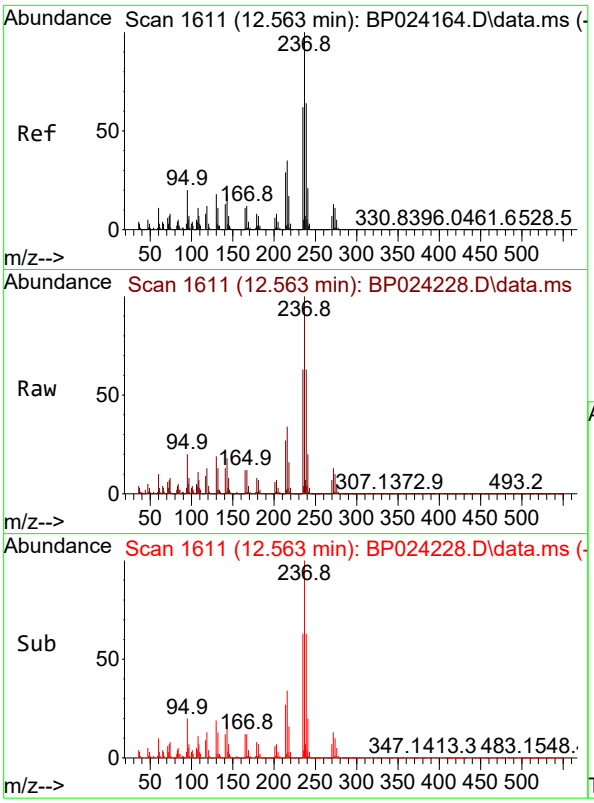




#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.347 ng
RT: 12.587 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:216 Resp: 830463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.2 | 62.8 | 94.2 |
| 179 | 21.0 | 16.8 | 25.2 |
| 108 | 19.0 | 14.7 | 22.1 |



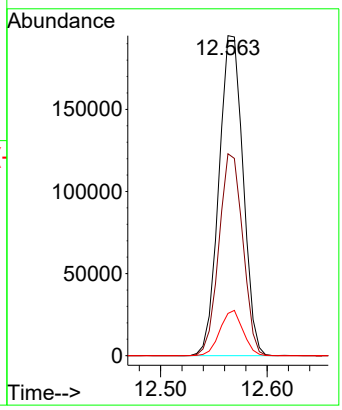


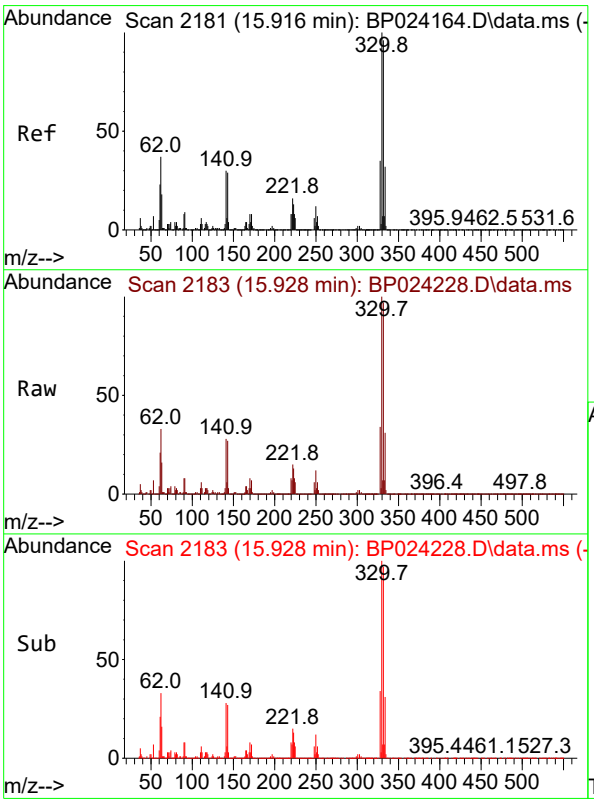

#41
Hexachlorocyclopentadiene
Concen: 41.311 ng
RT: 12.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:237 Resp: 306506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.1 | 41.8 | 81.8 |
| 272 | 13.2 | 0.0 | 33.5 |

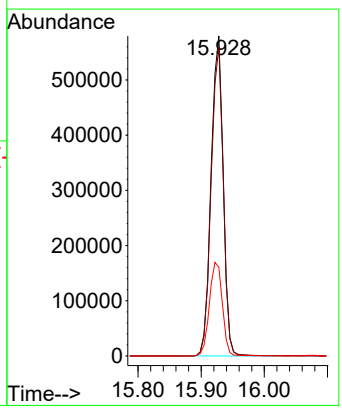


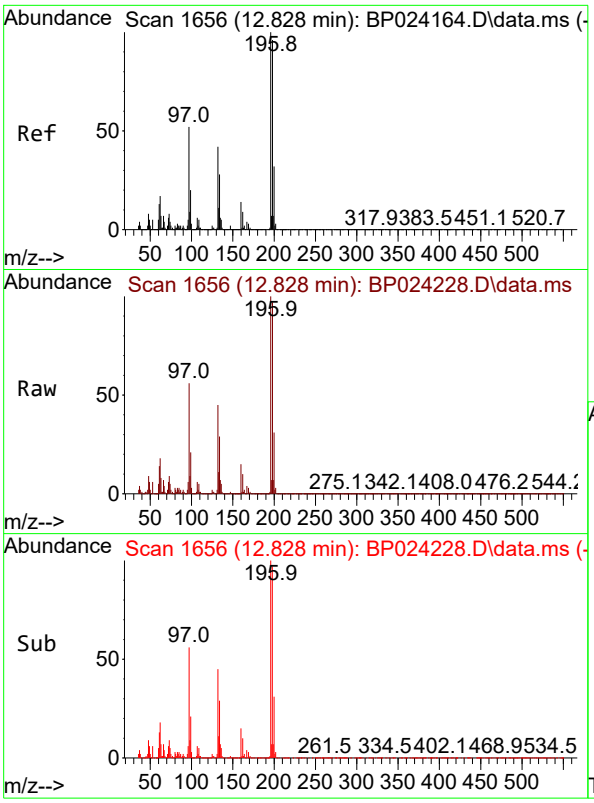




#42
2,4,6-Tribromophenol
Concen: 86.150 ng
RT: 15.928 min Scan# 2183
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:330 Resp: 772690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.4 | 77.6 | 116.4 |
| 141 | 31.2 | 25.0 | 37.6 |



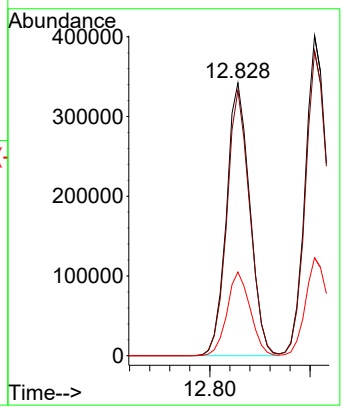


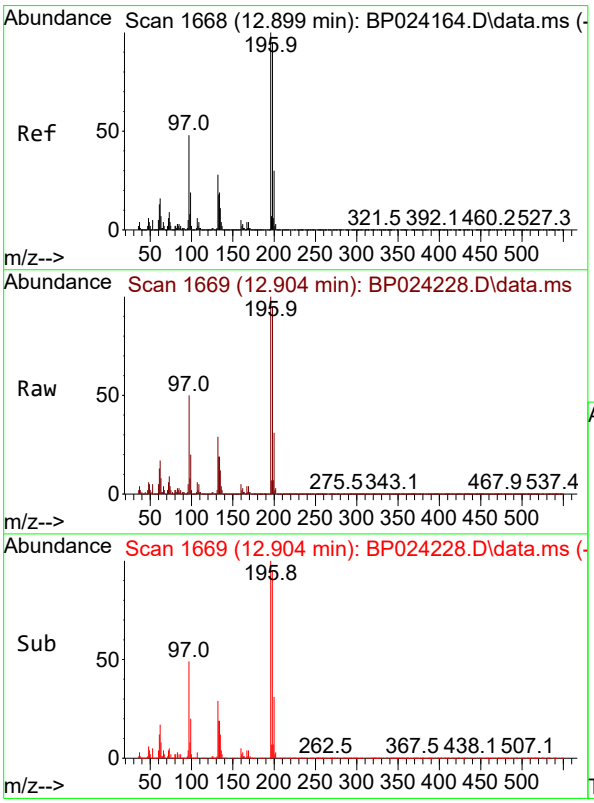

#43
2,4,6-Trichlorophenol
Concen: 42.177 ng
RT: 12.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:196 Resp: 551712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 97.2 | 76.6 | 115.0 |
| 200 | 30.7 | 25.4 | 38.0 |

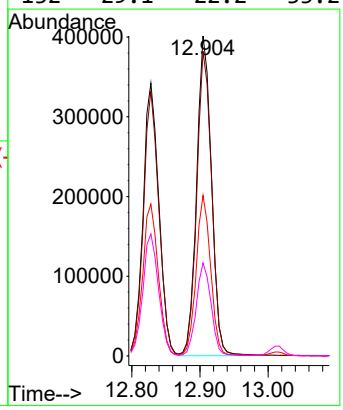


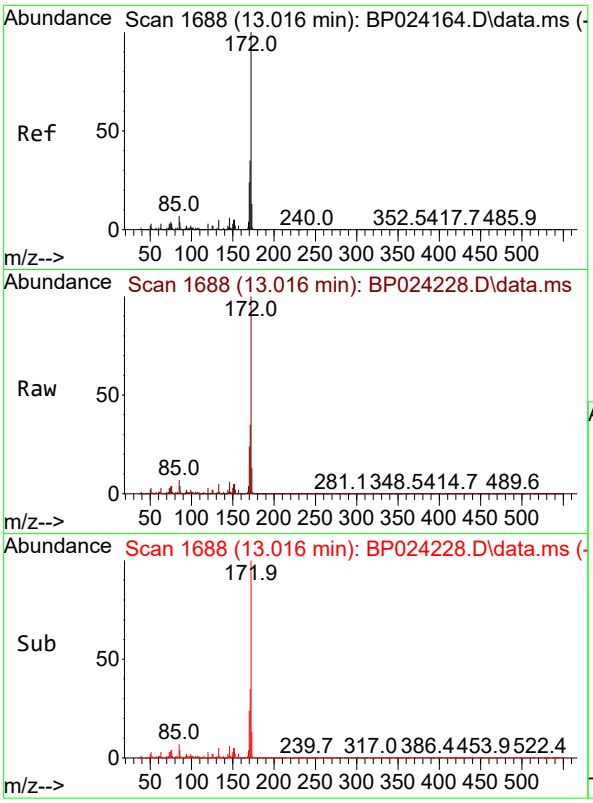




#44
2,4,5-Trichlorophenol
Concen: 42.299 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:196 Resp: 606798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.2 | 76.5 | 114.7 |
| 97 | 50.2 | 38.7 | 58.1 |
| 132 | 29.1 | 22.2 | 33.2 |



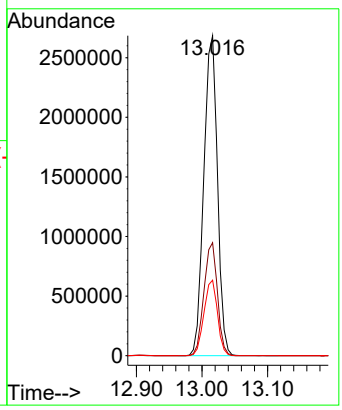


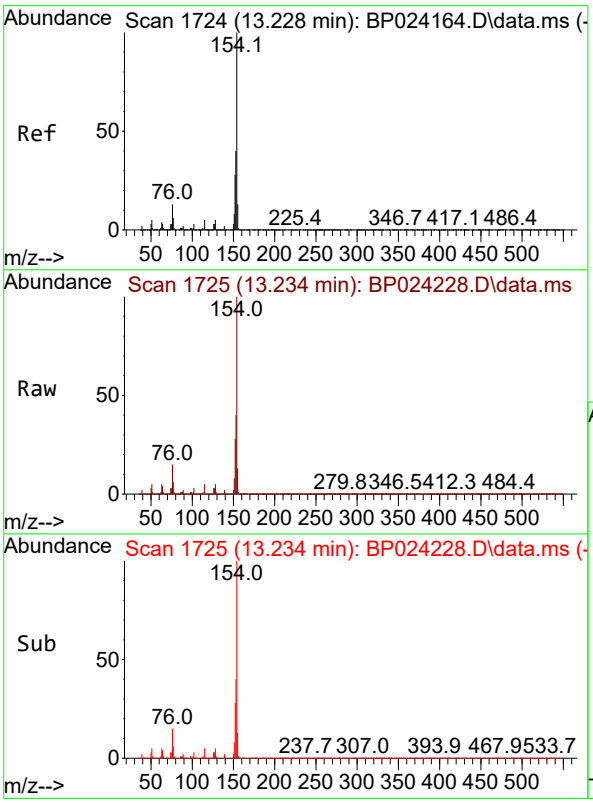

#45
2-Fluorobiphenyl
Concen: 80.493 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:172 Resp: 3887020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 28.3 | 42.5 |
| 170 | 23.6 | 19.0 | 28.4 |

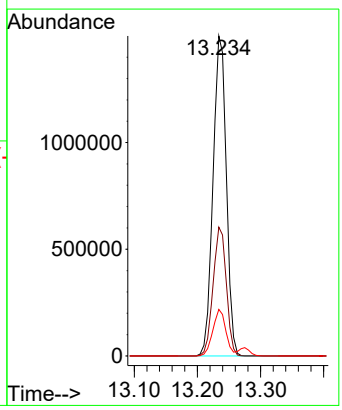


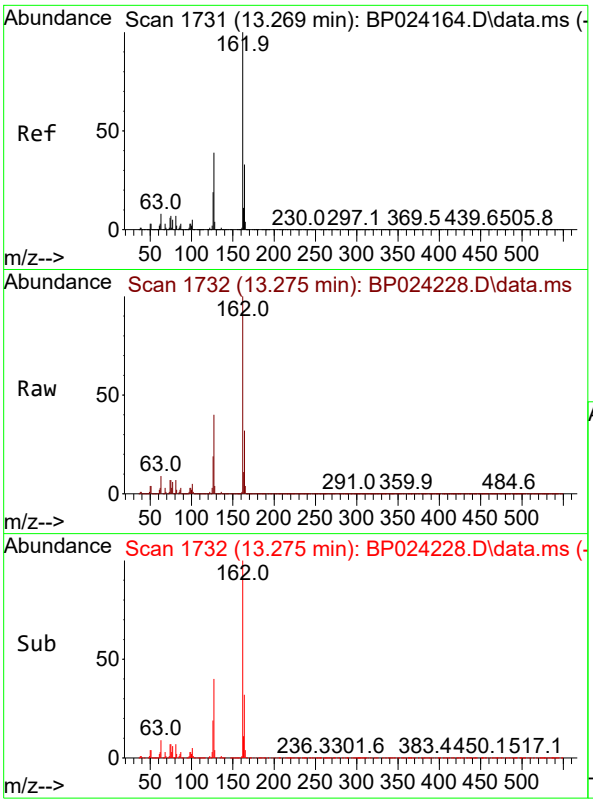




#46
1,1'-Biphenyl
Concen: 40.942 ng
RT: 13.234 min Scan# 1725
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:154 Resp: 2190701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.2 | 20.3 | 60.3 |
| 76 | 14.5 | 0.0 | 32.9 |



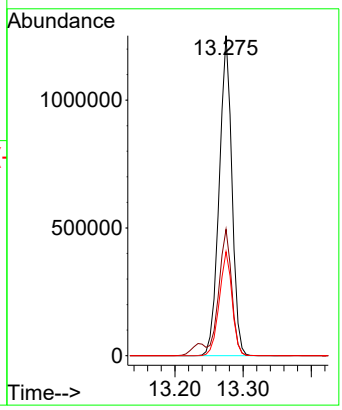


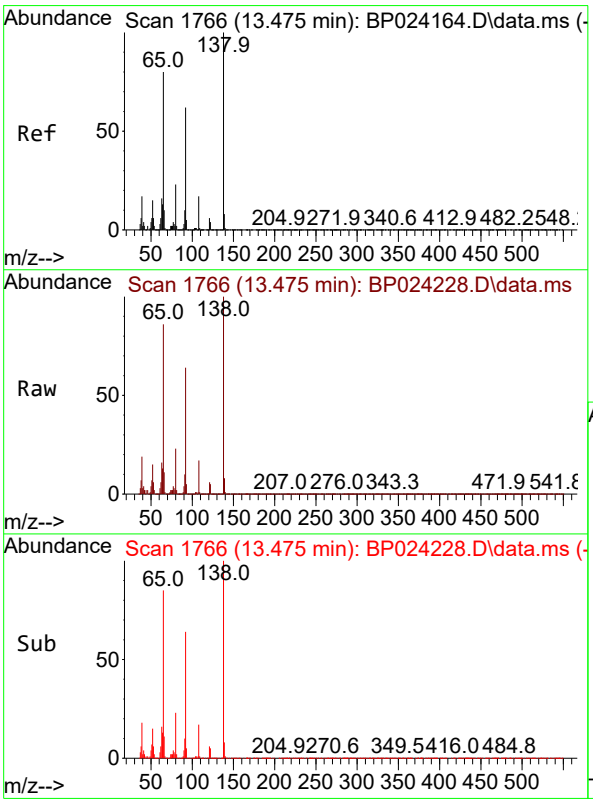

#47
2-Chloronaphthalene
Concen: 40.362 ng
RT: 13.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 1624413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 39.5 | 31.5 | 47.3 |
| 164 | 32.5 | 26.6 | 39.8 |

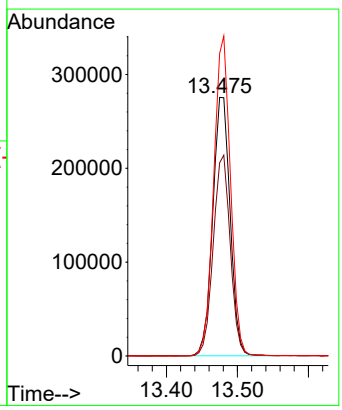


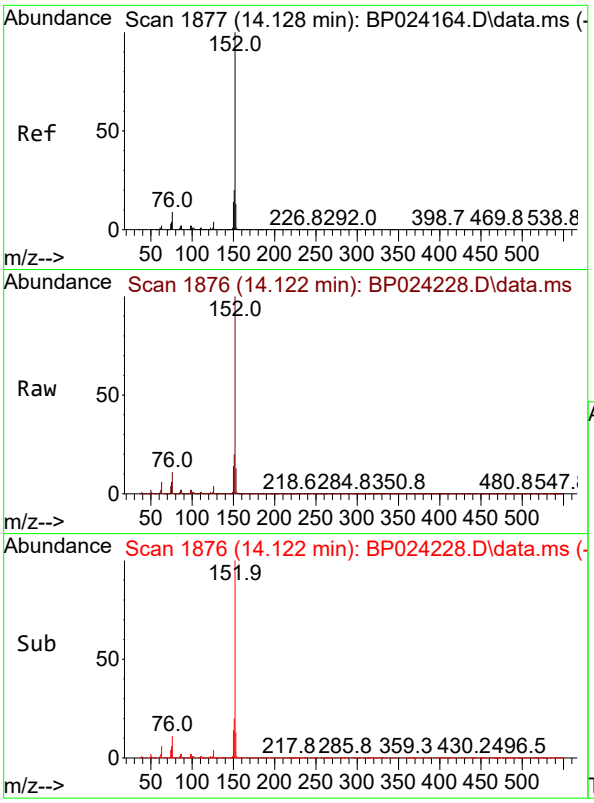




#48
2-Nitroaniline
Concen: 45.470 ng
RT: 13.475 min Scan# 1766
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion: 65 Resp: 468062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 74.7 | 62.1 | 93.1 |
| 138 | 117.0 | 99.5 | 149.3 |



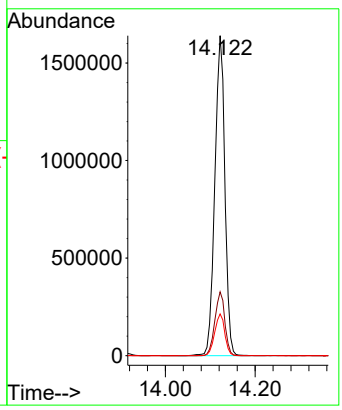


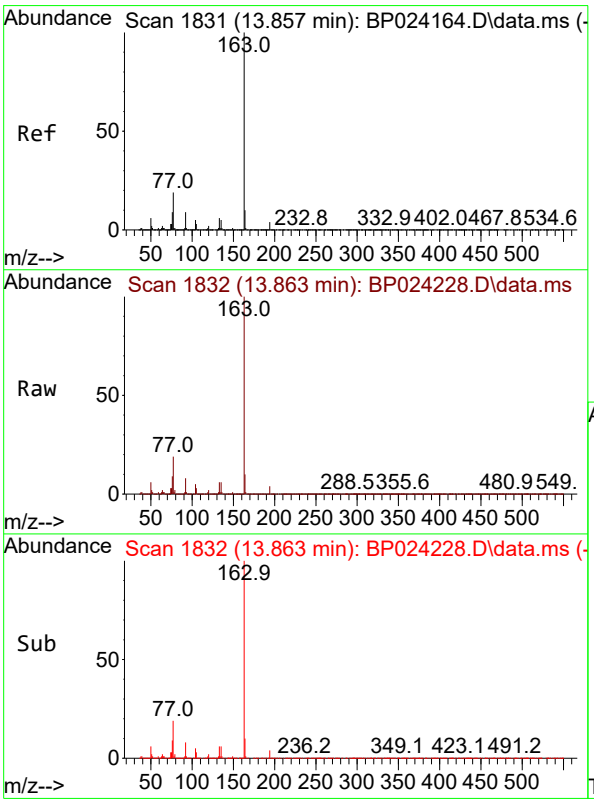

#49
Acenaphthylene
Concen: 41.802 ng
RT: 14.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 2545636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.0 | 16.0 | 24.0 |
| 153 | 13.0 | 10.6 | 15.8 |

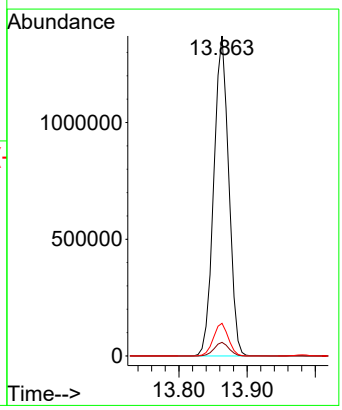


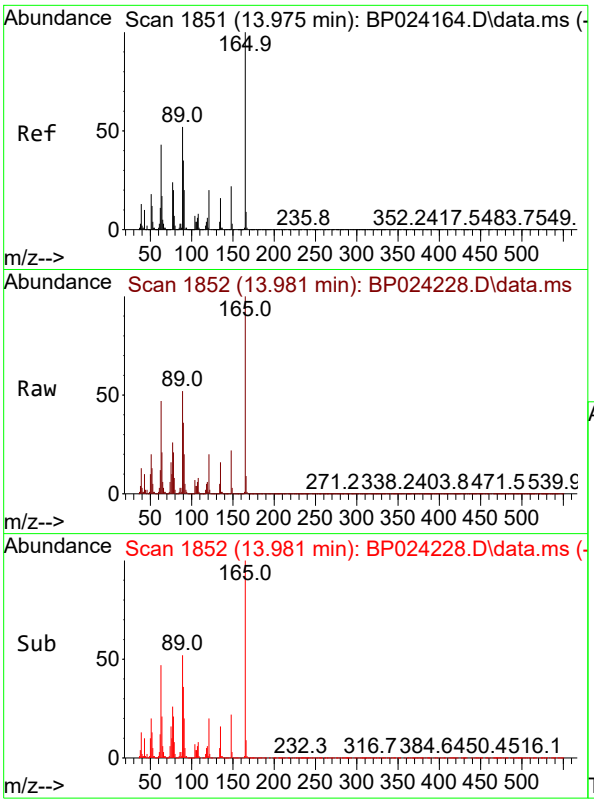




#50
Dimethylphthalate
Concen: 41.901 ng
RT: 13.863 min Scan# 1832
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:163 Resp: 2087636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.4 | 5.0 |
| 164 | 10.2 | 8.2 | 12.4 |



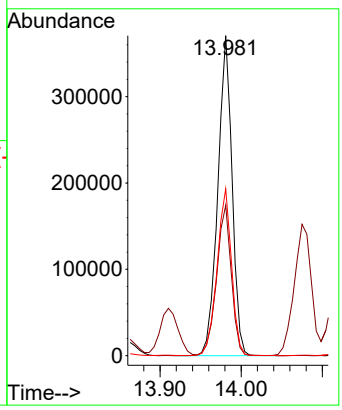


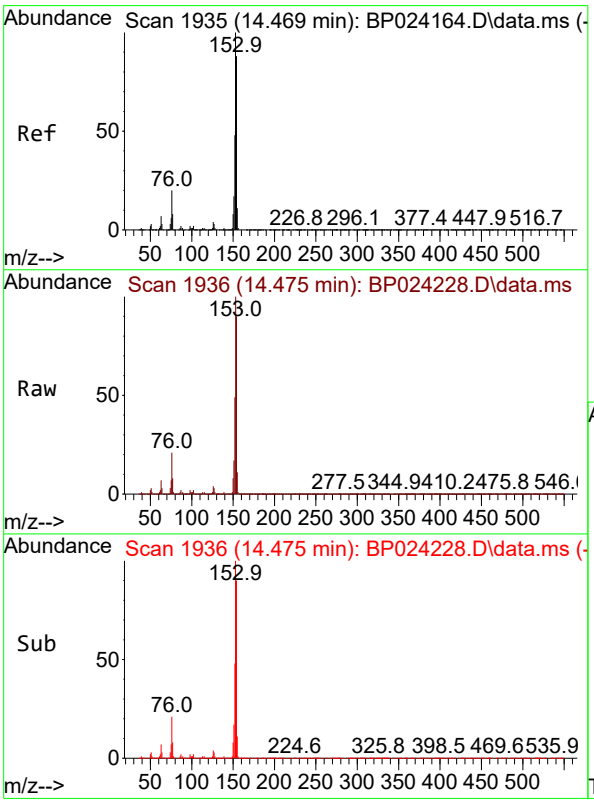

#51
2,6-Dinitrotoluene
Concen: 43.271 ng
RT: 13.981 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 453615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 47.0 | 37.7 | 56.5 |
| 89 | 52.1 | 41.9 | 62.9 |

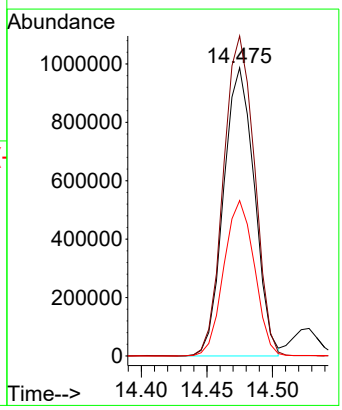


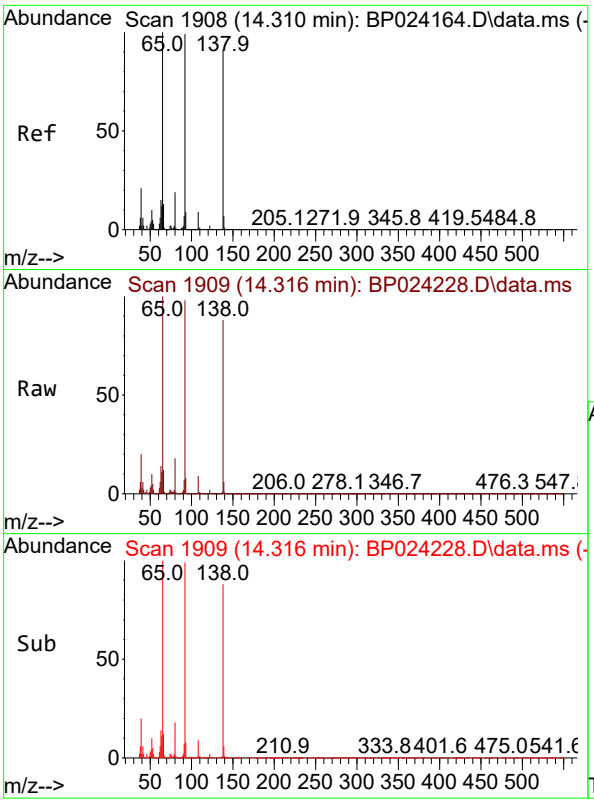




#52
Acenaphthene
Concen: 41.411 ng
RT: 14.475 min Scan# 1936
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:154 Resp: 1611256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.0 | 90.5 | 135.7 |
| 152 | 53.9 | 43.1 | 64.7 |



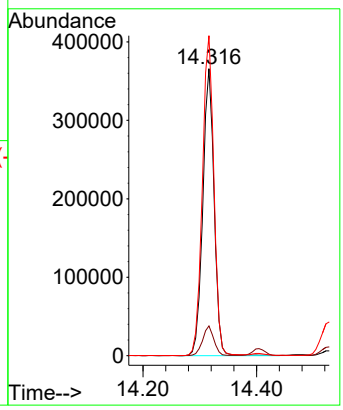


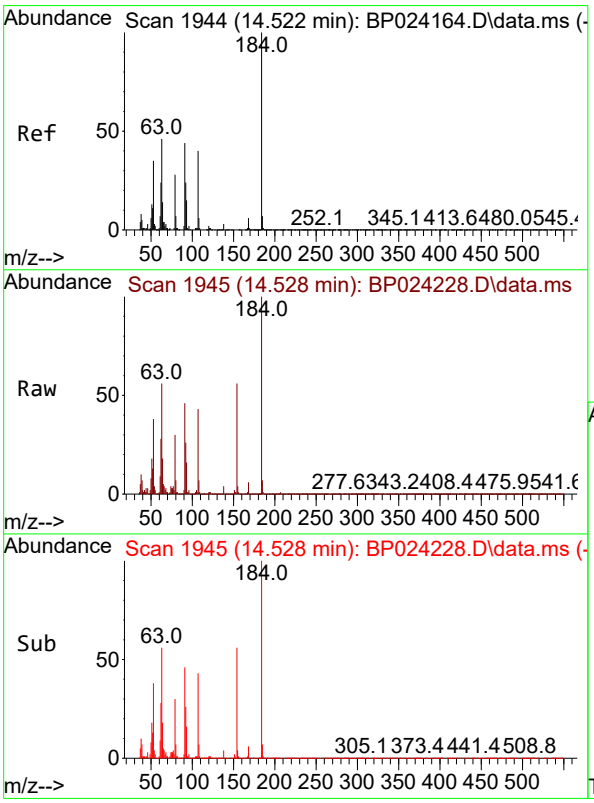

#53
3-Nitroaniline
Concen: 44.593 ng
RT: 14.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:138 Resp: 504903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.4 | 8.2 | 12.2 |
| 92 | 111.5 | 86.7 | 130.1 |

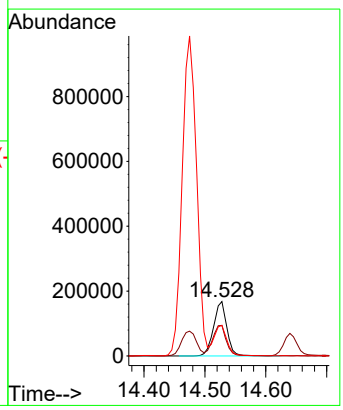


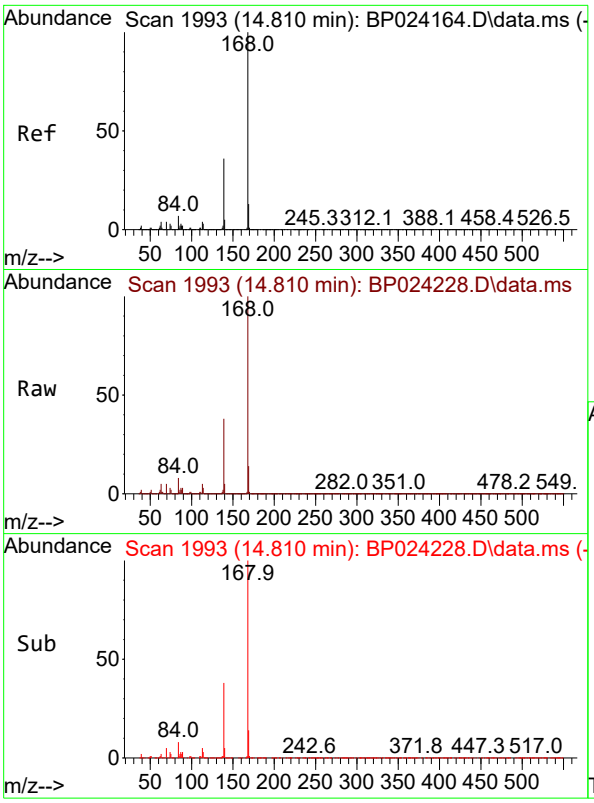




#54
2,4-Dinitrophenol
Concen: 45.859 ng
RT: 14.528 min Scan# 1945
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:184 Resp: 254373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 56.1 | 42.1 | 63.1 |
| 154 | 56.2 | 44.6 | 67.0 |



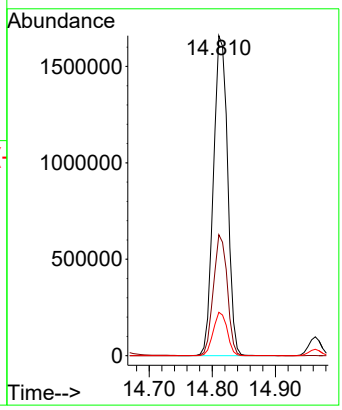


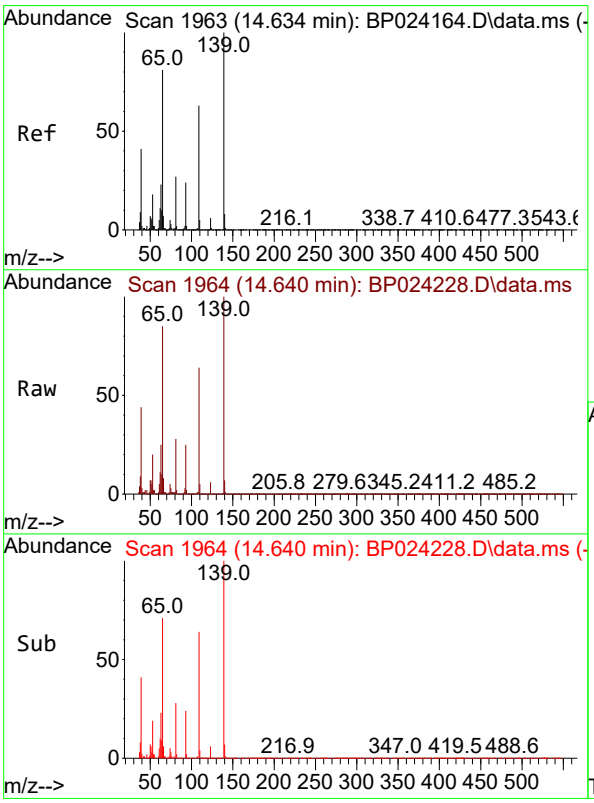

#55
Dibenzofuran
Concen: 41.102 ng
RT: 14.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:168 Resp: 2590493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.8 | 29.1 | 43.7 |
| 169 | 13.5 | 10.8 | 16.2 |

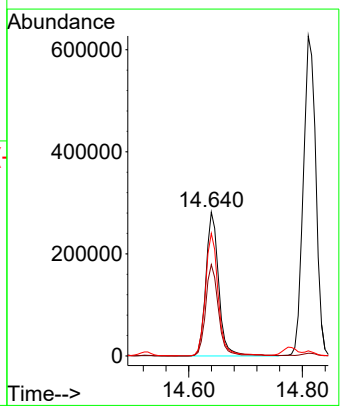


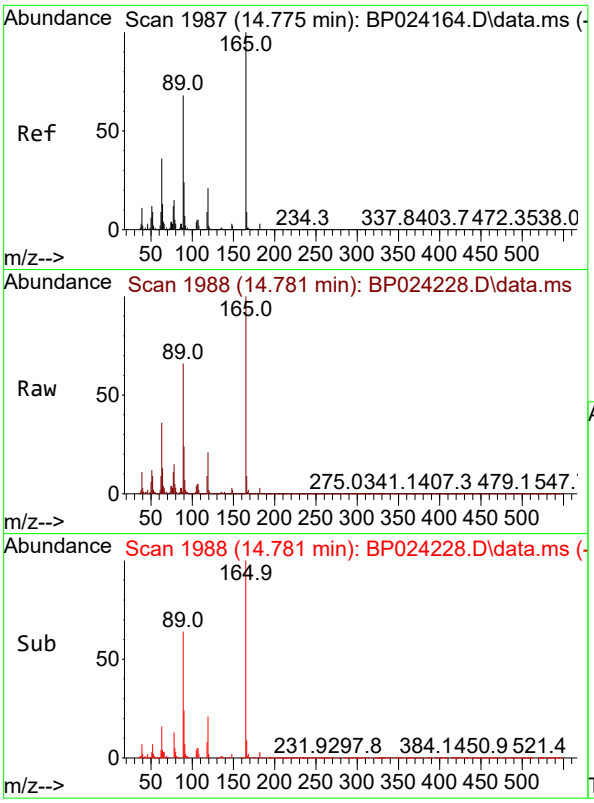




#56
4-Nitrophenol
Concen: 46.371 ng
RT: 14.640 min Scan# 1964
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:139 Resp: 438706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 63.6 | 43.3 | 83.3 |
| 65 | 85.3 | 61.2 | 101.2 |



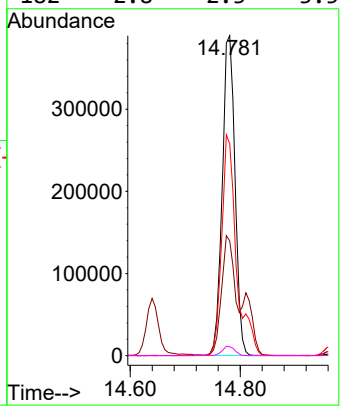


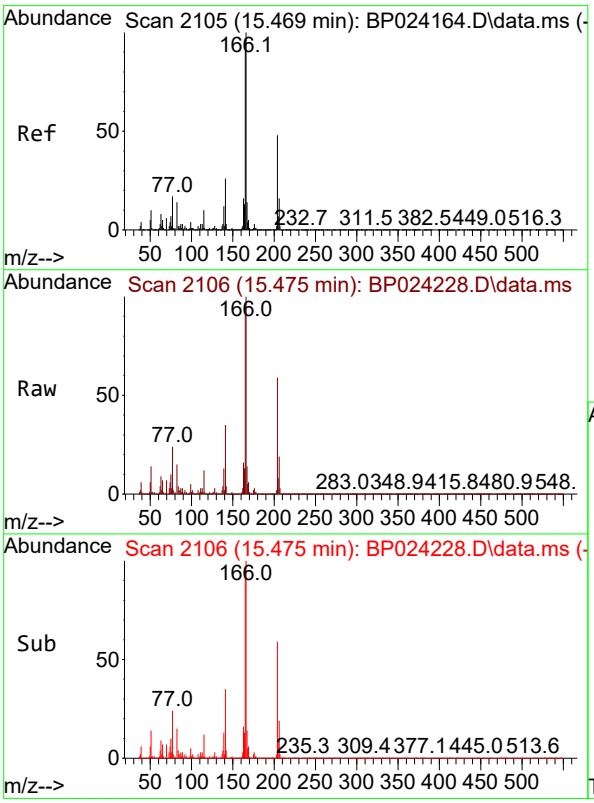

#57
2,4-Dinitrotoluene
Concen: 45.191 ng
RT: 14.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 625765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 35.9 | 29.0 | 43.6 |
| 89 | 66.2 | 54.2 | 81.4 |
| 182 | 2.8 | 2.3 | 3.5 |

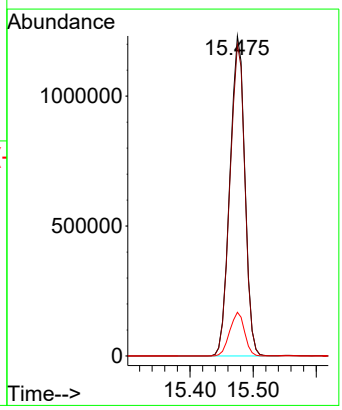


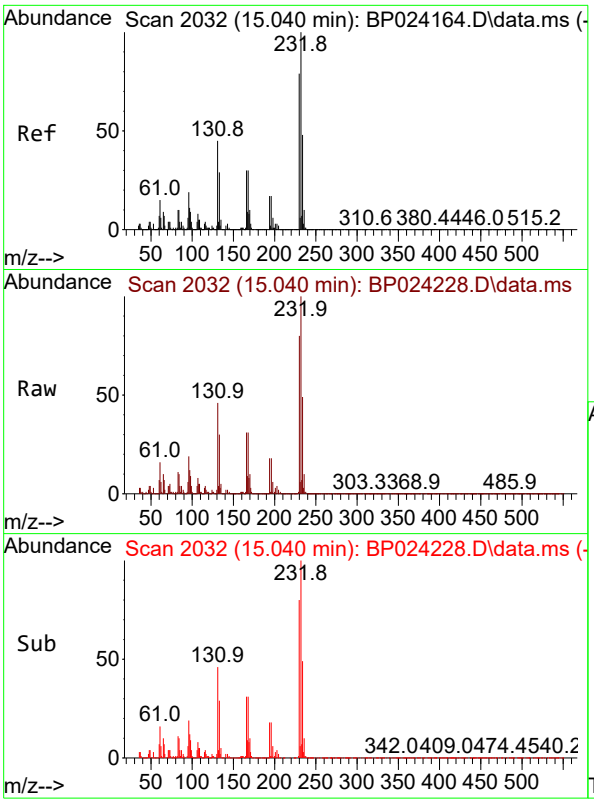




#58
Fluorene
Concen: 41.183 ng
RT: 15.475 min Scan# 2106
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:166 Resp: 2022327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.4 | 77.6 | 116.4 |
| 167 | 13.7 | 10.8 | 16.2 |



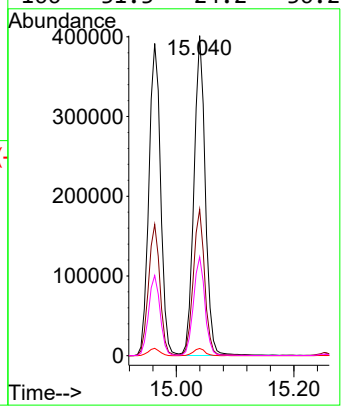


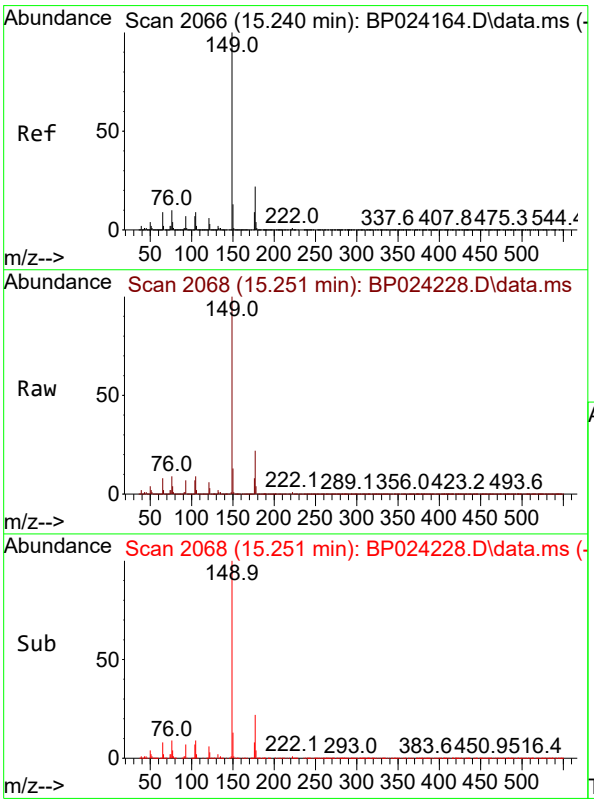

#59
2,3,4,6-Tetrachlorophenol
Concen: 42.344 ng
RT: 15.040 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:232 Resp: 536689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.6 | 35.9 | 53.9 |
| 130 | 2.4 | 1.8 | 2.6 |
| 166 | 31.3 | 24.2 | 36.2 |

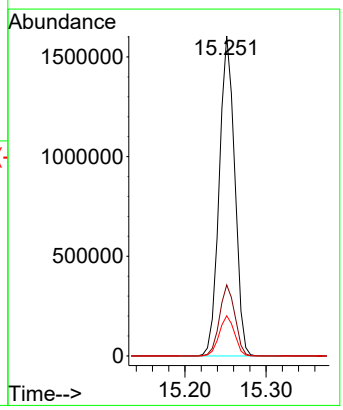


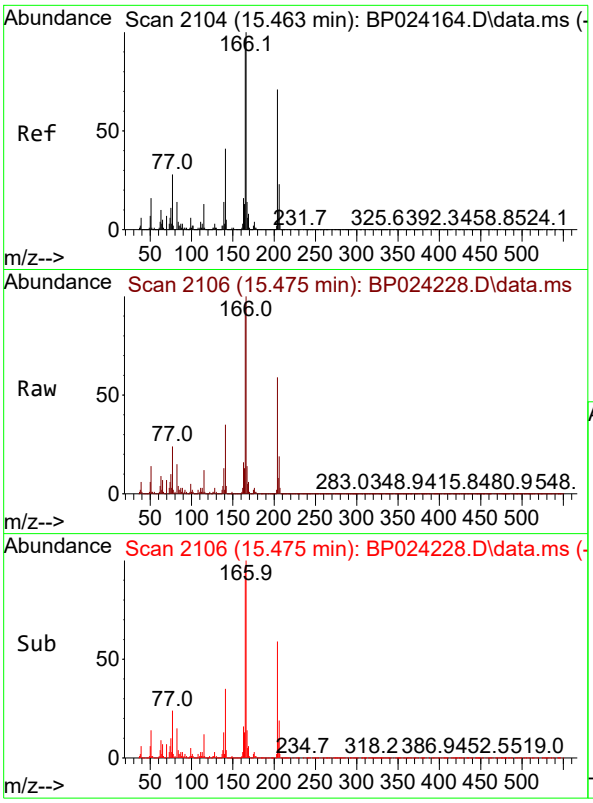




#60
Diethylphthalate
Concen: 42.942 ng
RT: 15.251 min Scan# 2068
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:149 Resp: 2130607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.2 | 17.7 | 26.5 |
| 150 | 12.5 | 10.2 | 15.4 |



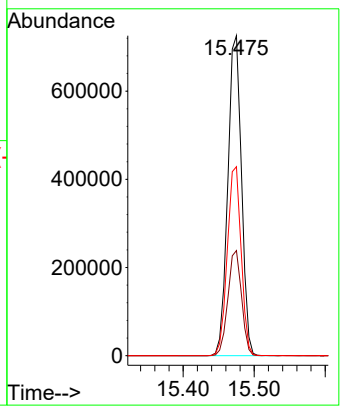


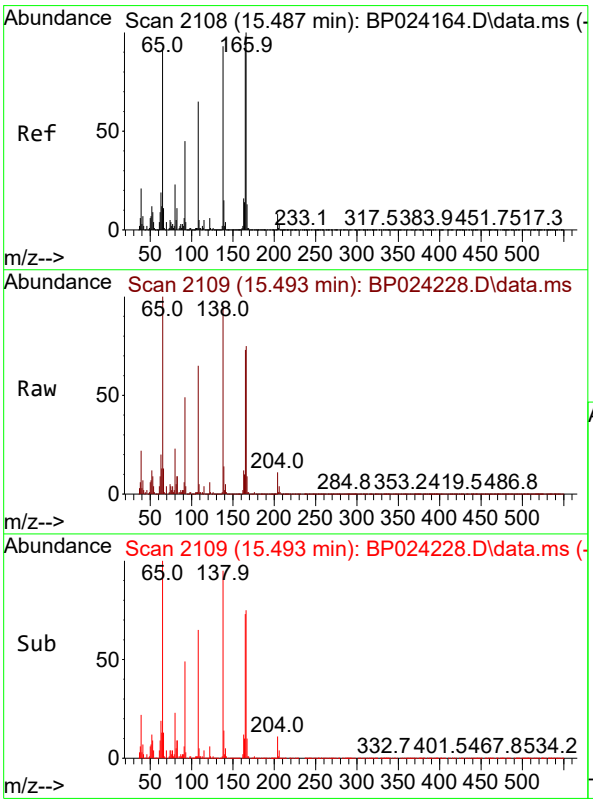

#61
4-Chlorophenyl-phenylether
Concen: 40.284 ng
RT: 15.475 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:204 Resp: 970246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.9 | 26.4 | 39.6 |
| 141 | 59.1 | 45.8 | 68.8 |

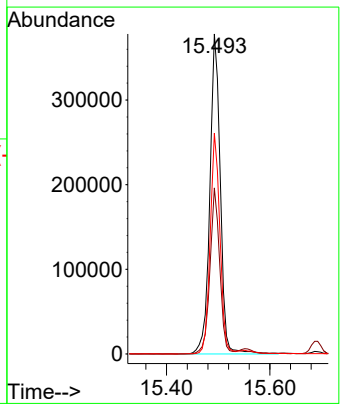


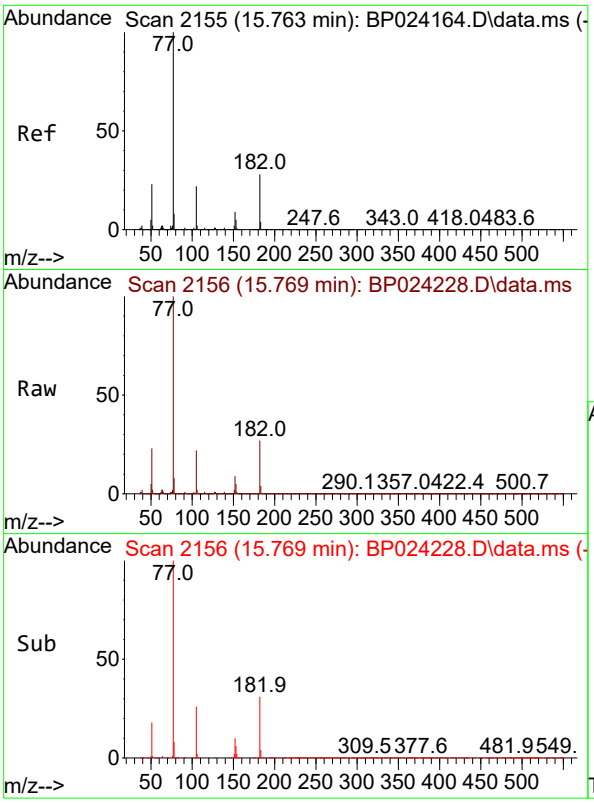




#62
4-Nitroaniline
Concen: 44.847 ng
RT: 15.493 min Scan# 2109
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:138 Resp: 532563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 51.9 | 28.7 | 68.7 |
| 108 | 69.0 | 49.5 | 89.5 |



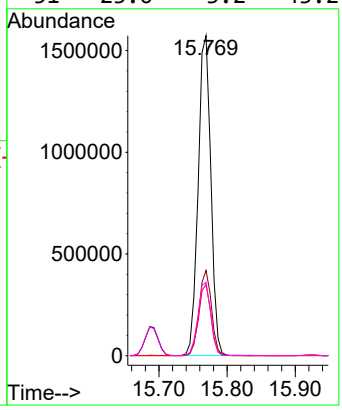


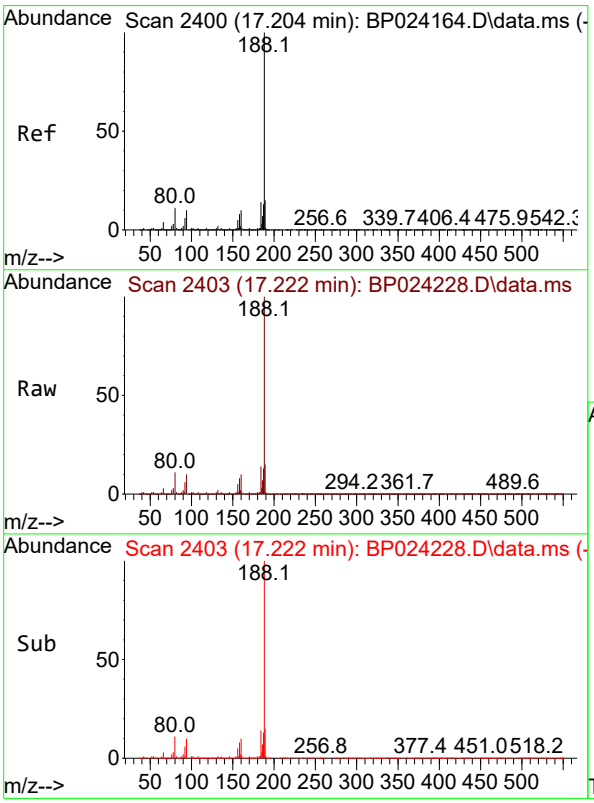

#63
Azobenzene
Concen: 43.353 ng
RT: 15.769 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 2027384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.7 | 7.7 | 47.7 |
| 105 | 22.2 | 2.3 | 42.3 |
| 51 | 23.0 | 3.2 | 43.2 |

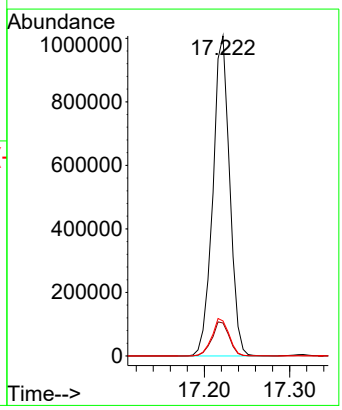


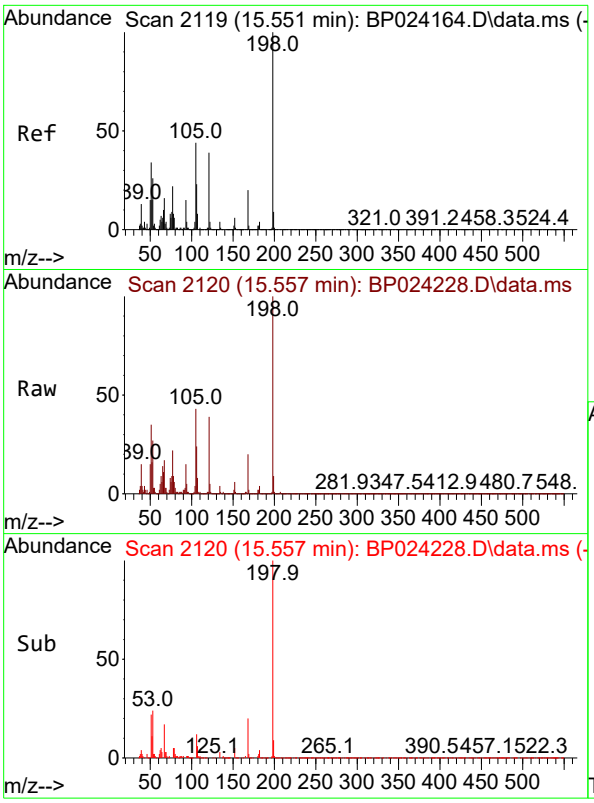




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.222 min Scan# 2403
Delta R.T. 0.018 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:188 Resp: 1380061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.3 | 8.1 | 12.1 |
| 80 | 11.0 | 8.9 | 13.3 |



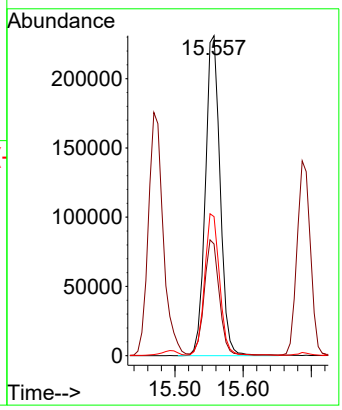


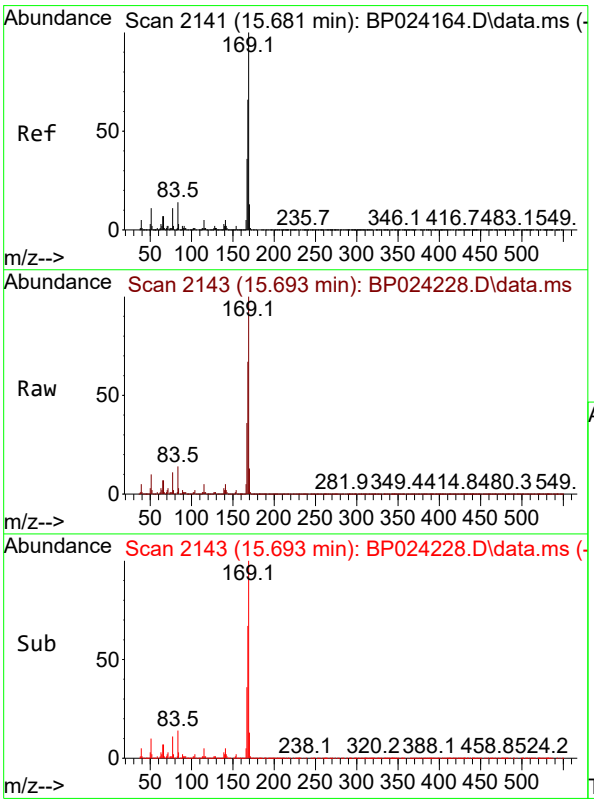

#65
4,6-Dinitro-2-methylphenol
Concen: 42.395 ng
RT: 15.557 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:198 Resp: 347340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 34.9 | 14.7 | 54.7 |
| 105 | 43.5 | 23.8 | 63.8 |

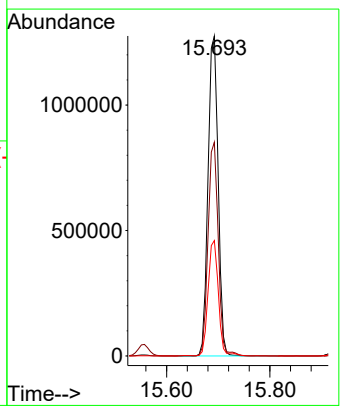


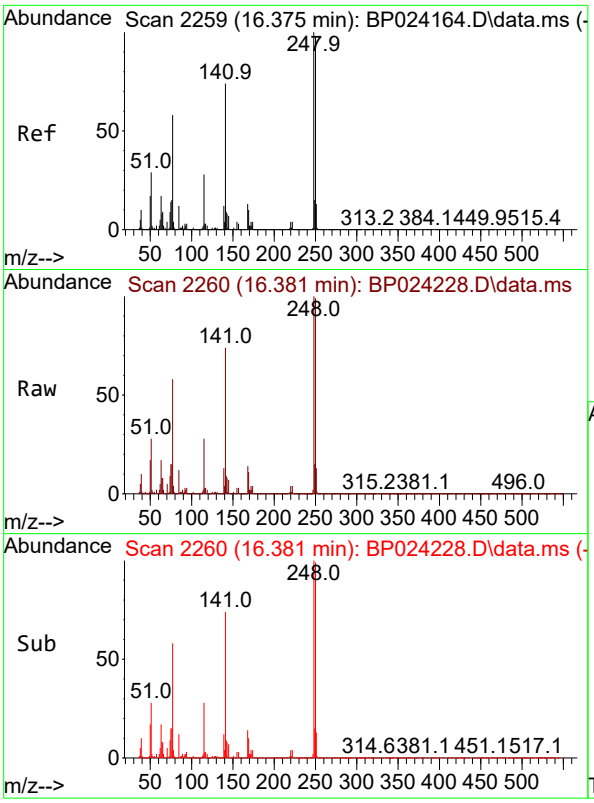




#66
n-Nitrosodiphenylamine
Concen: 41.235 ng
RT: 15.693 min Scan# 2143
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:169 Resp: 1728077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.8 | 52.9 | 79.3 |
| 167 | 36.0 | 28.8 | 43.2 |



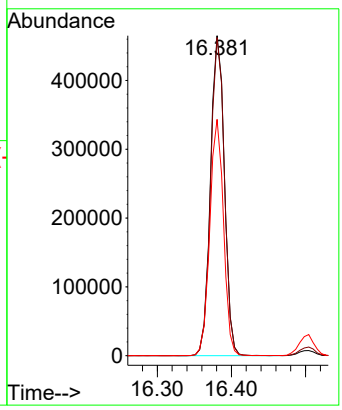


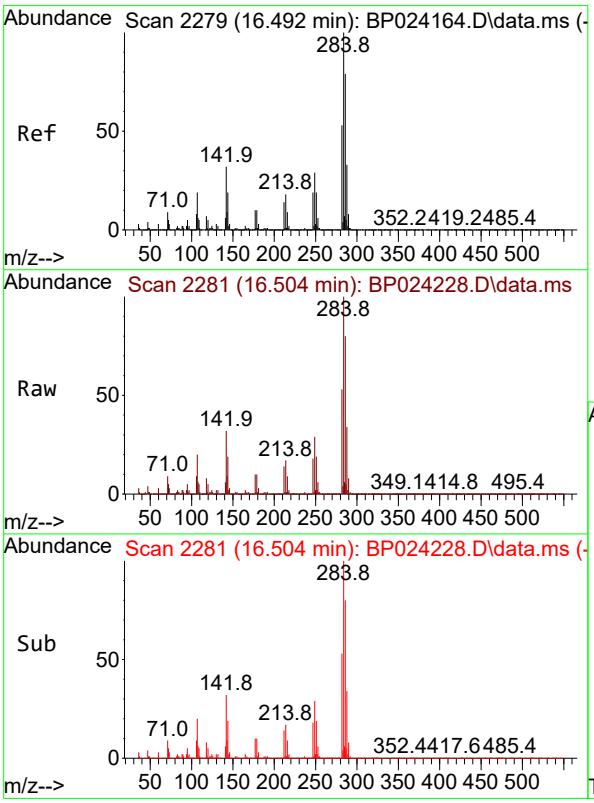

#67
4-Bromophenyl-phenylether
Concen: 40.028 ng
RT: 16.381 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:248 Resp: 606490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 99.4 | 78.4 | 117.6 |
| 141 | 73.8 | 59.4 | 89.0 |

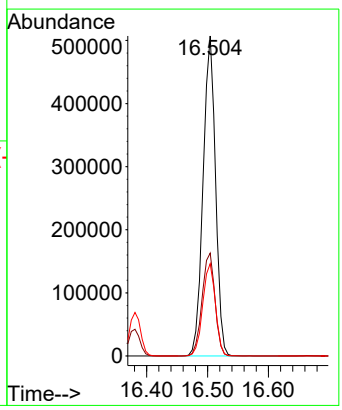


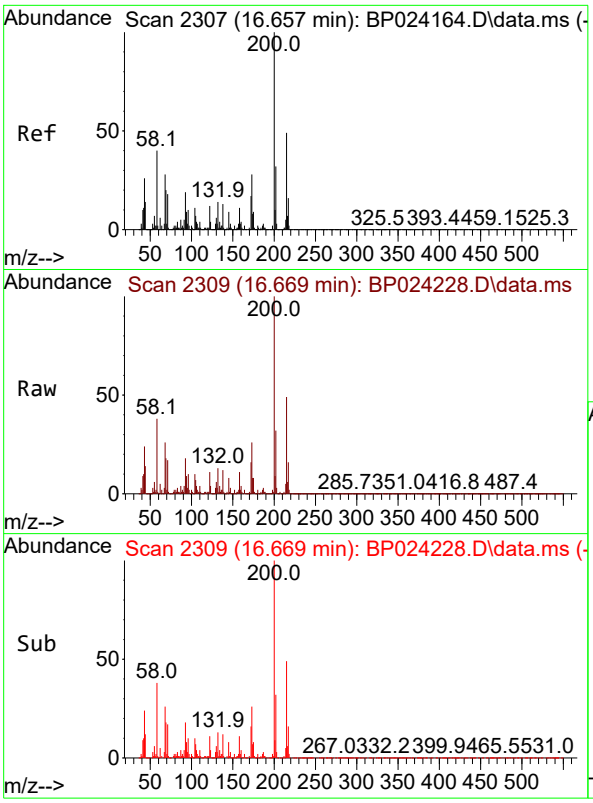




#68
Hexachlorobenzene
Concen: 40.119 ng
RT: 16.504 min Scan# 2281
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:284 Resp: 719481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.2 | 25.4 | 38.2 |
| 249 | 28.8 | 23.5 | 35.3 |



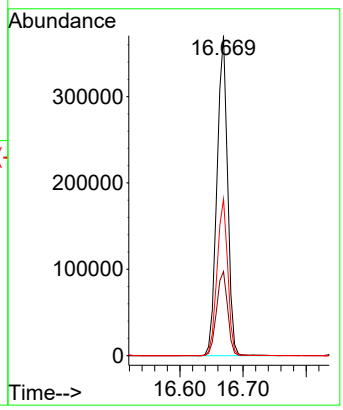


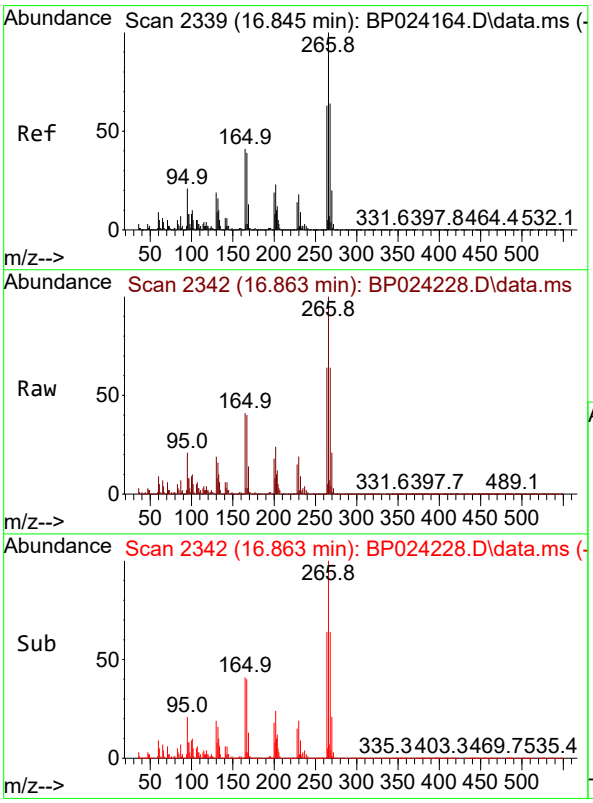

#69
Atrazine
Concen: 42.859 ng
RT: 16.669 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:200 Resp: 433531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.3 | 7.6 | 47.6 |
| 215 | 49.0 | 29.0 | 69.0 |

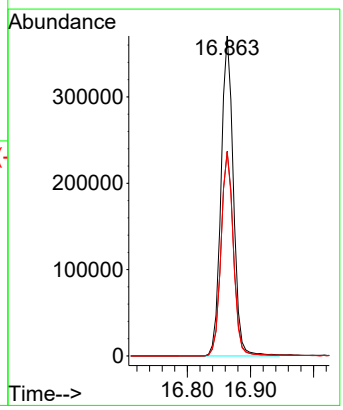


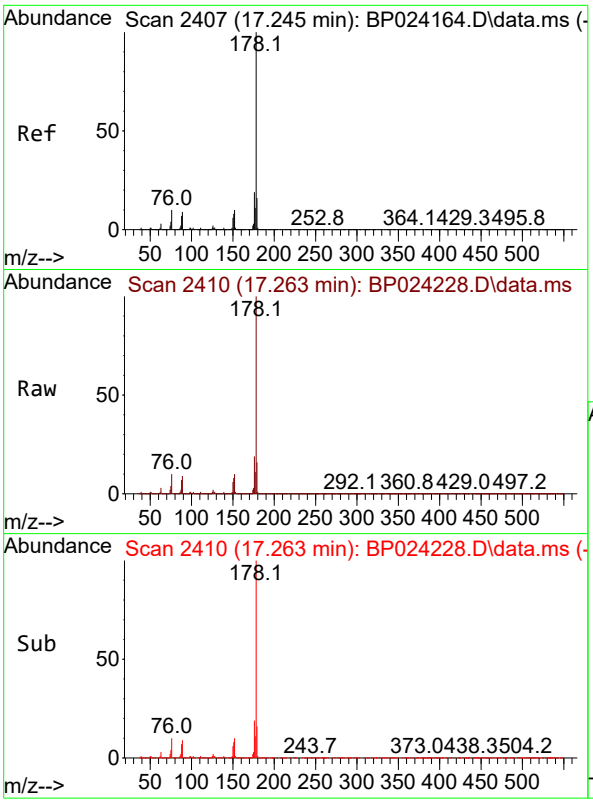




#70
Pentachlorophenol
Concen: 43.456 ng
RT: 16.863 min Scan# 2342
Delta R.T. 0.018 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:266 Resp: 503982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.0 | 51.3 | 76.9 |
| 264 | 63.8 | 50.6 | 76.0 |



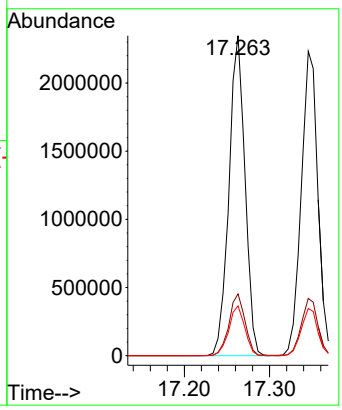


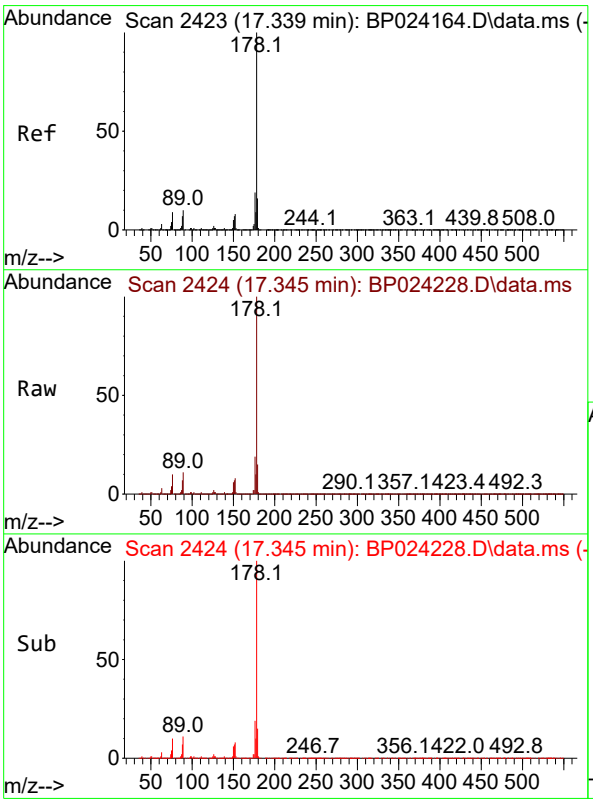

#71
Phenanthrene
Concen: 40.902 ng
RT: 17.263 min Scan# 24
Delta R.T. 0.018 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:178 Resp: 3083668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.6 | 23.4 |
| 179 | 15.6 | 12.5 | 18.7 |

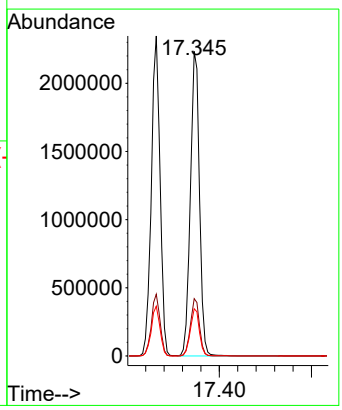


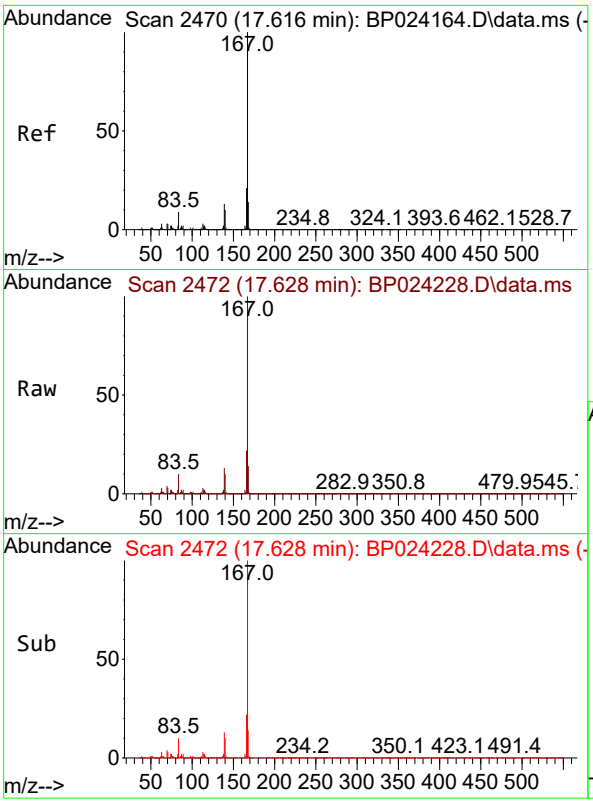




#72
Anthracene
Concen: 41.398 ng
RT: 17.345 min Scan# 2424
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:178 Resp: 3039833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.2 | 22.8 |
| 179 | 15.5 | 12.6 | 18.8 |



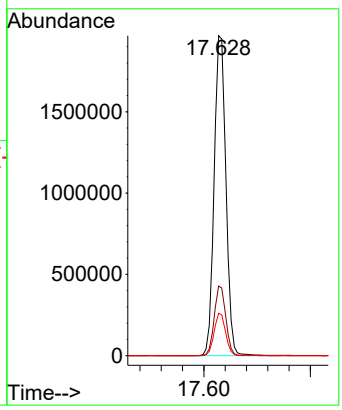


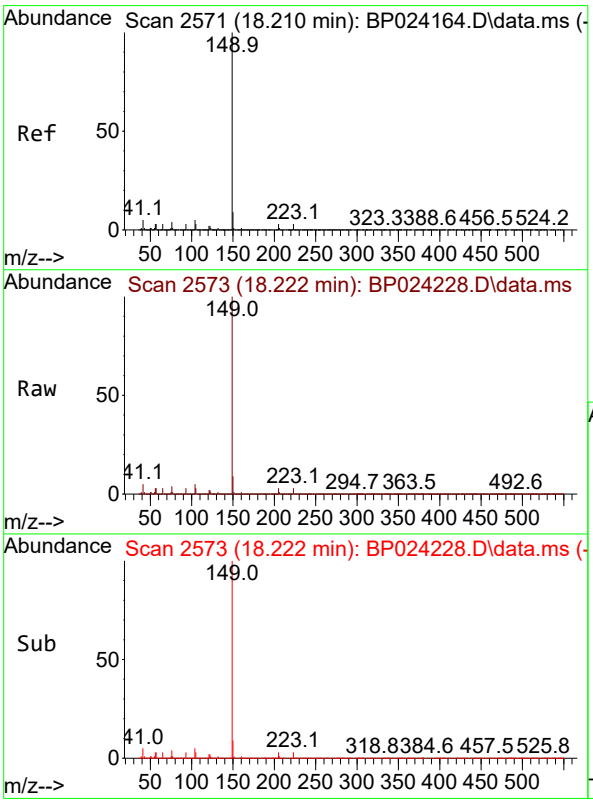

#73
Carbazole
Concen: 42.549 ng
RT: 17.628 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:167 Resp: 3013012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.8 | 17.1 | 25.7 |
| 139 | 13.3 | 10.2 | 15.4 |

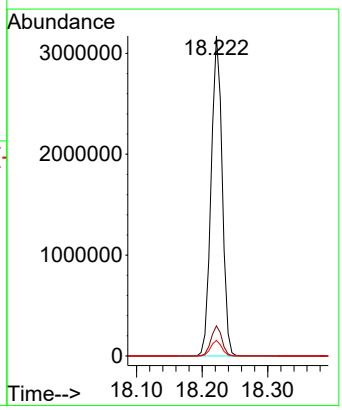


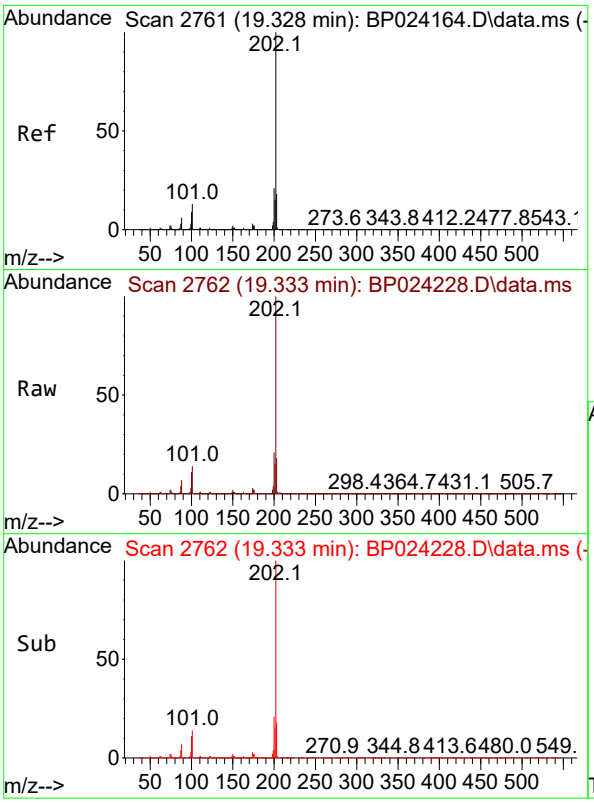




#74
Di-n-butylphthalate
Concen: 44.147 ng
RT: 18.222 min Scan# 2573
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:149 Resp: 3711096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.4 | 7.6 | 11.4 |
| 104 | 4.8 | 3.9 | 5.9 |



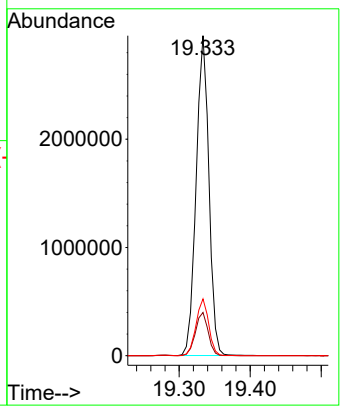


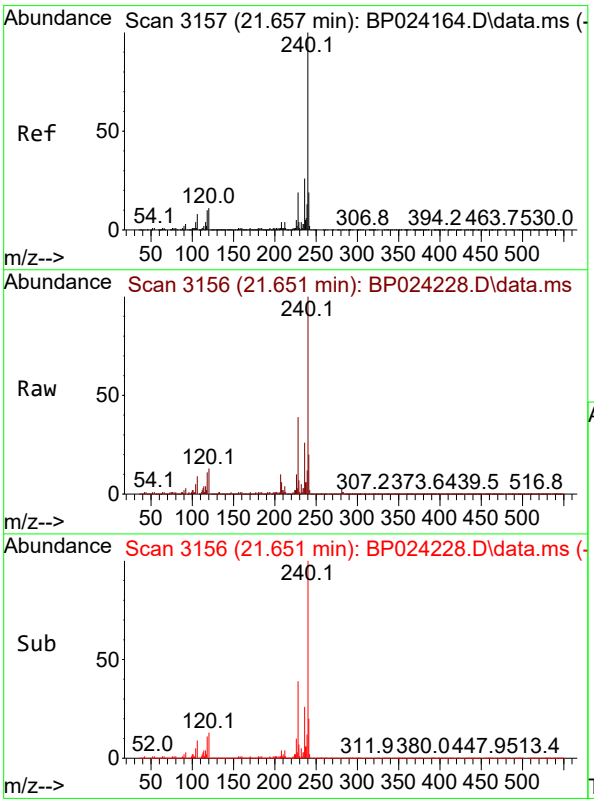

#75
Fluoranthene
Concen: 42.341 ng
RT: 19.333 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:202 Resp: 3697085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.5 | 0.0 | 32.5 |
| 203 | 17.7 | 0.0 | 37.9 |

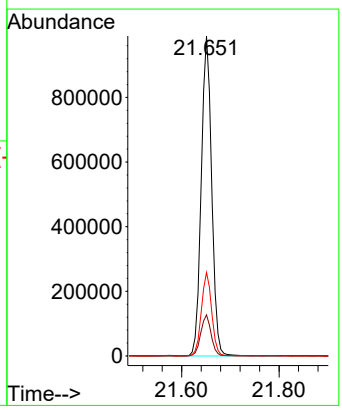


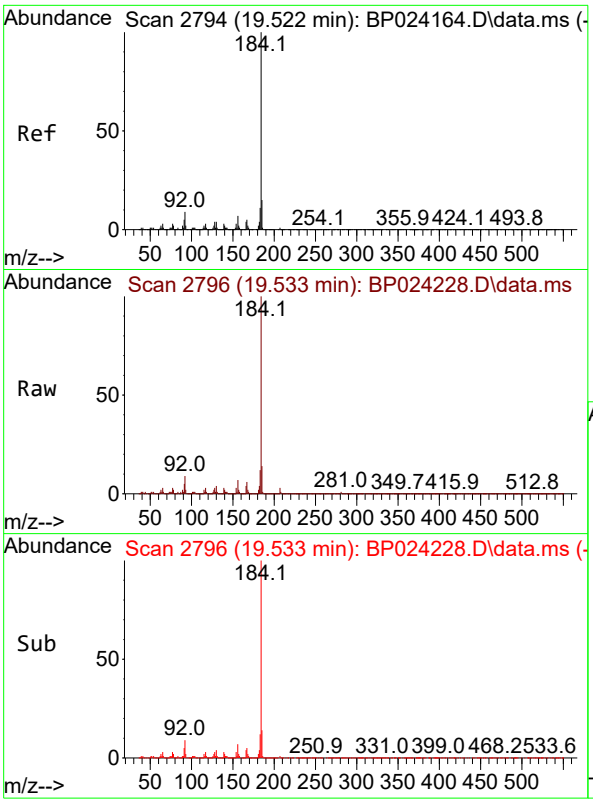




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.651 min Scan# 3156
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:240 Resp: 1470276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.9 | 9.2 | 13.8 |
| 236 | 26.1 | 20.4 | 30.6 |



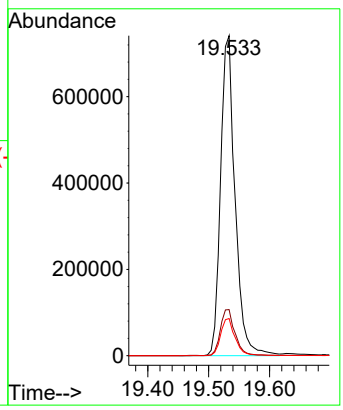


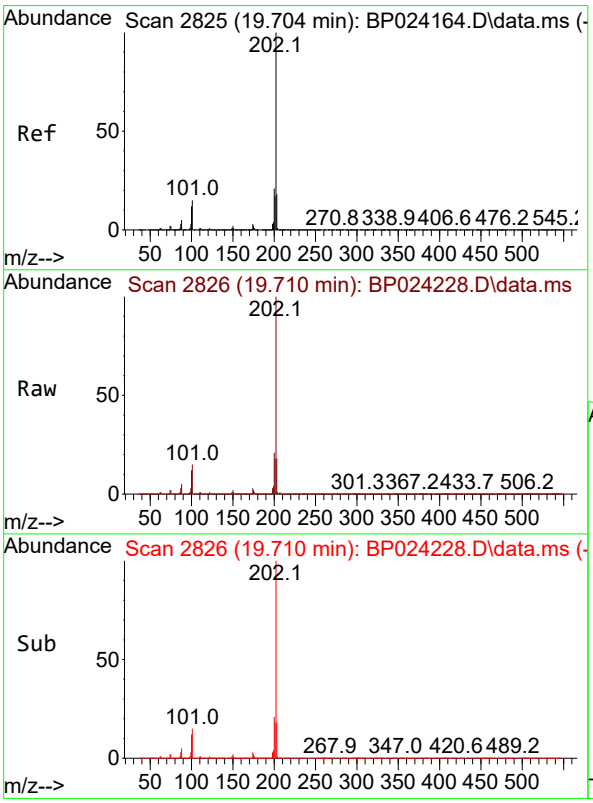

#77
Benzidine
Concen: 76.030 ng
RT: 19.533 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:184 Resp: 1222191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.4 | 11.8 | 17.6 |
| 183 | 11.6 | 9.1 | 13.7 |

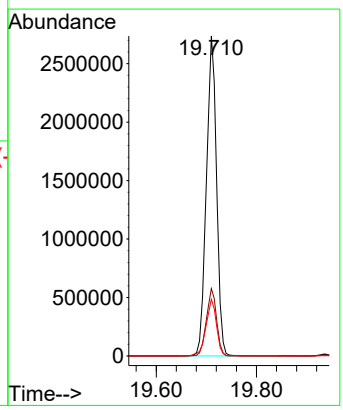


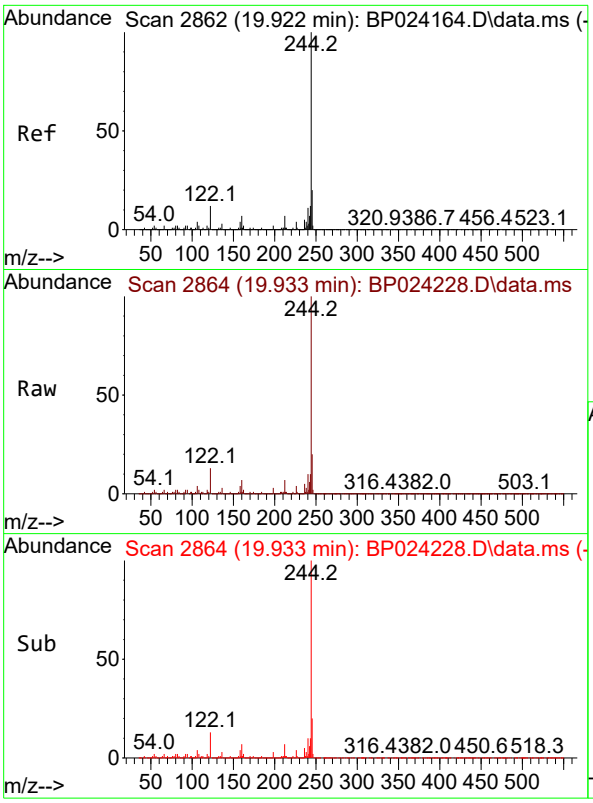




#78
Pyrene
Concen: 42.301 ng
RT: 19.710 min Scan# 2826
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:202 Resp: 3866558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.0 | 17.1 | 25.7 |
| 203 | 17.7 | 14.2 | 21.4 |



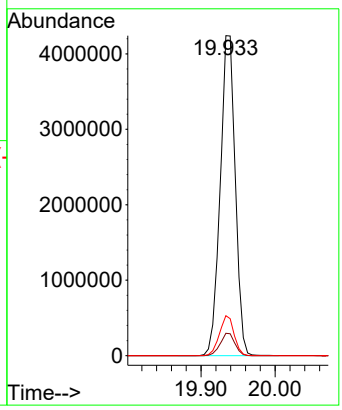


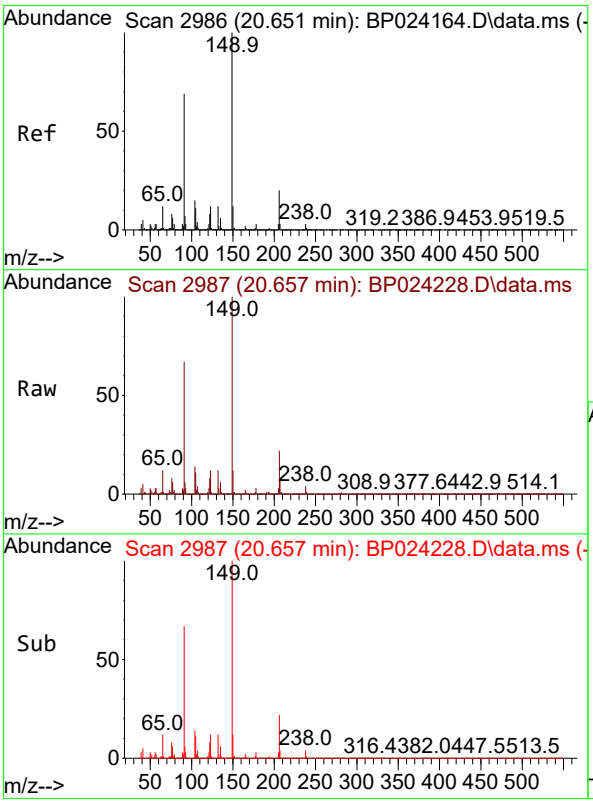

#79
Terphenyl-d14
Concen: 84.151 ng
RT: 19.933 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:244 Resp: 5993823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.7 | 8.5 |
| 122 | 12.5 | 9.6 | 14.4 |

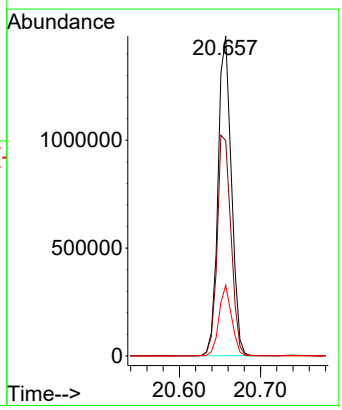


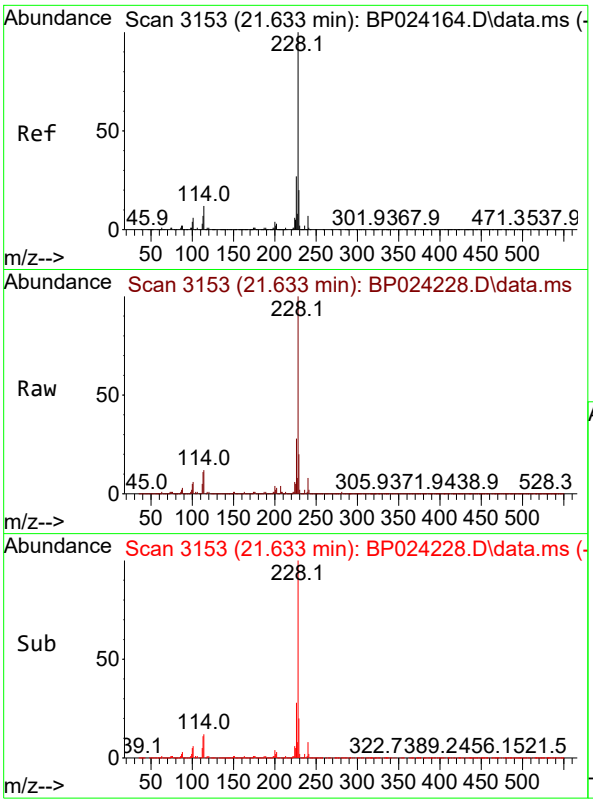




#80
Butylbenzylphthalate
Concen: 45.164 ng
RT: 20.657 min Scan# 2987
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:149 Resp: 1702434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 67.3 | 55.3 | 82.9 |
| 206 | 22.1 | 16.1 | 24.1 |



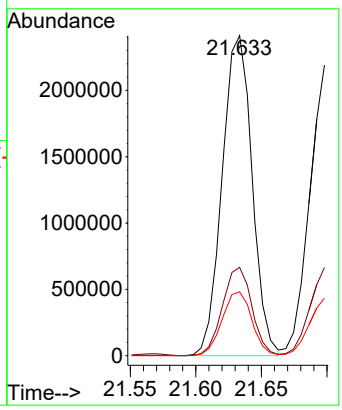


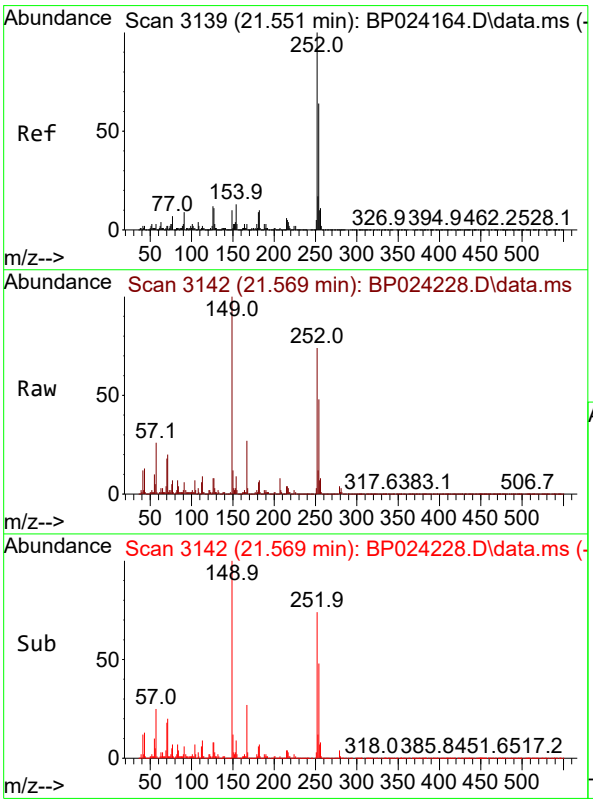

#81
Benzo(a)anthracene
Concen: 41.922 ng
RT: 21.633 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 3832104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.6 | 21.8 | 32.8 |
| 229 | 20.0 | 16.0 | 24.0 |

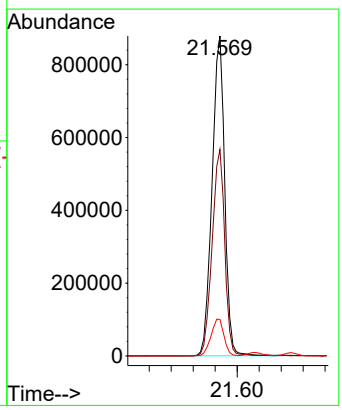


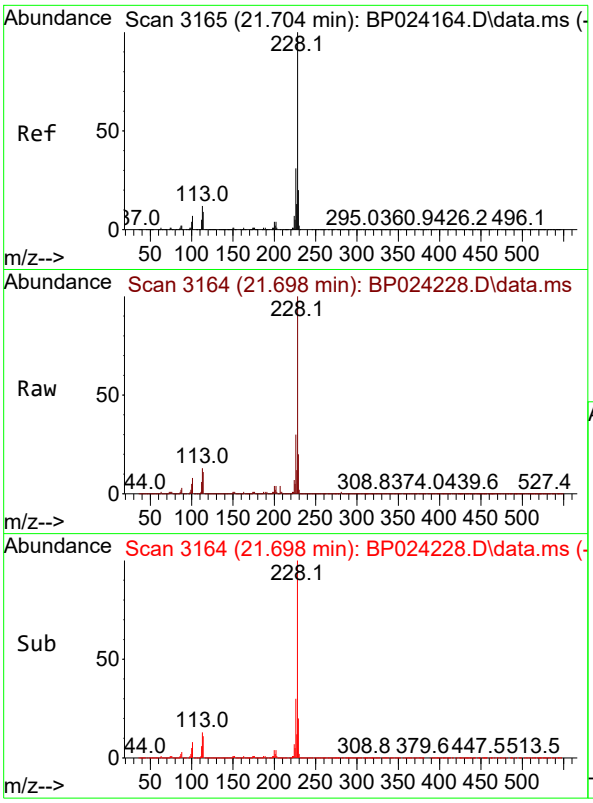




#82
3,3'-Dichlorobenzidine
Concen: 45.751 ng
RT: 21.569 min Scan# 3142
Delta R.T. 0.018 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:252 Resp: 1401662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.6 | 51.4 | 77.2 |
| 126 | 11.4 | 9.3 | 13.9 |



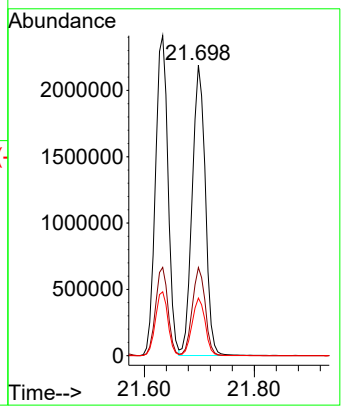


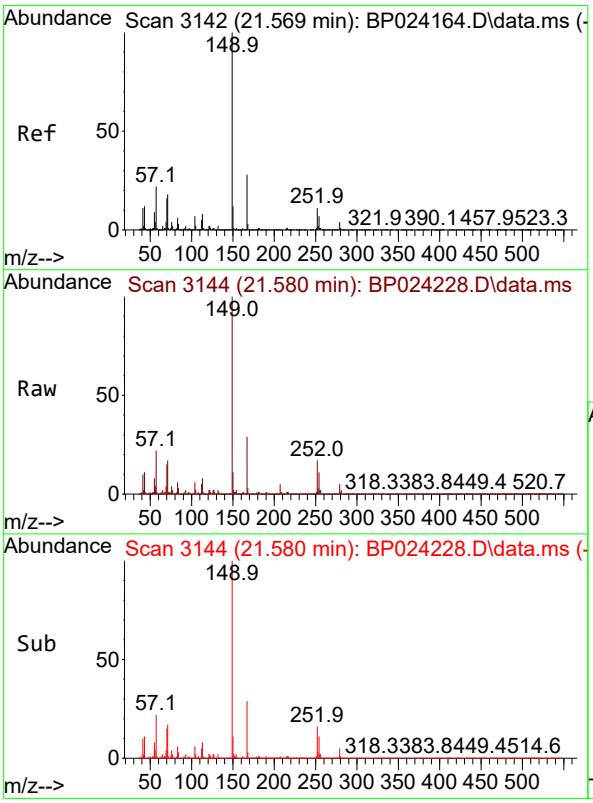

#83
Chrysene
Concen: 41.358 ng
RT: 21.698 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 3634359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 24.5 | 36.7 |
| 229 | 19.8 | 16.2 | 24.2 |

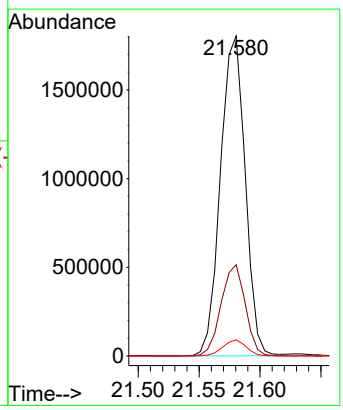


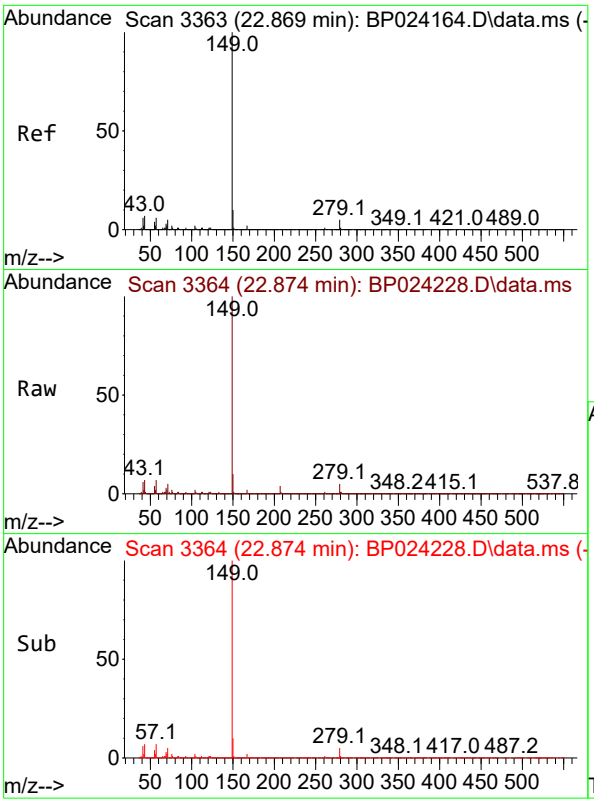




#84
Bis(2-ethylhexyl)phthalate
Concen: 44.781 ng
RT: 21.580 min Scan# 3144
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:149 Resp: 2547023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.5 | 22.5 | 33.7 |
| 279 | 5.1 | 3.6 | 5.4 |



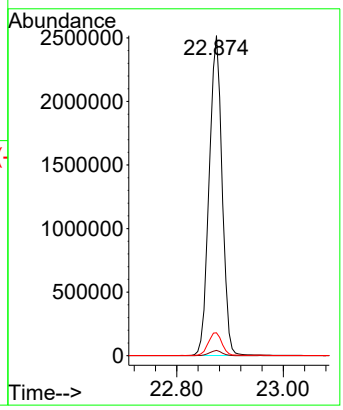


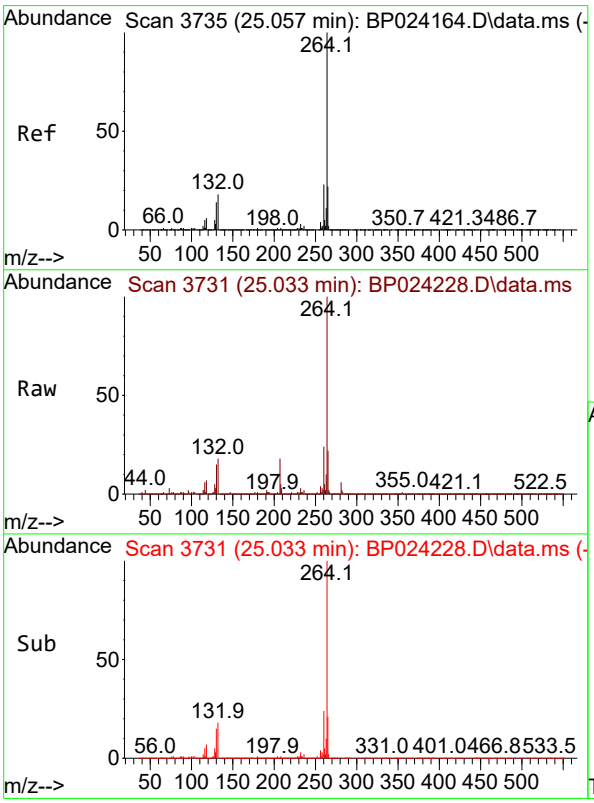

#85
Di-n-octyl phthalate
Concen: 46.485 ng
RT: 22.874 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:149 Resp: 4236142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 7.7 | 5.8 | 8.8 |

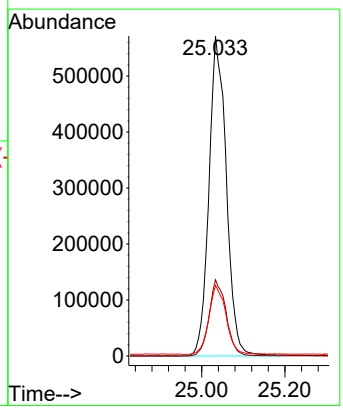


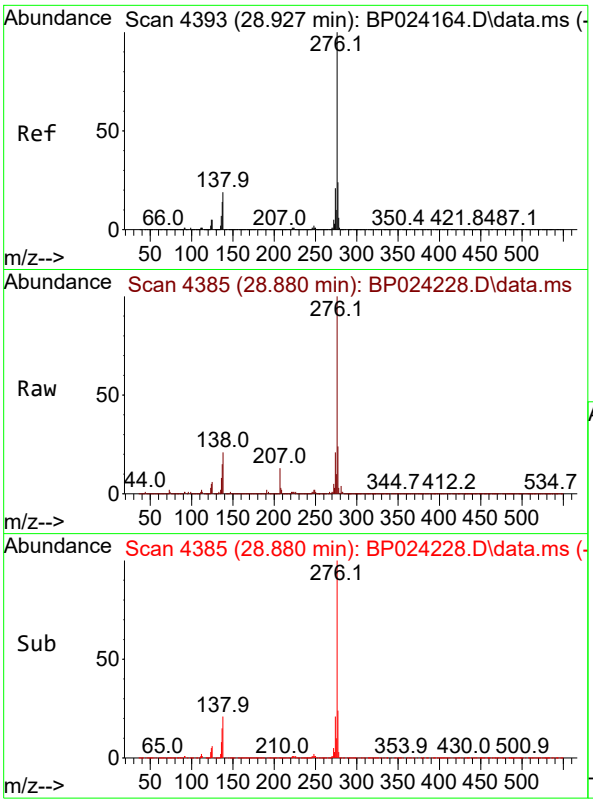




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.033 min Scan# 3731
Delta R.T. -0.024 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:264 Resp: 1654294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 18.5 | 27.7 |
| 265 | 22.0 | 17.7 | 26.5 |



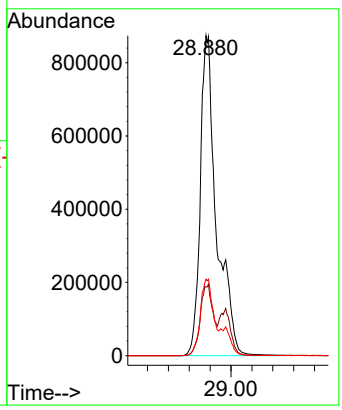


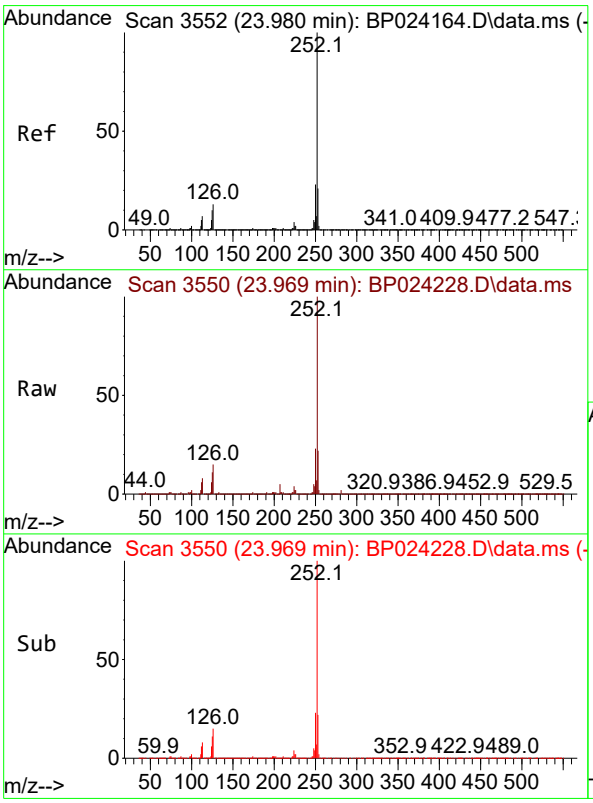

#87
Indeno(1,2,3-cd)pyrene
Concen: 41.000 ng m
RT: 28.880 min Scan# 4
Delta R.T. -0.047 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:276 Resp: 4733755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 17.6 | 13.7 | 20.5 |
| 277 | 19.2 | 20.2 | 30.2# |

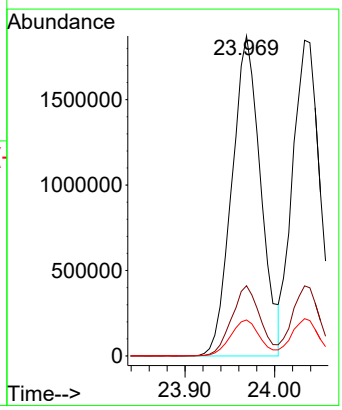


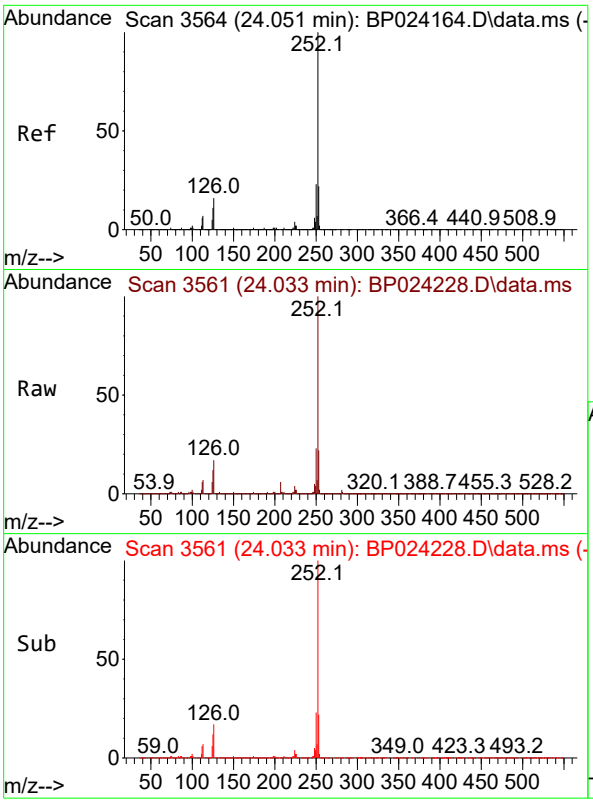




#88
Benzo(b)fluoranthene
Concen: 41.876 ng
RT: 23.969 min Scan# 3550
Delta R.T. -0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:252 Resp: 4176870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.2 | 25.8 |
| 125 | 11.3 | 8.2 | 12.4 |



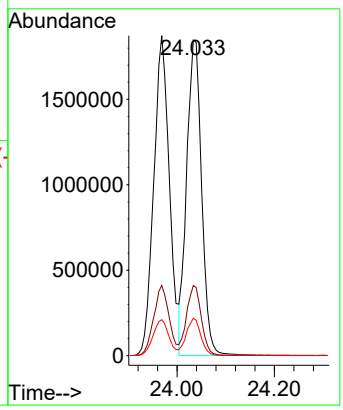


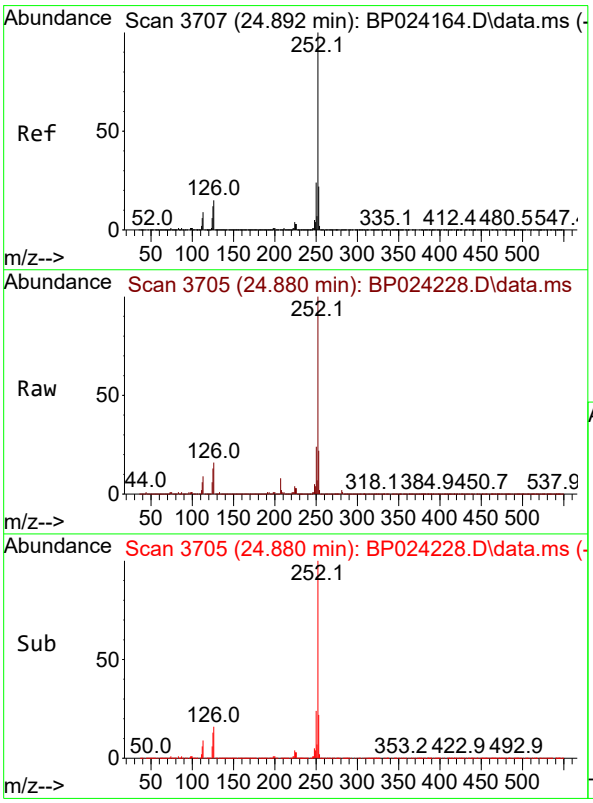

#89
Benzo(k)fluoranthene
Concen: 40.442 ng
RT: 24.033 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:252 Resp: 3945832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.7 | 26.5 |
| 125 | 11.8 | 9.1 | 13.7 |

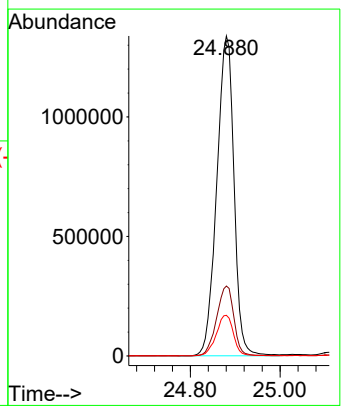


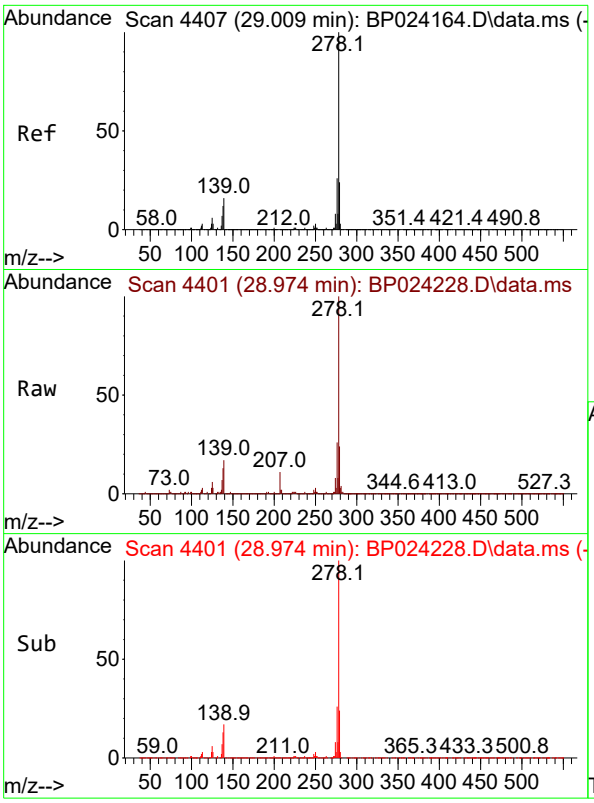




#90
Benzo(a)pyrene
Concen: 41.248 ng
RT: 24.880 min Scan# 3705
Delta R.T. -0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:252 Resp: 3577625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.4 | 26.0 |
| 125 | 12.7 | 9.6 | 14.4 |



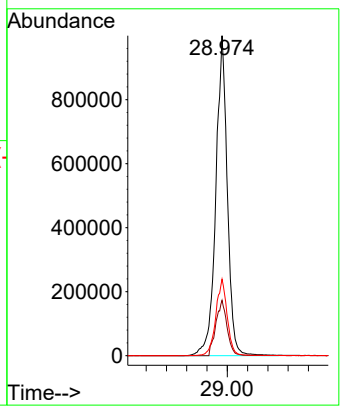


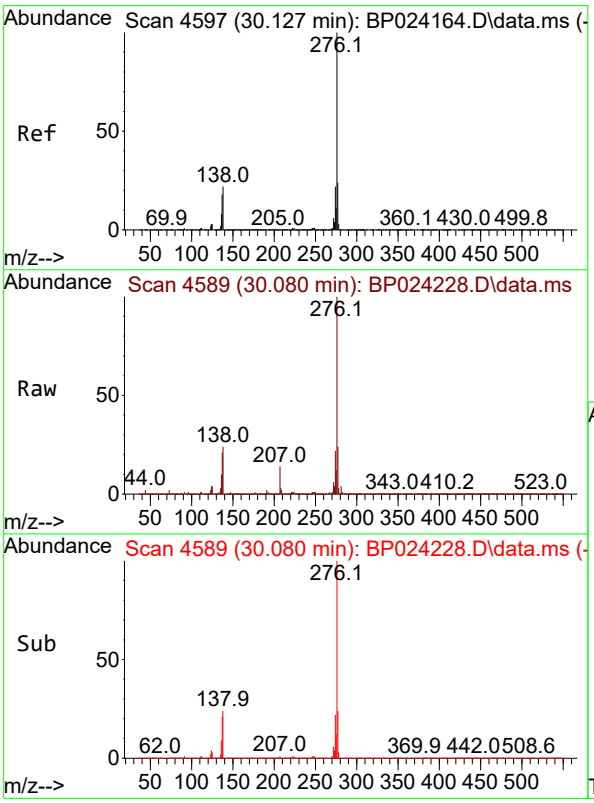

#91
Dibenzo(a,h)anthracene
Concen: 41.000 ng
RT: 28.974 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:278 Resp: 3938270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.3 | 13.0 | 19.4 |
| 279 | 23.9 | 18.8 | 28.2 |

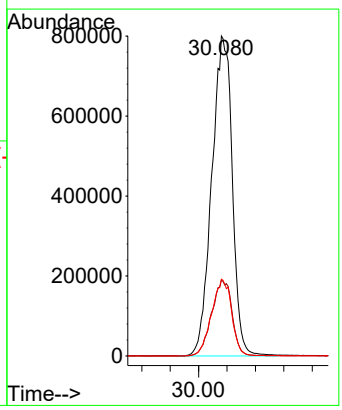



#92
Benzo(g,h,i)perylene
Concen: 41.010 ng
RT: 30.080 min Scan# 4589
Delta R.T. -0.047 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:276 Resp: 4004395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 19.2 | 28.8 |
| 138 | 24.0 | 17.4 | 26.2 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024228.D
Acq On : 09 Apr 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Apr 09 12:20:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 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 | 77 | 0.00 |
| 2 | | 1,4-Dioxane | 0.497 | 0.516 | -3.8 | 84 | 0.00 |
| 3 | | Pyridine | 1.358 | 1.429 | -5.2 | 83 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.454 | 0.462 | -1.8 | 82 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.253 | 1.307 | -4.3 | 83 | 0.00 |
| 6 | | Aniline | 1.527 | 1.597 | -4.6 | 82 | 0.00 |
| 7 | S | Phenol-d6 | 1.675 | 1.739 | -3.8 | 82 | 0.00 |
| 8 | | 2-Chlorophenol | 1.353 | 1.387 | -2.5 | 81 | 0.00 |
| 9 | | Benzaldehyde | 0.809 | 0.769 | 4.9 | 76 | 0.00 |
| 10 | C | Phenol | 1.691 | 1.750 | -3.5 | 82 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.334 | 1.368 | -2.5 | 82 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.459 | 1.483 | -1.6 | 82 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.490 | 1.504 | -0.9 | 82 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.430 | 1.430 | 0.0 | 81 | 0.00 |
| 15 | | Benzyl Alcohol | 1.061 | 1.115 | -5.1 | 82 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.361 | 1.437 | -5.6 | 85 | -0.01 |
| 17 | | 2-Methylphenol | 1.061 | 1.121 | -5.7 | 83 | 0.00 |
| 18 | | Hexachloroethane | 0.529 | 0.541 | -2.3 | 82 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.972 | 1.033 | -6.3 | 82 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.457 | 1.527 | -4.8 | 82 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 76 | 0.00 |
| 22 | | Acetophenone | 0.506 | 0.525 | -3.8 | 81 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.354 | 0.378 | -6.8 | 82 | 0.00 |
| 24 | | Nitrobenzene | 0.350 | 0.372 | -6.3 | 83 | 0.00 |
| 25 | | Isophorone | 0.608 | 0.657 | -8.1 | 83 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.167 | 0.185 | -10.8 | 82 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.215 | 0.225 | -4.7 | 80 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.427 | 0.449 | -5.2 | 82 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.291 | 0.311 | -6.9 | 80 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.321 | 0.325 | -1.2 | 79 | 0.00 |
| 31 | | Naphthalene | 1.060 | 1.100 | -3.8 | 81 | 0.00 |
| 32 | | Benzoic acid | 0.209 | 0.255 | -22.0 | 89 | -0.01 |
| 33 | | 4-Chloroaniline | 0.379 | 0.401 | -5.8 | 81 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.185 | 0.185 | 0.0 | 79 | 0.00 |
| 35 | | Caprolactam | 0.095 | 0.110 | -15.8 | 86 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.313 | 0.341 | -8.9 | 83 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.716 | 0.745 | -4.1 | 81 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.697 | 0.719 | -3.2 | 81 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 77 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.578 | 0.583 | -0.9 | 80 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.208 | 0.215 | -3.4 | 78 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.252 | 0.271 | -7.5 | 82 | 0.01 |
| 43 | C | 2,4,6-Trichlorophenol | 0.367 | 0.387 | -5.4 | 80 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.403 | 0.426 | -5.7 | 80 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.356 | 1.365 | -0.7 | 79 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.503 | 1.538 | -2.3 | 81 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.130 | 1.141 | -1.0 | 80 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024228.D
Acq On : 09 Apr 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Apr 09 12:20:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 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 | 0.289 | 0.329 | -13.8 | 86 | 0.00 |
| 49 | | Acenaphthylene | 1.710 | 1.788 | -4.6 | 82 | 0.00 |
| 50 | | Dimethylphthalate | 1.399 | 1.466 | -4.8 | 83 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.294 | 0.319 | -8.5 | 83 | 0.00 |
| 52 | C | Acenaphthene | 1.093 | 1.131 | -3.5 | 82 | 0.00 |
| 53 | | 3-Nitroaniline | 0.318 | 0.355 | -11.6 | 84 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.156 | 0.179 | -14.7 | 86 | 0.00 |
| 55 | | Dibenzofuran | 1.770 | 1.819 | -2.8 | 81 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.266 | 0.308 | -15.8 | 85 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.389 | 0.439 | -12.9 | 85 | 0.00 |
| 58 | | Fluorene | 1.379 | 1.420 | -3.0 | 81 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.356 | 0.377 | -5.9 | 81 | 0.00 |
| 60 | | Diethylphthalate | 1.394 | 1.496 | -7.3 | 84 | 0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 0.676 | 0.681 | -0.7 | 79 | 0.01 |
| 62 | | 4-Nitroaniline | 0.334 | 0.374 | -12.0 | 83 | 0.00 |
| 63 | | Azobenzene | 1.314 | 1.424 | -8.4 | 84 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 80 | 0.02 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.119 | 0.126 | -5.9 | 84 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.607 | 0.626 | -3.1 | 84 | 0.01 |
| 67 | | 4-Bromophenyl-phenylether | 0.220 | 0.220 | 0.0 | 81 | 0.00 |
| 68 | | Hexachlorobenzene | 0.260 | 0.261 | -0.4 | 82 | 0.01 |
| 69 | | Atrazine | 0.147 | 0.157 | -6.8 | 93 | 0.01 |
| 70 | C | Pentachlorophenol | 0.168 | 0.183 | -8.9 | 83 | 0.02 |
| 71 | | Phenanthrene | 1.093 | 1.117 | -2.2 | 83 | 0.02 |
| 72 | | Anthracene | 1.064 | 1.101 | -3.5 | 83 | 0.00 |
| 73 | | Carbazole | 1.026 | 1.092 | -6.4 | 84 | 0.01 |
| 74 | | Di-n-butylphthalate | 1.218 | 1.345 | -10.4 | 86 | 0.01 |
| 75 | C | Fluoranthene | 1.265 | 1.339 | -5.8 | 85 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 78 | 0.00 |
| 77 | | Benzidine | 0.219 | 0.416 | -90.0# | 126 | 0.01 |
| 78 | | Pyrene | 1.243 | 1.315 | -5.8 | 85 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.969 | 1.019 | -5.2 | 84 | 0.01 |
| 80 | | Butylbenzylphthalate | 0.513 | 0.579 | -12.9 | 86 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.243 | 1.303 | -4.8 | 84 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.417 | 0.477 | -14.4 | 87 | 0.02 |
| 83 | | Chrysene | 1.195 | 1.236 | -3.4 | 83 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.774 | 0.866 | -11.9 | 85 | 0.01 |
| 85 | c | Di-n-octyl phthalate | 1.240 | 1.441 | -16.2 | 88 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 81 | -0.02 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.396 | 1.431 | -2.5 | 85 | -0.05 |
| 88 | | Benzo(b)fluoranthene | 1.206 | 1.262 | -4.6 | 86 | -0.01 |
| 89 | | Benzo(k)fluoranthene | 1.180 | 1.193 | -1.1 | 85 | -0.02 |
| 90 | C | Benzo(a)pyrene | 1.049 | 1.081 | -3.1 | 85 | -0.01 |
| 91 | | Dibenzo(a,h)anthracene | 1.161 | 1.190 | -2.5 | 85 | -0.04 |
| 92 | | Benzo(g,h,i)perylene | 1.180 | 1.210 | -2.5 | 85 | -0.05 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024228.D
Acq On : 09 Apr 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Apr 09 12:20:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 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\BP040925\
Data File : BP024228.D
Acq On : 09 Apr 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Apr 09 12:20:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 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 | 77 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 41.527 | -3.8 | 84 | 0.00 |
| 3 | | Pyridine | 40.000 | 42.089 | -5.2 | 83 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 40.754 | -1.9 | 82 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 83.438 | -4.3 | 83 | 0.00 |
| 6 | | Aniline | 40.000 | 41.835 | -4.6 | 82 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 83.042 | -3.8 | 82 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 40.993 | -2.5 | 81 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 38.053 | 4.9 | 76 | 0.00 |
| 10 | C | Phenol | 40.000 | 41.378 | -3.4 | 82 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 41.038 | -2.6 | 82 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.649 | -1.6 | 82 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.368 | -0.9 | 82 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.998 | 0.0 | 81 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 42.039 | -5.1 | 82 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 42.222 | -5.6 | 85 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 42.275 | -5.7 | 83 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 40.961 | -2.4 | 82 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 42.523 | -6.3 | 82 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.913 | -4.8 | 82 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 76 | 0.00 |
| 22 | | Acetophenone | 40.000 | 41.530 | -3.8 | 81 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 85.391 | -6.7 | 82 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 42.572 | -6.4 | 83 | 0.00 |
| 25 | | Isophorone | 40.000 | 43.243 | -8.1 | 83 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 44.182 | -10.5 | 82 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.973 | -4.9 | 80 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 42.043 | -5.1 | 82 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.809 | -7.0 | 80 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.549 | -1.4 | 79 | 0.00 |
| 31 | | Naphthalene | 40.000 | 41.488 | -3.7 | 81 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 48.635 | -21.6 | 89 | -0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 42.261 | -5.7 | 81 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.101 | -0.3 | 79 | 0.00 |
| 35 | | Caprolactam | 40.000 | 46.011 | -15.0 | 86 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 43.485 | -8.7 | 83 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.629 | -4.1 | 81 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 41.312 | -3.3 | 81 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 77 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.347 | -0.9 | 80 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 41.311 | -3.3 | 78 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 86.150 | -7.7 | 82 | 0.01 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 42.177 | -5.4 | 80 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 42.299 | -5.7 | 80 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 80.493 | -0.6 | 79 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 40.942 | -2.4 | 81 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 40.362 | -0.9 | 80 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024228.D
Acq On : 09 Apr 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Apr 09 12:20:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 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 | 45.470 | -13.7 | 86 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 41.802 | -4.5 | 82 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 41.901 | -4.8 | 83 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 43.271 | -8.2 | 83 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 41.411 | -3.5 | 82 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 44.593 | -11.5 | 84 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 45.859 | -14.6 | 86 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 41.102 | -2.8 | 81 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 46.371 | -15.9 | 85 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 45.191 | -13.0 | 85 | 0.00 |
| 58 | | Fluorene | 40.000 | 41.183 | -3.0 | 81 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 42.344 | -5.9 | 81 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 42.942 | -7.4 | 84 | 0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 40.284 | -0.7 | 79 | 0.01 |
| 62 | | 4-Nitroaniline | 40.000 | 44.847 | -12.1 | 83 | 0.00 |
| 63 | | Azobenzene | 40.000 | 43.353 | -8.4 | 84 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 80 | 0.02 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 42.395 | -6.0 | 84 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 41.235 | -3.1 | 84 | 0.01 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 40.028 | -0.1 | 81 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 40.119 | -0.3 | 82 | 0.01 |
| 69 | | Atrazine | 40.000 | 42.859 | -7.1 | 93 | 0.01 |
| 70 | C | Pentachlorophenol | 40.000 | 43.456 | -8.6 | 83 | 0.02 |
| 71 | | Phenanthrene | 40.000 | 40.902 | -2.3 | 83 | 0.02 |
| 72 | | Anthracene | 40.000 | 41.398 | -3.5 | 83 | 0.00 |
| 73 | | Carbazole | 40.000 | 42.549 | -6.4 | 84 | 0.01 |
| 74 | | Di-n-butylphthalate | 40.000 | 44.147 | -10.4 | 86 | 0.01 |
| 75 | C | Fluoranthene | 40.000 | 42.341 | -5.9 | 85 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 78 | 0.00 |
| 77 | | Benzidine | 40.000 | 76.030 | -90.1# | 126 | 0.01 |
| 78 | | Pyrene | 40.000 | 42.301 | -5.8 | 85 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 84.151 | -5.2 | 84 | 0.01 |
| 80 | | Butylbenzylphthalate | 40.000 | 45.164 | -12.9 | 86 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 41.922 | -4.8 | 84 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 45.751 | -14.4 | 87 | 0.02 |
| 83 | | Chrysene | 40.000 | 41.358 | -3.4 | 83 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 44.781 | -12.0 | 85 | 0.01 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 46.485 | -16.2 | 88 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 81 | -0.02 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.000 | -2.5 | 85 | -0.05 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 41.876 | -4.7 | 86 | -0.01 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 40.442 | -1.1 | 85 | -0.02 |
| 90 | C | Benzo(a)pyrene | 40.000 | 41.248 | -3.1 | 85 | -0.01 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 41.000 | -2.5 | 85 | -0.04 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 41.010 | -2.5 | 85 | -0.05 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024228.D
Acq On : 09 Apr 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Apr 09 12:20:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 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: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG No.: Q1730

Instrument ID: BNA_P Calibration Date/Time: 04/09/2025 20:24

Lab File ID: BP024243.D Init. Calib. Date(s): 03/12/2025 03/12/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 16:17 21:02

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Fluorophenol | 1.253 | 1.314 | | 4.9 | 50.0 |
| Phenol-d6 | 1.675 | 1.750 | | 4.5 | 50.0 |
| Nitrobenzene-d5 | 0.354 | 0.369 | | 4.2 | 50.0 |
| Naphthalene | 1.060 | 1.091 | | 2.9 | 50.0 |
| 2-Methylnaphthalene | 0.716 | 0.753 | | 5.2 | 50.0 |
| 2-Fluorobiphenyl | 1.356 | 1.326 | | -2.2 | 50.0 |
| Acenaphthylene | 1.710 | 1.796 | | 5.0 | 50.0 |
| Acenaphthene | 1.093 | 1.121 | | 2.6 | 50.0 |
| Fluorene | 1.379 | 1.424 | | 3.3 | 50.0 |
| 2,4,6-Tribromophenol | 0.252 | 0.290 | | 15.1 | 50.0 |
| Phenanthrene | 1.093 | 1.106 | | 1.2 | 50.0 |
| Anthracene | 1.064 | 1.103 | | 3.7 | 50.0 |
| Fluoranthene | 1.265 | 1.324 | | 4.7 | 50.0 |
| Pyrene | 1.243 | 1.354 | | 8.9 | 50.0 |
| Terphenyl-d14 | 0.969 | 1.033 | | 6.6 | 50.0 |
| Benzo(a)anthracene | 1.243 | 1.312 | | 5.6 | 50.0 |
| Chrysene | 1.195 | 1.232 | | 3.1 | 50.0 |
| Benzo(b)fluoranthene | 1.206 | 1.190 | | -1.3 | 50.0 |
| Benzo(k)fluoranthene | 1.180 | 1.144 | | -3.1 | 50.0 |
| Benzo(a)pyrene | 1.049 | 1.077 | | 2.7 | 50.0 |
| Indeno(1,2,3-cd)pyrene | 1.396 | 1.453 | | 4.1 | 50.0 |
| Dibenzo(a,h)anthracene | 1.161 | 1.199 | | 3.3 | 50.0 |
| Benzo(g,h,i)perylene | 1.180 | 1.217 | | 3.1 | 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\BP040925\
Data File : BP024243.D
Acq On : 09 Apr 2025 20:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Quant Time: Apr 10 01:01:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.740 | 152 | 287084 | 20.000 | ng | -0.03 |
| 21) Naphthalene-d8 | 10.522 | 136 | 1167629 | 20.000 | ng | -0.03 |
| 39) Acenaphthene-d10 | 14.381 | 164 | 745990 | 20.000 | ng | -0.02 |
| 64) Phenanthrene-d10 | 17.181 | 188 | 1461391 | 20.000 | ng | -0.02 |
| 76) Chrysene-d12 | 21.627 | 240 | 1456577 | 20.000 | ng | -0.03 |
| 86) Perylene-d12 | 24.980 | 264 | 1774706 | 20.000 | ng | -0.08 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.358 | 112 | 1509234 | 83.918 | ng | -0.02 |
| 7) Phenol-d6 | 6.928 | 99 | 2009634 | 83.561 | ng | -0.02 |
| 23) Nitrobenzene-d5 | 8.893 | 82 | 1722757 | 83.245 | ng | -0.03 |
| 42) 2,4,6-Tribromophenol | 15.898 | 330 | 865387 | 92.095 | ng | -0.02 |
| 45) 2-Fluorobiphenyl | 12.993 | 172 | 3956663 | 78.208 | ng | -0.02 |
| 79) Terphenyl-d14 | 19.898 | 244 | 6018426 | 85.292 | ng | -0.02 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.305 | 88 | 290918 | 40.808 | ng | 98 |
| 3) Pyridine | 3.699 | 79 | 790972 | 40.586 | ng | 97 |
| 4) n-Nitrosodimethylamine | 3.605 | 42 | 261554 | 40.177 | ng | 100 |
| 6) Aniline | 7.081 | 93 | 911265 | 41.588 | ng | 98 |
| 8) 2-Chlorophenol | 7.316 | 128 | 807020 | 41.543 | ng | 99 |
| 9) Benzaldehyde | 6.893 | 77 | 520280 | 44.828 | ng | 98 |
| 10) Phenol | 6.952 | 94 | 1005438 | 41.412 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 7.175 | 93 | 764420 | 39.926 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 7.634 | 146 | 855384 | 40.832 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 7.775 | 146 | 861602 | 40.282 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 8.093 | 146 | 828820 | 40.380 | ng | 99 |
| 15) Benzyl Alcohol | 7.981 | 79 | 665865 | 43.732 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.269 | 45 | 790420 | 40.450 | ng | 97 |
| 17) 2-Methylphenol | 8.187 | 107 | 647425 | 42.525 | ng | 99 |
| 18) Hexachloroethane | 8.816 | 117 | 309718 | 40.814 | ng | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.546 | 70 | 586911 | 42.065 | ng | 99 |
| 20) 3+4-Methylphenols | 8.510 | 107 | 902801 | 43.162 | ng | 99 |
| 22) Acetophenone | 8.557 | 105 | 1214940 | 41.156 | ng | 99 |
| 24) Nitrobenzene | 8.934 | 77 | 850529 | 41.661 | ng | 100 |
| 25) Isophorone | 9.457 | 82 | 1548448 | 43.649 | ng | 99 |
| 26) 2-Nitrophenol | 9.640 | 139 | 438933 | 45.010 | ng | 99 |
| 27) 2,4-Dimethylphenol | 9.704 | 122 | 540227 | 43.082 | ng | 98 |
| 28) bis(2-Chloroethoxy)met... | 9.934 | 93 | 1016244 | 40.721 | ng | 100 |
| 29) 2,4-Dichlorophenol | 10.175 | 162 | 738339 | 43.526 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 10.387 | 180 | 759836 | 40.543 | ng | 99 |
| 31) Naphthalene | 10.575 | 128 | 2547078 | 41.152 | ng | 100 |
| 32) Benzoic acid | 9.846 | 122 | 652732 | 53.374 | ng | 97 |
| 33) 4-Chloroaniline | 10.681 | 127 | 965625 | 43.595 | ng | 99 |
| 34) Hexachlorobutadiene | 10.857 | 225 | 438635 | 40.667 | ng | 99 |
| 35) Caprolactam | 11.469 | 113 | 275552 | 49.564 | ng | 98 |
| 36) 4-Chloro-3-methylphenol | 11.810 | 107 | 842270 | 46.027 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.187 | 142 | 1757855 | 42.040 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.404 | 142 | 1710995 | 42.070 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.557 | 216 | 845975 | 39.230 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 12.540 | 237 | 261977 | 33.703 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 12.798 | 196 | 584393 | 42.642 | ng | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024243.D
Acq On : 09 Apr 2025 20:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Quant Time: Apr 10 01:01:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

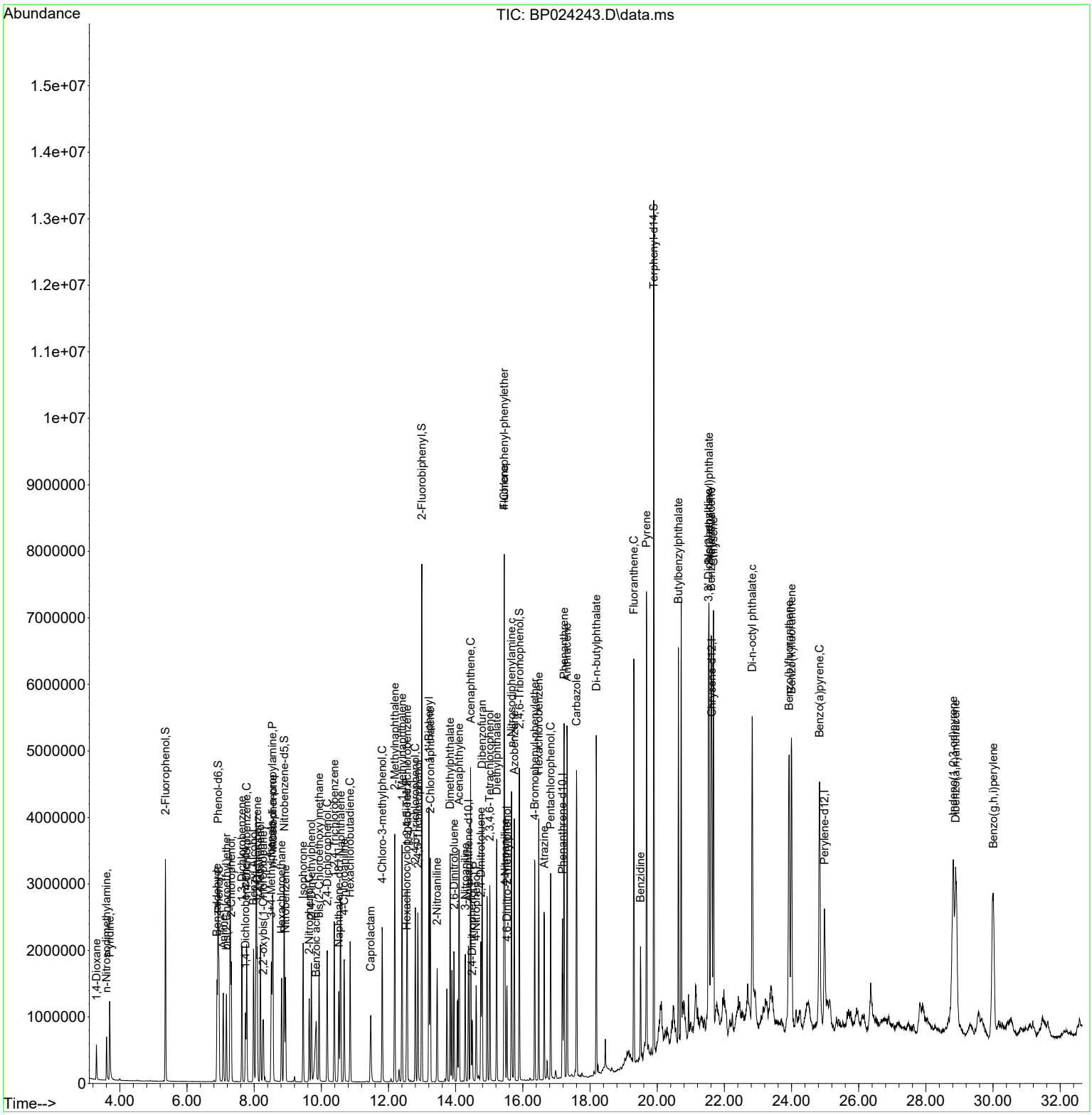
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.875 | 196 | 644222 | 42.864 | ng | 98 |
| 46) 1,1'-Biphenyl | 13.204 | 154 | 2227781 | 39.741 | ng | 100 |
| 47) 2-Chloronaphthalene | 13.245 | 162 | 1696678 | 40.239 | ng | 99 |
| 48) 2-Nitroaniline | 13.445 | 65 | 497715 | 46.151 | ng | 95 |
| 49) Acenaphthylene | 14.098 | 152 | 2680313 | 42.011 | ng | 100 |
| 50) Dimethylphthalate | 13.834 | 163 | 2185393 | 41.867 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.951 | 165 | 474506 | 43.205 | ng | 99 |
| 52) Acenaphthene | 14.445 | 154 | 1672351 | 41.025 | ng | 99 |
| 53) 3-Nitroaniline | 14.287 | 138 | 528847 | 44.583 | ng | 99 |
| 54) 2,4-Dinitrophenol | 14.492 | 184 | 227159 | 39.089 | ng | 97 |
| 55) Dibenzofuran | 14.787 | 168 | 2685626 | 40.673 | ng | 98 |
| 56) 4-Nitrophenol | 14.610 | 139 | 479403 | 48.367 | ng | 100 |
| 57) 2,4-Dinitrotoluene | 14.751 | 165 | 662877 | 45.693 | ng | 97 |
| 58) Fluorene | 15.445 | 166 | 2124806 | 41.301 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.016 | 232 | 584379 | 44.009 | ng | 100 |
| 60) Diethylphthalate | 15.222 | 149 | 2209545 | 42.507 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.445 | 204 | 1021081 | 40.466 | ng | 99 |
| 62) 4-Nitroaniline | 15.469 | 138 | 573319 | 46.082 | ng | 99 |
| 63) Azobenzene | 15.745 | 77 | 2092657 | 42.713 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.528 | 198 | 327048 | 37.697 | ng | 99 |
| 66) n-Nitrosodiphenylamine | 15.663 | 169 | 1814075 | 40.878 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.357 | 248 | 657498 | 40.979 | ng | 97 |
| 68) Hexachlorobenzene | 16.475 | 284 | 776475 | 40.888 | ng | 99 |
| 69) Atrazine | 16.634 | 200 | 472555 | 44.117 | ng | 99 |
| 70) Pentachlorophenol | 16.828 | 266 | 581658 | 47.363 | ng | 99 |
| 71) Phenanthrene | 17.228 | 178 | 3232332 | 40.488 | ng | 100 |
| 72) Anthracene | 17.316 | 178 | 3223966 | 41.462 | ng | 99 |
| 73) Carbazole | 17.598 | 167 | 3196479 | 42.628 | ng | 100 |
| 74) Di-n-butylphthalate | 18.186 | 149 | 3903701 | 43.854 | ng | 100 |
| 75) Fluoranthene | 19.304 | 202 | 3869566 | 41.850 | ng | 99 |
| 77) Benzidine | 19.504 | 184 | 1020809 | 64.100 | ng | 99 |
| 78) Pyrene | 19.680 | 202 | 3942980 | 43.543 | ng | 100 |
| 80) Butylbenzylphthalate | 20.633 | 149 | 1755848 | 47.019 | ng | 97 |
| 81) Benzo(a)anthracene | 21.610 | 228 | 3823065 | 42.216 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.527 | 252 | 1504645 | 49.574 | ng | 99 |
| 83) Chrysene | 21.674 | 228 | 3589965 | 41.237 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.545 | 149 | 2585259 | 45.881 | ng | 99 |
| 85) Di-n-octyl phthalate | 22.827 | 149 | 4463969 | 49.446 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.815 | 276 | 5158569 | 41.648 | ng | 94 |
| 88) Benzo(b)fluoranthene | 23.927 | 252 | 4222660 | 39.463 | ng | 98 |
| 89) Benzo(k)fluoranthene | 23.998 | 252 | 4060841 | 38.797 | ng | 99 |
| 90) Benzo(a)pyrene | 24.833 | 252 | 3822119 | 41.077 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 28.886 | 278 | 4255246 | 41.295 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 30.009 | 276 | 4320475m | 41.245 | ng | |

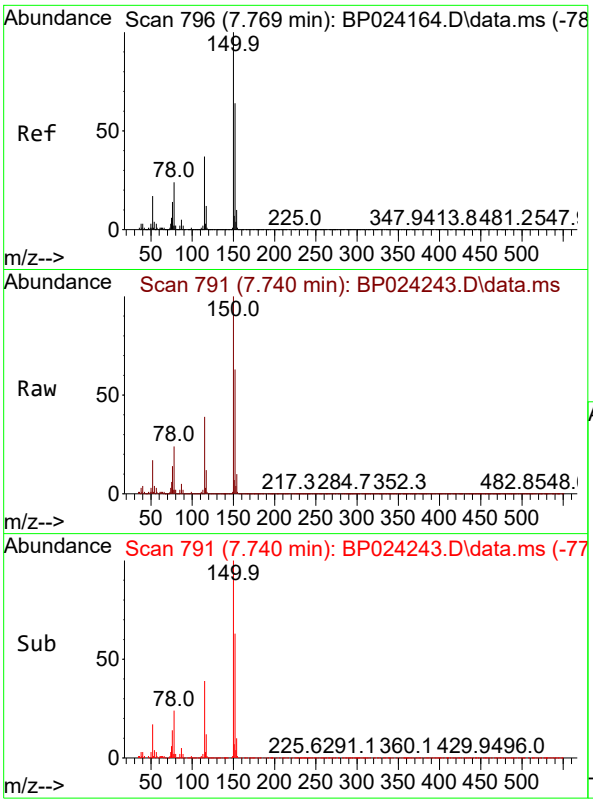
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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024243.D
Acq On : 09 Apr 2025 20:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Quant Time: Apr 10 01:01:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration



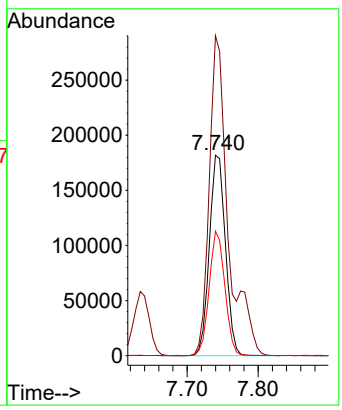


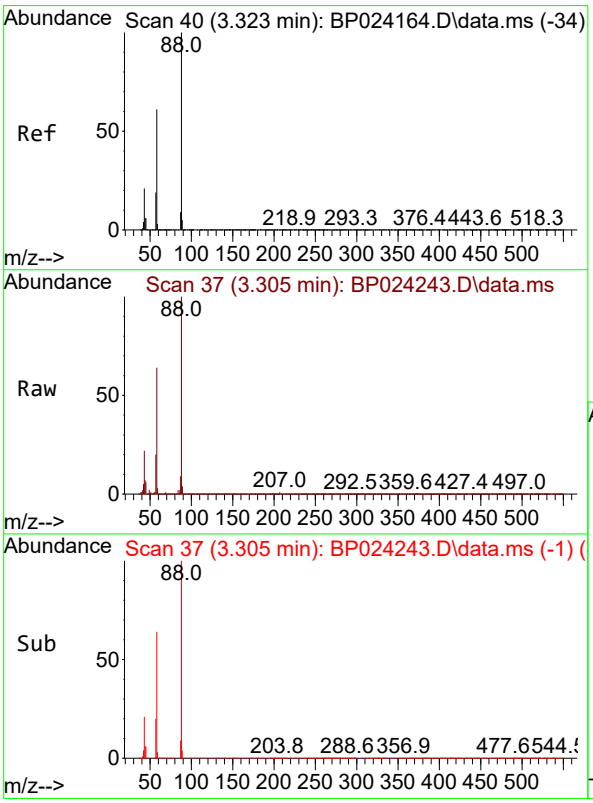

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:152 Resp: 287084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.7 | 125.5 | 188.3 |
| 115 | 62.1 | 46.3 | 69.5 |

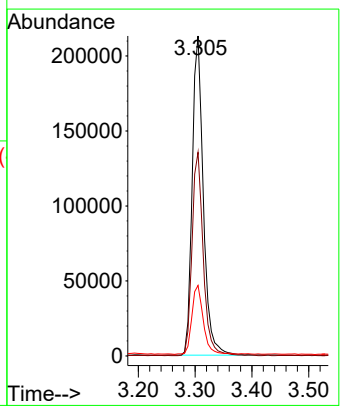


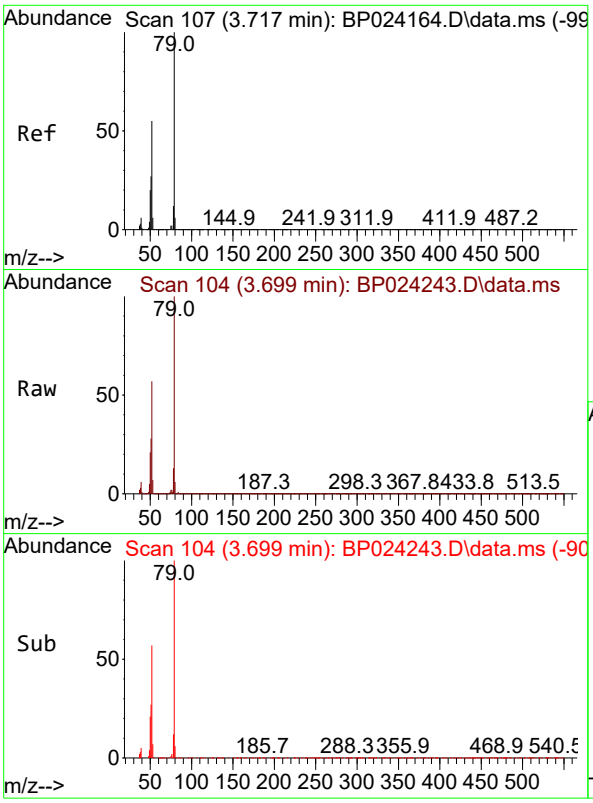




#2
1,4-Dioxane
Concen: 40.808 ng
RT: 3.305 min Scan# 37
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion: 88 Resp: 290918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 64.3 | 49.8 | 74.6 |
| 43 | 22.1 | 17.3 | 25.9 |



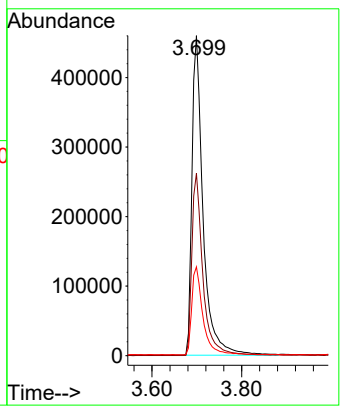


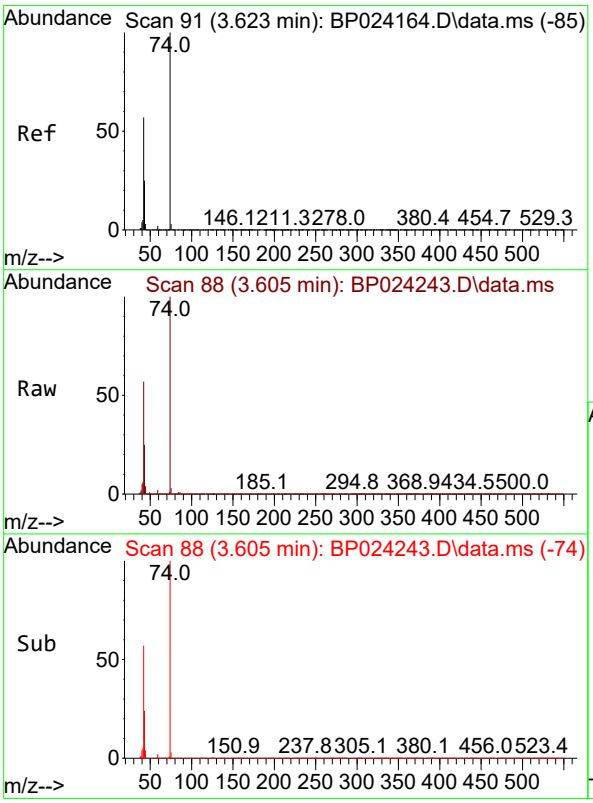

#3
Pyridine
Concen: 40.586 ng
RT: 3.699 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 79 Resp: 790972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 57.0 | 43.8 | 65.8 |
| 51 | 27.8 | 21.6 | 32.4 |

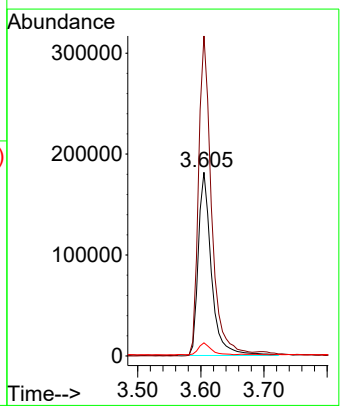


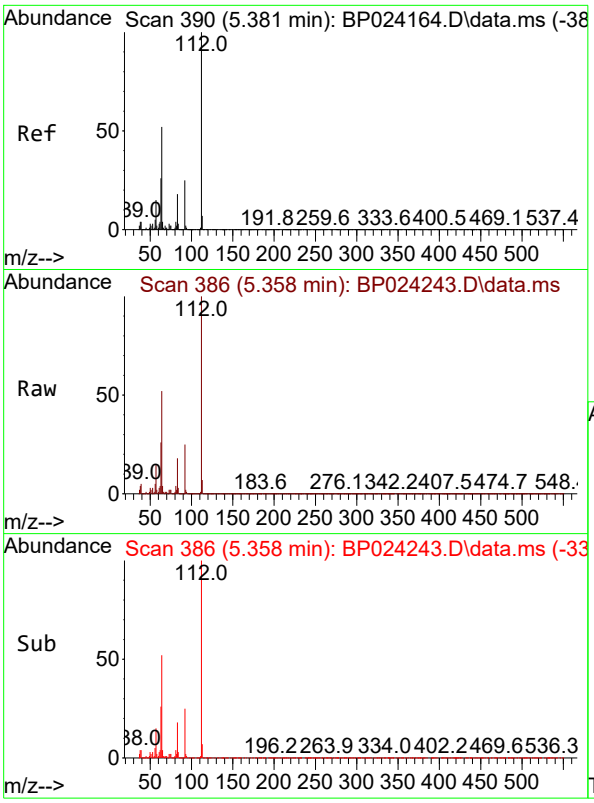




#4
n-Nitrosodimethylamine
Concen: 40.177 ng
RT: 3.605 min Scan# 88
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion: 42 Resp: 261554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 174.3 | 139.8 | 209.6 |
| 44 | 7.1 | 5.3 | 7.9 |



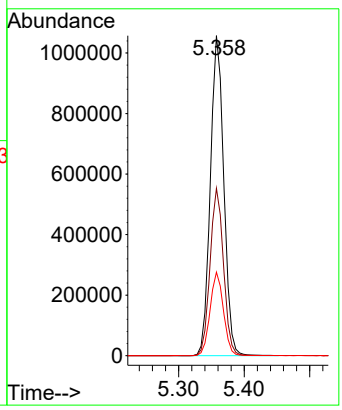


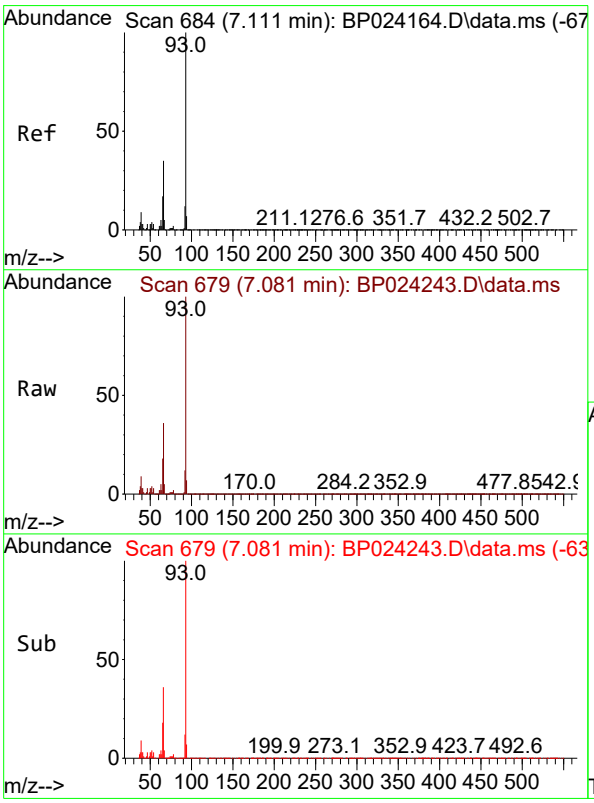

#5
2-Fluorophenol
Concen: 83.918 ng
RT: 5.358 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:112 Resp: 1509234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.3 | 41.3 | 61.9 |
| 63 | 26.1 | 20.6 | 31.0 |

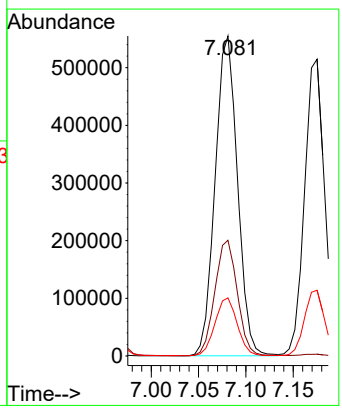


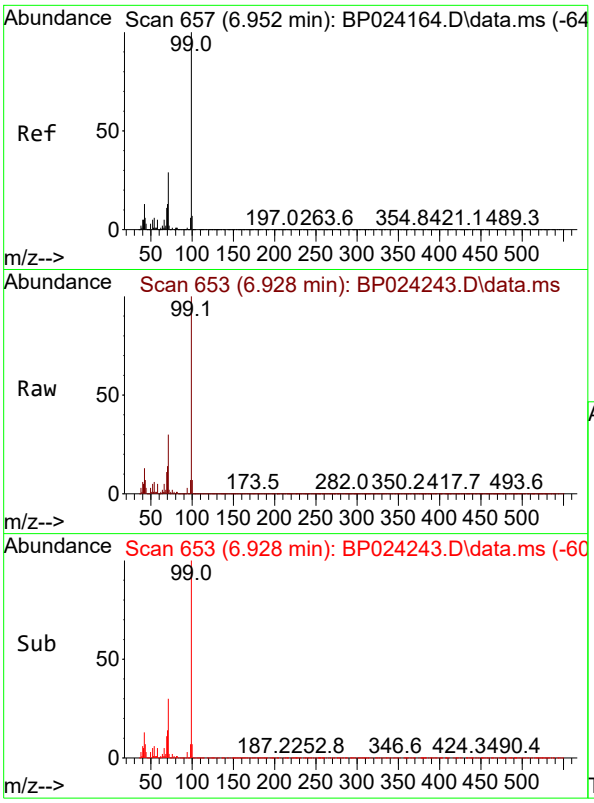




#6
Aniline
Concen: 41.588 ng
RT: 7.081 min Scan# 679
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion: 93 Resp: 911265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 36.2 | 28.2 | 42.2 |
| 65 | 18.2 | 14.0 | 21.0 |



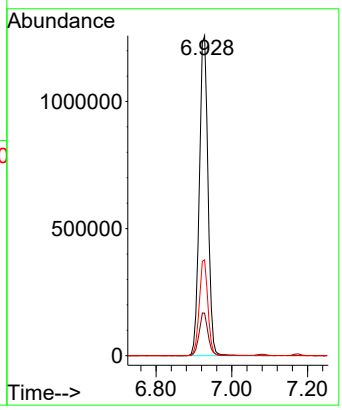


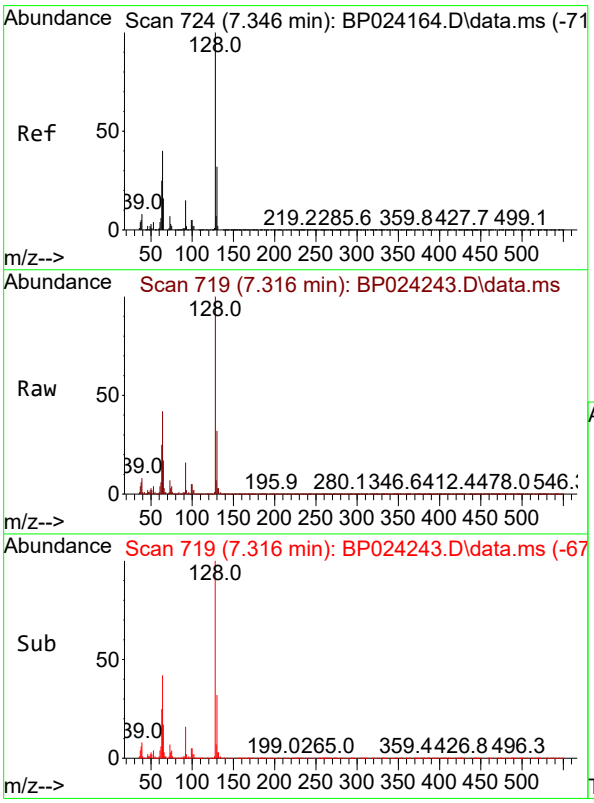

#7
Phenol-d6
Concen: 83.561 ng
RT: 6.928 min Scan# 6
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 99 Resp: 2009634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.3 | 10.6 | 16.0 |
| 71 | 30.0 | 23.3 | 34.9 |

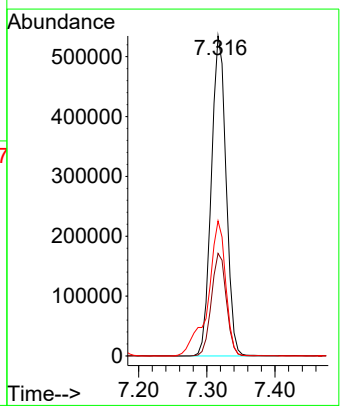


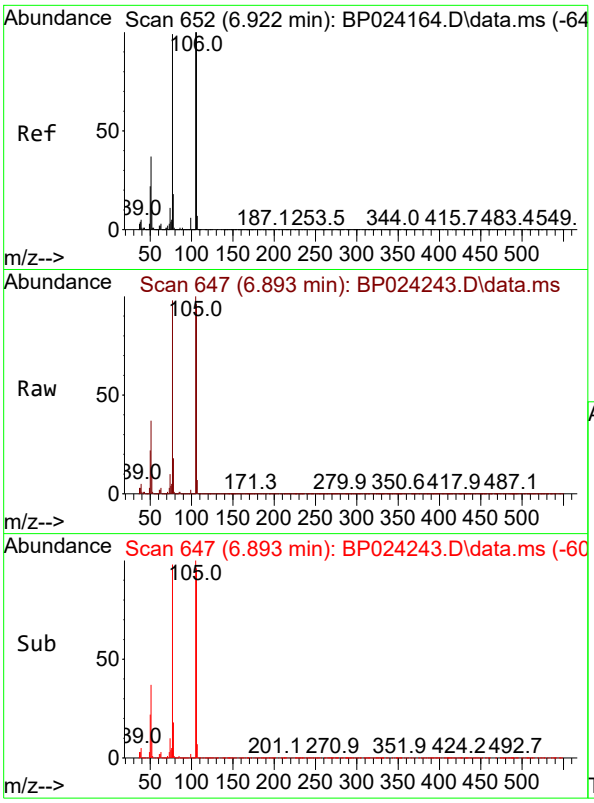




#8
2-Chlorophenol
Concen: 41.543 ng
RT: 7.316 min Scan# 719
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:128 Resp: 807020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.0 | 12.0 | 52.0 |
| 64 | 42.2 | 21.6 | 61.6 |



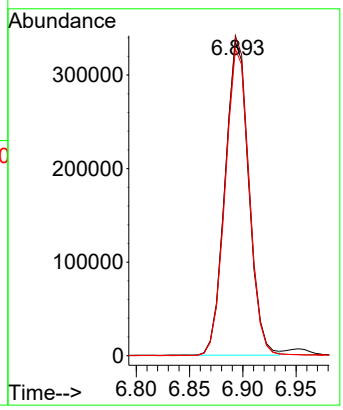


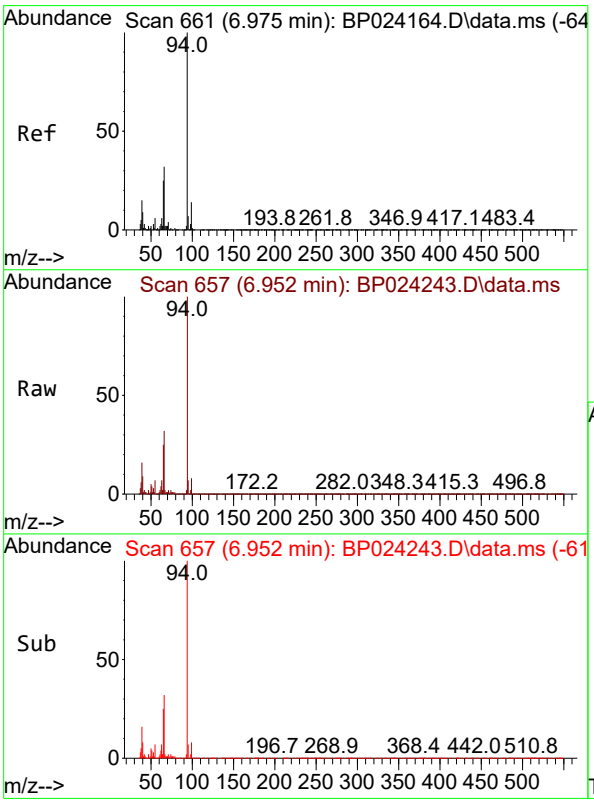

#9
Benzaldehyde
Concen: 44.828 ng
RT: 6.893 min Scan# 64
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 77 Resp: 520280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 101.9 | 81.4 | 121.4 |
| 106 | 97.7 | 81.1 | 121.1 |

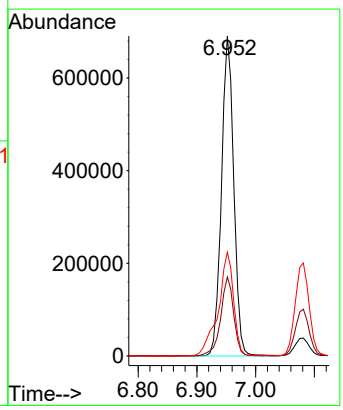


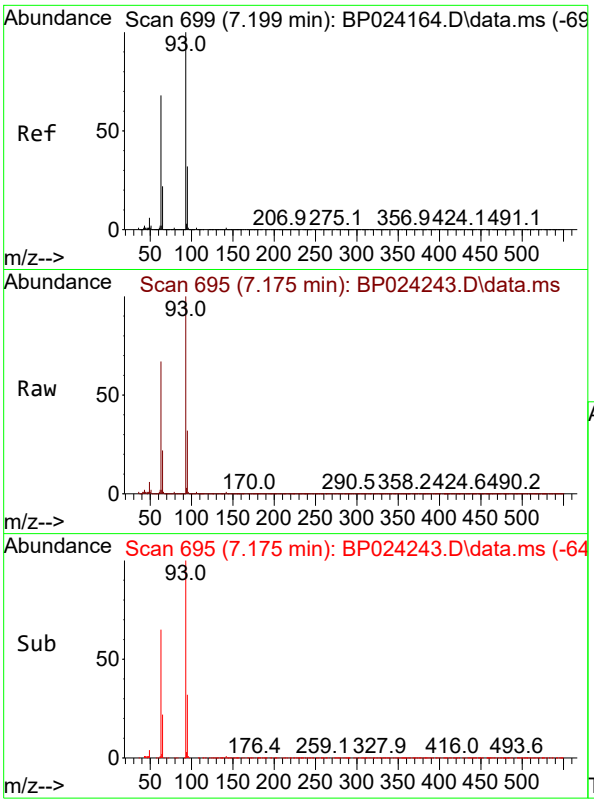




#10
Phenol
Concen: 41.412 ng
RT: 6.952 min Scan# 657
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion: 94 Resp: 1005438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 24.7 | 4.9 | 44.9 |
| 66 | 32.4 | 11.9 | 51.9 |



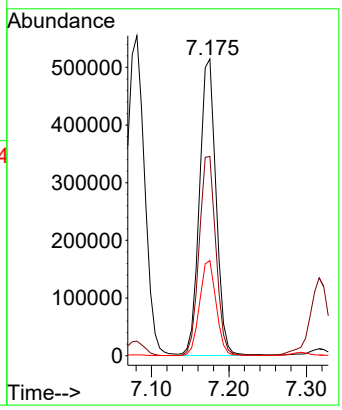


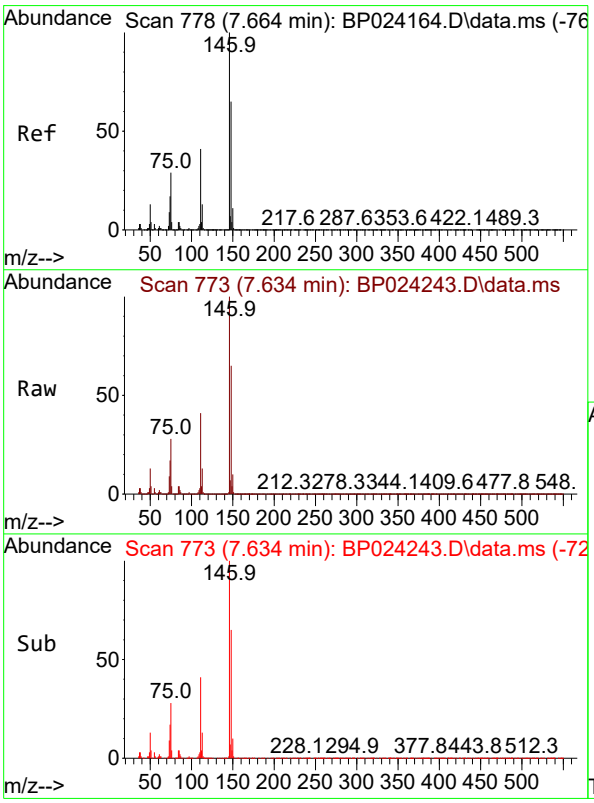

#11
bis(2-Chloroethyl)ether
Concen: 39.926 ng
RT: 7.175 min Scan# 6
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 93 Resp: 764420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 67.1 | 47.4 | 87.4 |
| 95 | 32.0 | 12.1 | 52.1 |

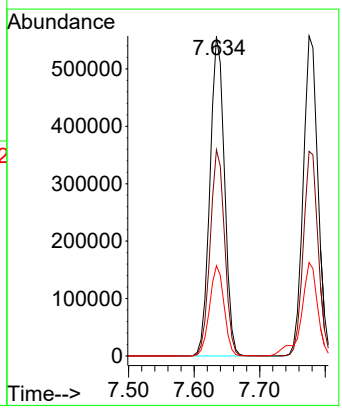


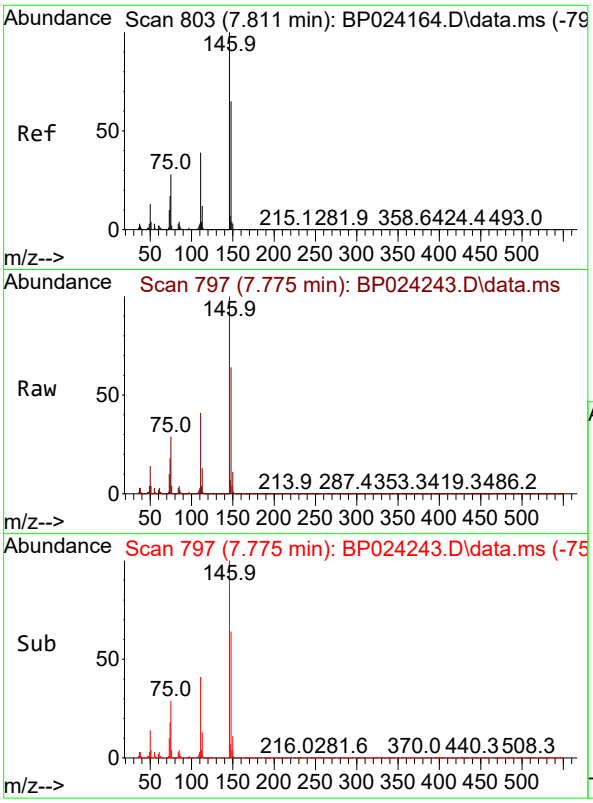




#12
1,3-Dichlorobenzene
Concen: 40.832 ng
RT: 7.634 min Scan# 773
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:146 Resp: 855384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.6 | 51.6 | 77.4 |
| 75 | 28.2 | 22.8 | 34.2 |



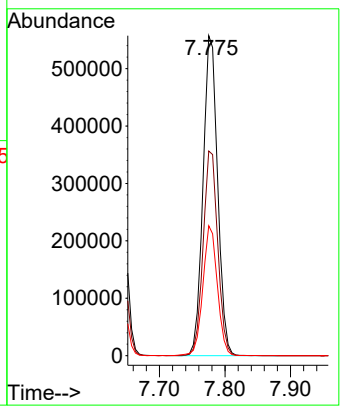


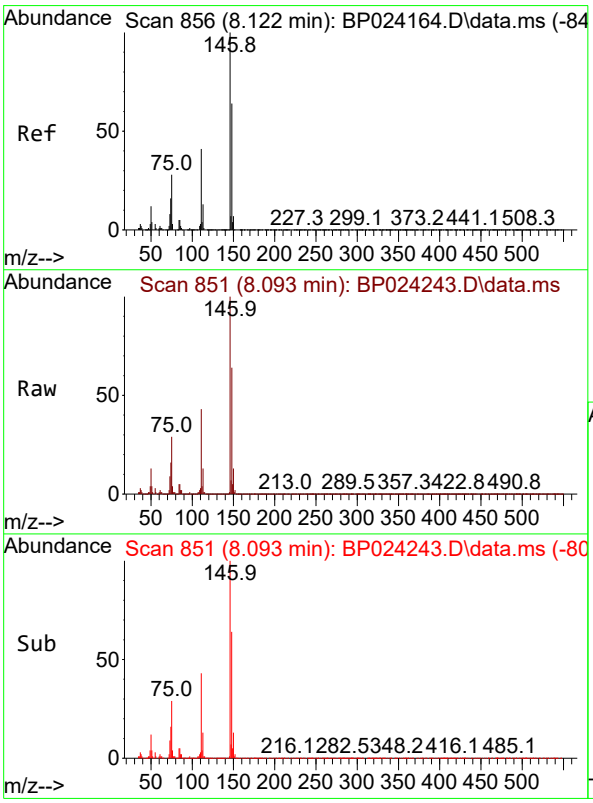

#13
1,4-Dichlorobenzene
Concen: 40.282 ng
RT: 7.775 min Scan# 7
Delta R.T. -0.035 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:146 Resp: 861602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 51.9 | 77.9 |
| 111 | 40.6 | 31.4 | 47.2 |

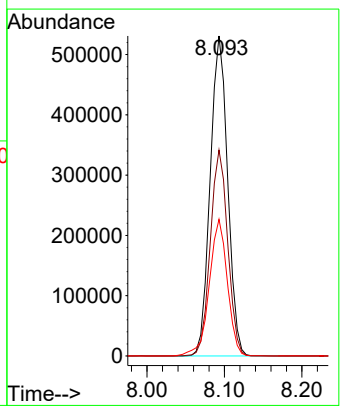


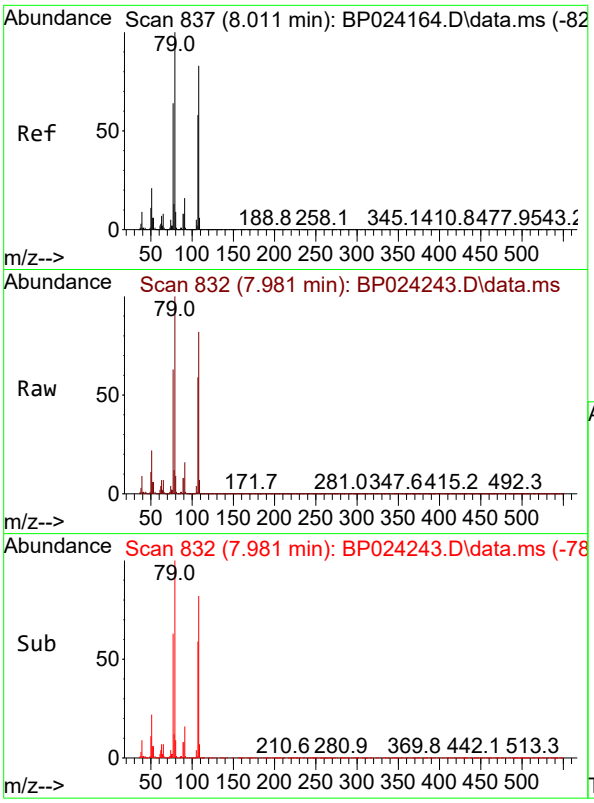




#14
1,2-Dichlorobenzene
Concen: 40.380 ng
RT: 8.093 min Scan# 851
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:146 Resp: 828820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 51.4 | 77.2 |
| 111 | 42.7 | 33.2 | 49.8 |



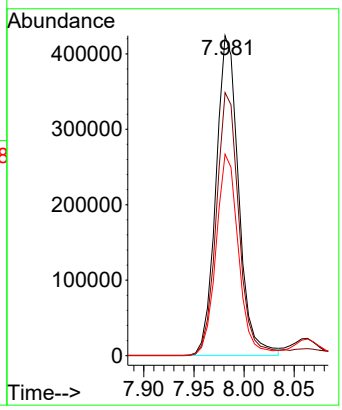


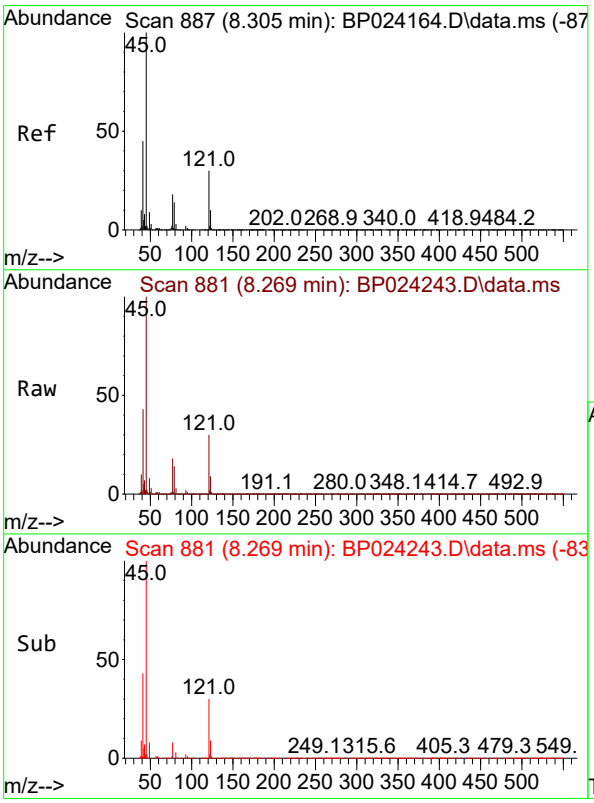

#15
Benzyl Alcohol
Concen: 43.732 ng
RT: 7.981 min Scan# 8
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 79 Resp: 665865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 82.2 | 66.5 | 99.7 |
| 77 | 62.9 | 50.9 | 76.3 |

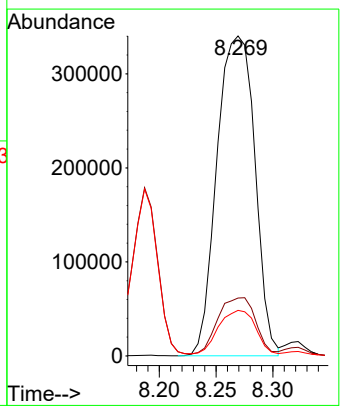


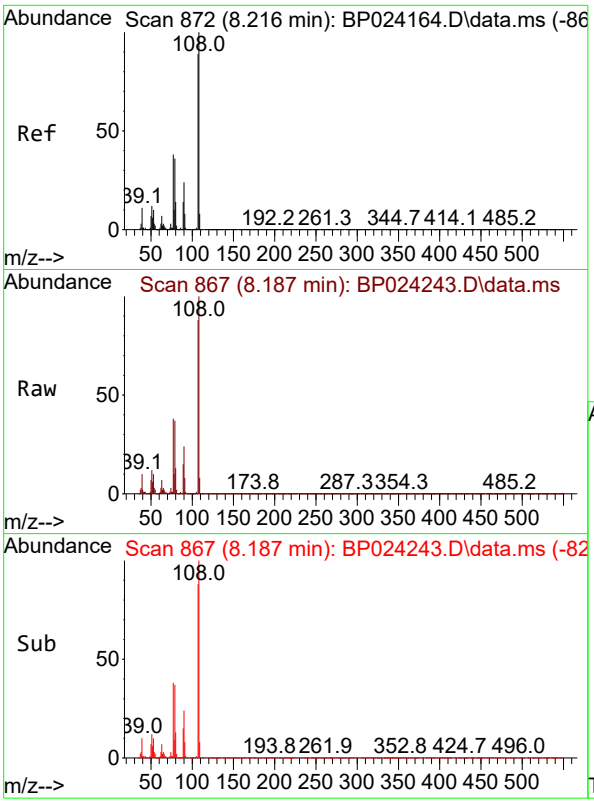




#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.450 ng
RT: 8.269 min Scan# 881
Delta R.T. -0.035 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion: 45 Resp: 790420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 18.1 | 0.0 | 39.0 |
| 79 | 14.3 | 0.0 | 35.6 |



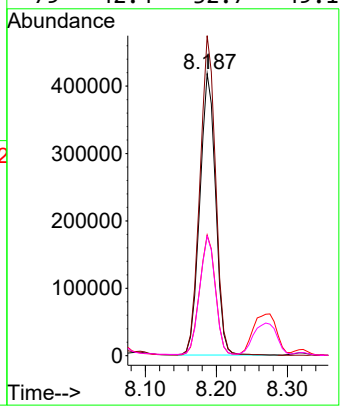


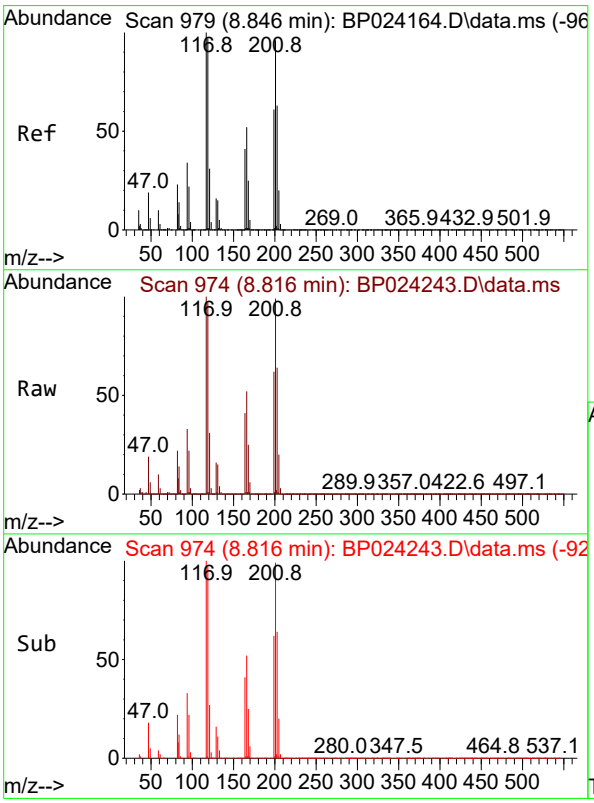

#17
2-Methylphenol
Concen: 42.525 ng
RT: 8.187 min Scan# 8
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:107 Resp: 647425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.4 | 90.0 | 135.0 |
| 77 | 42.8 | 34.0 | 51.0 |
| 79 | 42.4 | 32.7 | 49.1 |

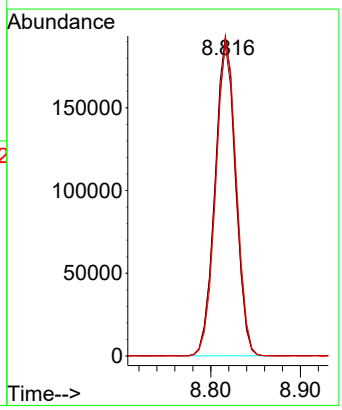


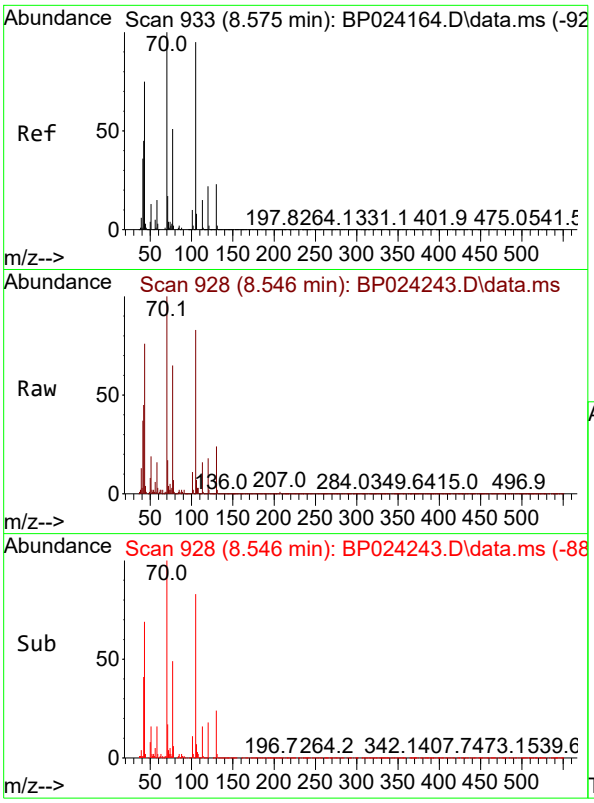




#18
Hexachloroethane
Concen: 40.814 ng
RT: 8.816 min Scan# 974
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:117 Resp: 309718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.2 | 77.4 | 116.0 |
| 201 | 99.1 | 76.6 | 114.8 |



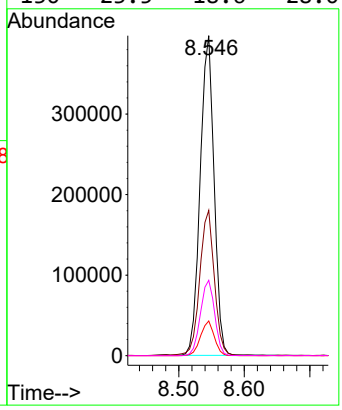


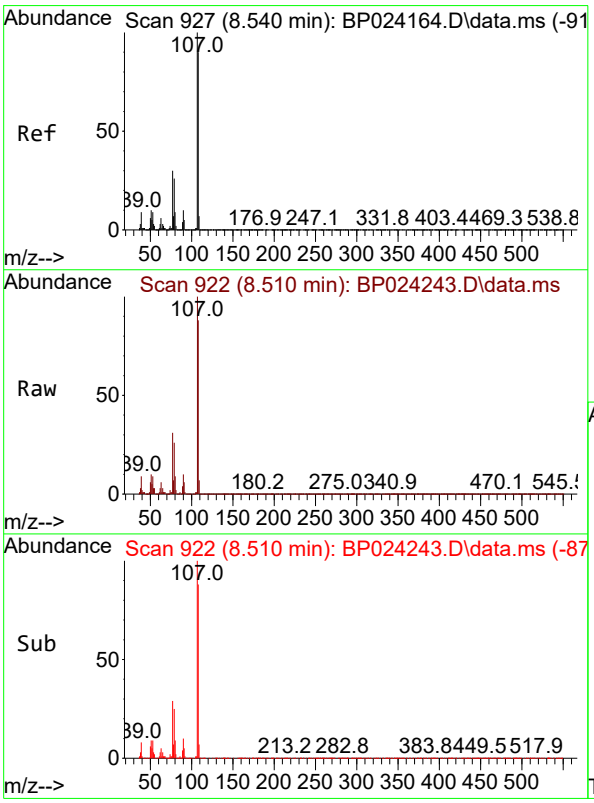

#19
n-Nitroso-di-n-propylamine
Concen: 42.065 ng
RT: 8.546 min Scan# 9
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 70 Resp: 586911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 45.4 | 36.0 | 54.0 |
| 101 | 10.8 | 8.3 | 12.5 |
| 130 | 23.5 | 18.6 | 28.0 |

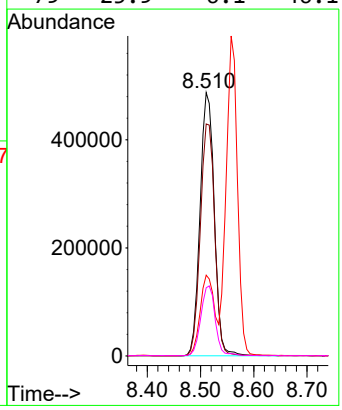


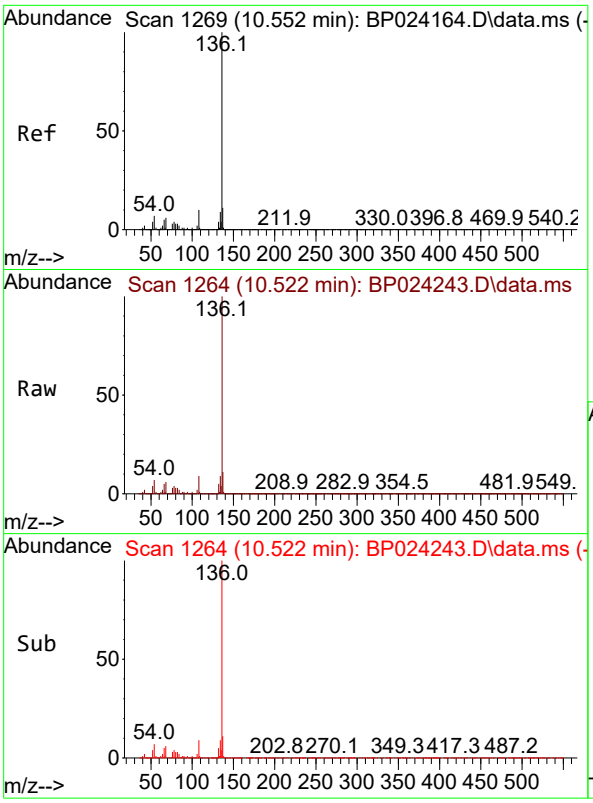




#20
3+4-Methylphenols
Concen: 43.162 ng
RT: 8.510 min Scan# 922
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:107 Resp: 902801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.1 | 69.7 | 109.7 |
| 77 | 30.7 | 10.3 | 50.3 |
| 79 | 25.9 | 6.1 | 46.1 |



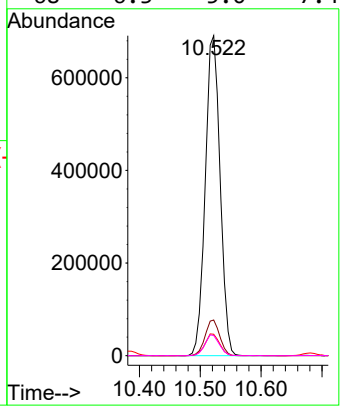


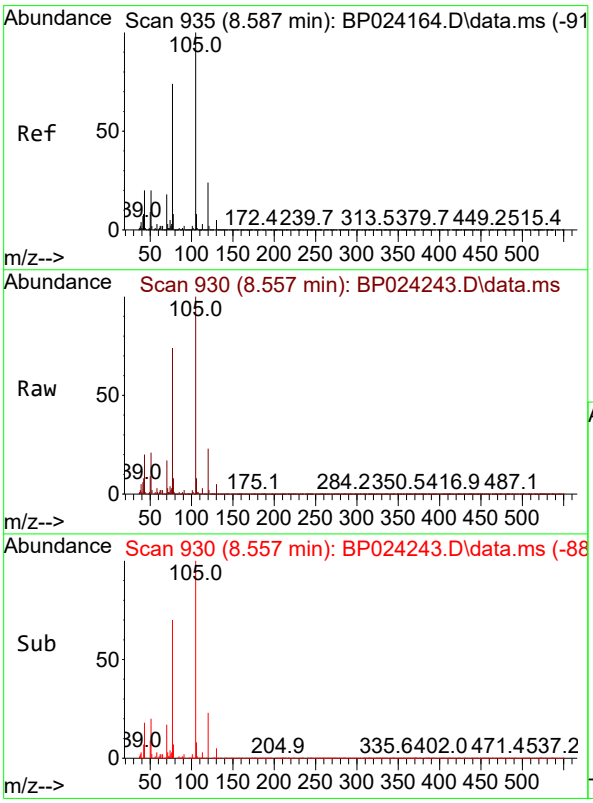

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.522 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:136 Resp: 1167629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 9.0 | 13.4 |
| 54 | 6.7 | 5.3 | 7.9 |
| 68 | 6.3 | 5.0 | 7.4 |

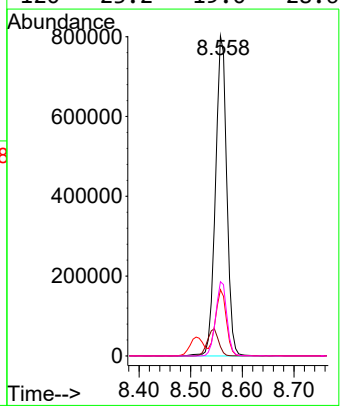


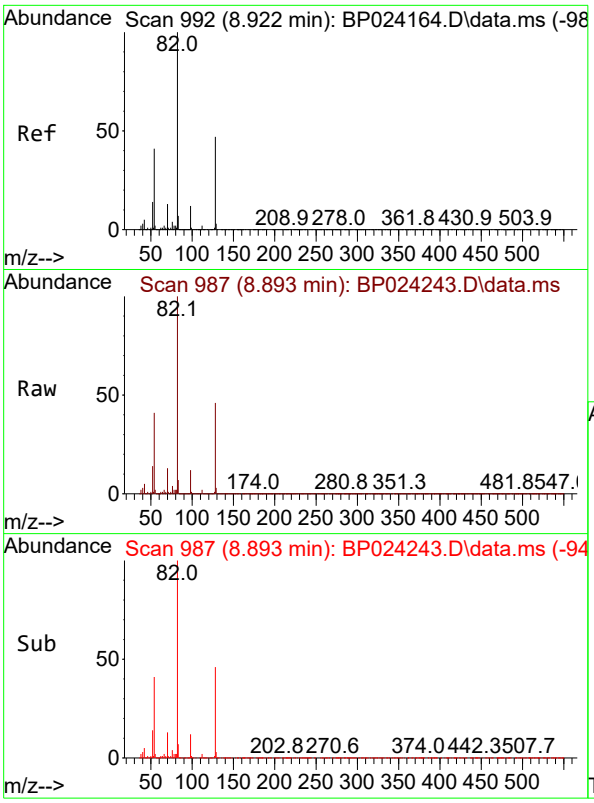




#22
Acetophenone
Concen: 41.156 ng
RT: 8.557 min Scan# 930
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:105 Resp: 1214940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 2.9 | 2.4 | 3.6 |
| 51 | 20.7 | 16.2 | 24.2 |
| 120 | 23.2 | 19.0 | 28.6 |



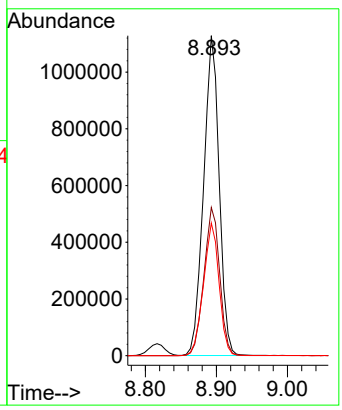


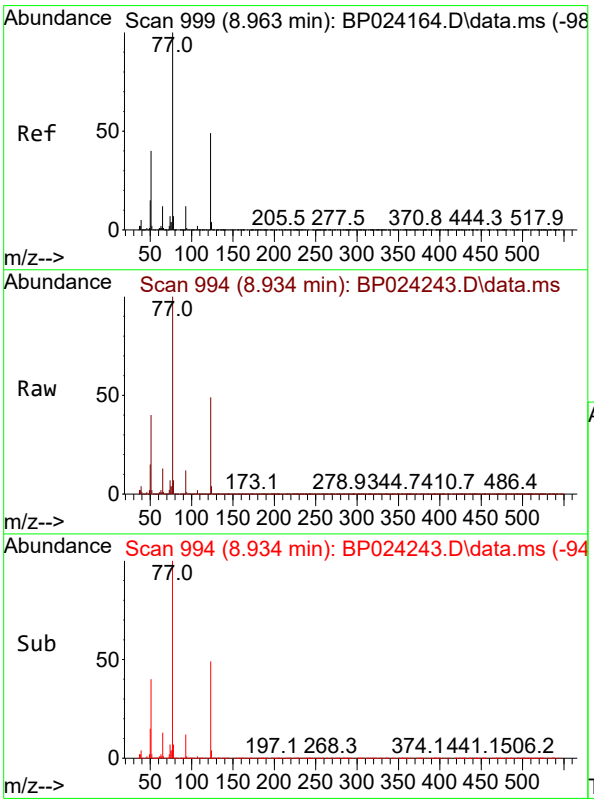

#23
Nitrobenzene-d5
Concen: 83.245 ng
RT: 8.893 min Scan# 9
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 82 Resp: 1722757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.3 | 37.4 | 56.0 |
| 54 | 41.5 | 32.5 | 48.7 |

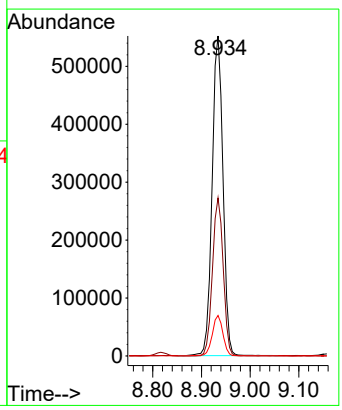


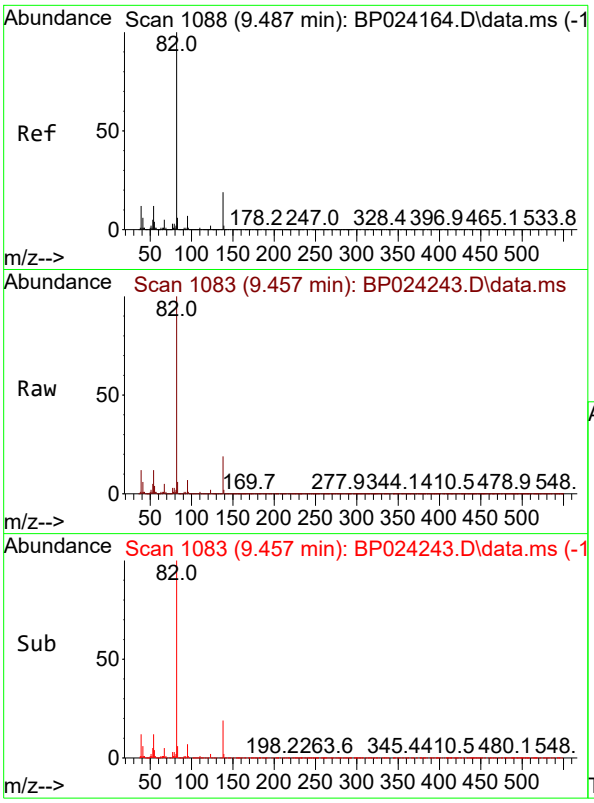




#24
Nitrobenzene
Concen: 41.661 ng
RT: 8.934 min Scan# 994
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion: 77 Resp: 850529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 49.4 | 39.4 | 59.2 |
| 65 | 12.7 | 9.9 | 14.9 |



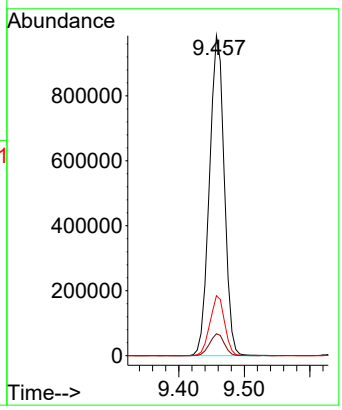


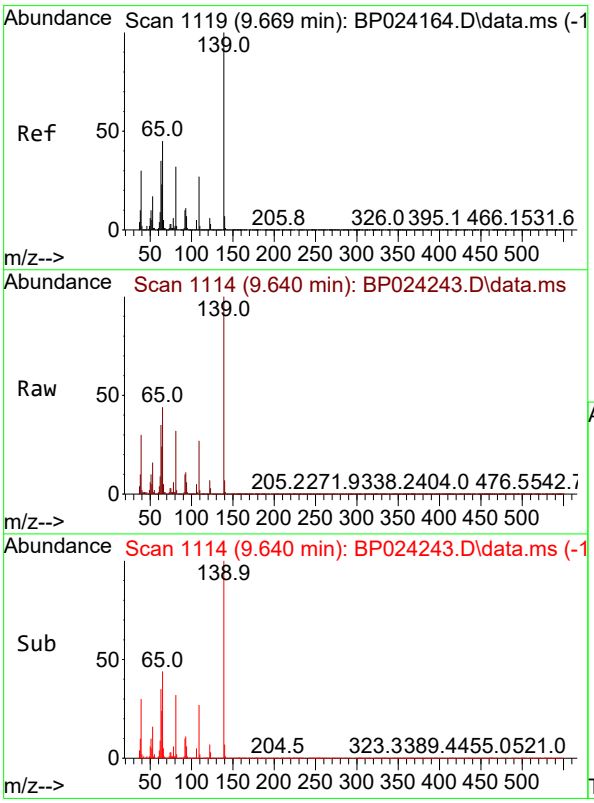

#25
Isophorone
Concen: 43.649 ng
RT: 9.457 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 82 Resp: 1548448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.8 | 5.3 | 7.9 |
| 138 | 18.8 | 14.8 | 22.2 |

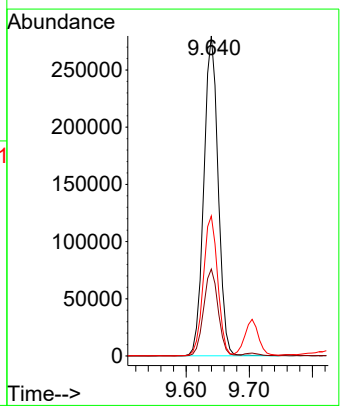


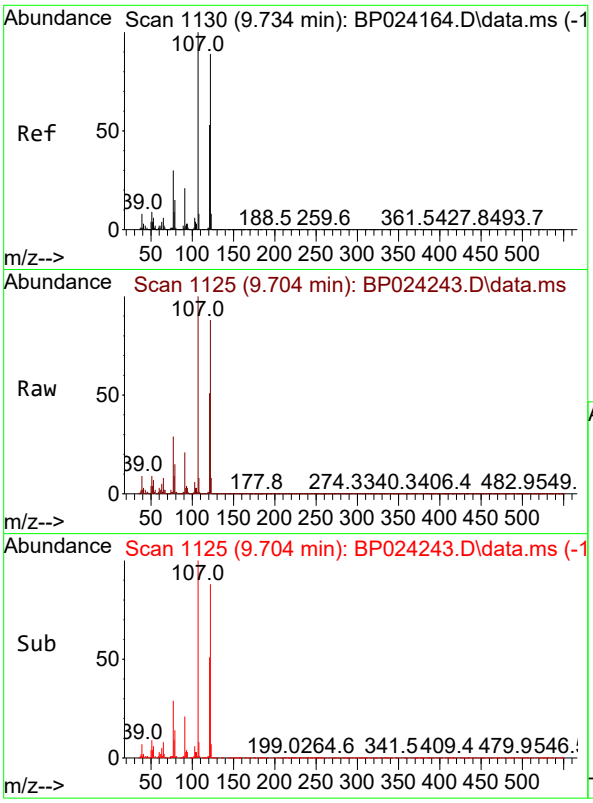




#26
2-Nitrophenol
Concen: 45.010 ng
RT: 9.640 min Scan# 1114
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:139 Resp: 438933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 27.1 | 21.7 | 32.5 |
| 65 | 43.8 | 35.8 | 53.8 |



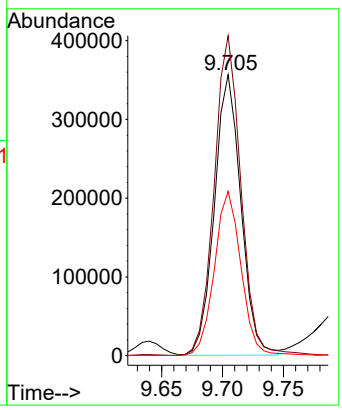


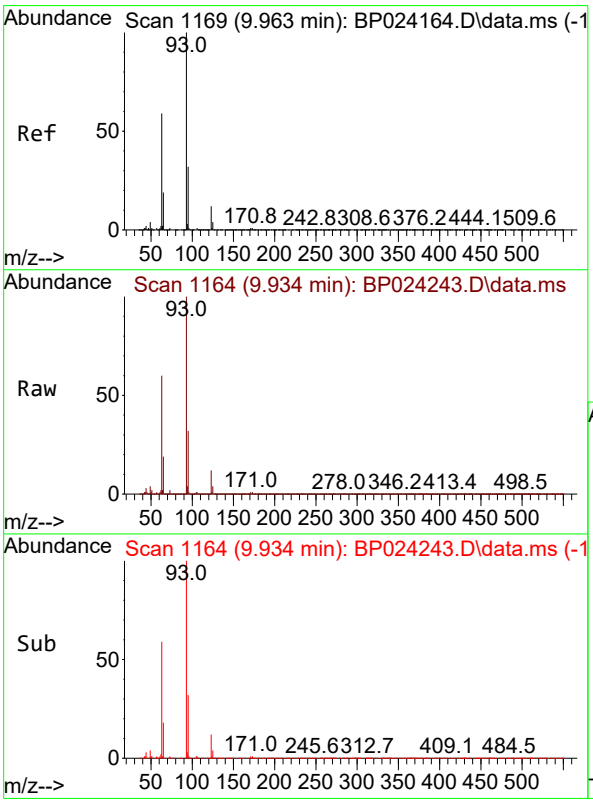

#27
2,4-Dimethylphenol
Concen: 43.082 ng
RT: 9.704 min Scan# 11
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:122 Resp: 540227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 113.8 | 89.3 | 133.9 |
| 121 | 58.4 | 47.5 | 71.3 |

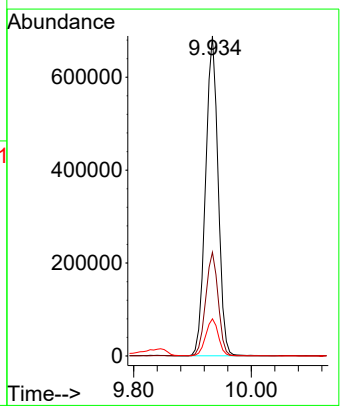


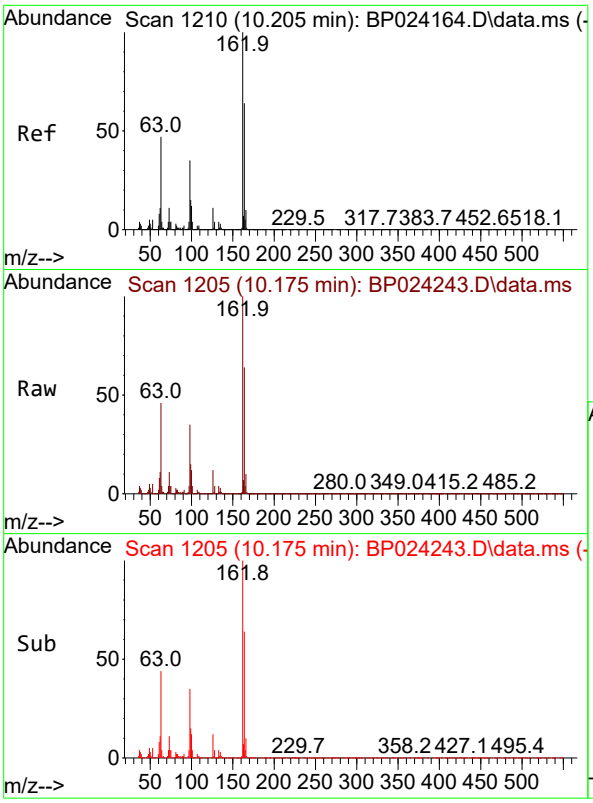




#28
bis(2-Chloroethoxy)methane
Concen: 40.721 ng
RT: 9.934 min Scan# 1164
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion: 93 Resp: 1016244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.4 | 25.9 | 38.9 |
| 123 | 11.6 | 9.5 | 14.3 |



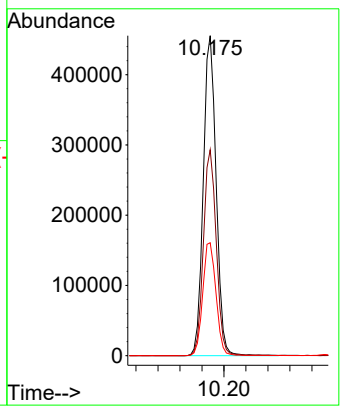


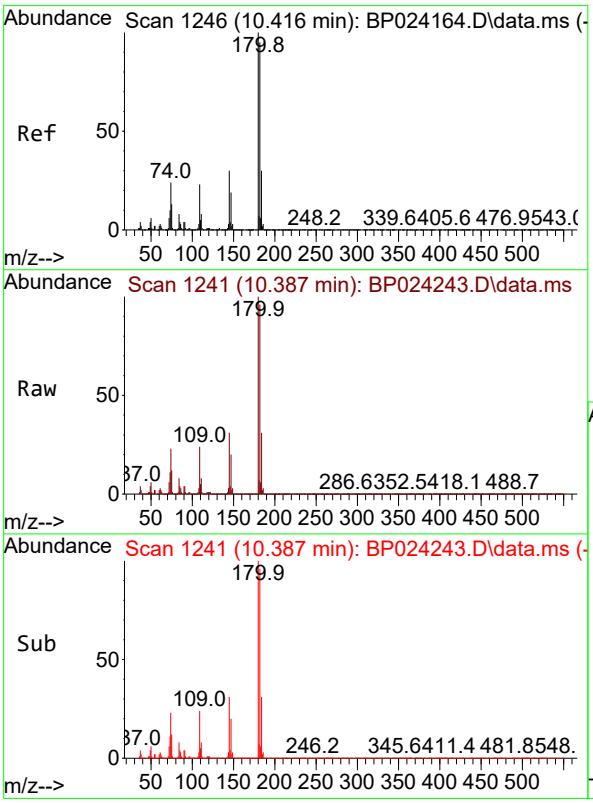

#29
2,4-Dichlorophenol
Concen: 43.526 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:162 Resp: 738339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.4 | 44.2 | 84.2 |
| 98 | 35.3 | 15.1 | 55.1 |

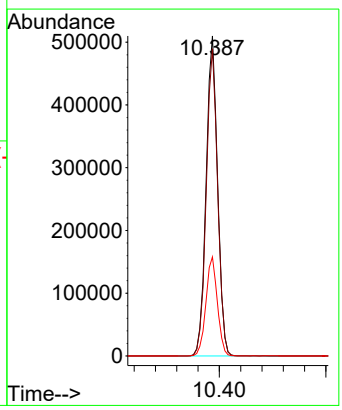


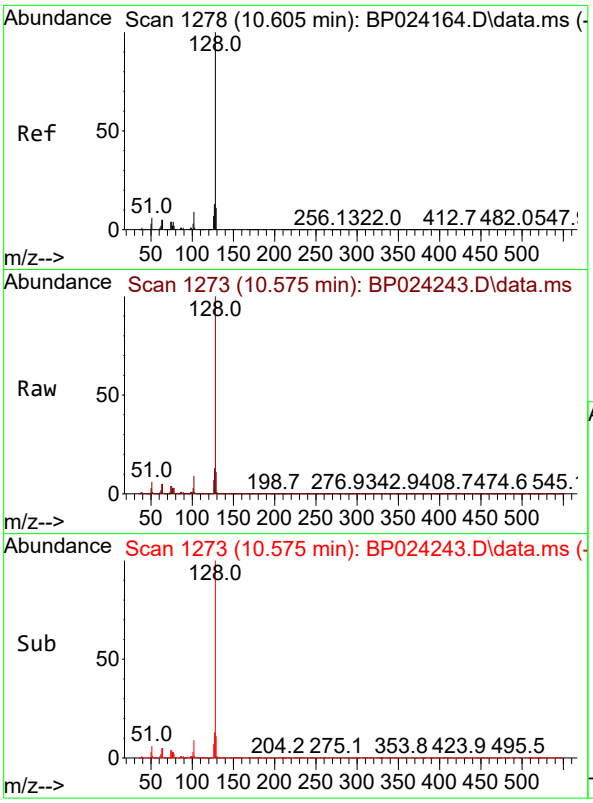




#30
1,2,4-Trichlorobenzene
Concen: 40.543 ng
RT: 10.387 min Scan# 1241
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:180 Resp: 759836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.0 | 76.1 | 114.1 |
| 145 | 31.0 | 24.2 | 36.2 |



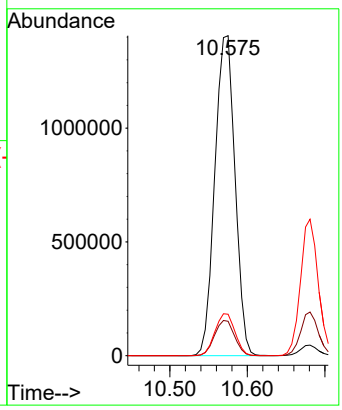


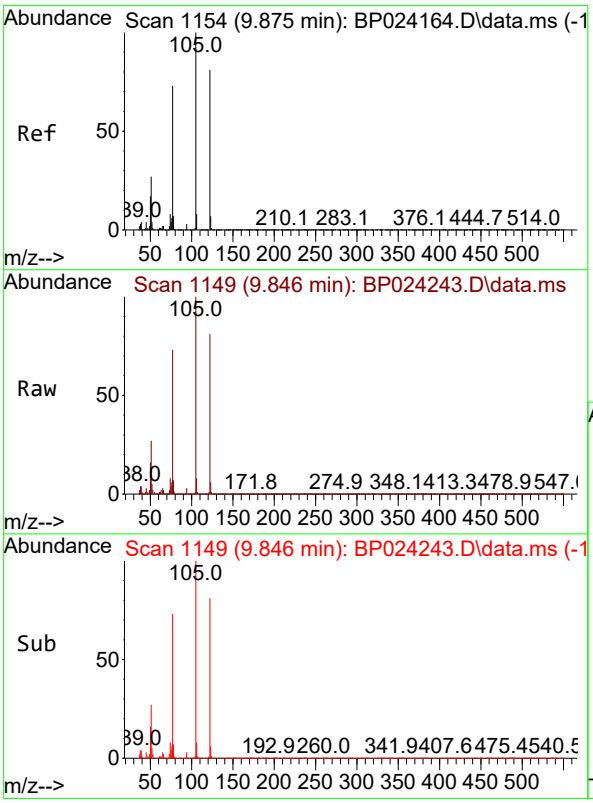

#31
Naphthalene
Concen: 41.152 ng
RT: 10.575 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:128 Resp: 2547078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.7 | 8.7 | 13.1 |
| 127 | 13.0 | 10.4 | 15.6 |

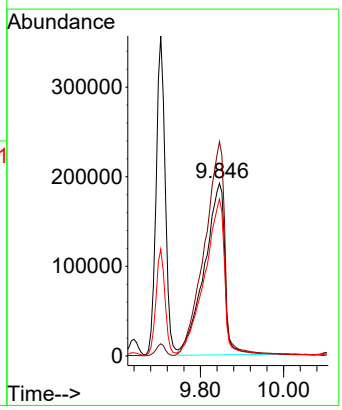


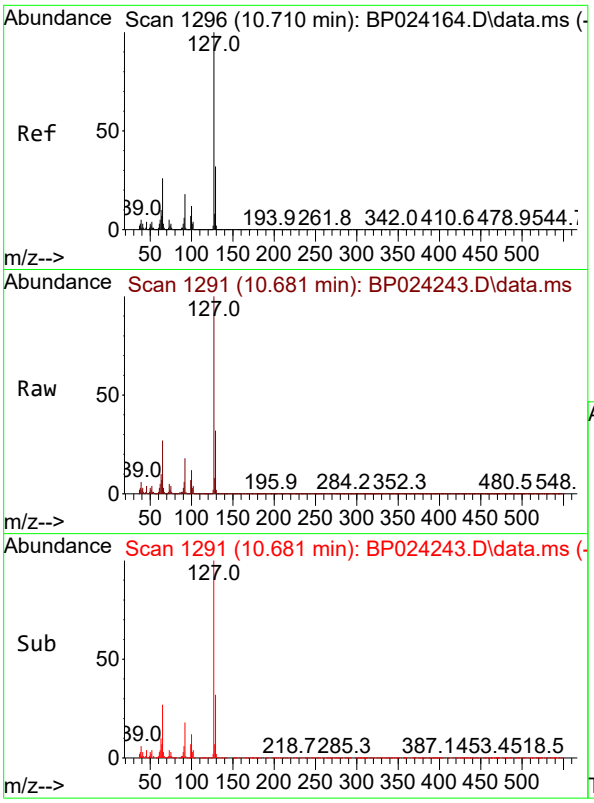




#32
Benzoic acid
Concen: 53.374 ng
RT: 9.846 min Scan# 1149
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:122 Resp: 652732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.1 | 100.3 | 140.3 |
| 77 | 91.0 | 69.1 | 109.1 |



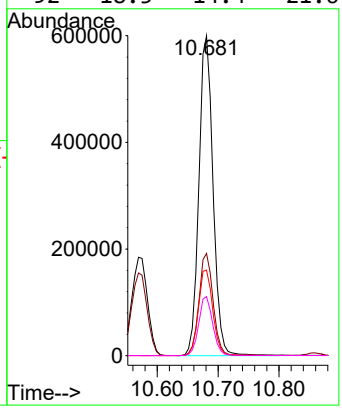


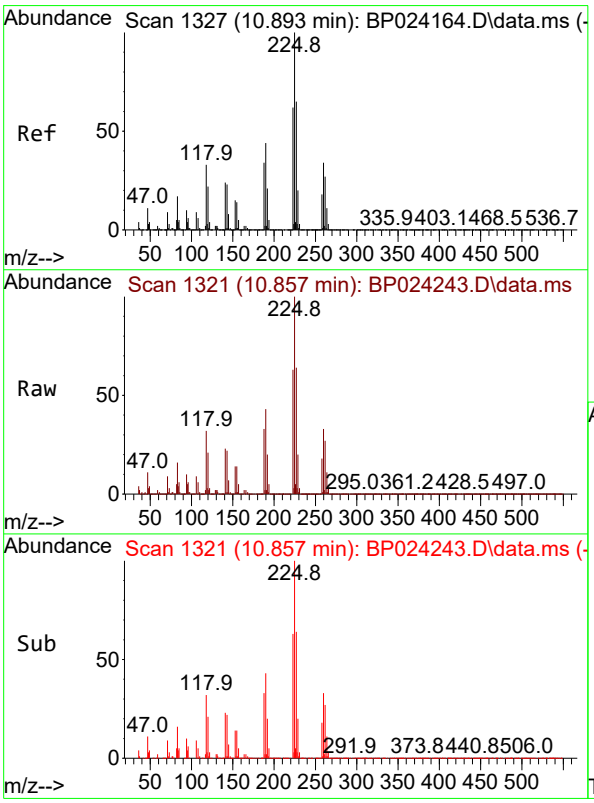

#33
4-Chloroaniline
Concen: 43.595 ng
RT: 10.681 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:127 Resp: 965625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.0 | 25.8 | 38.6 |
| 65 | 26.8 | 21.2 | 31.8 |
| 92 | 18.5 | 14.4 | 21.6 |

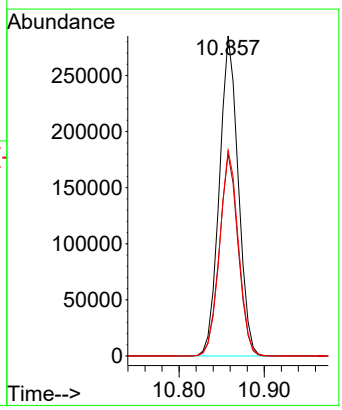


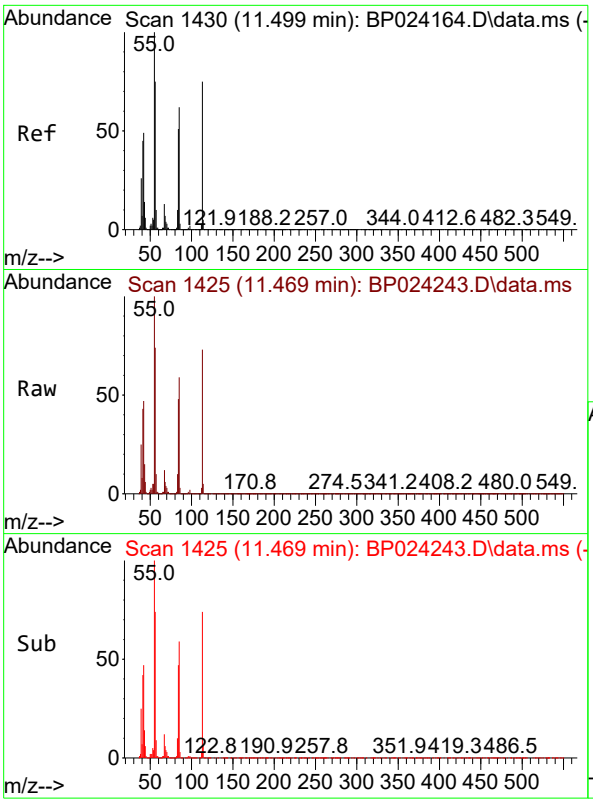




#34
Hexachlorobutadiene
Concen: 40.667 ng
RT: 10.857 min Scan# 1321
Delta R.T. -0.035 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:225 Resp: 438635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.2 | 49.9 | 74.9 |
| 227 | 64.3 | 52.2 | 78.2 |



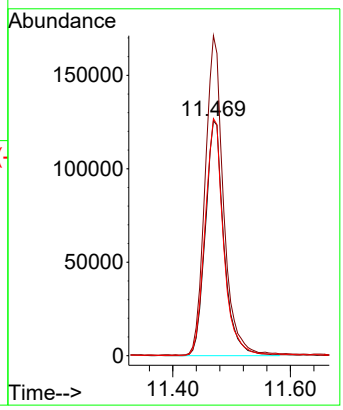


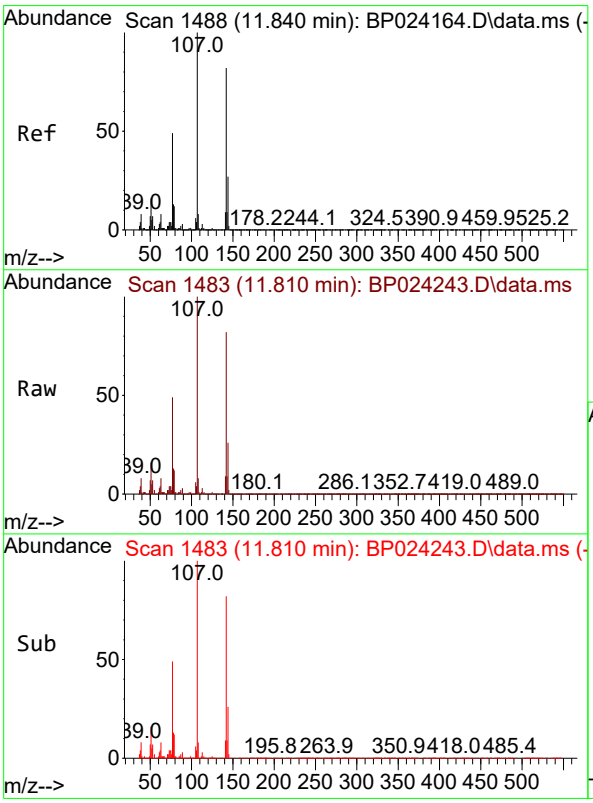

#35
Caprolactam
Concen: 49.564 ng
RT: 11.469 min Scan# 14
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:113 Resp: 275552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 136.2 | 113.6 | 153.6 |
| 56 | 100.9 | 80.0 | 120.0 |

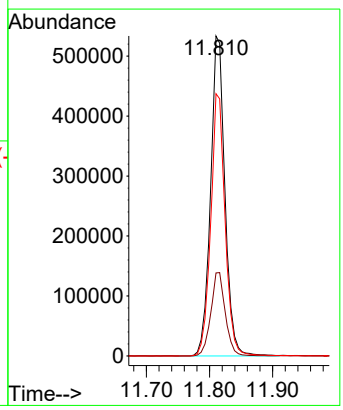


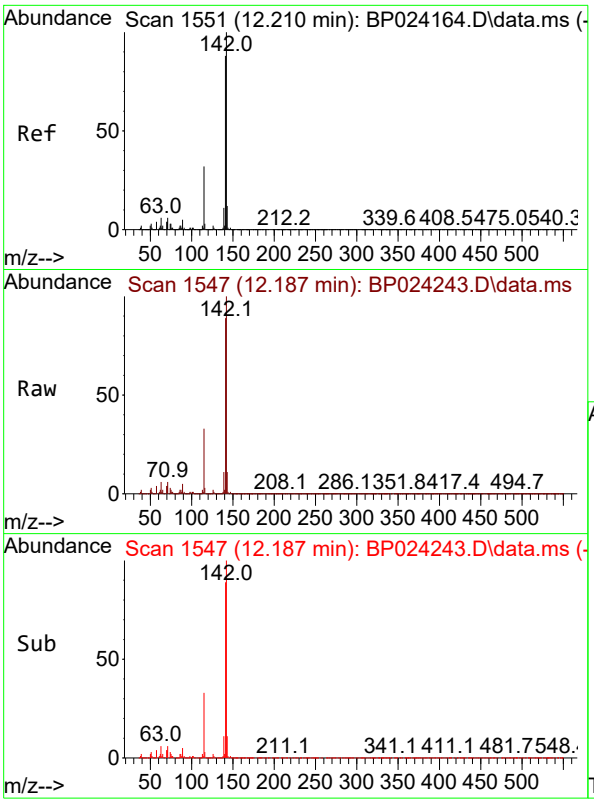




#36
4-Chloro-3-methylphenol
Concen: 46.027 ng
RT: 11.810 min Scan# 1483
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:107 Resp: 842270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.9 | 21.6 | 32.4 |
| 142 | 81.9 | 65.4 | 98.0 |



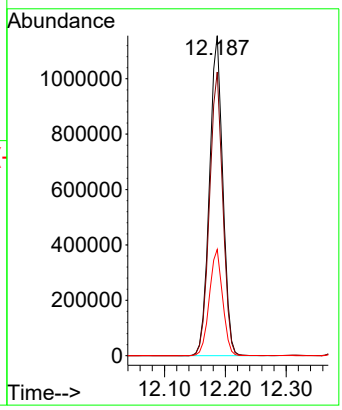


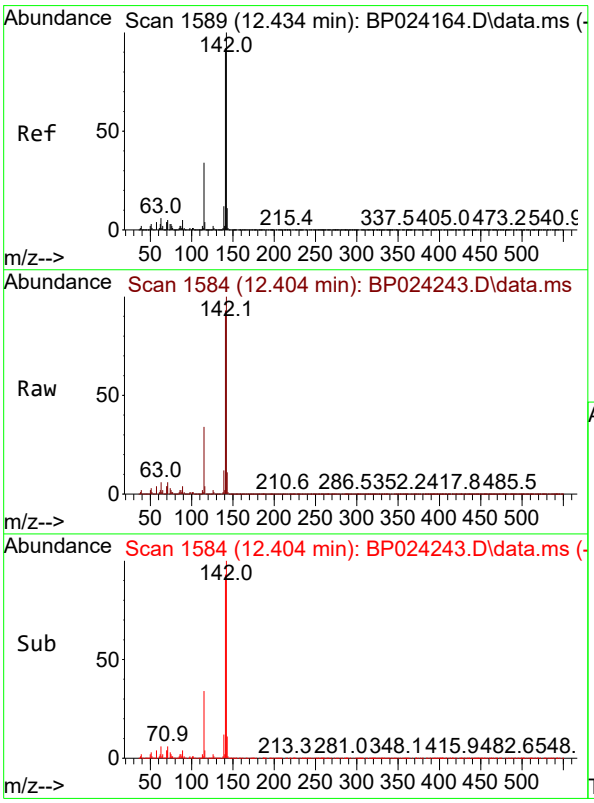

#37
2-Methylnaphthalene
Concen: 42.040 ng
RT: 12.187 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:142 Resp: 1757855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.6 | 70.3 | 105.5 |
| 115 | 33.2 | 26.0 | 39.0 |

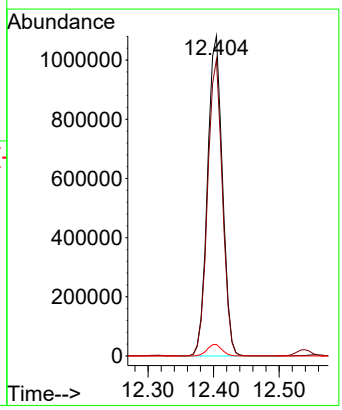


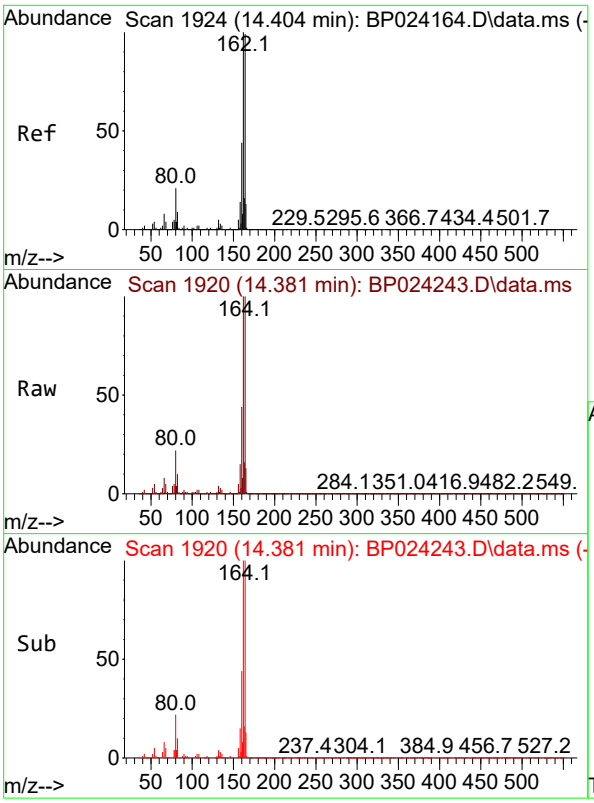




#38
1-Methylnaphthalene
Concen: 42.070 ng
RT: 12.404 min Scan# 1584
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:142 Resp: 1710995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.7 | 73.9 | 110.9 |
| 116 | 3.6 | 2.8 | 4.2 |



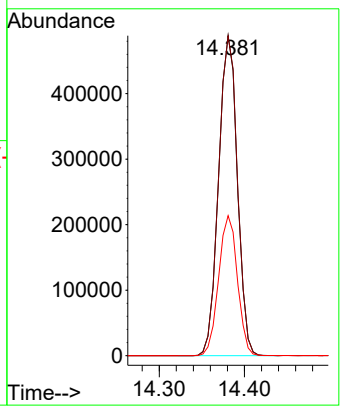


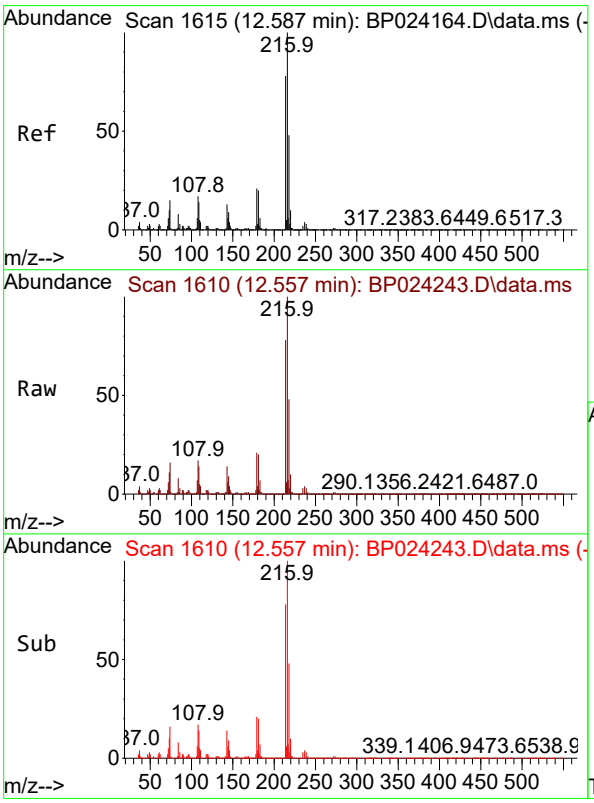

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.381 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:164 Resp: 745990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.8 | 80.6 | 121.0 |
| 160 | 43.8 | 35.4 | 53.2 |

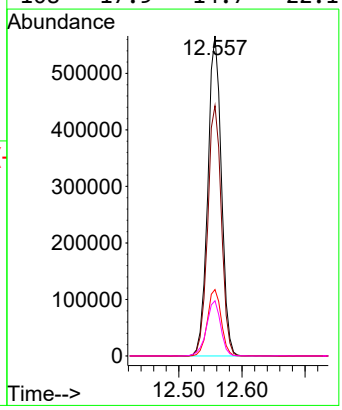


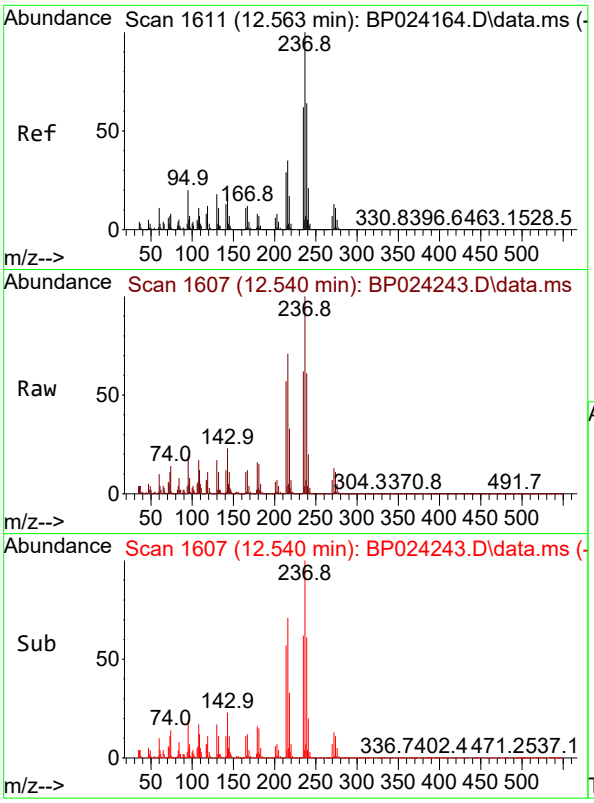




#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.230 ng
RT: 12.557 min Scan# 1610
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:216 Resp: 845975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.8 | 62.8 | 94.2 |
| 179 | 21.1 | 16.8 | 25.2 |
| 108 | 17.9 | 14.7 | 22.1 |



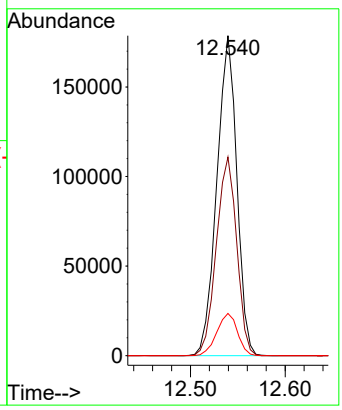


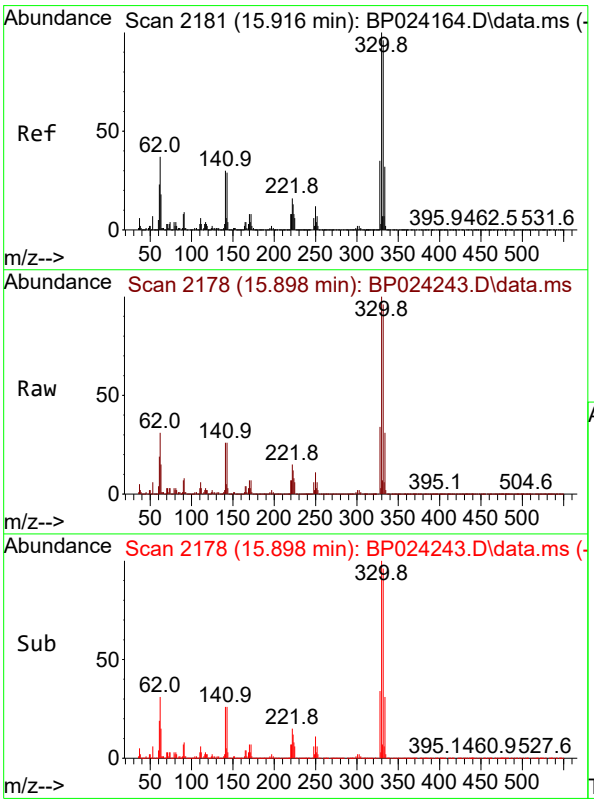

#41
Hexachlorocyclopentadiene
Concen: 33.703 ng
RT: 12.540 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:237 Resp: 261977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.0 | 41.8 | 81.8 |
| 272 | 13.2 | 0.0 | 33.5 |

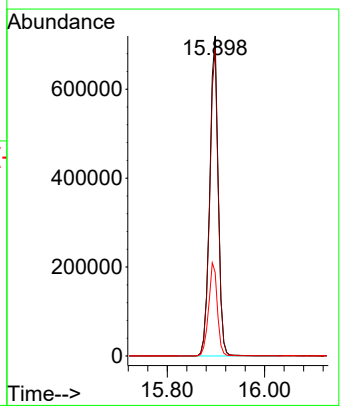


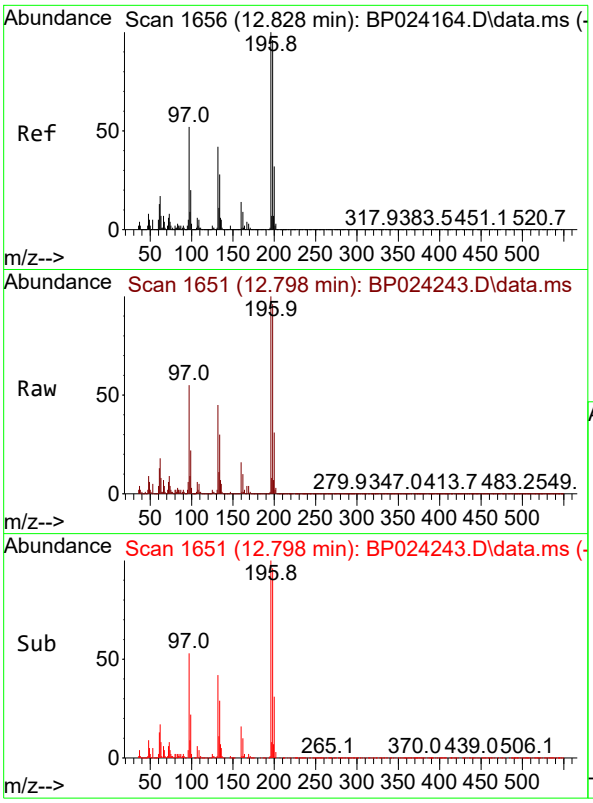




#42
2,4,6-Tribromophenol
Concen: 92.095 ng
RT: 15.898 min Scan# 2178
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:330 Resp: 865387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.4 | 77.6 | 116.4 |
| 141 | 29.7 | 25.0 | 37.6 |



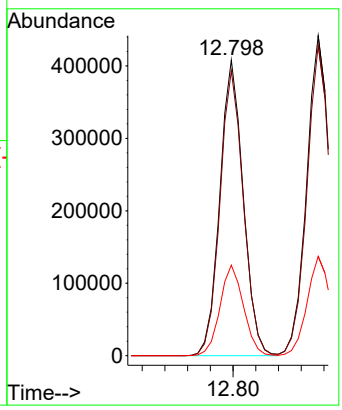


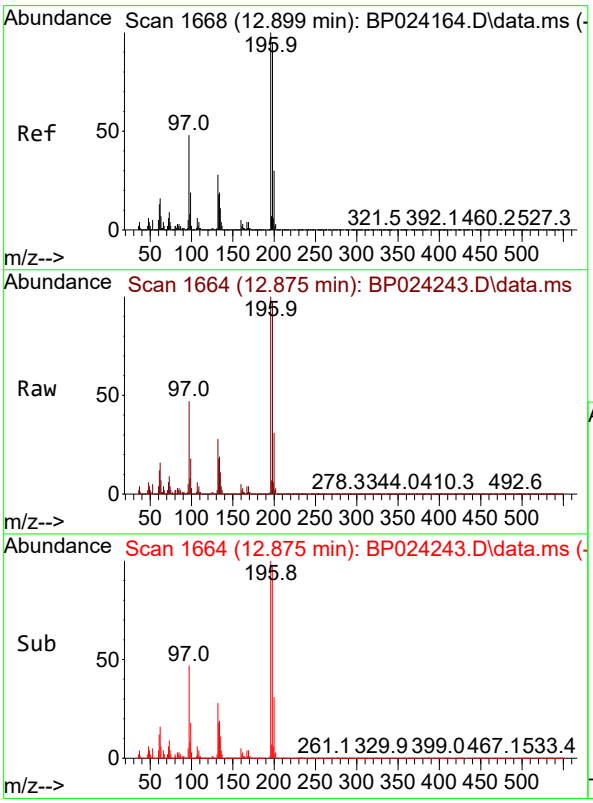

#43
2,4,6-Trichlorophenol
Concen: 42.642 ng
RT: 12.798 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:196 Resp: 584393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.4 | 76.6 | 115.0 |
| 200 | 30.7 | 25.4 | 38.0 |

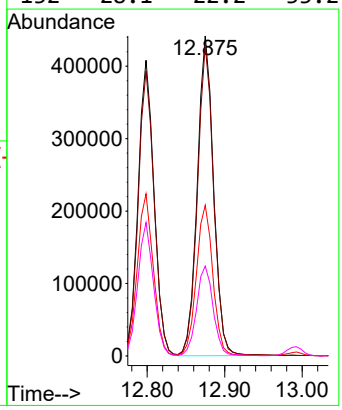


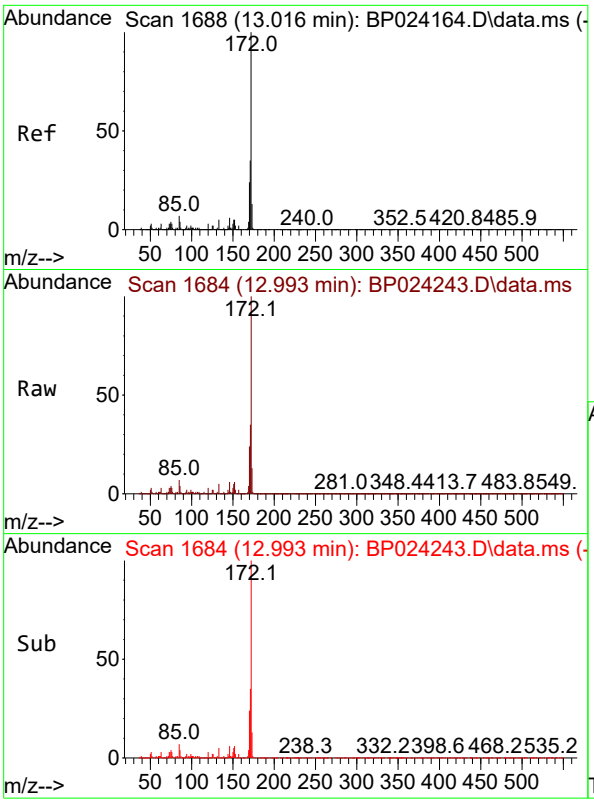




#44
2,4,5-Trichlorophenol
Concen: 42.864 ng
RT: 12.875 min Scan# 1664
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:196 Resp: 644222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 97.1 | 76.5 | 114.7 |
| 97 | 47.1 | 38.7 | 58.1 |
| 132 | 28.1 | 22.2 | 33.2 |



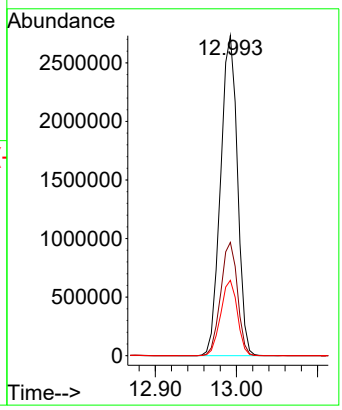


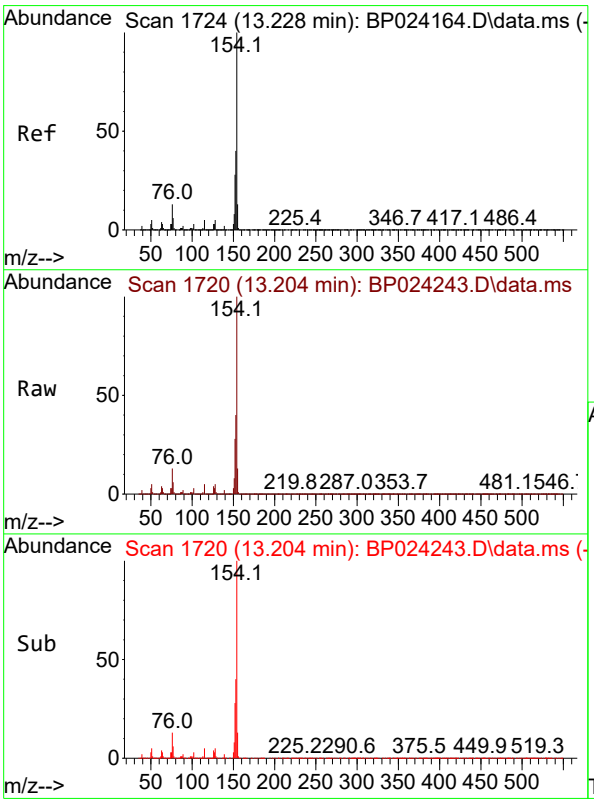

#45
2-Fluorobiphenyl
Concen: 78.208 ng
RT: 12.993 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:172 Resp: 3956663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 28.3 | 42.5 |
| 170 | 23.6 | 19.0 | 28.4 |

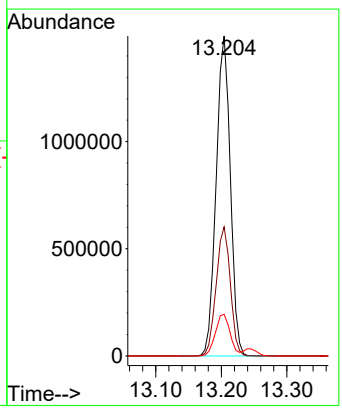


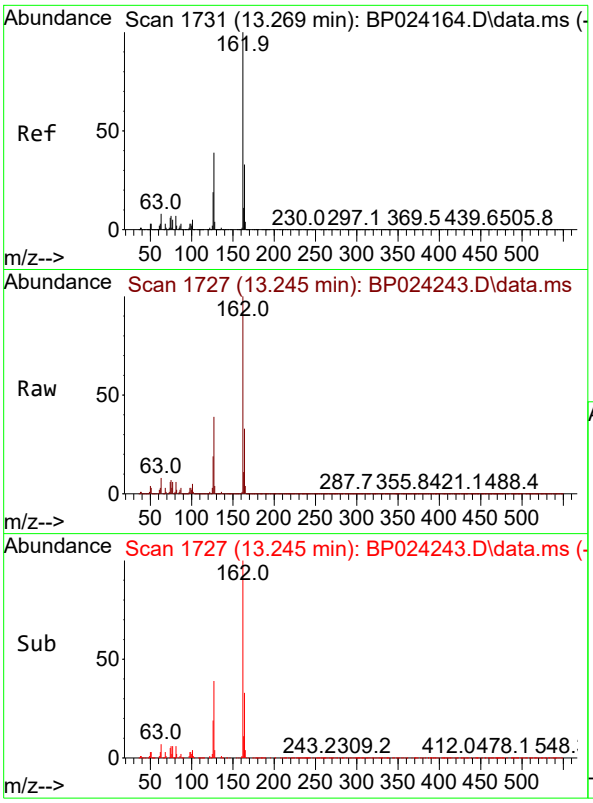




#46
1,1'-Biphenyl
Concen: 39.741 ng
RT: 13.204 min Scan# 1720
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:154 Resp: 2227781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.4 | 20.3 | 60.3 |
| 76 | 13.0 | 0.0 | 32.9 |



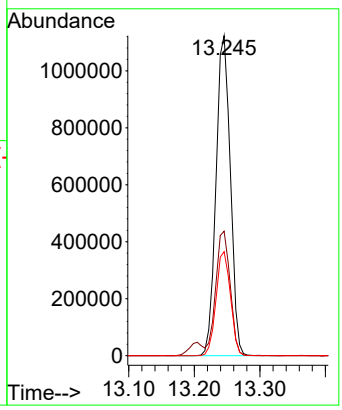


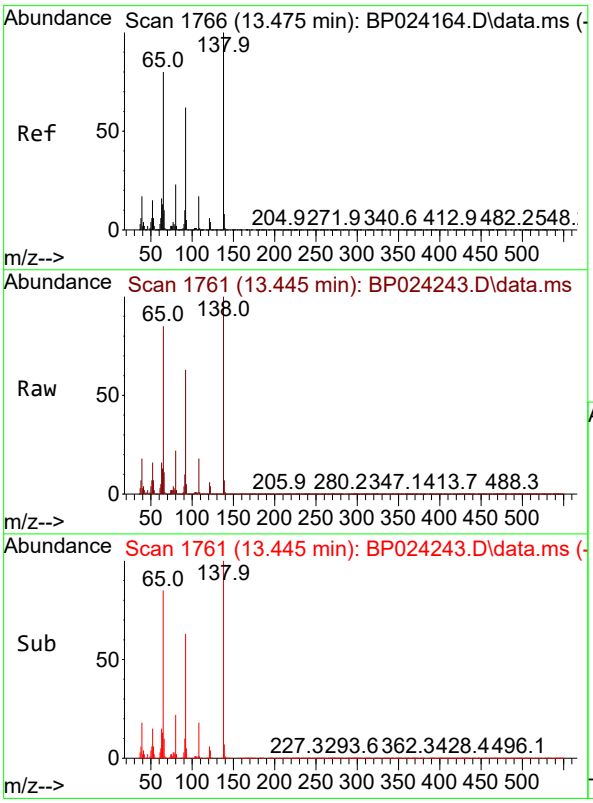

#47
2-Chloronaphthalene
Concen: 40.239 ng
RT: 13.245 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:162 Resp: 1696678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 38.9 | 31.5 | 47.3 |
| 164 | 32.5 | 26.6 | 39.8 |

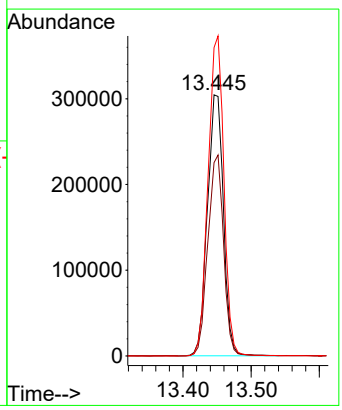


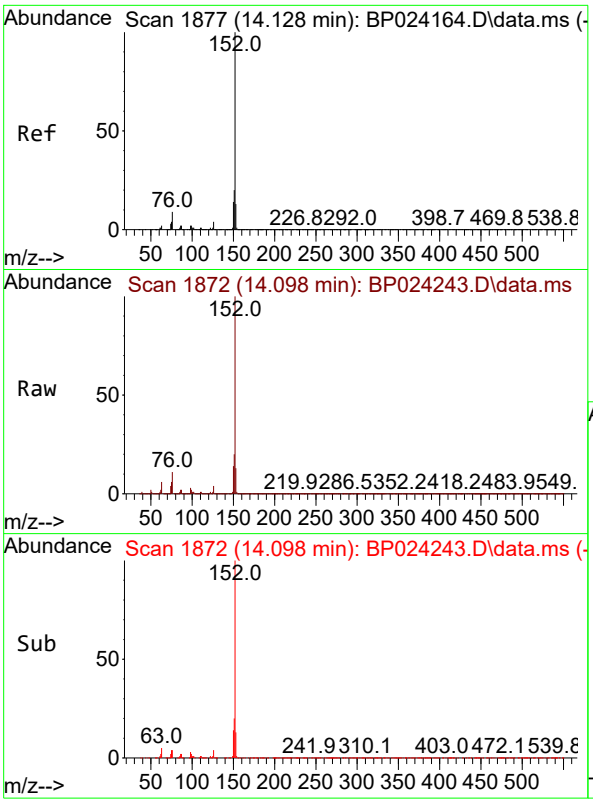




#48
2-Nitroaniline
Concen: 46.151 ng
RT: 13.445 min Scan# 1761
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion: 65 Resp: 497715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 74.0 | 62.1 | 93.1 |
| 138 | 118.0 | 99.5 | 149.3 |



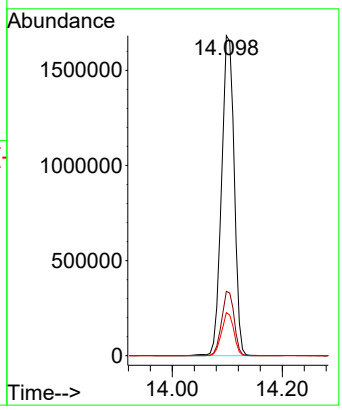


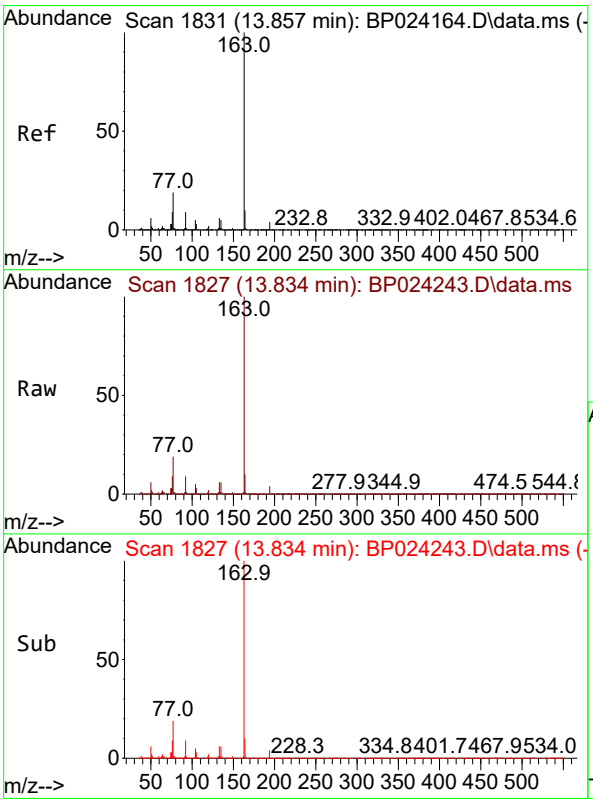

#49
Acenaphthylene
Concen: 42.011 ng
RT: 14.098 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:152 Resp: 2680313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.0 | 24.0 |
| 153 | 13.4 | 10.6 | 15.8 |

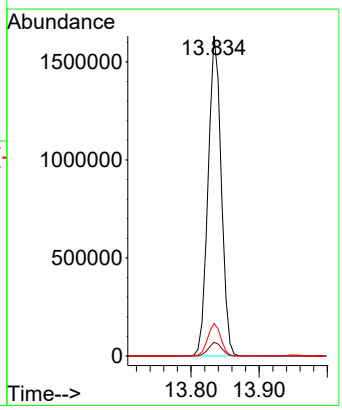


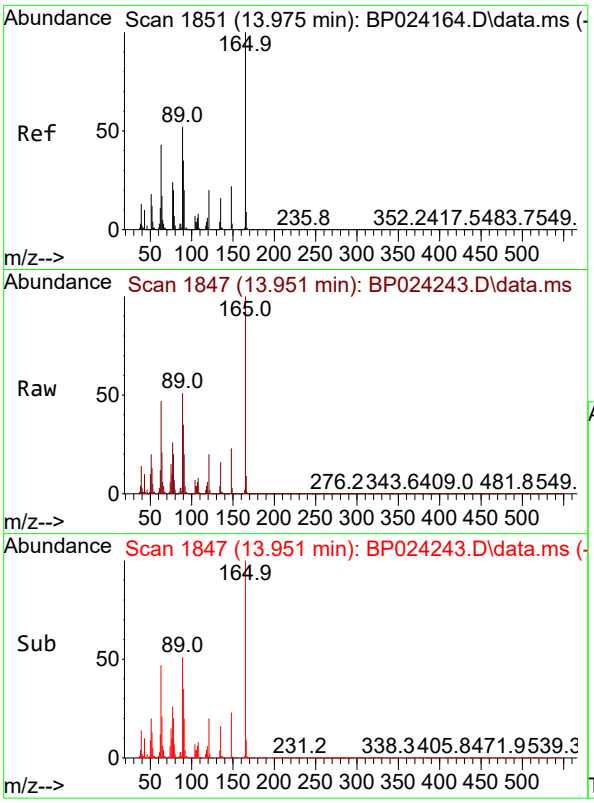




#50
Dimethylphthalate
Concen: 41.867 ng
RT: 13.834 min Scan# 1827
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:163 Resp: 2185393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.4 | 5.0 |
| 164 | 10.2 | 8.2 | 12.4 |



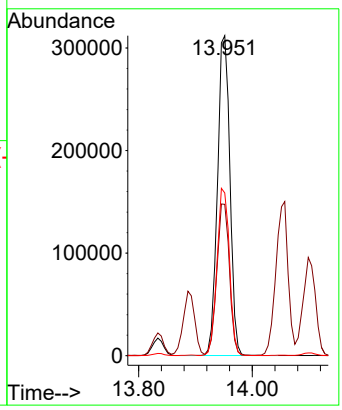


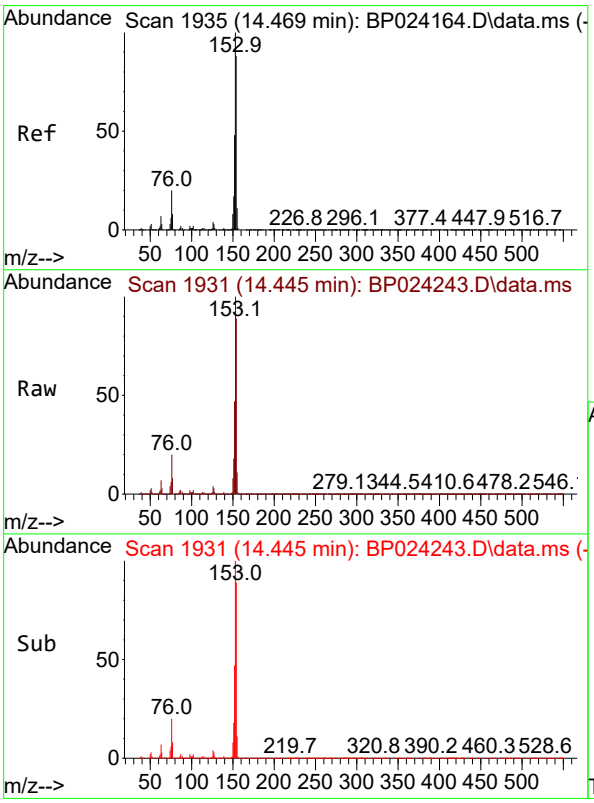

#51
2,6-Dinitrotoluene
Concen: 43.205 ng
RT: 13.951 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:165 Resp: 474506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 47.3 | 37.7 | 56.5 |
| 89 | 50.9 | 41.9 | 62.9 |

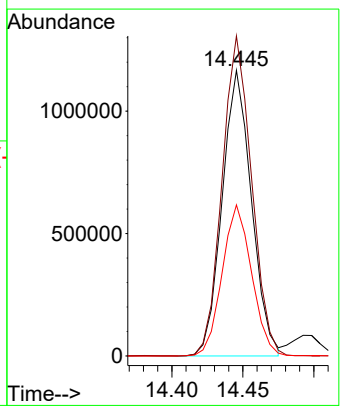


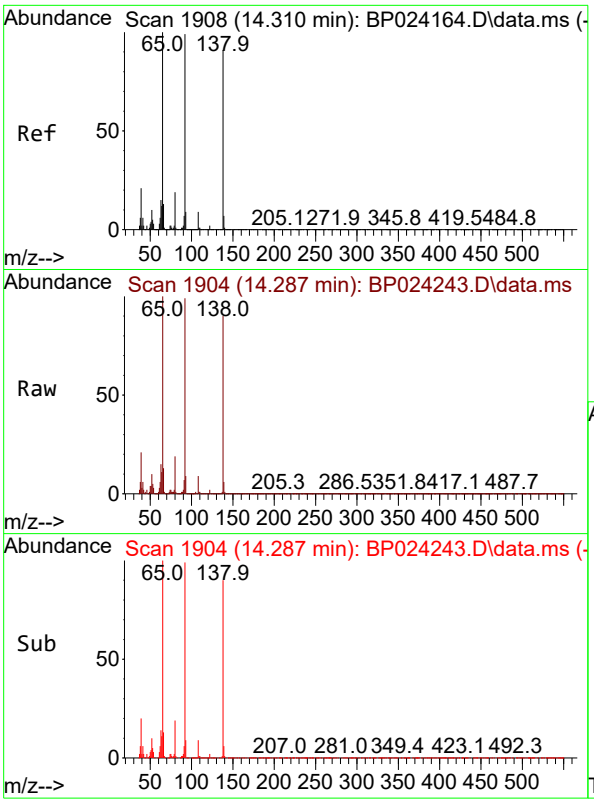




#52
Acenaphthene
Concen: 41.025 ng
RT: 14.445 min Scan# 1931
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:154 Resp: 1672351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.1 | 90.5 | 135.7 |
| 152 | 52.9 | 43.1 | 64.7 |



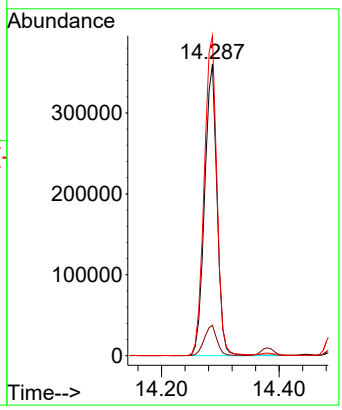


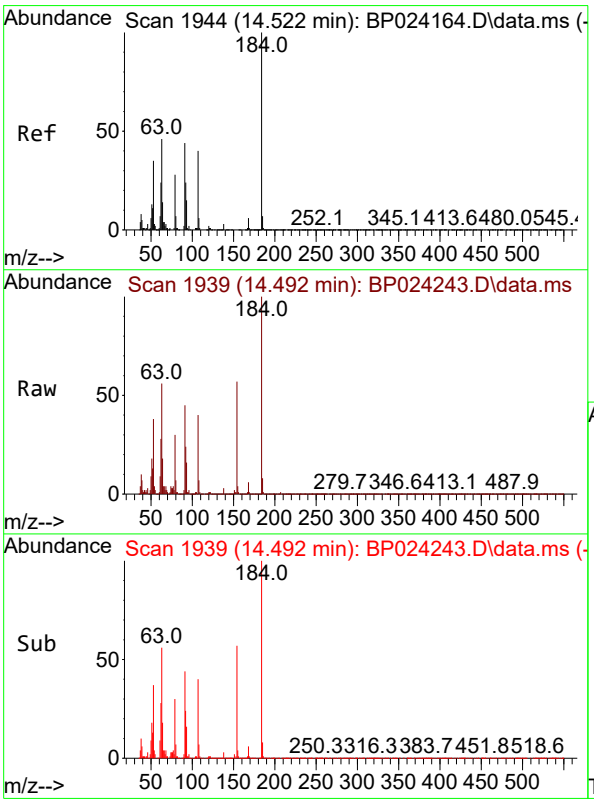

#53
3-Nitroaniline
Concen: 44.583 ng
RT: 14.287 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:138 Resp: 528847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.4 | 8.2 | 12.2 |
| 92 | 109.7 | 86.7 | 130.1 |

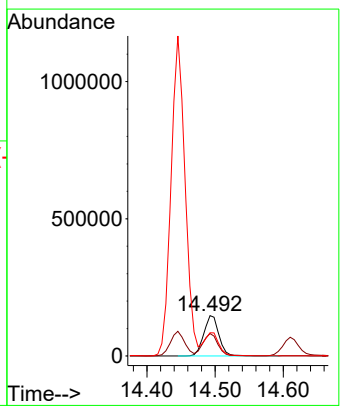


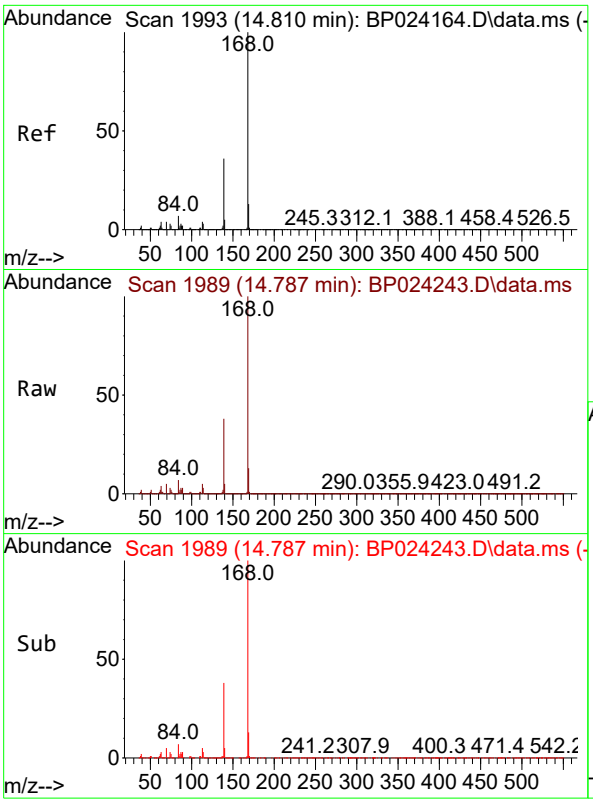




#54
2,4-Dinitrophenol
Concen: 39.089 ng
RT: 14.492 min Scan# 1939
Delta R.T. -0.030 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:184 Resp: 227159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 55.7 | 42.1 | 63.1 |
| 154 | 57.4 | 44.6 | 67.0 |



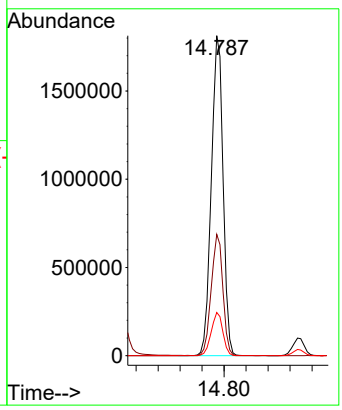


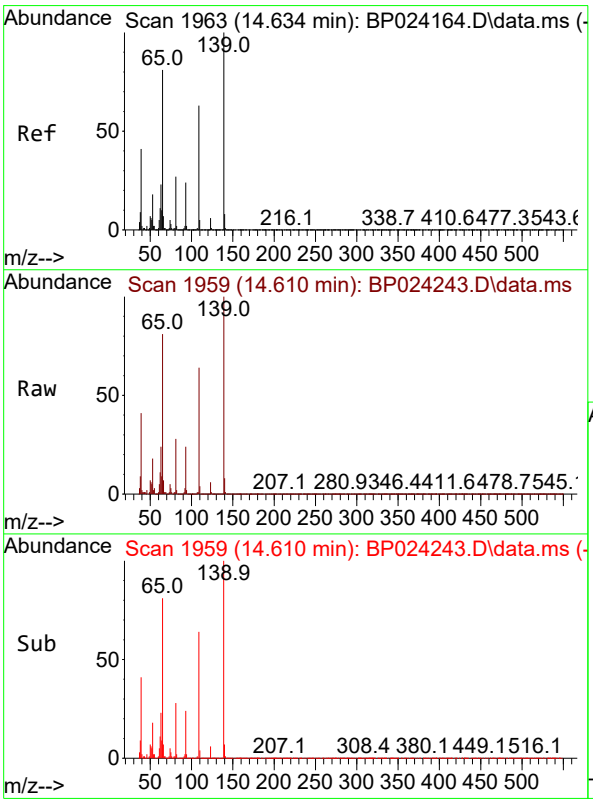

#55
Dibenzofuran
Concen: 40.673 ng
RT: 14.787 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:168 Resp: 2685626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.9 | 29.1 | 43.7 |
| 169 | 13.5 | 10.8 | 16.2 |

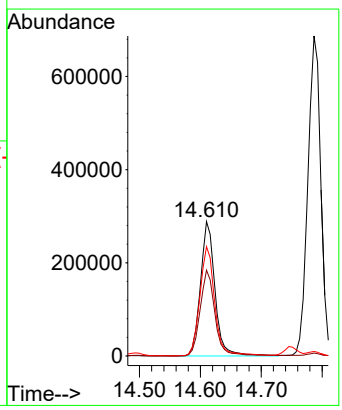


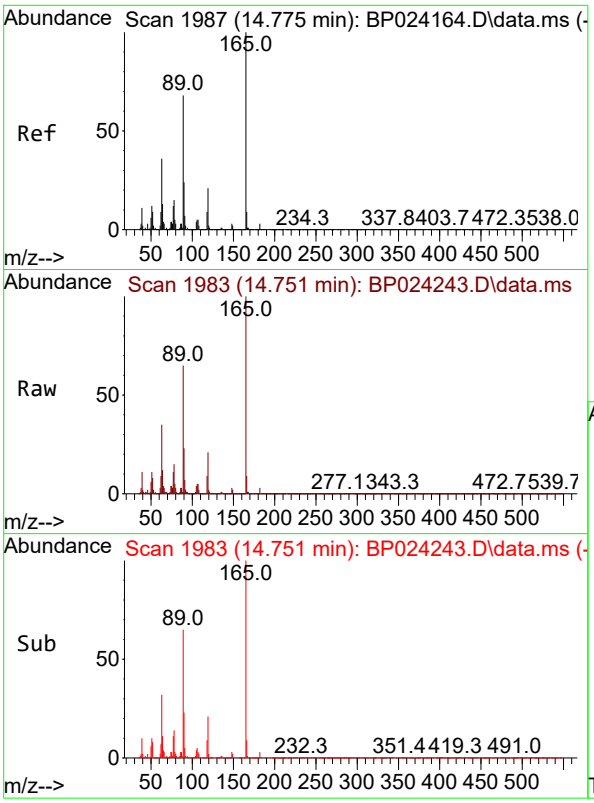




#56
4-Nitrophenol
Concen: 48.367 ng
RT: 14.610 min Scan# 1959
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:139 Resp: 479403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 63.8 | 43.3 | 83.3 |
| 65 | 81.2 | 61.2 | 101.2 |



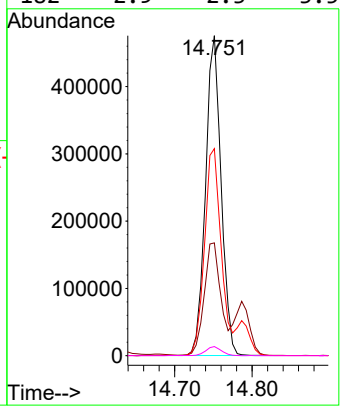


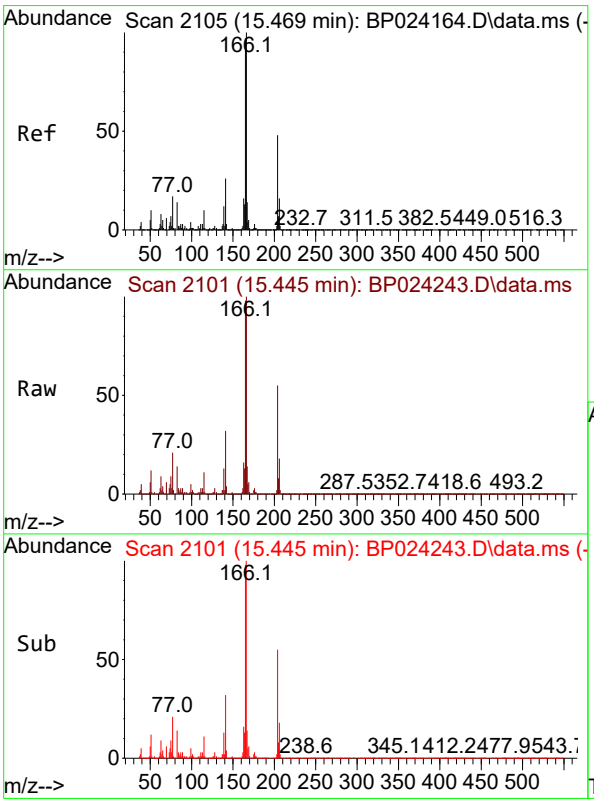

#57
2,4-Dinitrotoluene
Concen: 45.693 ng
RT: 14.751 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:165 Resp: 662877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 35.2 | 29.0 | 43.6 |
| 89 | 64.7 | 54.2 | 81.4 |
| 182 | 2.9 | 2.3 | 3.5 |

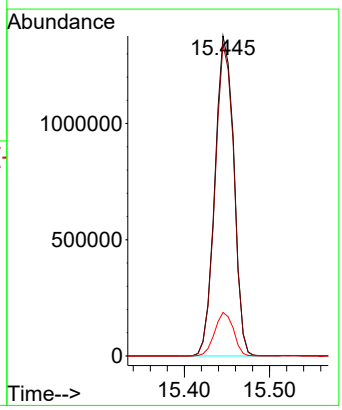


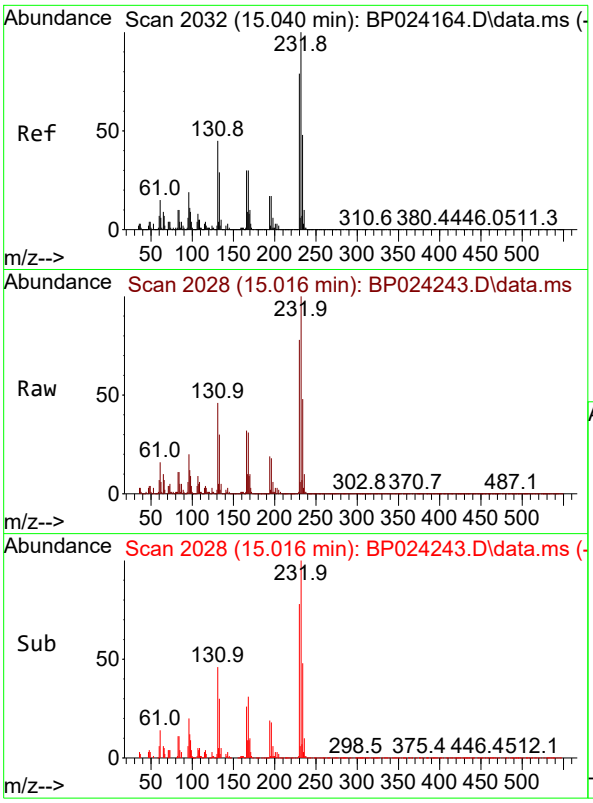




#58
Fluorene
Concen: 41.301 ng
RT: 15.445 min Scan# 2101
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:166 Resp: 2124806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.6 | 77.6 | 116.4 |
| 167 | 13.6 | 10.8 | 16.2 |



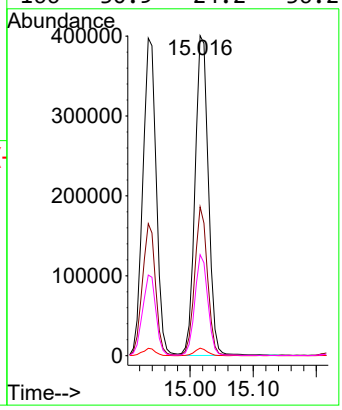


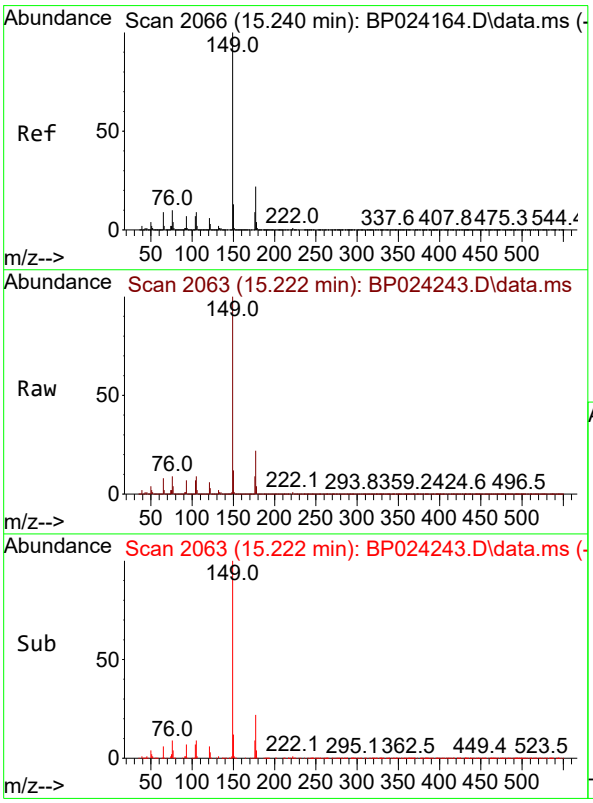

#59
2,3,4,6-Tetrachlorophenol
Concen: 44.009 ng
RT: 15.016 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:232 Resp: 584379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 44.9 | 35.9 | 53.9 |
| 130 | 2.2 | 1.8 | 2.6 |
| 166 | 30.9 | 24.2 | 36.2 |

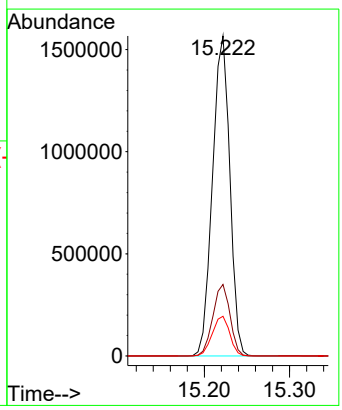


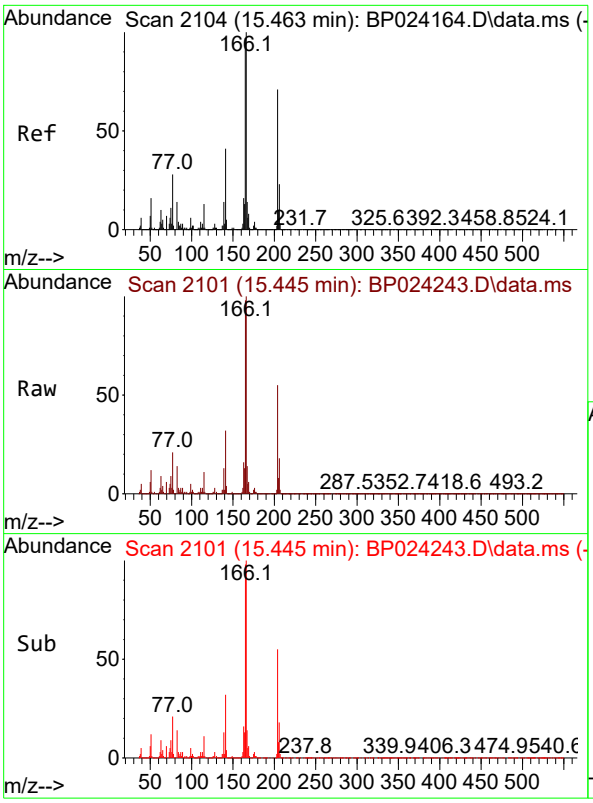




#60
Diethylphthalate
Concen: 42.507 ng
RT: 15.222 min Scan# 2063
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:149 Resp: 2209545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.4 | 17.7 | 26.5 |
| 150 | 12.4 | 10.2 | 15.4 |



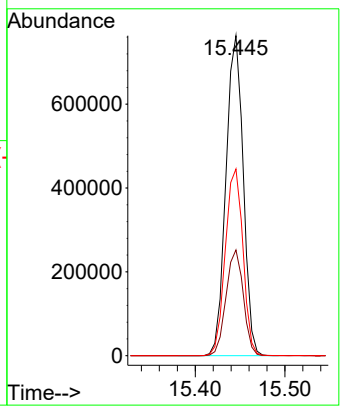


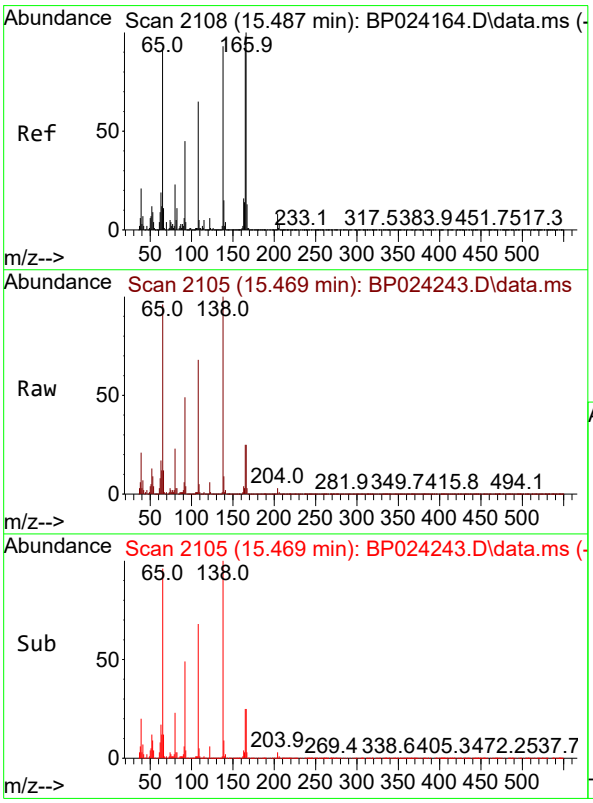

#61
4-Chlorophenyl-phenylether
Concen: 40.466 ng
RT: 15.445 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:204 Resp: 1021081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.0 | 26.4 | 39.6 |
| 141 | 58.3 | 45.8 | 68.8 |

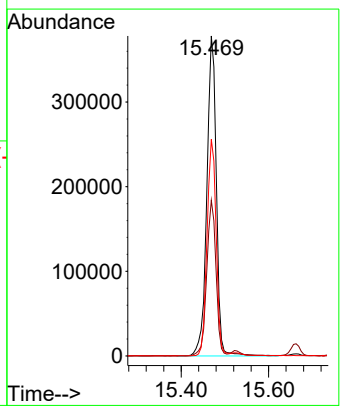


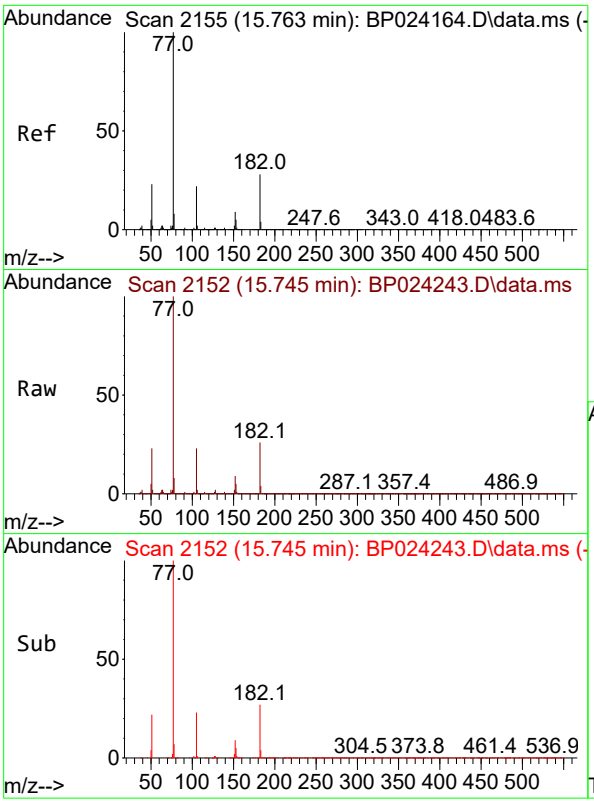




#62
4-Nitroaniline
Concen: 46.082 ng
RT: 15.469 min Scan# 2105
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:138 Resp: 573319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 48.7 | 28.7 | 68.7 |
| 108 | 67.7 | 49.5 | 89.5 |



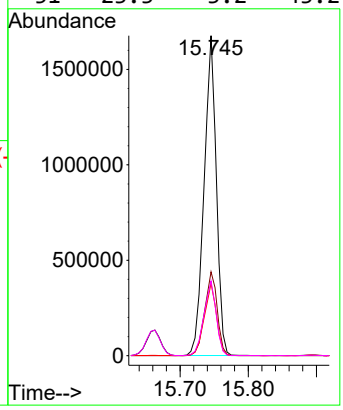


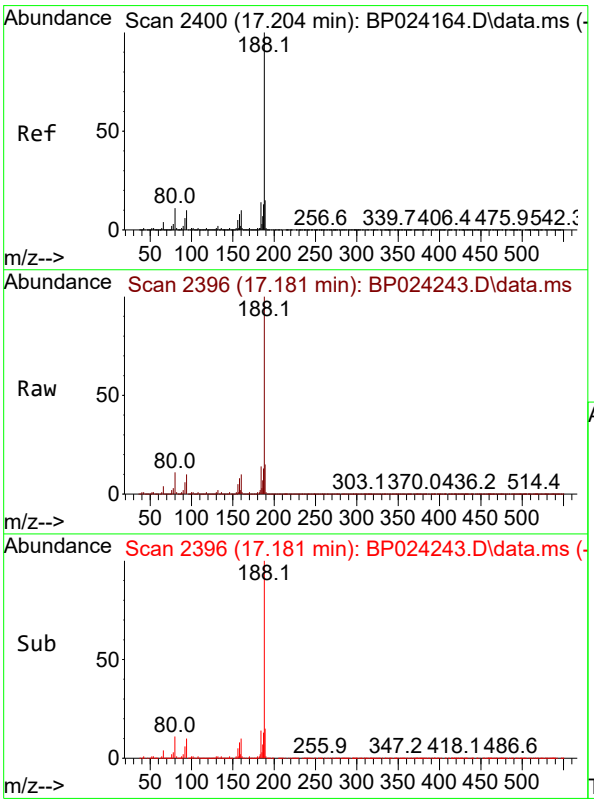

#63
Azobenzene
Concen: 42.713 ng
RT: 15.745 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 77 Resp: 2092657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.2 | 7.7 | 47.7 |
| 105 | 22.6 | 2.3 | 42.3 |
| 51 | 23.3 | 3.2 | 43.2 |

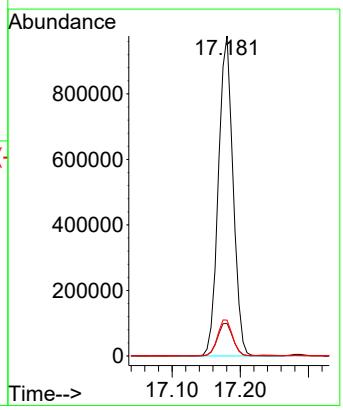


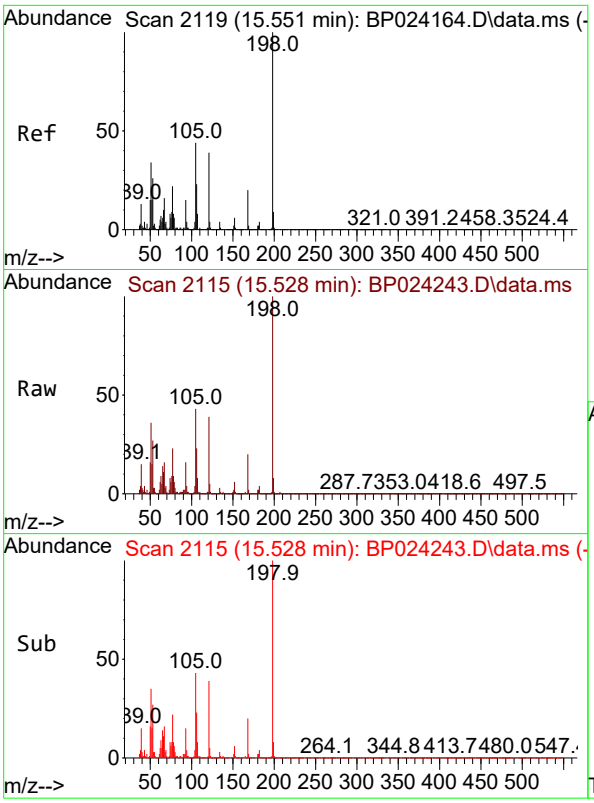




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.181 min Scan# 2396
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:188 Resp: 1461391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.2 | 8.1 | 12.1 |
| 80 | 11.2 | 8.9 | 13.3 |



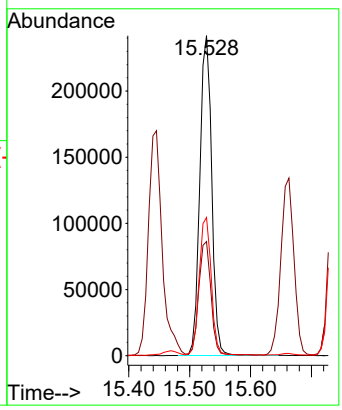


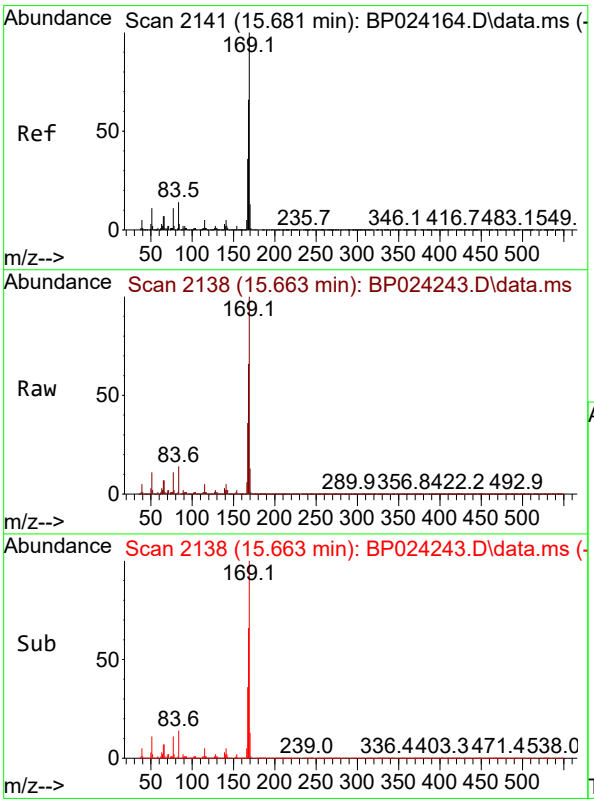

#65
4,6-Dinitro-2-methylphenol
Concen: 37.697 ng
RT: 15.528 min Scan# 21
Delta R.T. -0.023 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:198 Resp: 327048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 35.7 | 14.7 | 54.7 |
| 105 | 43.2 | 23.8 | 63.8 |

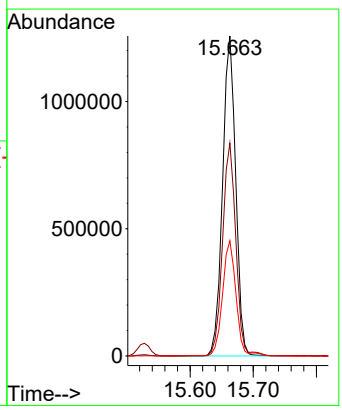


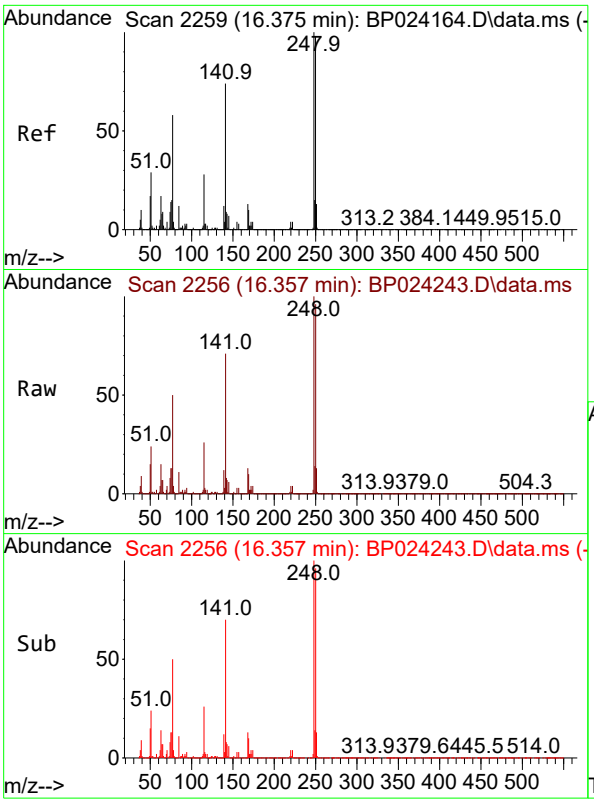




#66
n-Nitrosodiphenylamine
Concen: 40.878 ng
RT: 15.663 min Scan# 2138
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:169 Resp: 1814075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.5 | 52.9 | 79.3 |
| 167 | 36.0 | 28.8 | 43.2 |



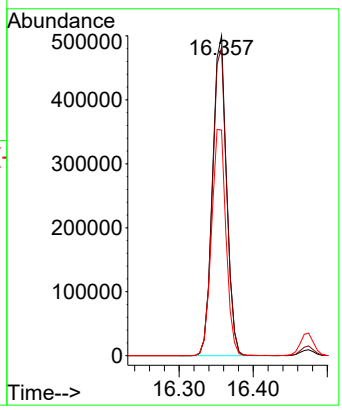


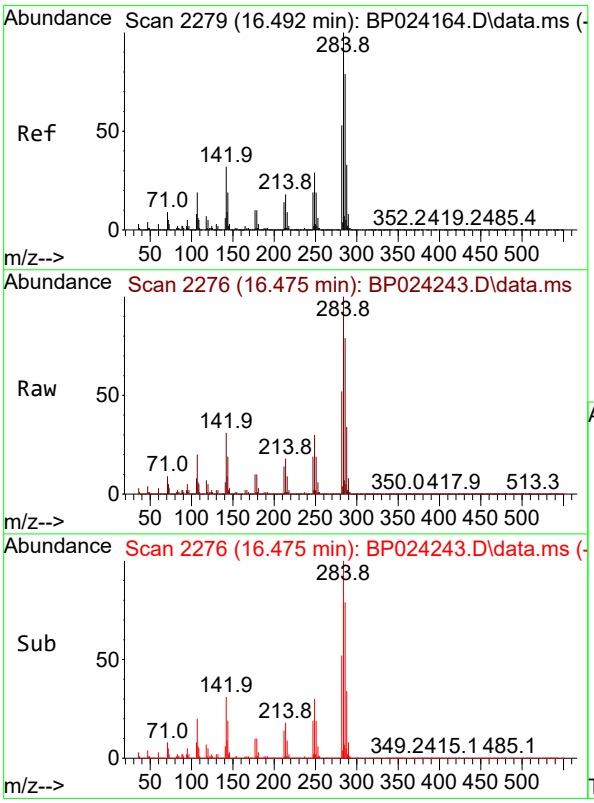

#67
4-Bromophenyl-phenylether
Concen: 40.979 ng
RT: 16.357 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:248 Resp: 657498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.4 | 78.4 | 117.6 |
| 141 | 70.5 | 59.4 | 89.0 |

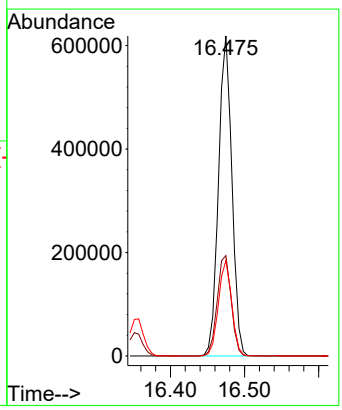


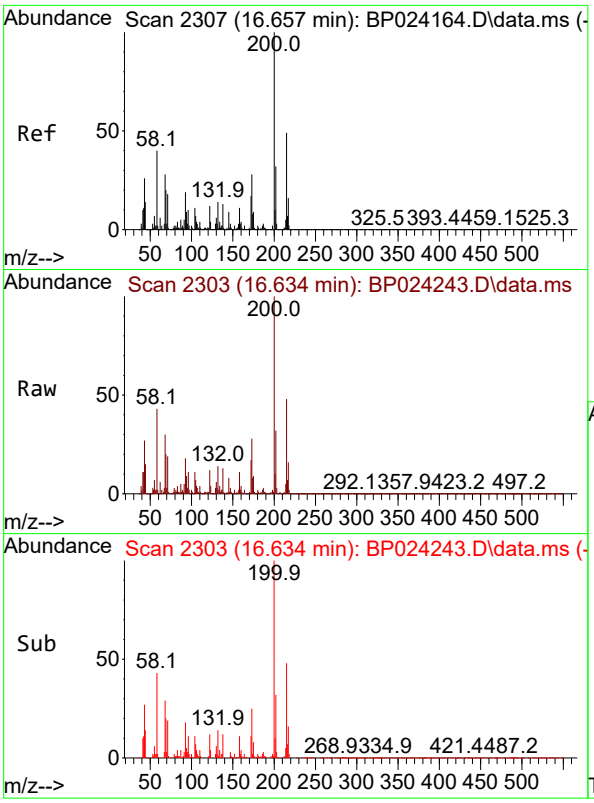




#68
Hexachlorobenzene
Concen: 40.888 ng
RT: 16.475 min Scan# 2276
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:284 Resp: 776475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.4 | 25.4 | 38.2 |
| 249 | 29.8 | 23.5 | 35.3 |



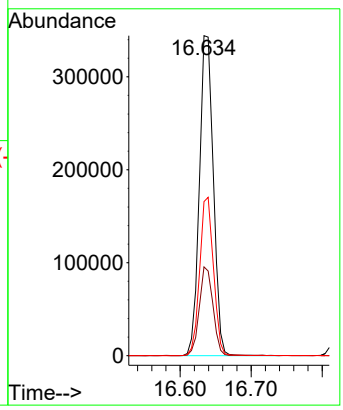


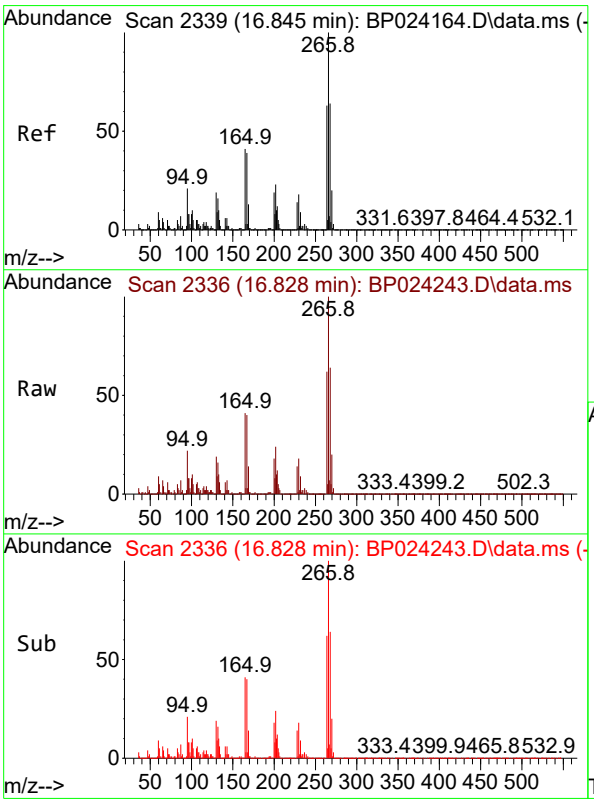

#69
Atrazine
Concen: 44.117 ng
RT: 16.634 min Scan# 2
Delta R.T. -0.023 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:200 Resp: 472555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.8 | 7.6 | 47.6 |
| 215 | 48.2 | 29.0 | 69.0 |

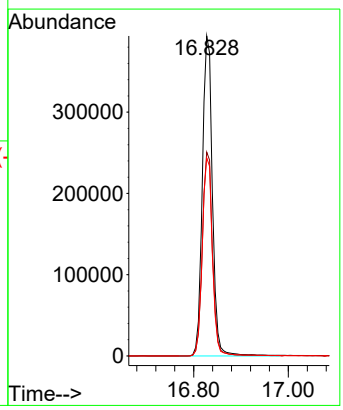


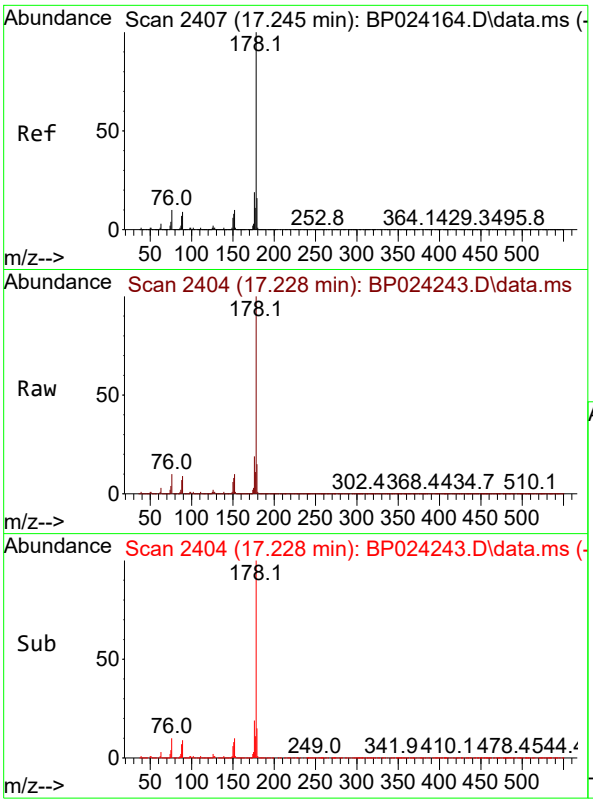




#70
Pentachlorophenol
Concen: 47.363 ng
RT: 16.828 min Scan# 2336
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:266 Resp: 581658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.7 | 51.3 | 76.9 |
| 264 | 61.9 | 50.6 | 76.0 |



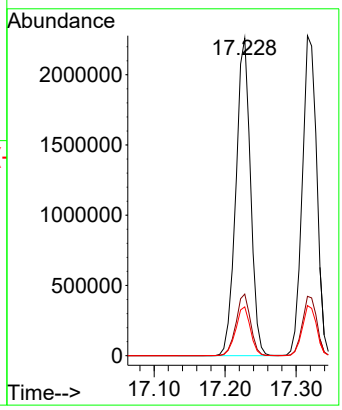


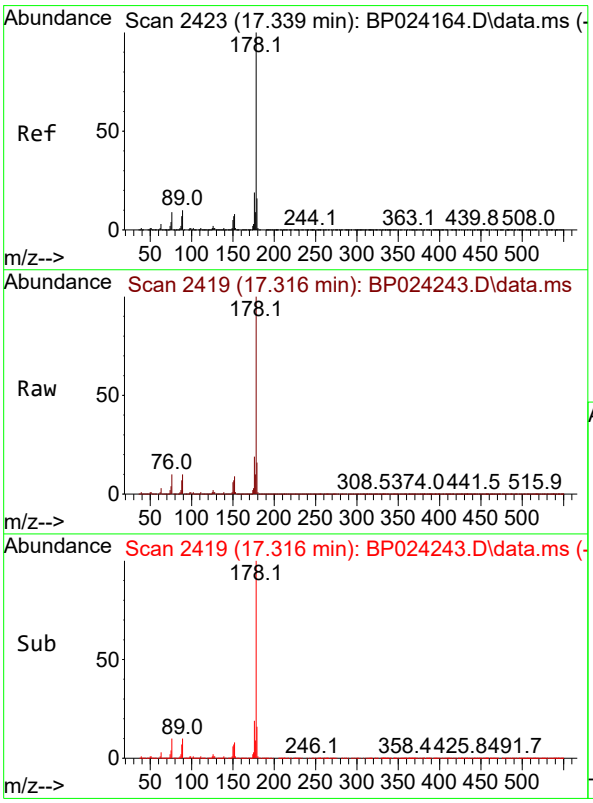

#71
Phenanthrene
Concen: 40.488 ng
RT: 17.228 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:178 Resp: 3232332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 15.6 | 23.4 |
| 179 | 15.4 | 12.5 | 18.7 |

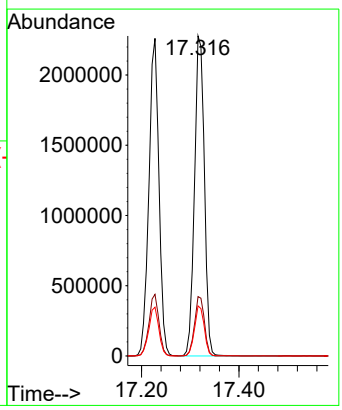


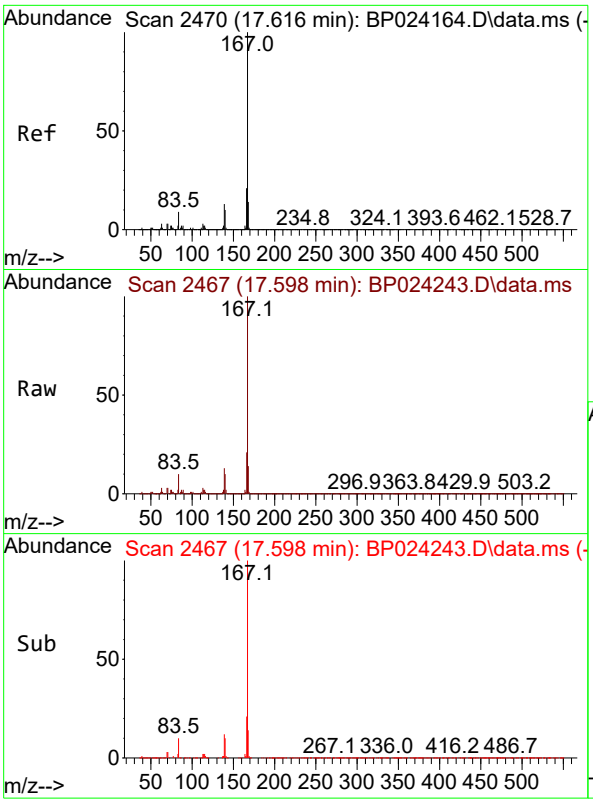




#72
Anthracene
Concen: 41.462 ng
RT: 17.316 min Scan# 2419
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:178 Resp: 3223966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 15.2 | 22.8 |
| 179 | 15.6 | 12.6 | 18.8 |



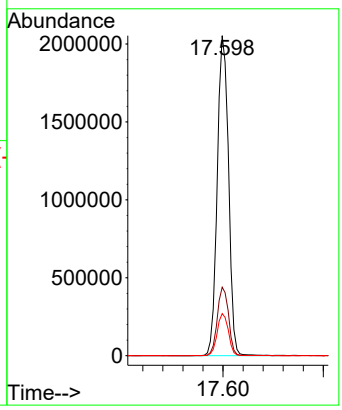


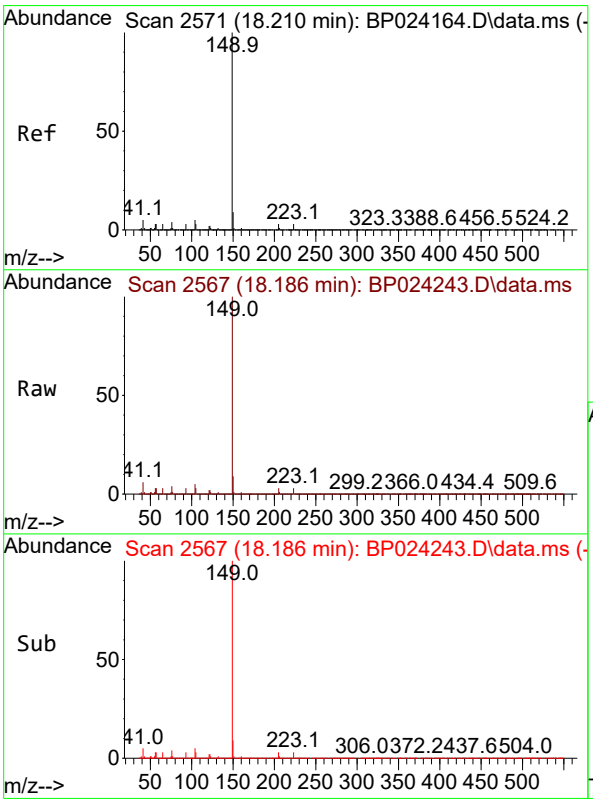

#73
Carbazole
Concen: 42.628 ng
RT: 17.598 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:167 Resp: 3196479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.4 | 17.1 | 25.7 |
| 139 | 13.1 | 10.2 | 15.4 |

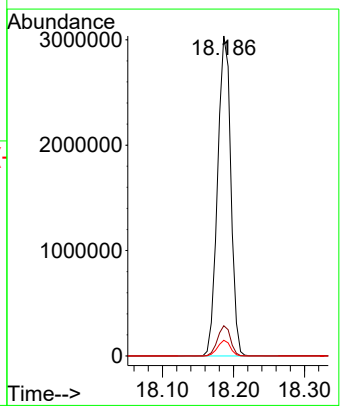


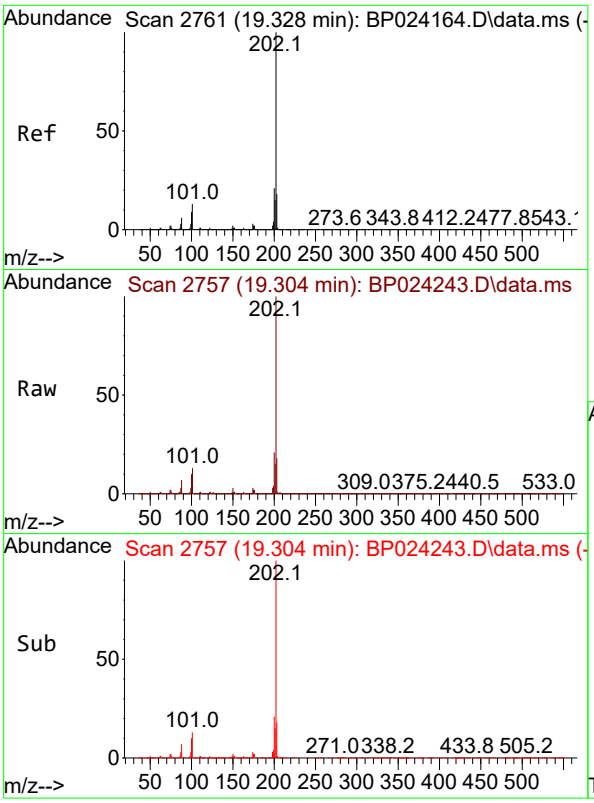




#74
Di-n-butylphthalate
Concen: 43.854 ng
RT: 18.186 min Scan# 2567
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:149 Resp: 3903701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.4 | 7.6 | 11.4 |
| 104 | 4.9 | 3.9 | 5.9 |



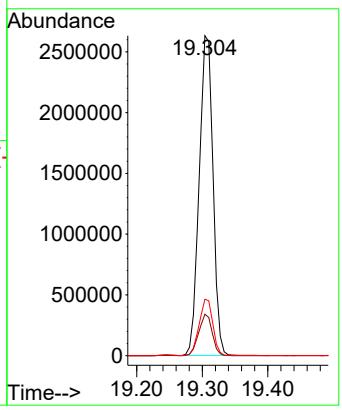


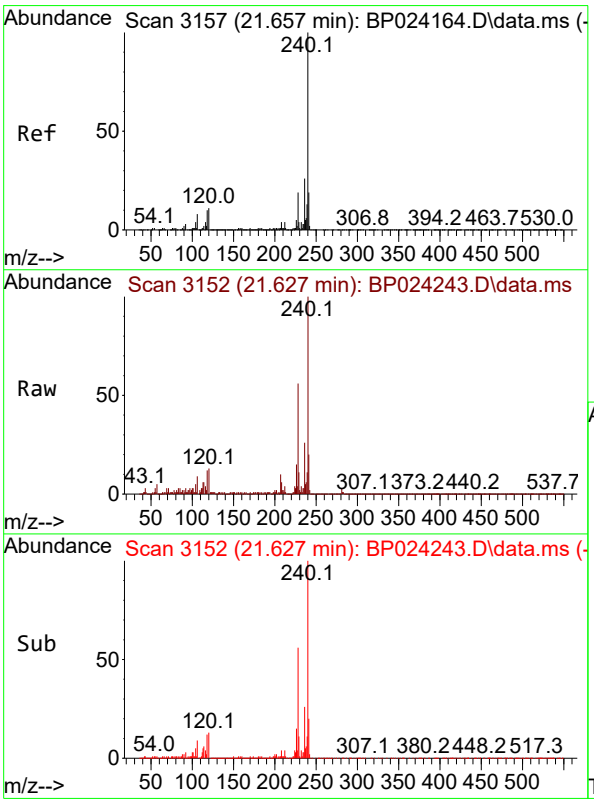

#75
Fluoranthene
Concen: 41.850 ng
RT: 19.304 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:202 Resp: 3869566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.0 | 0.0 | 32.5 |
| 203 | 17.6 | 0.0 | 37.9 |

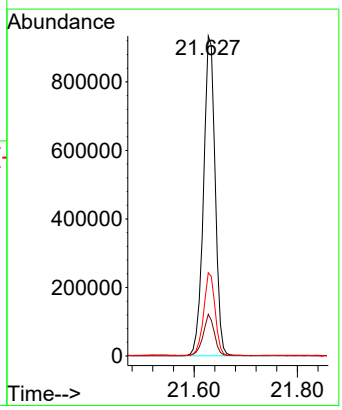


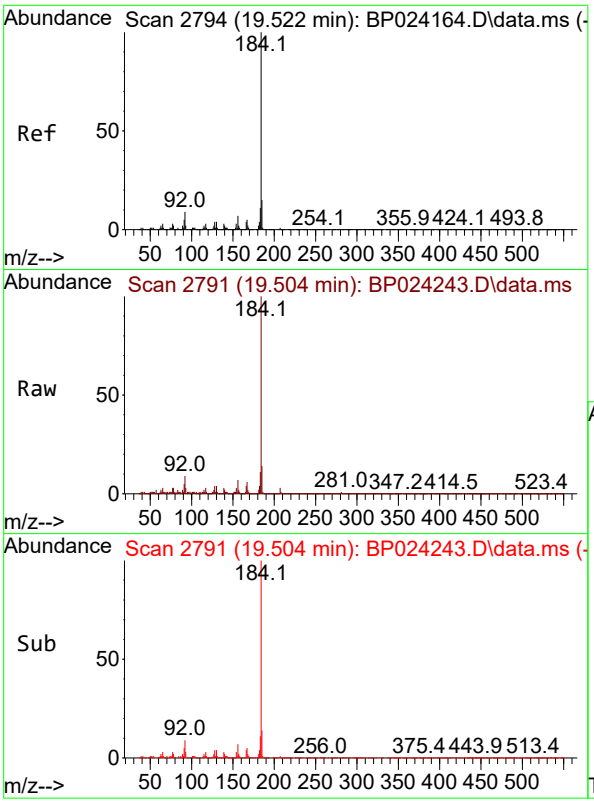




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.627 min Scan# 3152
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:240 Resp: 1456577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.0 | 9.2 | 13.8 |
| 236 | 26.0 | 20.4 | 30.6 |



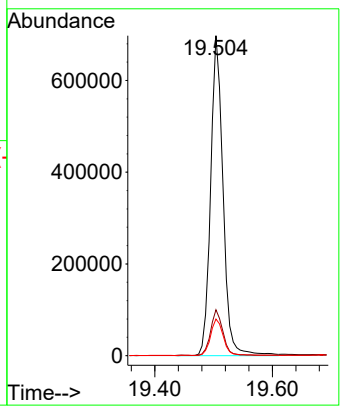


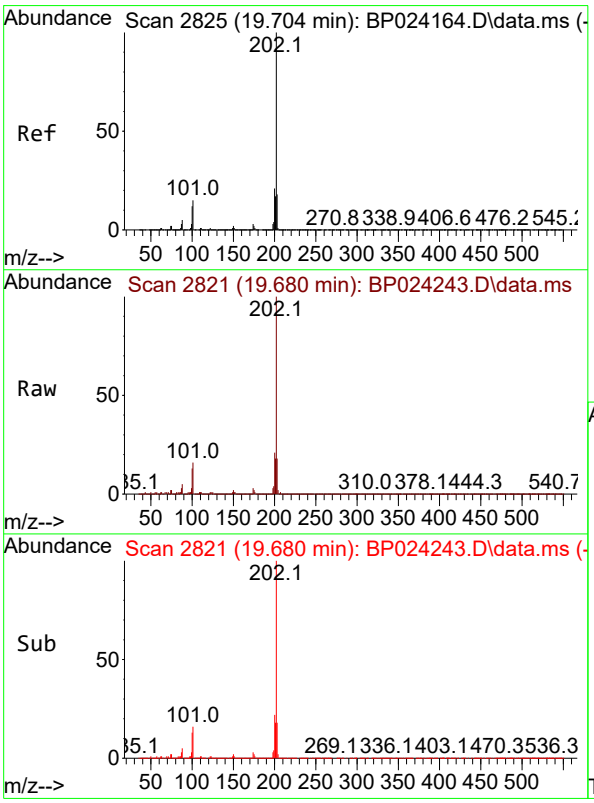

#77
Benzidine
Concen: 64.100 ng
RT: 19.504 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:184 Resp: 1020809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.4 | 11.8 | 17.6 |
| 183 | 11.5 | 9.1 | 13.7 |

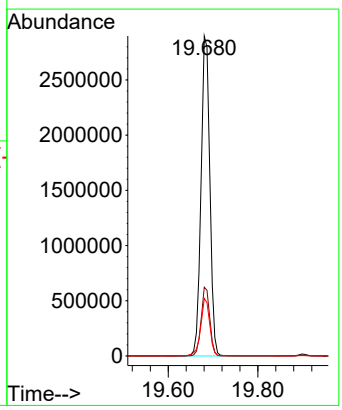


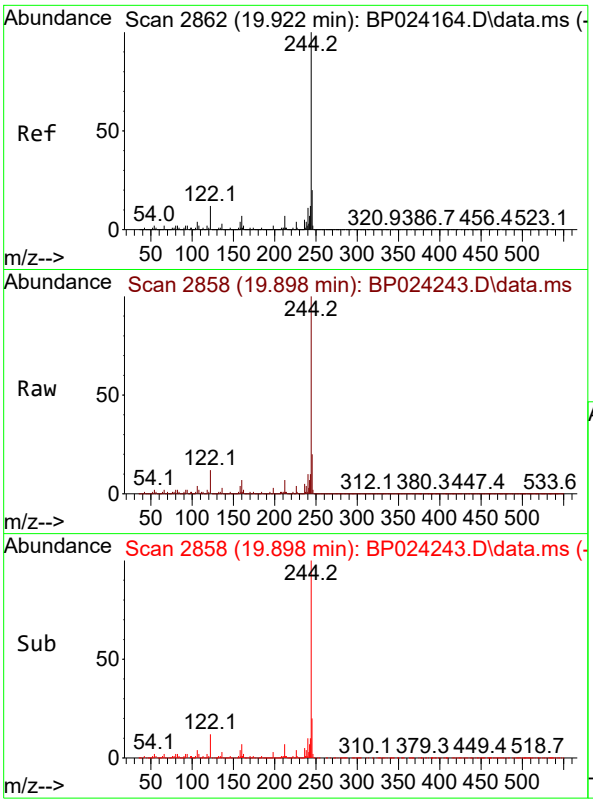




#78
Pyrene
Concen: 43.543 ng
RT: 19.680 min Scan# 2821
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:202 Resp: 3942980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.5 | 17.1 | 25.7 |
| 203 | 18.0 | 14.2 | 21.4 |



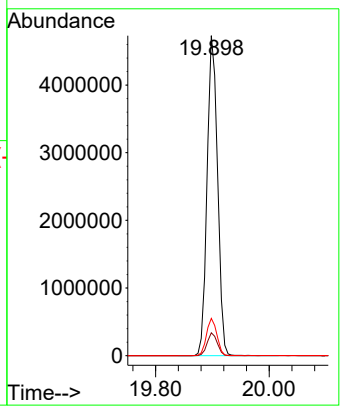


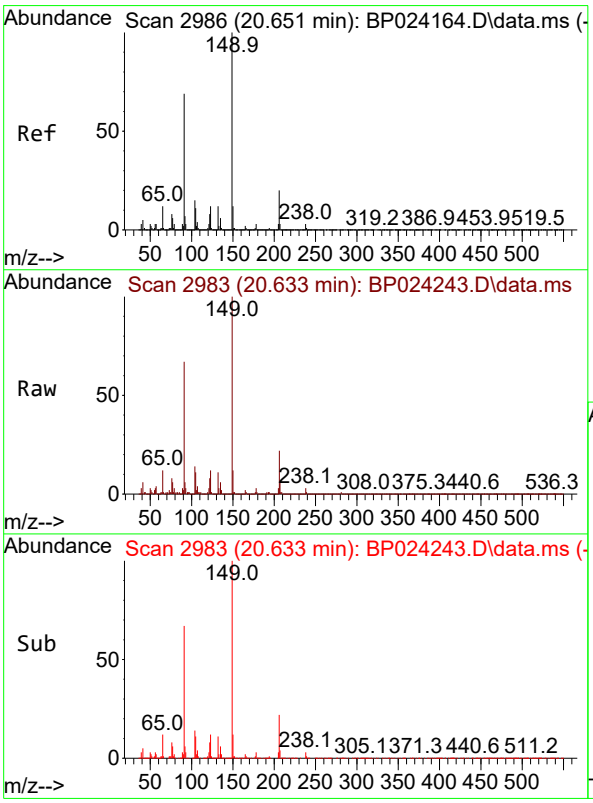

#79
Terphenyl-d14
Concen: 85.292 ng
RT: 19.898 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:244 Resp: 6018426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.7 | 8.5 |
| 122 | 11.6 | 9.6 | 14.4 |

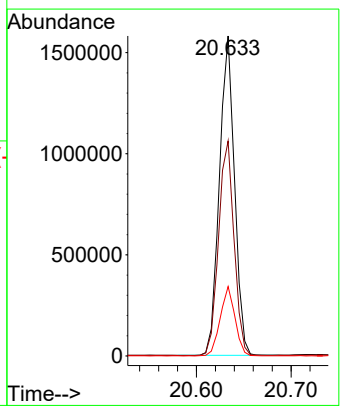


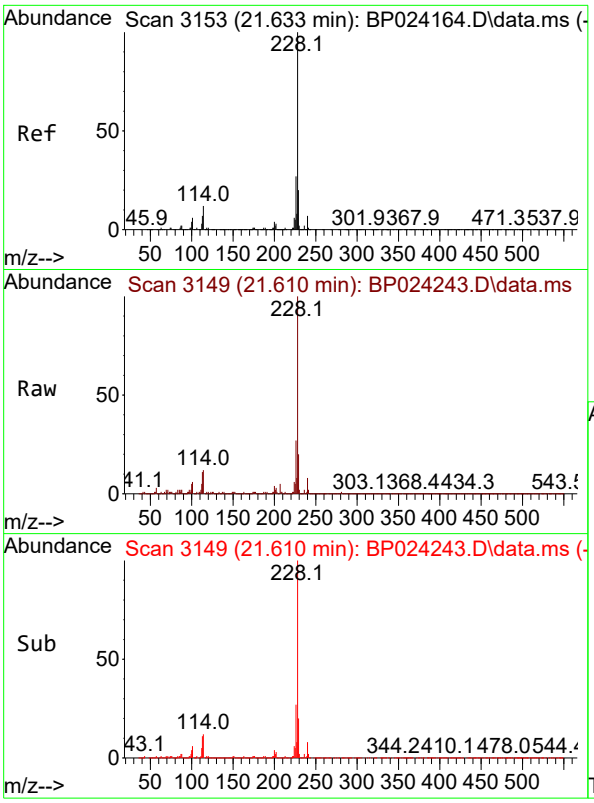




#80
Butylbenzylphthalate
Concen: 47.019 ng
RT: 20.633 min Scan# 2983
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:149 Resp: 1755848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 67.2 | 55.3 | 82.9 |
| 206 | 21.7 | 16.1 | 24.1 |



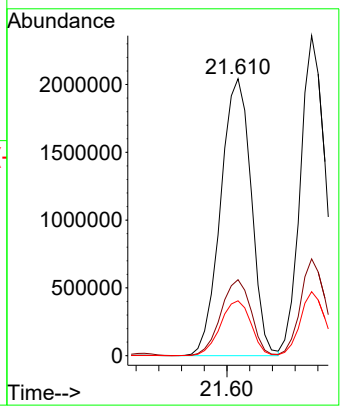


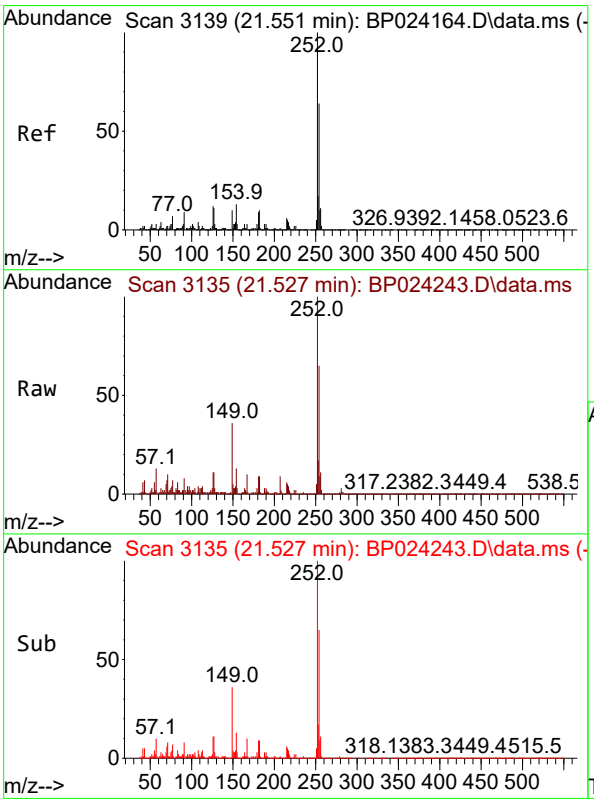

#81
Benzo(a)anthracene
Concen: 42.216 ng
RT: 21.610 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:228 Resp: 3823065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.5 | 21.8 | 32.8 |
| 229 | 19.8 | 16.0 | 24.0 |

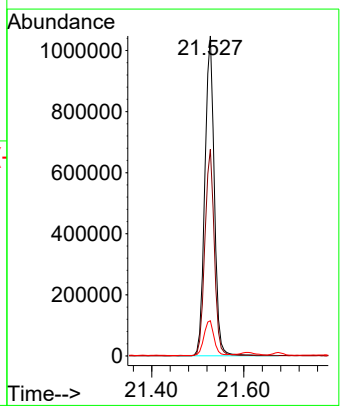


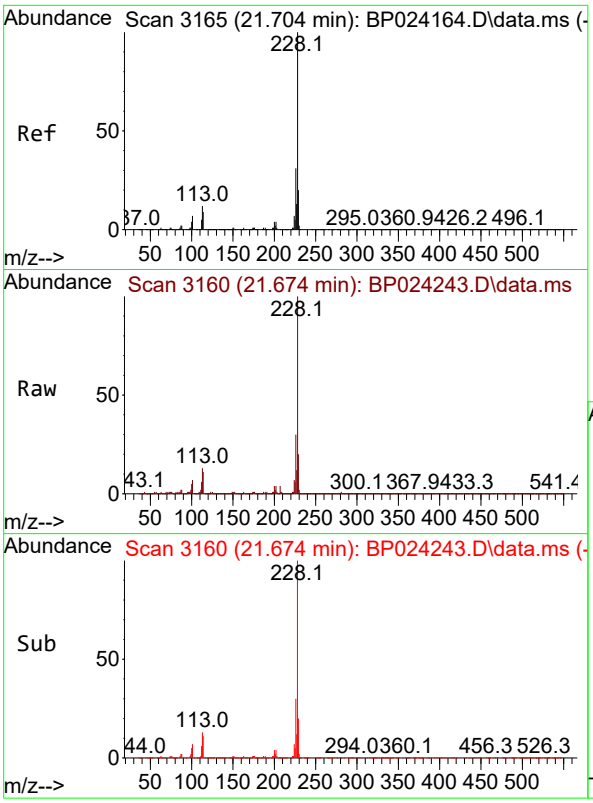




#82
3,3'-Dichlorobenzidine
Concen: 49.574 ng
RT: 21.527 min Scan# 3135
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:252 Resp: 1504645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.6 | 51.4 | 77.2 |
| 126 | 11.0 | 9.3 | 13.9 |



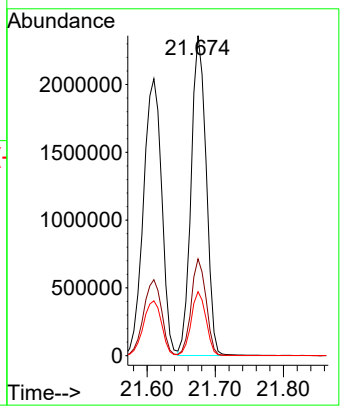


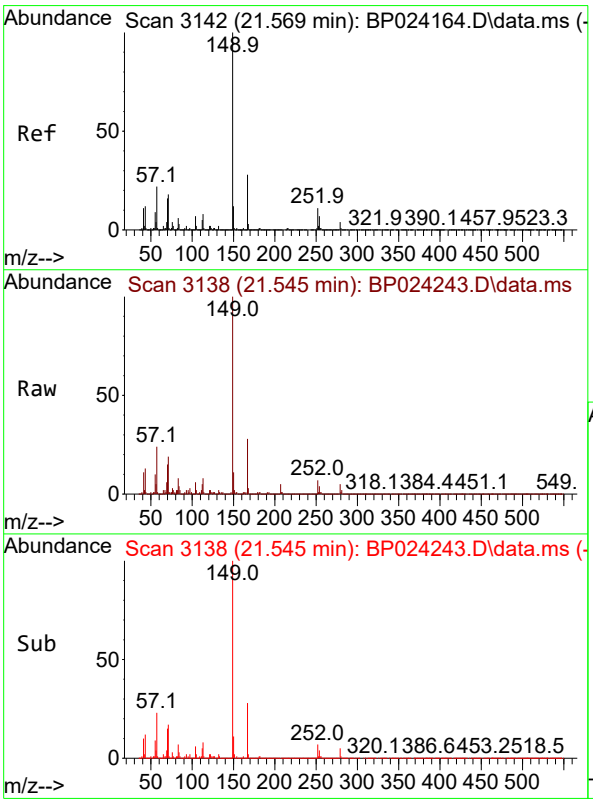

#83
Chrysene
Concen: 41.237 ng
RT: 21.674 min Scan# 3
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:228 Resp: 3589965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 24.5 | 36.7 |
| 229 | 20.0 | 16.2 | 24.2 |

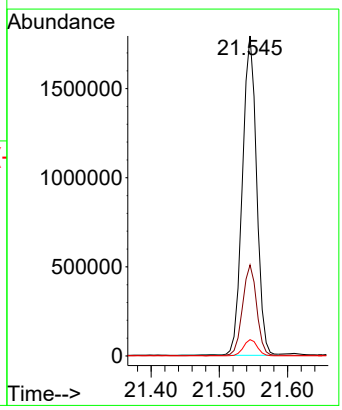


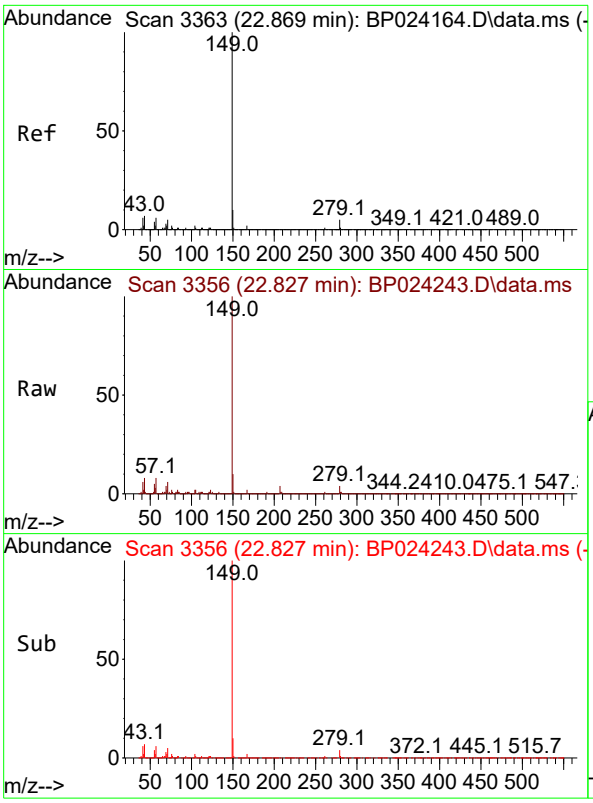




#84
Bis(2-ethylhexyl)phthalate
Concen: 45.881 ng
RT: 21.545 min Scan# 3138
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:149 Resp: 2585259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.4 | 22.5 | 33.7 |
| 279 | 5.1 | 3.6 | 5.4 |



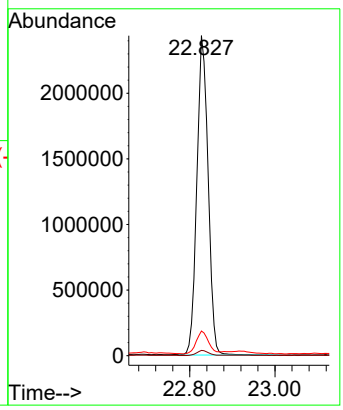


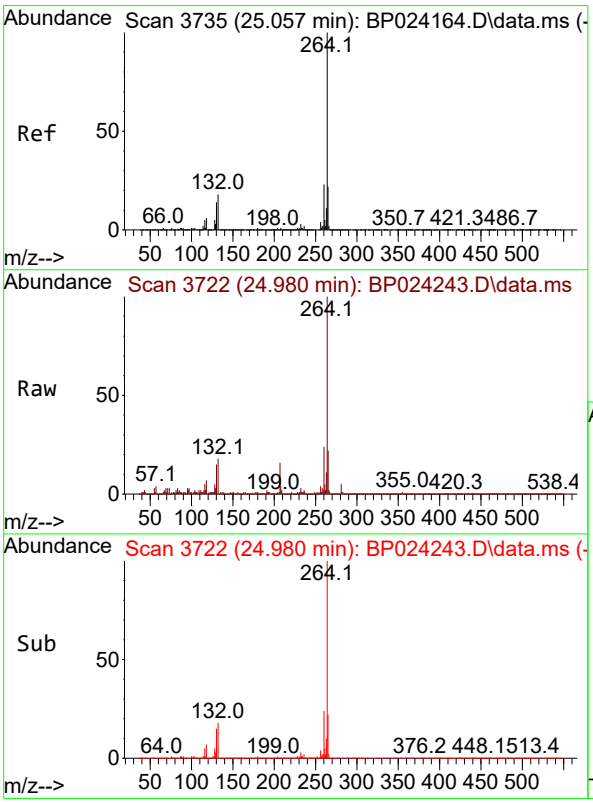

#85
Di-n-octyl phthalate
Concen: 49.446 ng
RT: 22.827 min Scan# 3
Delta R.T. -0.041 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:149 Resp: 4463969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 7.8 | 5.8 | 8.8 |

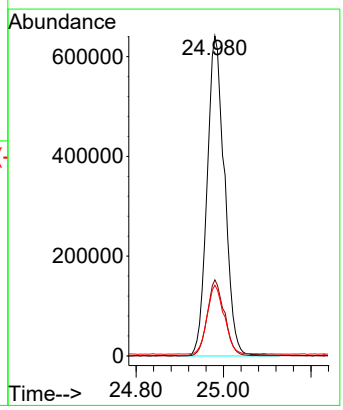


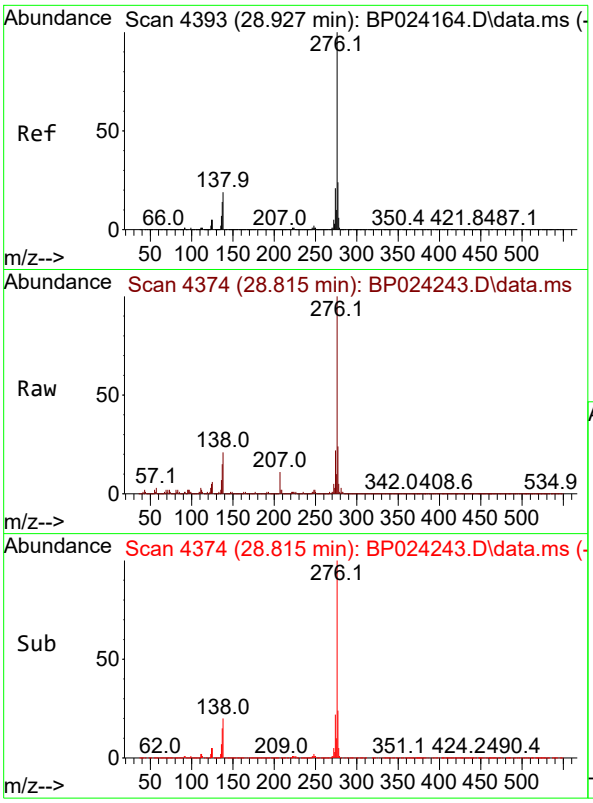




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.980 min Scan# 3722
Delta R.T. -0.077 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:264 Resp: 1774706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 18.5 | 27.7 |
| 265 | 22.1 | 17.7 | 26.5 |



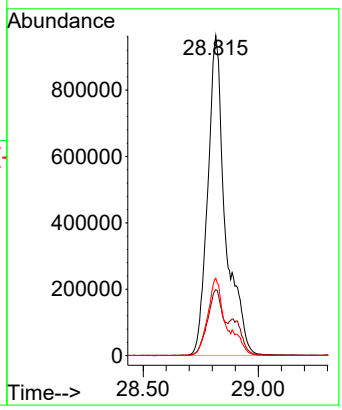


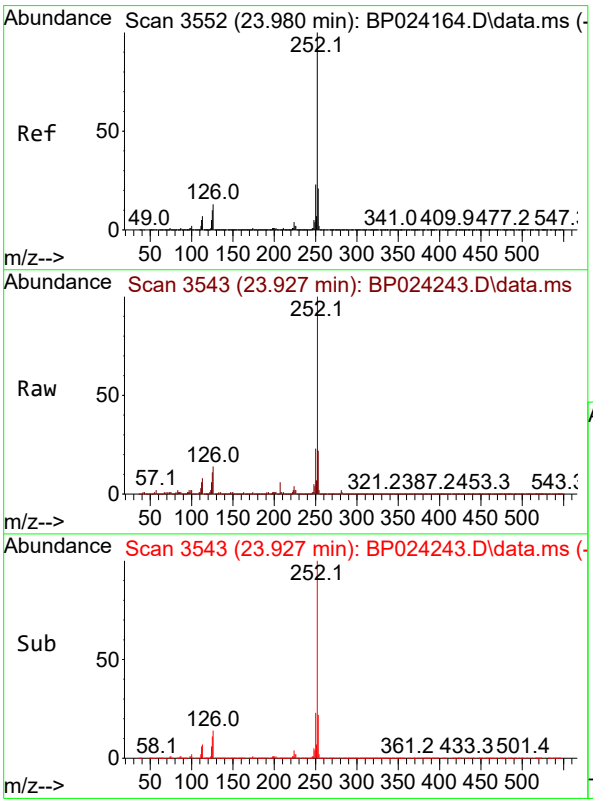

#87
Indeno(1,2,3-cd)pyrene
Concen: 41.648 ng
RT: 28.815 min Scan# 4
Delta R.T. -0.112 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:276 Resp: 5158569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.2 | 13.7 | 20.5 |
| 277 | 21.1 | 20.2 | 30.2 |

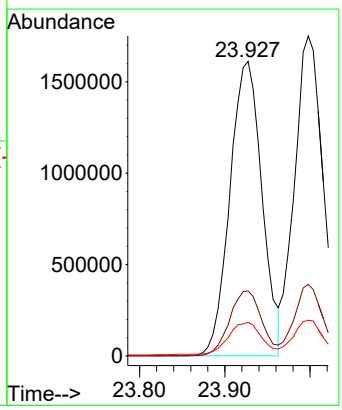


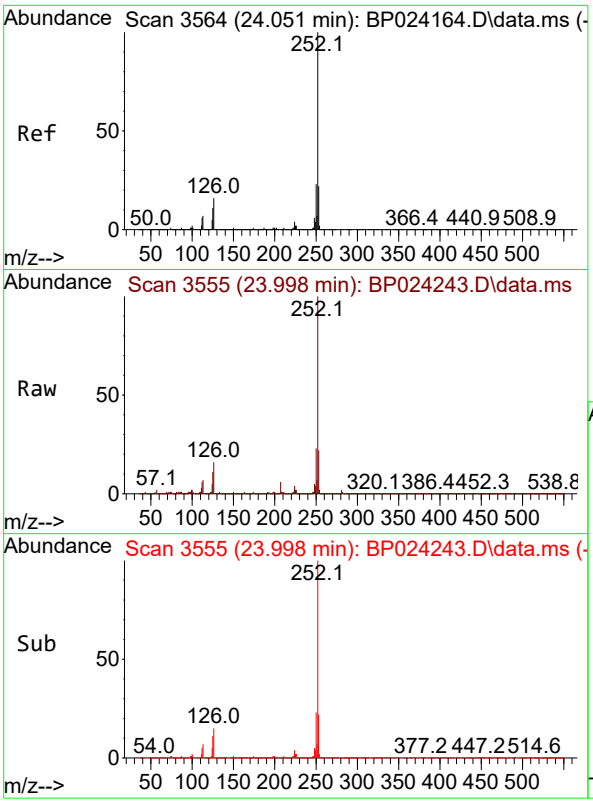




#88
Benzo(b)fluoranthene
Concen: 39.463 ng
RT: 23.927 min Scan# 3543
Delta R.T. -0.053 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:252 Resp: 4222660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.2 | 25.8 |
| 125 | 11.4 | 8.2 | 12.4 |



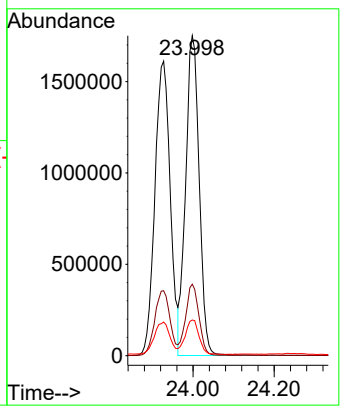


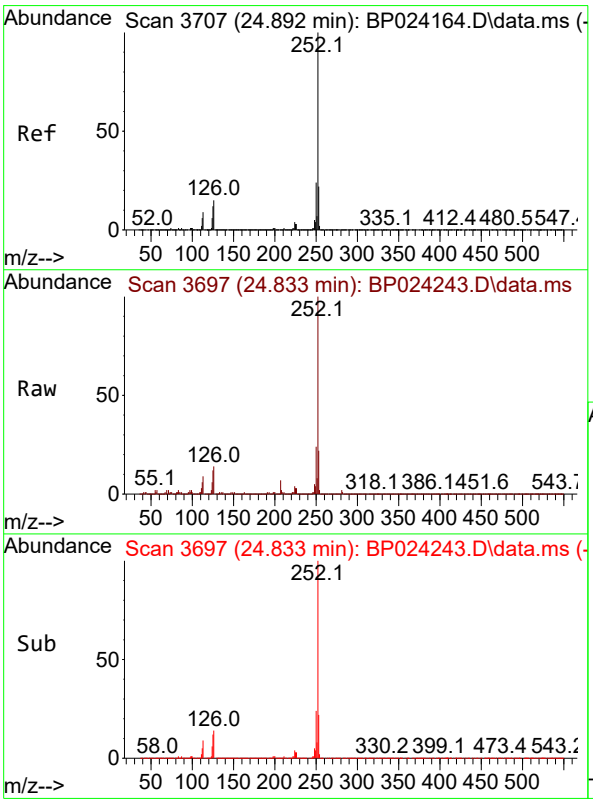

#89
Benzo(k)fluoranthene
Concen: 38.797 ng
RT: 23.998 min Scan# 3
Delta R.T. -0.053 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:252 Resp: 4060841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 17.7 | 26.5 |
| 125 | 11.1 | 9.1 | 13.7 |

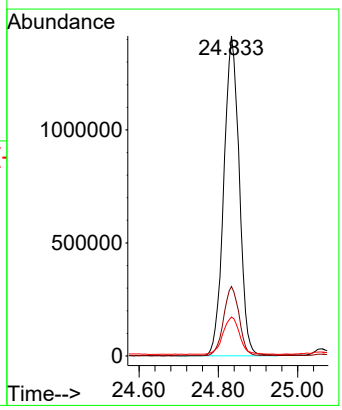


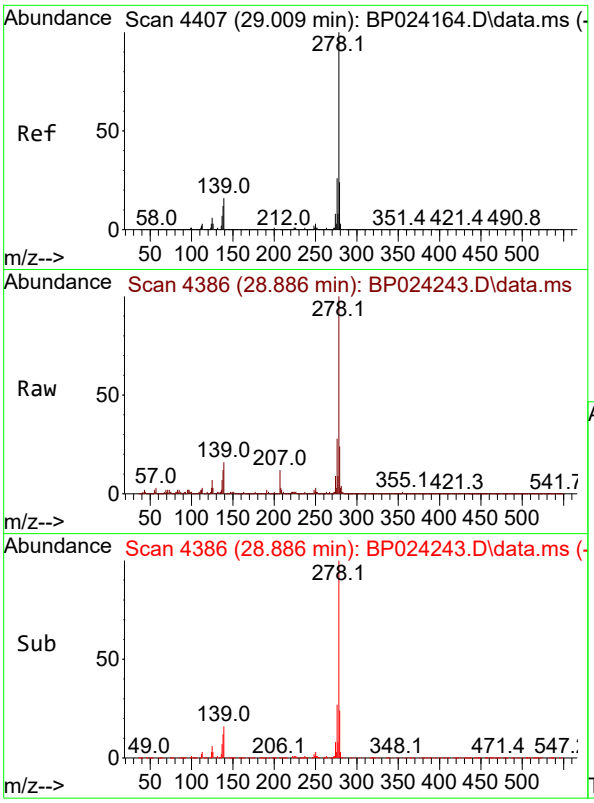




#90
Benzo(a)pyrene
Concen: 41.077 ng
RT: 24.833 min Scan# 3697
Delta R.T. -0.059 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:252 Resp: 3822119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.4 | 26.0 |
| 125 | 12.1 | 9.6 | 14.4 |



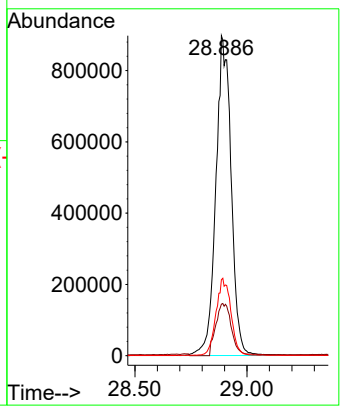


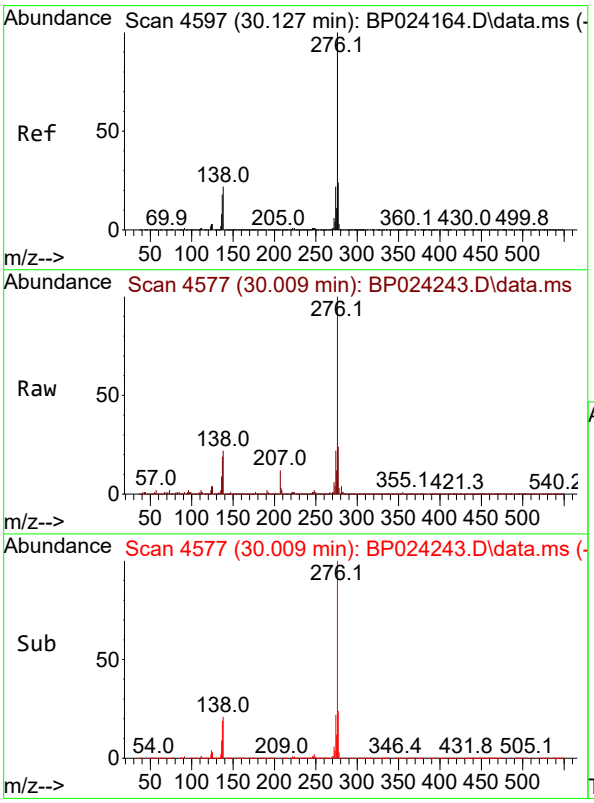

#91
Dibenzo(a,h)anthracene
Concen: 41.295 ng
RT: 28.886 min Scan# 4
Delta R.T. -0.124 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:278 Resp: 4255246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.1 | 13.0 | 19.4 |
| 279 | 23.8 | 18.8 | 28.2 |

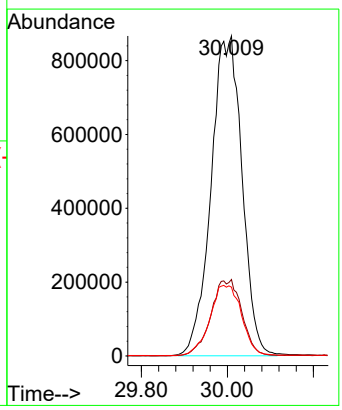



#92
Benzo(g,h,i)perylene
Concen: 41.245 ng m
RT: 30.009 min Scan# 4577
Delta R.T. -0.118 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:276 Resp: 4320475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.9 | 19.2 | 28.8 |
| 138 | 21.5 | 17.4 | 26.2 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024243.D
Acq On : 09 Apr 2025 20:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Apr 10 01:01:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 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 | 75 | -0.03 |
| 2 | | 1,4-Dioxane | 0.497 | 0.507 | -2.0 | 81 | -0.02 |
| 3 | | Pyridine | 1.358 | 1.378 | -1.5 | 79 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.454 | 0.456 | -0.4 | 79 | -0.02 |
| 5 | S | 2-Fluorophenol | 1.253 | 1.314 | -4.9 | 81 | -0.02 |
| 6 | | Aniline | 1.527 | 1.587 | -3.9 | 80 | -0.03 |
| 7 | S | Phenol-d6 | 1.675 | 1.750 | -4.5 | 80 | -0.02 |
| 8 | | 2-Chlorophenol | 1.353 | 1.406 | -3.9 | 81 | -0.03 |
| 9 | | Benzaldehyde | 0.809 | 0.906 | -12.0 | 87 | -0.03 |
| 10 | C | Phenol | 1.691 | 1.751 | -3.5 | 81 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 1.334 | 1.331 | 0.2 | 78 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 1.459 | 1.490 | -2.1 | 80 | -0.03 |
| 13 | C | 1,4-Dichlorobenzene | 1.490 | 1.501 | -0.7 | 80 | -0.04 |
| 14 | | 1,2-Dichlorobenzene | 1.430 | 1.444 | -1.0 | 80 | -0.03 |
| 15 | | Benzyl Alcohol | 1.061 | 1.160 | -9.3 | 83 | -0.03 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.361 | 1.377 | -1.2 | 80 | -0.04 |
| 17 | | 2-Methylphenol | 1.061 | 1.128 | -6.3 | 81 | -0.03 |
| 18 | | Hexachloroethane | 0.529 | 0.539 | -1.9 | 80 | -0.03 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.972 | 1.022 | -5.1 | 80 | -0.03 |
| 20 | | 3+4-Methylphenols | 1.457 | 1.572 | -7.9 | 82 | -0.03 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 76 | -0.03 |
| 22 | | Acetophenone | 0.506 | 0.520 | -2.8 | 80 | -0.03 |
| 23 | S | Nitrobenzene-d5 | 0.354 | 0.369 | -4.2 | 80 | -0.03 |
| 24 | | Nitrobenzene | 0.350 | 0.364 | -4.0 | 81 | -0.03 |
| 25 | | Isophorone | 0.608 | 0.663 | -9.0 | 84 | -0.03 |
| 26 | C | 2-Nitrophenol | 0.167 | 0.188 | -12.6 | 84 | -0.03 |
| 27 | | 2,4-Dimethylphenol | 0.215 | 0.231 | -7.4 | 82 | -0.03 |
| 28 | | bis(2-Chloroethoxy)methane | 0.427 | 0.435 | -1.9 | 79 | -0.03 |
| 29 | C | 2,4-Dichlorophenol | 0.291 | 0.316 | -8.6 | 81 | -0.03 |
| 30 | | 1,2,4-Trichlorobenzene | 0.321 | 0.325 | -1.2 | 79 | -0.03 |
| 31 | | Naphthalene | 1.060 | 1.091 | -2.9 | 80 | -0.03 |
| 32 | | Benzoic acid | 0.209 | 0.280 | -34.0# | 97 | -0.03 |
| 33 | | 4-Chloroaniline | 0.379 | 0.413 | -9.0 | 83 | -0.03 |
| 34 | C | Hexachlorobutadiene | 0.185 | 0.188 | -1.6 | 79 | -0.04 |
| 35 | | Caprolactam | 0.095 | 0.118 | -24.2 | 92 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 0.313 | 0.361 | -15.3 | 87 | -0.03 |
| 37 | | 2-Methylnaphthalene | 0.716 | 0.753 | -5.2 | 81 | -0.02 |
| 38 | | 1-Methylnaphthalene | 0.697 | 0.733 | -5.2 | 83 | -0.03 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 80 | -0.02 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.578 | 0.567 | 1.9 | 81 | -0.03 |
| 41 | P | Hexachlorocyclopentadiene | 0.208 | 0.176 | 15.4 | 66 | -0.02 |
| 42 | S | 2,4,6-Tribromophenol | 0.252 | 0.290 | -15.1 | 92 | -0.02 |
| 43 | C | 2,4,6-Trichlorophenol | 0.367 | 0.392 | -6.8 | 84 | -0.03 |
| 44 | | 2,4,5-Trichlorophenol | 0.403 | 0.432 | -7.2 | 85 | -0.02 |
| 45 | S | 2-Fluorobiphenyl | 1.356 | 1.326 | 2.2 | 81 | -0.02 |
| 46 | | 1,1'-Biphenyl | 1.503 | 1.493 | 0.7 | 82 | -0.02 |
| 47 | | 2-Chloronaphthalene | 1.130 | 1.137 | -0.6 | 83 | -0.02 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024243.D
Acq On : 09 Apr 2025 20:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Apr 10 01:01:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 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 | 0.289 | 0.334 | -15.6 | 92 | -0.03 |
| 49 | | Acenaphthylene | 1.710 | 1.796 | -5.0 | 87 | -0.03 |
| 50 | | Dimethylphthalate | 1.399 | 1.465 | -4.7 | 86 | -0.02 |
| 51 | | 2,6-Dinitrotoluene | 0.294 | 0.318 | -8.2 | 87 | -0.02 |
| 52 | C | Acenaphthene | 1.093 | 1.121 | -2.6 | 85 | -0.02 |
| 53 | | 3-Nitroaniline | 0.318 | 0.354 | -11.3 | 88 | -0.02 |
| 54 | P | 2,4-Dinitrophenol | 0.156 | 0.152 | 2.6 | 76 | -0.03 |
| 55 | | Dibenzofuran | 1.770 | 1.800 | -1.7 | 84 | -0.02 |
| 56 | P | 4-Nitrophenol | 0.266 | 0.321 | -20.7 | 93 | -0.02 |
| 57 | | 2,4-Dinitrotoluene | 0.389 | 0.444 | -14.1 | 90 | -0.02 |
| 58 | | Fluorene | 1.379 | 1.424 | -3.3 | 85 | -0.02 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.356 | 0.392 | -10.1 | 88 | -0.02 |
| 60 | | Diethylphthalate | 1.394 | 1.481 | -6.2 | 87 | -0.02 |
| 61 | | 4-Chlorophenyl-phenylether | 0.676 | 0.684 | -1.2 | 83 | -0.02 |
| 62 | | 4-Nitroaniline | 0.334 | 0.384 | -15.0 | 90 | -0.02 |
| 63 | | Azobenzene | 1.314 | 1.403 | -6.8 | 87 | -0.02 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 85 | -0.02 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.119 | 0.112 | 5.9 | 79 | -0.02 |
| 66 | c | n-Nitrosodiphenylamine | 0.607 | 0.621 | -2.3 | 88 | -0.02 |
| 67 | | 4-Bromophenyl-phenylether | 0.220 | 0.225 | -2.3 | 88 | -0.02 |
| 68 | | Hexachlorobenzene | 0.260 | 0.266 | -2.3 | 89 | -0.02 |
| 69 | | Atrazine | 0.147 | 0.162 | -10.2 | 101 | -0.02 |
| 70 | C | Pentachlorophenol | 0.168 | 0.199 | -18.5 | 95 | -0.02 |
| 71 | | Phenanthrene | 1.093 | 1.106 | -1.2 | 87 | -0.02 |
| 72 | | Anthracene | 1.064 | 1.103 | -3.7 | 88 | -0.02 |
| 73 | | Carbazole | 1.026 | 1.094 | -6.6 | 89 | -0.02 |
| 74 | | Di-n-butylphthalate | 1.218 | 1.336 | -9.7 | 90 | -0.02 |
| 75 | C | Fluoranthene | 1.265 | 1.324 | -4.7 | 89 | -0.02 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 77 | -0.03 |
| 77 | | Benzidine | 0.219 | 0.350 | -59.8# | 105 | -0.02 |
| 78 | | Pyrene | 1.243 | 1.354 | -8.9 | 87 | -0.02 |
| 79 | S | Terphenyl-d14 | 0.969 | 1.033 | -6.6 | 84 | -0.02 |
| 80 | | Butylbenzylphthalate | 0.513 | 0.603 | -17.5 | 89 | -0.02 |
| 81 | | Benzo(a)anthracene | 1.243 | 1.312 | -5.6 | 84 | -0.02 |
| 82 | | 3,3'-Dichlorobenzidine | 0.417 | 0.517 | -24.0 | 93 | -0.02 |
| 83 | | Chrysene | 1.195 | 1.232 | -3.1 | 82 | -0.03 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.774 | 0.887 | -14.6 | 87 | -0.02 |
| 85 | c | Di-n-octyl phthalate | 1.240 | 1.532 | -23.5# | 93 | -0.04 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 87 | -0.08 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.396 | 1.453 | -4.1 | 92 | -0.11 |
| 88 | | Benzo(b)fluoranthene | 1.206 | 1.190 | 1.3 | 87 | -0.05 |
| 89 | | Benzo(k)fluoranthene | 1.180 | 1.144 | 3.1 | 88 | -0.05 |
| 90 | C | Benzo(a)pyrene | 1.049 | 1.077 | -2.7 | 91 | -0.06 |
| 91 | | Dibenzo(a,h)anthracene | 1.161 | 1.199 | -3.3 | 92 | -0.12 |
| 92 | | Benzo(g,h,i)perylene | 1.180 | 1.217 | -3.1 | 92 | -0.12 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024243.D
Acq On : 09 Apr 2025 20:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Apr 10 01:01:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 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\BP040925\
Data File : BP024243.D
Acq On : 09 Apr 2025 20:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Apr 10 01:01:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 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 | 75 | -0.03 |
| 2 | | 1,4-Dioxane | 40.000 | 40.808 | -2.0 | 81 | -0.02 |
| 3 | | Pyridine | 40.000 | 40.586 | -1.5 | 79 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 40.177 | -0.4 | 79 | -0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 83.918 | -4.9 | 81 | -0.02 |
| 6 | | Aniline | 40.000 | 41.588 | -4.0 | 80 | -0.03 |
| 7 | S | Phenol-d6 | 80.000 | 83.561 | -4.5 | 80 | -0.02 |
| 8 | | 2-Chlorophenol | 40.000 | 41.543 | -3.9 | 81 | -0.03 |
| 9 | | Benzaldehyde | 40.000 | 44.828 | -12.1 | 87 | -0.03 |
| 10 | C | Phenol | 40.000 | 41.412 | -3.5 | 81 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.926 | 0.2 | 78 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.832 | -2.1 | 80 | -0.03 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.282 | -0.7 | 80 | -0.04 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.380 | -1.0 | 80 | -0.03 |
| 15 | | Benzyl Alcohol | 40.000 | 43.732 | -9.3 | 83 | -0.03 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.450 | -1.1 | 80 | -0.04 |
| 17 | | 2-Methylphenol | 40.000 | 42.525 | -6.3 | 81 | -0.03 |
| 18 | | Hexachloroethane | 40.000 | 40.814 | -2.0 | 80 | -0.03 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 42.065 | -5.2 | 80 | -0.03 |
| 20 | | 3+4-Methylphenols | 40.000 | 43.162 | -7.9 | 82 | -0.03 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 76 | -0.03 |
| 22 | | Acetophenone | 40.000 | 41.156 | -2.9 | 80 | -0.03 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 83.245 | -4.1 | 80 | -0.03 |
| 24 | | Nitrobenzene | 40.000 | 41.661 | -4.2 | 81 | -0.03 |
| 25 | | Isophorone | 40.000 | 43.649 | -9.1 | 84 | -0.03 |
| 26 | C | 2-Nitrophenol | 40.000 | 45.010 | -12.5 | 84 | -0.03 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 43.082 | -7.7 | 82 | -0.03 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.721 | -1.8 | 79 | -0.03 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 43.526 | -8.8 | 81 | -0.03 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.543 | -1.4 | 79 | -0.03 |
| 31 | | Naphthalene | 40.000 | 41.152 | -2.9 | 80 | -0.03 |
| 32 | | Benzoic acid | 40.000 | 53.374 | -33.4# | 97 | -0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 43.595 | -9.0 | 83 | -0.03 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.667 | -1.7 | 79 | -0.04 |
| 35 | | Caprolactam | 40.000 | 49.564 | -23.9 | 92 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 46.027 | -15.1 | 87 | -0.03 |
| 37 | | 2-Methylnaphthalene | 40.000 | 42.040 | -5.1 | 81 | -0.02 |
| 38 | | 1-Methylnaphthalene | 40.000 | 42.070 | -5.2 | 83 | -0.03 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 80 | -0.02 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.230 | 1.9 | 81 | -0.03 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 33.703 | 15.7 | 66 | -0.02 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 92.095 | -15.1 | 92 | -0.02 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 42.642 | -6.6 | 84 | -0.03 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 42.864 | -7.2 | 85 | -0.02 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 78.208 | 2.2 | 81 | -0.02 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.741 | 0.6 | 82 | -0.02 |
| 47 | | 2-Chloronaphthalene | 40.000 | 40.239 | -0.6 | 83 | -0.02 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024243.D
Acq On : 09 Apr 2025 20:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Apr 10 01:01:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 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 | 46.151 | -15.4 | 92 | -0.03 |
| 49 | | Acenaphthylene | 40.000 | 42.011 | -5.0 | 87 | -0.03 |
| 50 | | Dimethylphthalate | 40.000 | 41.867 | -4.7 | 86 | -0.02 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 43.205 | -8.0 | 87 | -0.02 |
| 52 | C | Acenaphthene | 40.000 | 41.025 | -2.6 | 85 | -0.02 |
| 53 | | 3-Nitroaniline | 40.000 | 44.583 | -11.5 | 88 | -0.02 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 39.089 | 2.3 | 76 | -0.03 |
| 55 | | Dibenzofuran | 40.000 | 40.673 | -1.7 | 84 | -0.02 |
| 56 | P | 4-Nitrophenol | 40.000 | 48.367 | -20.9 | 93 | -0.02 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 45.693 | -14.2 | 90 | -0.02 |
| 58 | | Fluorene | 40.000 | 41.301 | -3.3 | 85 | -0.02 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 44.009 | -10.0 | 88 | -0.02 |
| 60 | | Diethylphthalate | 40.000 | 42.507 | -6.3 | 87 | -0.02 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 40.466 | -1.2 | 83 | -0.02 |
| 62 | | 4-Nitroaniline | 40.000 | 46.082 | -15.2 | 90 | -0.02 |
| 63 | | Azobenzene | 40.000 | 42.713 | -6.8 | 87 | -0.02 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 85 | -0.02 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 37.697 | 5.8 | 79 | -0.02 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 40.878 | -2.2 | 88 | -0.02 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 40.979 | -2.4 | 88 | -0.02 |
| 68 | | Hexachlorobenzene | 40.000 | 40.888 | -2.2 | 89 | -0.02 |
| 69 | | Atrazine | 40.000 | 44.117 | -10.3 | 101 | -0.02 |
| 70 | C | Pentachlorophenol | 40.000 | 47.363 | -18.4 | 95 | -0.02 |
| 71 | | Phenanthrene | 40.000 | 40.488 | -1.2 | 87 | -0.02 |
| 72 | | Anthracene | 40.000 | 41.462 | -3.7 | 88 | -0.02 |
| 73 | | Carbazole | 40.000 | 42.628 | -6.6 | 89 | -0.02 |
| 74 | | Di-n-butylphthalate | 40.000 | 43.854 | -9.6 | 90 | -0.02 |
| 75 | C | Fluoranthene | 40.000 | 41.850 | -4.6 | 89 | -0.02 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 77 | -0.03 |
| 77 | | Benzidine | 40.000 | 64.100 | -60.2# | 105 | -0.02 |
| 78 | | Pyrene | 40.000 | 43.543 | -8.9 | 87 | -0.02 |
| 79 | S | Terphenyl-d14 | 80.000 | 85.292 | -6.6 | 84 | -0.02 |
| 80 | | Butylbenzylphthalate | 40.000 | 47.019 | -17.5 | 89 | -0.02 |
| 81 | | Benzo(a)anthracene | 40.000 | 42.216 | -5.5 | 84 | -0.02 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 49.574 | -23.9 | 93 | -0.02 |
| 83 | | Chrysene | 40.000 | 41.237 | -3.1 | 82 | -0.03 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 45.881 | -14.7 | 87 | -0.02 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 49.446 | -23.6# | 93 | -0.04 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 87 | -0.08 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.648 | -4.1 | 92 | -0.11 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 39.463 | 1.3 | 87 | -0.05 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 38.797 | 3.0 | 88 | -0.05 |
| 90 | C | Benzo(a)pyrene | 40.000 | 41.077 | -2.7 | 91 | -0.06 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 41.295 | -3.2 | 92 | -0.12 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 41.245 | -3.1 | 92 | -0.12 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024243.D
Acq On : 09 Apr 2025 20:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Apr 10 01:01:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 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

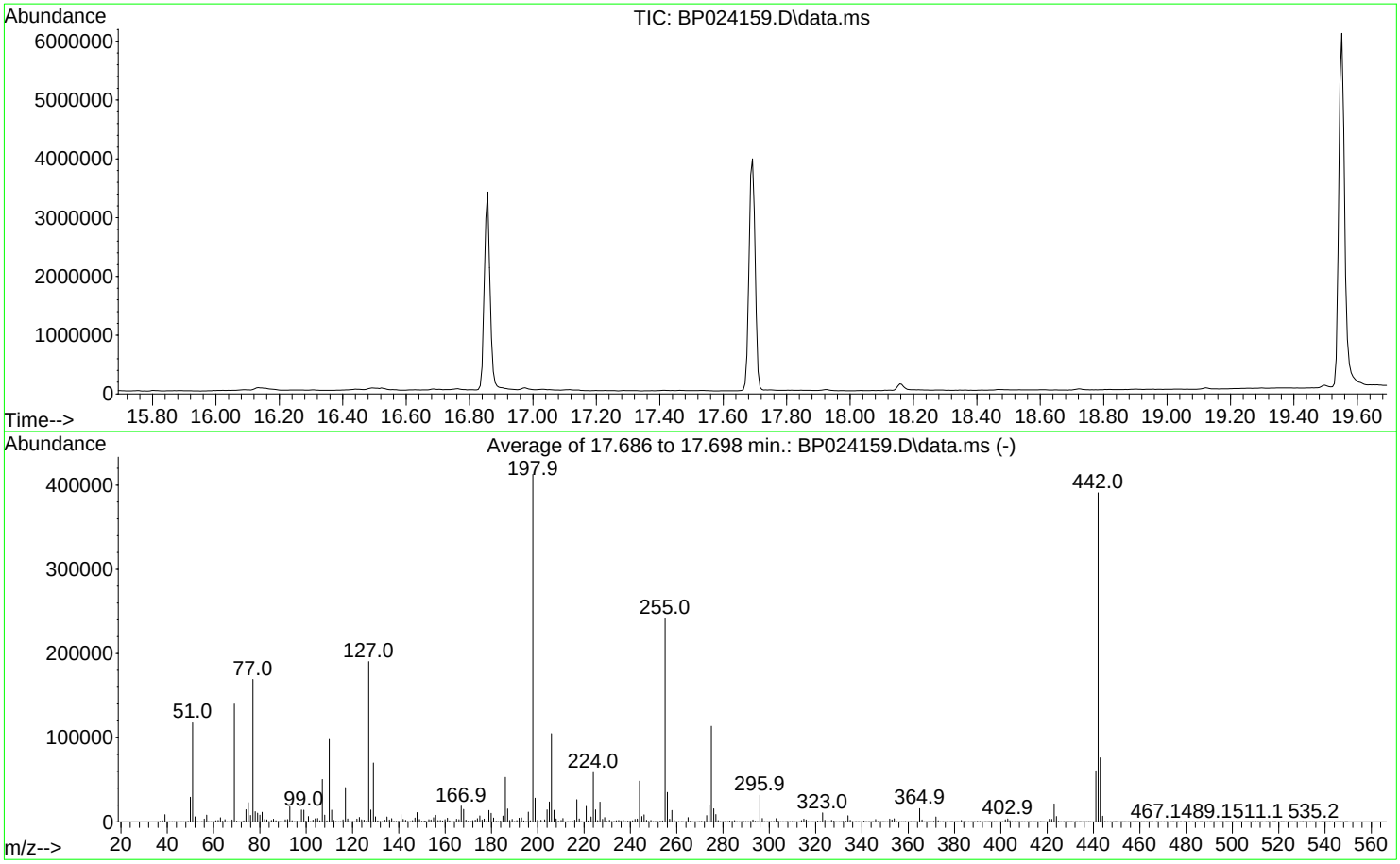
# QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024159.D
Acq On : 12 Mar 2025 15:36
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-BP031225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Mar 13 05:55:58 2025



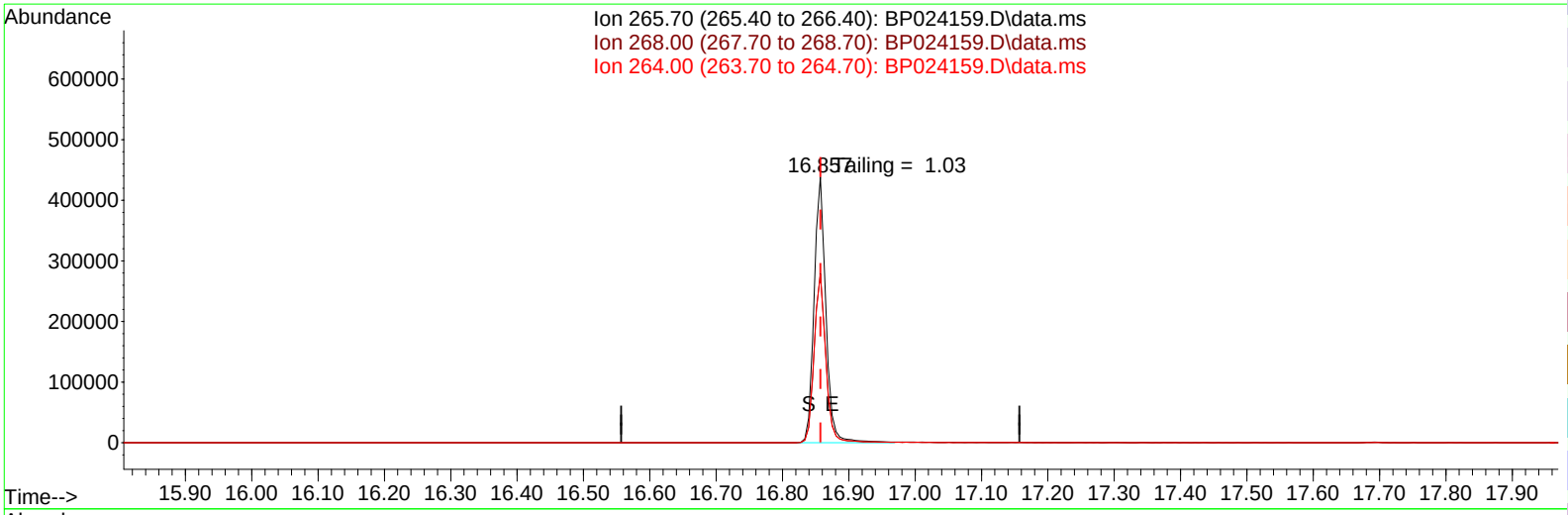

AutoFind: Scans 2482, 2483, 2484; Background Corrected with Scan 2472

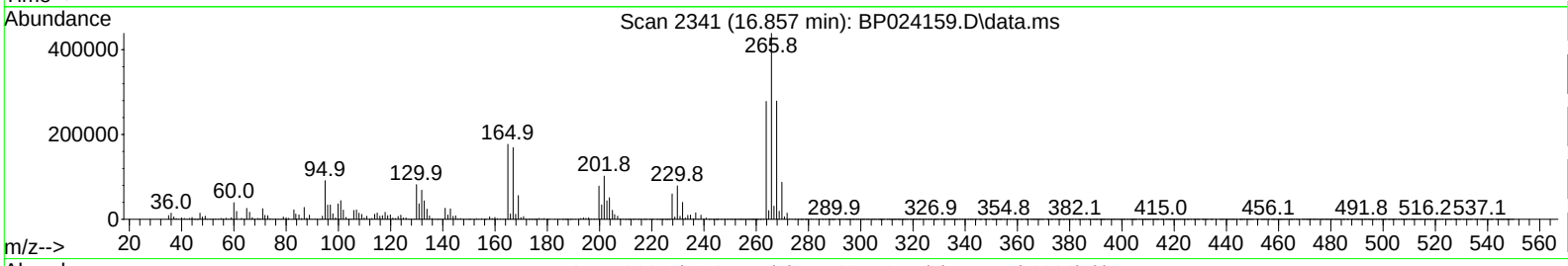
| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 28.5 | 117822 | PASS |
| 68 | 69 | 0.00 | 2 | 1.6 | 2280 | PASS |
| 69 | 198 | 0.00 | 100 | 33.9 | 139938 | PASS |
| 70 | 69 | 0.00 | 2 | 0.6 | 822 | PASS |
| 127 | 198 | 10 | 80 | 46.1 | 190399 | PASS |
| 197 | 198 | 0.00 | 2 | 0.4 | 1468 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 412716 | PASS |
| 199 | 198 | 5 | 9 | 6.8 | 28114 | PASS |
| 275 | 198 | 10 | 60 | 27.5 | 113624 | PASS |
| 365 | 198 | 1 | 100 | 3.8 | 15804 | PASS |
| 441 | 198 | 0.01 | 100 | 14.7 | 60679 | PASS |
| 442 | 442 | 100 | 100 | 100.0 | 391061 | PASS |
| 443 | 442 | 15 | 24 | 19.5 | 76081 | PASS |

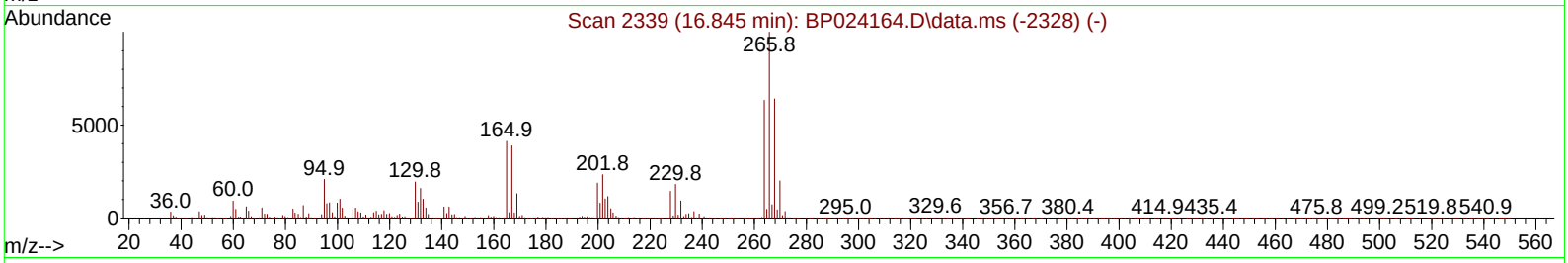
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024159.D
Acq On : 12 Mar 2025 15:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Mar 13 05:56:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration




TIC: BP024159.D\data.ms

**(70) Pentachlorophenol (C)**

**16.857min ( 0.000) 4607317.61 ng**

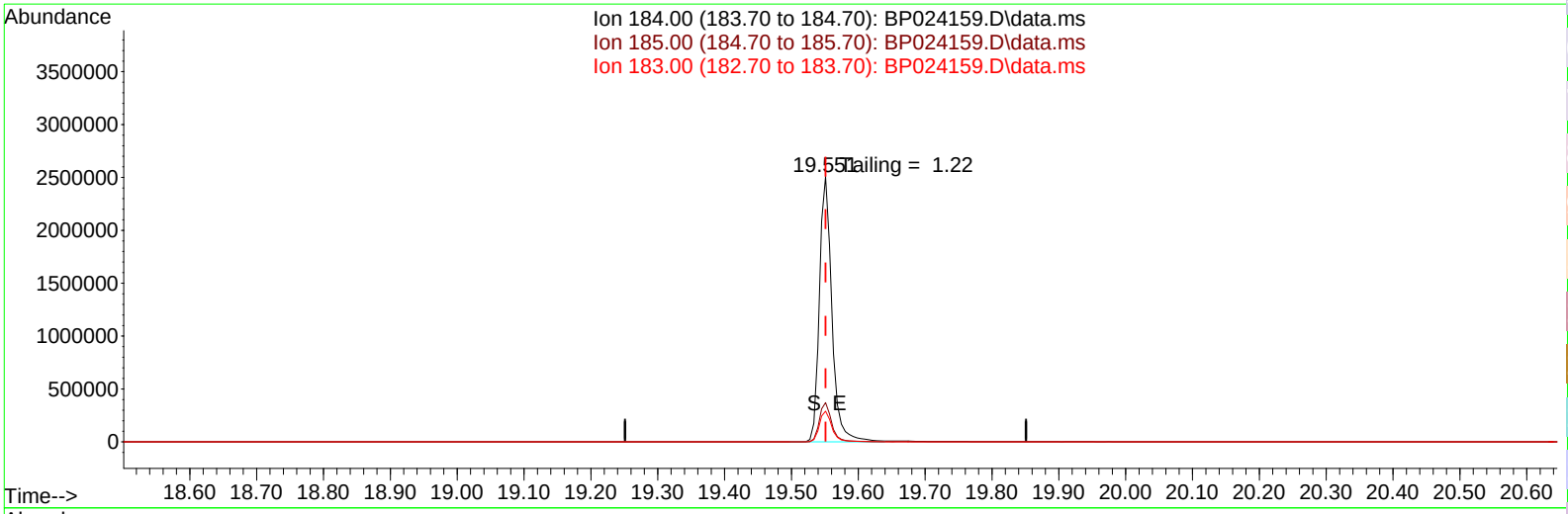
**response 542052**

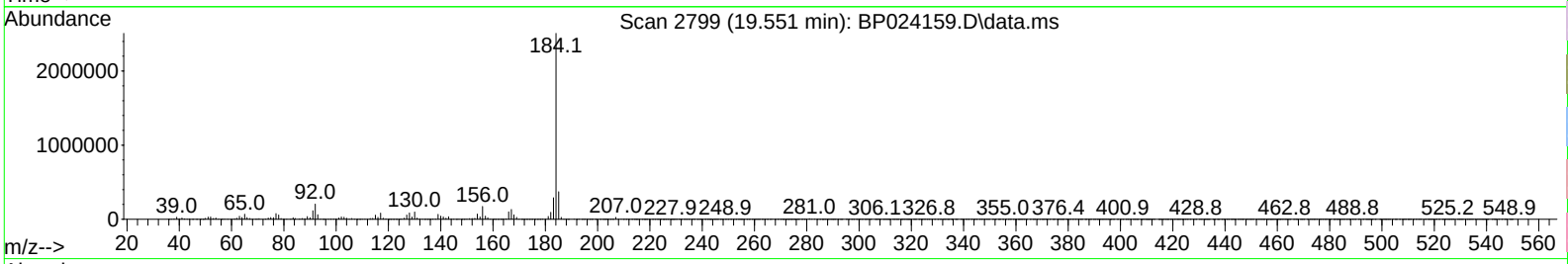
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 64.10 | 63.56 |
| 264.00 | 63.30 | 63.37 |
| 0.00 | 0.00 | 0.00 |

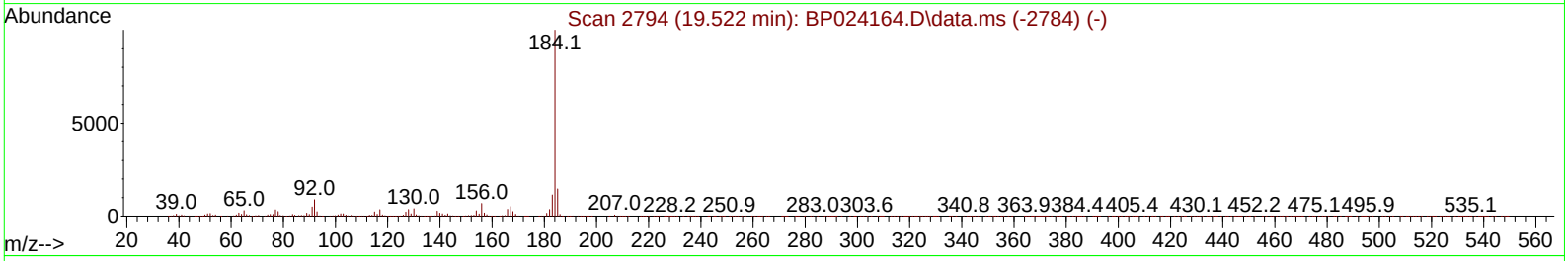
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024159.D
Acq On : 12 Mar 2025 15:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Mar 13 05:56:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration




TIC: BP024159.D\data.ms

**(77) Benzidine**

**19.551min ( 0.000) 3117449.49 ng**

**response 3272103**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.70 | 14.81 |
| 183.00 | 11.40 | 11.59 |
| 0.00 | 0.00 | 0.00 |

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

## DDT Breakdown

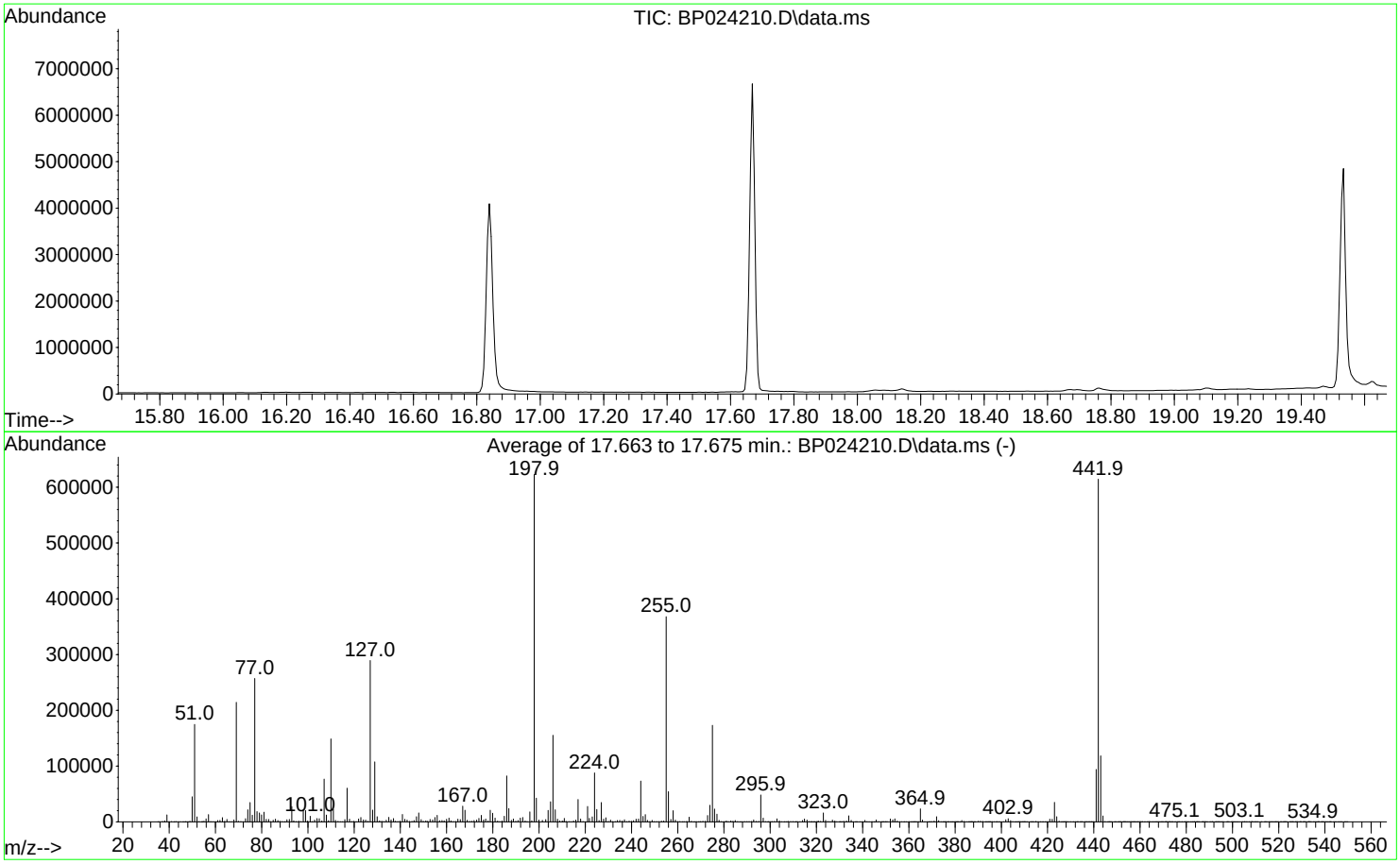
| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 3/12/2025 | BNA_P | BP024159.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 1535436 | 20.851 |
| DDD | 16722 | 20.439 |
| DDE | 443 | 19.827 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 17165 | 1552601 | 1.11 |
| | | |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024210.D
Acq On : 08 Apr 2025 13:02
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-BP031225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Mar 13 05:55:58 2025



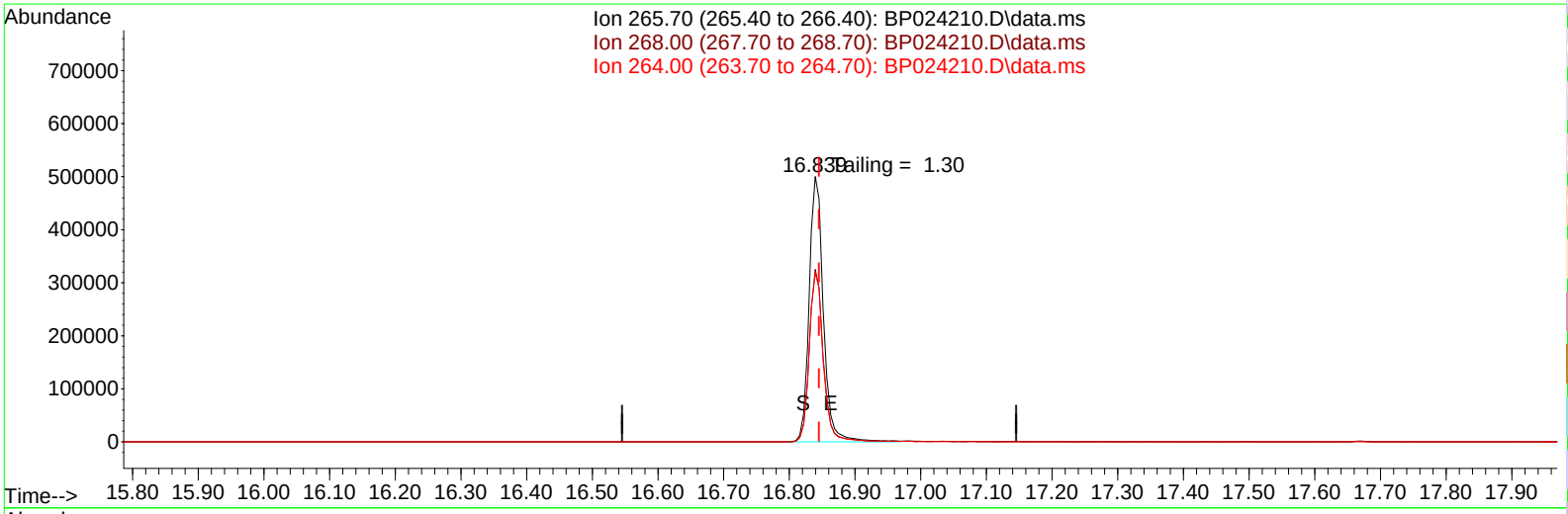

AutoFind: Scans 2478, 2479, 2480; Background Corrected with Scan 2468

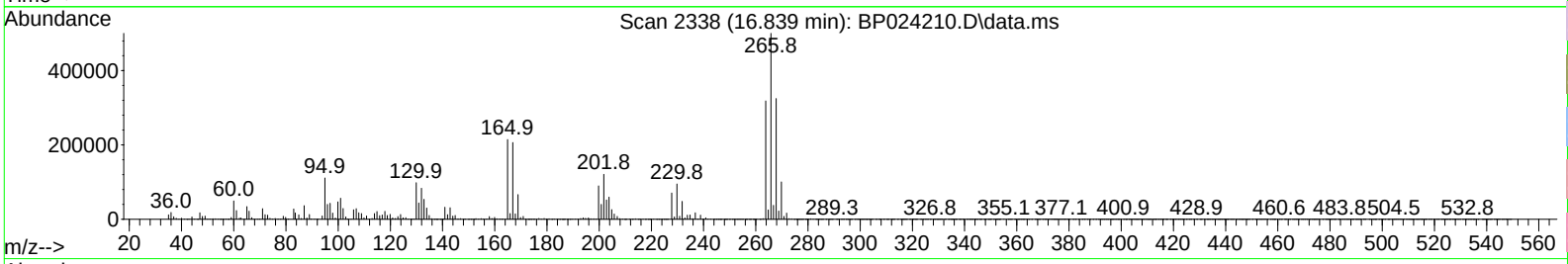
| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 28.0 | 174652 | PASS |
| 68 | 69 | 0.00 | 2 | 1.7 | 3637 | PASS |
| 69 | 198 | 0.00 | 100 | 34.4 | 214278 | PASS |
| 70 | 69 | 0.00 | 2 | 0.6 | 1205 | PASS |
| 127 | 198 | 10 | 80 | 46.5 | 289331 | PASS |
| 197 | 198 | 0.00 | 2 | 0.3 | 1809 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 622847 | PASS |
| 199 | 198 | 5 | 9 | 6.8 | 42471 | PASS |
| 275 | 198 | 10 | 60 | 27.8 | 173014 | PASS |
| 365 | 198 | 1 | 100 | 3.7 | 23221 | PASS |
| 441 | 198 | 0.01 | 100 | 15.1 | 94130 | PASS |
| 442 | 442 | 100 | 100 | 100.0 | 614391 | PASS |
| 443 | 442 | 15 | 24 | 19.3 | 118355 | PASS |

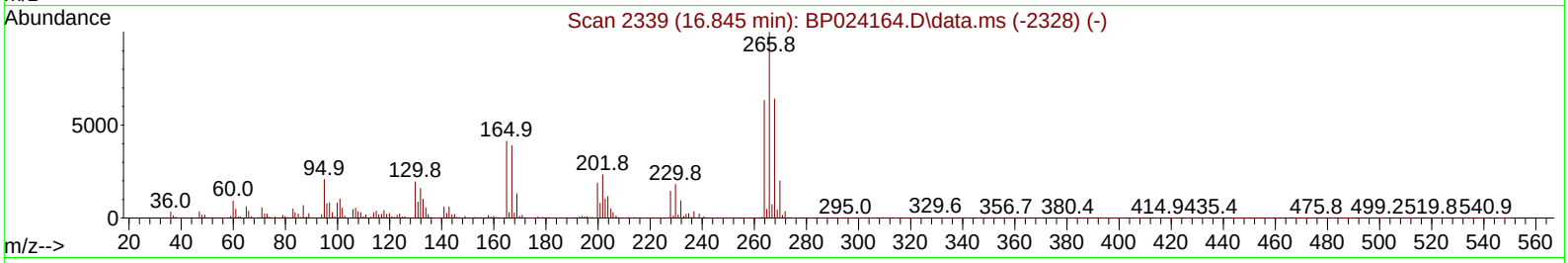
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024210.D
Acq On : 08 Apr 2025 13:02
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Apr 08 18:25:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration




TIC: BP024210.D\data.ms

**(70) Pentachlorophenol (C)**

**16.839min (-0.006) 277531.82 ng**

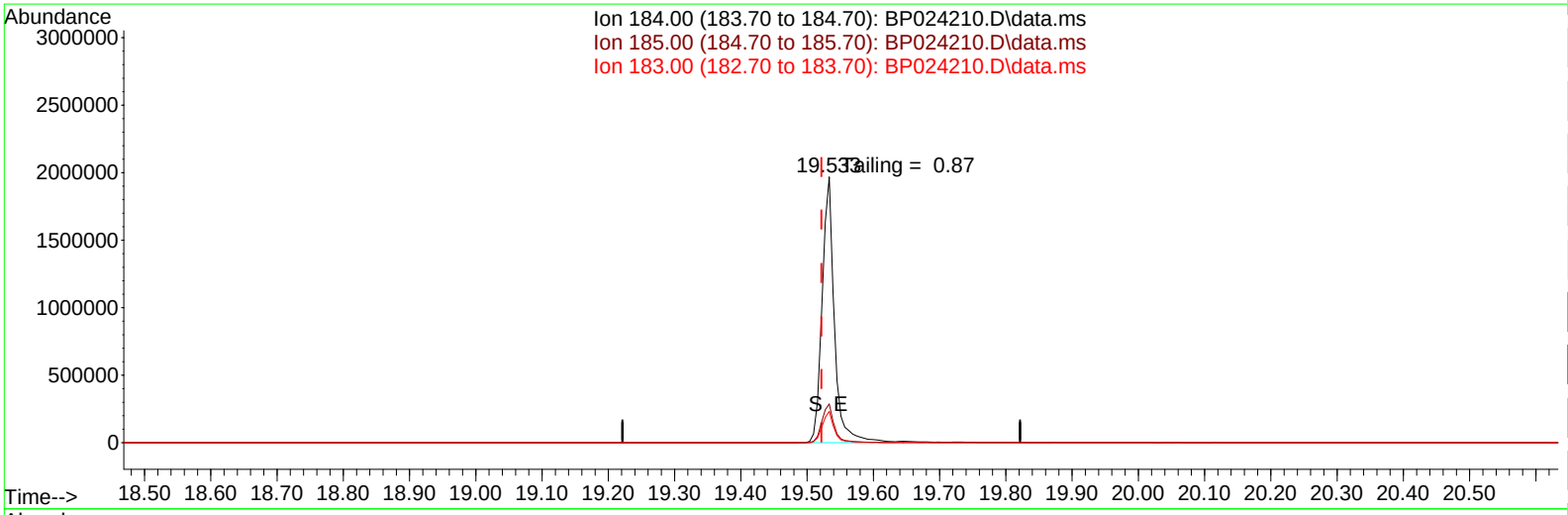
**response 753321**

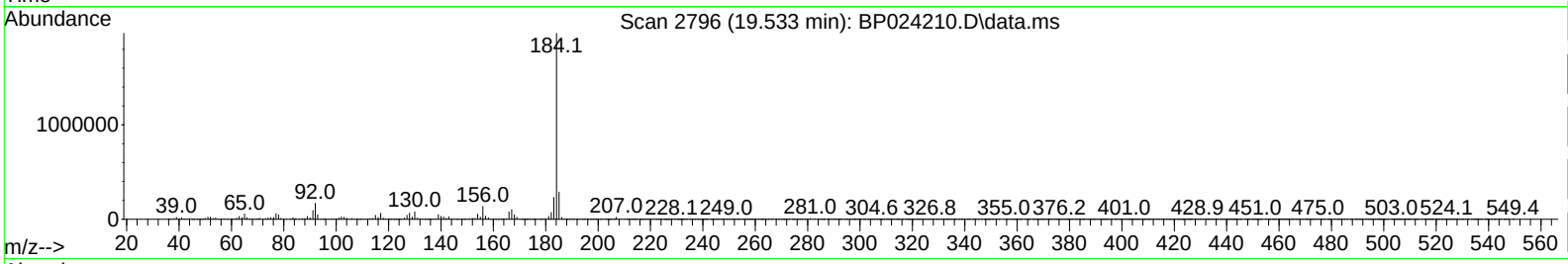
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 64.10 | 64.97 |
| 264.00 | 63.30 | 63.66 |
| 0.00 | 0.00 | 0.00 |

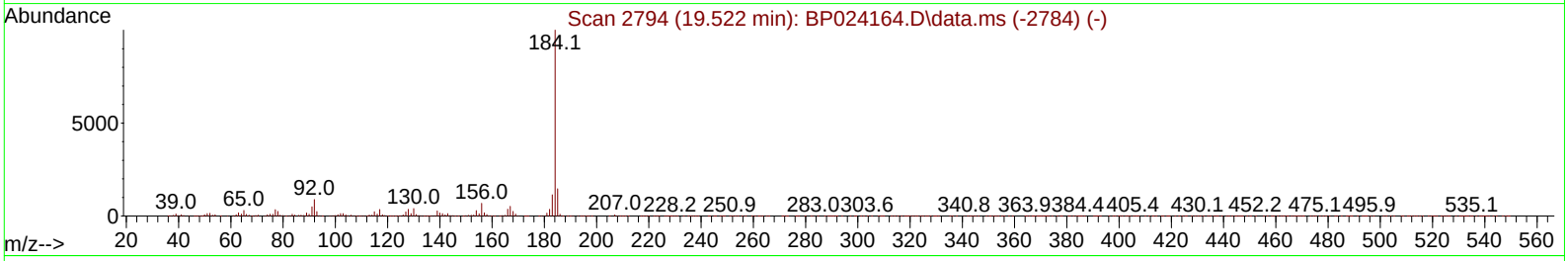
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024210.D
Acq On : 08 Apr 2025 13:02
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Apr 08 18:25:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration




TIC: BP024210.D\data.ms

**(77) Benzidine**

**19.533min (+ 0.012) 6521.01 ng**

**response 2548937**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.70 | 14.65 |
| 183.00 | 11.40 | 11.76 |
| 0.00 | 0.00 | 0.00 |

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

## DDT Breakdown

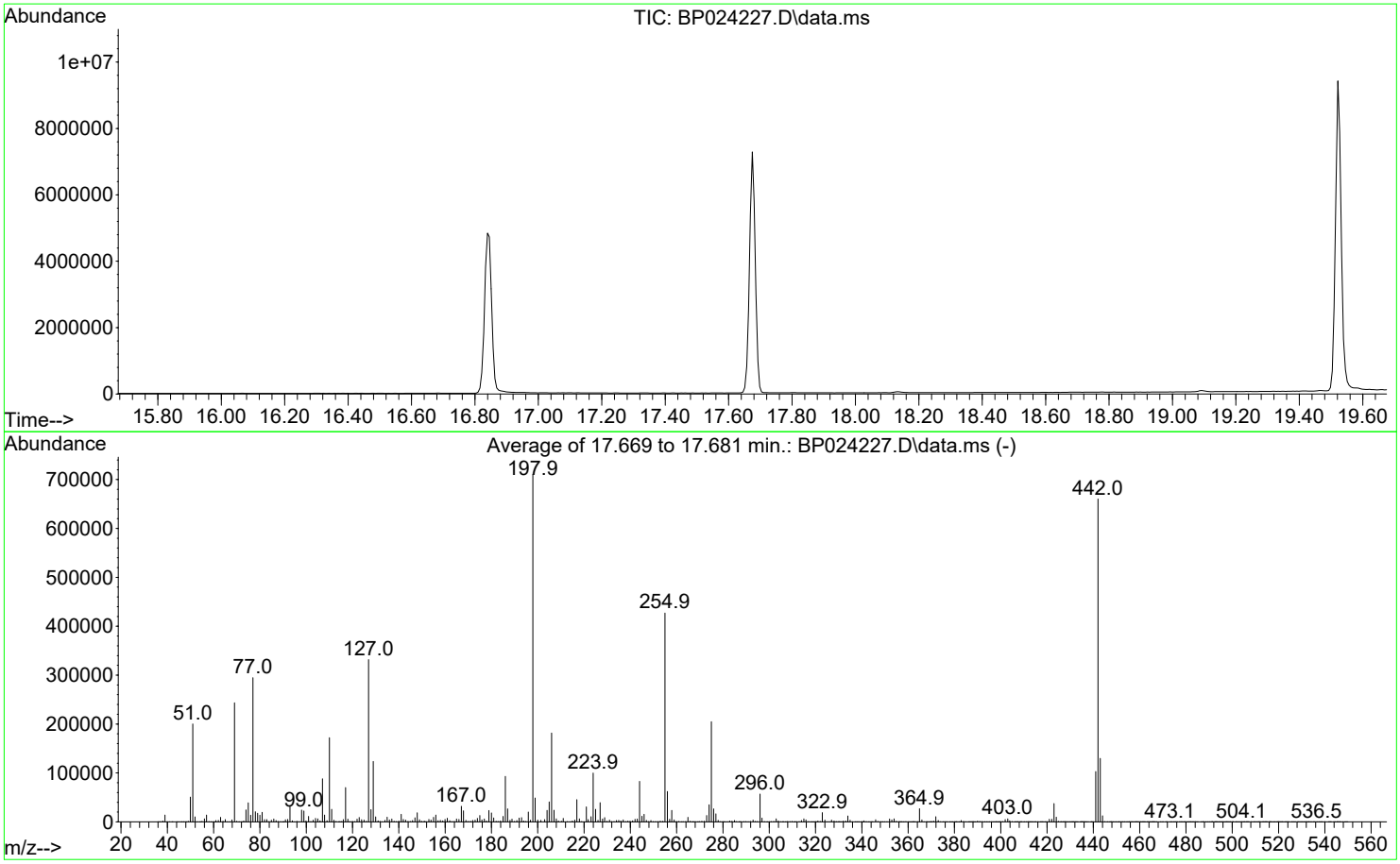
| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 4/8/2025 | BNA_P | BP024210.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 2066235 | 20.833 |
| DDD | 33084 | 20.369 |
| DDE | 4231 | 19.833 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 37315 | 2103550 | 1.77 |
| | | |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024227.D
Acq On : 09 Apr 2025 08:42
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-BP031225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Mar 13 05:55:58 2025



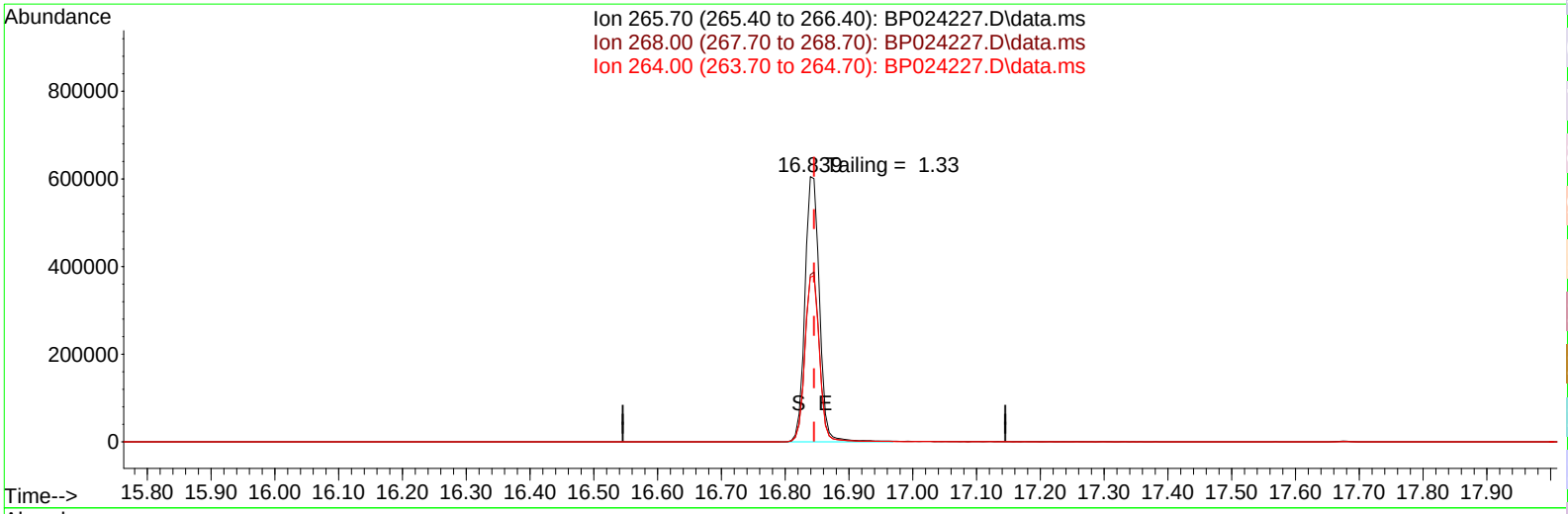

AutoFind: Scans 2479, 2480, 2481; Background Corrected with Scan 2470

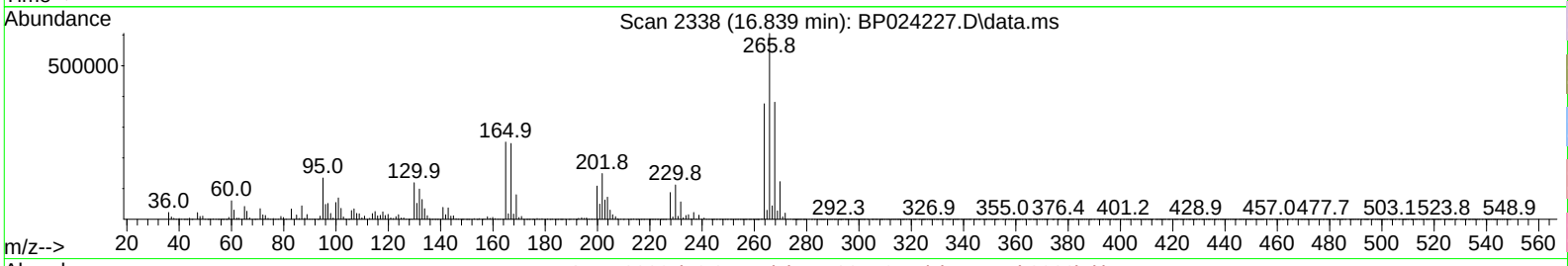
| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 28.2 | 200115 | PASS |
| 68 | 69 | 0.00 | 2 | 1.6 | 3921 | PASS |
| 69 | 198 | 0.00 | 100 | 34.3 | 243587 | PASS |
| 70 | 69 | 0.00 | 2 | 0.5 | 1251 | PASS |
| 127 | 198 | 10 | 80 | 46.7 | 331923 | PASS |
| 197 | 198 | 0.00 | 2 | 0.5 | 3371 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 710336 | PASS |
| 199 | 198 | 5 | 9 | 6.9 | 48868 | PASS |
| 275 | 198 | 10 | 60 | 28.9 | 204948 | PASS |
| 365 | 198 | 1 | 100 | 3.8 | 26873 | PASS |
| 441 | 198 | 0.01 | 100 | 14.5 | 102902 | PASS |
| 442 | 442 | 100 | 100 | 100.0 | 660181 | PASS |
| 443 | 442 | 15 | 24 | 19.7 | 129757 | PASS |

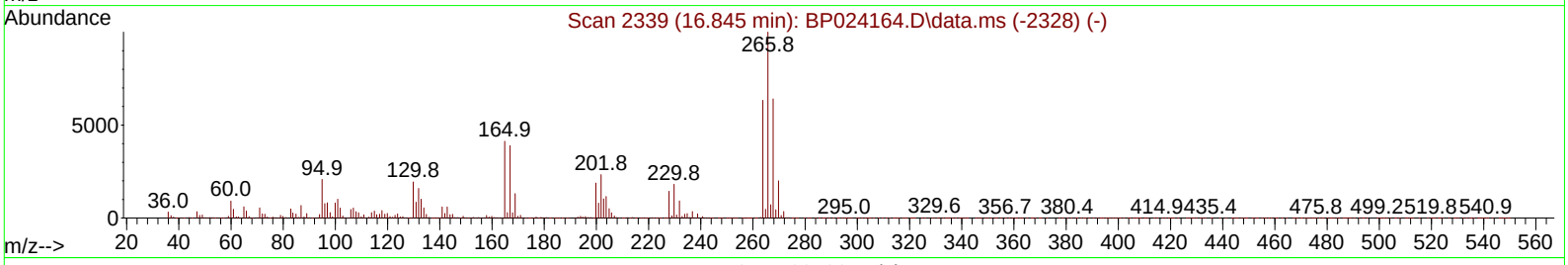
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024227.D
Acq On : 09 Apr 2025 08:42
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Apr 09 12:31:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration




TIC: BP024227.D\data.ms

**(70) Pentachlorophenol (C)**

**16.839min (-0.006) 65391.48 ng**

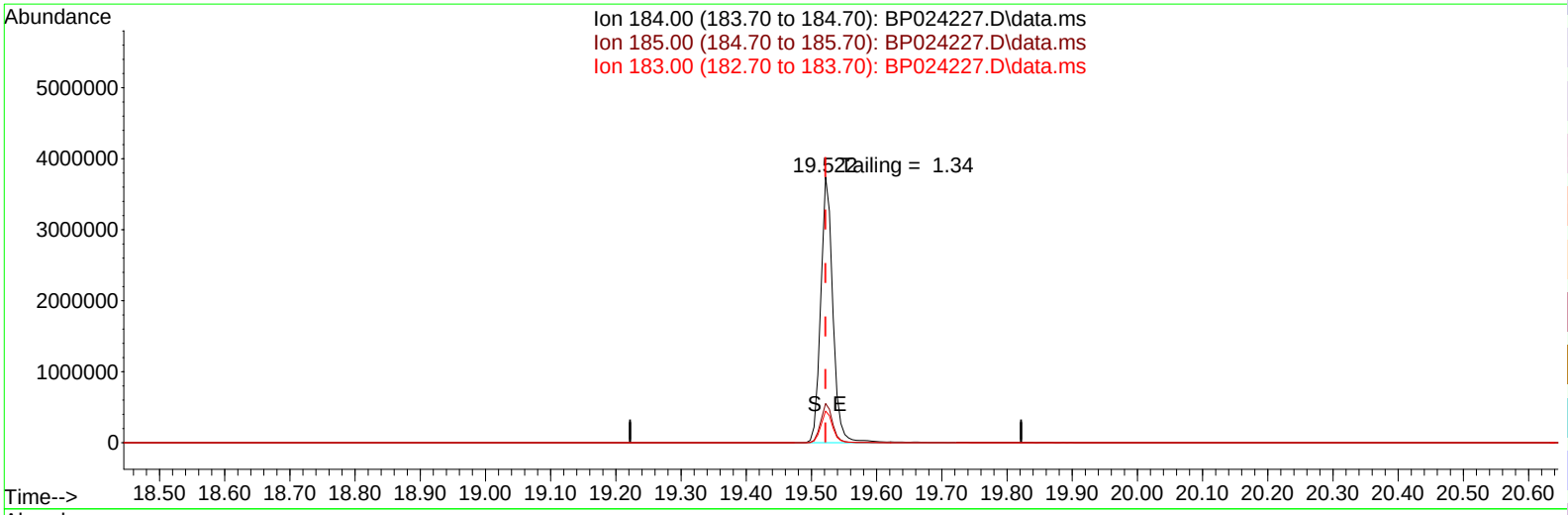
**response 964413**

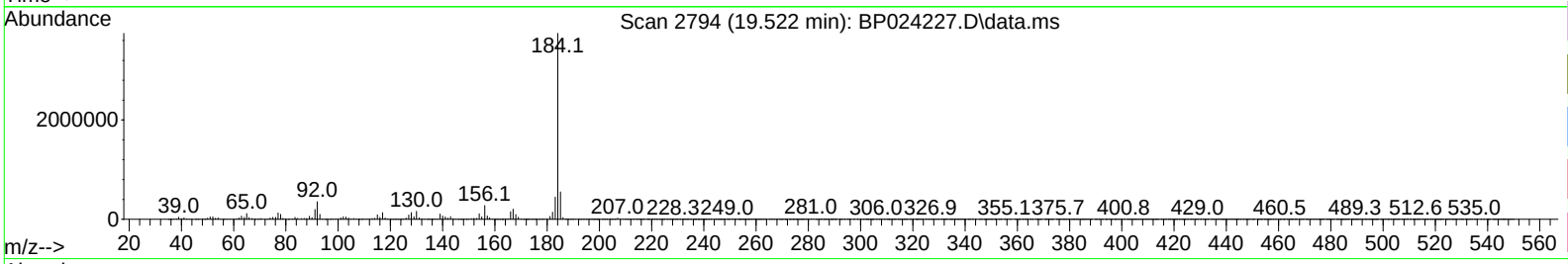
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 64.10 | 63.01 |
| 264.00 | 63.30 | 62.15 |
| 0.00 | 0.00 | 0.00 |

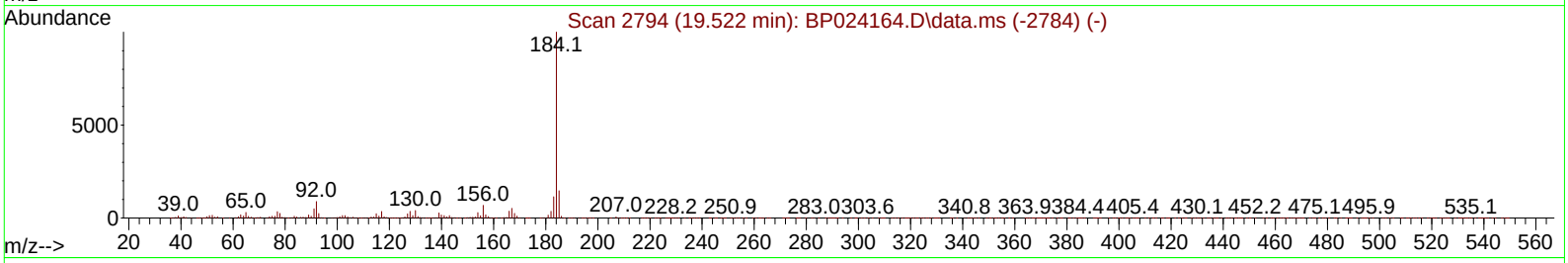
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024227.D
Acq On : 09 Apr 2025 08:42
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Apr 09 12:31:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration




TIC: BP024227.D\data.ms

**(77) Benzidine**

**19.522min (-0.000) 108823.90 ng m**

**response 4912759**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.70 | 14.74 |
| 183.00 | 11.40 | 11.93 |
| 0.00 | 0.00 | 0.00 |

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

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 4/9/2025 | BNA_P | BP024227.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 2570370 | 20.816 |
| DDD | 50806 | 20.363 |
| DDE | 1633 | 19.827 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 52439 | 2622809 | 2.00 |
| | | |

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Nobis Group | | | Date Collected: | |
| Project: | Raymark Superfund Site | | | Date Received: | |
| Client Sample ID: | PB167474BL | | | SDG No.: | Q1730 |
| Lab Sample ID: | PB167474BL | | | Matrix: | SOIL |
| Analytical Method: | SW8270 | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.03 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group3 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024212.D | 1 | 04/07/25 08:55 | 04/08/25 14:24 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 91-20-3 | Naphthalene | 0.13 | U | 0.023 | 0.13 | 0.17 | mg/Kg |
| 91-57-6 | 2-Methylnaphthalene | 0.13 | U | 0.026 | 0.13 | 0.17 | mg/Kg |
| 208-96-8 | Acenaphthylene | 0.13 | U | 0.029 | 0.13 | 0.17 | mg/Kg |
| 83-32-9 | Acenaphthene | 0.13 | U | 0.021 | 0.13 | 0.17 | mg/Kg |
| 86-73-7 | Fluorene | 0.13 | U | 0.025 | 0.13 | 0.17 | mg/Kg |
| 85-01-8 | Phenanthrene | 0.13 | U | 0.021 | 0.13 | 0.17 | mg/Kg |
| 120-12-7 | Anthracene | 0.13 | U | 0.033 | 0.13 | 0.17 | mg/Kg |
| 206-44-0 | Fluoranthene | 0.13 | U | 0.030 | 0.13 | 0.17 | mg/Kg |
| 129-00-0 | Pyrene | 0.13 | U | 0.036 | 0.13 | 0.17 | mg/Kg |
| 56-55-3 | Benzo(a)anthracene | 0.13 | U | 0.023 | 0.13 | 0.17 | mg/Kg |
| 218-01-9 | Chrysene | 0.13 | U | 0.020 | 0.13 | 0.17 | mg/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 0.13 | U | 0.019 | 0.13 | 0.17 | mg/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 0.13 | U | 0.022 | 0.13 | 0.17 | mg/Kg |
| 50-32-8 | Benzo(a)pyrene | 0.13 | U | 0.030 | 0.13 | 0.17 | mg/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.13 | U | 0.029 | 0.13 | 0.17 | mg/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.13 | U | 0.027 | 0.13 | 0.17 | mg/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 0.13 | U | 0.026 | 0.13 | 0.17 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 141 | | 35 - 115 | | 94% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 139 | | 34 - 127 | | 92% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 88.4 | | 37 - 122 | | 88% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 80.7 | | 44 - 115 | | 81% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 155 | | 39 - 132 | | 103% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 88.3 | | 54 - 127 | | 88% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 276000 | 7.74 | | | | |
| 1146-65-2 | Naphthalene-d8 | 1170000 | 10.516 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 810000 | 14.381 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 1920000 | 17.198 | | | | |

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Nobis Group | | | Date Collected: | |
| Project: | Raymark Superfund Site | | | Date Received: | |
| Client Sample ID: | PB167474BL | | | SDG No.: | Q1730 |
| Lab Sample ID: | PB167474BL | | | Matrix: | SOIL |
| Analytical Method: | SW8270 | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.03 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group3 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024212.D | 1 | 04/07/25 08:55 | 04/08/25 14:24 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 1719-03-5 | Chrysene-d12 | 2420000 | 21.645 | | | | |
| 1520-96-3 | Perylene-d12 | 2580000 | 25.045 | | | | |

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\BP040825\
Data File : BP024212.D
Acq On : 08 Apr 2025 14:24
Operator : RC/JU
Sample : PB167474BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BL

Quant Time: Apr 08 18:30:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

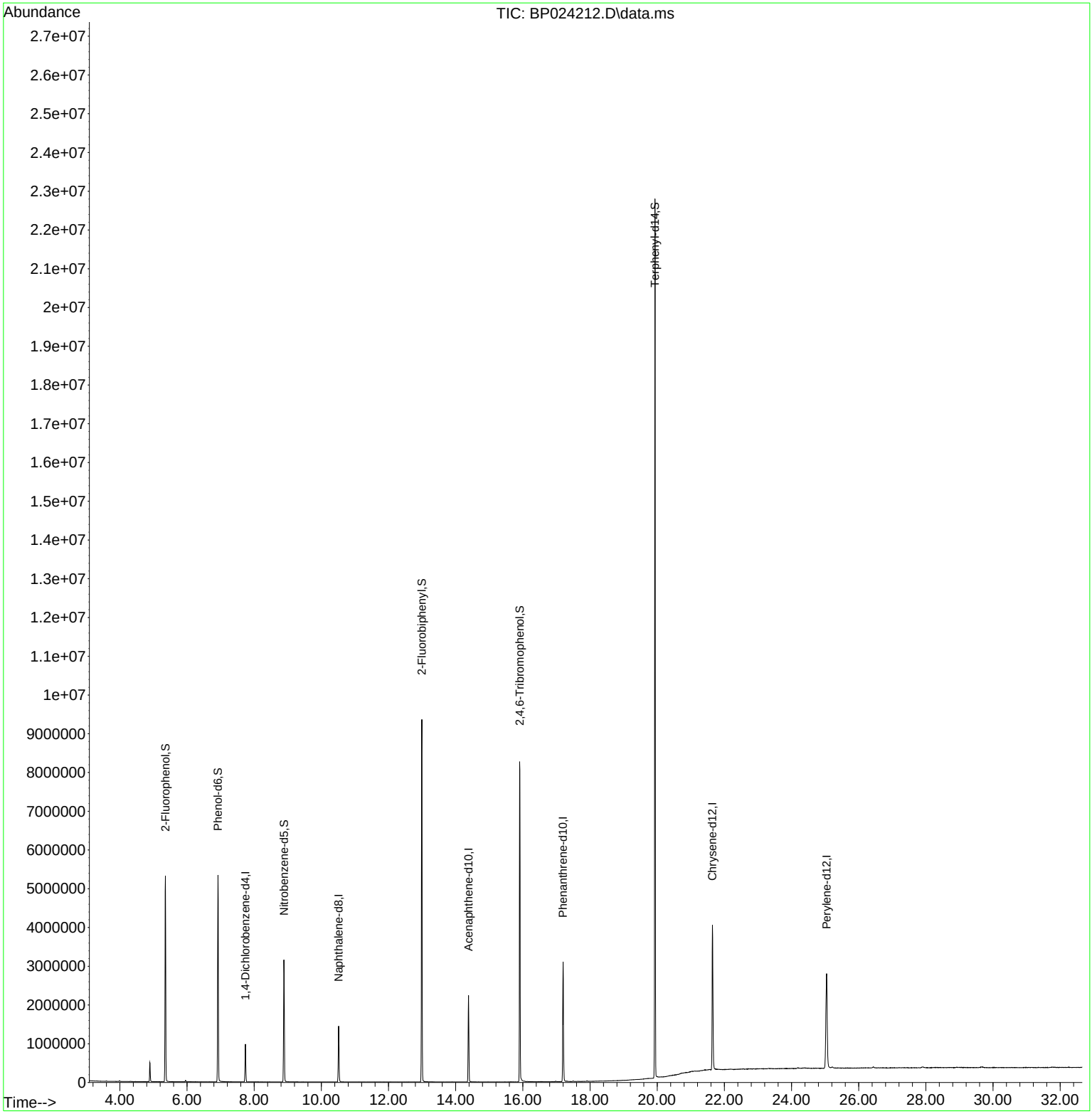
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.740 | 152 | 275560 | 20.000 | ng | -0.03 |
| 21) Naphthalene-d8 | 10.516 | 136 | 1172454 | 20.000 | ng | -0.04 |
| 39) Acenaphthene-d10 | 14.381 | 164 | 810069 | 20.000 | ng | -0.02 |
| 64) Phenanthrene-d10 | 17.198 | 188 | 1923056 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.645 | 240 | 2416144 | 20.000 | ng | -0.01 |
| 86) Perylene-d12 | 25.045 | 264 | 2577914 | 20.000 | ng | -0.01 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.358 | 112 | 2429146 | 140.717 | ng | -0.02 |
| 7) Phenol-d6 | 6.922 | 99 | 3197693 | 138.521 | ng | -0.03 |
| 23) Nitrobenzene-d5 | 8.887 | 82 | 1837224 | 88.411 | ng | -0.04 |
| 42) 2,4,6-Tribromophenol | 15.910 | 330 | 1576615 | 154.512 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 12.993 | 172 | 4430911 | 80.654 | ng | -0.02 |
| 79) Terphenyl-d14 | 19.933 | 244 | 10335388 | 88.300 | ng | 0.01 |
| Target Compounds | | | | | | Qvalue |

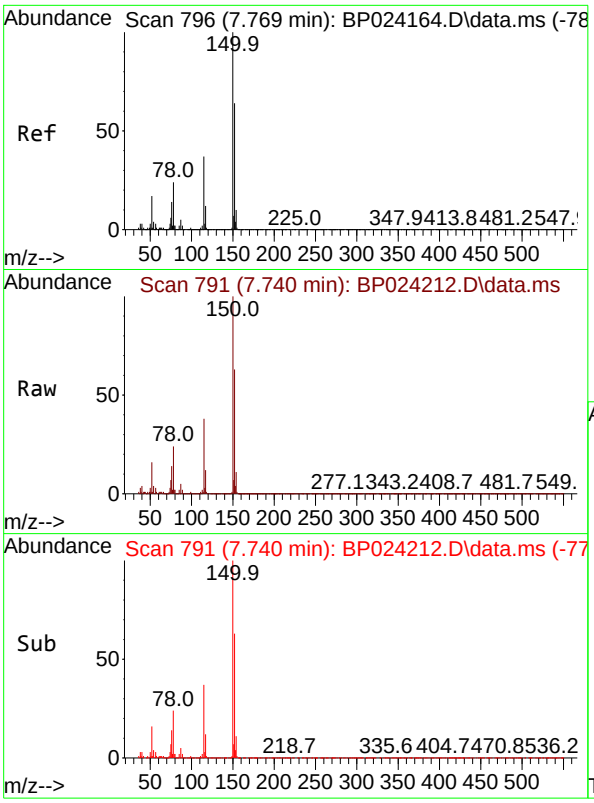
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024212.D
Acq On : 08 Apr 2025 14:24
Operator : RC/JU
Sample : PB167474BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BL

Quant Time: Apr 08 18:30:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration



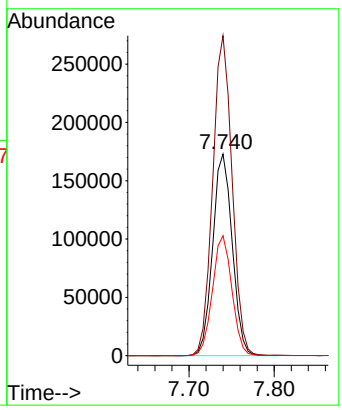


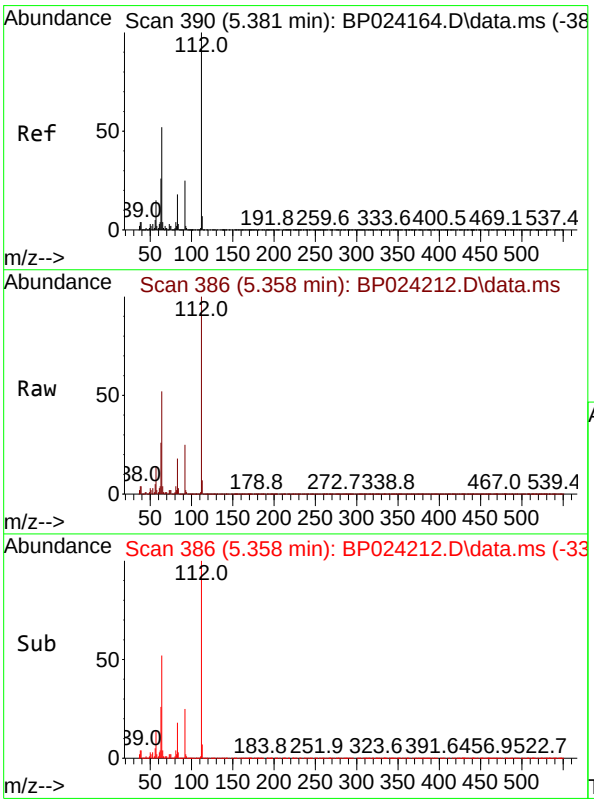

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.029 min
Lab File: BP024212.D
Acq: 08 Apr 2025 14:24

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BL

Tgt Ion:152 Resp: 275560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.8 | 125.5 | 188.3 |
| 115 | 59.5 | 46.3 | 69.5 |

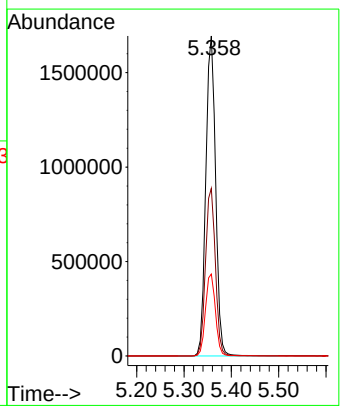


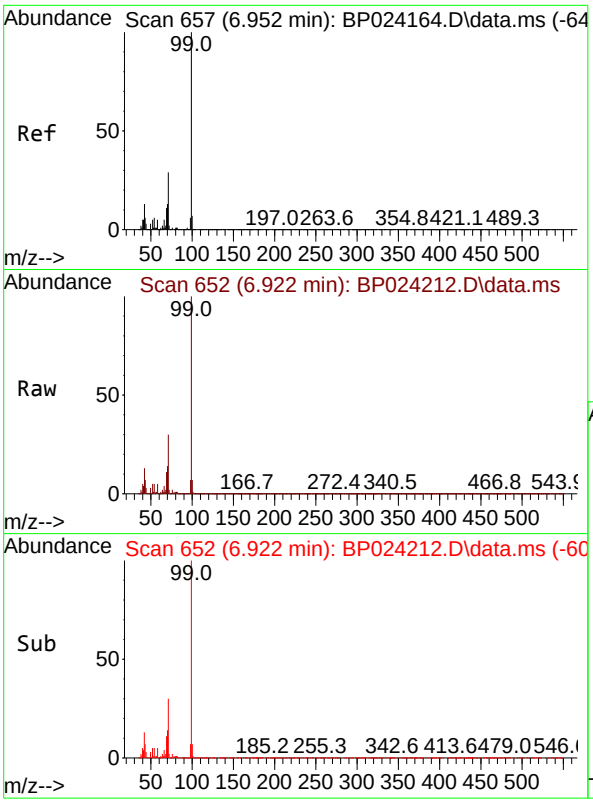




#5
2-Fluorophenol
Concen: 140.717 ng
RT: 5.358 min Scan# 386
Delta R.T. -0.024 min
Lab File: BP024212.D
Acq: 08 Apr 2025 14:24

Tgt Ion:112 Resp: 2429146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.4 | 41.3 | 61.9 |
| 63 | 25.6 | 20.6 | 31.0 |



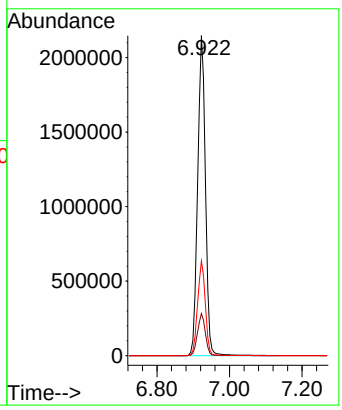


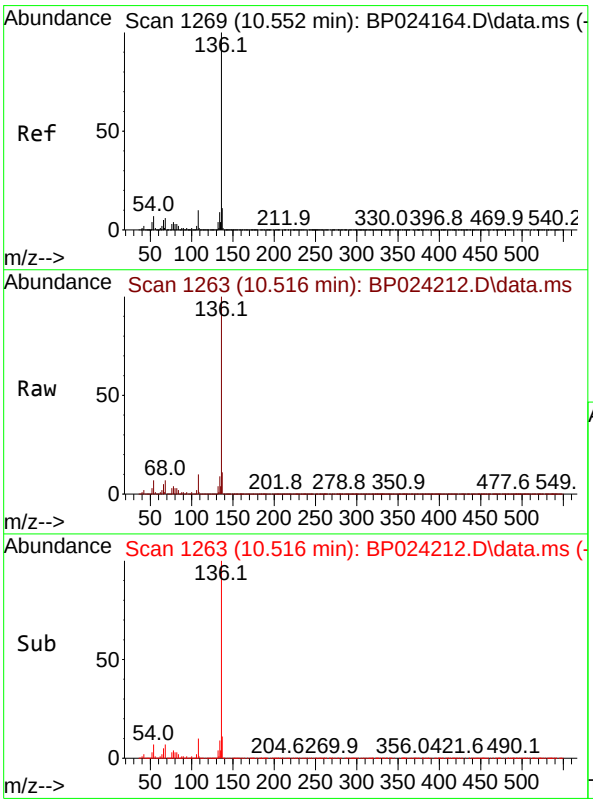

#7
Phenol-d6
Concen: 138.521 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.030 min
Lab File: BP024212.D
Acq: 08 Apr 2025 14:24

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BL

Tgt Ion: 99 Resp: 3197693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.1 | 10.6 | 16.0 |
| 71 | 29.5 | 23.3 | 34.9 |

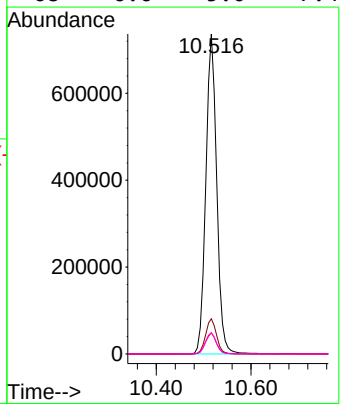


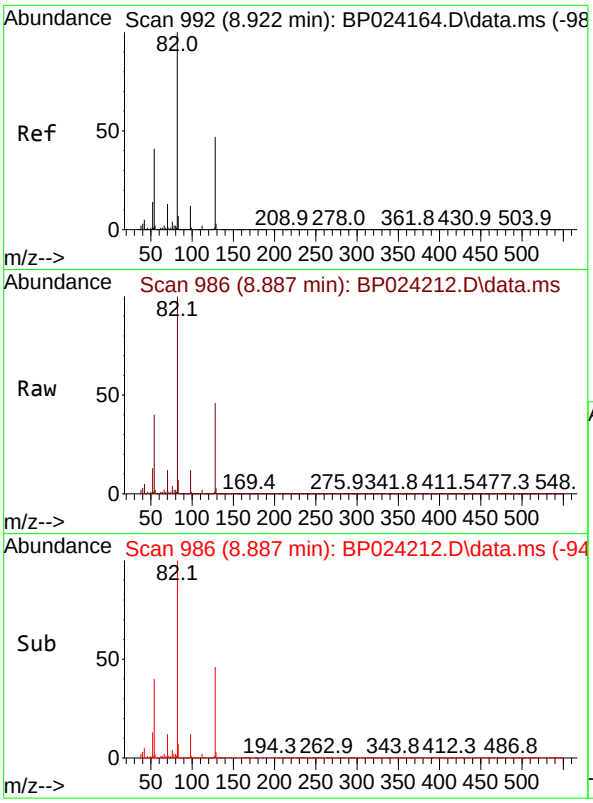




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1263
Delta R.T. -0.035 min
Lab File: BP024212.D
Acq: 08 Apr 2025 14:24

Tgt Ion:136 Resp: 1172454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 9.0 | 13.4 |
| 54 | 6.6 | 5.3 | 7.9 |
| 68 | 6.6 | 5.0 | 7.4 |



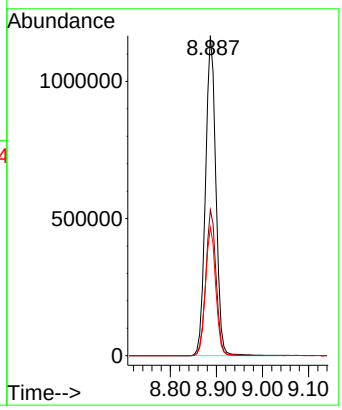


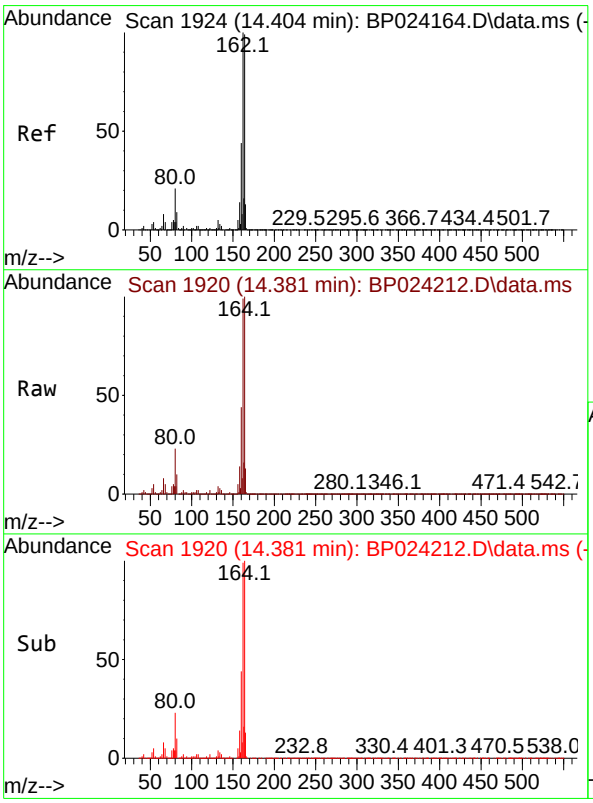

#23
Nitrobenzene-d5
Concen: 88.411 ng
RT: 8.887 min Scan# 9
Delta R.T. -0.035 min
Lab File: BP024212.D
Acq: 08 Apr 2025 14:24

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BL

Tgt Ion: 82 Resp: 1837224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.6 | 37.4 | 56.0 |
| 54 | 40.1 | 32.5 | 48.7 |

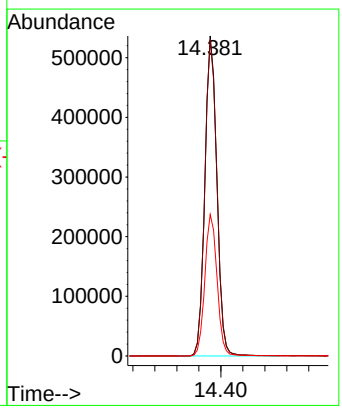


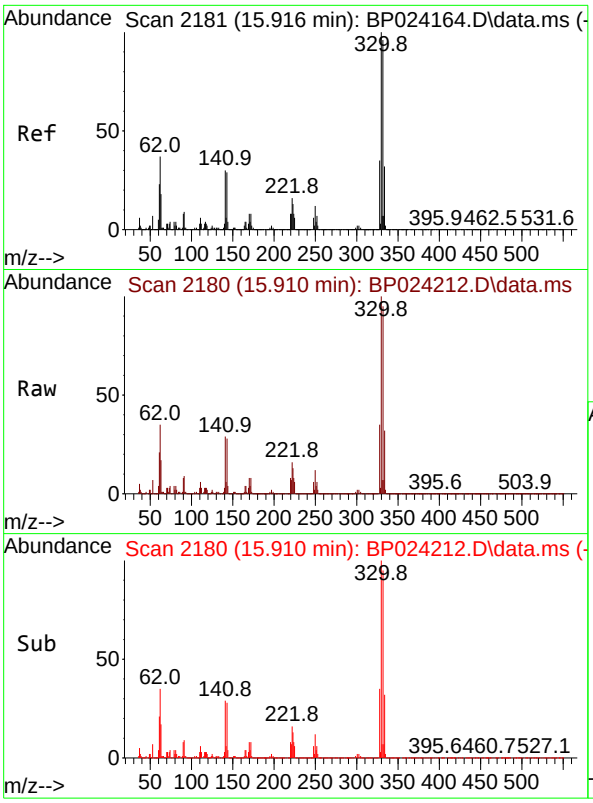




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.381 min Scan# 1920
Delta R.T. -0.024 min
Lab File: BP024212.D
Acq: 08 Apr 2025 14:24

Tgt Ion:164 Resp: 810069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.9 | 80.6 | 121.0 |
| 160 | 44.2 | 35.4 | 53.2 |



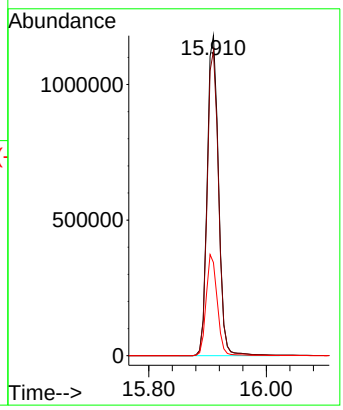


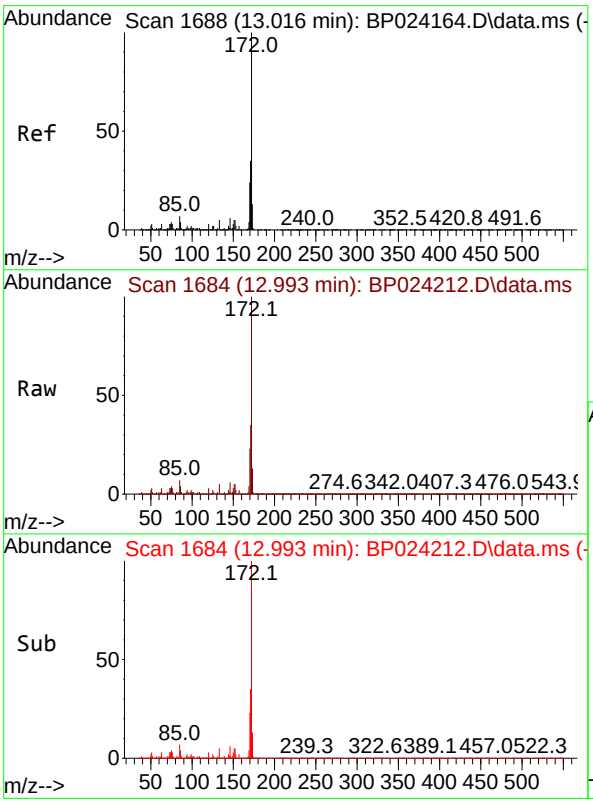

#42
2,4,6-Tribromophenol
Concen: 154.512 ng
RT: 15.910 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024212.D
Acq: 08 Apr 2025 14:24

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BL

Tgt Ion:330 Resp: 1576615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.9 | 77.6 | 116.4 |
| 141 | 31.1 | 25.0 | 37.6 |

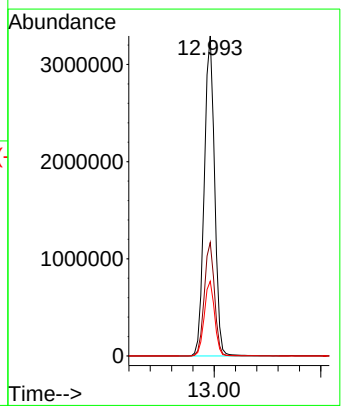


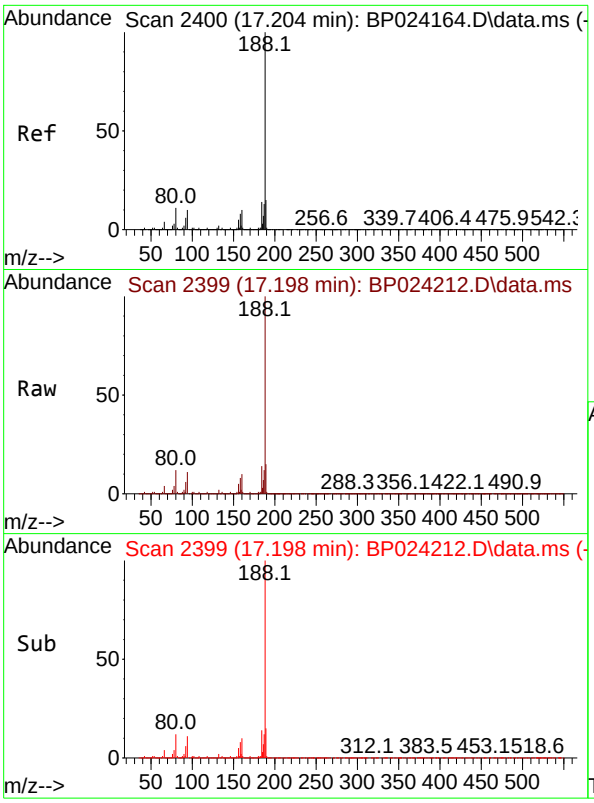




#45
2-Fluorobiphenyl
Concen: 80.654 ng
RT: 12.993 min Scan# 1684
Delta R.T. -0.024 min
Lab File: BP024212.D
Acq: 08 Apr 2025 14:24

Tgt Ion:172 Resp: 4430911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 28.3 | 42.5 |
| 170 | 23.4 | 19.0 | 28.4 |



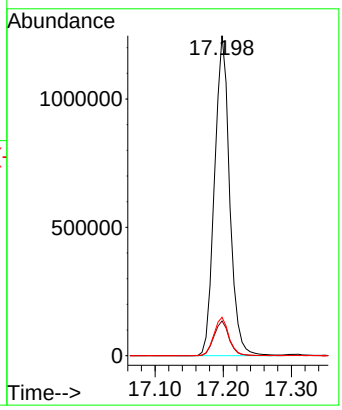


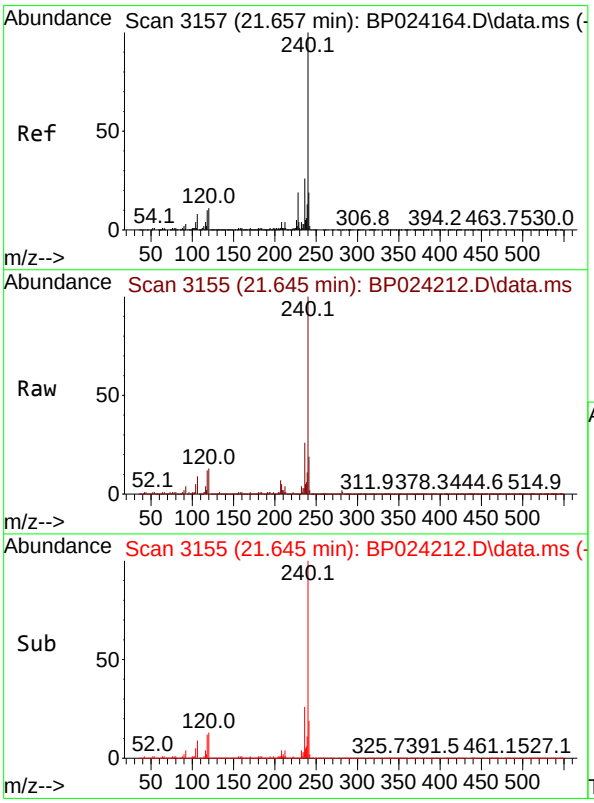

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.198 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024212.D
Acq: 08 Apr 2025 14:24

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BL

Tgt Ion:188 Resp: 1923056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.9 | 8.1 | 12.1 |
| 80 | 12.0 | 8.9 | 13.3 |

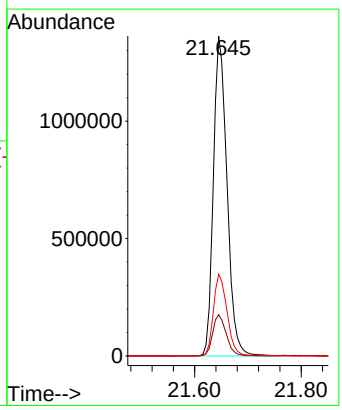


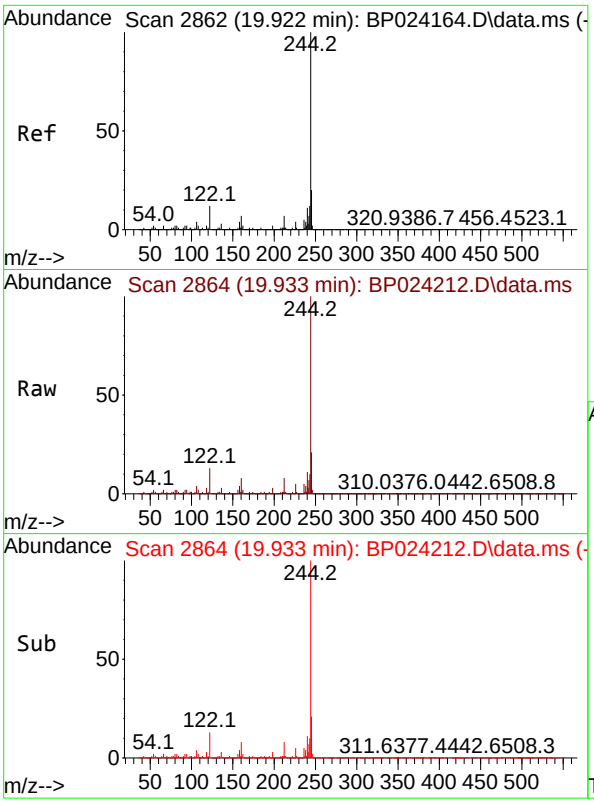




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.645 min Scan# 3155
Delta R.T. -0.012 min
Lab File: BP024212.D
Acq: 08 Apr 2025 14:24

Tgt Ion:240 Resp: 2416144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.9 | 9.2 | 13.8 |
| 236 | 25.6 | 20.4 | 30.6 |



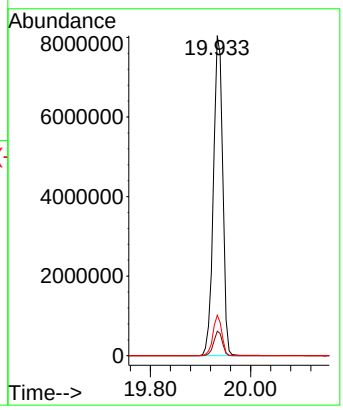


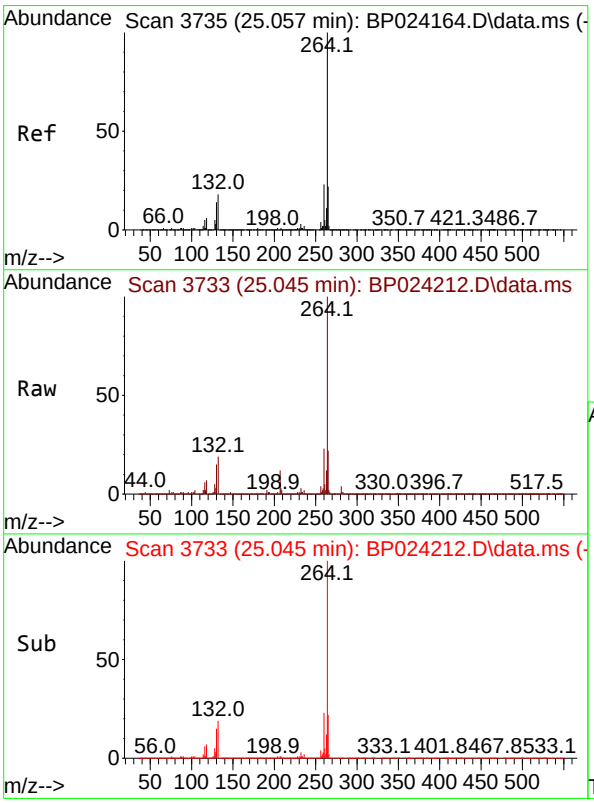

#79
Terphenyl-d14
Concen: 88.300 ng
RT: 19.933 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024212.D
Acq: 08 Apr 2025 14:24

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BL

Tgt Ion:244 Resp:10335388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.6 | 5.7 | 8.5 |
| 122 | 12.7 | 9.6 | 14.4 |

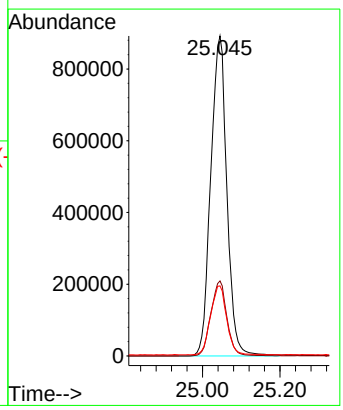



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.045 min Scan# 3733
Delta R.T. -0.012 min
Lab File: BP024212.D
Acq: 08 Apr 2025 14:24

Tgt Ion:264 Resp: 2577914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 18.5 | 27.7 |
| 265 | 21.9 | 17.7 | 26.5 |



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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Nobis Group | | | Date Collected: | |
| Project: | Raymark Superfund Site | | | Date Received: | |
| Client Sample ID: | PB167474BS | | | SDG No.: | Q1730 |
| Lab Sample ID: | PB167474BS | | | Matrix: | SOIL |
| Analytical Method: | SW8270 | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.02 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group3 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024213.D | 1 | 04/07/25 08:55 | 04/08/25 15:04 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 91-20-3 | Naphthalene | 1.40 | | 0.023 | 0.13 | 0.17 | mg/Kg |
| 91-57-6 | 2-Methylnaphthalene | 1.30 | | 0.026 | 0.13 | 0.17 | mg/Kg |
| 208-96-8 | Acenaphthylene | 1.60 | | 0.029 | 0.13 | 0.17 | mg/Kg |
| 83-32-9 | Acenaphthene | 1.50 | | 0.021 | 0.13 | 0.17 | mg/Kg |
| 86-73-7 | Fluorene | 1.50 | | 0.025 | 0.13 | 0.17 | mg/Kg |
| 85-01-8 | Phenanthrene | 1.50 | | 0.021 | 0.13 | 0.17 | mg/Kg |
| 120-12-7 | Anthracene | 1.60 | | 0.033 | 0.13 | 0.17 | mg/Kg |
| 206-44-0 | Fluoranthene | 1.50 | | 0.030 | 0.13 | 0.17 | mg/Kg |
| 129-00-0 | Pyrene | 1.50 | | 0.036 | 0.13 | 0.17 | mg/Kg |
| 56-55-3 | Benzo(a)anthracene | 1.50 | | 0.023 | 0.13 | 0.17 | mg/Kg |
| 218-01-9 | Chrysene | 1.50 | | 0.020 | 0.13 | 0.17 | mg/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 1.50 | | 0.019 | 0.13 | 0.17 | mg/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 1.50 | | 0.022 | 0.13 | 0.17 | mg/Kg |
| 50-32-8 | Benzo(a)pyrene | 1.60 | | 0.030 | 0.13 | 0.17 | mg/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1.60 | | 0.029 | 0.13 | 0.17 | mg/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 1.60 | | 0.027 | 0.13 | 0.17 | mg/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 1.50 | | 0.026 | 0.13 | 0.17 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 129 | | 35 - 115 | | 86% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 117 | | 34 - 127 | | 78% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 85.1 | | 37 - 122 | | 85% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 82.9 | | 44 - 115 | | 83% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 134 | | 39 - 132 | | 89% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 89.5 | | 54 - 127 | | 89% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 433000 | 7.74 | | | | |
| 1146-65-2 | Naphthalene-d8 | 1660000 | 10.522 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 944000 | 14.387 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 1780000 | 17.192 | | | | |

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Nobis Group | | | Date Collected: | |
| Project: | Raymark Superfund Site | | | Date Received: | |
| Client Sample ID: | PB167474BS | | | SDG No.: | Q1730 |
| Lab Sample ID: | PB167474BS | | | Matrix: | SOIL |
| Analytical Method: | SW8270 | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.02 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group3 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024213.D | 1 | 04/07/25 08:55 | 04/08/25 15:04 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 1719-03-5 | Chrysene-d12 | 1790000 | 21.645 | | | | |
| 1520-96-3 | Perylene-d12 | 1910000 | 25.033 | | | | |

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\BP040825\
Data File : BP024213.D
Acq On : 08 Apr 2025 15:04
Operator : RC/JU
Sample : PB167474BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Quant Time: Apr 09 07:14:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.740 | 152 | 432520 | 20.000 | ng | | -0.03 |
| 21) Naphthalene-d8 | 10.522 | 136 | 1663507 | 20.000 | ng | | -0.03 |
| 39) Acenaphthene-d10 | 14.387 | 164 | 944043 | 20.000 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.192 | 188 | 1779009 | 20.000 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.645 | 240 | 1788682 | 20.000 | ng | | -0.01 |
| 86) Perylene-d12 | 25.033 | 264 | 1910295 | 20.000 | ng | | -0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.358 | 112 | 3488994 | 128.767 | ng | | -0.02 |
| 7) Phenol-d6 | 6.928 | 99 | 4252456 | 117.362 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 8.893 | 82 | 2507924 | 85.061 | ng | | -0.03 |
| 42) 2,4,6-Tribromophenol | 15.904 | 330 | 1588438 | 133.578 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 12.993 | 172 | 5307334 | 82.897 | ng | | -0.02 |
| 79) Terphenyl-d14 | 19.916 | 244 | 7752383 | 89.466 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.305 | 88 | 430011 | 40.037 | ng | | 98 |
| 3) Pyridine | 3.699 | 79 | 1163440 | 39.624 | ng | | 100 |
| 4) n-Nitrosodimethylamine | 3.605 | 42 | 417062 | 42.522 | ng | | 96 |
| 6) Aniline | 7.081 | 93 | 1404797 | 42.554 | ng | | 98 |
| 8) 2-Chlorophenol | 7.317 | 128 | 1281285 | 43.779 | ng | | 98 |
| 9) Benzaldehyde | 6.893 | 77 | 703975 | 40.260 | ng | | 97 |
| 10) Phenol | 6.952 | 94 | 1601100 | 43.772 | ng | | 100 |
| 11) bis(2-Chloroethyl)ether | 7.169 | 93 | 1228503 | 42.589 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.634 | 146 | 1397403 | 44.276 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 7.781 | 146 | 1406489 | 43.646 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.093 | 146 | 1340828 | 43.359 | ng | | 99 |
| 15) Benzyl Alcohol | 7.981 | 79 | 996163 | 43.426 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.264 | 45 | 1352823 | 45.951 | ng | | 97 |
| 17) 2-Methylphenol | 8.187 | 107 | 1030791 | 44.940 | ng | | 99 |
| 18) Hexachloroethane | 8.816 | 117 | 514776 | 45.026 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.546 | 70 | 875299 | 41.640 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.516 | 107 | 1376966 | 43.696 | ng | | 99 |
| 22) Acetophenone | 8.558 | 105 | 1795686 | 42.697 | ng | # | 99 |
| 24) Nitrobenzene | 8.934 | 77 | 1303028 | 44.800 | ng | | 99 |
| 25) Isophorone | 9.463 | 82 | 2368131 | 46.856 | ng | | 100 |
| 26) 2-Nitrophenol | 9.640 | 139 | 627546 | 45.169 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.705 | 122 | 1133961 | 63.474 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 9.934 | 93 | 1573265 | 44.249 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.175 | 162 | 1082112 | 44.776 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.387 | 180 | 1171441 | 43.873 | ng | | 99 |
| 31) Naphthalene | 10.575 | 128 | 3743698 | 42.455 | ng | | 100 |
| 32) Benzoic acid | 9.858 | 122 | 750176 | 43.056 | ng | | 98 |
| 33) 4-Chloroaniline | 10.681 | 127 | 669606 | 21.219 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.858 | 225 | 682737 | 44.429 | ng | | 98 |
| 35) Caprolactam | 11.481 | 113 | 343442 | 43.361 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 11.822 | 107 | 1139474 | 43.706 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.187 | 142 | 2281446 | 38.297 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.410 | 142 | 2380994 | 41.093 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.563 | 216 | 1194871 | 43.785 | ng | # | 98 |
| 41) Hexachlorocyclopentadiene | 12.540 | 237 | 1638893 | 166.606 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.804 | 196 | 814676 | 46.974 | ng | | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024213.D
Acq On : 08 Apr 2025 15:04
Operator : RC/JU
Sample : PB167474BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Quant Time: Apr 09 07:14:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

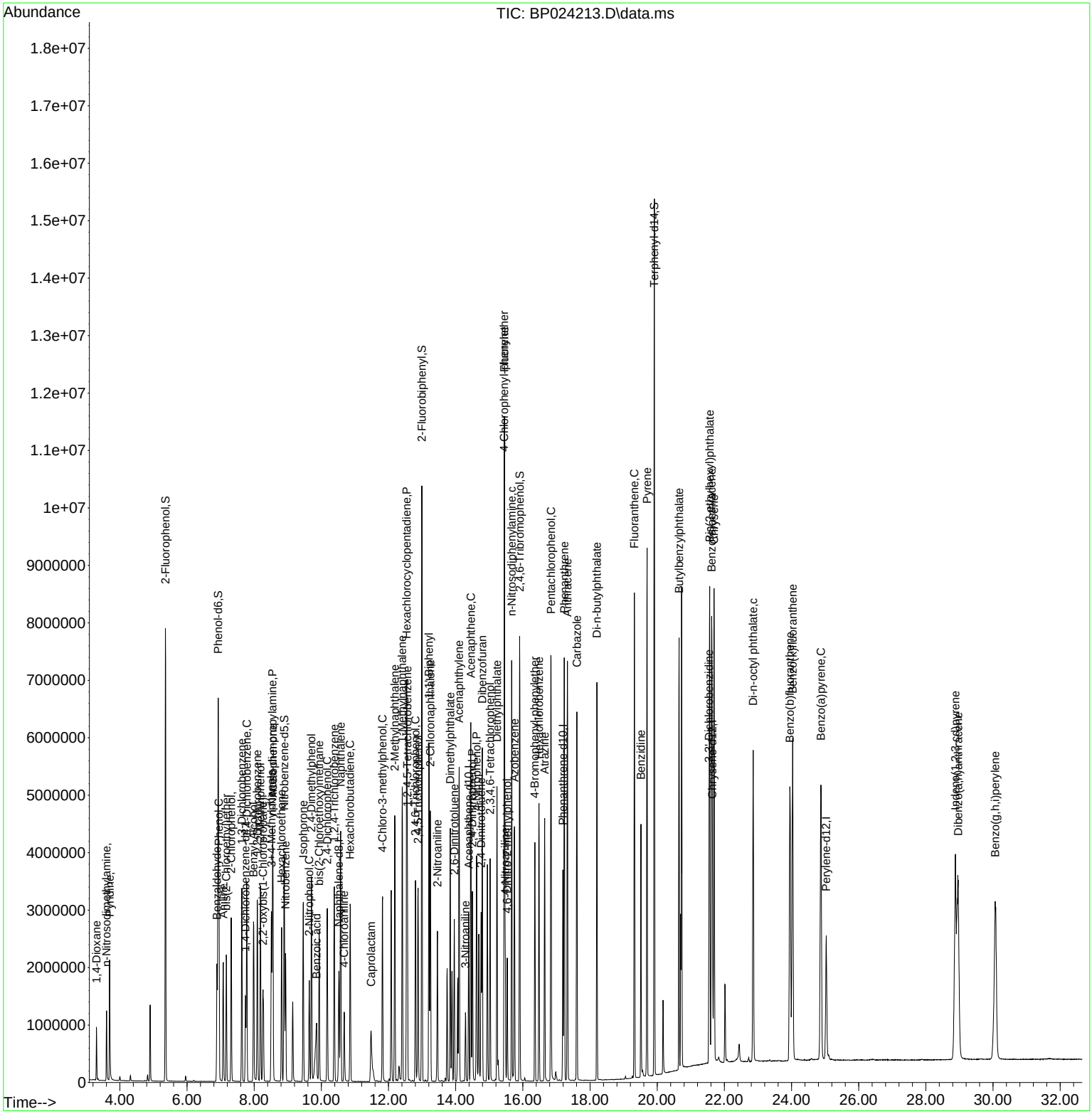
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.881 | 196 | 888862 | 46.734 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.204 | 154 | 3103109 | 43.742 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.246 | 162 | 2368493 | 44.388 | ng | 99 |
| 48) 2-Nitroaniline | 13.457 | 65 | 667776 | 48.929 | ng | 99 |
| 49) Acenaphthylene | 14.104 | 152 | 3930242 | 48.678 | ng | 100 |
| 50) Dimethylphthalate | 13.840 | 163 | 2902999 | 43.947 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.957 | 165 | 642545 | 46.231 | ng | 98 |
| 52) Acenaphthene | 14.451 | 154 | 2281542 | 44.228 | ng | 99 |
| 53) 3-Nitroaniline | 14.293 | 138 | 351575 | 23.421 | ng | 95 |
| 54) 2,4-Dinitrophenol | 14.498 | 184 | 797386 | 108.426 | ng | 95 |
| 55) Dibenzofuran | 14.793 | 168 | 3485847 | 41.717 | ng | 99 |
| 56) 4-Nitrophenol | 14.622 | 139 | 1264023 | 100.774 | ng | 98 |
| 57) 2,4-Dinitrotoluene | 14.757 | 165 | 905760 | 49.337 | ng | 99 |
| 58) Fluorene | 15.451 | 166 | 2838026 | 43.592 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.028 | 232 | 757390 | 45.072 | ng | 98 |
| 60) Diethylphthalate | 15.228 | 149 | 2867989 | 43.599 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.445 | 204 | 1370547 | 42.921 | ng | 96 |
| 62) 4-Nitroaniline | 15.475 | 138 | 686113 | 43.579 | ng | 99 |
| 63) Azobenzene | 15.751 | 77 | 2820252 | 45.488 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.534 | 198 | 503579 | 47.682 | ng | 96 |
| 66) n-Nitrosodiphenylamine | 15.669 | 169 | 2470564 | 45.732 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.357 | 248 | 876212 | 44.861 | ng | 98 |
| 68) Hexachlorobenzene | 16.481 | 284 | 1046300 | 45.259 | ng | 98 |
| 69) Atrazine | 16.651 | 200 | 857586 | 65.769 | ng | 99 |
| 70) Pentachlorophenol | 16.840 | 266 | 1467830 | 98.182 | ng | 100 |
| 71) Phenanthrene | 17.234 | 178 | 4354818 | 44.809 | ng | 100 |
| 72) Anthracene | 17.328 | 178 | 4420553 | 46.701 | ng | 100 |
| 73) Carbazole | 17.610 | 167 | 4212646 | 46.149 | ng | 100 |
| 74) Di-n-butylphthalate | 18.204 | 149 | 4955128 | 45.727 | ng | 100 |
| 75) Fluoranthene | 19.322 | 202 | 4988049 | 44.315 | ng | 99 |
| 77) Benzidine | 19.516 | 184 | 2145257 | 109.696 | ng | 100 |
| 78) Pyrene | 19.698 | 202 | 5077322 | 45.659 | ng | 100 |
| 80) Butylbenzylphthalate | 20.651 | 149 | 2219339 | 48.397 | ng | 97 |
| 81) Benzo(a)anthracene | 21.622 | 228 | 5116502 | 46.009 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.545 | 252 | 1098884 | 29.483 | ng | 100 |
| 83) Chrysene | 21.692 | 228 | 4802411 | 44.922 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.563 | 149 | 3315716 | 47.919 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.857 | 149 | 5273316 | 47.566 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.880 | 276 | 6357522 | 47.685 | ng | 99 |
| 88) Benzo(b)fluoranthene | 23.951 | 252 | 5122724 | 44.476 | ng | 98 |
| 89) Benzo(k)fluoranthene | 24.033 | 252 | 5180476 | 45.980 | ng | 100 |
| 90) Benzo(a)pyrene | 24.874 | 252 | 4935291 | 49.276 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.962 | 278 | 5257429 | 47.399 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 30.062 | 276 | 5114163 | 45.357 | ng | 99 |

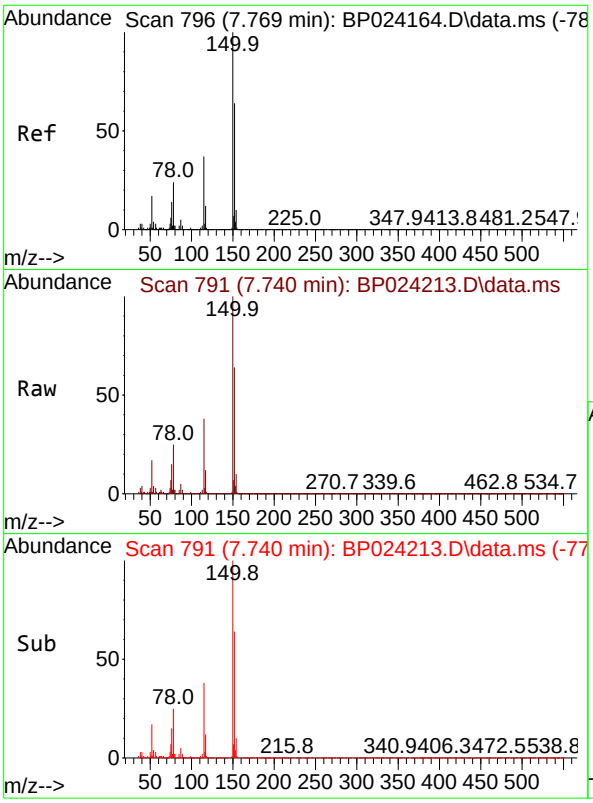
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024213.D
Acq On : 08 Apr 2025 15:04
Operator : RC/JU
Sample : PB167474BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Quant Time: Apr 09 07:14:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration



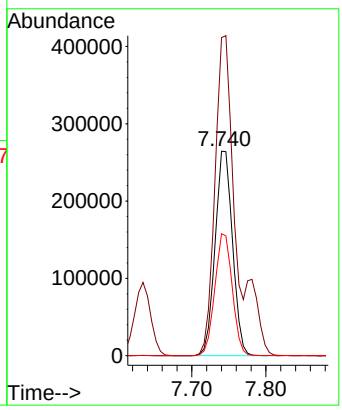


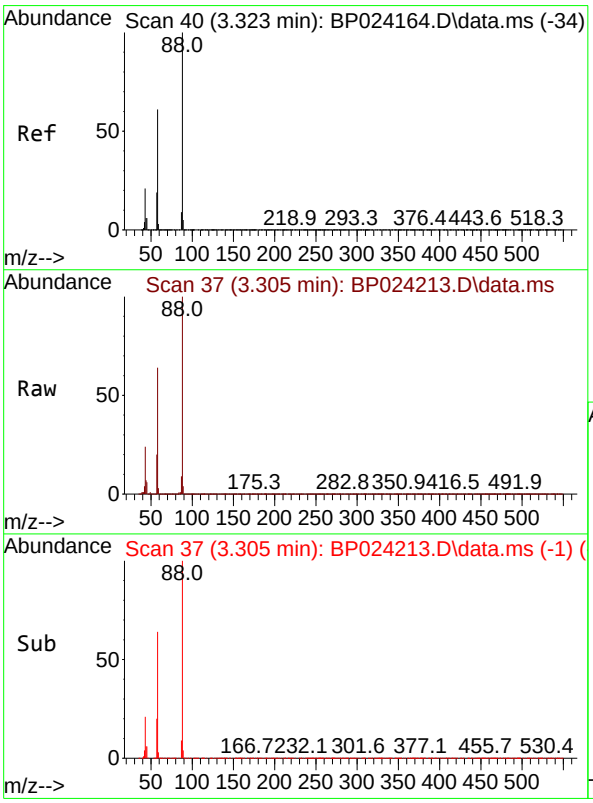

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.029 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:152 Resp: 432520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.6 | 125.5 | 188.3 |
| 115 | 59.6 | 46.3 | 69.5 |

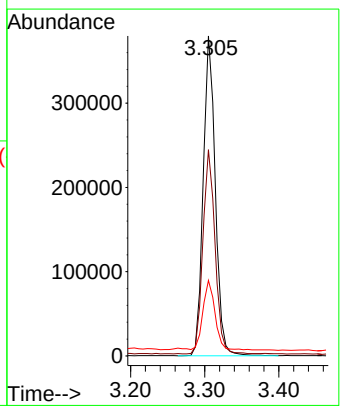


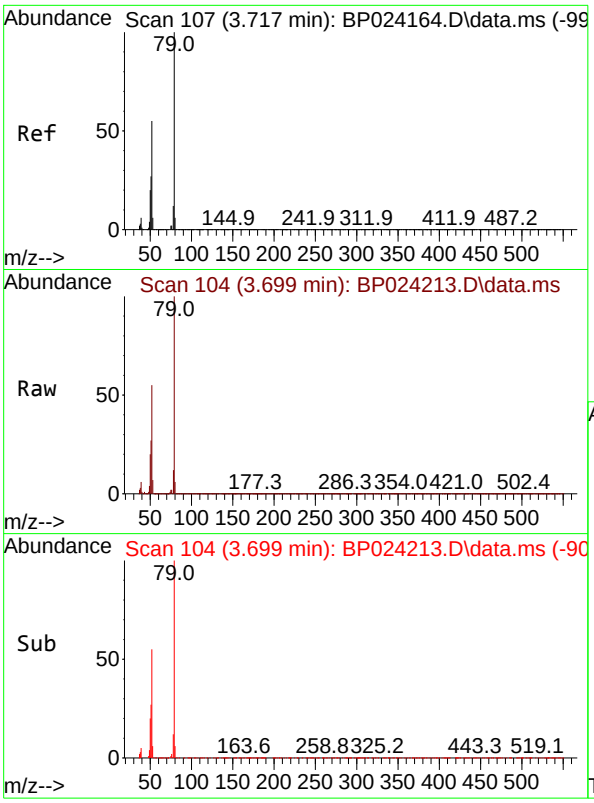




#2
1,4-Dioxane
Concen: 40.037 ng
RT: 3.305 min Scan# 37
Delta R.T. -0.018 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion: 88 Resp: 430011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 64.2 | 49.8 | 74.6 |
| 43 | 21.7 | 17.3 | 25.9 |



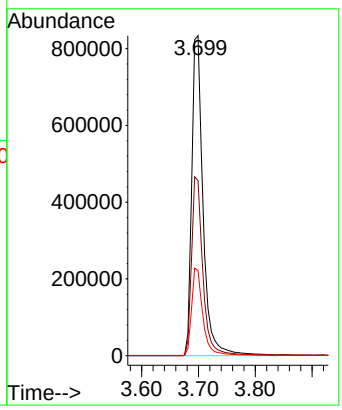


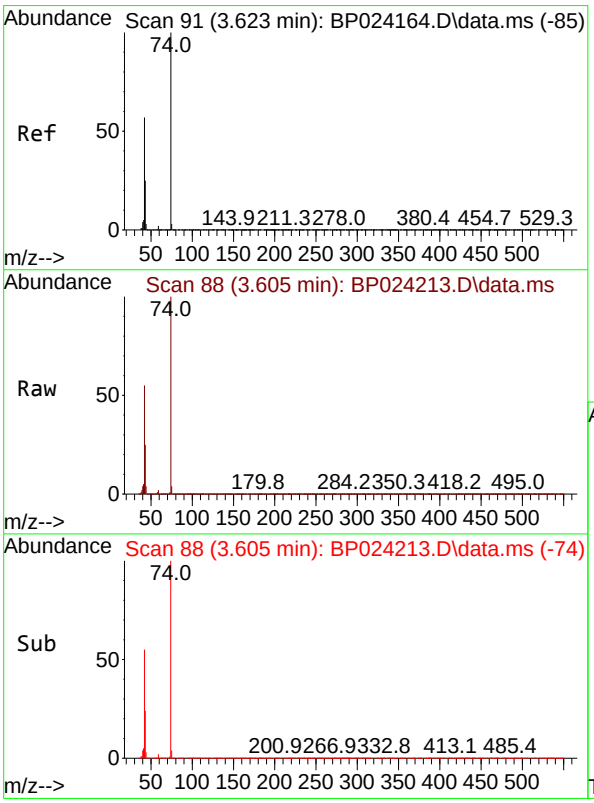

#3
Pyridine
Concen: 39.624 ng
RT: 3.699 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion: 79 Resp: 1163440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 54.7 | 43.8 | 65.8 |
| 51 | 26.6 | 21.6 | 32.4 |

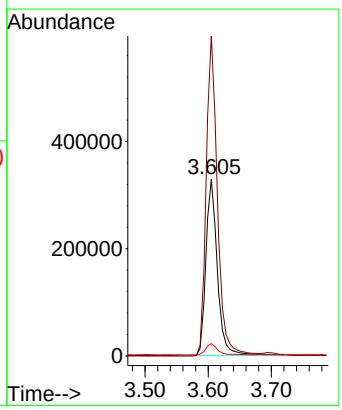


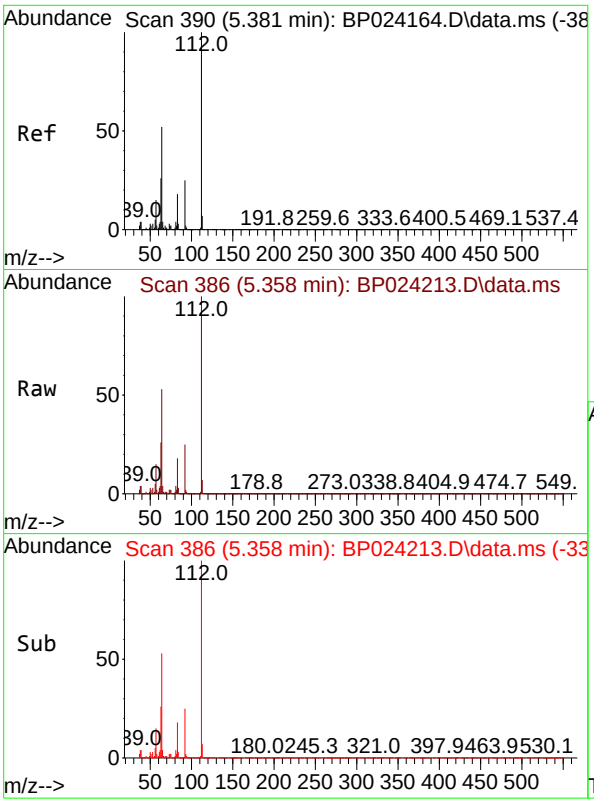




#4
n-Nitrosodimethylamine
Concen: 42.522 ng
RT: 3.605 min Scan# 88
Delta R.T. -0.018 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion: 42 Resp: 417062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 181.0 | 139.8 | 209.6 |
| 44 | 6.9 | 5.3 | 7.9 |



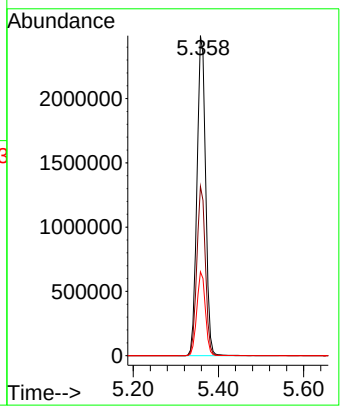


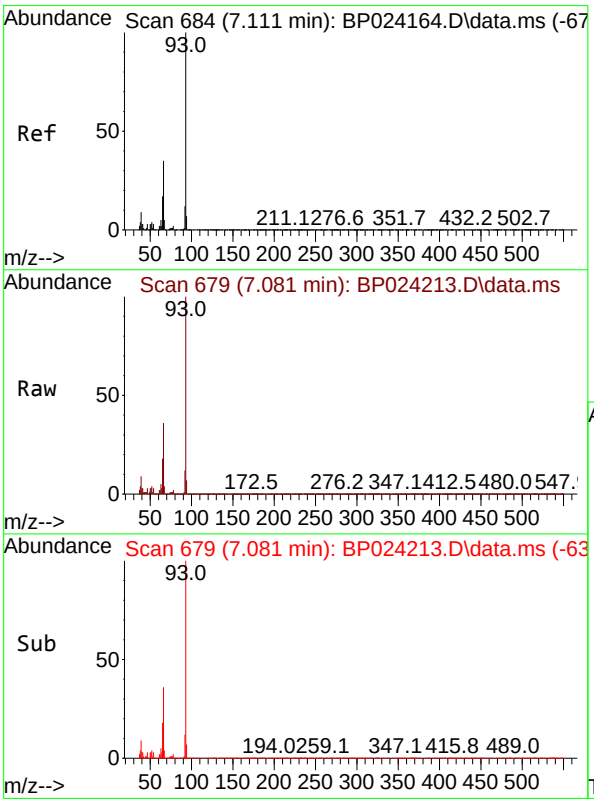

#5
2-Fluorophenol
Concen: 128.767 ng
RT: 5.358 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:112 Resp: 3488994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.9 | 41.3 | 61.9 |
| 63 | 26.2 | 20.6 | 31.0 |

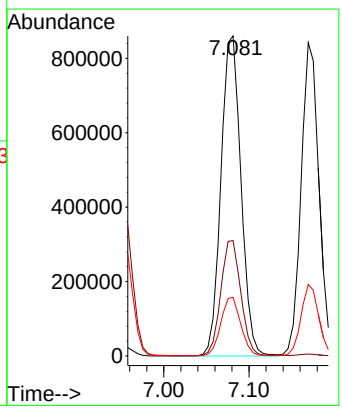


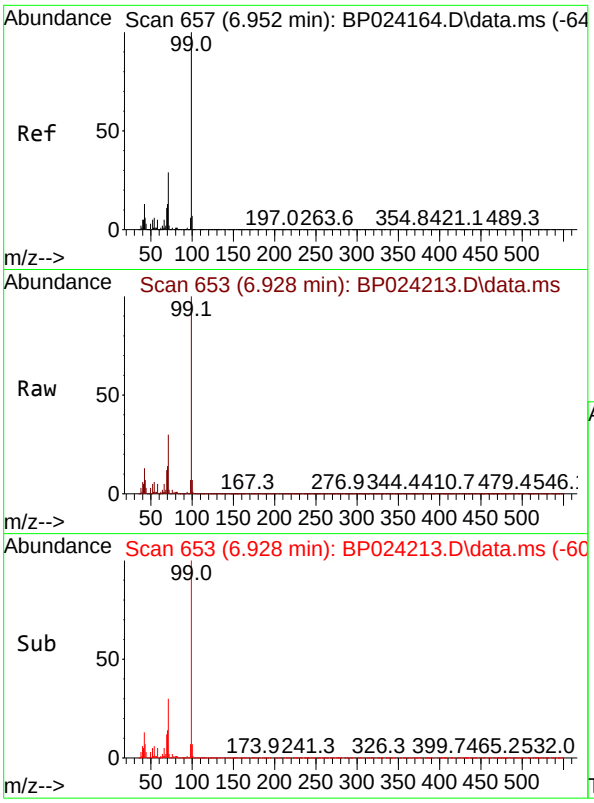




#6
Aniline
Concen: 42.554 ng
RT: 7.081 min Scan# 679
Delta R.T. -0.029 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion: 93 Resp: 1404797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 36.1 | 28.2 | 42.2 |
| 65 | 18.3 | 14.0 | 21.0 |



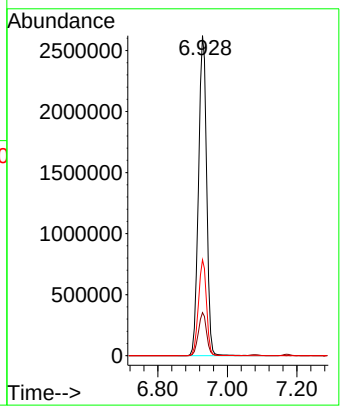


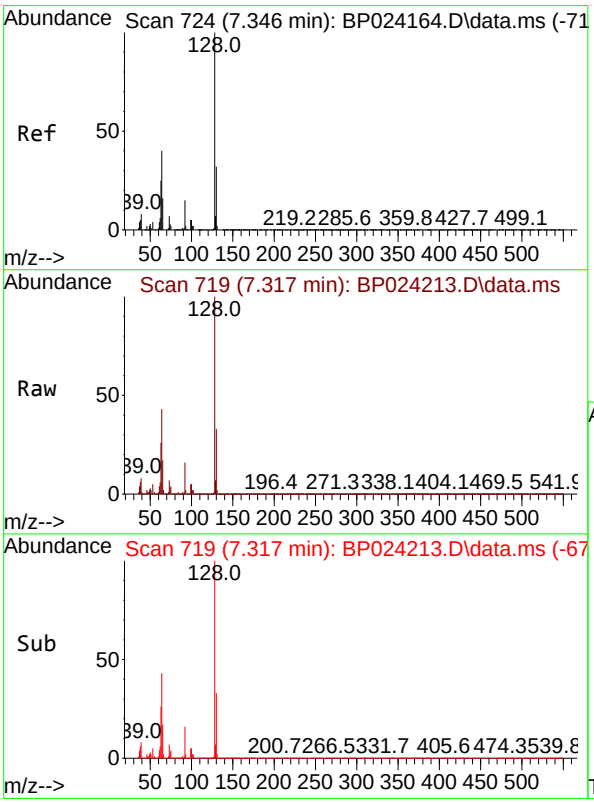

#7
Phenol-d6
Concen: 117.362 ng
RT: 6.928 min Scan# 6
Delta R.T. -0.023 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion: 99 Resp: 4252456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.4 | 10.6 | 16.0 |
| 71 | 29.9 | 23.3 | 34.9 |

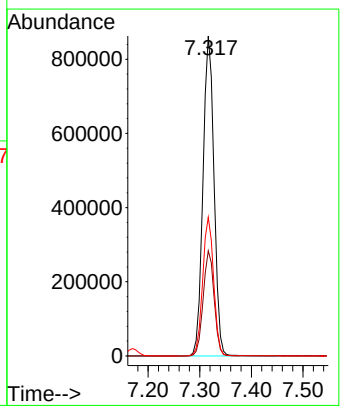


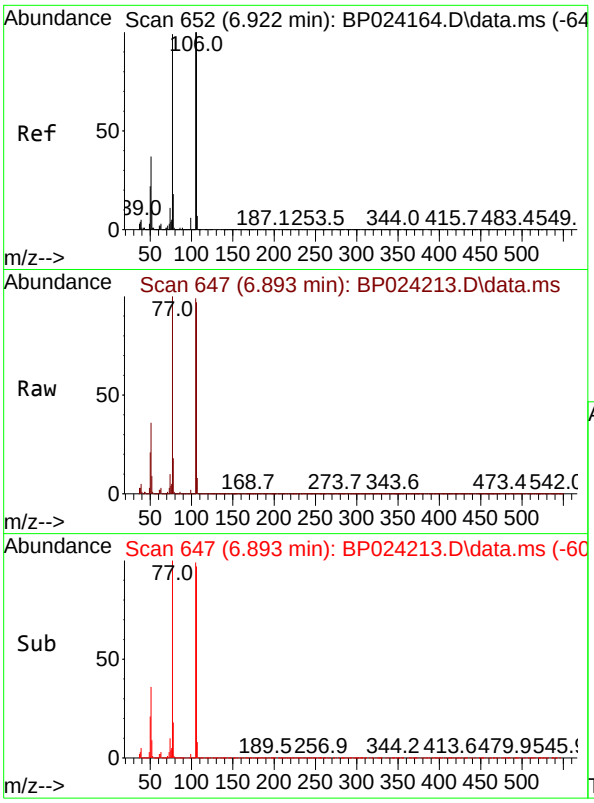




#8
2-Chlorophenol
Concen: 43.779 ng
RT: 7.317 min Scan# 719
Delta R.T. -0.029 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:128 Resp: 1281285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.9 | 12.0 | 52.0 |
| 64 | 43.3 | 21.6 | 61.6 |



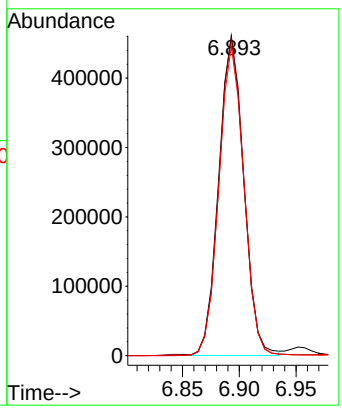


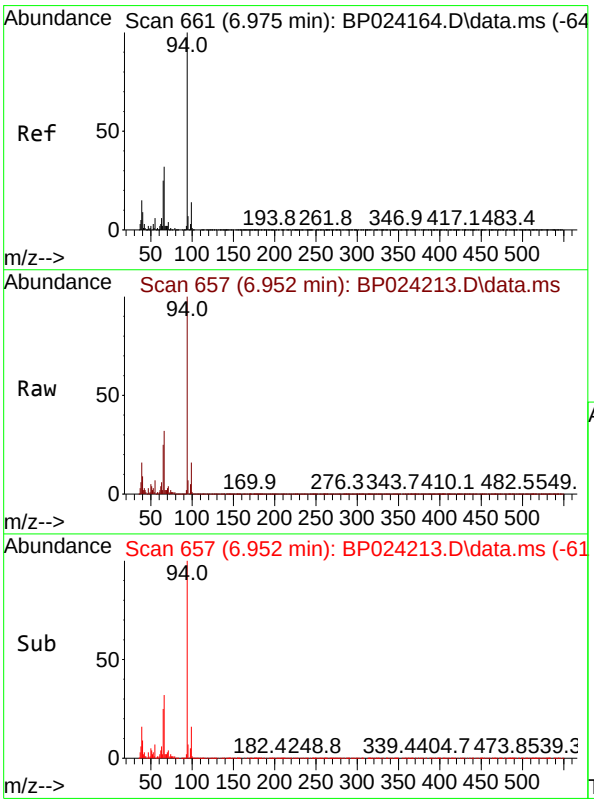

#9
Benzaldehyde
Concen: 40.260 ng
RT: 6.893 min Scan# 64
Delta R.T. -0.029 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion: 77 Resp: 703975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.3 | 81.4 | 121.4 |
| 106 | 96.8 | 81.1 | 121.1 |

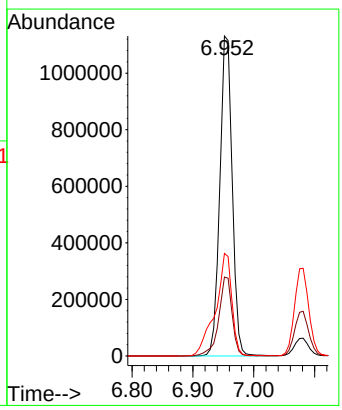


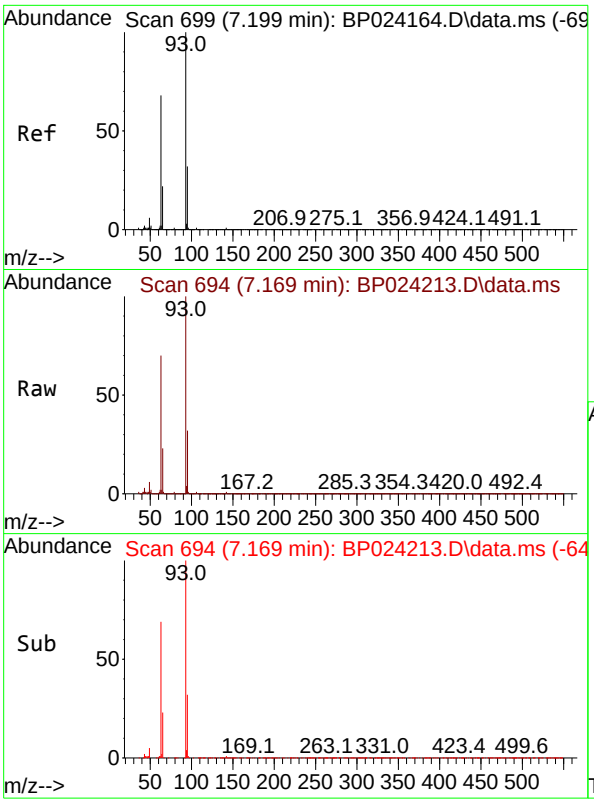




#10
Phenol
Concen: 43.772 ng
RT: 6.952 min Scan# 657
Delta R.T. -0.023 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion: 94 Resp: 1601100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 24.7 | 4.9 | 44.9 |
| 66 | 32.1 | 11.9 | 51.9 |



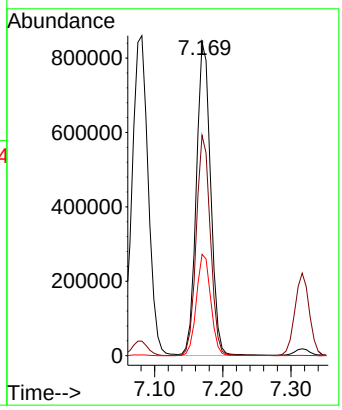


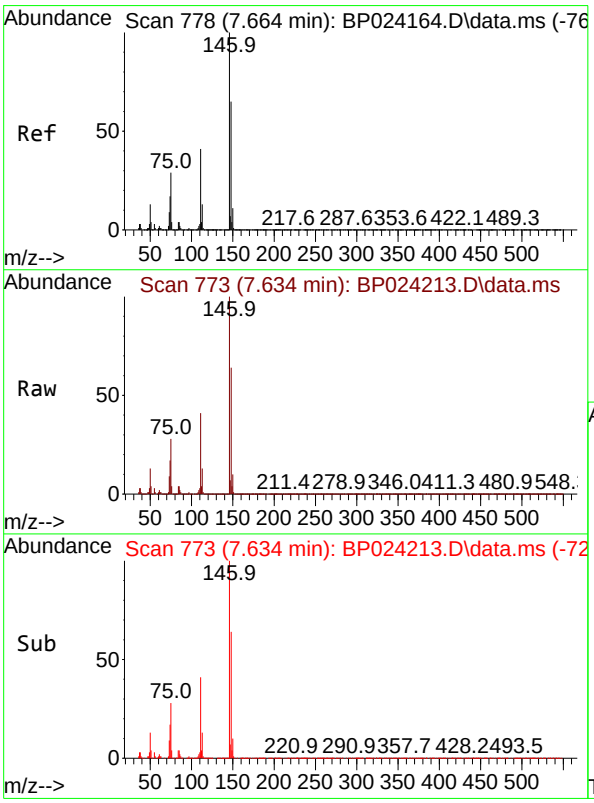

#11
bis(2-Chloroethyl)ether
Concen: 42.589 ng
RT: 7.169 min Scan# 6
Delta R.T. -0.029 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion: 93 Resp: 1228503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 70.3 | 47.4 | 87.4 |
| 95 | 32.3 | 12.1 | 52.1 |

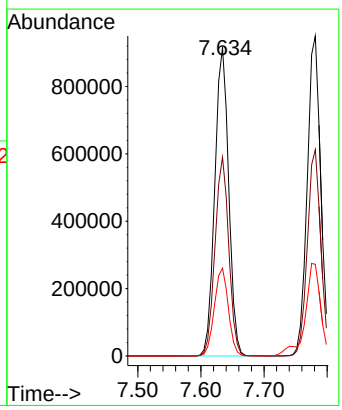


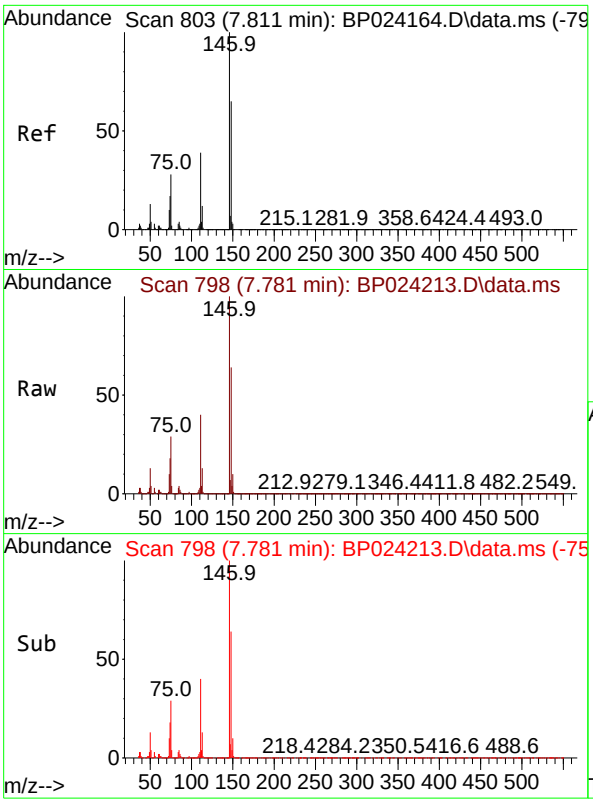




#12
1,3-Dichlorobenzene
Concen: 44.276 ng
RT: 7.634 min Scan# 773
Delta R.T. -0.029 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:146 Resp: 1397403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 51.6 | 77.4 |
| 75 | 28.4 | 22.8 | 34.2 |



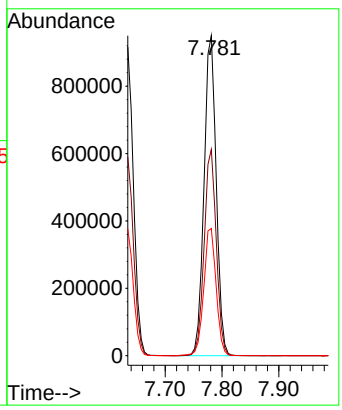


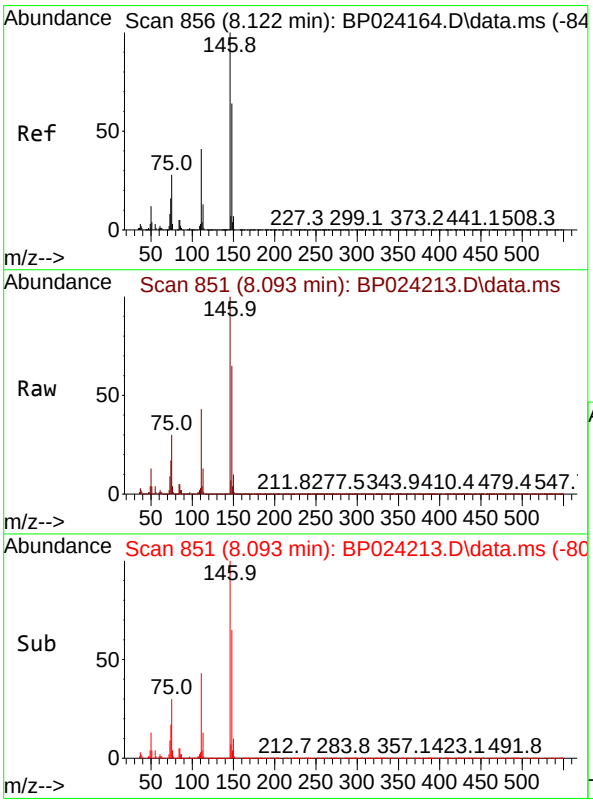

#13
1,4-Dichlorobenzene
Concen: 43.646 ng
RT: 7.781 min Scan# 7
Delta R.T. -0.029 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:146 Resp: 1406489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.5 | 51.9 | 77.9 |
| 111 | 39.8 | 31.4 | 47.2 |

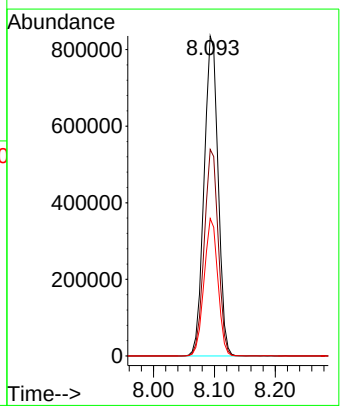


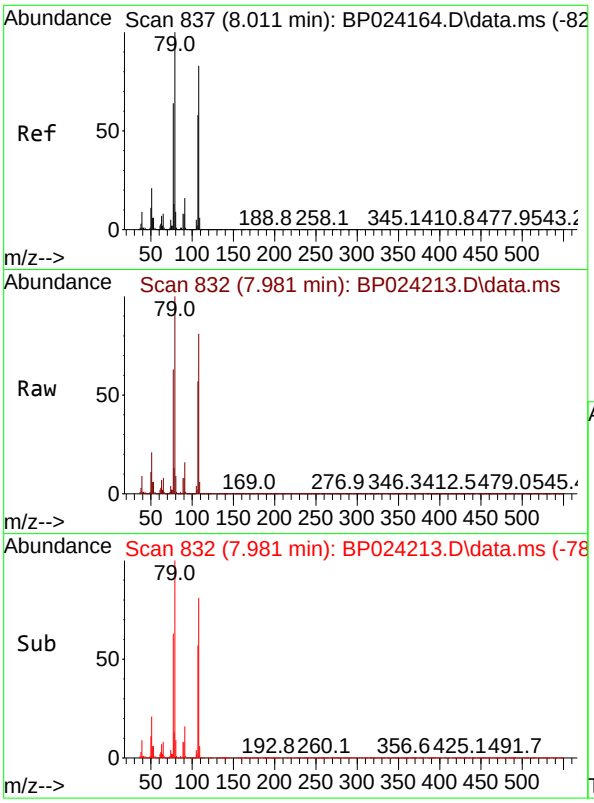




#14
1,2-Dichlorobenzene
Concen: 43.359 ng
RT: 8.093 min Scan# 851
Delta R.T. -0.029 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:146 Resp: 1340828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.5 | 51.4 | 77.2 |
| 111 | 42.9 | 33.2 | 49.8 |



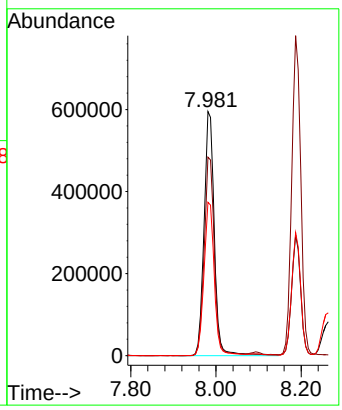


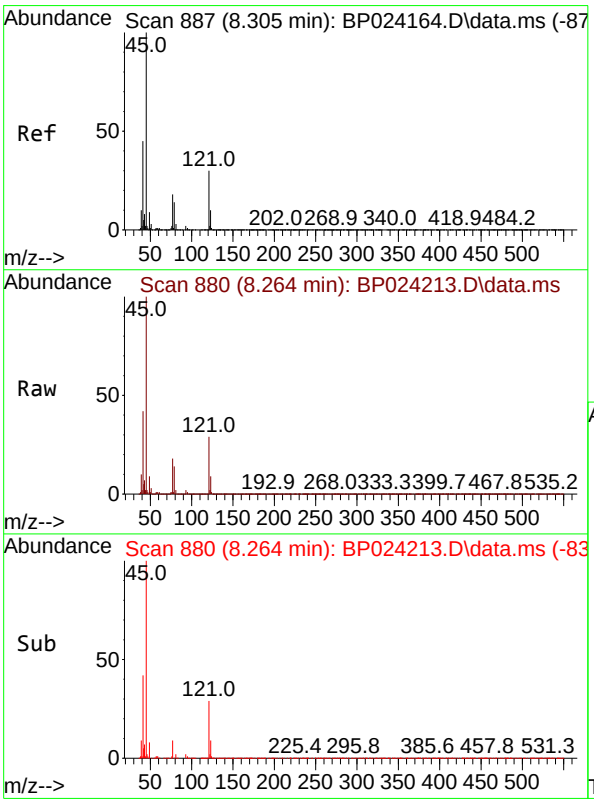

#15
Benzyl Alcohol
Concen: 43.426 ng
RT: 7.981 min Scan# 8
Delta R.T. -0.029 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion: 79 Resp: 996163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 81.4 | 66.5 | 99.7 |
| 77 | 62.9 | 50.9 | 76.3 |

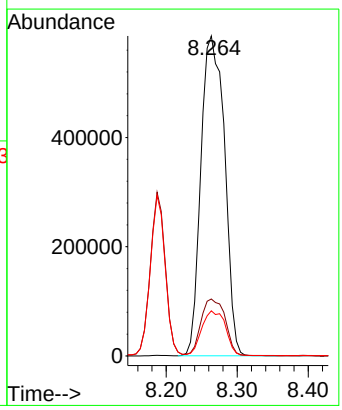


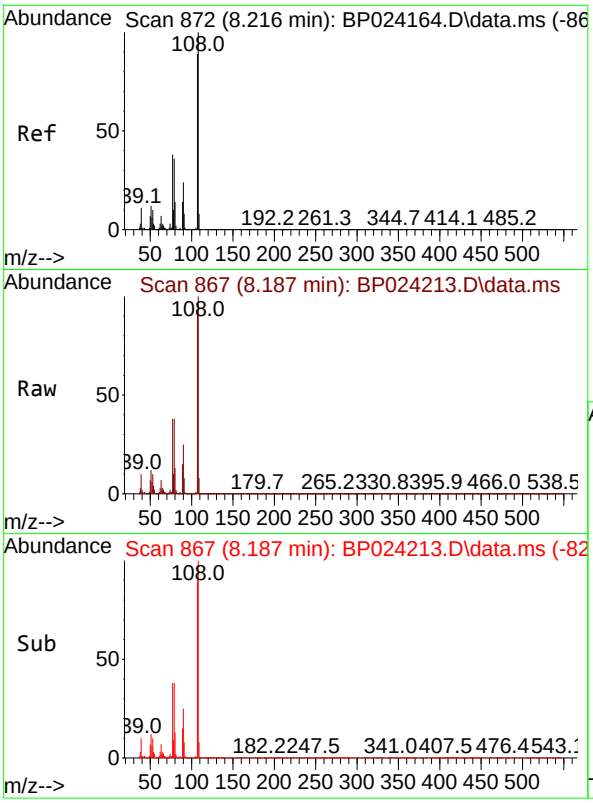




#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.951 ng
RT: 8.264 min Scan# 880
Delta R.T. -0.041 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion: 45 Resp: 1352823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 17.8 | 0.0 | 39.0 |
| 79 | 14.1 | 0.0 | 35.6 |



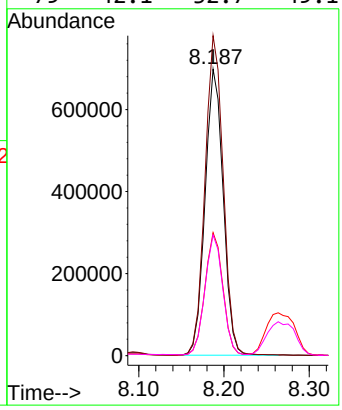


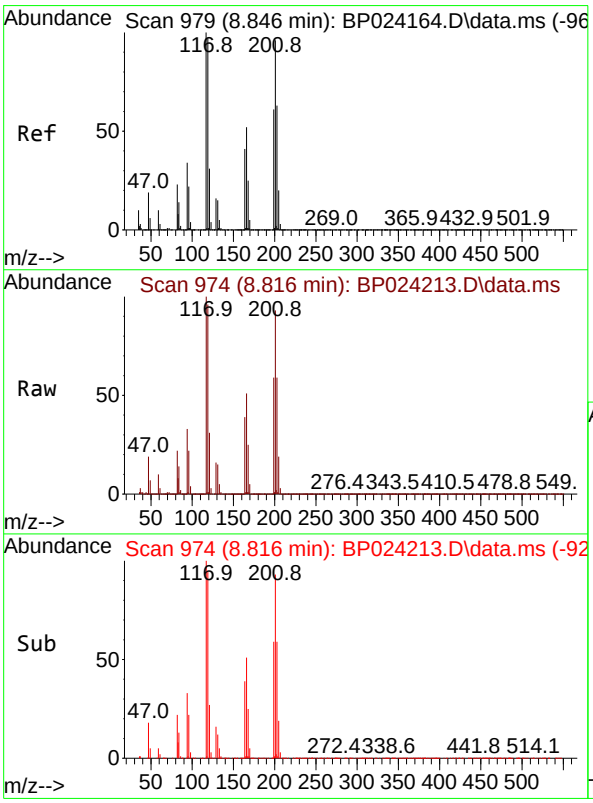

#17
2-Methylphenol
Concen: 44.940 ng
RT: 8.187 min Scan# 8
Delta R.T. -0.029 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:107 Resp: 1030791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.7 | 90.0 | 135.0 |
| 77 | 42.9 | 34.0 | 51.0 |
| 79 | 42.1 | 32.7 | 49.1 |

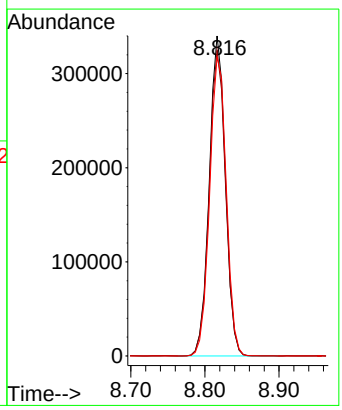


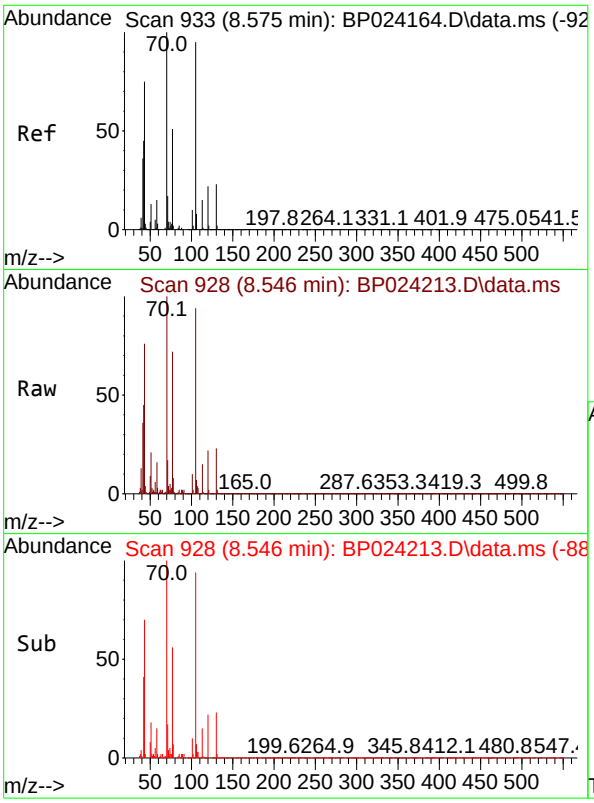




#18
Hexachloroethane
Concen: 45.026 ng
RT: 8.816 min Scan# 974
Delta R.T. -0.029 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:117 Resp: 514776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.5 | 77.4 | 116.0 |
| 201 | 93.5 | 76.6 | 114.8 |



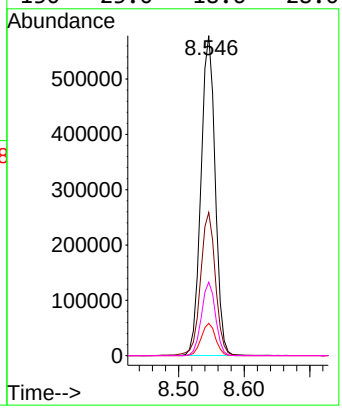


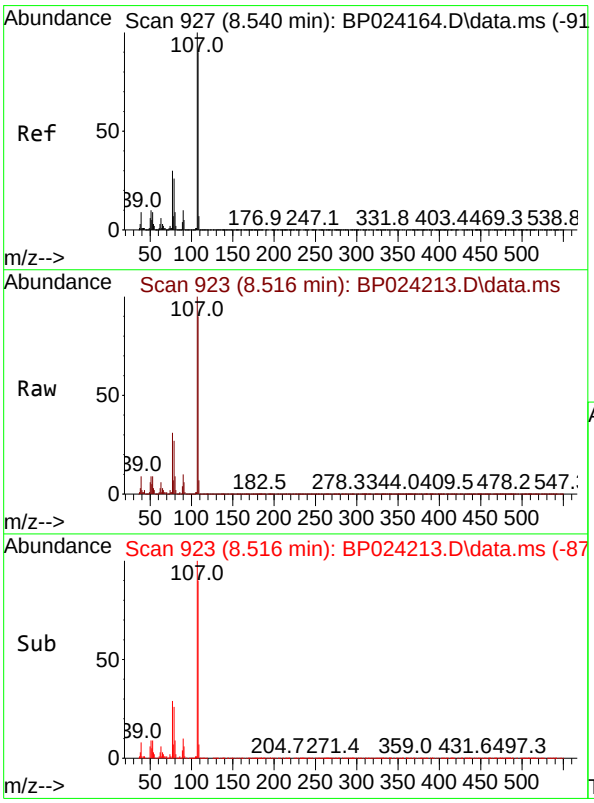

#19
n-Nitroso-di-n-propylamine
Concen: 41.640 ng
RT: 8.546 min Scan# 9
Delta R.T. -0.029 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion: 70 Resp: 875299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 44.7 | 36.0 | 54.0 |
| 101 | 10.1 | 8.3 | 12.5 |
| 130 | 23.0 | 18.6 | 28.0 |

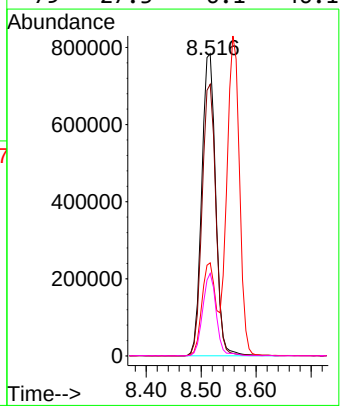


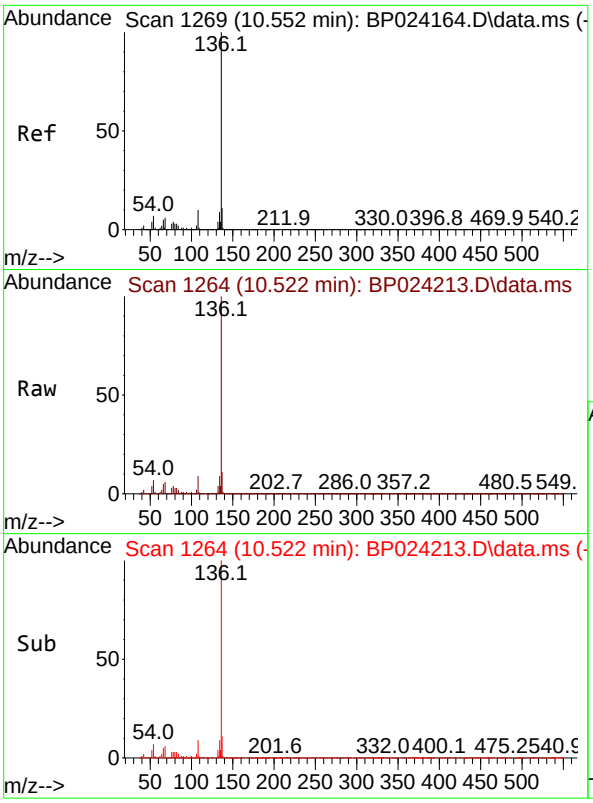




#20
3+4-Methylphenols
Concen: 43.696 ng
RT: 8.516 min Scan# 923
Delta R.T. -0.023 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:107 Resp: 1376966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.9 | 69.7 | 109.7 |
| 77 | 30.8 | 10.3 | 50.3 |
| 79 | 27.3 | 6.1 | 46.1 |



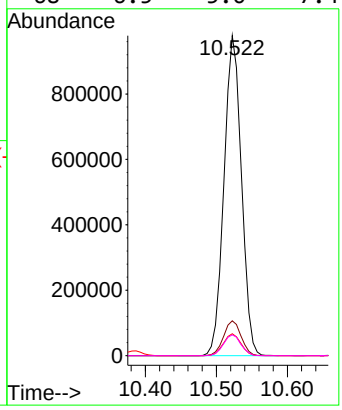


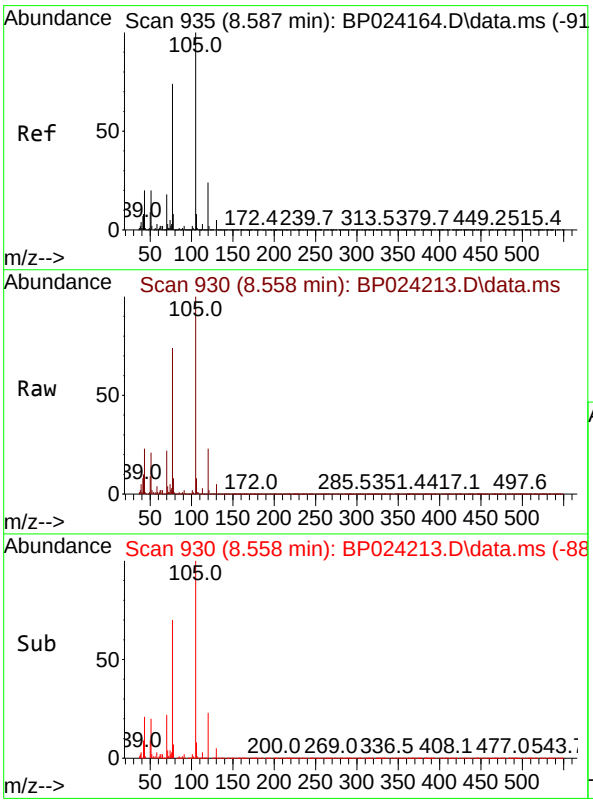

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.522 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:136 Resp: 1663507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.0 | 13.4 |
| 54 | 6.9 | 5.3 | 7.9 |
| 68 | 6.5 | 5.0 | 7.4 |

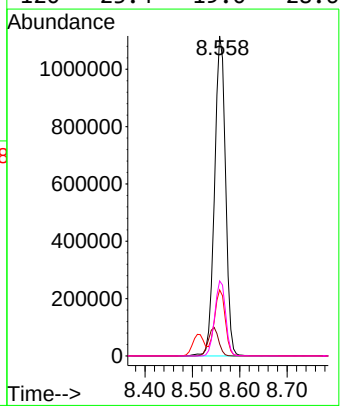


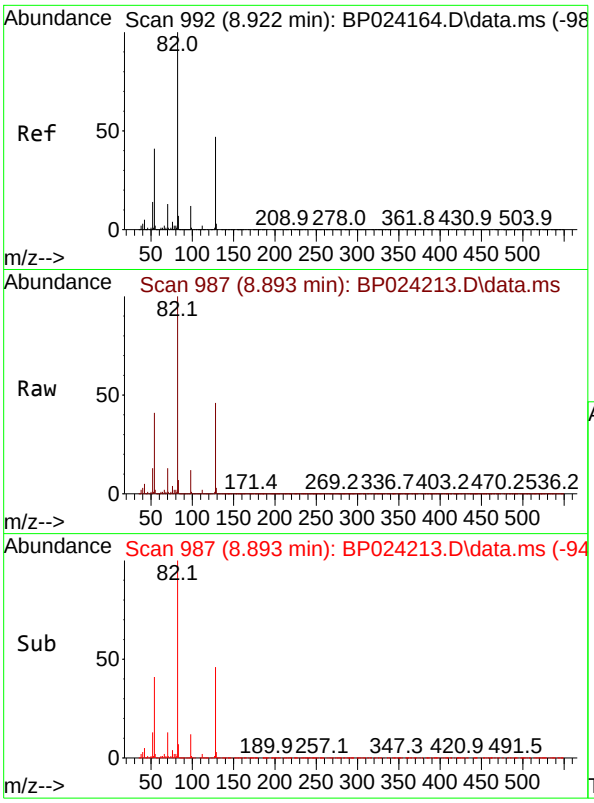




#22
Acetophenone
Concen: 42.697 ng
RT: 8.558 min Scan# 930
Delta R.T. -0.029 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:105 Resp: 1795686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 3.8 | 2.4 | 3.6# |
| 51 | 20.7 | 16.2 | 24.2 |
| 120 | 23.4 | 19.0 | 28.6 |



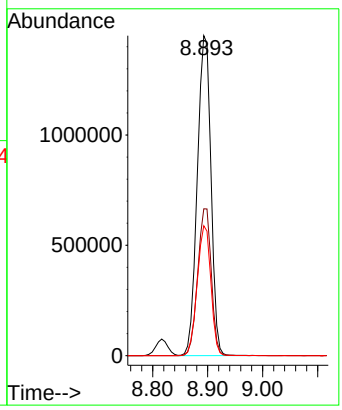


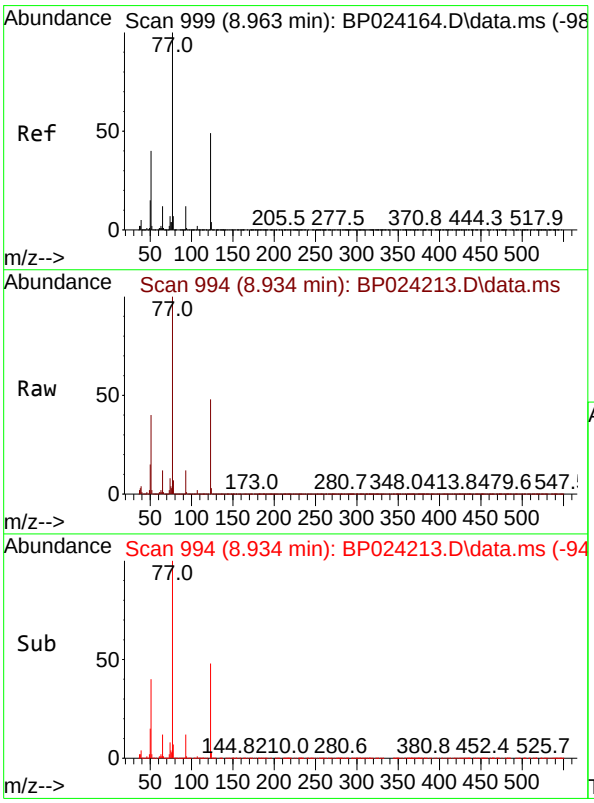

#23
Nitrobenzene-d5
Concen: 85.061 ng
RT: 8.893 min Scan# 9
Delta R.T. -0.029 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion: 82 Resp: 2507924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.9 | 37.4 | 56.0 |
| 54 | 40.6 | 32.5 | 48.7 |

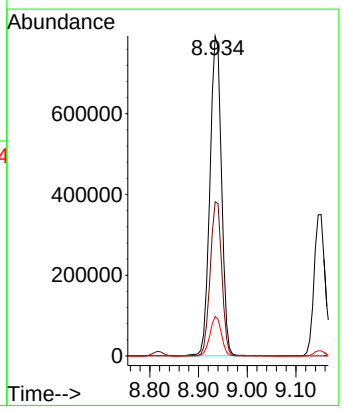


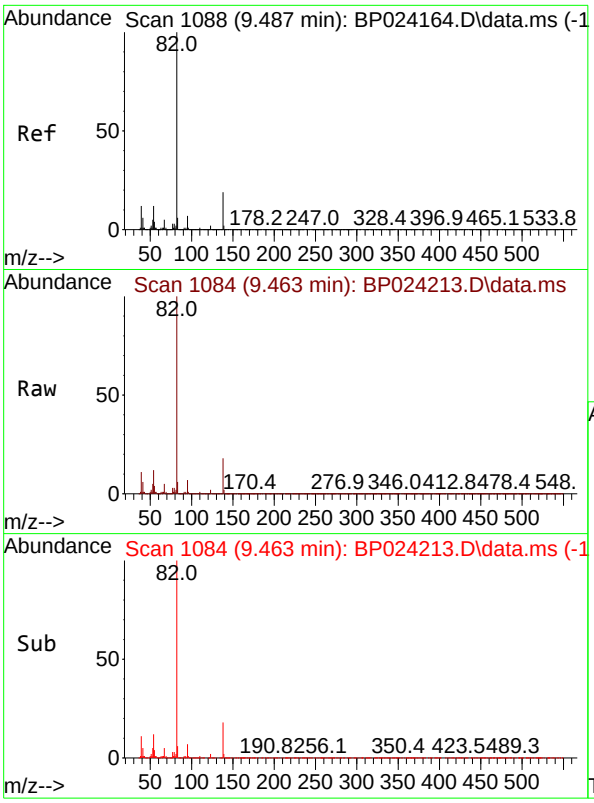




#24
Nitrobenzene
Concen: 44.800 ng
RT: 8.934 min Scan# 994
Delta R.T. -0.029 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion: 77 Resp: 1303028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 48.1 | 39.4 | 59.2 |
| 65 | 12.4 | 9.9 | 14.9 |



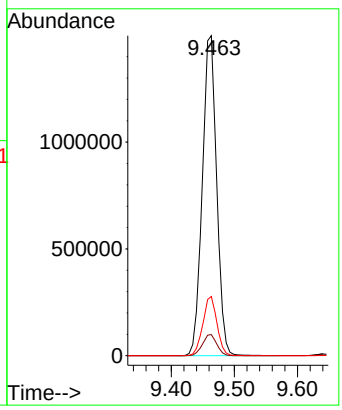


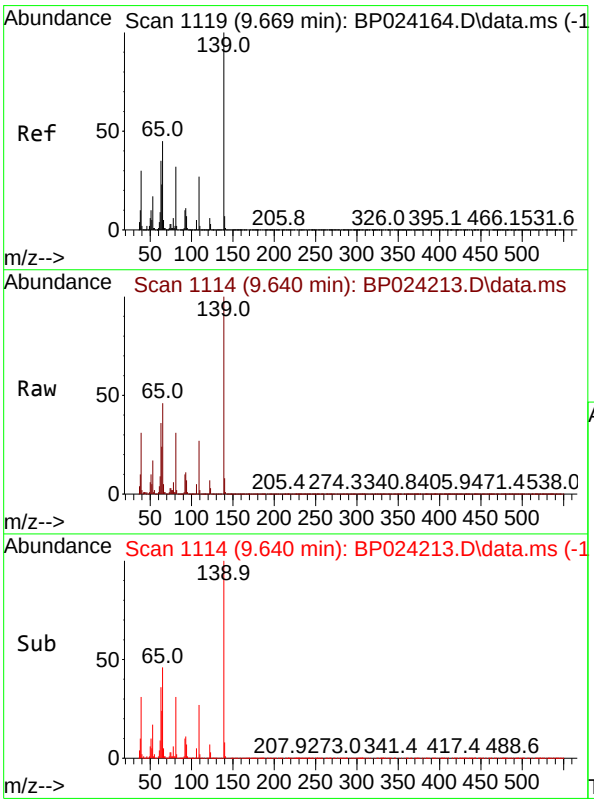

#25
Isophorone
Concen: 46.856 ng
RT: 9.463 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion: 82 Resp: 2368131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.6 | 5.3 | 7.9 |
| 138 | 18.5 | 14.8 | 22.2 |

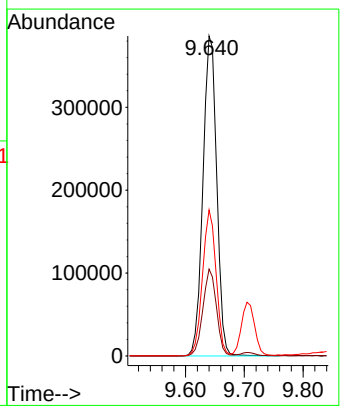


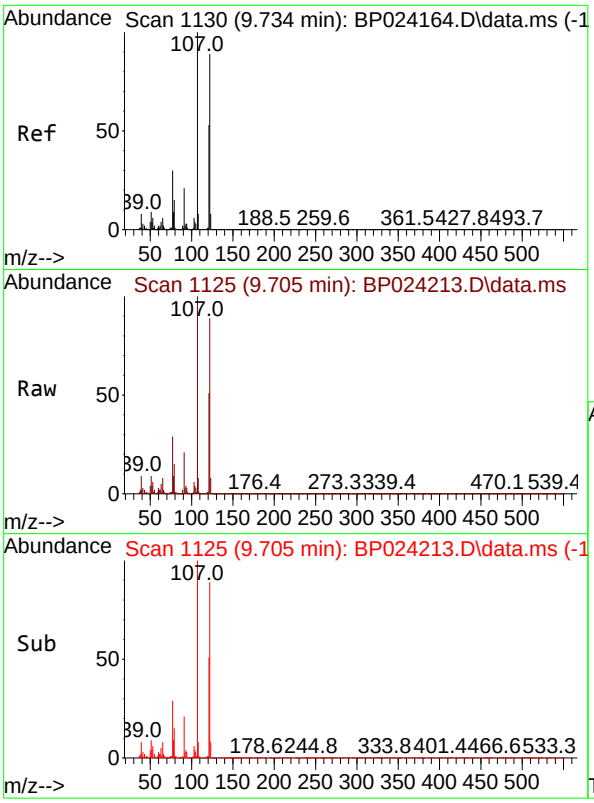




#26
2-Nitrophenol
Concen: 45.169 ng
RT: 9.640 min Scan# 1114
Delta R.T. -0.029 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:139 Resp: 627546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 27.2 | 21.7 | 32.5 |
| 65 | 45.6 | 35.8 | 53.8 |



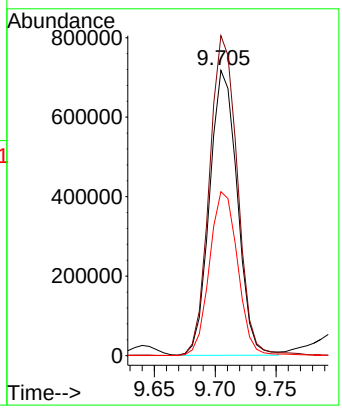


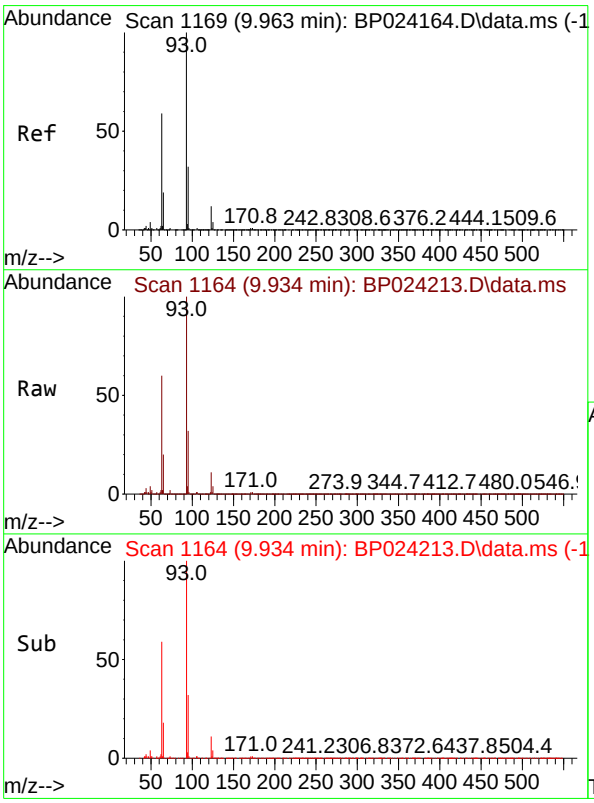

#27
2,4-Dimethylphenol
Concen: 63.474 ng
RT: 9.705 min Scan# 11
Delta R.T. -0.029 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:122 Resp: 1133961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 112.1 | 89.3 | 133.9 |
| 121 | 57.5 | 47.5 | 71.3 |

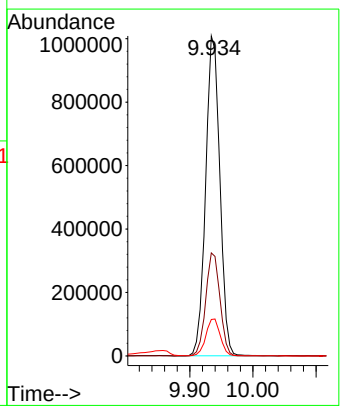


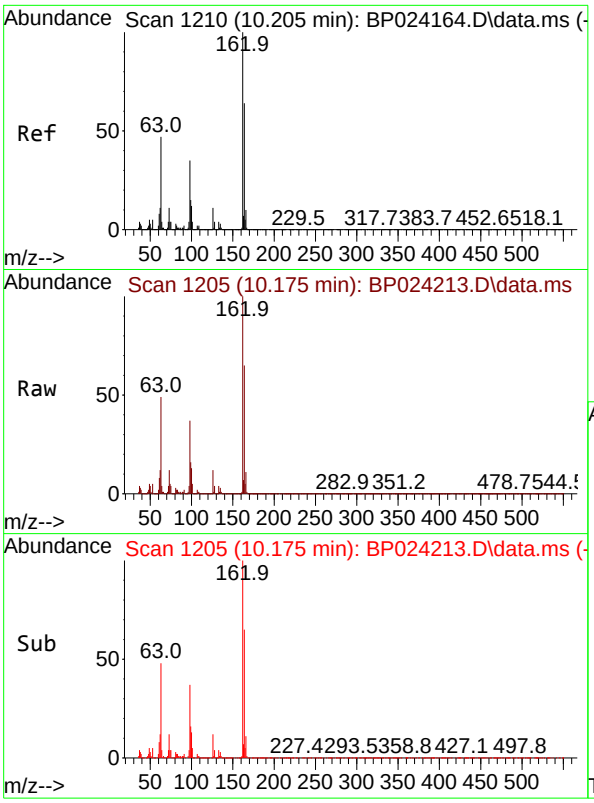




#28
bis(2-Chloroethoxy)methane
Concen: 44.249 ng
RT: 9.934 min Scan# 1164
Delta R.T. -0.029 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion: 93 Resp: 1573265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.2 | 25.9 | 38.9 |
| 123 | 11.4 | 9.5 | 14.3 |



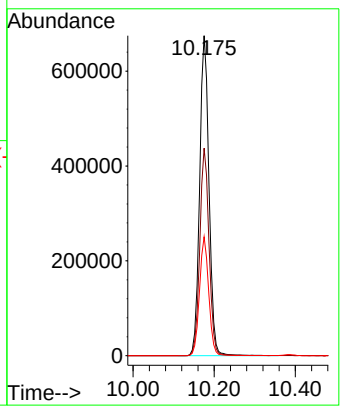


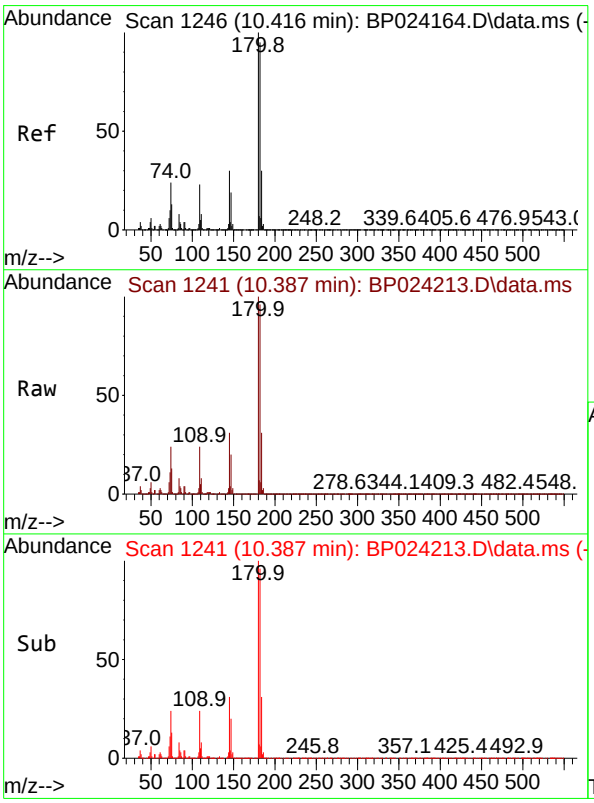

#29
2,4-Dichlorophenol
Concen: 44.776 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:162 Resp: 1082112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.9 | 44.2 | 84.2 |
| 98 | 37.1 | 15.1 | 55.1 |

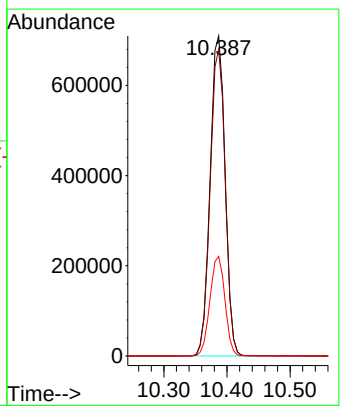


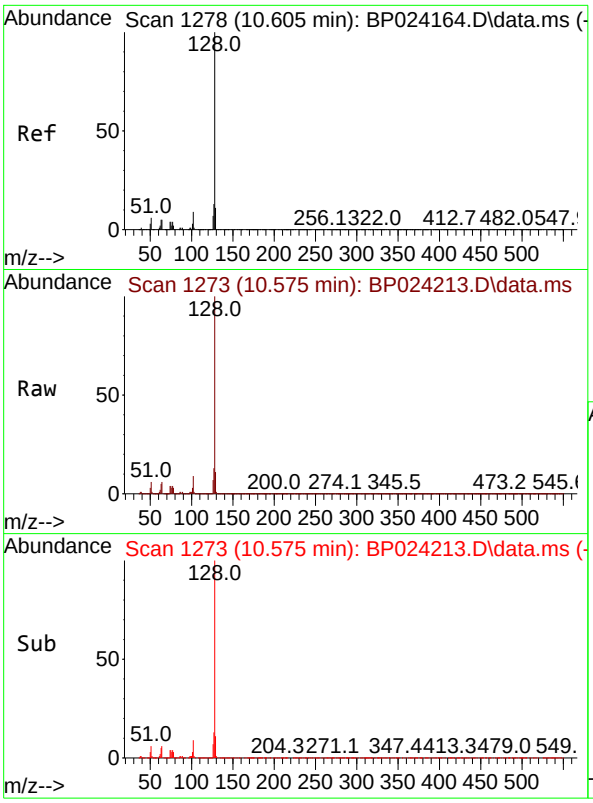




#30
1,2,4-Trichlorobenzene
Concen: 43.873 ng
RT: 10.387 min Scan# 1241
Delta R.T. -0.029 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:180 Resp: 1171441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.8 | 76.1 | 114.1 |
| 145 | 31.1 | 24.2 | 36.2 |



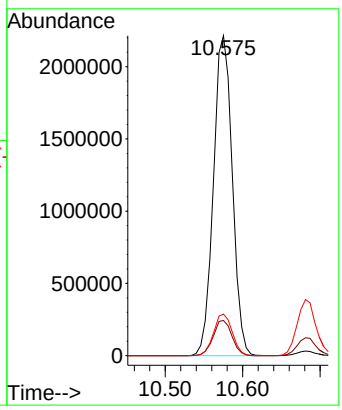


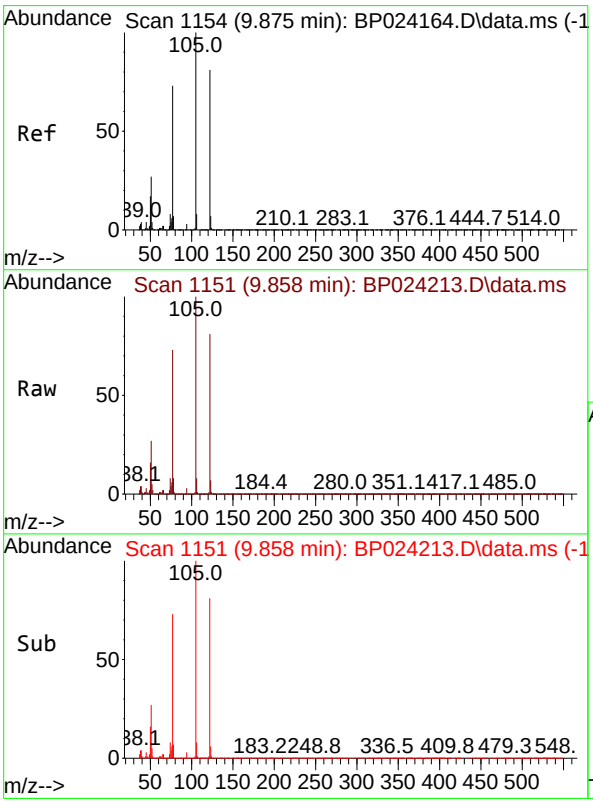

#31
Naphthalene
Concen: 42.455 ng
RT: 10.575 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:128 Resp: 3743698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.7 | 13.1 |
| 127 | 13.0 | 10.4 | 15.6 |

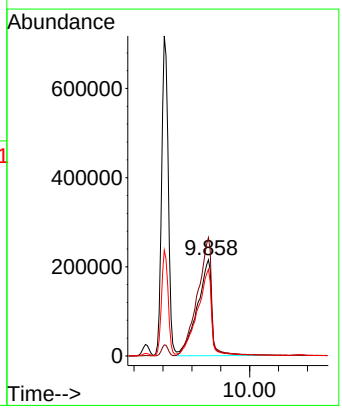


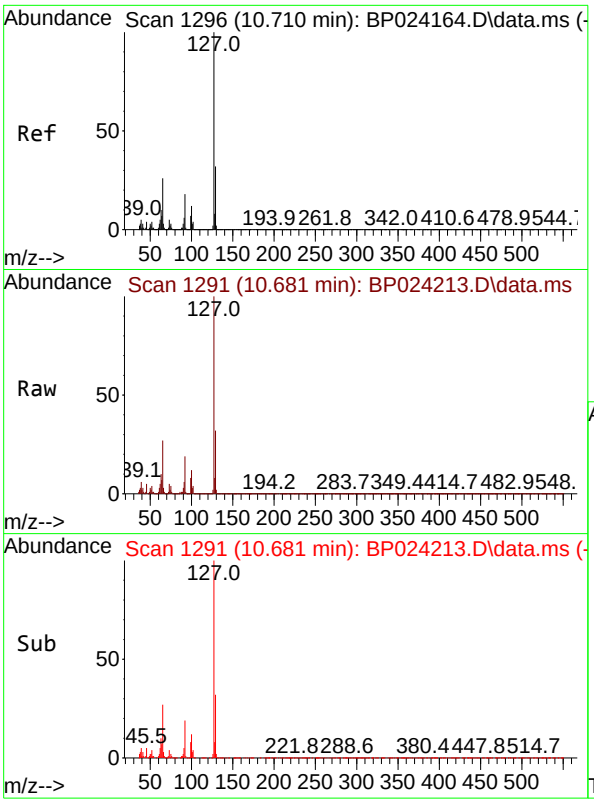




#32
Benzoic acid
Concen: 43.056 ng
RT: 9.858 min Scan# 1151
Delta R.T. -0.017 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:122 Resp: 750176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 123.1 | 100.3 | 140.3 |
| 77 | 90.1 | 69.1 | 109.1 |



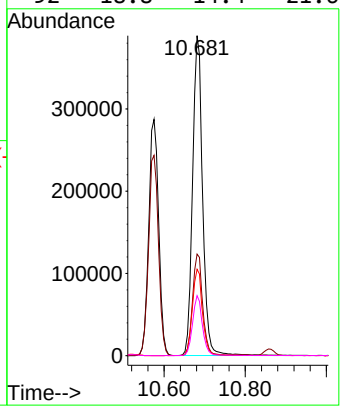


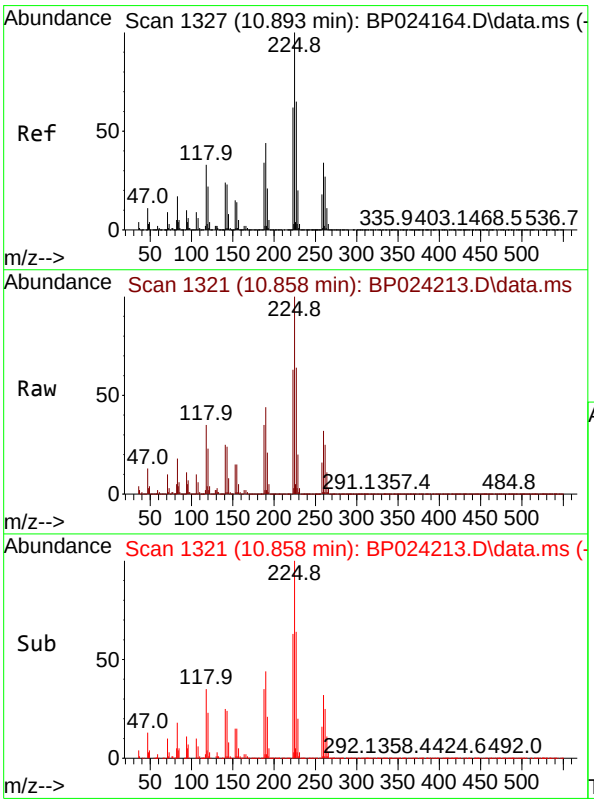

#33
4-Chloroaniline
Concen: 21.219 ng
RT: 10.681 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:127 Resp: 669606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.8 | 25.8 | 38.6 |
| 65 | 27.0 | 21.2 | 31.8 |
| 92 | 18.8 | 14.4 | 21.6 |

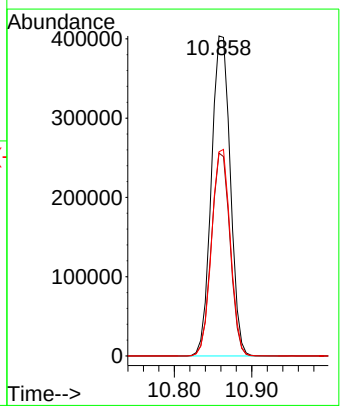


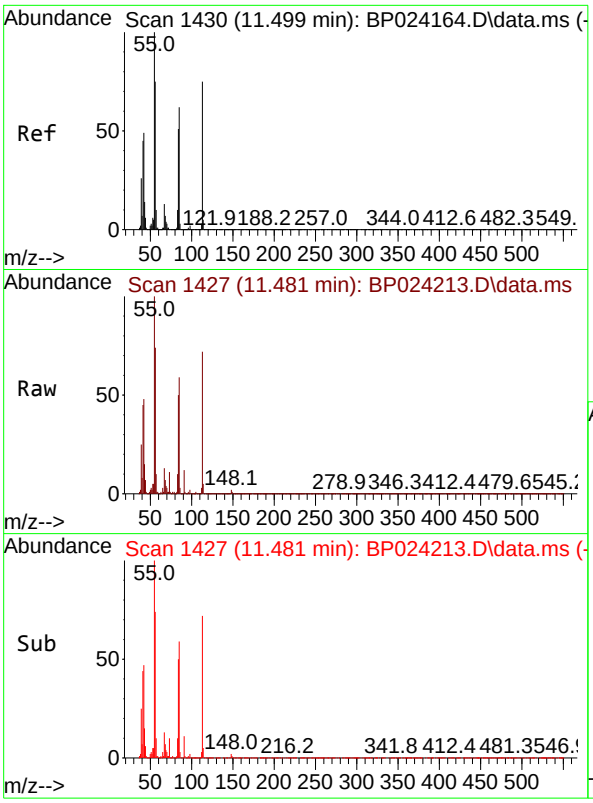




#34
Hexachlorobutadiene
Concen: 44.429 ng
RT: 10.858 min Scan# 1321
Delta R.T. -0.035 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:225 Resp: 682737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.4 | 49.9 | 74.9 |
| 227 | 63.8 | 52.2 | 78.2 |



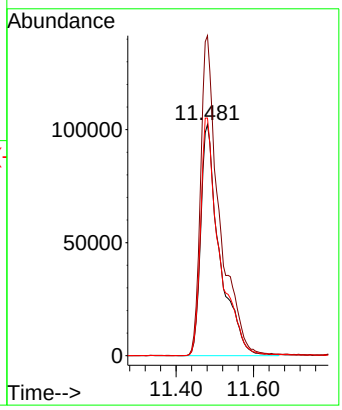


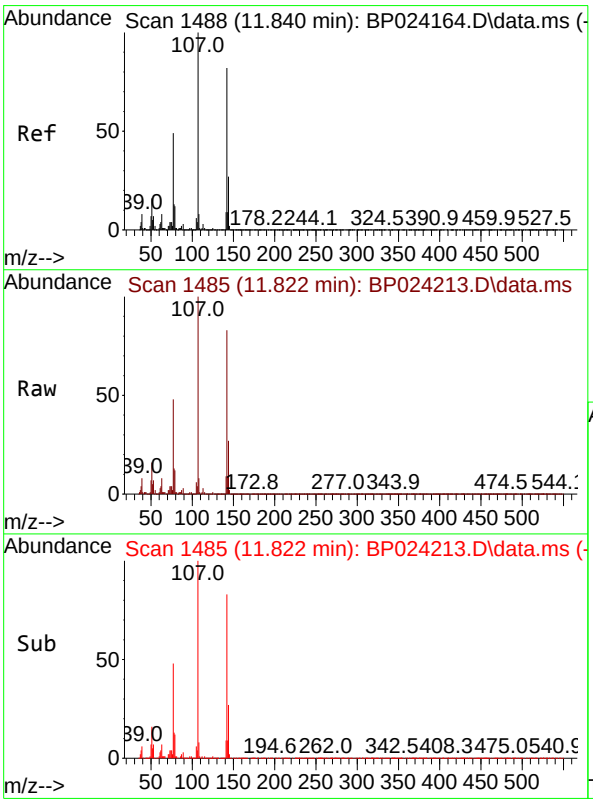

#35
Caprolactam
Concen: 43.361 ng
RT: 11.481 min Scan# 14
Delta R.T. -0.018 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:113 Resp: 343442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 138.4 | 113.6 | 153.6 |
| 56 | 102.8 | 80.0 | 120.0 |

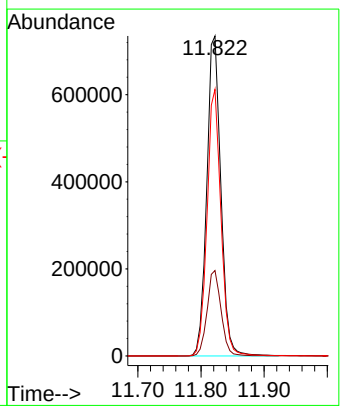


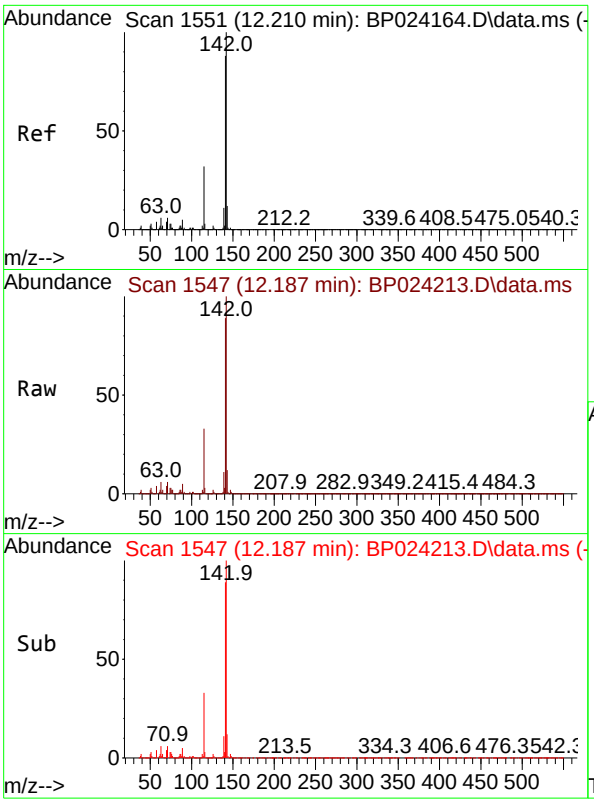




#36
4-Chloro-3-methylphenol
Concen: 43.706 ng
RT: 11.822 min Scan# 1485
Delta R.T. -0.018 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:107 Resp: 1139474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.7 | 21.6 | 32.4 |
| 142 | 83.3 | 65.4 | 98.0 |



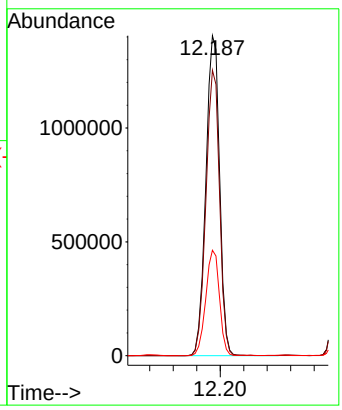


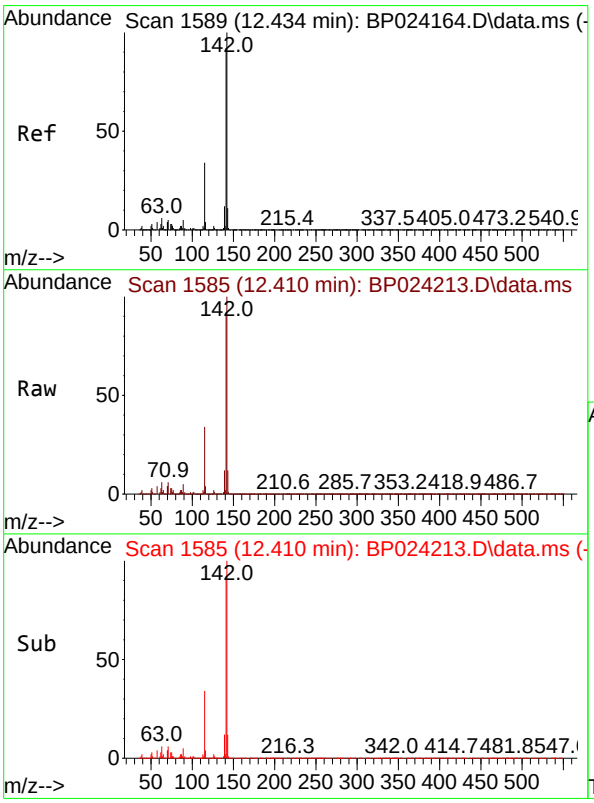

#37
2-Methylnaphthalene
Concen: 38.297 ng
RT: 12.187 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:142 Resp: 2281446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.2 | 70.3 | 105.5 |
| 115 | 33.0 | 26.0 | 39.0 |

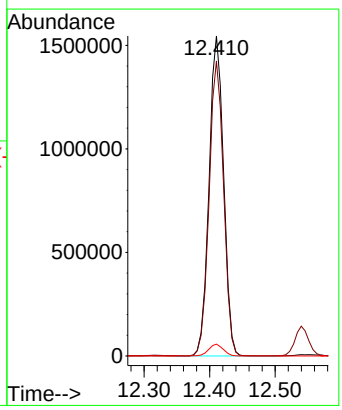


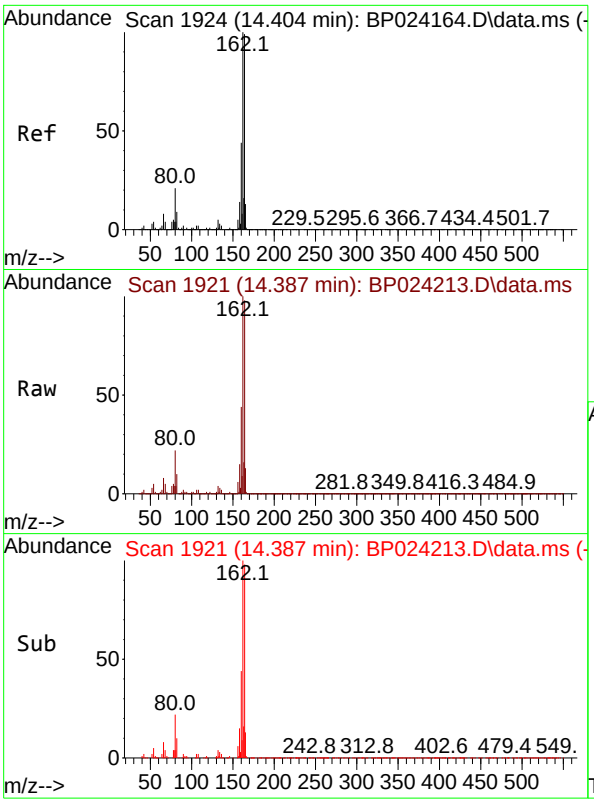




#38
1-Methylnaphthalene
Concen: 41.093 ng
RT: 12.410 min Scan# 1585
Delta R.T. -0.023 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:142 Resp: 2380994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.2 | 73.9 | 110.9 |
| 116 | 3.7 | 2.8 | 4.2 |



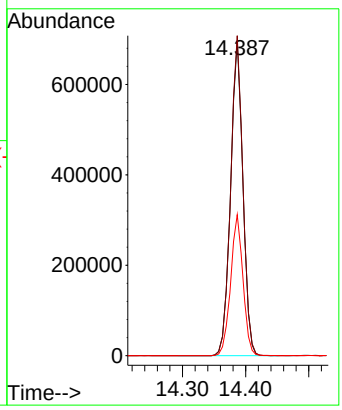


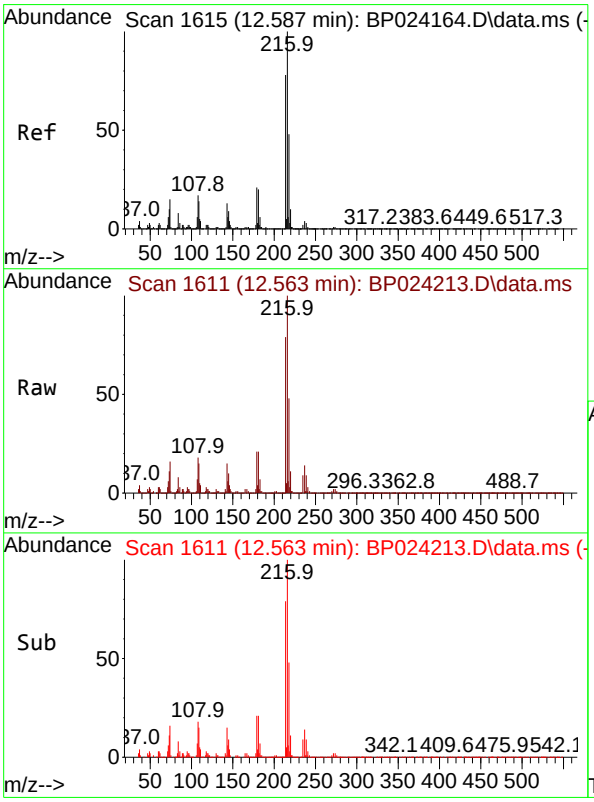

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:164 Resp: 944043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.6 | 80.6 | 121.0 |
| 160 | 44.8 | 35.4 | 53.2 |

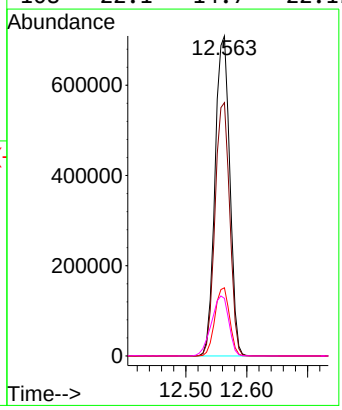


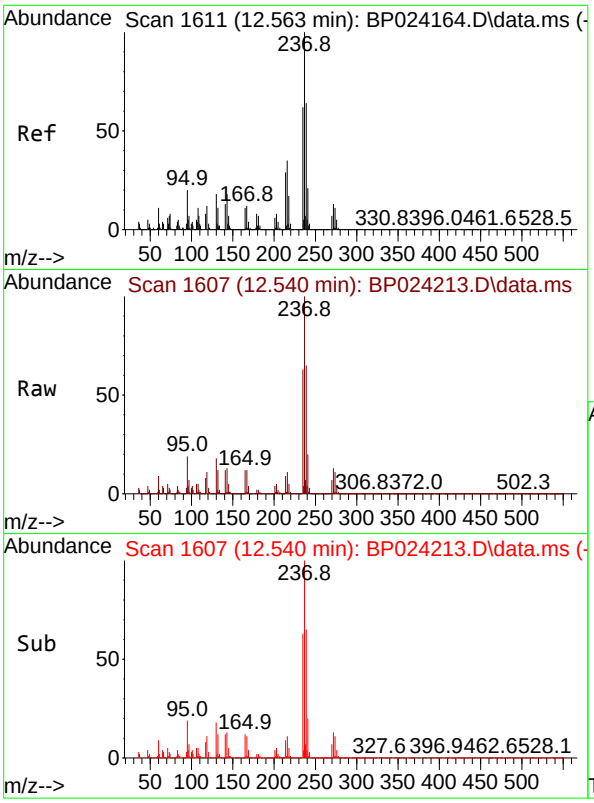




#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.785 ng
RT: 12.563 min Scan# 1611
Delta R.T. -0.023 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:216 Resp: 1194871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.0 | 62.8 | 94.2 |
| 179 | 21.2 | 16.8 | 25.2 |
| 108 | 22.1 | 14.7 | 22.1# |



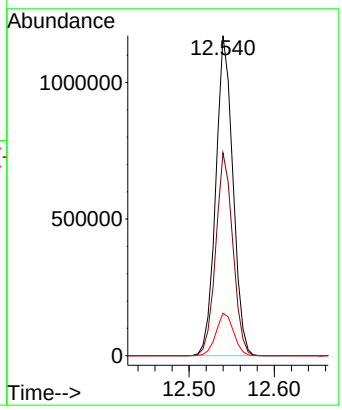


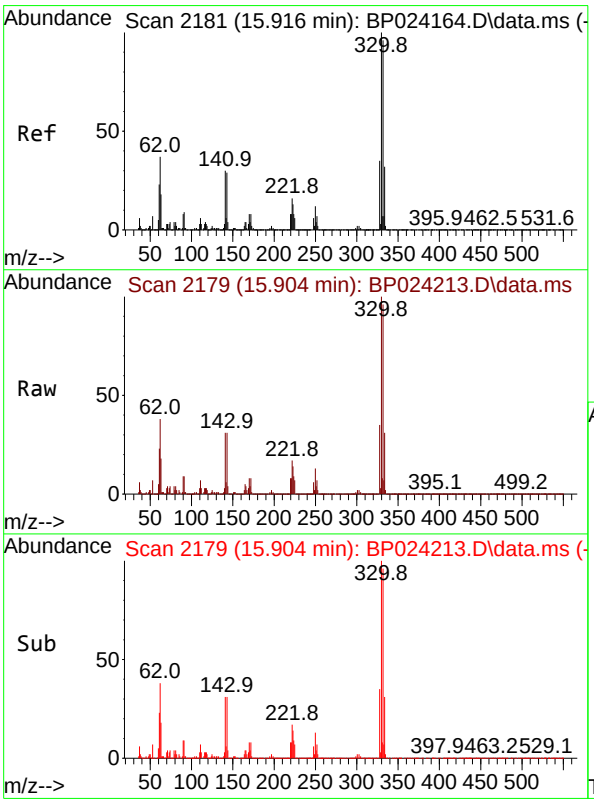

#41
Hexachlorocyclopentadiene
Concen: 166.606 ng
RT: 12.540 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:237 Resp: 1638893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.4 | 41.8 | 81.8 |
| 272 | 13.3 | 0.0 | 33.5 |

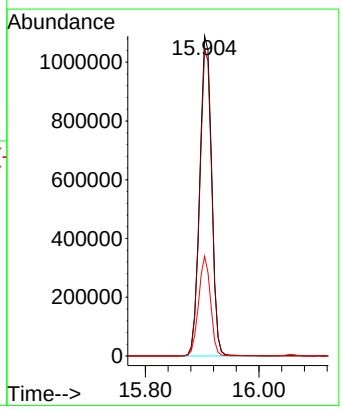


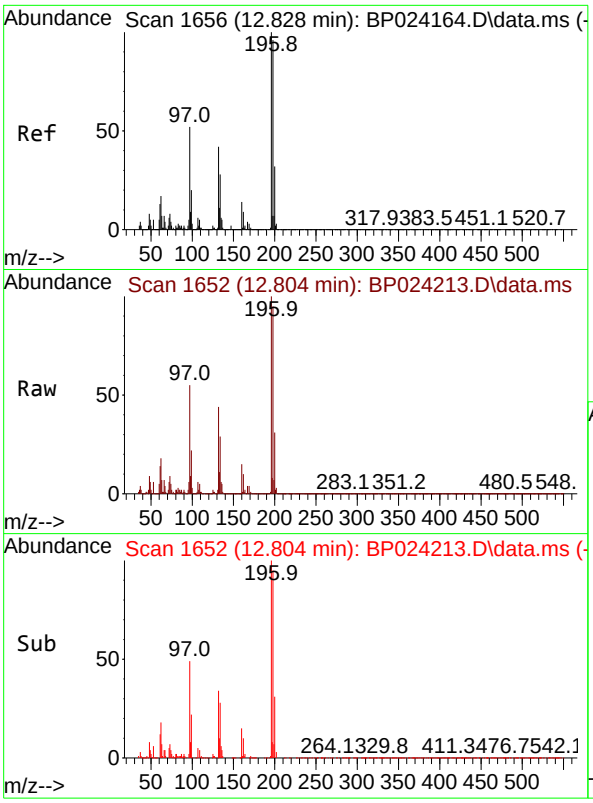




#42
2,4,6-Tribromophenol
Concen: 133.578 ng
RT: 15.904 min Scan# 2179
Delta R.T. -0.012 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:330 Resp: 1588438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.3 | 77.6 | 116.4 |
| 141 | 30.9 | 25.0 | 37.6 |



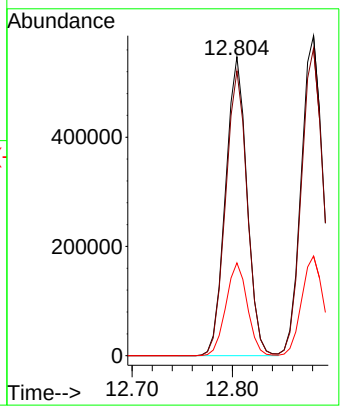


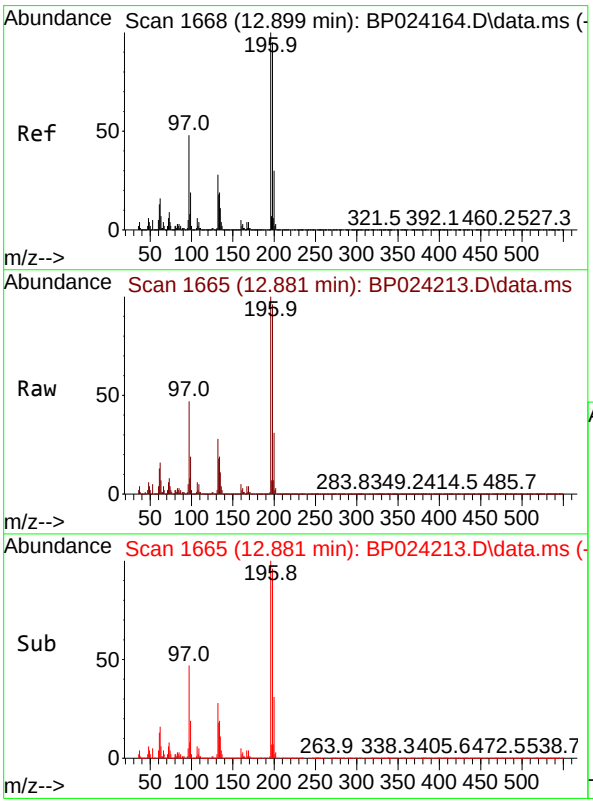

#43
2,4,6-Trichlorophenol
Concen: 46.974 ng
RT: 12.804 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:196 Resp: 814676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.3 | 76.6 | 115.0 |
| 200 | 31.1 | 25.4 | 38.0 |

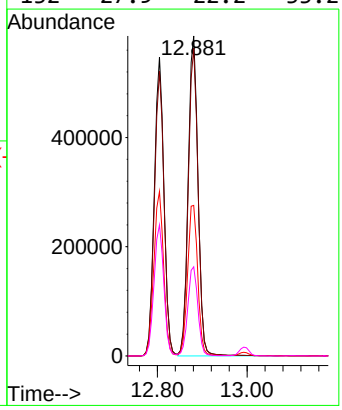


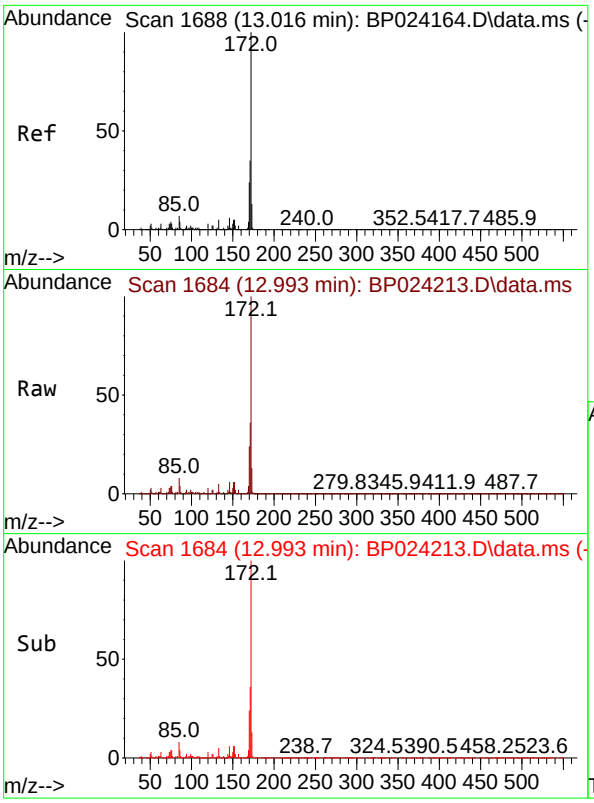




#44
2,4,5-Trichlorophenol
Concen: 46.734 ng
RT: 12.881 min Scan# 1665
Delta R.T. -0.018 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:196 Resp: 888862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.0 | 76.5 | 114.7 |
| 97 | 47.0 | 38.7 | 58.1 |
| 132 | 27.9 | 22.2 | 33.2 |



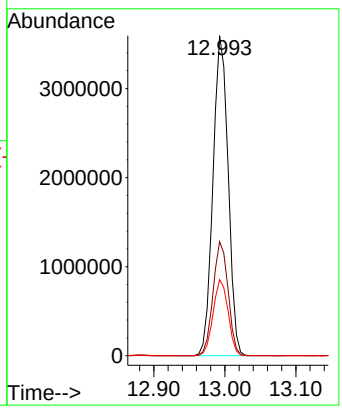


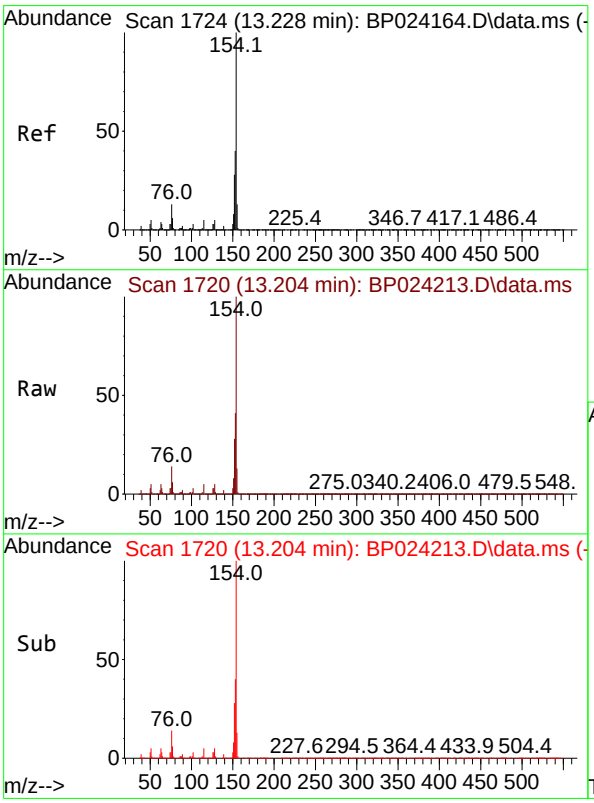

#45
2-Fluorobiphenyl
Concen: 82.897 ng
RT: 12.993 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:172 Resp: 5307334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.6 | 28.3 | 42.5 |
| 170 | 23.7 | 19.0 | 28.4 |

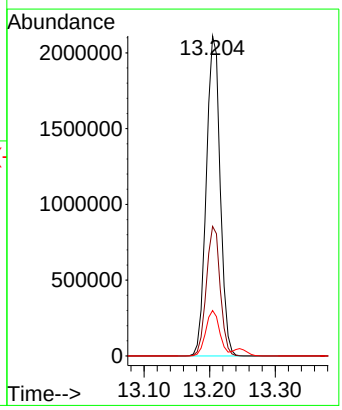


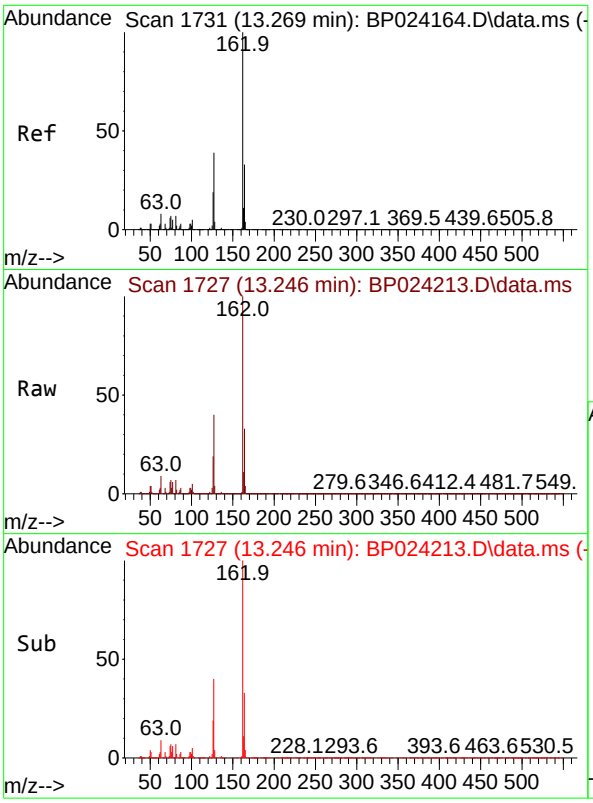




#46
1,1'-Biphenyl
Concen: 43.742 ng
RT: 13.204 min Scan# 1720
Delta R.T. -0.023 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:154 Resp: 3103109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.5 | 20.3 | 60.3 |
| 76 | 14.2 | 0.0 | 32.9 |



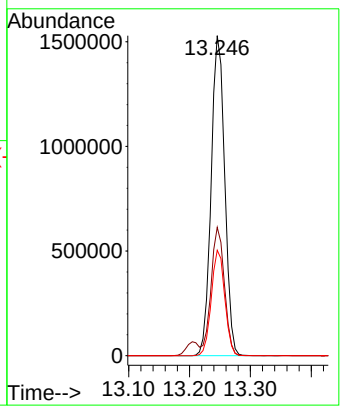


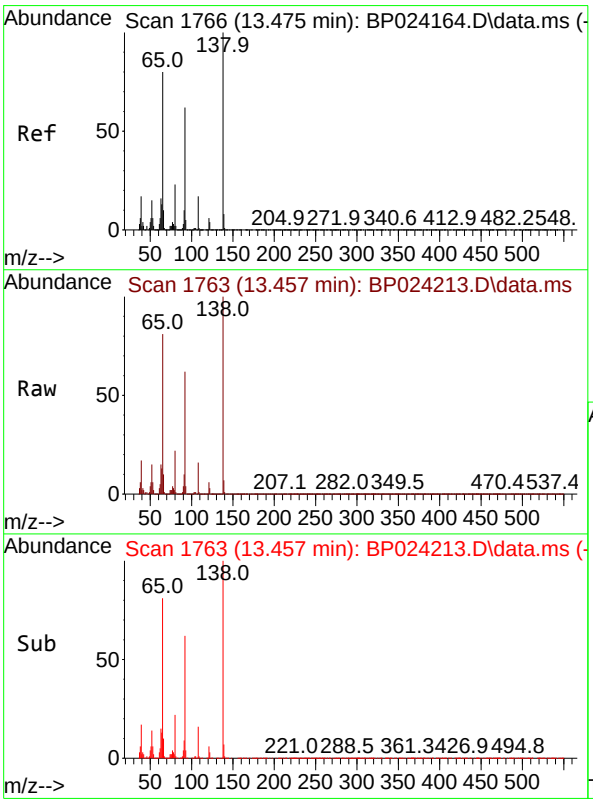

#47
2-Chloronaphthalene
Concen: 44.388 ng
RT: 13.246 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:162 Resp: 2368493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 40.1 | 31.5 | 47.3 |
| 164 | 32.9 | 26.6 | 39.8 |

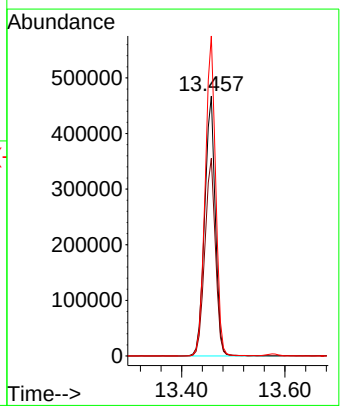


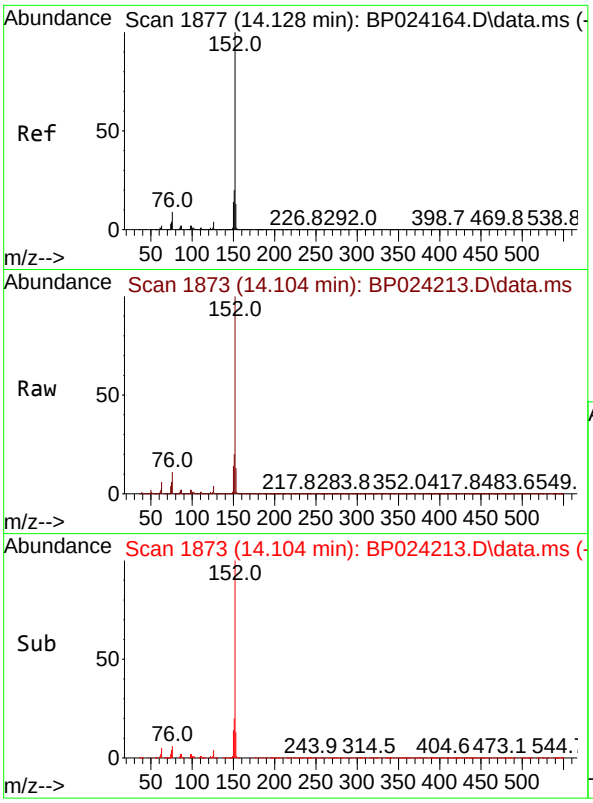




#48
2-Nitroaniline
Concen: 48.929 ng
RT: 13.457 min Scan# 1763
Delta R.T. -0.018 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion: 65 Resp: 667776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 76.0 | 62.1 | 93.1 |
| 138 | 123.1 | 99.5 | 149.3 |



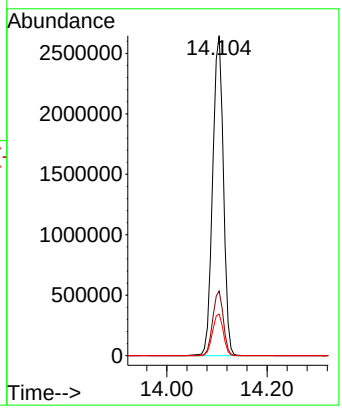


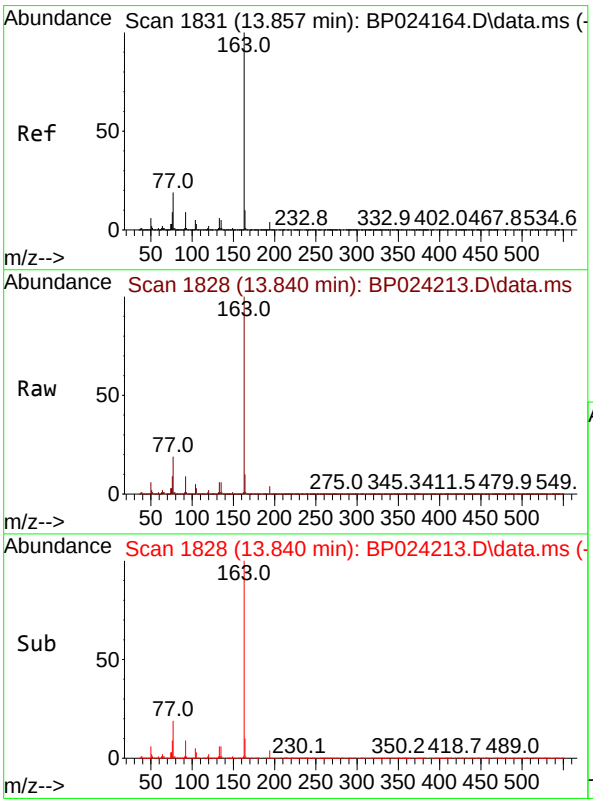

#49
Acenaphthylene
Concen: 48.678 ng
RT: 14.104 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:152 Resp: 3930242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.2 | 16.0 | 24.0 |
| 153 | 13.0 | 10.6 | 15.8 |

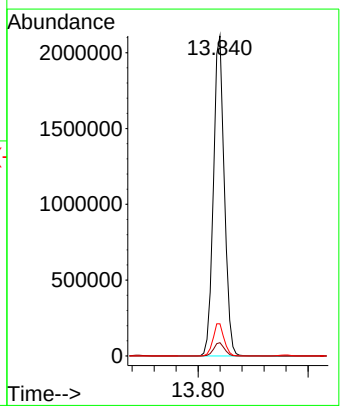


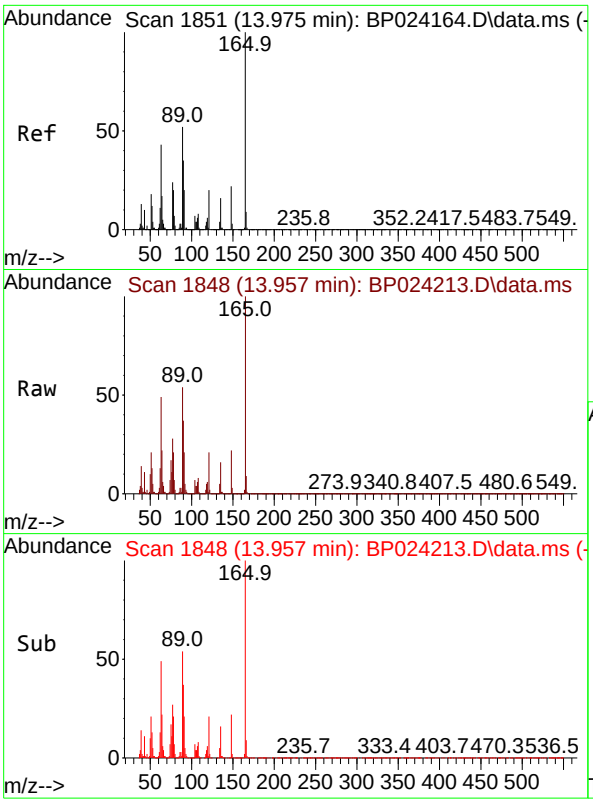




#50
Dimethylphthalate
Concen: 43.947 ng
RT: 13.840 min Scan# 1828
Delta R.T. -0.018 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:163 Resp: 2902999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.4 | 5.0 |
| 164 | 10.1 | 8.2 | 12.4 |



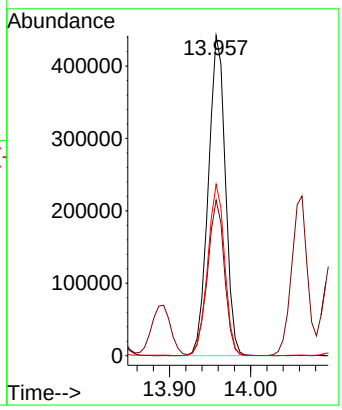


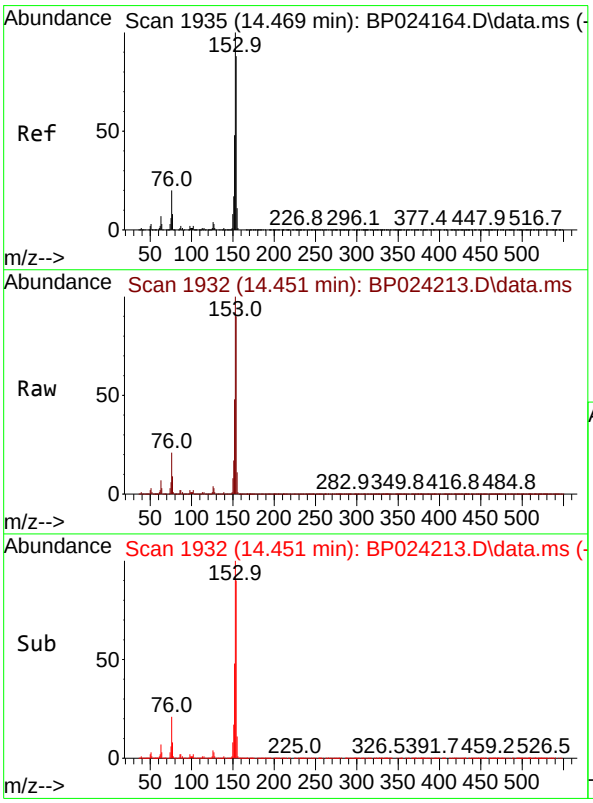

#51
2,6-Dinitrotoluene
Concen: 46.231 ng
RT: 13.957 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:165 Resp: 642545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 48.6 | 37.7 | 56.5 |
| 89 | 53.6 | 41.9 | 62.9 |

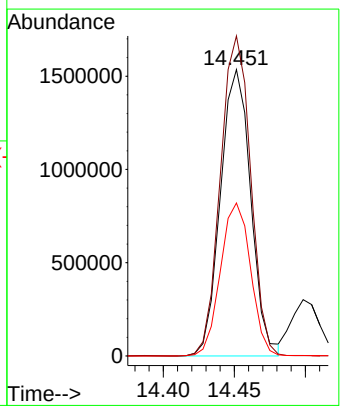


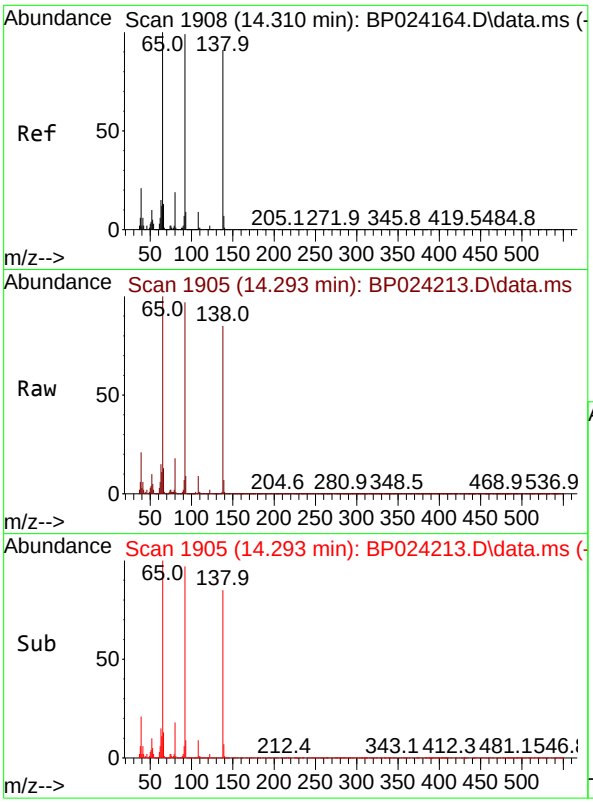




#52
Acenaphthene
Concen: 44.228 ng
RT: 14.451 min Scan# 1932
Delta R.T. -0.018 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:154 Resp: 2281542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.7 | 90.5 | 135.7 |
| 152 | 53.4 | 43.1 | 64.7 |



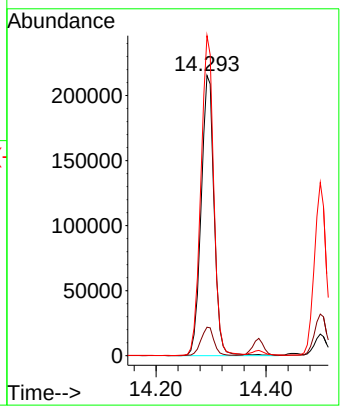


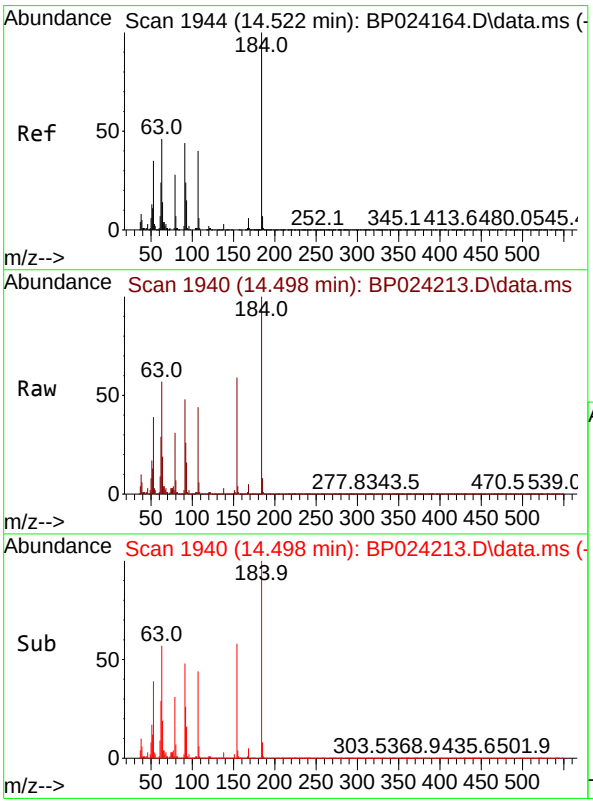

#53
3-Nitroaniline
Concen: 23.421 ng
RT: 14.293 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:138 Resp: 351575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.1 | 8.2 | 12.2 |
| 92 | 114.2 | 86.7 | 130.1 |

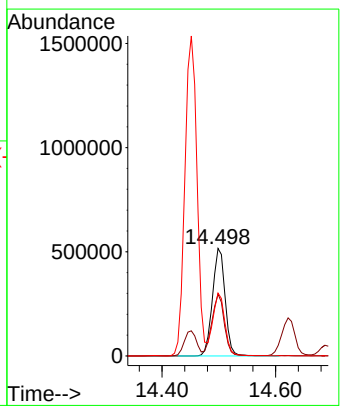


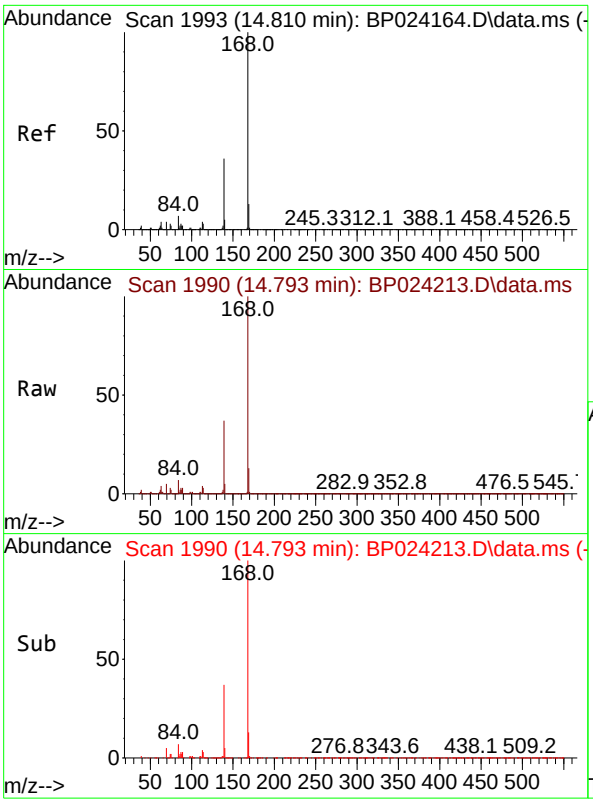




#54
2,4-Dinitrophenol
Concen: 108.426 ng
RT: 14.498 min Scan# 1940
Delta R.T. -0.024 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:184 Resp: 797386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 57.4 | 42.1 | 63.1 |
| 154 | 58.5 | 44.6 | 67.0 |



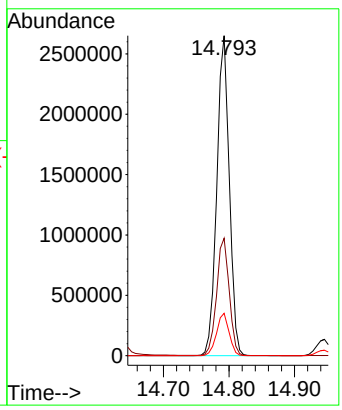


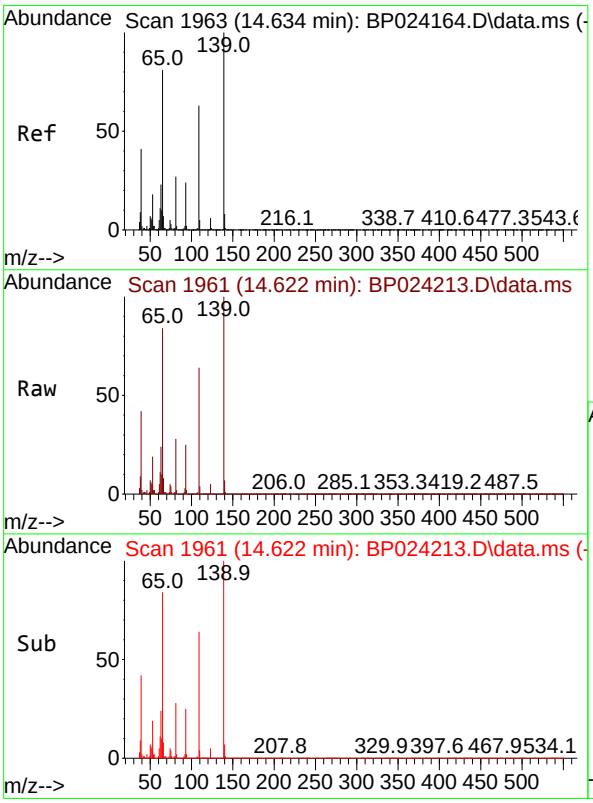

#55
Dibenzofuran
Concen: 41.717 ng
RT: 14.793 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:168 Resp: 3485847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 36.7 | 29.1 | 43.7 |
| 169 | 13.3 | 10.8 | 16.2 |

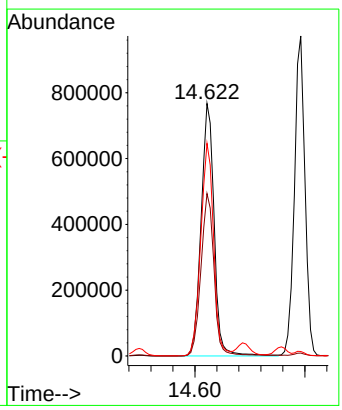


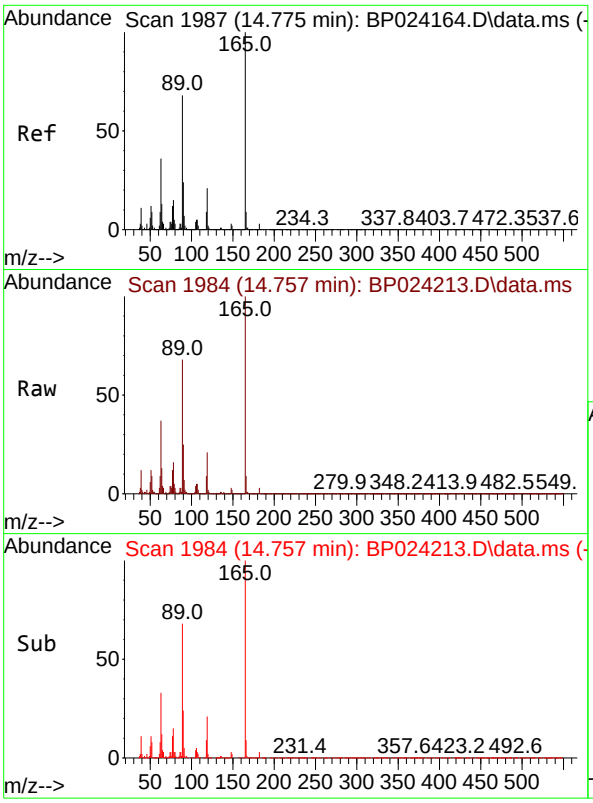




#56
4-Nitrophenol
Concen: 100.774 ng
RT: 14.622 min Scan# 1961
Delta R.T. -0.012 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:139 Resp: 1264023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 64.3 | 43.3 | 83.3 |
| 65 | 84.2 | 61.2 | 101.2 |



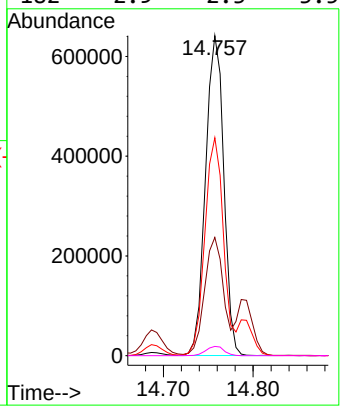


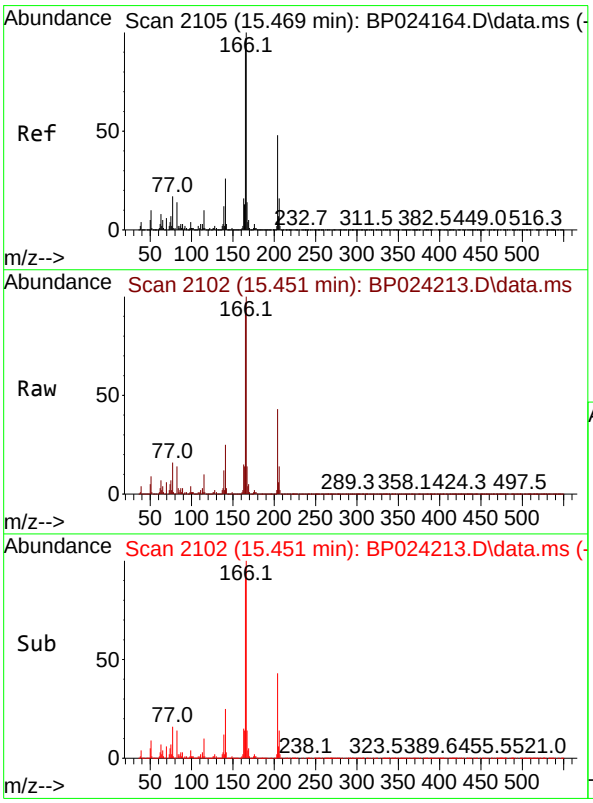

#57
2,4-Dinitrotoluene
Concen: 49.337 ng
RT: 14.757 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:165 Resp: 905760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 36.9 | 29.0 | 43.6 |
| 89 | 68.1 | 54.2 | 81.4 |
| 182 | 2.9 | 2.3 | 3.5 |

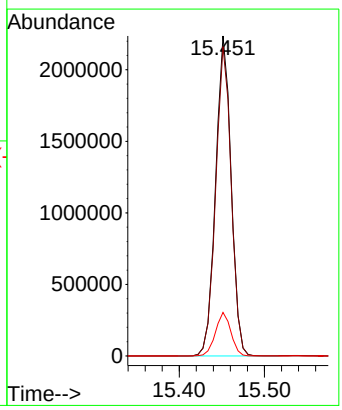


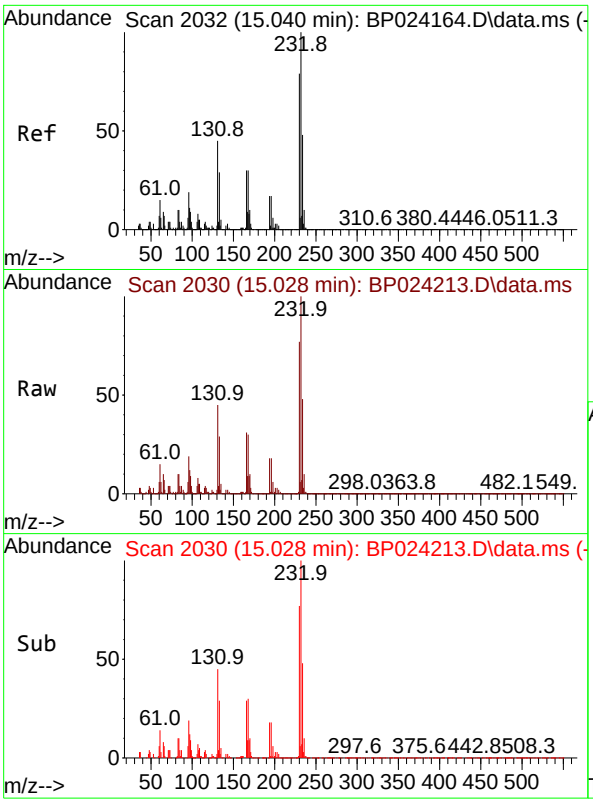




#58
Fluorene
Concen: 43.592 ng
RT: 15.451 min Scan# 2102
Delta R.T. -0.018 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:166 Resp: 2838026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.7 | 77.6 | 116.4 |
| 167 | 13.6 | 10.8 | 16.2 |



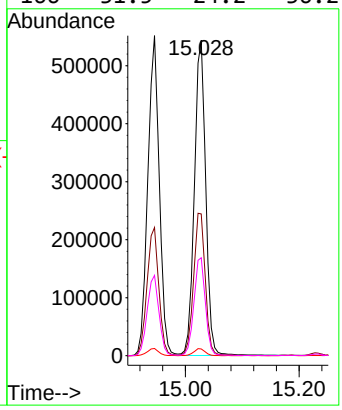


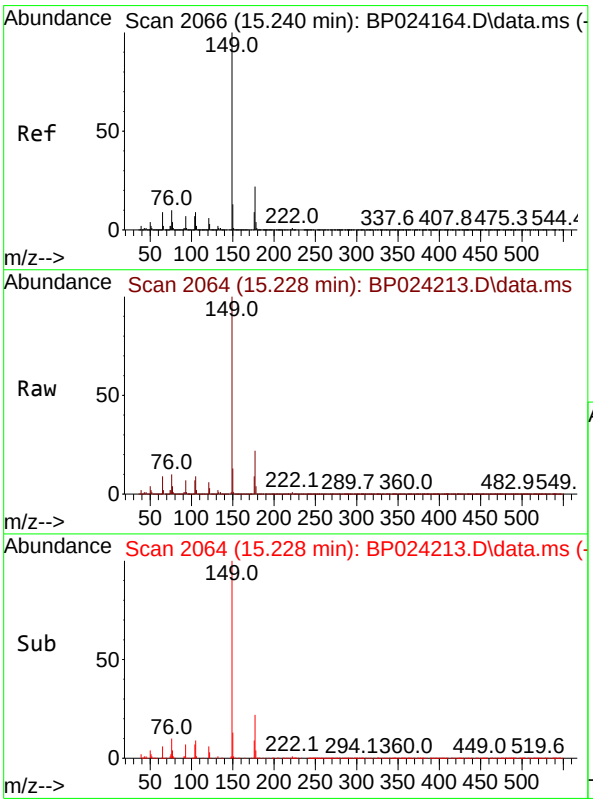

#59
2,3,4,6-Tetrachlorophenol
Concen: 45.072 ng
RT: 15.028 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:232 Resp: 757390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.5 | 35.9 | 53.9 |
| 130 | 2.2 | 1.8 | 2.6 |
| 166 | 31.5 | 24.2 | 36.2 |

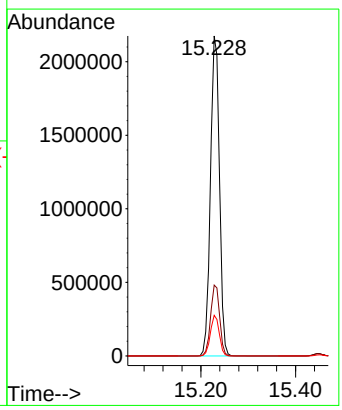


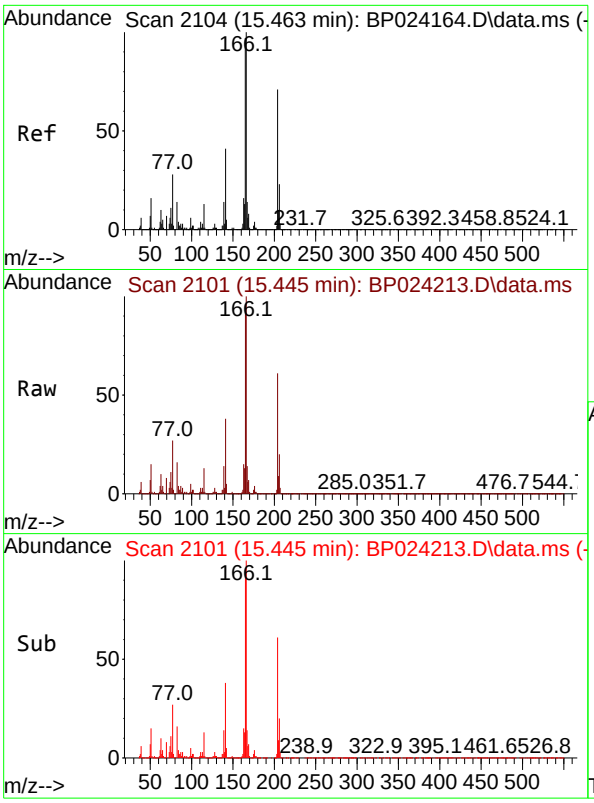




#60
Diethylphthalate
Concen: 43.599 ng
RT: 15.228 min Scan# 2064
Delta R.T. -0.012 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:149 Resp: 2867989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.2 | 17.7 | 26.5 |
| 150 | 12.7 | 10.2 | 15.4 |



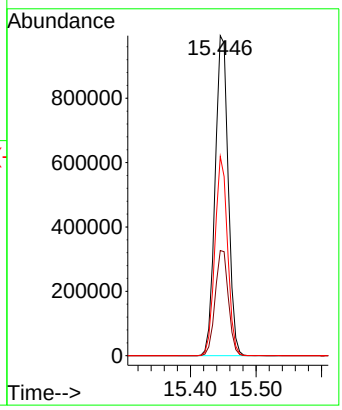


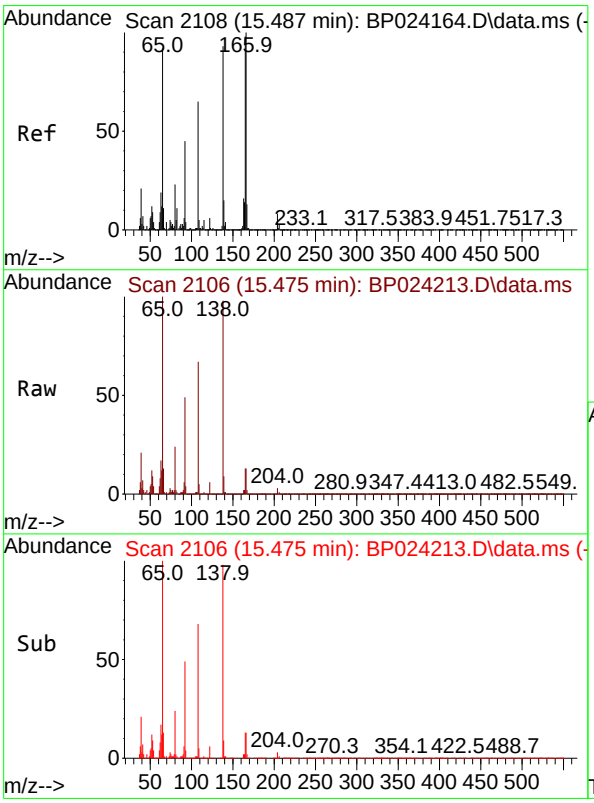

#61
4-Chlorophenyl-phenylether
Concen: 42.921 ng
RT: 15.445 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:204 Resp: 1370547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.9 | 26.4 | 39.6 |
| 141 | 62.2 | 45.8 | 68.8 |

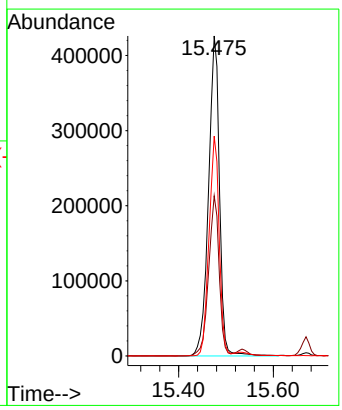


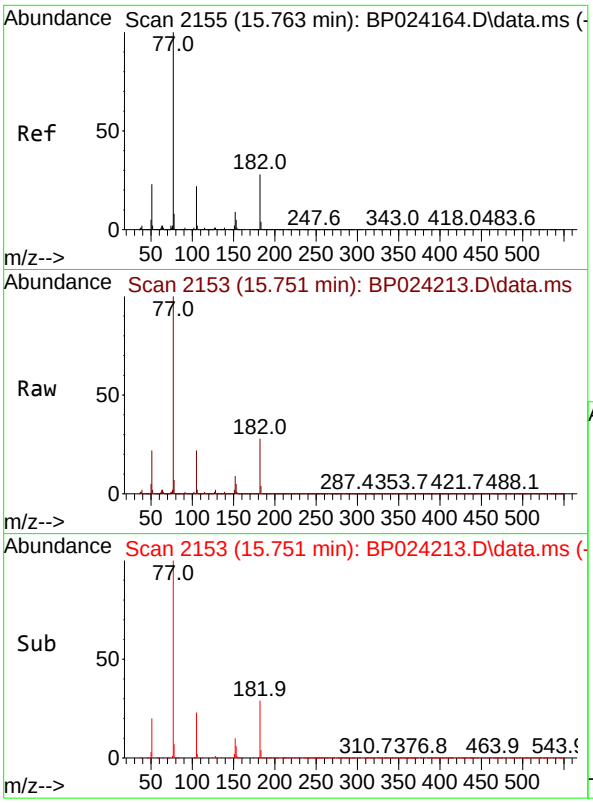




#62
4-Nitroaniline
Concen: 43.579 ng
RT: 15.475 min Scan# 2106
Delta R.T. -0.012 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:138 Resp: 686113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.0 | 28.7 | 68.7 |
| 108 | 68.7 | 49.5 | 89.5 |



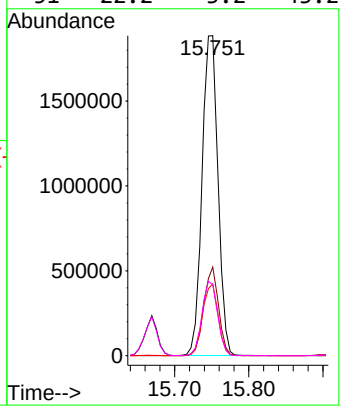


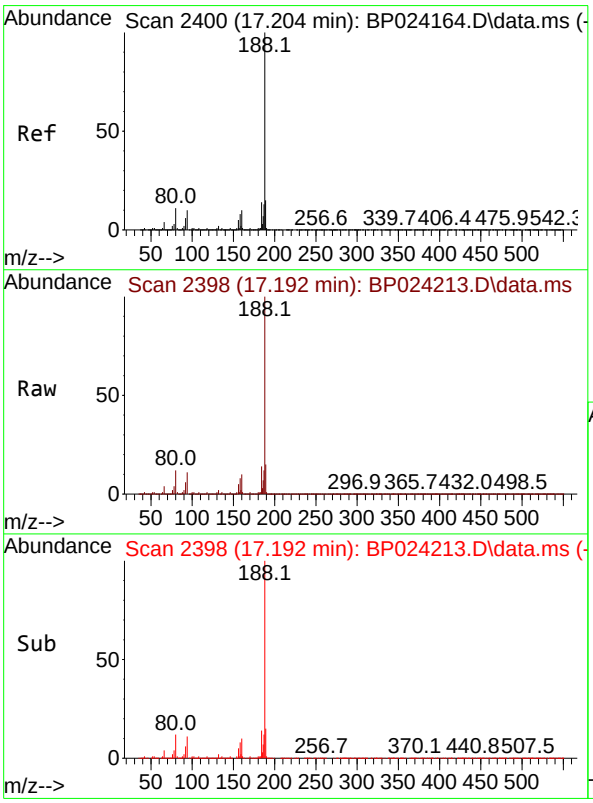

#63
Azobenzene
Concen: 45.488 ng
RT: 15.751 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion: 77 Resp: 2820252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 27.7 | 7.7 | 47.7 |
| 105 | 22.4 | 2.3 | 42.3 |
| 51 | 22.2 | 3.2 | 43.2 |

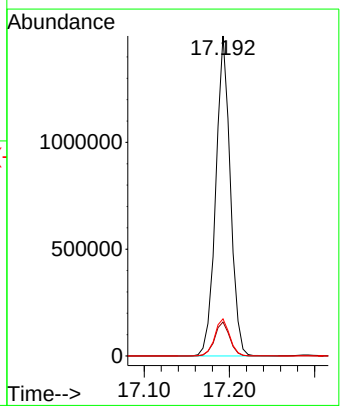


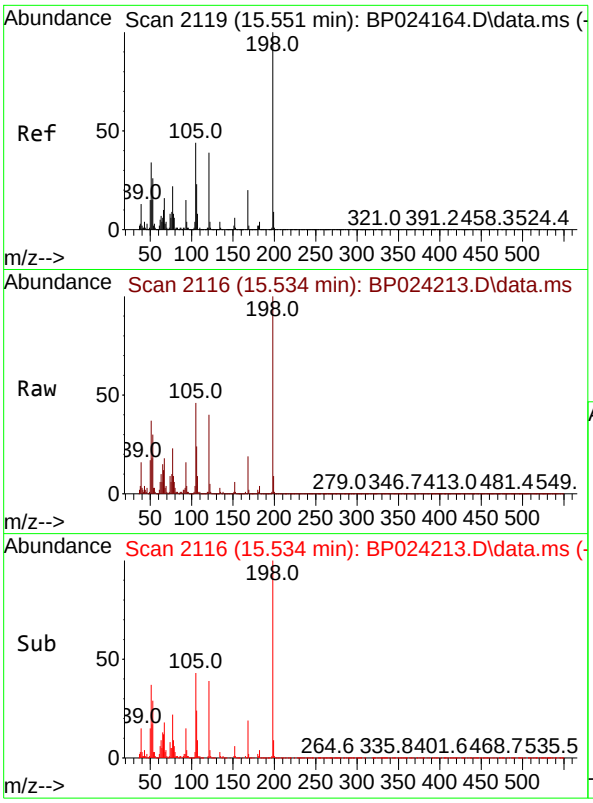




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2398
Delta R.T. -0.012 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:188 Resp: 1779009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.6 | 8.1 | 12.1 |
| 80 | 11.6 | 8.9 | 13.3 |



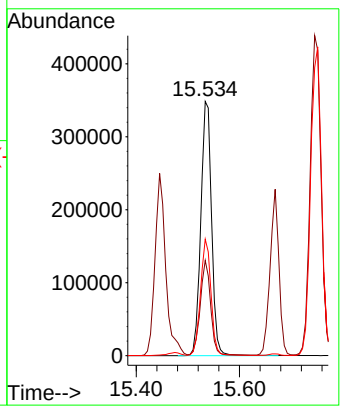


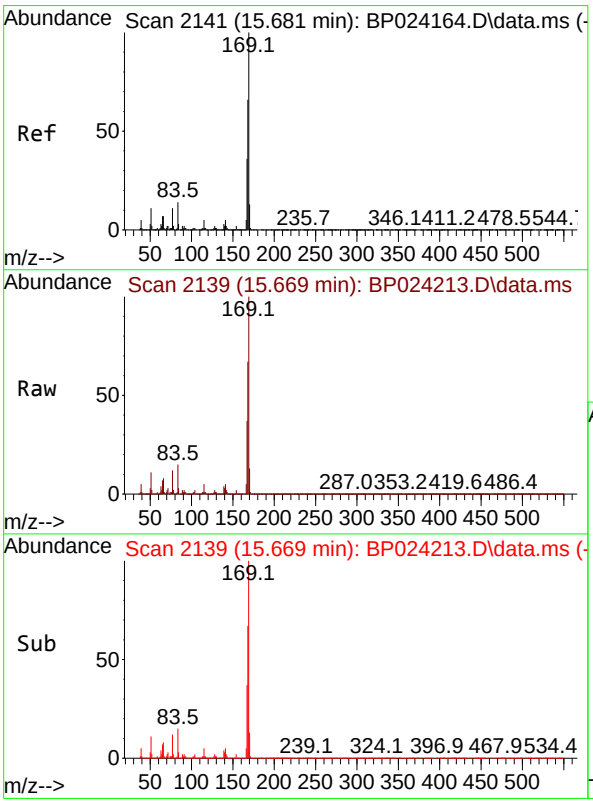

#65
4,6-Dinitro-2-methylphenol
Concen: 47.682 ng
RT: 15.534 min Scan# 21
Delta R.T. -0.017 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:198 Resp: 503579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 37.4 | 14.7 | 54.7 |
| 105 | 45.8 | 23.8 | 63.8 |

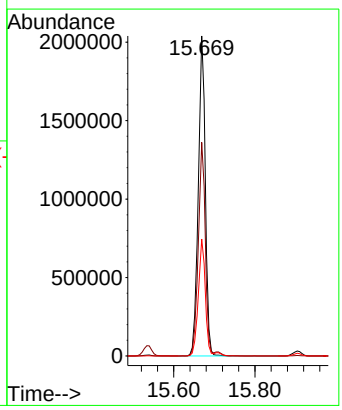


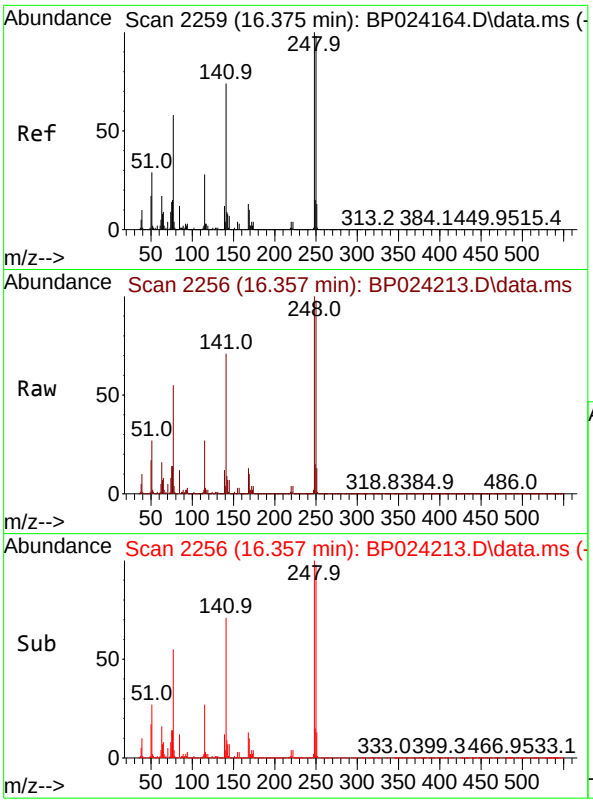




#66
n-Nitrosodiphenylamine
Concen: 45.732 ng
RT: 15.669 min Scan# 2139
Delta R.T. -0.012 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:169 Resp: 2470564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.8 | 52.9 | 79.3 |
| 167 | 36.5 | 28.8 | 43.2 |



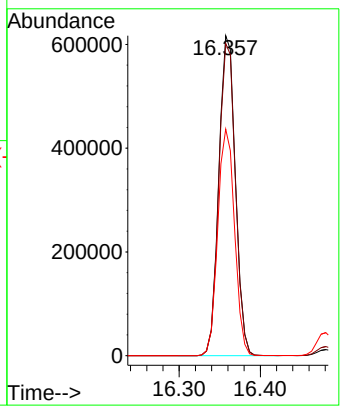


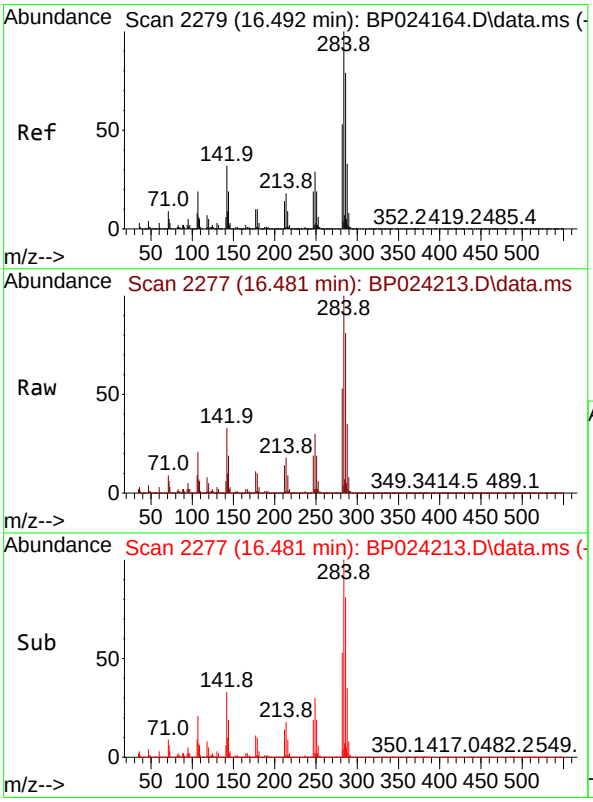

#67
4-Bromophenyl-phenylether
Concen: 44.861 ng
RT: 16.357 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:248 Resp: 876212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.5 | 78.4 | 117.6 |
| 141 | 70.8 | 59.4 | 89.0 |

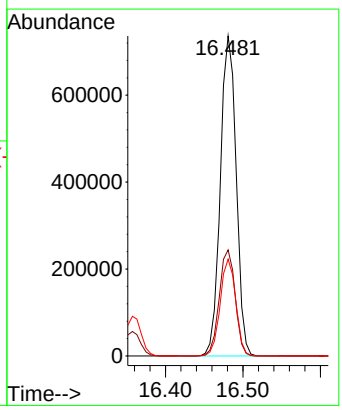


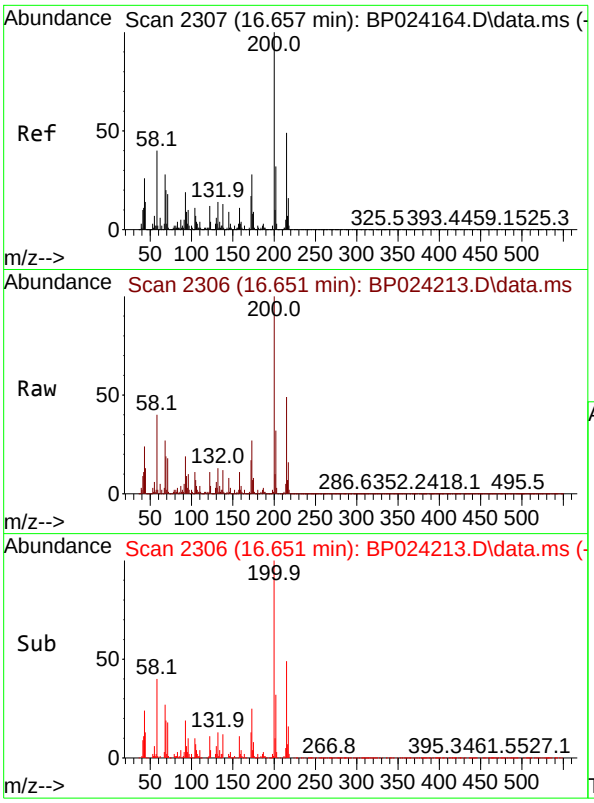




#68
Hexachlorobenzene
Concen: 45.259 ng
RT: 16.481 min Scan# 2277
Delta R.T. -0.012 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:284 Resp: 1046300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 33.2 | 25.4 | 38.2 |
| 249 | 30.2 | 23.5 | 35.3 |



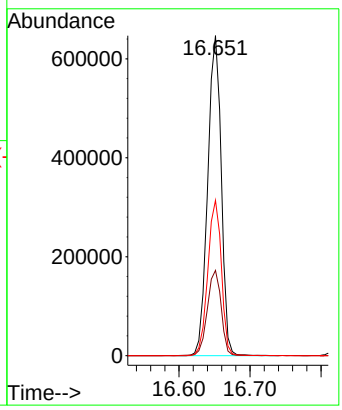


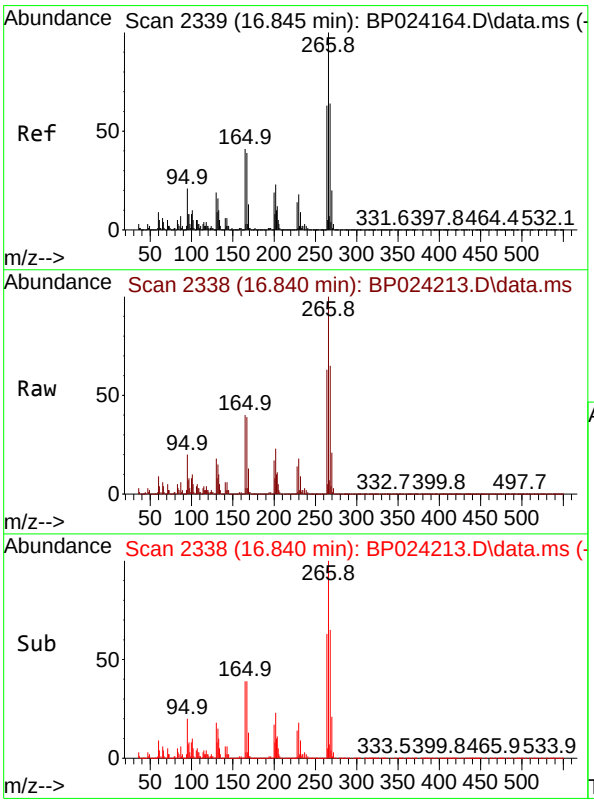

#69
Atrazine
Concen: 65.769 ng
RT: 16.651 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:200 Resp: 857586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.6 | 7.6 | 47.6 |
| 215 | 48.6 | 29.0 | 69.0 |

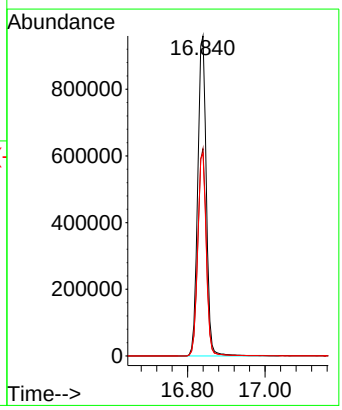


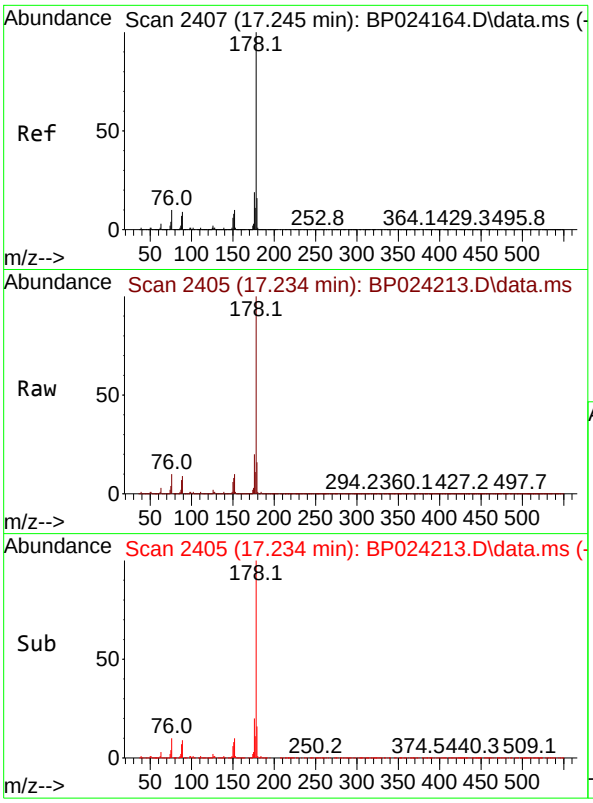




#70
Pentachlorophenol
Concen: 98.182 ng
RT: 16.840 min Scan# 2338
Delta R.T. -0.006 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:266 Resp: 1467830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.8 | 51.3 | 76.9 |
| 264 | 63.3 | 50.6 | 76.0 |



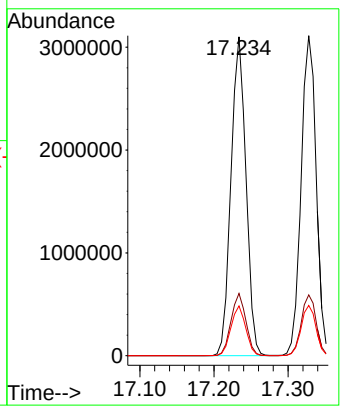


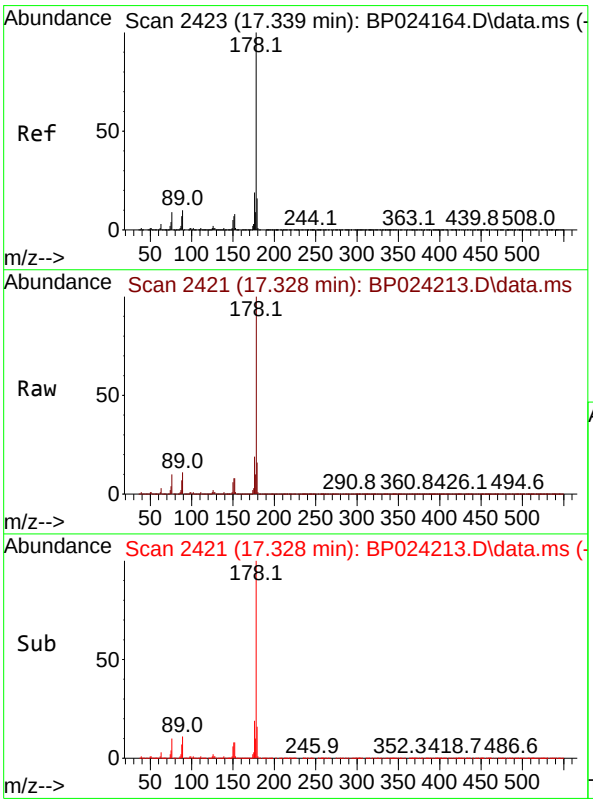

#71
Phenanthrene
Concen: 44.809 ng
RT: 17.234 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:178 Resp: 4354818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 15.6 | 23.4 |
| 179 | 15.6 | 12.5 | 18.7 |

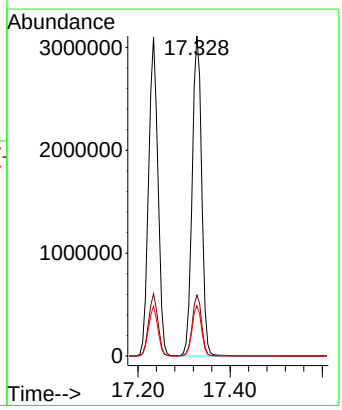


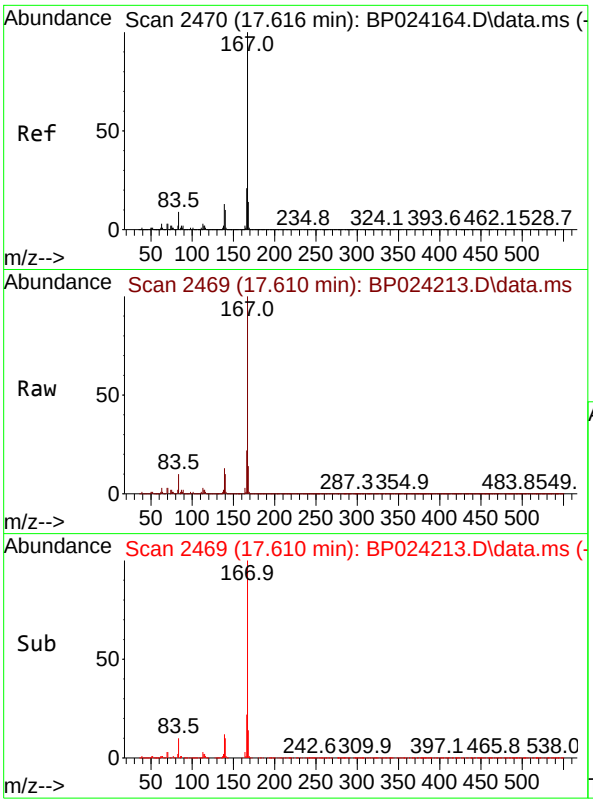




#72
Anthracene
Concen: 46.701 ng
RT: 17.328 min Scan# 2421
Delta R.T. -0.012 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:178 Resp: 4420553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.2 | 22.8 |
| 179 | 15.7 | 12.6 | 18.8 |



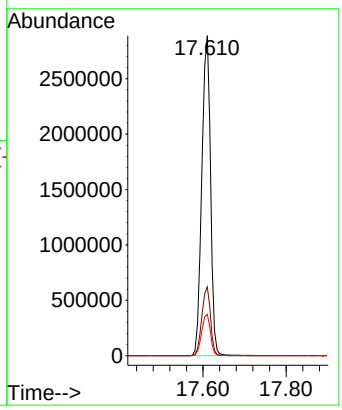


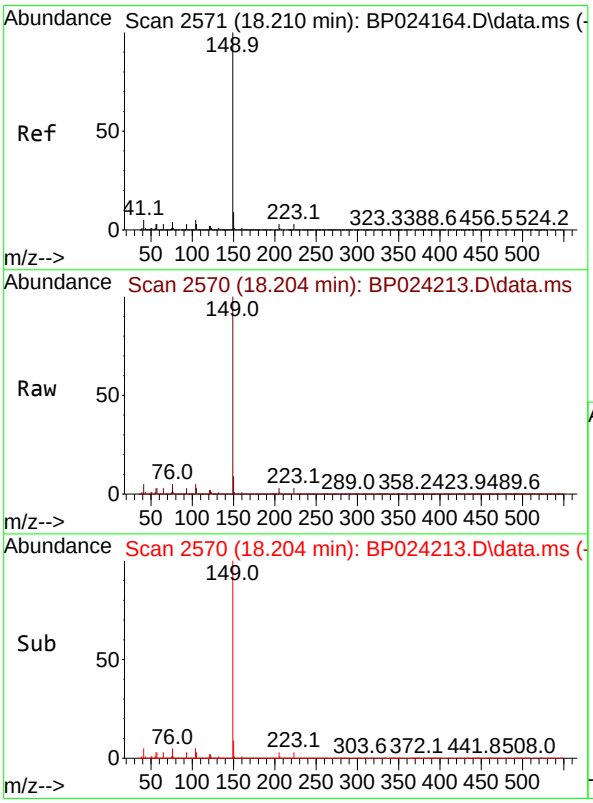

#73
Carbazole
Concen: 46.149 ng
RT: 17.610 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:167 Resp: 4212646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.5 | 17.1 | 25.7 |
| 139 | 12.9 | 10.2 | 15.4 |

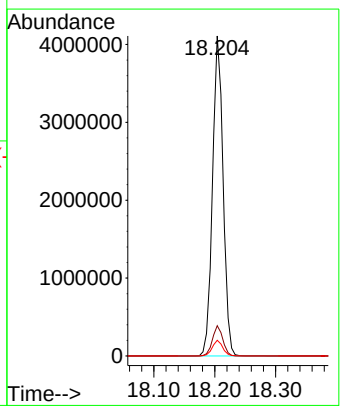


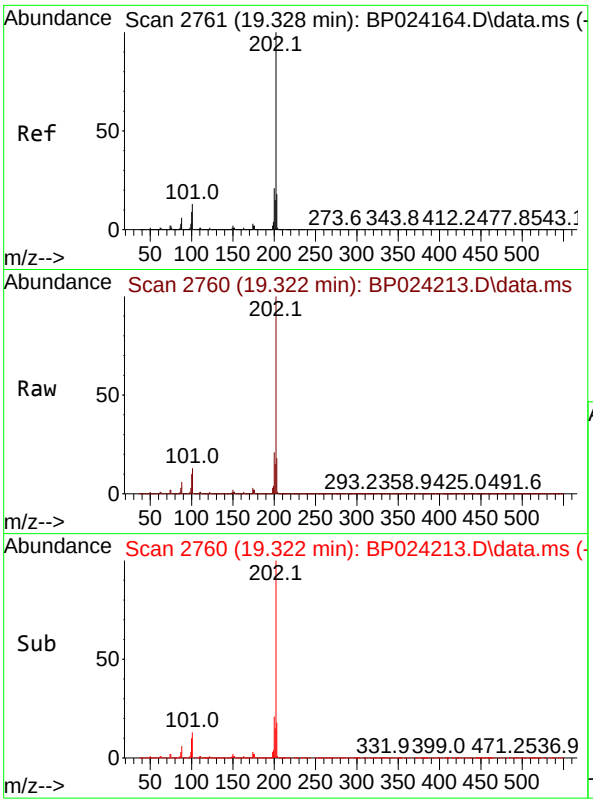




#74
Di-n-butylphthalate
Concen: 45.727 ng
RT: 18.204 min Scan# 2570
Delta R.T. -0.006 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:149 Resp: 4955128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.5 | 7.6 | 11.4 |
| 104 | 4.9 | 3.9 | 5.9 |



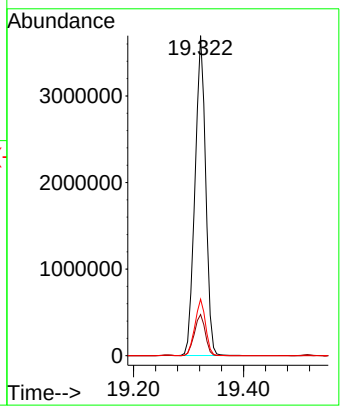


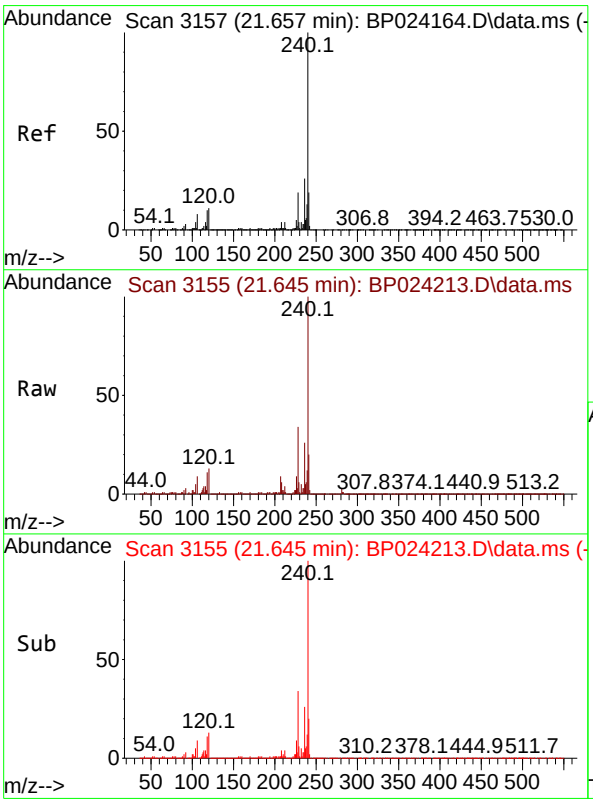

#75
Fluoranthene
Concen: 44.315 ng
RT: 19.322 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:202 Resp: 4988049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.9 | 0.0 | 32.5 |
| 203 | 17.7 | 0.0 | 37.9 |

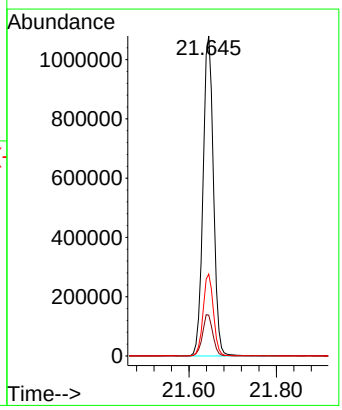


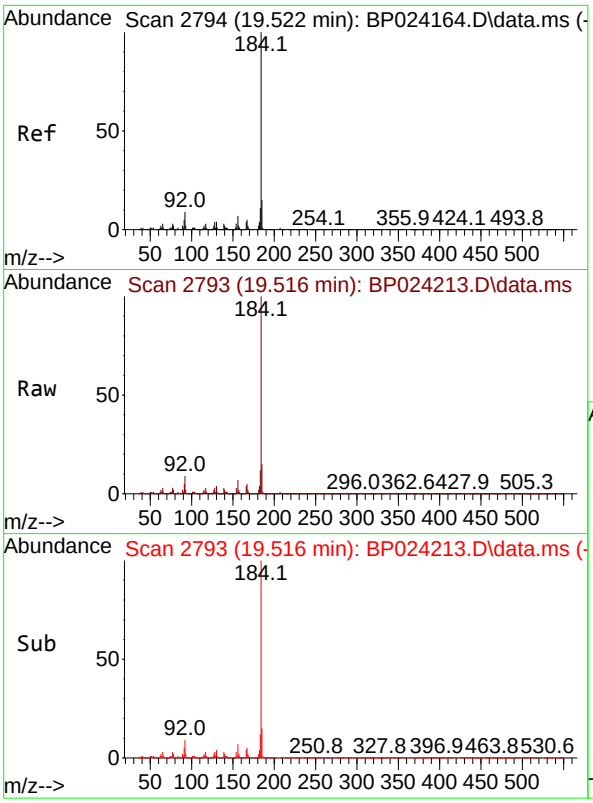




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.645 min Scan# 3155
Delta R.T. -0.012 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:240 Resp: 1788682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.7 | 9.2 | 13.8 |
| 236 | 25.6 | 20.4 | 30.6 |



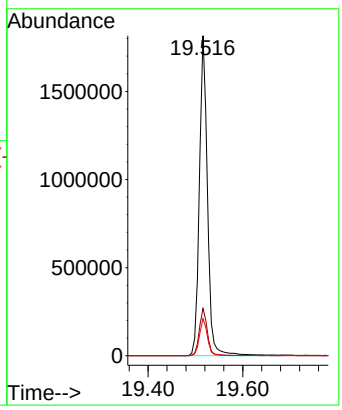


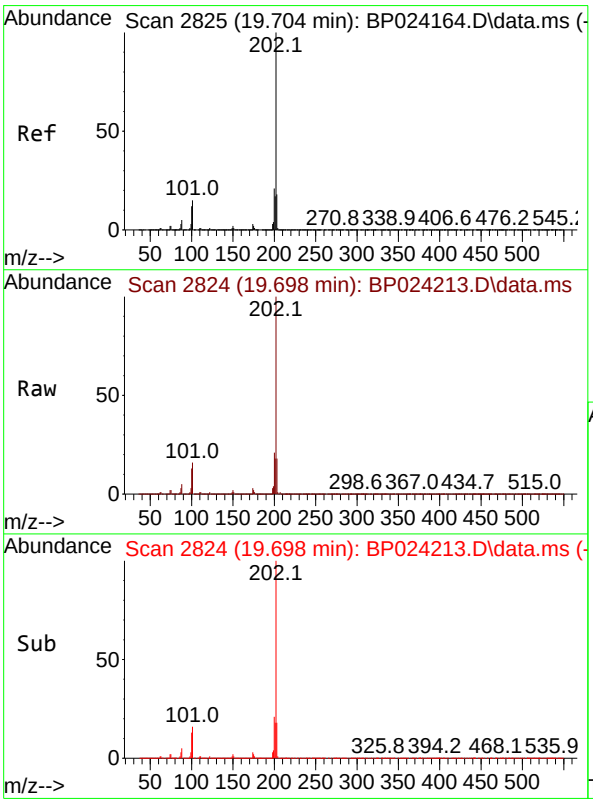

#77
Benzidine
Concen: 109.696 ng
RT: 19.516 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:184 Resp: 2145257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.8 | 11.8 | 17.6 |
| 183 | 11.6 | 9.1 | 13.7 |

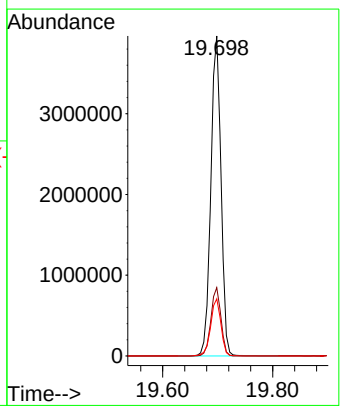


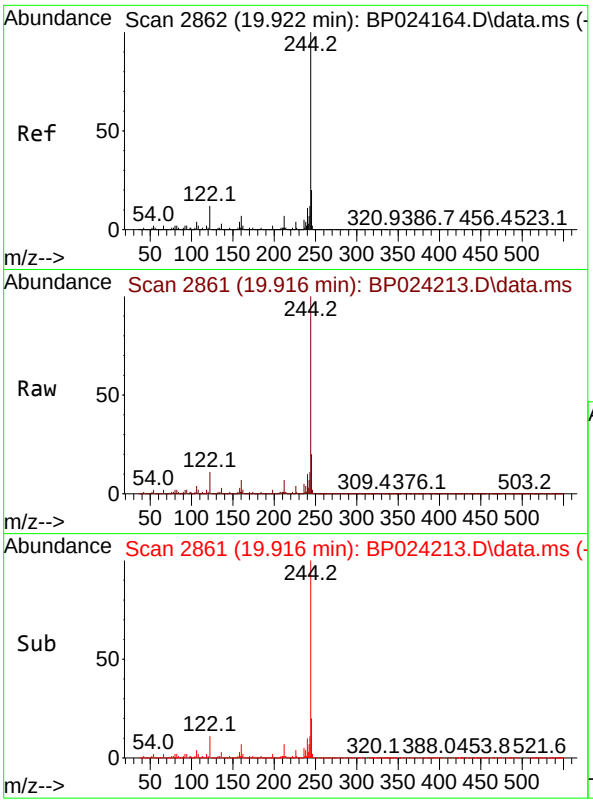




#78
Pyrene
Concen: 45.659 ng
RT: 19.698 min Scan# 2824
Delta R.T. -0.006 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:202 Resp: 5077322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.3 | 17.1 | 25.7 |
| 203 | 17.9 | 14.2 | 21.4 |



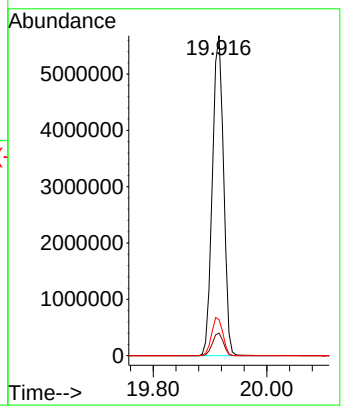


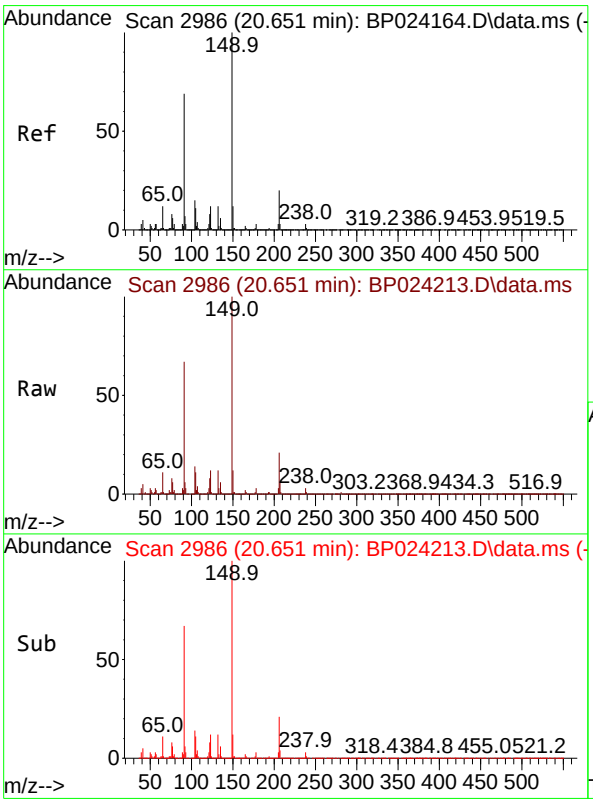

#79
Terphenyl-d14
Concen: 89.466 ng
RT: 19.916 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:244 Resp: 7752383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.7 | 8.5 |
| 122 | 11.3 | 9.6 | 14.4 |

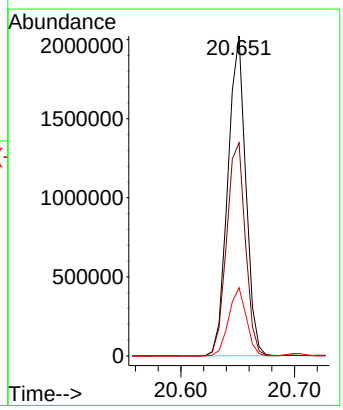


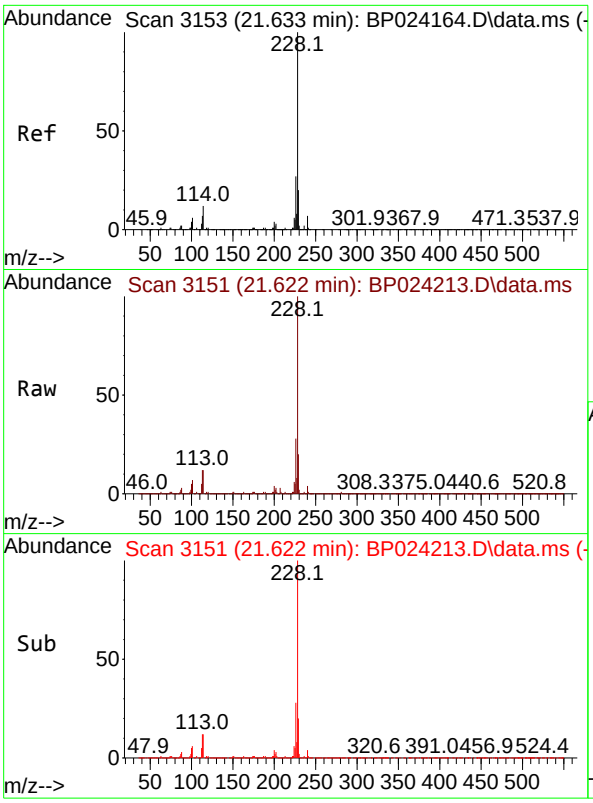




#80
Butylbenzylphthalate
Concen: 48.397 ng
RT: 20.651 min Scan# 2986
Delta R.T. 0.000 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:149 Resp: 2219339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 66.6 | 55.3 | 82.9 |
| 206 | 21.4 | 16.1 | 24.1 |



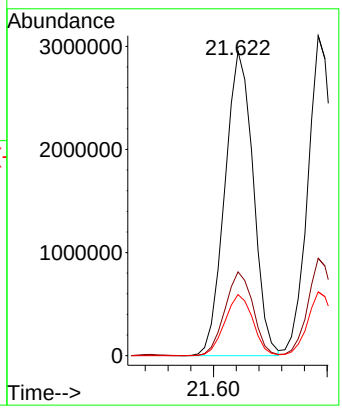


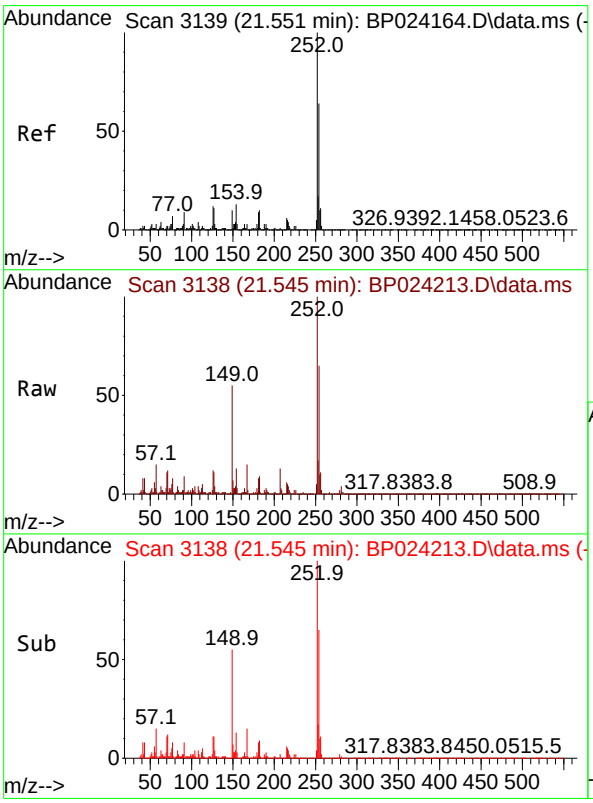

#81
Benzo(a)anthracene
Concen: 46.009 ng
RT: 21.622 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:228 Resp: 5116502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.6 | 21.8 | 32.8 |
| 229 | 20.1 | 16.0 | 24.0 |

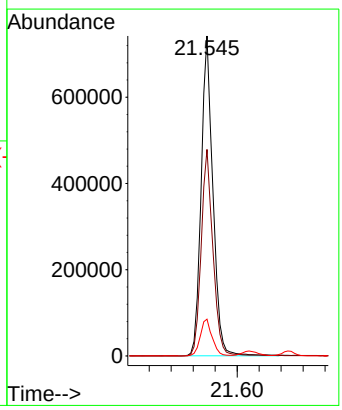


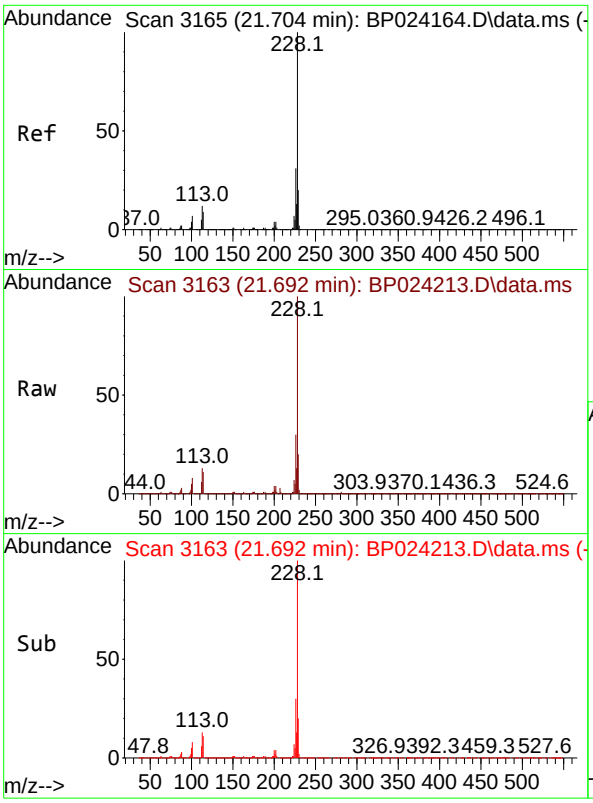




#82
3,3'-Dichlorobenzidine
Concen: 29.483 ng
RT: 21.545 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:252 Resp: 1098884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.6 | 51.4 | 77.2 |
| 126 | 11.5 | 9.3 | 13.9 |



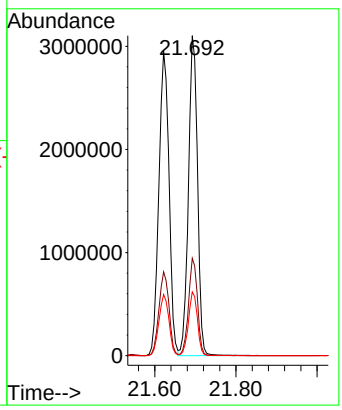


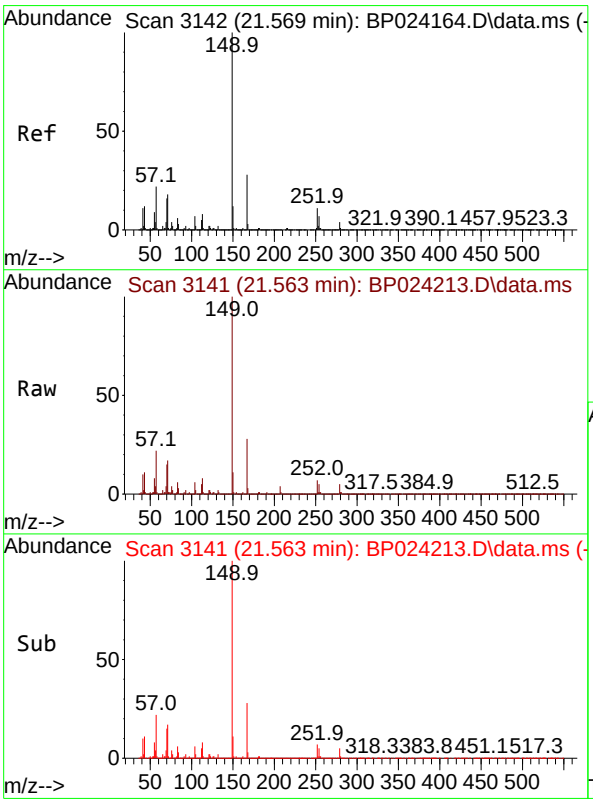

#83
Chrysene
Concen: 44.922 ng
RT: 21.692 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:228 Resp: 4802411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.5 | 24.5 | 36.7 |
| 229 | 20.0 | 16.2 | 24.2 |

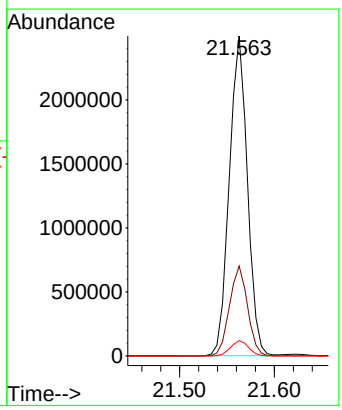


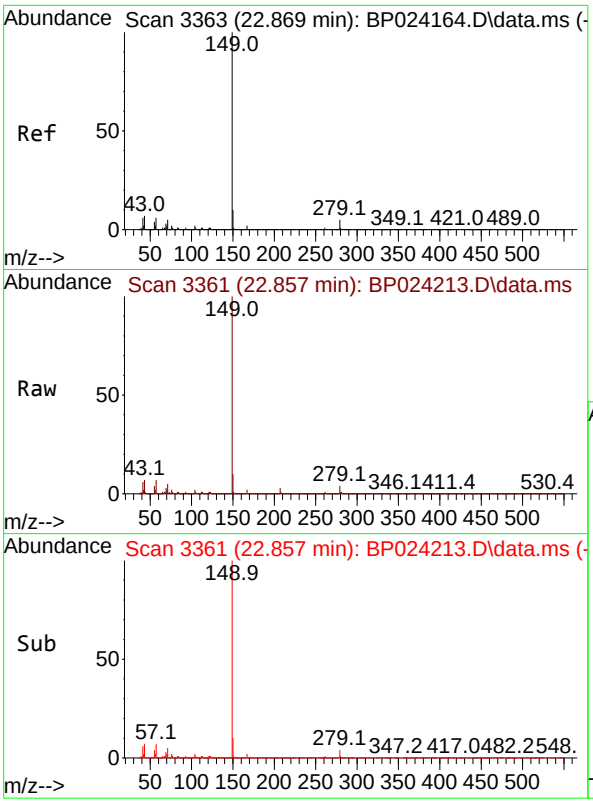




#84
Bis(2-ethylhexyl)phthalate
Concen: 47.919 ng
RT: 21.563 min Scan# 3141
Delta R.T. -0.006 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:149 Resp: 3315716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.1 | 22.5 | 33.7 |
| 279 | 4.8 | 3.6 | 5.4 |



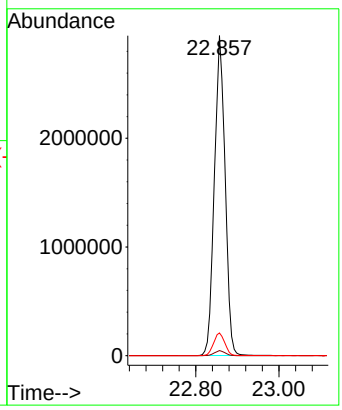


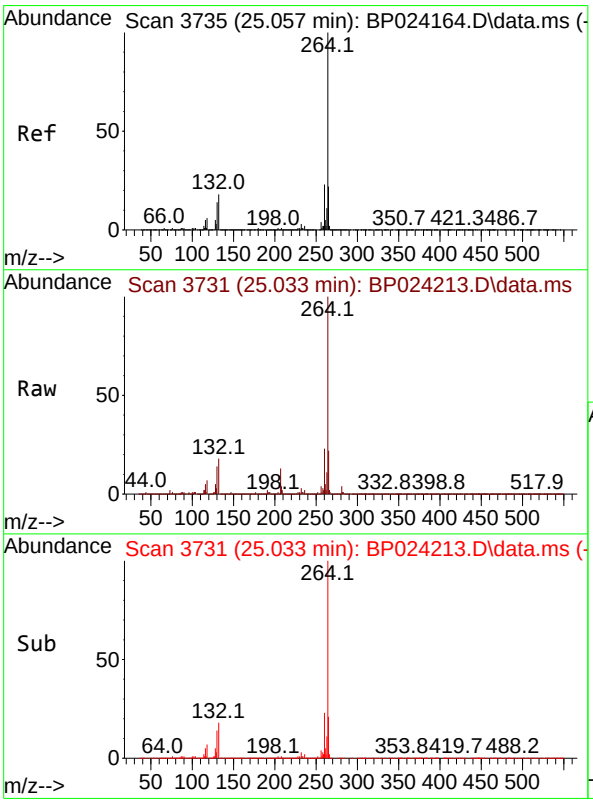

#85
Di-n-octyl phthalate
Concen: 47.566 ng
RT: 22.857 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:149 Resp: 5273316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.3 | 1.9 |
| 43 | 7.4 | 5.8 | 8.8 |

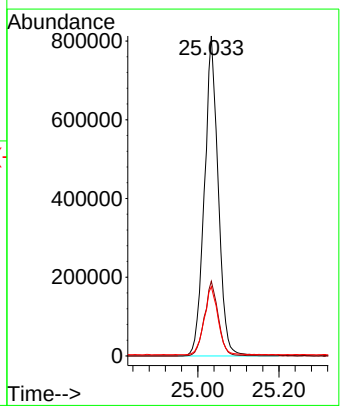


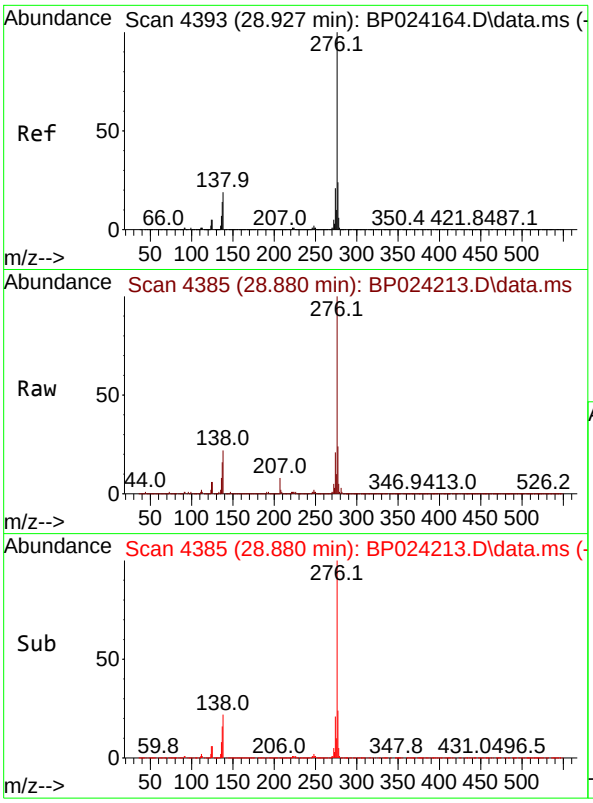




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.033 min Scan# 3731
Delta R.T. -0.023 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:264 Resp: 1910295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 18.5 | 27.7 |
| 265 | 21.7 | 17.7 | 26.5 |



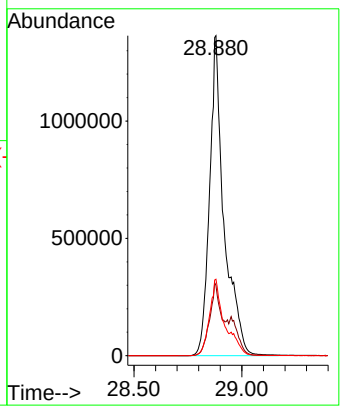


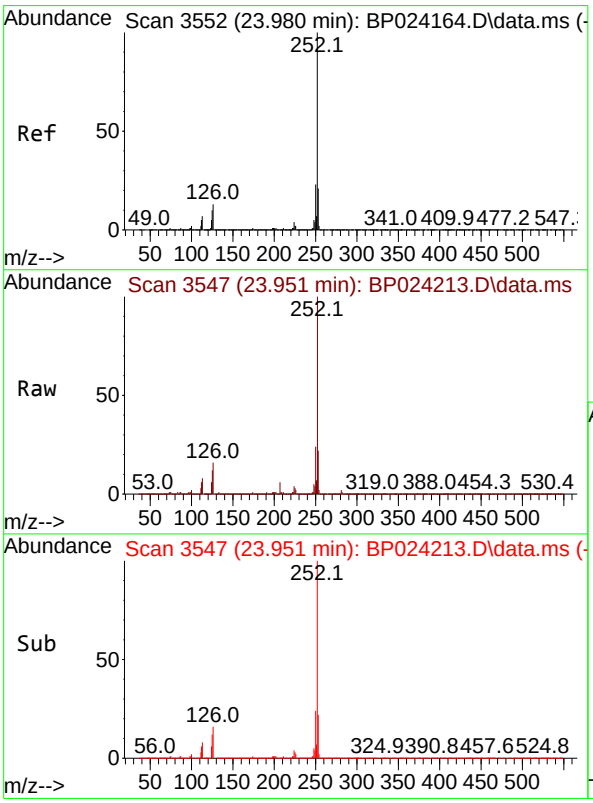

#87
Indeno(1,2,3-cd)pyrene
Concen: 47.685 ng
RT: 28.880 min Scan# 4
Delta R.T. -0.047 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:276 Resp: 6357522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.6 | 13.7 | 20.5 |
| 277 | 25.2 | 20.2 | 30.2 |

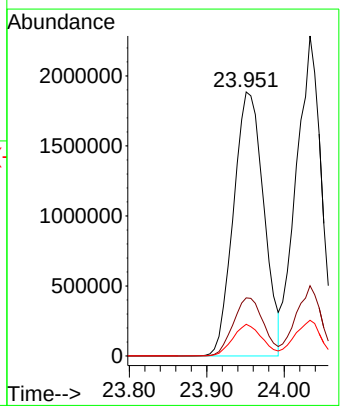


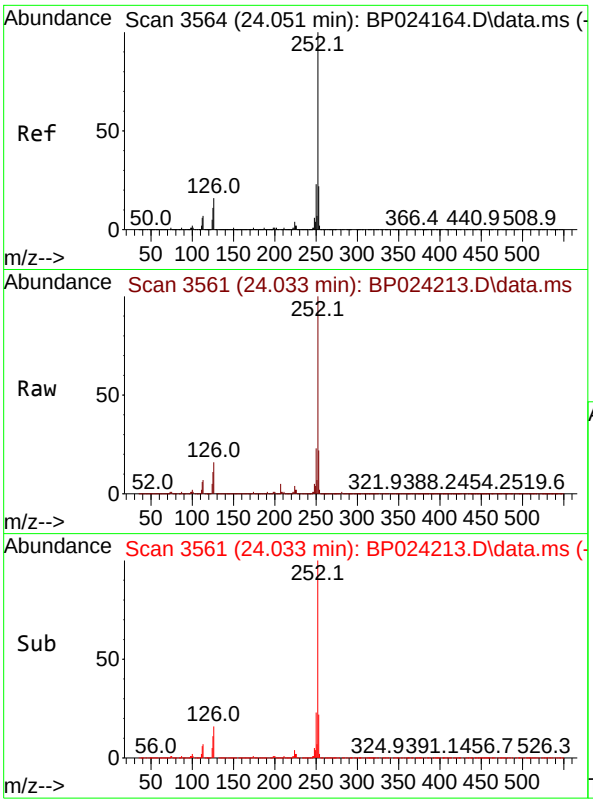




#88
Benzo(b)fluoranthene
Concen: 44.476 ng
RT: 23.951 min Scan# 3547
Delta R.T. -0.029 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:252 Resp: 5122724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.2 | 25.8 |
| 125 | 12.0 | 8.2 | 12.4 |



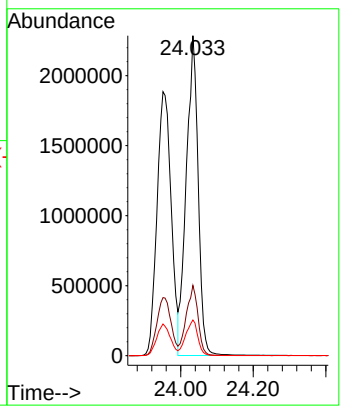


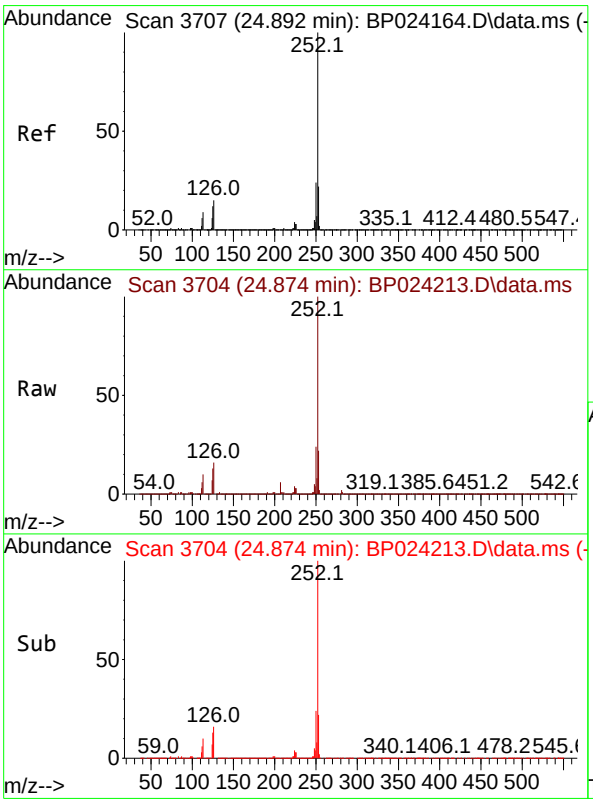

#89
Benzo(k)fluoranthene
Concen: 45.980 ng
RT: 24.033 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:252 Resp: 5180476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.7 | 26.5 |
| 125 | 11.2 | 9.1 | 13.7 |

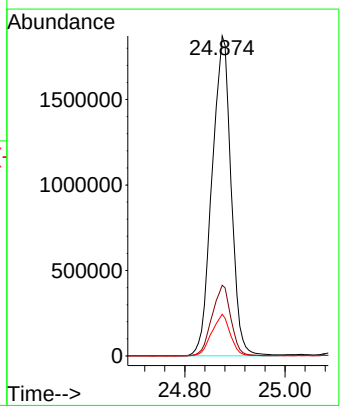


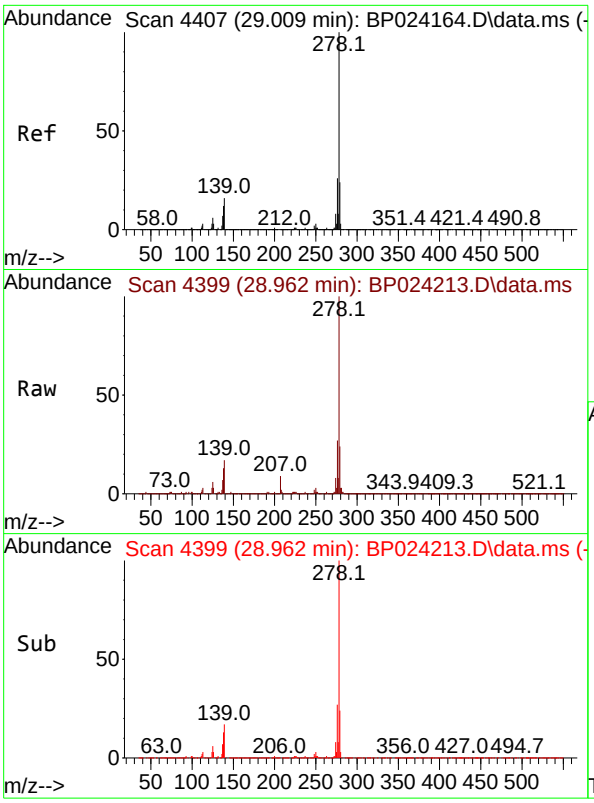




#90
Benzo(a)pyrene
Concen: 49.276 ng
RT: 24.874 min Scan# 3704
Delta R.T. -0.018 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:252 Resp: 4935291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.4 | 26.0 |
| 125 | 13.0 | 9.6 | 14.4 |



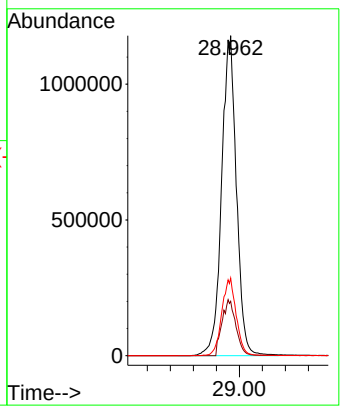


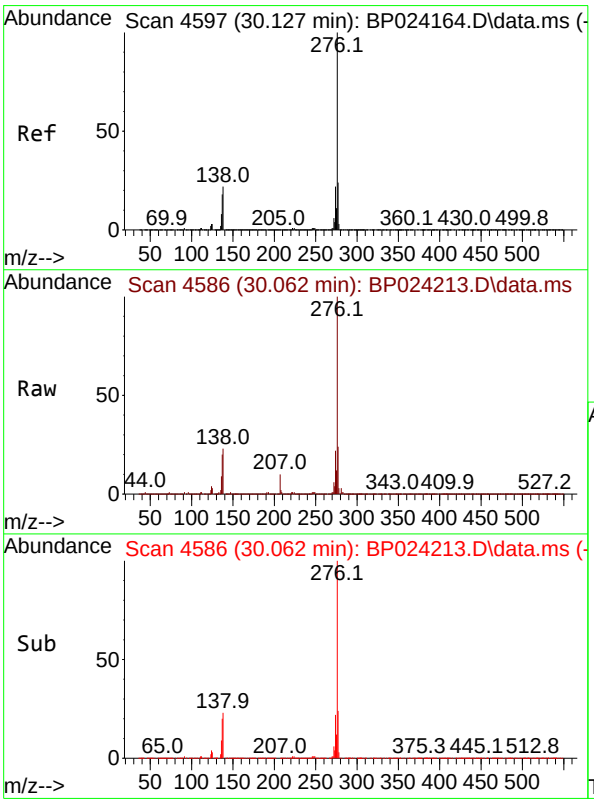

#91
Dibenzo(a,h)anthracene
Concen: 47.399 ng
RT: 28.962 min Scan# 4
Delta R.T. -0.047 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

**Instrument :**
BNA_P
**ClientSampleId :**
PB167474BS

Tgt Ion:278 Resp: 5257429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.0 | 13.0 | 19.4 |
| 279 | 24.2 | 18.8 | 28.2 |

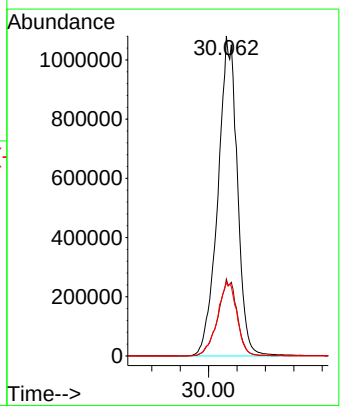



#92
Benzo(g,h,i)perylene
Concen: 45.357 ng
RT: 30.062 min Scan# 4586
Delta R.T. -0.065 min
Lab File: BP024213.D
Acq: 08 Apr 2025 15:04

Tgt Ion:276 Resp: 5114163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.0 | 19.2 | 28.8 |
| 138 | 22.9 | 17.4 | 26.2 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-VSL-15-040325MS | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-01MS | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 96.9 |
| Sample Wt/Vol: | 30.07 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group3 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024231.D | 1 | 04/07/25 08:55 | 04/09/25 12:15 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 91-20-3 | Naphthalene | 1.60 | | 0.023 | 0.13 | 0.18 | mg/Kg |
| 91-57-6 | 2-Methylnaphthalene | 1.50 | | 0.026 | 0.13 | 0.18 | mg/Kg |
| 208-96-8 | Acenaphthylene | 1.80 | | 0.030 | 0.13 | 0.18 | mg/Kg |
| 83-32-9 | Acenaphthene | 1.60 | | 0.022 | 0.13 | 0.18 | mg/Kg |
| 86-73-7 | Fluorene | 1.70 | | 0.026 | 0.13 | 0.18 | mg/Kg |
| 85-01-8 | Phenanthrene | 1.70 | | 0.022 | 0.13 | 0.18 | mg/Kg |
| 120-12-7 | Anthracene | 1.80 | | 0.034 | 0.13 | 0.18 | mg/Kg |
| 206-44-0 | Fluoranthene | 1.70 | | 0.031 | 0.13 | 0.18 | mg/Kg |
| 129-00-0 | Pyrene | 1.70 | | 0.037 | 0.13 | 0.18 | mg/Kg |
| 56-55-3 | Benzo(a)anthracene | 1.70 | | 0.024 | 0.13 | 0.18 | mg/Kg |
| 218-01-9 | Chrysene | 1.70 | | 0.021 | 0.13 | 0.18 | mg/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 1.70 | | 0.020 | 0.13 | 0.18 | mg/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 1.60 | | 0.023 | 0.13 | 0.18 | mg/Kg |
| 50-32-8 | Benzo(a)pyrene | 1.80 | | 0.030 | 0.13 | 0.18 | mg/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1.80 | | 0.030 | 0.13 | 0.18 | mg/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 1.80 | | 0.028 | 0.13 | 0.18 | mg/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 1.70 | | 0.027 | 0.13 | 0.18 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 103 | | 35 - 115 | | 69% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 105 | | 34 - 127 | | 70% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 72.4 | | 37 - 122 | | 72% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 70.3 | | 44 - 115 | | 70% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 98.7 | | 39 - 132 | | 66% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 77.3 | | 54 - 127 | | 77% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 281000 | 7.74 | | | | |
| 1146-65-2 | Naphthalene-d8 | 1120000 | 10.516 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 688000 | 14.374 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 1330000 | 17.18 | | | | |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-VSL-15-040325MS | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-01MS | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 96.9 |
| Sample Wt/Vol: | 30.07 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group3 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024231.D | 1 | 04/07/25 08:55 | 04/09/25 12:15 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 1719-03-5 | Chrysene-d12 | 1380000 | 21.639 | | | | |
| 1520-96-3 | Perylene-d12 | 1580000 | 25.003 | | | | |

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\BP040925\
Data File : BP024231.D
Acq On : 09 Apr 2025 12:15
Operator : RC/JU
Sample : Q1730-01MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Quant Time: Apr 10 01:57:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.740 | 152 | 281108 | 20.000 | ng | | -0.03 |
| 21) Naphthalene-d8 | 10.516 | 136 | 1119091 | 20.000 | ng | | -0.04 |
| 39) Acenaphthene-d10 | 14.374 | 164 | 687797 | 20.000 | ng | | -0.03 |
| 64) Phenanthrene-d10 | 17.180 | 188 | 1328842 | 20.000 | ng | | -0.02 |
| 76) Chrysene-d12 | 21.639 | 240 | 1384500 | 20.000 | ng | | -0.02 |
| 86) Perylene-d12 | 25.003 | 264 | 1577239 | 20.000 | ng | | -0.05 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.357 | 112 | 1819928 | 103.345 | ng | | -0.02 |
| 7) Phenol-d6 | 6.922 | 99 | 2475078 | 105.102 | ng | | -0.03 |
| 23) Nitrobenzene-d5 | 8.887 | 82 | 1435411 | 72.369 | ng | | -0.04 |
| 42) 2,4,6-Tribromophenol | 15.886 | 330 | 855408 | 98.735 | ng | | -0.03 |
| 45) 2-Fluorobiphenyl | 12.986 | 172 | 3280261 | 70.324 | ng | | -0.03 |
| 79) Terphenyl-d14 | 19.909 | 244 | 5187087 | 77.337 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.299 | 88 | 317706 | 45.513 | ng | | 97 |
| 3) Pyridine | 3.687 | 79 | 868827 | 45.529 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.599 | 42 | 304479 | 47.764 | ng | # | 95 |
| 6) Aniline | 7.075 | 93 | 636625 | 29.672 | ng | | 98 |
| 8) 2-Chlorophenol | 7.310 | 128 | 953022 | 50.102 | ng | | 98 |
| 9) Benzaldehyde | 6.887 | 77 | 524999 | 46.196 | ng | | 97 |
| 10) Phenol | 6.945 | 94 | 1233551 | 51.888 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.169 | 93 | 891121 | 47.533 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.628 | 146 | 988820 | 48.206 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 7.775 | 146 | 1003118 | 47.895 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.087 | 146 | 956599 | 47.596 | ng | | 98 |
| 15) Benzyl Alcohol | 7.981 | 79 | 791078 | 53.060 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.257 | 45 | 964724 | 50.419 | ng | | 97 |
| 17) 2-Methylphenol | 8.181 | 107 | 790144 | 53.003 | ng | | 98 |
| 18) Hexachloroethane | 8.810 | 117 | 360239 | 48.481 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.534 | 70 | 659556 | 48.277 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.504 | 107 | 1070403 | 52.263 | ng | | 99 |
| 22) Acetophenone | 8.551 | 105 | 1329945 | 47.006 | ng | | 99 |
| 24) Nitrobenzene | 8.928 | 77 | 958156 | 48.968 | ng | | 99 |
| 25) Isophorone | 9.451 | 82 | 1824153 | 53.651 | ng | | 99 |
| 26) 2-Nitrophenol | 9.634 | 139 | 490139 | 52.441 | ng | | 100 |
| 27) 2,4-Dimethylphenol | 9.698 | 122 | 820298 | 68.254 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 9.928 | 93 | 1174695 | 49.111 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.169 | 162 | 840904 | 51.723 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.381 | 180 | 846155 | 47.107 | ng | | 100 |
| 31) Naphthalene | 10.569 | 128 | 2730588 | 46.030 | ng | | 100 |
| 32) Benzoic acid | 9.845 | 122 | 675754 | 57.653 | ng | | 97 |
| 33) 4-Chloroaniline | 10.675 | 127 | 392859 | 18.506 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.851 | 225 | 484291 | 46.847 | ng | | 98 |
| 35) Caprolactam | 11.469 | 113 | 302043 | 56.686 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 11.810 | 107 | 937414 | 53.448 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.180 | 142 | 1731705 | 43.210 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.398 | 142 | 1805790 | 46.327 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.551 | 216 | 911843 | 45.862 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.533 | 237 | 1255898 | 175.238 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.798 | 196 | 653973 | 51.757 | ng | | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024231.D
Acq On : 09 Apr 2025 12:15
Operator : RC/JU
Sample : Q1730-01MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Quant Time: Apr 10 01:57:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

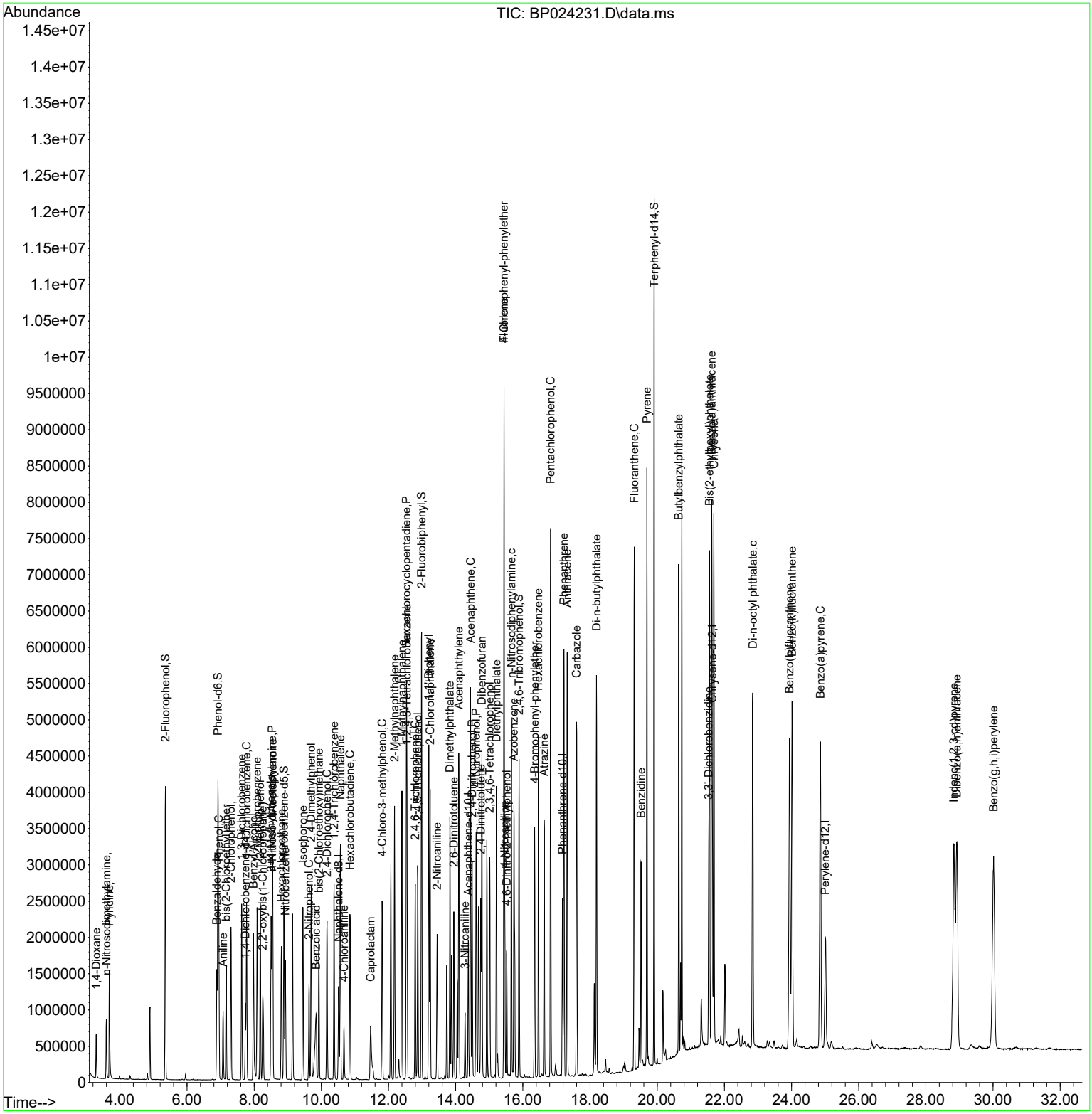
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.869 | 196 | 732067 | 52.830 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.198 | 154 | 2399237 | 46.421 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.239 | 162 | 1847743 | 47.529 | ng | 99 |
| 48) 2-Nitroaniline | 13.445 | 65 | 556993 | 56.017 | ng | 97 |
| 49) Acenaphthylene | 14.092 | 152 | 3103808 | 52.765 | ng | 100 |
| 50) Dimethylphthalate | 13.827 | 163 | 2338909 | 48.599 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 13.945 | 165 | 525176 | 51.864 | ng | 99 |
| 52) Acenaphthene | 14.445 | 154 | 1776413 | 47.265 | ng | 98 |
| 53) 3-Nitroaniline | 14.280 | 138 | 247933 | 22.670 | ng | 98 |
| 54) 2,4-Dinitrophenol | 14.492 | 184 | 693735 | 129.477 | ng | 98 |
| 55) Dibenzofuran | 14.780 | 168 | 2781282 | 45.685 | ng | 99 |
| 56) 4-Nitrophenol | 14.610 | 139 | 1086728 | 118.918 | ng | 97 |
| 57) 2,4-Dinitrotoluene | 14.751 | 165 | 736493 | 55.063 | ng | 97 |
| 58) Fluorene | 15.439 | 166 | 2287142 | 48.218 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.016 | 232 | 627051 | 51.218 | ng | 99 |
| 60) Diethylphthalate | 15.216 | 149 | 2375103 | 49.558 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.439 | 204 | 1091368 | 46.911 | ng | 99 |
| 62) 4-Nitroaniline | 15.463 | 138 | 566183 | 49.359 | ng | 99 |
| 63) Azobenzene | 15.733 | 77 | 2590747 | 57.354 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.521 | 198 | 420734 | 53.333 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 15.663 | 169 | 1994927 | 49.438 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.351 | 248 | 710539 | 48.702 | ng | 98 |
| 68) Hexachlorobenzene | 16.463 | 284 | 816929 | 47.309 | ng | 96 |
| 69) Atrazine | 16.633 | 200 | 723151 | 74.247 | ng | 99 |
| 70) Pentachlorophenol | 16.827 | 266 | 1231248 | 110.257 | ng | 100 |
| 71) Phenanthrene | 17.221 | 178 | 3556819 | 48.996 | ng | 99 |
| 72) Anthracene | 17.321 | 178 | 3617810 | 51.168 | ng | 100 |
| 73) Carbazole | 17.598 | 167 | 3495657 | 51.267 | ng | 99 |
| 74) Di-n-butylphthalate | 18.192 | 149 | 4265840 | 52.702 | ng | 99 |
| 75) Fluoranthene | 19.315 | 202 | 4145716 | 49.309 | ng | 99 |
| 77) Benzidine | 19.521 | 184 | 1493656 | 98.674 | ng | 99 |
| 78) Pyrene | 19.692 | 202 | 4308248 | 50.053 | ng | 100 |
| 80) Butylbenzylphthalate | 20.639 | 149 | 2002861 | 56.426 | ng | 98 |
| 81) Benzo(a)anthracene | 21.621 | 228 | 4370438 | 50.773 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.533 | 252 | 933391 | 32.354 | ng | 100 |
| 83) Chrysene | 21.686 | 228 | 4036729 | 48.783 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.556 | 149 | 2890618 | 53.971 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.845 | 149 | 4920837 | 57.344 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.827 | 276 | 5796219 | 52.655 | ng | 94 |
| 88) Benzo(b)fluoranthene | 23.939 | 252 | 4593867 | 48.307 | ng | 97 |
| 89) Benzo(k)fluoranthene | 24.015 | 252 | 4451059 | 47.849 | ng | 100 |
| 90) Benzo(a)pyrene | 24.862 | 252 | 4402724 | 53.241 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.921 | 278 | 4773931 | 52.128 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 30.015 | 276 | 4701649 | 50.504 | ng | 97 |

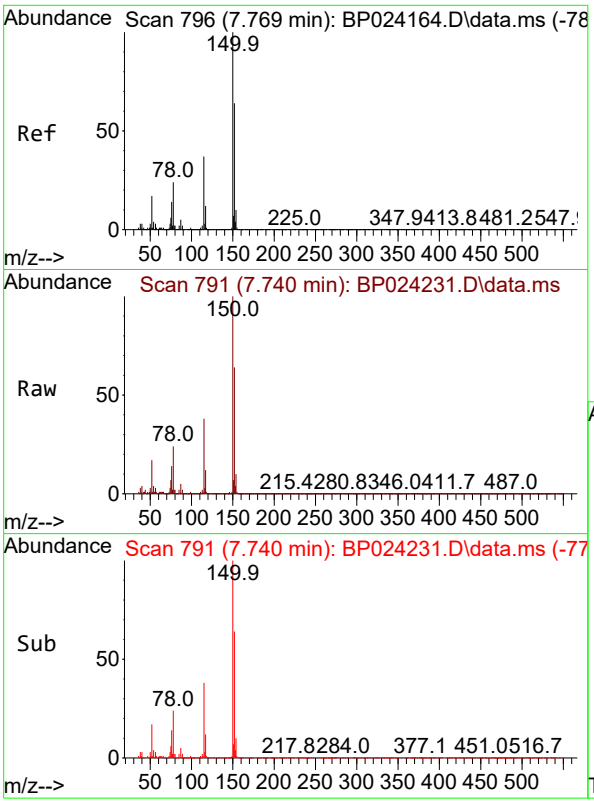
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024231.D
Acq On : 09 Apr 2025 12:15
Operator : RC/JU
Sample : Q1730-01MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Quant Time: Apr 10 01:57:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration



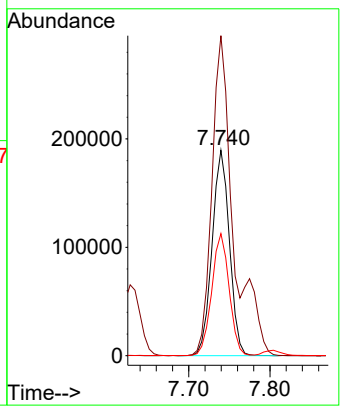


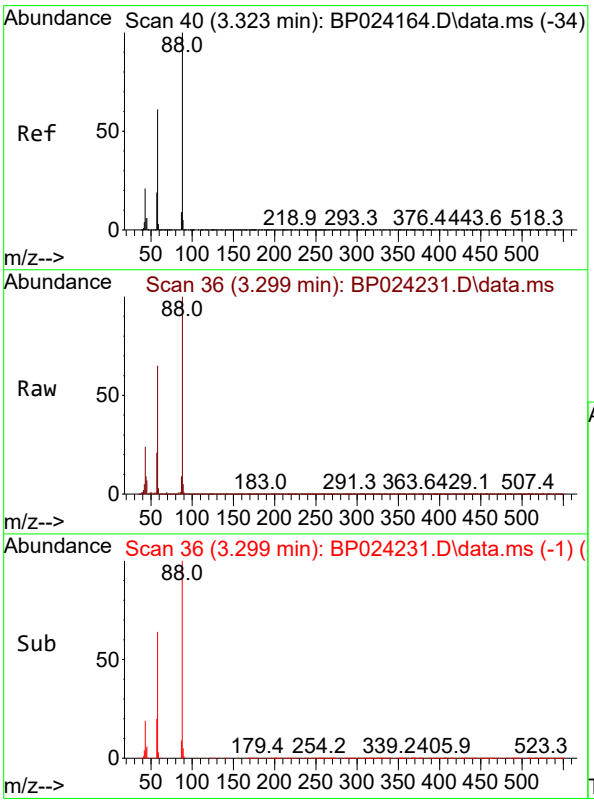

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.029 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:152 Resp: 281108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.8 | 125.5 | 188.3 |
| 115 | 59.4 | 46.3 | 69.5 |

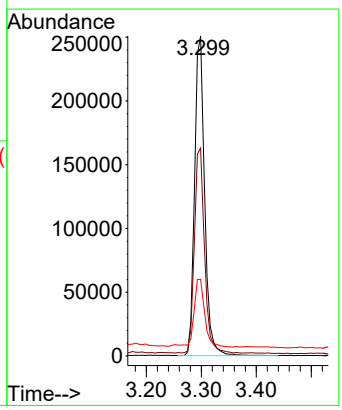


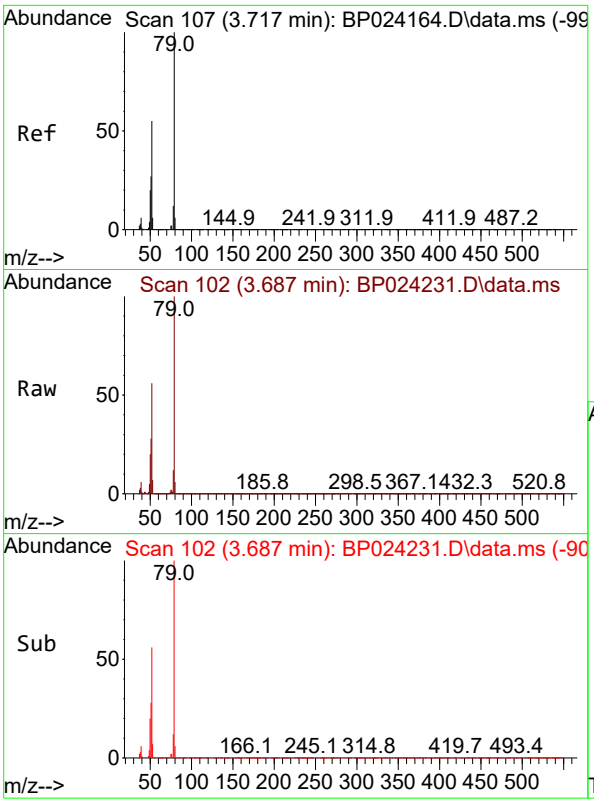




#2
1,4-Dioxane
Concen: 45.513 ng
RT: 3.299 min Scan# 36
Delta R.T. -0.024 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion: 88 Resp: 317706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 64.5 | 49.8 | 74.6 |
| 43 | 22.4 | 17.3 | 25.9 |



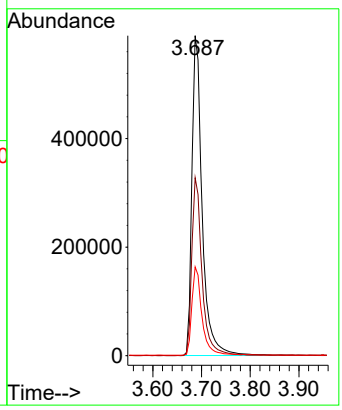


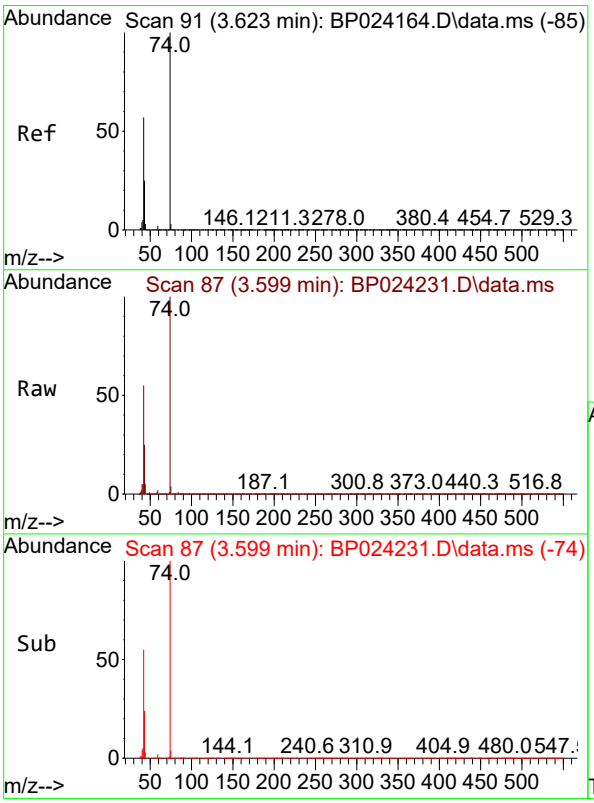

#3
Pyridine
Concen: 45.529 ng
RT: 3.687 min Scan# 1
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion: 79 Resp: 868827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 55.6 | 43.8 | 65.8 |
| 51 | 27.7 | 21.6 | 32.4 |

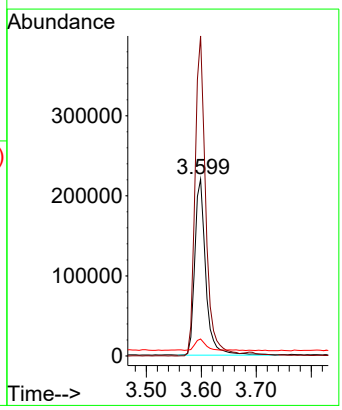


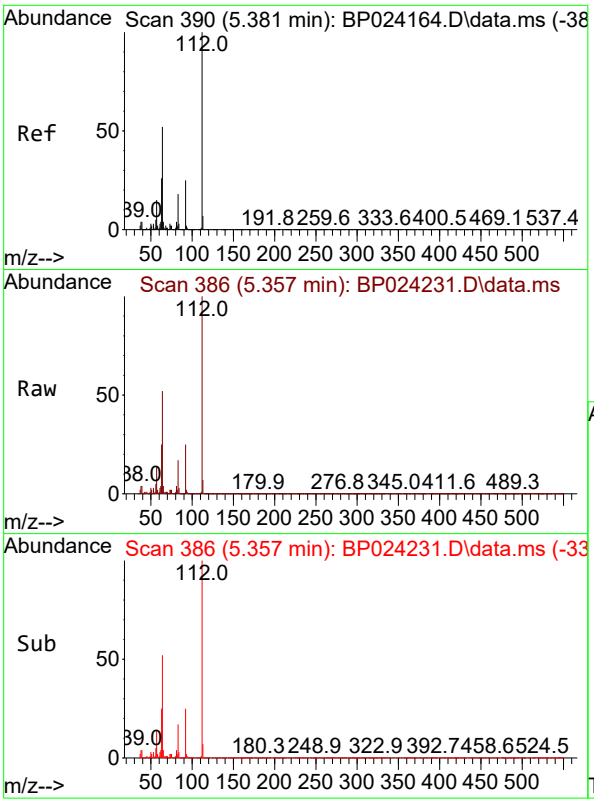




#4
n-Nitrosodimethylamine
Concen: 47.764 ng
RT: 3.599 min Scan# 87
Delta R.T. -0.024 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion: 42 Resp: 304479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 180.9 | 139.8 | 209.6 |
| 44 | 9.6 | 5.3 | 7.9# |



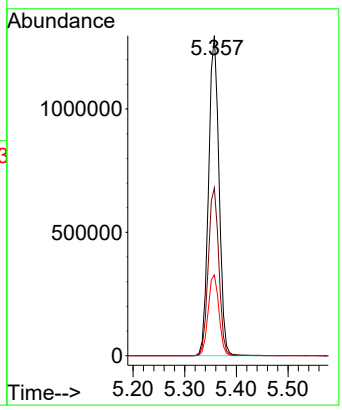


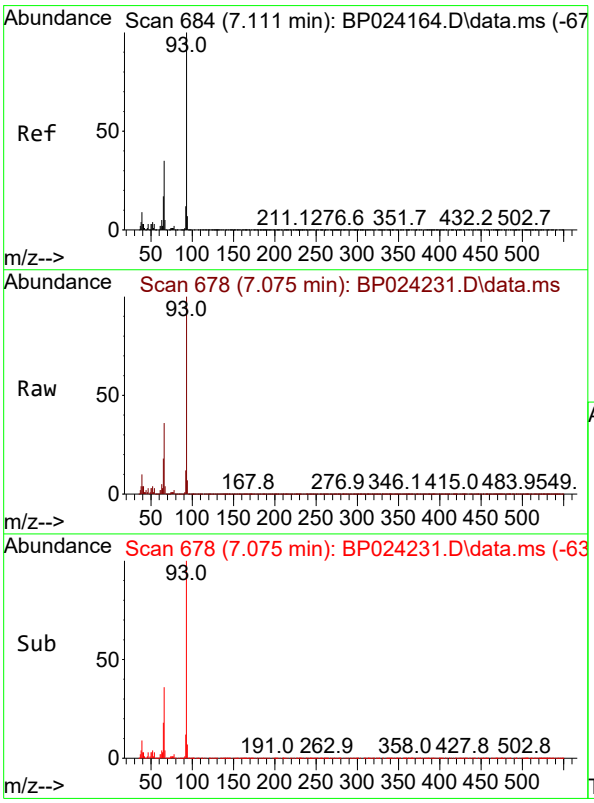

#5
2-Fluorophenol
Concen: 103.345 ng
RT: 5.357 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:112 Resp: 1819928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.4 | 41.3 | 61.9 |
| 63 | 25.2 | 20.6 | 31.0 |

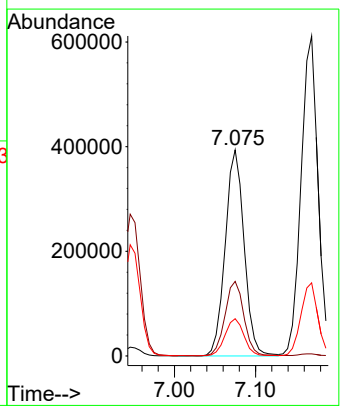


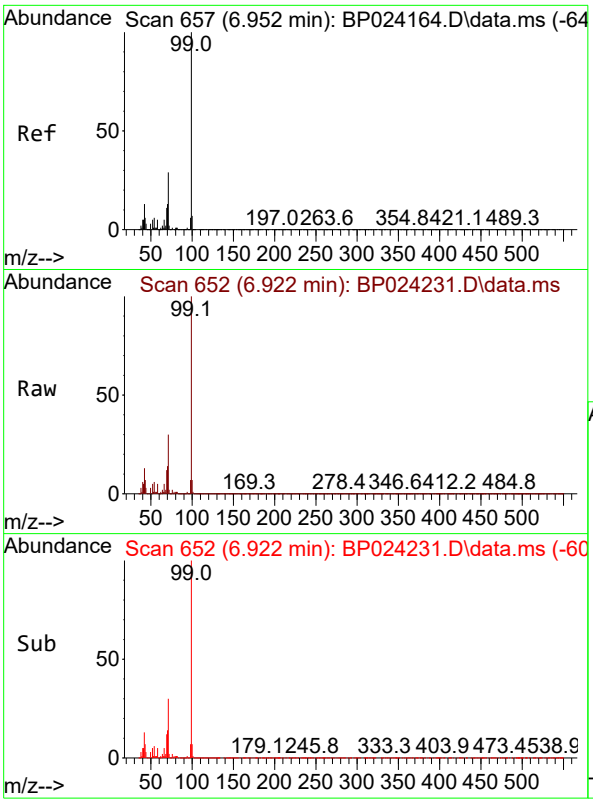




#6
Aniline
Concen: 29.672 ng
RT: 7.075 min Scan# 678
Delta R.T. -0.036 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion: 93 Resp: 636625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 36.2 | 28.2 | 42.2 |
| 65 | 18.1 | 14.0 | 21.0 |



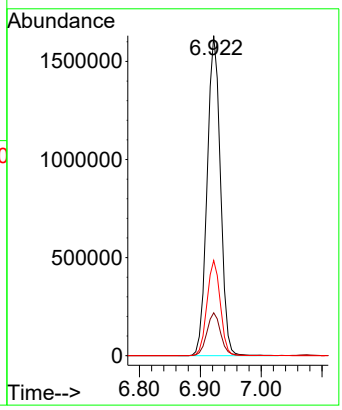


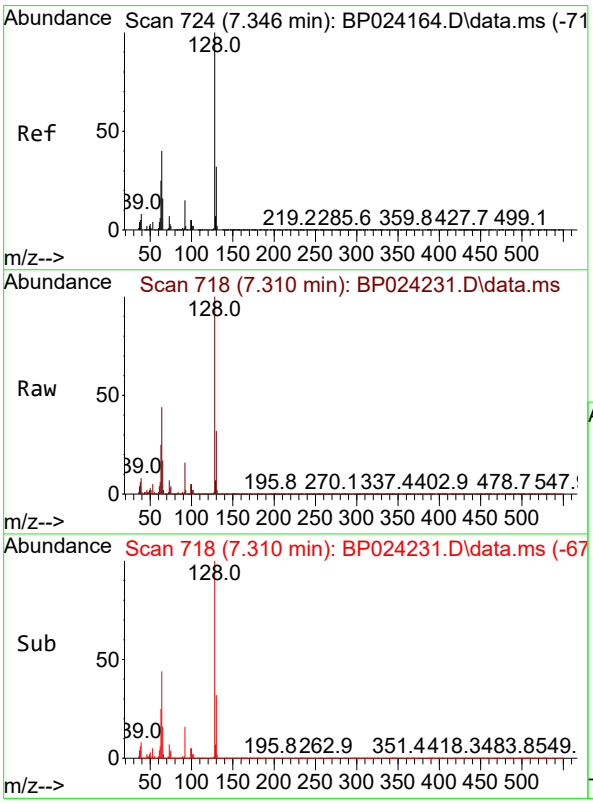

#7
Phenol-d6
Concen: 105.102 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion: 99 Resp: 2475078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.4 | 10.6 | 16.0 |
| 71 | 29.8 | 23.3 | 34.9 |

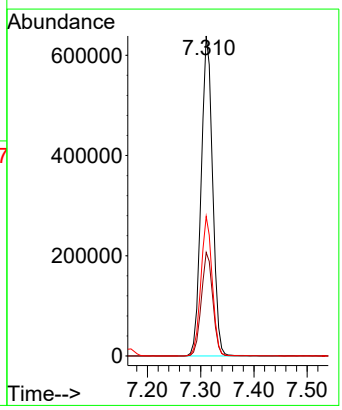


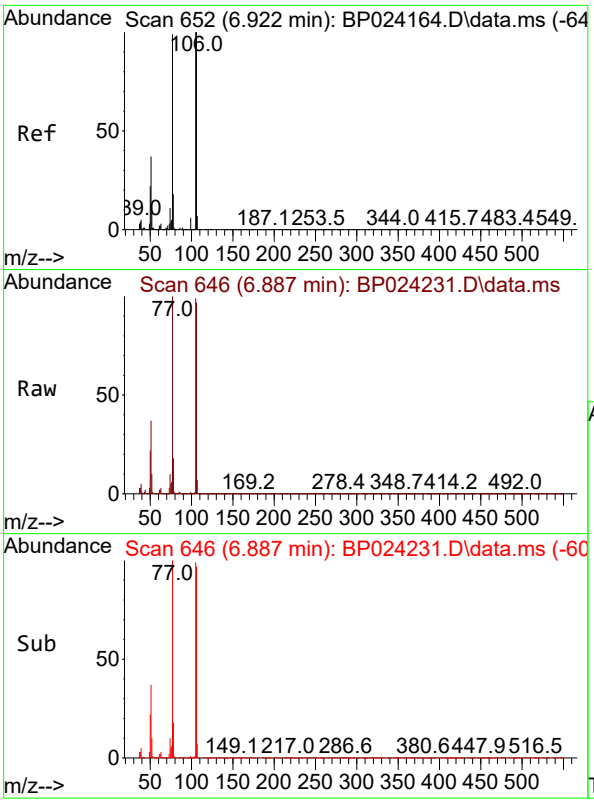




#8
2-Chlorophenol
Concen: 50.102 ng
RT: 7.310 min Scan# 718
Delta R.T. -0.036 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:128 Resp: 953022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.4 | 12.0 | 52.0 |
| 64 | 43.6 | 21.6 | 61.6 |



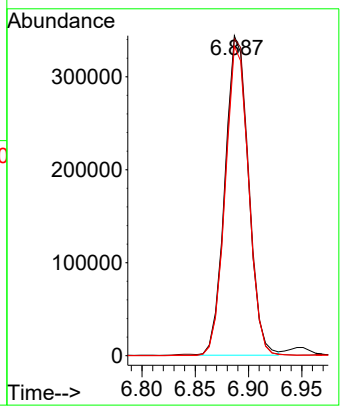


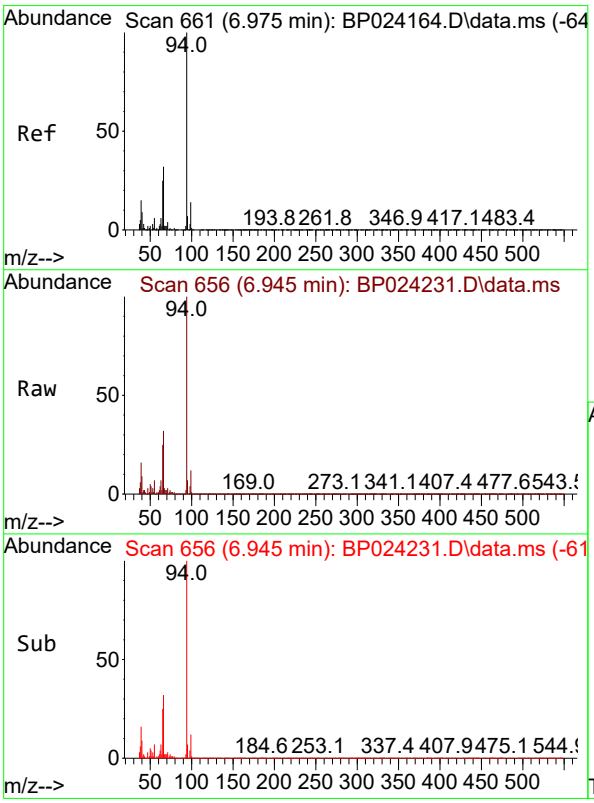

#9
Benzaldehyde
Concen: 46.196 ng
RT: 6.887 min Scan# 64
Delta R.T. -0.036 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion: 77 Resp: 524999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.0 | 81.4 | 121.4 |
| 106 | 96.7 | 81.1 | 121.1 |

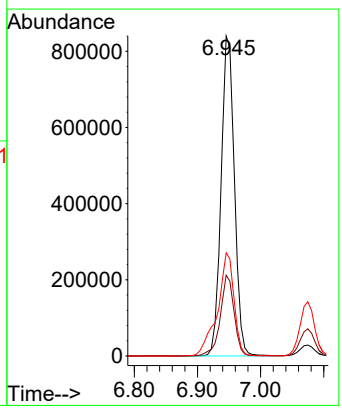


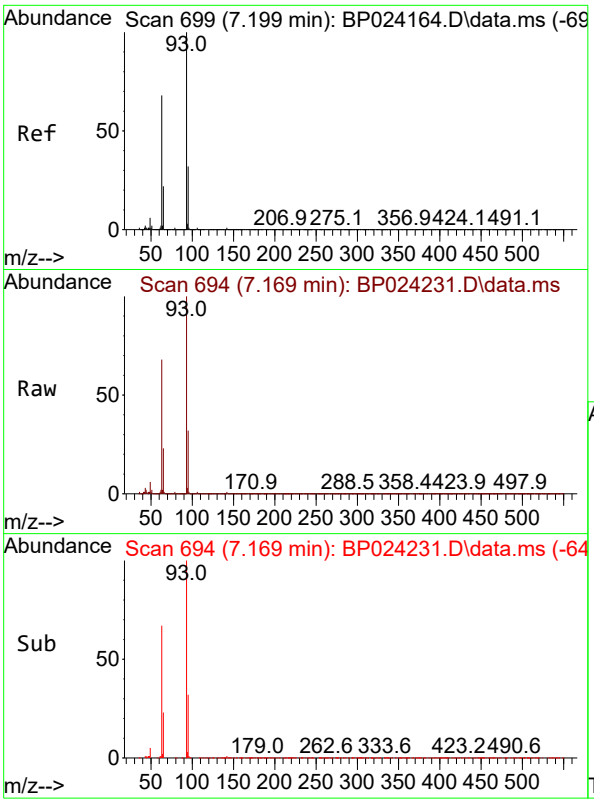




#10
Phenol
Concen: 51.888 ng
RT: 6.945 min Scan# 656
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion: 94 Resp: 1233551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 25.3 | 4.9 | 44.9 |
| 66 | 32.2 | 11.9 | 51.9 |



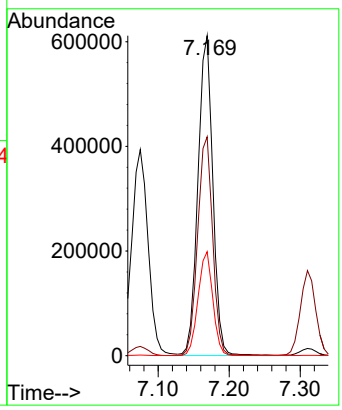


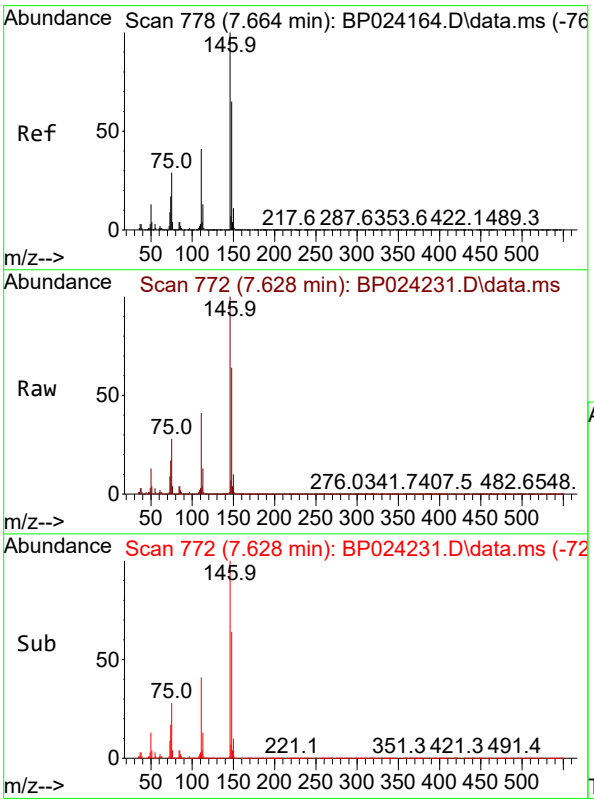

#11
bis(2-Chloroethyl)ether
Concen: 47.533 ng
RT: 7.169 min Scan# 6
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion: 93 Resp: 891121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 68.4 | 47.4 | 87.4 |
| 95 | 32.5 | 12.1 | 52.1 |

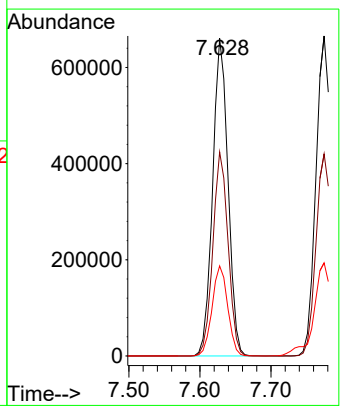


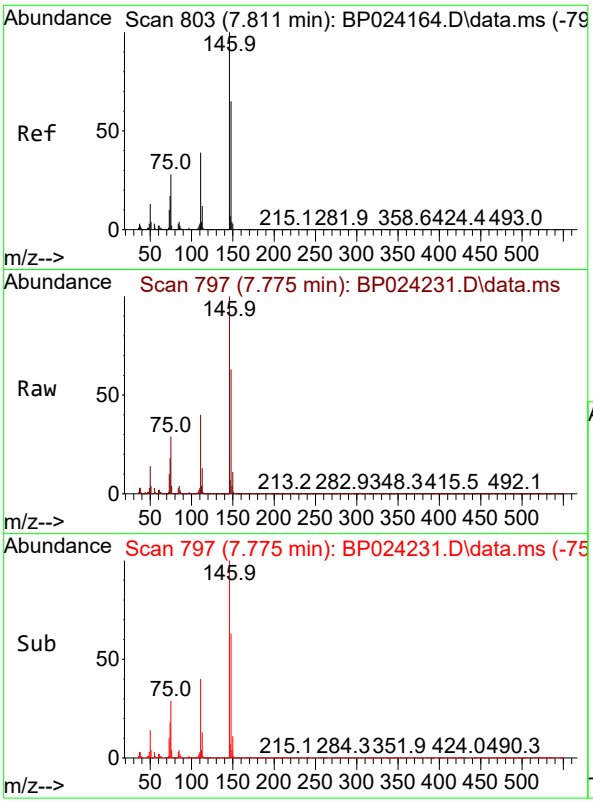




#12
1,3-Dichlorobenzene
Concen: 48.206 ng
RT: 7.628 min Scan# 772
Delta R.T. -0.036 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:146 Resp: 988820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.6 | 77.4 |
| 75 | 28.4 | 22.8 | 34.2 |



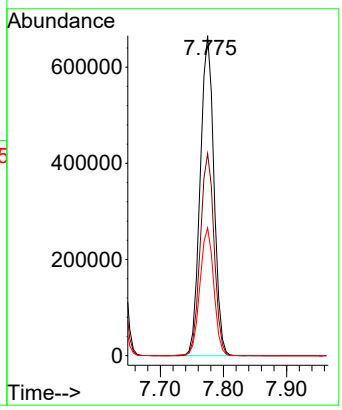


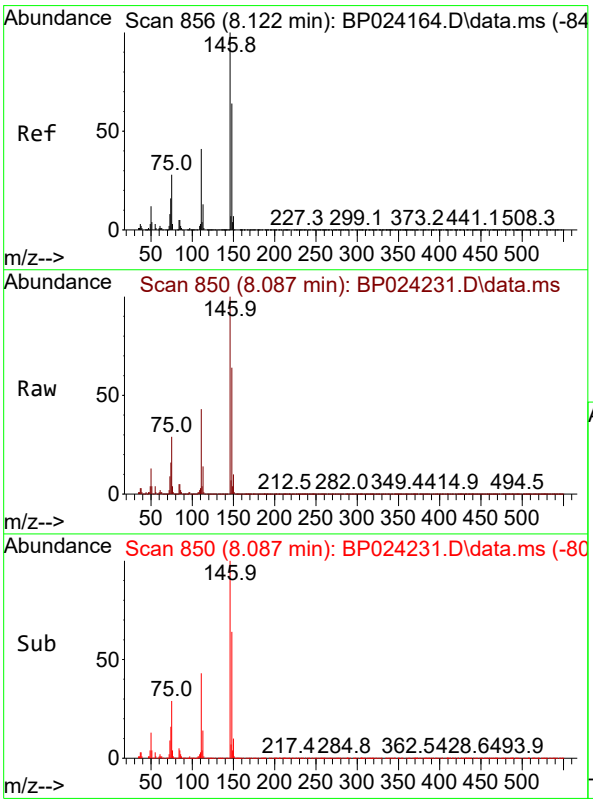

#13
1,4-Dichlorobenzene
Concen: 47.895 ng
RT: 7.775 min Scan# 7
Delta R.T. -0.036 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:146 Resp: 1003118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.2 | 51.9 | 77.9 |
| 111 | 39.9 | 31.4 | 47.2 |

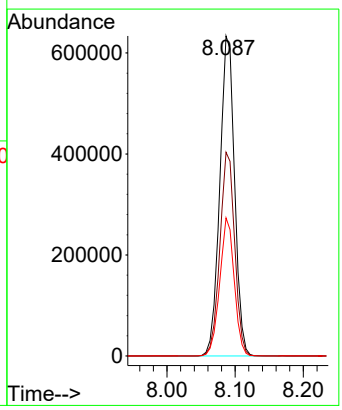


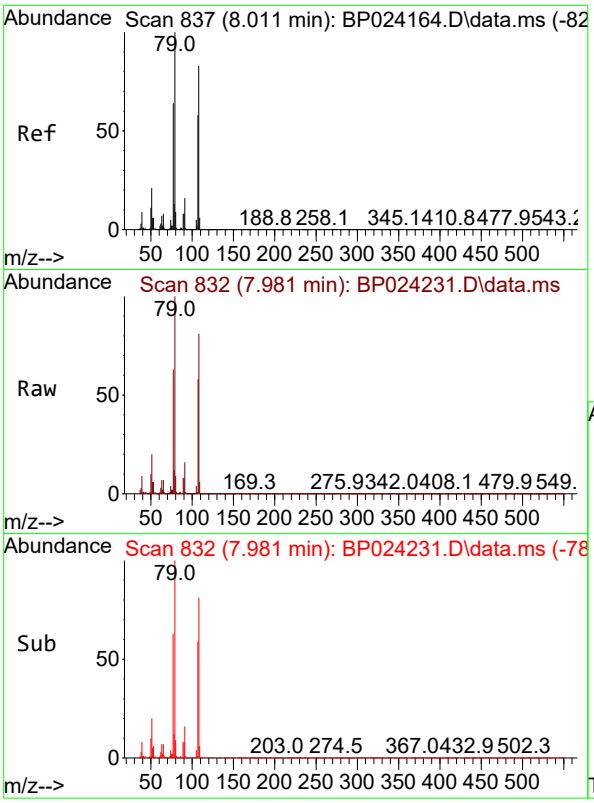




#14
1,2-Dichlorobenzene
Concen: 47.596 ng
RT: 8.087 min Scan# 850
Delta R.T. -0.036 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:146 Resp: 956599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.7 | 51.4 | 77.2 |
| 111 | 43.1 | 33.2 | 49.8 |



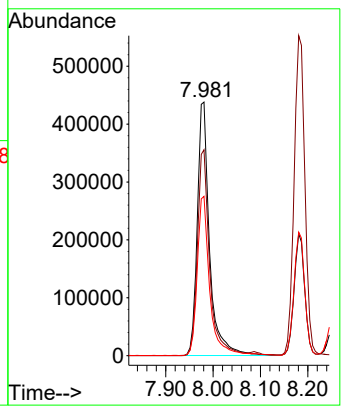


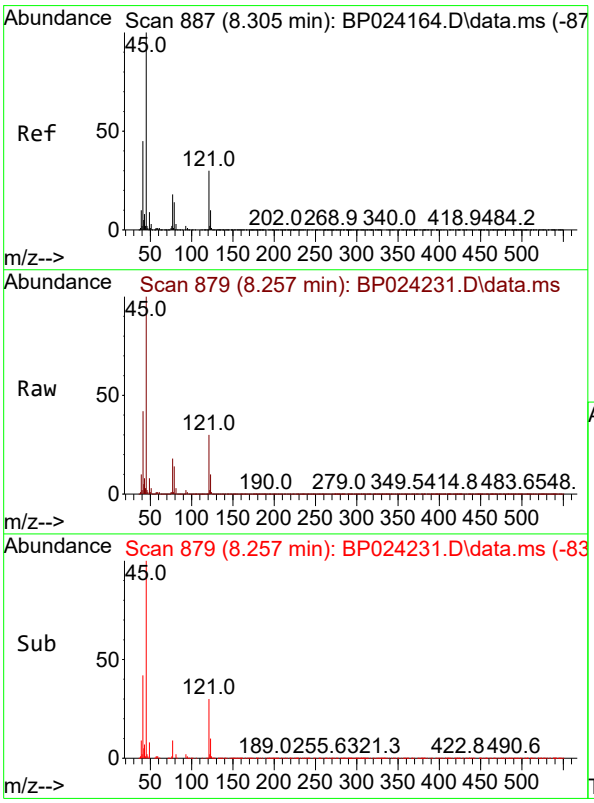

#15
Benzyl Alcohol
Concen: 53.060 ng
RT: 7.981 min Scan# 8
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion: 79 Resp: 791078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 81.2 | 66.5 | 99.7 |
| 77 | 62.8 | 50.9 | 76.3 |

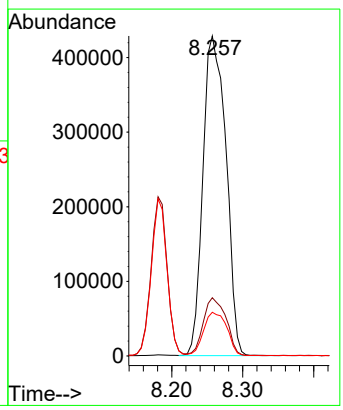


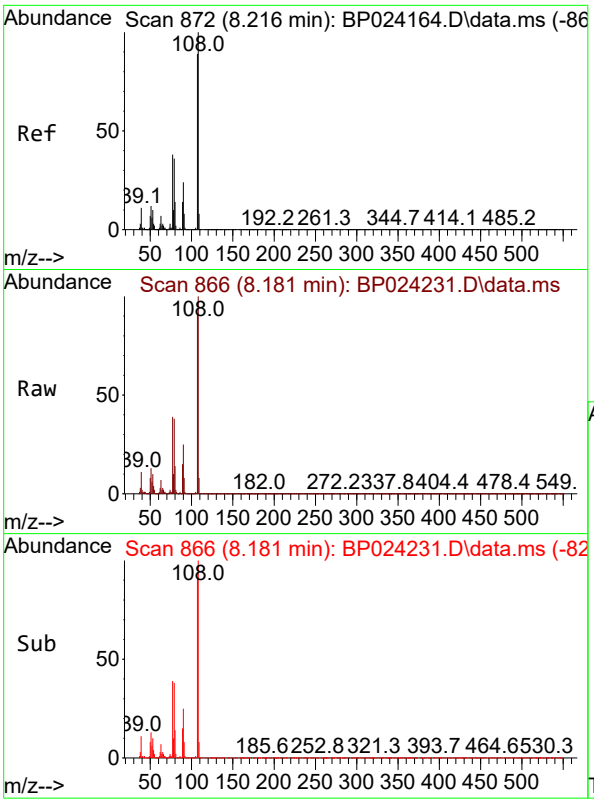




#16
2,2'-oxybis(1-Chloropropane)
Concen: 50.419 ng
RT: 8.257 min Scan# 879
Delta R.T. -0.047 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion: 45 Resp: 964724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 18.2 | 0.0 | 39.0 |
| 79 | 13.7 | 0.0 | 35.6 |



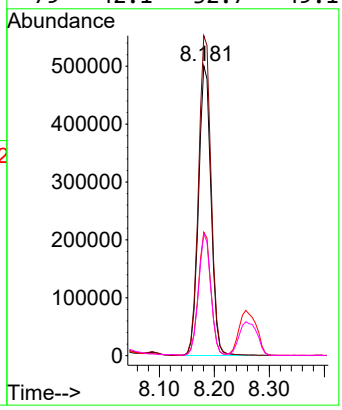


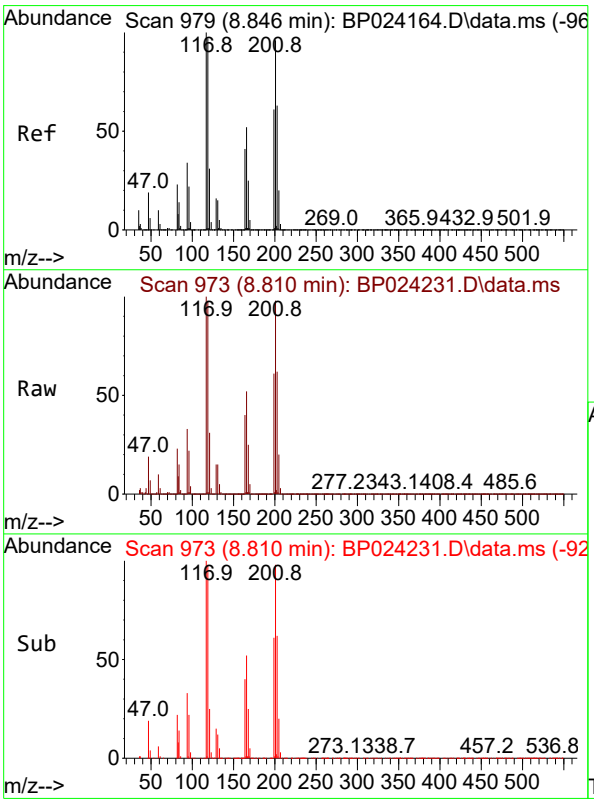

#17
2-Methylphenol
Concen: 53.003 ng
RT: 8.181 min Scan# 8
Delta R.T. -0.036 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:107 Resp: 790144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 110.4 | 90.0 | 135.0 |
| 77 | 42.6 | 34.0 | 51.0 |
| 79 | 42.1 | 32.7 | 49.1 |

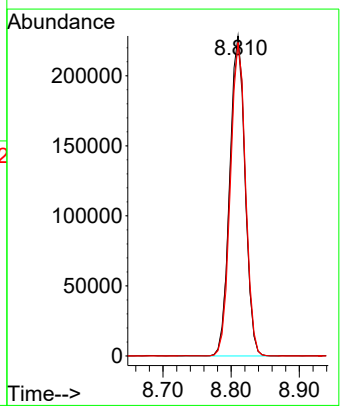


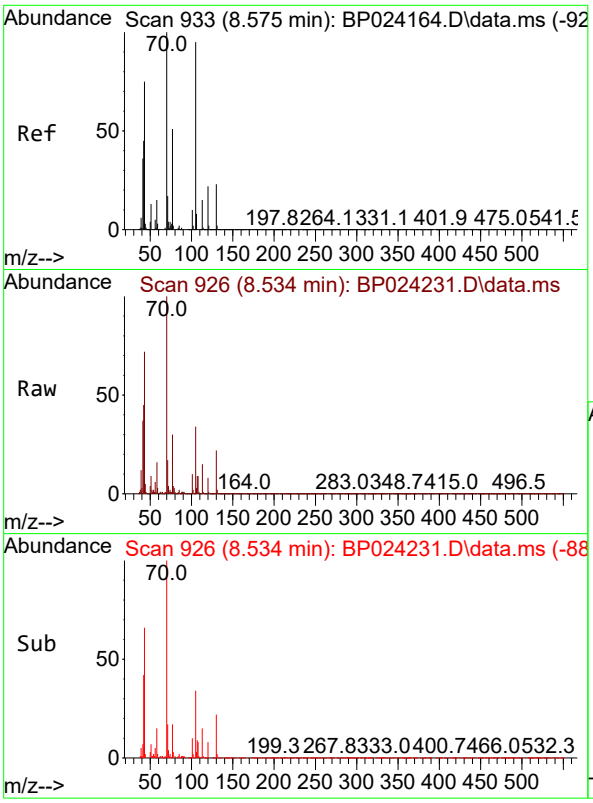




#18
Hexachloroethane
Concen: 48.481 ng
RT: 8.810 min Scan# 973
Delta R.T. -0.036 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:117 Resp: 360239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 98.0 | 77.4 | 116.0 |
| 201 | 97.9 | 76.6 | 114.8 |



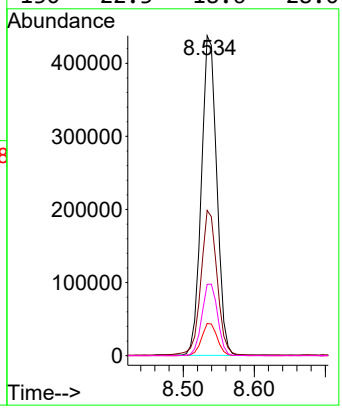


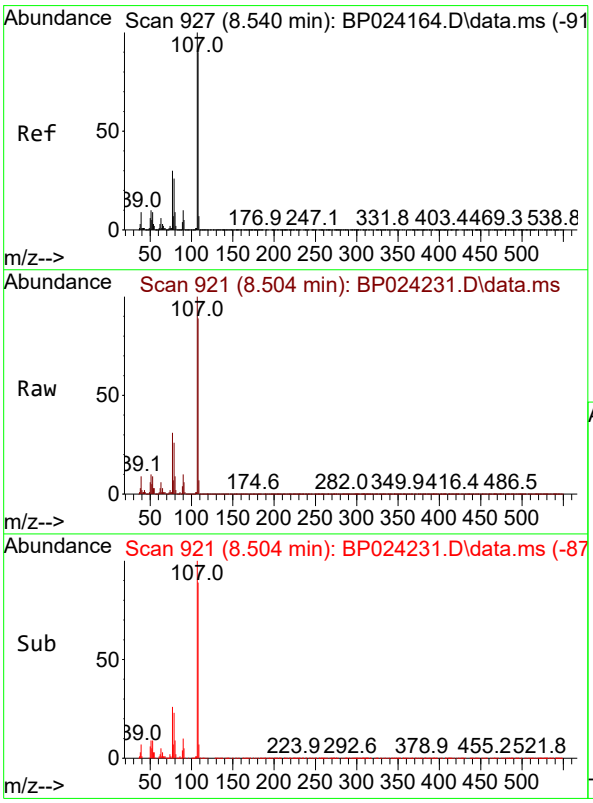

#19
n-Nitroso-di-n-propylamine
Concen: 48.277 ng
RT: 8.534 min Scan# 9
Delta R.T. -0.042 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion: 70 Resp: 659556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 45.4 | 36.0 | 54.0 |
| 101 | 10.0 | 8.3 | 12.5 |
| 130 | 22.3 | 18.6 | 28.0 |

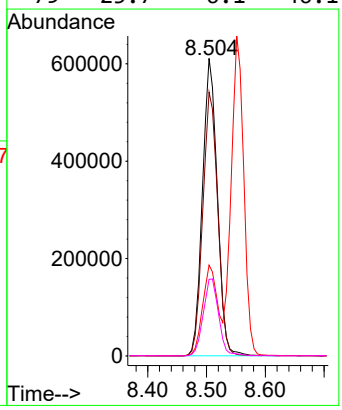


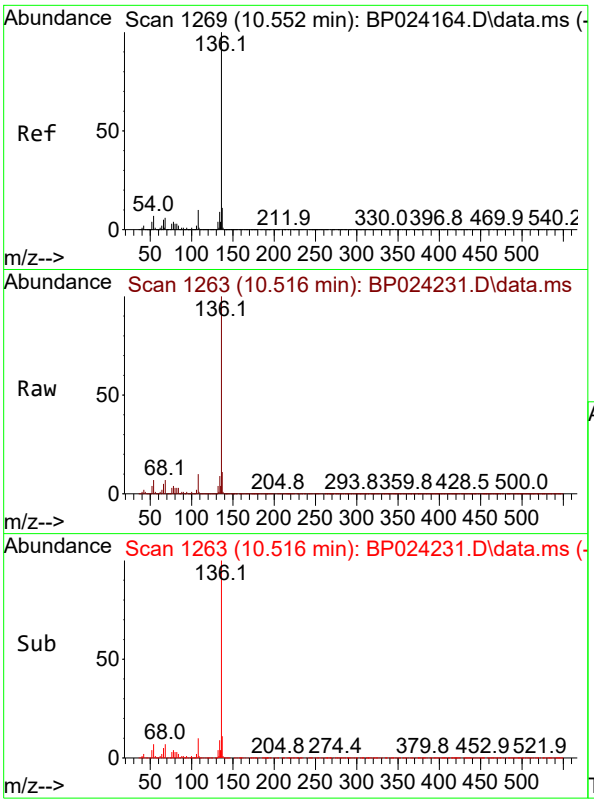




#20
3+4-Methylphenols
Concen: 52.263 ng
RT: 8.504 min Scan# 921
Delta R.T. -0.036 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:107 Resp: 1070403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.7 | 69.7 | 109.7 |
| 77 | 30.5 | 10.3 | 50.3 |
| 79 | 25.7 | 6.1 | 46.1 |



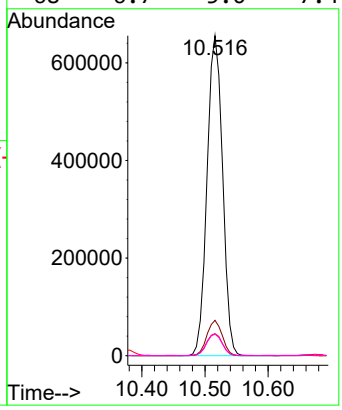


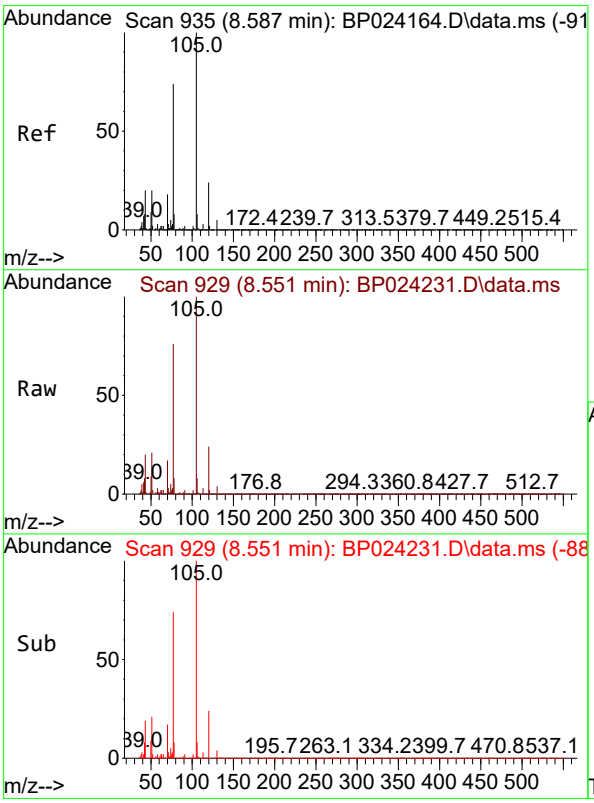

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1
Delta R.T. -0.036 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:136 Resp: 1119091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 9.0 | 13.4 |
| 54 | 6.9 | 5.3 | 7.9 |
| 68 | 6.7 | 5.0 | 7.4 |

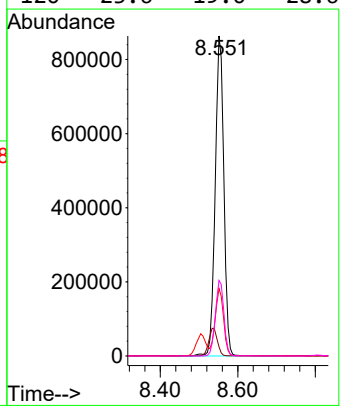


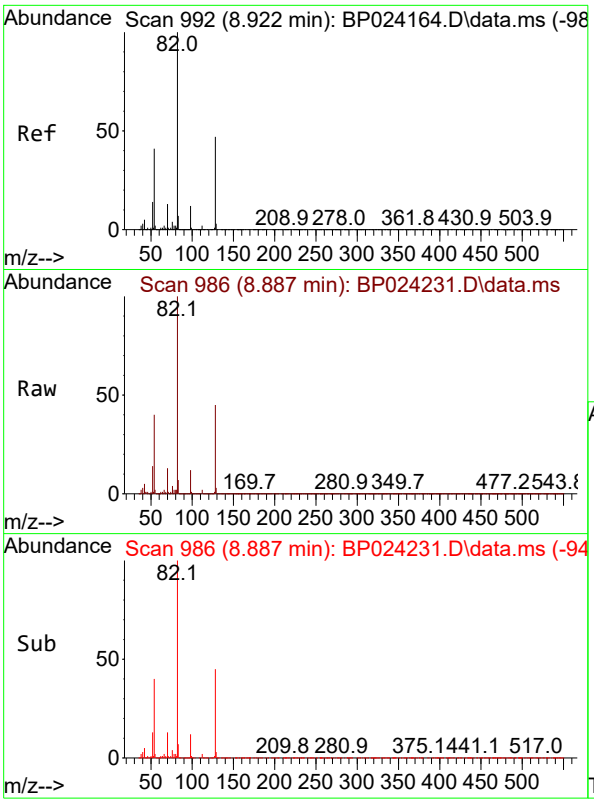




#22
Acetophenone
Concen: 47.006 ng
RT: 8.551 min Scan# 929
Delta R.T. -0.036 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:105 Resp: 1329945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 2.8 | 2.4 | 3.6 |
| 51 | 21.1 | 16.2 | 24.2 |
| 120 | 23.6 | 19.0 | 28.6 |



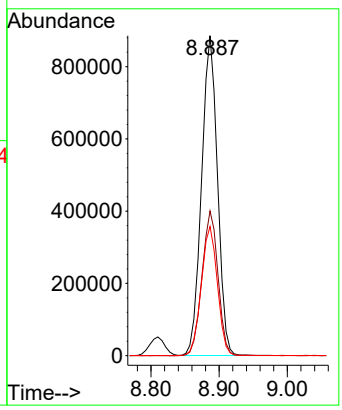


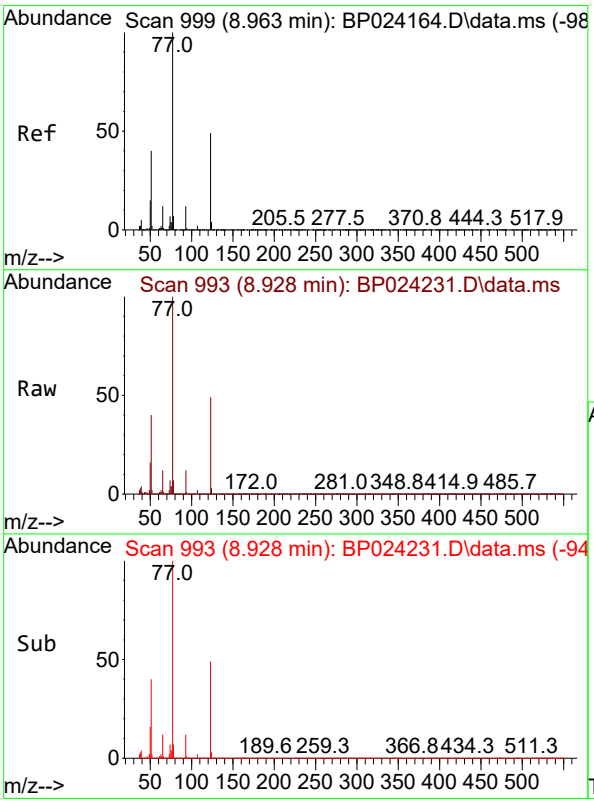

#23
Nitrobenzene-d5
Concen: 72.369 ng
RT: 8.887 min Scan# 9
Delta R.T. -0.036 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion: 82 Resp: 1435411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.2 | 37.4 | 56.0 |
| 54 | 40.4 | 32.5 | 48.7 |

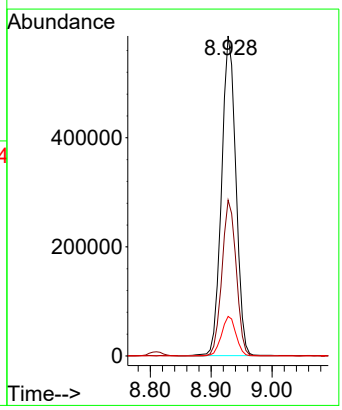


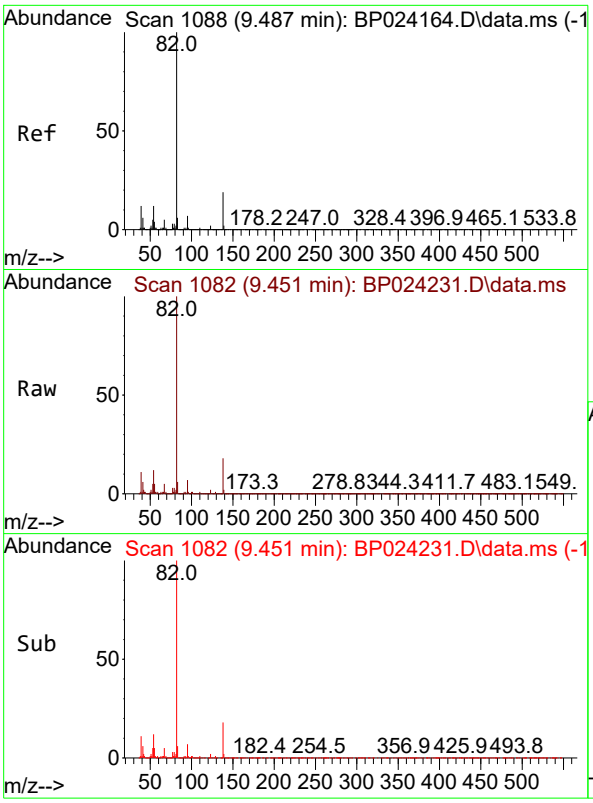




#24
Nitrobenzene
Concen: 48.968 ng
RT: 8.928 min Scan# 993
Delta R.T. -0.036 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion: 77 Resp: 958156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 48.7 | 39.4 | 59.2 |
| 65 | 12.4 | 9.9 | 14.9 |



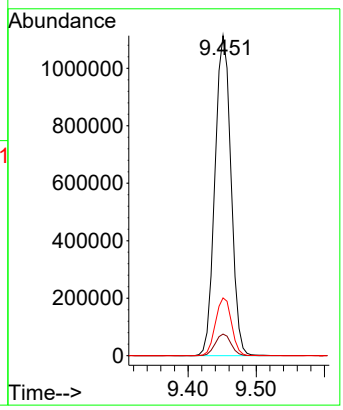


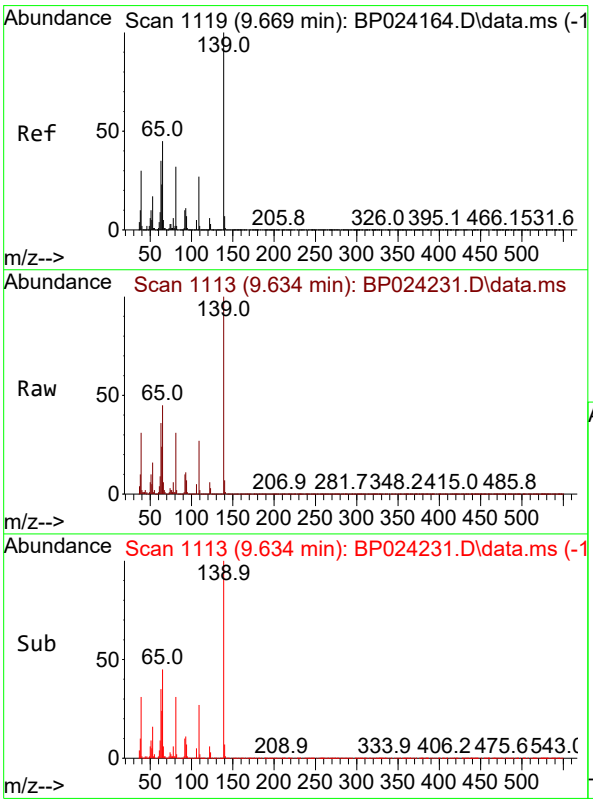

#25
Isophorone
Concen: 53.651 ng
RT: 9.451 min Scan# 1
Delta R.T. -0.036 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion: 82 Resp: 1824153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.7 | 5.3 | 7.9 |
| 138 | 18.0 | 14.8 | 22.2 |

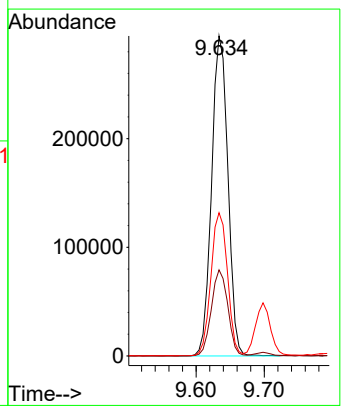


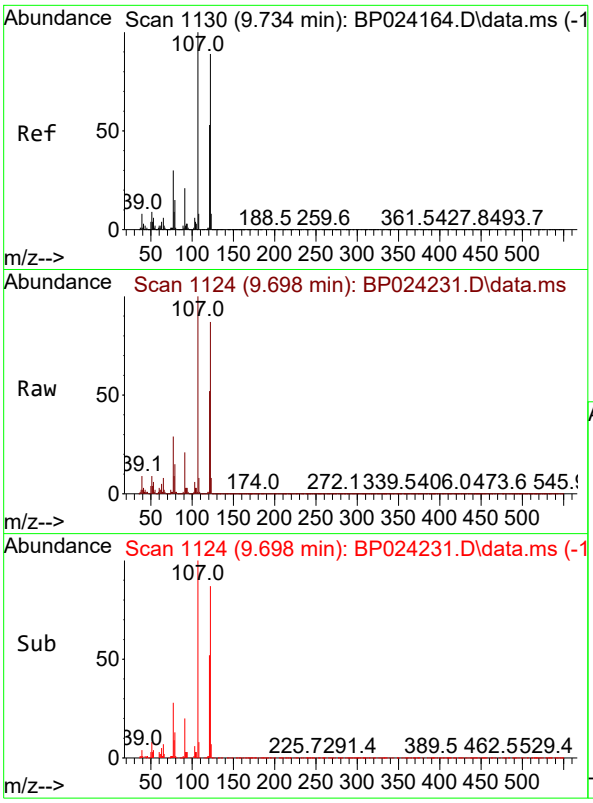




#26
2-Nitrophenol
Concen: 52.441 ng
RT: 9.634 min Scan# 1113
Delta R.T. -0.036 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:139 Resp: 490139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 26.9 | 21.7 | 32.5 |
| 65 | 44.8 | 35.8 | 53.8 |



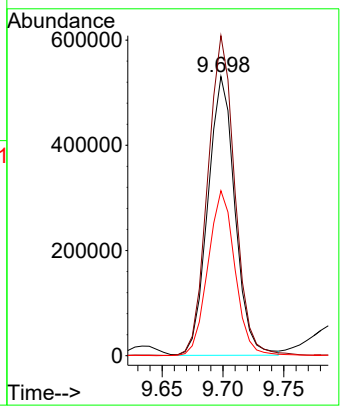


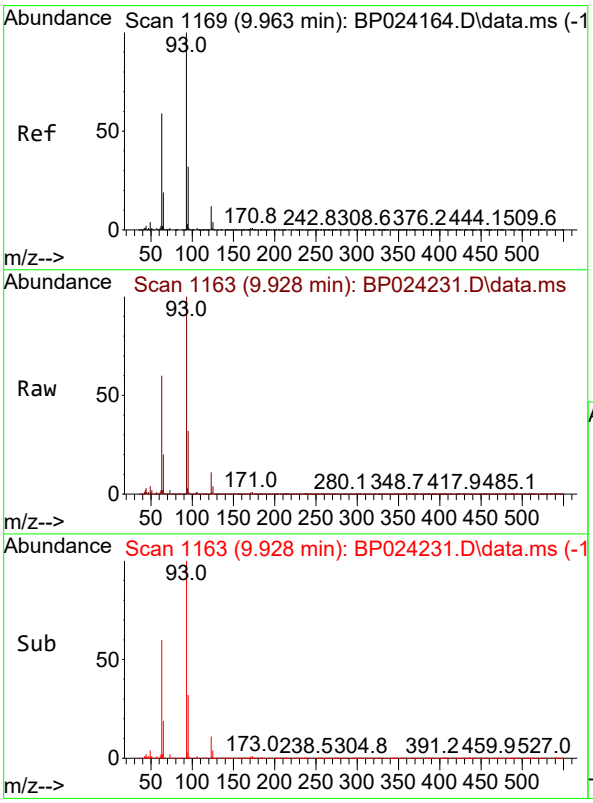

#27
2,4-Dimethylphenol
Concen: 68.254 ng
RT: 9.698 min Scan# 11
Delta R.T. -0.036 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:122 Resp: 820298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 114.6 | 89.3 | 133.9 |
| 121 | 59.1 | 47.5 | 71.3 |

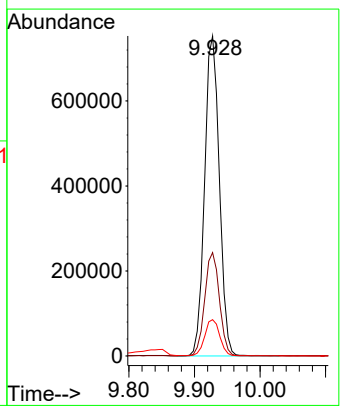


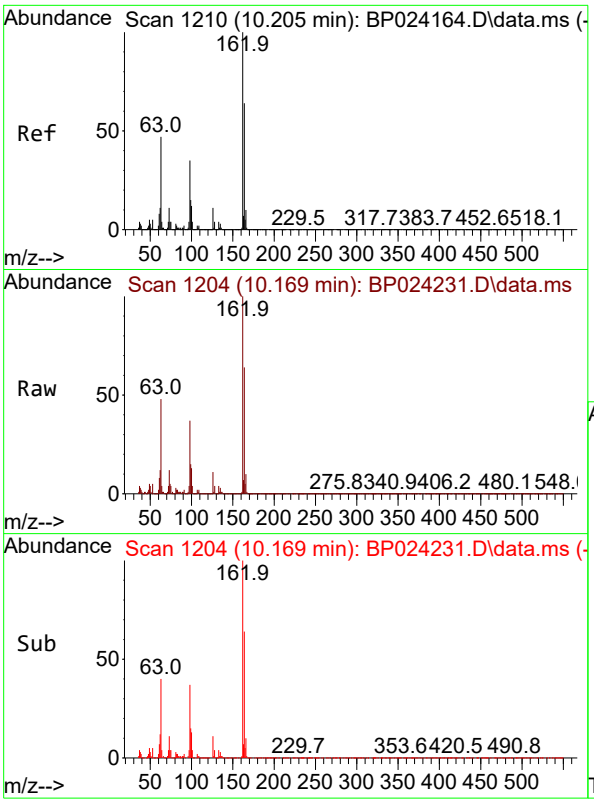




#28
bis(2-Chloroethoxy)methane
Concen: 49.111 ng
RT: 9.928 min Scan# 1163
Delta R.T. -0.036 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion: 93 Resp: 1174695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.3 | 25.9 | 38.9 |
| 123 | 11.4 | 9.5 | 14.3 |



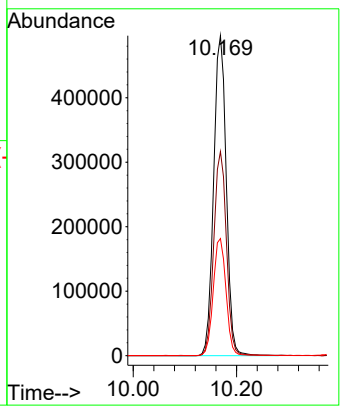


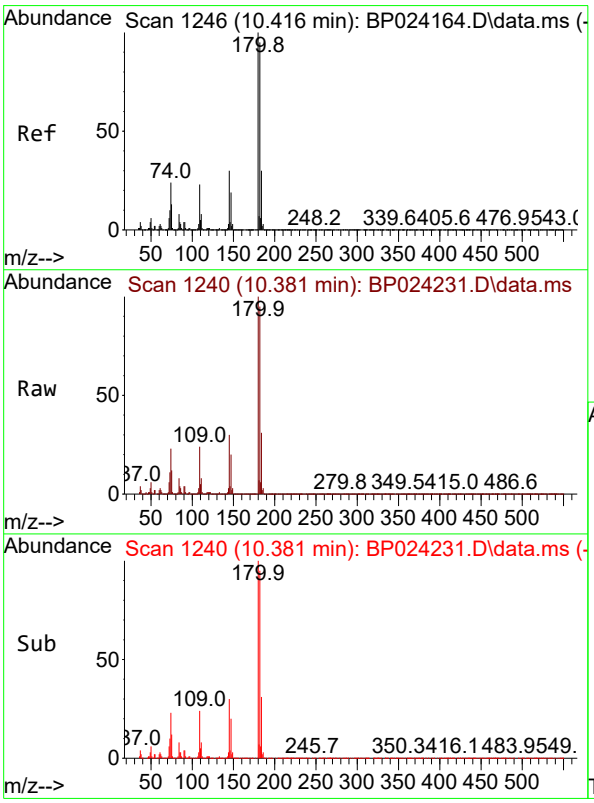

#29
2,4-Dichlorophenol
Concen: 51.723 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.036 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:162 Resp: 840904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.8 | 44.2 | 84.2 |
| 98 | 36.6 | 15.1 | 55.1 |

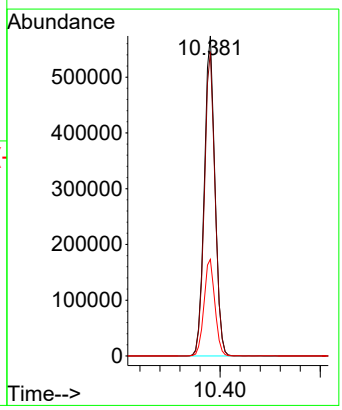


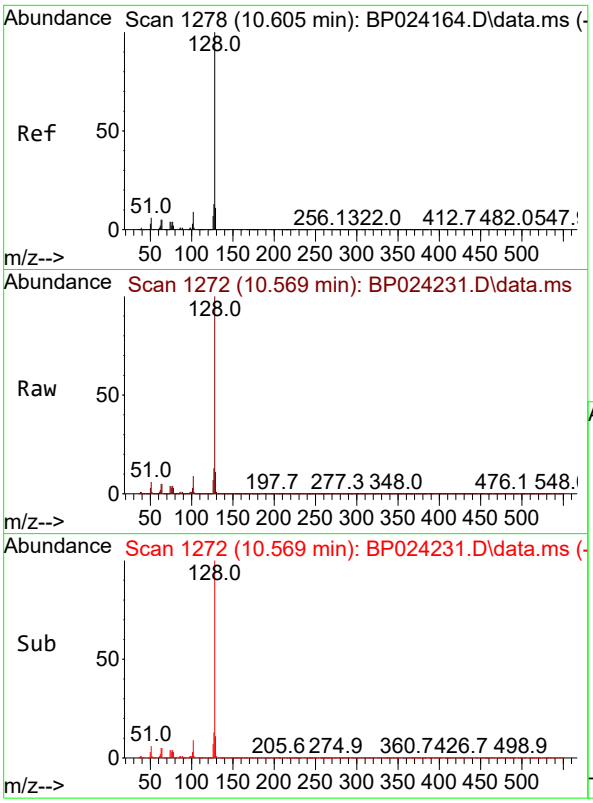




#30
1,2,4-Trichlorobenzene
Concen: 47.107 ng
RT: 10.381 min Scan# 1240
Delta R.T. -0.036 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:180 Resp: 846155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.0 | 76.1 | 114.1 |
| 145 | 30.2 | 24.2 | 36.2 |



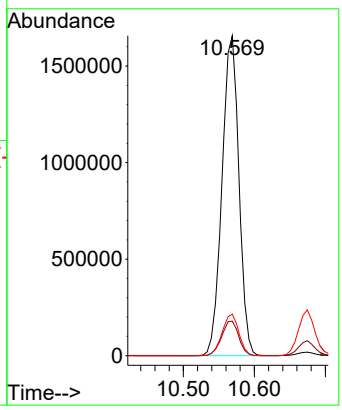


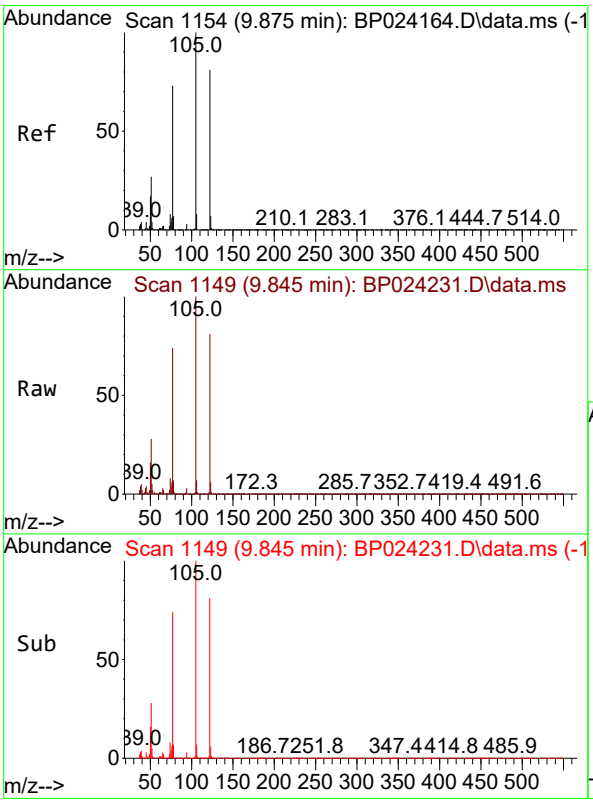

#31
Naphthalene
Concen: 46.030 ng
RT: 10.569 min Scan# 1
Delta R.T. -0.036 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:128 Resp: 2730588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.7 | 13.1 |
| 127 | 13.0 | 10.4 | 15.6 |

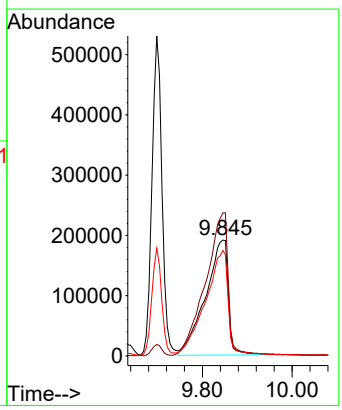


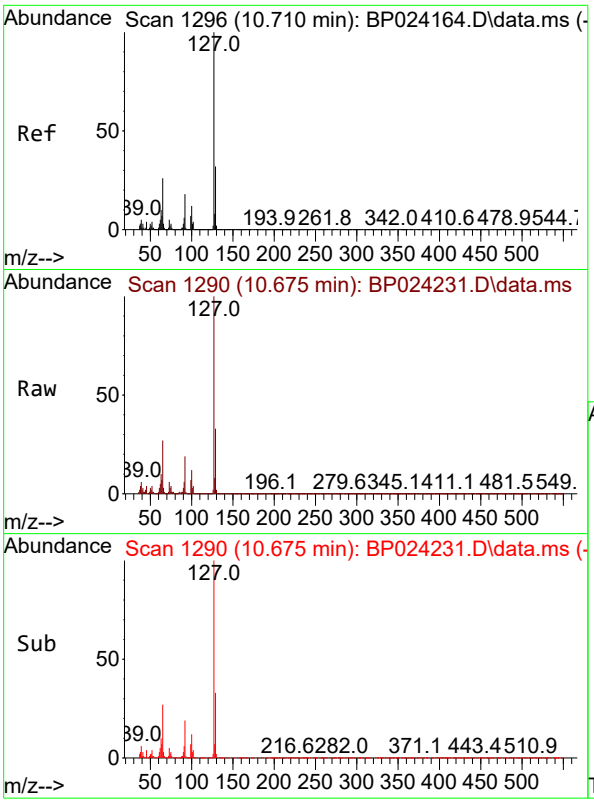




#32
Benzoic acid
Concen: 57.653 ng
RT: 9.845 min Scan# 1149
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:122 Resp: 675754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 123.4 | 100.3 | 140.3 |
| 77 | 91.1 | 69.1 | 109.1 |



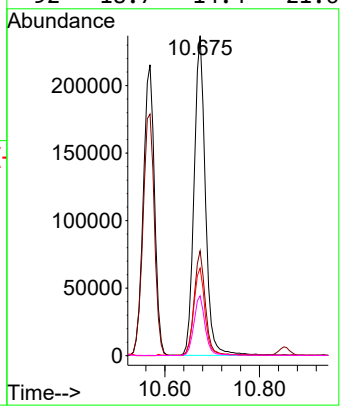


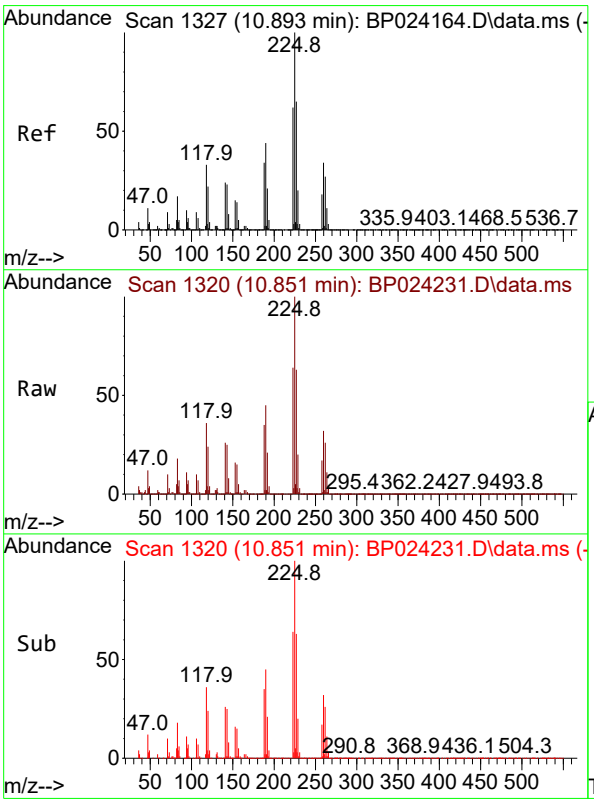

#33
4-Chloroaniline
Concen: 18.506 ng
RT: 10.675 min Scan# 1
Delta R.T. -0.036 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:127 Resp: 392859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.8 | 25.8 | 38.6 |
| 65 | 27.4 | 21.2 | 31.8 |
| 92 | 18.7 | 14.4 | 21.6 |

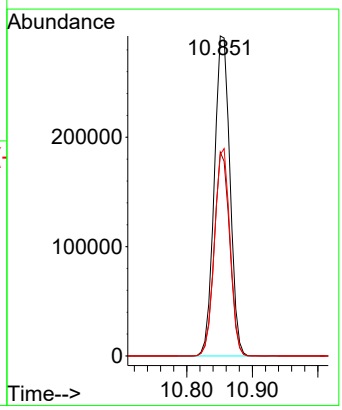


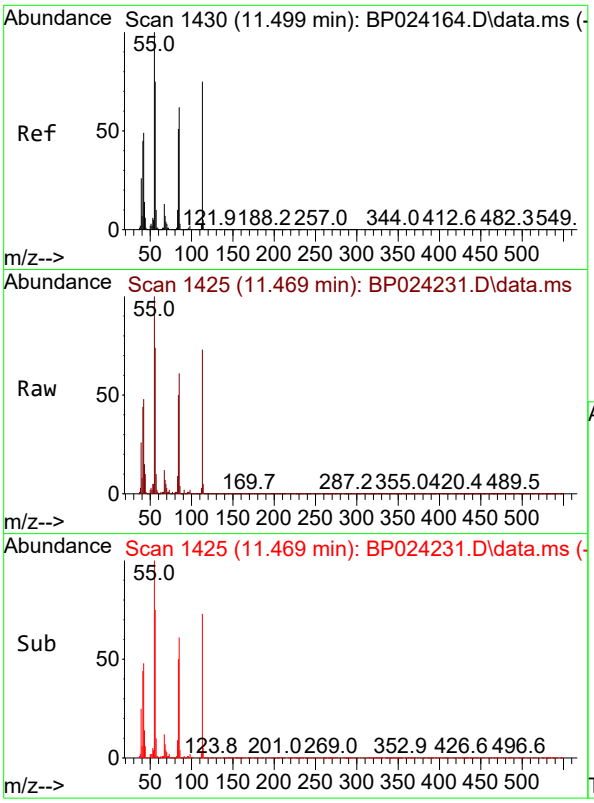




#34
Hexachlorobutadiene
Concen: 46.847 ng
RT: 10.851 min Scan# 1320
Delta R.T. -0.042 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:225 Resp: 484291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.7 | 49.9 | 74.9 |
| 227 | 63.0 | 52.2 | 78.2 |



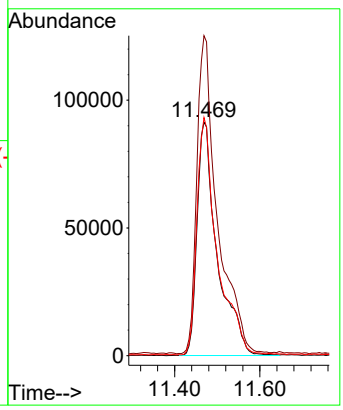


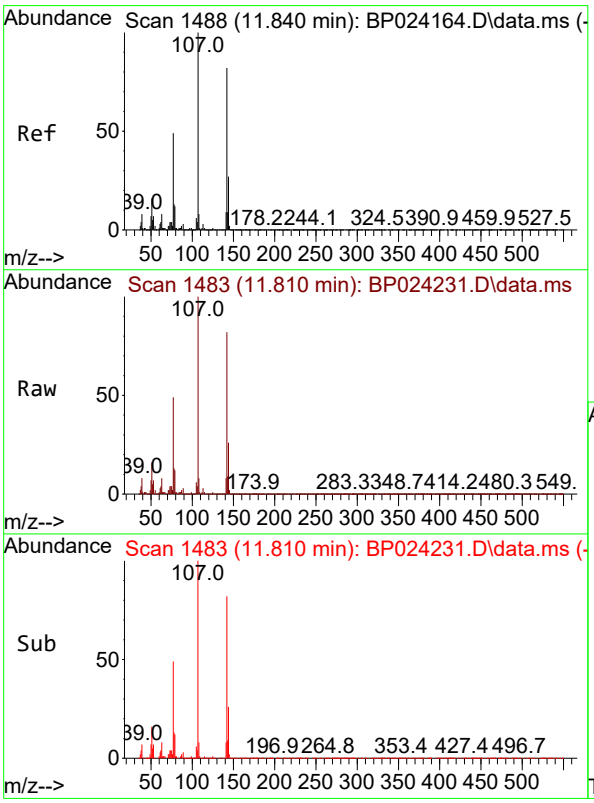

#35
Caprolactam
Concen: 56.686 ng
RT: 11.469 min Scan# 14
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:113 Resp: 302043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 137.1 | 113.6 | 153.6 |
| 56 | 102.0 | 80.0 | 120.0 |

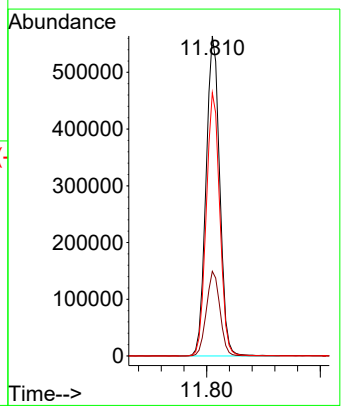


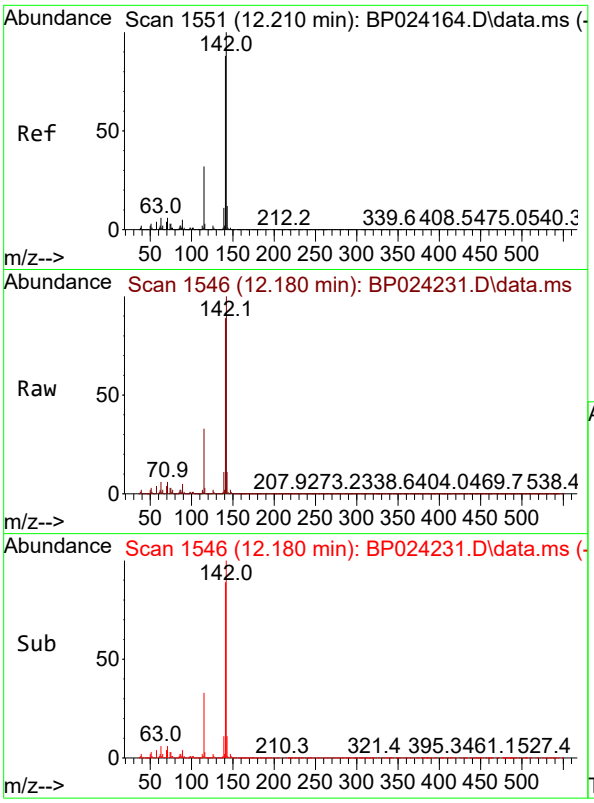




#36
4-Chloro-3-methylphenol
Concen: 53.448 ng
RT: 11.810 min Scan# 1483
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:107 Resp: 937414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.5 | 21.6 | 32.4 |
| 142 | 82.2 | 65.4 | 98.0 |



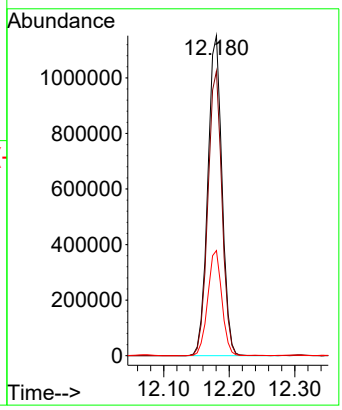


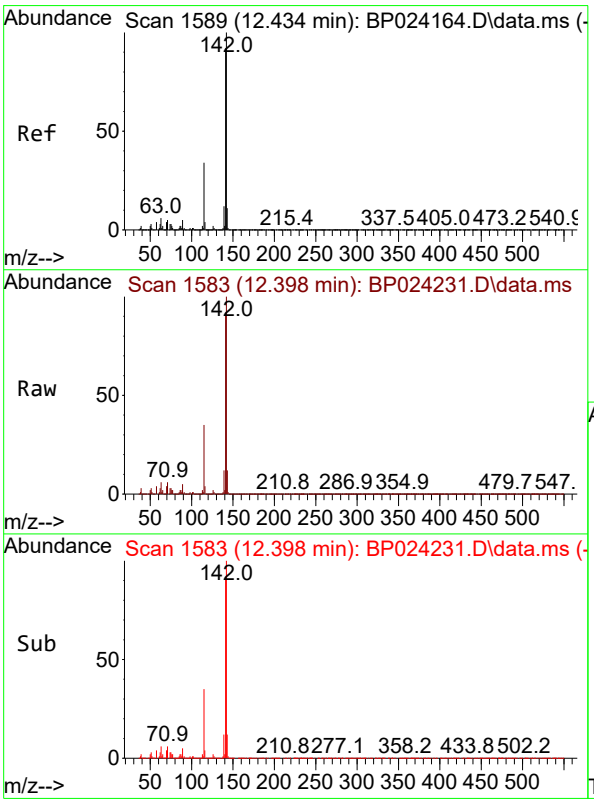

#37
2-Methylnaphthalene
Concen: 43.210 ng
RT: 12.180 min Scan# 1
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:142 Resp: 1731705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.9 | 70.3 | 105.5 |
| 115 | 32.9 | 26.0 | 39.0 |

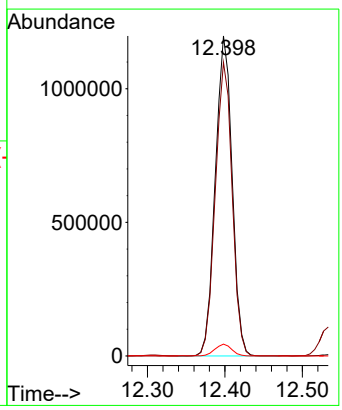


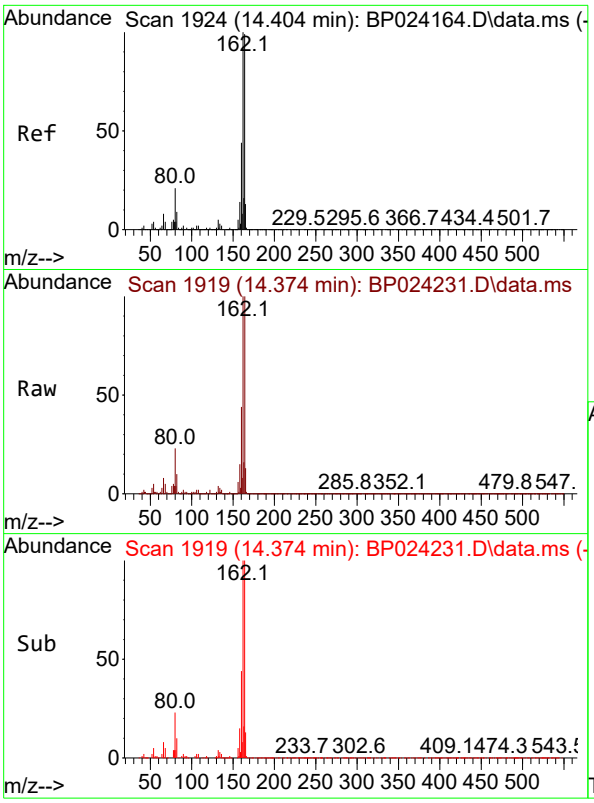




#38
1-Methylnaphthalene
Concen: 46.327 ng
RT: 12.398 min Scan# 1583
Delta R.T. -0.036 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:142 Resp: 1805790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.7 | 73.9 | 110.9 |
| 116 | 3.7 | 2.8 | 4.2 |



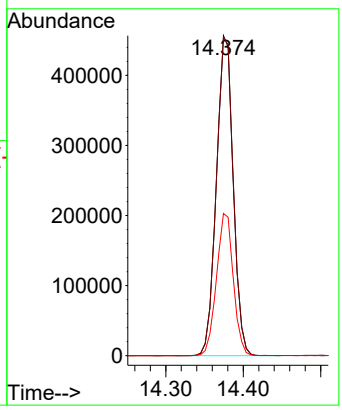


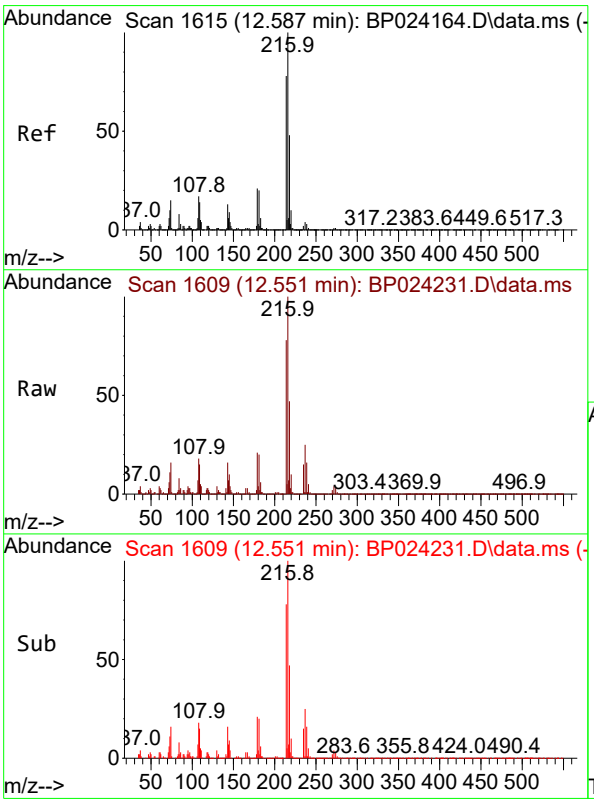

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.374 min Scan# 1
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:164 Resp: 687797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.5 | 80.6 | 121.0 |
| 160 | 44.5 | 35.4 | 53.2 |

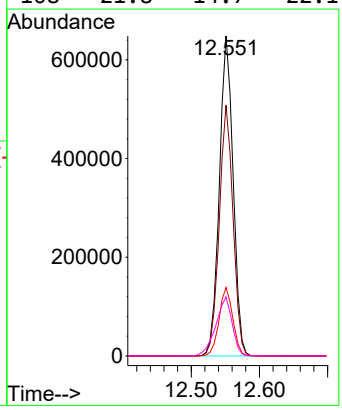


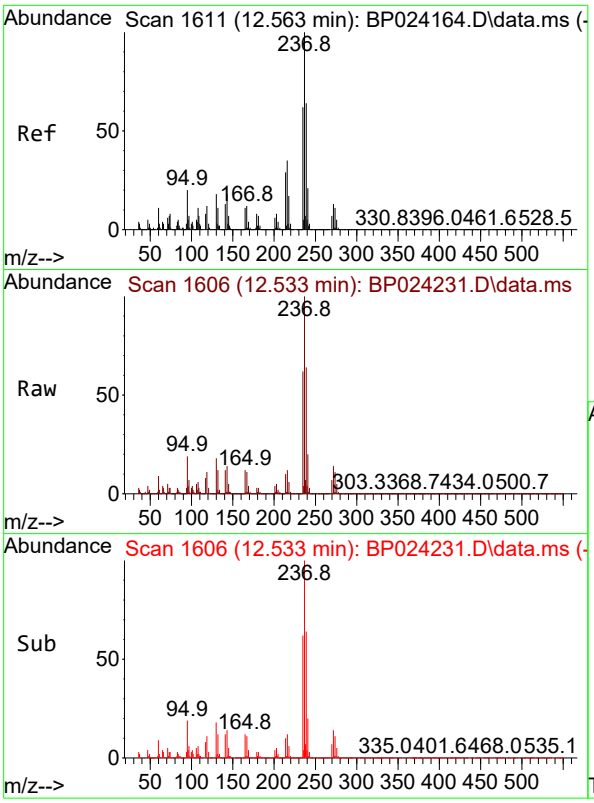




#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.862 ng
RT: 12.551 min Scan# 1609
Delta R.T. -0.036 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:216 Resp: 911843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.5 | 62.8 | 94.2 |
| 179 | 21.4 | 16.8 | 25.2 |
| 108 | 21.8 | 14.7 | 22.1 |



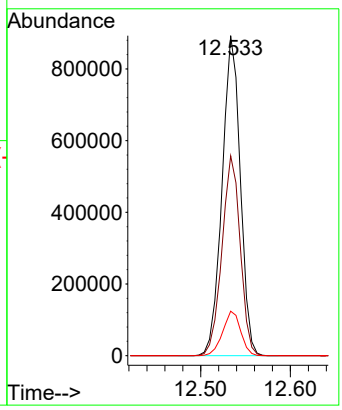


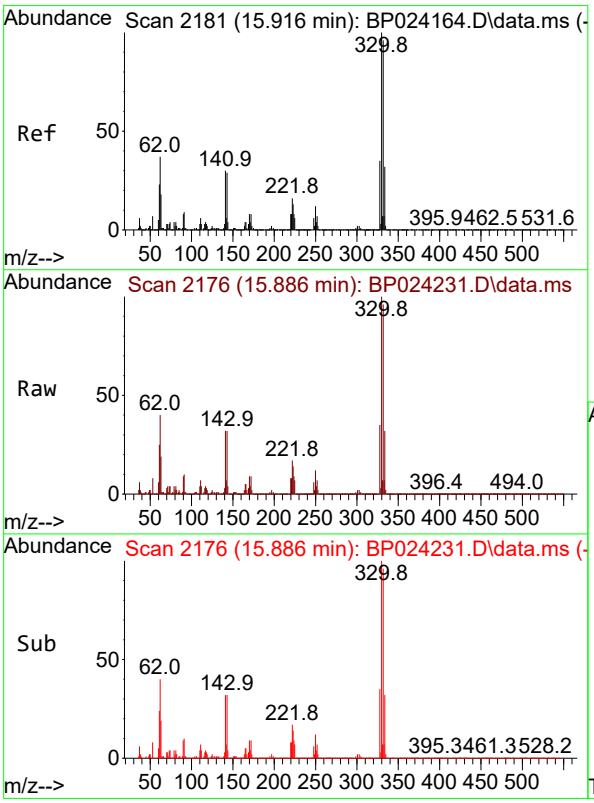

#41
Hexachlorocyclopentadiene
Concen: 175.238 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:237 Resp: 1255898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.4 | 41.8 | 81.8 |
| 272 | 13.9 | 0.0 | 33.5 |

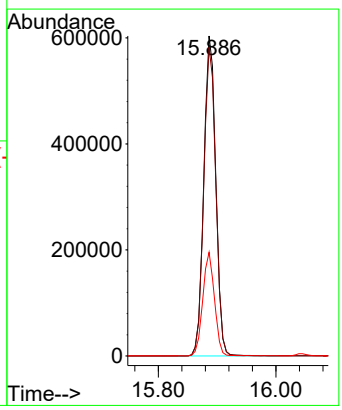


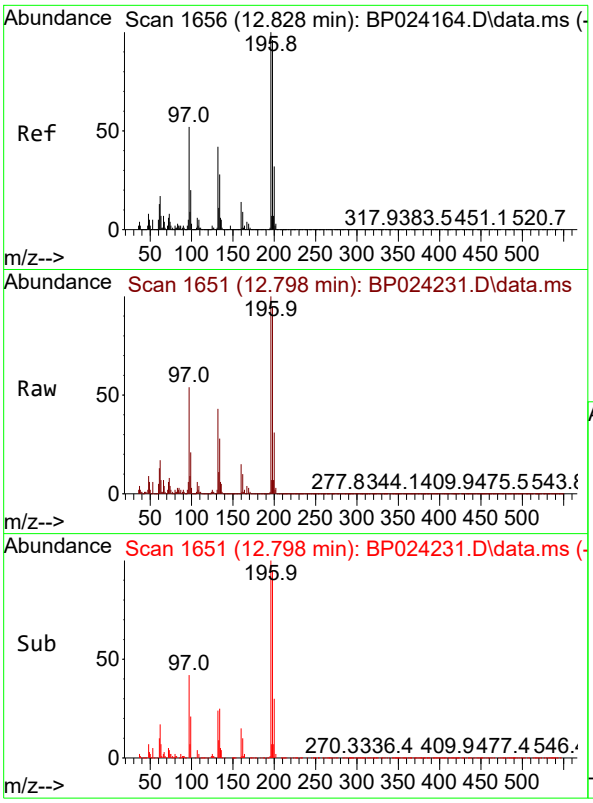




#42
2,4,6-Tribromophenol
Concen: 98.735 ng
RT: 15.886 min Scan# 2176
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:330 Resp: 855408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.9 | 77.6 | 116.4 |
| 141 | 31.6 | 25.0 | 37.6 |



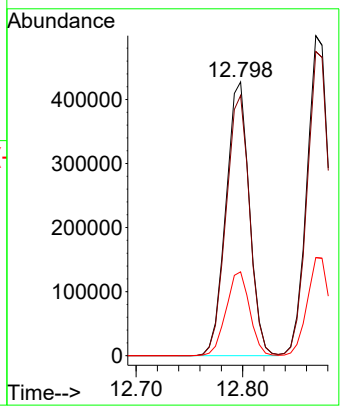


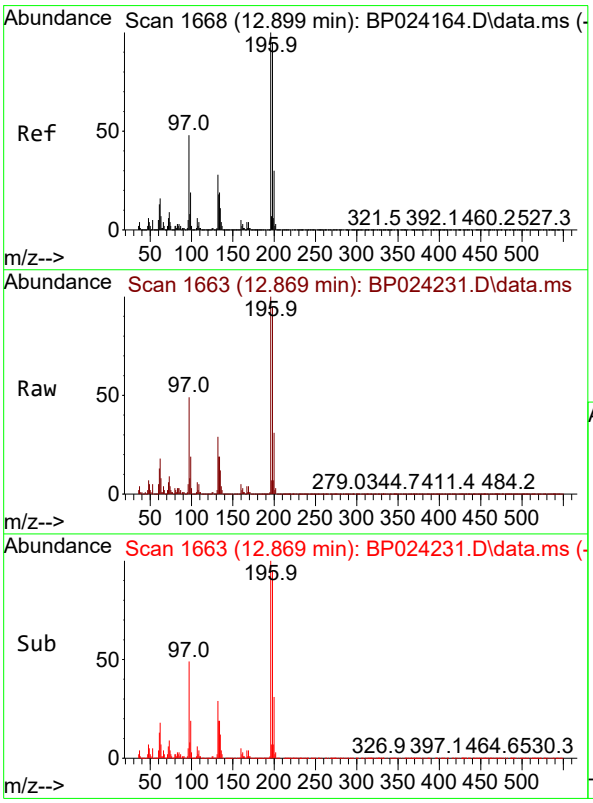

#43
2,4,6-Trichlorophenol
Concen: 51.757 ng
RT: 12.798 min Scan# 1
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:196 Resp: 653973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.0 | 76.6 | 115.0 |
| 200 | 30.6 | 25.4 | 38.0 |

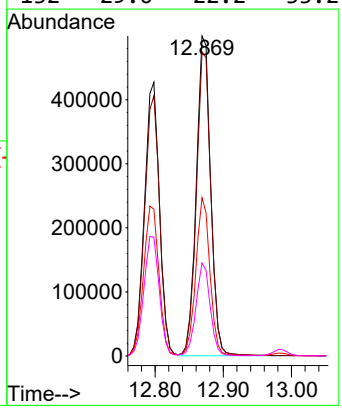


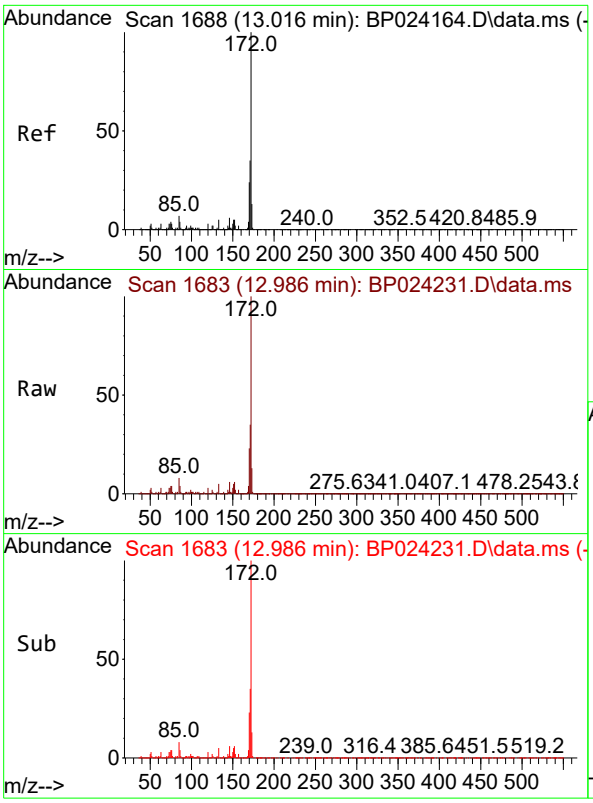




#44
2,4,5-Trichlorophenol
Concen: 52.830 ng
RT: 12.869 min Scan# 1663
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:196 Resp: 732067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.1 | 76.5 | 114.7 |
| 97 | 49.5 | 38.7 | 58.1 |
| 132 | 29.0 | 22.2 | 33.2 |



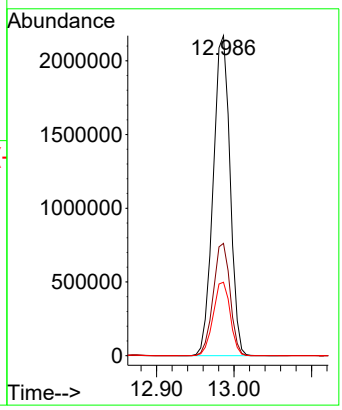


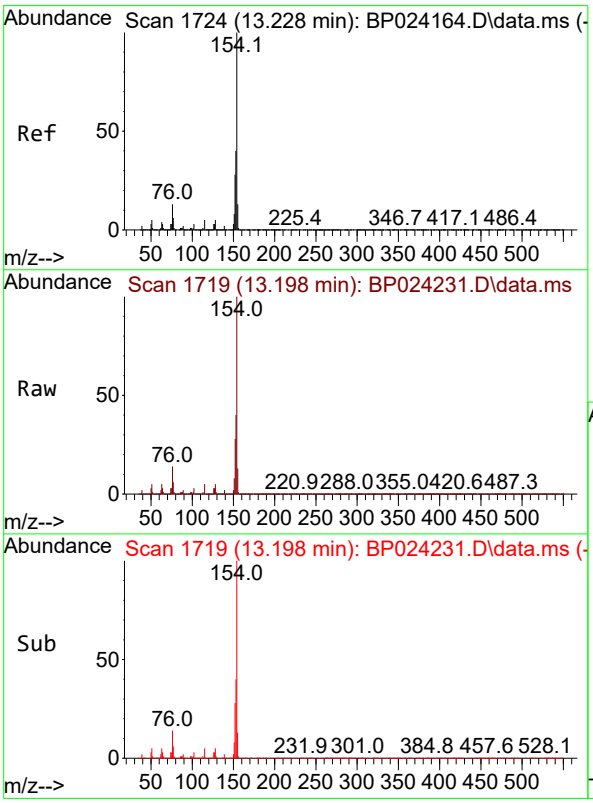

#45
2-Fluorobiphenyl
Concen: 70.324 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:172 Resp: 3280261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.1 | 28.3 | 42.5 |
| 170 | 23.0 | 19.0 | 28.4 |

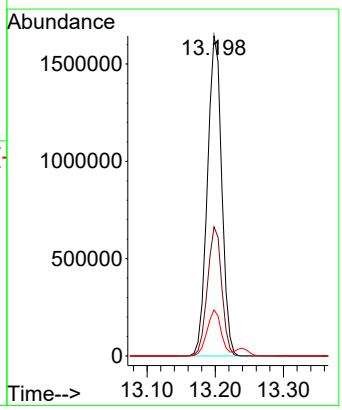


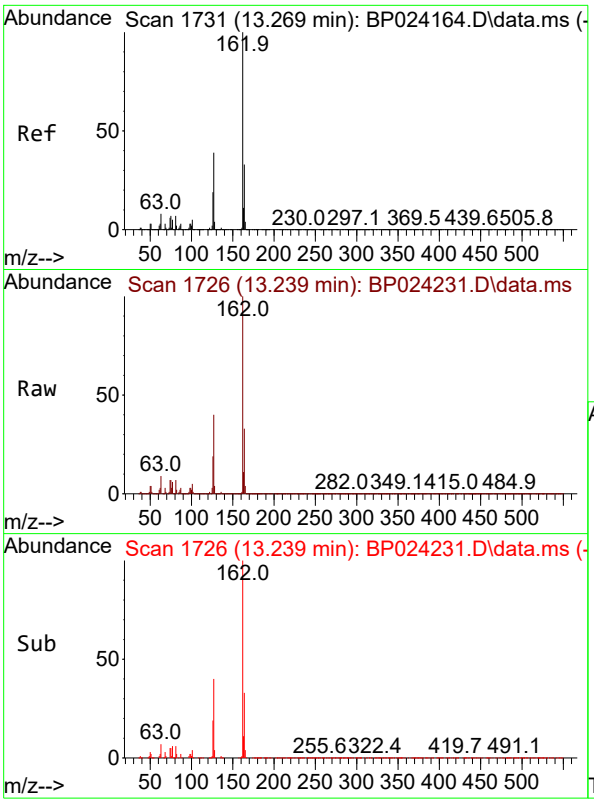




#46
1,1'-Biphenyl
Concen: 46.421 ng
RT: 13.198 min Scan# 1719
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:154 Resp: 2399237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.3 | 20.3 | 60.3 |
| 76 | 14.4 | 0.0 | 32.9 |



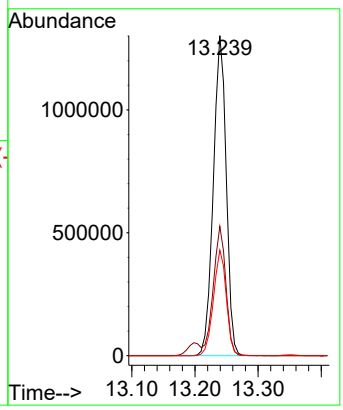


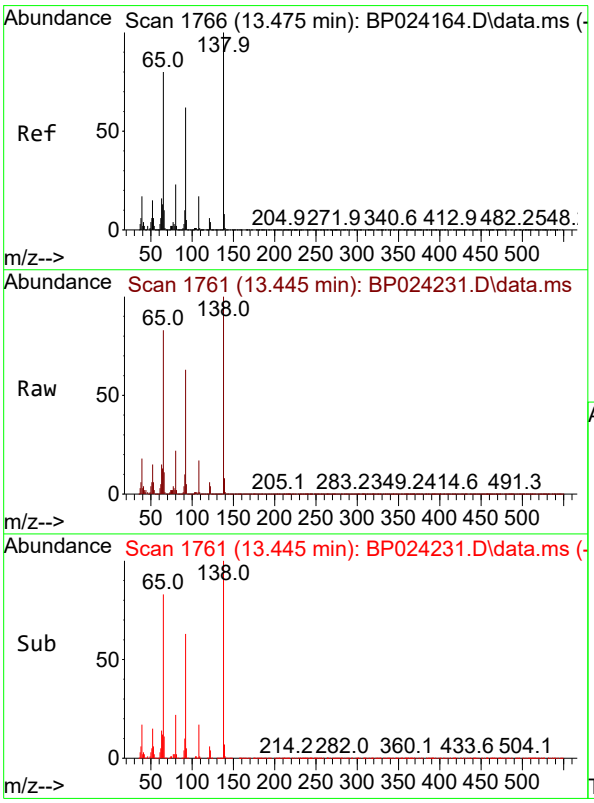

#47
2-Chloronaphthalene
Concen: 47.529 ng
RT: 13.239 min Scan# 1
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:162 Resp: 1847743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 40.4 | 31.5 | 47.3 |
| 164 | 33.0 | 26.6 | 39.8 |

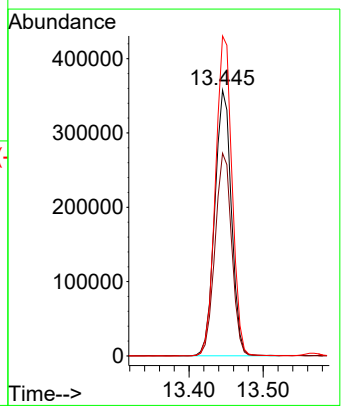


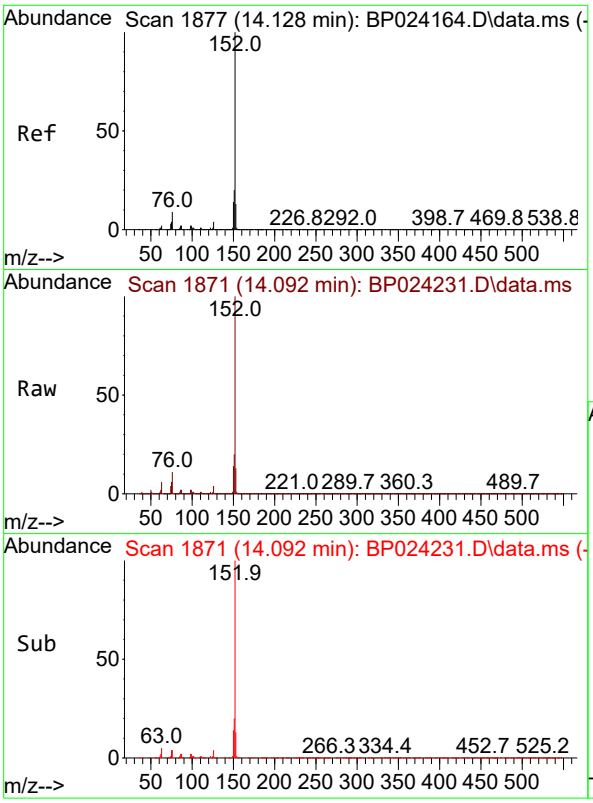




#48
2-Nitroaniline
Concen: 56.017 ng
RT: 13.445 min Scan# 1761
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion: 65 Resp: 556993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 76.3 | 62.1 | 93.1 |
| 138 | 120.4 | 99.5 | 149.3 |



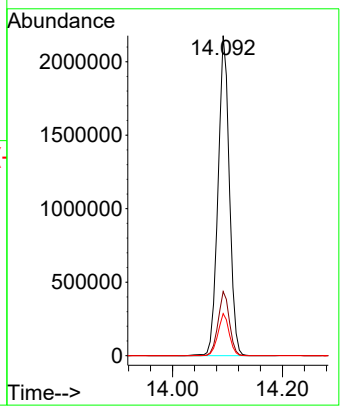


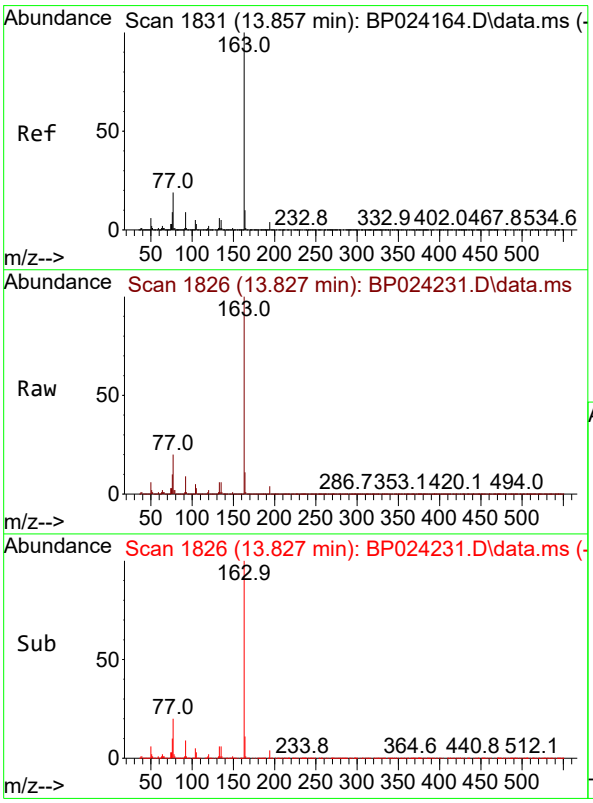

#49
Acenaphthylene
Concen: 52.765 ng
RT: 14.092 min Scan# 1
Delta R.T. -0.036 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:152 Resp: 3103808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.0 | 16.0 | 24.0 |
| 153 | 13.2 | 10.6 | 15.8 |

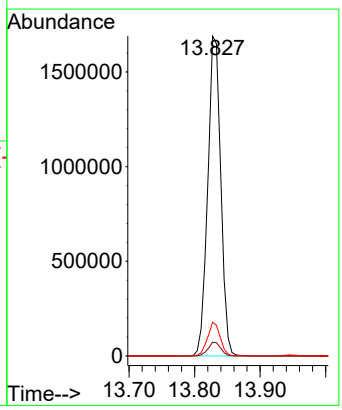


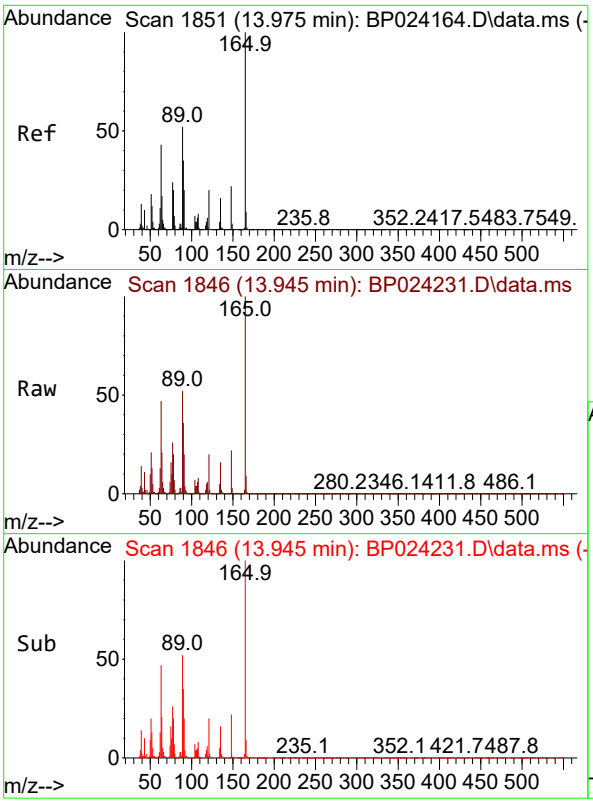




#50
Dimethylphthalate
Concen: 48.599 ng
RT: 13.827 min Scan# 1826
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:163 Resp: 2338909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.4 | 5.0 |
| 164 | 10.6 | 8.2 | 12.4 |



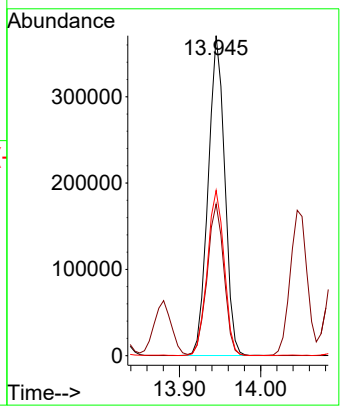


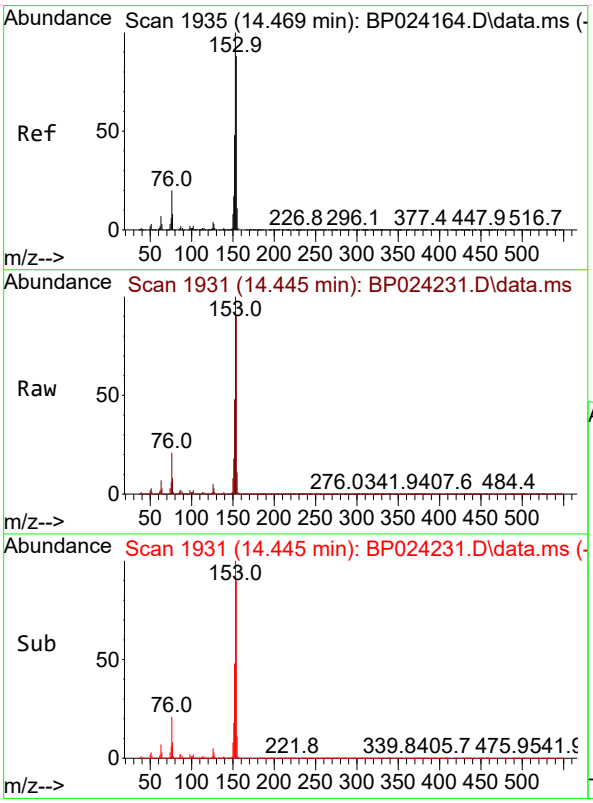

#51
2,6-Dinitrotoluene
Concen: 51.864 ng
RT: 13.945 min Scan# 1
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:165 Resp: 525176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 47.4 | 37.7 | 56.5 |
| 89 | 51.6 | 41.9 | 62.9 |

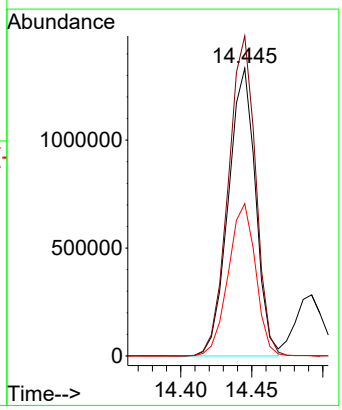


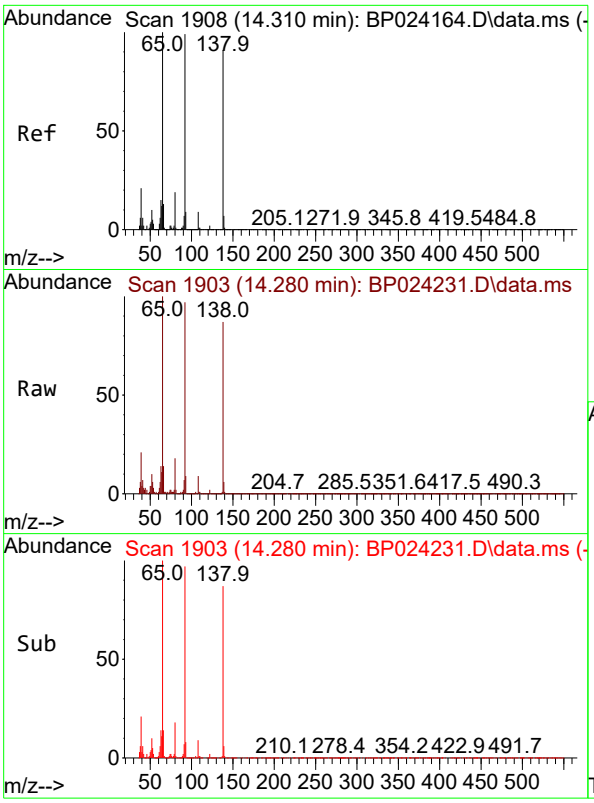




#52
Acenaphthene
Concen: 47.265 ng
RT: 14.445 min Scan# 1931
Delta R.T. -0.024 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:154 Resp: 1776413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.3 | 90.5 | 135.7 |
| 152 | 52.9 | 43.1 | 64.7 |



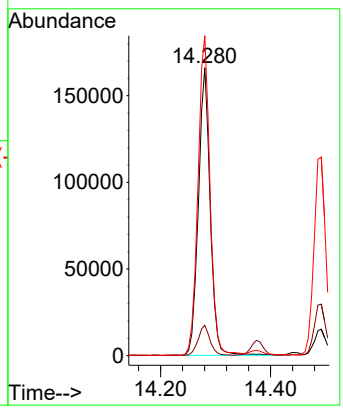


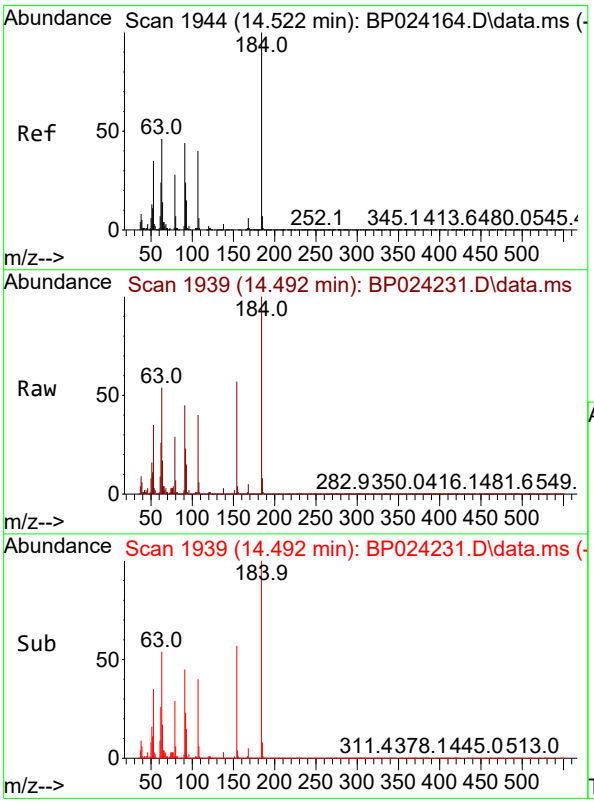

#53
3-Nitroaniline
Concen: 22.670 ng
RT: 14.280 min Scan# 1
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:138 Resp: 247933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.6 | 8.2 | 12.2 |
| 92 | 111.1 | 86.7 | 130.1 |

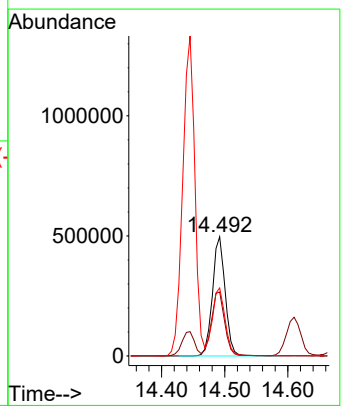


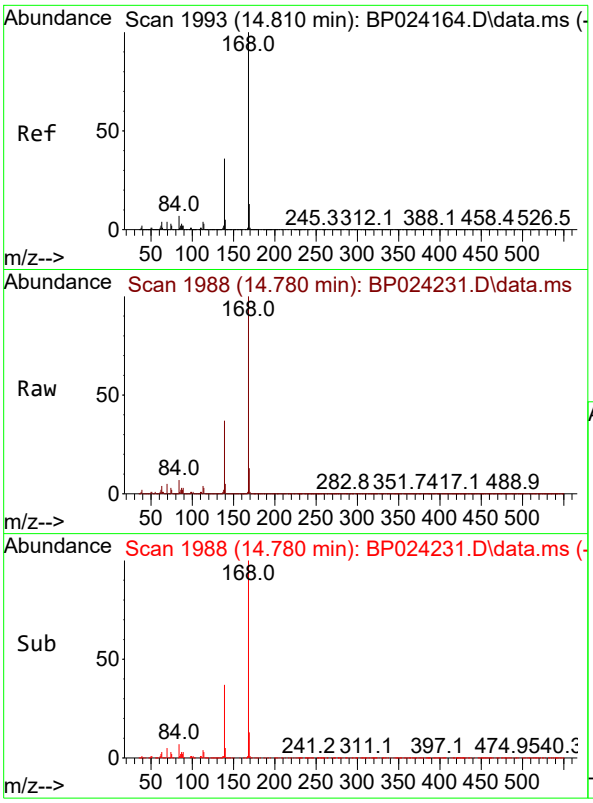




#54
2,4-Dinitrophenol
Concen: 129.477 ng
RT: 14.492 min Scan# 1939
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:184 Resp: 693735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 53.7 | 42.1 | 63.1 |
| 154 | 57.0 | 44.6 | 67.0 |



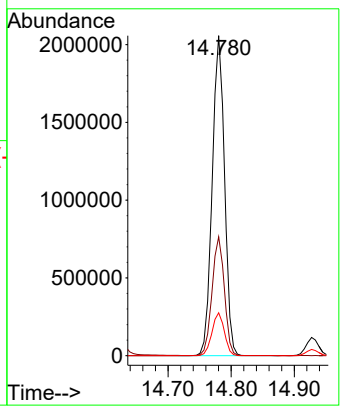


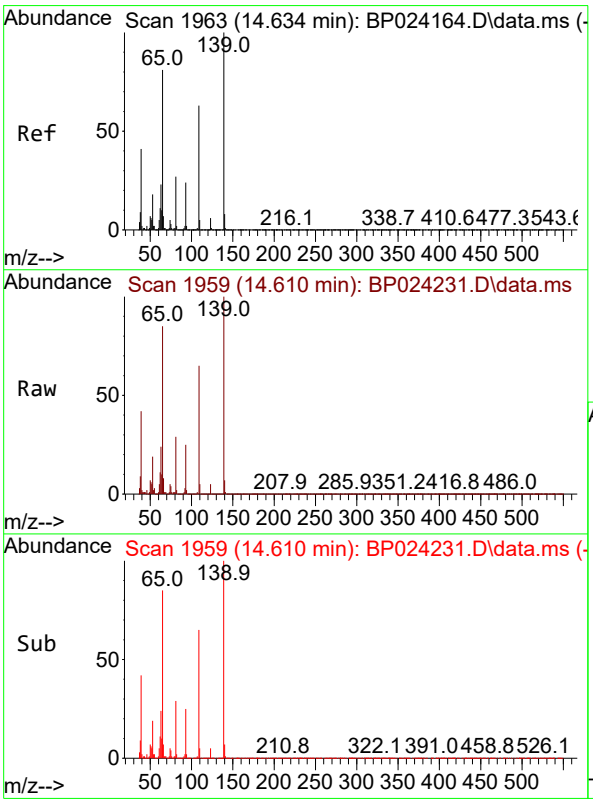

#55
Dibenzofuran
Concen: 45.685 ng
RT: 14.780 min Scan# 1
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:168 Resp: 2781282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.1 | 29.1 | 43.7 |
| 169 | 13.4 | 10.8 | 16.2 |

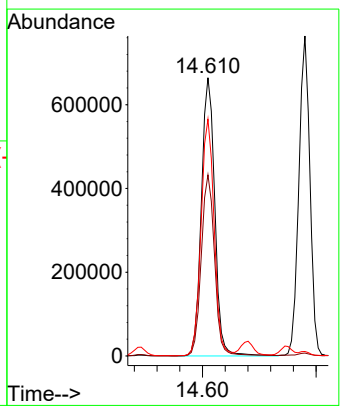


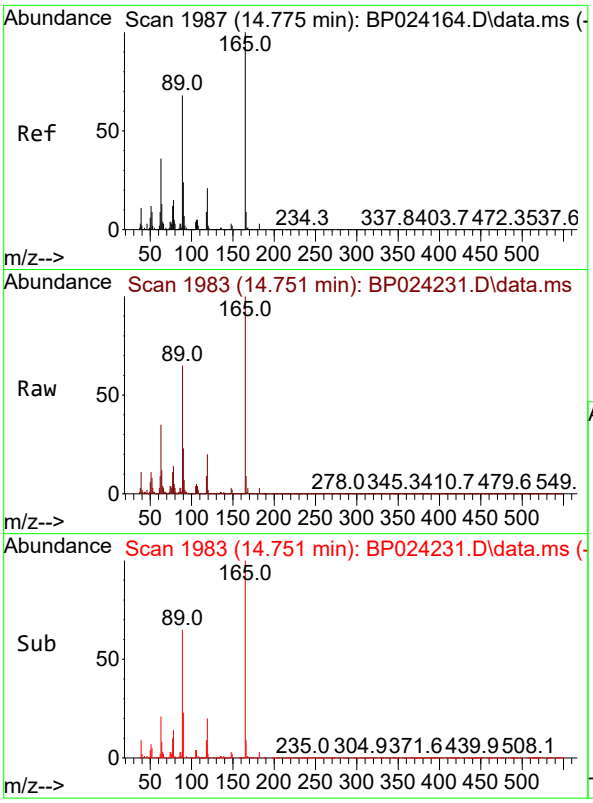




#56
4-Nitrophenol
Concen: 118.918 ng
RT: 14.610 min Scan# 1959
Delta R.T. -0.024 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:139 Resp: 1086728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 65.1 | 43.3 | 83.3 |
| 65 | 85.1 | 61.2 | 101.2 |



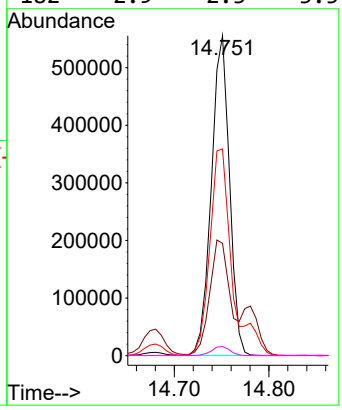


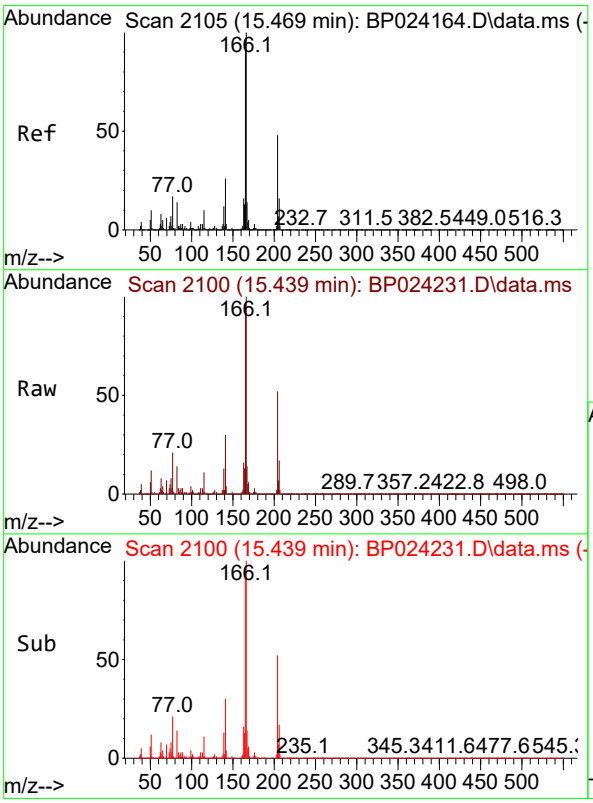

#57
2,4-Dinitrotoluene
Concen: 55.063 ng
RT: 14.751 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:165 Resp: 736493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 35.1 | 29.0 | 43.6 |
| 89 | 64.6 | 54.2 | 81.4 |
| 182 | 2.9 | 2.3 | 3.5 |

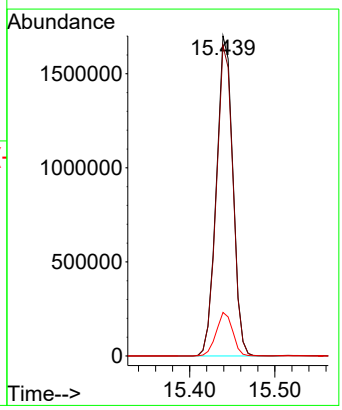


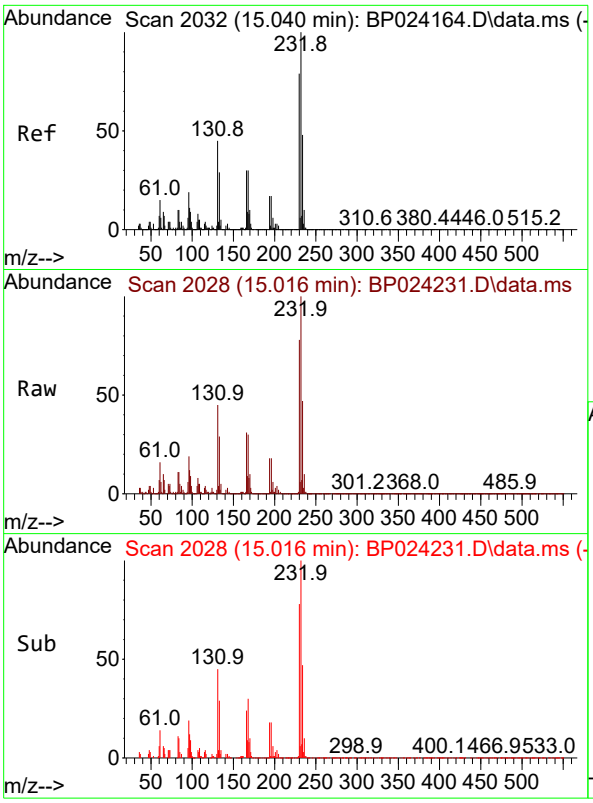




#58
Fluorene
Concen: 48.218 ng
RT: 15.439 min Scan# 2100
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:166 Resp: 2287142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.0 | 77.6 | 116.4 |
| 167 | 13.6 | 10.8 | 16.2 |



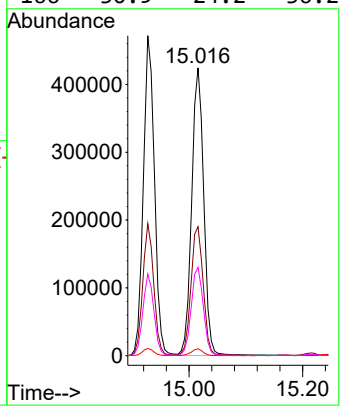


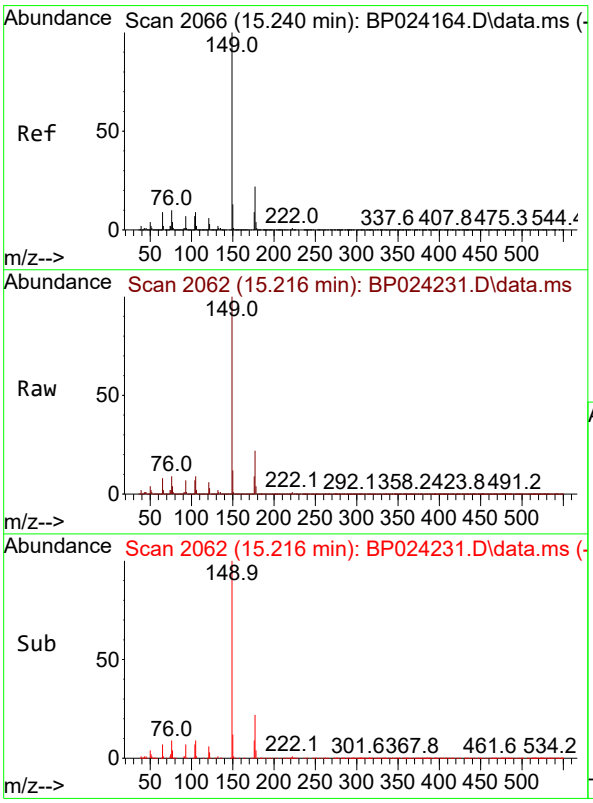

#59
2,3,4,6-Tetrachlorophenol
Concen: 51.218 ng
RT: 15.016 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:232 Resp: 627051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.2 | 35.9 | 53.9 |
| 130 | 2.4 | 1.8 | 2.6 |
| 166 | 30.9 | 24.2 | 36.2 |

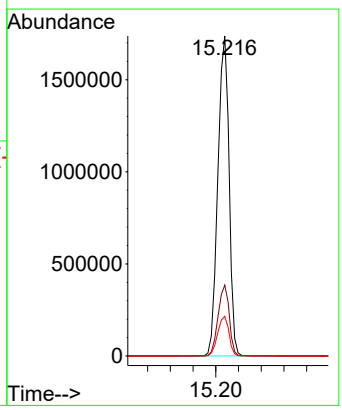


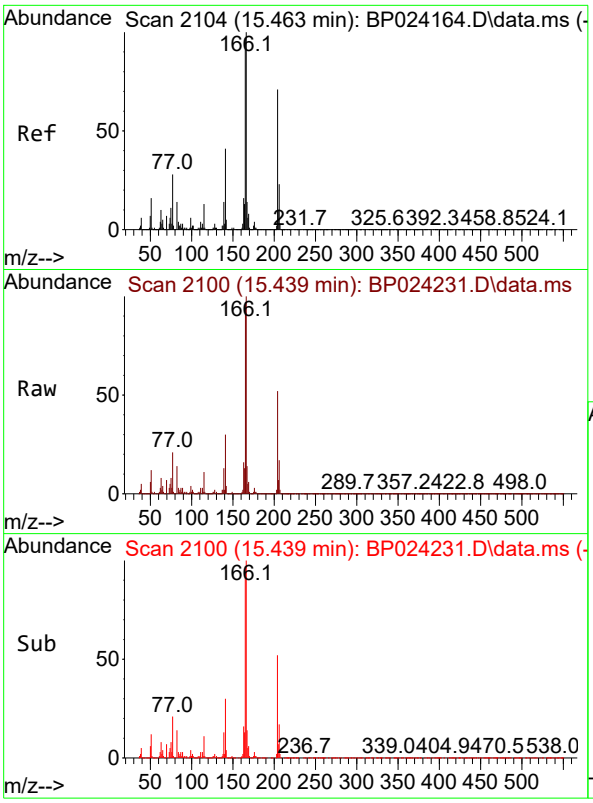




#60
Diethylphthalate
Concen: 49.558 ng
RT: 15.216 min Scan# 2062
Delta R.T. -0.024 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:149 Resp: 2375103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.2 | 17.7 | 26.5 |
| 150 | 12.4 | 10.2 | 15.4 |



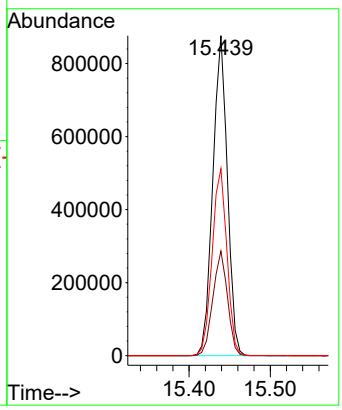


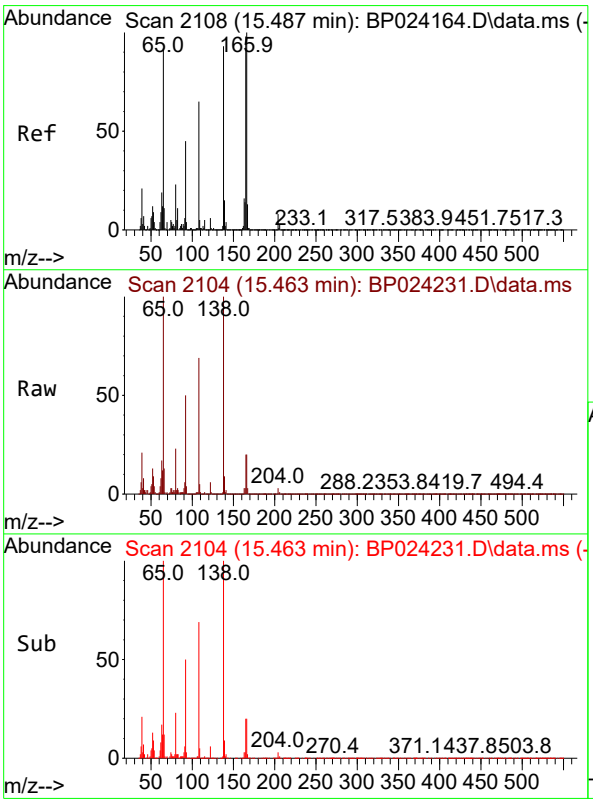

#61
4-Chlorophenyl-phenylether
Concen: 46.911 ng
RT: 15.439 min Scan# 21
Delta R.T. -0.024 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:204 Resp: 1091368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.7 | 26.4 | 39.6 |
| 141 | 58.4 | 45.8 | 68.8 |

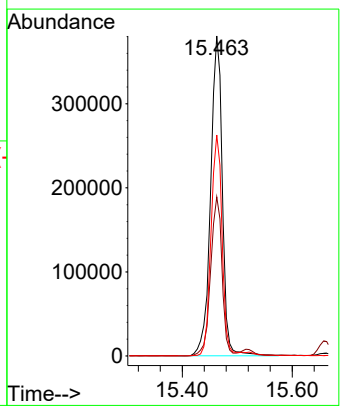


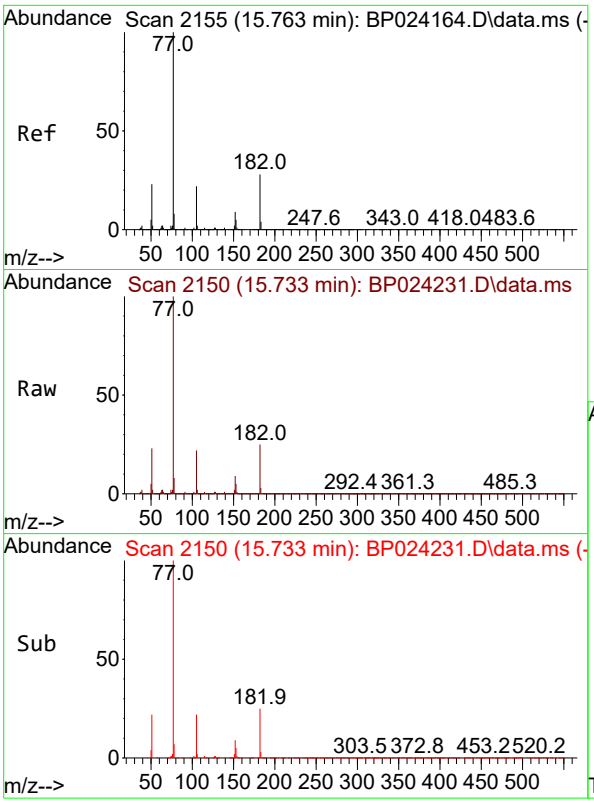




#62
4-Nitroaniline
Concen: 49.359 ng
RT: 15.463 min Scan# 2104
Delta R.T. -0.024 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:138 Resp: 566183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.7 | 28.7 | 68.7 |
| 108 | 69.0 | 49.5 | 89.5 |



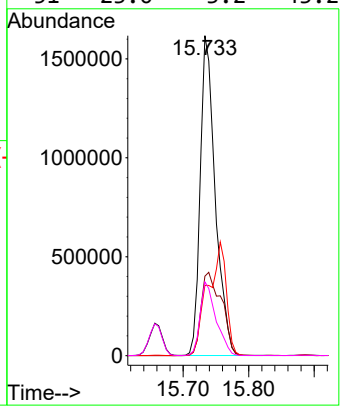


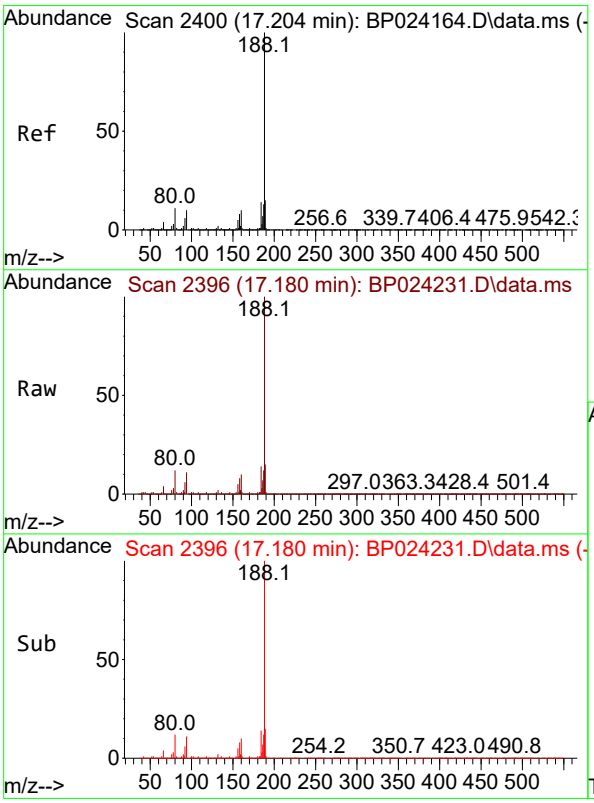

#63
Azobenzene
Concen: 57.354 ng
RT: 15.733 min Scan# 21
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion: 77 Resp: 2590747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 24.9 | 7.7 | 47.7 |
| 105 | 22.0 | 2.3 | 42.3 |
| 51 | 23.0 | 3.2 | 43.2 |

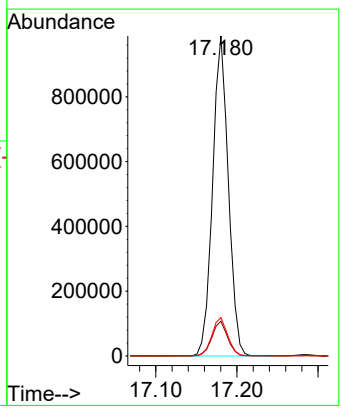


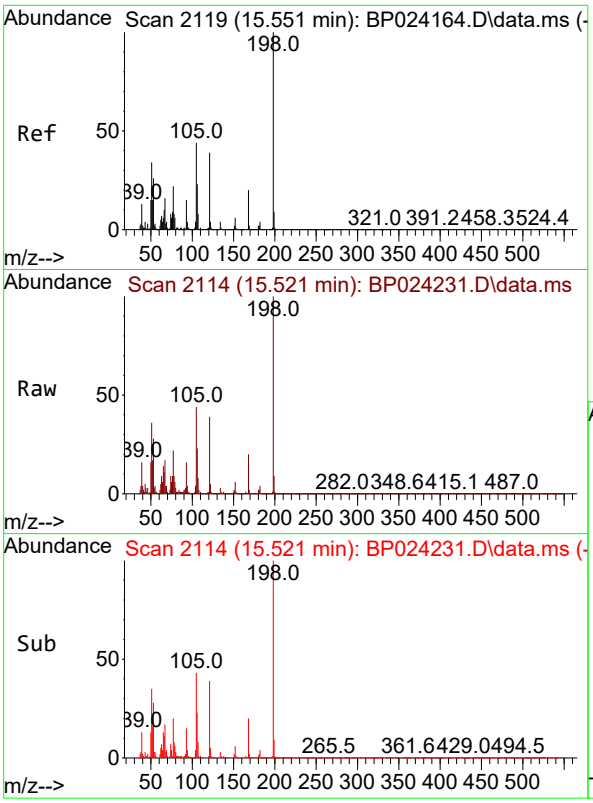




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.180 min Scan# 2396
Delta R.T. -0.024 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:188 Resp: 1328842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.8 | 8.1 | 12.1 |
| 80 | 12.0 | 8.9 | 13.3 |



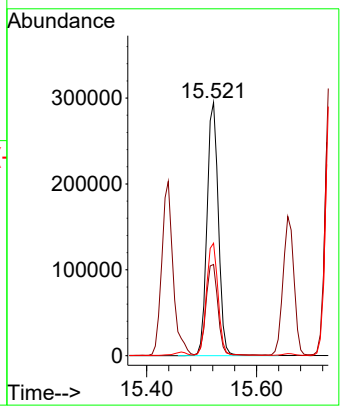


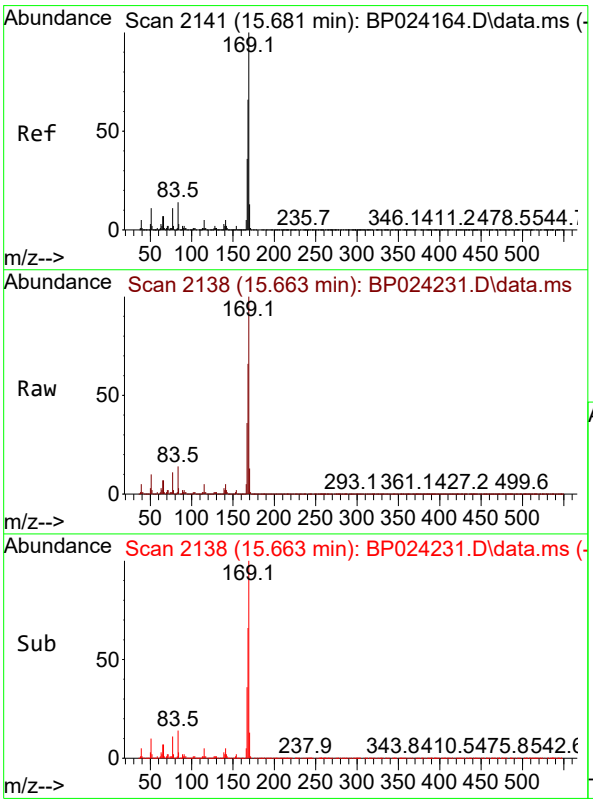

#65
4,6-Dinitro-2-methylphenol
Concen: 53.333 ng
RT: 15.521 min Scan# 21
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:198 Resp: 420734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 36.0 | 14.7 | 54.7 |
| 105 | 44.4 | 23.8 | 63.8 |

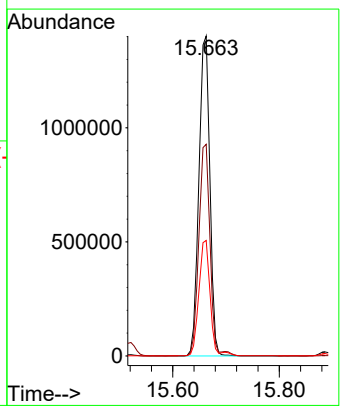


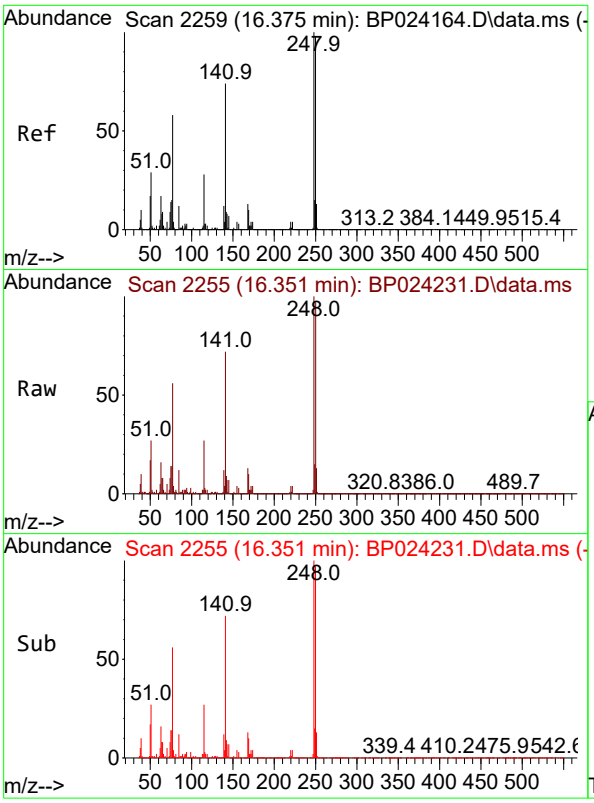




#66
n-Nitrosodiphenylamine
Concen: 49.438 ng
RT: 15.663 min Scan# 2138
Delta R.T. -0.018 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:169 Resp: 1994927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.2 | 52.9 | 79.3 |
| 167 | 36.1 | 28.8 | 43.2 |



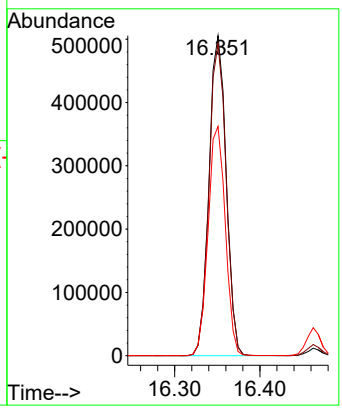


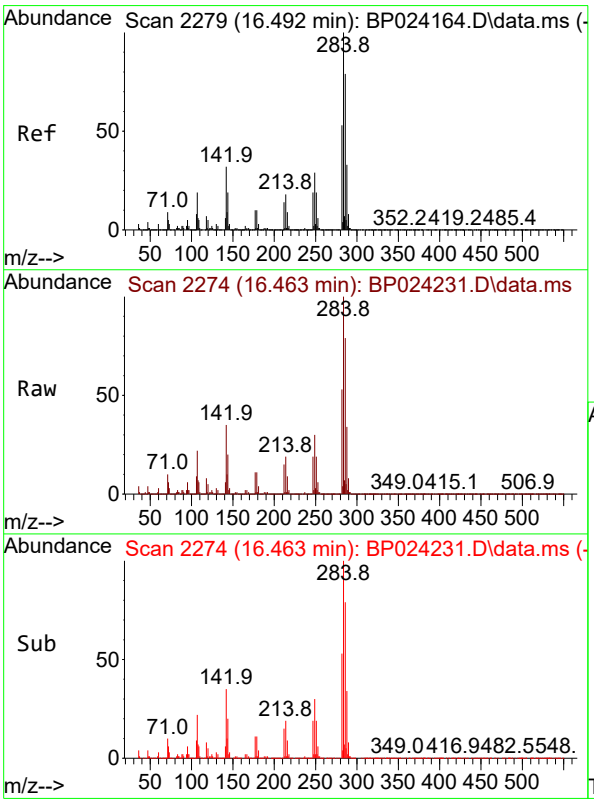

#67
4-Bromophenyl-phenylether
Concen: 48.702 ng
RT: 16.351 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:248 Resp: 710539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.4 | 78.4 | 117.6 |
| 141 | 71.6 | 59.4 | 89.0 |

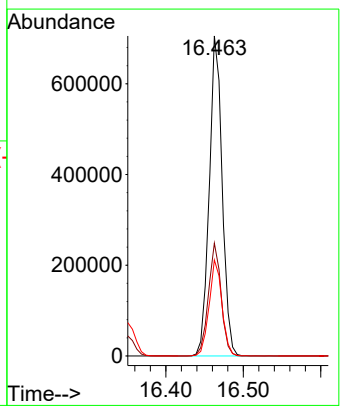


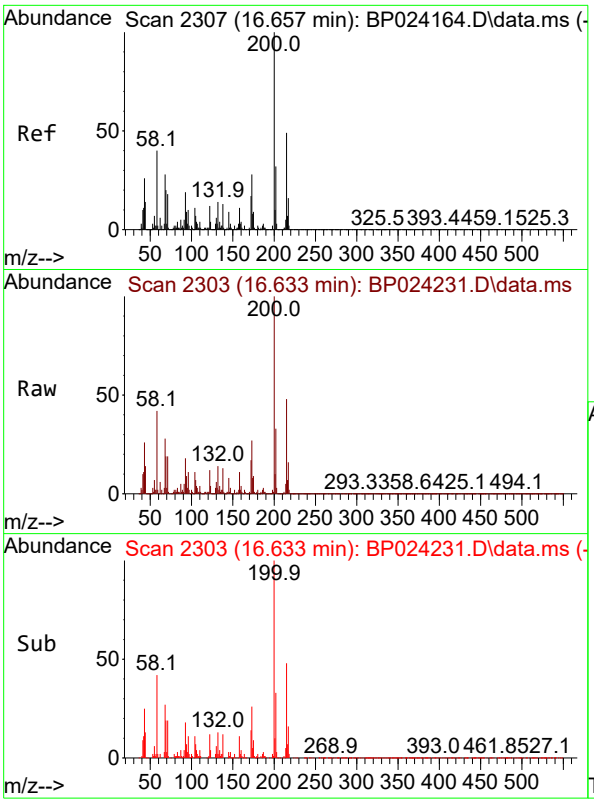




#68
Hexachlorobenzene
Concen: 47.309 ng
RT: 16.463 min Scan# 2274
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:284 Resp: 816929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 35.3 | 25.4 | 38.2 |
| 249 | 30.0 | 23.5 | 35.3 |



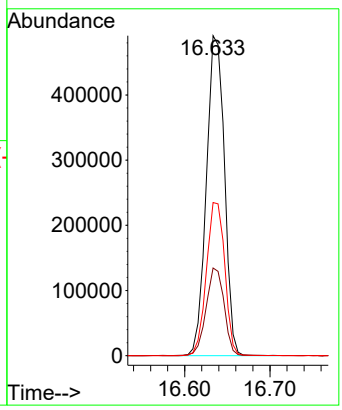


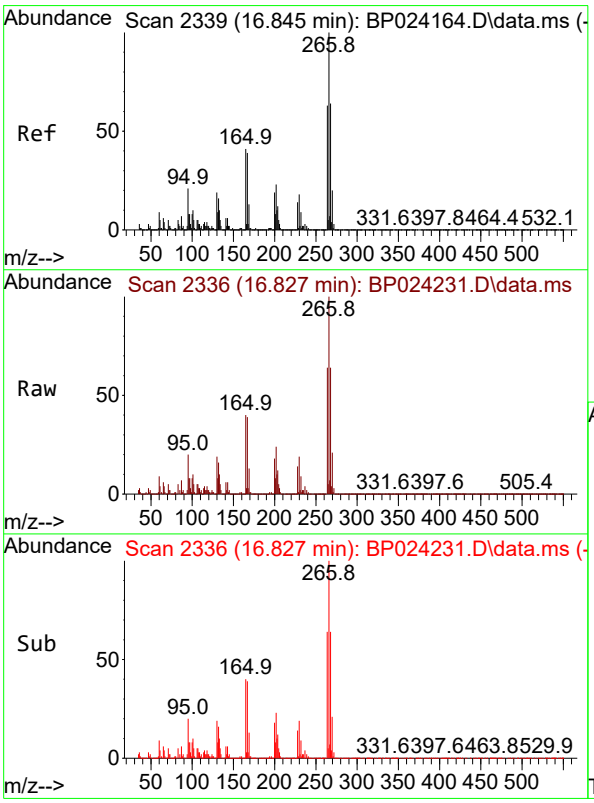

#69
Atrazine
Concen: 74.247 ng
RT: 16.633 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:200 Resp: 723151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.4 | 7.6 | 47.6 |
| 215 | 47.9 | 29.0 | 69.0 |

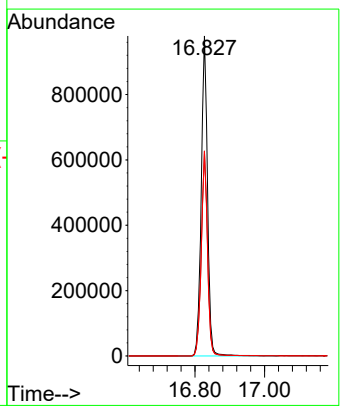


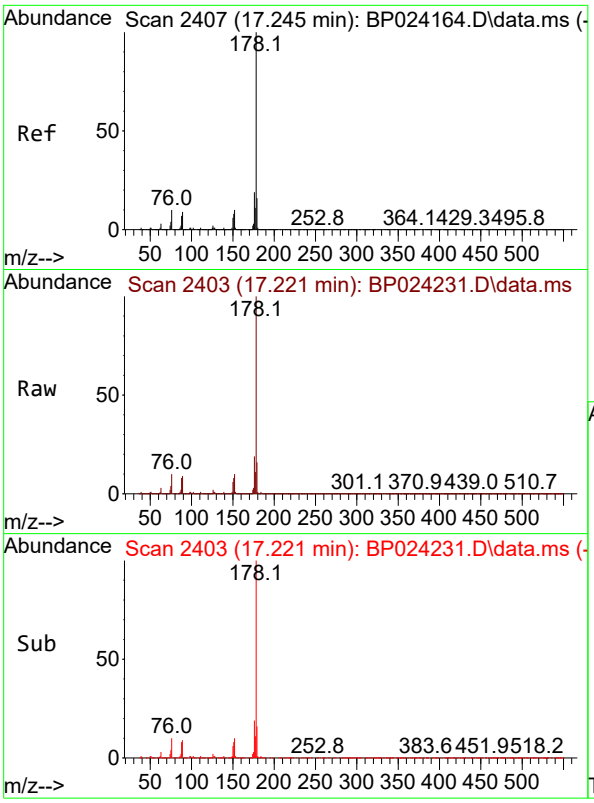




#70
Pentachlorophenol
Concen: 110.257 ng
RT: 16.827 min Scan# 2336
Delta R.T. -0.018 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:266 Resp: 1231248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.1 | 51.3 | 76.9 |
| 264 | 63.9 | 50.6 | 76.0 |



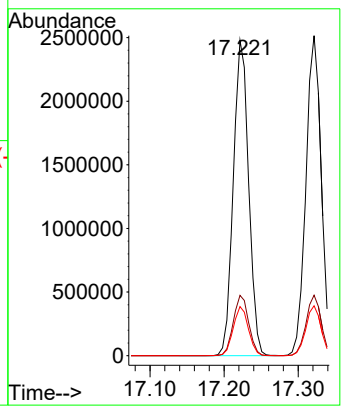


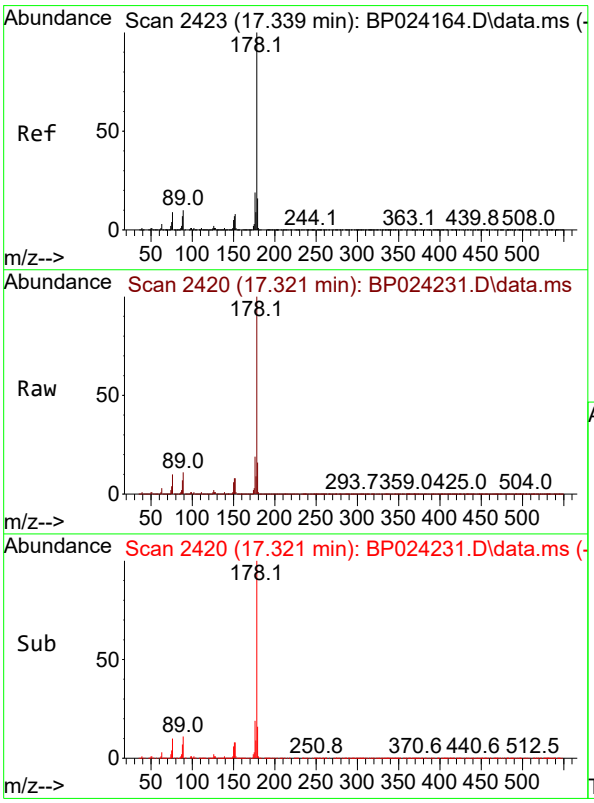

#71
Phenanthrene
Concen: 48.996 ng
RT: 17.221 min Scan# 24
Delta R.T. -0.024 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:178 Resp: 3556819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 15.6 | 23.4 |
| 179 | 15.6 | 12.5 | 18.7 |

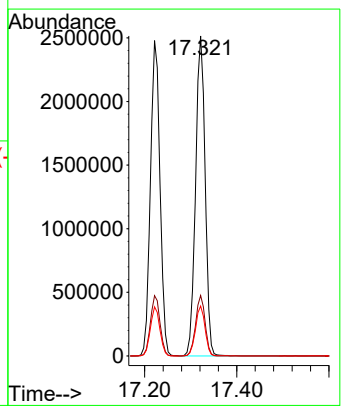


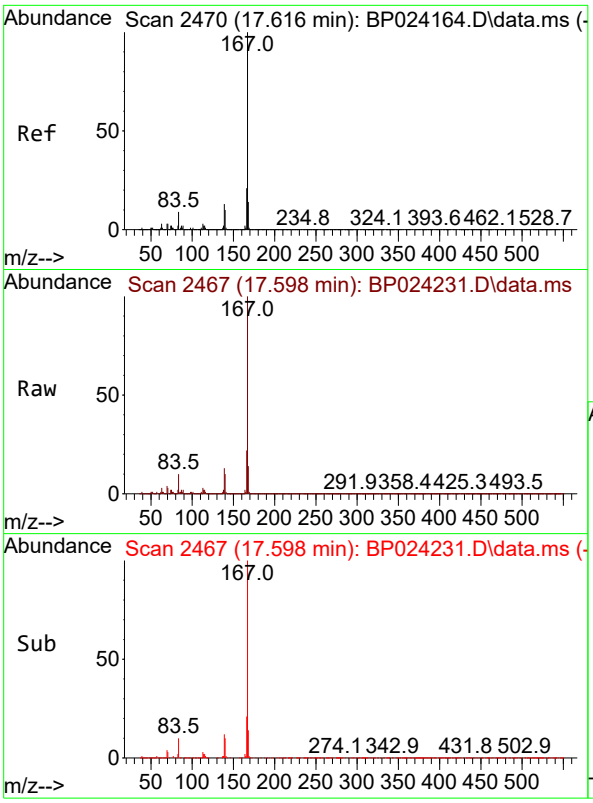




#72
Anthracene
Concen: 51.168 ng
RT: 17.321 min Scan# 2420
Delta R.T. -0.018 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:178 Resp: 3617810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 15.2 | 22.8 |
| 179 | 15.6 | 12.6 | 18.8 |



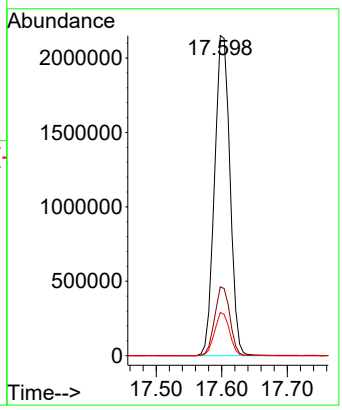


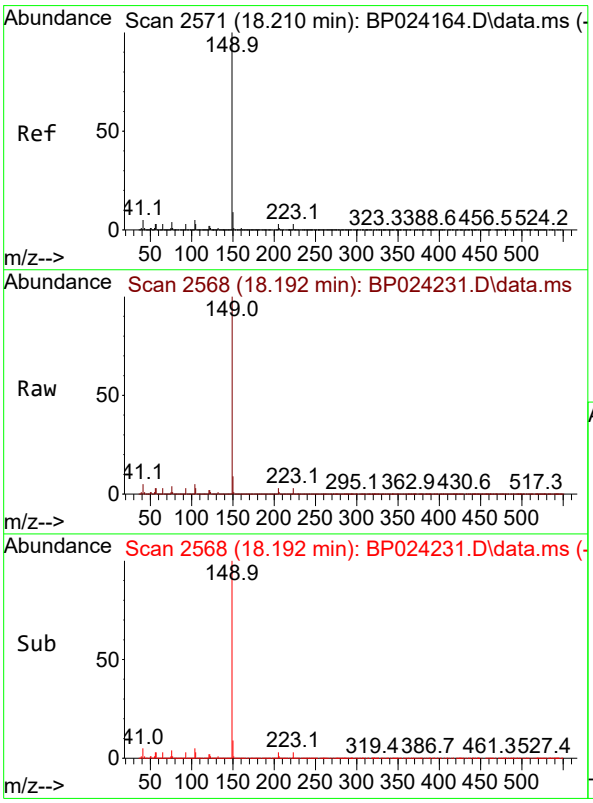

#73
Carbazole
Concen: 51.267 ng
RT: 17.598 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:167 Resp: 3495657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.5 | 17.1 | 25.7 |
| 139 | 13.5 | 10.2 | 15.4 |

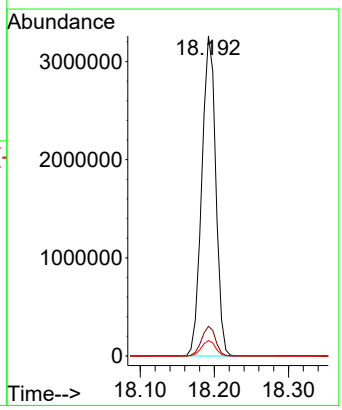


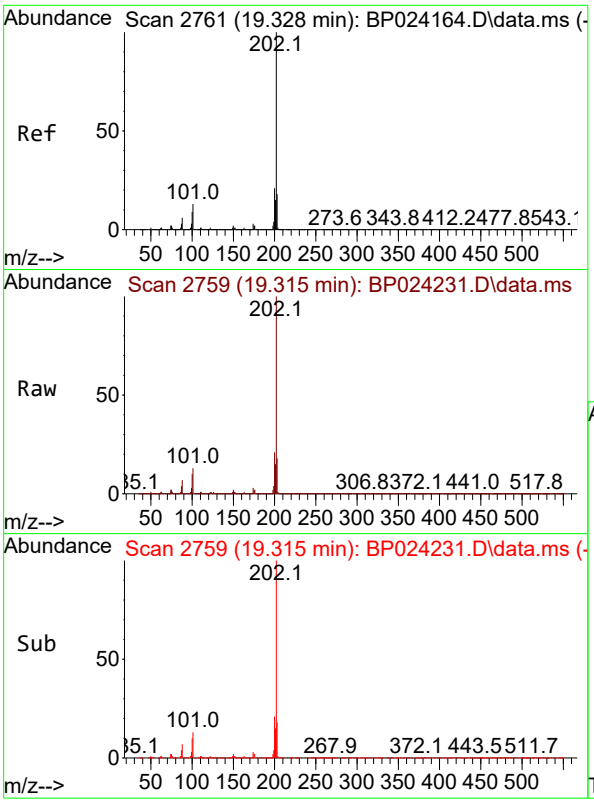




#74
Di-n-butylphthalate
Concen: 52.702 ng
RT: 18.192 min Scan# 2568
Delta R.T. -0.018 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:149 Resp: 4265840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.6 | 11.4 |
| 104 | 4.8 | 3.9 | 5.9 |



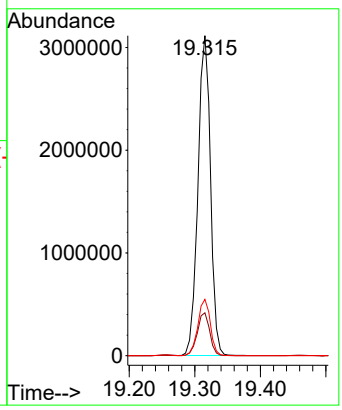


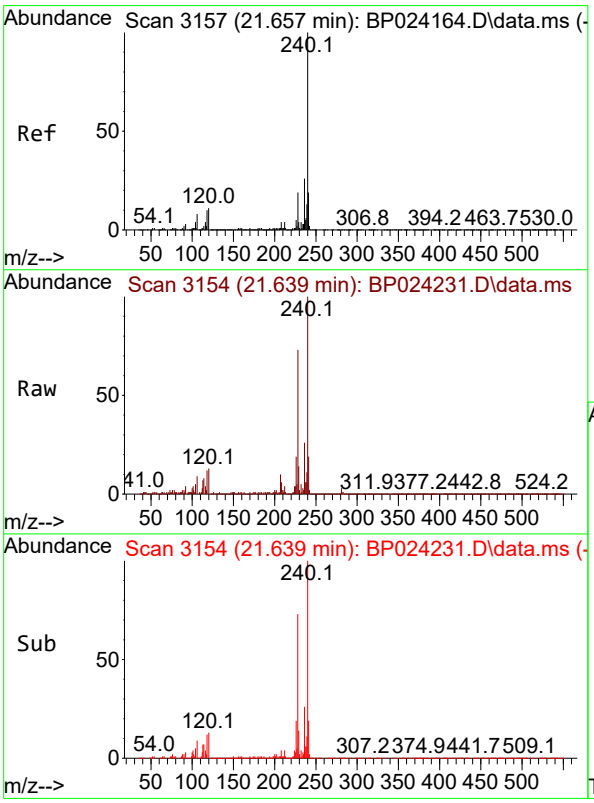

#75
Fluoranthene
Concen: 49.309 ng
RT: 19.315 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:202 Resp: 4145716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.4 | 0.0 | 32.5 |
| 203 | 17.6 | 0.0 | 37.9 |

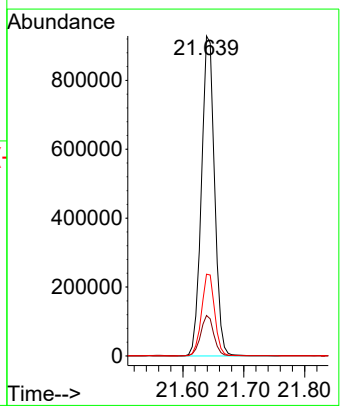


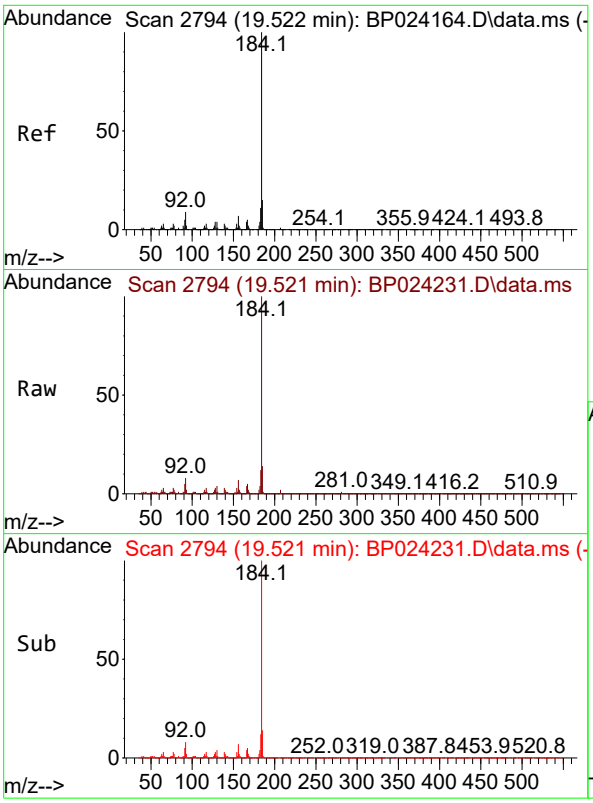




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.639 min Scan# 3154
Delta R.T. -0.018 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:240 Resp: 1384500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.7 | 9.2 | 13.8 |
| 236 | 25.6 | 20.4 | 30.6 |



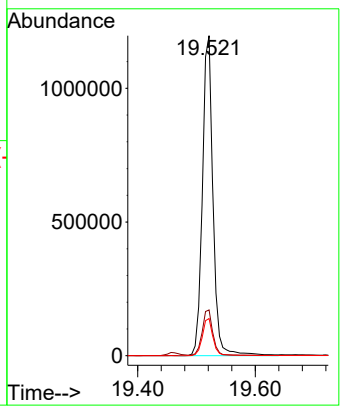


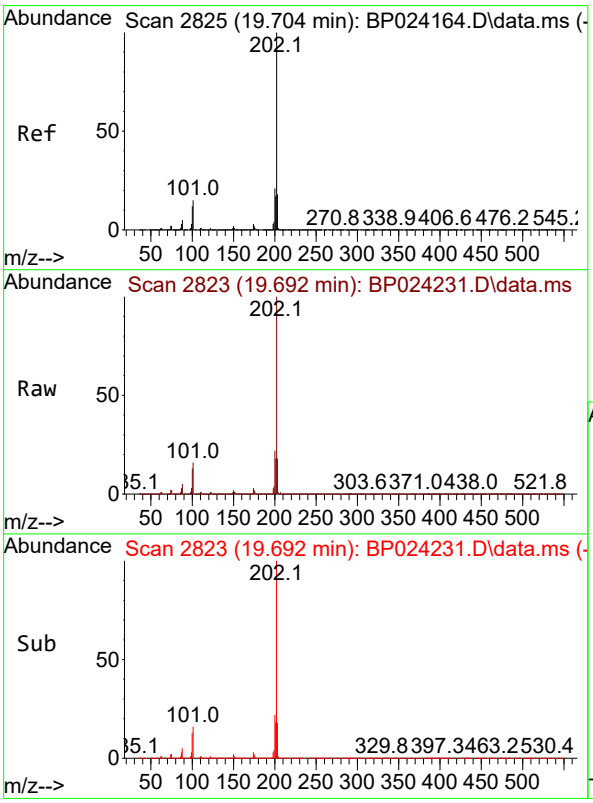

#77
Benzidine
Concen: 98.674 ng
RT: 19.521 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:184 Resp: 1493656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.3 | 11.8 | 17.6 |
| 183 | 11.6 | 9.1 | 13.7 |

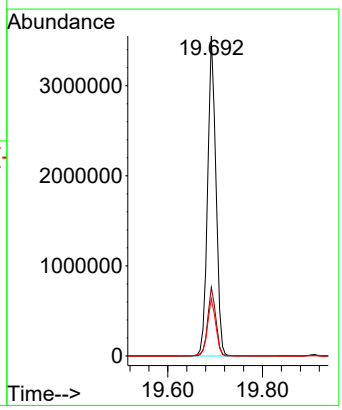


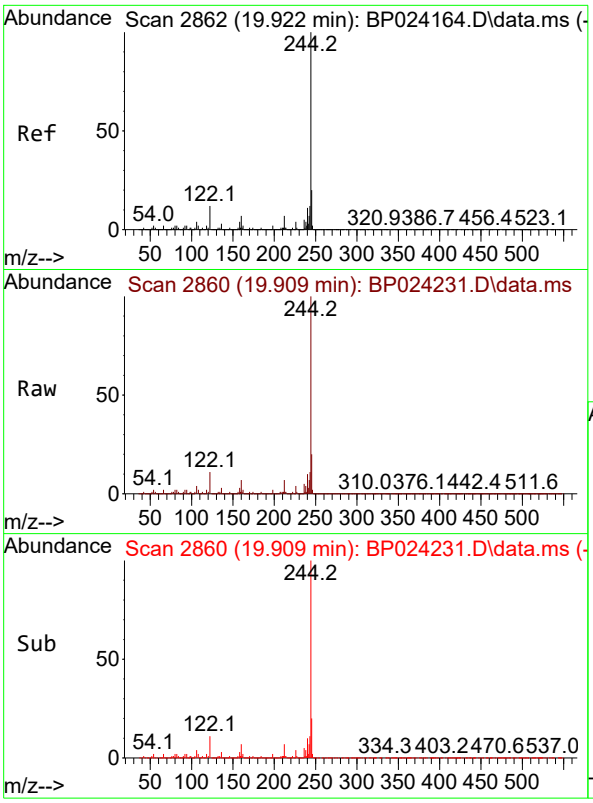




#78
Pyrene
Concen: 50.053 ng
RT: 19.692 min Scan# 2823
Delta R.T. -0.012 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:202 Resp: 4308248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.5 | 17.1 | 25.7 |
| 203 | 17.9 | 14.2 | 21.4 |



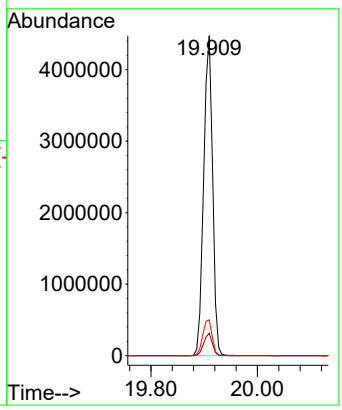


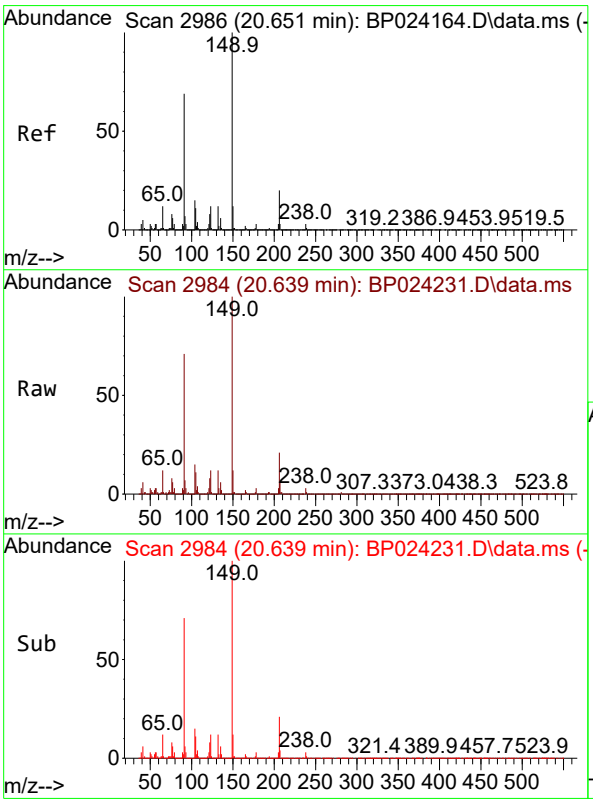

#79
Terphenyl-d14
Concen: 77.337 ng
RT: 19.909 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:244 Resp: 5187087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.7 | 8.5 |
| 122 | 11.2 | 9.6 | 14.4 |

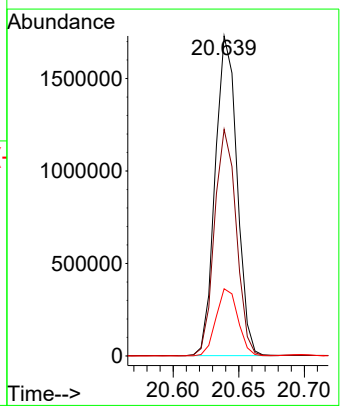


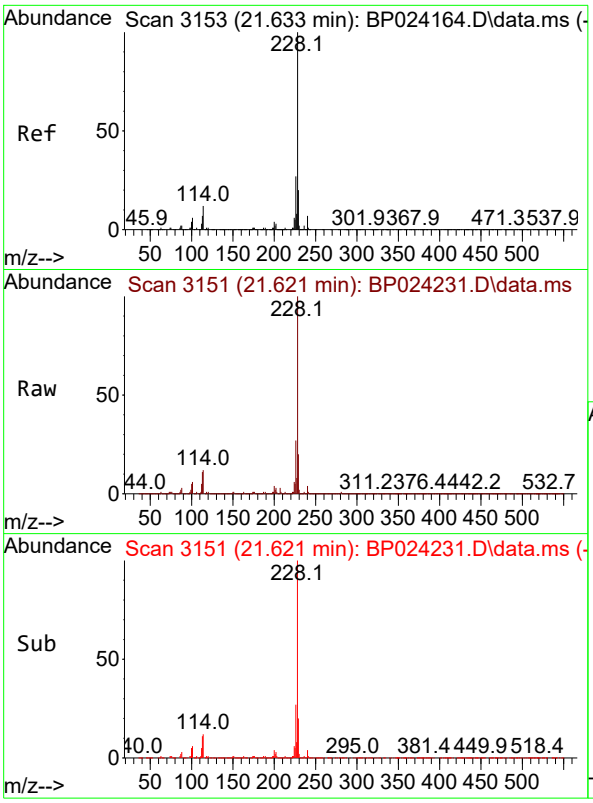




#80
Butylbenzylphthalate
Concen: 56.426 ng
RT: 20.639 min Scan# 2984
Delta R.T. -0.012 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:149 Resp: 2002861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 70.8 | 55.3 | 82.9 |
| 206 | 21.0 | 16.1 | 24.1 |



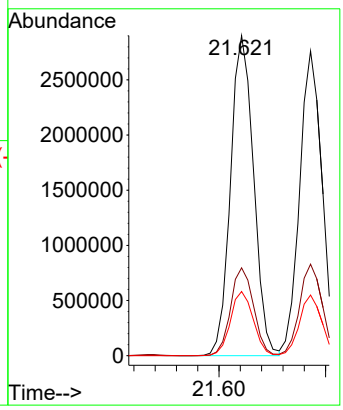


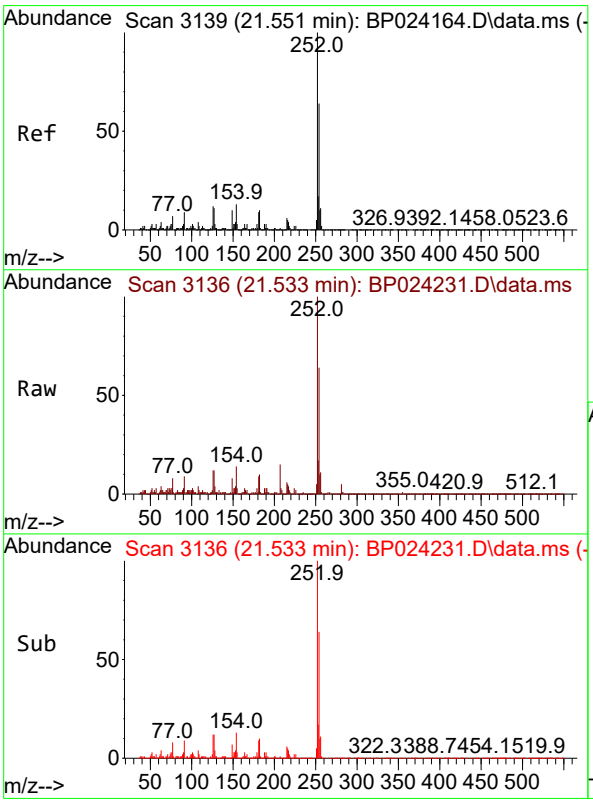

#81
Benzo(a)anthracene
Concen: 50.773 ng
RT: 21.621 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:228 Resp: 4370438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.5 | 21.8 | 32.8 |
| 229 | 20.1 | 16.0 | 24.0 |

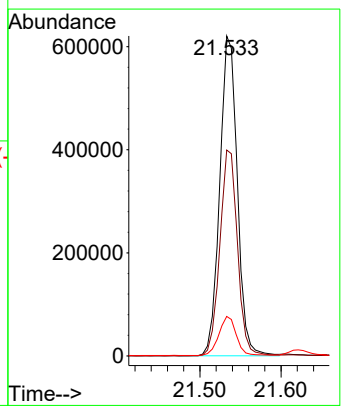


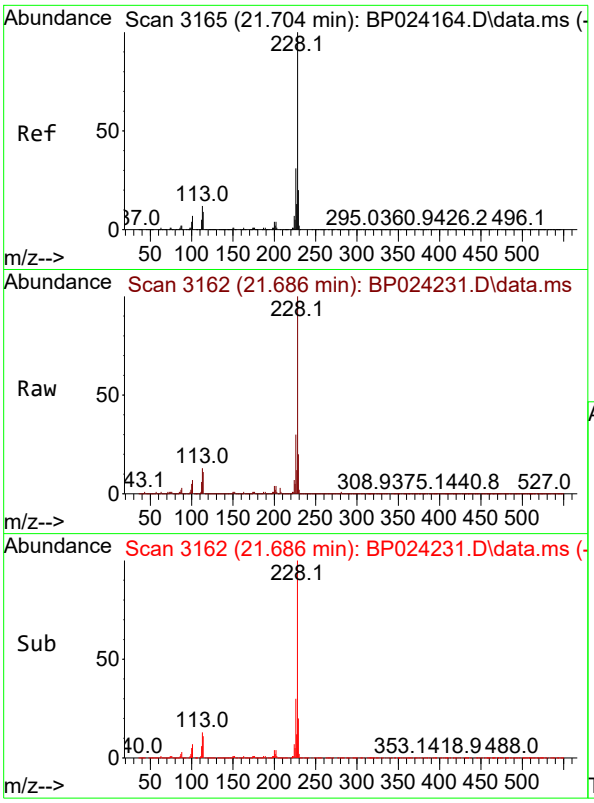




#82
3,3'-Dichlorobenzidine
Concen: 32.354 ng
RT: 21.533 min Scan# 3136
Delta R.T. -0.018 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:252 Resp: 933391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.4 | 51.4 | 77.2 |
| 126 | 12.3 | 9.3 | 13.9 |



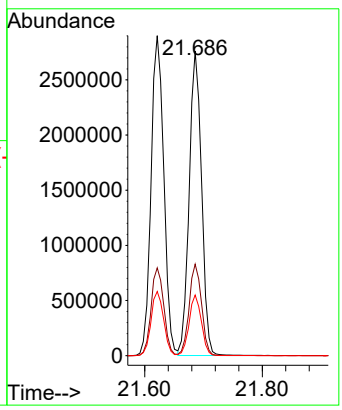


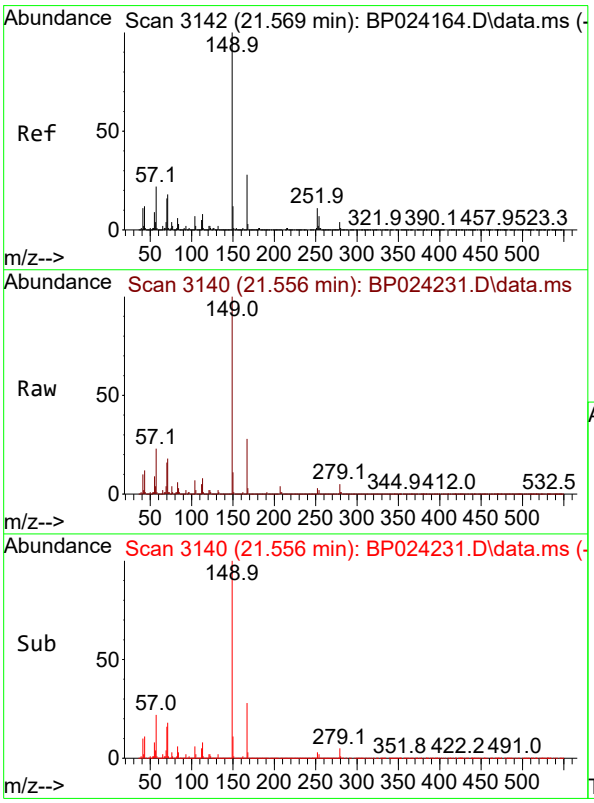

#83
Chrysene
Concen: 48.783 ng
RT: 21.686 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:228 Resp: 4036729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 24.5 | 36.7 |
| 229 | 19.9 | 16.2 | 24.2 |

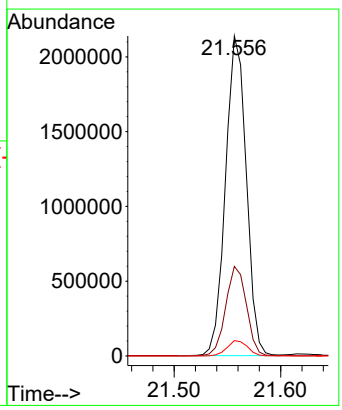


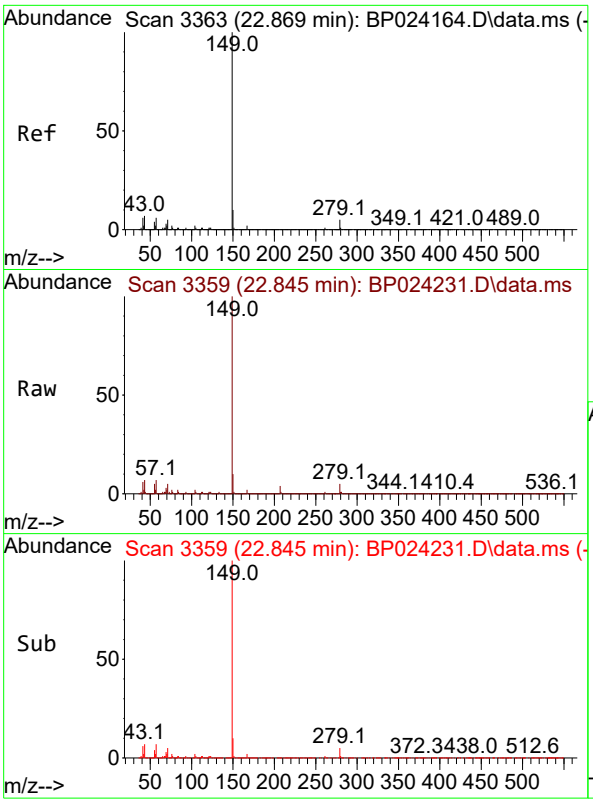




#84
Bis(2-ethylhexyl)phthalate
Concen: 53.971 ng
RT: 21.556 min Scan# 3140
Delta R.T. -0.012 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:149 Resp: 2890618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.0 | 22.5 | 33.7 |
| 279 | 4.8 | 3.6 | 5.4 |



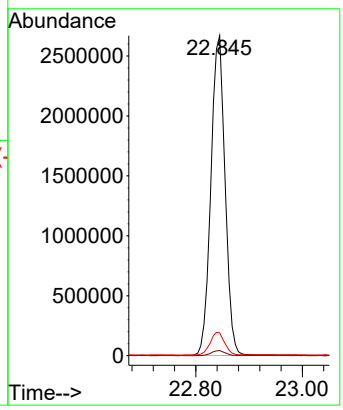


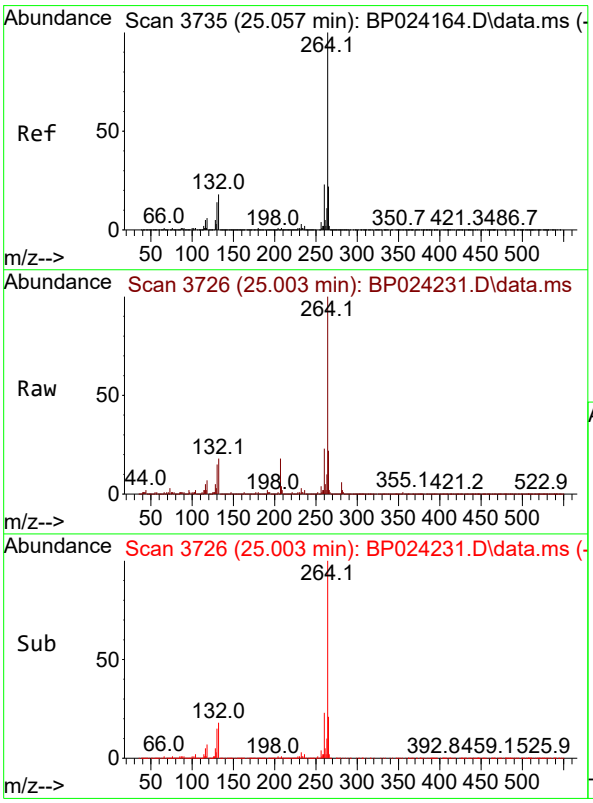

#85
Di-n-octyl phthalate
Concen: 57.344 ng
RT: 22.845 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:149 Resp: 4920837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 7.2 | 5.8 | 8.8 |

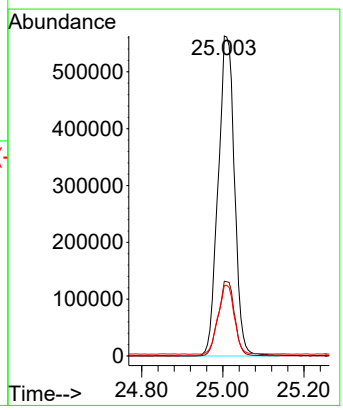


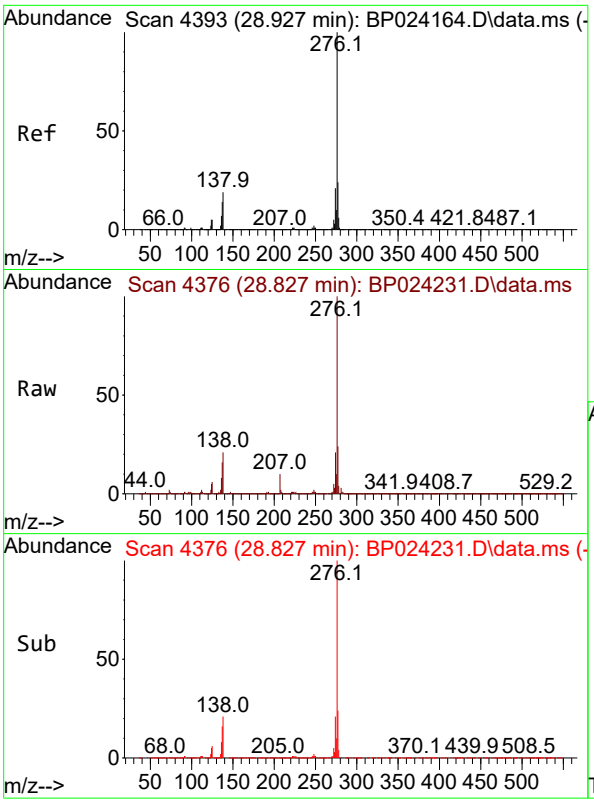




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.003 min Scan# 3726
Delta R.T. -0.053 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:264 Resp: 1577239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 18.5 | 27.7 |
| 265 | 22.0 | 17.7 | 26.5 |



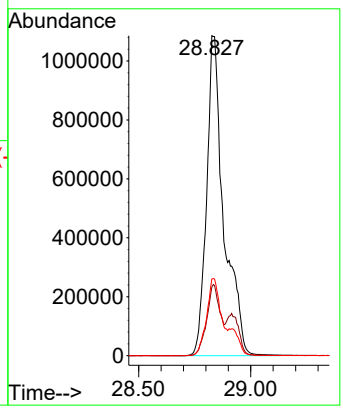


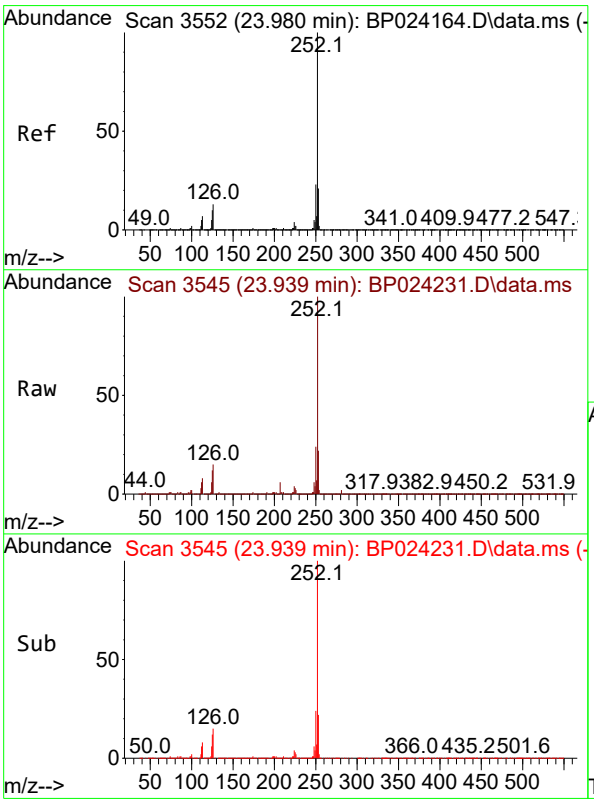

#87
Indeno(1,2,3-cd)pyrene
Concen: 52.655 ng
RT: 28.827 min Scan# 4
Delta R.T. -0.100 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:276 Resp: 5796219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 17.2 | 13.7 | 20.5 |
| 277 | 20.3 | 20.2 | 30.2 |

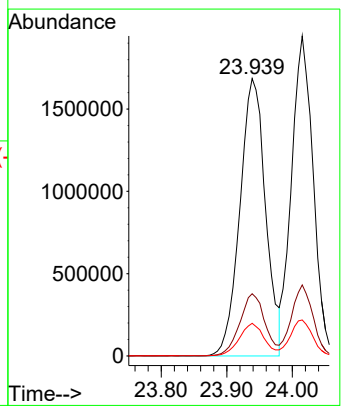


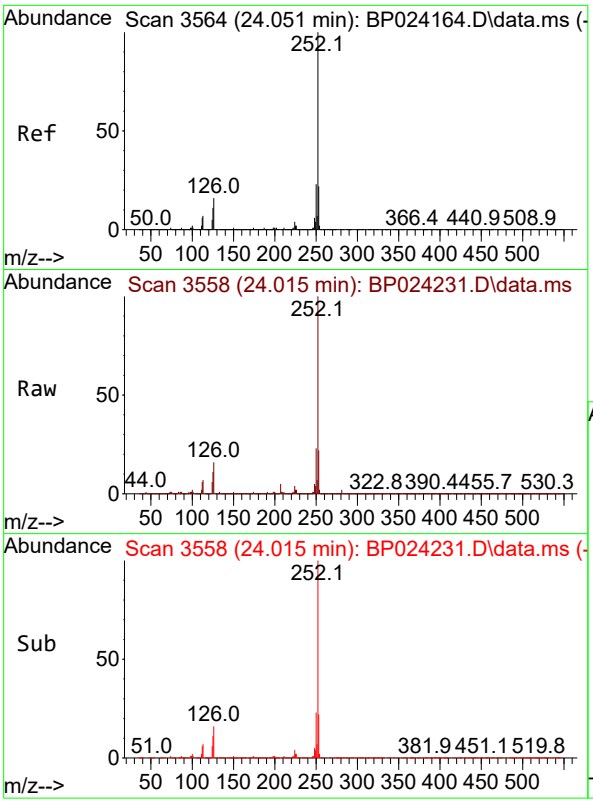




#88
Benzo(b)fluoranthene
Concen: 48.307 ng
RT: 23.939 min Scan# 3545
Delta R.T. -0.042 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:252 Resp: 4593867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 17.2 | 25.8 |
| 125 | 11.7 | 8.2 | 12.4 |



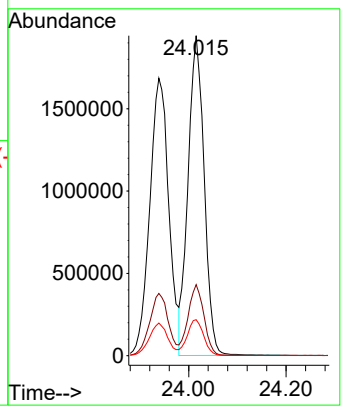


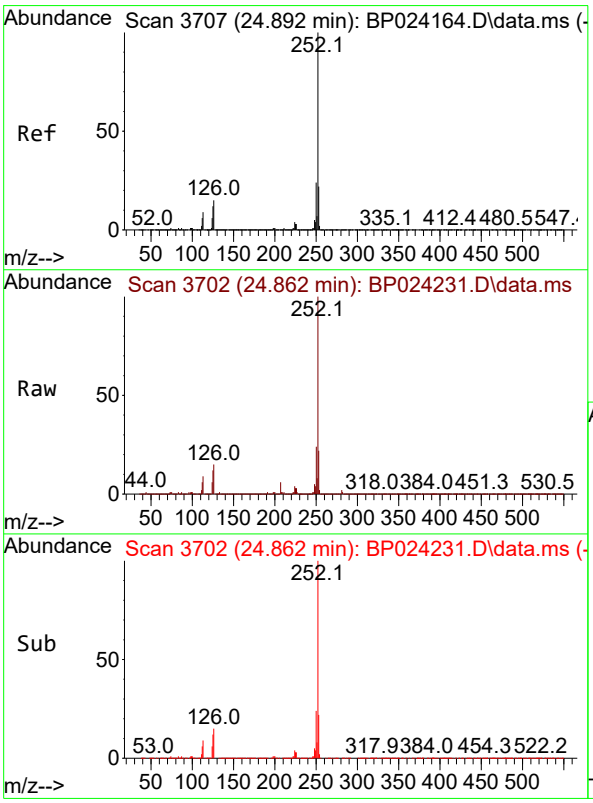

#89
Benzo(k)fluoranthene
Concen: 47.849 ng
RT: 24.015 min Scan# 3
Delta R.T. -0.036 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:252 Resp: 4451059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.7 | 26.5 |
| 125 | 11.2 | 9.1 | 13.7 |

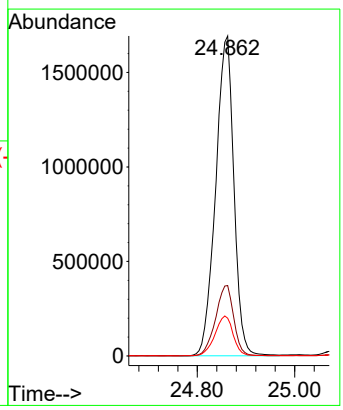


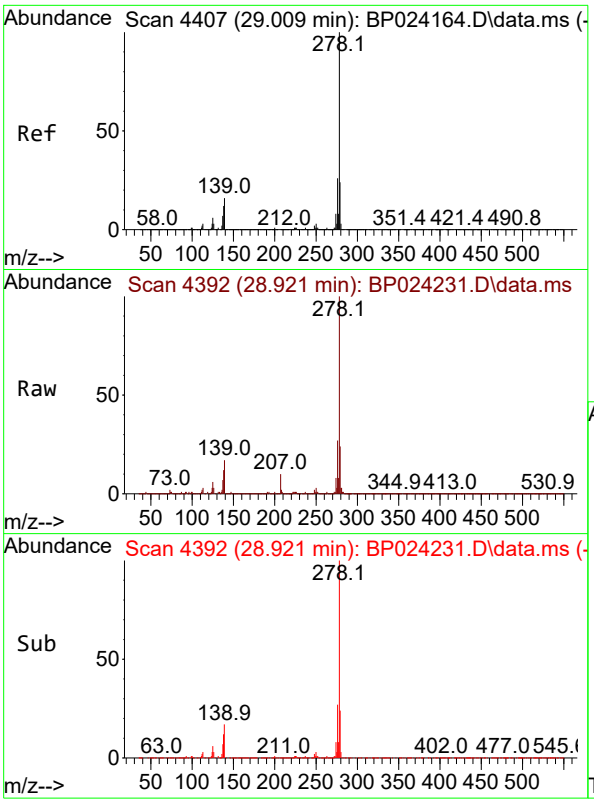




#90
Benzo(a)pyrene
Concen: 53.241 ng
RT: 24.862 min Scan# 3702
Delta R.T. -0.030 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:252 Resp: 4402724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.4 | 26.0 |
| 125 | 11.8 | 9.6 | 14.4 |



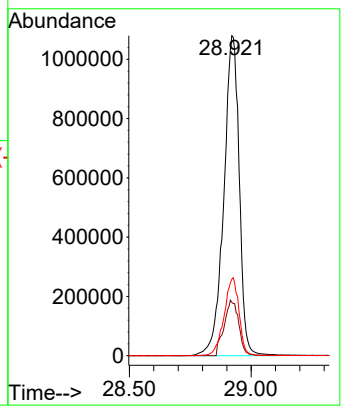


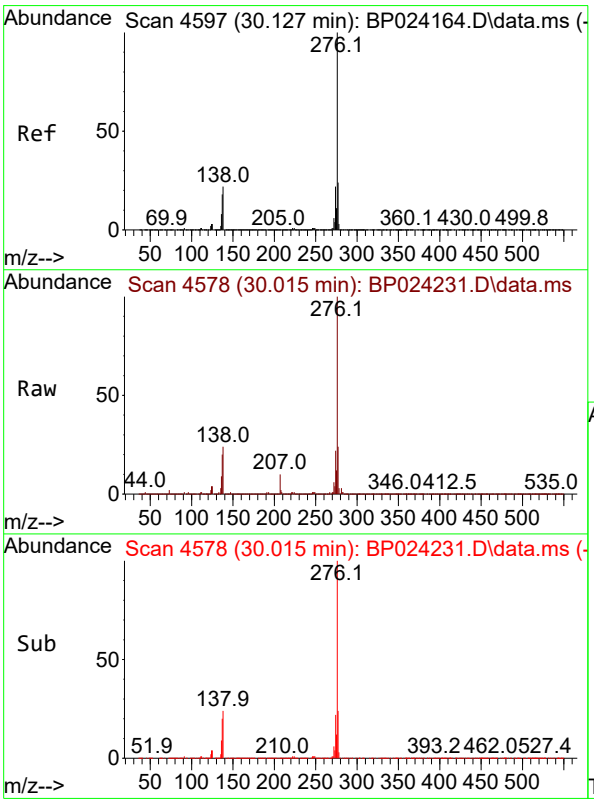

#91
Dibenzo(a,h)anthracene
Concen: 52.128 ng
RT: 28.921 min Scan# 4
Delta R.T. -0.089 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MS

Tgt Ion:278 Resp: 4773931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.6 | 13.0 | 19.4 |
| 279 | 23.9 | 18.8 | 28.2 |

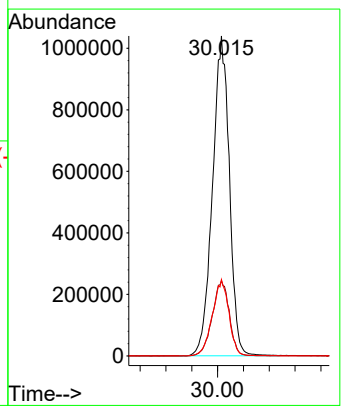



#92
Benzo(g,h,i)perylene
Concen: 50.504 ng
RT: 30.015 min Scan# 4578
Delta R.T. -0.112 min
Lab File: BP024231.D
Acq: 09 Apr 2025 12:15

Tgt Ion:276 Resp: 4701649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 19.2 | 28.8 |
| 138 | 23.9 | 17.4 | 26.2 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-VSL-15-040325MSD | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-01MSD | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 96.9 |
| Sample Wt/Vol: | 30.06 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group3 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024232.D | 1 | 04/07/25 08:55 | 04/09/25 12:56 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 91-20-3 | Naphthalene | 1.60 | | 0.023 | 0.13 | 0.18 | mg/Kg |
| 91-57-6 | 2-Methylnaphthalene | 1.50 | | 0.026 | 0.13 | 0.18 | mg/Kg |
| 208-96-8 | Acenaphthylene | 1.80 | | 0.030 | 0.13 | 0.18 | mg/Kg |
| 83-32-9 | Acenaphthene | 1.60 | | 0.022 | 0.13 | 0.18 | mg/Kg |
| 86-73-7 | Fluorene | 1.70 | | 0.026 | 0.13 | 0.18 | mg/Kg |
| 85-01-8 | Phenanthrene | 1.70 | | 0.022 | 0.13 | 0.18 | mg/Kg |
| 120-12-7 | Anthracene | 1.80 | | 0.034 | 0.13 | 0.18 | mg/Kg |
| 206-44-0 | Fluoranthene | 1.70 | | 0.031 | 0.13 | 0.18 | mg/Kg |
| 129-00-0 | Pyrene | 1.70 | | 0.037 | 0.13 | 0.18 | mg/Kg |
| 56-55-3 | Benzo(a)anthracene | 1.70 | | 0.024 | 0.13 | 0.18 | mg/Kg |
| 218-01-9 | Chrysene | 1.70 | | 0.021 | 0.13 | 0.18 | mg/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 1.60 | | 0.020 | 0.13 | 0.18 | mg/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 1.70 | | 0.023 | 0.13 | 0.18 | mg/Kg |
| 50-32-8 | Benzo(a)pyrene | 1.80 | | 0.030 | 0.13 | 0.18 | mg/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1.70 | | 0.030 | 0.13 | 0.18 | mg/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 1.70 | | 0.028 | 0.13 | 0.18 | mg/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 1.70 | | 0.027 | 0.13 | 0.18 | mg/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 104 | | 35 - 115 | | 69% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 106 | | 34 - 127 | | 71% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 72.1 | | 37 - 122 | | 72% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 69.8 | | 44 - 115 | | 70% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 101 | | 39 - 132 | | 68% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 76.7 | | 54 - 127 | | 77% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 287000 | 7.74 | | | | |
| 1146-65-2 | Naphthalene-d8 | 1150000 | 10.516 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 708000 | 14.375 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 1390000 | 17.198 | | | | |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-VSL-15-040325MSD | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-01MSD | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 96.9 |
| Sample Wt/Vol: | 30.06 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group3 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024232.D | 1 | 04/07/25 08:55 | 04/09/25 12:56 | PB167474 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 1719-03-5 | Chrysene-d12 | 1500000 | 21.633 | | | | |
| 1520-96-3 | Perylene-d12 | 1670000 | 24.998 | | | | |

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\BP040925\
Data File : BP024232.D
Acq On : 09 Apr 2025 12:56
Operator : RC/JU
Sample : Q1730-01MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Quant Time: Apr 10 01:59:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.740 | 152 | 286902 | 20.000 | ng | | -0.03 |
| 21) Naphthalene-d8 | 10.516 | 136 | 1149847 | 20.000 | ng | | -0.04 |
| 39) Acenaphthene-d10 | 14.375 | 164 | 708393 | 20.000 | ng | | -0.03 |
| 64) Phenanthrene-d10 | 17.198 | 188 | 1387592 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.633 | 240 | 1504352 | 20.000 | ng | | -0.02 |
| 86) Perylene-d12 | 24.998 | 264 | 1667153 | 20.000 | ng | | -0.06 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.357 | 112 | 1872195 | 104.166 | ng | | -0.02 |
| 7) Phenol-d6 | 6.922 | 99 | 2545054 | 105.891 | ng | | -0.03 |
| 23) Nitrobenzene-d5 | 8.887 | 82 | 1469315 | 72.097 | ng | | -0.04 |
| 42) 2,4,6-Tribromophenol | 15.898 | 330 | 903624 | 101.268 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 12.986 | 172 | 3352065 | 69.774 | ng | | -0.03 |
| 79) Terphenyl-d14 | 19.910 | 244 | 5589464 | 76.697 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.299 | 88 | 318850 | 44.755 | ng | | 97 |
| 3) Pyridine | 3.687 | 79 | 867946 | 44.564 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.599 | 42 | 304308 | 46.774 | ng | | 94 |
| 6) Aniline | 7.075 | 93 | 712147 | 32.521 | ng | | 99 |
| 8) 2-Chlorophenol | 7.316 | 128 | 977587 | 50.355 | ng | | 99 |
| 9) Benzaldehyde | 6.893 | 77 | 537154 | 46.311 | ng | | 98 |
| 10) Phenol | 6.951 | 94 | 1256999 | 51.807 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.169 | 93 | 910757 | 47.599 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.628 | 146 | 1000080 | 47.770 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.775 | 146 | 1021633 | 47.794 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.087 | 146 | 981103 | 47.830 | ng | | 99 |
| 15) Benzyl Alcohol | 7.981 | 79 | 803918 | 52.832 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.263 | 45 | 984526 | 50.415 | ng | | 98 |
| 17) 2-Methylphenol | 8.187 | 107 | 812455 | 53.399 | ng | | 99 |
| 18) Hexachloroethane | 8.810 | 117 | 367262 | 48.428 | ng | | 100 |
| 19) n-Nitroso-di-n-propyla... | 8.540 | 70 | 671750 | 48.176 | ng | | 100 |
| 20) 3+4-Methylphenols | 8.510 | 107 | 1101160 | 52.679 | ng | | 99 |
| 22) Acetophenone | 8.551 | 105 | 1368679 | 47.081 | ng | # | 98 |
| 24) Nitrobenzene | 8.928 | 77 | 989940 | 49.240 | ng | | 99 |
| 25) Isophorone | 9.451 | 82 | 1856824 | 53.151 | ng | | 100 |
| 26) 2-Nitrophenol | 9.634 | 139 | 508733 | 52.975 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.698 | 122 | 843916 | 68.341 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 9.928 | 93 | 1200865 | 48.863 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.169 | 162 | 866930 | 51.897 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.381 | 180 | 872159 | 47.256 | ng | | 99 |
| 31) Naphthalene | 10.563 | 128 | 2815023 | 46.184 | ng | | 99 |
| 32) Benzoic acid | 9.845 | 122 | 702851 | 58.361 | ng | | 98 |
| 33) 4-Chloroaniline | 10.675 | 127 | 396843 | 18.193 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.851 | 225 | 501884 | 47.250 | ng | | 99 |
| 35) Caprolactam | 11.463 | 113 | 317058 | 57.912 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 11.810 | 107 | 964274 | 53.509 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.181 | 142 | 1774016 | 43.082 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.398 | 142 | 1880682 | 46.957 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.557 | 216 | 936735 | 45.744 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.533 | 237 | 1252054 | 169.622 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 12.798 | 196 | 679967 | 52.249 | ng | | 100 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024232.D
Acq On : 09 Apr 2025 12:56
Operator : RC/JU
Sample : Q1730-01MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Quant Time: Apr 10 01:59:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

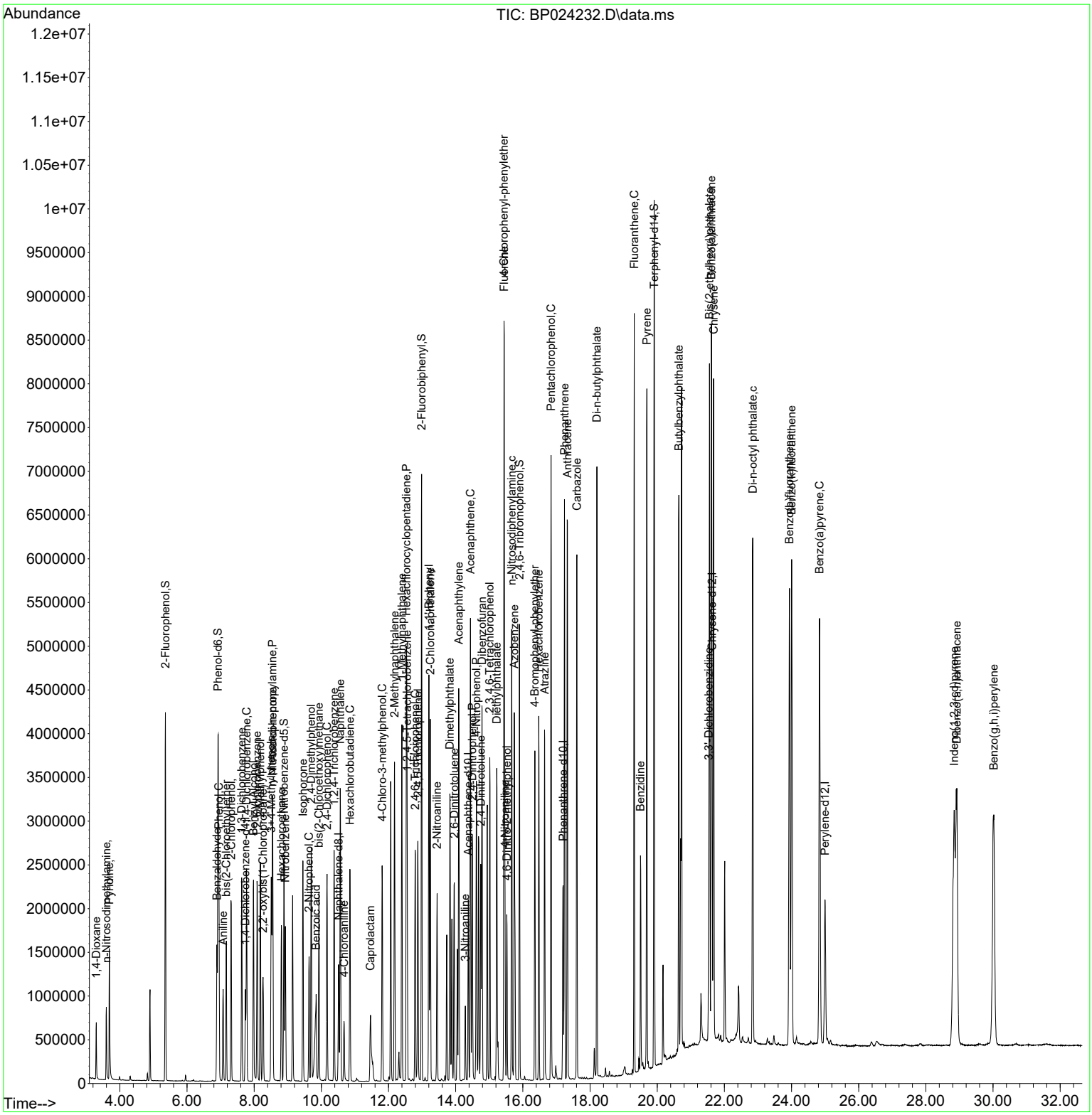
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.875 | 196 | 750647 | 52.596 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.204 | 154 | 2489932 | 46.775 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.245 | 162 | 1917821 | 47.898 | ng | 99 |
| 48) 2-Nitroaniline | 13.445 | 65 | 580959 | 56.728 | ng | 98 |
| 49) Acenaphthylene | 14.092 | 152 | 3199619 | 52.812 | ng | 100 |
| 50) Dimethylphthalate | 13.828 | 163 | 2465120 | 49.732 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.957 | 165 | 539503 | 51.730 | ng | 97 |
| 52) Acenaphthene | 14.439 | 154 | 1837985 | 47.482 | ng | 99 |
| 53) 3-Nitroaniline | 14.286 | 138 | 236450 | 20.991 | ng | 95 |
| 54) 2,4-Dinitrophenol | 14.498 | 184 | 715742 | 129.700 | ng | 99 |
| 55) Dibenzofuran | 14.786 | 168 | 2872093 | 45.805 | ng | 99 |
| 56) 4-Nitrophenol | 14.616 | 139 | 1144006 | 121.546 | ng | 99 |
| 57) 2,4-Dinitrotoluene | 14.751 | 165 | 779044 | 56.551 | ng | 96 |
| 58) Fluorene | 15.445 | 166 | 2388449 | 48.890 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.016 | 232 | 651159 | 51.641 | ng | 98 |
| 60) Diethylphthalate | 15.222 | 149 | 2466418 | 49.967 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.439 | 204 | 1139270 | 47.546 | ng | 97 |
| 62) 4-Nitroaniline | 15.469 | 138 | 585528 | 49.562 | ng | 99 |
| 63) Azobenzene | 15.745 | 77 | 2707344 | 58.192 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.527 | 198 | 447652 | 54.343 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 15.669 | 169 | 2056703 | 48.811 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.357 | 248 | 741067 | 48.644 | ng | 99 |
| 68) Hexachlorobenzene | 16.474 | 284 | 880437 | 48.828 | ng | 99 |
| 69) Atrazine | 16.651 | 200 | 746444 | 73.394 | ng | 99 |
| 70) Pentachlorophenol | 16.839 | 266 | 1285435 | 110.236 | ng | 100 |
| 71) Phenanthrene | 17.239 | 178 | 3704795 | 48.874 | ng | 100 |
| 72) Anthracene | 17.327 | 178 | 3807745 | 51.575 | ng | 99 |
| 73) Carbazole | 17.610 | 167 | 3699204 | 51.955 | ng | 99 |
| 74) Di-n-butylphthalate | 18.204 | 149 | 4425488 | 52.359 | ng | 99 |
| 75) Fluoranthene | 19.315 | 202 | 4413531 | 50.272 | ng | 99 |
| 77) Benzidine | 19.504 | 184 | 1488430 | 90.495 | ng | 100 |
| 78) Pyrene | 19.692 | 202 | 4613212 | 49.326 | ng | 100 |
| 80) Butylbenzylphthalate | 20.645 | 149 | 2181081 | 56.552 | ng | 98 |
| 81) Benzo(a)anthracene | 21.615 | 228 | 4668390 | 49.914 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.539 | 252 | 851663 | 27.169 | ng | 99 |
| 83) Chrysene | 21.680 | 228 | 4385837 | 48.779 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.557 | 149 | 3164227 | 54.373 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.845 | 149 | 5372260 | 57.617 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.844 | 276 | 5916857 | 50.852 | ng | 99 |
| 88) Benzo(b)fluoranthene | 23.939 | 252 | 4824633 | 47.997 | ng | 98 |
| 89) Benzo(k)fluoranthene | 24.003 | 252 | 4903911 | 49.874 | ng | 100 |
| 90) Benzo(a)pyrene | 24.833 | 252 | 4689771 | 53.654 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.921 | 278 | 4850816 | 50.111 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 30.021 | 276 | 4740076 | 48.170 | ng | 98 |

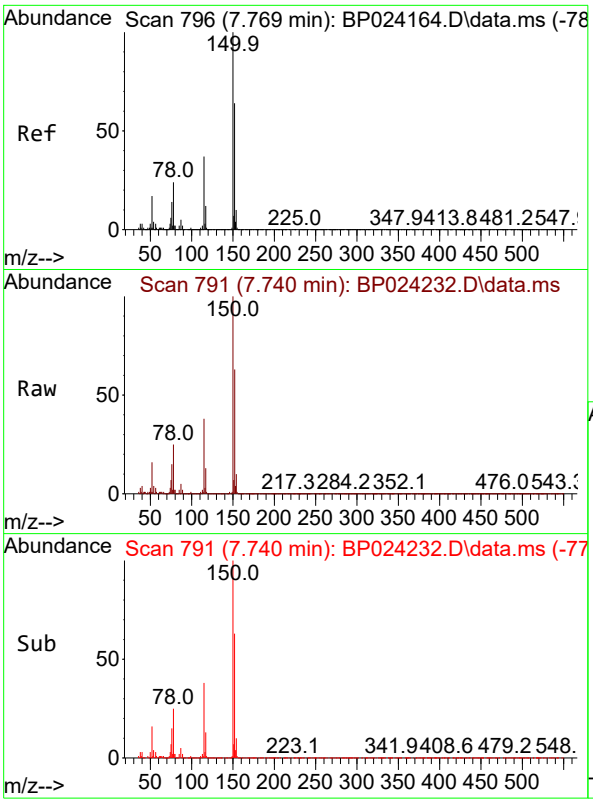
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024232.D
Acq On : 09 Apr 2025 12:56
Operator : RC/JU
Sample : Q1730-01MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Quant Time: Apr 10 01:59:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration



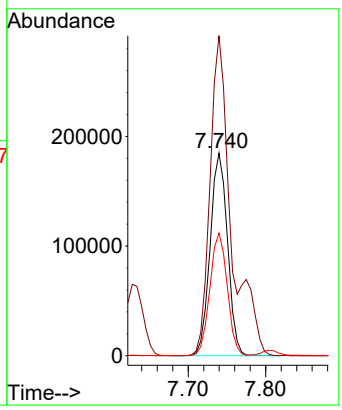


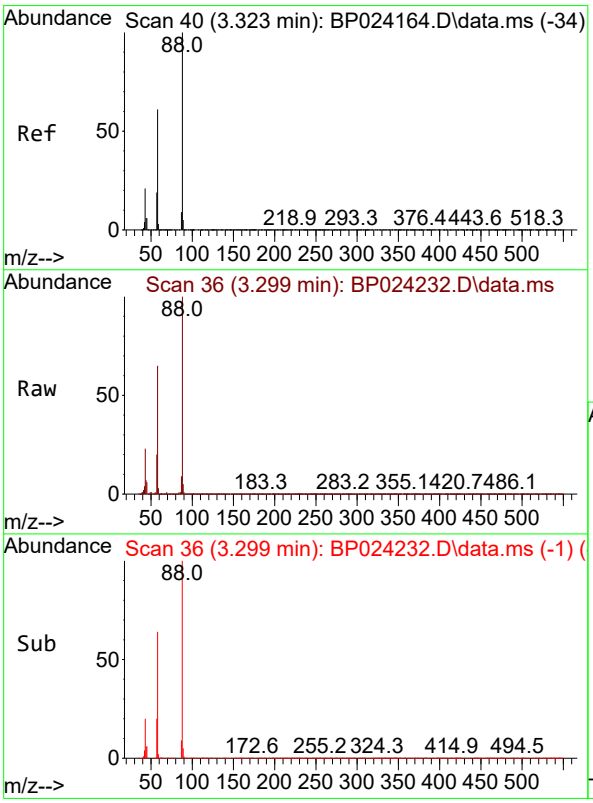

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.029 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:152 Resp: 286902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.9 | 125.5 | 188.3 |
| 115 | 60.6 | 46.3 | 69.5 |

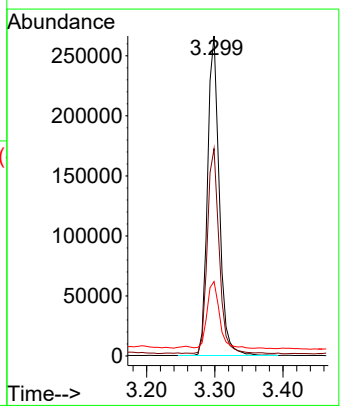


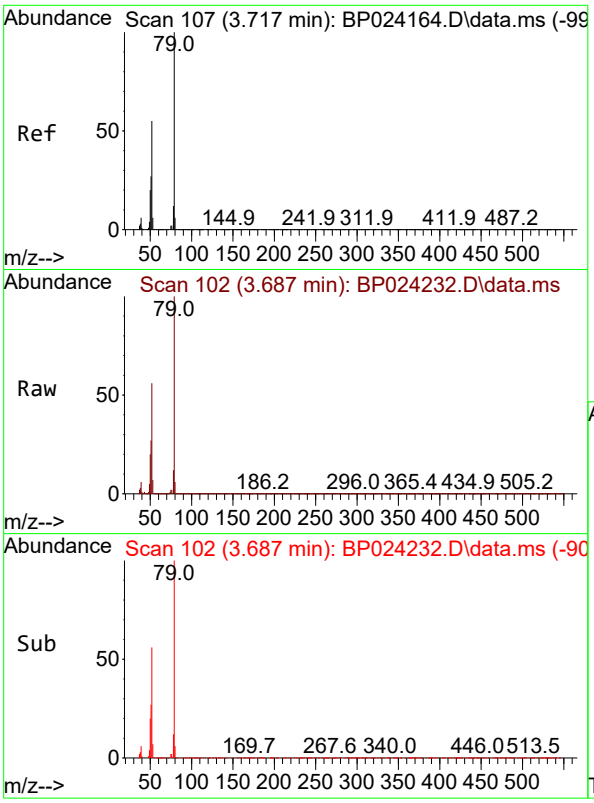




#2
1,4-Dioxane
Concen: 44.755 ng
RT: 3.299 min Scan# 36
Delta R.T. -0.024 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion: 88 Resp: 318850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 65.3 | 49.8 | 74.6 |
| 43 | 21.8 | 17.3 | 25.9 |



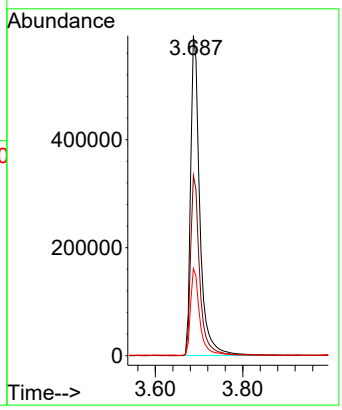


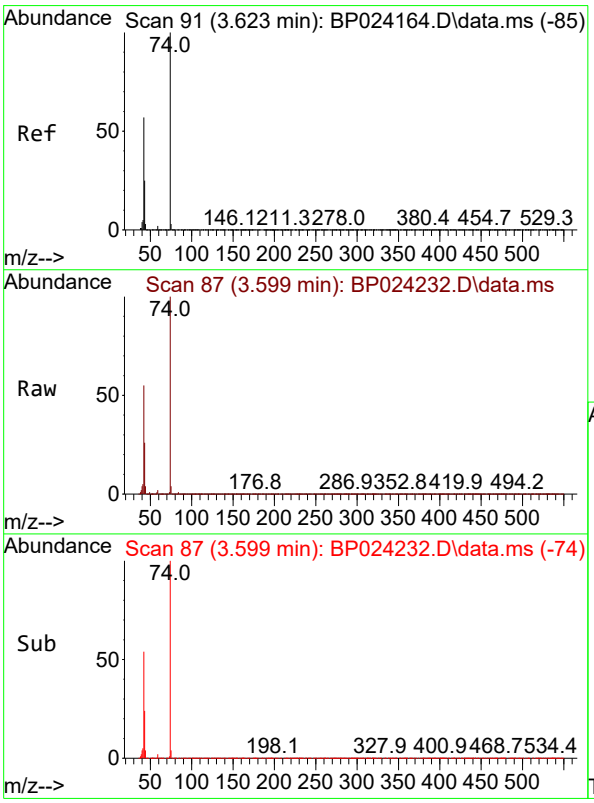

#3
Pyridine
Concen: 44.564 ng
RT: 3.687 min Scan# 1
Delta R.T. -0.030 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion: 79 Resp: 867946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 56.3 | 43.8 | 65.8 |
| 51 | 27.3 | 21.6 | 32.4 |

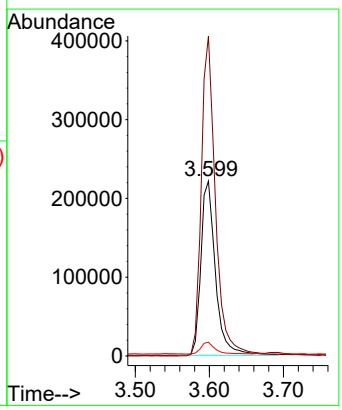


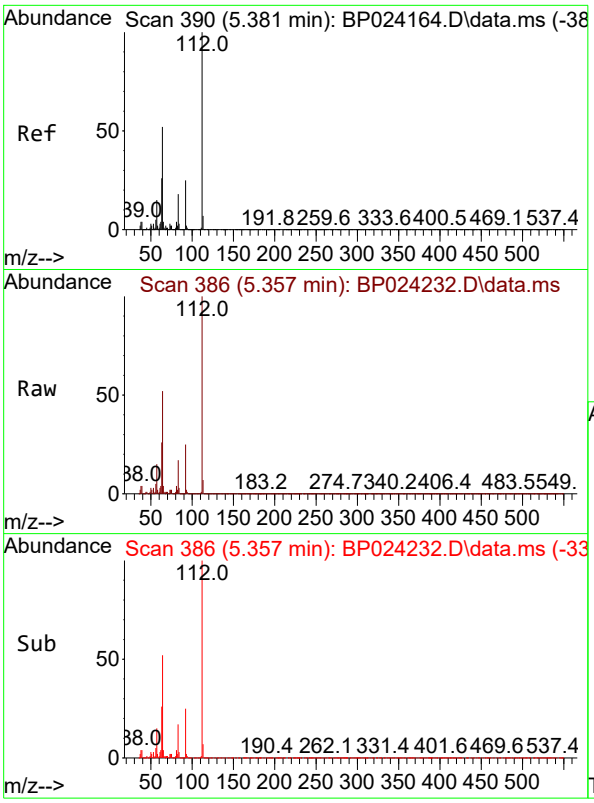




#4
n-Nitrosodimethylamine
Concen: 46.774 ng
RT: 3.599 min Scan# 87
Delta R.T. -0.024 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion: 42 Resp: 304308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 182.9 | 139.8 | 209.6 |
| 44 | 7.8 | 5.3 | 7.9 |



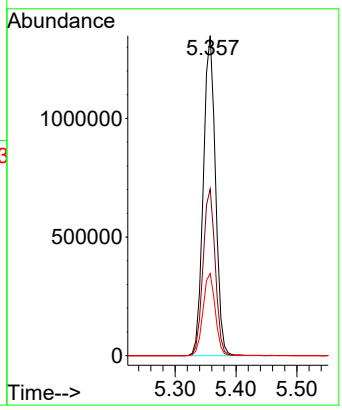


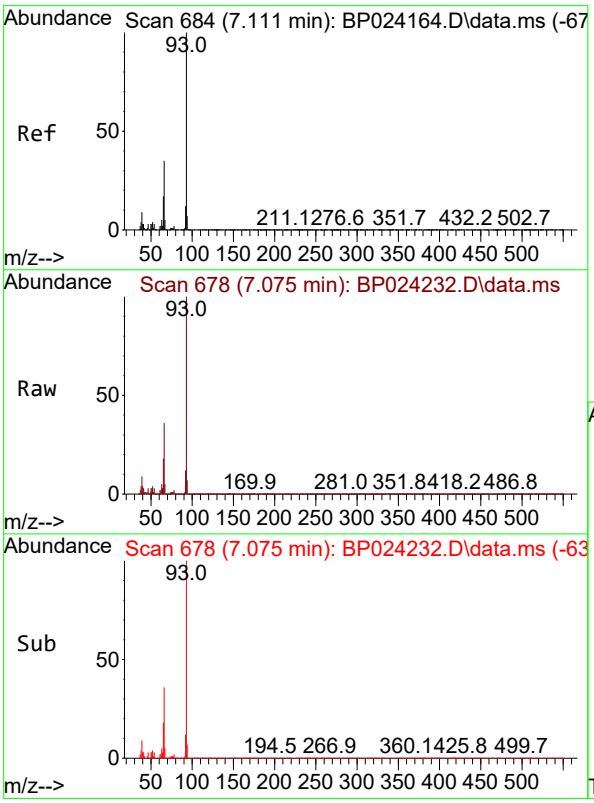

#5
2-Fluorophenol
Concen: 104.166 ng
RT: 5.357 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:112 Resp: 1872195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.1 | 41.3 | 61.9 |
| 63 | 25.6 | 20.6 | 31.0 |

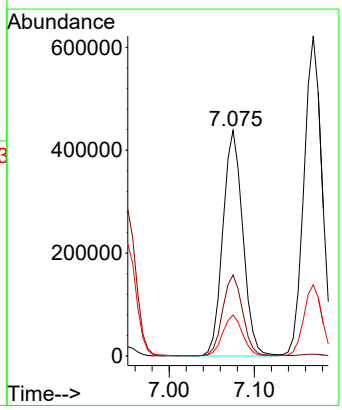


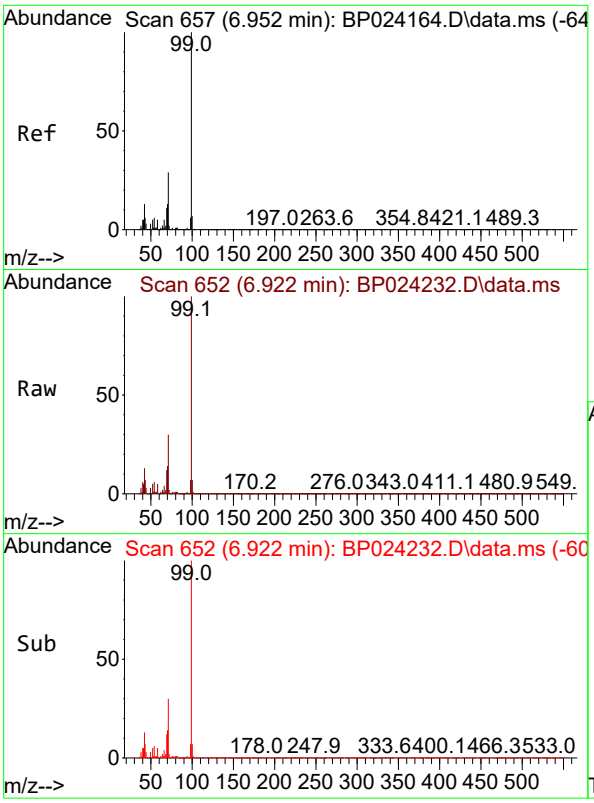




#6
Aniline
Concen: 32.521 ng
RT: 7.075 min Scan# 678
Delta R.T. -0.036 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion: 93 Resp: 712147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 35.9 | 28.2 | 42.2 |
| 65 | 18.1 | 14.0 | 21.0 |



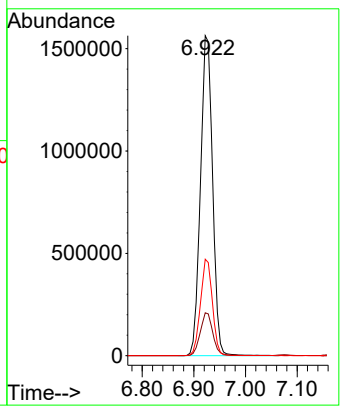


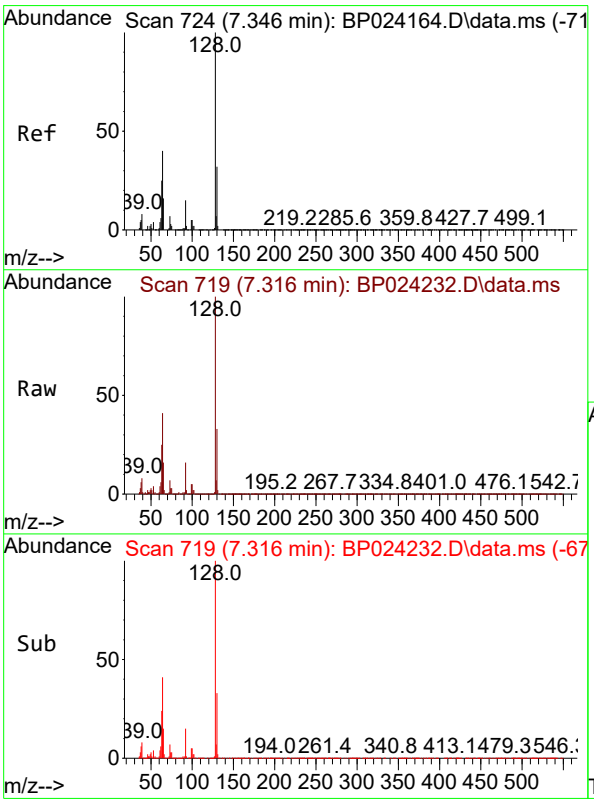

#7
Phenol-d6
Concen: 105.891 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.030 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion: 99 Resp: 2545054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.4 | 10.6 | 16.0 |
| 71 | 30.1 | 23.3 | 34.9 |

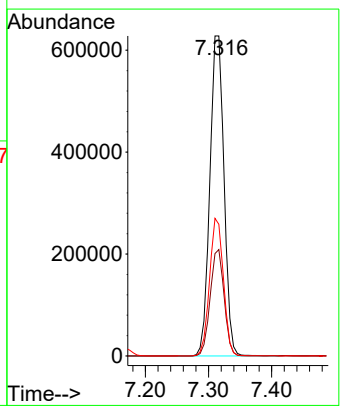


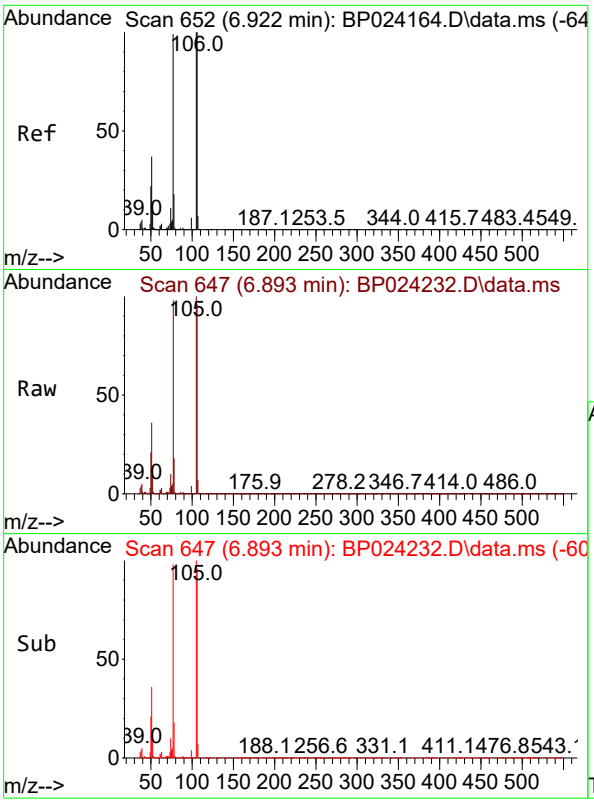




#8
2-Chlorophenol
Concen: 50.355 ng
RT: 7.316 min Scan# 719
Delta R.T. -0.030 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:128 Resp: 977587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.2 | 12.0 | 52.0 |
| 64 | 41.2 | 21.6 | 61.6 |



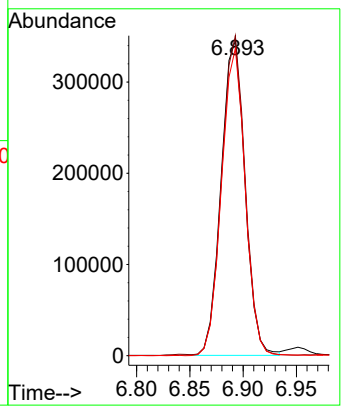


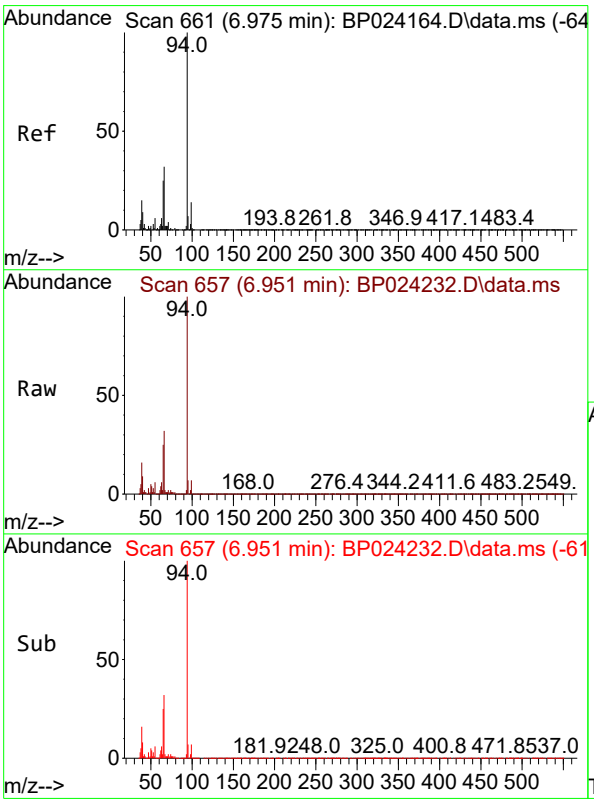

#9
Benzaldehyde
Concen: 46.311 ng
RT: 6.893 min Scan# 64
Delta R.T. -0.030 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion: 77 Resp: 537154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 101.6 | 81.4 | 121.4 |
| 106 | 97.6 | 81.1 | 121.1 |

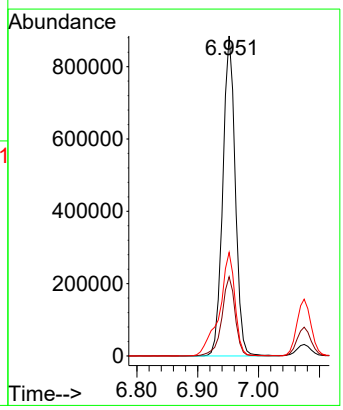


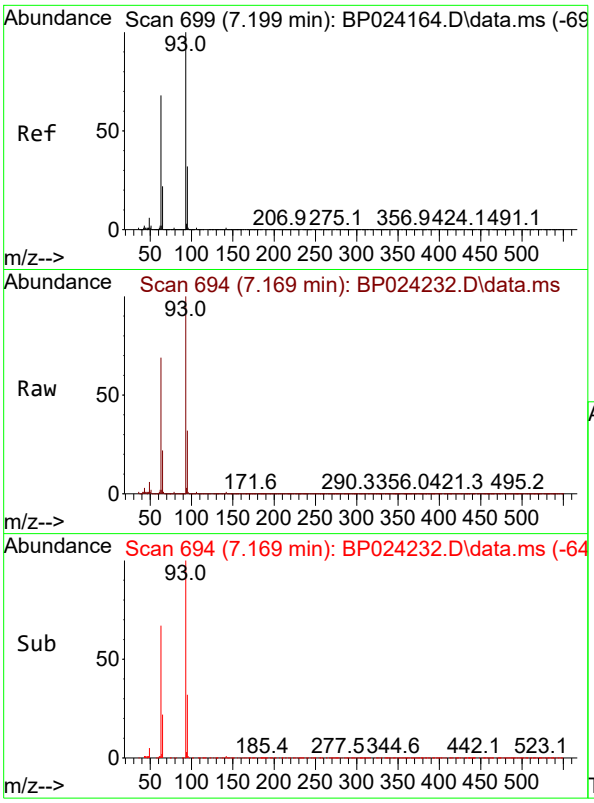




#10
Phenol
Concen: 51.807 ng
RT: 6.951 min Scan# 657
Delta R.T. -0.024 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion: 94 Resp: 1256999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 24.7 | 4.9 | 44.9 |
| 66 | 32.4 | 11.9 | 51.9 |



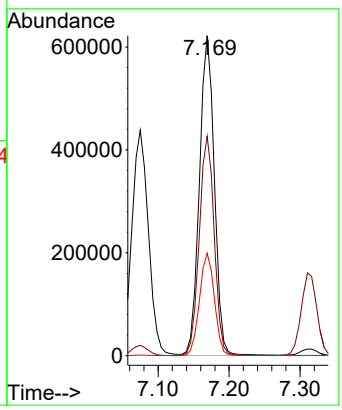


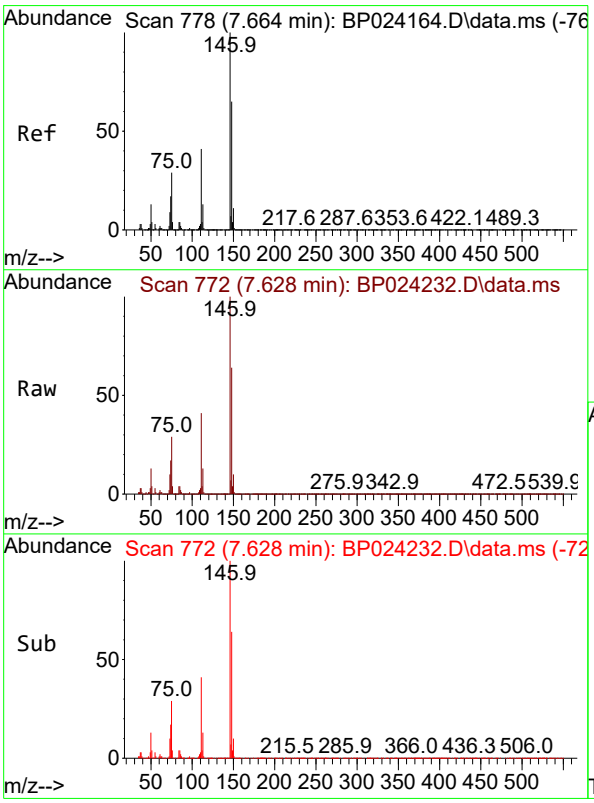

#11
bis(2-Chloroethyl)ether
Concen: 47.599 ng
RT: 7.169 min Scan# 6
Delta R.T. -0.030 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion: 93 Resp: 910757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 68.6 | 47.4 | 87.4 |
| 95 | 32.0 | 12.1 | 52.1 |

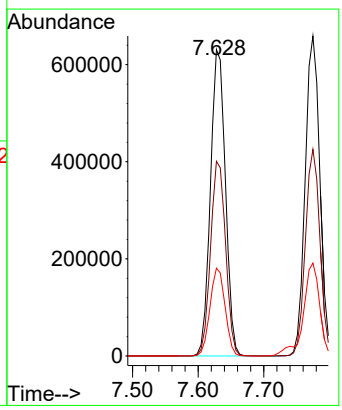


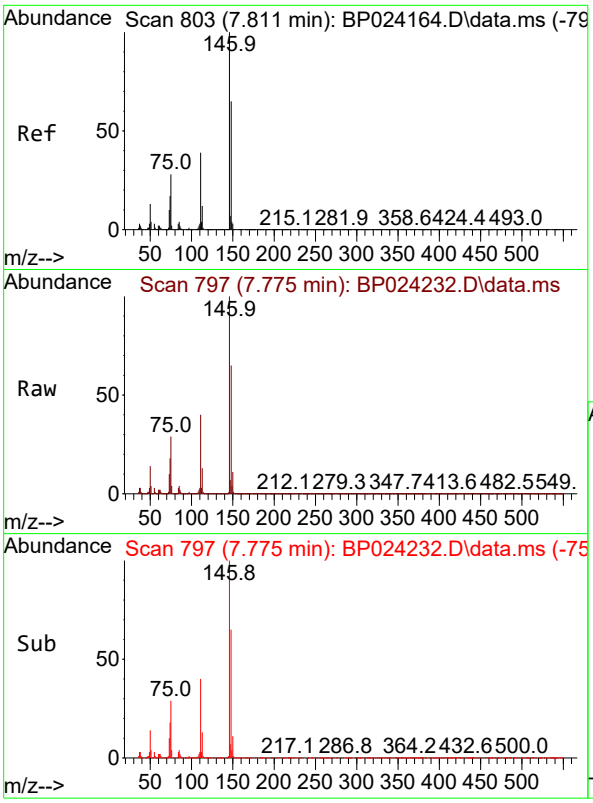




#12
1,3-Dichlorobenzene
Concen: 47.770 ng
RT: 7.628 min Scan# 772
Delta R.T. -0.036 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:146 Resp: 1000080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.5 | 51.6 | 77.4 |
| 75 | 28.7 | 22.8 | 34.2 |



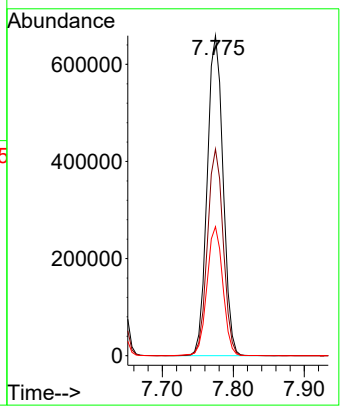


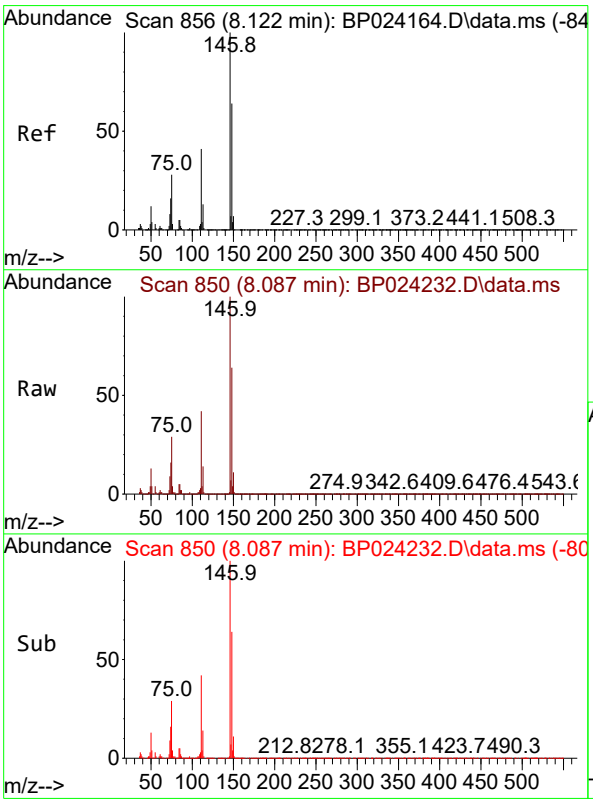

#13
1,4-Dichlorobenzene
Concen: 47.794 ng
RT: 7.775 min Scan# 7
Delta R.T. -0.036 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:146 Resp: 1021633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.5 | 51.9 | 77.9 |
| 111 | 40.3 | 31.4 | 47.2 |

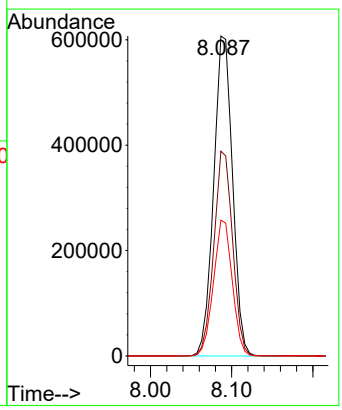


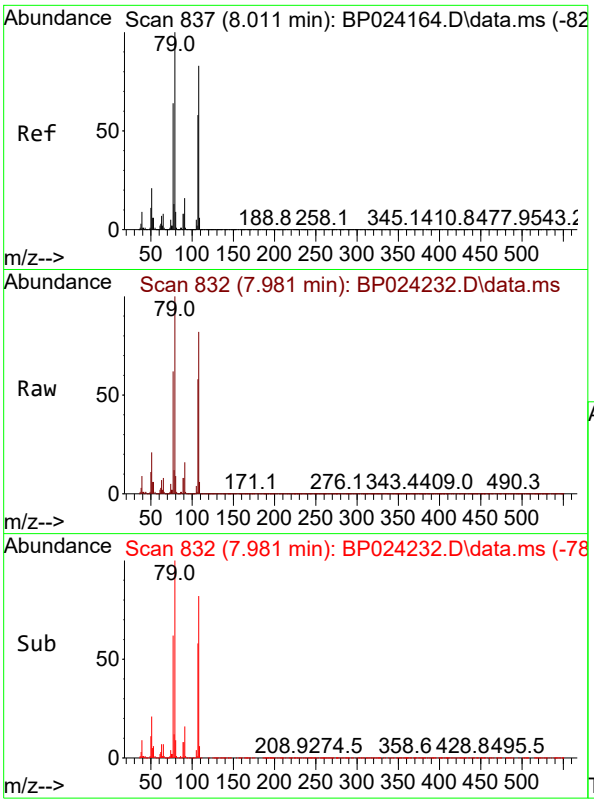




#14
1,2-Dichlorobenzene
Concen: 47.830 ng
RT: 8.087 min Scan# 850
Delta R.T. -0.036 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:146 Resp: 981103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 51.4 | 77.2 |
| 111 | 42.4 | 33.2 | 49.8 |



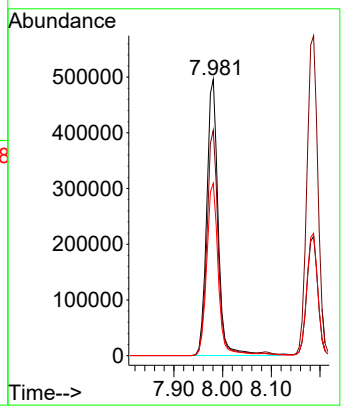


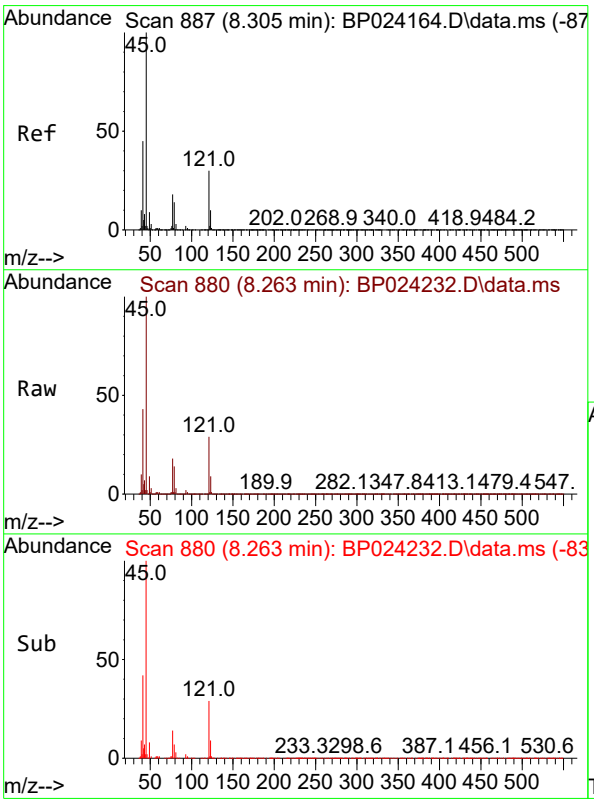

#15
Benzyl Alcohol
Concen: 52.832 ng
RT: 7.981 min Scan# 8
Delta R.T. -0.030 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion: 79 Resp: 803918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 81.6 | 66.5 | 99.7 |
| 77 | 62.4 | 50.9 | 76.3 |

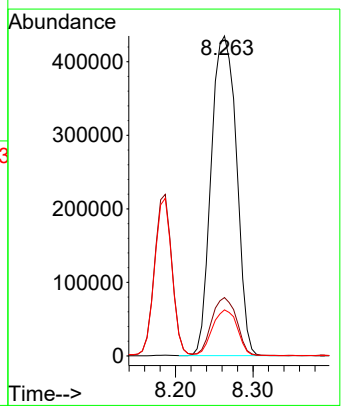


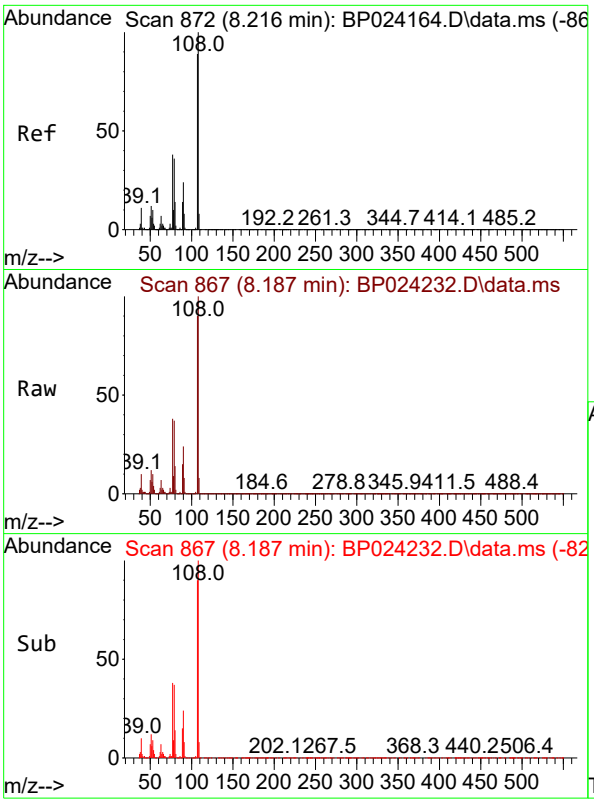




#16
2,2'-oxybis(1-Chloropropane)
Concen: 50.415 ng
RT: 8.263 min Scan# 880
Delta R.T. -0.042 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion: 45 Resp: 984526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 18.2 | 0.0 | 39.0 |
| 79 | 14.4 | 0.0 | 35.6 |



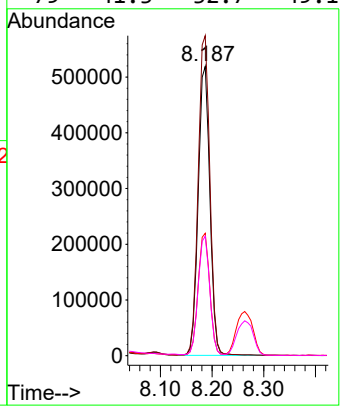


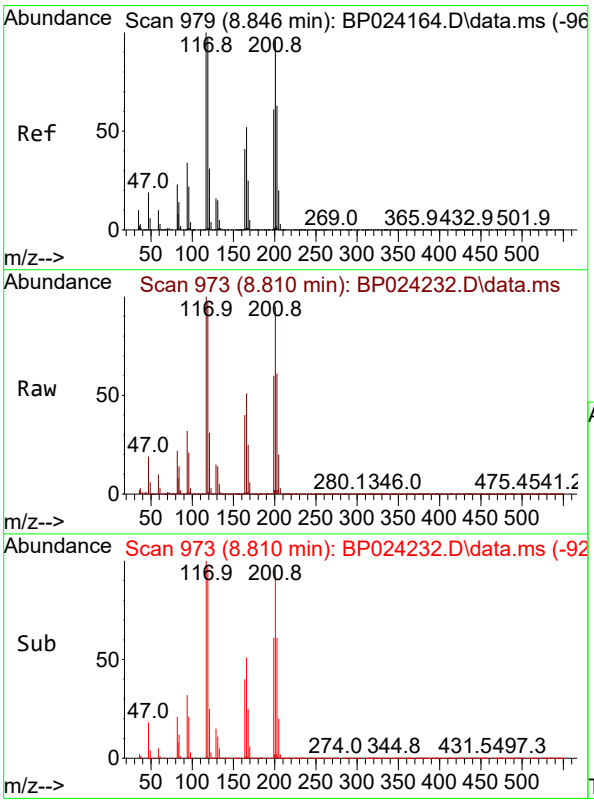

#17
2-Methylphenol
Concen: 53.399 ng
RT: 8.187 min Scan# 8
Delta R.T. -0.030 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:107 Resp: 812455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 110.6 | 90.0 | 135.0 |
| 77 | 42.3 | 34.0 | 51.0 |
| 79 | 41.3 | 32.7 | 49.1 |

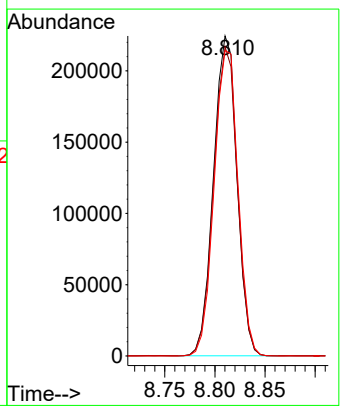


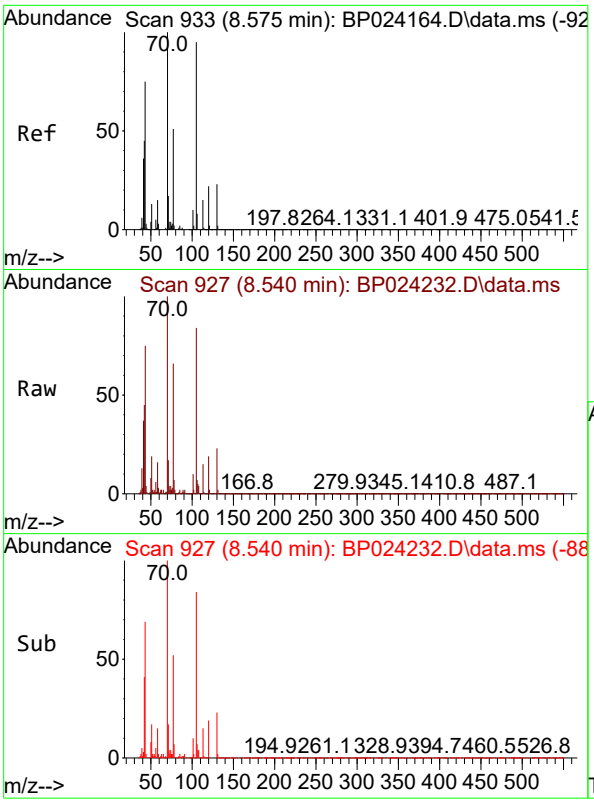




#18
Hexachloroethane
Concen: 48.428 ng
RT: 8.810 min Scan# 973
Delta R.T. -0.036 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:117 Resp: 367262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.6 | 77.4 | 116.0 |
| 201 | 95.4 | 76.6 | 114.8 |



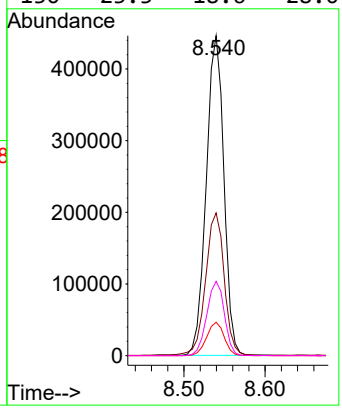


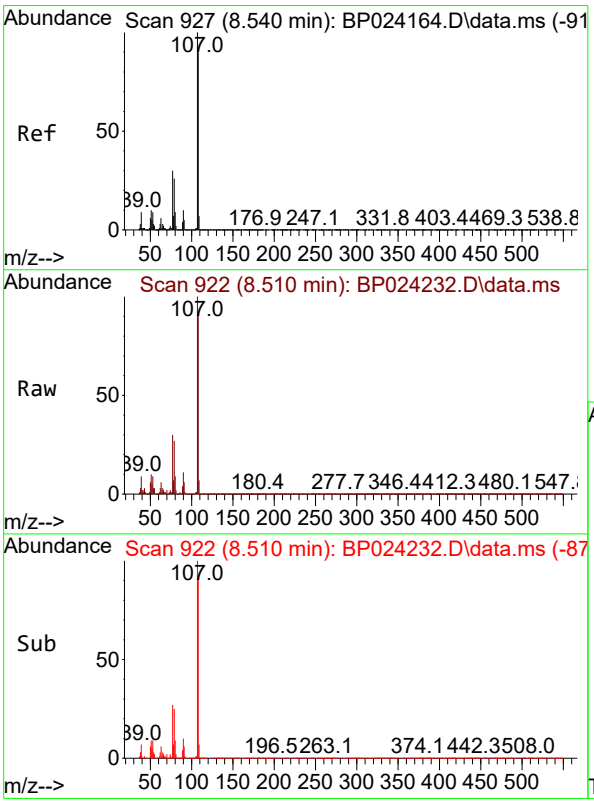

#19
n-Nitroso-di-n-propylamine
Concen: 48.176 ng
RT: 8.540 min Scan# 9
Delta R.T. -0.036 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion: 70 Resp: 671750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 44.6 | 36.0 | 54.0 |
| 101 | 10.5 | 8.3 | 12.5 |
| 130 | 23.3 | 18.6 | 28.0 |

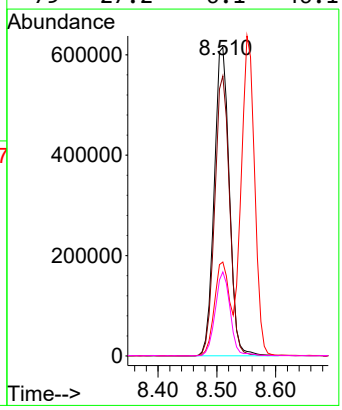


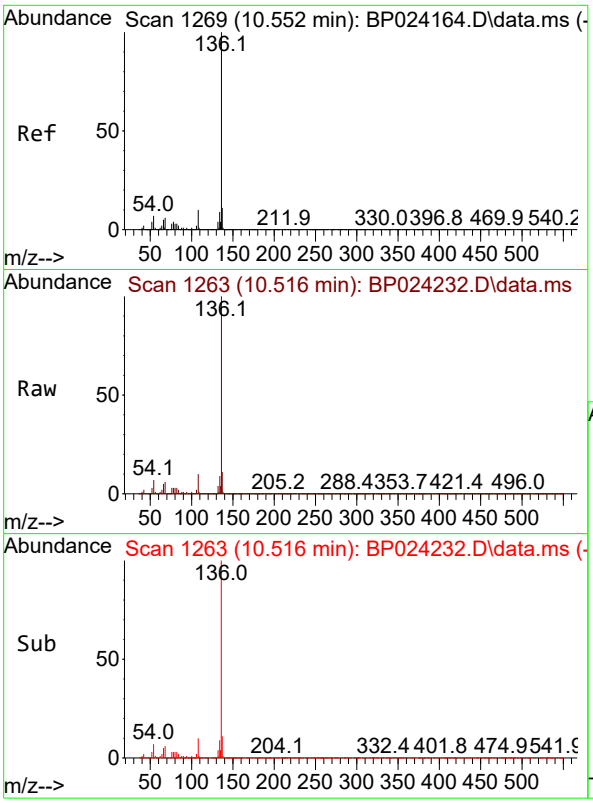




#20
3+4-Methylphenols
Concen: 52.679 ng
RT: 8.510 min Scan# 922
Delta R.T. -0.030 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:107 Resp: 1101160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.7 | 69.7 | 109.7 |
| 77 | 30.4 | 10.3 | 50.3 |
| 79 | 27.2 | 6.1 | 46.1 |



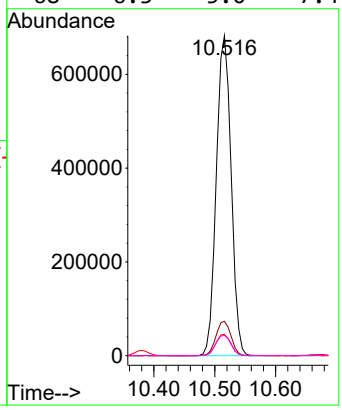


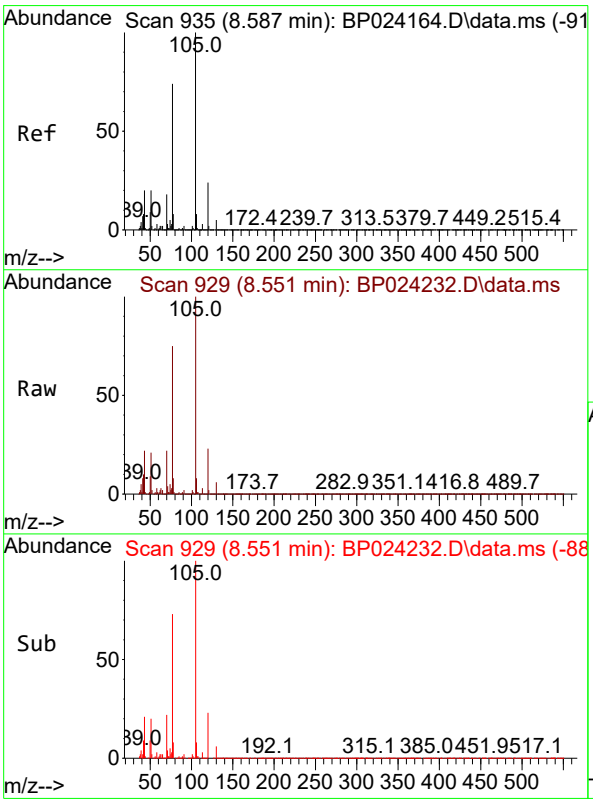

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1
Delta R.T. -0.036 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:136 Resp: 1149847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 9.0 | 13.4 |
| 54 | 6.6 | 5.3 | 7.9 |
| 68 | 6.3 | 5.0 | 7.4 |

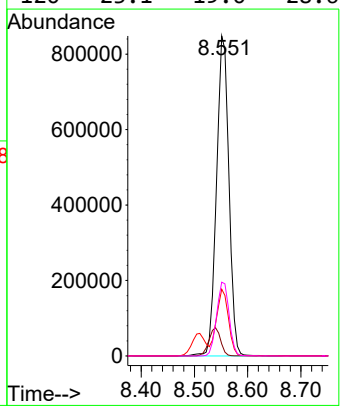


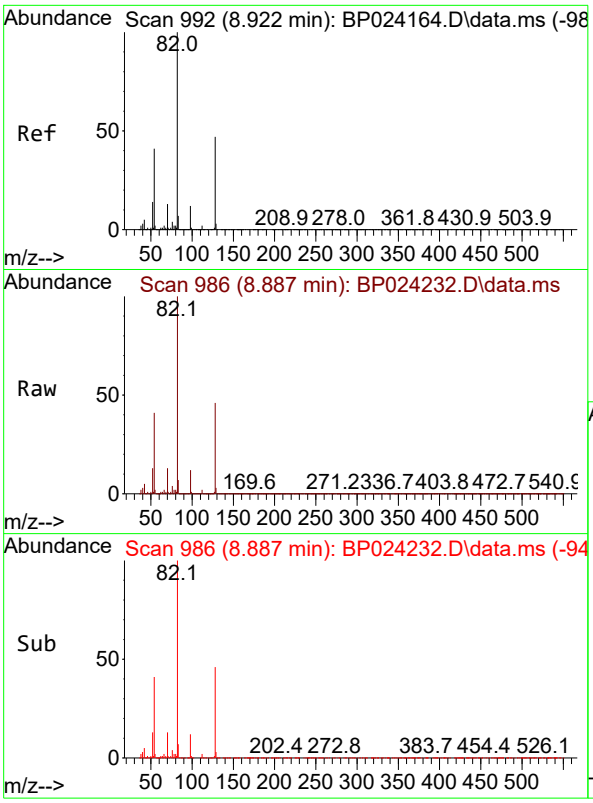




#22
Acetophenone
Concen: 47.081 ng
RT: 8.551 min Scan# 929
Delta R.T. -0.036 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:105 Resp: 1368679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 3.7 | 2.4 | 3.6# |
| 51 | 20.8 | 16.2 | 24.2 |
| 120 | 23.1 | 19.0 | 28.6 |



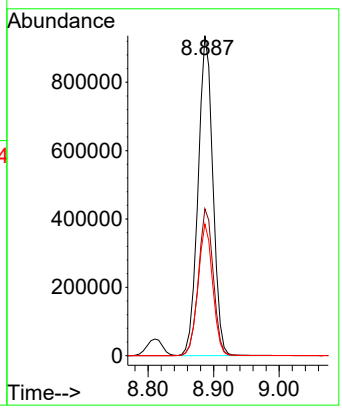


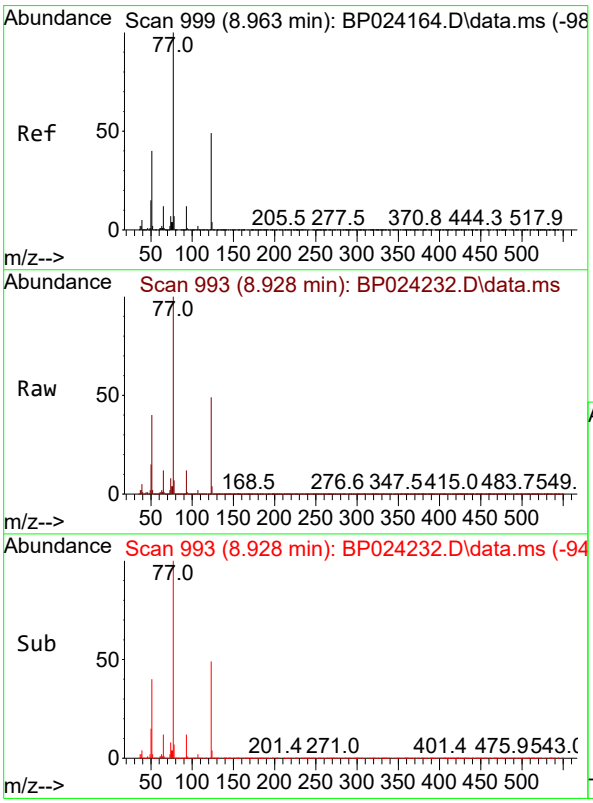

#23
Nitrobenzene-d5
Concen: 72.097 ng
RT: 8.887 min Scan# 9
Delta R.T. -0.036 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion: 82 Resp: 1469315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.9 | 37.4 | 56.0 |
| 54 | 41.2 | 32.5 | 48.7 |

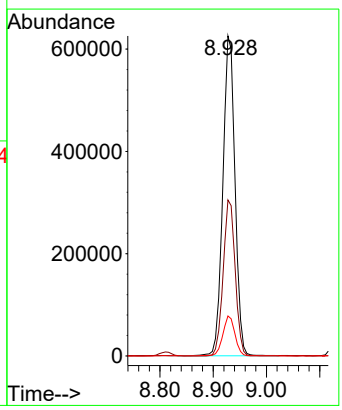


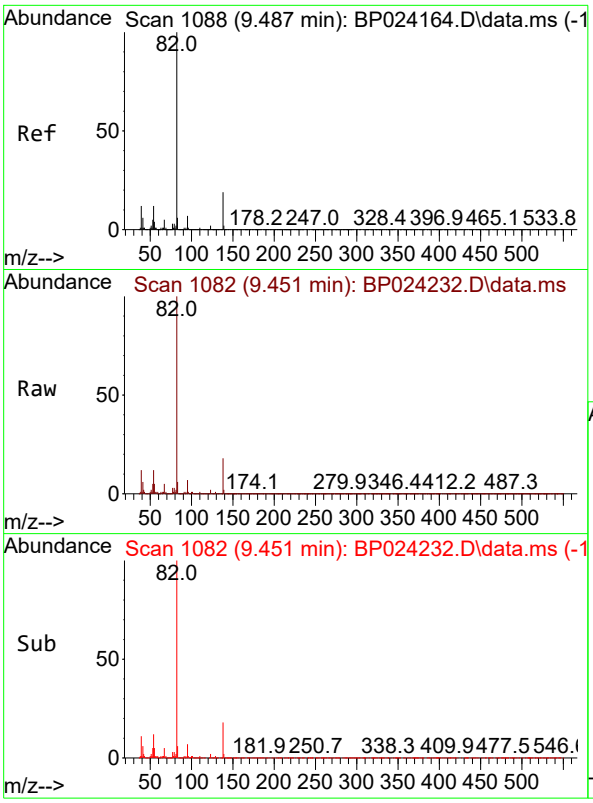




#24
Nitrobenzene
Concen: 49.240 ng
RT: 8.928 min Scan# 993
Delta R.T. -0.036 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion: 77 Resp: 989940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 48.8 | 39.4 | 59.2 |
| 65 | 12.5 | 9.9 | 14.9 |



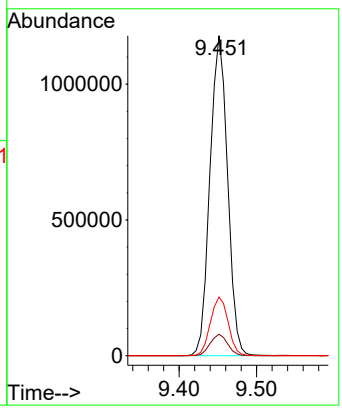


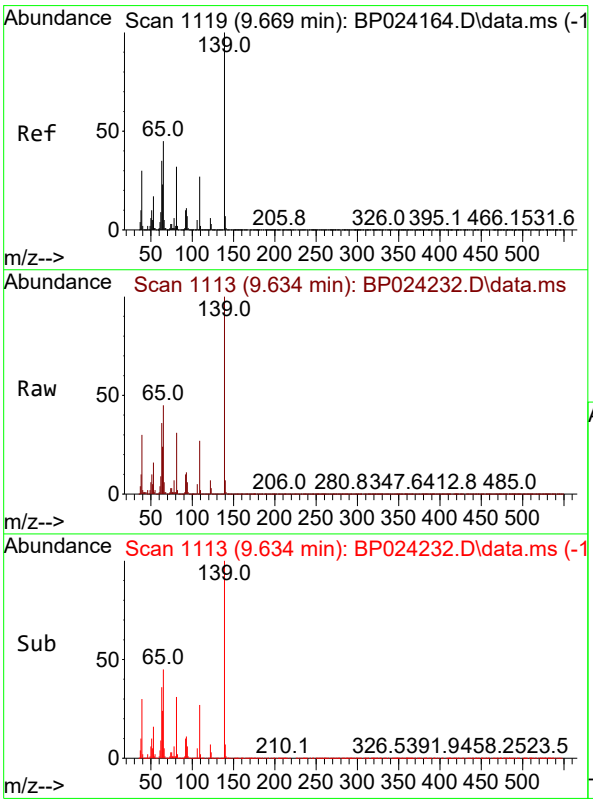

#25
Isophorone
Concen: 53.151 ng
RT: 9.451 min Scan# 1
Delta R.T. -0.036 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion: 82 Resp: 1856824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.7 | 5.3 | 7.9 |
| 138 | 18.3 | 14.8 | 22.2 |

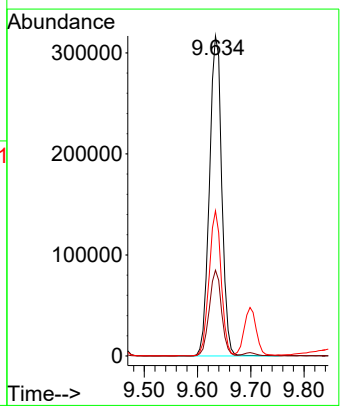


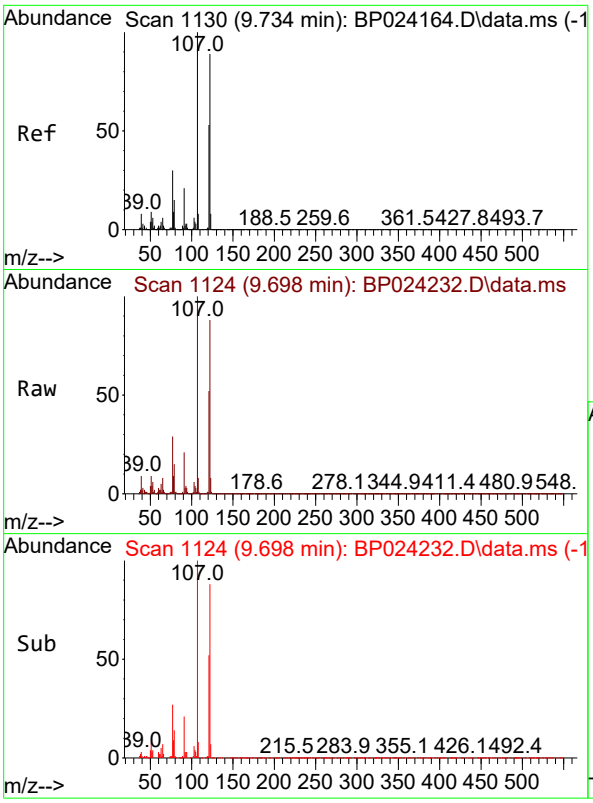




#26
2-Nitrophenol
Concen: 52.975 ng
RT: 9.634 min Scan# 1113
Delta R.T. -0.036 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:139 Resp: 508733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 26.8 | 21.7 | 32.5 |
| 65 | 45.4 | 35.8 | 53.8 |



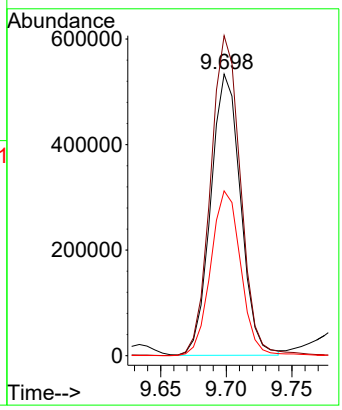


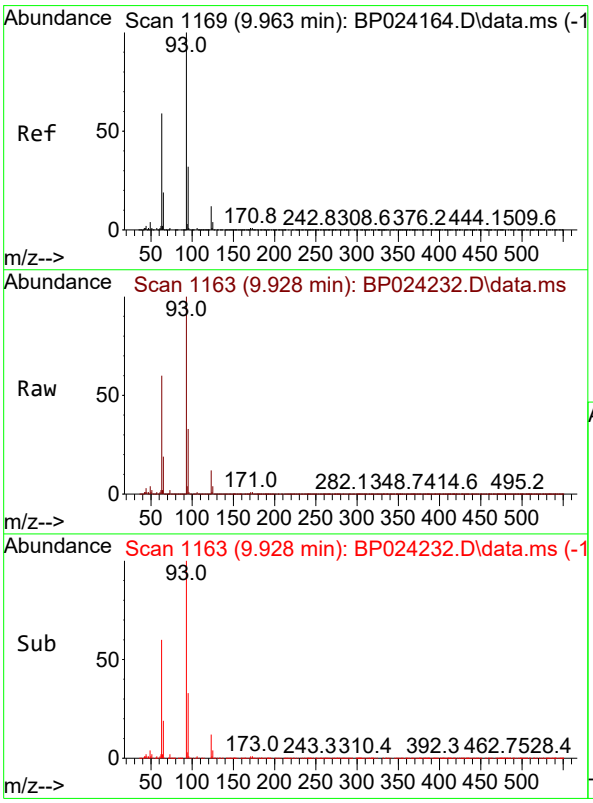

#27
2,4-Dimethylphenol
Concen: 68.341 ng
RT: 9.698 min Scan# 11
Delta R.T. -0.036 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:122 Resp: 843916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 113.6 | 89.3 | 133.9 |
| 121 | 58.5 | 47.5 | 71.3 |

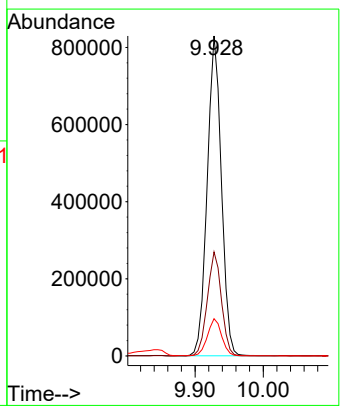


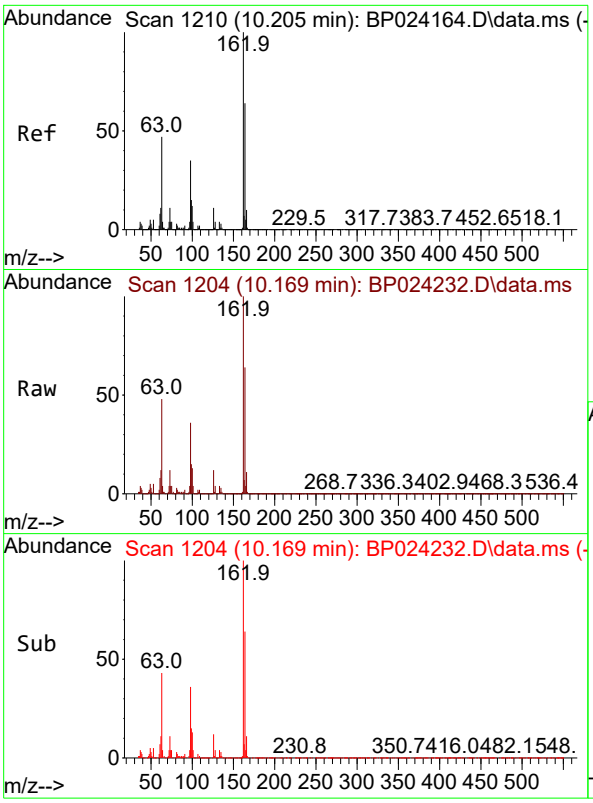




#28
bis(2-Chloroethoxy)methane
Concen: 48.863 ng
RT: 9.928 min Scan# 1163
Delta R.T. -0.036 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion: 93 Resp: 1200865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.5 | 25.9 | 38.9 |
| 123 | 11.7 | 9.5 | 14.3 |



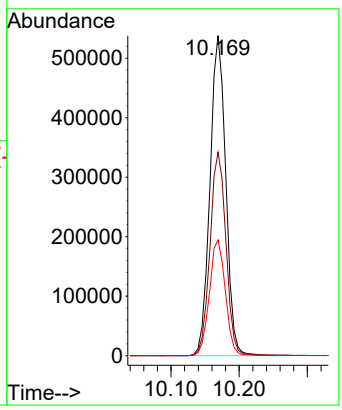


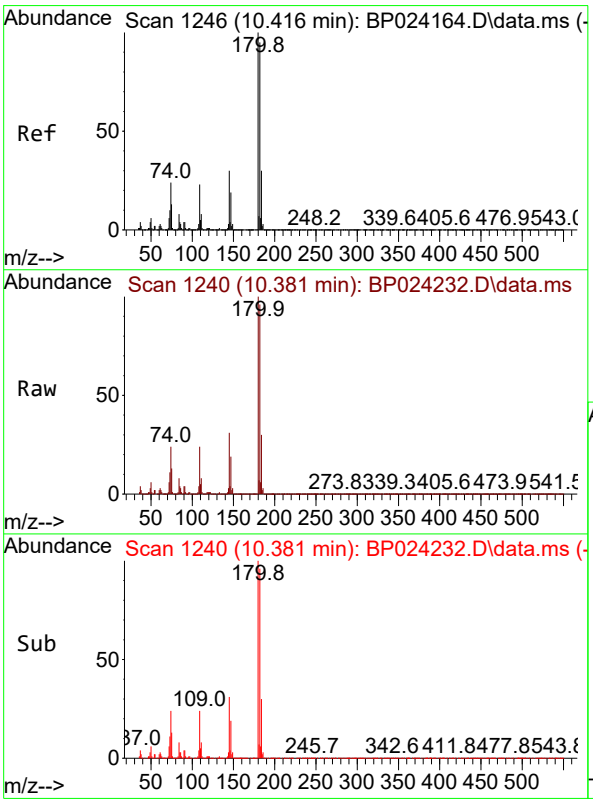

#29
2,4-Dichlorophenol
Concen: 51.897 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.036 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:162 Resp: 866930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.6 | 44.2 | 84.2 |
| 98 | 36.2 | 15.1 | 55.1 |

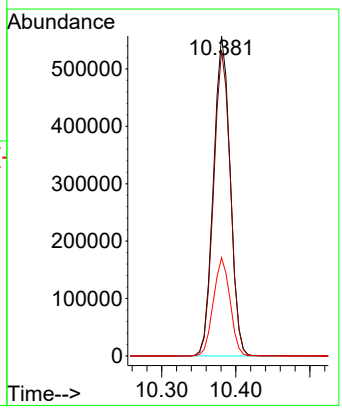


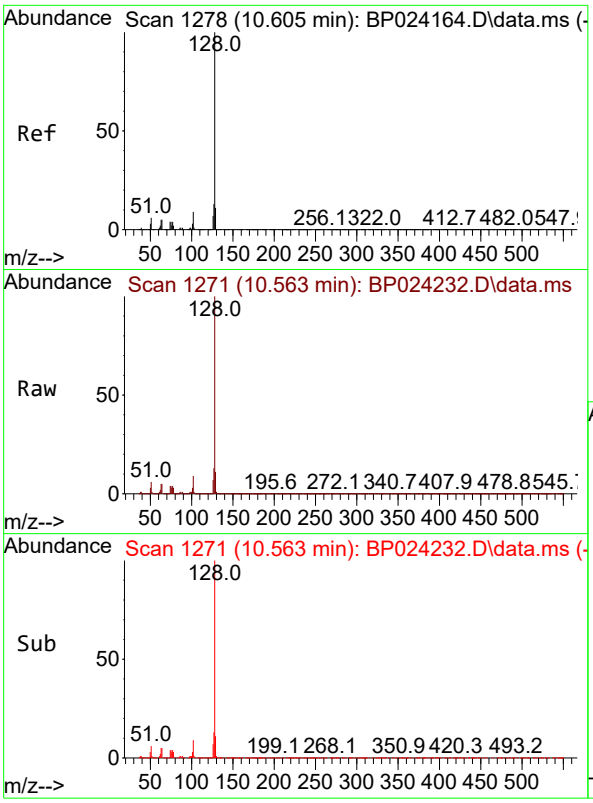




#30
1,2,4-Trichlorobenzene
Concen: 47.256 ng
RT: 10.381 min Scan# 1240
Delta R.T. -0.036 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:180 Resp: 872159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 76.1 | 114.1 |
| 145 | 30.7 | 24.2 | 36.2 |



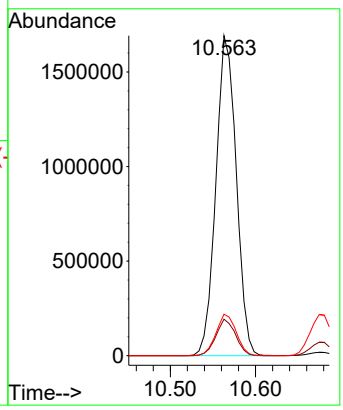


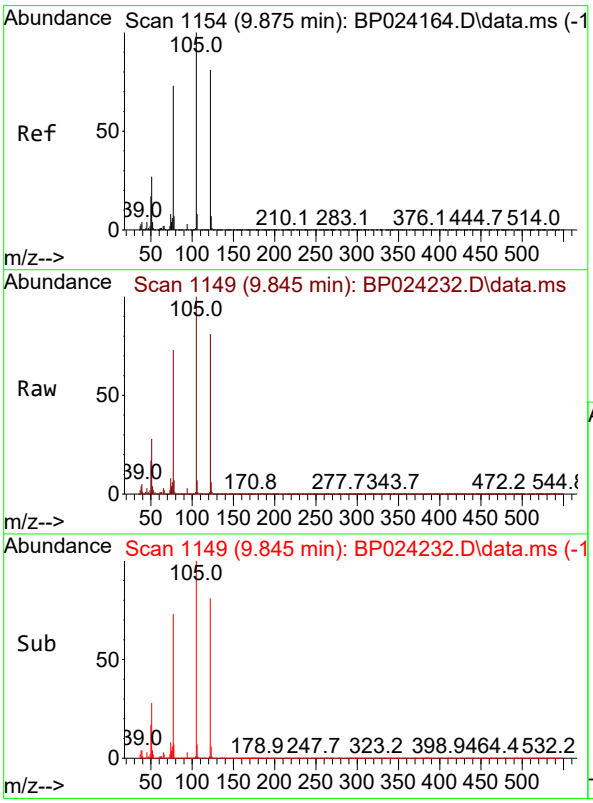

#31
Naphthalene
Concen: 46.184 ng
RT: 10.563 min Scan# 1
Delta R.T. -0.042 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:128 Resp: 2815023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.4 | 8.7 | 13.1 |
| 127 | 13.0 | 10.4 | 15.6 |

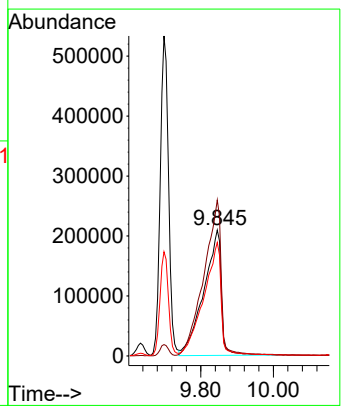


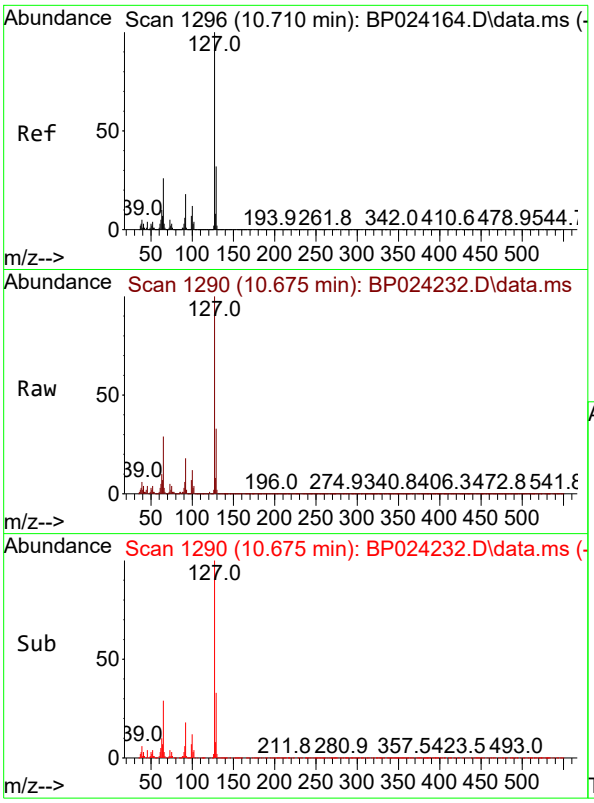




#32
Benzoic acid
Concen: 58.361 ng
RT: 9.845 min Scan# 1149
Delta R.T. -0.030 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:122 Resp: 702851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 123.9 | 100.3 | 140.3 |
| 77 | 90.0 | 69.1 | 109.1 |



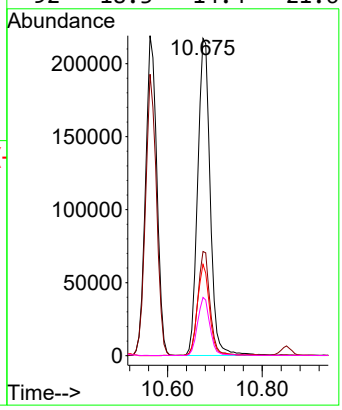


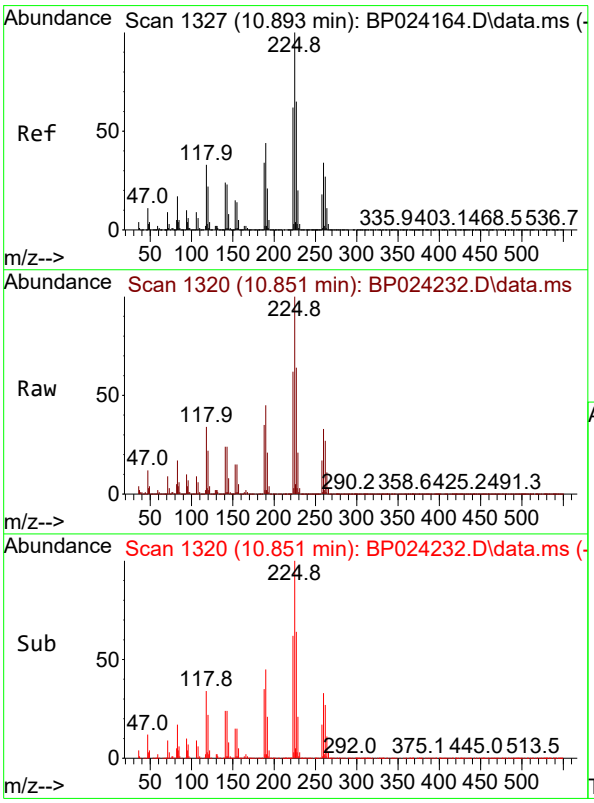

#33
4-Chloroaniline
Concen: 18.193 ng
RT: 10.675 min Scan# 1
Delta R.T. -0.036 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:127 Resp: 396843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.8 | 25.8 | 38.6 |
| 65 | 28.8 | 21.2 | 31.8 |
| 92 | 18.3 | 14.4 | 21.6 |

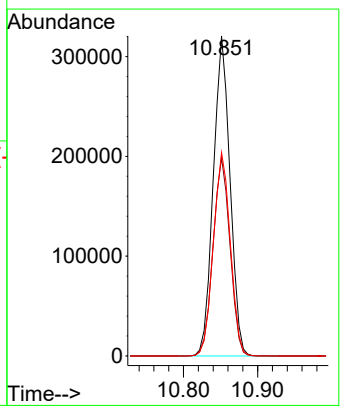


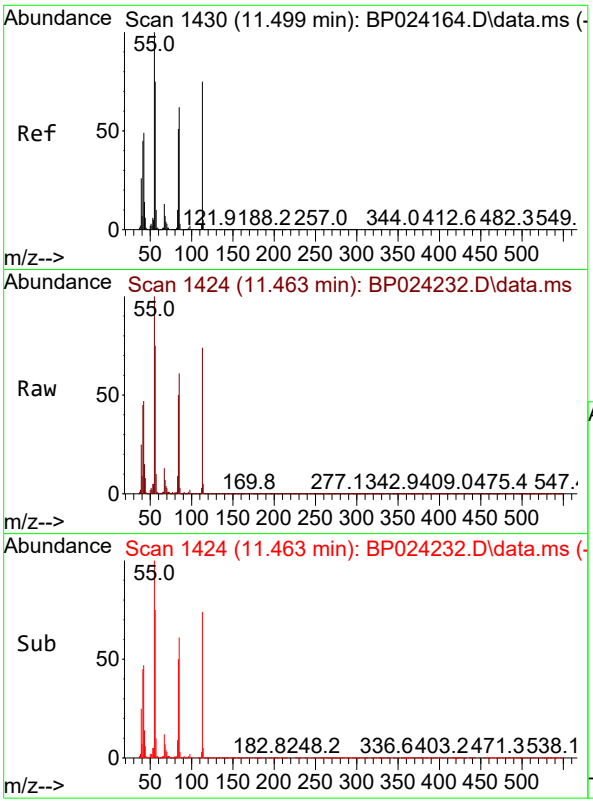




#34
Hexachlorobutadiene
Concen: 47.250 ng
RT: 10.851 min Scan# 1320
Delta R.T. -0.042 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:225 Resp: 501884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.9 | 49.9 | 74.9 |
| 227 | 63.6 | 52.2 | 78.2 |



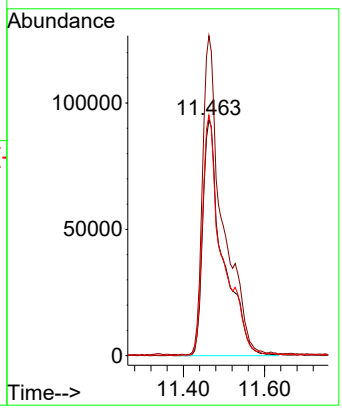


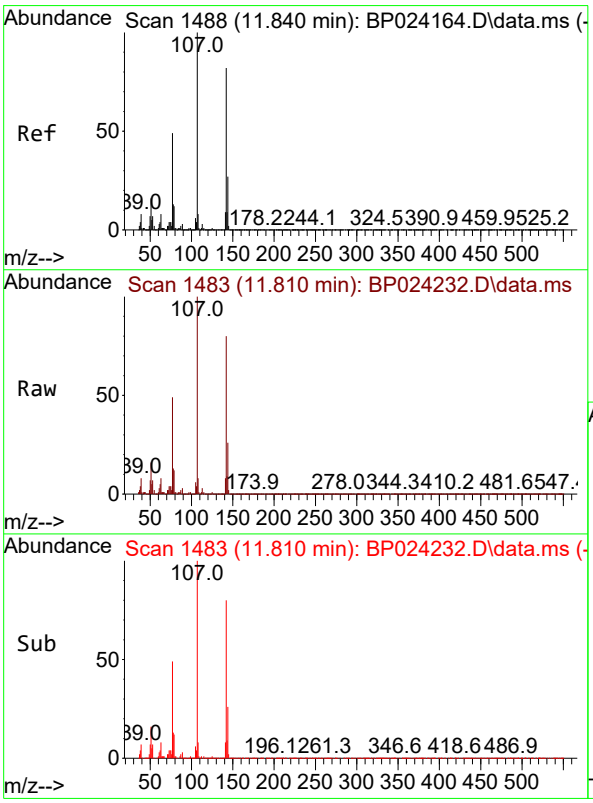

#35
Caprolactam
Concen: 57.912 ng
RT: 11.463 min Scan# 14
Delta R.T. -0.036 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:113 Resp: 317058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 135.6 | 113.6 | 153.6 |
| 56 | 101.9 | 80.0 | 120.0 |

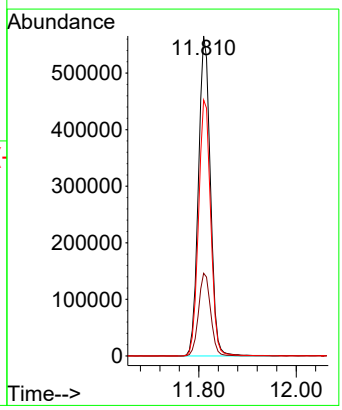


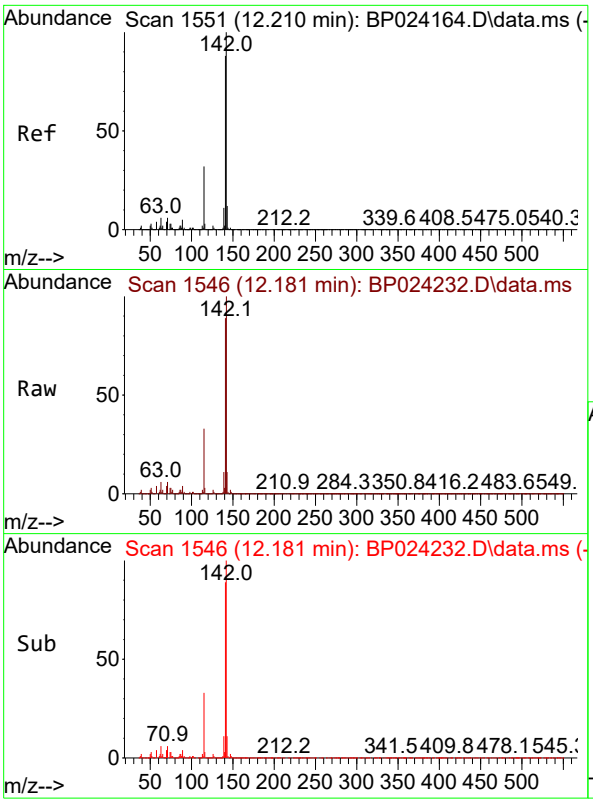




#36
4-Chloro-3-methylphenol
Concen: 53.509 ng
RT: 11.810 min Scan# 1483
Delta R.T. -0.030 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:107 Resp: 964274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.9 | 21.6 | 32.4 |
| 142 | 80.0 | 65.4 | 98.0 |



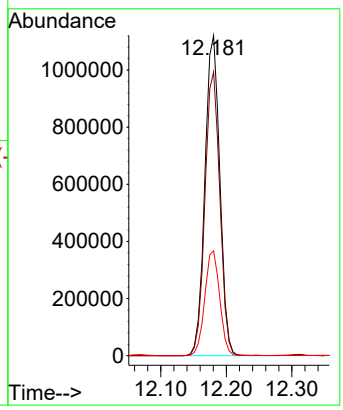


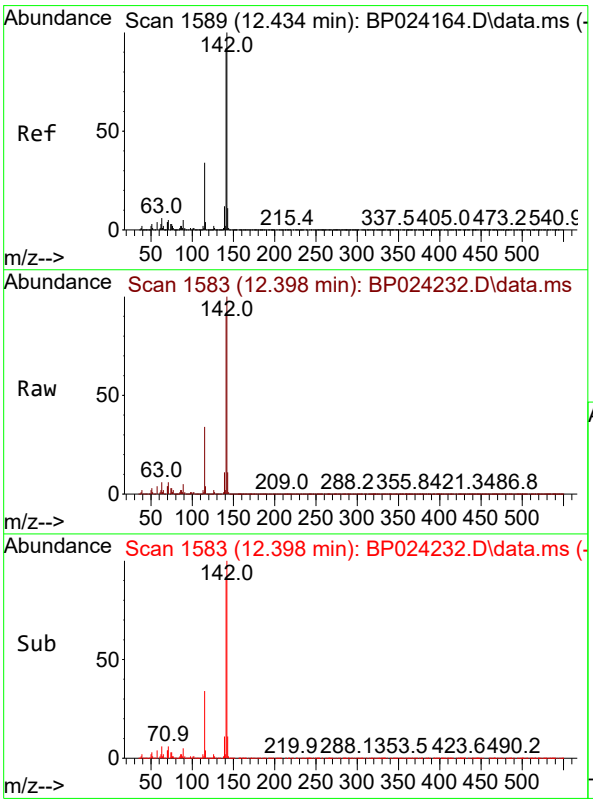

#37
2-Methylnaphthalene
Concen: 43.082 ng
RT: 12.181 min Scan# 1
Delta R.T. -0.030 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:142 Resp: 1774016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.7 | 70.3 | 105.5 |
| 115 | 32.8 | 26.0 | 39.0 |

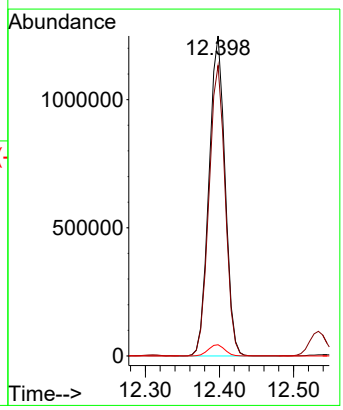


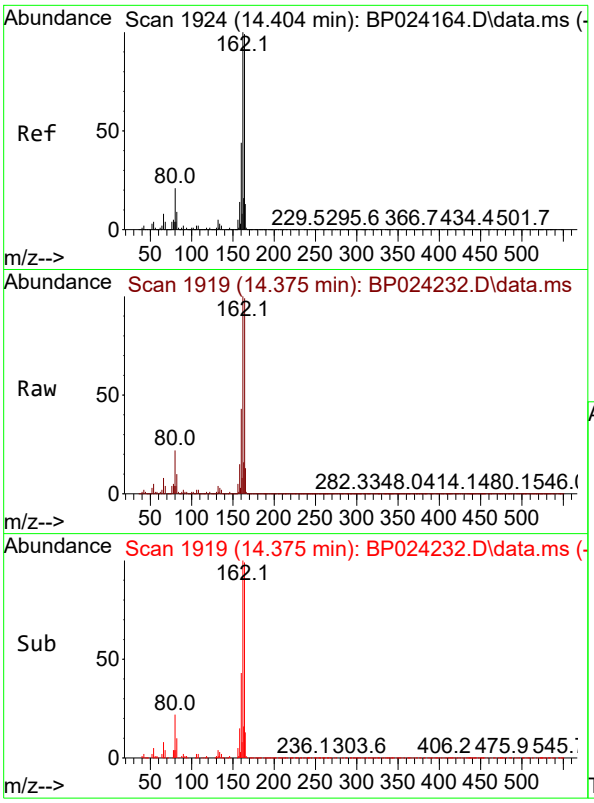




#38
1-Methylnaphthalene
Concen: 46.957 ng
RT: 12.398 min Scan# 1583
Delta R.T. -0.036 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:142 Resp: 1880682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.8 | 73.9 | 110.9 |
| 116 | 3.5 | 2.8 | 4.2 |



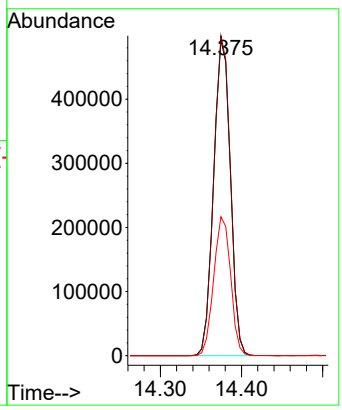


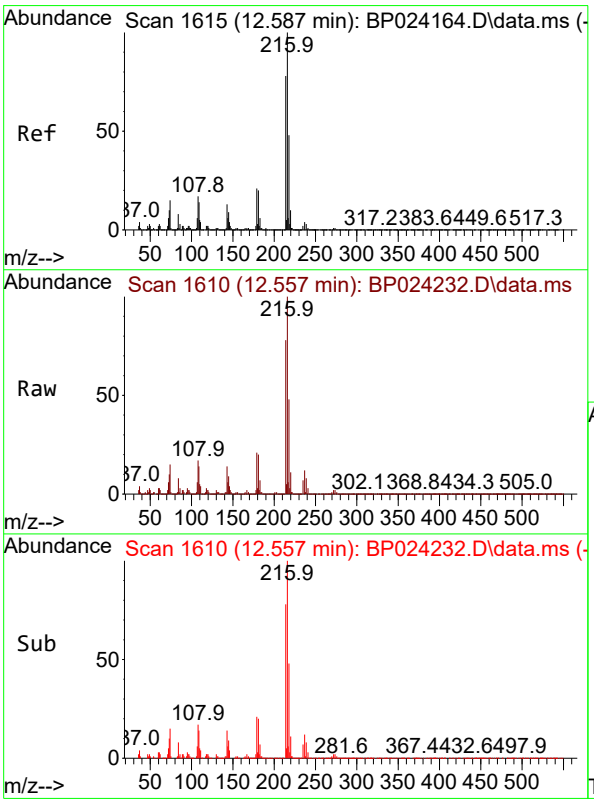

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.375 min Scan# 1
Delta R.T. -0.030 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:164 Resp: 708393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.5 | 80.6 | 121.0 |
| 160 | 44.1 | 35.4 | 53.2 |

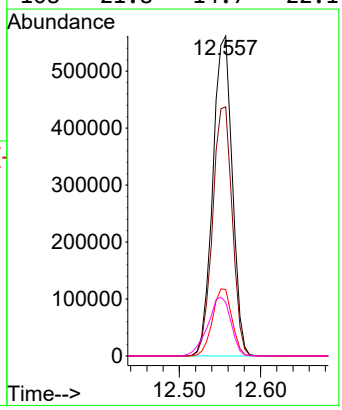


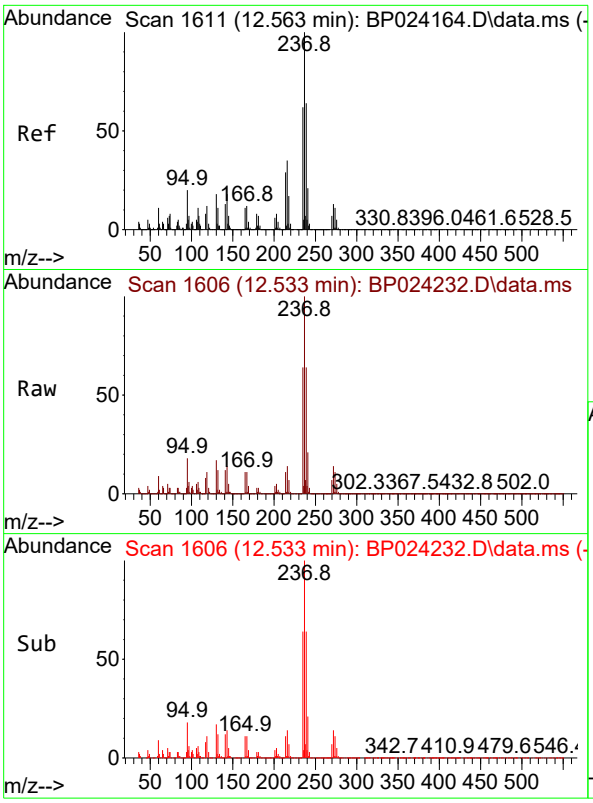




#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.744 ng
RT: 12.557 min Scan# 1610
Delta R.T. -0.030 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:216 Resp: 936735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.6 | 62.8 | 94.2 |
| 179 | 21.0 | 16.8 | 25.2 |
| 108 | 21.8 | 14.7 | 22.1 |



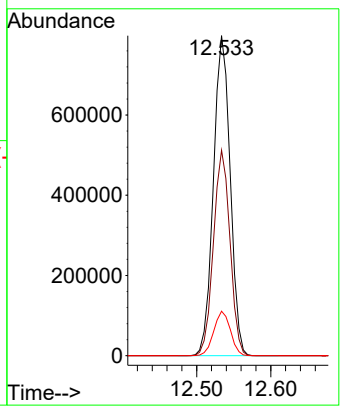


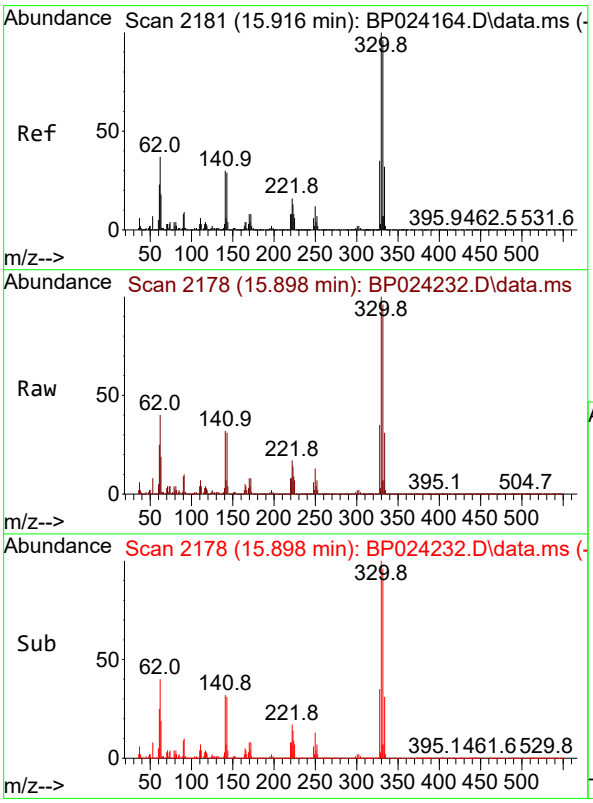

#41
Hexachlorocyclopentadiene
Concen: 169.622 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.030 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:237 Resp: 1252054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 64.2 | 41.8 | 81.8 |
| 272 | 13.9 | 0.0 | 33.5 |

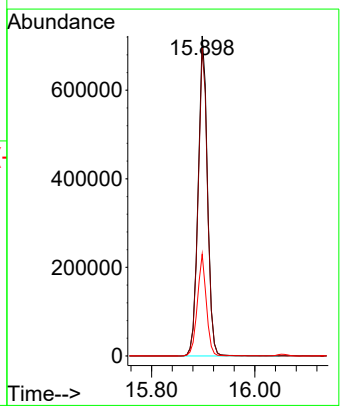


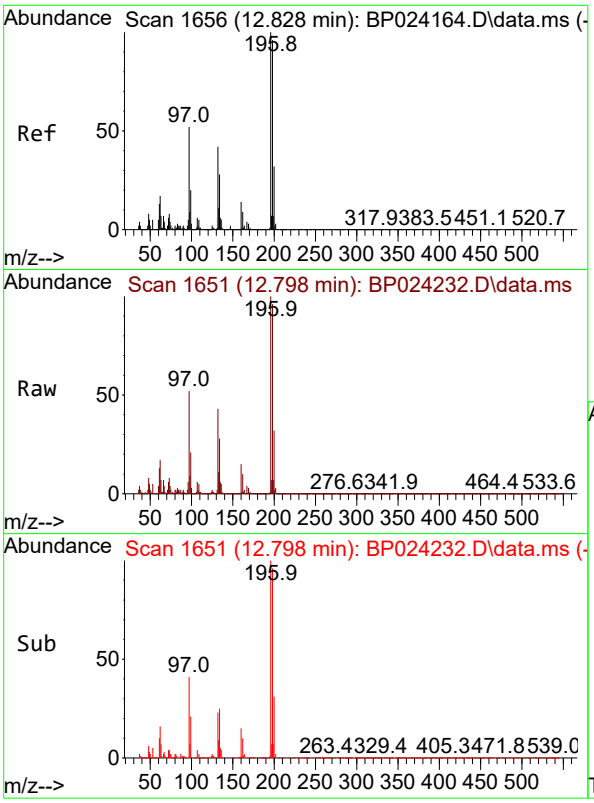




#42
2,4,6-Tribromophenol
Concen: 101.268 ng
RT: 15.898 min Scan# 2178
Delta R.T. -0.018 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:330 Resp: 903624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 77.6 | 116.4 |
| 141 | 30.5 | 25.0 | 37.6 |



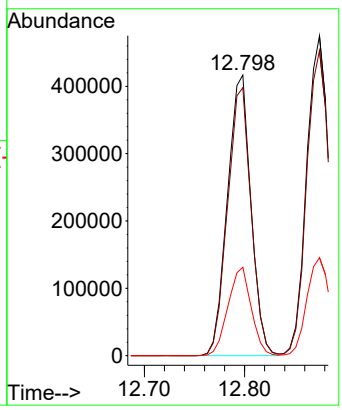


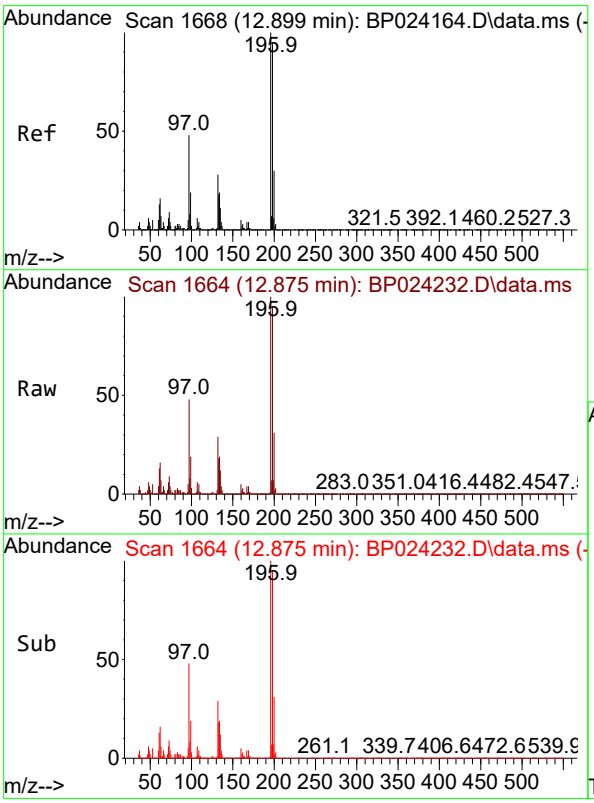

#43
2,4,6-Trichlorophenol
Concen: 52.249 ng
RT: 12.798 min Scan# 1
Delta R.T. -0.030 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:196 Resp: 679967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.5 | 76.6 | 115.0 |
| 200 | 31.5 | 25.4 | 38.0 |

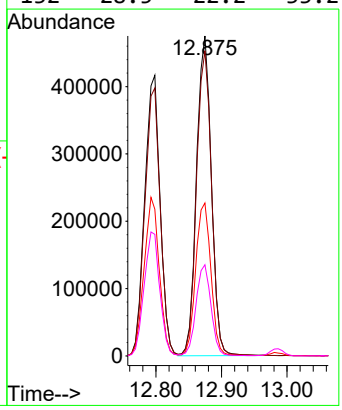


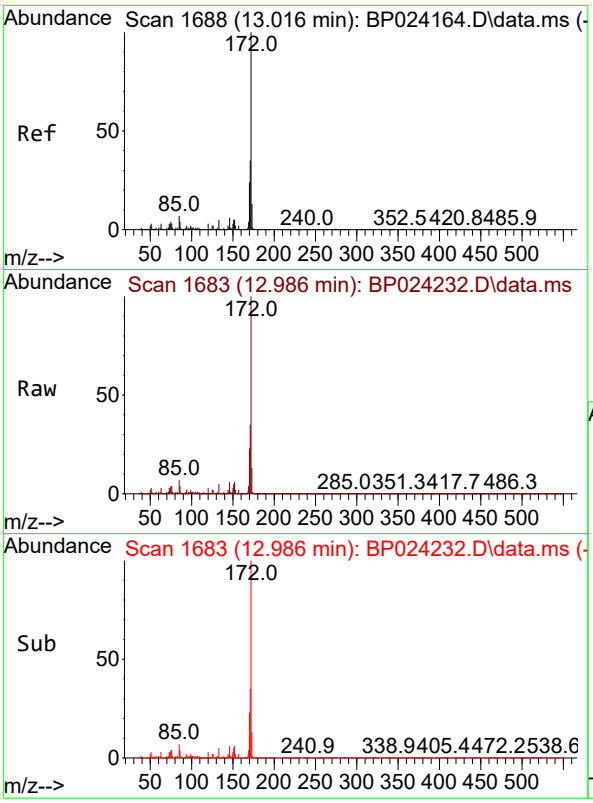




#44
2,4,5-Trichlorophenol
Concen: 52.596 ng
RT: 12.875 min Scan# 1664
Delta R.T. -0.024 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:196 Resp: 750647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.4 | 76.5 | 114.7 |
| 97 | 47.8 | 38.7 | 58.1 |
| 132 | 28.5 | 22.2 | 33.2 |



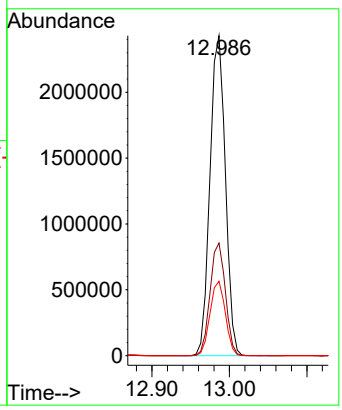


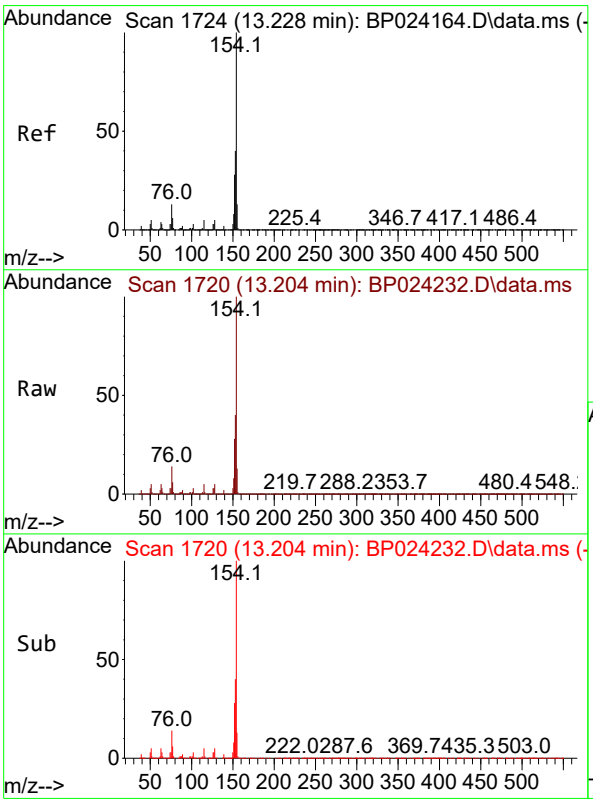

#45
2-Fluorobiphenyl
Concen: 69.774 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.030 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:172 Resp: 3352065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 28.3 | 42.5 |
| 170 | 23.3 | 19.0 | 28.4 |

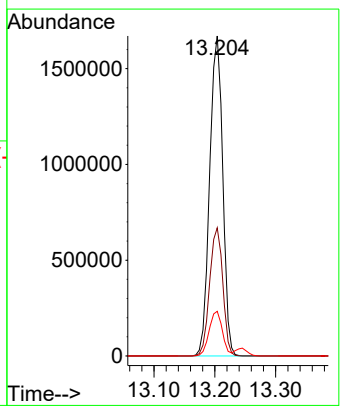


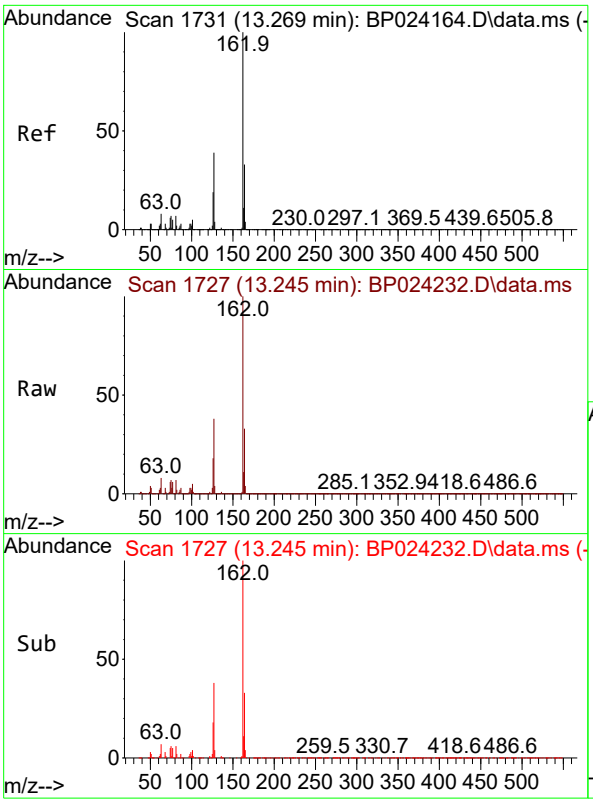




#46
1,1'-Biphenyl
Concen: 46.775 ng
RT: 13.204 min Scan# 1720
Delta R.T. -0.024 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:154 Resp: 2489932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.0 | 20.3 | 60.3 |
| 76 | 14.0 | 0.0 | 32.9 |



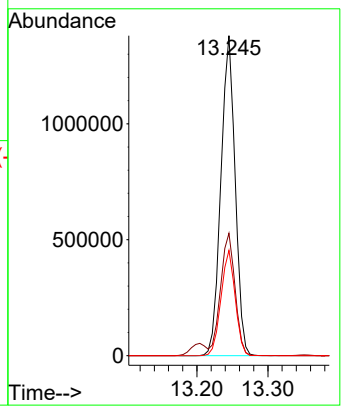


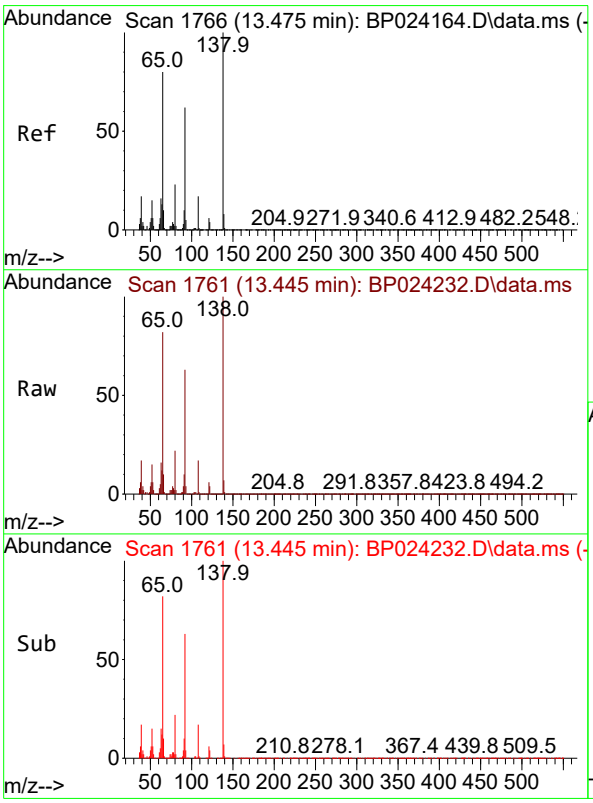

#47
2-Chloronaphthalene
Concen: 47.898 ng
RT: 13.245 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:162 Resp: 1917821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 38.3 | 31.5 | 47.3 |
| 164 | 32.9 | 26.6 | 39.8 |

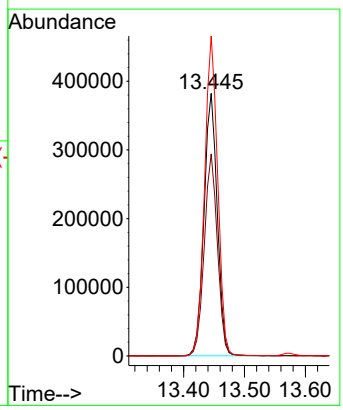


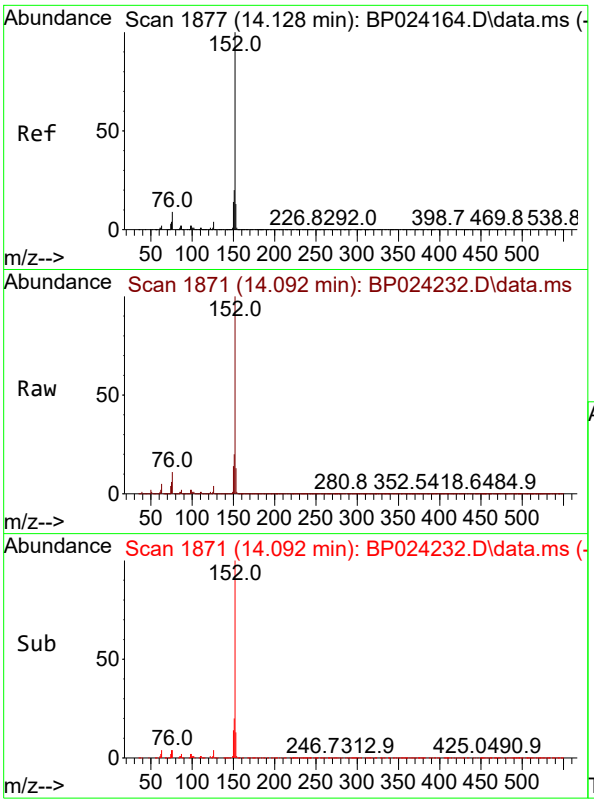




#48
2-Nitroaniline
Concen: 56.728 ng
RT: 13.445 min Scan# 1761
Delta R.T. -0.030 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion: 65 Resp: 580959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 77.0 | 62.1 | 93.1 |
| 138 | 121.9 | 99.5 | 149.3 |



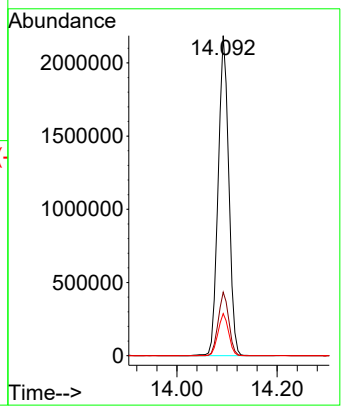


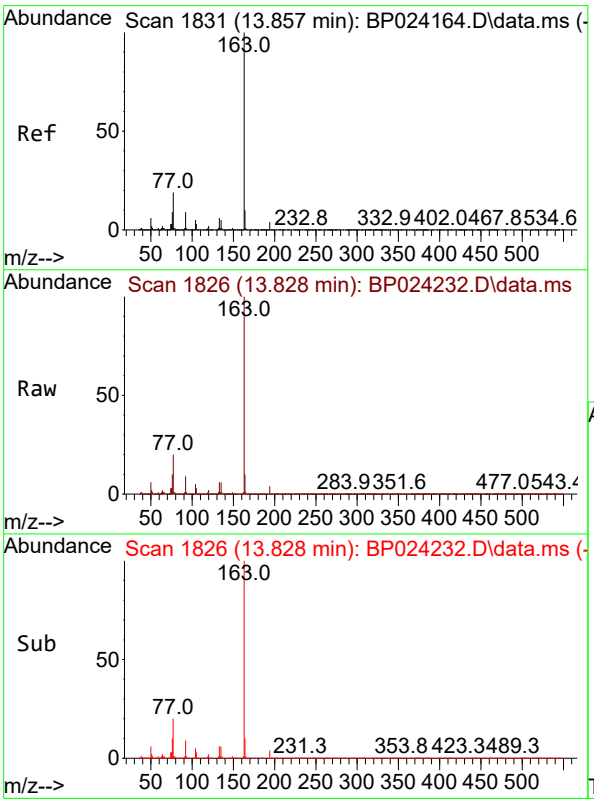

#49
Acenaphthylene
Concen: 52.812 ng
RT: 14.092 min Scan# 1
Delta R.T. -0.036 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:152 Resp: 3199619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.9 | 16.0 | 24.0 |
| 153 | 13.2 | 10.6 | 15.8 |

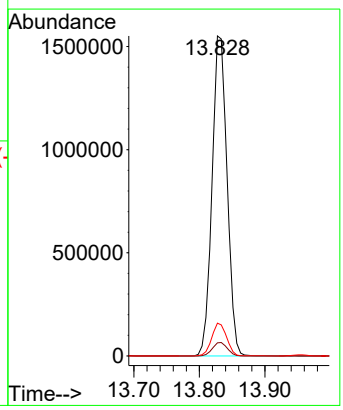


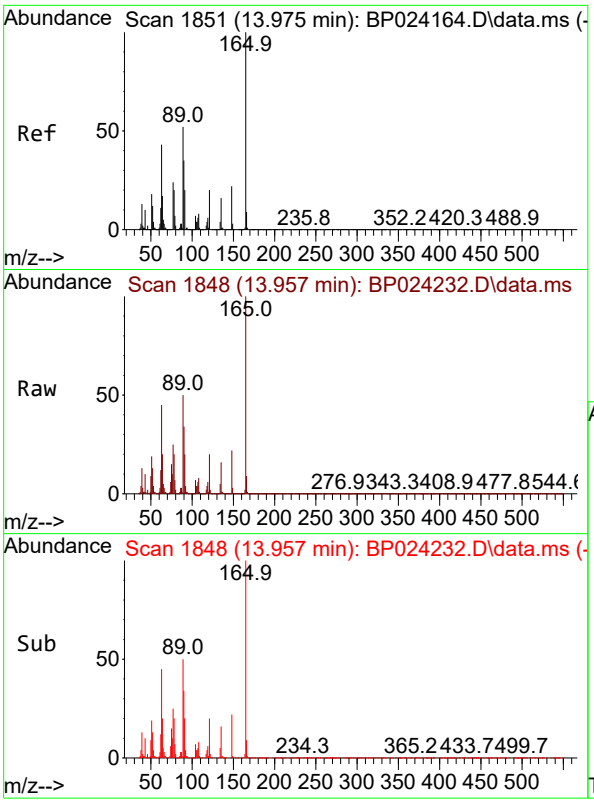




#50
Dimethylphthalate
Concen: 49.732 ng
RT: 13.828 min Scan# 1826
Delta R.T. -0.030 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:163 Resp: 2465120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.4 | 5.0 |
| 164 | 10.3 | 8.2 | 12.4 |



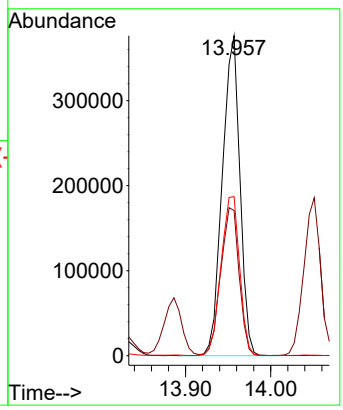


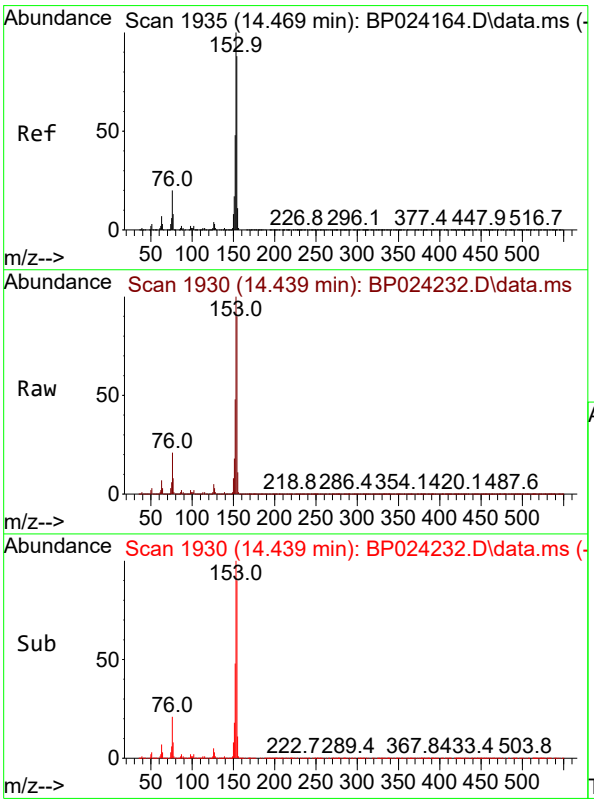

#51
2,6-Dinitrotoluene
Concen: 51.730 ng
RT: 13.957 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:165 Resp: 539503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 45.3 | 37.7 | 56.5 |
| 89 | 49.7 | 41.9 | 62.9 |

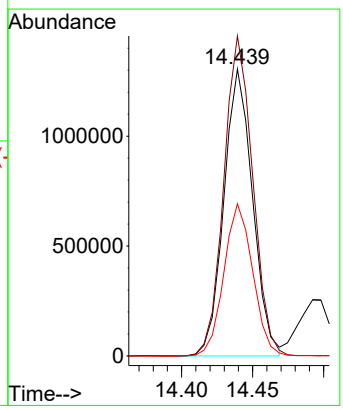


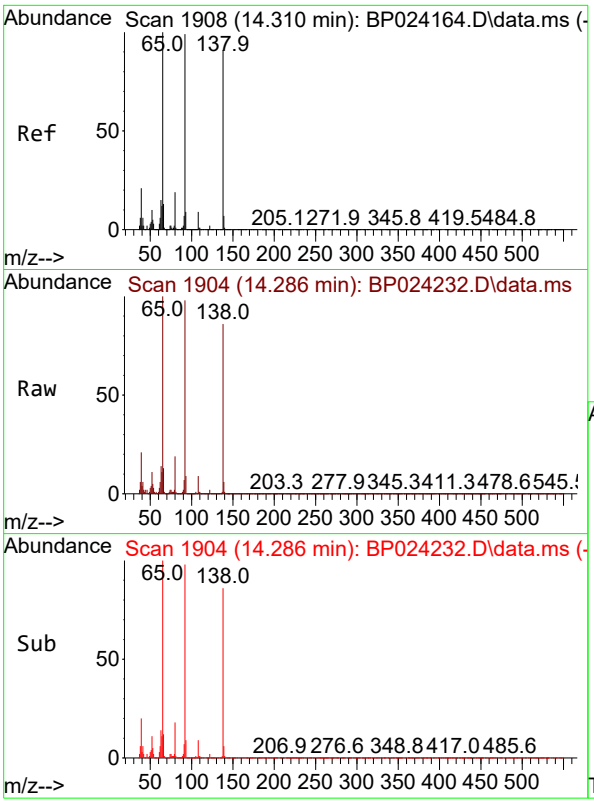




#52
Acenaphthene
Concen: 47.482 ng
RT: 14.439 min Scan# 1930
Delta R.T. -0.030 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:154 Resp: 1837985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.6 | 90.5 | 135.7 |
| 152 | 53.1 | 43.1 | 64.7 |



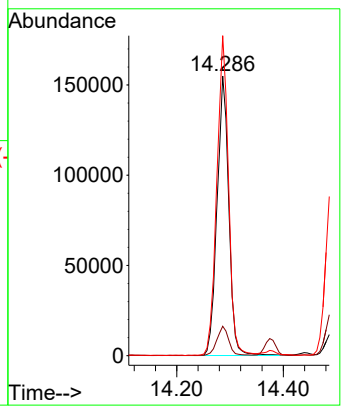


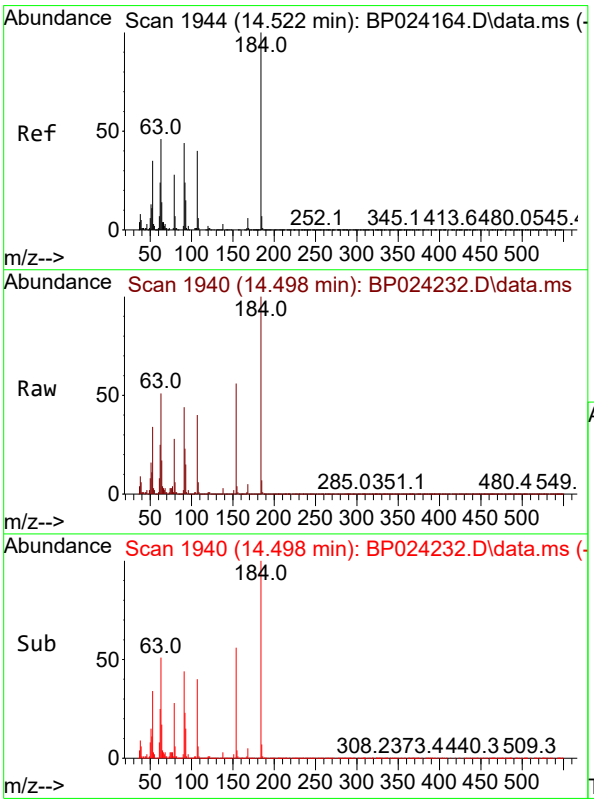

#53
3-Nitroaniline
Concen: 20.991 ng
RT: 14.286 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:138 Resp: 236450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.6 | 8.2 | 12.2 |
| 92 | 114.4 | 86.7 | 130.1 |

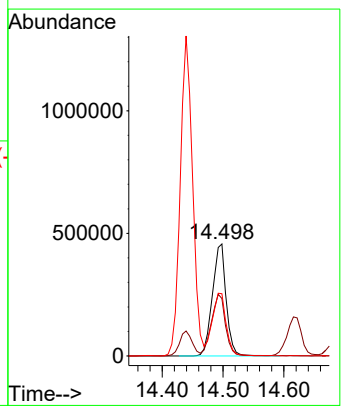


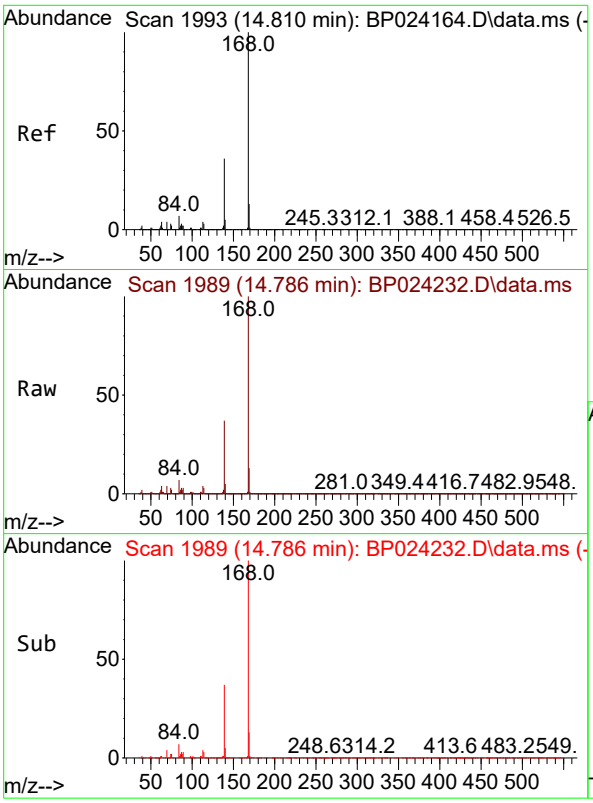




#54
2,4-Dinitrophenol
Concen: 129.700 ng
RT: 14.498 min Scan# 1940
Delta R.T. -0.024 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:184 Resp: 715742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 51.3 | 42.1 | 63.1 |
| 154 | 55.6 | 44.6 | 67.0 |



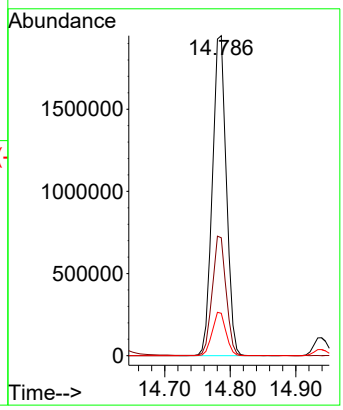


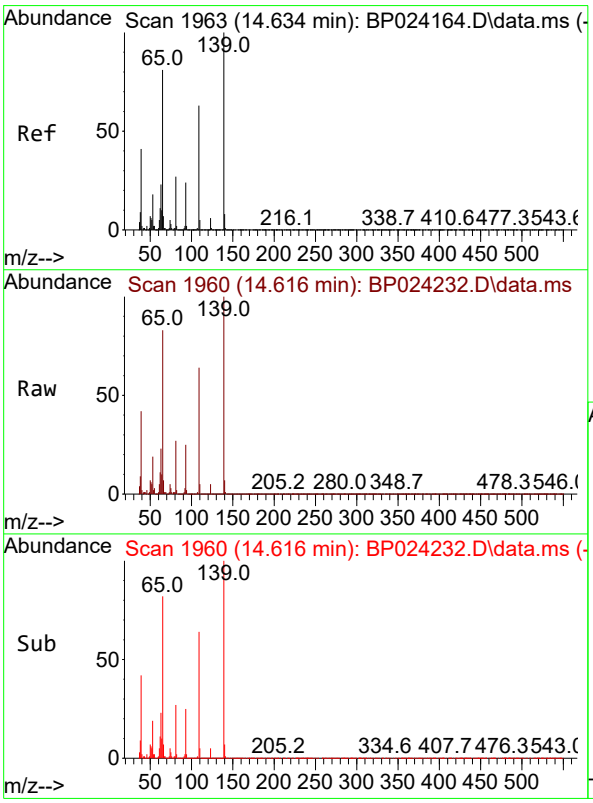

#55
Dibenzofuran
Concen: 45.805 ng
RT: 14.786 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:168 Resp: 2872093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 36.8 | 29.1 | 43.7 |
| 169 | 13.3 | 10.8 | 16.2 |

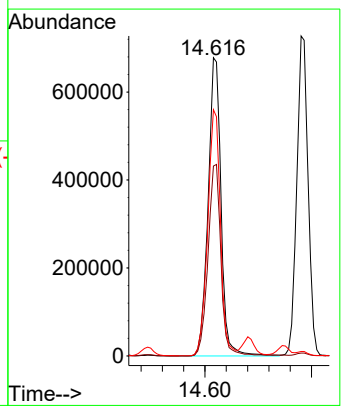


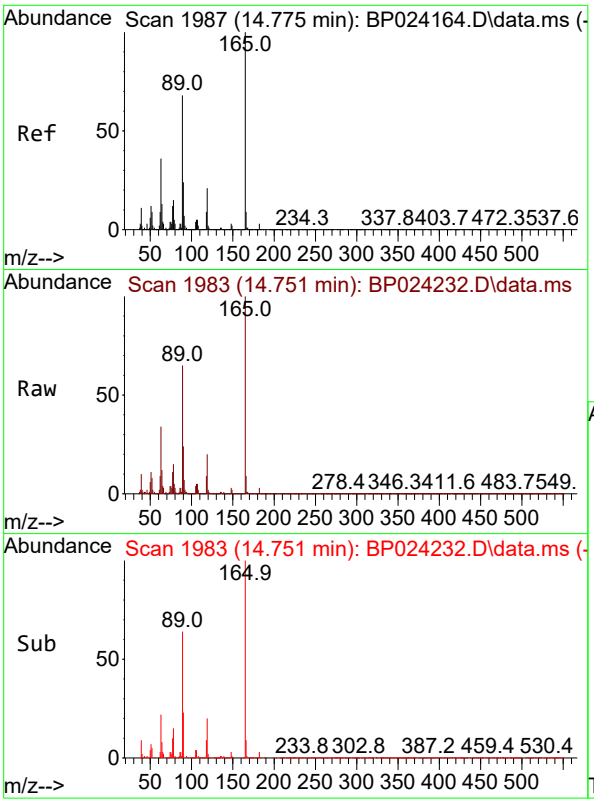




#56
4-Nitrophenol
Concen: 121.546 ng
RT: 14.616 min Scan# 1960
Delta R.T. -0.018 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:139 Resp: 1144006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 63.7 | 43.3 | 83.3 |
| 65 | 82.6 | 61.2 | 101.2 |



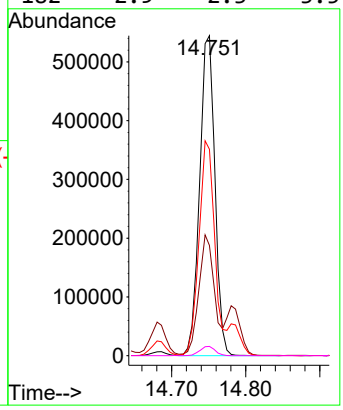


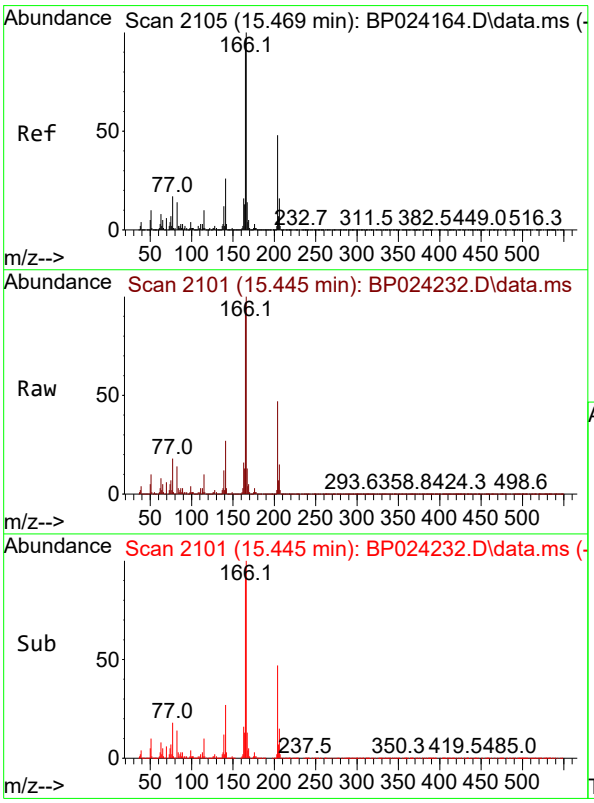

#57
2,4-Dinitrotoluene
Concen: 56.551 ng
RT: 14.751 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:165 Resp: 779044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 34.5 | 29.0 | 43.6 |
| 89 | 64.5 | 54.2 | 81.4 |
| 182 | 2.9 | 2.3 | 3.5 |

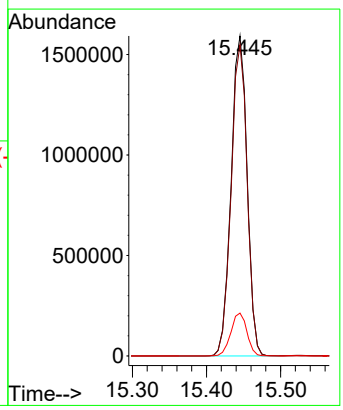


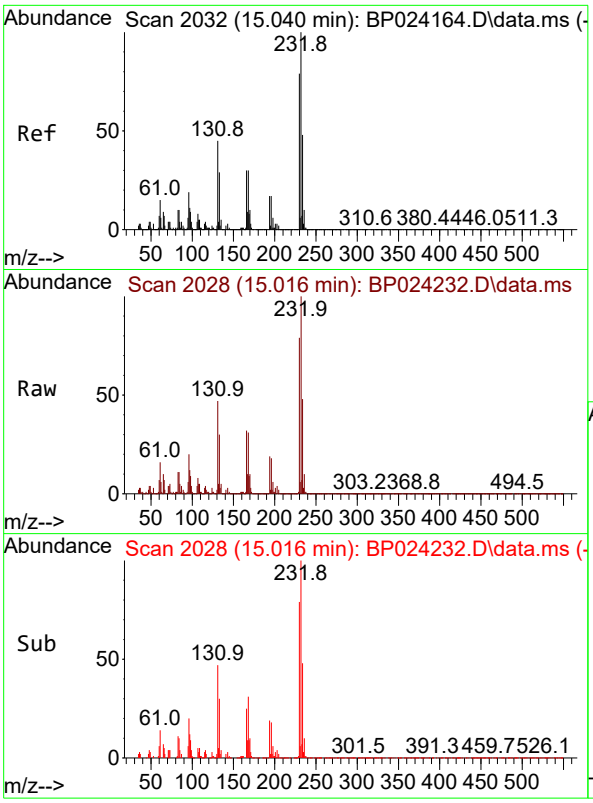




#58
Fluorene
Concen: 48.890 ng
RT: 15.445 min Scan# 2101
Delta R.T. -0.024 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:166 Resp: 2388449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.2 | 77.6 | 116.4 |
| 167 | 13.4 | 10.8 | 16.2 |



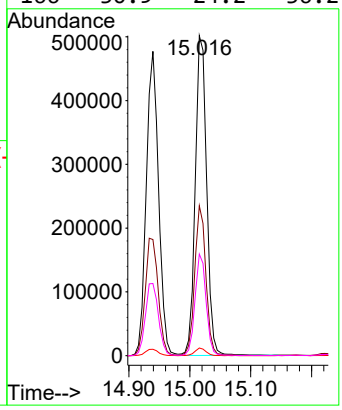


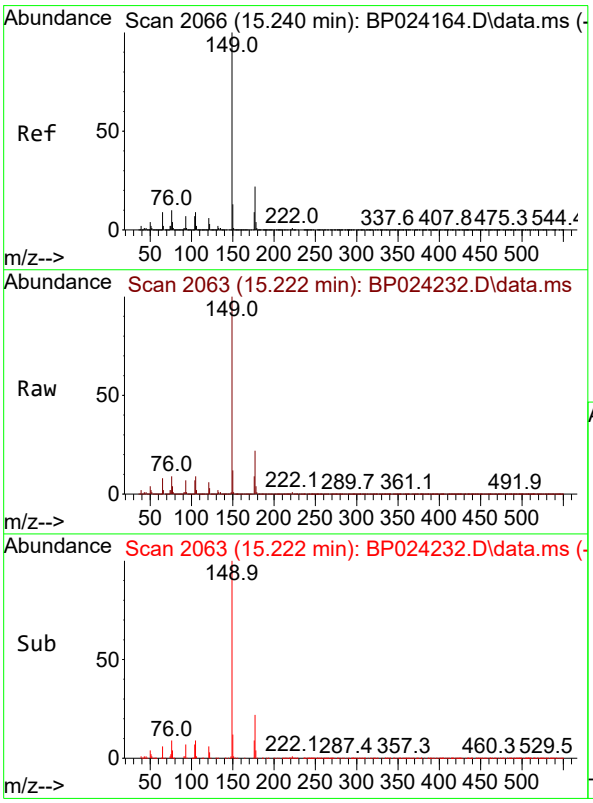

#59
2,3,4,6-Tetrachlorophenol
Concen: 51.641 ng
RT: 15.016 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:232 Resp: 651159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.1 | 35.9 | 53.9 |
| 130 | 2.3 | 1.8 | 2.6 |
| 166 | 30.9 | 24.2 | 36.2 |

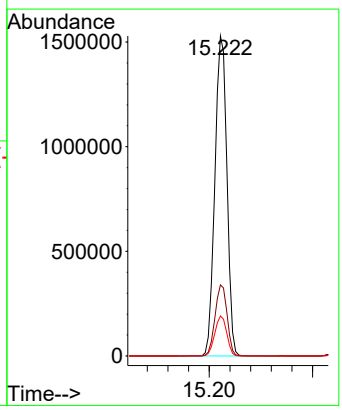


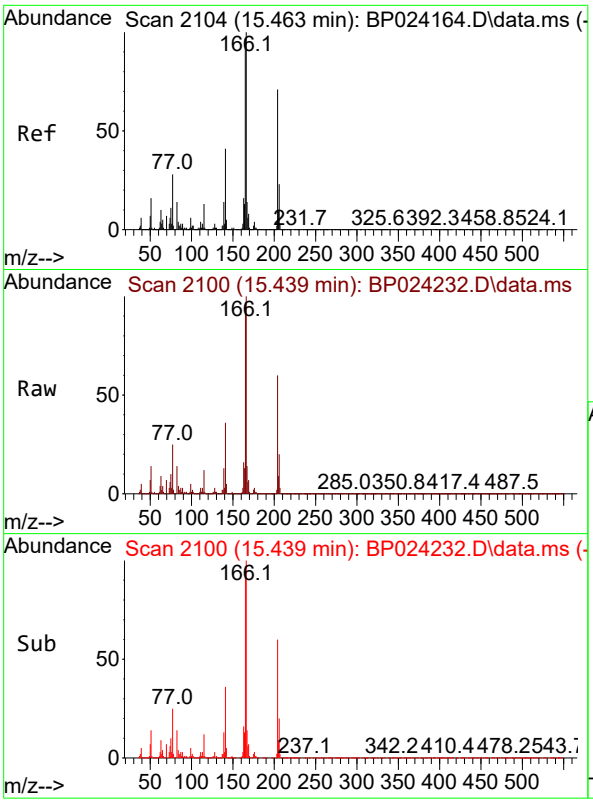




#60
Diethylphthalate
Concen: 49.967 ng
RT: 15.222 min Scan# 2063
Delta R.T. -0.018 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:149 Resp: 2466418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.2 | 17.7 | 26.5 |
| 150 | 12.5 | 10.2 | 15.4 |



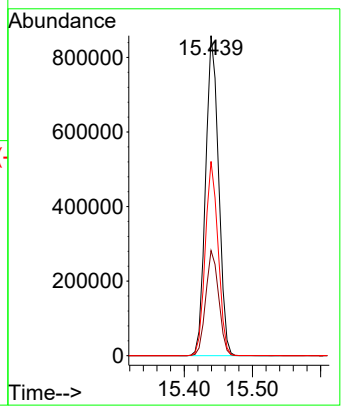


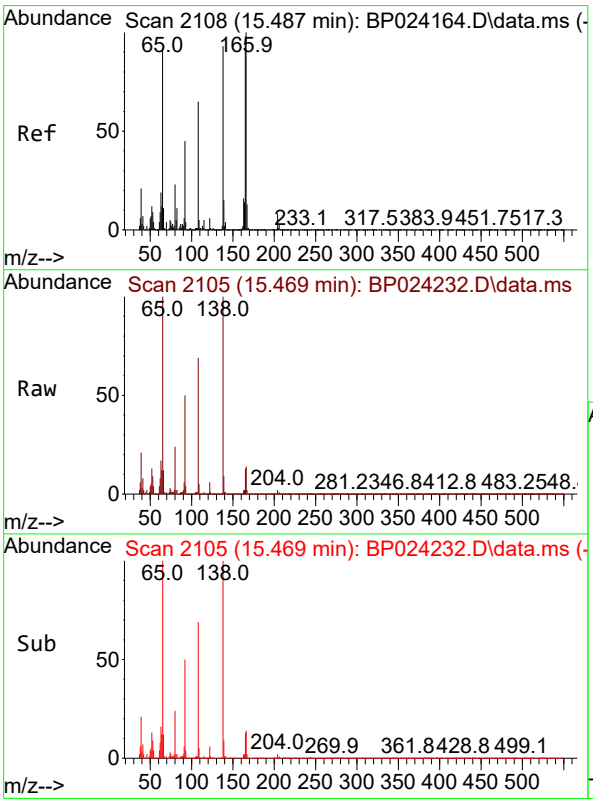

#61
4-Chlorophenyl-phenylether
Concen: 47.546 ng
RT: 15.439 min Scan# 21
Delta R.T. -0.024 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:204 Resp: 1139270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.9 | 26.4 | 39.6 |
| 141 | 60.7 | 45.8 | 68.8 |

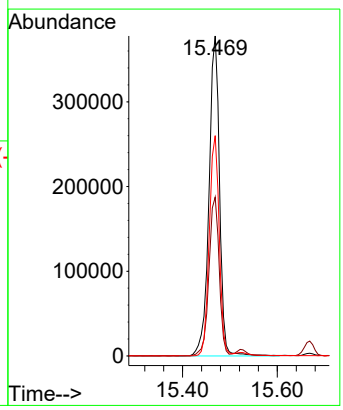


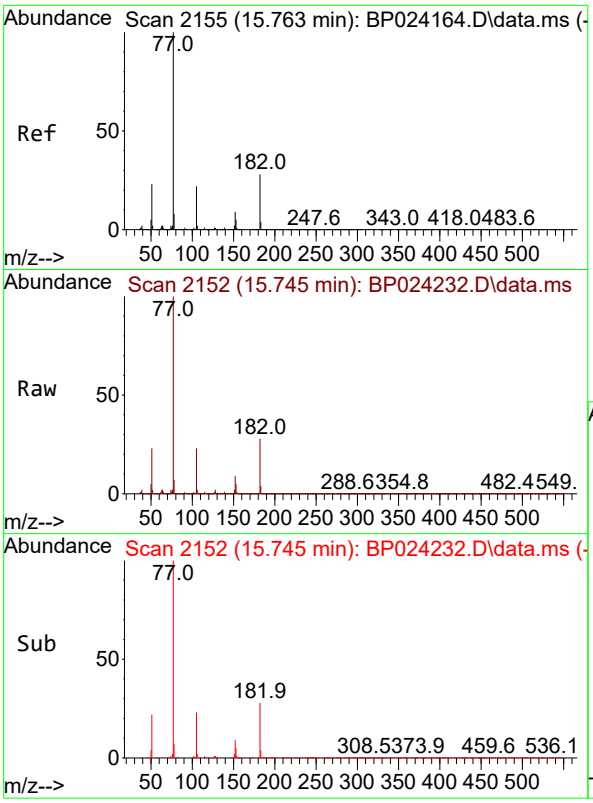




#62
4-Nitroaniline
Concen: 49.562 ng
RT: 15.469 min Scan# 2105
Delta R.T. -0.018 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:138 Resp: 585528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.6 | 28.7 | 68.7 |
| 108 | 68.9 | 49.5 | 89.5 |



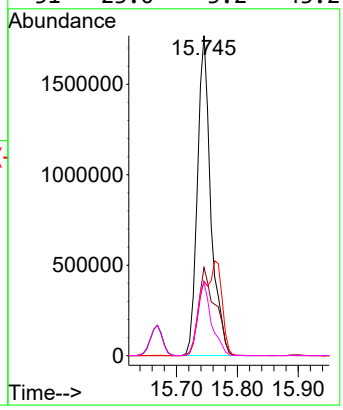


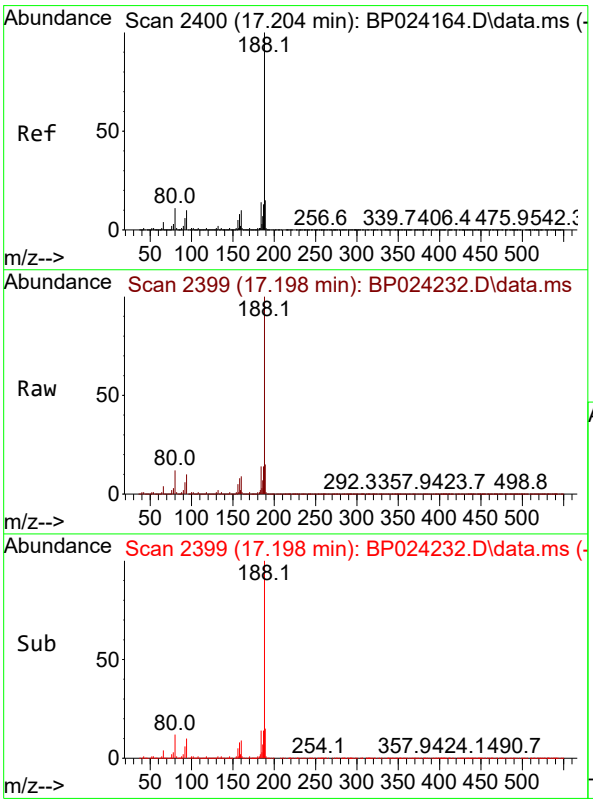

#63
Azobenzene
Concen: 58.192 ng
RT: 15.745 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion: 77 Resp: 2707344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 27.5 | 7.7 | 47.7 |
| 105 | 23.3 | 2.3 | 42.3 |
| 51 | 23.0 | 3.2 | 43.2 |

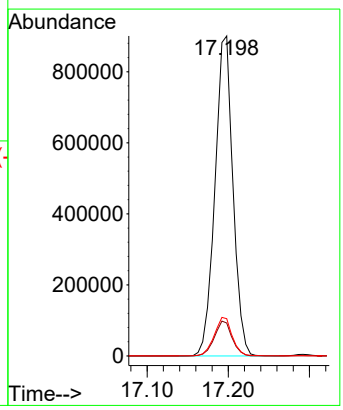


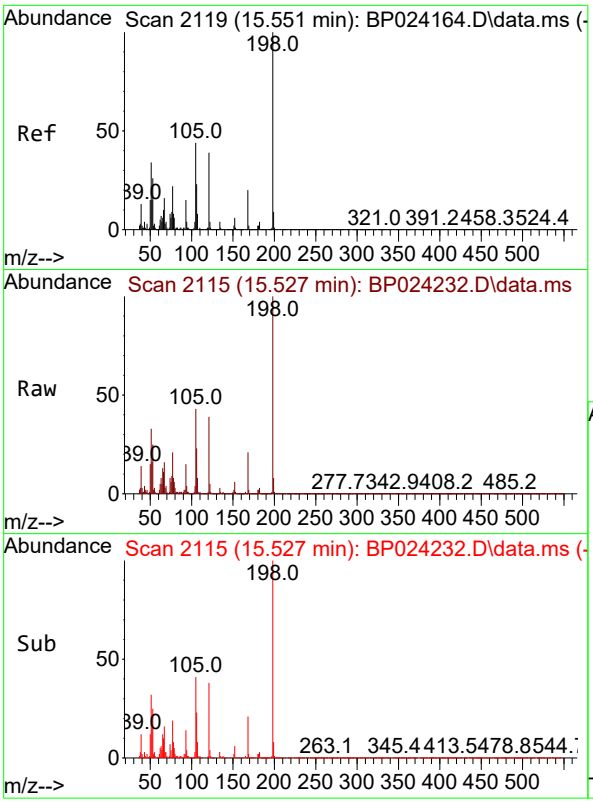




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.198 min Scan# 2399
Delta R.T. -0.006 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:188 Resp: 1387592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.3 | 8.1 | 12.1 |
| 80 | 11.6 | 8.9 | 13.3 |



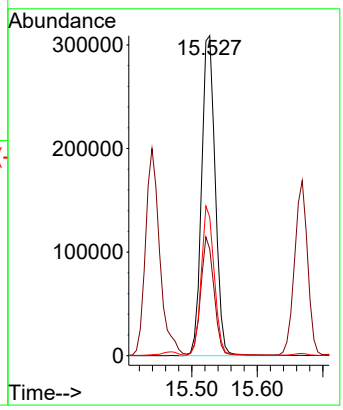


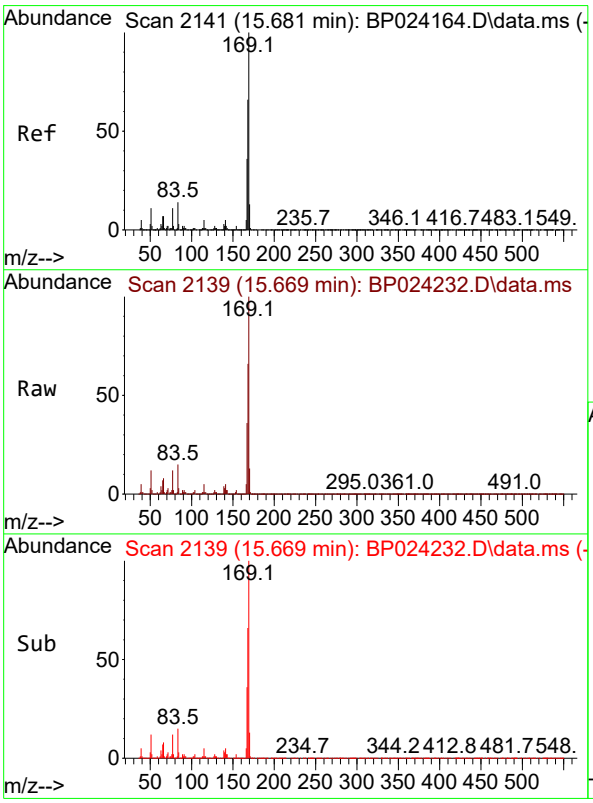

#65
4,6-Dinitro-2-methylphenol
Concen: 54.343 ng
RT: 15.527 min Scan# 21
Delta R.T. -0.024 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:198 Resp: 447652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 33.3 | 14.7 | 54.7 |
| 105 | 43.2 | 23.8 | 63.8 |

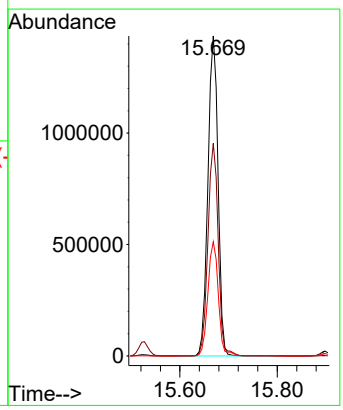


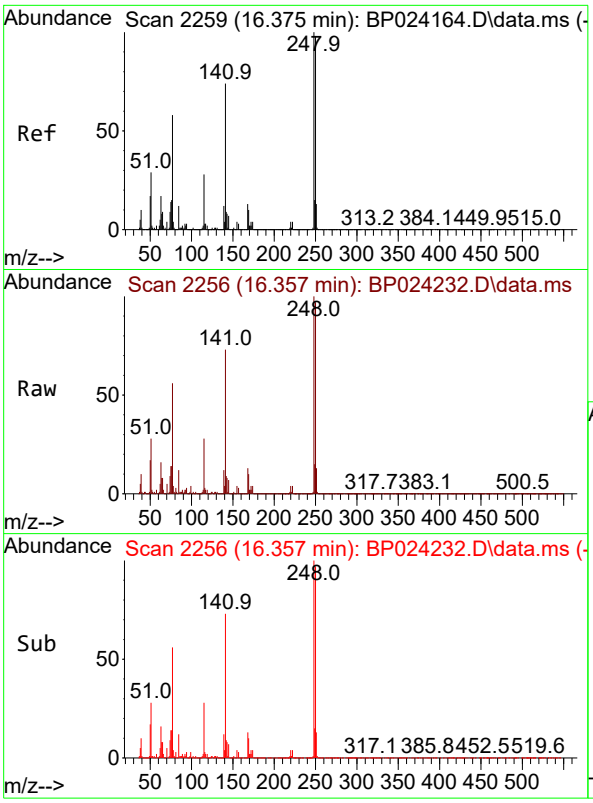




#66
n-Nitrosodiphenylamine
Concen: 48.811 ng
RT: 15.669 min Scan# 2139
Delta R.T. -0.012 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:169 Resp: 2056703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.5 | 52.9 | 79.3 |
| 167 | 35.7 | 28.8 | 43.2 |



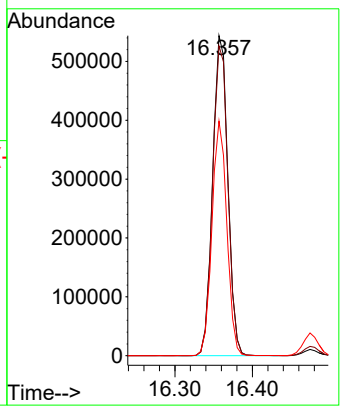


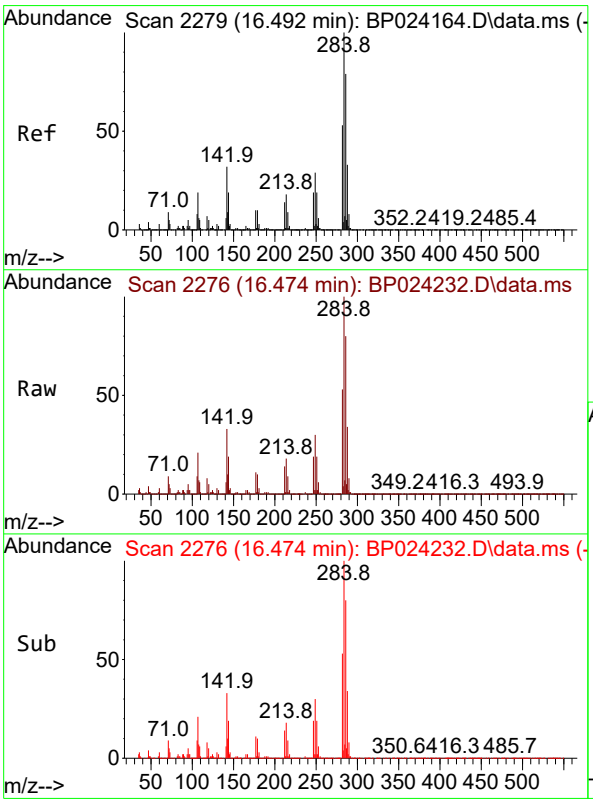

#67
4-Bromophenyl-phenylether
Concen: 48.644 ng
RT: 16.357 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:248 Resp: 741067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.8 | 78.4 | 117.6 |
| 141 | 73.3 | 59.4 | 89.0 |

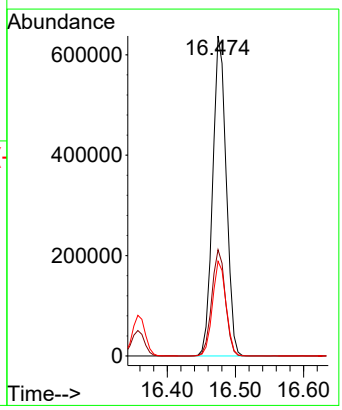


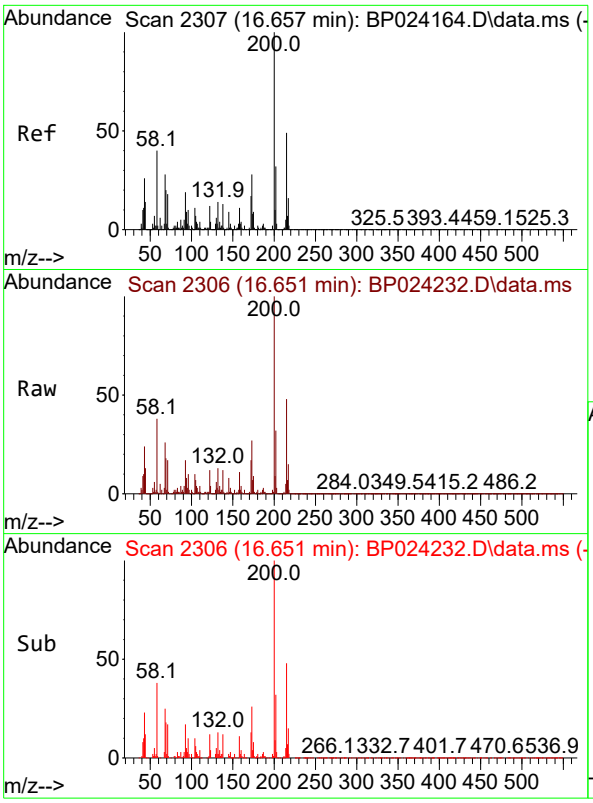




#68
Hexachlorobenzene
Concen: 48.828 ng
RT: 16.474 min Scan# 2276
Delta R.T. -0.018 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:284 Resp: 880437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 33.2 | 25.4 | 38.2 |
| 249 | 29.6 | 23.5 | 35.3 |



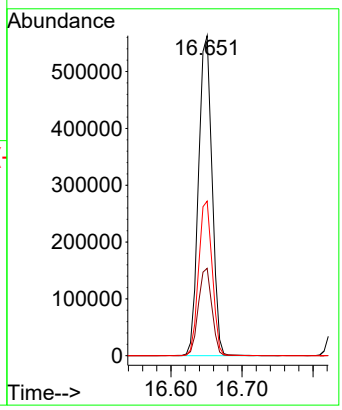


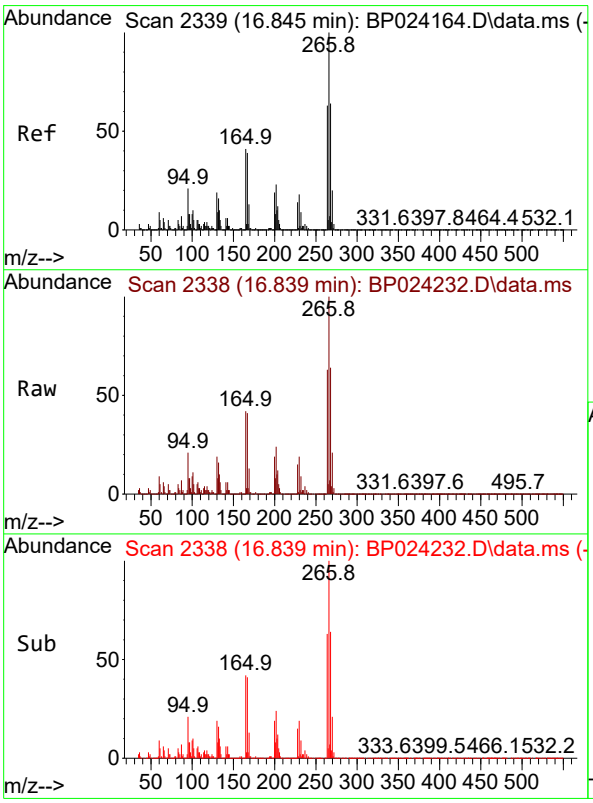

#69
Atrazine
Concen: 73.394 ng
RT: 16.651 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:200 Resp: 746444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.3 | 7.6 | 47.6 |
| 215 | 48.3 | 29.0 | 69.0 |

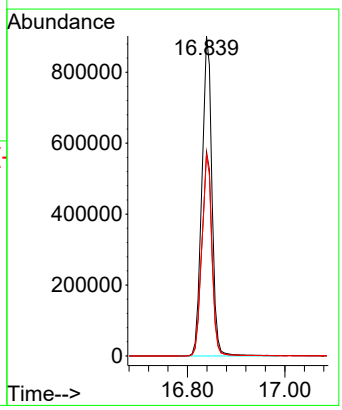


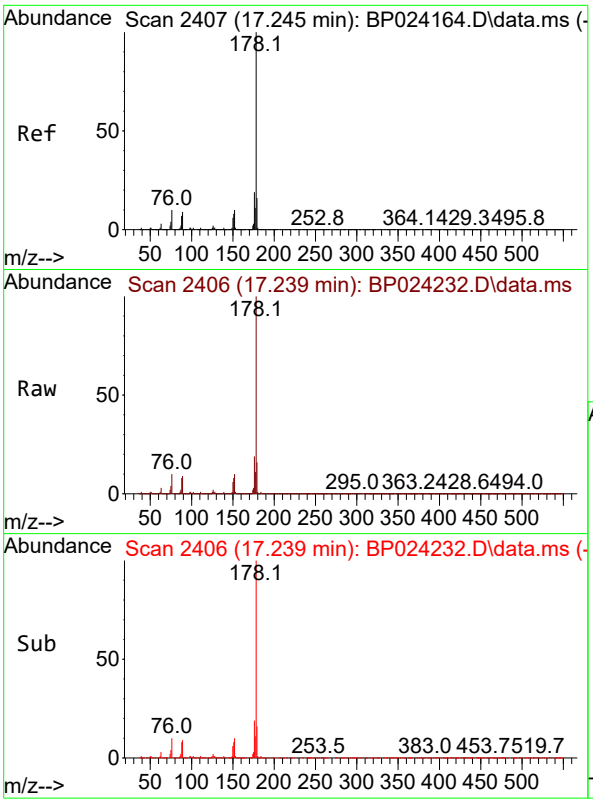




#70
Pentachlorophenol
Concen: 110.236 ng
RT: 16.839 min Scan# 2338
Delta R.T. -0.006 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:266 Resp: 1285435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.9 | 51.3 | 76.9 |
| 264 | 62.9 | 50.6 | 76.0 |



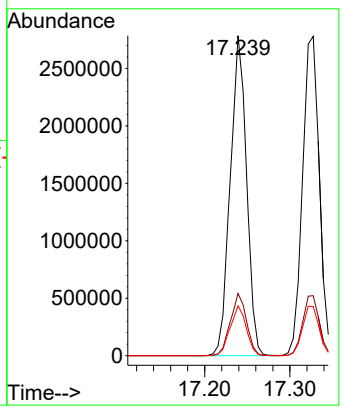


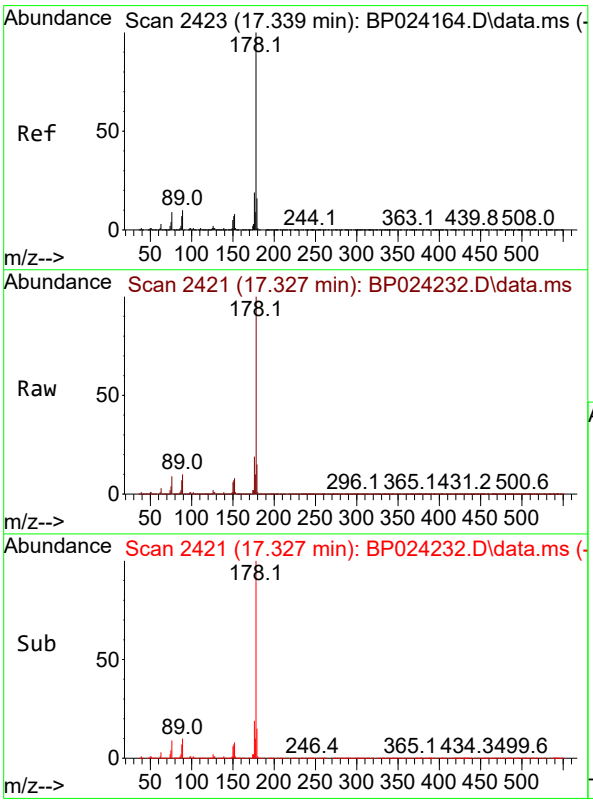

#71
Phenanthrene
Concen: 48.874 ng
RT: 17.239 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:178 Resp: 3704795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 15.6 | 23.4 |
| 179 | 15.6 | 12.5 | 18.7 |

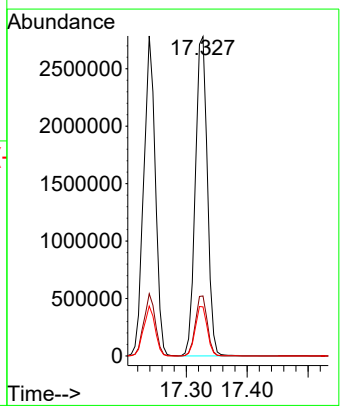


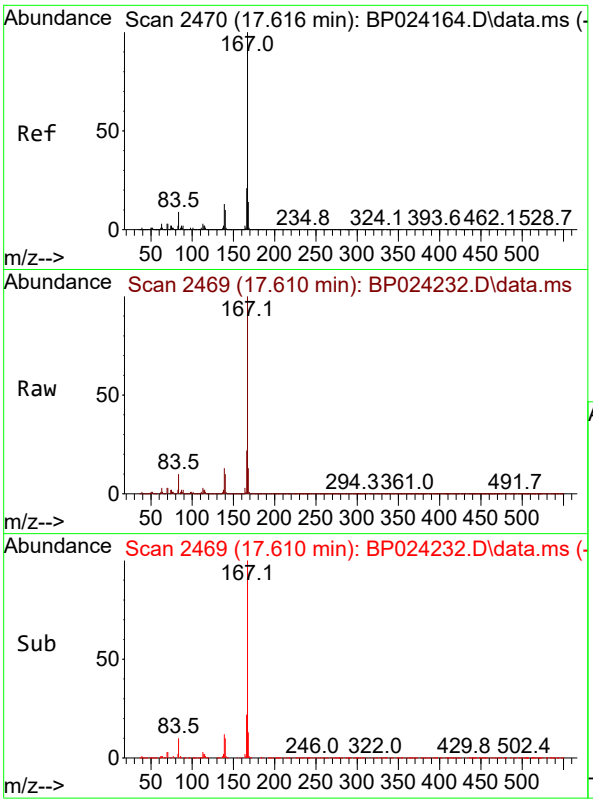




#72
Anthracene
Concen: 51.575 ng
RT: 17.327 min Scan# 2421
Delta R.T. -0.012 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:178 Resp: 3807745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.2 | 22.8 |
| 179 | 15.4 | 12.6 | 18.8 |



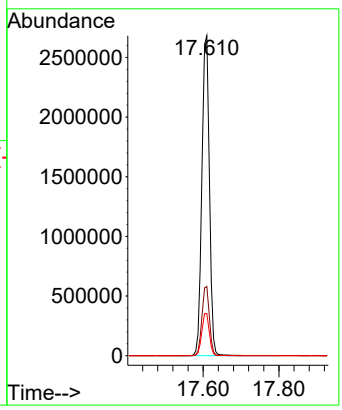


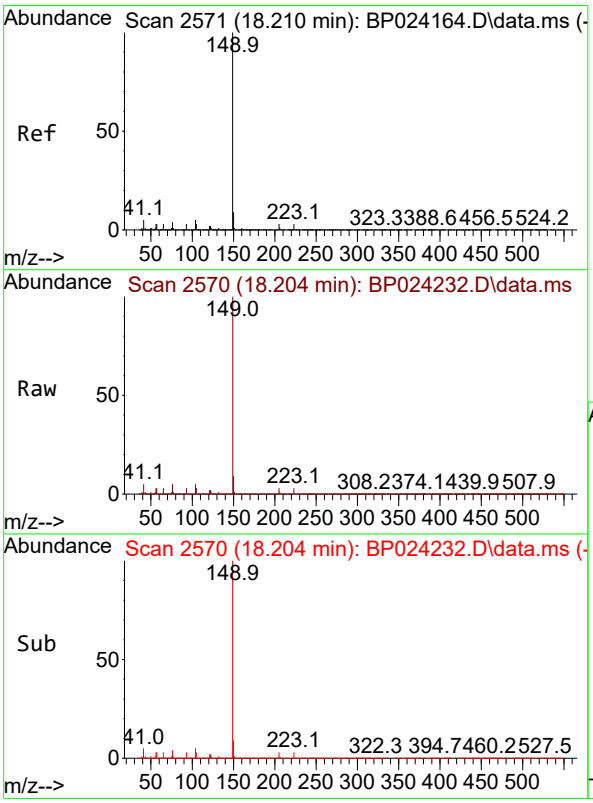

#73
Carbazole
Concen: 51.955 ng
RT: 17.610 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:167 Resp: 3699204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.6 | 17.1 | 25.7 |
| 139 | 13.2 | 10.2 | 15.4 |

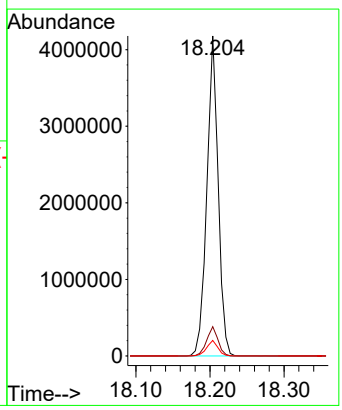


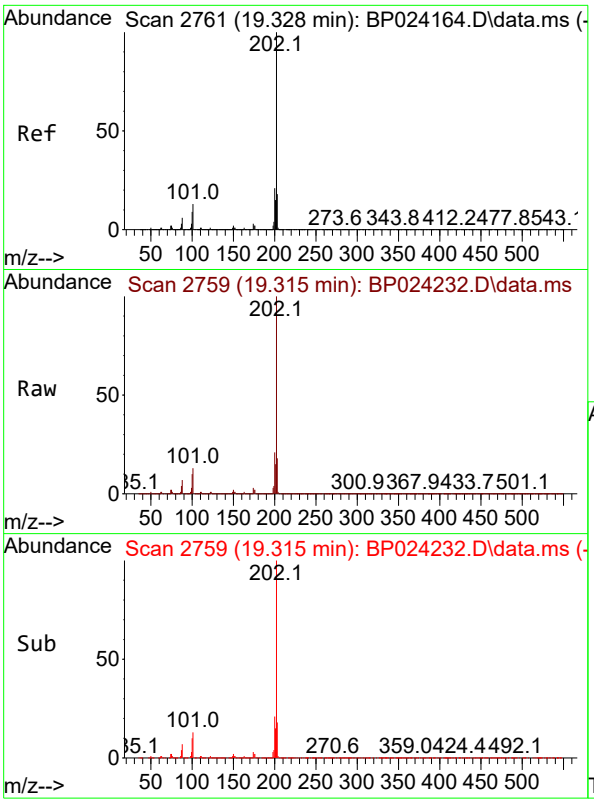




#74
Di-n-butylphthalate
Concen: 52.359 ng
RT: 18.204 min Scan# 2570
Delta R.T. -0.006 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:149 Resp: 4425488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.6 | 11.4 |
| 104 | 4.8 | 3.9 | 5.9 |



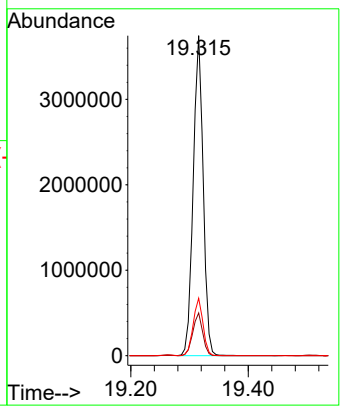


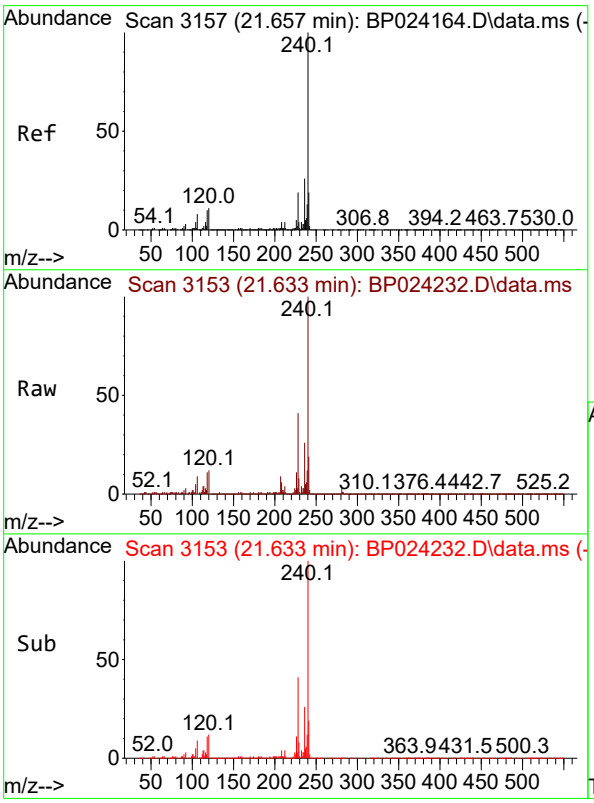

#75
Fluoranthene
Concen: 50.272 ng
RT: 19.315 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:202 Resp: 4413531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.3 | 0.0 | 32.5 |
| 203 | 17.9 | 0.0 | 37.9 |

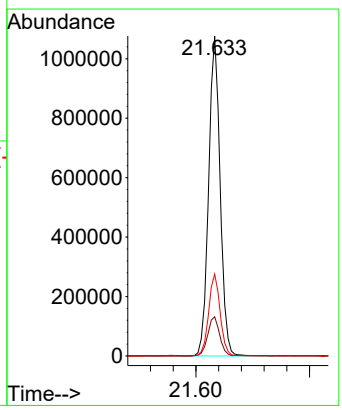


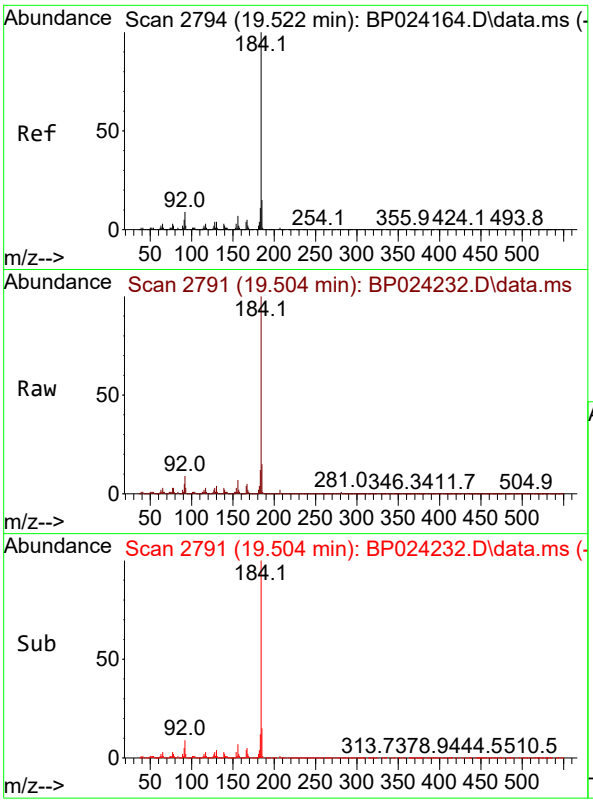




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.633 min Scan# 3153
Delta R.T. -0.024 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:240 Resp: 1504352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.3 | 9.2 | 13.8 |
| 236 | 25.6 | 20.4 | 30.6 |



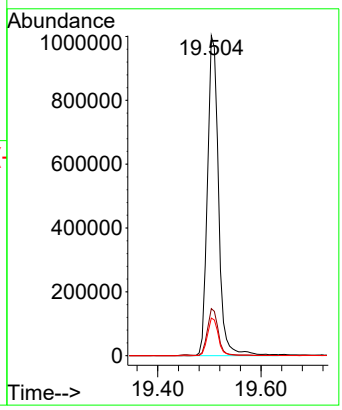


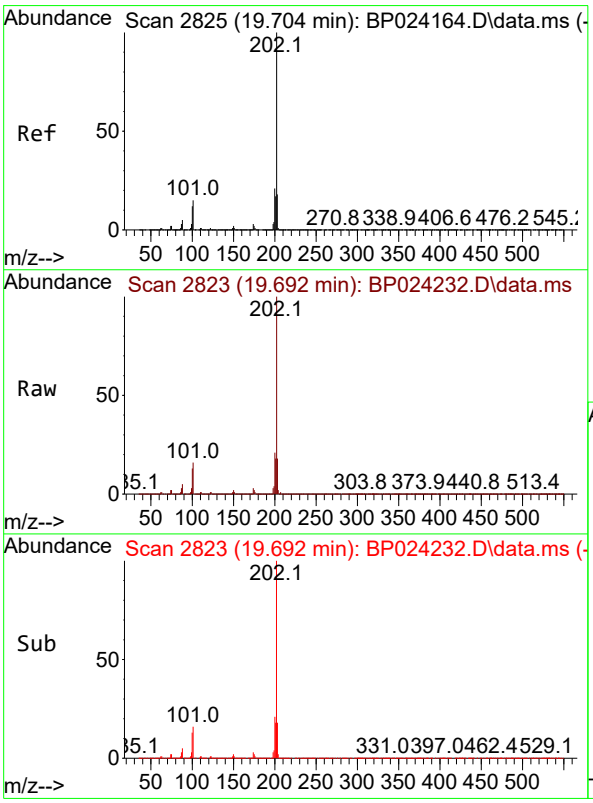

#77
Benzidine
Concen: 90.495 ng
RT: 19.504 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:184 Resp: 1488430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.7 | 11.8 | 17.6 |
| 183 | 11.7 | 9.1 | 13.7 |

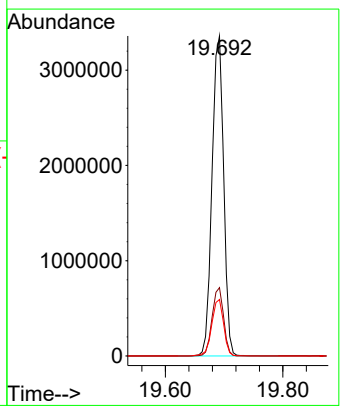


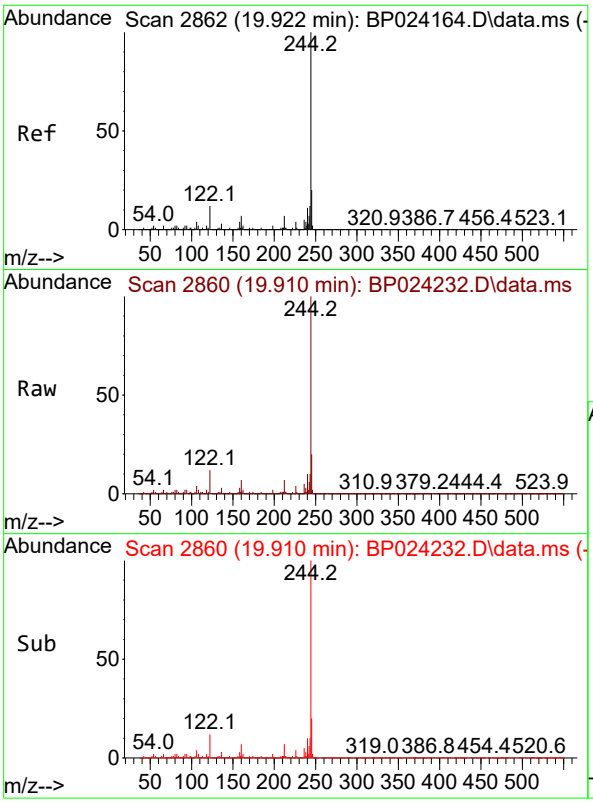




#78
Pyrene
Concen: 49.326 ng
RT: 19.692 min Scan# 2823
Delta R.T. -0.012 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:202 Resp: 4613212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.4 | 17.1 | 25.7 |
| 203 | 17.6 | 14.2 | 21.4 |



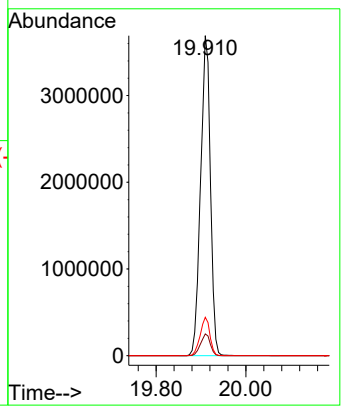


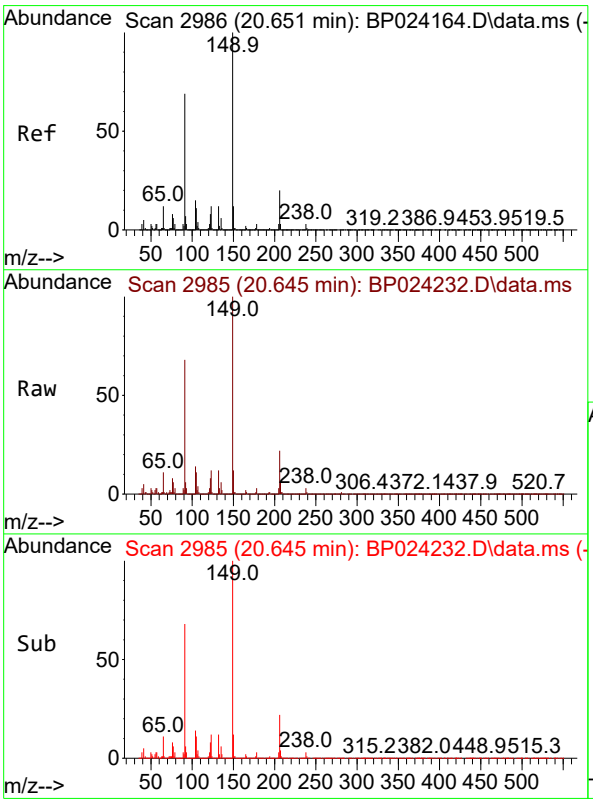

#79
Terphenyl-d14
Concen: 76.697 ng
RT: 19.910 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:244 Resp: 5589464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.7 | 8.5 |
| 122 | 12.0 | 9.6 | 14.4 |

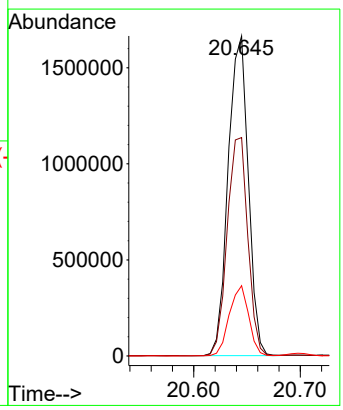


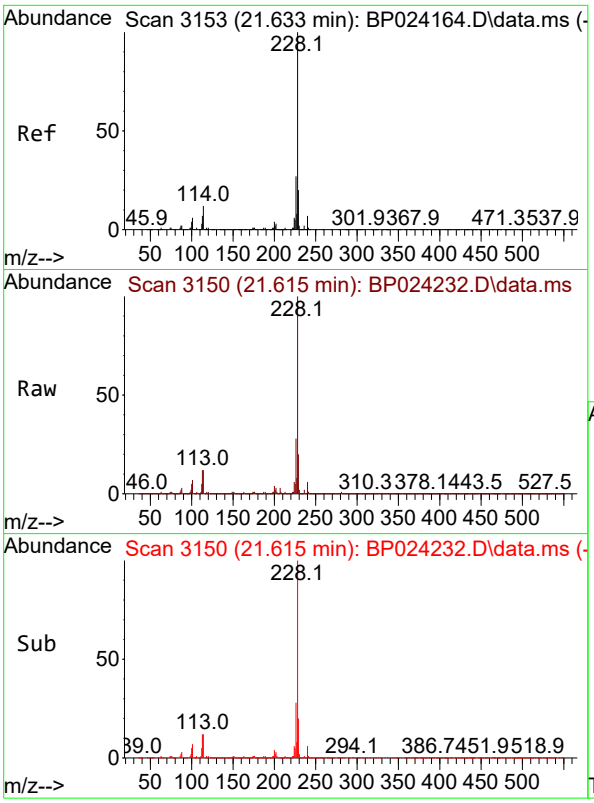




#80
Butylbenzylphthalate
Concen: 56.552 ng
RT: 20.645 min Scan# 2985
Delta R.T. -0.006 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:149 Resp: 2181081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 68.3 | 55.3 | 82.9 |
| 206 | 21.9 | 16.1 | 24.1 |



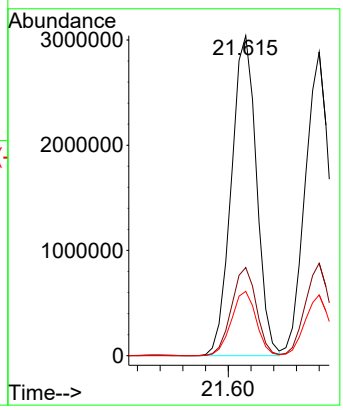


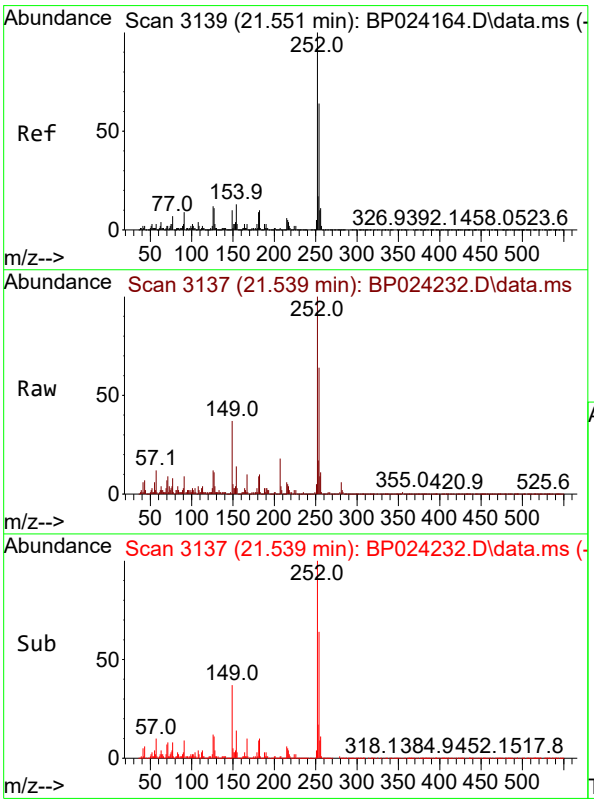

#81
Benzo(a)anthracene
Concen: 49.914 ng
RT: 21.615 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:228 Resp: 4668390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.6 | 21.8 | 32.8 |
| 229 | 20.1 | 16.0 | 24.0 |

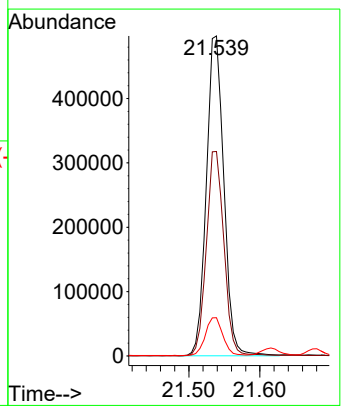


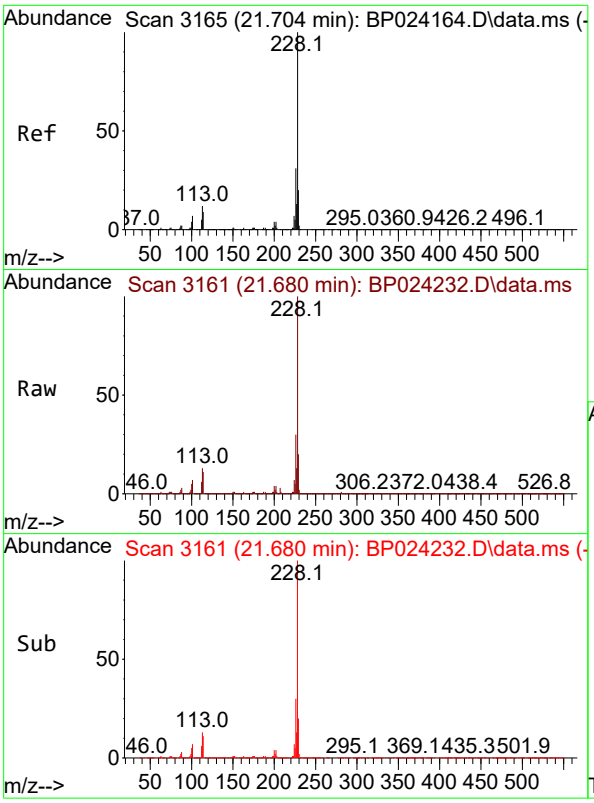




#82
3,3'-Dichlorobenzidine
Concen: 27.169 ng
RT: 21.539 min Scan# 3137
Delta R.T. -0.012 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:252 Resp: 851663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.9 | 51.4 | 77.2 |
| 126 | 12.0 | 9.3 | 13.9 |



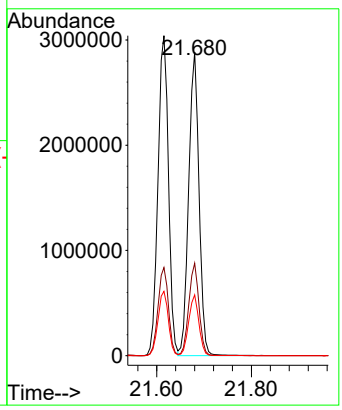


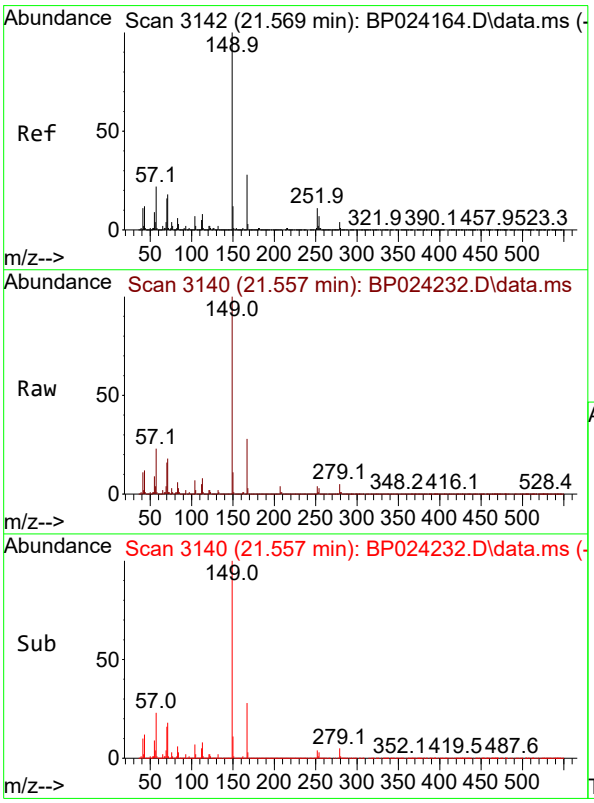

#83
Chrysene
Concen: 48.779 ng
RT: 21.680 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:228 Resp: 4385837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.5 | 24.5 | 36.7 |
| 229 | 20.0 | 16.2 | 24.2 |

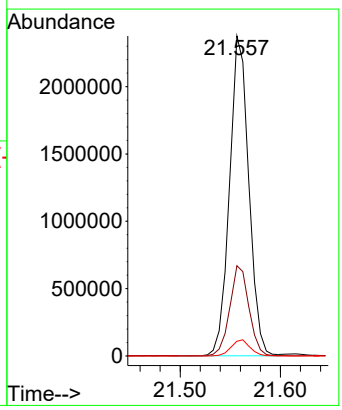


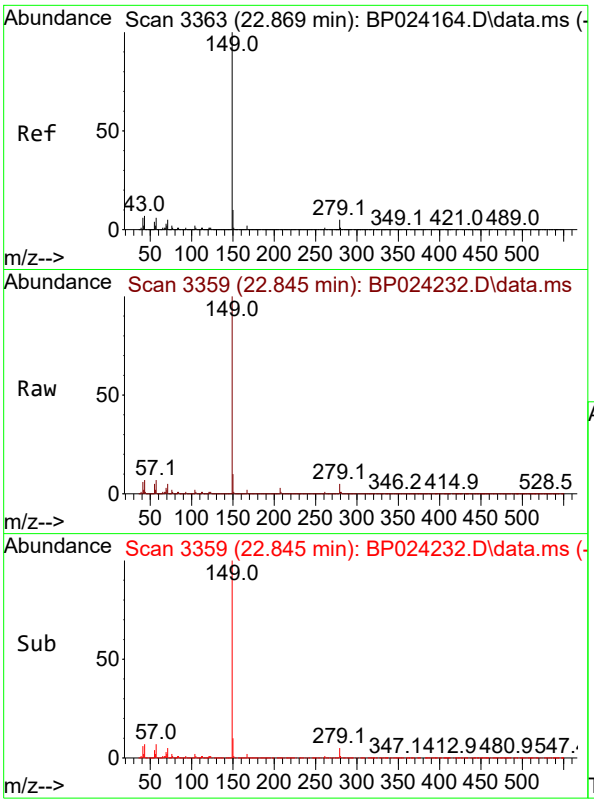




#84
Bis(2-ethylhexyl)phthalate
Concen: 54.373 ng
RT: 21.557 min Scan# 3140
Delta R.T. -0.012 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:149 Resp: 3164227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.2 | 22.5 | 33.7 |
| 279 | 4.6 | 3.6 | 5.4 |



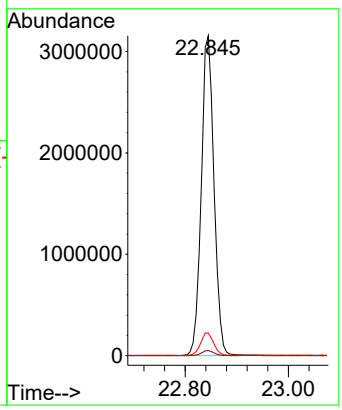


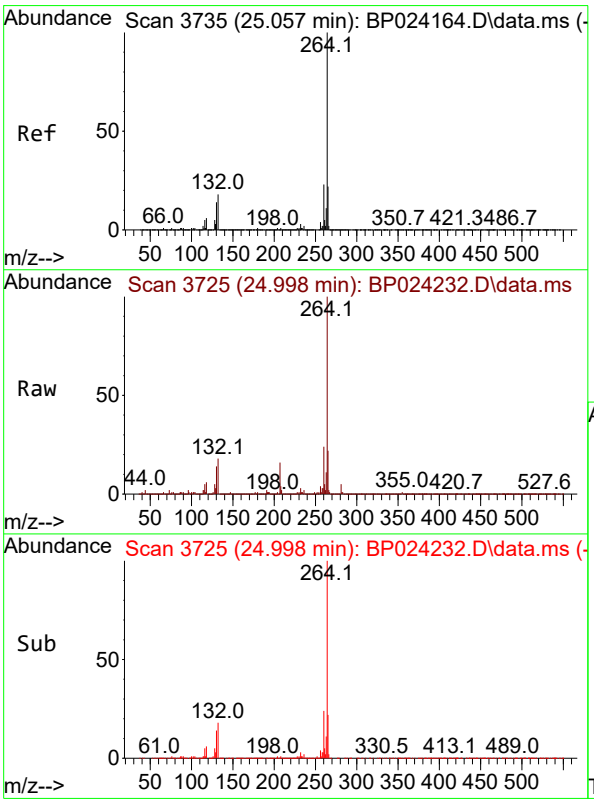

#85
Di-n-octyl phthalate
Concen: 57.617 ng
RT: 22.845 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:149 Resp: 5372260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 7.2 | 5.8 | 8.8 |

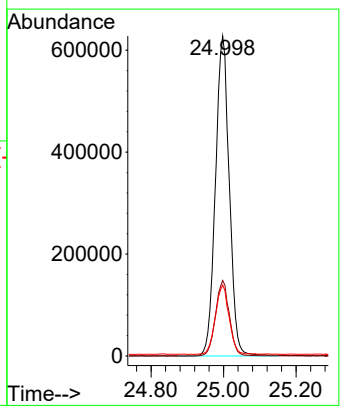


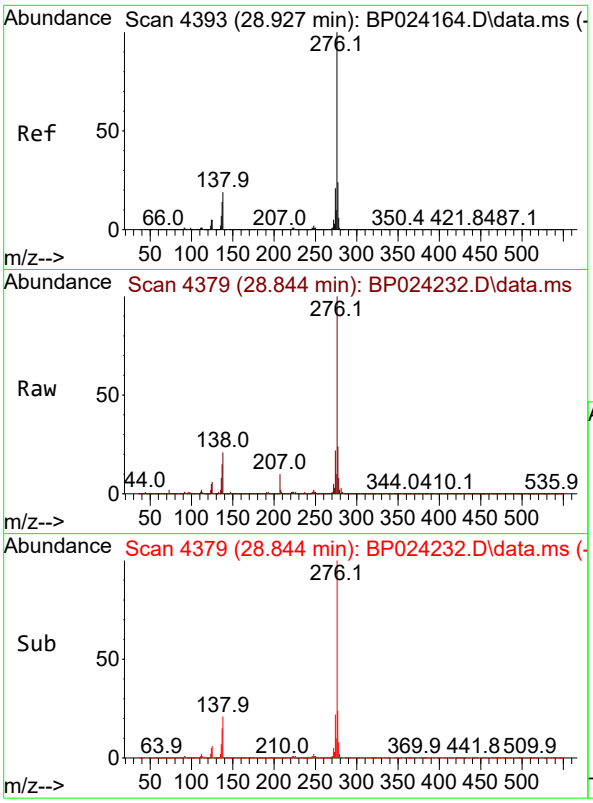




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.998 min Scan# 3725
Delta R.T. -0.059 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:264 Resp: 1667153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 18.5 | 27.7 |
| 265 | 22.2 | 17.7 | 26.5 |



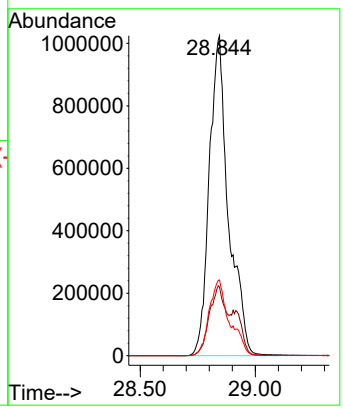


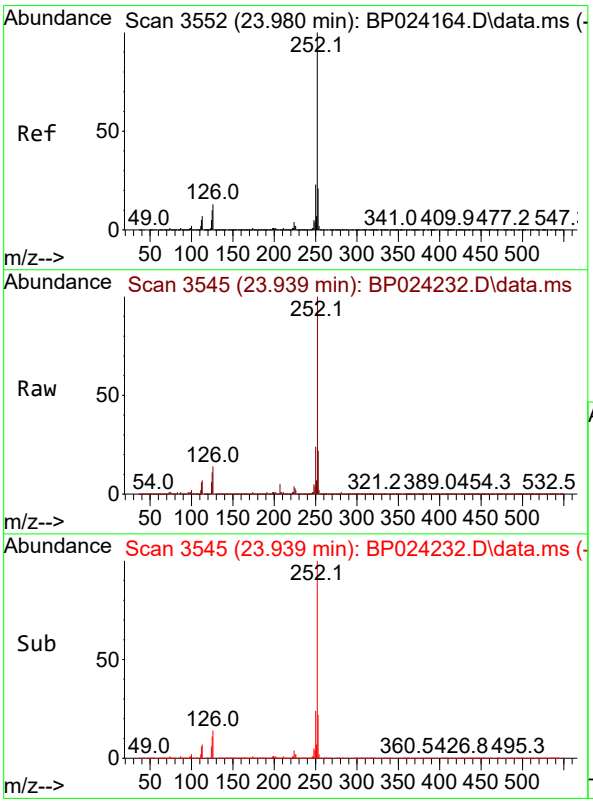

#87
Indeno(1,2,3-cd)pyrene
Concen: 50.852 ng
RT: 28.844 min Scan# 4
Delta R.T. -0.083 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:276 Resp: 5916857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.4 | 13.7 | 20.5 |
| 277 | 25.1 | 20.2 | 30.2 |

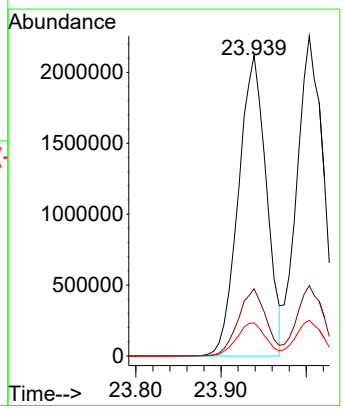


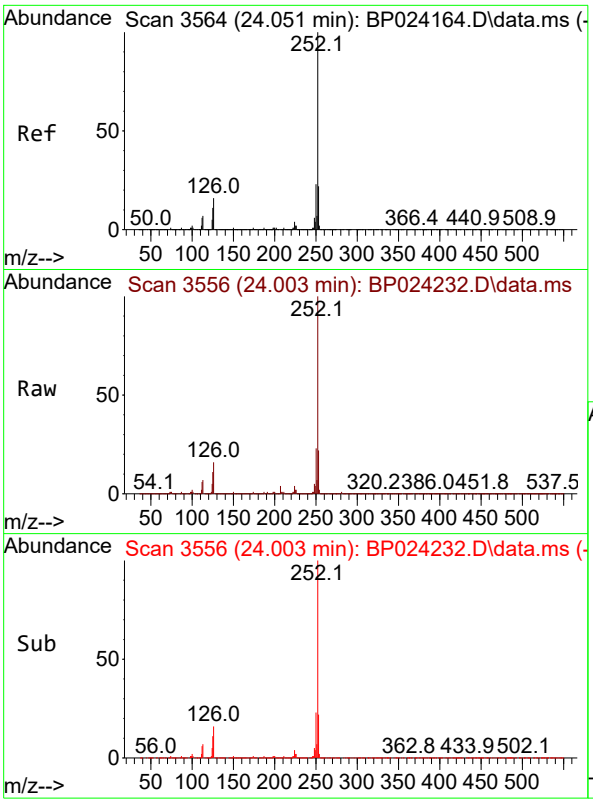




#88
Benzo(b)fluoranthene
Concen: 47.997 ng
RT: 23.939 min Scan# 3545
Delta R.T. -0.042 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:252 Resp: 4824633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 17.2 | 25.8 |
| 125 | 11.0 | 8.2 | 12.4 |



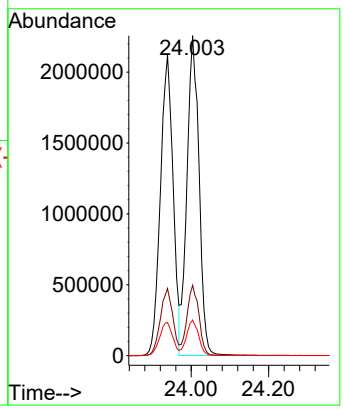


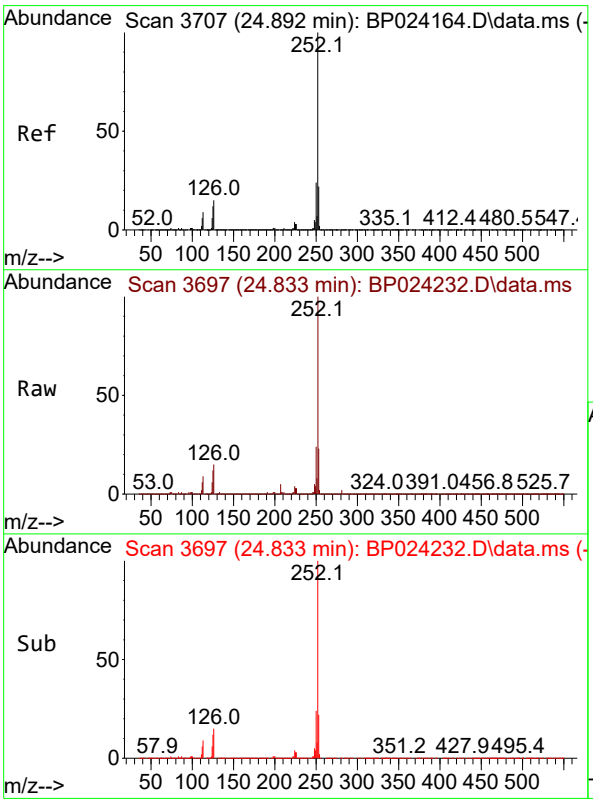

#89
Benzo(k)fluoranthene
Concen: 49.874 ng
RT: 24.003 min Scan# 3
Delta R.T. -0.047 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:252 Resp: 4903911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.7 | 26.5 |
| 125 | 11.1 | 9.1 | 13.7 |

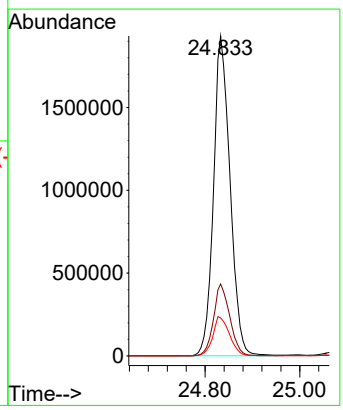


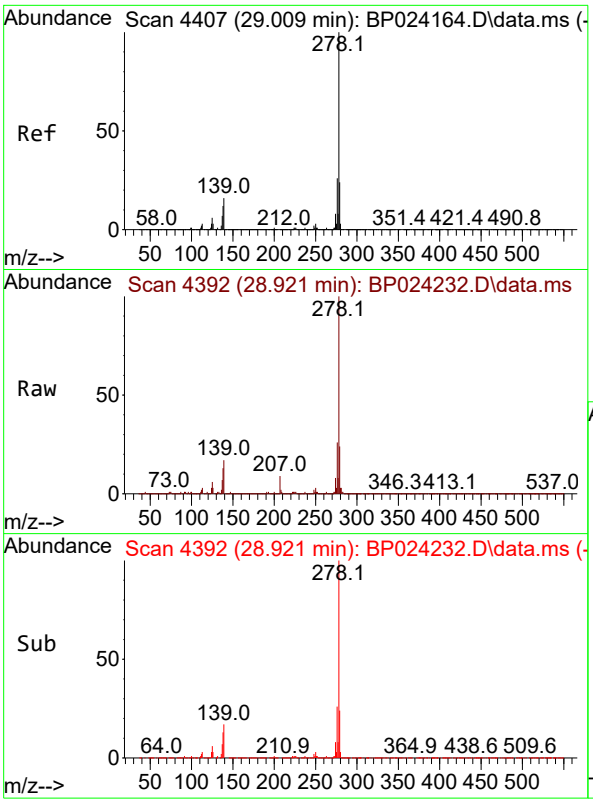




#90
Benzo(a)pyrene
Concen: 53.654 ng
RT: 24.833 min Scan# 3697
Delta R.T. -0.059 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:252 Resp: 4689771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 17.4 | 26.0 |
| 125 | 11.9 | 9.6 | 14.4 |



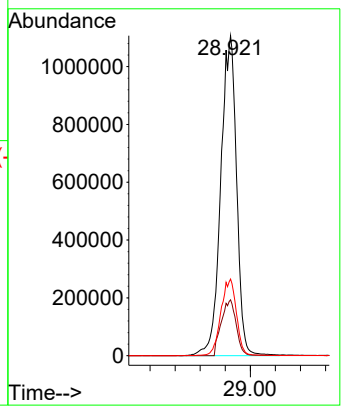


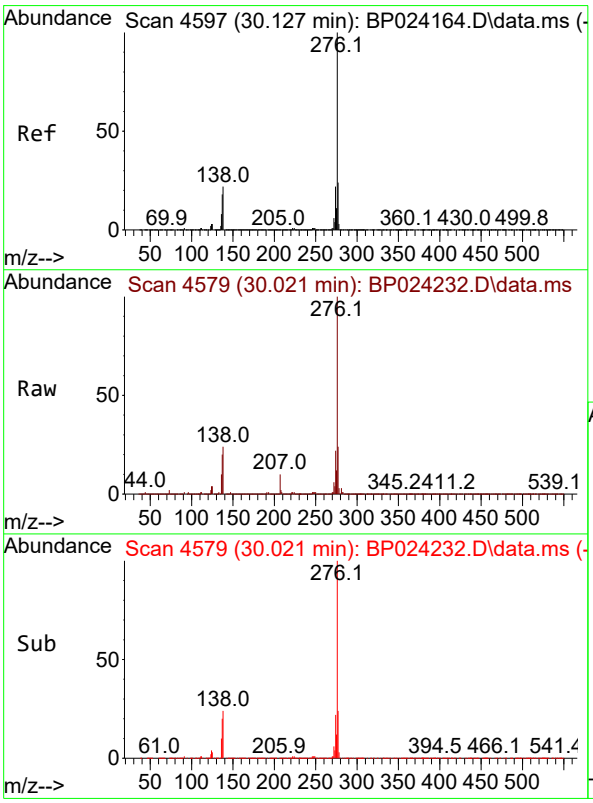

#91
Dibenzo(a,h)anthracene
Concen: 50.111 ng
RT: 28.921 min Scan# 4
Delta R.T. -0.089 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

**Instrument :**
BNA_P
**ClientSampleId :**
OU4-VSL-15-040325MSD

Tgt Ion:278 Resp: 4850816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.4 | 13.0 | 19.4 |
| 279 | 23.9 | 18.8 | 28.2 |

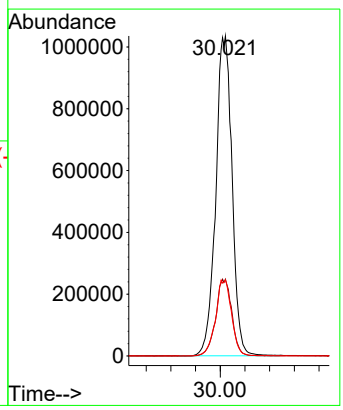



#92
Benzo(g,h,i)perylene
Concen: 48.170 ng
RT: 30.021 min Scan# 4579
Delta R.T. -0.106 min
Lab File: BP024232.D
Acq: 09 Apr 2025 12:56

Tgt Ion:276 Resp: 4740076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.0 | 19.2 | 28.8 |
| 138 | 23.8 | 17.4 | 26.2 |



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# Manual Integration Report

| Sequence: | BP031225 | Instrument | BNA_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDICC005 | BP024161.D | Benzaldehyde | anahy | 3/13/2025 11:10:33 AM | Jagrut | 3/13/2025 11:45:04 AM | Peak Integrated by Software |
| SSTDICC050 | BP024165.D | Pyridine | anahy | 3/13/2025 11:11:20 AM | Jagrut | 3/13/2025 11:45:07 AM | Peak Integrated by Software |
| SSTDICC060 | BP024166.D | Indeno(1,2,3-cd)pyrene | anahy | 3/13/2025 11:38:58 AM | Jagrut | 3/13/2025 11:45:09 AM | Peak Integrated by Software |
| SSTDICC060 | BP024166.D | Pyridine | anahy | 3/13/2025 11:38:58 AM | Jagrut | 3/13/2025 11:45:09 AM | Peak Integrated by Software |
| SSTDICC080 | BP024167.D | Pyridine | anahy | 3/13/2025 11:39:57 AM | Jagrut | 3/13/2025 11:45:11 AM | Peak Integrated by Software |
| SSTDICV040 | BP024168.D | Benzo(g,h,i)perylene | anahy | 3/13/2025 11:40:49 AM | Jagrut | 3/13/2025 11:45:14 AM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | bp040825 | Instrument | BNA_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDCCC040 | BP024211.D | Acenaphthene | anahy | 4/9/2025 10:35:20 AM | Jagrut | 4/9/2025 4:51:12 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | BP040925 | Instrument | BNA_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDCCC040 | BP024228.D | Benzoic acid | anahy | 4/10/2025 10:35:25 AM | Jagrut | 4/10/2025 3:32:58 PM | Peak Integrated by Software |
| SSTDCCC040 | BP024228.D | Indeno(1,2,3-cd)pyrene | anahy | 4/10/2025 10:35:25 AM | Jagrut | 4/10/2025 3:32:58 PM | Peak Integrated by Software |
| SSTDCCC040 | BP024243.D | Benzo(g,h,i)perylene | anahy | 4/10/2025 10:37:39 AM | Jagrut | 4/10/2025 3:33:04 PM | Peak Integrated by Software |

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**Instrument ID: BNA_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # BP031225

| | | | | | |
|---|---|---|---|---|---|
| Review By | anahy | Review On | 3/13/2025 11:41:15 AM | | |
| Supervise By | Jagrut | Supervise On | 3/17/2025 4:44:19 PM | | |
| SubDirectory | BP031225 | HP Acquire Method | BNA_P | HP Processing Method | bp031225 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12653,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BP024159.D | 12 Mar 2025 15:36 | RC/JU | Ok |
| 2 | SSTDICC2.5 | BP024160.D | 12 Mar 2025 16:17 | RC/JU | Ok |
| 3 | SSTDICC005 | BP024161.D | 12 Mar 2025 16:57 | RC/JU | Ok,M |
| 4 | SSTDICC010 | BP024162.D | 12 Mar 2025 17:38 | RC/JU | Ok |
| 5 | SSTDICC020 | BP024163.D | 12 Mar 2025 18:19 | RC/JU | Ok |
| 6 | SSTDICCC040 | BP024164.D | 12 Mar 2025 19:00 | RC/JU | Ok |
| 7 | SSTDICC050 | BP024165.D | 12 Mar 2025 19:41 | RC/JU | Ok,M |
| 8 | SSTDICC060 | BP024166.D | 12 Mar 2025 20:21 | RC/JU | Ok,M |
| 9 | SSTDICC080 | BP024167.D | 12 Mar 2025 21:02 | RC/JU | Ok,M |
| 10 | SSTDICV040 | BP024168.D | 12 Mar 2025 21:43 | RC/JU | Ok,M |
| 11 | PB167078BL | BP024169.D | 12 Mar 2025 22:24 | RC/JU | Ok |

M : Manual Integration

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**Instrument ID: BNA_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # BP040825

| | | | | | |
|---|---|---|---|---|---|
| Review By | anahy | Review On | 4/9/2025 10:38:32 AM | | |
| Supervise By | Jagrut | Supervise On | 4/9/2025 4:51:33 PM | | |
| SubDirectory | BP040825 | HP Acquire Method | BNA_P | HP Processing Method | bp031225 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12658,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BP024210.D | 08 Apr 2025 13:02 | RC/JU | Ok |
| 2 | SSTDCCC040 | BP024211.D | 08 Apr 2025 13:43 | RC/JU | Ok,M |
| 3 | PB167474BL | BP024212.D | 08 Apr 2025 14:24 | RC/JU | Ok |
| 4 | PB167474BS | BP024213.D | 08 Apr 2025 15:04 | RC/JU | Ok |
| 5 | Q1730-01 | BP024214.D | 08 Apr 2025 15:45 | RC/JU | Ok |
| 6 | Q1730-01MS | BP024215.D | 08 Apr 2025 16:26 | RC/JU | Not Ok |
| 7 | Q1730-01MSD | BP024216.D | 08 Apr 2025 17:07 | RC/JU | Not Ok |
| 8 | Q1730-03 | BP024217.D | 08 Apr 2025 17:47 | RC/JU | Ok |
| 9 | Q1730-05 | BP024218.D | 08 Apr 2025 18:28 | RC/JU | Ok |
| 10 | Q1730-07 | BP024219.D | 08 Apr 2025 19:09 | RC/JU | Ok |
| 11 | Q1730-09 | BP024220.D | 08 Apr 2025 19:50 | RC/JU | Ok |
| 12 | Q1730-11 | BP024221.D | 08 Apr 2025 20:31 | RC/JU | Ok |
| 13 | Q1730-13 | BP024222.D | 08 Apr 2025 21:11 | RC/JU | Ok |
| 14 | Q1730-15 | BP024223.D | 08 Apr 2025 21:52 | RC/JU | Ok |
| 15 | Q1730-17 | BP024224.D | 08 Apr 2025 22:33 | RC/JU | Ok |
| 16 | Q1730-19 | BP024225.D | 08 Apr 2025 23:13 | RC/JU | Ok |
| 17 | SSTDCCC040 | BP024226.D | 08 Apr 2025 23:54 | RC/JU | Ok |

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**Instrument ID: BNA_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # BP040925

| | | | | | |
|---|---|---|---|---|---|
| Review By | anahy | Review On | 4/10/2025 10:38:27 AM | | |
| Supervise By | Jagrut | Supervise On | 4/10/2025 3:33:16 PM | | |
| SubDirectory | BP040925 | HP Acquire Method | BNA_P | HP Processing Method | bp031225 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12658,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BP024227.D | 09 Apr 2025 08:42 | RC/JU | Ok |
| 2 | SSTDCCC040 | BP024228.D | 09 Apr 2025 10:08 | RC/JU | Ok,M |
| 3 | PB167467TB | BP024229.D | 09 Apr 2025 10:49 | RC/JU | Ok |
| 4 | PB167474BS | BP024230.D | 09 Apr 2025 11:29 | RC/JU | Not Ok |
| 5 | Q1730-01MS | BP024231.D | 09 Apr 2025 12:15 | RC/JU | Ok |
| 6 | Q1730-01MSD | BP024232.D | 09 Apr 2025 12:56 | RC/JU | Ok |
| 7 | Q1737-02 | BP024233.D | 09 Apr 2025 13:37 | RC/JU | Ok |
| 8 | Q1712-04 | BP024234.D | 09 Apr 2025 14:18 | RC/JU | Ok |
| 9 | Q1712-04MS | BP024235.D | 09 Apr 2025 14:59 | RC/JU | Ok |
| 10 | Q1712-04MSD | BP024236.D | 09 Apr 2025 15:39 | RC/JU | Ok |
| 11 | Q1712-08 | BP024237.D | 09 Apr 2025 16:20 | RC/JU | Ok |
| 12 | Q1732-04 | BP024238.D | 09 Apr 2025 17:01 | RC/JU | Ok |
| 13 | Q1746-07 | BP024239.D | 09 Apr 2025 17:41 | RC/JU | Ok |
| 14 | Q1746-01 | BP024240.D | 09 Apr 2025 18:22 | RC/JU | Ok |
| 15 | Q1747-01 | BP024241.D | 09 Apr 2025 19:03 | RC/JU | Ok |
| 16 | Q1745-01 | BP024242.D | 09 Apr 2025 19:43 | RC/JU | Ok,M |
| 17 | SSTDCCC040 | BP024243.D | 09 Apr 2025 20:24 | RC/JU | Ok,M |

M : Manual Integration

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**Instrument ID:** BNA_P

## Daily Analysis Runlog For Sequence/QCBatch ID # BP031225

| | | | | | |
|---|---|---|---|---|---|
| Review By | anahy | Review On | 3/13/2025 11:41:15 AM | | |
| Supervise By | Jagrut | Supervise On | 3/17/2025 4:44:19 PM | | |
| SubDirectory | BP031225 | HP Acquire Method | BNA_P | HP Processing Method | bp031225 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12653,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BP024159.D | 12 Mar 2025 15:36 | | RC/JU | Ok |
| 2 | SSTDICC2.5 | SSTDICC2.5 | BP024160.D | 12 Mar 2025 16:17 | | RC/JU | Ok |
| 3 | SSTDICC005 | SSTDICC005 | BP024161.D | 12 Mar 2025 16:57 | Compound #32,54,65 removed from 5ppm | RC/JU | Ok,M |
| 4 | SSTDICC010 | SSTDICC010 | BP024162.D | 12 Mar 2025 17:38 | | RC/JU | Ok |
| 5 | SSTDICC020 | SSTDICC020 | BP024163.D | 12 Mar 2025 18:19 | | RC/JU | Ok |
| 6 | SSTDICCC040 | SSTDICCC040 | BP024164.D | 12 Mar 2025 19:00 | This calibration is good for 8270E and 8270E DOD methods | RC/JU | Ok |
| 7 | SSTDICC050 | SSTDICC050 | BP024165.D | 12 Mar 2025 19:41 | | RC/JU | Ok,M |
| 8 | SSTDICC060 | SSTDICC060 | BP024166.D | 12 Mar 2025 20:21 | Compound #69 Removed from 60PPM | RC/JU | Ok,M |
| 9 | SSTDICC080 | SSTDICC080 | BP024167.D | 12 Mar 2025 21:02 | Compound #32,54,69 Removed from 80PPM | RC/JU | Ok,M |
| 10 | SSTDICV040 | ICVBP031225 | BP024168.D | 12 Mar 2025 21:43 | | RC/JU | Ok,M |
| 11 | PB167078BL | PB167078BL | BP024169.D | 12 Mar 2025 22:24 | | RC/JU | Ok |

M : Manual Integration

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

**Instrument ID:** BNA_P

## Daily Analysis Runlog For Sequence/QCBatch ID # BP040825

| | | | | | |
|---|---|---|---|---|---|
| Review By | anahy | Review On | 4/9/2025 10:38:32 AM | | |
| Supervise By | Jagrut | Supervise On | 4/9/2025 4:51:33 PM | | |
| SubDirectory | BP040825 | HP Acquire Method | BNA_P | HP Processing Method | bp031225 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12658,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BP024210.D | 08 Apr 2025 13:02 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BP024211.D | 08 Apr 2025 13:43 | | RC/JU | Ok,M |
| 3 | PB167474BL | PB167474BL | BP024212.D | 08 Apr 2025 14:24 | Use only for Q1730 | RC/JU | Ok |
| 4 | PB167474BS | PB167474BS | BP024213.D | 08 Apr 2025 15:04 | Use only for Q1730 | RC/JU | Ok |
| 5 | Q1730-01 | OU4-VSL-15-040325 | BP024214.D | 08 Apr 2025 15:45 | | RC/JU | Ok |
| 6 | Q1730-01MS | OU4-VSL-15-040325MS | BP024215.D | 08 Apr 2025 16:26 | Internal Standard Fail, CCC fail low for com# 69 | RC/JU | Not Ok |
| 7 | Q1730-01MSD | OU4-VSL-15-040325MS | BP024216.D | 08 Apr 2025 17:07 | CCC fail low side for com#69 | RC/JU | Not Ok |
| 8 | Q1730-03 | OU4-VSL-16-040325 | BP024217.D | 08 Apr 2025 17:47 | | RC/JU | Ok |
| 9 | Q1730-05 | OU4-VSL-17-040325 | BP024218.D | 08 Apr 2025 18:28 | | RC/JU | Ok |
| 10 | Q1730-07 | OU4-PCS-TC-21-04032 | BP024219.D | 08 Apr 2025 19:09 | | RC/JU | Ok |
| 11 | Q1730-09 | OU4-PCS-TC-22-04032 | BP024220.D | 08 Apr 2025 19:50 | | RC/JU | Ok |
| 12 | Q1730-11 | OU4-PCS-TC-23-04032 | BP024221.D | 08 Apr 2025 20:31 | | RC/JU | Ok |
| 13 | Q1730-13 | OU4-PCS-TC-24-04032 | BP024222.D | 08 Apr 2025 21:11 | | RC/JU | Ok |
| 14 | Q1730-15 | OU4-PCS-TC-25-04032 | BP024223.D | 08 Apr 2025 21:52 | | RC/JU | Ok |
| 15 | Q1730-17 | OU4-PCS-TC-26-04032 | BP024224.D | 08 Apr 2025 22:33 | | RC/JU | Ok |
| 16 | Q1730-19 | OU4-CF-15-040325 | BP024225.D | 08 Apr 2025 23:13 | | RC/JU | Ok |
| 17 | SSTDCCC040 | SSTDCCC040EC | BP024226.D | 08 Apr 2025 23:54 | | RC/JU | Ok |

M : Manual Integration

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

**Instrument ID:** BNA_P

## Daily Analysis Runlog For Sequence/QCBatch ID # BP040925

| | | | | | |
|---|---|---|---|---|---|
| Review By | anahy | Review On | 4/10/2025 10:38:27 AM | | |
| Supervise By | Jagrut | Supervise On | 4/10/2025 3:33:16 PM | | |
| SubDirectory | BP040925 | HP Acquire Method | BNA_P | HP Processing Method | bp031225 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12658,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BP024227.D | 09 Apr 2025 08:42 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BP024228.D | 09 Apr 2025 10:08 | | RC/JU | Ok,M |
| 3 | PB167467TB | PB167467TB | BP024229.D | 09 Apr 2025 10:49 | | RC/JU | Ok |
| 4 | PB167474BS | PB167474BS | BP024230.D | 09 Apr 2025 11:29 | not used. | RC/JU | Not Ok |
| 5 | Q1730-01MS | OU4-VSL-15-040325MS | BP024231.D | 09 Apr 2025 12:15 | | RC/JU | Ok |
| 6 | Q1730-01MSD | OU4-VSL-15-040325MS | BP024232.D | 09 Apr 2025 12:56 | | RC/JU | Ok |
| 7 | Q1737-02 | RT3069 | BP024233.D | 09 Apr 2025 13:37 | | RC/JU | Ok |
| 8 | Q1712-04 | Z-05A | BP024234.D | 09 Apr 2025 14:18 | | RC/JU | Ok |
| 9 | Q1712-04MS | Z-05AMS | BP024235.D | 09 Apr 2025 14:59 | | RC/JU | Ok |
| 10 | Q1712-04MSD | Z-05AMSD | BP024236.D | 09 Apr 2025 15:39 | | RC/JU | Ok |
| 11 | Q1712-08 | TT-7 | BP024237.D | 09 Apr 2025 16:20 | | RC/JU | Ok |
| 12 | Q1732-04 | TT-8 | BP024238.D | 09 Apr 2025 17:01 | | RC/JU | Ok |
| 13 | Q1746-07 | EB-2025-4-7 | BP024239.D | 09 Apr 2025 17:41 | | RC/JU | Ok |
| 14 | Q1746-01 | B-149-SB01 | BP024240.D | 09 Apr 2025 18:22 | | RC/JU | Ok |
| 15 | Q1747-01 | ARS20-0008 | BP024241.D | 09 Apr 2025 19:03 | | RC/JU | Ok |
| 16 | Q1745-01 | IB-6A-WC | BP024242.D | 09 Apr 2025 19:43 | | RC/JU | Ok,M |
| 17 | SSTDCCC040 | SSTDCCC040EC | BP024243.D | 09 Apr 2025 20:24 | | RC/JU | Ok,M |

M : Manual Integration

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 4/7/2025

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 17:00
**In Date:** 04/04/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 103
**Time OUT:** 08:25
**Out Date:** 04/05/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID- OVEN

**QC:** LB135307

| Lab ID | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments |
|---|---|---|---|---|---|---|---|---|
| Q1729-05 | SVOC-GPC-BLANK | 1 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1729-06 | PEST-GPC-BLANK | 2 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1729-07 | PEST-GPC-BLANK-SPIKE | 3 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1729-08 | PCB-GPC-BLANK | 4 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1729-09 | PCB-GPC-BLANK-SPIKE | 5 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1729-10 | SVOC-GPC2-BLANK | 6 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1729-11 | PEST-GPC2-BLANK | 7 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1729-12 | PEST-GPC2-BLANK-SPIKE | 8 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1729-13 | PCB-GPC2-BLANK | 9 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1729-14 | PCB-GPC2-BLANK-SPIKE | 10 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1730-01 | OU4-VSL-15-040325 | 11 | 1.14 | 10.58 | 11.72 | 11.39 | 96.9 | |
| Q1730-03 | OU4-VSL-16-040325 | 12 | 1.15 | 10.28 | 11.43 | 10.86 | 94.5 | |
| Q1730-05 | OU4-VSL-17-040325 | 13 | 1.16 | 11.32 | 12.48 | 11.62 | 92.4 | |
| Q1730-07 | OU4-PCS-TC-21-040325 | 14 | 1.18 | 10.92 | 12.1 | 10.9 | 89.0 | |
| Q1730-09 | OU4-PCS-TC-22-040325 | 15 | 1.16 | 11.79 | 12.95 | 11.87 | 90.8 | |
| Q1730-11 | OU4-PCS-TC-23-040325 | 16 | 1.19 | 11.24 | 12.43 | 11.41 | 90.9 | |
| Q1730-13 | OU4-PCS-TC-24-040325 | 17 | 1.18 | 10.42 | 11.6 | 10.69 | 91.3 | |
| Q1730-15 | OU4-PCS-TC-25-040325 | 18 | 1.14 | 11.13 | 12.27 | 11.43 | 92.5 | |
| Q1730-17 | OU4-PCS-TC-26-040325 | 19 | 1.15 | 10.84 | 11.99 | 11.13 | 92.1 | |
| Q1730-19 | OU4-CF-15-040325 | 20 | 1.15 | 10.74 | 11.89 | 11.23 | 93.9 | |
| Q1732-01 | TT-8 | 21 | 1.15 | 10.40 | 11.55 | 10.48 | 89.7 | |
| Q1732-02 | TT-8-EPH | 22 | 1.15 | 10.33 | 11.48 | 10.34 | 89.0 | |
| Q1732-03 | TT-8-VOC | 23 | 1.19 | 10.01 | 11.2 | 10.11 | 89.1 | |
| Q1733-01 | ETGI-328 | 24 | 1.18 | 10.19 | 11.37 | 8.37 | 70.6 | |
| Q1733-02 | ETGI-328-E2 | 25 | 1.18 | 10.29 | 11.47 | 8.27 | 68.9 | |
| Q1734-01 | HEH6237-1-1 | 26 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | pilc |
| Q1734-02 | HEH6237-1-2 | 27 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | pilc |
| Q1734-03 | STJ23-1-1 | 28 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | pilc |

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 4/7/2025

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 17:00
**In Date:** 04/04/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 103
**Time OUT:** 08:25
**Out Date:** 04/05/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID- OVEN

**QC:** LB135307

| Lab ID | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments |
|---|---|---|---|---|---|---|---|---|
| Q1734-04 | STJ23-1-2 | 29 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | pilc |
| Q1734-05 | HIA989S-1-1 | 30 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | pilc |
| Q1734-06 | HIA989S-1-2 | 31 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | pilc |
| Q1734-07 | HED302R-1-1 | 32 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | pilc |
| Q1734-08 | HED302R-1-2 | 33 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | pilc |
| Q1734-09 | HED302R-2-1 | 34 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | pilc |
| Q1734-10 | HED302R-2-2 | 35 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | pilc |
| Q1735-01 | 50660-50661-50662-5663 -COMP | 36 | 1.18 | 10.92 | 12.1 | 10.42 | 84.6 | |
| Q1736-01 | GST1 | 37 | 1.18 | 10.04 | 11.22 | 9.07 | 78.6 | |
| Q1736-02 | GST2 | 38 | 1.18 | 10.93 | 12.11 | 9.98 | 80.5 | |
| Q1737-01 | RT3069 | 39 | 1.19 | 11.58 | 12.77 | 11.34 | 87.7 | |
| Q1738-01 | OK-02-040425 | 40 | 1.16 | 10.34 | 11.5 | 10.06 | 86.1 | |
| Q1738-02 | OK-02-040425-E2 | 41 | 1.19 | 10.54 | 11.73 | 10.37 | 87.1 | |

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

# WORKLIST(Hardcopy Internal Chain)

VB 135307

**WorkList Name :** %1-040425 **WorkList ID :** 188724 **Department :** Wet-Chemistry **Date :** 04-04-2025 08:12:22

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1736-01 | GST1 | Solid | Percent Solids | Cool 4 deg C | GENV01 | L21 | 04/04/2025 | Chemtech -SO |
| Q1736-02 | GST2 | Solid | Percent Solids | Cool 4 deg C | GENV01 | L21 | 04/04/2025 | Chemtech -SO |
| Q1730-01 | OU4-VSL-15-040325 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | Chemtech -SO |
| Q1730-03 | OU4-VSL-16-040325 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | Chemtech -SO |
| Q1730-05 | OU4-VSL-17-040325 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | Chemtech -SO |
| Q1730-07 | OU4-PCS-TC-21-040325 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | Chemtech -SO |
| Q1730-09 | OU4-PCS-TC-22-040325 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | Chemtech -SO |
| Q1730-11 | OU4-PCS-TC-23-040325 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | Chemtech -SO |
| Q1730-13 | OU4-PCS-TC-24-040325 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | Chemtech -SO |
| Q1730-15 | OU4-PCS-TC-25-040325 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | Chemtech -SO |
| Q1730-17 | OU4-PCS-TC-26-040325 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | Chemtech -SO |
| Q1730-19 | OU4-CF-15-040325 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | Chemtech -SO |
| Q1729-05 | SVOC-GPC-BLANK | Solid | Percent Solids | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | Chemtech -SO |
| Q1729-06 | PEST-GPC-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 04/04/2025 | Chemtech -SO |
| Q1729-07 | PEST-GPC-BLANK-SPIKE | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 04/04/2025 | Chemtech -SO |
| Q1729-08 | PCB-GPC-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 04/04/2025 | Chemtech -SO |
| Q1729-09 | PCB-GPC-BLANK-SPIKE | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 04/04/2025 | Chemtech -SO |
| Q1729-10 | SVOC-GPC2-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 04/04/2025 | Chemtech -SO |
| Q1729-11 | PEST-GPC2-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 04/04/2025 | Chemtech -SO |
| Q1729-12 | PEST-GPC2-BLANK-SPIKE | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 04/04/2025 | Chemtech -SO |
| Q1729-13 | PCB-GPC2-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 04/04/2025 | Chemtech -SO |

**Date/Time** 04/04/25 1520

**Raw Sample Received by:** JB (ADC)

**Raw Sample Relinquished by:** SM

**Date/Time** 04/04/25 17:15

**Raw Sample Received by:** SM

**Raw Sample Relinquished by:** JB (8.0C)

# WORKLIST(Hardcopy Internal Chain)

WP135307

**WorkList Name :** %1-040425 **WorkList ID :** 188724 **Department :** Wet-Chemistry **Date :** 04-04-2025 08:12:22

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1729-14 | PCB-GPC2-BLANK-SPIKE | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 04/04/2025 | Chemtech -SO |
| Q1732-01 | TT-8 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1732-02 | TT-8-EPH | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1732-03 | TT-8-VOC | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1733-01 | ETGI-328 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1733-02 | ETGI-328-E2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | I31 | 04/04/2025 | Chemtech -SO |
| Q1734-01 | HEH6237-1-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | I31 | 04/04/2025 | Chemtech -SO |
| Q1734-08 | HED302R-1-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1734-09 | HED302R-2-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1734-10 | HED302R-2-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1735-01 | 50660-50661-50662-5663-COM | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1737-01 | RT3069 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1734-02 | HEH6237-1-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1734-03 | STJ23-1-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1734-04 | STJ23-1-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1734-05 | HIA989S-1-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1734-06 | HIA989S-1-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1734-07 | HED302R-1-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1738-01 | OK-02-040425 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1738-02 | OK-02-040425-E2 | Solid | Percent Solids | Cool 4 deg C | PSEG05 | L31 | 04/04/2025 | Chemtech -SO |

Date/Time 04/04/25 15:20

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 04/04/25 17:15

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

PB167474

| | | | | | |
|---|---|---|---|---|---|
| **SOP ID:** | M3541-ASE Extraction-14 | | | | |
| **Clean Up SOP #:** | N/A | | | **Extraction Start Date :** | 04/07/2025 |
| **Matrix :** | Solid | | | **Extraction Start Time :** | 08:55 |
| **Weigh By:** | EH | **Extraction By:** | RJ | **Extraction End Date :** | 04/07/2025 |
| **Balance check:** | RJ | **Filter By:** | RJ | **Extraction End Time :** | 12:00 |
| **Balance ID:** | EX-SC-2 | **pH Meter ID:** | N/A | **Concentration By:** | EH |
| **pH Strip Lot#:** | N/A | **Hood ID:** | 3,7 | **Supervisor By :** | rajesh |

**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 | SP6752 |
| 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 |
|---|---|---|
| MeCl2/Acetone/1:1 | N/A | EP2591 |
| Baked Na2SO4 | N/A | EP2597 |
| Sand | N/A | EP2865 |
| Methylene Chloride | N/A | E3904 |
| 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:**

1.5ML Vial Lot # 2210673.

| | | | |
|---|---|---|---|
| **KD Bath ID:** | N/A | **Envap ID:** | NEVAP-02 |
| **KD Bath Temperature:** | N/A | **Envap Temperature:** | 40 °C |

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 04/07/25 | RP (Ext lab) | RC/SVOC |
| 12:05 | **Preparation Group** | **Analysis Group** |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB167474**

**Analytical Method:** M3541-ASE Extraction-14

**Concentration Date:** 04/07/2025

| Sample ID | Client Sample ID | Test | g / mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB167474BL | SBLK474 | SVOCMS Group3 | 30.03 | N/A | ritesh | Evelyn | 1 | | | U6-1 |
| PB167474BS | SLCS474 | SVOCMS Group3 | 30.02 | N/A | ritesh | Evelyn | 1 | | | 2 |
| Q1730-01 | OU4-VSL-15-040325 | SVOCMS Group3 | 30.05 | N/A | ritesh | Evelyn | 1 | E | | 3 |
| Q1730-01MS | OU4-VSL-15-040325MS | SVOCMS Group3 | 30.07 | N/A | ritesh | Evelyn | 1 | E | | 4 |
| Q1730-01MSD | OU4-VSL-15-040325MSD | SVOCMS Group3 | 30.06 | N/A | ritesh | Evelyn | 1 | E | | 5 |
| Q1730-03 | OU4-VSL-16-040325 | SVOCMS Group3 | 30.03 | N/A | ritesh | Evelyn | 1 | E | | 6 |
| Q1730-05 | OU4-VSL-17-040325 | SVOCMS Group3 | 30.01 | N/A | ritesh | Evelyn | 1 | E | | U2-1 |
| Q1730-07 | OU4-PCS-TC-21-040325 | SVOCMS Group3 | 30.05 | N/A | ritesh | Evelyn | 1 | E | | 2 |
| Q1730-09 | OU4-PCS-TC-22-040325 | SVOCMS Group3 | 30.02 | N/A | ritesh | Evelyn | 1 | E | | 3 |
| Q1730-11 | OU4-PCS-TC-23-040325 | SVOCMS Group3 | 30.07 | N/A | ritesh | Evelyn | 1 | E | | 4 |
| Q1730-13 | OU4-PCS-TC-24-040325 | SVOCMS Group3 | 30.03 | N/A | ritesh | Evelyn | 1 | E | | 5 |
| Q1730-15 | OU4-PCS-TC-25-040325 | SVOCMS Group3 | 30.06 | N/A | ritesh | Evelyn | 1 | E | | 6 |
| Q1730-17 | OU4-PCS-TC-26-040325 | SVOCMS Group3 | 30.04 | N/A | ritesh | Evelyn | 1 | E | | U3-1 |
| Q1730-19 | OU4-CF-15-040325 | SVOCMS Group3 | 30.03 | N/A | ritesh | Evelyn | 1 | E | | 2 |
| Q1732-01 | TT-8 | SVOC-TCL BNA -20 | 50.03 | N/A | ritesh | Evelyn | 1 | D | | 3 |
| Q1733-01 | ETGI-328 | SVOC-TCL BNA -20 | 30.01 | N/A | ritesh | Evelyn | 1 | E | Small Particle | 4 |
| Q1737-01 | RT3069 | SVOC-TCL BNA -20 | 50.05 | N/A | ritesh | Evelyn | 1 | D | | 5 |
| Q1738-01 | OK-02-040425 | SVOC-TCL BNA -20 | 50.02 | N/A | ritesh | Evelyn | 1 | E | | 6 |

* **Extracts relinquished on the same date as received.**

4/7/25

Q1730-SVOCMS Group3

04/04/25 8:55

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** Q1733 **WorkList ID :** 188761 **Department :** Extraction **Date :** 04-07-2025 08:18:15

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1730-01 | OU4-VSL-15-040325 | Solid | SVOCMS Group3 | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | 8270E |
| Q1730-03 | OU4-VSL-16-040325 | Solid | SVOCMS Group3 | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | 8270E |
| Q1730-05 | OU4-VSL-17-040325 | Solid | SVOCMS Group3 | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | 8270E |
| Q1730-07 | OU4-PCS-TC-21-040325 | Solid | SVOCMS Group3 | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | 8270E |
| Q1730-09 | OU4-PCS-TC-22-040325 | Solid | SVOCMS Group3 | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | 8270E |
| Q1730-11 | OU4-PCS-TC-23-040325 | Solid | SVOCMS Group3 | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | 8270E |
| Q1730-13 | OU4-PCS-TC-24-040325 | Solid | SVOCMS Group3 | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | 8270E |
| Q1730-15 | OU4-PCS-TC-25-040325 | Solid | SVOCMS Group3 | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | 8270E |
| Q1730-17 | OU4-PCS-TC-26-040325 | Solid | SVOCMS Group3 | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | 8270E |
| Q1730-19 | OU4-CF-15-040325 | Solid | SVOCMS Group3 | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | 8270E |
| Q1732-01 | TT-8 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | 8270E |
| Q1733-01 | ETGI-328 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | I31 | 04/04/2025 | 8270E |
| Q1737-01 | RT3069 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | 8270E |
| Q1738-01 | OK-02-040425 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG05 | L31 | 04/04/2025 | 8270E |

953 of 1535

**Date/Time** 04/07/25 8:50
**Raw Sample Received by:** RJ (Ext Lab)
**Raw Sample Relinquished by:** CP SM

**Date/Time** 04/07/25 9:15
**Raw Sample Received by:** CP SM
**Raw Sample Relinquished by:** RJ (Ext Lab)



19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

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# Prep Standard - Chemical Standard Summary

**Order ID :** Q1730

**Test :** SVOCMS Group3

**Prepbatch ID :** PB167474,

**Sequence ID/Qc Batch ID:** bp040825,BP040925,

**Standard ID :**
EP2591,EP2597,EP2865,SP6685,SP6686,SP6721,SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729,SP6752,SP6754,SP6757,

**Chemical ID :**
10ul/1000ul sample,E3551,E3828,E3874,E3876,E3878,E3902,E3904,S10104,S10397,S10584,S11074,S11087,S11143,S11161,S11487,S11495,S11650,S11785,S11786,S11787,S11788,S12114,S12142,S12189,S12190,S12191,S12192,S12193,S12194,S12195,S12208,S12209,S12210,S12211,S12212,S12213,S12214,S12215,S12216,S12270,S12276,S12327,S12469,S12478,S12479,S12480,S12481,S12482,S12483,S12484,S12485,S12486,S12517,S12525,S12526,S12527,S12528,S12529,S12530,S12531,S12532,S12533,S12577,S12649,S12658,S12791,S12966,S12967,S12968,S12969,S12970,S12971,S12972,S12973,S12974,

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# Extractions STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 2017 | 1:1 ACETONE/METHYLENE CHLORIDE | EP2591 | 02/26/2025 | 08/14/2025 | RUPESHKUMAR SHAH | None | None | Riteshkumar Patel 02/26/2025 |

**FROM** 8000.00000ml of E3876 + 8000.00000ml of E3878 = Final Quantity: 16000.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3923 | Baked Sodium Sulfate | EP2597 | 03/28/2025 | 07/01/2025 | Rajesh Parikh | Extraction_SCALE_2 (EX-SC-2) | None | Evelyn Huang 03/28/2025 |

**FROM** 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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# SVOC STANDARD PREPARATION LOG

| 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) | SP6685 | 11/15/2024 | 04/10/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 12/27/2024 |

**FROM** 0.04000ml of S12189 + 0.08000ml of S12208 + 0.10000ml of S11074 + 0.20000ml of S12142 + 0.20000ml of S12469 + 0.20000ml of S12517 + 1.18000ml of E3828 = Final Quantity: 2.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 416 | 40 ng BNA ICV, 40 PPM | SP6686 | 11/15/2024 | 04/10/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 12/27/2024 |

**FROM** 0.01000ml of S12327 + 0.60000ml of E3828 + 0.40000ml of SP6685 = 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 |
|---|---|---|---|---|---|---|---|---|
| 3764 | 8270/625 Stock solution 100 ng | SP6721 | 01/30/2025 | 05/12/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 02/07/2025 |

**FROM** 0.26700ml of S10104 + 0.40000ml of S11495 + 0.50000ml of S12114 + 1.00000ml of S11087 + 1.00000ml of S11161 + 1.00000ml of S12270 + 1.00000ml of S12276 + 1.00000ml of S12791 + 3.83300ml of E3874 = 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 | SP6722 | 01/30/2025 | 05/12/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 02/07/2025 |

**FROM** 0.01000ml of S12649 + 0.20000ml of E3874 + 0.80000ml of SP6721 = 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 | SP6723 | 01/30/2025 | 05/12/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 02/07/2025 |

**FROM** 0.01000ml of S12649 + 0.40000ml of E3874 + 0.60000ml of SP6721 = 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 | SP6724 | 01/30/2025 | 05/12/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 02/07/2025 |

**FROM** 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6721 = 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 | SP6725 | 01/30/2025 | 05/12/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 02/07/2025 |

**FROM** 0.01000ml of S12649 + 0.60000ml of E3874 + 0.40000ml of SP6721 = 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 | SP6726 | 01/30/2025 | 05/12/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 02/07/2025 |

**FROM** 0.01000ml of S12649 + 0.80000ml of E3874 + 0.20000ml of SP6721 = 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 |
|---|---|---|---|---|---|---|---|---|
| 408 | 10 ng BNA ICC, 10 PPM | SP6727 | 01/30/2025 | 05/12/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 02/07/2025 |

**FROM** 0.01000ml of S12649 + 0.90000ml of E3874 + 0.10000ml of SP6721 = Final Quantity: 1.010 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 407 | 5 ng BNA ICC, 5 PPM | SP6728 | 01/30/2025 | 05/12/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 02/07/2025 |

**FROM** 0.01000ml of S12649 + 0.95000ml of E3874 + 0.05000ml of SP6721 = 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 | SP6729 | 01/30/2025 | 05/12/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 02/07/2025 |

**FROM** 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6728 = 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 | SP6752 | 03/10/2025 | 05/31/2025 | Rahul Chavli | None | None | Jagrut Upadhyay 04/03/2025 |

**FROM** 0.10000ml of S12478 + 0.30000ml of S12525 + 0.40000ml of S10397 + 0.40000ml of S10584 + 0.40000ml of S11143 + 0.40000ml of S11487 + 0.40000ml of S11650 + 0.40000ml of S12533 + 0.40000ml of S12974 + 0.60000ml of S12486 + 0.80000ml of S12966 + 1.10000ml of S11788 + 1.20000ml of S11785 + 1.20000ml of S12483 + 1.20000ml of S12526 + 1.20000ml of S12967 + 1.20000ml of S12968 + 1.20000ml of S12970 + 1.20000ml of S12972 + 1.30000ml of S11786 + 1.30000ml of S12481 + 1.30000ml of S12482 + 1.30000ml of S12484 + 1.30000ml of S12528 + 1.30000ml of S12529 + 1.30000ml of S12531 + 1.30000ml of S12969 + 1.30000ml of S12973 + 1.40000ml of S11787 + 1.40000ml of S12479 + 1.40000ml of S12480 + 1.40000ml of S12485 + 1.40000ml of S12527 + 1.40000ml of S12530 + 1.40000ml of S12532 + 1.40000ml of S12971 + 163.00000ml of E3876 = 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 |
|---|---|---|---|---|---|---|---|---|
| 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

| 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

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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 # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L) | 24G0862003 | 05/09/2025 | 11/09/2024 / Rajesh | 11/04/2024 / Rajesh | E3828 |

| 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 | 07/30/2025 | 01/30/2025 / Rajesh | 01/20/2025 / Rajesh | E3874 |

| 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 | 08/25/2025 | 02/25/2025 / | 02/12/2025 / Rajesh | E3876 |

| 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 | 08/14/2025 | 02/14/2025 / Rajesh | 12/27/2024 / Rajesh | E3878 |

| 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 |

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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) | 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 # |
|---|---|---|---|---|---|---|
| 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 | 01/29/2025 / anahy | 05/18/2022 / Christian | S10397 |

| 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 | 31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride | A0187043 | 05/15/2025 | 11/15/2024 / Jagrut | 02/06/2023 / Christian | S11074 |

| 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) | 406703 | 07/30/2025 | 01/30/2025 / anahy | 02/07/2023 / Christian | S11087 |

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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 | 555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2] | A0194702 | 07/29/2025 | 01/29/2025 / anahy | 02/20/2023 / Christian | S11143 |

| 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 | 01/30/2025 / anahy | 03/06/2023 / Christian | S11161 |

| 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 | 08/31/2026 | 01/29/2025 / anahy | 08/10/2023 / yogesh | S11487 |

| 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 | 05/12/2025 | 11/12/2024 / Jagrut | 08/11/2023 / Yogesh | S11495 |

| 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 | 07/29/2025 | 01/29/2025 / anahy | 11/21/2023 / Rahul | S11785 |

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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 | 09/10/2025 | 03/10/2025 / anahy | 11/21/2023 / Rahul | S11786 |

| 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 | S11787 |

| 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 # |
|---|---|---|---|---|---|---|
| CPI International | z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml | 454157 | 05/12/2025 | 11/12/2024 / Jagrut | 03/08/2024 / Rahul | S12114 |

| 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] | A0203726 | 04/30/2025 | 11/14/2024 / anahy | 03/15/2024 / Rahul | S12142 |

| 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 | 04/10/2025 | 10/10/2024 / anahy | 03/15/2024 / Rahul | S12189 |

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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 | S12190 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul | A0206206 | 09/18/2025 | 03/18/2025 / anahy | 03/15/2024 / Rahul | S12191 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul | A0206206 | 09/18/2025 | 03/18/2025 / anahy | 03/15/2024 / Rahul | S12192 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul | A0206206 | 09/18/2025 | 03/18/2025 / anahy | 03/15/2024 / Rahul | S12193 |

| 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 |

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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 | 05/15/2025 | 11/15/2024 / Jagrut | 03/15/2024 / Rahul | S12208 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0206381 | 09/18/2025 | 03/18/2025 / anahy | 03/15/2024 / Rahul | S12209 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0206381 | 09/18/2025 | 03/18/2025 / anahy | 03/15/2024 / Rahul | S12210 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0206381 | 09/18/2025 | 03/18/2025 / anahy | 03/15/2024 / Rahul | S12211 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0206381 | 09/18/2025 | 03/18/2025 / anahy | 03/15/2024 / Rahul | S12212 |

| 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 |

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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 | S12214 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0206381 | 09/18/2025 | 03/18/2025 / anahy | 03/15/2024 / Rahul | S12215 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml | A0206381 | 09/18/2025 | 03/18/2025 / anahy | 03/15/2024 / Rahul | S12216 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml | 520963 | 07/30/2025 | 01/30/2025 / anahy | 05/24/2024 / Rahul | S12270 |

| 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 | 05/12/2025 | 11/12/2024 / Jagrut | 05/24/2024 / Rahul | S12276 |

| 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 | A0206540 | 05/12/2025 | 11/12/2024 / anahy | 05/30/2024 / Rahul | S12327 |

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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 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12469 |

| 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 | 07/29/2025 | 01/29/2025 / anahy | 07/23/2024 / RAHUL | S12478 |

| 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 | S12479 |

| 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 | S12480 |

| 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 | S12481 |

| 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 | S12482 |

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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 | 09/10/2025 | 03/10/2025 / anahy | 07/23/2024 / RAHUL | S12483 |

| 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 | S12484 |

| 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 | S12485 |

| 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 | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 05/14/2025 | 11/14/2024 / anahy | 07/23/2024 / RAHUL | S12517 |

| 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 | 07/29/2025 | 01/29/2025 / anahy | 07/23/2024 / RAHUL | S12525 |

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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 | 09/10/2025 | 03/10/2025 / anahy | 07/23/2024 / RAHUL | S12526 |

| 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 | 09/10/2025 | 03/10/2025 / anahy | 07/23/2024 / RAHUL | S12527 |

| 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 | 09/10/2025 | 03/10/2025 / anahy | 07/23/2024 / RAHUL | S12528 |

| 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 | 09/10/2025 | 03/10/2025 / anahy | 07/23/2024 / RAHUL | S12529 |

| 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 | 09/10/2025 | 03/10/2025 / anahy | 07/23/2024 / RAHUL | S12530 |

| 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 | 09/10/2025 | 03/10/2025 / anahy | 07/23/2024 / RAHUL | S12531 |

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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 | 09/10/2025 | 03/10/2025 / anahy | 07/23/2024 / RAHUL | S12532 |

| 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 | 09/10/2025 | 03/10/2025 / anahy | 07/23/2024 / RAHUL | S12533 |

| 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 | 07/21/2025 | 01/21/2025 / anahy | 09/20/2024 / anahy | S12649 |

| 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 # |
|---|---|---|---|---|---|---|
| CPI International | Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days) | 414127 | 06/21/2025 | 01/30/2025 / anahy | 05/24/2024 / Rahul | S12791 |

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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 | 07/29/2025 | 01/29/2025 / anahy | 12/11/2024 / anahy | S12966 |

| 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 | S12967 |

| 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 | S12968 |

| 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 | S12969 |

| 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 | S12970 |

| 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 | S12971 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0219438 | 09/10/2025 | 03/10/2025 / anahy | 12/11/2024 / anahy | S12972 |

| 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 | S12973 |

| 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 |

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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-010074-07 | 406703 | ≤ -10 °C | Methylene Chloride | 3/30/2025 | 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 | 99.5 | 74.3.26P | 989 ± 7.53 |

Received on
02/07/23
by
CG

S11084
to
S11088

*Not a certified value

Certified By: _____
Jacob Mulloy
**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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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
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

# Certificate of Analysis

Rev 0 

| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-112090-04 | 440246 | ≤ -10 °C | Methylene Chloride | 2/16/2026 | CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| 2-chlorophenol-$d_4$ | 93951-73-6 | 99.3 | 248.12.7P | 7487 ± 17.2 |
| 2-fluorophenol | 367-12-4 | 99.8 | 10.7.3.3P | 7513 ± 17.26 |
| phenol-d6 | 13127-88-3 | 99.9 | 949.120.8P | 7481 ± 17.19 |
| 2,4,6-tribromophenol | 118-79-6 | 99.8 | 12.1.6P | 7469 ± 17.17 |

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione

Erica Castiglione
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK®
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www.restek.com

# CERTIFIED REFERENCE MATERIAL

## Gravimetric Certificate

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.*

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
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Tel: (800)356-1688
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# CERTIFIED REFERENCE MATERIAL

## Gravimetric Certificate

ACCREDITED
ISO 17034 Accredited
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Certificate #3222.01

ACCREDITED
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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
S 10583
to
S 10592

**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® 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.*

Received on 02/06/23 by CG

S11071 to S11075

**Catalog No. :** 31853 **Lot No.:** A0187043

**Description :** 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2027 **Storage:** 0°C or colder

**Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | | |
|---|---|---|---|---|---|
| 1 | 1,4-Dioxane | 2,019.0 µg/mL | +/- 11.8486 | µg/mL | Gravimetric |
| | **CAS #** 123-91-1 (Lot SHBN5929) | | +/- 43.2570 | µg/mL | Unstressed |
| | **Purity** 99% | | +/- 44.5129 | µg/mL | Stressed |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

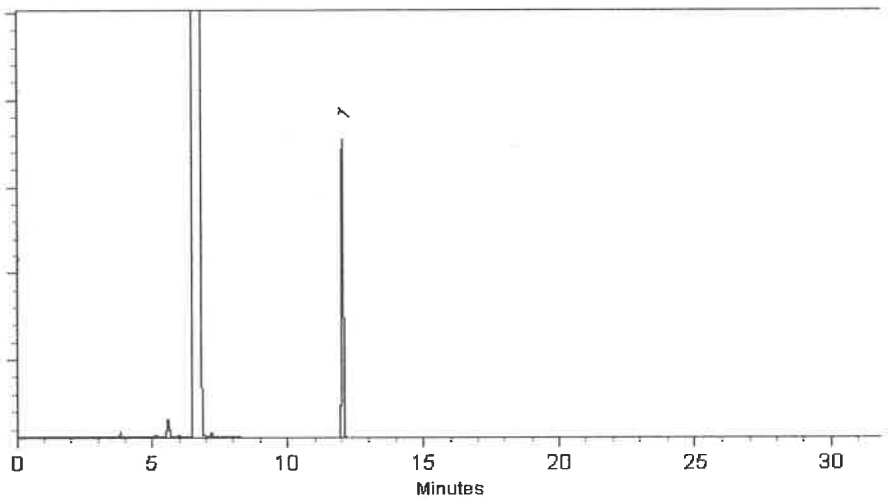
**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID




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.

Brittany Federinko - Operations Tech I

**Date Mixed:** 07-Jul-2022 **Balance:** 1128360905

Marlina Cowan – Operations Tech II ARM QC

**Date Passed:** 12-Jul-2022

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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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

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# 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 RB on 7/24/23 E3551

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24J0862003
Manufactured Date: 2024-09-12
Expiration Date:2025-12-12
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | 2 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 1 |
| Assay ($CH_2Cl_2$) (by GC, exclusive of preservative, corrected for water) | >= 99.8 % | 100.0 % |
| Color (APHA) | <= 10 | 5 |
| Residue after Evaporation | <= 1.0 ppm | 0.2 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 3828

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

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

E 3874

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

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date:2026-01-07
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | 1 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 2 |
| Assay ($CH_2Cl_2$) (by GC, exclusive of preservative, corrected for water) | >= 99.8 % | 100.0 % |
| Color (APHA) | <= 10 | 5 |
| Residue after Evaporation | <= 1.0 ppm | 0.5 ppm |
| Titrable Acid (µeq/g) | <= 0.3 | 0.0 |
| 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 3878

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: PO2-798 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
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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

S11484 ↓ 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*

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

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**Catalog No. :** 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.)

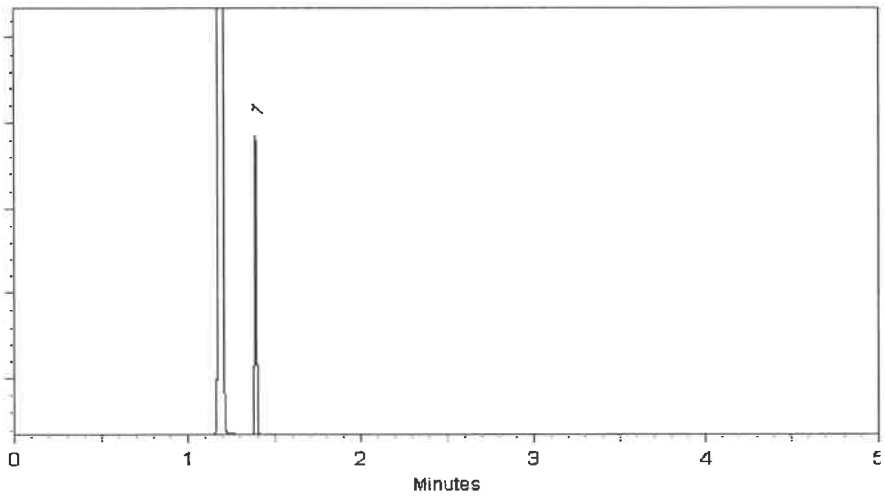
**Inj. Temp:**
250°C

**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

S11749 ↓ S11794 RC 11/30/23

**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

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.)

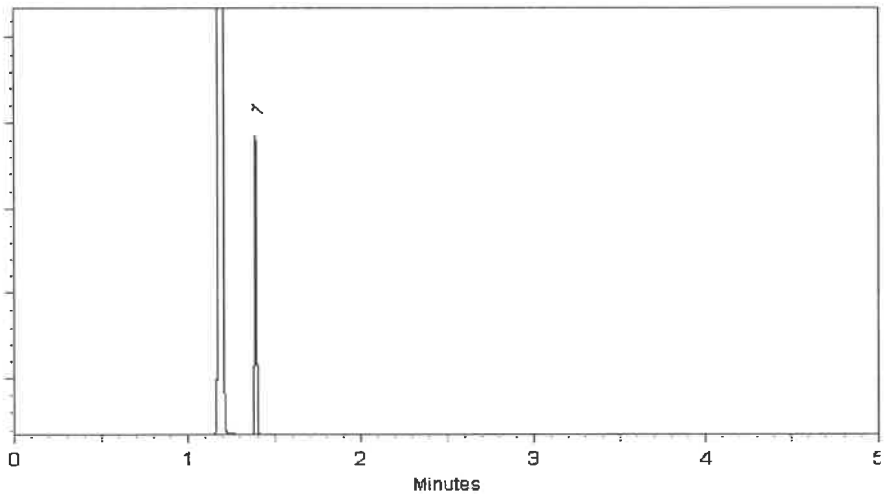
**Inj. Temp:**
250°C

**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.)

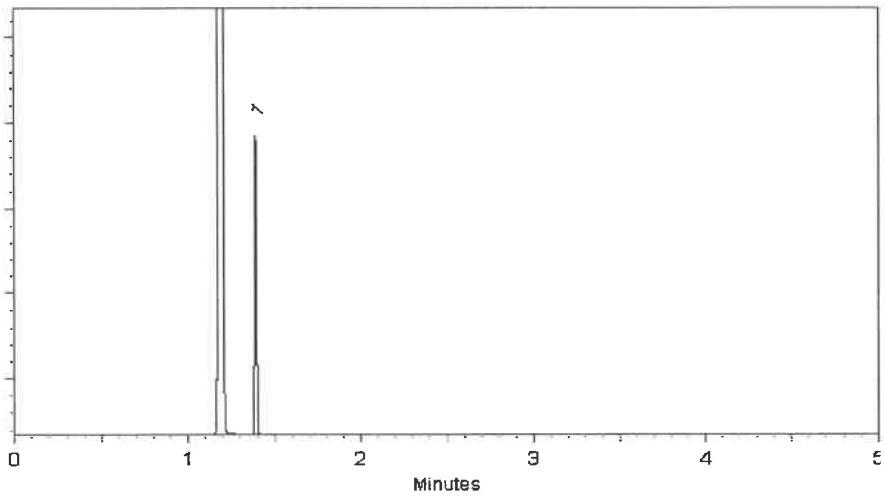
**Inj. Temp:**
250°C

**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.
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### Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
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### Manufacturing Notes:

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### Handling Notes:

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

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**Catalog No. :** 31853 **Lot No.:** A0196453

S11749 ↓ S11794 RC 11/30/23

**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

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.)

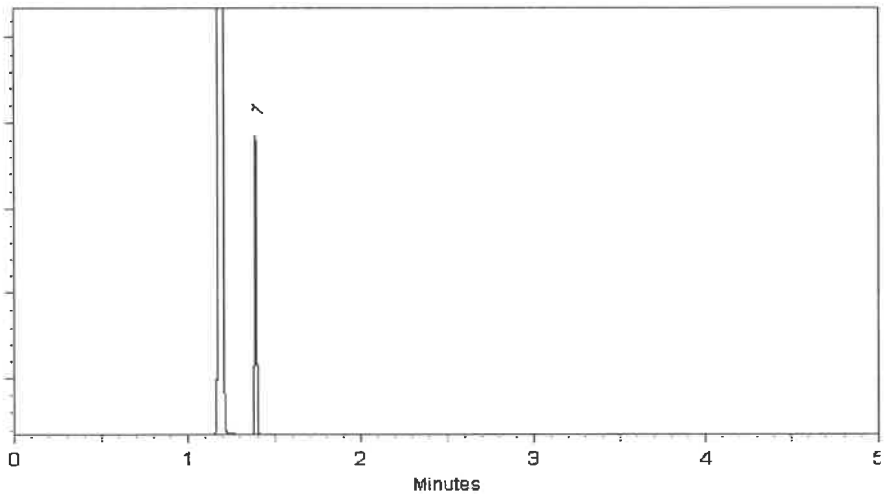
**Inj. Temp:**
250°C

**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:

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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:

- 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

*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.:** A0203726

**Description :** 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 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% | 1,001.6 µg/mL | +/- 36.4412 |
| 2 | N-Nitrosodimethylamine | 62-75-9 | 230209JLM | 99% | 1,005.9 µg/mL | +/- 36.5968 |
| 3 | Phenol | 108-95-2 | MKCK1120 | 99% | 1,003.3 µg/mL | +/- 36.5038 |
| 4 | Aniline | 62-53-3 | X22F726 | 99% | 1,005.8 µg/mL | +/- 36.5928 |
| 5 | Bis(2-chloroethyl)ether | 111-44-4 | SHBL6942 | 99% | 1,008.1 µg/mL | +/- 36.6776 |
| 6 | 2-Chlorophenol | 95-57-8 | STBJ3909 | 99% | 1,001.8 µg/mL | +/- 36.4492 |
| 7 | 1,3-Dichlorobenzene | 541-73-1 | BCCD5315 | 99% | 1,002.3 µg/mL | +/- 36.4654 |
| 8 | 1,4-Dichlorobenzene | 106-46-7 | MKBS7929V | 99% | 1,003.7 µg/mL | +/- 36.5159 |
| 9 | Benzyl alcohol | 100-51-6 | SHBK5469 | 99% | 1,008.7 µg/mL | +/- 36.6979 |
| 10 | 1,2-Dichlorobenzene | 95-50-1 | SHBN3835 | 99% | 1,000.3 µg/mL | +/- 36.3926 |
| 11 | 2-Methylphenol (o-cresol) | 95-48-7 | SHBN7598 | 99% | 1,003.5 µg/mL | +/- 36.5099 |
| 12 | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99% | 1,007.3 µg/mL | +/- 36.6493 |
| 13 | 3-Methylphenol (m-cresol) | 108-39-4 | STBJ0710 | 99% | 504.3 µg/mL | +/- 18.3500 |
| 14 | 4-Methylphenol (p-cresol) | 106-44-5 | SHBN3411 | 99% | 503.6 µg/mL | +/- 18.3237 |
| 15 | N-Nitroso-di-n-propylamine | 621-64-7 | N63MG | 99% | 1,008.3 µg/mL | +/- 36.6857 |
| 16 | Hexachloroethane | 67-72-1 | QTORH | 99% | 1,007.5 µg/mL | +/- 36.6554 |
| 17 | Nitrobenzene | 98-95-3 | 10224044 | 99% | 1,008.6 µg/mL | +/- 36.6938 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 18 | Isophorone | 78-59-1 | MKCC9506 | 99% | 1,005.9 | µg/mL | +/- | 36.5988 |
| 19 | 2-Nitrophenol | 88-75-5 | RP230710 | 99% | 1,003.2 | µg/mL | +/- | 36.4998 |
| 20 | 2,4-Dimethylphenol | 105-67-9 | XW5GK | 99% | 1,003.8 | µg/mL | +/- | 36.5200 |
| 21 | Bis(2-chloroethoxy)methane | 111-91-1 | 13670200 | 99% | 1,002.1 | µg/mL | +/- | 36.4573 |
| 22 | 2,4-Dichlorophenol | 120-83-2 | BCBZ6787 | 99% | 1,003.7 | µg/mL | +/- | 36.5180 |
| 23 | 1,2,4-Trichlorobenzene | 120-82-1 | SHBP5900 | 99% | 1,007.6 | µg/mL | +/- | 36.6574 |
| 24 | Naphthalene | 91-20-3 | STBL1057 | 99% | 1,008.3 | µg/mL | +/- | 36.6837 |
| 25 | 4-Chloroaniline | 106-47-8 | BCCJ3217 | 99% | 1,001.3 | µg/mL | +/- | 36.4290 |
| 26 | Hexachlorobutadiene | 87-68-3 | RP230823RSR | 98% | 1,008.3 | µg/mL | +/- | 36.6829 |
| 27 | 4-Chloro-3-methylphenol | 59-50-7 | BCCD4461 | 99% | 1,003.1 | µg/mL | +/- | 36.4937 |
| 28 | 2-Methylnaphthalene | 91-57-6 | STBK0259 | 96% | 1,001.9 | µg/mL | +/- | 36.4505 |
| 29 | 1-Methylnaphthalene | 90-12-0 | 5234.00-8 | 98% | 1,000.0 | µg/mL | +/- | 36.3838 |
| 30 | Hexachlorocyclopentadiene | 77-47-4 | 099063I14L | 98% | 1,008.5 | µg/mL | +/- | 36.6909 |
| 31 | 2,4,6-Trichlorophenol | 88-06-2 | STBJ5914 | 99% | 1,004.4 | µg/mL | +/- | 36.5442 |
| 32 | 2,4,5-Trichlorophenol | 95-95-4 | FHN01 | 98% | 1,001.9 | µg/mL | +/- | 36.4512 |
| 33 | 2-Chloronaphthalene | 91-58-7 | RPN7O | 99% | 1,001.1 | µg/mL | +/- | 36.4230 |
| 34 | 2-Nitroaniline | 88-74-4 | RP230531 | 99% | 1,002.9 | µg/mL | +/- | 36.4876 |
| 35 | 1,4-Dinitrobenzene | 100-25-4 | RP230816 | 99% | 1,005.7 | µg/mL | +/- | 36.5887 |
| 36 | Acenaphthylene | 208-96-8 | p06V | 98% | 1,009.5 | µg/mL | +/- | 36.7265 |
| 37 | 1,3-Dinitrobenzene | 99-65-0 | 1-DXX-24-1 | 99% | 1,004.4 | µg/mL | +/- | 36.5422 |
| 38 | Dimethylphthalate | 131-11-3 | 358221L17K | 99% | 1,005.9 | µg/mL | +/- | 36.5968 |
| 39 | 2,6-Dinitrotoluene | 606-20-2 | BCCG1833 | 99% | 1,003.2 | µg/mL | +/- | 36.4998 |
| 40 | 1,2-Dinitrobenzene | 528-29-0 | RP230428 | 99% | 1,002.2 | µg/mL | +/- | 36.4634 |
| 41 | Acenaphthene | 83-32-9 | MKCR7169 | 99% | 1,009.3 | µg/mL | +/- | 36.7221 |
| 42 | 3-Nitroaniline | 99-09-2 | RP230822RSR | 99% | 1,003.9 | µg/mL | +/- | 36.5240 |
| 43 | 2,4-Dinitrophenol | 51-28-5 | DR230417RSR | 99% | 1,002.0 | µg/mL | +/- | 36.4553 |
| 44 | Dibenzofuran | 132-64-9 | MKCD9952 | 99% | 1,006.7 | µg/mL | +/- | 36.6251 |
| 45 | 2,4-Dinitrotoluene | 121-14-2 | MKAA0690V | 99% | 1,003.8 | µg/mL | +/- | 36.5220 |
| 46 | 4-Nitrophenol | 100-02-7 | RP230627 | 99% | 1,002.3 | µg/mL | +/- | 36.4674 |
| 47 | 2,3,4,6-Tetrachlorophenol | 58-90-2 | PR-30126 | 99% | 1,008.7 | µg/mL | +/- | 36.6979 |
| 48 | 2,3,5,6-Tetrachlorophenol | 935-95-5 | RP230919 | 99% | 1,006.3 | µg/mL | +/- | 36.6130 |
| 49 | Fluorene | 86-73-7 | 10241100 | 99% | 1,008.3 | µg/mL | +/- | 36.6857 |
| 50 | 4-Chlorophenyl phenyl ether | 7005-72-3 | MKCT7248 | 99% | 1,003.8 | µg/mL | +/- | 36.5220 |
| 51 | Diethylphthalate | 84-66-2 | MKCD2547 | 99% | 1,008.6 | µg/mL | +/- | 36.6958 |
| 52 | 4-Nitroaniline | 100-01-6 | RP230111 | 99% | 1,001.1 | µg/mL | +/- | 36.4230 |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1 | 230718JLM | 99% | 1,002.0 | µg/mL | +/- | 36.4553 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54 | Diphenylamine | 122-39-4 | MKCH1042 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 55 | Azobenzene | 103-33-3 | BCCK0887 | 99% | 1,005.8 | µg/mL | +/- 36.5928 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361 | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 57 | Hexachlorobenzene | 118-74-1 | 14821700 | 99% | 1,007.5 | µg/mL | +/- 36.6554 |
| 58 | Pentachlorophenol | 87-86-5 | RP230530RSR | 99% | 1,008.8 | µg/mL | +/- 36.7019 |
| 59 | Phenanthrene | 85-01-8 | MKCQ8876 | 99% | 1,008.4 | µg/mL | +/- 36.6877 |
| 60 | Anthracene | 120-12-7 | MKCR0570 | 99% | 1,009.0 | µg/mL | +/- 36.7100 |
| 61 | Carbazole | 86-74-8 | 14351100 | 99% | 1,000.9 | µg/mL | +/- 36.4149 |
| 62 | Di-n-butylphthalate | 84-74-2 | MKCN4337 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 63 | Fluoranthene | 206-44-0 | MKCQ4728 | 99% | 1,009.6 | µg/mL | +/- 36.7302 |
| 64 | Pyrene | 129-00-0 | BCCG8479 | 98% | 1,007.2 | µg/mL | +/- 36.6453 |
| 65 | Benzyl butyl phthalate | 85-68-7 | X12I018 | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 66 | Bis(2-ethylhexyl)adipate | 103-23-1 | MKCM1988 | 99% | 1,005.2 | µg/mL | +/- 36.5705 |
| 67 | Benz(a)anthracene | 56-55-3 | I220012022BAA | 99% | 1,002.2 | µg/mL | +/- 36.4614 |
| 68 | Chrysene | 218-01-9 | RP230601 | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCQ3468 | 99% | 1,001.8 | µg/mL | +/- 36.4472 |
| 70 | Di-n-octyl phthalate | 117-84-0 | 14382700 | 99% | 1,006.0 | µg/mL | +/- 36.6008 |
| 71 | Benzo(b)fluoranthene | 205-99-2 | 012013B | 99% | 1,002.8 | µg/mL | +/- 36.4836 |
| 72 | Benzo(k)fluoranthene | 207-08-9 | 012022K | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 73 | Benzo(a)pyrene | 50-32-8 | P54915-0703 | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 74 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 12-JKL-118-9 | 97% | 1,009.4 | µg/mL | +/- 36.7243 |
| 75 | Dibenz(a,h)anthracene | 53-70-3 | 2-ASA-59-1 | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 76 | Benzo(g,h,i)perylene | 191-24-2 | RP231003RSR | 99% | 1,002.9 | µg/mL | +/- 36.4876 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

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# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31087 **Lot No.:** A0206206

**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.)

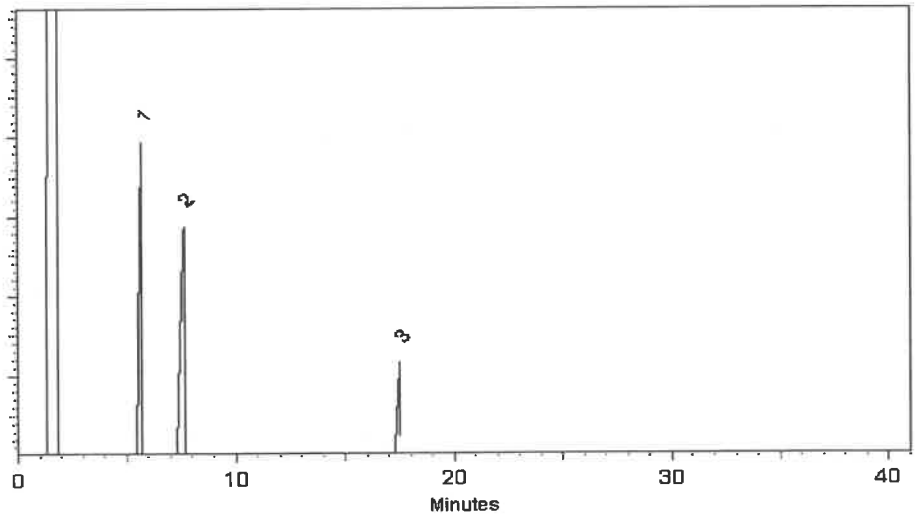
**Inj. Temp:**
250°C

**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***

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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.)

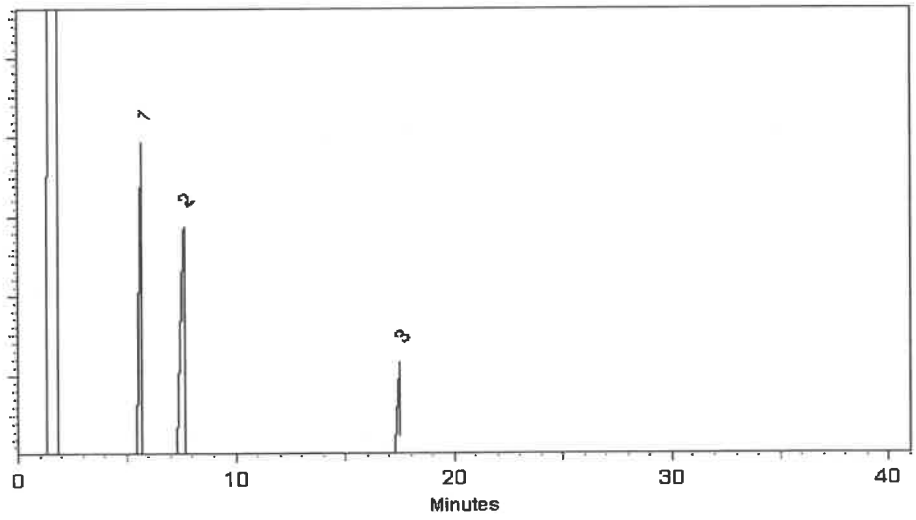
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




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*

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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. :** 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.)

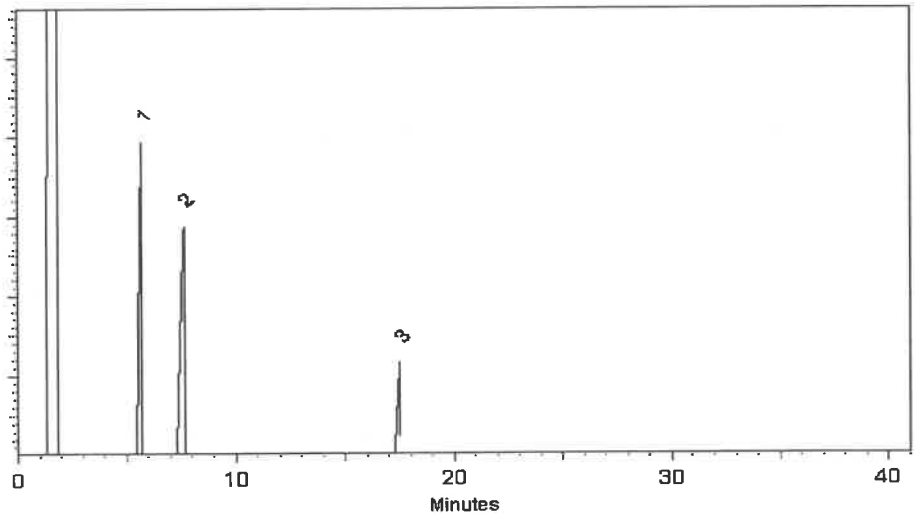
**Inj. Temp:**
250°C

**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***

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Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 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.)

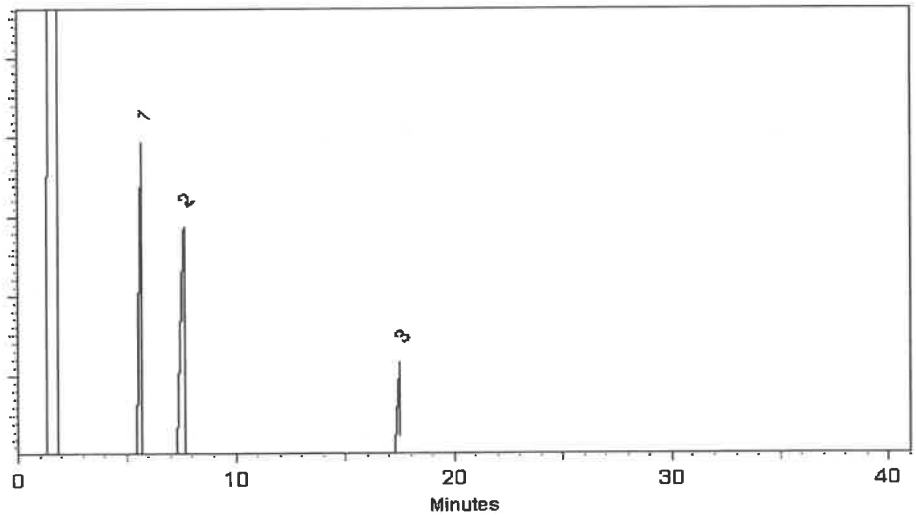
**Inj. Temp:**
250°C

**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**

RESTEK
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Tel: 1-814-353-1300
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. :** 31087 **Lot No.:** A0206206

S12187 ↓ S12206 } RC/ 03/18/24

**Description :** Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** January 31, 2032 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 2-Fluorophenol | 367-12-4 | STBK1705 | 99% | 10,005.3 µg/mL | +/- 302.5390 |
| 2 | Phenol-d6 | 13127-88-3 | PR-33287A | 99% | 10,005.5 µg/mL | +/- 302.5475 |
| 3 | 2,4,6-Tribromophenol | 118-79-6 | RP230831RSR | 99% | 10,006.6 µg/mL | +/- 302.5783 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

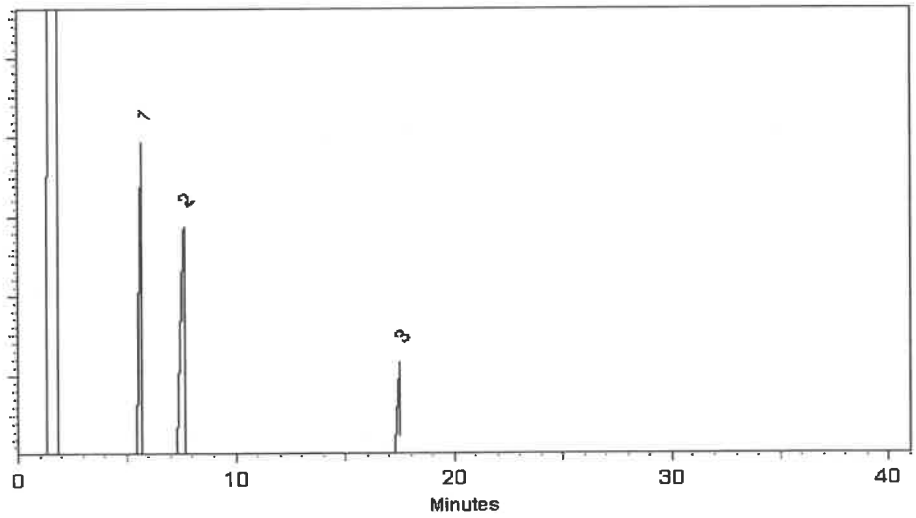
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

**Date Mixed:** 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

**Date Passed:** 08-Jan-2024

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# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

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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.)

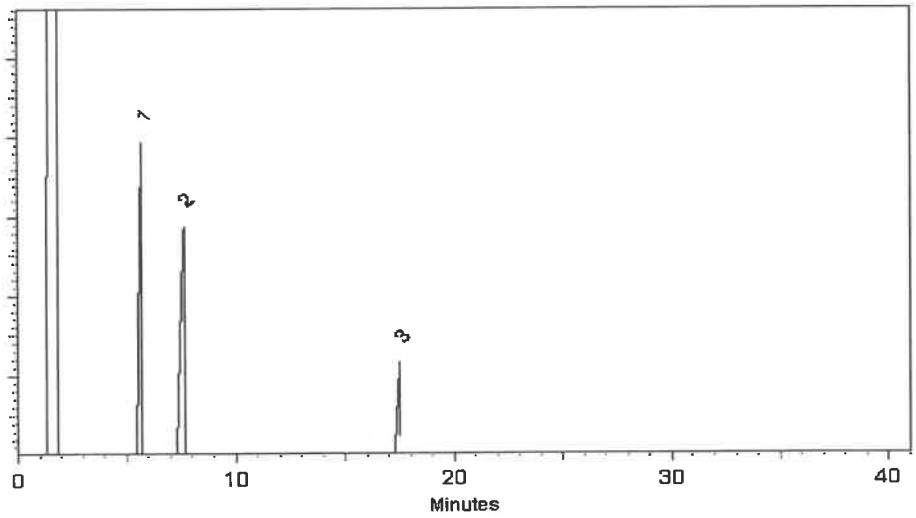
**Inj. Temp:**
250°C

**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***

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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. :** 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.)

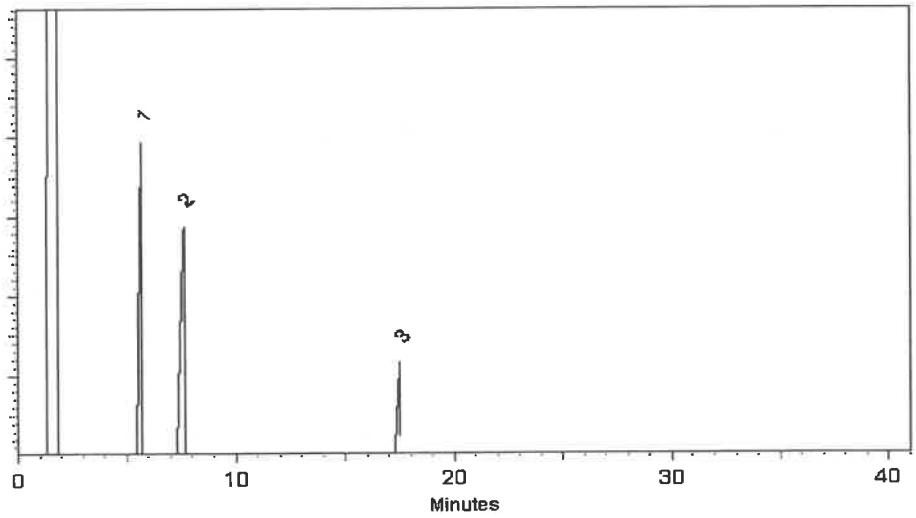
**Inj. Temp:**
250°C

**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

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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.)

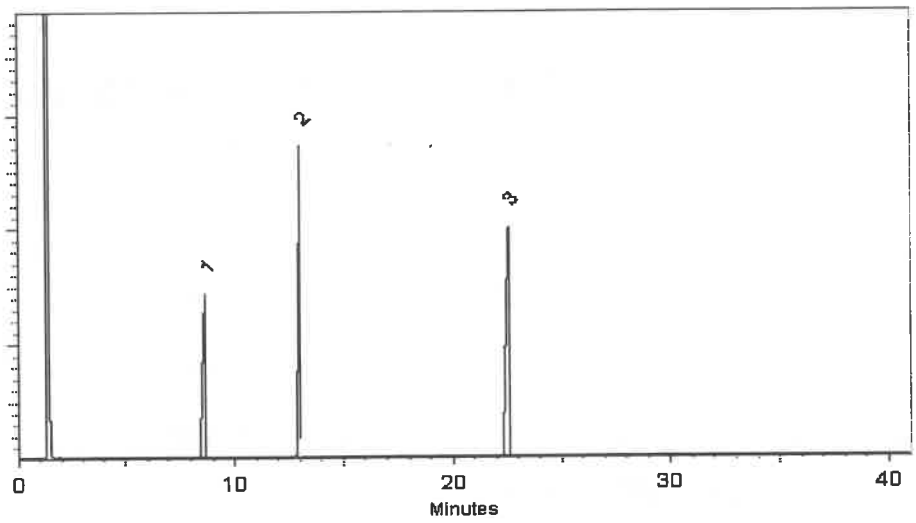
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

**Date Mixed:** 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 11-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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CERTIFIED REFERENCE MATERIAL

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.)

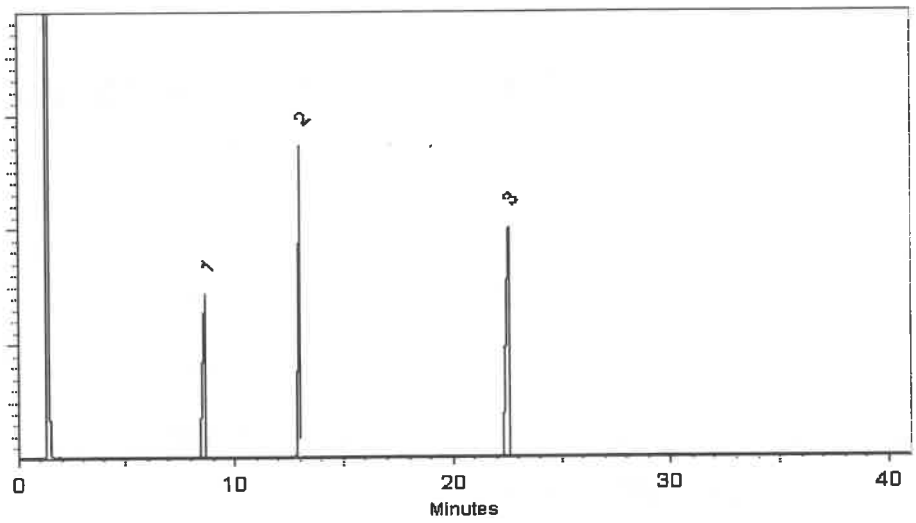
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

**Date Mixed:** 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 11-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31086 **Lot No.:** A0206381

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** December 31, 2029 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Nitrobenzene-d5 | 4165-60-0 | I-25158 | 99% | 5,029.3 µg/mL | +/- 226.5204 |
| 2 | 2-Fluorobiphenyl | 321-60-8 | 00021384 | 99% | 5,030.9 µg/mL | +/- 226.5936 |
| 3 | p-Terphenyl-d14 | 1718-51-0 | PR-32599 | 99% | 5,026.4 µg/mL | +/- 226.3909 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

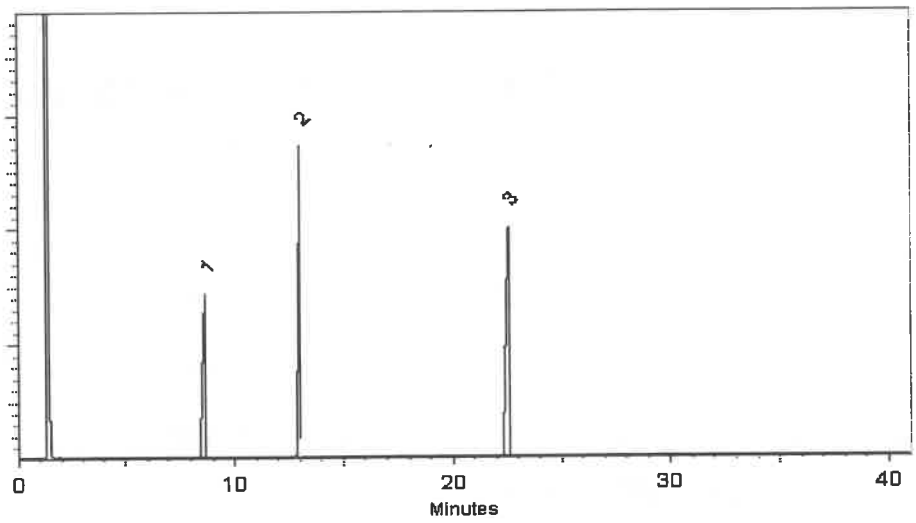
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

**Date Mixed:** 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 11-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

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**Catalog No. :** 31086 **Lot No.:** A0206381

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** December 31, 2029 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Nitrobenzene-d5 | 4165-60-0 | I-25158 | 99% | 5,029.3 µg/mL | +/- 226.5204 |
| 2 | 2-Fluorobiphenyl | 321-60-8 | 00021384 | 99% | 5,030.9 µg/mL | +/- 226.5936 |
| 3 | p-Terphenyl-d14 | 1718-51-0 | PR-32599 | 99% | 5,026.4 µg/mL | +/- 226.3909 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

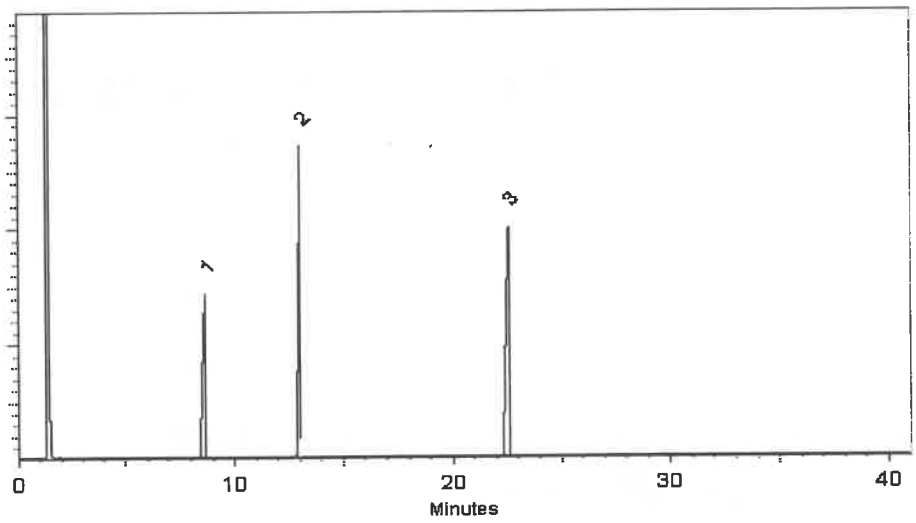
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




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

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

# Certificate of Analysis

***chromatographic plus***

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**Catalog No. :** 31086 **Lot No.:** A0206381

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** December 31, 2029 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Nitrobenzene-d5 | 4165-60-0 | I-25158 | 99% | 5,029.3 µg/mL | +/- 226.5204 |
| 2 | 2-Fluorobiphenyl | 321-60-8 | 00021384 | 99% | 5,030.9 µg/mL | +/- 226.5936 |
| 3 | p-Terphenyl-d14 | 1718-51-0 | PR-32599 | 99% | 5,026.4 µg/mL | +/- 226.3909 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

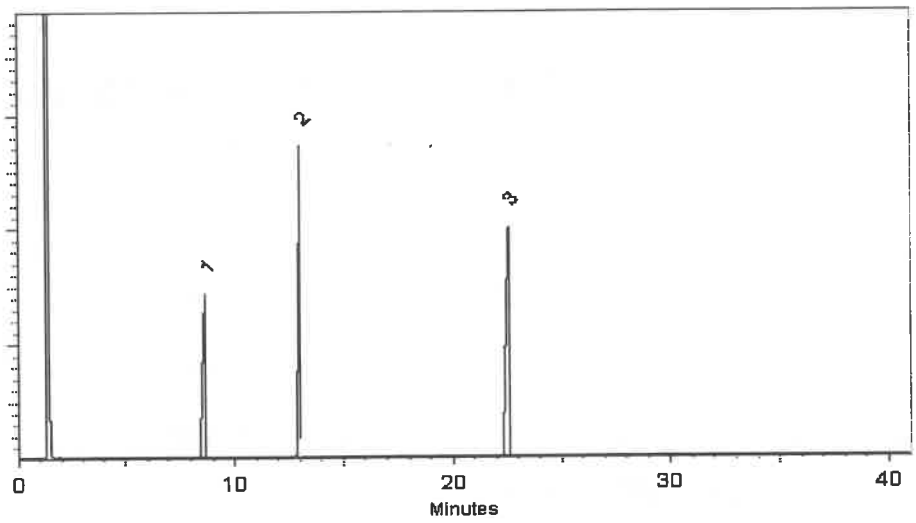
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




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**

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31086 **Lot No.:** A0206381

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** December 31, 2029 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Nitrobenzene-d5 | 4165-60-0 | I-25158 | 99% | 5,029.3 µg/mL | +/- 226.5204 |
| 2 | 2-Fluorobiphenyl | 321-60-8 | 00021384 | 99% | 5,030.9 µg/mL | +/- 226.5936 |
| 3 | p-Terphenyl-d14 | 1718-51-0 | PR-32599 | 99% | 5,026.4 µg/mL | +/- 226.3909 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

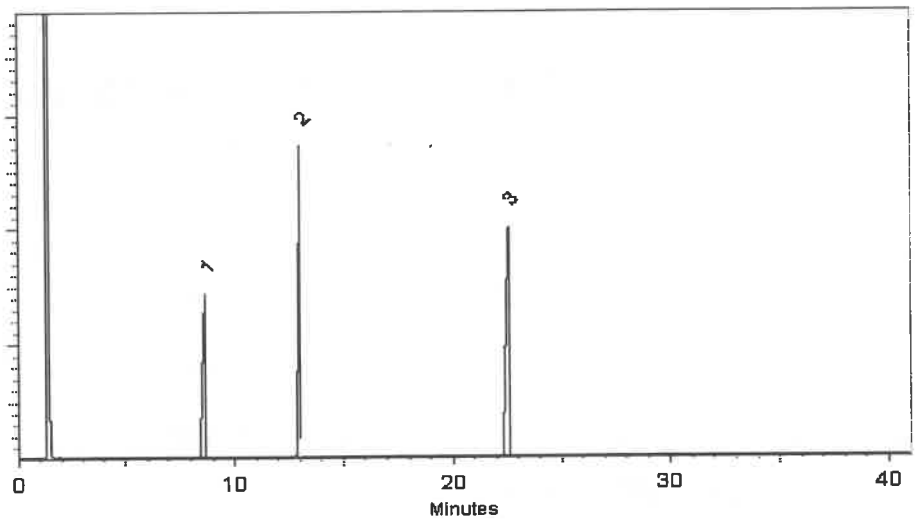
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




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

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CERTIFIED REFERENCE MATERIAL

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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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) |
|---|---|---|---|---|---|---|
| 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:**
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40°C (hold 2 min.) to 330°C
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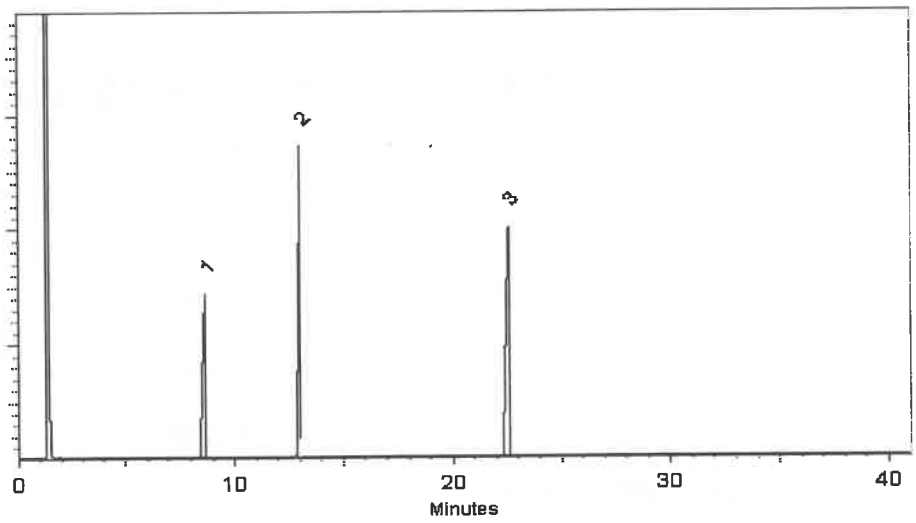
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250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




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Jess Hoy - Operations Tech I

**Date Mixed:** 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 11-Jan-2024

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CERTIFIED REFERENCE MATERIAL

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**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** December 31, 2029 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
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**Solvent:** Methylene chloride
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**Purity** 99%

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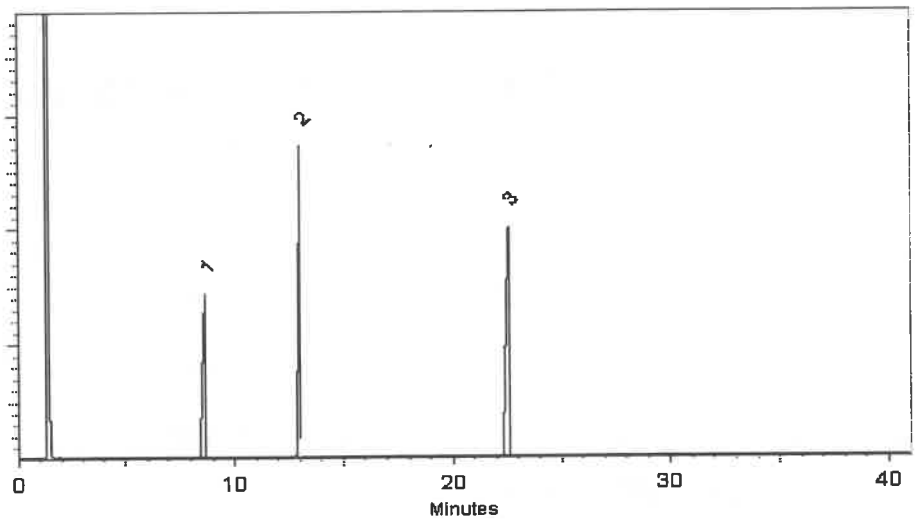
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Jess Hoy - Operations Tech I

**Date Mixed:** 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 11-Jan-2024

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CERTIFIED REFERENCE MATERIAL

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*chromatographic plus*

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S12207 ↓ S12221 RC 03/18/24

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**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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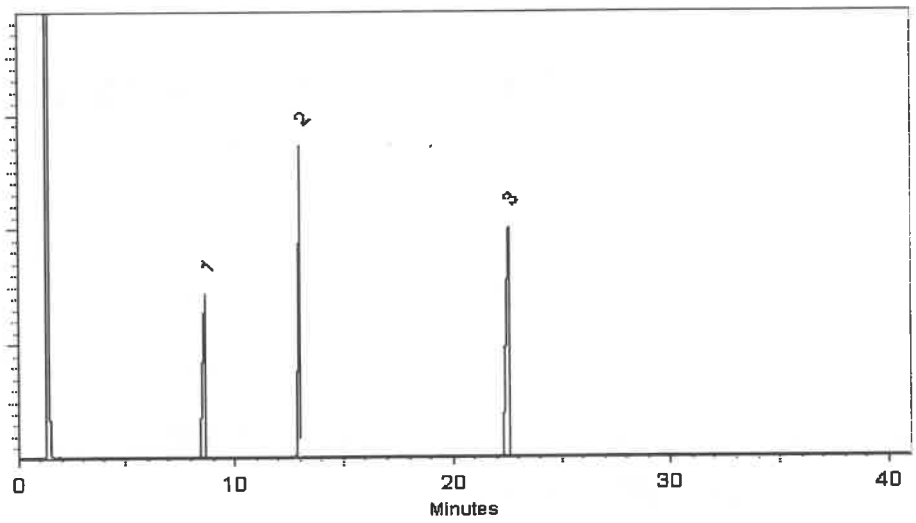
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Jess Hoy - Operations Tech I

**Date Mixed:** 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 11-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

# Certificate of Analysis

Rev 0



| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-110381-01 | 520963 | ≤ -10 °C | Methylene Chloride | 10/10/2028 | Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| acenaphthene | 83-32-9 | 99.9 | 13.1.5P | 1010 ± 9.89 |
| acenaphthylene | 208-96-8 | 97.6 | 14.290.1P | 1014 ± 9.93 |
| aniline | 62-53-3 | 99.97 | 64.1.4P | 1001 ± 9.8 |
| anthracene | 120-12-7 | 99.5 | 15.7.1P | 999.6 ± 9.79 |
| azobenzene | 103-33-3 | 98.1 | 252.7.2P | 999.1 ± 9.8 |
| benzo[a]anthracene | 56-55-3 | 100 | 16.7.3P | 1007 ± 9.86 |
| benzo[b]fluoranthene | 205-99-2 | 99.8 | 17.421.3P | 1011 ± 14.11 |
| benzo[k]fluoranthene | 207-08-9 | 98.9 | 18.421.4P | 1001 ± 10.96 |
| benzo[ghi]perylene | 191-24-2 | 93 | 19.286.4P | 999.6 ± 13.95 |
| benzo[a]pyrene | 50-32-8 | 97 | 20.286.2P | 999.9 ± 22.24 |
| benzyl alcohol | 100-51-6 | 99.9 | 65.18.1P | 1001 ± 9.82 |
| bis(2-chloroethoxy)methane | 111-91-1 | 99.1 | 31.3.15P | 1000 ± 14.69 |
| bis(2-chloroethyl)ether | 111-44-4 | 99.8 | 32.7.1P | 1003 ± 13.89 |
| bis(2-chloro-1-methylethyl) ether | 108-60-1 | 99.5 | 34.3.15P | 999.4 ± 14.68 |
| bis(2-ethylhexyl)adipate | 103-23-1 | 99.5 | 874.7.1P | 999.5 ± 9.8 |
| bis(2-ethylhexyl)phthalate | 117-81-7 | 99.4 | 33.29.1P | 998.8 ± 17.03 |
| 4-bromophenyl phenyl ether | 101-55-3 | 99.4 | 35.7.1.1P | 1000 ± 13.85 |
| butyl benzyl phthalate | 85-68-7 | 98.4 | 36.1.6P | 984.7 ± 16.79 |
| carbazole | 86-74-8 | 99.4 | 239.7.2P | 1000 ± 9.8 |

S12270 ↓ S12274 } RC 05/24/24

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

# Certificate of Analysis

**Catalog No.:** Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| 4-chloroaniline | 106-47-8 | 100 | 66.7.1P | 1000 ± 9.79 |
| 4-chlorophenylphenyl ether | 7005-72-3 | 98 | 37.158.2P | 1001 ± 17.07 |
| 4-chloro-3-methylphenol | 59-50-7 | 99 | 102.1.2P | 1006 ± 17.16 |
| 2-chloronaphthalene | 91-58-7 | 99.9 | 42.7.6P | 1000 ± 9.79 |
| 2-chlorophenol | 95-57-8 | 99.8 | 103.7.1P | 1007 ± 13.96 |
| chrysene | 218-01-9 | 96 | 21.286.2P | 998.4 ± 12.85 |
| dibenz[a,h]anthracene | 53-70-3 | 99.44 | 22.286.3P | 1000 ± 9.74 |
| dibenzofuran | 132-64-9 | 100 | 67.7.2.1P | 1002 ± 9.77 |
| di-n-butyl phthalate | 84-74-2 | 99.84 | 40.286.1P | 1007 ± 24.48 |
| 1,2-dichlorobenzene | 95-50-1 | 99.8 | 43.7.1P | 1000 ± 9.79 |
| 1,3-dichlorobenzene | 541-73-1 | 99.5 | 44.1.3P | 999.4 ± 9.79 |
| 1,4-dichlorobenzene | 106-46-7 | 99.9 | 45.29.2P | 1000 ± 9.79 |
| 2,4-dichlorophenol | 120-83-2 | 99.6 | 104.7.1.1P | 1005 ± 13.93 |
| diethyl phthalate | 84-66-2 | 99.8 | 38.7.1P | 1011 ± 14 |
| 2,4-dimethylphenol | 105-67-9 | 99.6 | 105.7.1.1P | 1009 ± 13.98 |
| dimethyl phthalate | 131-11-3 | 99.9 | 39.9.2P | 996.5 ± 13.8 |
| 1,2-dinitrobenzene | 528-29-0 | 99.86 | 86.7.3.1P | 999.5 ± 9.75 |
| 1,3-dinitrobenzene | 99-65-0 | 100 | 313.7.2P | 998 ± 9.79 |
| 1,4-dinitrobenzene | 100-25-4 | 100 | 907.7.1P | 999.5 ± 9.8 |
| 2,4-dinitrophenol | 51-28-5 | 99.9 | 106.1.6DP | 1002 ± 13.89 |
| 2,4-dinitrotoluene | 121-14-2 | 100 | 87.7.3P | 999.8 ± 13.85 |
| 2,6-dinitrotoluene | 606-20-2 | 99.4 | 88.7.2.1P | 999.6 ± 13.85 |
| di-n-octyl phthalate | 117-84-0 | 99.1 | 41.7.5P | 991.6 ± 13.74 |
| diphenylamine | 122-39-4 | 100 | 78.1.6P | 998 ± 13.79 |
| 2,3,5,6-tetrachlorophenol | 935-95-5 | 97 | 1112.286.1P | 1004 ± 14.02 |
| fluoranthene | 206-44-0 | 98.6 | 23.7.4P | 999.6 ± 9.79 |
| fluorene | 86-73-7 | 98.4 | 24.7.1P | 999.7 ± 9.79 |

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
**Chemist**

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# Certificate of Analysis



**Catalog No.:** Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| hexachlorobenzene | 118-74-1 | 99 | 46.158.4P | 999.9 ± 13.96 |
| hexachlorobutadiene | 87-68-3 | 97.4 | 47.1.4P | 1000 ± 9.79 |
| hexachlorocyclopentadiene | 77-47-4 | 99.2 | 48.2.2P | 1001 ± 9.8 |
| hexachloroethane | 67-72-1 | 99.9 | 49.1.4P | 1003 ± 9.82 |
| indeno[1,2,3-cd]pyrene | 193-39-5 | 98 | 25.286.4P | 999.4 ± 22.23 |
| isophorone | 78-59-1 | 98.9 | 90.1.4P | 999.9 ± 13.85 |
| 2-methyl-4,6-dinitrophenol | 534-52-1 | 99.6 | 107.421.2DP | 991 ± 24.09 |
| 1-methylnaphthalene | 90-12-0 | 97.1 | 249.7.5P | 999.2 ± 13.95 |
| 2-methylnaphthalene | 91-57-6 | 97.4 | 68.7.2P | 1006 ± 22.38 |
| 2-methylphenol | 95-48-7 | 99.6 | 114.7.3P | 1001 ± 13.87 |
| 3-methylphenol | 108-39-4 | 99.1 | 115.7.4P | 499.7 ± 6.92 |
| 4-methylphenol | 106-44-5 | 99.5 | 116.7.1P | 501.2 ± 6.94 |
| naphthalene | 91-20-3 | 99.8 | 26.9.1P | 1018 ± 9.97 |
| 2-nitroaniline | 88-74-4 | 99.7 | 69.29.1P | 999.6 ± 9.79 |
| 3-nitroaniline | 99-09-2 | 100 | 70.7.3P | 1000 ± 9.74 |
| 4-nitroaniline | 100-01-6 | 99.7 | 71.29.1P | 1001 ± 9.8 |
| nitrobenzene | 98-95-3 | 100 | 94.7.1P | 1000 ± 13.85 |
| 2-nitrophenol | 88-75-5 | 99.1 | 108.29.1P | 996.5 ± 13.81 |
| 4-nitrophenol | 100-02-7 | 100 | 109.7.1P | 1000 ± 13.82 |
| N-nitrosodimethylamine | 62-75-9 | 99.5 | 57.3.19P | 998.5 ± 14.67 |
| N-nitrosodi-n-propylamine | 621-64-7 | 99.8 | 59.286.1P | 996.8 ± 17 |
| pentachlorophenol | 87-86-5 | 99 | 110.1.7P | 1004 ± 13.92 |
| phenanthrene | 85-01-8 | 99.7 | 27.1.5P | 999 ± 12.87 |
| phenol | 108-95-2 | 100 | 112.7.1P | 998.5 ± 13.8 |
| pyrene | 129-00-0 | 99.2 | 28.9.2P | 998.9 ± 9.78 |
| pyridine | 110-86-1 | 100 | 101.24.1P | 999 ± 9.73 |
| 2,3,4,6-Tetrachlorophenol | 58-90-2 | 91.8 | 120.421.1P | 996.5 ± 13.92 |

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
**Chemist**

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# Certificate of Analysis



**Catalog No.:** Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| 1,2,4-trichlorobenzene | 120-82-1 | 99.6 | 54.29.1P | 999.6 ± 9.79 |
| 2,4,5-trichlorophenol | 95-95-4 | 96.5 | 121.7.1.1P | 999.5 ± 13.85 |
| 2,4,6-trichlorophenol | 88-06-2 | 99.6 | 113.7.1P | 996 ± 13.8 |

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Kerry Kane
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CPI INTERNATIONAL

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Santa Rosa, CA 95403

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(800)878-7654 Toll Free
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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-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**

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RESTEK
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www.restek.com

CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

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S12312 ↓ S12331 } RC/ 05/30/24

**Catalog No. :** 31206 **Lot No.:** A0206540

**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 :** December 31, 2029 **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% | 2,007.1 µg/mL | +/- 90.4025 |
| 2 | Naphthalene-d8 | 1146-65-2 | M-2180 | 99% | 2,005.9 µg/mL | +/- 90.3454 |
| 3 | Acenaphthene-d10 | 15067-26-2 | PR-33507 | 99% | 2,007.9 µg/mL | +/- 90.4385 |
| 4 | Phenanthrene-d10 | 1517-22-2 | PR-32303 | 99% | 2,006.7 µg/mL | +/- 90.3845 |
| 5 | Chrysene-d12 | 1719-03-5 | PR-32210 | 99% | 2,015.5 µg/mL | +/- 90.7778 |
| 6 | Perylene-d12 | 1520-96-3 | PR-33205 | 99% | 2,014.7 µg/mL | +/- 90.7448 |

* 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 pressure 10 psi.

**Temp. Program:**
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

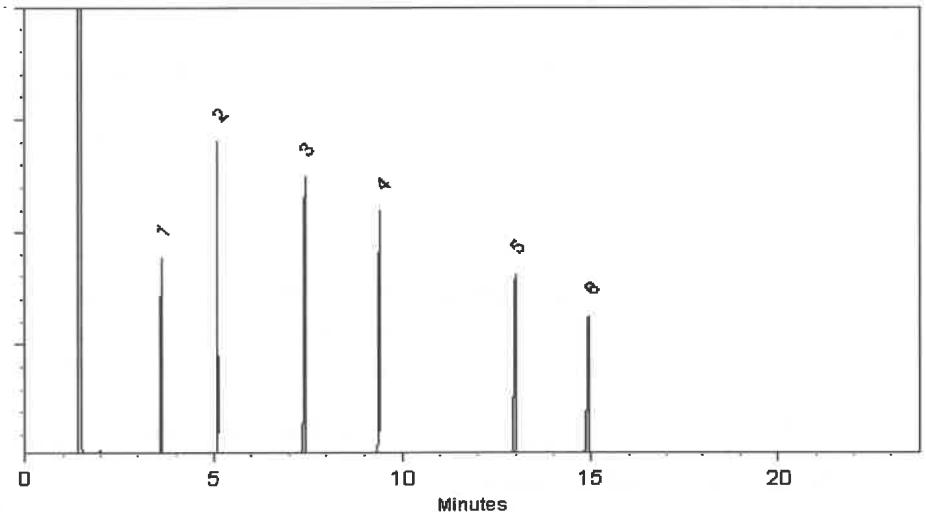
**Inj. Temp:**
250°C

**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.

Malina Homan - Operations Technician I

**Date Mixed:** 12-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 16-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

# Certificate of Analysis

*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.
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**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
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**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

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**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
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**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

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**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
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**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

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
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**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

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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

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CERTIFIED VALUES

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**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

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

# Certificate of Analysis

*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.

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**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
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**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

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**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
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| 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

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**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
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| 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

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# Certificate of Analysis

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*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555224 **Lot No.:** A0214017

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,2,4,5-Tetrachlorobenzene | 95-94-3 | MKCT9480 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 2 | Acetophenone | 98-86-2 | STBH8205 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 3 | Benzaldehyde | 100-52-7 | RD231129RSRA | 99% | 1,008.0 µg/mL | +/- 29.630084 |
| 4 | Benzoic acid | 65-85-0 | MKCR2694 | 99% | 1,010.0 µg/mL | +/- 29.688874 |
| 5 | Biphenyl | 92-52-4 | MKCS5928 | 99% | 1,008.0 µg/mL | +/- 29.630084 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

**Date Mixed:** 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

# General Certified Reference Material Notes

## Expiration Notes:

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- Purity values are rounded to the nearest whole number.

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**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
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**Catalog No. :** 555224 **Lot No.:** A0214017

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,2,4,5-Tetrachlorobenzene | 95-94-3 | MKCT9480 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 2 | Acetophenone | 98-86-2 | STBH8205 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 3 | Benzaldehyde | 100-52-7 | RD231129RSRA | 99% | 1,008.0 µg/mL | +/- 29.630084 |
| 4 | Benzoic acid | 65-85-0 | MKCR2694 | 99% | 1,010.0 µg/mL | +/- 29.688874 |
| 5 | Biphenyl | 92-52-4 | MKCS5928 | 99% | 1,008.0 µg/mL | +/- 29.630084 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

**Date Mixed:** 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***gravimetric***

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**

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Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

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**CAS #** 75-09-2
**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

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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

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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**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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S12509 ↓ S12568 } RC/ 7/24/24

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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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited
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ISO/IEC 17025 Accredited
Testing Laboratory
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# Certificate of Analysis

*chromatographic plus*

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

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**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.)

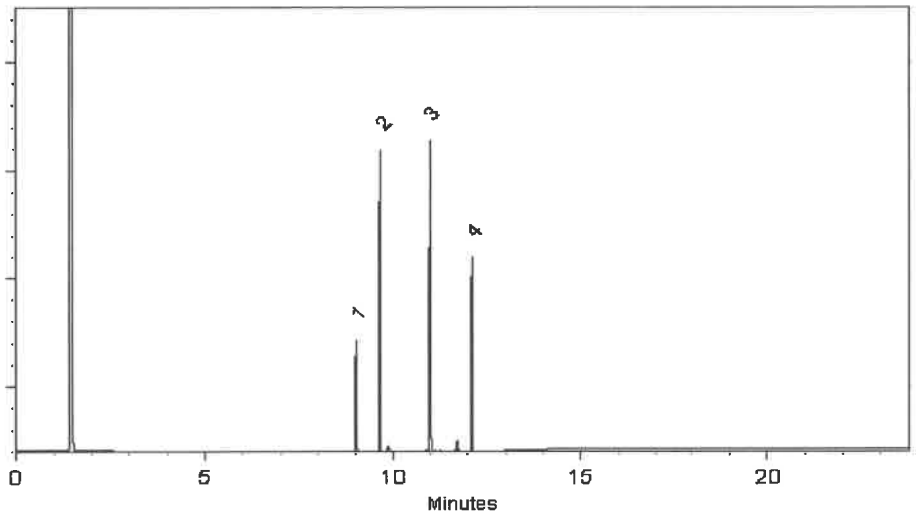
**Inj. Temp:**
250°C

**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

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.**

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**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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**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*

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

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**Catalog No. :** 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.

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

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**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 |

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|---|---|---|---|---|---|---|---|
| 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 |

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|---|---|---|---|---|---|---|---|
| 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

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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 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 |

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|---|---|---|---|---|---|---|---|
| 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 |

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|---|---|---|---|---|---|---|---|
| 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 |

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|---|---|---|---|---|---|---|---|
| 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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 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.

# SHIPPING DOCUMENTS

Q1730

# Chemtech

Phone: (908) 789-8900
Fax: (908) 789-8922
284 Sheffield Street, Mountainside, NJ 07092

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020



| | |
|---|---|
| Company Name: | Nobis Group |
| Address: | 55 Technology Dr Suite 101, Lowell, MA 01851 |
| Phone: | 978-703-6014 |
| Project Name: | Raymark |
| Project Location: | Stratford, CT |
| Project Number: | 95700 |
| Project Manager: | Adam Roy |
| Con-Test Quote Name/Number: | |
| Invoice Recipient: | |
| Sampled By: | C. Odell |

**Requested Turnaround Time**
5-Day ☐ 10-Day ☑
PFAS 10-Day (std) ☐ Due Date:

**Rush-Approval Required**
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

**Data Delivery**
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

**Dissolved Metals Samples**
○ Field Filtered
○ Lab to Filter

**Orthophosphate Samples**
○ Field Filtered
○ Lab to Filter

**PCB ONLY**
SOXHLET ☑
NON SOXHLET ☐

**ANALYSIS REQUESTED**

| Con-Test Work Order# | Client Sample ID / Description | Beginning Date/Time | Ending Date/Time | COMP/GRAB | [1]Matrix Code | Conc Code | VIALS | GLASS | PLASTIC | BACTERIA | ENCORE | M/O | RCP VOCs | % Solids | PAHs | Herbicides | Pesticides | PCBs | Metals ICP + Hg - 6010 | Cyanide | SPLP RCP Metals - 6020 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | OU4-VSL-15-040325 | 4/3/25 | 1210 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |
| | OU4-VSL-16-040325 | 4/3/25 | 1220 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |
| | OU4-VSL-17-040325 | 4/3/25 | 1230 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |
| | OU4-PCS-TC-21-040325 | 4/3/25 | 1345 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |
| | OU4-PCS-TC-22-040325 | 4/3/25 | 1350 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |
| | OU4-PCS-TC-23-040325 | 4/3/25 | 1355 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |
| | OU4-PCS-TC-24-040325 | 4/3/25 | 1400 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |
| | OU4-PCS-TC-25-040325 | 4/3/25 | 1405 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |
| | OU4-PCS-TC-26-040325 | 4/3/25 | 1410 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |
| | OU4-CF-15-040325 | 4/3/25 | 1300 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |

[2] Preservation Code

Lab Use Only
Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Contest is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

| | | |
|---|---|---|
| Relinquished by: (signature) | Date/Time: 4/3/25 1700 | Client Comments: 2.7 ; 2.6 |
| Received by: (signature) | Date/Time: 4/4/25 1045 | |
| Relinquished by: (signature) | Date/Time: | |
| Received by: (signature) | Date/Time: | |
| Relinquished by: (signature) | Date/Time: | |
| Received by: (signature) | Date/Time: | |
| Relinquished by: (signature) | Date/Time: | |
| Received by: (signature) | Date/Time: | |

**Detection Limit Requirements**
MA
CT
Other:

**Special Requirements**
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

**Project Entity**
Government ☐ Federal ☐ City ☐
Municipality ☐ 21 J ☐ Brownfield ☐
MWRA ☐ School ☐ MBTA ☐
WRTA ☐

**Other**
☐ Chromatogram
☐ *AIHA-LAP,LLC*

**Lab Comments:**

**Disclaimer:** Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

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 |

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

# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** Q1730 NOBI03
**Client Name :** Nobis Group
**Client Contact :** Adam Roy
**Invoice Name :** Nobis Group
**Invoice Contact :** Adam Roy

**Order Date :** 4/4/2025 10:51:00 AM
**Project Name :** Raymark Superfund Site
**Receive DateTime :** 4/4/2025 10:45:00 AM
**Purchase Order :**

**Project Mgr :** Yazmeen
**Report Type :** Level 4
**EDD Type :** EQUIS
**Hard Copy Date :**
**Date Signoff :** 4/4/2025 11:24:53 AM

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|
| Q1730-01 | OU4-VSL-15-040325 | Solid | 04/03/2025 | 12:10 | VOCMS Group3 | | 8260D | | 10 Bus. Days |
| Q1730-03 | OU4-VSL-16-040325 | Solid | 04/03/2025 | 12:20 | VOCMS Group3 | | 8260D | | 10 Bus. Days |
| Q1730-05 | OU4-VSL-17-040325 | Solid | 04/03/2025 | 12:30 | VOCMS Group3 | | 8260D | | 10 Bus. Days |
| Q1730-07 | OU4-PCS-TC-21-040325 | Solid | 04/03/2025 | 13:45 | VOCMS Group3 | | 8260D | | 10 Bus. Days |
| Q1730-09 | OU4-PCS-TC-22-040325 | Solid | 04/03/2025 | 13:50 | VOCMS Group3 | | 8260D | | 10 Bus. Days |
| Q1730-11 | OU4-PCS-TC-23-040325 | Solid | 04/03/2025 | 13:55 | VOCMS Group3 | | 8260D | | 10 Bus. Days |
| ~~Q1730-13~~ | ~~OU4-PCS-TC-24-040325~~ | Solid | 04/03/2025 | 14:00 | VOCMS Group3 | | 8260D | | 10 Bus. Days |
| Q1730-15 | OU4-PCS-TC-25-040325 | Solid | 04/03/2025 | 14:05 | | | | | |

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

# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** Q1730 NOBI03
**Client Name :** Nobis Group
**Client Contact :** Adam Roy
**Invoice Name :** Nobis Group
**Invoice Contact :** Adam Roy

**Order Date :** 4/4/2025 10:51:00 AM
**Project Name :** Raymark Superfund Site
**Receive DateTime :** 4/4/2025 10:45:00 AM
**Purchase Order :**

**Project Mgr :** Yazmeen
**Report Type :** Level 4
**EDD Type :** EQUIS
**Hard Copy Date :**
**Date Signoff :** 4/4/2025 11:24:53 AM

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | VOCMS Group3 | | 8260D | | 10 Bus. Days |
| Q1730-17 | OU4-PCS-TC-26-040325 | Solid | 04/03/2025 | 14:10 | | | | | |
| | | | | | VOCMS Group3 | | 8260D | | 10 Bus. Days |
| Q1730-19 | OU4-CF-15-040325 | Solid | 04/03/2025 | 13:00 | | | | | |
| | | | | | VOCMS Group3 | | 8260D | | 10 Bus. Days |

**Relinguished By :** [signature]
**Date / Time :** 4/4/25 1145

**Received By :** [signature]
**Date / Time :** 4/4/25 14:15

**Storage Area :** VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024161.D
Acq On : 12 Mar 2025 16:57
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Mar 13 04:05:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.769 | 152 | 318045 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.552 | 136 | 1309940 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.410 | 164 | 799469 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.222 | 188 | 1516956 | 20.000 | ng | | 0.02 |
| 76) Chrysene-d12 | 21.669 | 240 | 1578855 | 20.000 | ng | | 0.01 |
| 86) Perylene-d12 | 25.080 | 264 | 1694453 | 20.000 | ng | | 0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.381 | 112 | 184089 | 9.032 | ng | | 0.00 |
| 7) Phenol-d6 | 6.952 | 99 | 241350 | 9.213 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.916 | 82 | 216074 | 9.202 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.934 | 330 | 81159 | 8.288 | ng | | 0.02 |
| 45) 2-Fluorobiphenyl | 13.016 | 172 | 545120 | 9.532 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.951 | 244 | 763023 | 9.563 | ng | | 0.03 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.323 | 88 | 40006 | 5.003 | ng | | 97 |
| 3) Pyridine | 3.723 | 79 | 103023 | 4.956 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.628 | 42 | 35306 | 4.788 | ng | # | 92 |
| 6) Aniline | 7.105 | 93 | 119908 | 4.998 | ng | | 100 |
| 8) 2-Chlorophenol | 7.340 | 128 | 99927 | 4.632 | ng | | 98 |
| 9) Benzaldehyde | 6.922 | 77 | 79614 | 6.656 | ng | | 97 |
| 10) Phenol | 6.975 | 94 | 125574 | 4.767 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.199 | 93 | 102214 | 4.926 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.664 | 146 | 116531 | 4.917 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 7.805 | 146 | 119798 | 4.998 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.122 | 146 | 114960 | 4.998 | ng | | 99 |
| 15) Benzyl Alcohol | 8.011 | 79 | 74252 | 4.630 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.287 | 45 | 109209 | 5.422 | ng | | 98 |
| 17) 2-Methylphenol | 8.216 | 107 | 74107 | 4.616 | ng | | 96 |
| 18) Hexachloroethane | 8.846 | 117 | 42376 | 4.909 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 8.569 | 70 | 72383 | 5.139 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.540 | 107 | 100588 | 4.606 | ng | | 98 |
| 22) Acetophenone | 8.587 | 105 | 158185 | 4.699 | ng | # | 99 |
| 24) Nitrobenzene | 8.958 | 77 | 108086 | 4.677 | ng | | 96 |
| 25) Isophorone | 9.487 | 82 | 174338 | 4.540 | ng | | 100 |
| 26) 2-Nitrophenol | 9.669 | 139 | 41305 | 3.880 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.734 | 122 | 60843 | 4.354 | ng | | 96 |
| 28) bis(2-Chloroethoxy)met... | 9.957 | 93 | 135529 | 4.872 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.205 | 162 | 77653 | 4.072 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.416 | 180 | 101518 | 4.646 | ng | | 99 |
| 31) Naphthalene | 10.599 | 128 | 340918 | 4.840 | ng | | 99 |
| 32) Benzoic acid | 9.805 | 122 | 33949 | 2.650 | ng | | 98 |
| 33) 4-Chloroaniline | 10.710 | 127 | 112776 | 4.545 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.887 | 225 | 58080 | 4.589 | ng | | 97 |
| 35) Caprolactam | 11.475 | 113 | 23432 | 4.057 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 11.840 | 107 | 85333 | 4.352 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.216 | 142 | 225485 | 4.817 | ng | | 100 |
| 38) 1-Methylnaphthalene | 12.434 | 142 | 220784 | 4.848 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.587 | 216 | 109528 | 4.459 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.569 | 237 | 33755 | 3.693 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 12.822 | 196 | 58172 | 3.883 | ng | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024161.D
Acq On : 12 Mar 2025 16:57
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Mar 13 04:05:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.904 | 196 | 66250 | 4.044 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.234 | 154 | 293289 | 4.721 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.275 | 162 | 221413 | 4.715 | ng | | 98 |
| 48) 2-Nitroaniline | 13.475 | 65 | 45667 | 4.117 | ng | | 88 |
| 49) Acenaphthylene | 14.128 | 152 | 316902 | 4.580 | ng | | 99 |
| 50) Dimethylphthalate | 13.857 | 163 | 270053 | 4.789 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.975 | 165 | 49593 | 4.317 | ng | | 97 |
| 52) Acenaphthene | 14.475 | 154 | 211290 | 4.742 | ng | | 99 |
| 53) 3-Nitroaniline | 14.310 | 138 | 50611 | 4.129 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 14.522 | 184 | 17541 | 2.867 | ng | # | 89 |
| 55) Dibenzofuran | 14.822 | 168 | 351651 | 4.858 | ng | | 100 |
| 56) 4-Nitrophenol | 14.645 | 139 | 37281 | 3.521 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 14.775 | 165 | 58882 | 3.946 | ng | | 90 |
| 58) Fluorene | 15.481 | 166 | 261676 | 4.629 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.045 | 232 | 63120 | 4.441 | ng | | 98 |
| 60) Diethylphthalate | 15.251 | 149 | 259242 | 4.631 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.481 | 204 | 131441 | 4.724 | ng | | 99 |
| 62) 4-Nitroaniline | 15.498 | 138 | 49239 | 3.871 | ng | | 95 |
| 63) Azobenzene | 15.775 | 77 | 242768 | 4.628 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 15.557 | 198 | 26524 | 3.021 | ng | | 90 |
| 66) n-Nitrosodiphenylamine | 15.692 | 169 | 213927 | 4.522 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.392 | 248 | 78309 | 4.597 | ng | | 93 |
| 68) Hexachlorobenzene | 16.510 | 284 | 94130 | 4.696 | ng | | 98 |
| 69) Atrazine | 16.669 | 200 | 62551 | 5.152 | ng | | 98 |
| 70) Pentachlorophenol | 16.869 | 266 | 45885 | 3.525 | ng | | 99 |
| 71) Phenanthrene | 17.263 | 178 | 404881 | 4.734 | ng | | 99 |
| 72) Anthracene | 17.357 | 178 | 376601 | 4.595 | ng | | 99 |
| 73) Carbazole | 17.634 | 167 | 349000 | 4.469 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.234 | 149 | 389057 | 4.270 | ng | | 99 |
| 75) Fluoranthene | 19.351 | 202 | 444670 | 4.597 | ng | | 97 |
| 77) Benzidine | 19.545 | 184 | 87777 | 4.562 | ng | | 98 |
| 78) Pyrene | 19.722 | 202 | 464704 | 4.634 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.675 | 149 | 157601 | 4.101 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.651 | 228 | 471347 | 4.761 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.580 | 252 | 134146 | 4.336 | ng | | 99 |
| 83) Chrysene | 21.722 | 228 | 467600 | 4.898 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.598 | 149 | 242048 | 4.153 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.898 | 149 | 363786 | 3.905 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 28.945 | 276 | 539523 | 4.476 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 24.004 | 252 | 467406 | 4.344 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.069 | 252 | 462653 | 4.417 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.910 | 252 | 403692 | 4.421 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 29.015 | 278 | 450461 | 4.444 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 30.133 | 276 | 464721 | 4.518 | ng | | 99 |

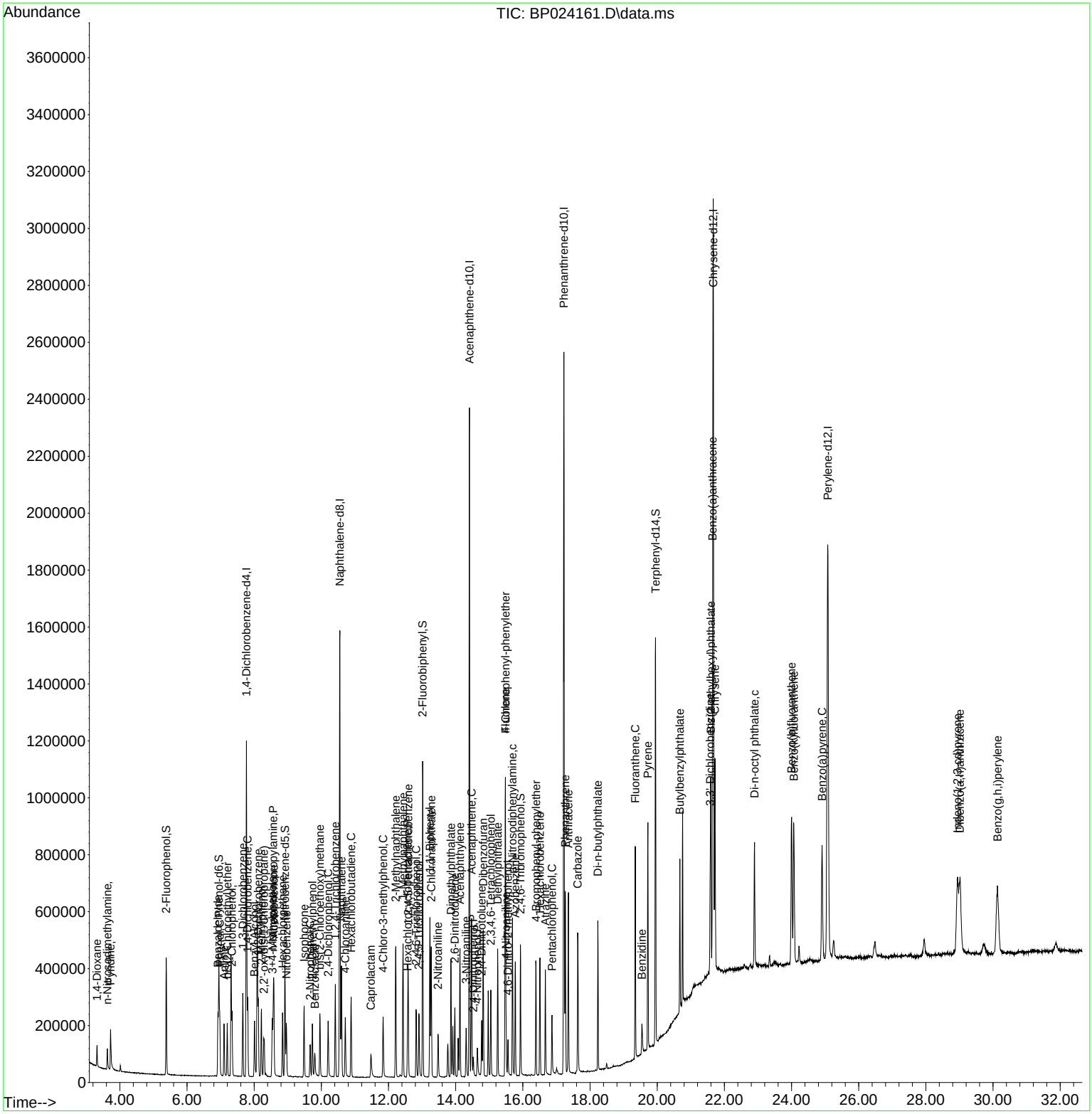
(#) = qualifier out of range (m) = manual integration (+) = signals summed

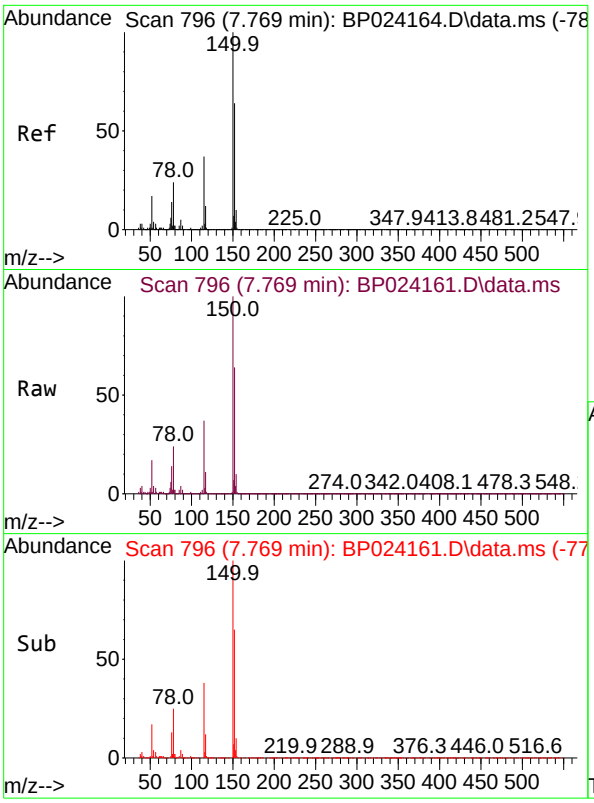
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024161.D
Acq On : 12 Mar 2025 16:57
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Mar 13 04:05:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration



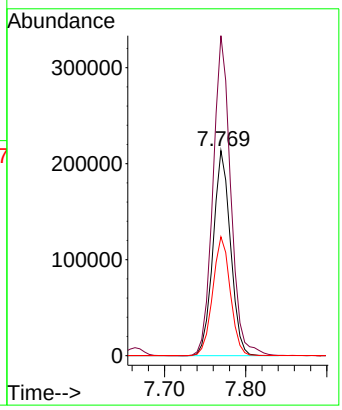


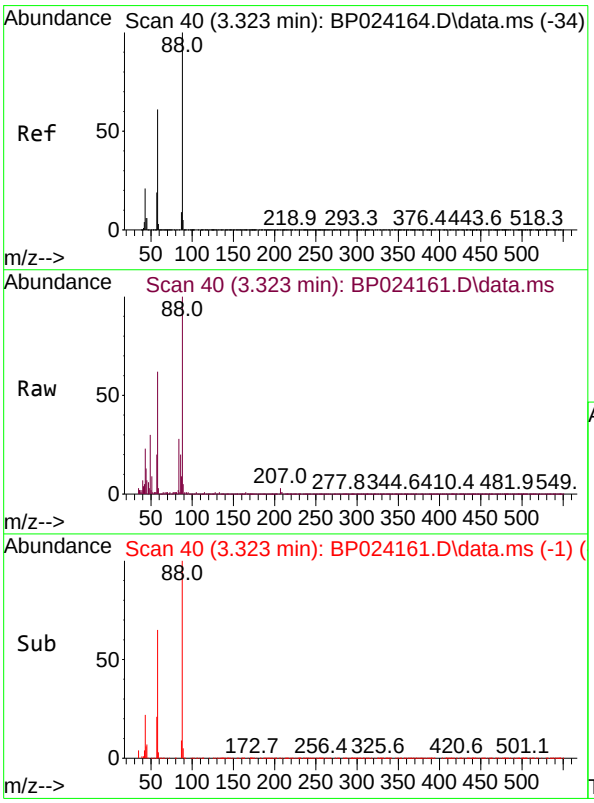

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:152 Resp: 318045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.0 | 125.5 | 188.3 |
| 115 | 57.9 | 46.3 | 69.5 |

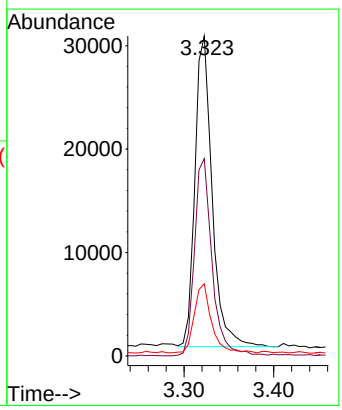


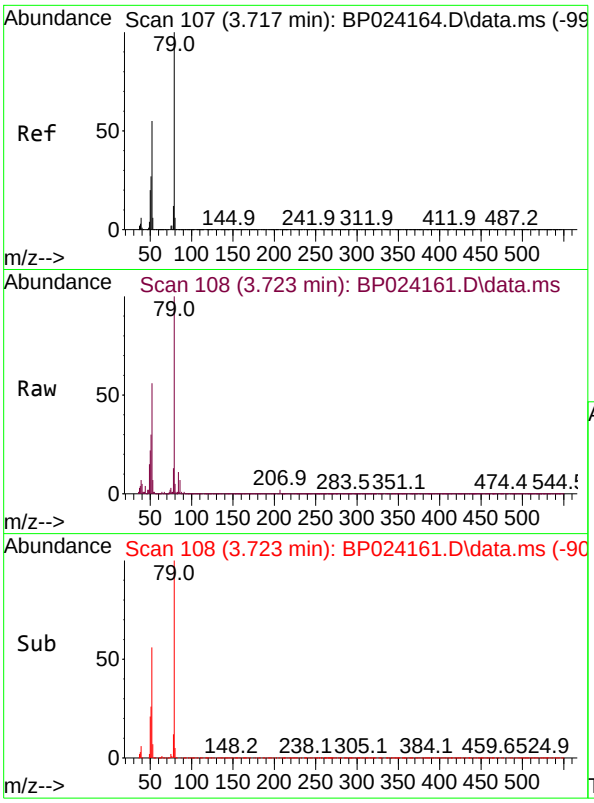




#2
1,4-Dioxane
Concen: 5.003 ng
RT: 3.323 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion: 88 Resp: 40006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 64.7 | 49.8 | 74.6 |
| 43 | 22.3 | 17.3 | 25.9 |



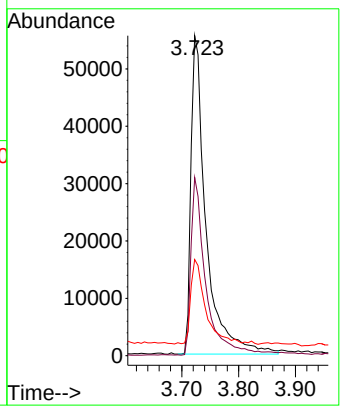


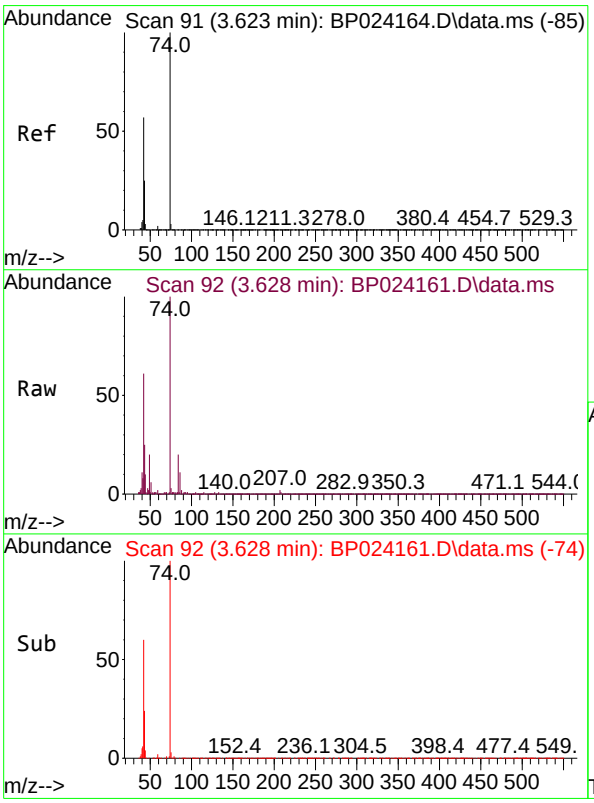

#3
Pyridine
Concen: 4.956 ng
RT: 3.723 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion: 79 Resp: 103023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 55.7 | 43.8 | 65.8 |
| 51 | 30.1 | 21.6 | 32.4 |

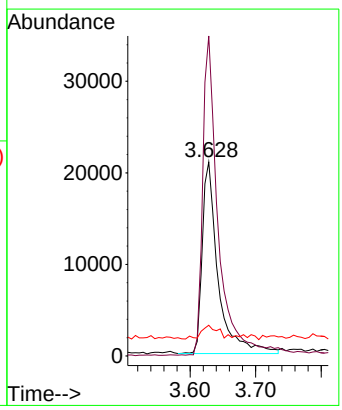


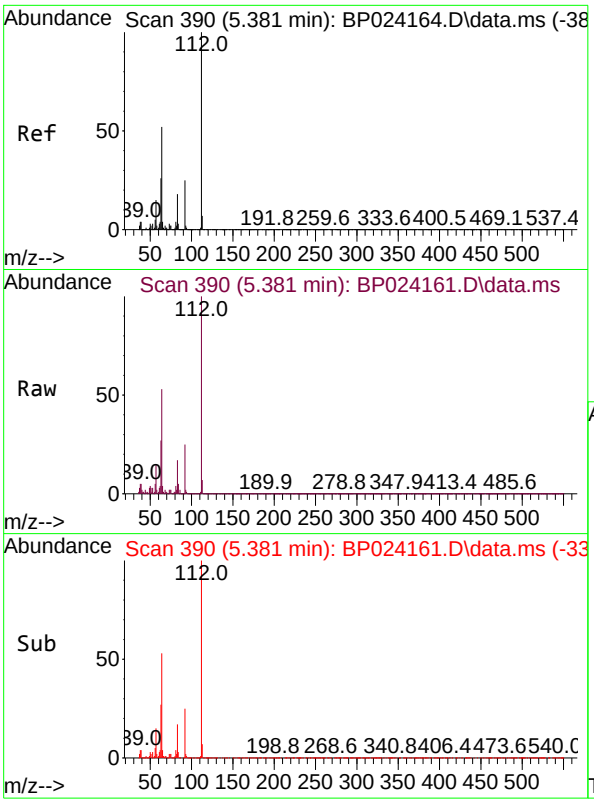




#4
n-Nitrosodimethylamine
Concen: 4.788 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion: 42 Resp: 35306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 165.1 | 139.8 | 209.6 |
| 44 | 15.9 | 5.3 | 7.9# |



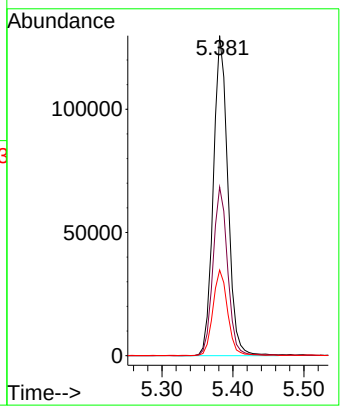


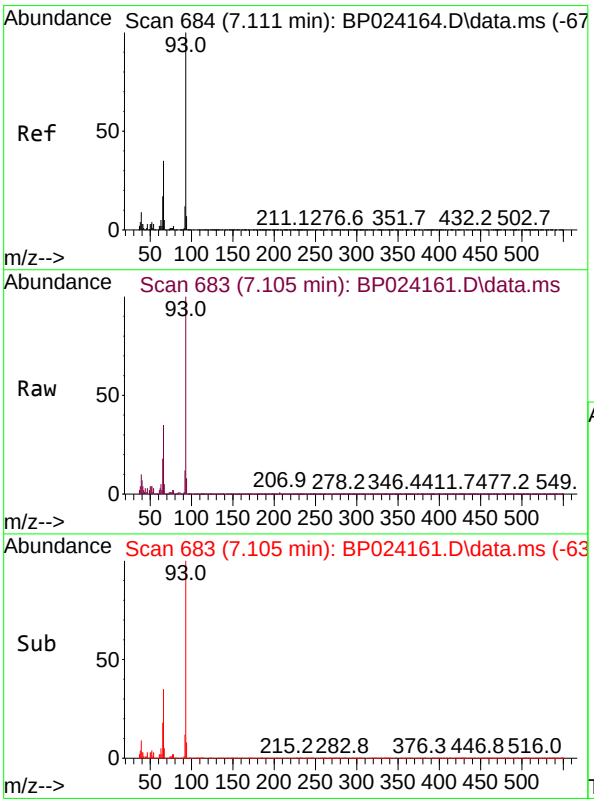

#5
2-Fluorophenol
Concen: 9.032 ng
RT: 5.381 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:112 Resp: 184089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.7 | 41.3 | 61.9 |
| 63 | 26.7 | 20.6 | 31.0 |

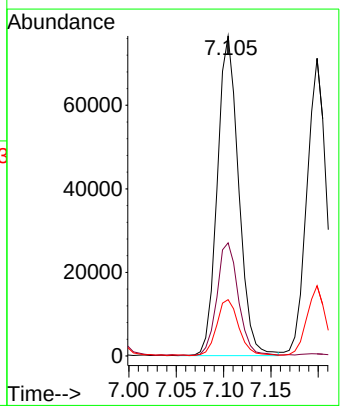


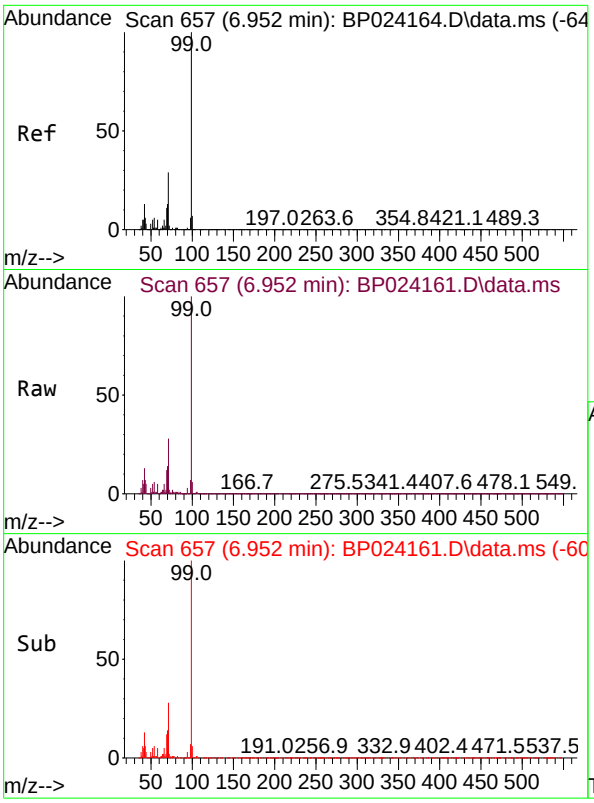




#6
Aniline
Concen: 4.998 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion: 93 Resp: 119908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 35.3 | 28.2 | 42.2 |
| 65 | 17.6 | 14.0 | 21.0 |



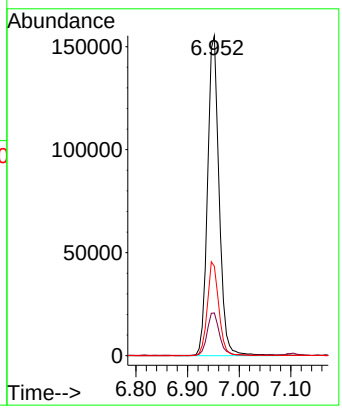


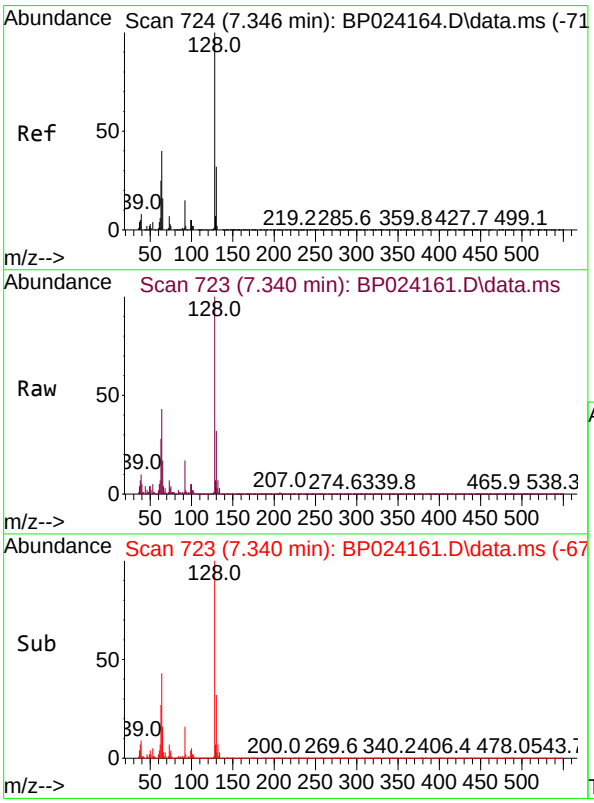

#7
Phenol-d6
Concen: 9.213 ng
RT: 6.952 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion: 99 Resp: 241350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.3 | 10.6 | 16.0 |
| 71 | 27.9 | 23.3 | 34.9 |

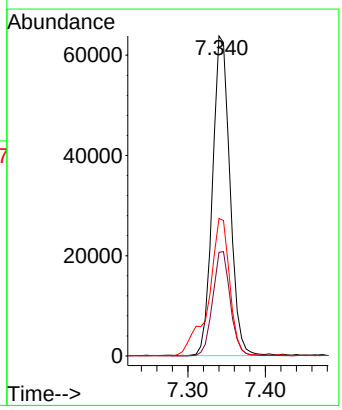


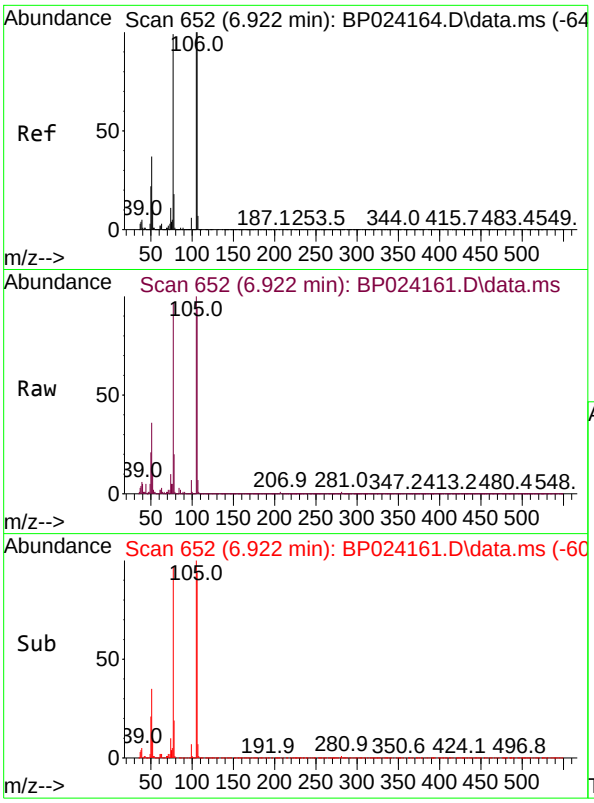




#8
2-Chlorophenol
Concen: 4.632 ng
RT: 7.340 min Scan# 723
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:128 Resp: 99927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.4 | 12.0 | 52.0 |
| 64 | 43.0 | 21.6 | 61.6 |



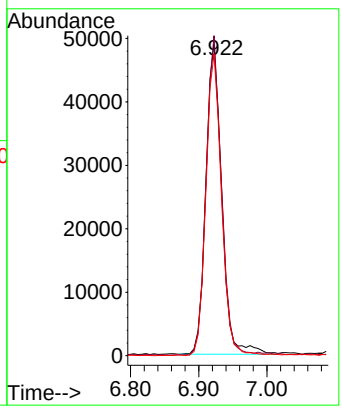


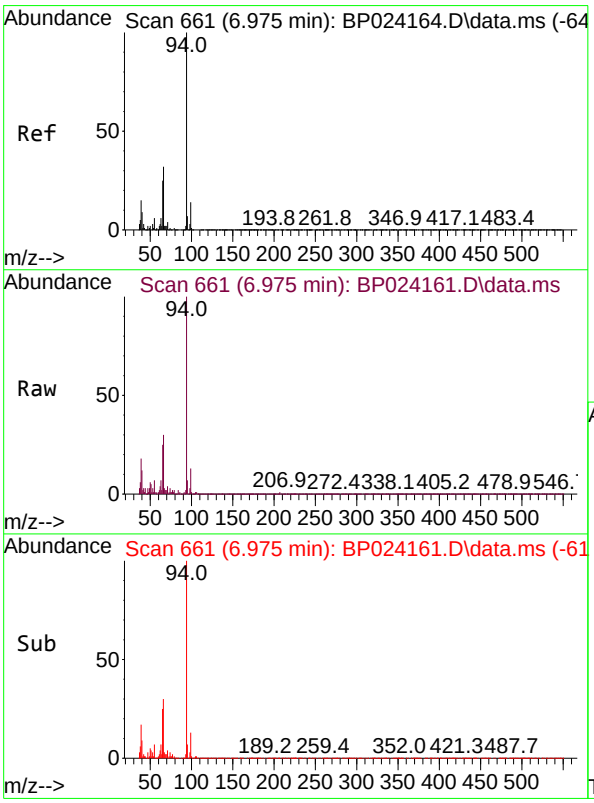

#9
Benzaldehyde
Concen: 6.656 ng
RT: 6.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion: 77 Resp: 79614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 102.6 | 81.4 | 121.4 |
| 106 | 96.7 | 81.1 | 121.1 |

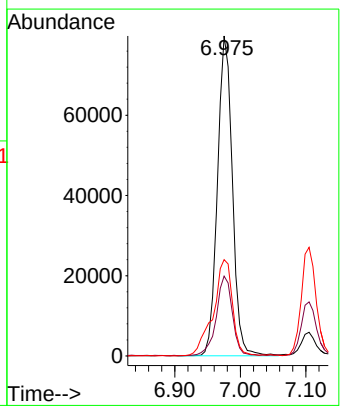


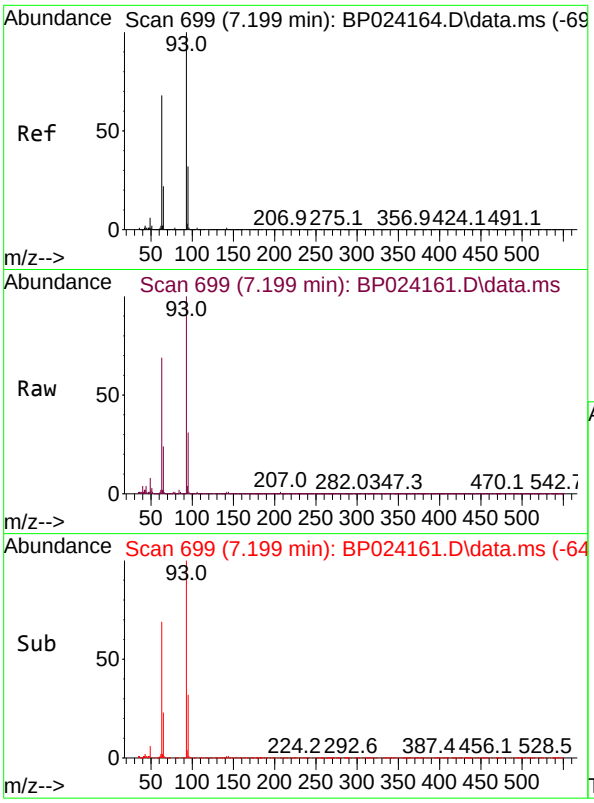




#10
Phenol
Concen: 4.767 ng
RT: 6.975 min Scan# 661
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion: 94 Resp: 125574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 24.9 | 4.9 | 44.9 |
| 66 | 30.1 | 11.9 | 51.9 |



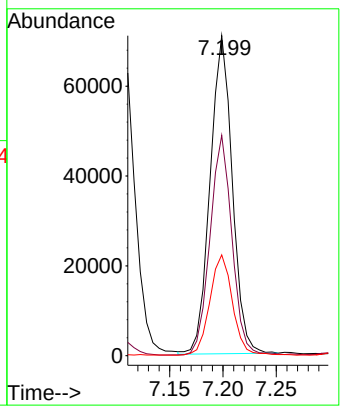


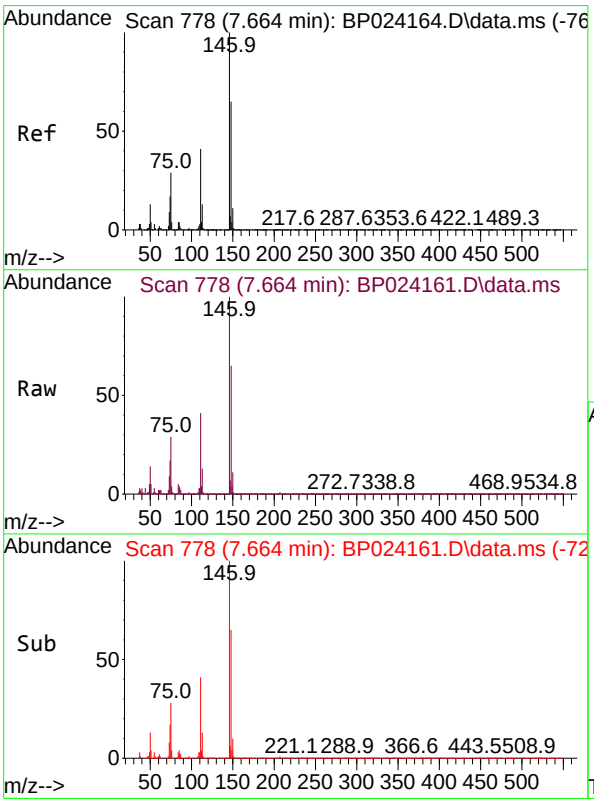

#11
bis(2-Chloroethyl)ether
Concen: 4.926 ng
RT: 7.199 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion: 93 Resp: 102214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 68.8 | 47.4 | 87.4 |
| 95 | 31.5 | 12.1 | 52.1 |

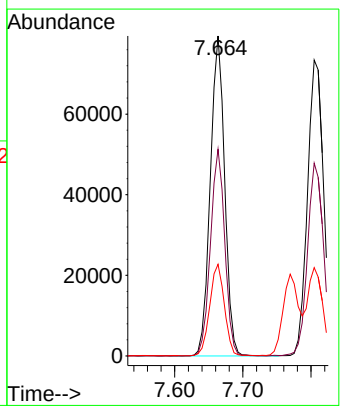


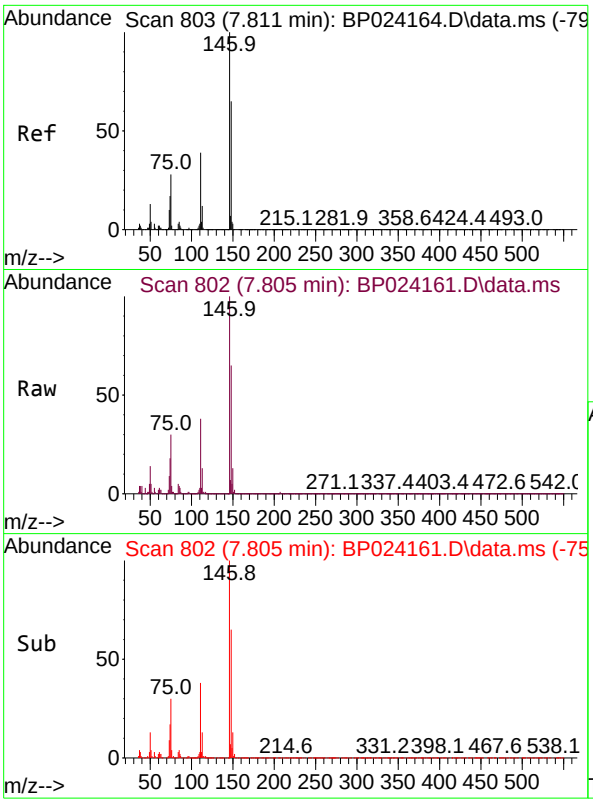




#12
1,3-Dichlorobenzene
Concen: 4.917 ng
RT: 7.664 min Scan# 778
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:146 Resp: 116531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.6 | 51.6 | 77.4 |
| 75 | 28.6 | 22.8 | 34.2 |



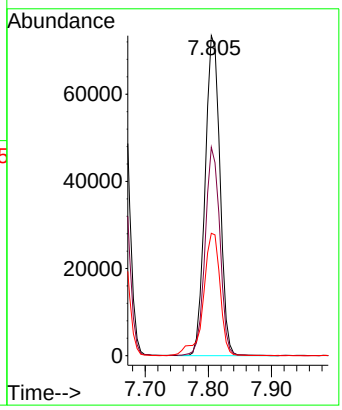


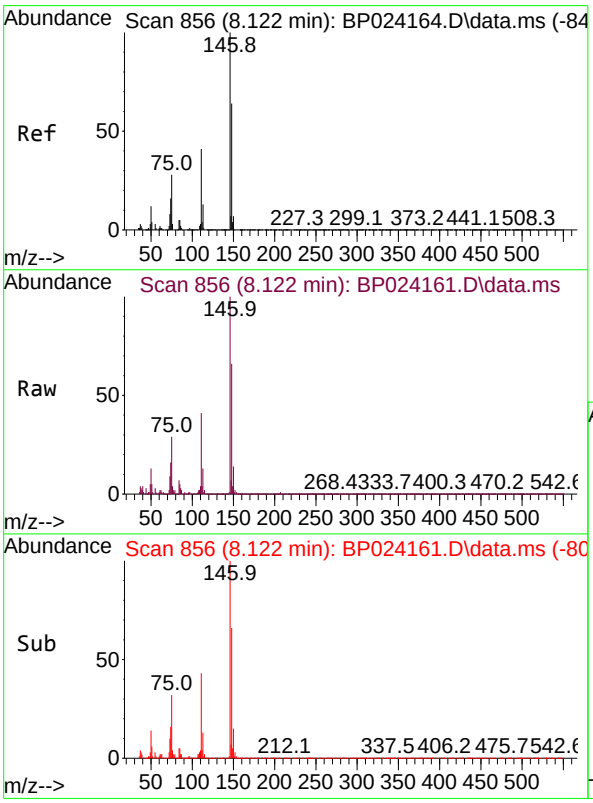

#13
1,4-Dichlorobenzene
Concen: 4.998 ng
RT: 7.805 min Scan# 8(
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:146 Resp: 119798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.2 | 51.9 | 77.9 |
| 111 | 38.3 | 31.4 | 47.2 |

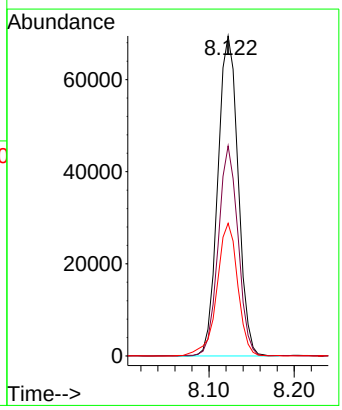


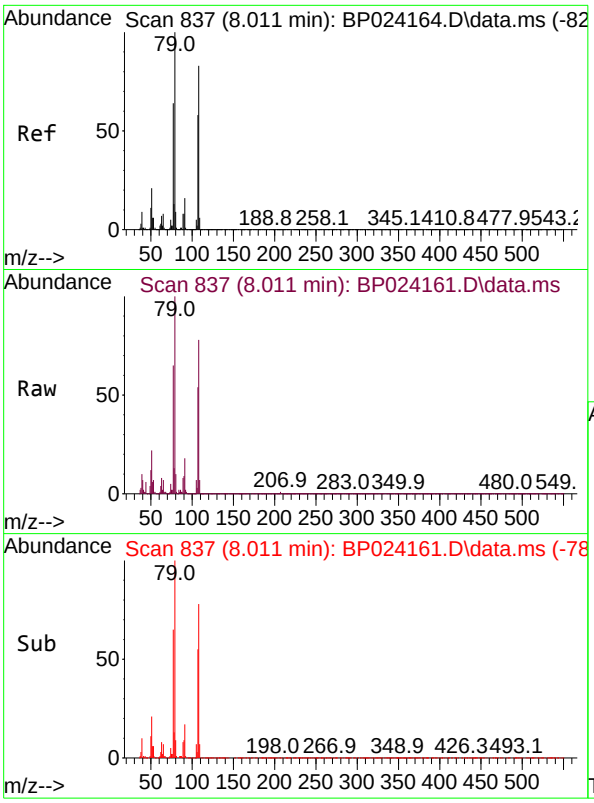




#14
1,2-Dichlorobenzene
Concen: 4.998 ng
RT: 8.122 min Scan# 856
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:146 Resp: 114960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.7 | 51.4 | 77.2 |
| 111 | 41.4 | 33.2 | 49.8 |



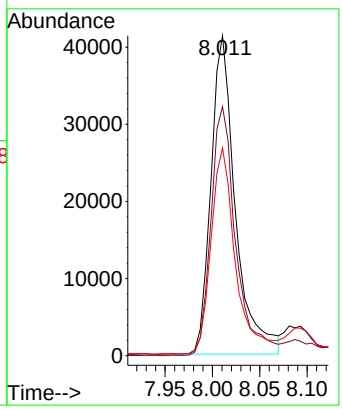


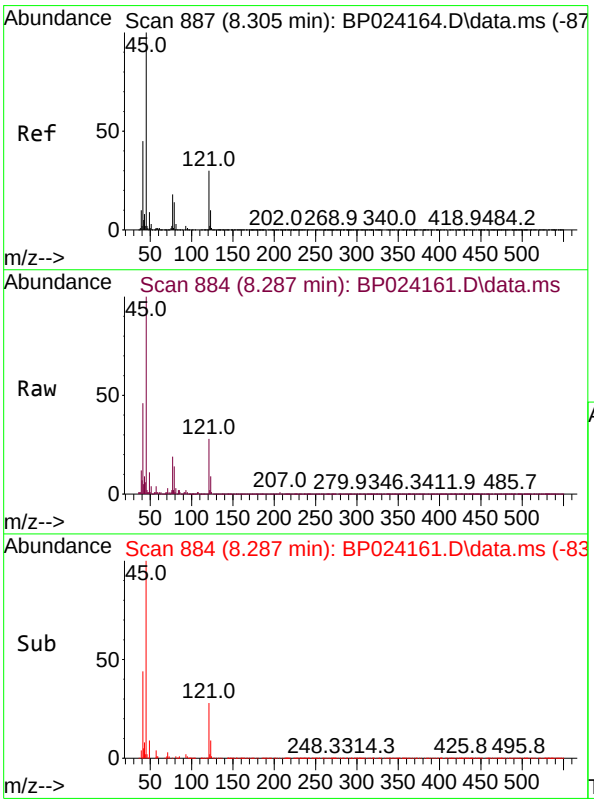

#15
Benzyl Alcohol
Concen: 4.630 ng
RT: 8.011 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion: 79 Resp: 74252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 77.9 | 66.5 | 99.7 |
| 77 | 64.9 | 50.9 | 76.3 |

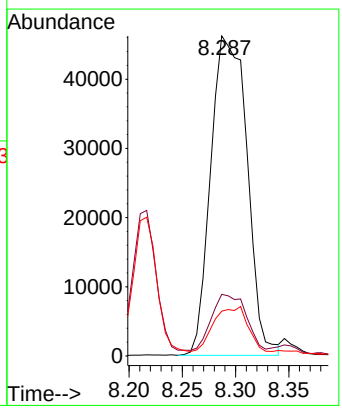


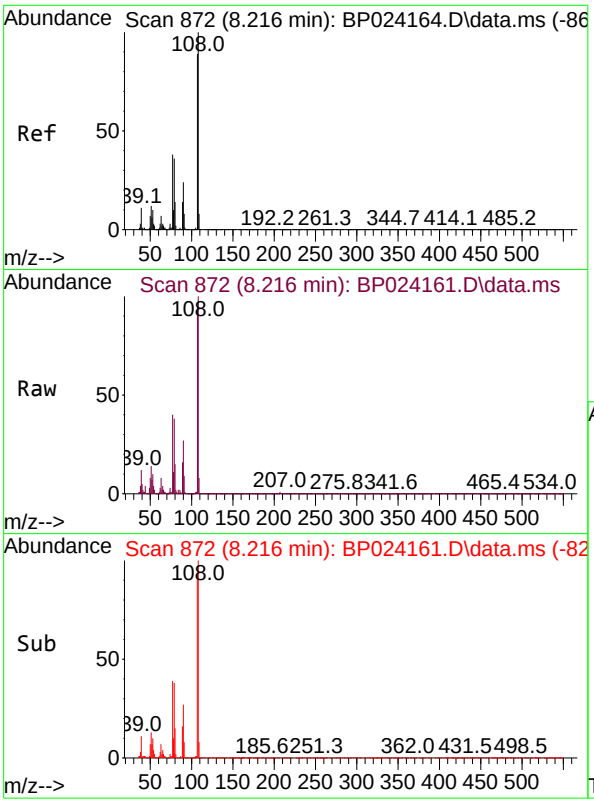




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.422 ng
RT: 8.287 min Scan# 884
Delta R.T. -0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion: 45 Resp: 109209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 19.2 | 0.0 | 39.0 |
| 79 | 14.0 | 0.0 | 35.6 |



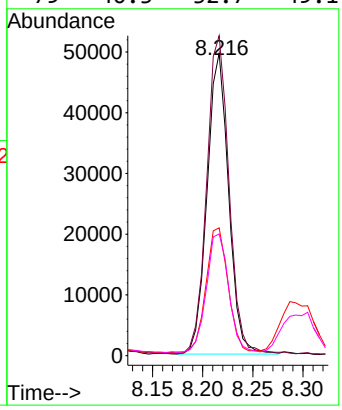


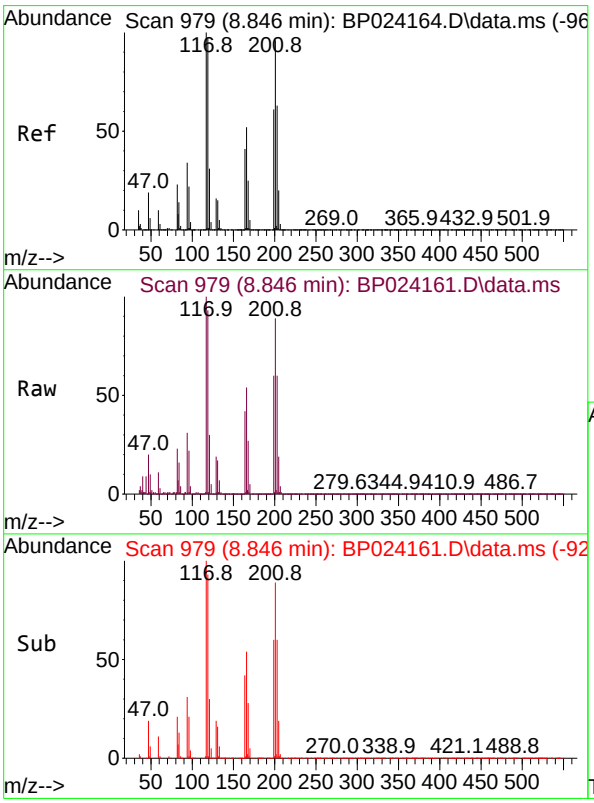

#17
2-Methylphenol
Concen: 4.616 ng
RT: 8.216 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:107 Resp: 74107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 105.7 | 90.0 | 135.0 |
| 77 | 42.2 | 34.0 | 51.0 |
| 79 | 40.3 | 32.7 | 49.1 |

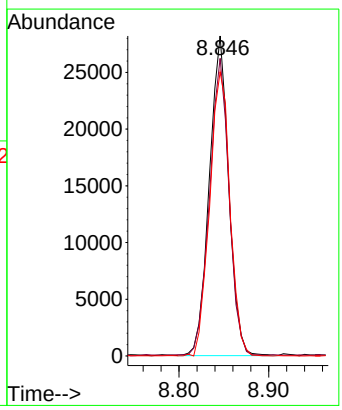


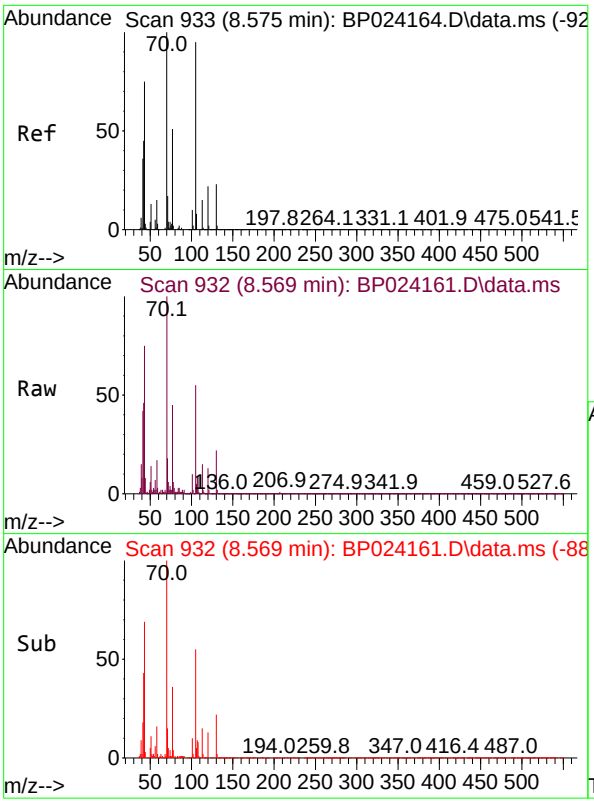




#18
Hexachloroethane
Concen: 4.909 ng
RT: 8.846 min Scan# 979
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:117 Resp: 42376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 93.0 | 77.4 | 116.0 |
| 201 | 91.0 | 76.6 | 114.8 |



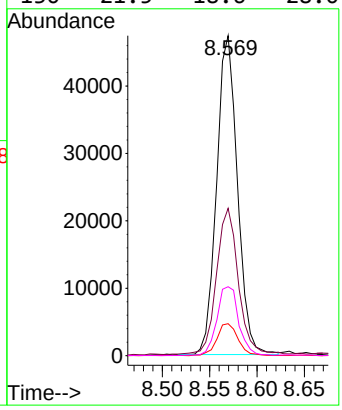


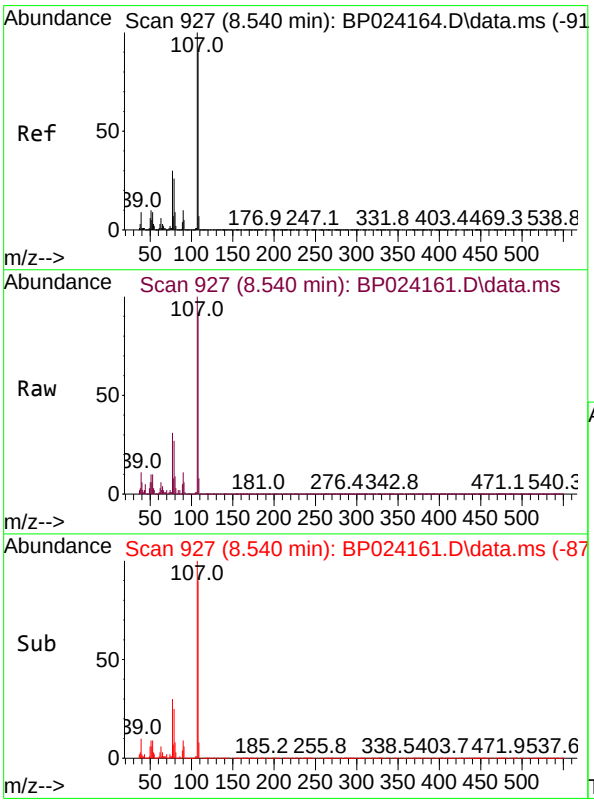

#19
n-Nitroso-di-n-propylamine
Concen: 5.139 ng
RT: 8.569 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion: 70 Resp: 72383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 46.0 | 36.0 | 54.0 |
| 101 | 10.0 | 8.3 | 12.5 |
| 130 | 21.5 | 18.6 | 28.0 |

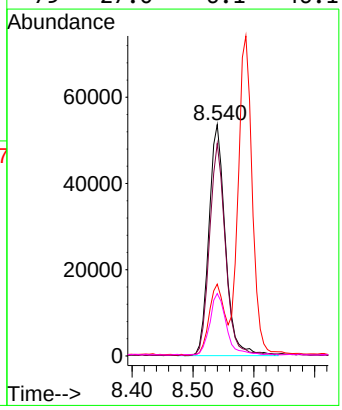


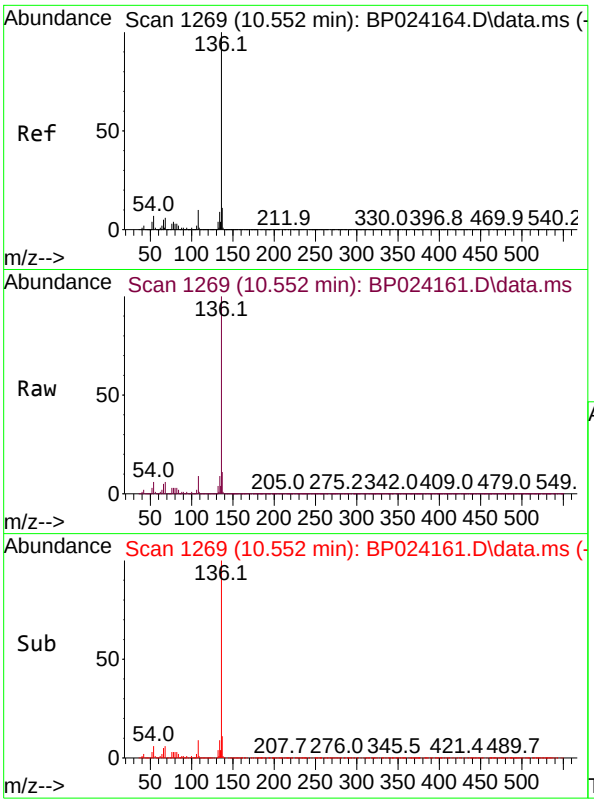




#20
3+4-Methylphenols
Concen: 4.606 ng
RT: 8.540 min Scan# 927
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:107 Resp: 100588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.8 | 69.7 | 109.7 |
| 77 | 31.0 | 10.3 | 50.3 |
| 79 | 27.0 | 6.1 | 46.1 |



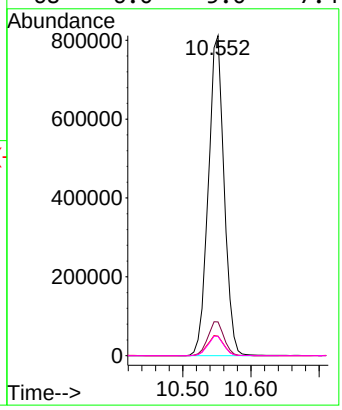


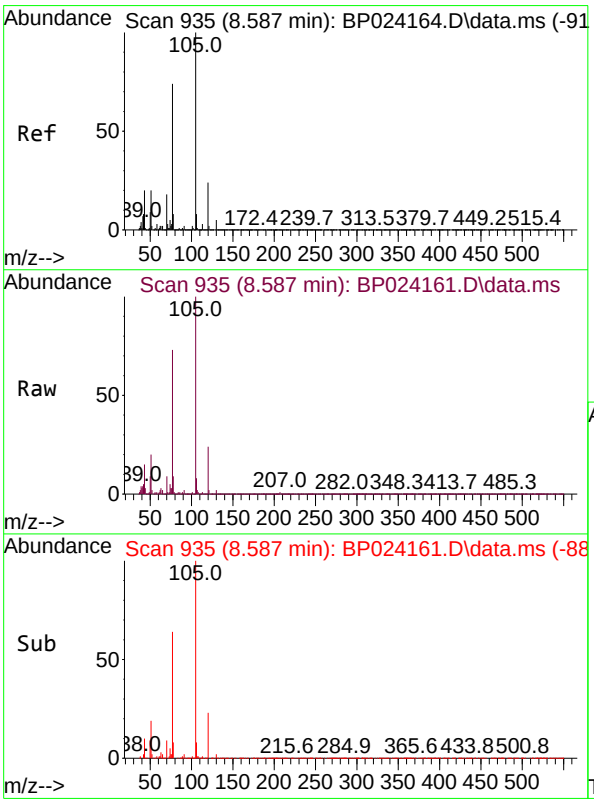

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.552 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:136 Resp: 1309940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 9.0 | 13.4 |
| 54 | 6.1 | 5.3 | 7.9 |
| 68 | 6.0 | 5.0 | 7.4 |

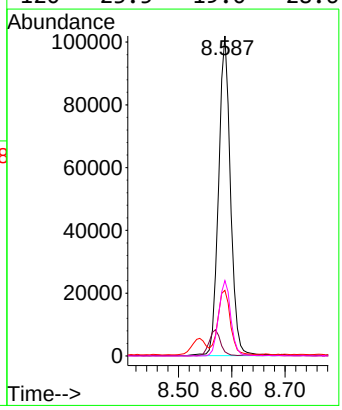


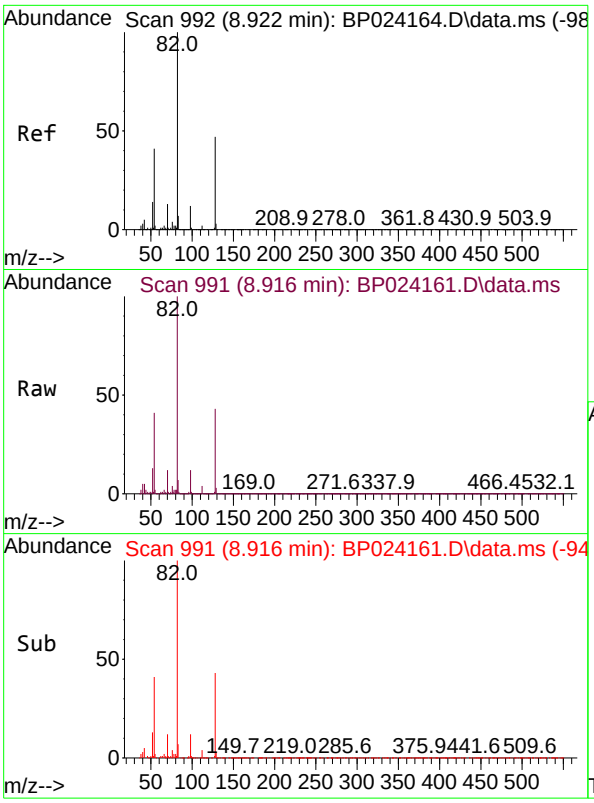




#22
Acetophenone
Concen: 4.699 ng
RT: 8.587 min Scan# 935
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:105 Resp: 158185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 1.3 | 2.4 | 3.6# |
| 51 | 20.5 | 16.2 | 24.2 |
| 120 | 23.5 | 19.0 | 28.6 |



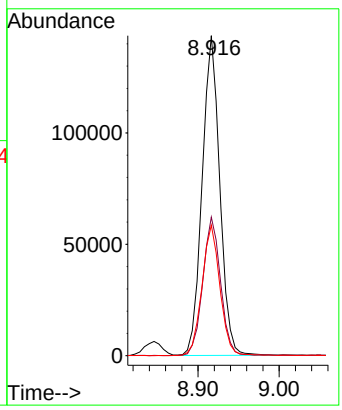


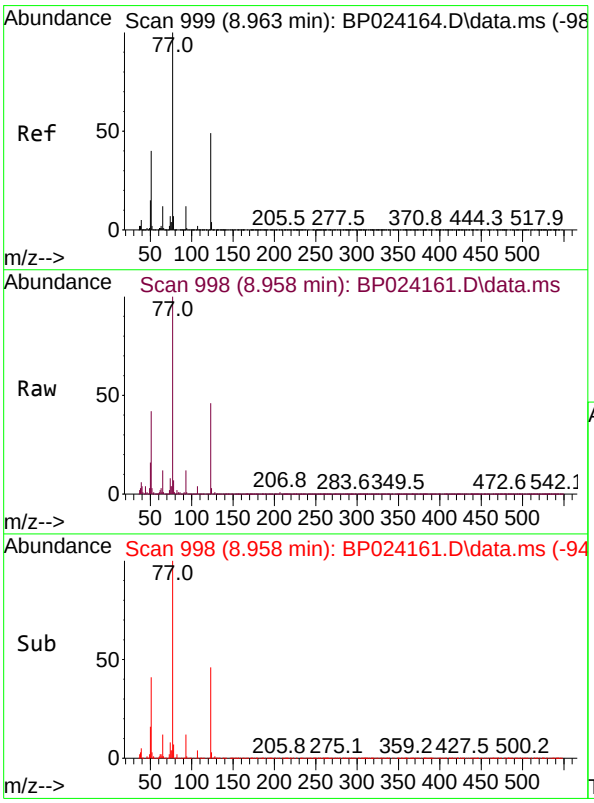

#23
Nitrobenzene-d5
Concen: 9.202 ng
RT: 8.916 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion: 82 Resp: 216074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.3 | 37.4 | 56.0 |
| 54 | 40.8 | 32.5 | 48.7 |

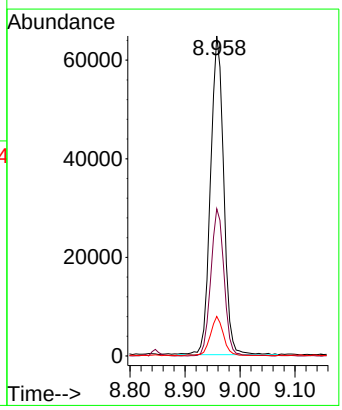


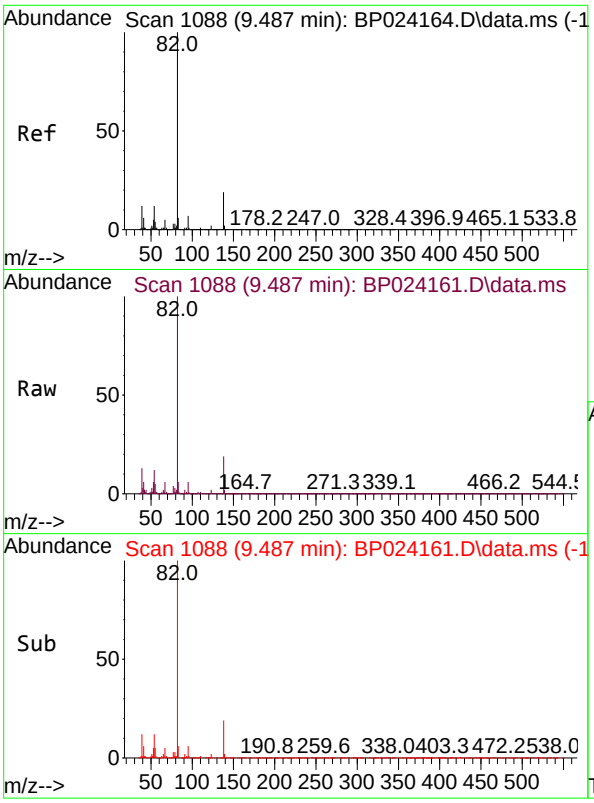




#24
Nitrobenzene
Concen: 4.677 ng
RT: 8.958 min Scan# 998
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion: 77 Resp: 108086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.0 | 39.4 | 59.2 |
| 65 | 12.4 | 9.9 | 14.9 |



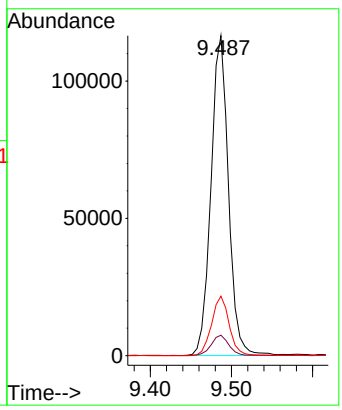


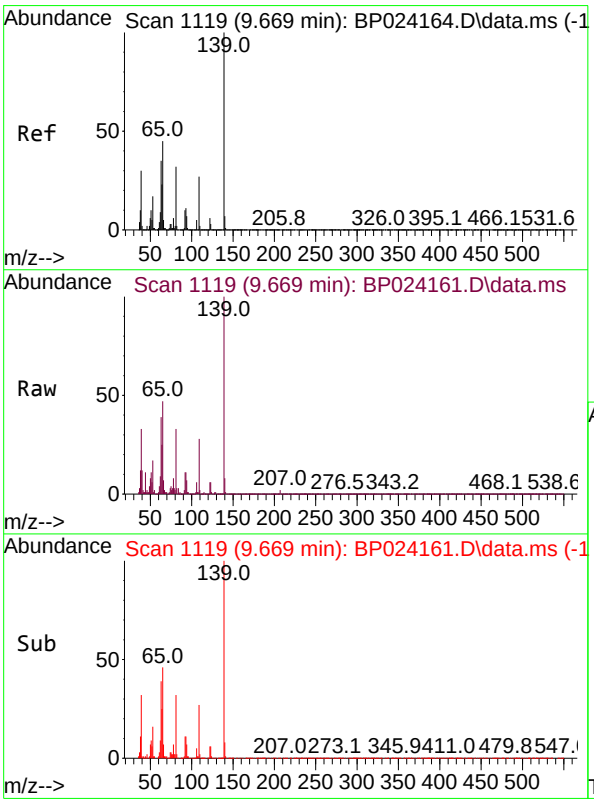

#25
Isophorone
Concen: 4.540 ng
RT: 9.487 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion: 82 Resp: 174338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.4 | 5.3 | 7.9 |
| 138 | 18.6 | 14.8 | 22.2 |

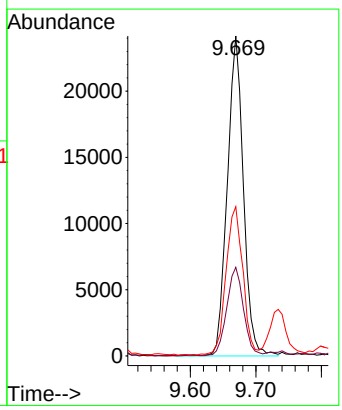


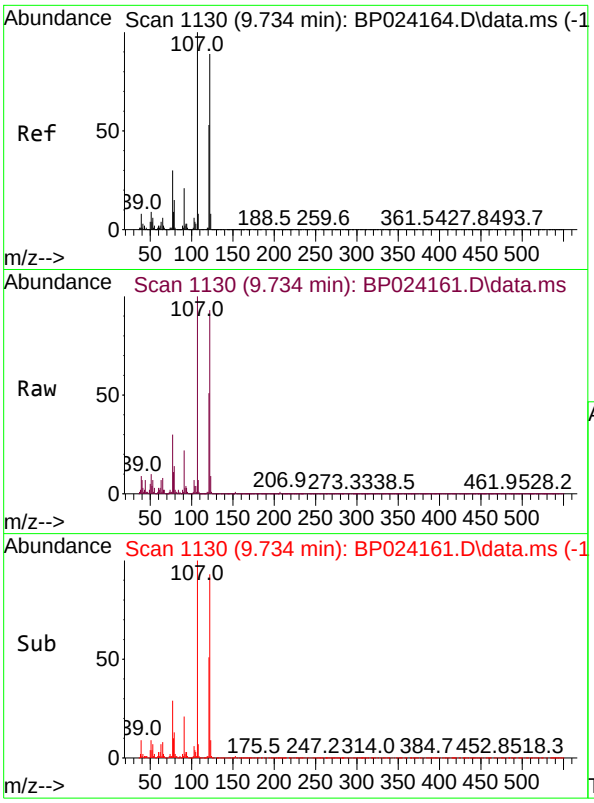




#26
2-Nitrophenol
Concen: 3.880 ng
RT: 9.669 min Scan# 1119
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:139 Resp: 41305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 27.7 | 21.7 | 32.5 |
| 65 | 46.6 | 35.8 | 53.8 |



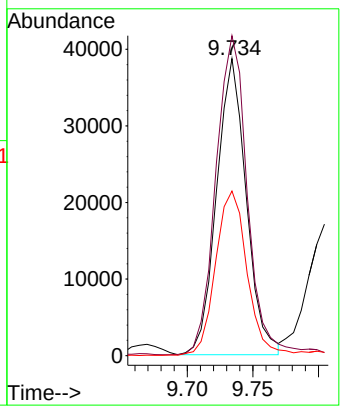


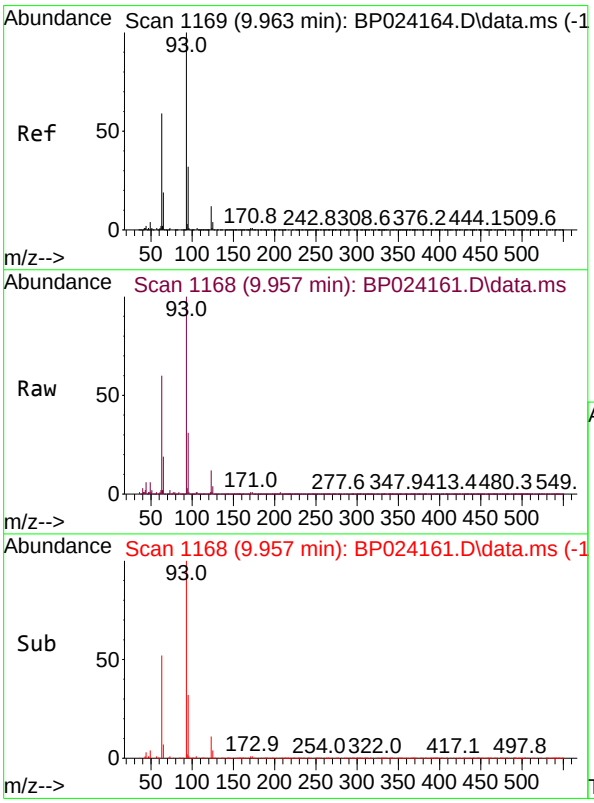

#27
2,4-Dimethylphenol
Concen: 4.354 ng
RT: 9.734 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:122 Resp: 60843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 107.7 | 89.3 | 133.9 |
| 121 | 55.4 | 47.5 | 71.3 |

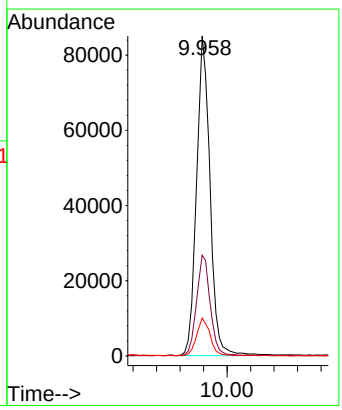


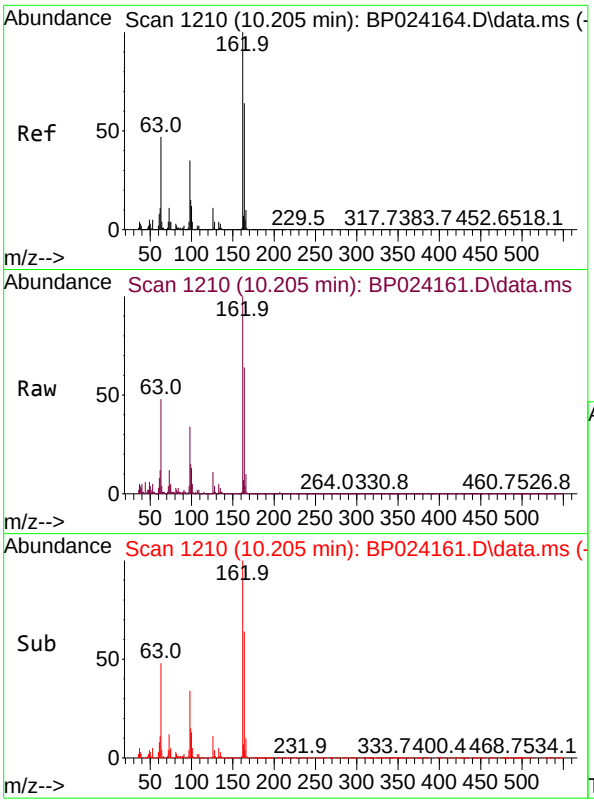




#28
bis(2-Chloroethoxy)methane
Concen: 4.872 ng
RT: 9.957 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion: 93 Resp: 135529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 31.5 | 25.9 | 38.9 |
| 123 | 11.9 | 9.5 | 14.3 |



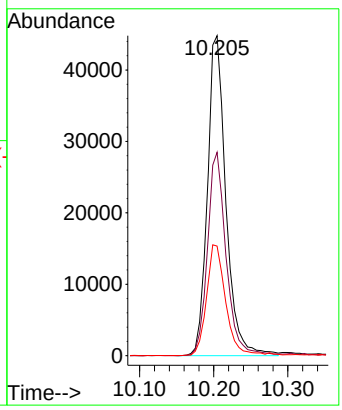


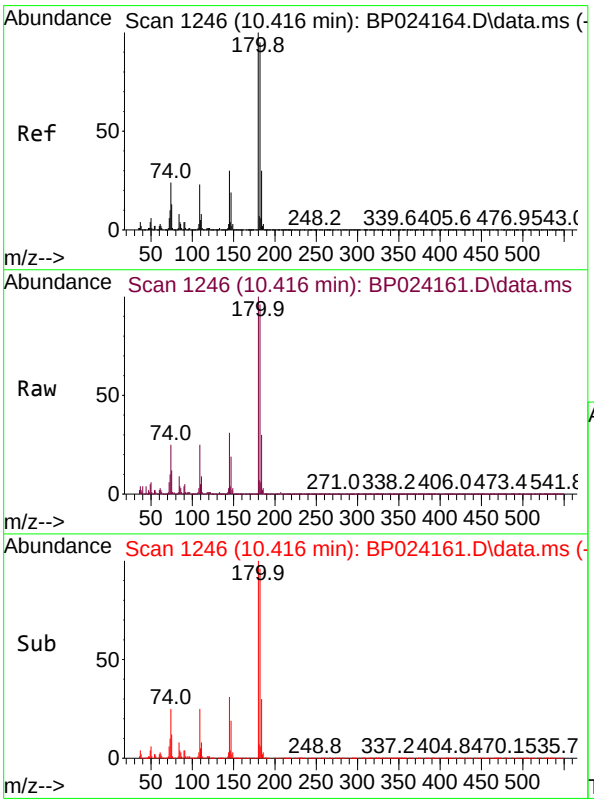

#29
2,4-Dichlorophenol
Concen: 4.072 ng
RT: 10.205 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:162 Resp: 77653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.6 | 44.2 | 84.2 |
| 98 | 34.2 | 15.1 | 55.1 |

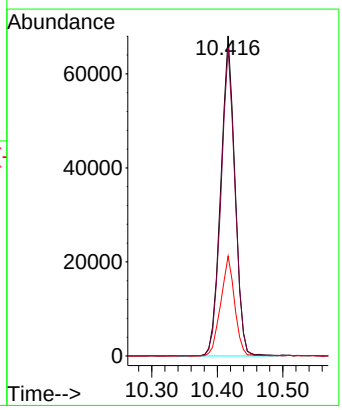


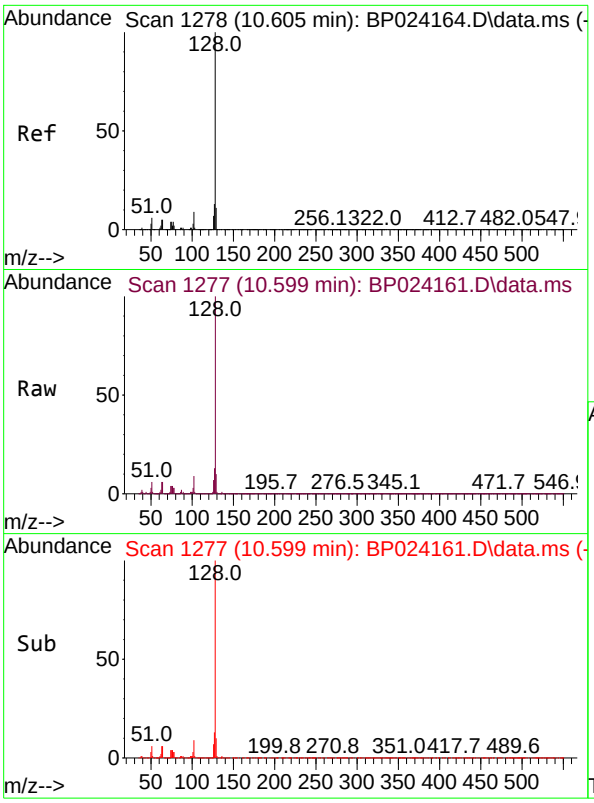




#30
1,2,4-Trichlorobenzene
Concen: 4.646 ng
RT: 10.416 min Scan# 1246
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:180 Resp: 101518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.2 | 76.1 | 114.1 |
| 145 | 31.2 | 24.2 | 36.2 |



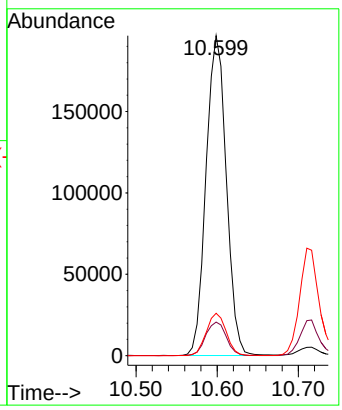


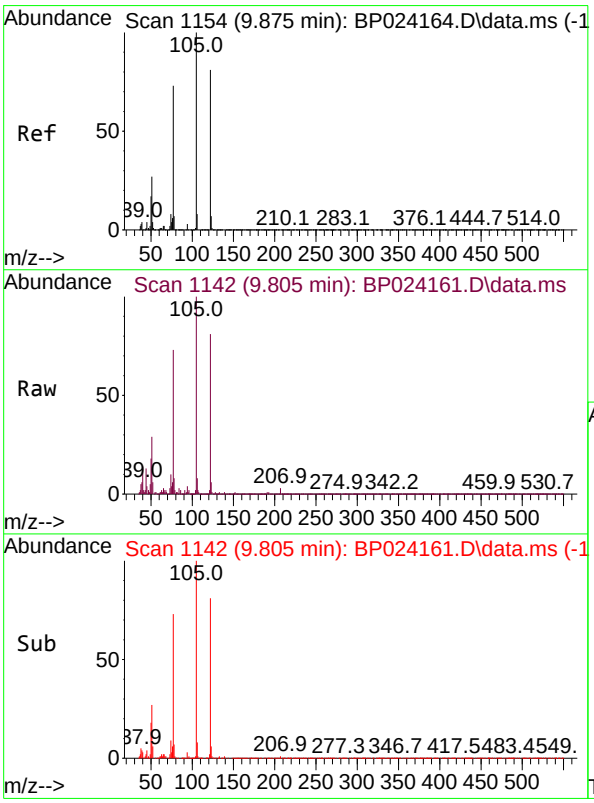

#31
Naphthalene
Concen: 4.840 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:128 Resp: 340918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.5 | 8.7 | 13.1 |
| 127 | 13.3 | 10.4 | 15.6 |

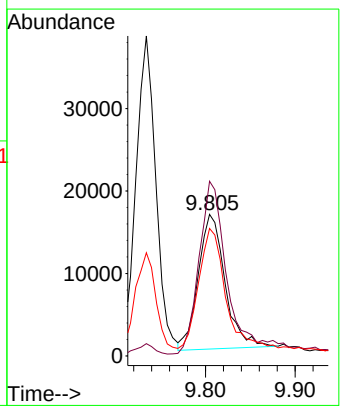


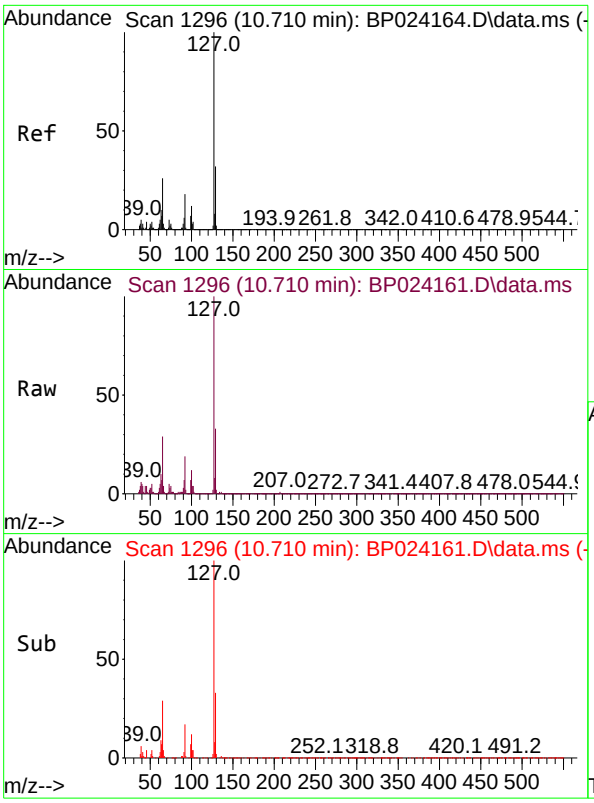




#32
Benzoic acid
Concen: 2.650 ng
RT: 9.805 min Scan# 1142
Delta R.T. -0.071 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:122 Resp: 33949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 123.4 | 100.3 | 140.3 |
| 77 | 90.1 | 69.1 | 109.1 |



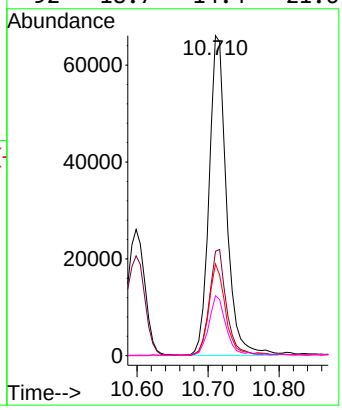


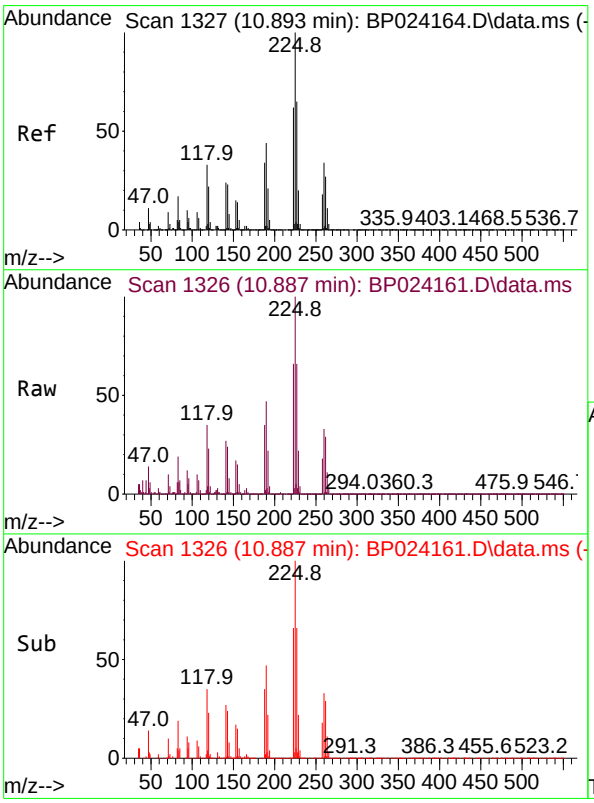

#33
4-Chloroaniline
Concen: 4.545 ng
RT: 10.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:127 Resp: 112776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.6 | 25.8 | 38.6 |
| 65 | 28.7 | 21.2 | 31.8 |
| 92 | 18.7 | 14.4 | 21.6 |

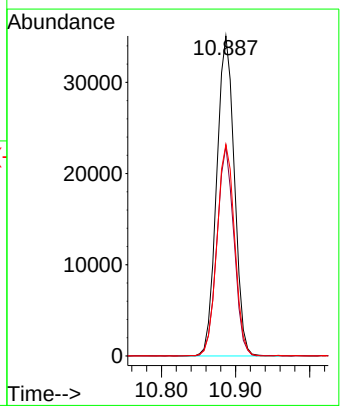


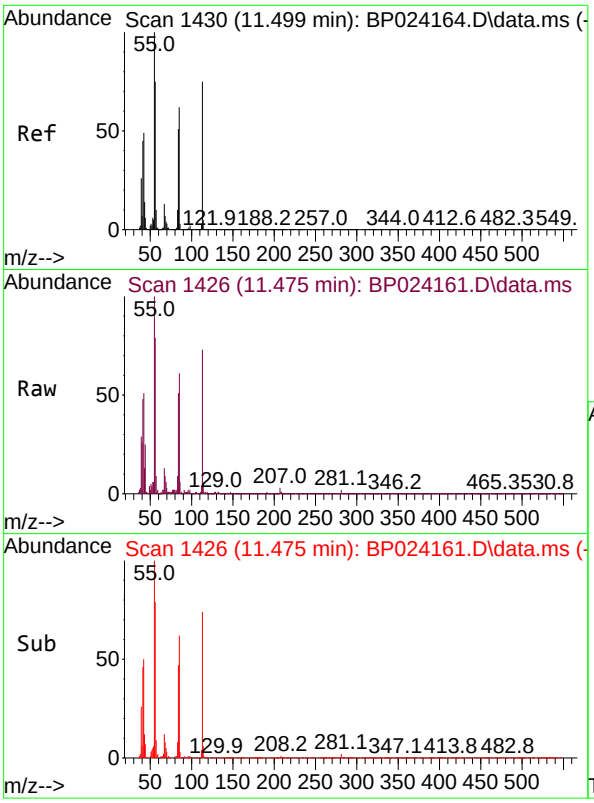




#34
Hexachlorobutadiene
Concen: 4.589 ng
RT: 10.887 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:225 Resp: 58080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.6 | 49.9 | 74.9 |
| 227 | 66.1 | 52.2 | 78.2 |



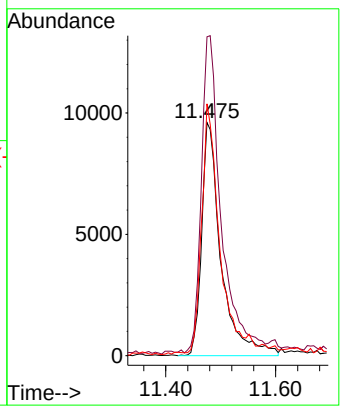


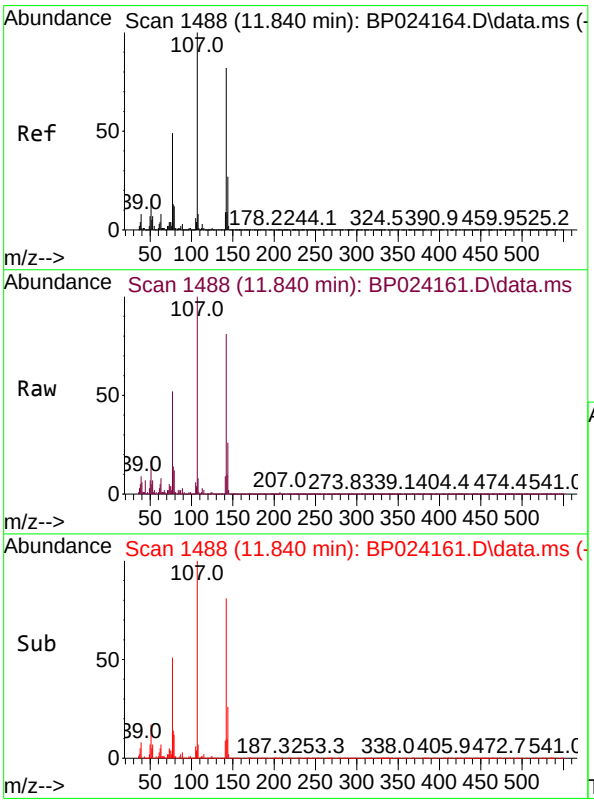

#35
Caprolactam
Concen: 4.057 ng
RT: 11.475 min Scan# 14
Delta R.T. -0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:113 Resp: 23432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 136.8 | 113.6 | 153.6 |
| 56 | 108.1 | 80.0 | 120.0 |

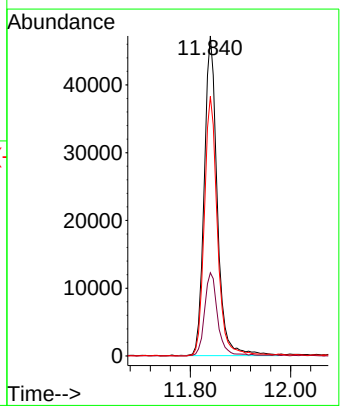


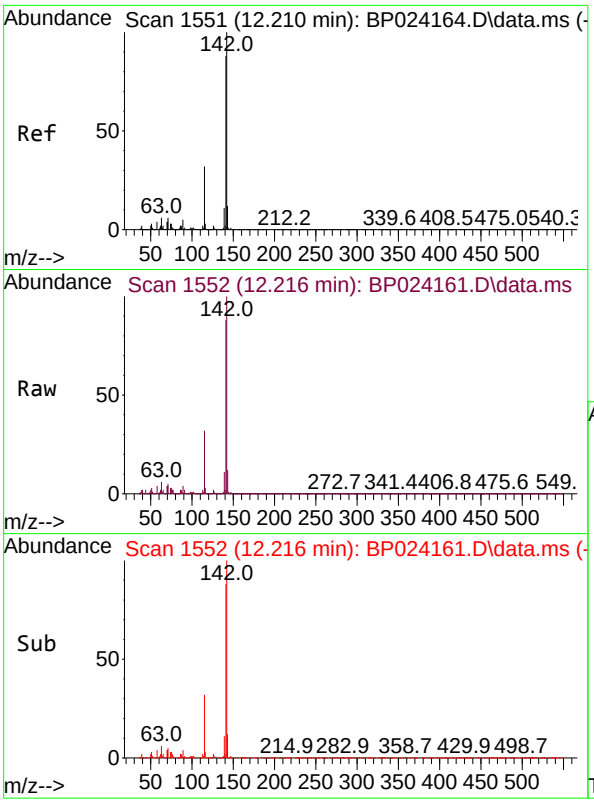




#36
4-Chloro-3-methylphenol
Concen: 4.352 ng
RT: 11.840 min Scan# 1488
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:107 Resp: 85333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.0 | 21.6 | 32.4 |
| 142 | 81.1 | 65.4 | 98.0 |



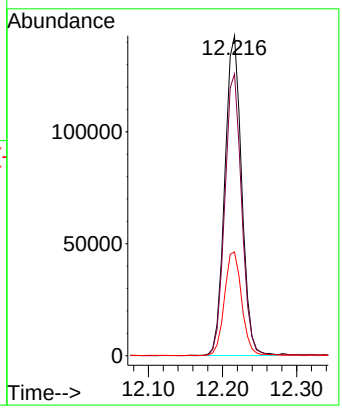


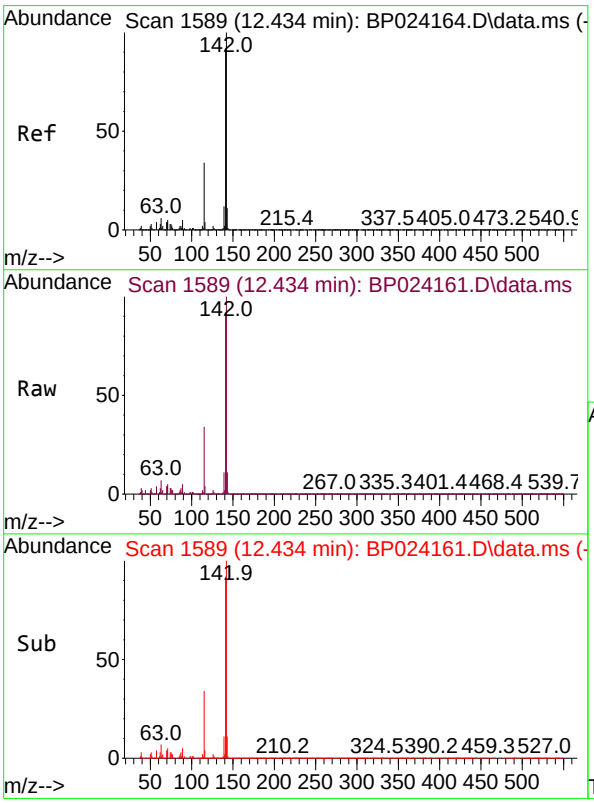

#37
2-Methylnaphthalene
Concen: 4.817 ng
RT: 12.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:142 Resp: 225485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.0 | 70.3 | 105.5 |
| 115 | 32.4 | 26.0 | 39.0 |

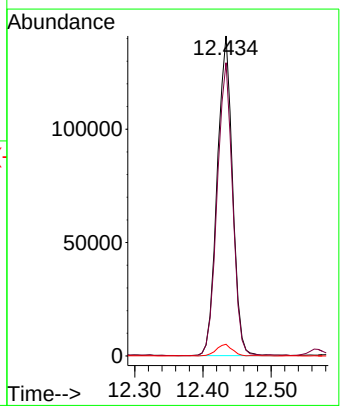


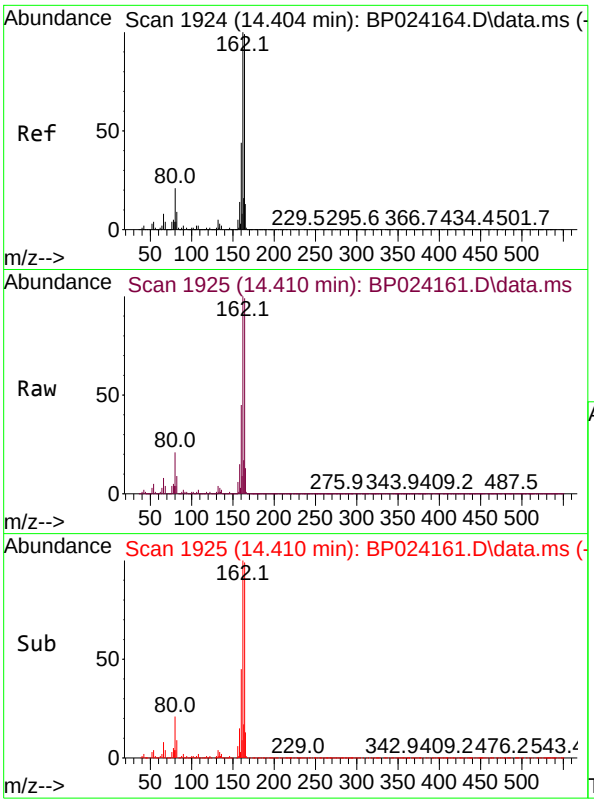




#38
1-Methylnaphthalene
Concen: 4.848 ng
RT: 12.434 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:142 Resp: 220784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.6 | 73.9 | 110.9 |
| 116 | 3.7 | 2.8 | 4.2 |



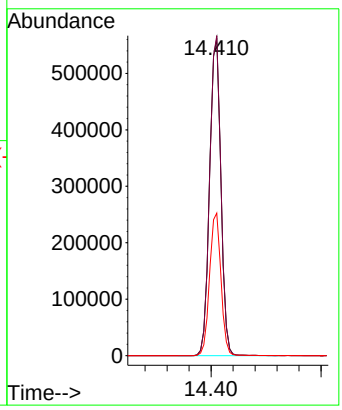


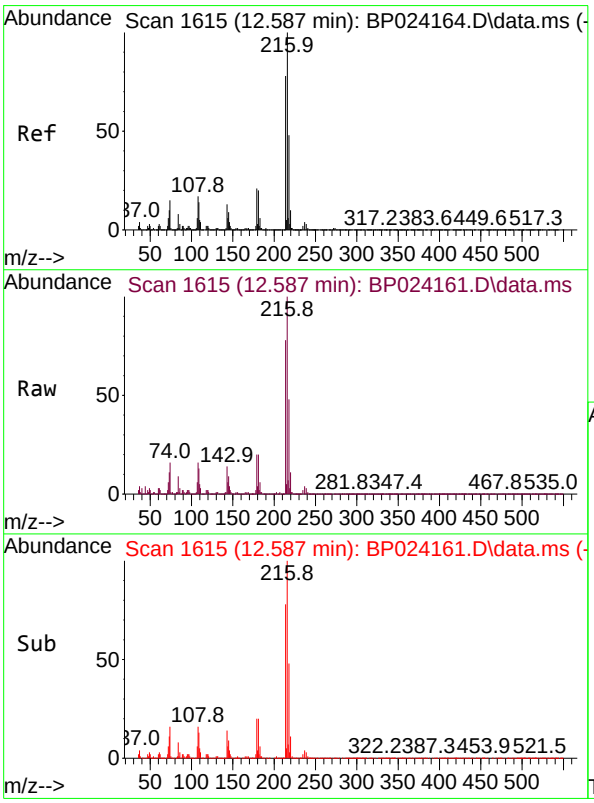

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:164 Resp: 799469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.8 | 80.6 | 121.0 |
| 160 | 44.9 | 35.4 | 53.2 |

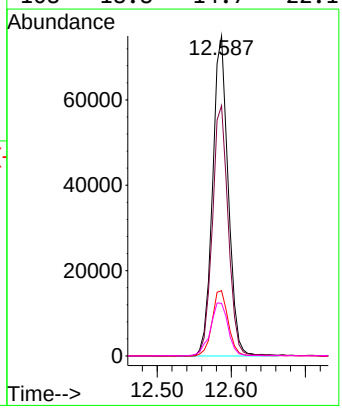


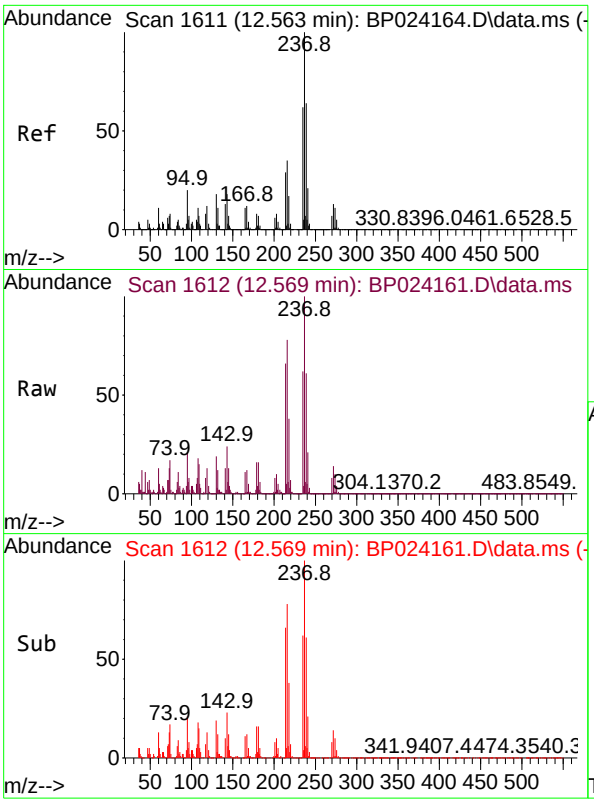




#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.459 ng
RT: 12.587 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:216 Resp: 109528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.5 | 62.8 | 94.2 |
| 179 | 21.1 | 16.8 | 25.2 |
| 108 | 18.8 | 14.7 | 22.1 |



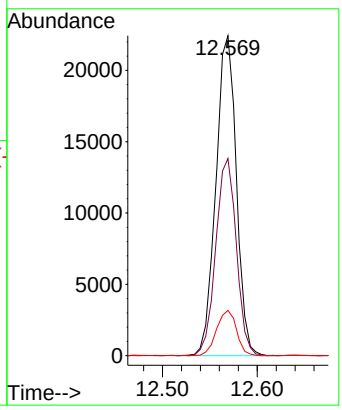


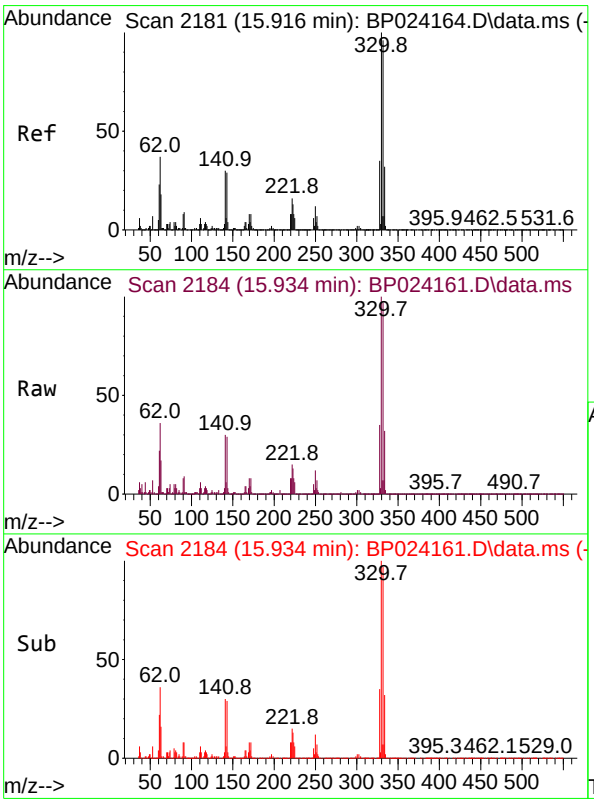

#41
Hexachlorocyclopentadiene
Concen: 3.693 ng
RT: 12.569 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:237 Resp: 33755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.6 | 41.8 | 81.8 |
| 272 | 14.2 | 0.0 | 33.5 |

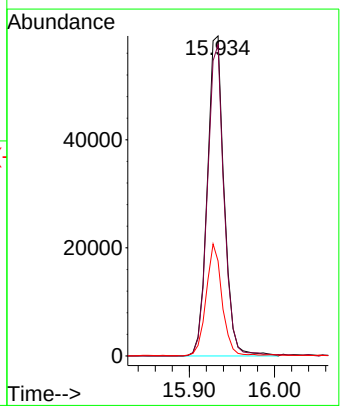


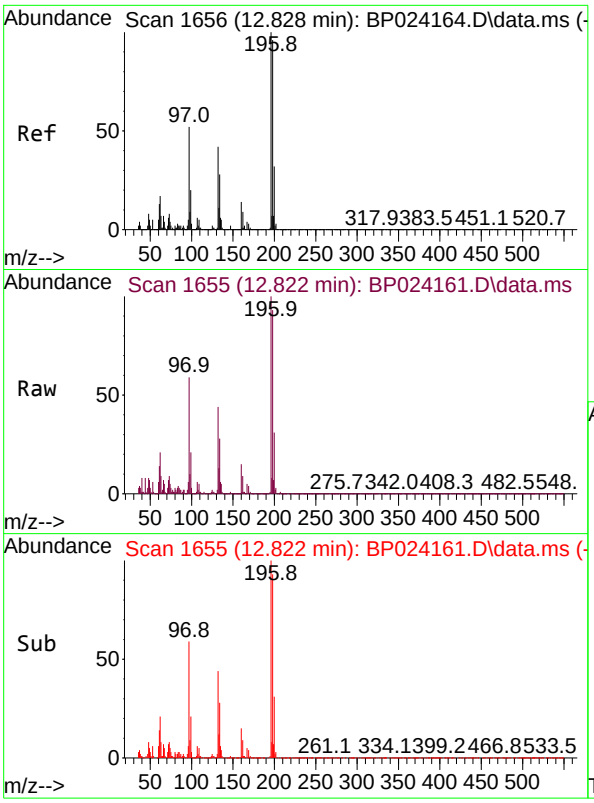




#42
2,4,6-Tribromophenol
Concen: 8.288 ng
RT: 15.934 min Scan# 2184
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:330 Resp: 81159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.2 | 77.6 | 116.4 |
| 141 | 33.0 | 25.0 | 37.6 |



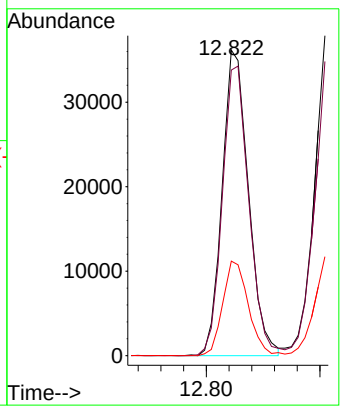


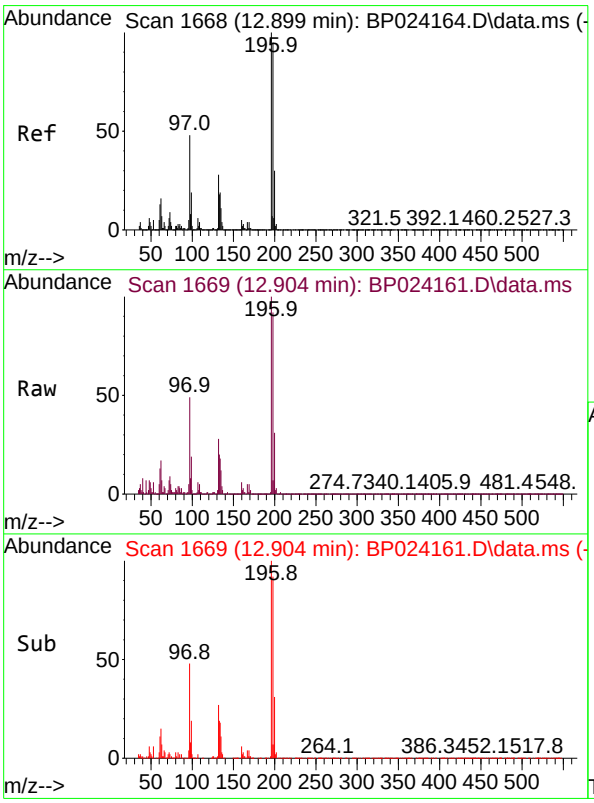

#43
2,4,6-Trichlorophenol
Concen: 3.883 ng
RT: 12.822 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:196 Resp: 58172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 93.4 | 76.6 | 115.0 |
| 200 | 30.9 | 25.4 | 38.0 |

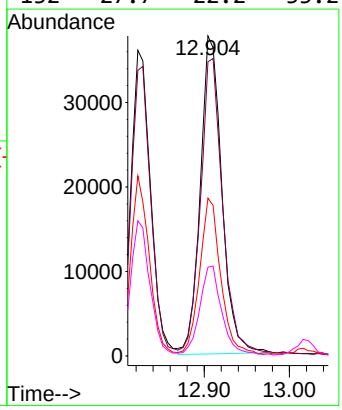


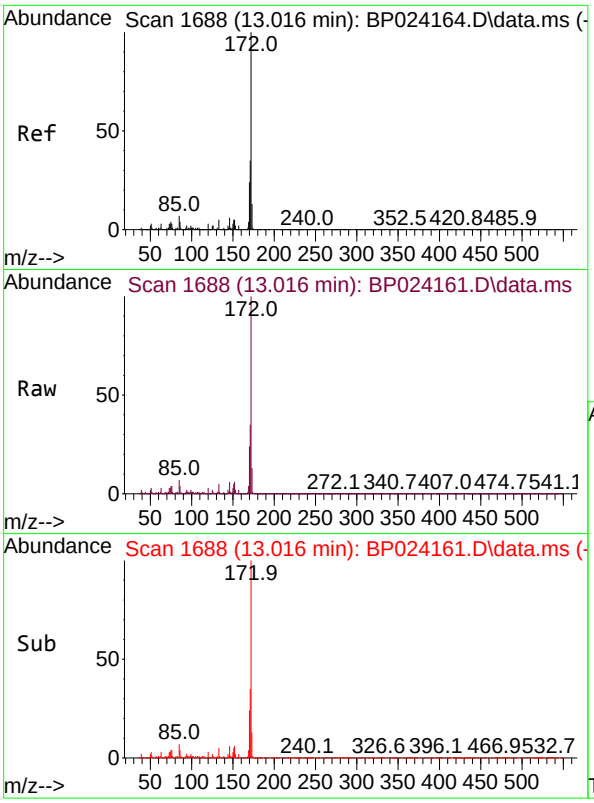




#44
2,4,5-Trichlorophenol
Concen: 4.044 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:196 Resp: 66250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 91.9 | 76.5 | 114.7 |
| 97 | 49.3 | 38.7 | 58.1 |
| 132 | 27.7 | 22.2 | 33.2 |



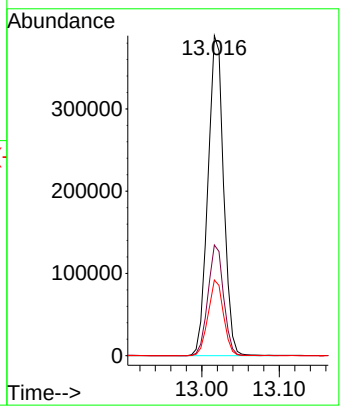


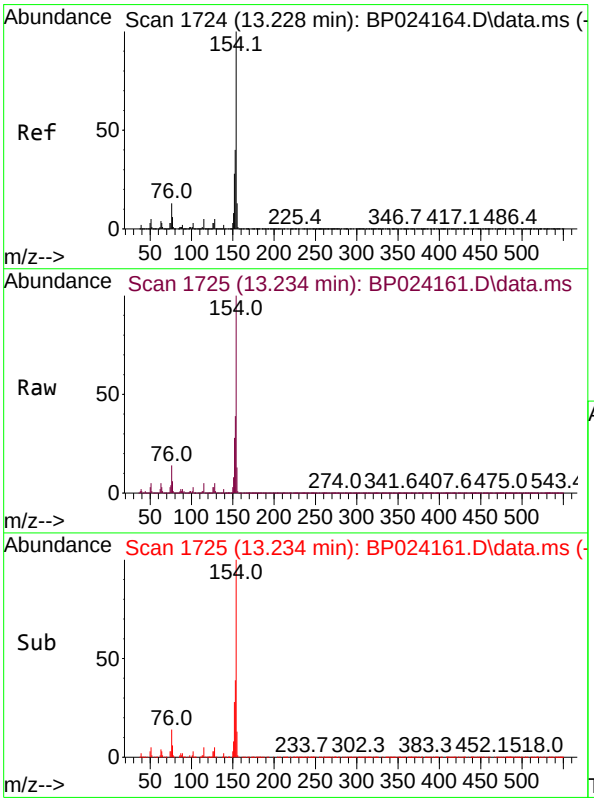

#45
2-Fluorobiphenyl
Concen: 9.532 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:172 Resp: 545120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.6 | 28.3 | 42.5 |
| 170 | 23.7 | 19.0 | 28.4 |

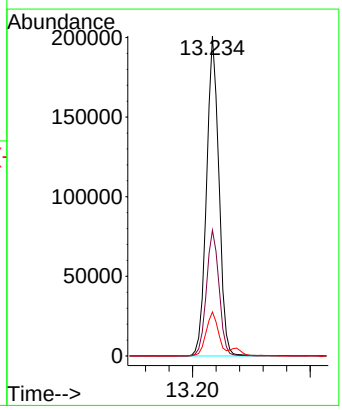


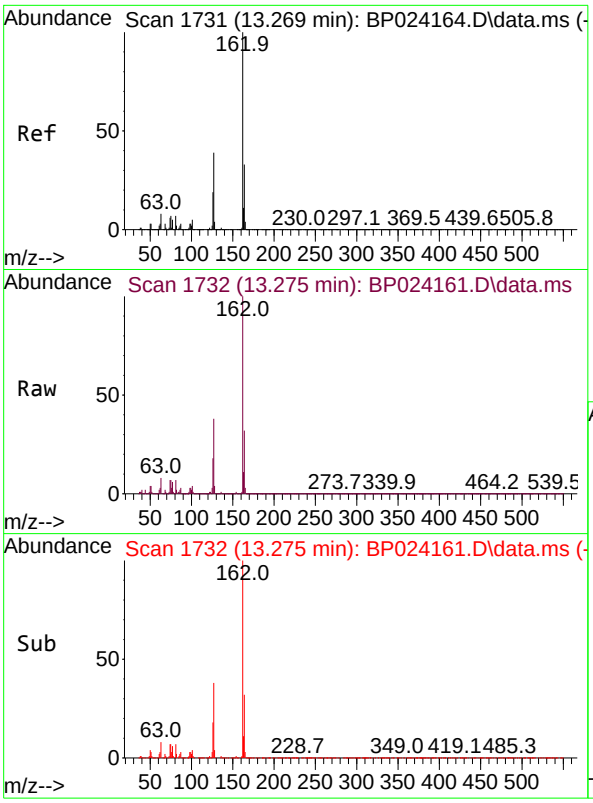




#46
1,1'-Biphenyl
Concen: 4.721 ng
RT: 13.234 min Scan# 1725
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:154 Resp: 293289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.3 | 20.3 | 60.3 |
| 76 | 13.7 | 0.0 | 32.9 |



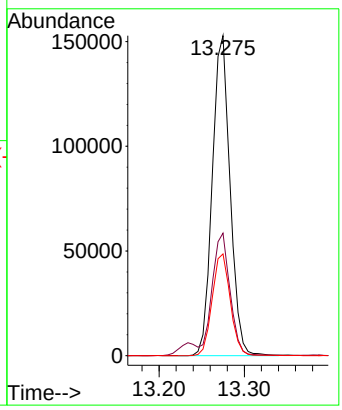


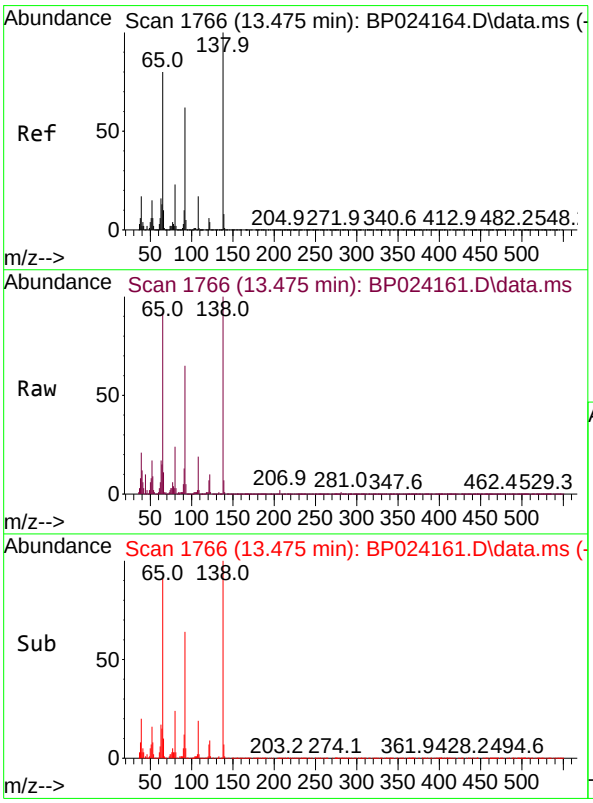

#47
2-Chloronaphthalene
Concen: 4.715 ng
RT: 13.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:162 Resp: 221413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 38.3 | 31.5 | 47.3 |
| 164 | 31.8 | 26.6 | 39.8 |

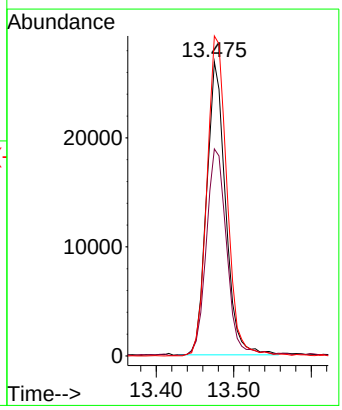


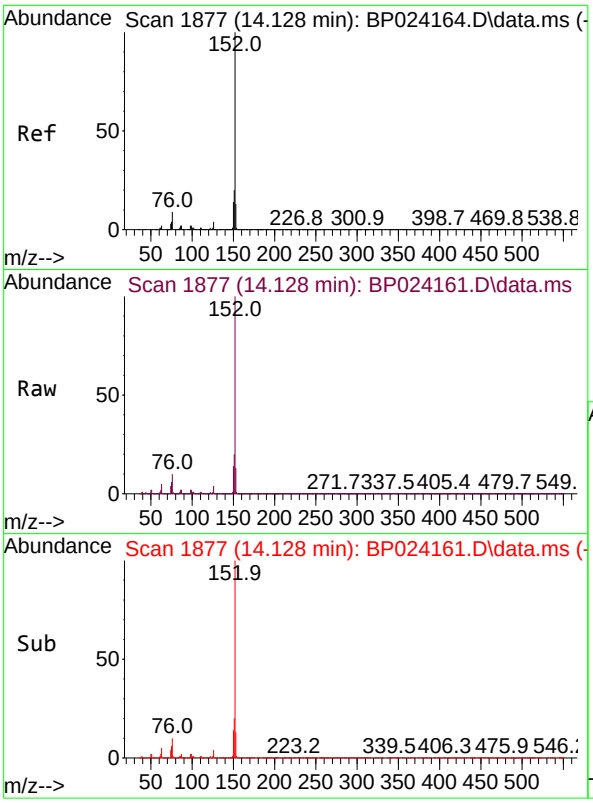




#48
2-Nitroaniline
Concen: 4.117 ng
RT: 13.475 min Scan# 1766
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion: 65 Resp: 45667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 70.4 | 62.1 | 93.1 |
| 138 | 108.8 | 99.5 | 149.3 |



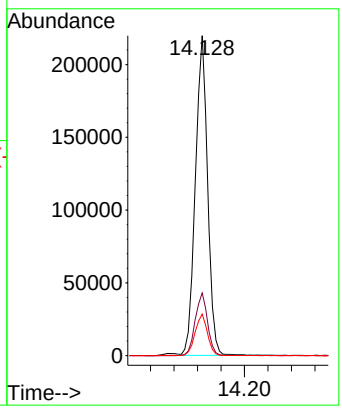


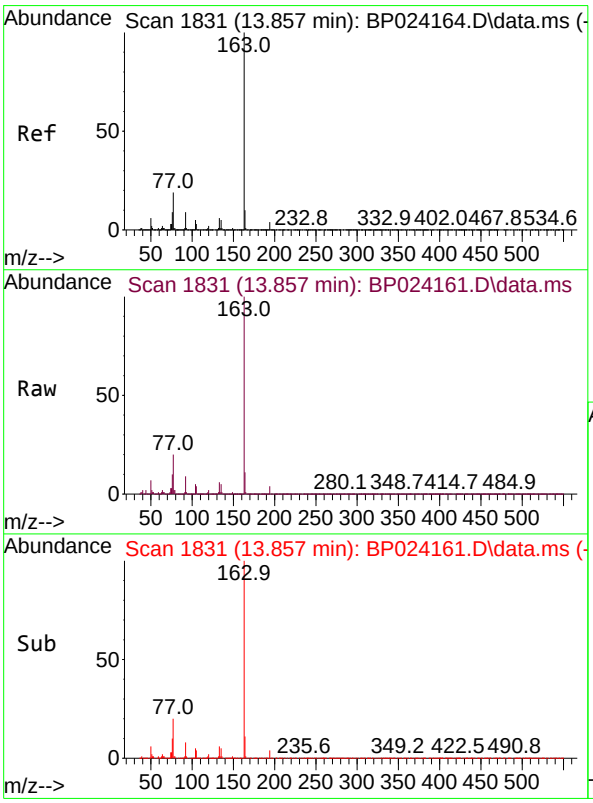

#49
Acenaphthylene
Concen: 4.580 ng
RT: 14.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:152 Resp: 316902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.6 | 16.0 | 24.0 |
| 153 | 13.0 | 10.6 | 15.8 |

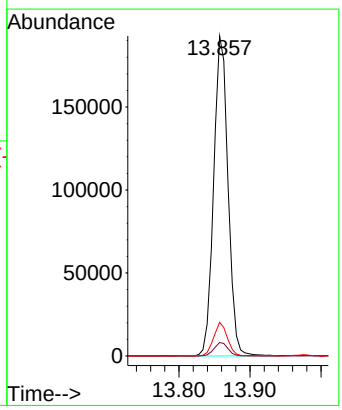


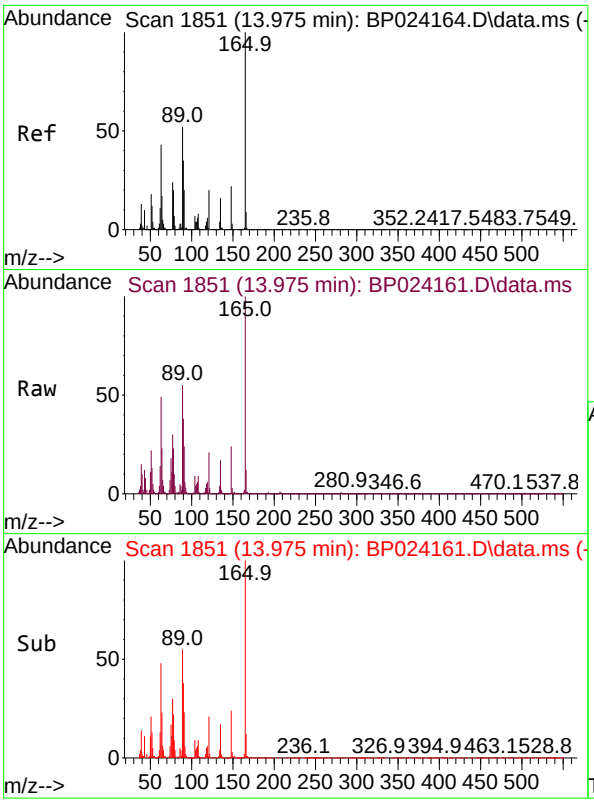




#50
Dimethylphthalate
Concen: 4.789 ng
RT: 13.857 min Scan# 1831
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:163 Resp: 270053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.4 | 5.0 |
| 164 | 10.5 | 8.2 | 12.4 |



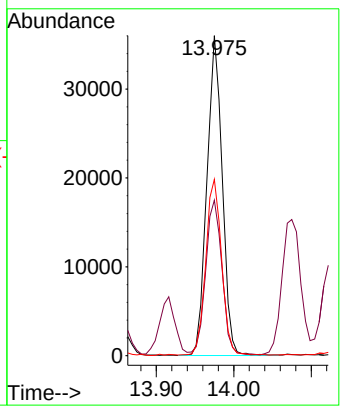


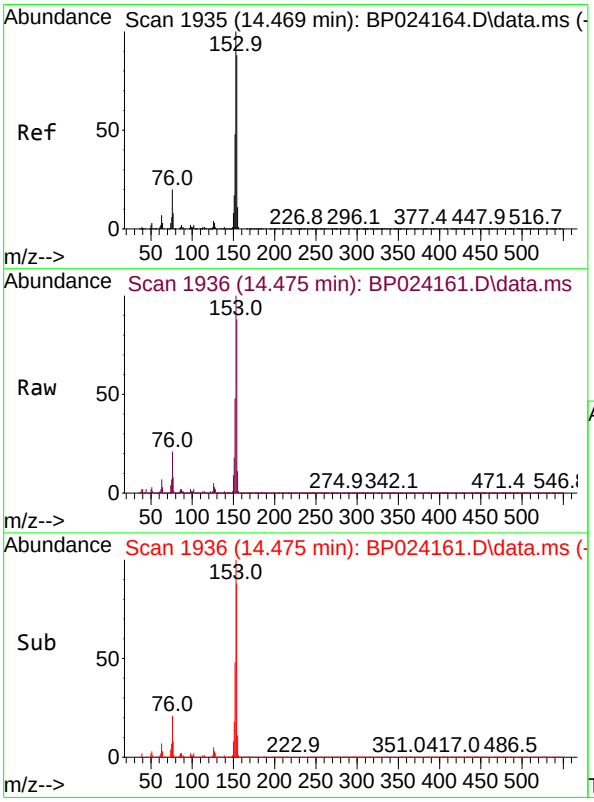

#51
2,6-Dinitrotoluene
Concen: 4.317 ng
RT: 13.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:165 Resp: 49593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 48.6 | 37.7 | 56.5 |
| 89 | 55.1 | 41.9 | 62.9 |

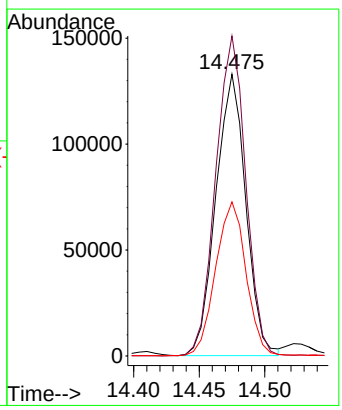


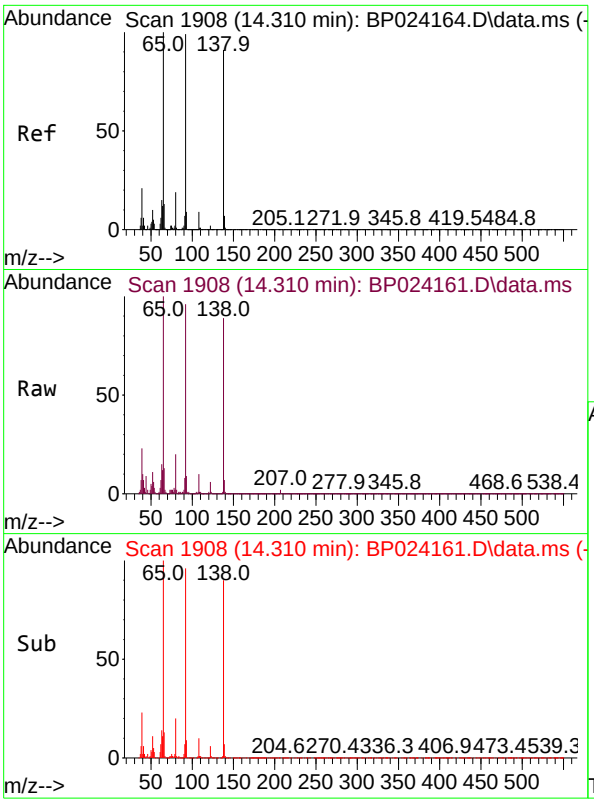




#52
Acenaphthene
Concen: 4.742 ng
RT: 14.475 min Scan# 1936
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:154 Resp: 211290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.6 | 90.5 | 135.7 |
| 152 | 54.7 | 43.1 | 64.7 |



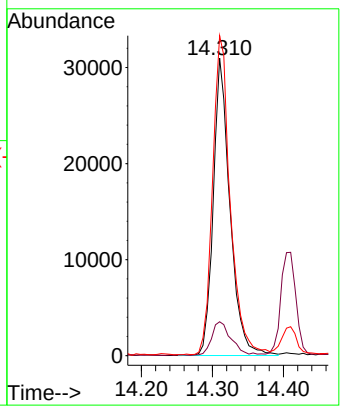


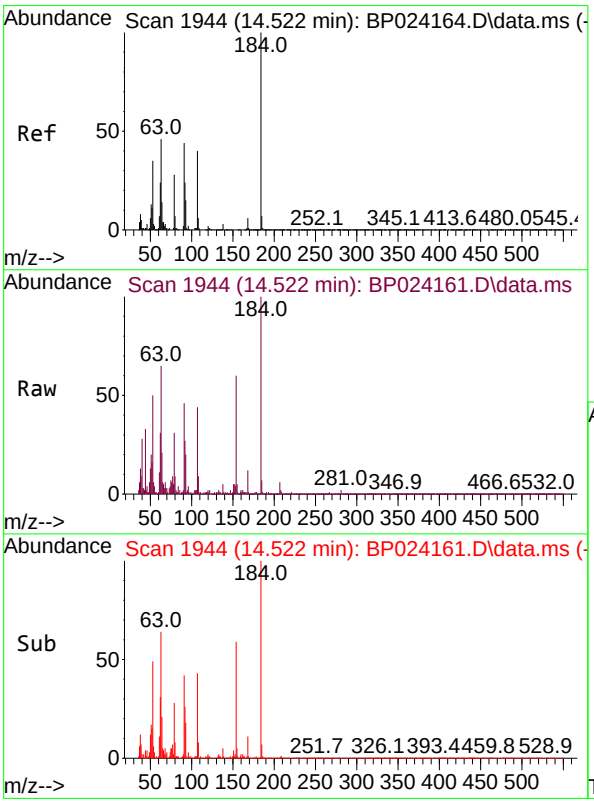

#53
3-Nitroaniline
Concen: 4.129 ng
RT: 14.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:138 Resp: 50611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.4 | 8.2 | 12.2 |
| 92 | 107.5 | 86.7 | 130.1 |

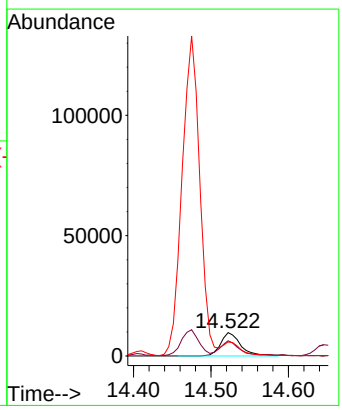


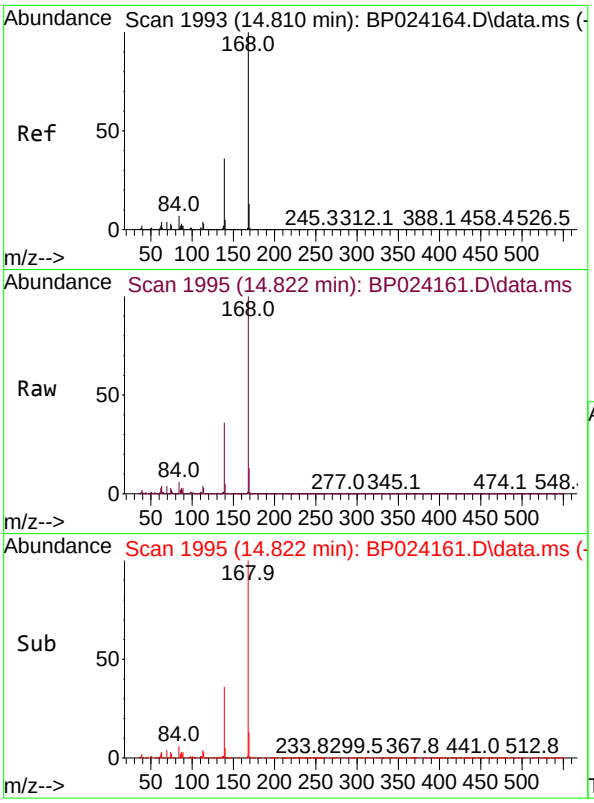




#54
2,4-Dinitrophenol
Concen: 2.867 ng
RT: 14.522 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:184 Resp: 17541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 64.8 | 42.1 | 63.1# |
| 154 | 59.9 | 44.6 | 67.0 |



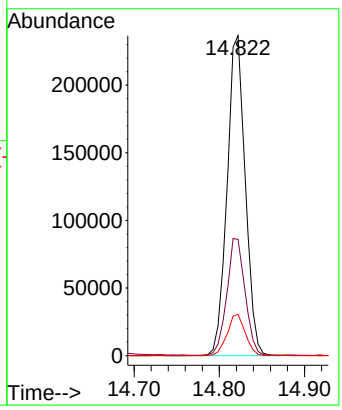


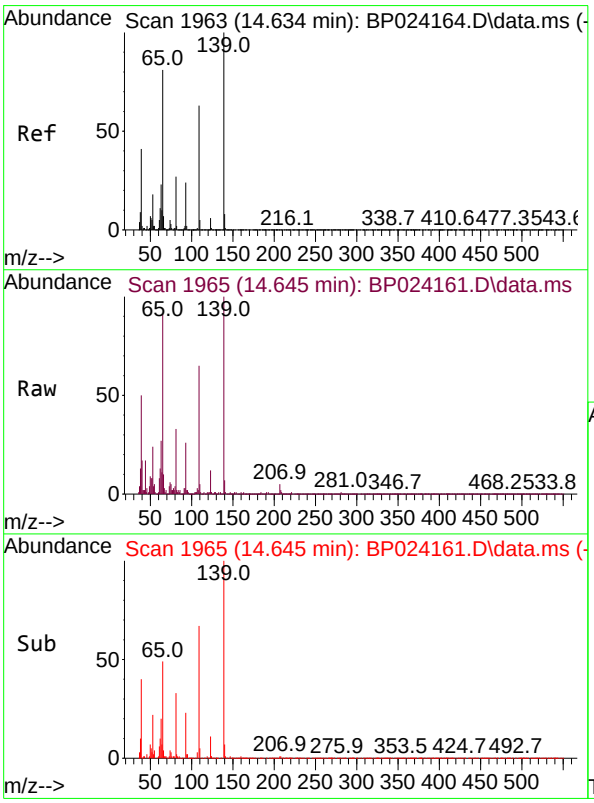

#55
Dibenzofuran
Concen: 4.858 ng
RT: 14.822 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:168 Resp: 351651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 36.4 | 29.1 | 43.7 |
| 169 | 13.0 | 10.8 | 16.2 |

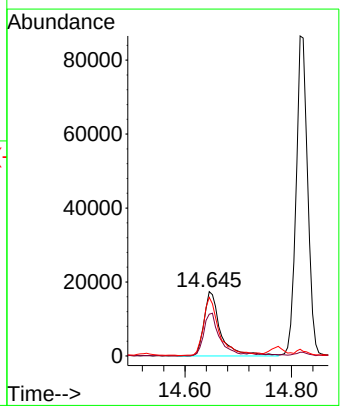


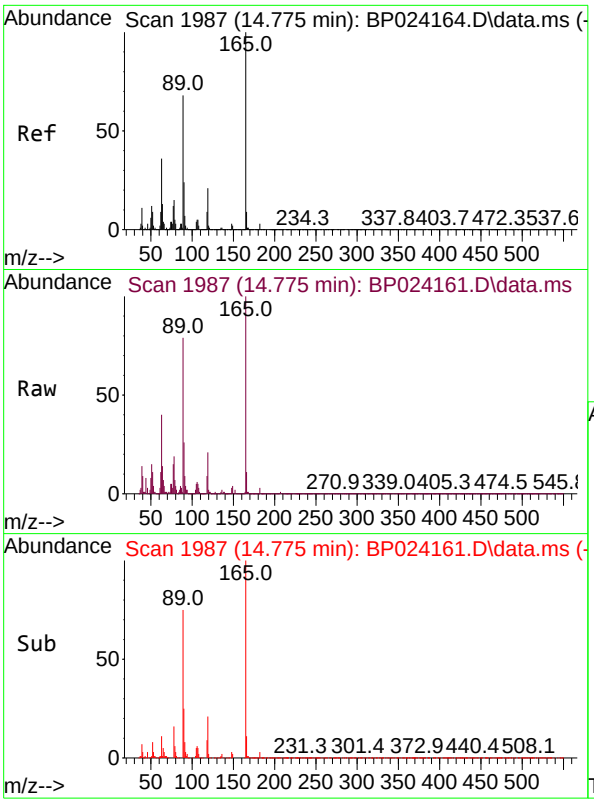




#56
4-Nitrophenol
Concen: 3.521 ng
RT: 14.645 min Scan# 1965
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:139 Resp: 37281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 65.1 | 43.3 | 83.3 |
| 65 | 91.1 | 61.2 | 101.2 |



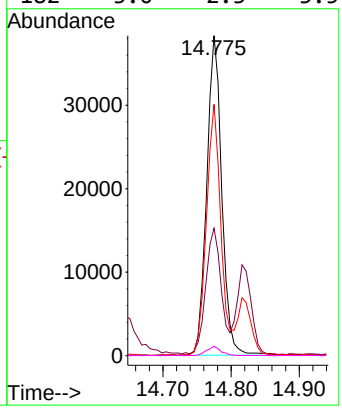


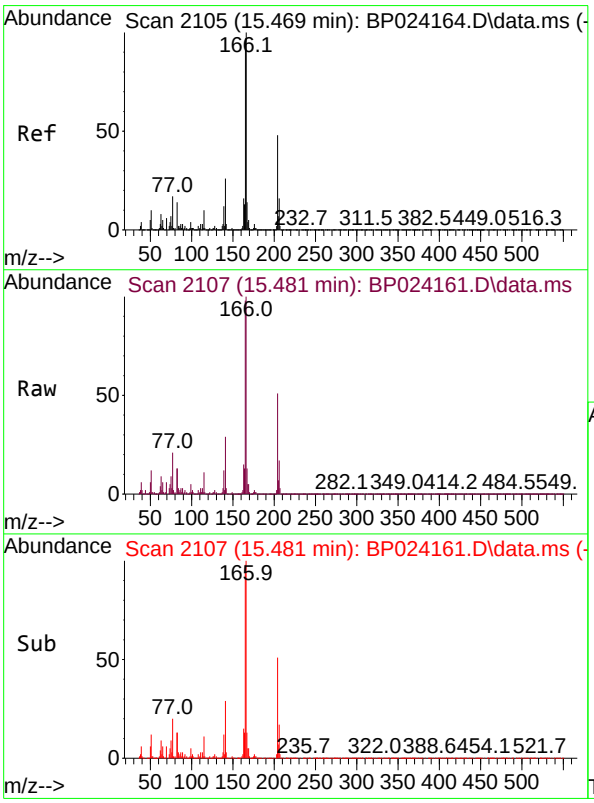

#57
2,4-Dinitrotoluene
Concen: 3.946 ng
RT: 14.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:165 Resp: 58882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 39.8 | 29.0 | 43.6 |
| 89 | 78.5 | 54.2 | 81.4 |
| 182 | 3.0 | 2.3 | 3.5 |

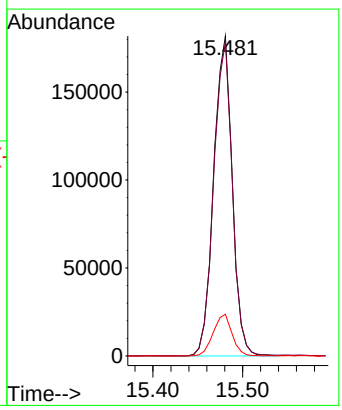


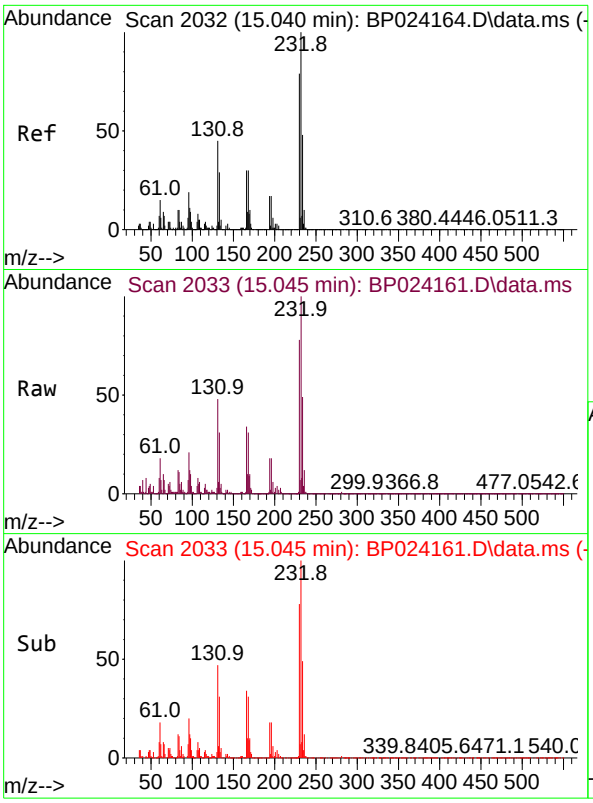




#58
Fluorene
Concen: 4.629 ng
RT: 15.481 min Scan# 2107
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:166 Resp: 261676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.2 | 77.6 | 116.4 |
| 167 | 13.1 | 10.8 | 16.2 |



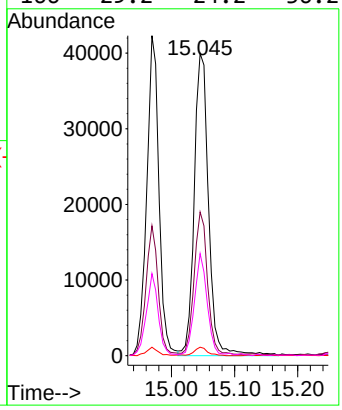


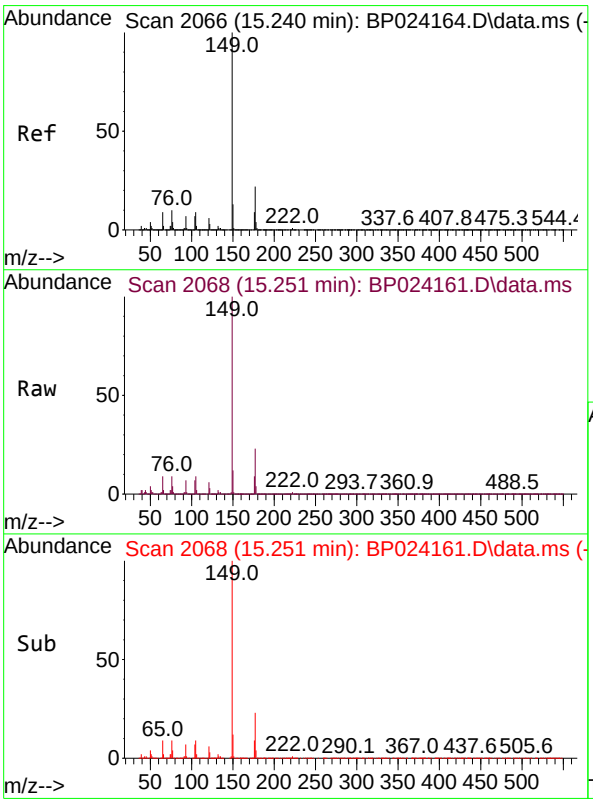

#59
2,3,4,6-Tetrachlorophenol
Concen: 4.441 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:232 Resp: 63120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 43.5 | 35.9 | 53.9 |
| 130 | 2.6 | 1.8 | 2.6 |
| 166 | 29.2 | 24.2 | 36.2 |

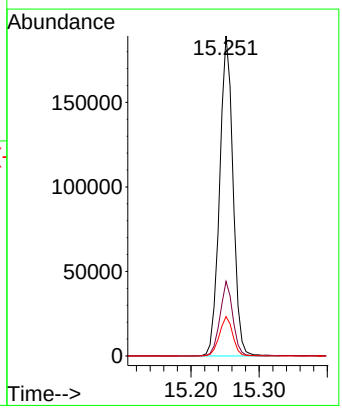


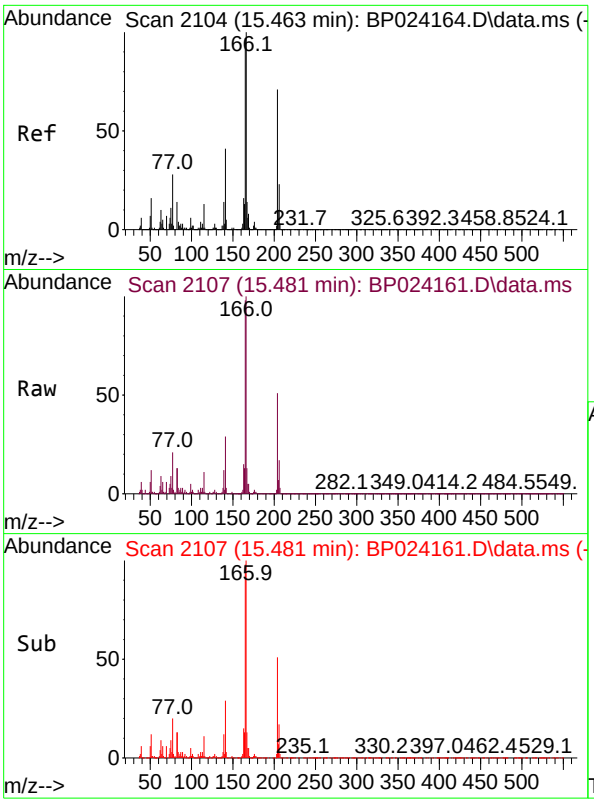




#60
Diethylphthalate
Concen: 4.631 ng
RT: 15.251 min Scan# 2068
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:149 Resp: 259242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 23.3 | 17.7 | 26.5 |
| 150 | 12.3 | 10.2 | 15.4 |



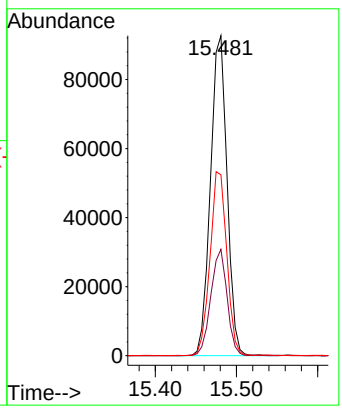


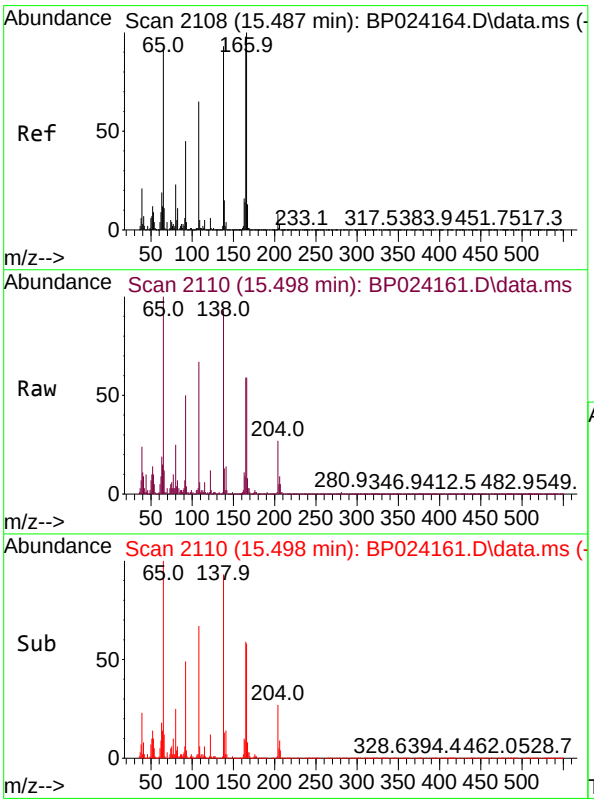

#61
4-Chlorophenyl-phenylether
Concen: 4.724 ng
RT: 15.481 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:204 Resp: 131441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.2 | 26.4 | 39.6 |
| 141 | 56.6 | 45.8 | 68.8 |

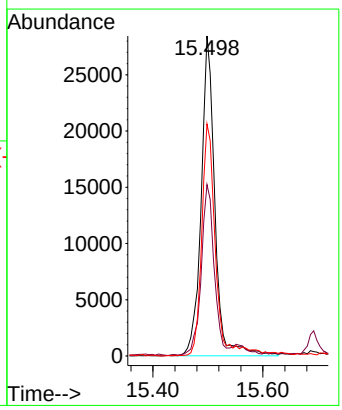


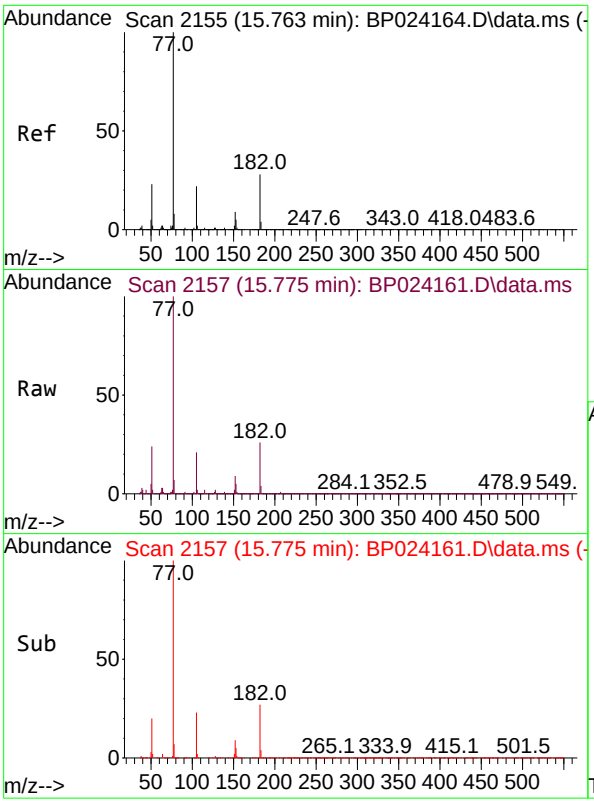




#62
4-Nitroaniline
Concen: 3.871 ng
RT: 15.498 min Scan# 2110
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:138 Resp: 49239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 53.6 | 28.7 | 68.7 |
| 108 | 72.5 | 49.5 | 89.5 |



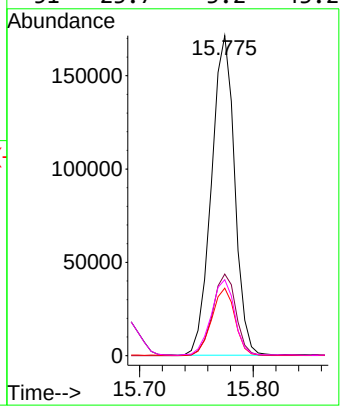


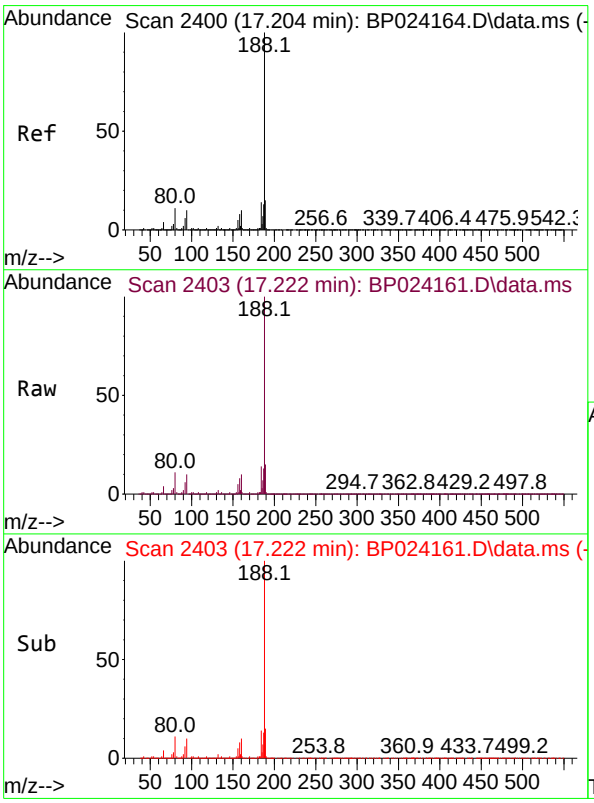

#63
Azobenzene
Concen: 4.628 ng
RT: 15.775 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion: 77 Resp: 242768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.5 | 7.7 | 47.7 |
| 105 | 21.1 | 2.3 | 42.3 |
| 51 | 23.7 | 3.2 | 43.2 |

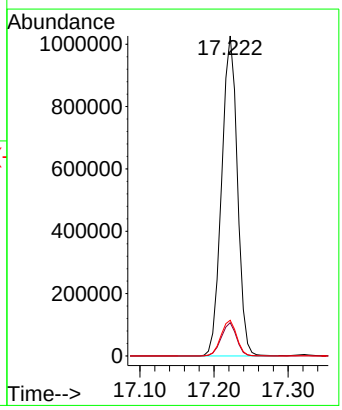


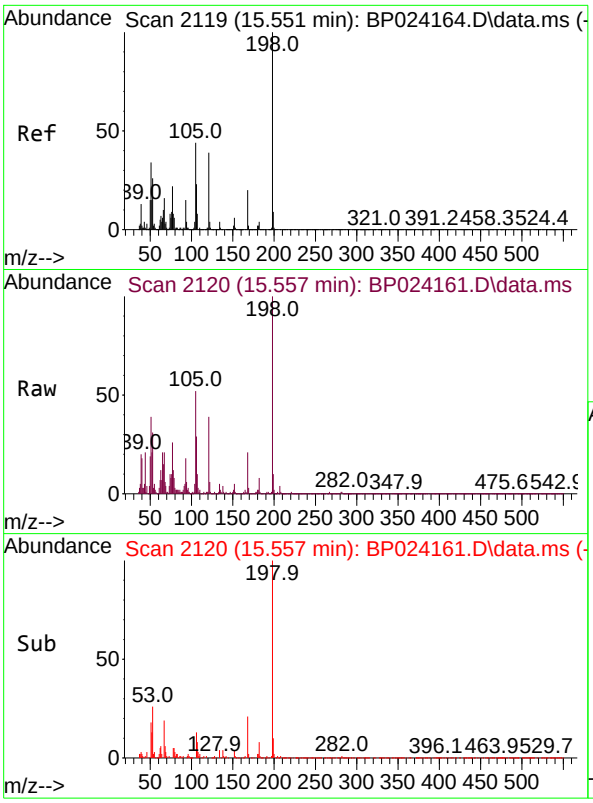




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.222 min Scan# 2403
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:188 Resp: 1516956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.4 | 8.1 | 12.1 |
| 80 | 11.2 | 8.9 | 13.3 |



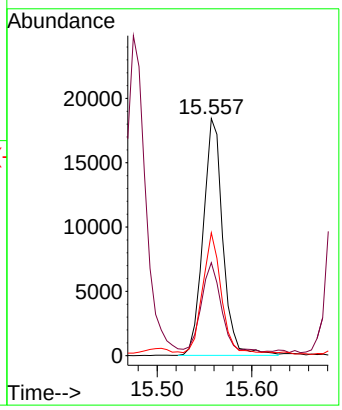


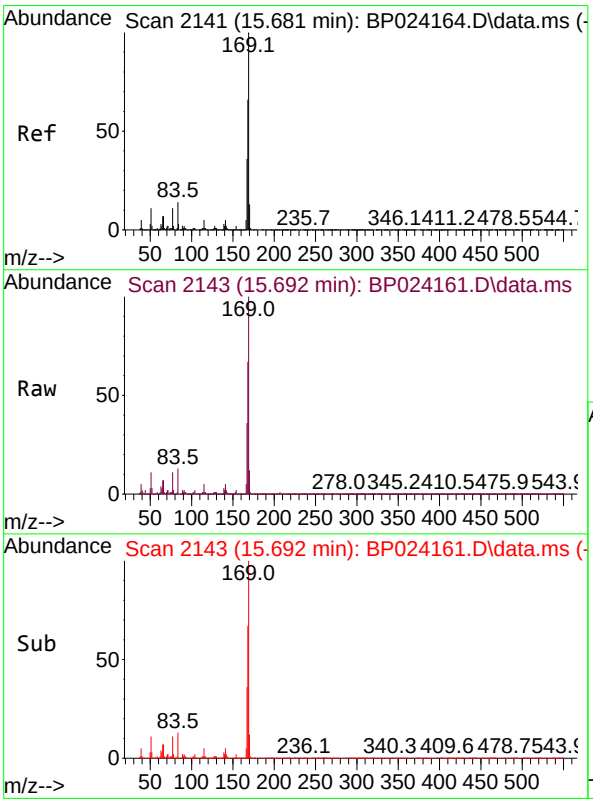

#65
4,6-Dinitro-2-methylphenol
Concen: 3.021 ng
RT: 15.557 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:198 Resp: 26524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 39.2 | 14.7 | 54.7 |
| 105 | 51.8 | 23.8 | 63.8 |

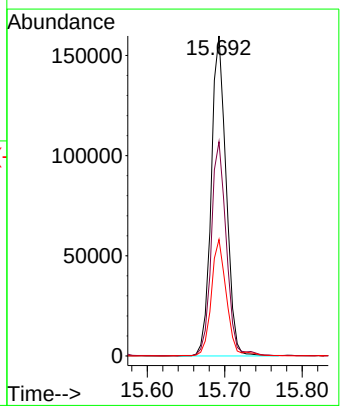


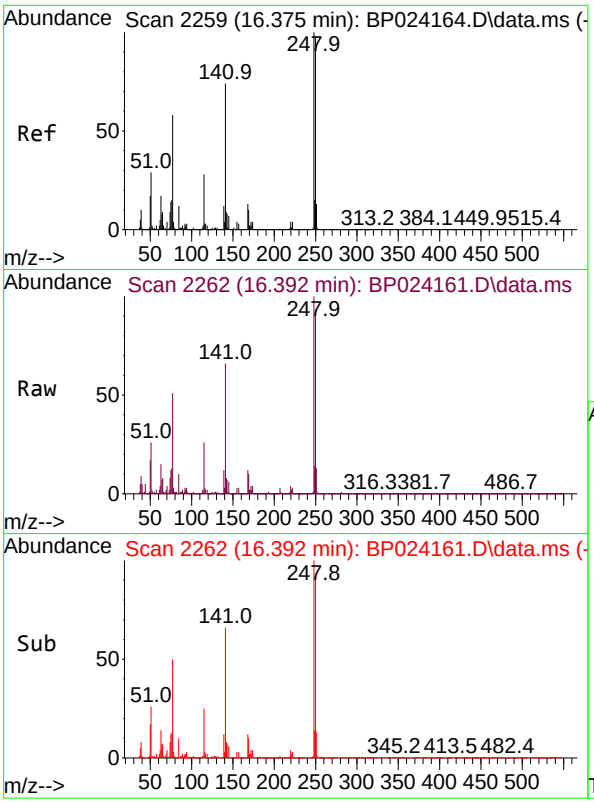




#66
n-Nitrosodiphenylamine
Concen: 4.522 ng
RT: 15.692 min Scan# 2143
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:169 Resp: 213927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.9 | 52.9 | 79.3 |
| 167 | 36.4 | 28.8 | 43.2 |



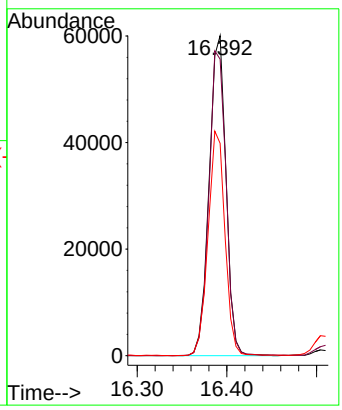


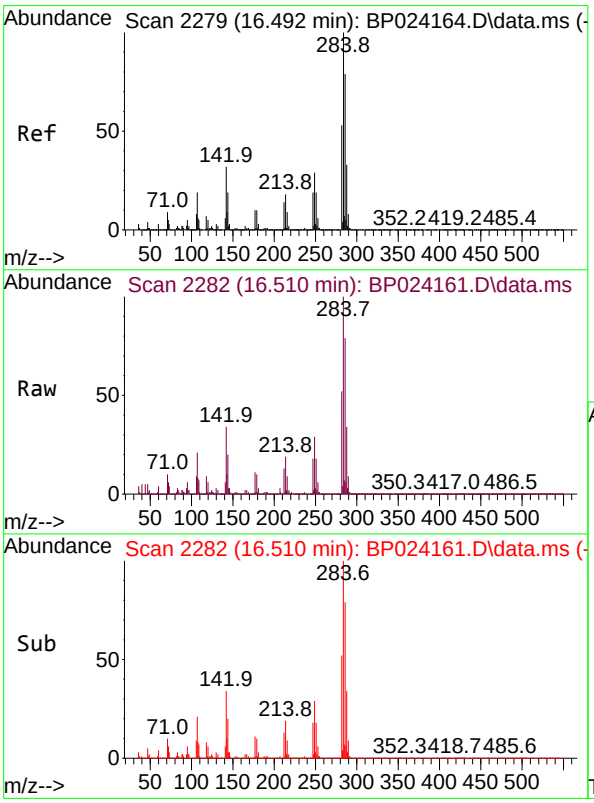

#67
4-Bromophenyl-phenylether
Concen: 4.597 ng
RT: 16.392 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:248 Resp: 78309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 92.7 | 78.4 | 117.6 |
| 141 | 66.4 | 59.4 | 89.0 |

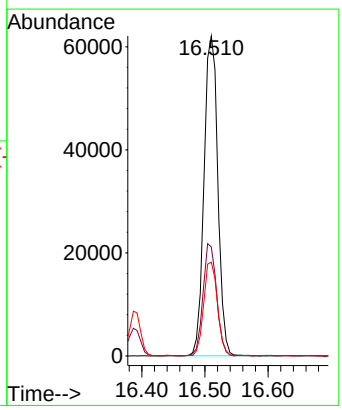


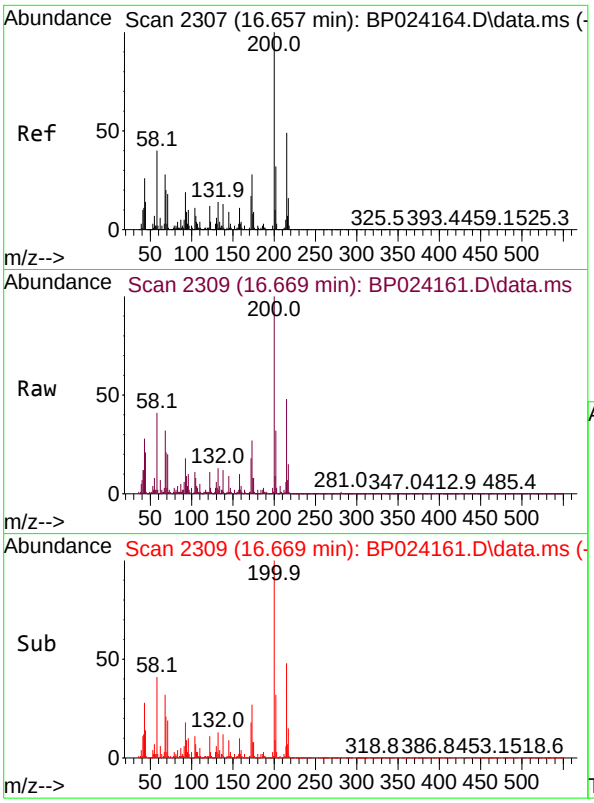




#68
Hexachlorobenzene
Concen: 4.696 ng
RT: 16.510 min Scan# 2282
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:284 Resp: 94130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.1 | 25.4 | 38.2 |
| 249 | 29.3 | 23.5 | 35.3 |



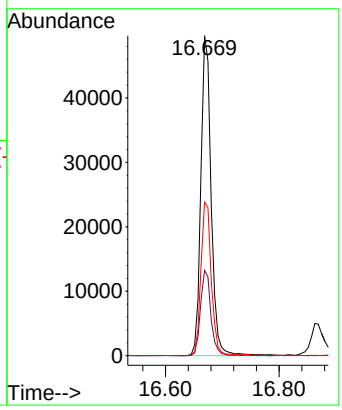


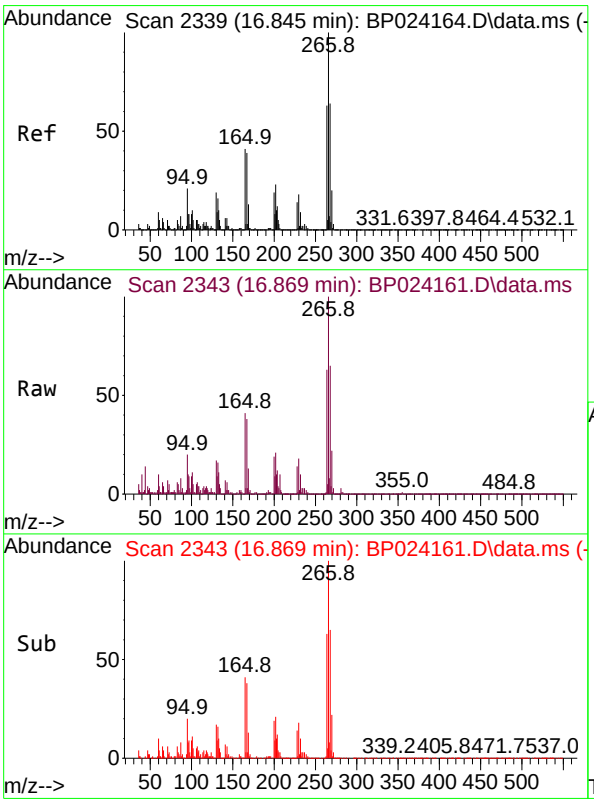

#69
Atrazine
Concen: 5.152 ng
RT: 16.669 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:200 Resp: 62551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.6 | 7.6 | 47.6 |
| 215 | 47.9 | 29.0 | 69.0 |

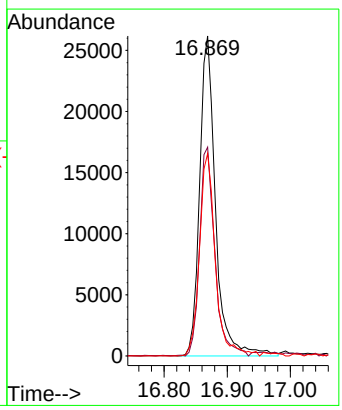


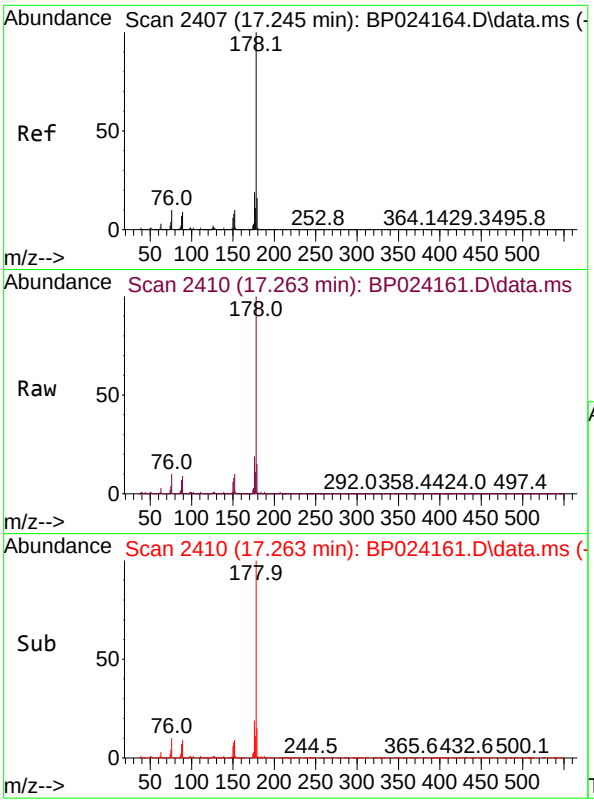




#70
Pentachlorophenol
Concen: 3.525 ng
RT: 16.869 min Scan# 2343
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:266 Resp: 45885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 65.2 | 51.3 | 76.9 |
| 264 | 63.3 | 50.6 | 76.0 |



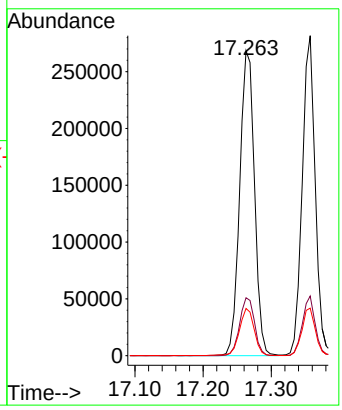


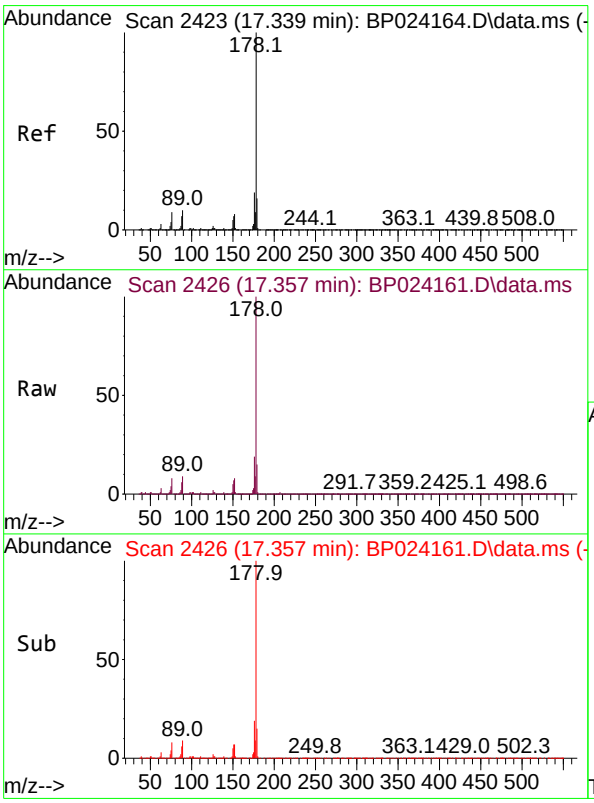

#71
Phenanthrene
Concen: 4.734 ng
RT: 17.263 min Scan# 24
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:178 Resp: 404881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.6 | 23.4 |
| 179 | 15.5 | 12.5 | 18.7 |

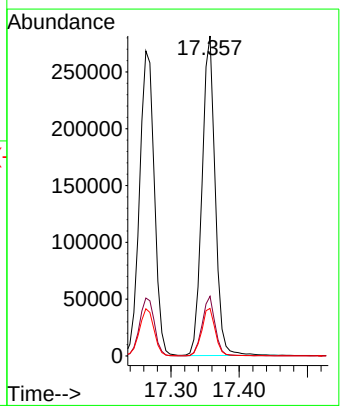


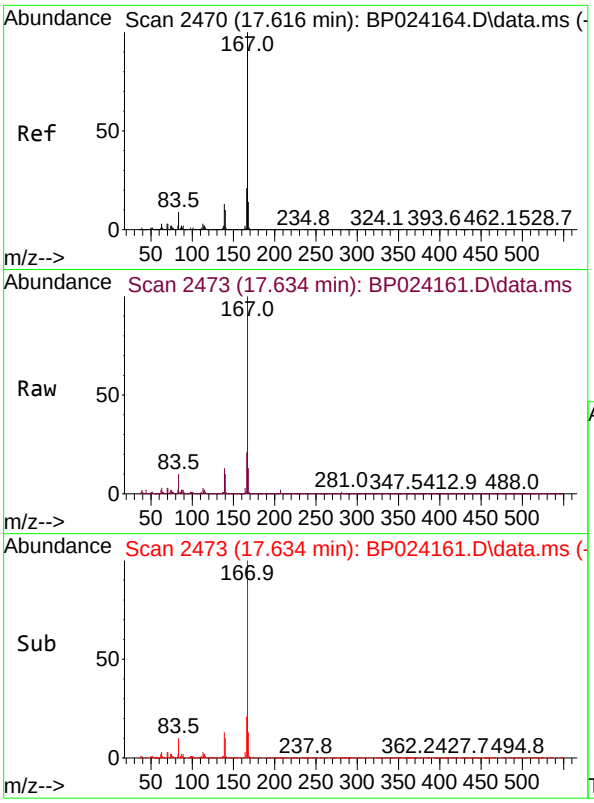




#72
Anthracene
Concen: 4.595 ng
RT: 17.357 min Scan# 2426
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:178 Resp: 376601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.2 | 22.8 |
| 179 | 14.8 | 12.6 | 18.8 |



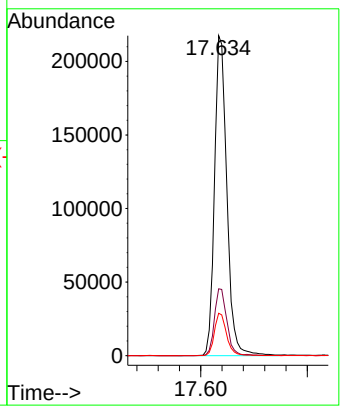


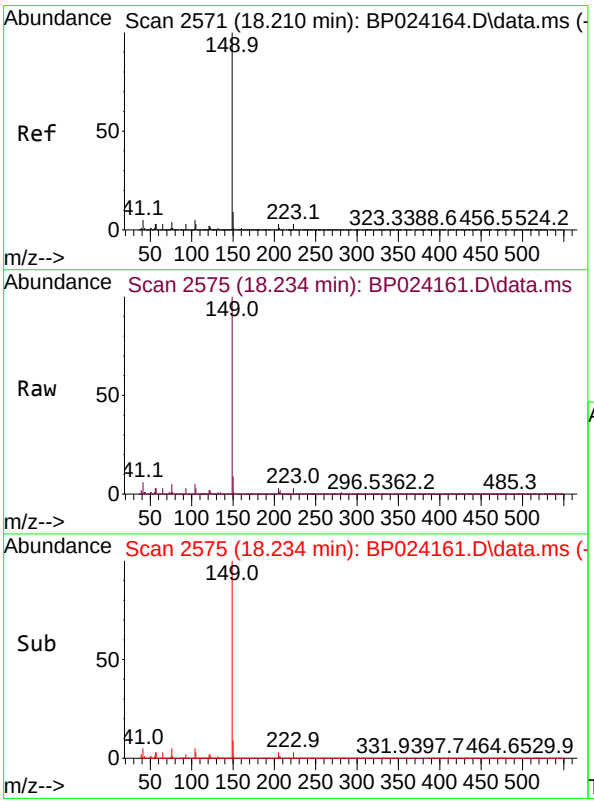

#73
Carbazole
Concen: 4.469 ng
RT: 17.634 min Scan# 24
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:167 Resp: 349000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 20.9 | 17.1 | 25.7 |
| 139 | 13.3 | 10.2 | 15.4 |

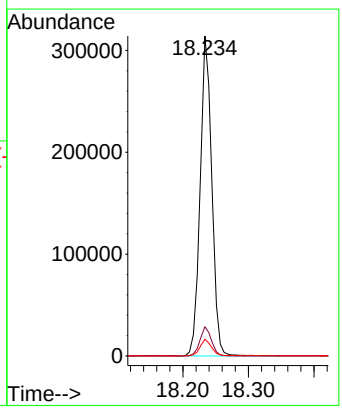


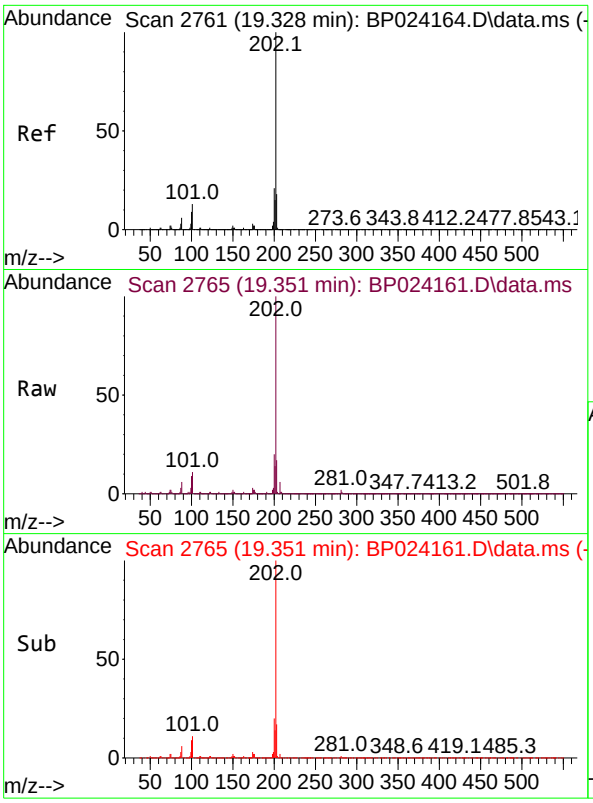




#74
Di-n-butylphthalate
Concen: 4.270 ng
RT: 18.234 min Scan# 2575
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:149 Resp: 389057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.6 | 11.4 |
| 104 | 5.2 | 3.9 | 5.9 |



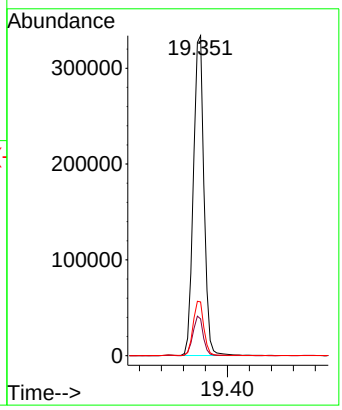


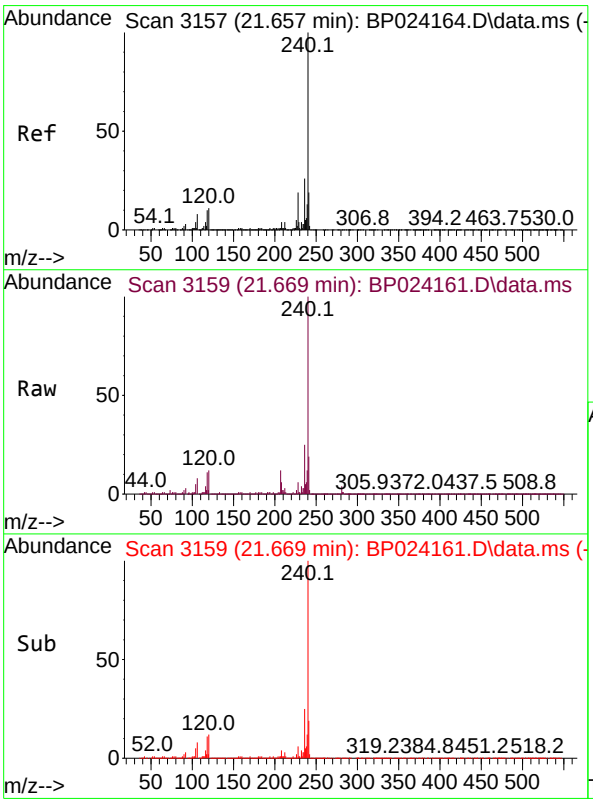

#75
Fluoranthene
Concen: 4.597 ng
RT: 19.351 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:202 Resp: 444670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.5 | 0.0 | 32.5 |
| 203 | 16.8 | 0.0 | 37.9 |

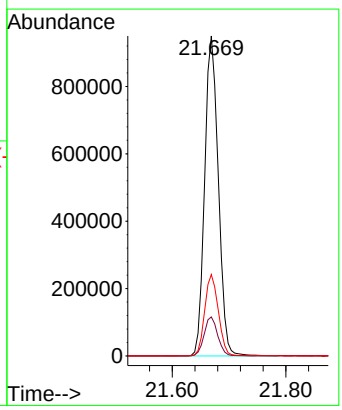


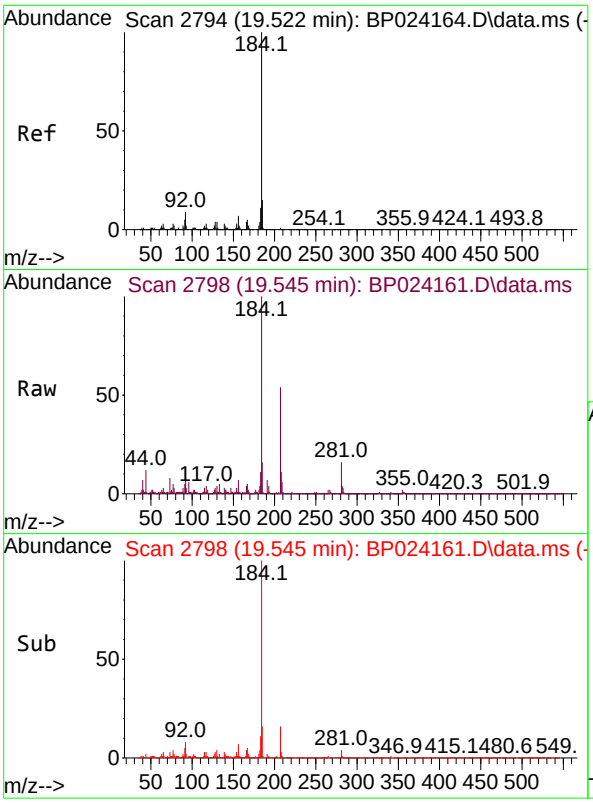




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.669 min Scan# 3159
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:240 Resp: 1578855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.2 | 9.2 | 13.8 |
| 236 | 25.5 | 20.4 | 30.6 |



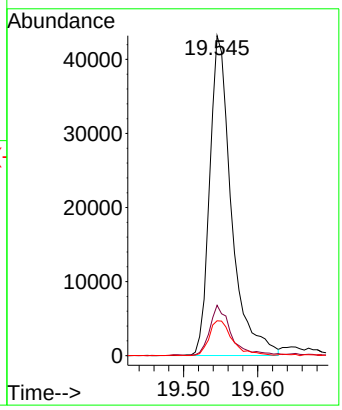


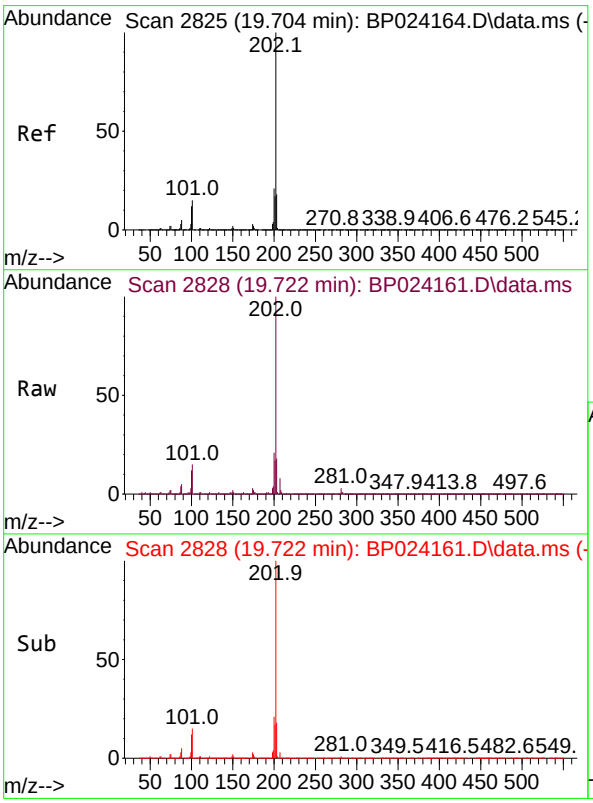

#77
Benzidine
Concen: 4.562 ng
RT: 19.545 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:184 Resp: 87777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.7 | 11.8 | 17.6 |
| 183 | 10.9 | 9.1 | 13.7 |

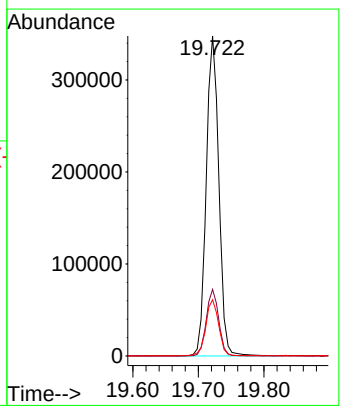


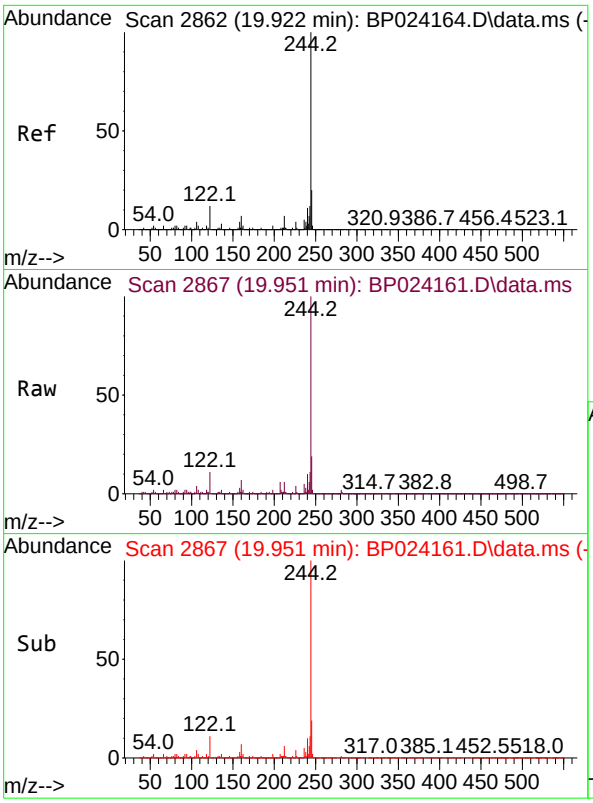




#78
Pyrene
Concen: 4.634 ng
RT: 19.722 min Scan# 2828
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:202 Resp: 464704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.8 | 17.1 | 25.7 |
| 203 | 17.6 | 14.2 | 21.4 |



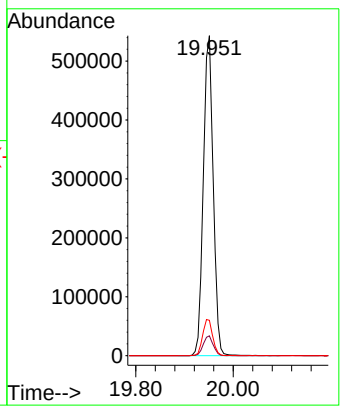


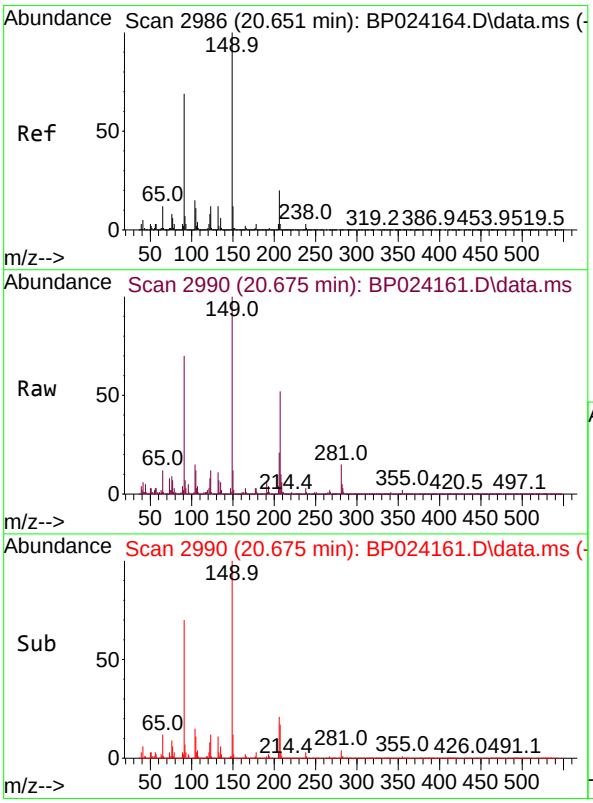

#79
Terphenyl-d14
Concen: 9.563 ng
RT: 19.951 min Scan# 2
Delta R.T. 0.029 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:244 Resp: 763023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.2 | 5.7 | 8.5 |
| 122 | 11.1 | 9.6 | 14.4 |

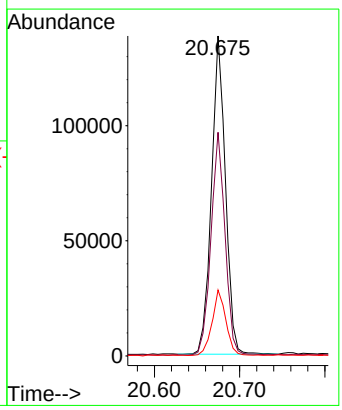


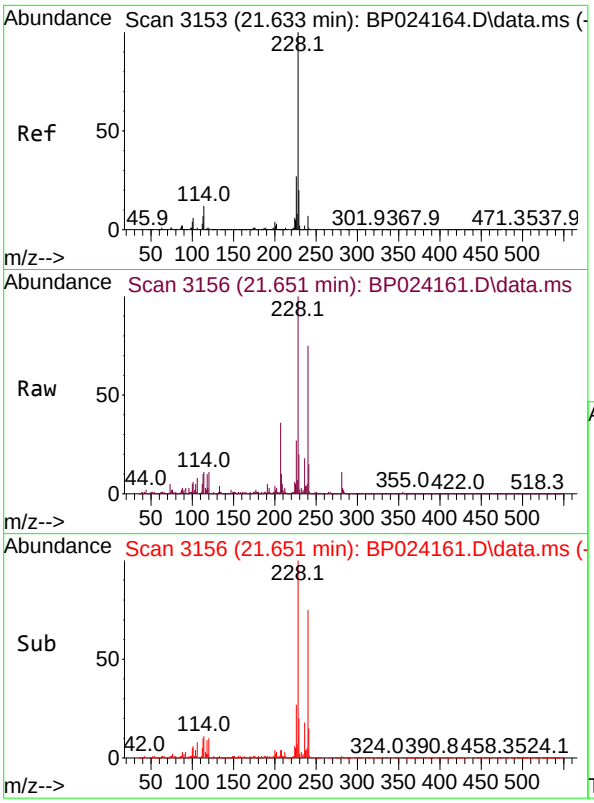




#80
Butylbenzylphthalate
Concen: 4.101 ng
RT: 20.675 min Scan# 2990
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:149 Resp: 157601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 69.9 | 55.3 | 82.9 |
| 206 | 20.6 | 16.1 | 24.1 |



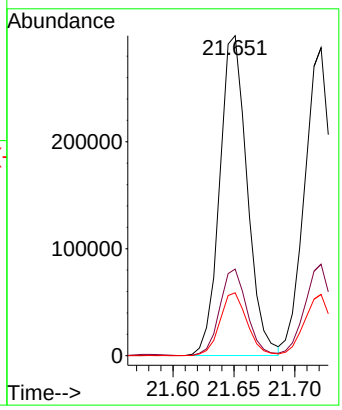


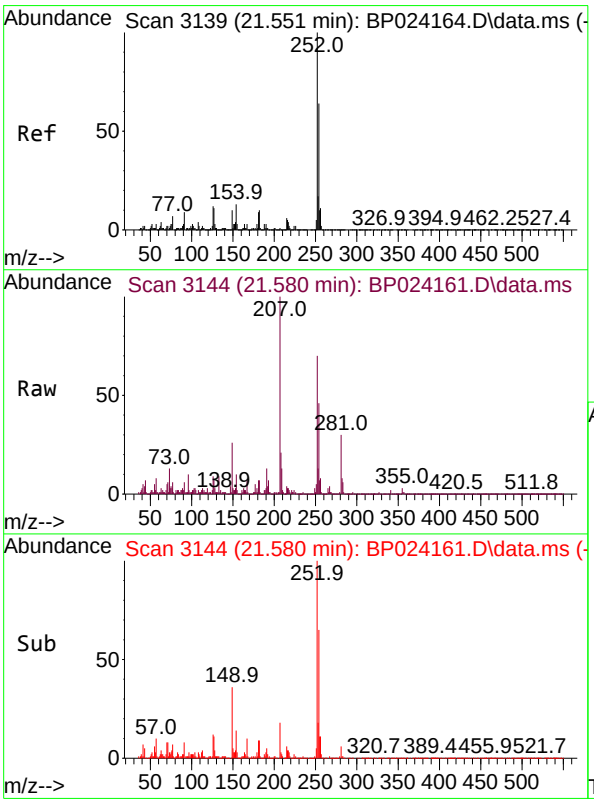

#81
Benzo(a)anthracene
Concen: 4.761 ng
RT: 21.651 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:228 Resp: 471347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.1 | 21.8 | 32.8 |
| 229 | 19.6 | 16.0 | 24.0 |

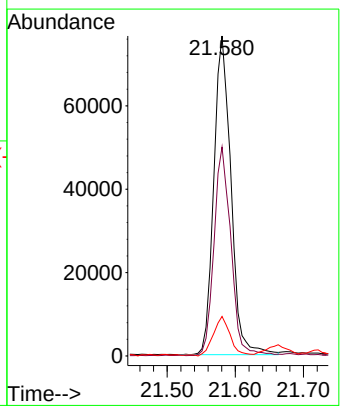


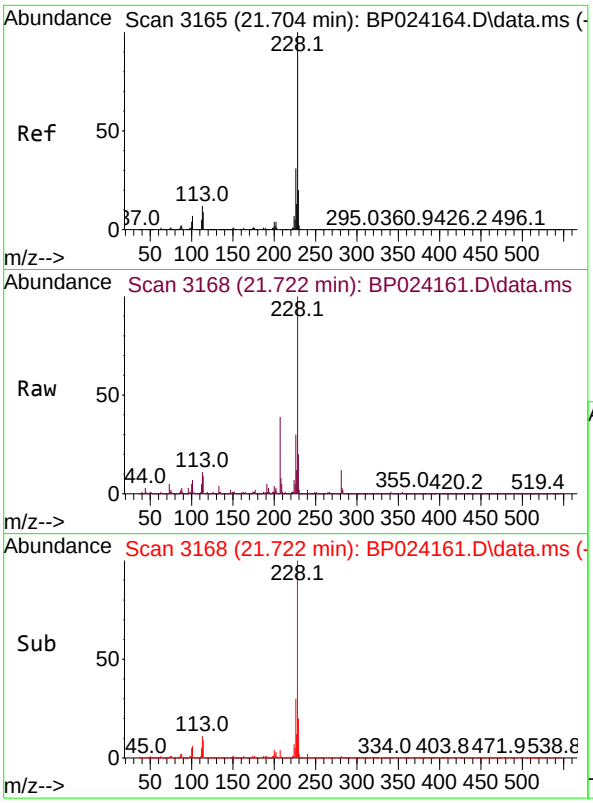




#82
3,3'-Dichlorobenzidine
Concen: 4.336 ng
RT: 21.580 min Scan# 3144
Delta R.T. 0.029 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:252 Resp: 134146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.3 | 51.4 | 77.2 |
| 126 | 12.4 | 9.3 | 13.9 |



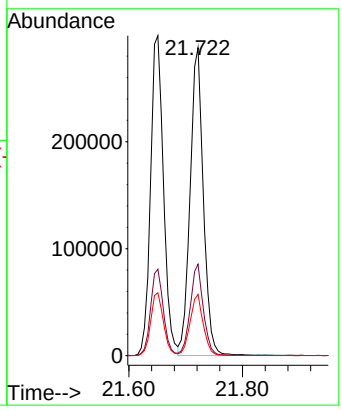


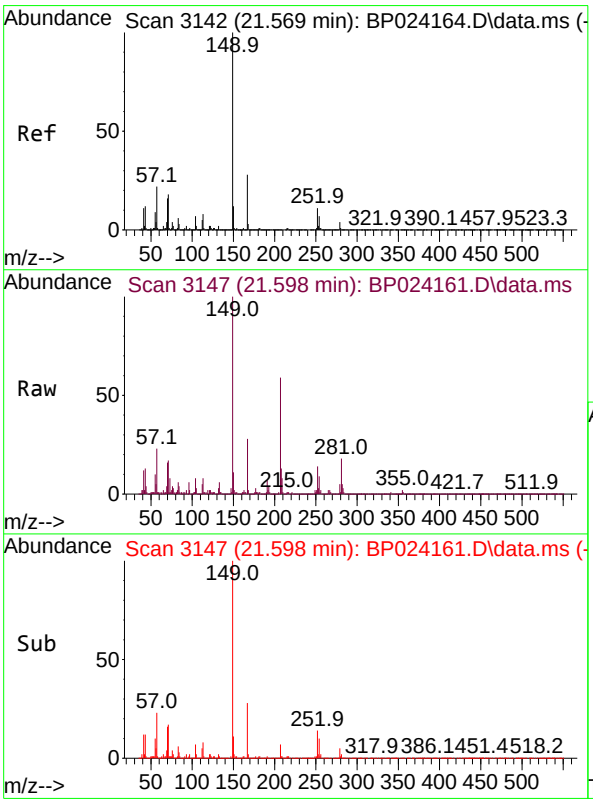

#83
Chrysene
Concen: 4.898 ng
RT: 21.722 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:228 Resp: 467600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.7 | 24.5 | 36.7 |
| 229 | 19.9 | 16.2 | 24.2 |

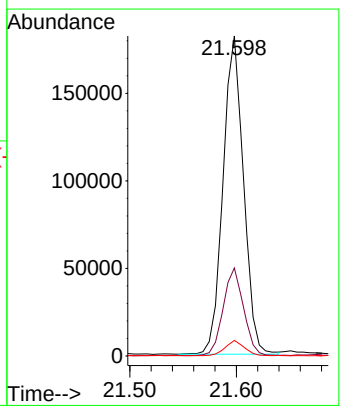


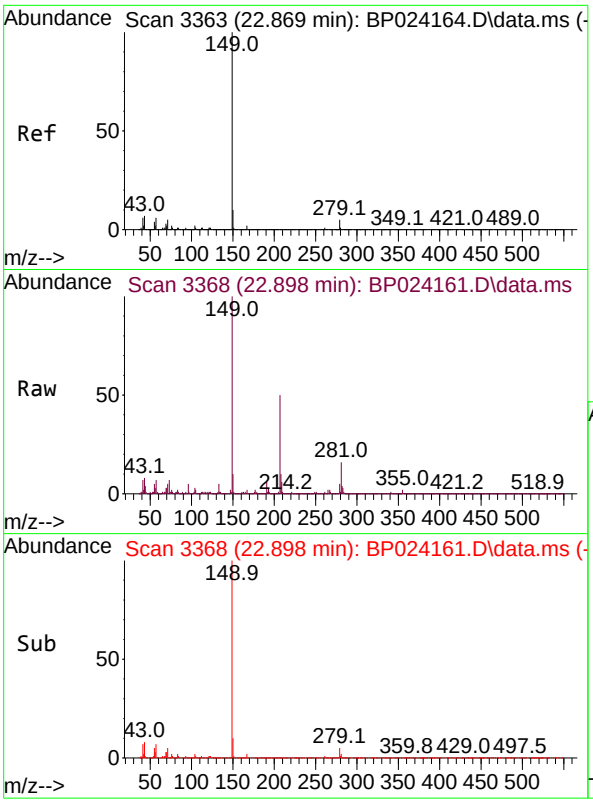




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.153 ng
RT: 21.598 min Scan# 3147
Delta R.T. 0.029 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:149 Resp: 242048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.5 | 22.5 | 33.7 |
| 279 | 4.8 | 3.6 | 5.4 |



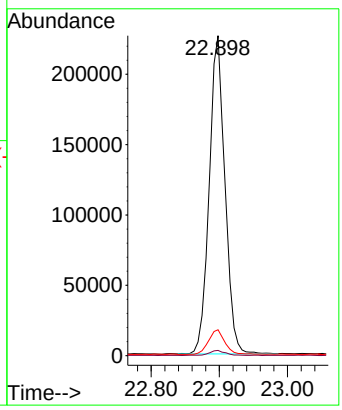


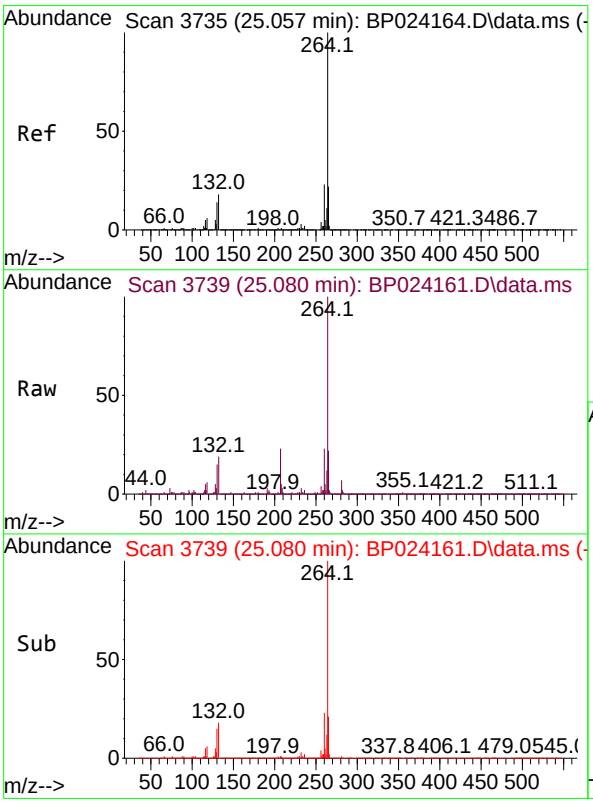

#85
Di-n-octyl phthalate
Concen: 3.905 ng
RT: 22.898 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:149 Resp: 363786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 8.2 | 5.8 | 8.8 |

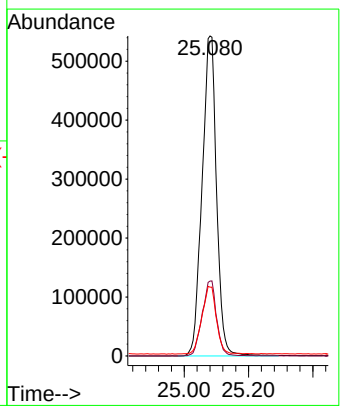


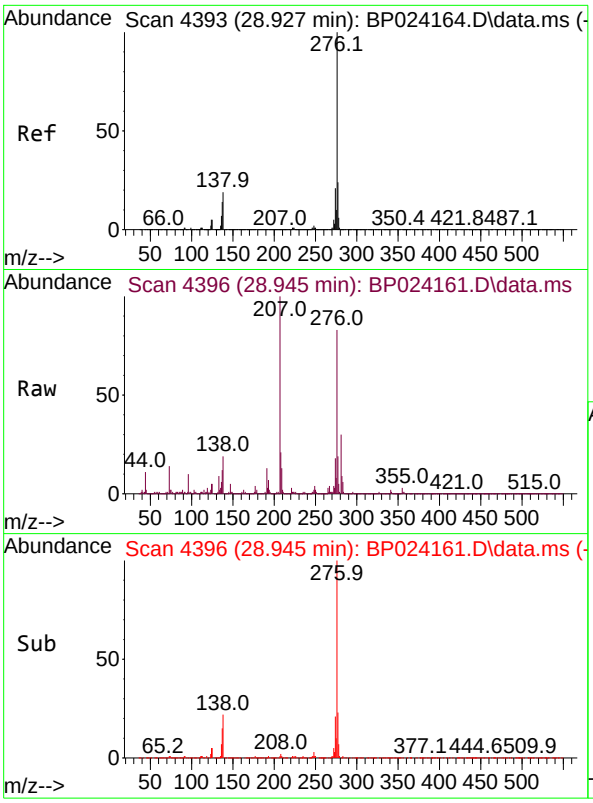




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.080 min Scan# 3739
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:264 Resp: 1694453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 18.5 | 27.7 |
| 265 | 21.5 | 17.7 | 26.5 |



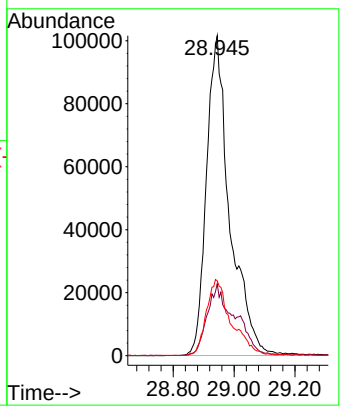


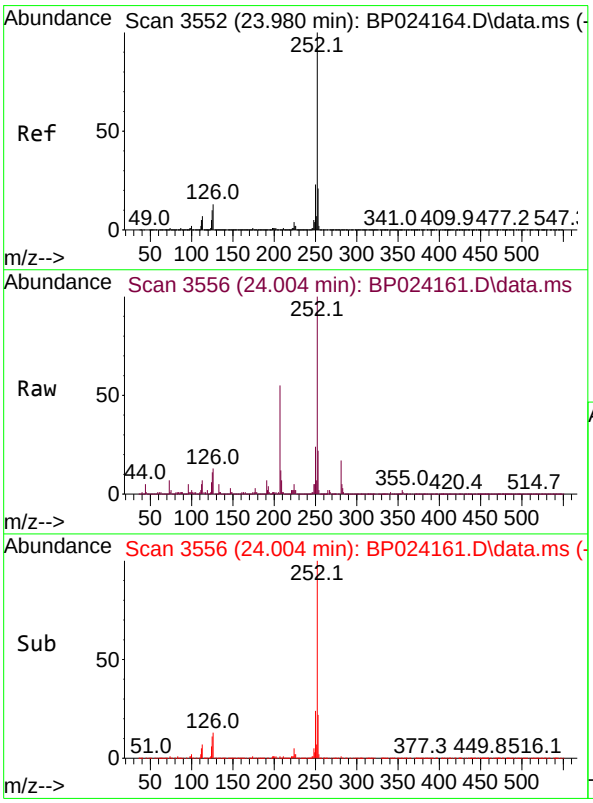

#87
Indeno(1,2,3-cd)pyrene
Concen: 4.476 ng
RT: 28.945 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:276 Resp: 539523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.0 | 13.7 | 20.5 |
| 277 | 25.2 | 20.2 | 30.2 |

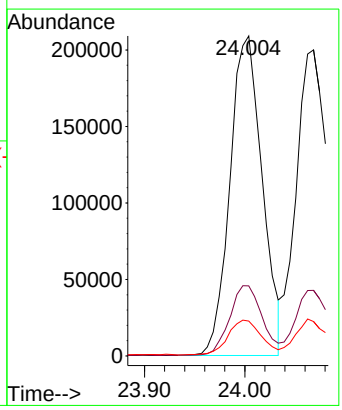


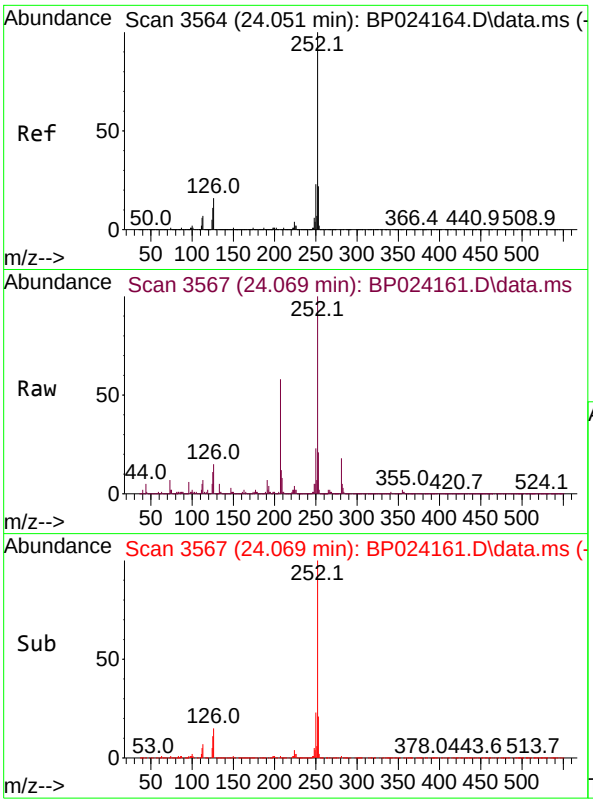




#88
Benzo(b)fluoranthene
Concen: 4.344 ng
RT: 24.004 min Scan# 3556
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:252 Resp: 467406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.2 | 25.8 |
| 125 | 10.9 | 8.2 | 12.4 |



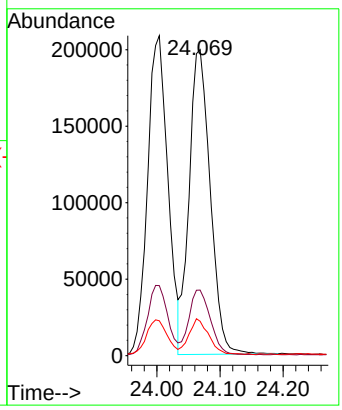


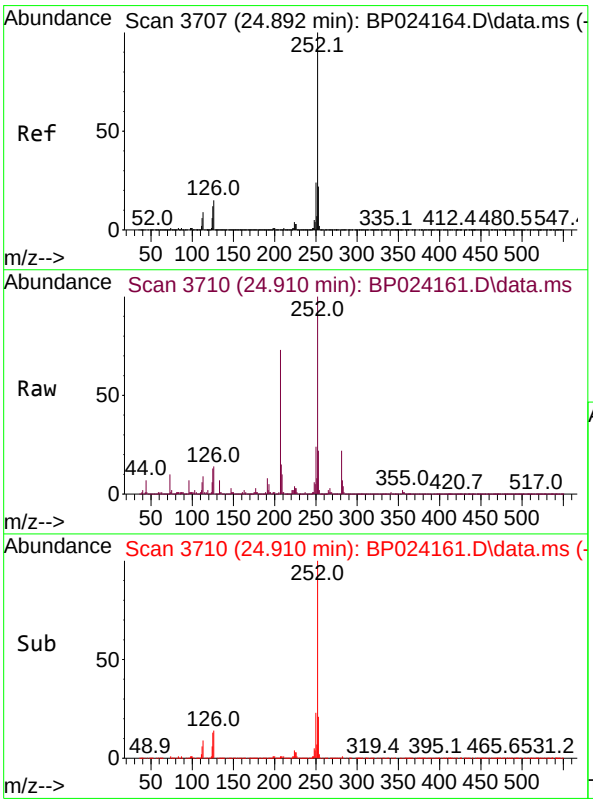

#89
Benzo(k)fluoranthene
Concen: 4.417 ng
RT: 24.069 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:252 Resp: 462653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.4 | 17.7 | 26.5 |
| 125 | 11.3 | 9.1 | 13.7 |

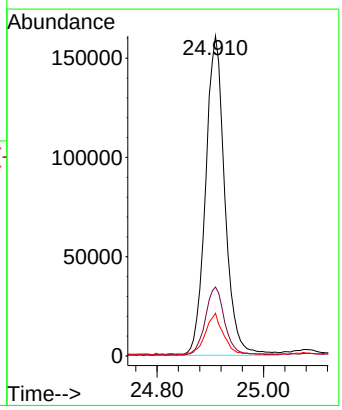


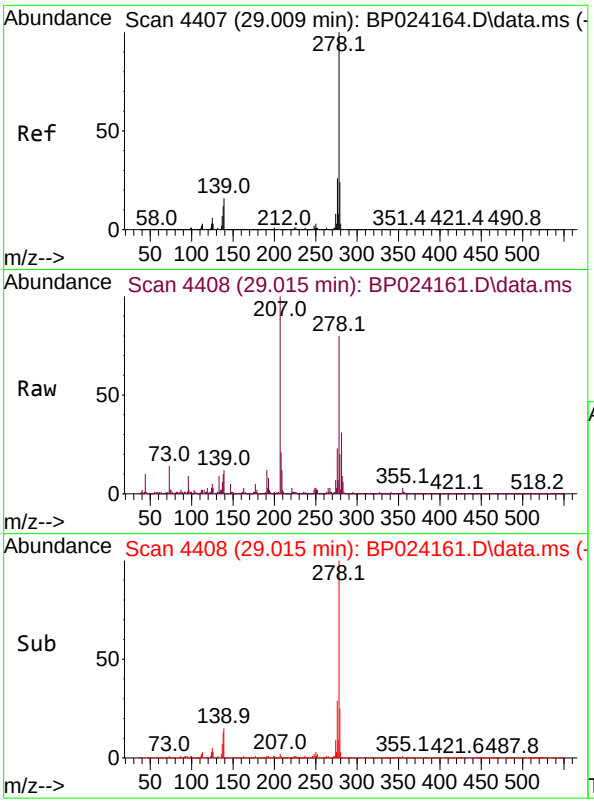




#90
Benzo(a)pyrene
Concen: 4.421 ng
RT: 24.910 min Scan# 3710
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:252 Resp: 403692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.4 | 26.0 |
| 125 | 13.4 | 9.6 | 14.4 |



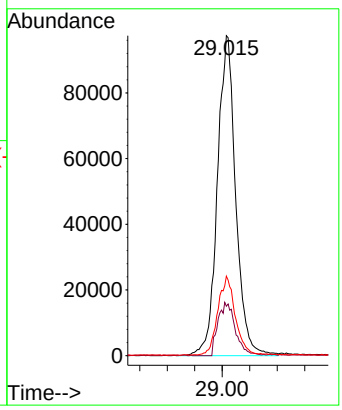


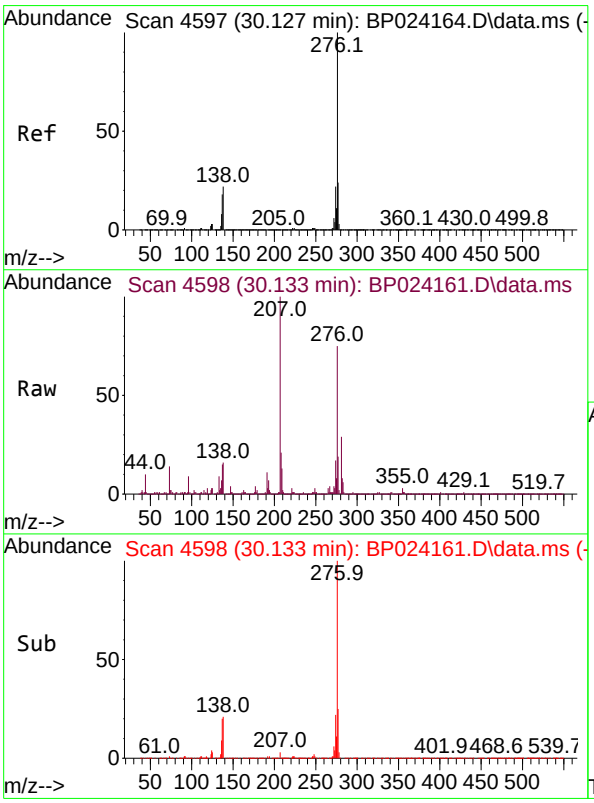

#91
Dibenzo(a,h)anthracene
Concen: 4.444 ng
RT: 29.015 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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

Tgt Ion:278 Resp: 450461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.4 | 13.0 | 19.4 |
| 279 | 24.8 | 18.8 | 28.2 |

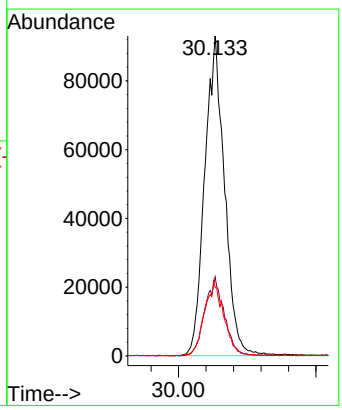



#92
Benzo(g,h,i)perylene
Concen: 4.518 ng
RT: 30.133 min Scan# 4598
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:276 Resp: 464721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.7 | 19.2 | 28.8 |
| 138 | 21.4 | 17.4 | 26.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024165.D
Acq On : 12 Mar 2025 19:41
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Quant Time: Mar 13 04:09:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.775 | 152 | 362382 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.551 | 136 | 1504882 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.410 | 164 | 918204 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.216 | 188 | 1730200 | 20.000 | ng | | 0.01 |
| 76) Chrysene-d12 | 21.674 | 240 | 1856010 | 20.000 | ng | | 0.02 |
| 86) Perylene-d12 | 25.086 | 264 | 2039908 | 20.000 | ng | | 0.03 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.381 | 112 | 2339783 | 100.747 | ng | | 0.00 |
| 7) Phenol-d6 | 6.952 | 99 | 3169724 | 106.191 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.928 | 82 | 2723412 | 100.962 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.928 | 330 | 1240173 | 110.267 | ng | | 0.01 |
| 45) 2-Fluorobiphenyl | 13.022 | 172 | 6129086 | 93.318 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.945 | 244 | 8967575 | 95.606 | ng | | 0.02 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.316 | 88 | 449736 | 49.365 | ng | | 100 |
| 3) Pyridine | 3.716 | 79 | 1060495 | 44.773 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.622 | 42 | 417922 | 49.741 | ng | | 99 |
| 6) Aniline | 7.110 | 93 | 1402509 | 51.307 | ng | | 100 |
| 8) 2-Chlorophenol | 7.346 | 128 | 1260095 | 51.262 | ng | | 98 |
| 9) Benzaldehyde | 6.922 | 77 | 680024 | 49.899 | ng | | 99 |
| 10) Phenol | 6.981 | 94 | 1580281 | 52.648 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.199 | 93 | 1214752 | 51.383 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.663 | 146 | 1338137 | 49.552 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.810 | 146 | 1352373 | 49.520 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 8.122 | 146 | 1299613 | 49.586 | ng | | 99 |
| 15) Benzyl Alcohol | 8.010 | 79 | 1016261 | 55.621 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.299 | 45 | 1236313 | 53.871 | ng | | 99 |
| 17) 2-Methylphenol | 8.216 | 107 | 1010720 | 55.257 | ng | | 100 |
| 18) Hexachloroethane | 8.846 | 117 | 482437 | 49.052 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.575 | 70 | 929876 | 57.939 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.540 | 107 | 1401754 | 56.333 | ng | | 99 |
| 22) Acetophenone | 8.587 | 105 | 1912289 | 49.450 | ng | # | 99 |
| 24) Nitrobenzene | 8.969 | 77 | 1335288 | 50.299 | ng | | 99 |
| 25) Isophorone | 9.487 | 82 | 2389410 | 54.168 | ng | | 100 |
| 26) 2-Nitrophenol | 9.669 | 139 | 686089 | 56.096 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.734 | 122 | 840657 | 52.362 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 9.963 | 93 | 1612977 | 50.476 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.210 | 162 | 1152247 | 52.591 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.416 | 180 | 1212617 | 48.306 | ng | | 99 |
| 31) Naphthalene | 10.604 | 128 | 4020722 | 49.689 | ng | | 100 |
| 32) Benzoic acid | 9.893 | 122 | 900054 | 61.152 | ng | | 99 |
| 33) 4-Chloroaniline | 10.710 | 127 | 1481634 | 51.976 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.893 | 225 | 703606 | 48.392 | ng | | 99 |
| 35) Caprolactam | 11.510 | 113 | 402356 | 60.646 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 11.845 | 107 | 1251209 | 55.551 | ng | | 100 |
| 37) 2-Methylnaphthalene | 12.216 | 142 | 2749915 | 51.131 | ng | | 100 |
| 38) 1-Methylnaphthalene | 12.434 | 142 | 2647375 | 50.600 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.587 | 216 | 1331287 | 47.188 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.569 | 237 | 503901 | 47.999 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.828 | 196 | 896606 | 52.112 | ng | | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024165.D
Acq On : 12 Mar 2025 19:41
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Quant Time: Mar 13 04:09:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.904 | 196 | 969372 | 51.517 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.234 | 154 | 3427883 | 48.043 | ng | 100 |
| 47) 2-Chloronaphthalene | 13.275 | 162 | 2559098 | 47.446 | ng | 99 |
| 48) 2-Nitroaniline | 13.475 | 65 | 714343 | 56.066 | ng | 97 |
| 49) Acenaphthylene | 14.128 | 152 | 4015684 | 50.533 | ng | 100 |
| 50) Dimethylphthalate | 13.869 | 163 | 3252950 | 50.224 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.981 | 165 | 715171 | 54.206 | ng | 99 |
| 52) Acenaphthene | 14.481 | 154 | 2516832 | 49.182 | ng | 99 |
| 53) 3-Nitroaniline | 14.310 | 138 | 790217 | 56.128 | ng | 98 |
| 54) 2,4-Dinitrophenol | 14.528 | 184 | 410616 | 58.439 | ng | 99 |
| 55) Dibenzofuran | 14.816 | 168 | 4058172 | 48.816 | ng | 99 |
| 56) 4-Nitrophenol | 14.639 | 139 | 685687 | 56.382 | ng | 98 |
| 57) 2,4-Dinitrotoluene | 14.781 | 165 | 971087 | 56.659 | ng | 99 |
| 58) Fluorene | 15.481 | 166 | 3230571 | 49.759 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.045 | 232 | 851401 | 52.152 | ng | 100 |
| 60) Diethylphthalate | 15.251 | 149 | 3265289 | 50.786 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.475 | 204 | 1572773 | 49.216 | ng | 99 |
| 62) 4-Nitroaniline | 15.504 | 138 | 831169 | 56.889 | ng | 99 |
| 63) Azobenzene | 15.769 | 77 | 3077821 | 51.085 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.563 | 198 | 551280 | 55.051 | ng | 97 |
| 66) n-Nitrosodiphenylamine | 15.686 | 169 | 2670636 | 49.497 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.386 | 248 | 968698 | 49.858 | ng | 98 |
| 68) Hexachlorobenzene | 16.510 | 284 | 1136445 | 49.709 | ng | 99 |
| 69) Atrazine | 16.669 | 200 | 452391 | 32.672 | ng | 99 |
| 70) Pentachlorophenol | 16.863 | 266 | 796545 | 53.644 | ng | 99 |
| 71) Phenanthrene | 17.257 | 178 | 4759945 | 48.797 | ng | 100 |
| 72) Anthracene | 17.351 | 178 | 4723119 | 50.526 | ng | 100 |
| 73) Carbazole | 17.633 | 167 | 4585466 | 51.485 | ng | 100 |
| 74) Di-n-butylphthalate | 18.222 | 149 | 5502824 | 52.951 | ng | 100 |
| 75) Fluoranthene | 19.345 | 202 | 5644914 | 51.163 | ng | 99 |
| 77) Benzidine | 19.539 | 184 | 804810 | 35.585 | ng | 99 |
| 78) Pyrene | 19.727 | 202 | 5876091 | 49.843 | ng | 100 |
| 80) Butylbenzylphthalate | 20.674 | 149 | 2571381 | 56.920 | ng | 99 |
| 81) Benzo(a)anthracene | 21.657 | 228 | 5851357 | 50.277 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.580 | 252 | 2015249 | 55.414 | ng | 99 |
| 83) Chrysene | 21.727 | 228 | 5625314 | 50.126 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.592 | 149 | 3802016 | 55.499 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.904 | 149 | 6298049 | 57.516 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.956 | 276 | 7354717 | 50.680 | ng | 99 |
| 88) Benzo(b)fluoranthene | 24.004 | 252 | 6342083 | 48.959 | ng | 98 |
| 89) Benzo(k)fluoranthene | 24.080 | 252 | 6136938 | 48.672 | ng | 99 |
| 90) Benzo(a)pyrene | 24.927 | 252 | 5581393 | 50.770 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 29.045 | 278 | 6072440 | 49.766 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 30.168 | 276 | 6130219 | 49.509 | ng | 99 |

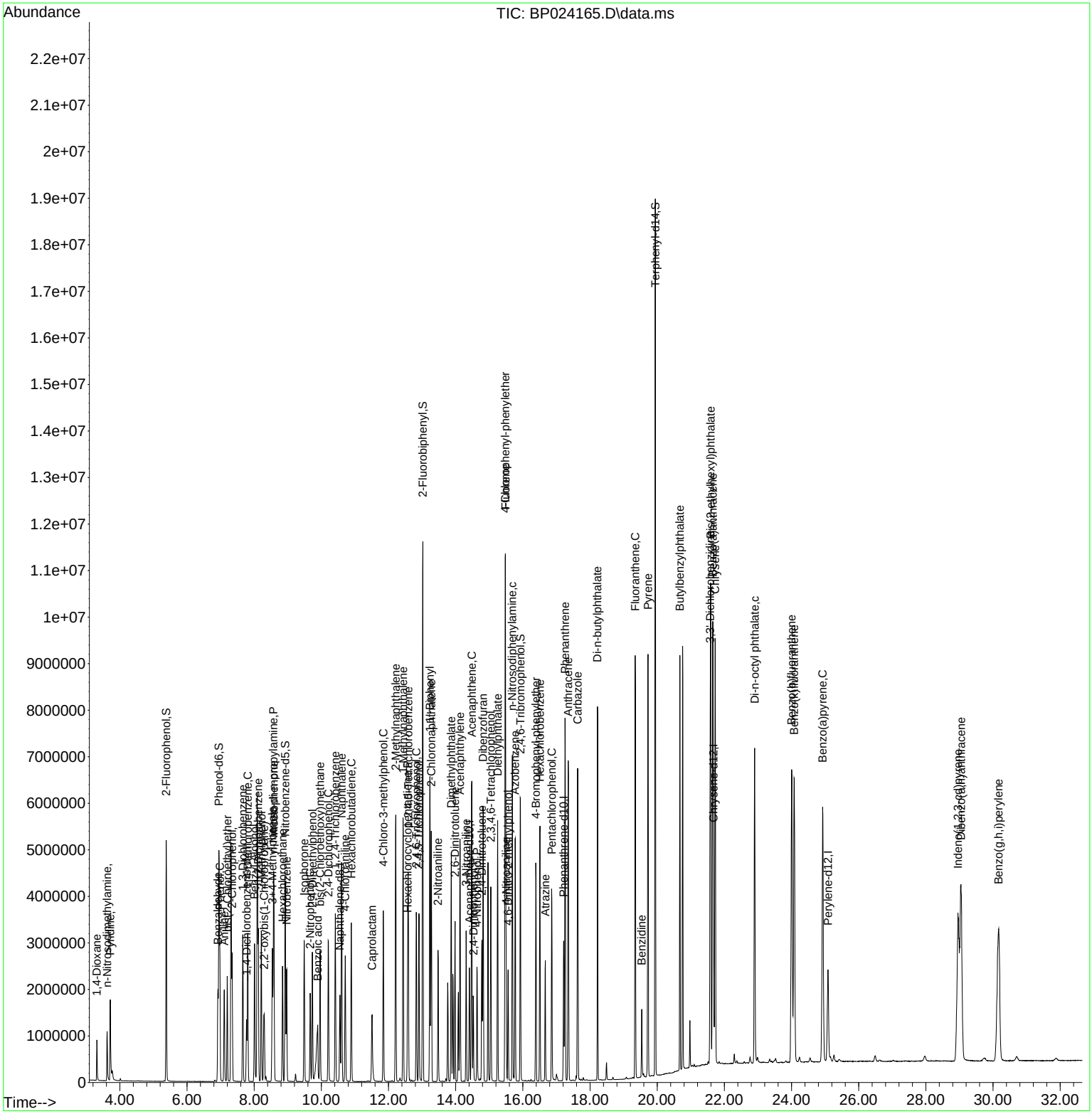
(#) = qualifier out of range (m) = manual integration (+) = signals summed

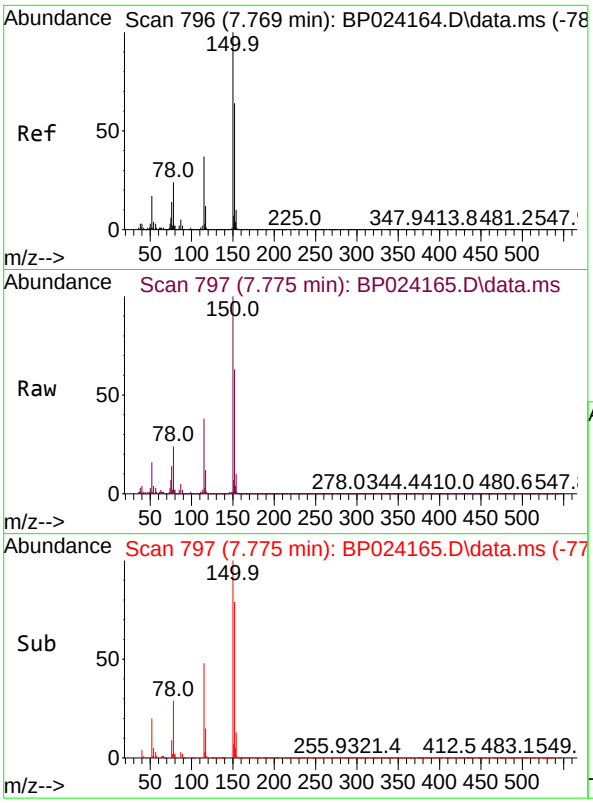
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024165.D
Acq On : 12 Mar 2025 19:41
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Quant Time: Mar 13 04:09:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration



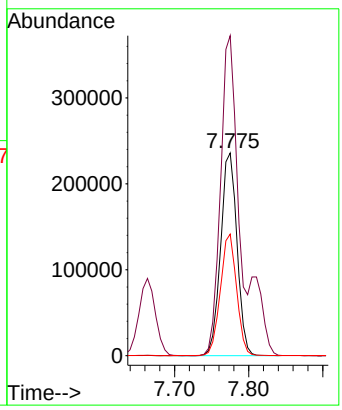


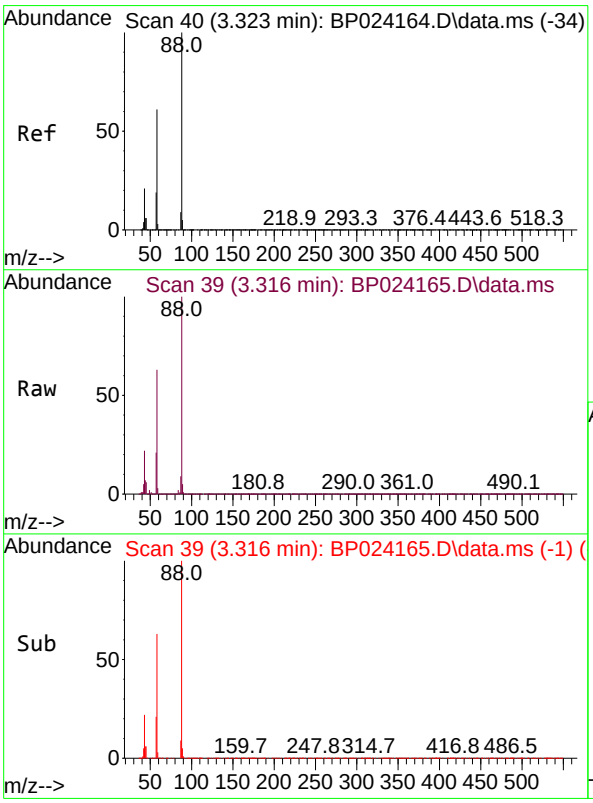

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:152 Resp: 362382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.9 | 125.5 | 188.3 |
| 115 | 60.0 | 46.3 | 69.5 |

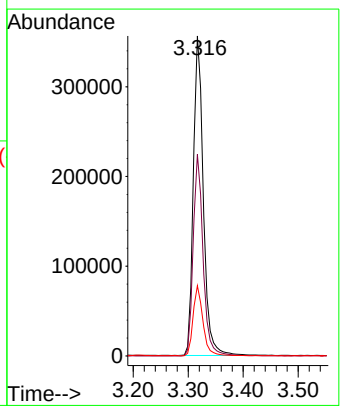


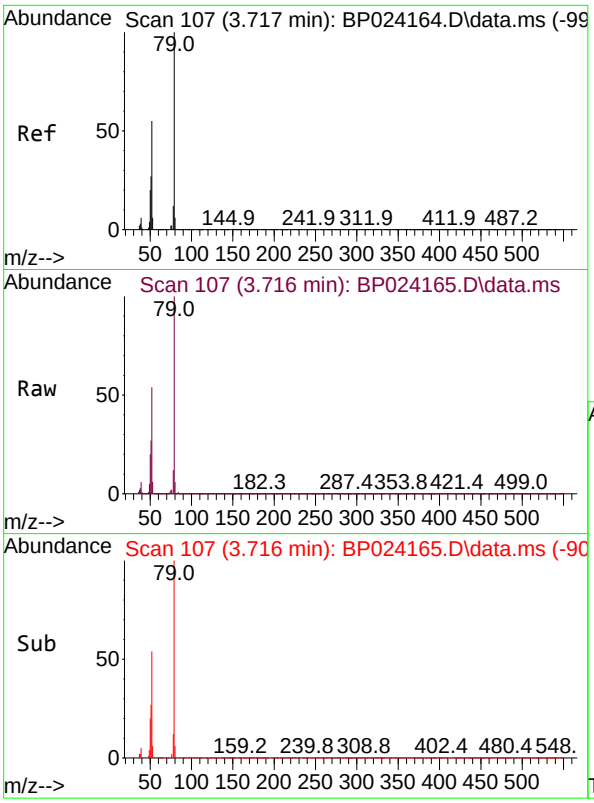




#2
1,4-Dioxane
Concen: 49.365 ng
RT: 3.316 min Scan# 39
Delta R.T. -0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion: 88 Resp: 449736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 62.6 | 49.8 | 74.6 |
| 43 | 21.6 | 17.3 | 25.9 |



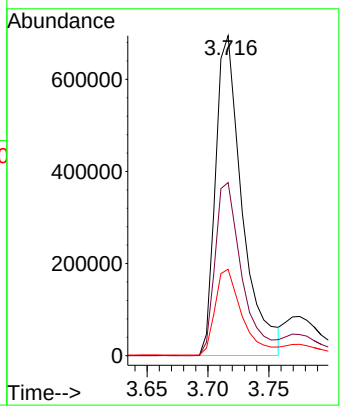


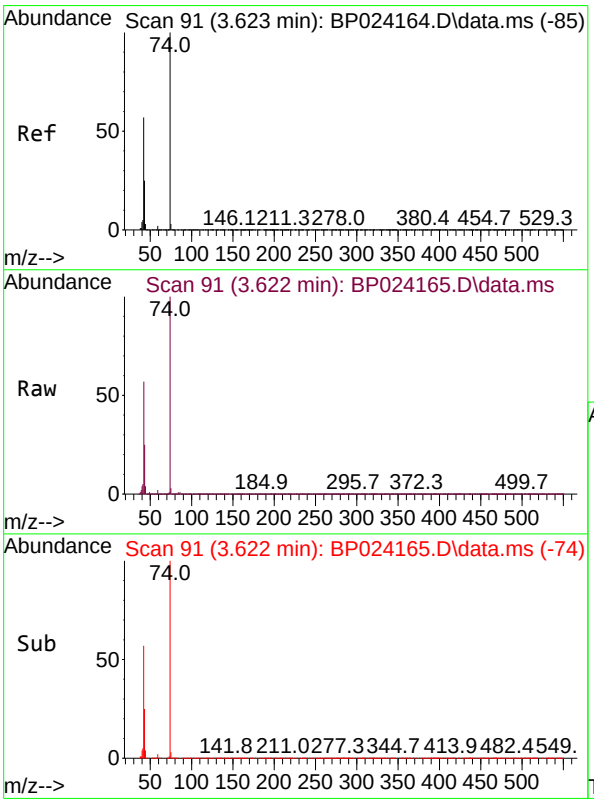

#3
Pyridine
Concen: 44.773 ng
RT: 3.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 79 Resp: 1060495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 54.1 | 43.8 | 65.8 |
| 51 | 27.0 | 21.6 | 32.4 |

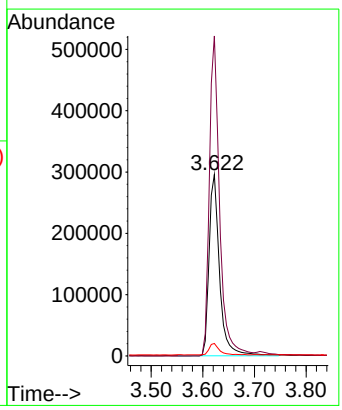


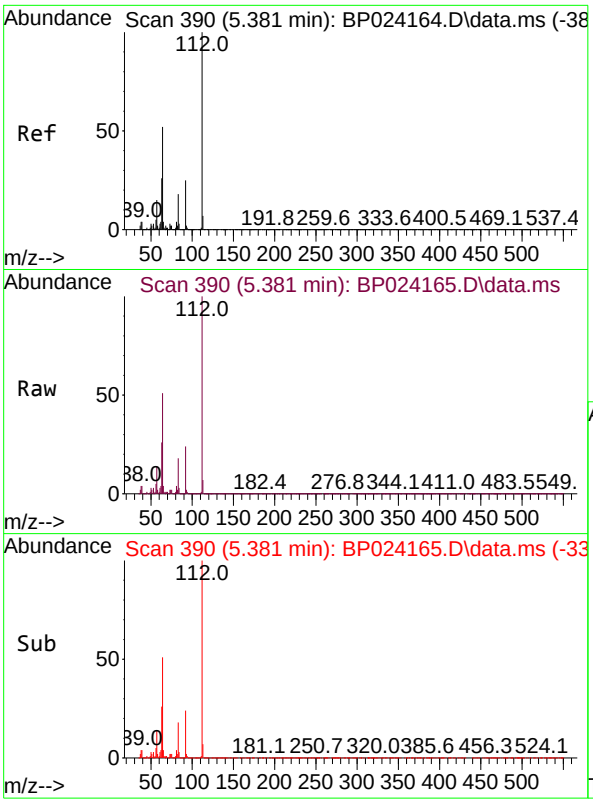




#4
n-Nitrosodimethylamine
Concen: 49.741 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion: 42 Resp: 417922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 176.4 | 139.8 | 209.6 |
| 44 | 6.9 | 5.3 | 7.9 |



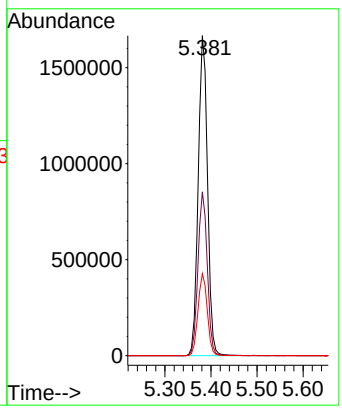


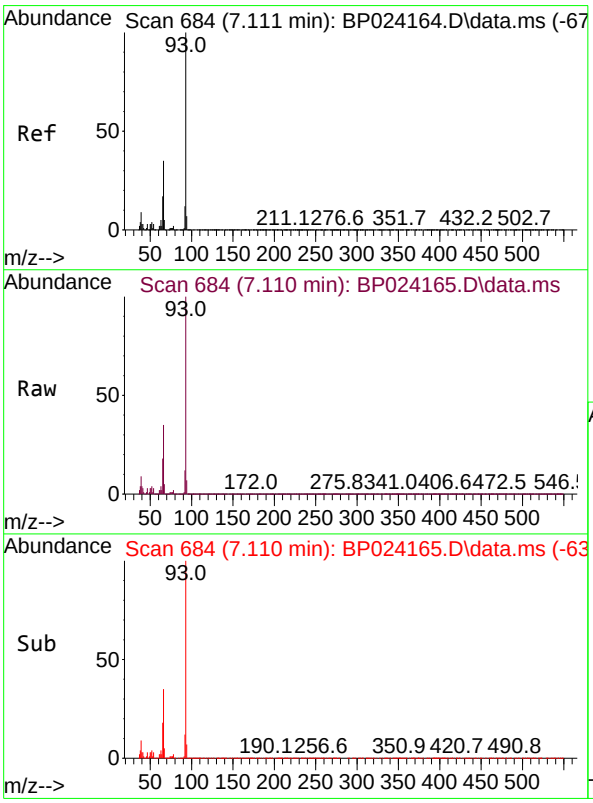

#5
2-Fluorophenol
Concen: 100.747 ng
RT: 5.381 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:112 Resp: 2339783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 51.2 | 41.3 | 61.9 |
| 63 | 25.7 | 20.6 | 31.0 |

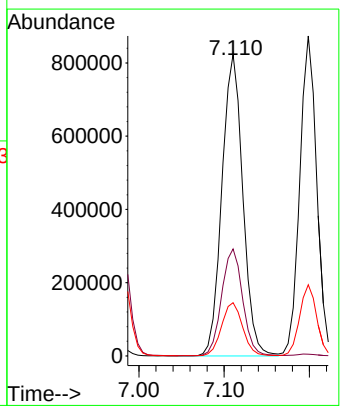


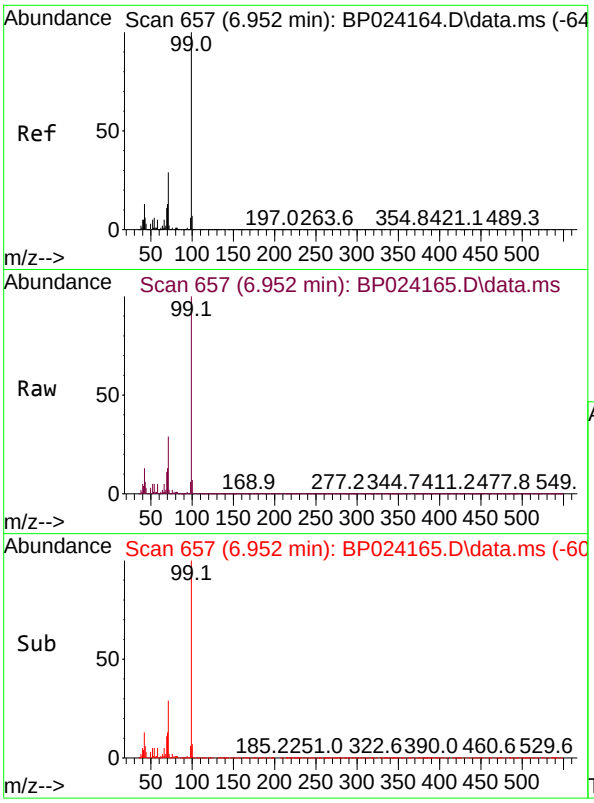




#6
Aniline
Concen: 51.307 ng
RT: 7.110 min Scan# 684
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion: 93 Resp: 1402509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 35.5 | 28.2 | 42.2 |
| 65 | 17.7 | 14.0 | 21.0 |



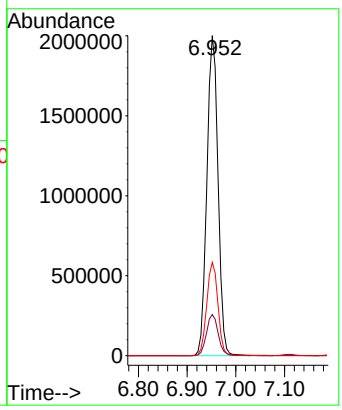


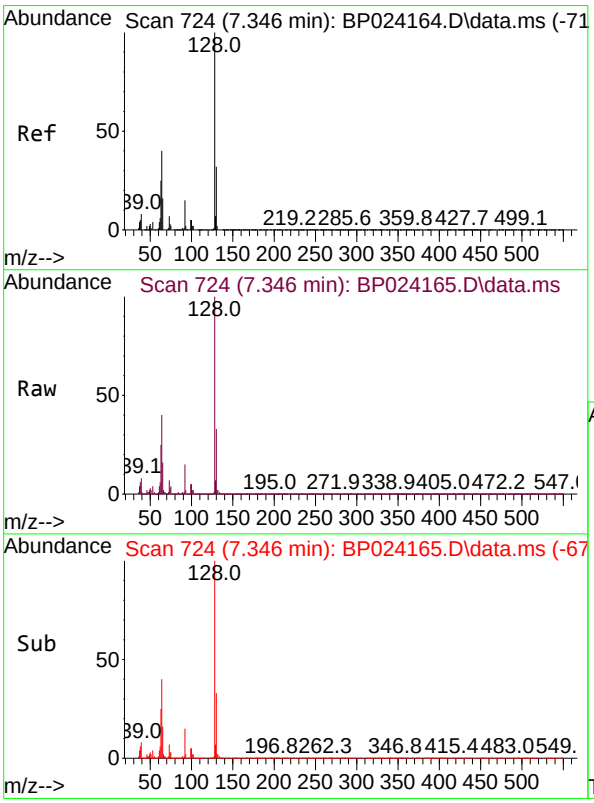

#7
Phenol-d6
Concen: 106.191 ng
RT: 6.952 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 99 Resp: 3169724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 12.9 | 10.6 | 16.0 |
| 71 | 29.1 | 23.3 | 34.9 |

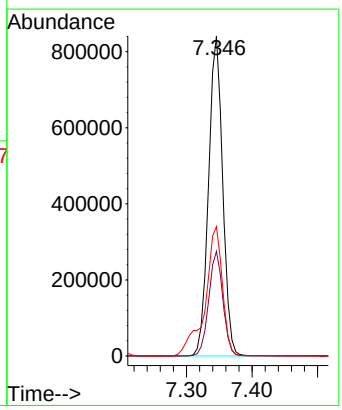


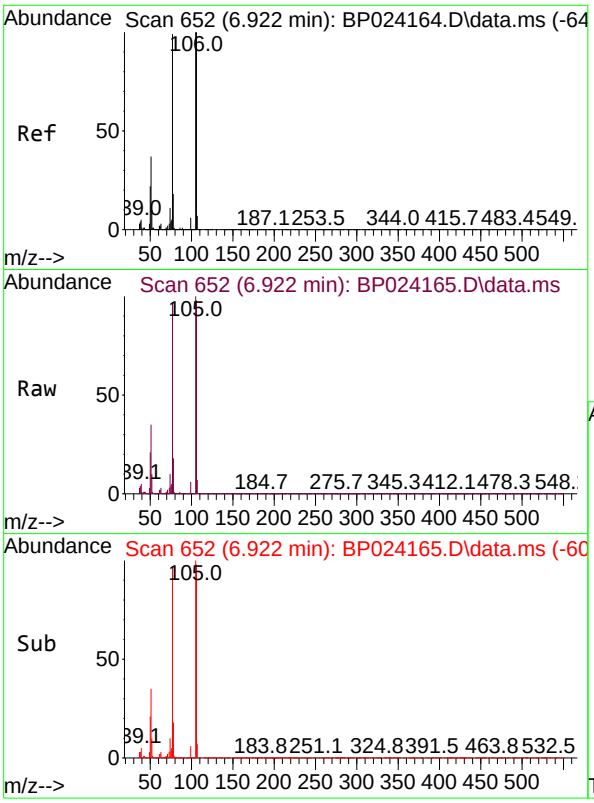




#8
2-Chlorophenol
Concen: 51.262 ng
RT: 7.346 min Scan# 724
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:128 Resp: 1260095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.7 | 12.0 | 52.0 |
| 64 | 40.4 | 21.6 | 61.6 |



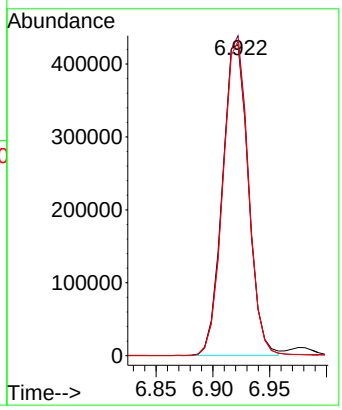


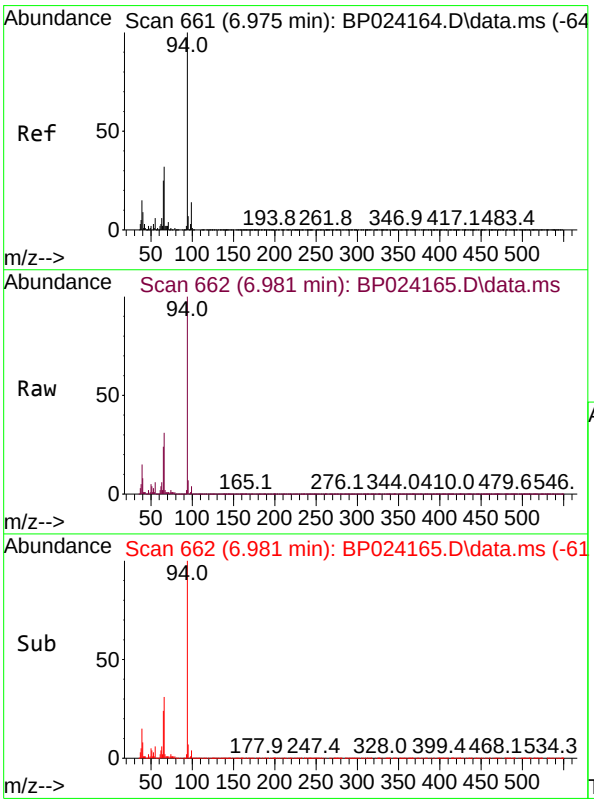

#9
Benzaldehyde
Concen: 49.899 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 77 Resp: 680024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 102.9 | 81.4 | 121.4 |
| 106 | 101.1 | 81.1 | 121.1 |

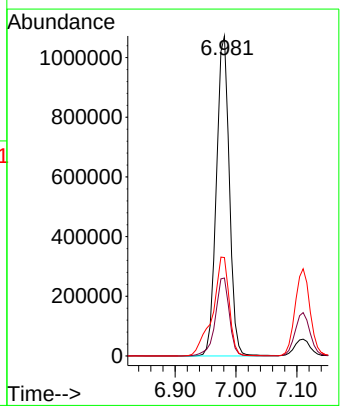


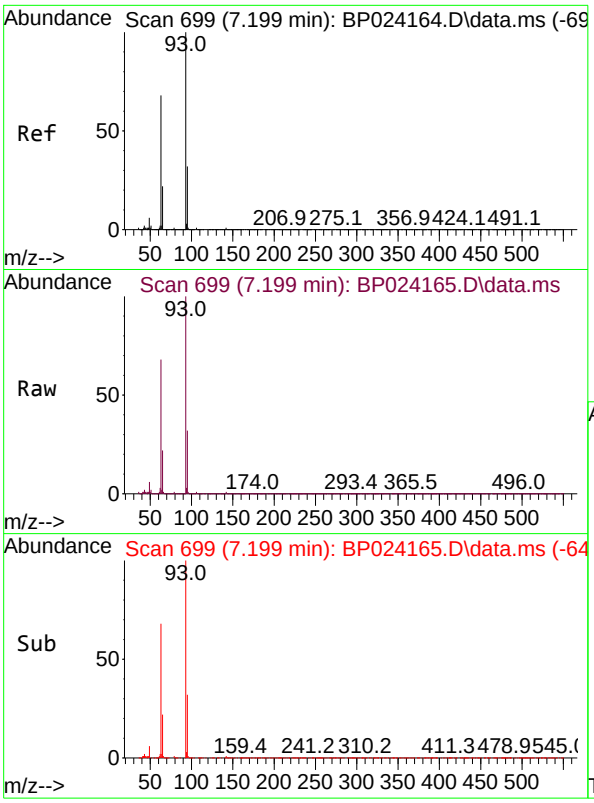




#10
Phenol
Concen: 52.648 ng
RT: 6.981 min Scan# 662
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion: 94 Resp: 1580281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 24.4 | 4.9 | 44.9 |
| 66 | 30.8 | 11.9 | 51.9 |



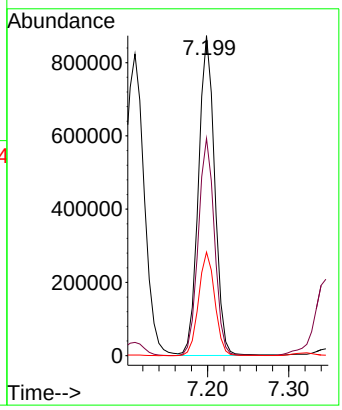


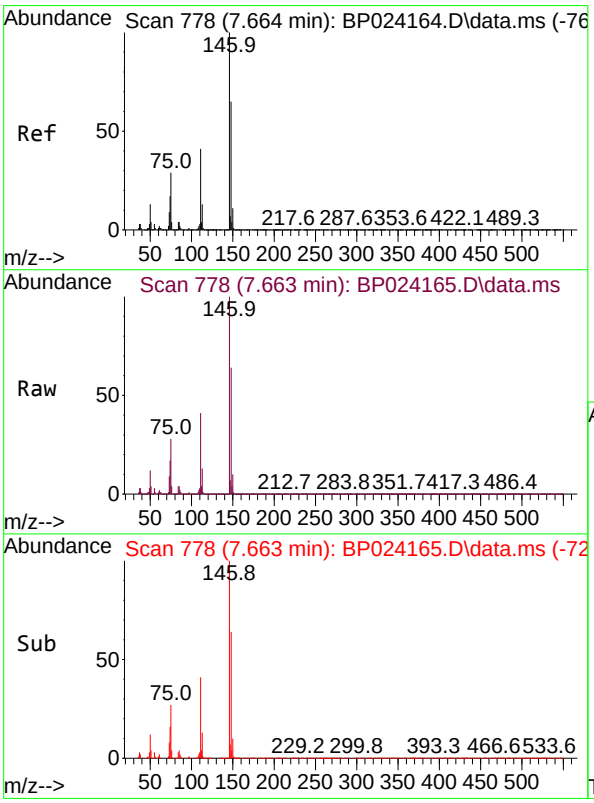

#11
bis(2-Chloroethyl)ether
Concen: 51.383 ng
RT: 7.199 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 93 Resp: 1214752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 67.9 | 47.4 | 87.4 |
| 95 | 32.4 | 12.1 | 52.1 |

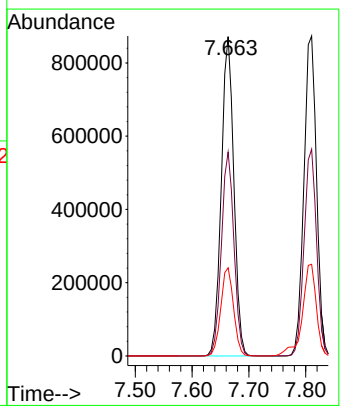


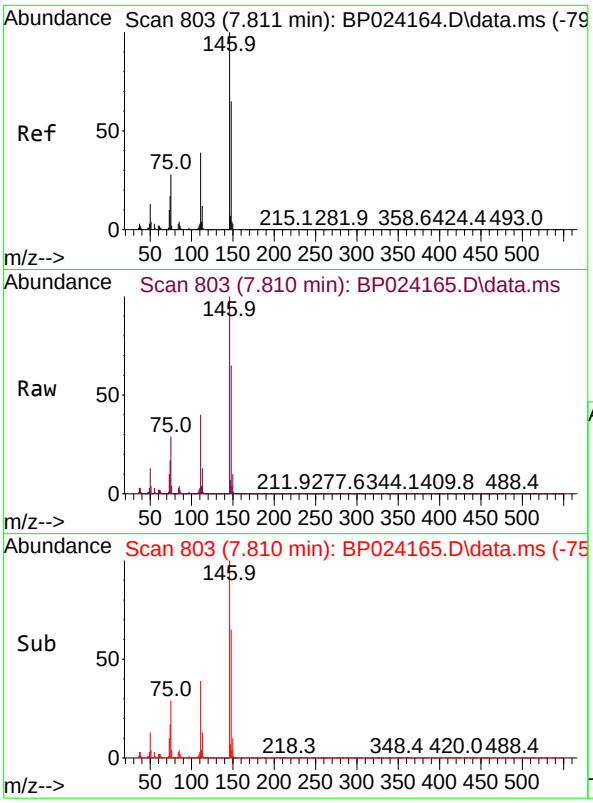




#12
1,3-Dichlorobenzene
Concen: 49.552 ng
RT: 7.663 min Scan# 778
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:146 Resp: 1338137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 51.6 | 77.4 |
| 75 | 27.6 | 22.8 | 34.2 |



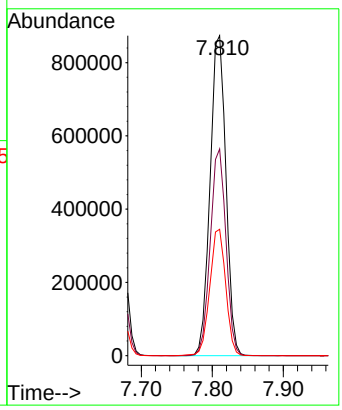


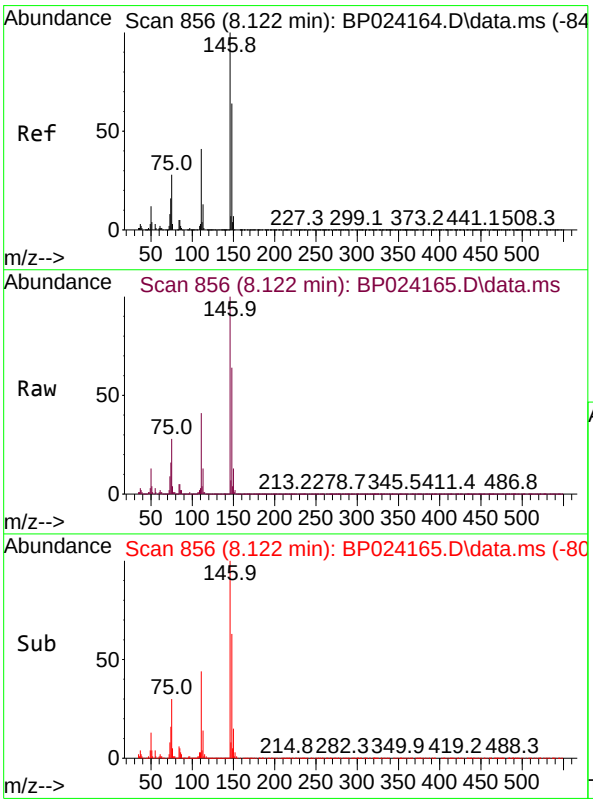

#13
1,4-Dichlorobenzene
Concen: 49.520 ng
RT: 7.810 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:146 Resp: 1352373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.6 | 51.9 | 77.9 |
| 111 | 39.5 | 31.4 | 47.2 |

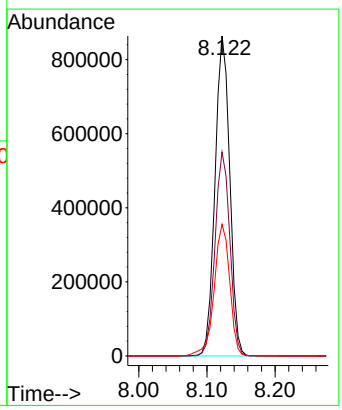


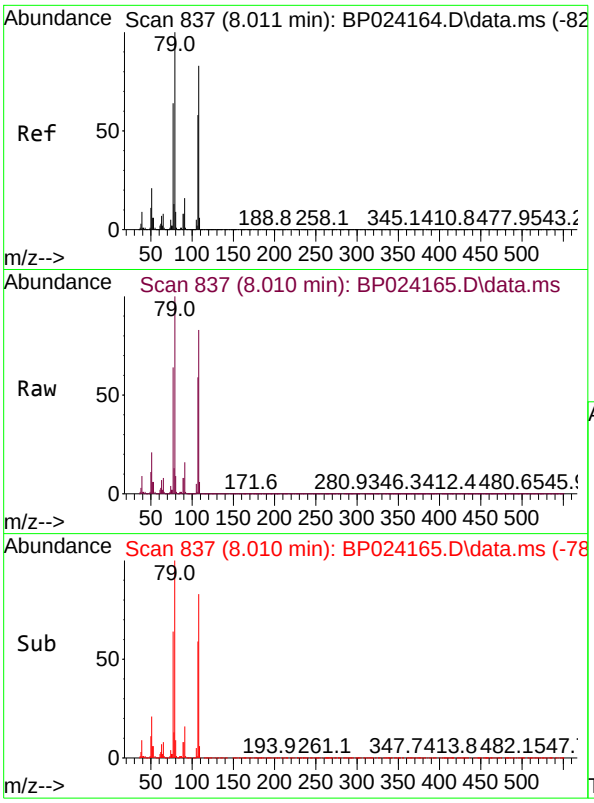




#14
1,2-Dichlorobenzene
Concen: 49.586 ng
RT: 8.122 min Scan# 856
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:146 Resp: 1299613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.7 | 51.4 | 77.2 |
| 111 | 41.2 | 33.2 | 49.8 |



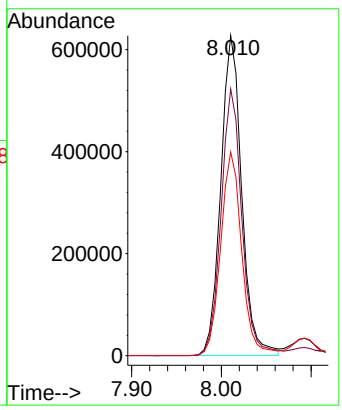


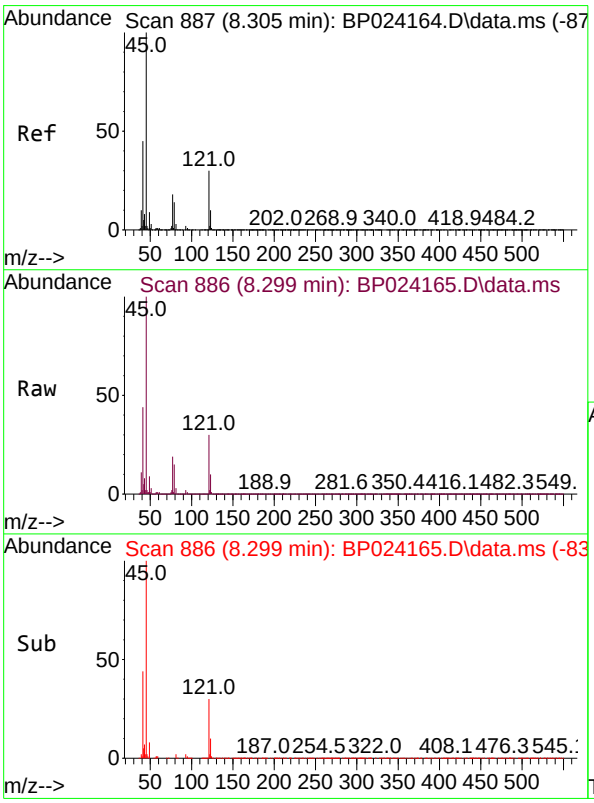

#15
Benzyl Alcohol
Concen: 55.621 ng
RT: 8.010 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 79 Resp: 1016261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 83.4 | 66.5 | 99.7 |
| 77 | 63.7 | 50.9 | 76.3 |

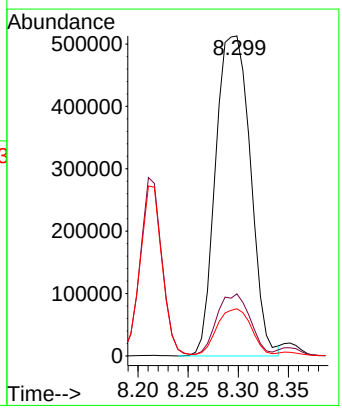


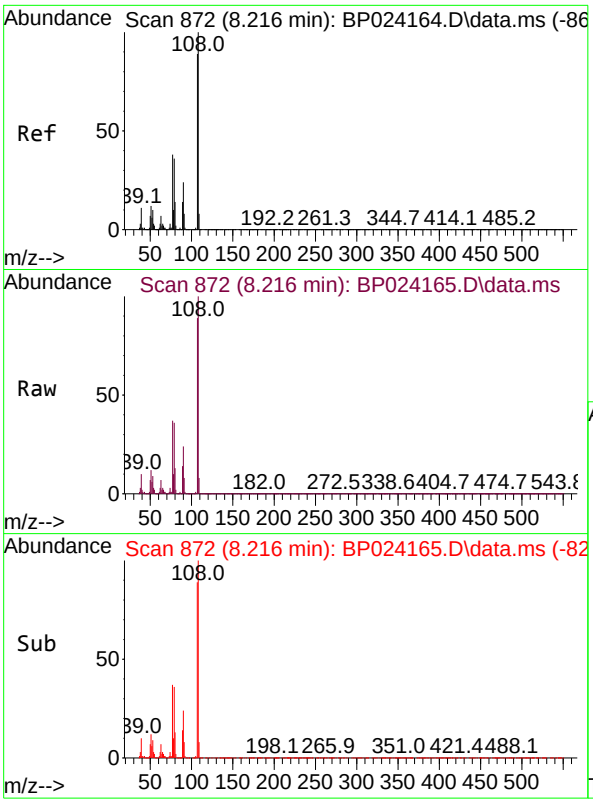




#16
2,2'-oxybis(1-Chloropropane)
Concen: 53.871 ng
RT: 8.299 min Scan# 886
Delta R.T. -0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion: 45 Resp: 1236313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 19.4 | 0.0 | 39.0 |
| 79 | 14.8 | 0.0 | 35.6 |



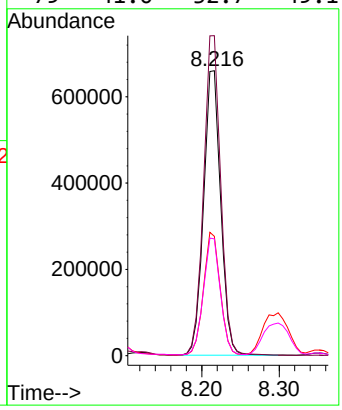


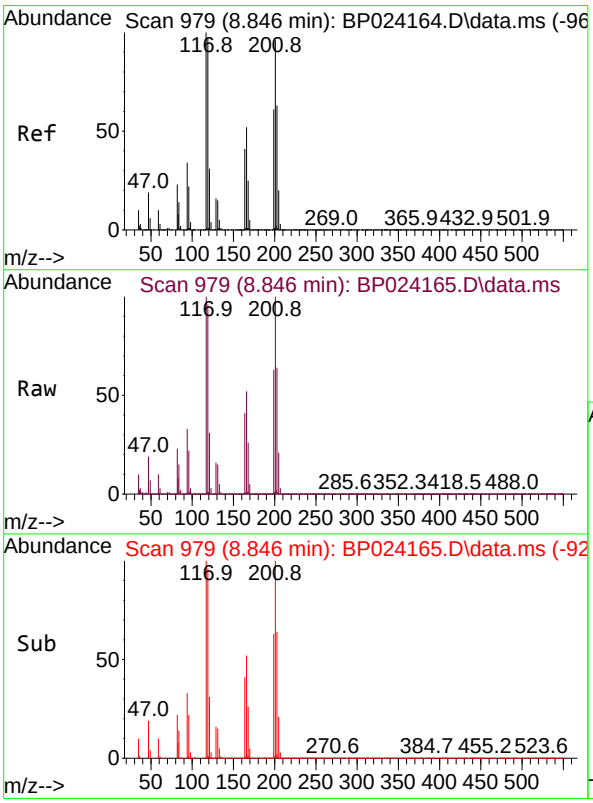

#17
2-Methylphenol
Concen: 55.257 ng
RT: 8.216 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:107 Resp: 1010720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.3 | 90.0 | 135.0 |
| 77 | 41.9 | 34.0 | 51.0 |
| 79 | 41.0 | 32.7 | 49.1 |

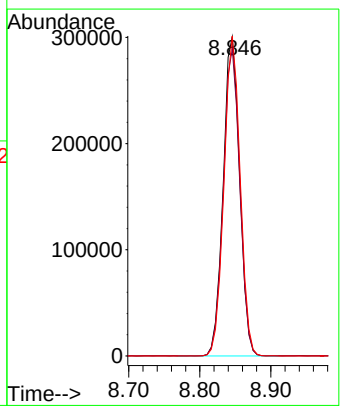


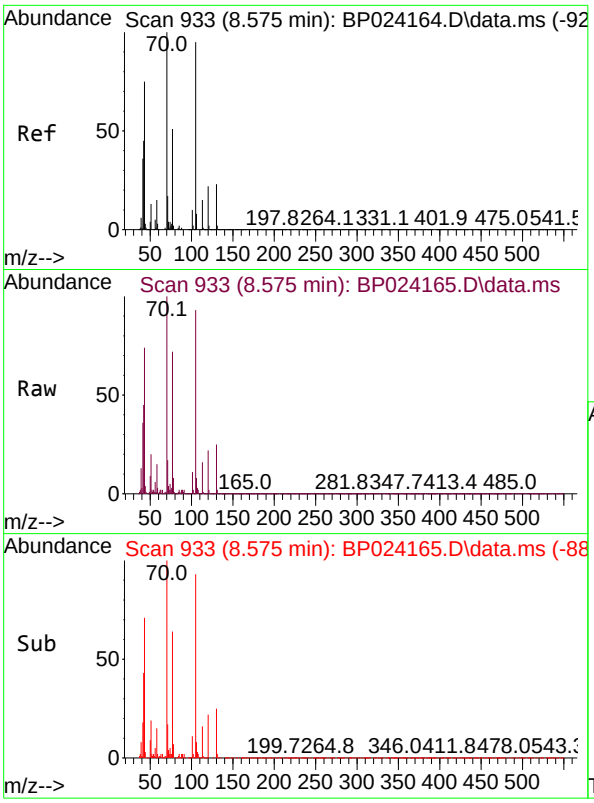




#18
Hexachloroethane
Concen: 49.052 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:117 Resp: 482437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.3 | 77.4 | 116.0 |
| 201 | 100.3 | 76.6 | 114.8 |



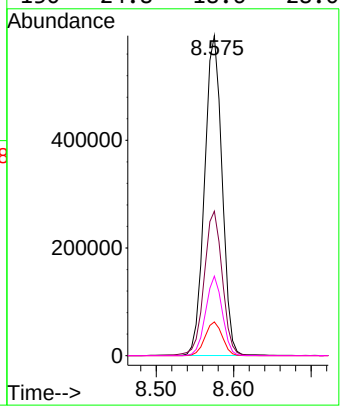


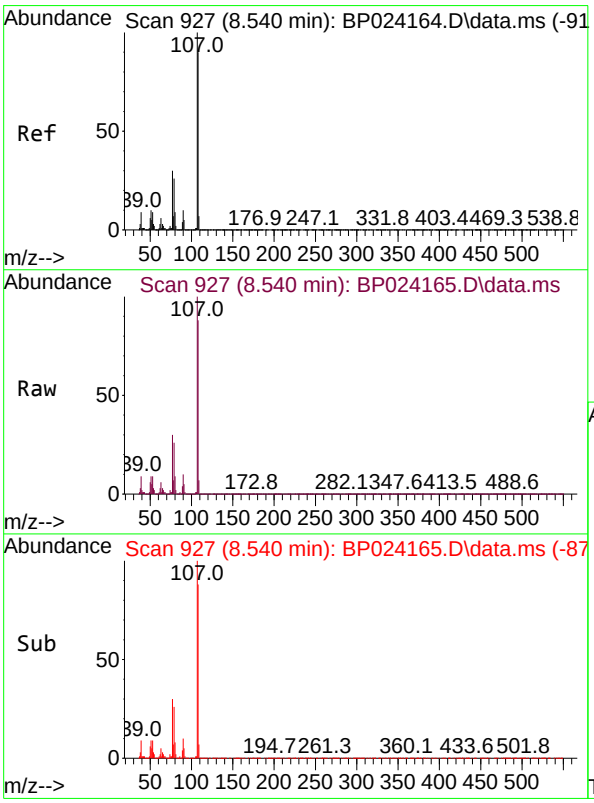

#19
n-Nitroso-di-n-propylamine
Concen: 57.939 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 70 Resp: 929876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 45.2 | 36.0 | 54.0 |
| 101 | 10.5 | 8.3 | 12.5 |
| 130 | 24.8 | 18.6 | 28.0 |

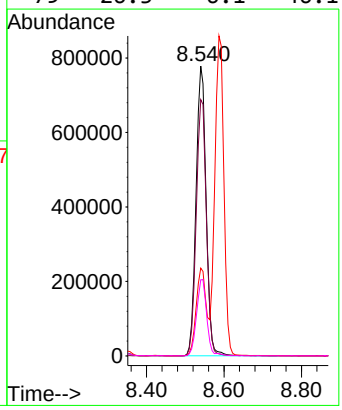


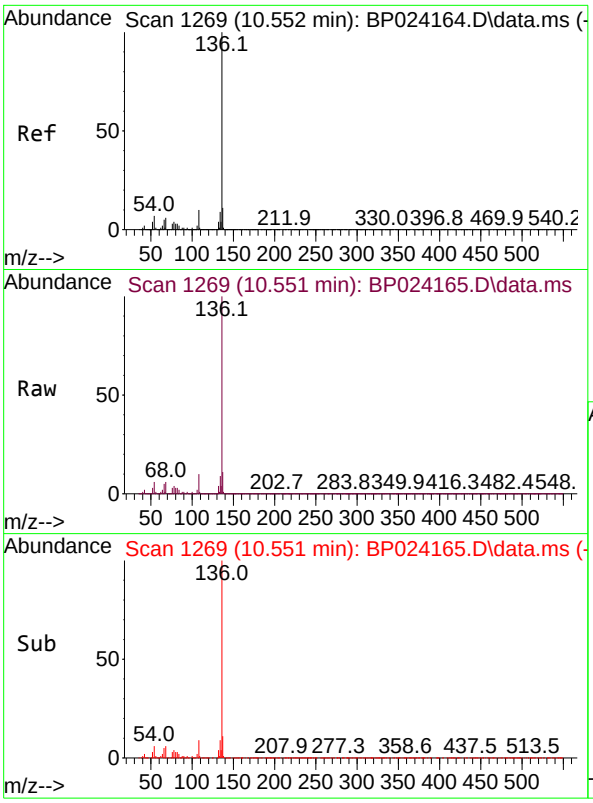




#20
3+4-Methylphenols
Concen: 56.333 ng
RT: 8.540 min Scan# 927
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:107 Resp: 1401754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.4 | 69.7 | 109.7 |
| 77 | 30.3 | 10.3 | 50.3 |
| 79 | 26.3 | 6.1 | 46.1 |



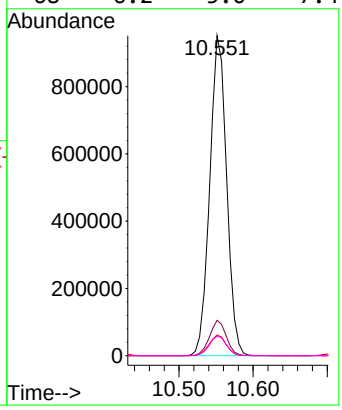


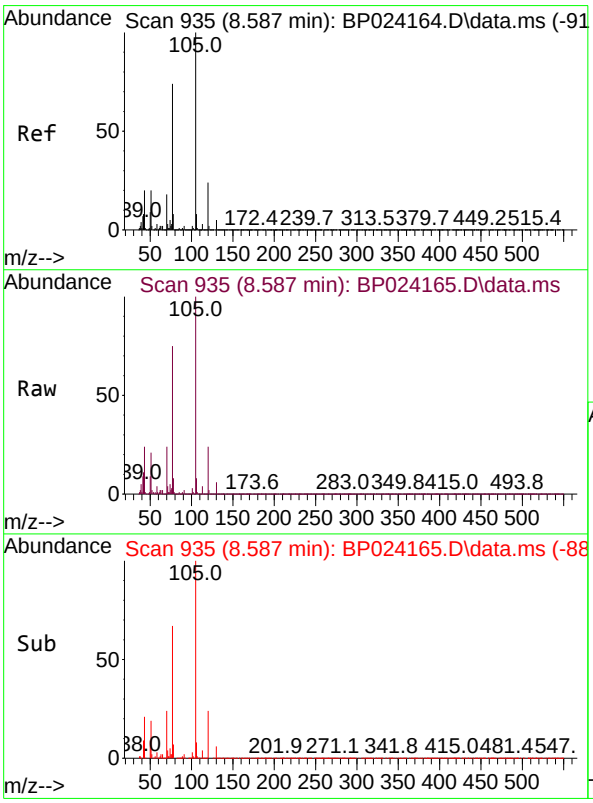

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.551 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:136 Resp: 1504882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 9.0 | 13.4 |
| 54 | 6.4 | 5.3 | 7.9 |
| 68 | 6.2 | 5.0 | 7.4 |

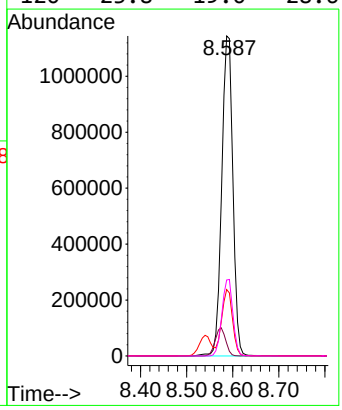


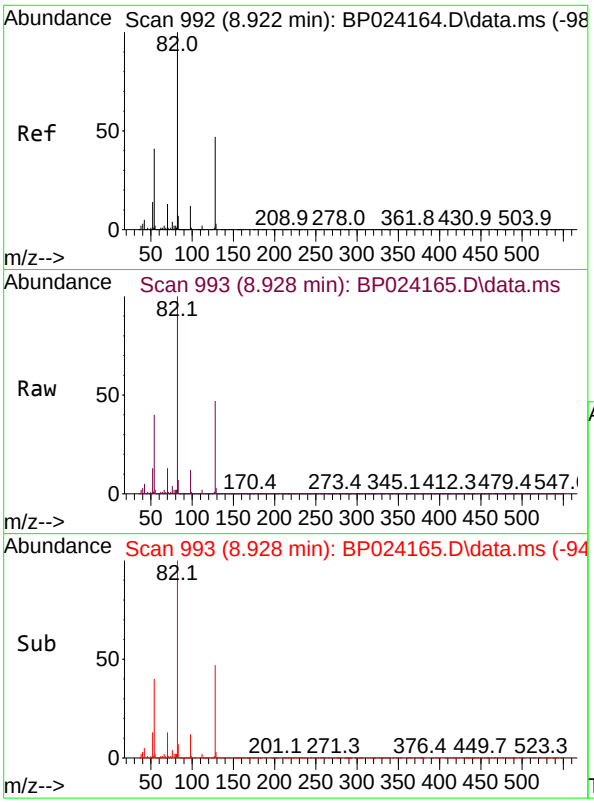




#22
Acetophenone
Concen: 49.450 ng
RT: 8.587 min Scan# 935
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:105 Resp: 1912289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 3.9 | 2.4 | 3.6# |
| 51 | 20.8 | 16.2 | 24.2 |
| 120 | 23.8 | 19.0 | 28.6 |



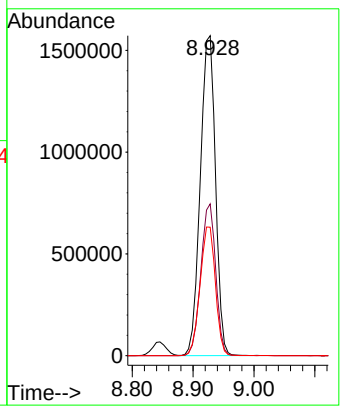


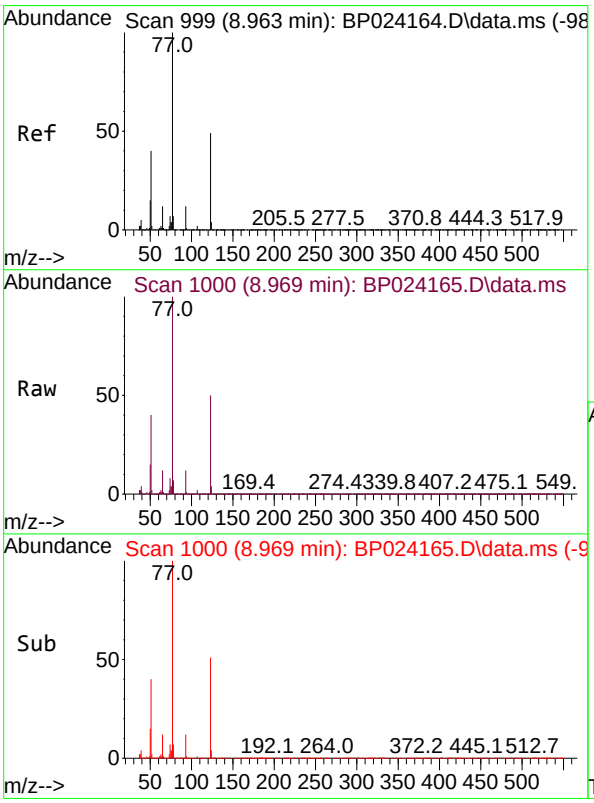

#23
Nitrobenzene-d5
Concen: 100.962 ng
RT: 8.928 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 82 Resp: 2723412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.4 | 37.4 | 56.0 |
| 54 | 40.1 | 32.5 | 48.7 |

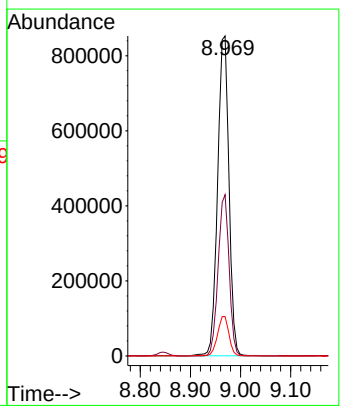


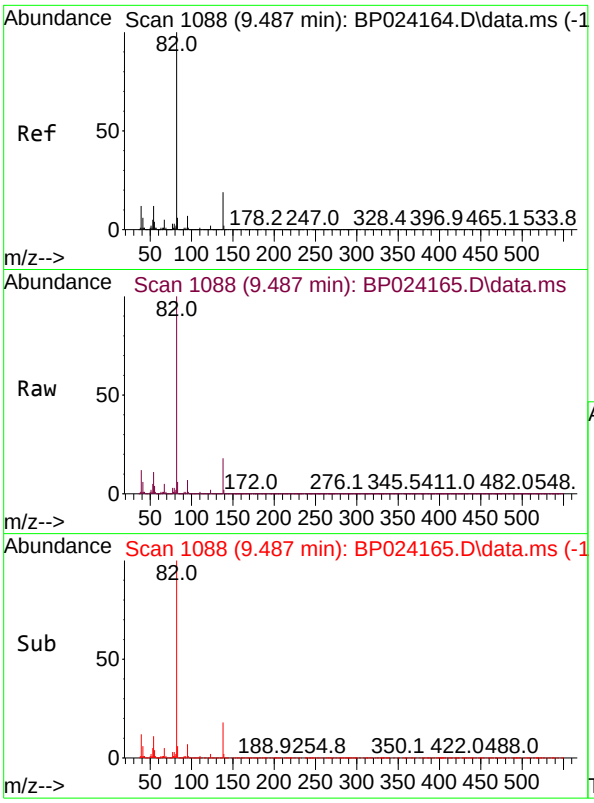




#24
Nitrobenzene
Concen: 50.299 ng
RT: 8.969 min Scan# 1000
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion: 77 Resp: 1335288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 50.4 | 39.4 | 59.2 |
| 65 | 12.3 | 9.9 | 14.9 |



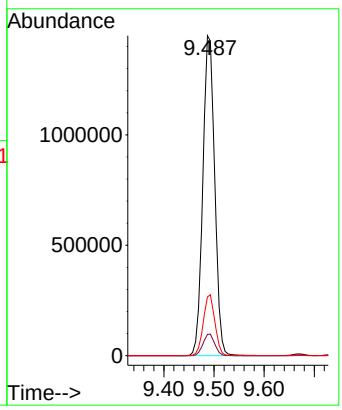


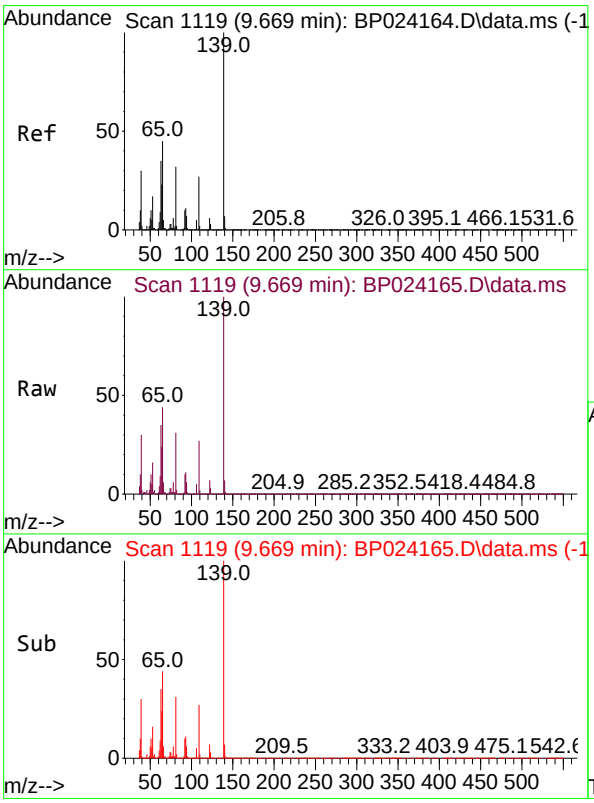

#25
Isophorone
Concen: 54.168 ng
RT: 9.487 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 82 Resp: 2389410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.7 | 5.3 | 7.9 |
| 138 | 18.3 | 14.8 | 22.2 |

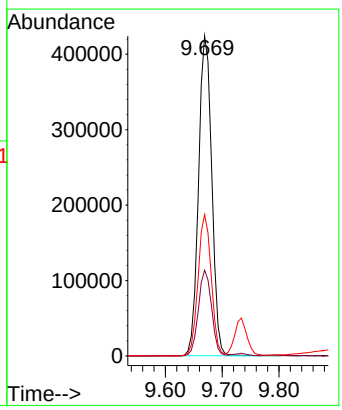


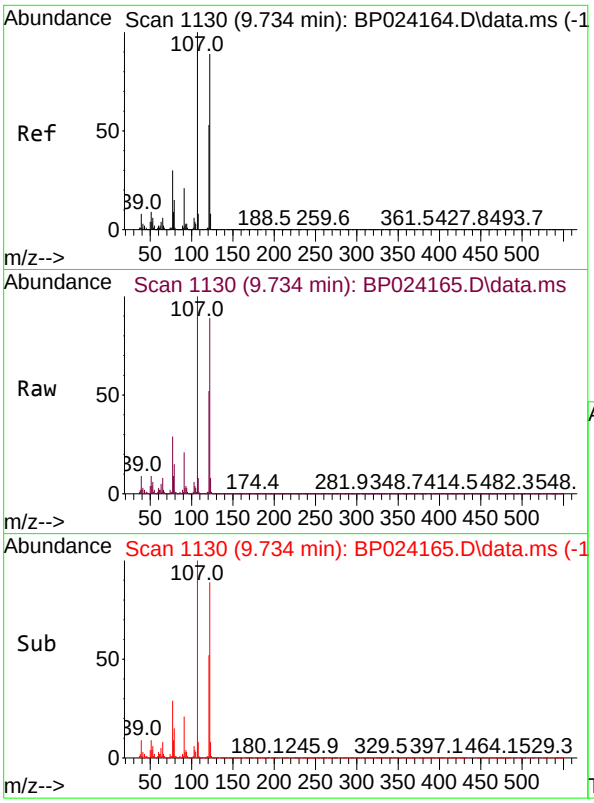




#26
2-Nitrophenol
Concen: 56.096 ng
RT: 9.669 min Scan# 1119
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:139 Resp: 686089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 26.8 | 21.7 | 32.5 |
| 65 | 44.2 | 35.8 | 53.8 |



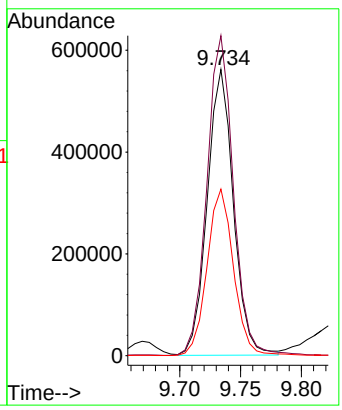


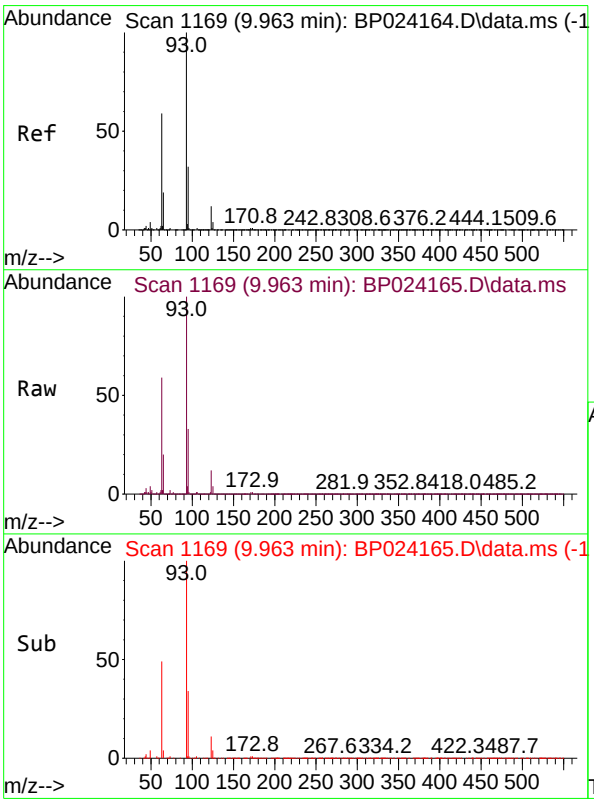

#27
2,4-Dimethylphenol
Concen: 52.362 ng
RT: 9.734 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:122 Resp: 840657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 111.8 | 89.3 | 133.9 |
| 121 | 58.2 | 47.5 | 71.3 |

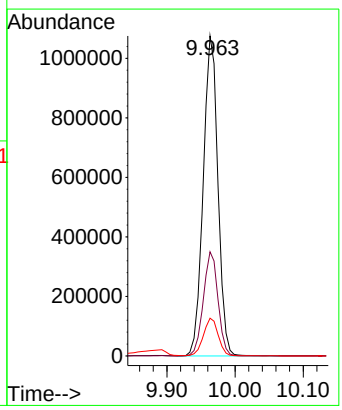


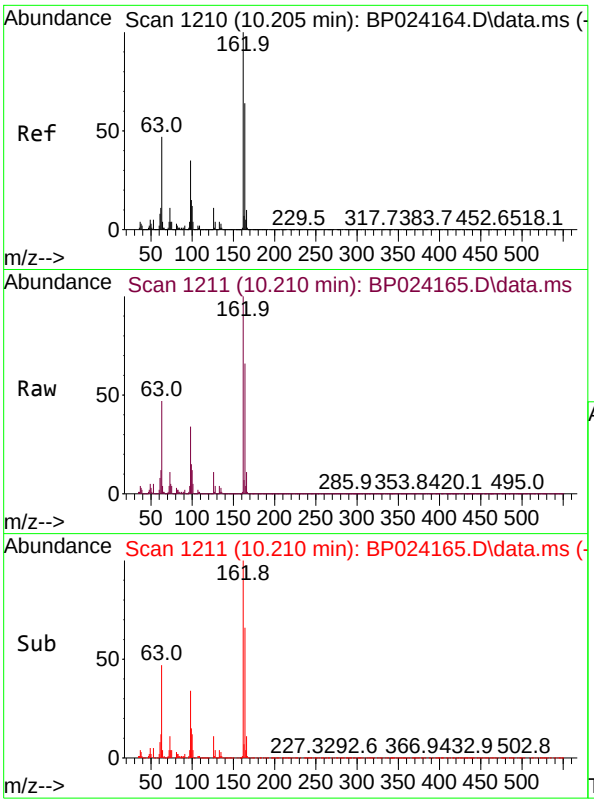




#28
bis(2-Chloroethoxy)methane
Concen: 50.476 ng
RT: 9.963 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion: 93 Resp: 1612977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.6 | 25.9 | 38.9 |
| 123 | 11.8 | 9.5 | 14.3 |



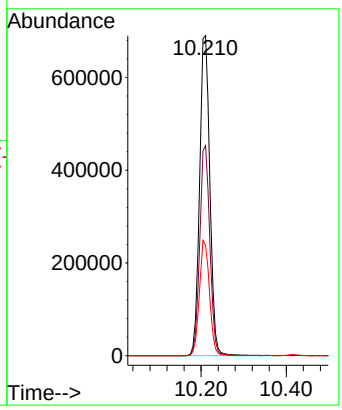


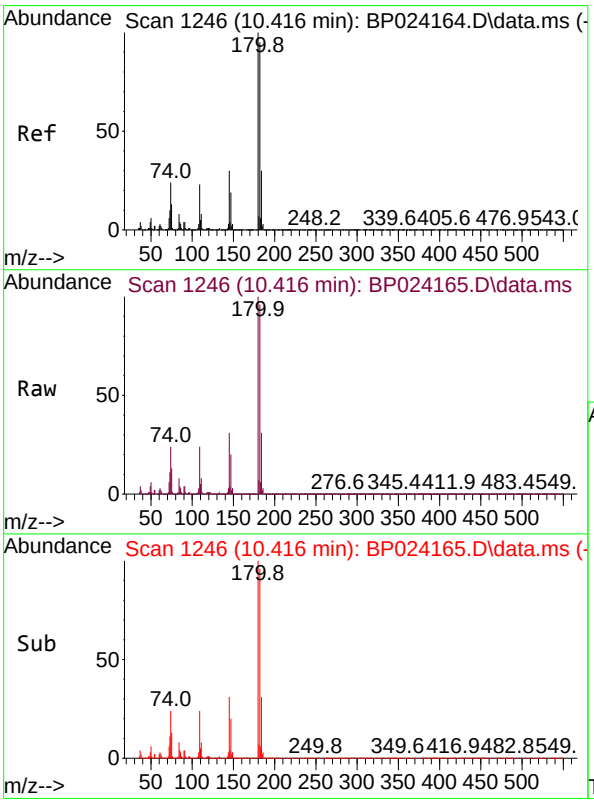

#29
2,4-Dichlorophenol
Concen: 52.591 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:162 Resp: 1152247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 65.6 | 44.2 | 84.2 |
| 98 | 34.5 | 15.1 | 55.1 |

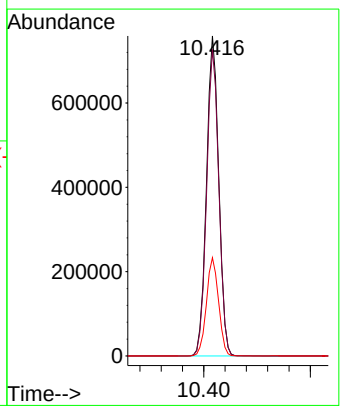


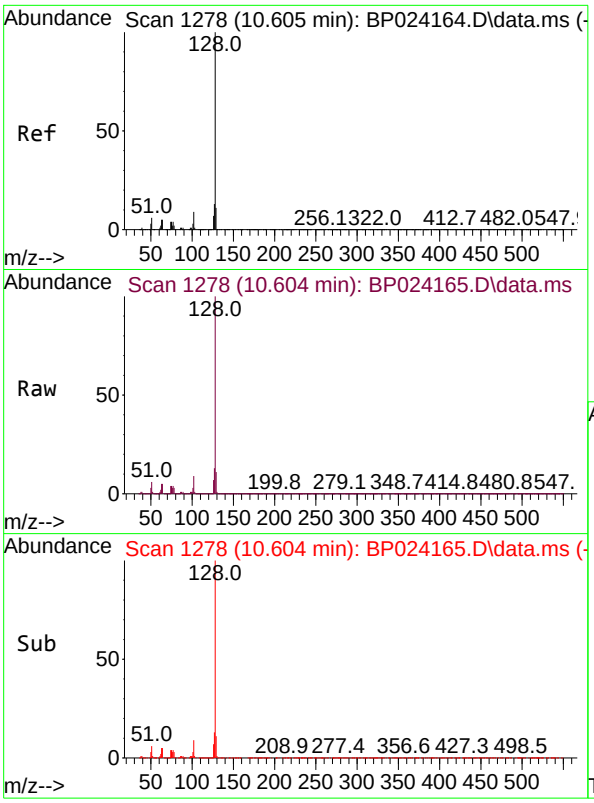




#30
1,2,4-Trichlorobenzene
Concen: 48.306 ng
RT: 10.416 min Scan# 1246
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:180 Resp: 1212617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 76.1 | 114.1 |
| 145 | 30.7 | 24.2 | 36.2 |



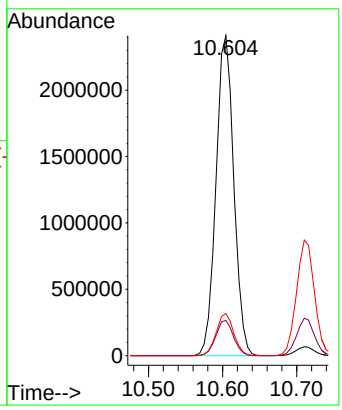


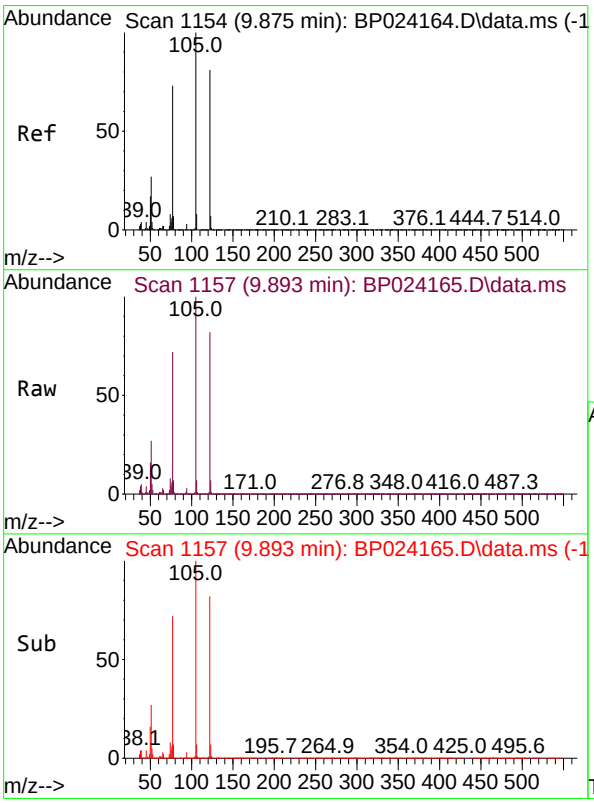

#31
Naphthalene
Concen: 49.689 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:128 Resp: 4020722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.7 | 13.1 |
| 127 | 13.2 | 10.4 | 15.6 |

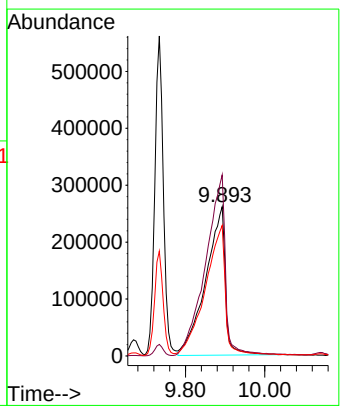


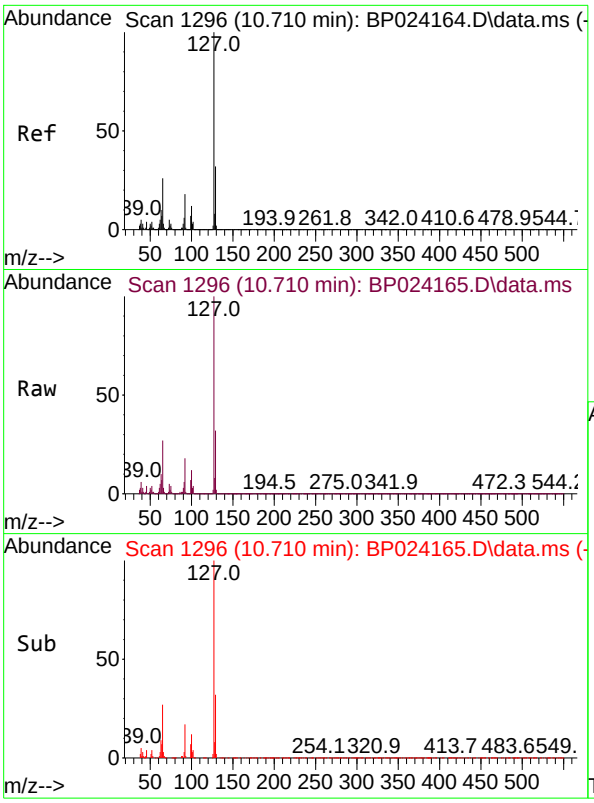




#32
Benzoic acid
Concen: 61.152 ng
RT: 9.893 min Scan# 1157
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:122 Resp: 900054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 121.3 | 100.3 | 140.3 |
| 77 | 87.4 | 69.1 | 109.1 |



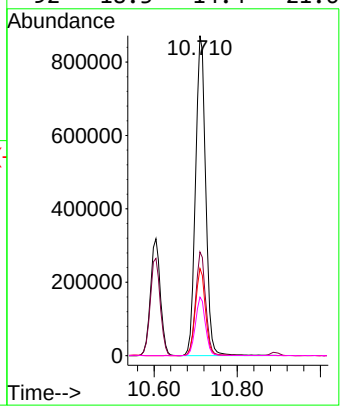


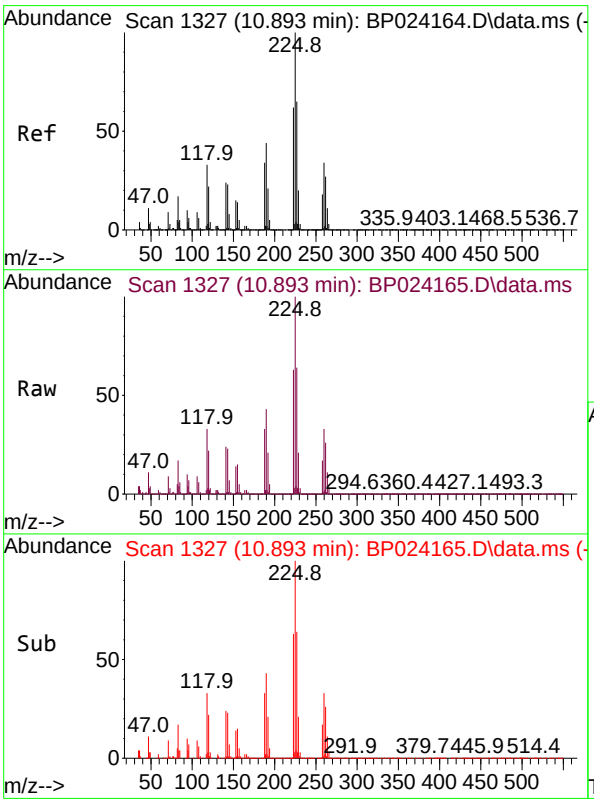

#33
4-Chloroaniline
Concen: 51.976 ng
RT: 10.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:127 Resp: 1481634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.4 | 25.8 | 38.6 |
| 65 | 27.3 | 21.2 | 31.8 |
| 92 | 18.3 | 14.4 | 21.6 |

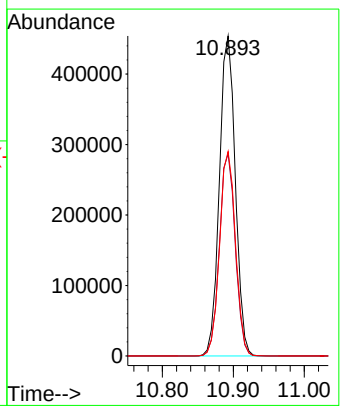


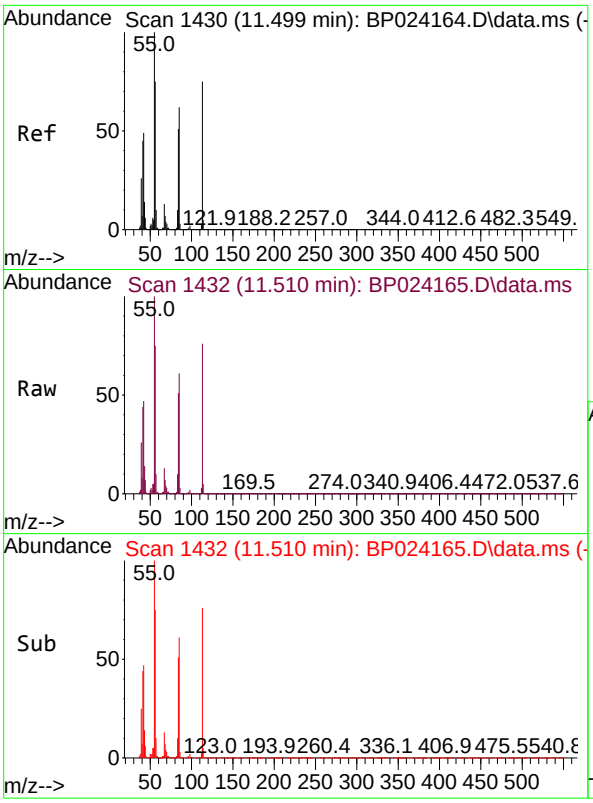




#34
Hexachlorobutadiene
Concen: 48.392 ng
RT: 10.893 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:225 Resp: 703606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.2 | 49.9 | 74.9 |
| 227 | 63.9 | 52.2 | 78.2 |



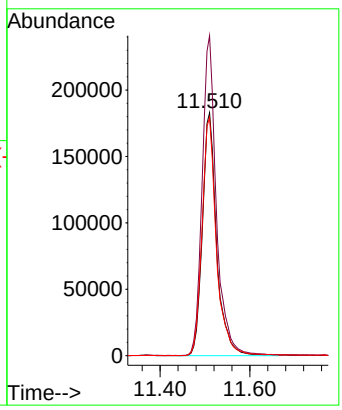


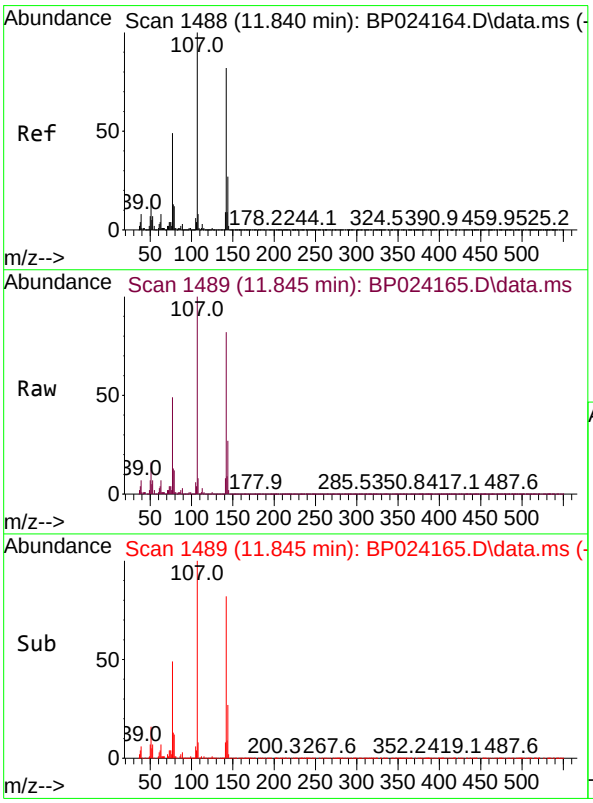

#35
Caprolactam
Concen: 60.646 ng
RT: 11.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:113 Resp: 402356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 131.8 | 113.6 | 153.6 |
| 56 | 98.2 | 80.0 | 120.0 |

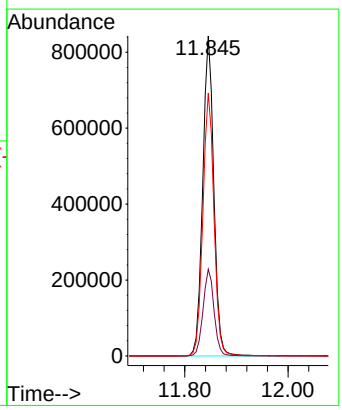


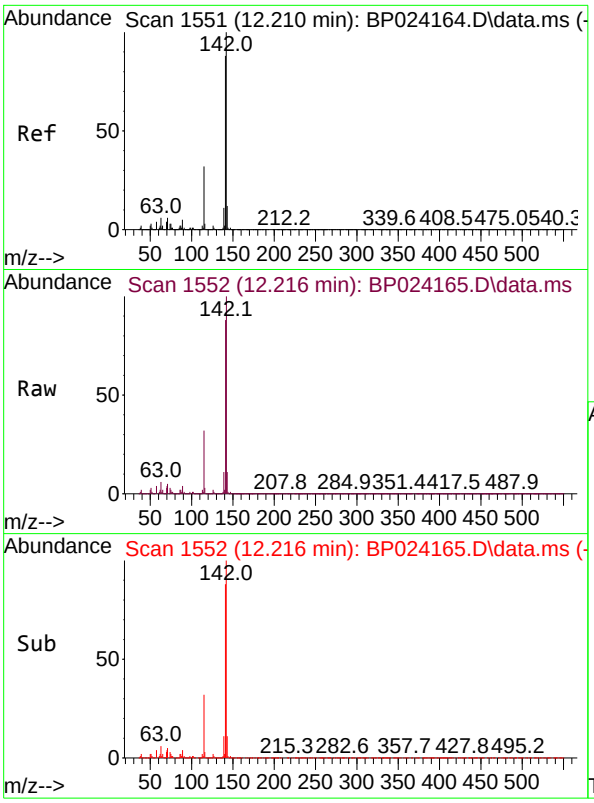




#36
4-Chloro-3-methylphenol
Concen: 55.551 ng
RT: 11.845 min Scan# 1489
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:107 Resp: 1251209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 27.1 | 21.6 | 32.4 |
| 142 | 82.1 | 65.4 | 98.0 |



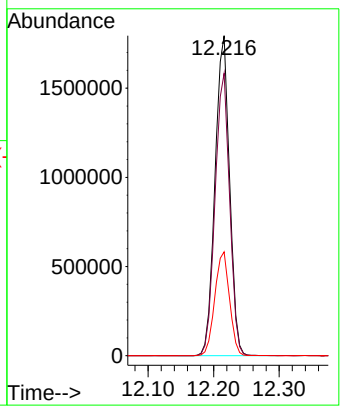


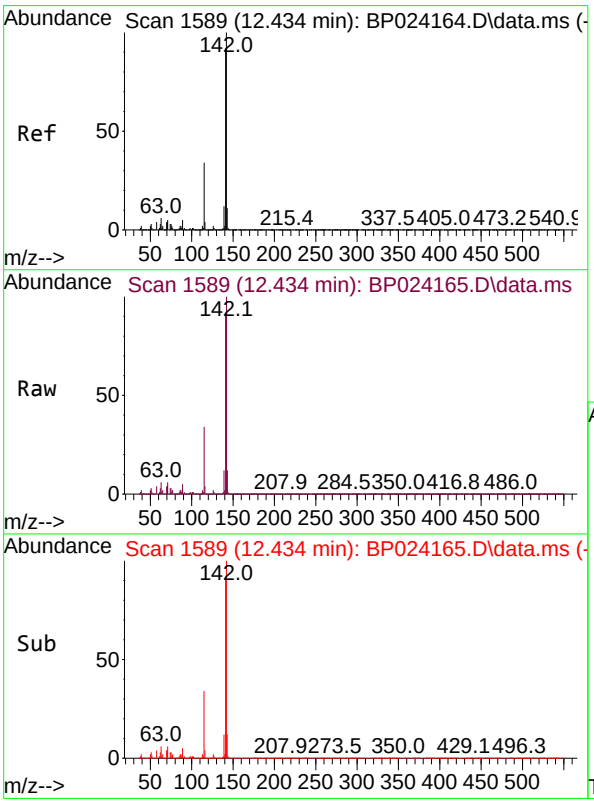

#37
2-Methylnaphthalene
Concen: 51.131 ng
RT: 12.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:142 Resp: 2749915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.3 | 70.3 | 105.5 |
| 115 | 32.4 | 26.0 | 39.0 |

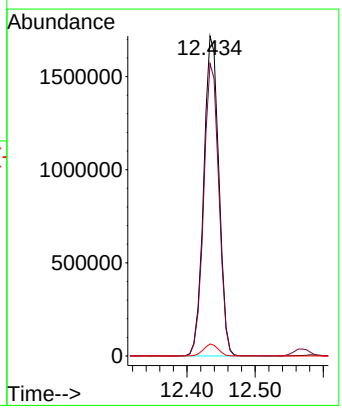


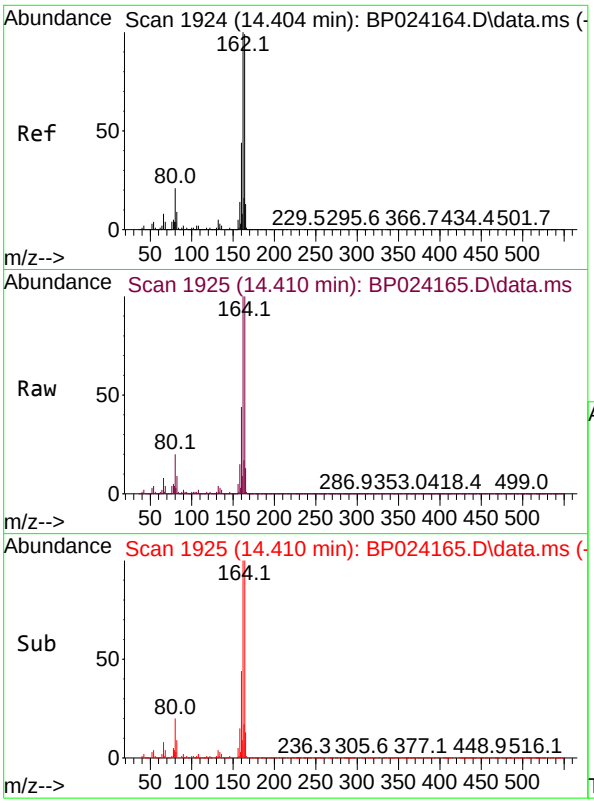




#38
1-Methylnaphthalene
Concen: 50.600 ng
RT: 12.434 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:142 Resp: 2647375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.4 | 73.9 | 110.9 |
| 116 | 3.7 | 2.8 | 4.2 |



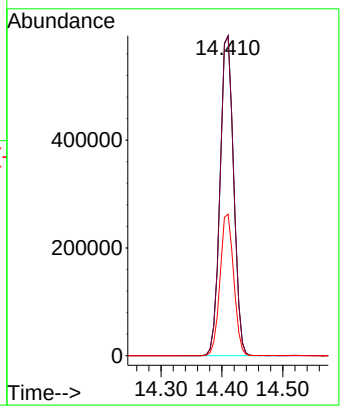


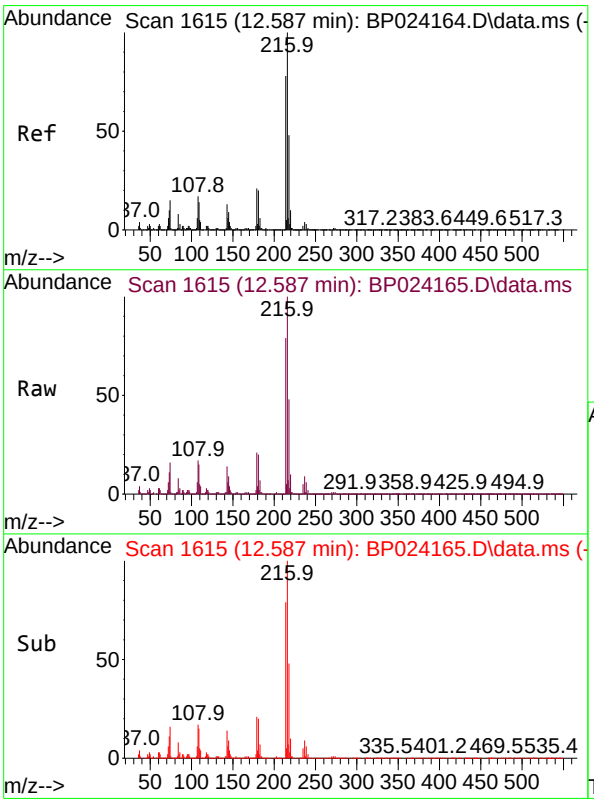

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:164 Resp: 918204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.9 | 80.6 | 121.0 |
| 160 | 44.2 | 35.4 | 53.2 |

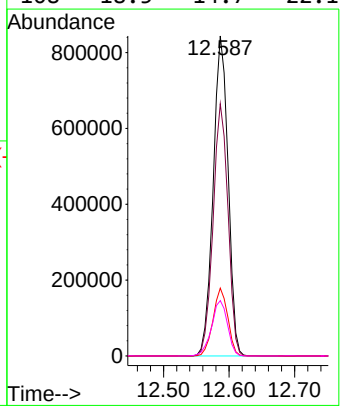


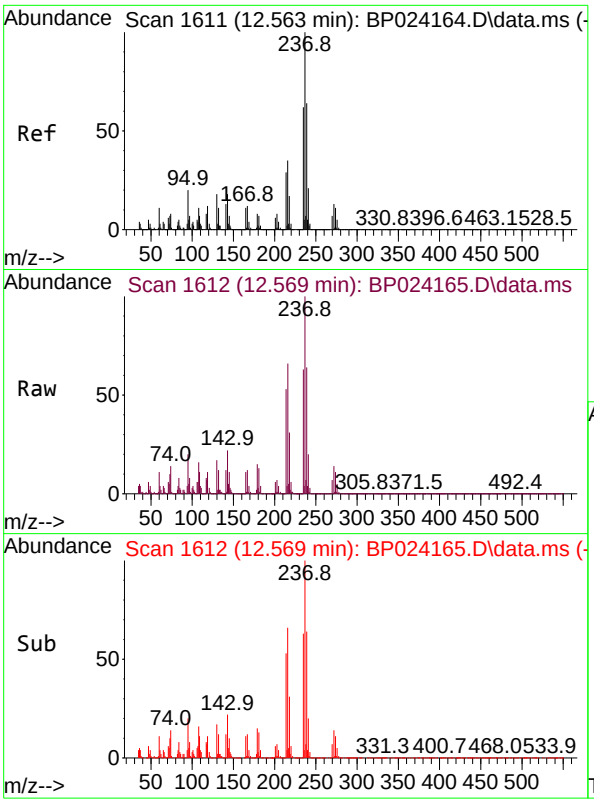




#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.188 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:216 Resp: 1331287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.5 | 62.8 | 94.2 |
| 179 | 20.9 | 16.8 | 25.2 |
| 108 | 18.5 | 14.7 | 22.1 |



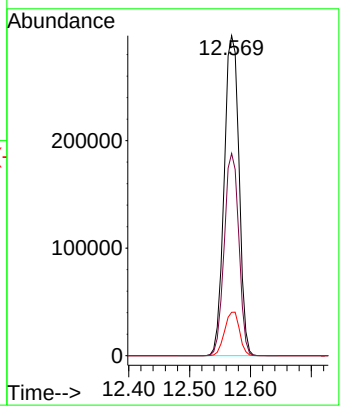


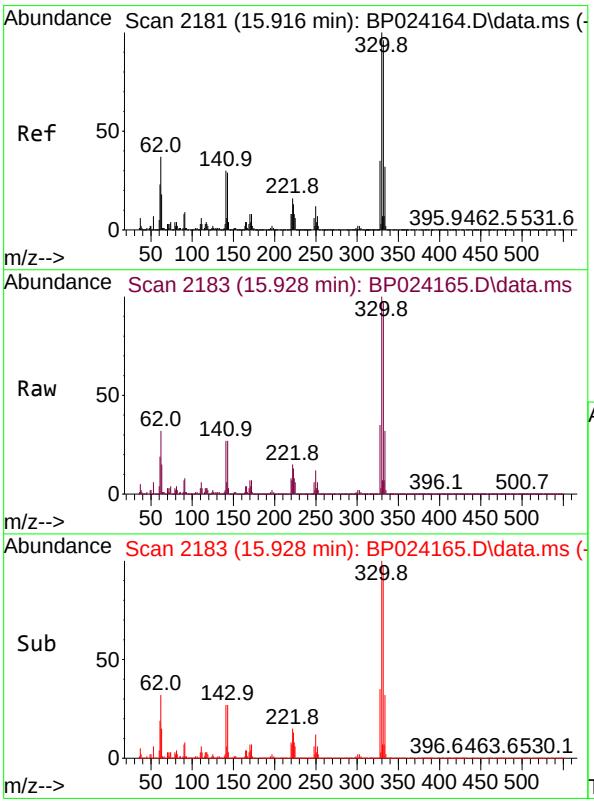

#41
Hexachlorocyclopentadiene
Concen: 47.999 ng
RT: 12.569 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:237 Resp: 503901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.2 | 41.8 | 81.8 |
| 272 | 13.5 | 0.0 | 33.5 |

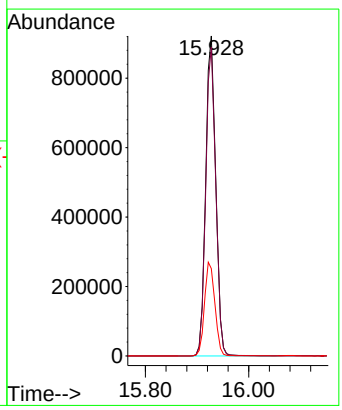


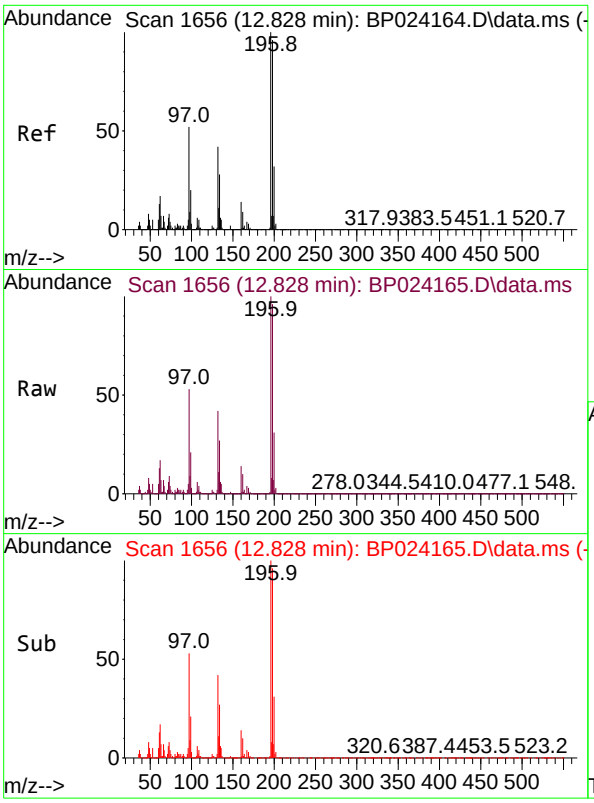




#42
2,4,6-Tribromophenol
Concen: 110.267 ng
RT: 15.928 min Scan# 2183
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:330 Resp: 1240173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.7 | 77.6 | 116.4 |
| 141 | 30.3 | 25.0 | 37.6 |



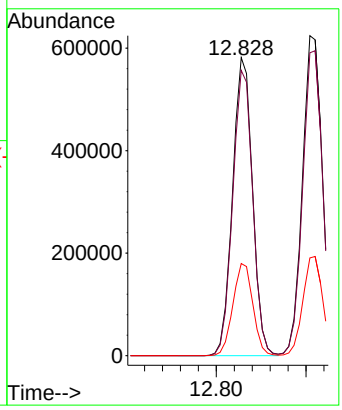


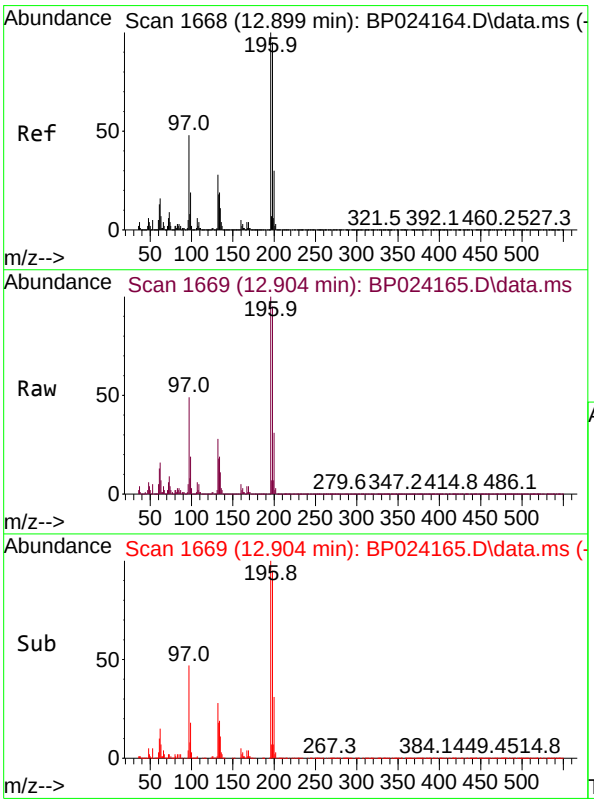

#43
2,4,6-Trichlorophenol
Concen: 52.112 ng
RT: 12.828 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:196 Resp: 896606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.7 | 76.6 | 115.0 |
| 200 | 30.9 | 25.4 | 38.0 |

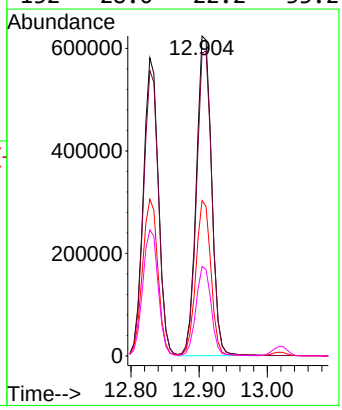


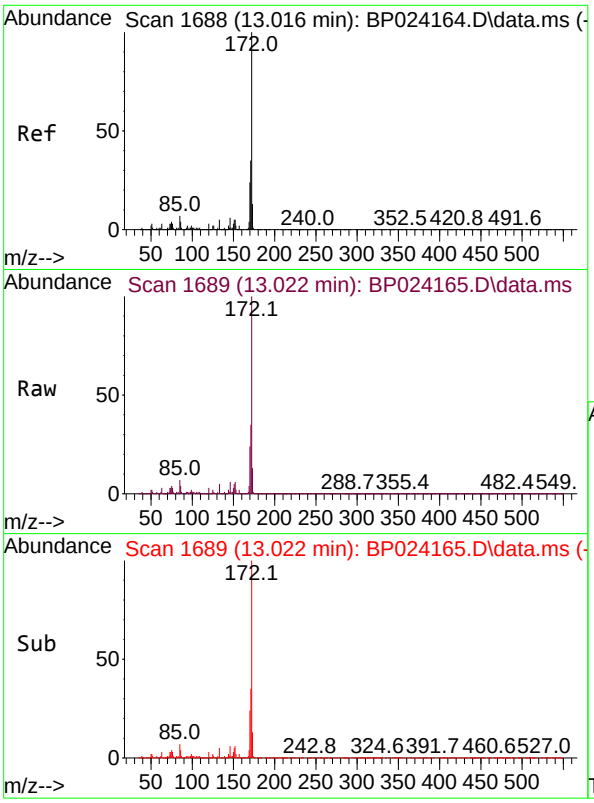




#44
2,4,5-Trichlorophenol
Concen: 51.517 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:196 Resp: 969372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.7 | 76.5 | 114.7 |
| 97 | 48.5 | 38.7 | 58.1 |
| 132 | 28.0 | 22.2 | 33.2 |



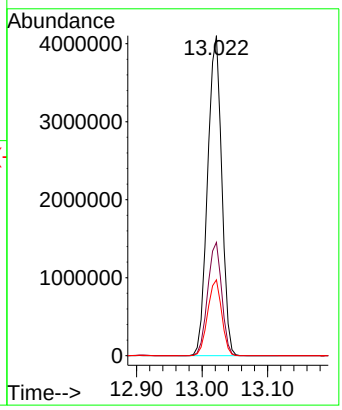


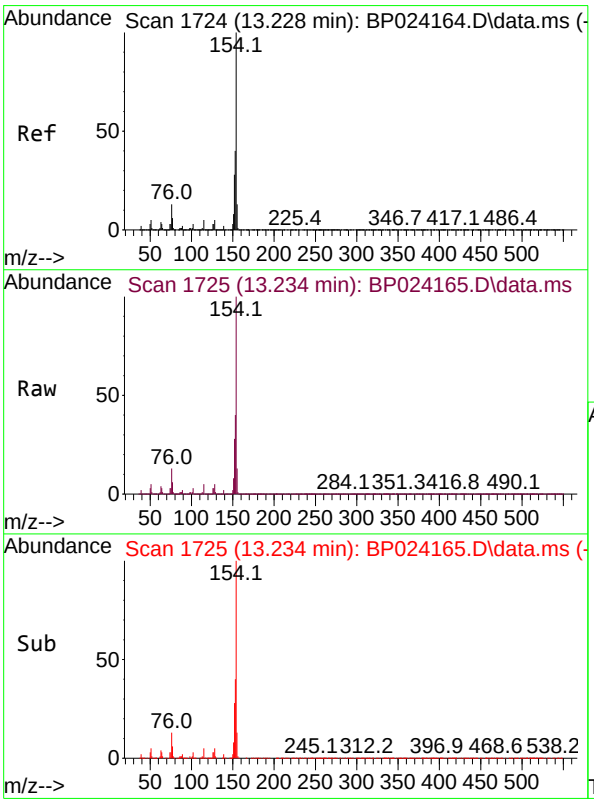

#45
2-Fluorobiphenyl
Concen: 93.318 ng
RT: 13.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:172 Resp: 6129086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 28.3 | 42.5 |
| 170 | 23.7 | 19.0 | 28.4 |

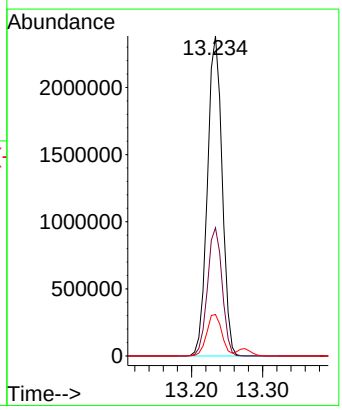


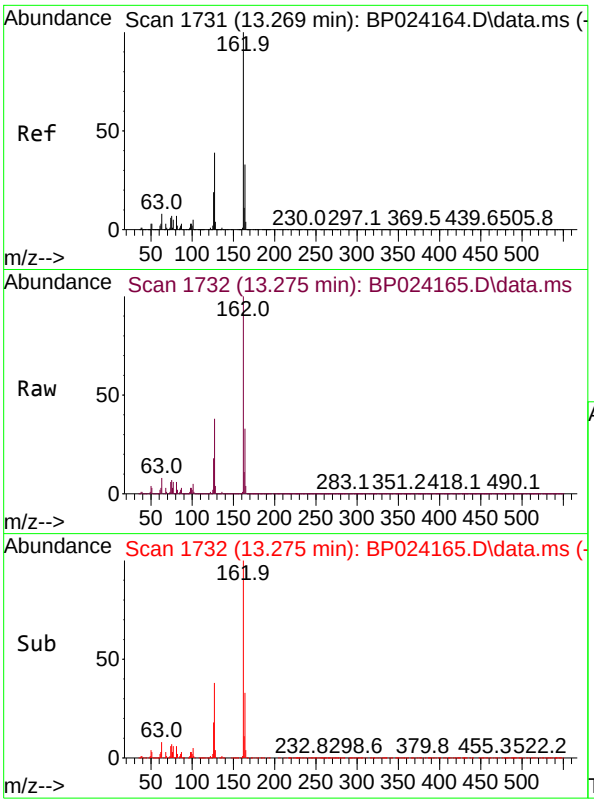




#46
1,1'-Biphenyl
Concen: 48.043 ng
RT: 13.234 min Scan# 1725
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:154 Resp: 3427883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.0 | 20.3 | 60.3 |
| 76 | 12.9 | 0.0 | 32.9 |



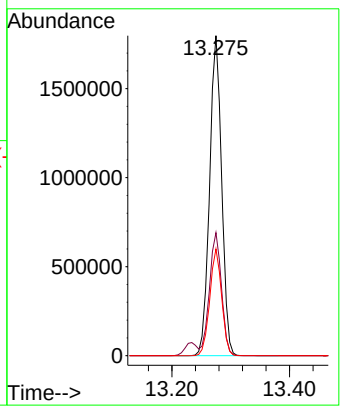


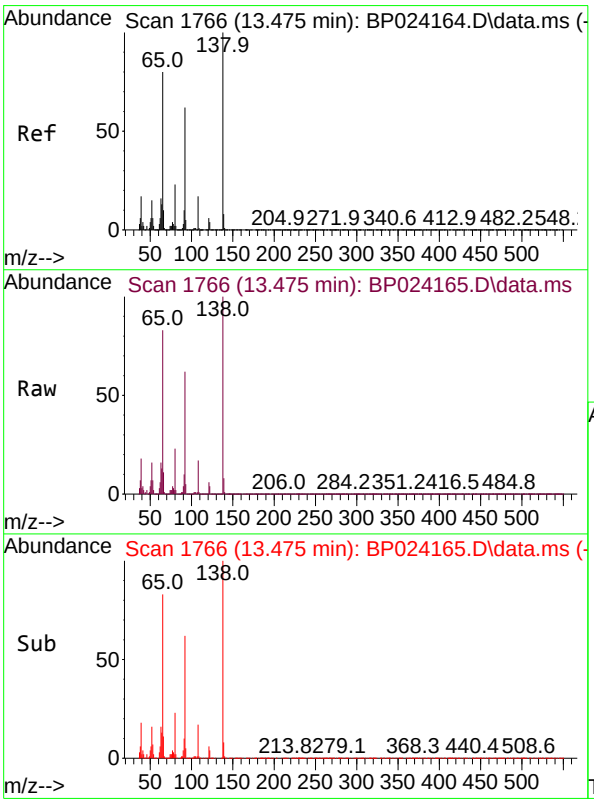

#47
2-Chloronaphthalene
Concen: 47.446 ng
RT: 13.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:162 Resp: 2559098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 38.4 | 31.5 | 47.3 |
| 164 | 33.3 | 26.6 | 39.8 |

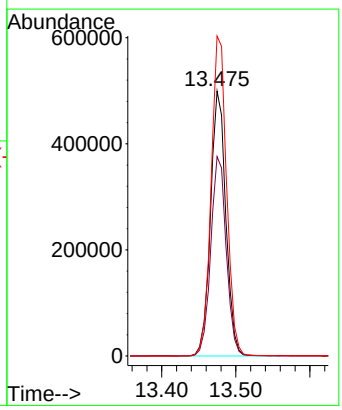


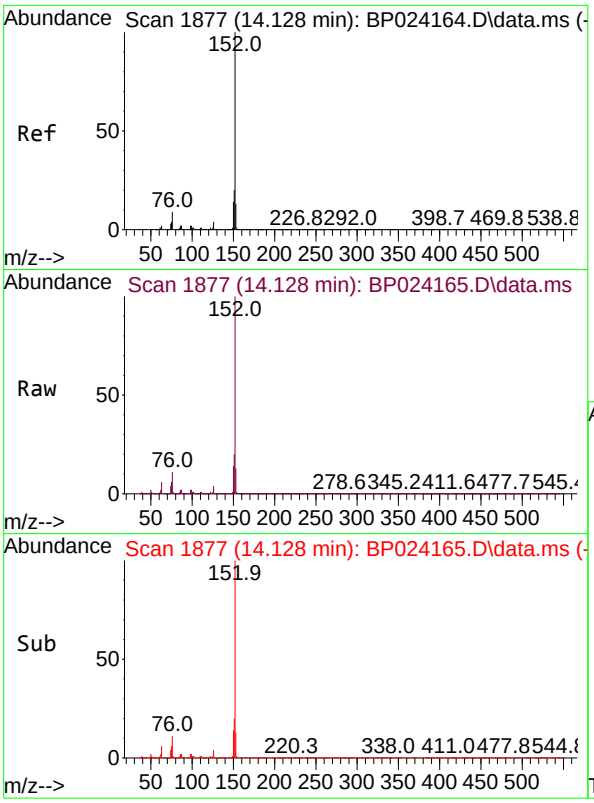




#48
2-Nitroaniline
Concen: 56.066 ng
RT: 13.475 min Scan# 1766
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion: 65 Resp: 714343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 75.3 | 62.1 | 93.1 |
| 138 | 120.9 | 99.5 | 149.3 |



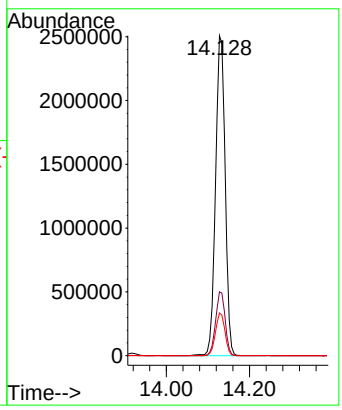


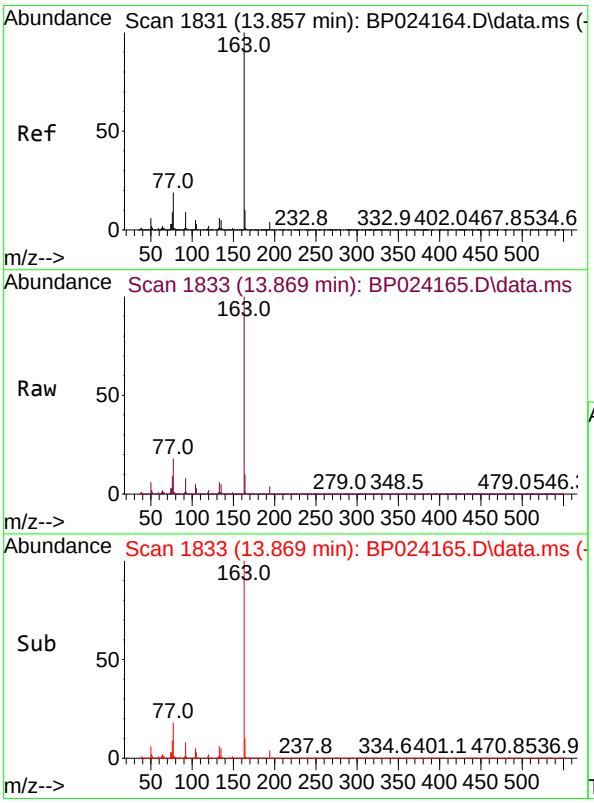

#49
Acenaphthylene
Concen: 50.533 ng
RT: 14.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:152 Resp: 4015684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.9 | 16.0 | 24.0 |
| 153 | 13.3 | 10.6 | 15.8 |

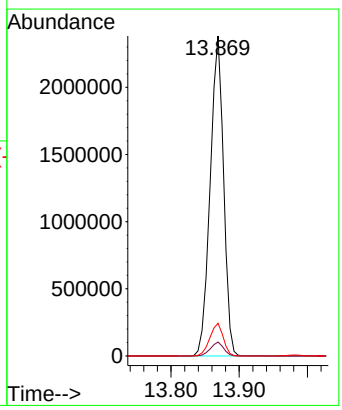


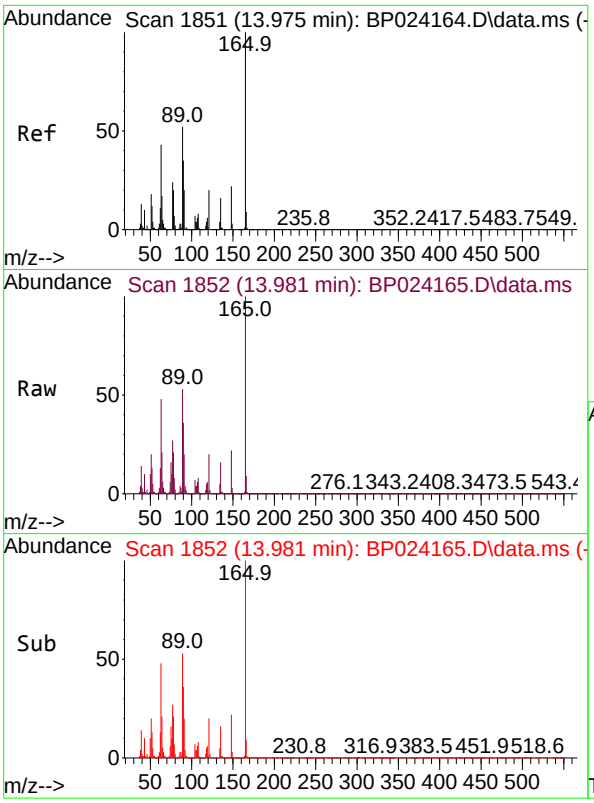




#50
Dimethylphthalate
Concen: 50.224 ng
RT: 13.869 min Scan# 1833
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:163 Resp: 3252950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.4 | 3.4 | 5.0 |
| 164 | 10.2 | 8.2 | 12.4 |



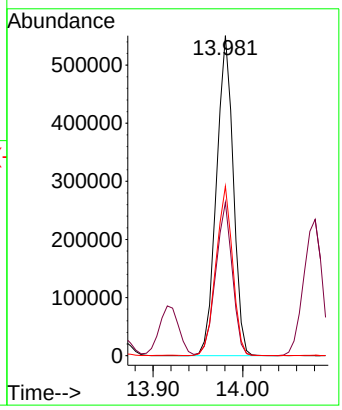


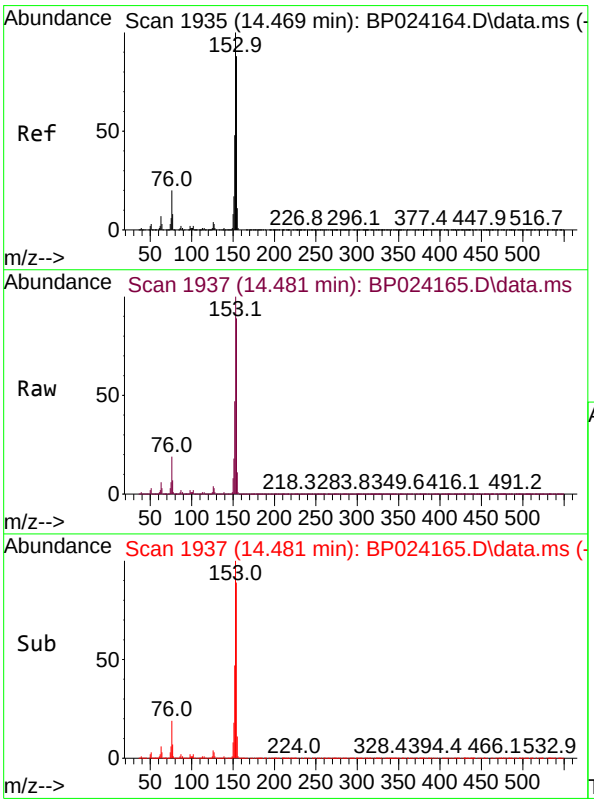

#51
2,6-Dinitrotoluene
Concen: 54.206 ng
RT: 13.981 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:165 Resp: 715171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 47.9 | 37.7 | 56.5 |
| 89 | 53.0 | 41.9 | 62.9 |

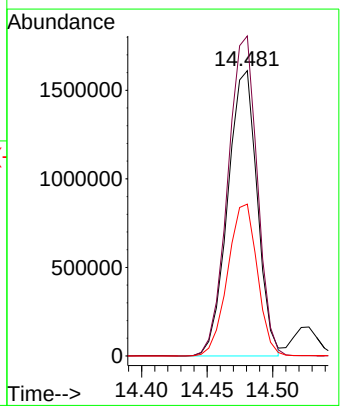


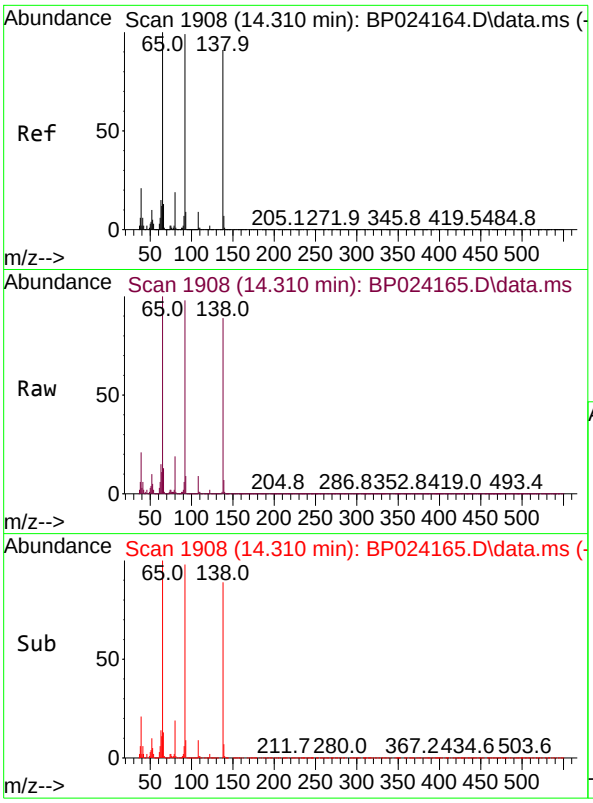




#52
Acenaphthene
Concen: 49.182 ng
RT: 14.481 min Scan# 1937
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:154 Resp: 2516832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.2 | 90.5 | 135.7 |
| 152 | 53.2 | 43.1 | 64.7 |



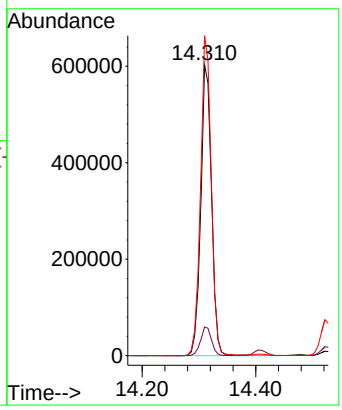


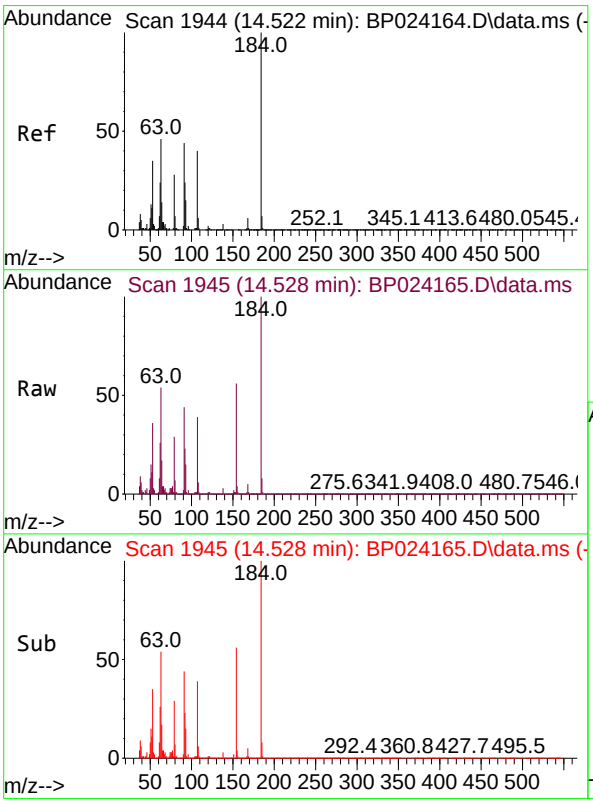

#53
3-Nitroaniline
Concen: 56.128 ng
RT: 14.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:138 Resp: 790217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 9.9 | 8.2 | 12.2 |
| 92 | 110.1 | 86.7 | 130.1 |

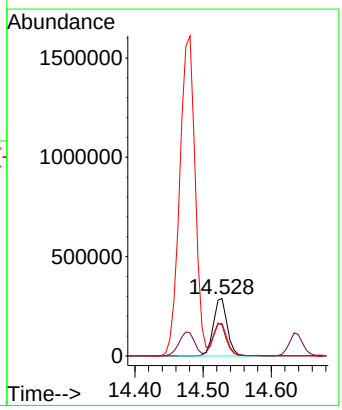


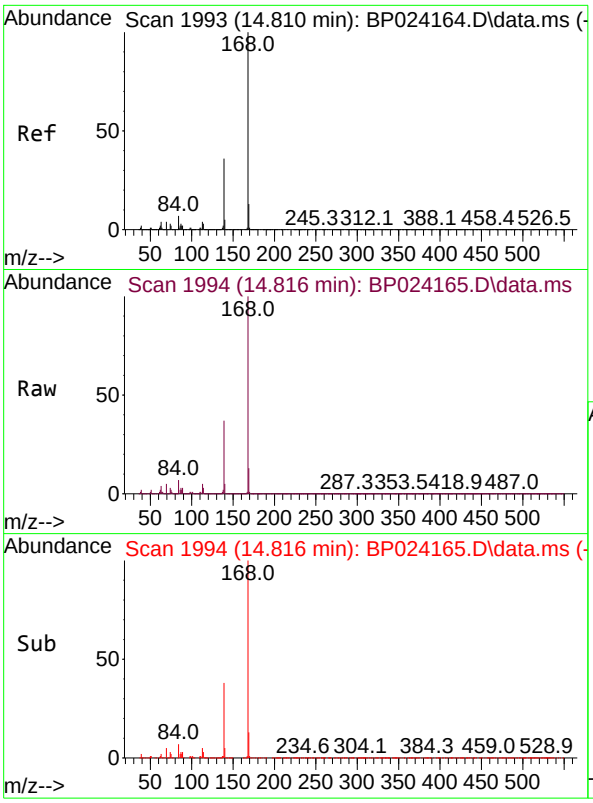




#54
2,4-Dinitrophenol
Concen: 58.439 ng
RT: 14.528 min Scan# 1945
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:184 Resp: 410616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 53.9 | 42.1 | 63.1 |
| 154 | 56.4 | 44.6 | 67.0 |



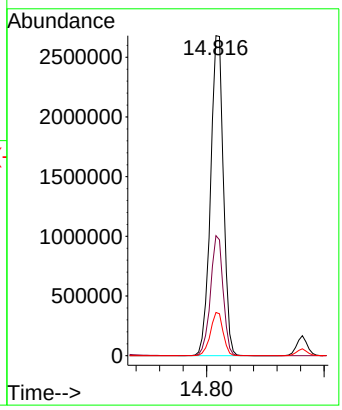


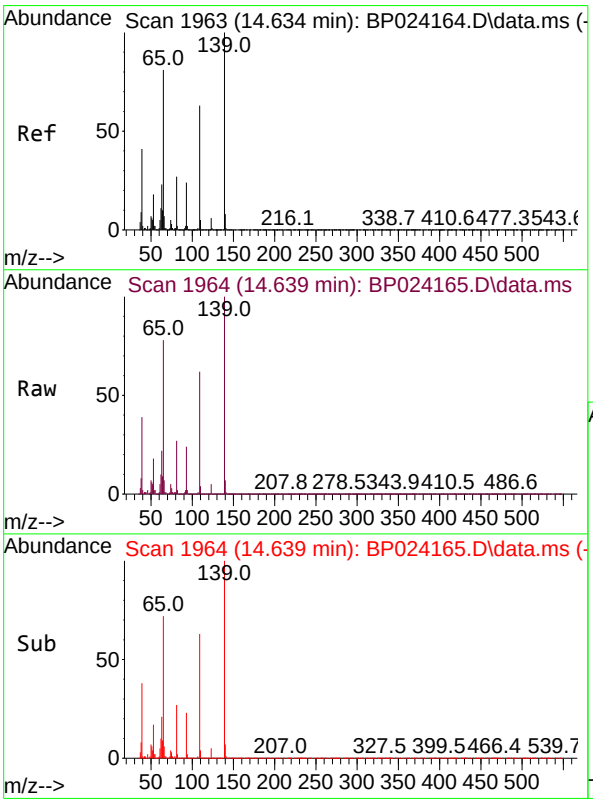

#55
Dibenzofuran
Concen: 48.816 ng
RT: 14.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:168 Resp: 4058172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.5 | 29.1 | 43.7 |
| 169 | 13.5 | 10.8 | 16.2 |

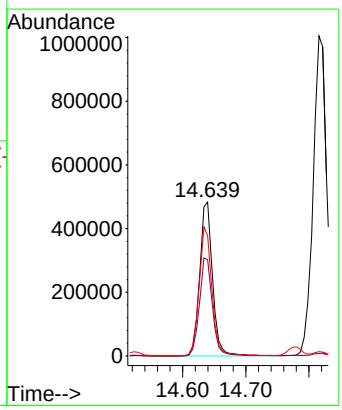


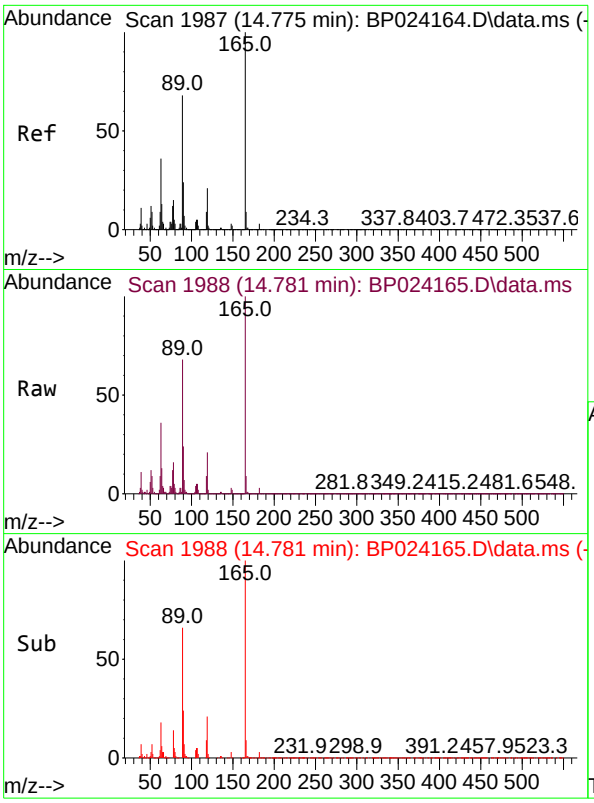




#56
4-Nitrophenol
Concen: 56.382 ng
RT: 14.639 min Scan# 1964
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:139 Resp: 685687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 62.5 | 43.3 | 83.3 |
| 65 | 78.1 | 61.2 | 101.2 |



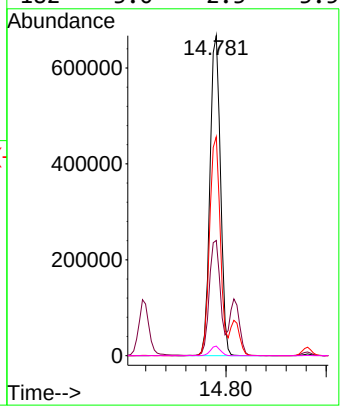


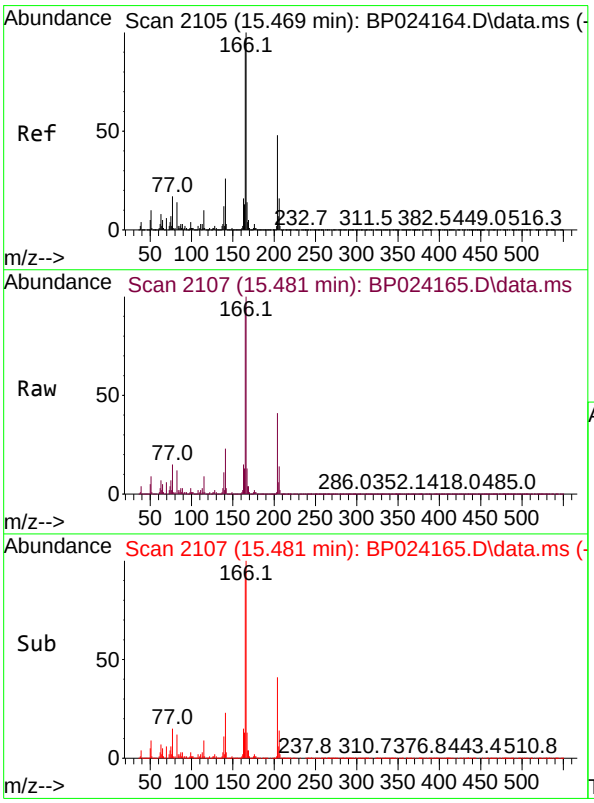

#57
2,4-Dinitrotoluene
Concen: 56.659 ng
RT: 14.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:165 Resp: 971087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 36.0 | 29.0 | 43.6 |
| 89 | 68.4 | 54.2 | 81.4 |
| 182 | 3.0 | 2.3 | 3.5 |

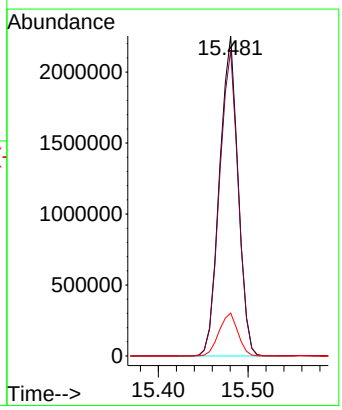


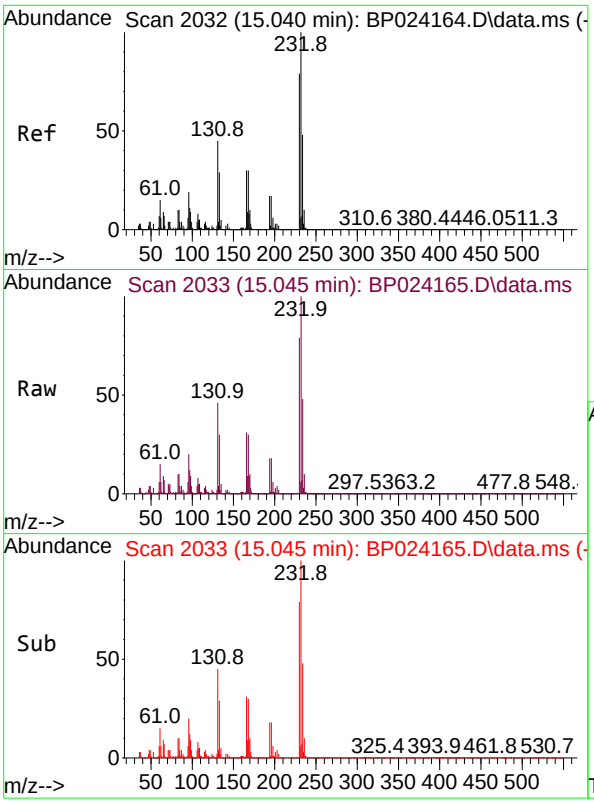




#58
Fluorene
Concen: 49.759 ng
RT: 15.481 min Scan# 2107
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:166 Resp: 3230571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 95.5 | 77.6 | 116.4 |
| 167 | 13.4 | 10.8 | 16.2 |



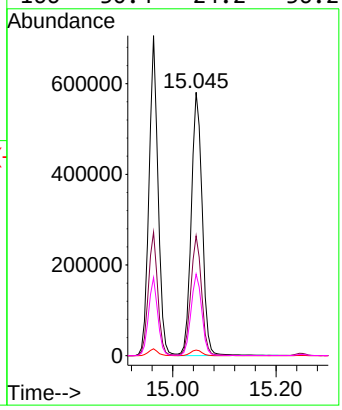


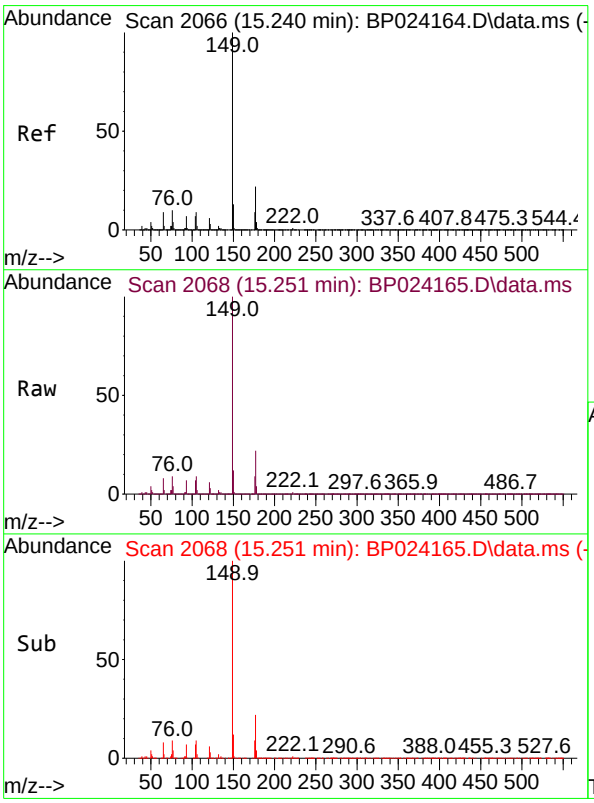

#59
2,3,4,6-Tetrachlorophenol
Concen: 52.152 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:232 Resp: 851401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 44.9 | 35.9 | 53.9 |
| 130 | 2.2 | 1.8 | 2.6 |
| 166 | 30.4 | 24.2 | 36.2 |

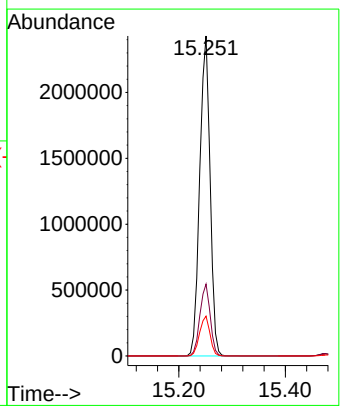


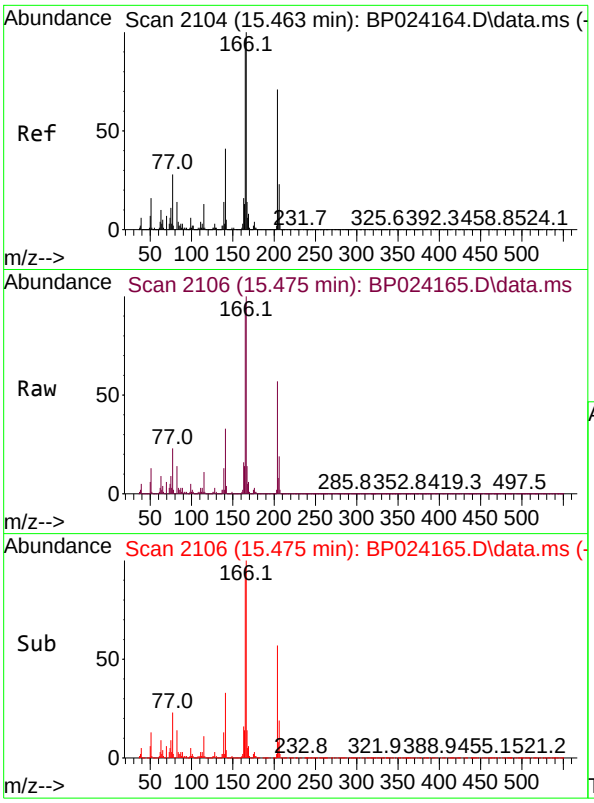




#60
Diethylphthalate
Concen: 50.786 ng
RT: 15.251 min Scan# 2068
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:149 Resp: 3265289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.5 | 17.7 | 26.5 |
| 150 | 12.5 | 10.2 | 15.4 |



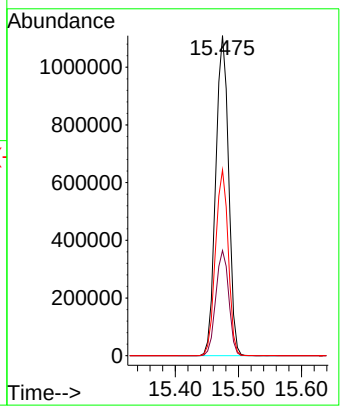


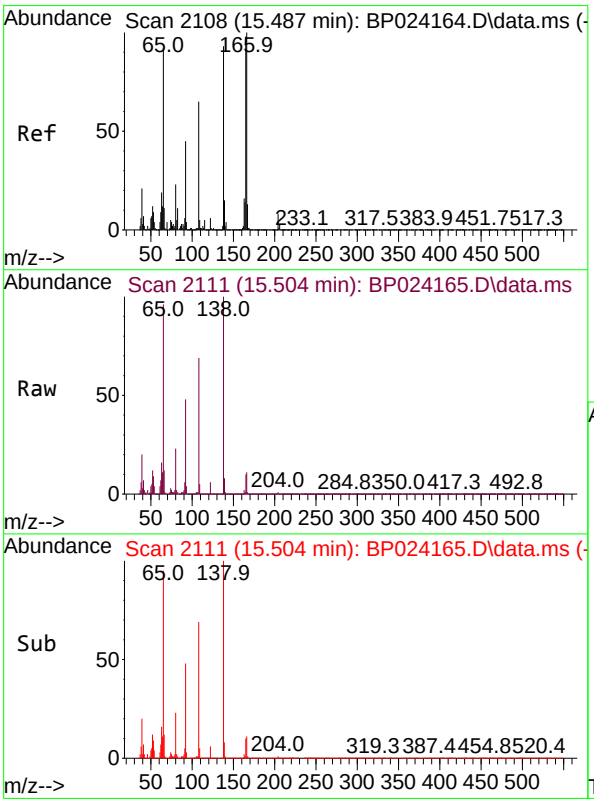

#61
4-Chlorophenyl-phenylether
Concen: 49.216 ng
RT: 15.475 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:204 Resp: 1572773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.9 | 26.4 | 39.6 |
| 141 | 58.0 | 45.8 | 68.8 |

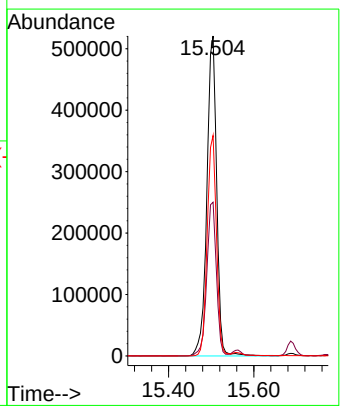


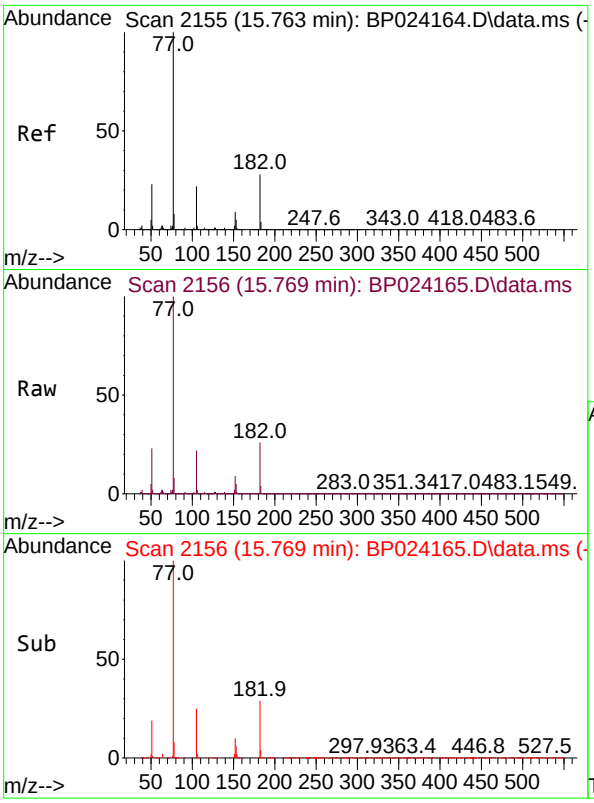




#62
4-Nitroaniline
Concen: 56.889 ng
RT: 15.504 min Scan# 2111
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:138 Resp: 831169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 48.1 | 28.7 | 68.7 |
| 108 | 68.9 | 49.5 | 89.5 |



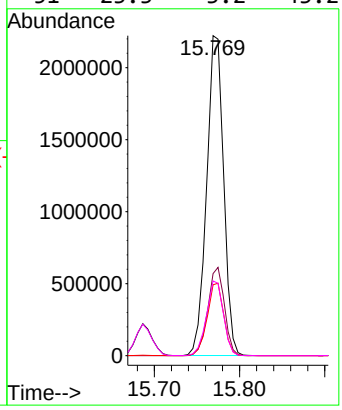


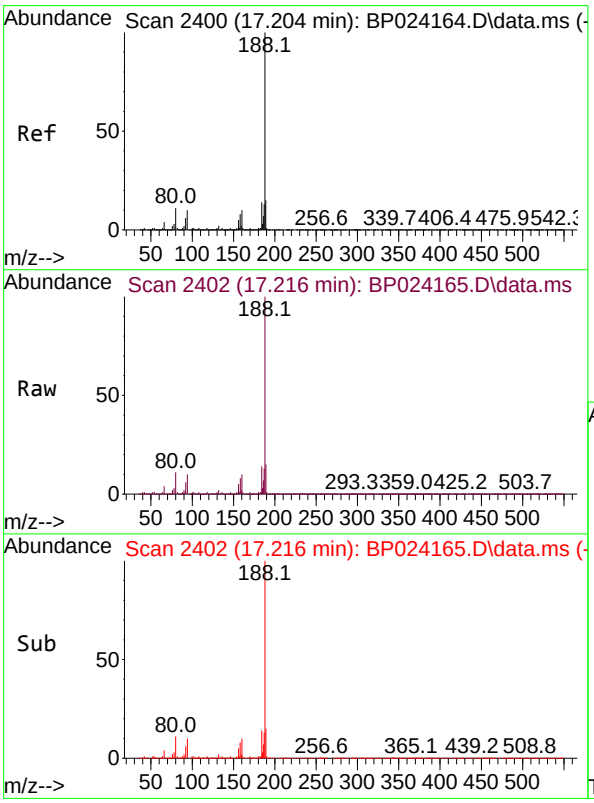

#63
Azobenzene
Concen: 51.085 ng
RT: 15.769 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion: 77 Resp: 3077821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.6 | 7.7 | 47.7 |
| 105 | 22.2 | 2.3 | 42.3 |
| 51 | 23.3 | 3.2 | 43.2 |

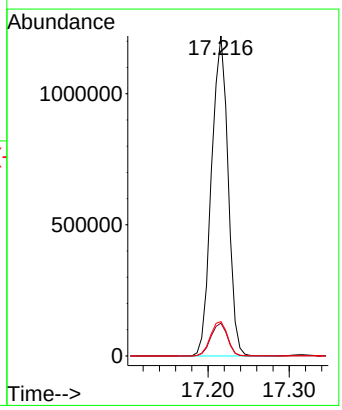


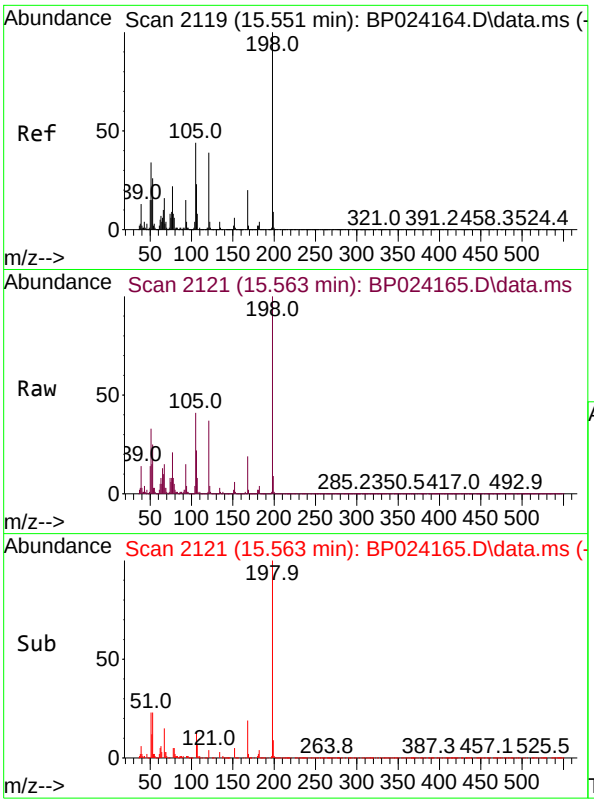




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2402
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:188 Resp: 1730200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.2 | 8.1 | 12.1 |
| 80 | 10.8 | 8.9 | 13.3 |



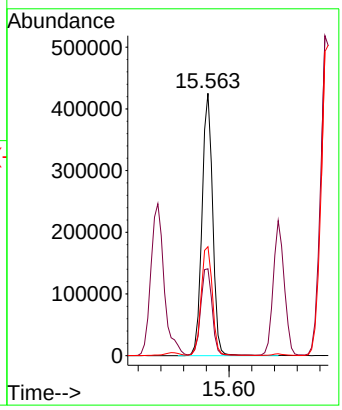


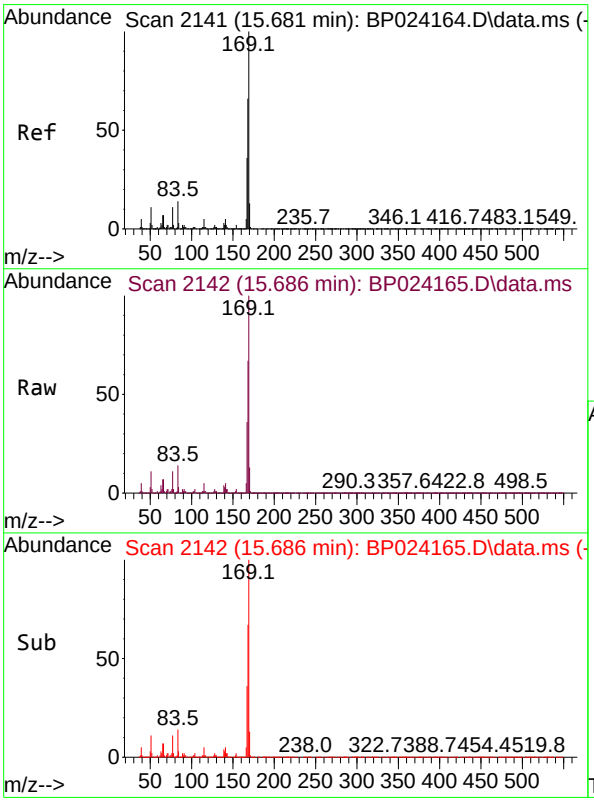

#65
4,6-Dinitro-2-methylphenol
Concen: 55.051 ng
RT: 15.563 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:198 Resp: 551280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 33.1 | 14.7 | 54.7 |
| 105 | 41.5 | 23.8 | 63.8 |

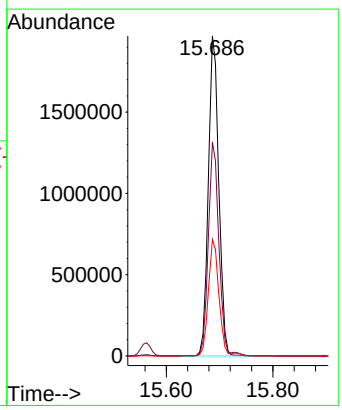


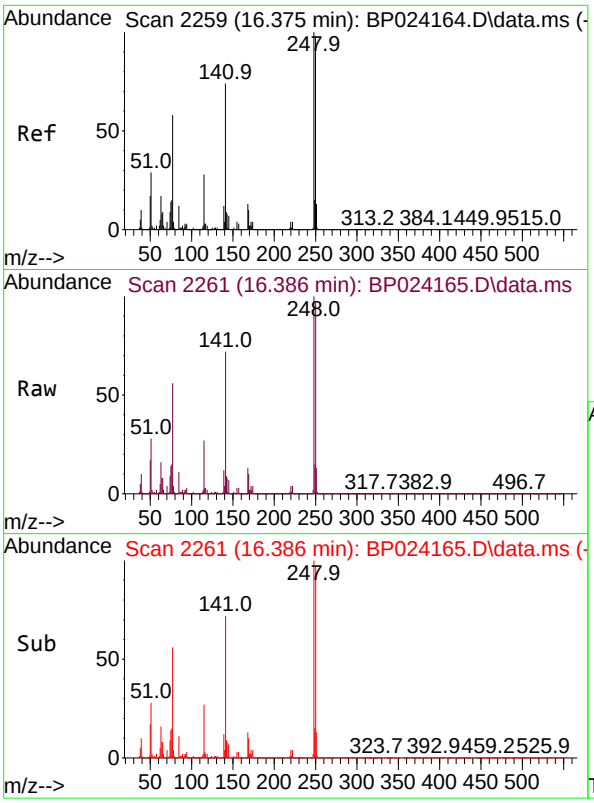




#66
n-Nitrosodiphenylamine
Concen: 49.497 ng
RT: 15.686 min Scan# 2142
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:169 Resp: 2670636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.9 | 52.9 | 79.3 |
| 167 | 36.4 | 28.8 | 43.2 |



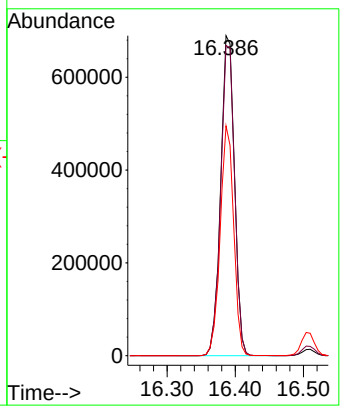


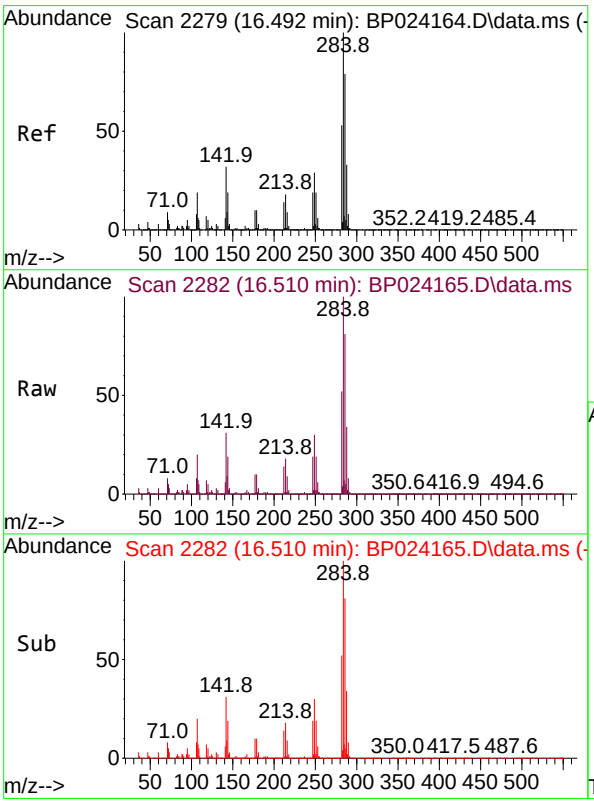

#67
4-Bromophenyl-phenylether
Concen: 49.858 ng
RT: 16.386 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:248 Resp: 968698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.0 | 78.4 | 117.6 |
| 141 | 71.8 | 59.4 | 89.0 |

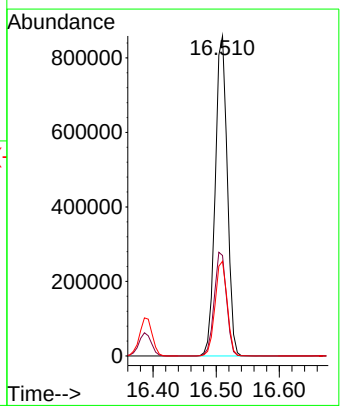


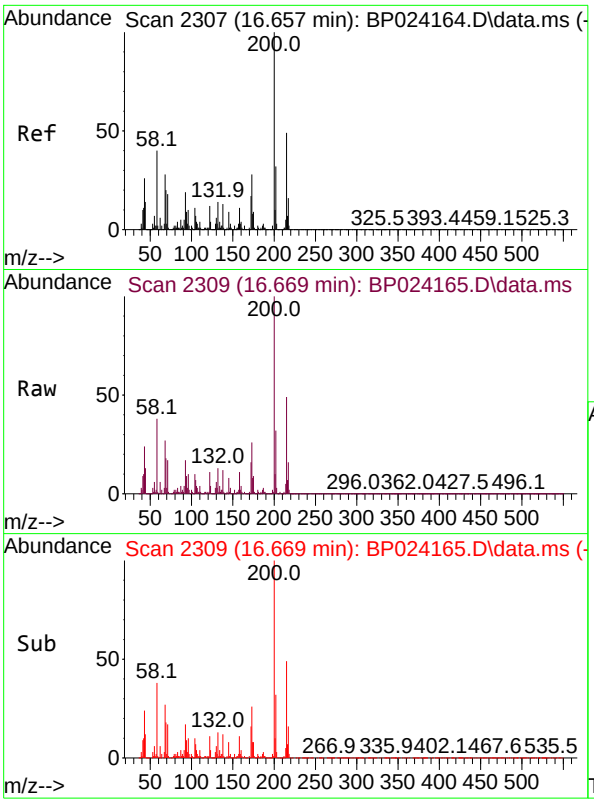




#68
Hexachlorobenzene
Concen: 49.709 ng
RT: 16.510 min Scan# 2282
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:284 Resp: 1136445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.4 | 25.4 | 38.2 |
| 249 | 29.6 | 23.5 | 35.3 |



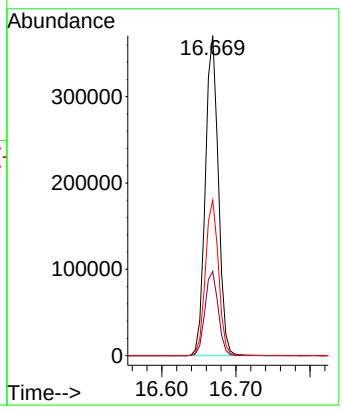


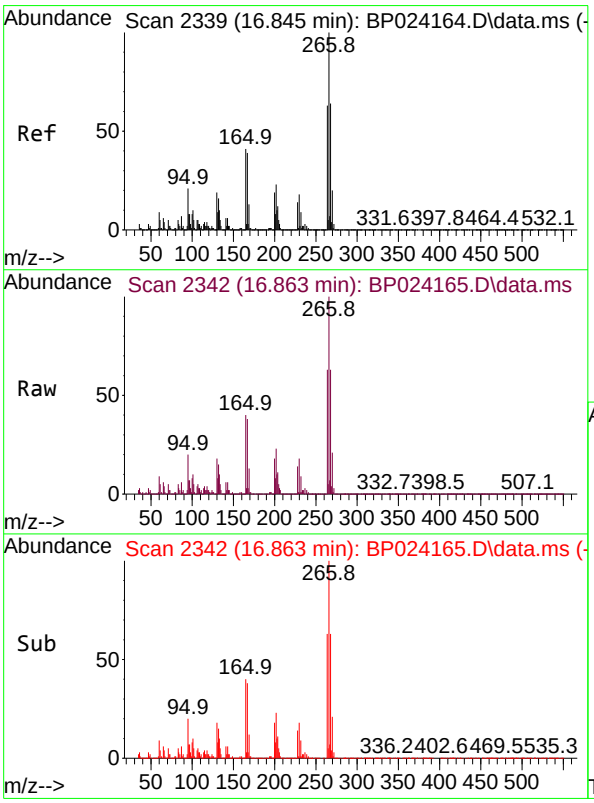

#69
Atrazine
Concen: 32.672 ng
RT: 16.669 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:200 Resp: 452391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.3 | 7.6 | 47.6 |
| 215 | 48.6 | 29.0 | 69.0 |

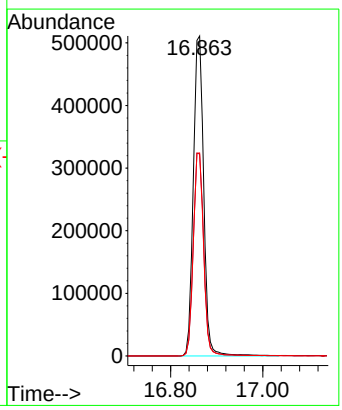


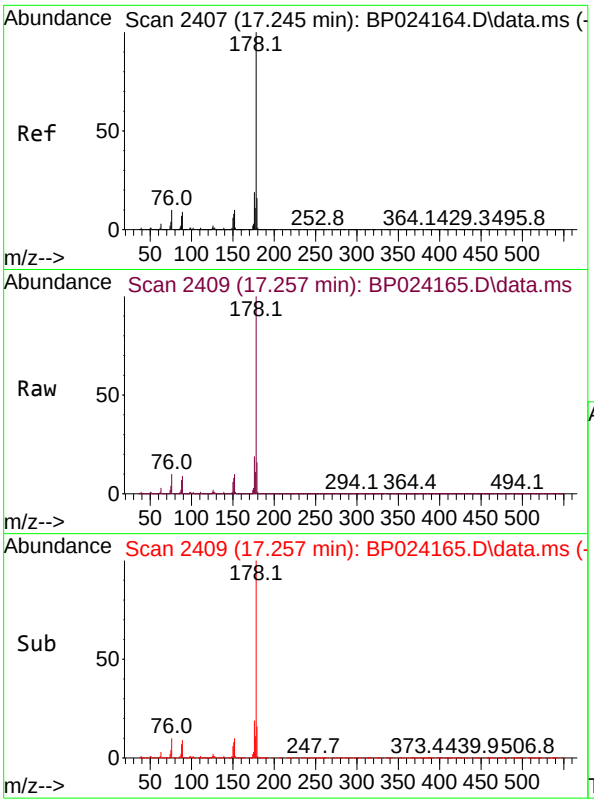




#70
Pentachlorophenol
Concen: 53.644 ng
RT: 16.863 min Scan# 2342
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:266 Resp: 796545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.1 | 51.3 | 76.9 |
| 264 | 63.4 | 50.6 | 76.0 |



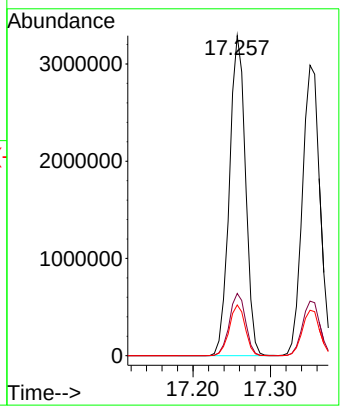


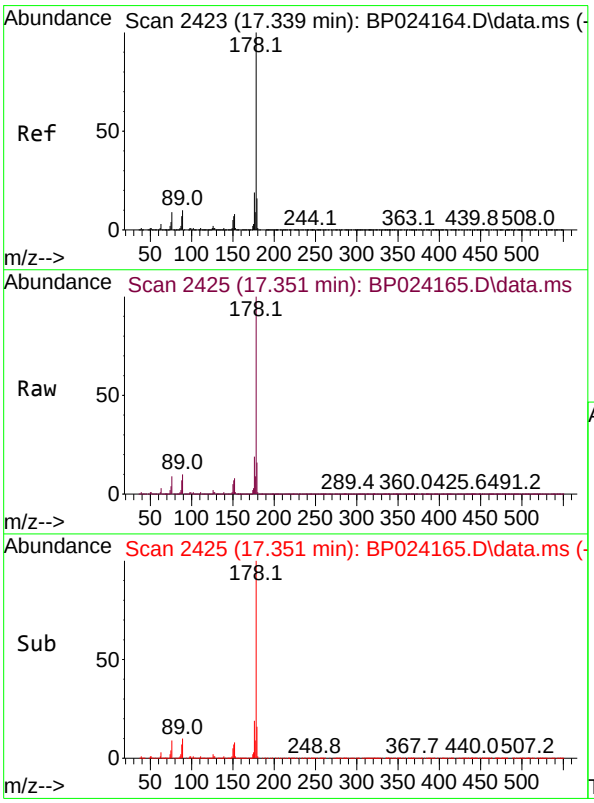

#71
Phenanthrene
Concen: 48.797 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:178 Resp: 4759945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 15.6 | 23.4 |
| 179 | 15.8 | 12.5 | 18.7 |

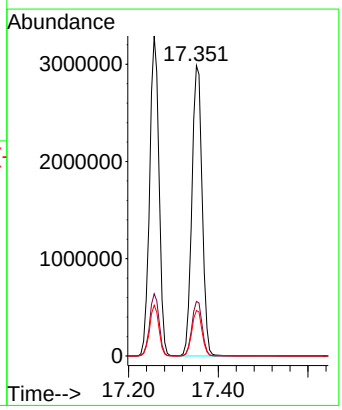


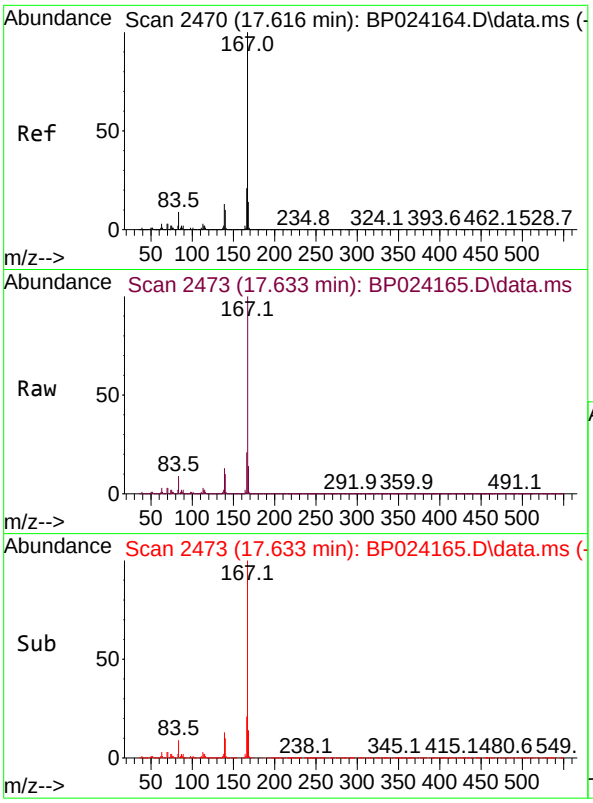




#72
Anthracene
Concen: 50.526 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:178 Resp: 4723119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.2 | 22.8 |
| 179 | 15.6 | 12.6 | 18.8 |



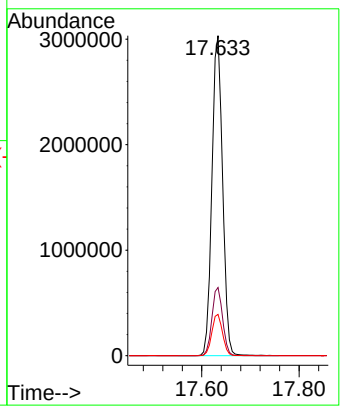


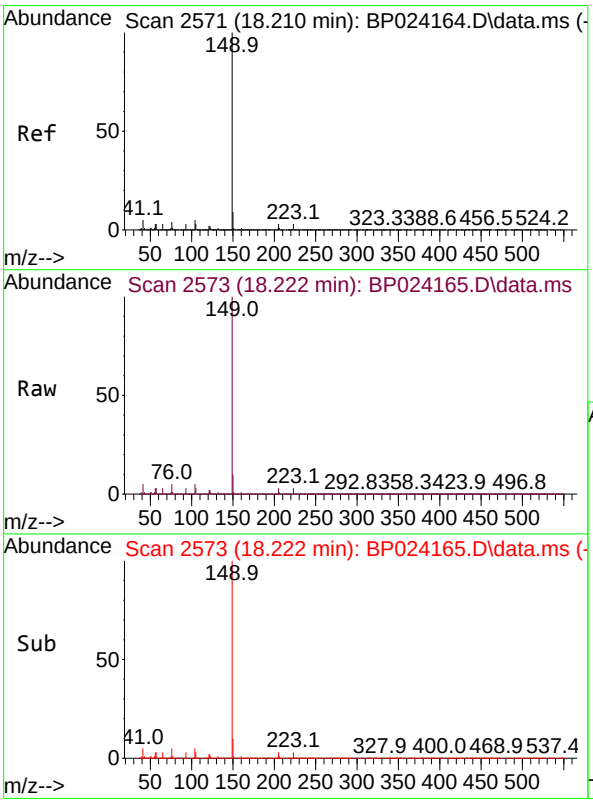

#73
Carbazole
Concen: 51.485 ng
RT: 17.633 min Scan# 24
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:167 Resp: 4585466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.3 | 17.1 | 25.7 |
| 139 | 12.9 | 10.2 | 15.4 |

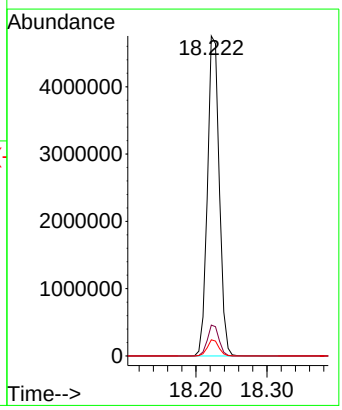


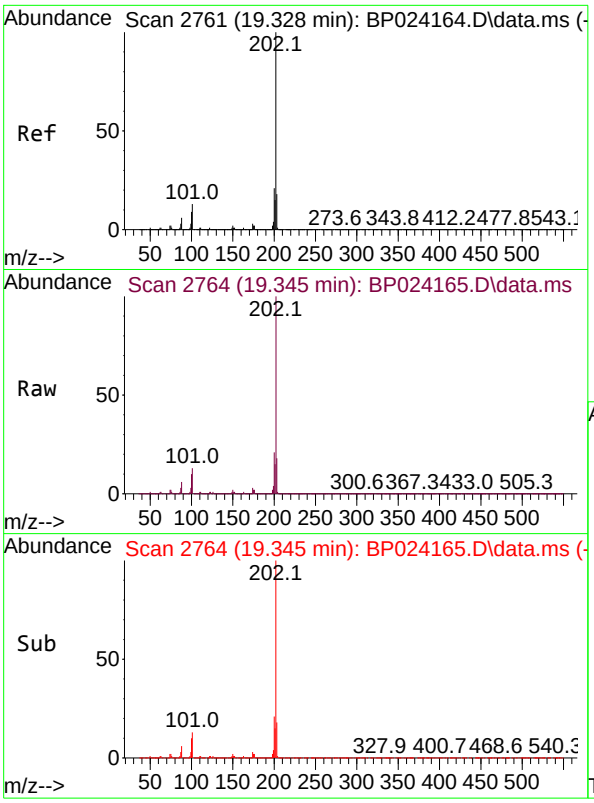




#74
Di-n-butylphthalate
Concen: 52.951 ng
RT: 18.222 min Scan# 2573
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:149 Resp: 5502824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.7 | 7.6 | 11.4 |
| 104 | 5.0 | 3.9 | 5.9 |



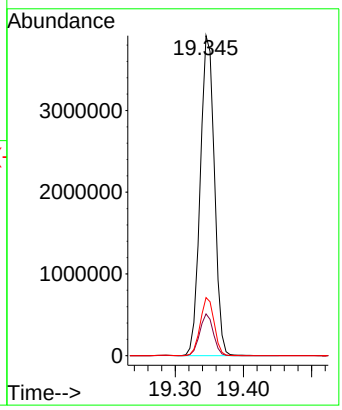


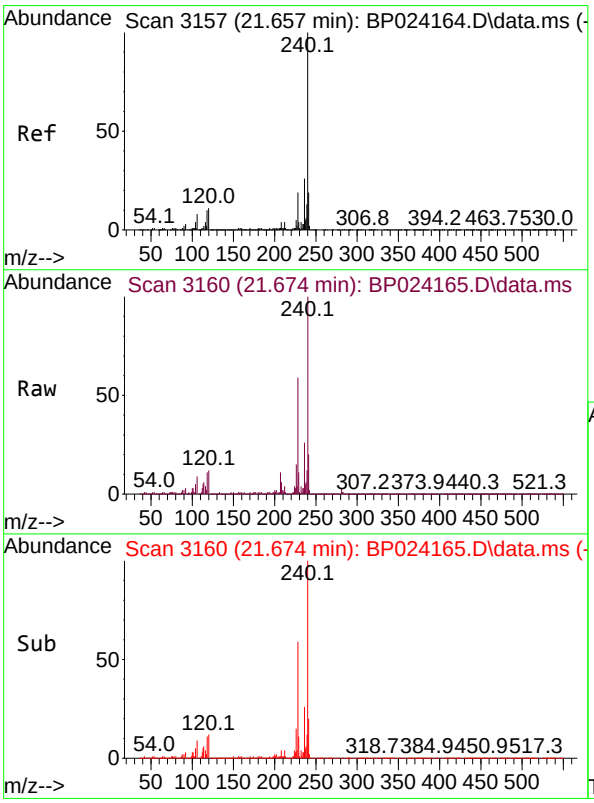

#75
Fluoranthene
Concen: 51.163 ng
RT: 19.345 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:202 Resp: 5644914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.0 | 0.0 | 32.5 |
| 203 | 18.2 | 0.0 | 37.9 |

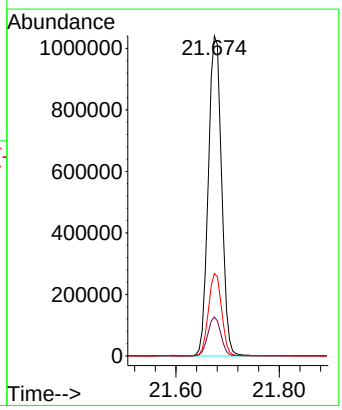


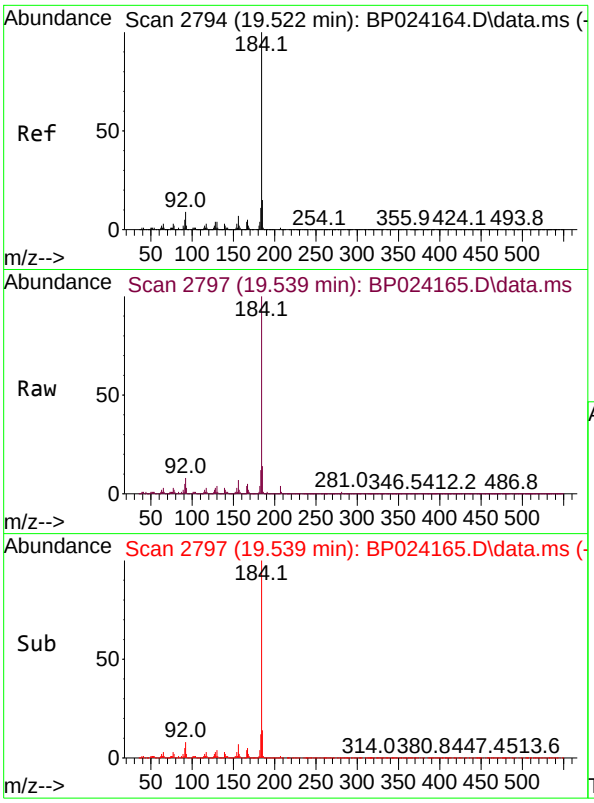




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.674 min Scan# 3160
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:240 Resp: 1856010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.2 | 9.2 | 13.8 |
| 236 | 25.7 | 20.4 | 30.6 |



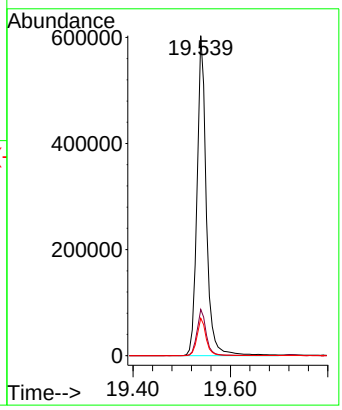


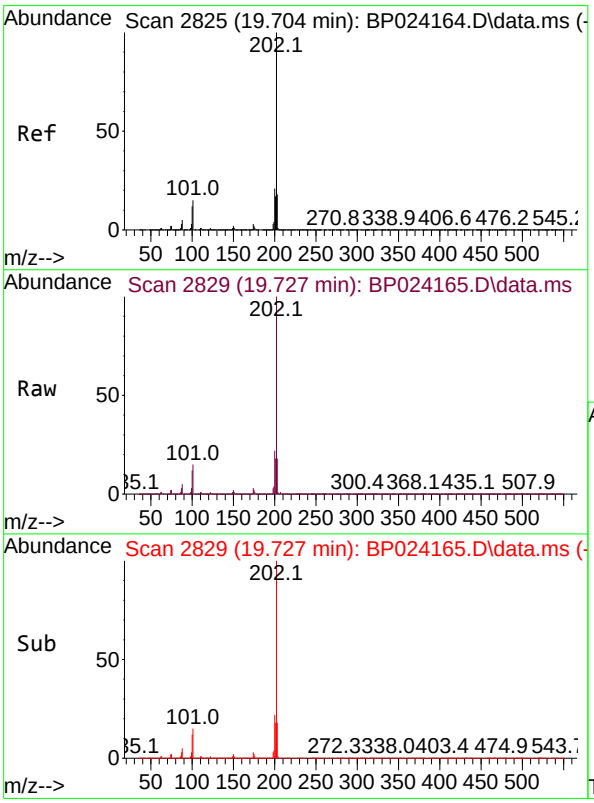

#77
Benzidine
Concen: 35.585 ng
RT: 19.539 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:184 Resp: 804810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.5 | 11.8 | 17.6 |
| 183 | 11.7 | 9.1 | 13.7 |

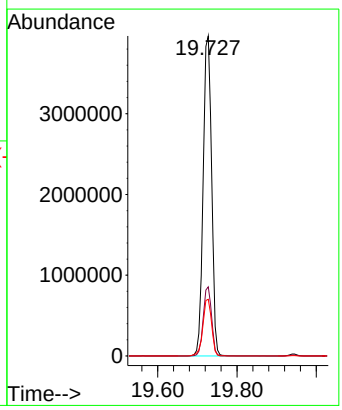


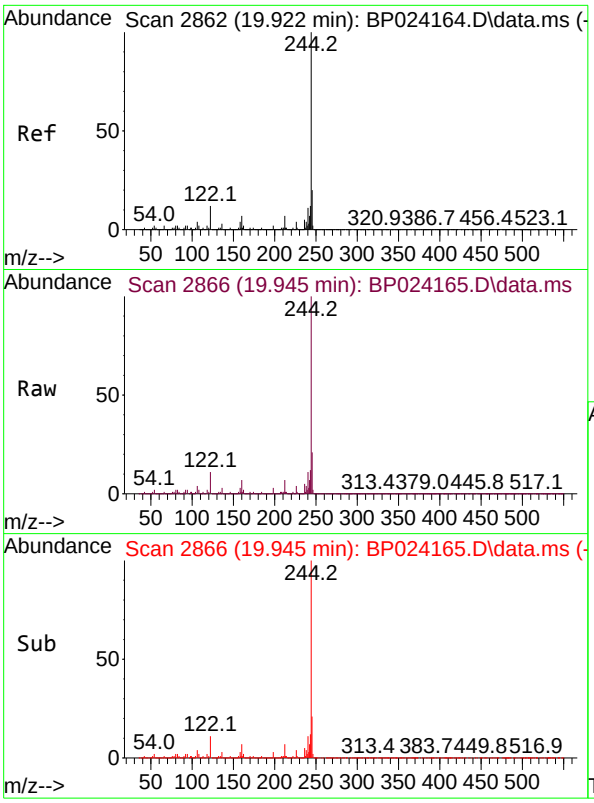




#78
Pyrene
Concen: 49.843 ng
RT: 19.727 min Scan# 2829
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:202 Resp: 5876091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.6 | 17.1 | 25.7 |
| 203 | 17.7 | 14.2 | 21.4 |



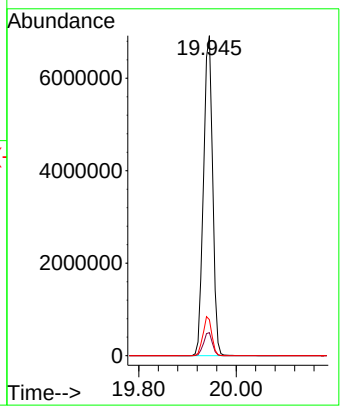


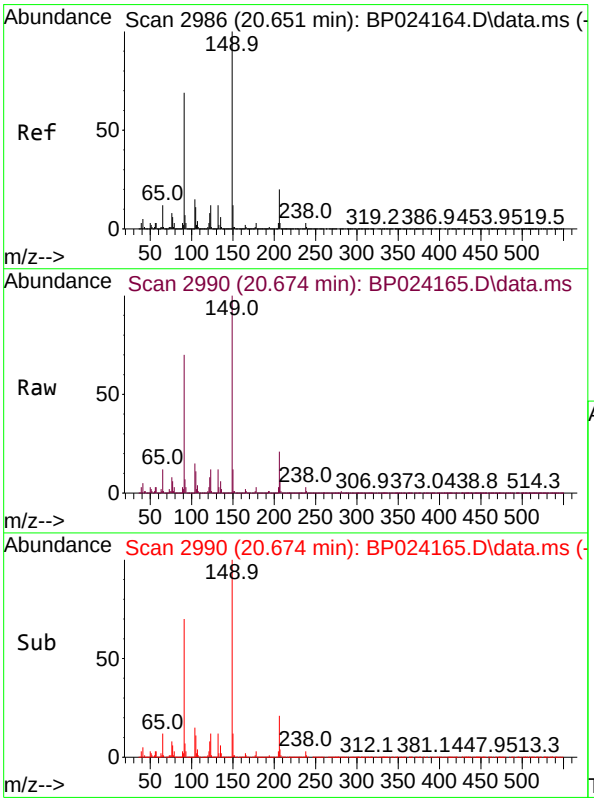

#79
Terphenyl-d14
Concen: 95.606 ng
RT: 19.945 min Scan# 2
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:244 Resp: 8967575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 5.7 | 8.5 |
| 122 | 11.3 | 9.6 | 14.4 |

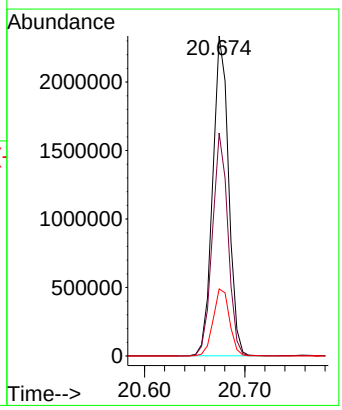


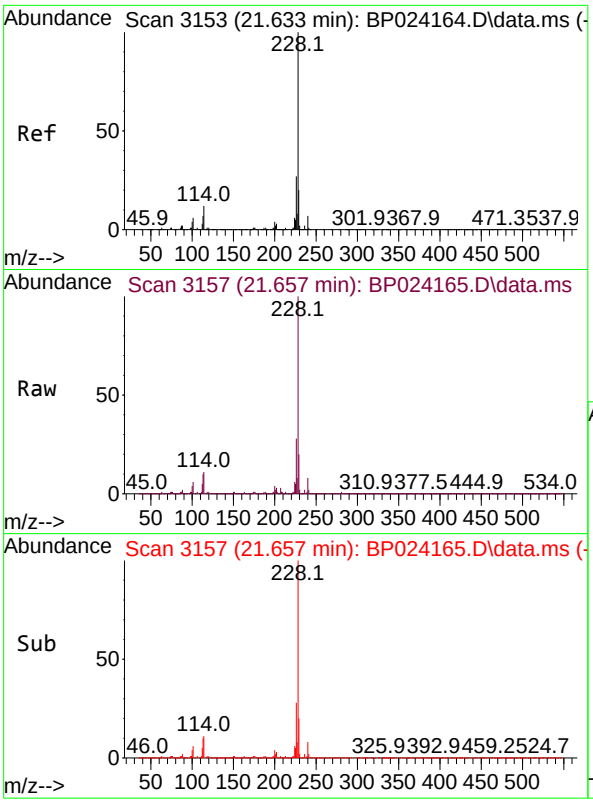




#80
Butylbenzylphthalate
Concen: 56.920 ng
RT: 20.674 min Scan# 2990
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:149 Resp: 2571381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 69.7 | 55.3 | 82.9 |
| 206 | 20.9 | 16.1 | 24.1 |



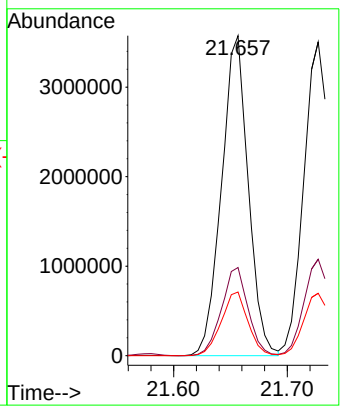


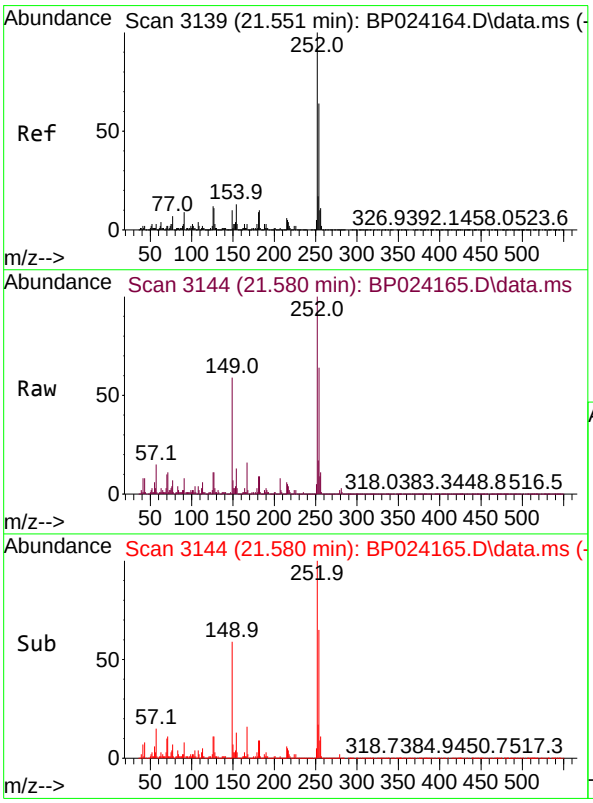

#81
Benzo(a)anthracene
Concen: 50.277 ng
RT: 21.657 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:228 Resp: 5851357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.6 | 21.8 | 32.8 |
| 229 | 19.9 | 16.0 | 24.0 |

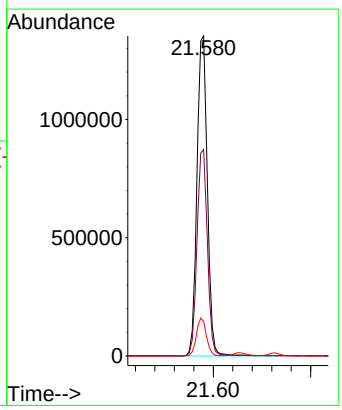


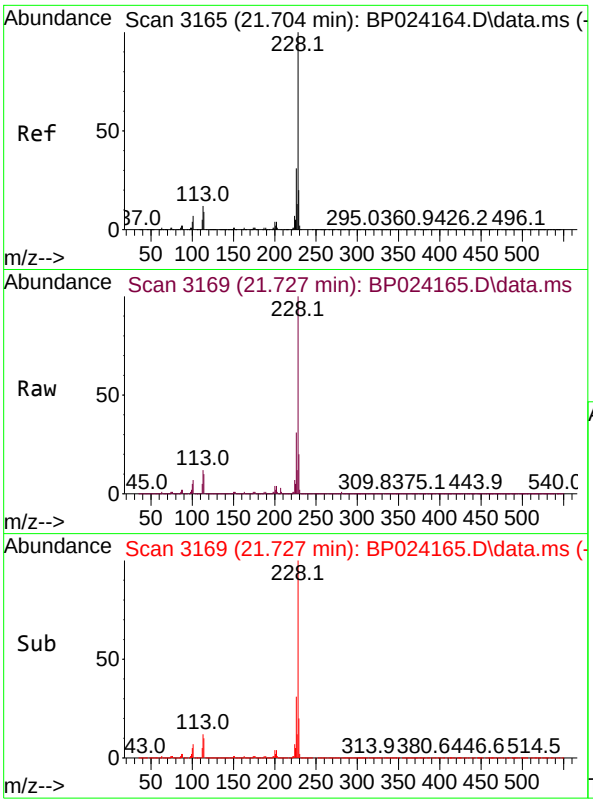




#82
3,3'-Dichlorobenzidine
Concen: 55.414 ng
RT: 21.580 min Scan# 3144
Delta R.T. 0.029 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:252 Resp: 2015249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.5 | 51.4 | 77.2 |
| 126 | 10.8 | 9.3 | 13.9 |



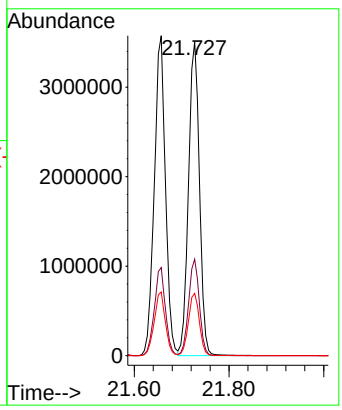


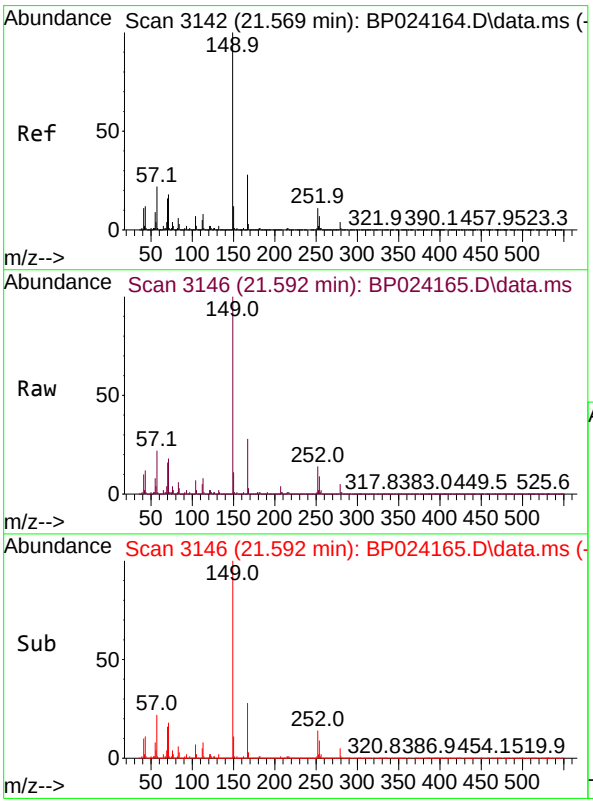

#83
Chrysene
Concen: 50.126 ng
RT: 21.727 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:228 Resp: 5625314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.7 | 24.5 | 36.7 |
| 229 | 19.9 | 16.2 | 24.2 |

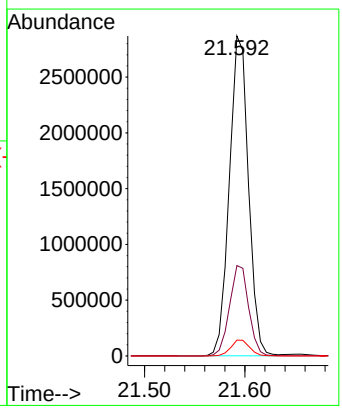


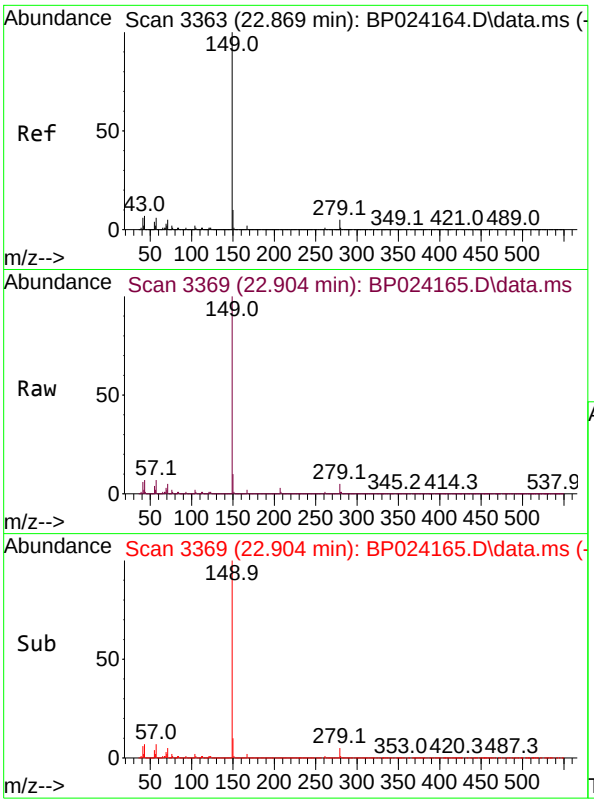




#84
Bis(2-ethylhexyl)phthalate
Concen: 55.499 ng
RT: 21.592 min Scan# 3146
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:149 Resp: 3802016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.2 | 22.5 | 33.7 |
| 279 | 4.9 | 3.6 | 5.4 |



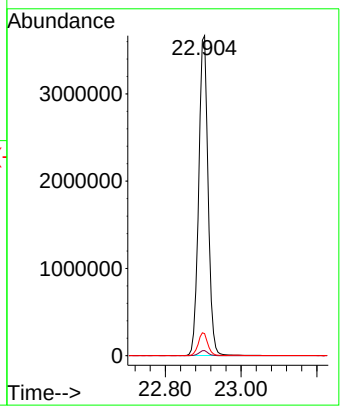


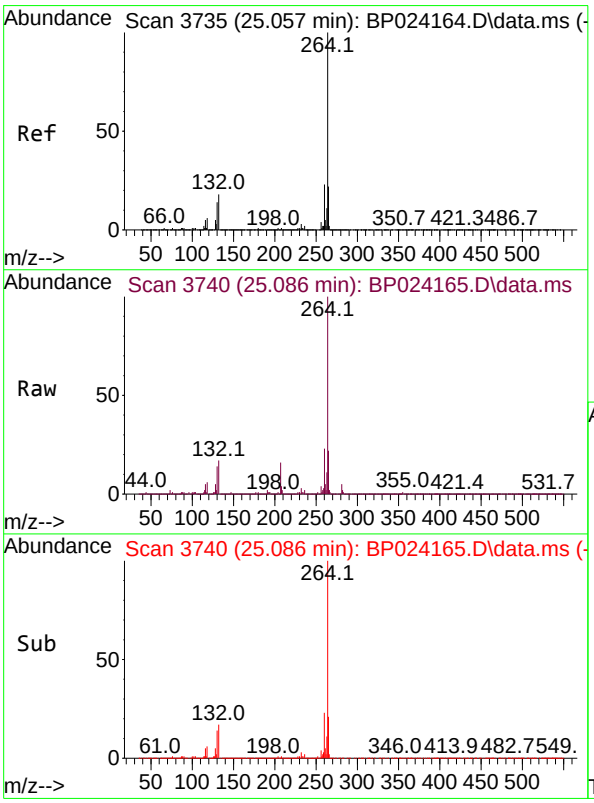

#85
Di-n-octyl phthalate
Concen: 57.516 ng
RT: 22.904 min Scan# 3
Delta R.T. 0.035 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:149 Resp: 6298049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 7.3 | 5.8 | 8.8 |

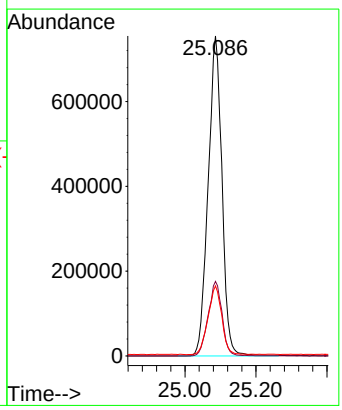


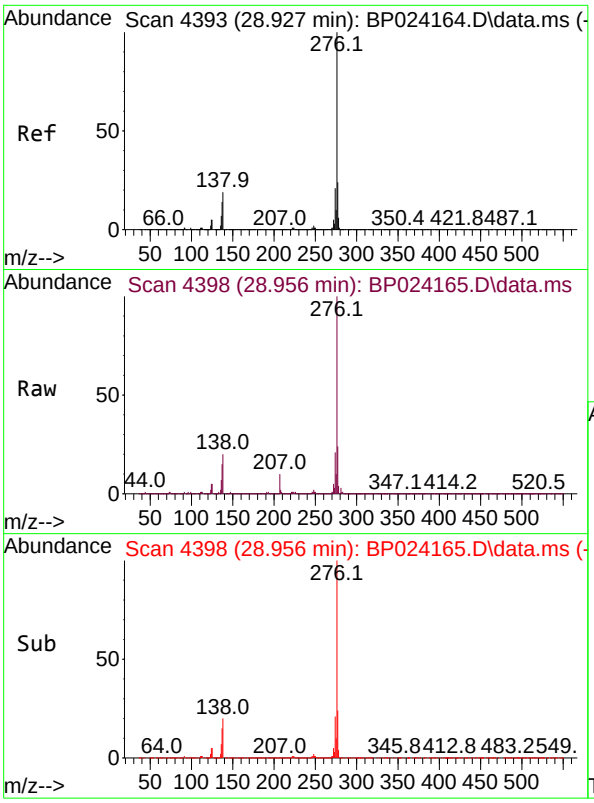




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.086 min Scan# 3740
Delta R.T. 0.029 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:264 Resp: 2039908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 18.5 | 27.7 |
| 265 | 21.9 | 17.7 | 26.5 |



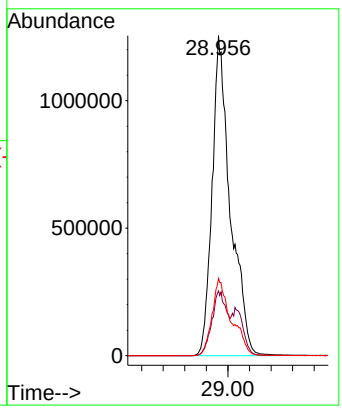


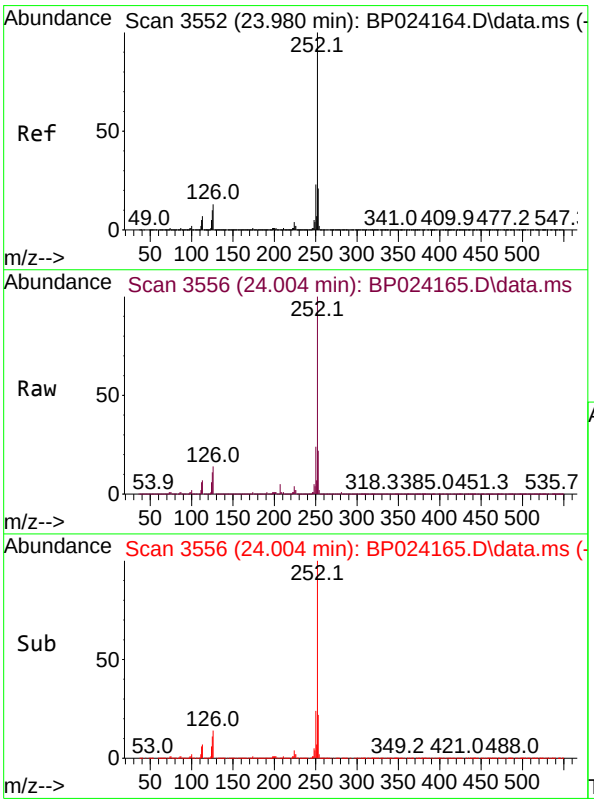

#87
Indeno(1,2,3-cd)pyrene
Concen: 50.680 ng
RT: 28.956 min Scan# 4
Delta R.T. 0.029 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:276 Resp: 7354717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.5 | 13.7 | 20.5 |
| 277 | 25.2 | 20.2 | 30.2 |

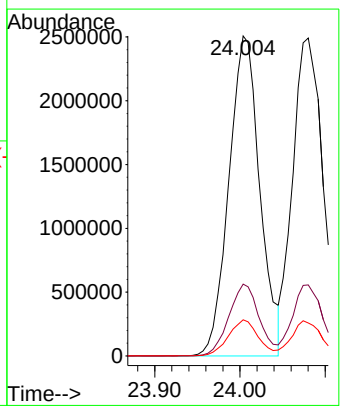


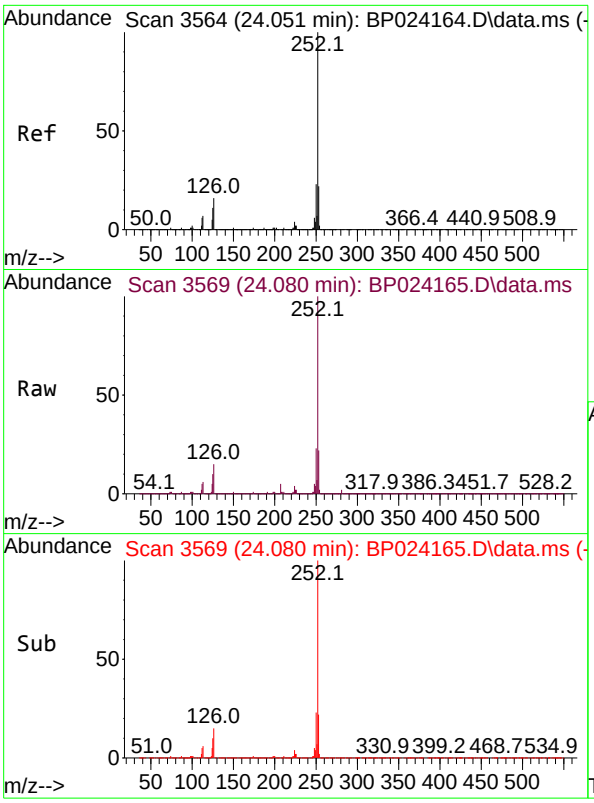




#88
Benzo(b)fluoranthene
Concen: 48.959 ng
RT: 24.004 min Scan# 3556
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:252 Resp: 6342083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 17.2 | 25.8 |
| 125 | 11.3 | 8.2 | 12.4 |



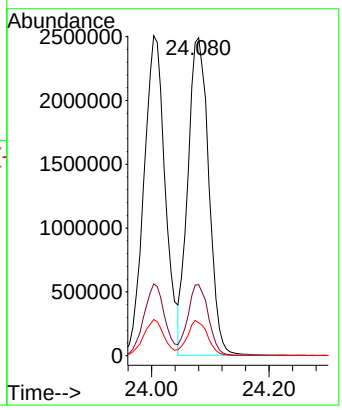


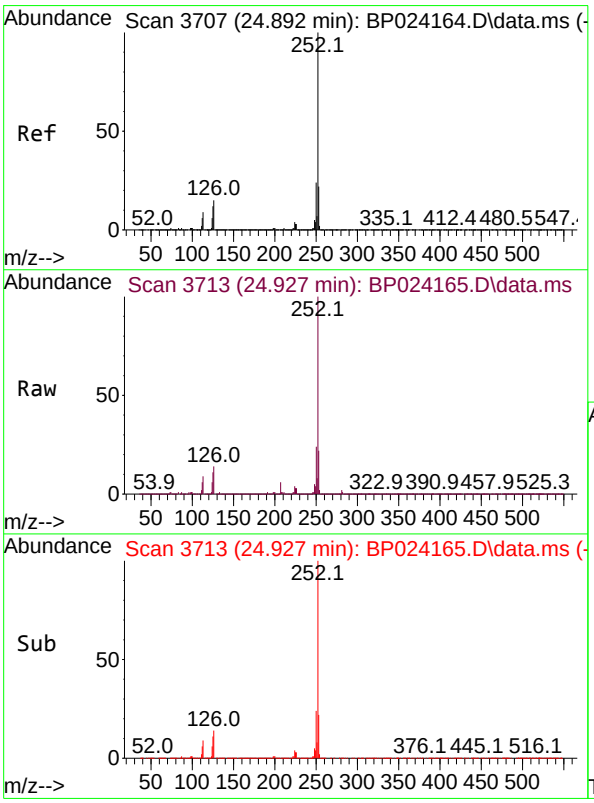

#89
Benzo(k)fluoranthene
Concen: 48.672 ng
RT: 24.080 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:252 Resp: 6136938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.7 | 26.5 |
| 125 | 10.4 | 9.1 | 13.7 |

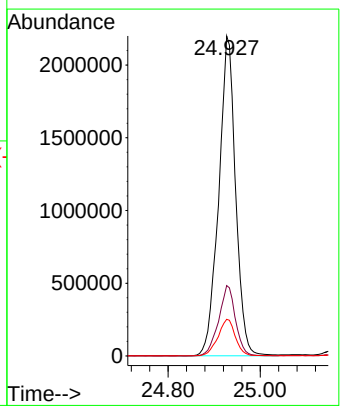


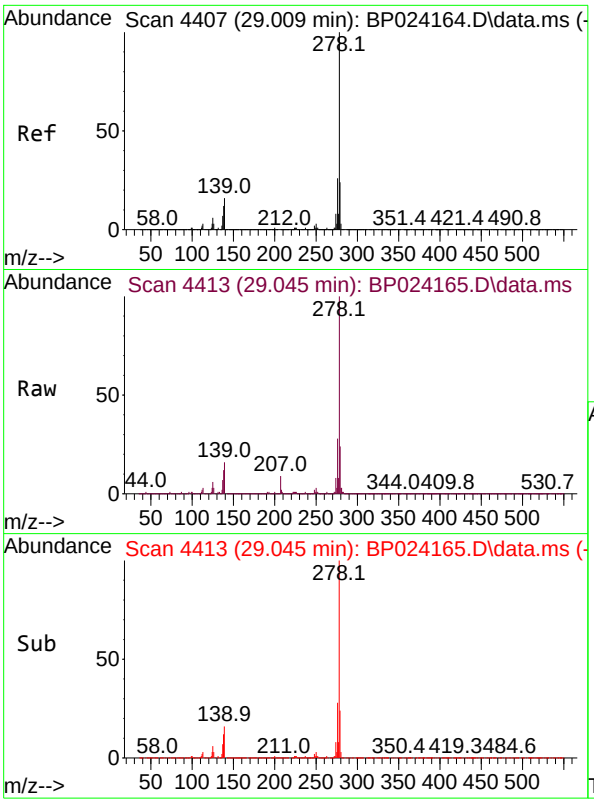




#90
Benzo(a)pyrene
Concen: 50.770 ng
RT: 24.927 min Scan# 3713
Delta R.T. 0.035 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:252 Resp: 5581393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.4 | 26.0 |
| 125 | 11.4 | 9.6 | 14.4 |



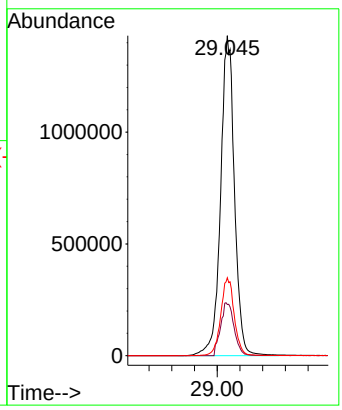


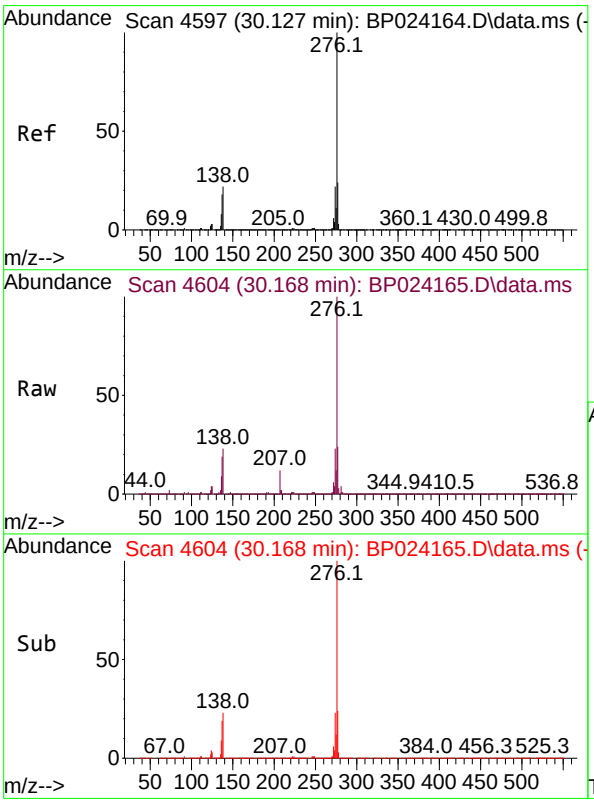

#91
Dibenzo(a,h)anthracene
Concen: 49.766 ng
RT: 29.045 min Scan# 4
Delta R.T. 0.035 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC050

Tgt Ion:278 Resp: 6072440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.0 | 13.0 | 19.4 |
| 279 | 24.4 | 18.8 | 28.2 |

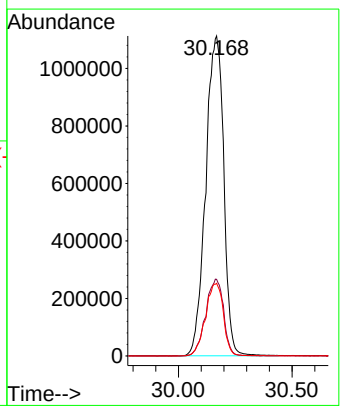



#92
Benzo(g,h,i)perylene
Concen: 49.509 ng
RT: 30.168 min Scan# 4604
Delta R.T. 0.041 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:276 Resp: 6130219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.9 | 19.2 | 28.8 |
| 138 | 22.7 | 17.4 | 26.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024166.D
Acq On : 12 Mar 2025 20:21
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Quant Time: Mar 13 04:09:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.769 | 152 | 394376 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.552 | 136 | 1591612 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.404 | 164 | 936110 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.210 | 188 | 1759587 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.669 | 240 | 1817869 | 20.000 | ng | 0.01 |
| 86) Perylene-d12 | 25.074 | 264 | 2003229 | 20.000 | ng | 0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.381 | 112 | 3091896 | 122.332 | ng | 0.00 |
| 7) Phenol-d6 | 6.958 | 99 | 4151063 | 127.785 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.922 | 82 | 3516139 | 123.247 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.922 | 330 | 1542341 | 134.511 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.016 | 172 | 7675412 | 114.626 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.933 | 244 | 10595349 | 115.330 | ng | 0.01 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.322 | 88 | 588784 | 59.385 | ng | 100 |
| 3) Pyridine | 3.717 | 79 | 1337303 | 51.879 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.622 | 42 | 551093 | 60.270 | ng | 99 |
| 6) Aniline | 7.111 | 93 | 1788370 | 60.115 | ng | 99 |
| 8) 2-Chlorophenol | 7.346 | 128 | 1656453 | 61.919 | ng | 99 |
| 9) Benzaldehyde | 6.922 | 77 | 830475 | 55.995 | ng | 99 |
| 10) Phenol | 6.981 | 94 | 2072585 | 63.448 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 7.199 | 93 | 1606110 | 62.425 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.663 | 146 | 1740829 | 59.234 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 7.805 | 146 | 1778400 | 59.836 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 8.122 | 146 | 1703894 | 59.737 | ng | 100 |
| 15) Benzyl Alcohol | 8.010 | 79 | 1332675 | 67.021 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.293 | 45 | 1610981 | 64.502 | ng | 99 |
| 17) 2-Methylphenol | 8.210 | 107 | 1316438 | 66.132 | ng | 99 |
| 18) Hexachloroethane | 8.846 | 117 | 636840 | 59.498 | ng | 96 |
| 19) n-Nitroso-di-n-propyla... | 8.575 | 70 | 1191669 | 68.227 | ng | 99 |
| 20) 3+4-Methylphenols | 8.540 | 107 | 1809984 | 66.838 | ng | 100 |
| 22) Acetophenone | 8.587 | 105 | 2478568 | 60.600 | ng | 99 |
| 24) Nitrobenzene | 8.963 | 77 | 1731589 | 61.673 | ng | 99 |
| 25) Isophorone | 9.487 | 82 | 3063158 | 65.658 | ng | 100 |
| 26) 2-Nitrophenol | 9.669 | 139 | 904714 | 69.941 | ng | 97 |
| 27) 2,4-Dimethylphenol | 9.734 | 122 | 1095778 | 64.534 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 9.963 | 93 | 2086687 | 61.742 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.204 | 162 | 1497152 | 64.609 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.416 | 180 | 1578453 | 59.453 | ng | 100 |
| 31) Naphthalene | 10.604 | 128 | 5145859 | 60.129 | ng | 100 |
| 32) Benzoic acid | 9.904 | 122 | 1203679 | 77.325 | ng | 98 |
| 33) 4-Chloroaniline | 10.710 | 127 | 1859148 | 61.665 | ng | 99 |
| 34) Hexachlorobutadiene | 10.887 | 225 | 918034 | 59.699 | ng | 98 |
| 35) Caprolactam | 11.510 | 113 | 496683 | 70.784 | ng | 99 |
| 36) 4-Chloro-3-methylphenol | 11.846 | 107 | 1582952 | 66.451 | ng | 98 |
| 37) 2-Methylnaphthalene | 12.216 | 142 | 3504891 | 61.618 | ng | 100 |
| 38) 1-Methylnaphthalene | 12.434 | 142 | 3364504 | 60.802 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.587 | 216 | 1707961 | 59.382 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 12.563 | 237 | 656781 | 61.365 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 12.828 | 196 | 1148545 | 65.478 | ng | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024166.D
Acq On : 12 Mar 2025 20:21
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Quant Time: Mar 13 04:09:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

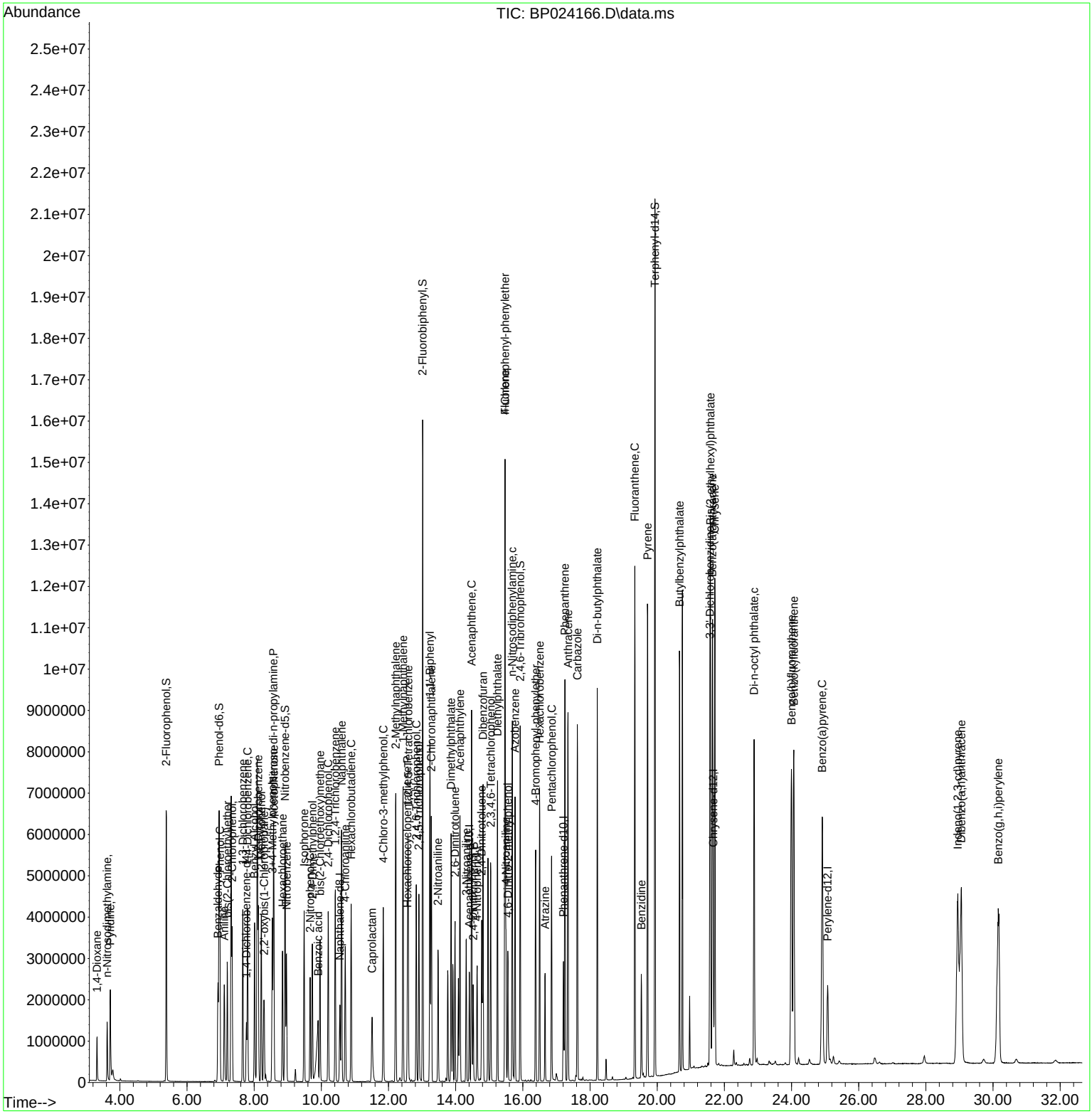
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.904 | 196 | 1233147 | 64.282 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.234 | 154 | 4312903 | 59.291 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.275 | 162 | 3269176 | 59.452 | ng | | 100 |
| 48) 2-Nitroaniline | 13.475 | 65 | 890207 | 68.533 | ng | | 99 |
| 49) Acenaphthylene | 14.128 | 152 | 5025011 | 62.024 | ng | | 100 |
| 50) Dimethylphthalate | 13.863 | 163 | 3997694 | 60.542 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.981 | 165 | 887706 | 65.996 | ng | | 96 |
| 52) Acenaphthene | 14.475 | 154 | 3153799 | 60.450 | ng | | 99 |
| 53) 3-Nitroaniline | 14.316 | 138 | 963434 | 67.123 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 14.522 | 184 | 523590 | 73.093 | ng | | 97 |
| 55) Dibenzofuran | 14.816 | 168 | 5051493 | 59.602 | ng | | 100 |
| 56) 4-Nitrophenol | 14.640 | 139 | 831765 | 67.086 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 14.775 | 165 | 1211692 | 69.346 | ng | | 98 |
| 58) Fluorene | 15.469 | 166 | 3951671 | 59.702 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.045 | 232 | 1055860 | 63.439 | ng | | 99 |
| 60) Diethylphthalate | 15.245 | 149 | 4030341 | 61.486 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.469 | 204 | 1934265 | 59.370 | ng | | 100 |
| 62) 4-Nitroaniline | 15.498 | 138 | 1025149 | 68.824 | ng | | 98 |
| 63) Azobenzene | 15.769 | 77 | 3829148 | 62.340 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.557 | 198 | 698260 | 68.563 | ng | | 93 |
| 66) n-Nitrosodiphenylamine | 15.687 | 169 | 3334914 | 60.776 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.381 | 248 | 1211468 | 61.311 | ng | | 97 |
| 68) Hexachlorobenzene | 16.498 | 284 | 1425714 | 61.320 | ng | | 97 |
| 69) Atrazine | 16.663 | 200 | 465136 | 33.031 | ng | | 99 |
| 70) Pentachlorophenol | 16.857 | 266 | 1002726 | 66.402 | ng | | 100 |
| 71) Phenanthrene | 17.251 | 178 | 5863198 | 59.103 | ng | | 99 |
| 72) Anthracene | 17.345 | 178 | 5754537 | 60.532 | ng | | 100 |
| 73) Carbazole | 17.622 | 167 | 5598533 | 61.810 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.216 | 149 | 6844468 | 64.761 | ng | | 100 |
| 75) Fluoranthene | 19.333 | 202 | 6849338 | 61.042 | ng | | 99 |
| 77) Benzidine | 19.528 | 184 | 1518742 | 68.561 | ng | | 100 |
| 78) Pyrene | 19.710 | 202 | 7049649 | 61.052 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.663 | 149 | 3170269 | 71.649 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.645 | 228 | 7010330 | 61.500 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.569 | 252 | 2547922 | 71.531 | ng | | 99 |
| 83) Chrysene | 21.716 | 228 | 6653811 | 60.535 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.586 | 149 | 4788368 | 71.363 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.886 | 149 | 7825427 | 72.964 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.951 | 276 | 7494916 | 52.591 | ng | # | 96 |
| 88) Benzo(b)fluoranthene | 23.998 | 252 | 7606878 | 59.798 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.068 | 252 | 7515459 | 60.696 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.915 | 252 | 6723161 | 62.275 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 29.056 | 278 | 7370514 | 61.510 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 30.156 | 276 | 7489359 | 61.593 | ng | | 99 |

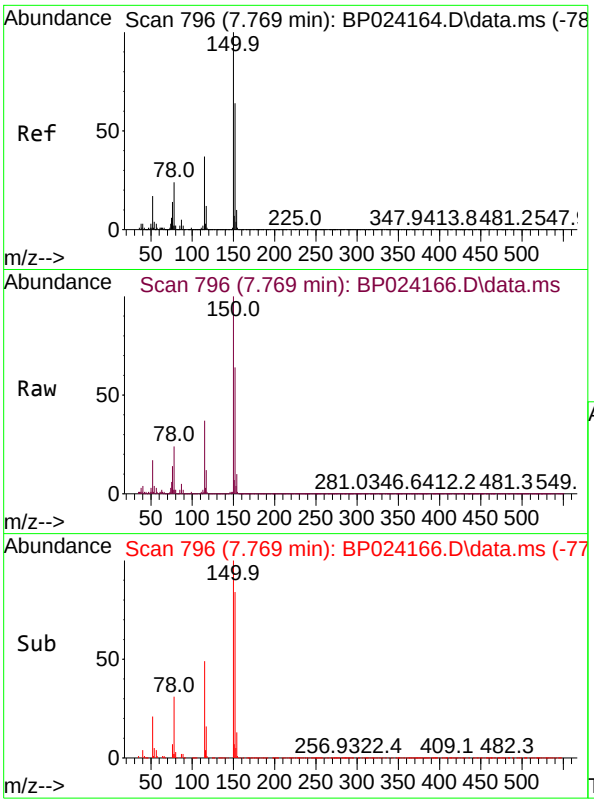
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024166.D
Acq On : 12 Mar 2025 20:21
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Quant Time: Mar 13 04:09:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration



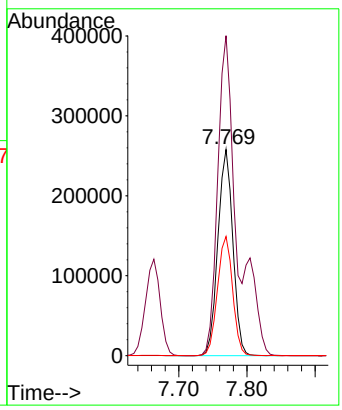


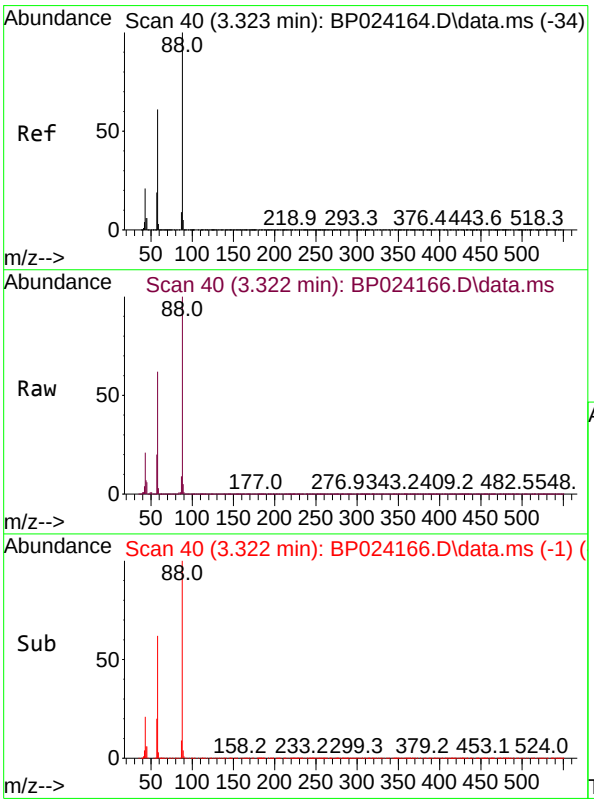

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:152 Resp: 394376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.1 | 125.5 | 188.3 |
| 115 | 57.8 | 46.3 | 69.5 |

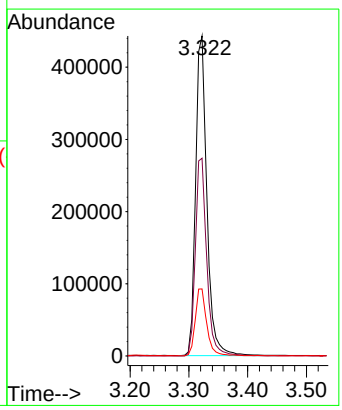


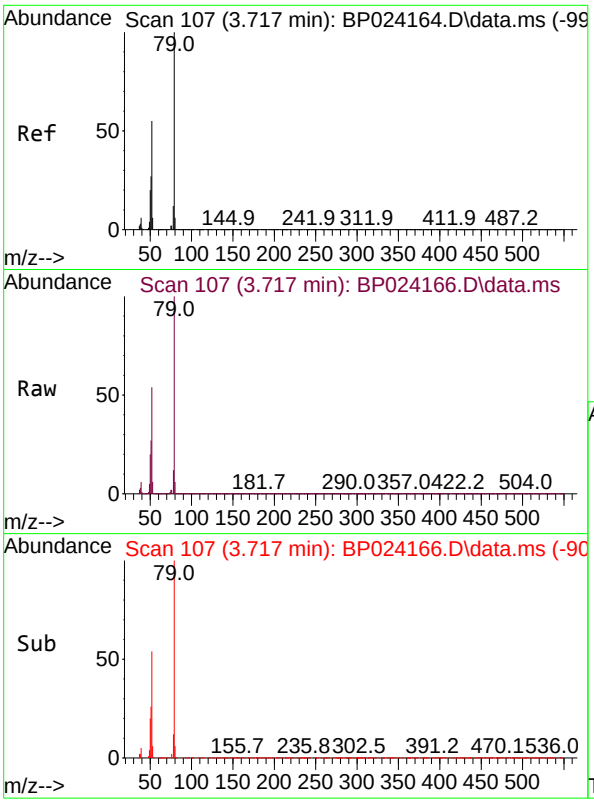




#2
1,4-Dioxane
Concen: 59.385 ng
RT: 3.322 min Scan# 40
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion: 88 Resp: 588784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 62.5 | 49.8 | 74.6 |
| 43 | 21.3 | 17.3 | 25.9 |



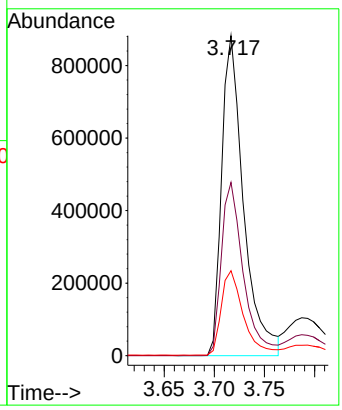


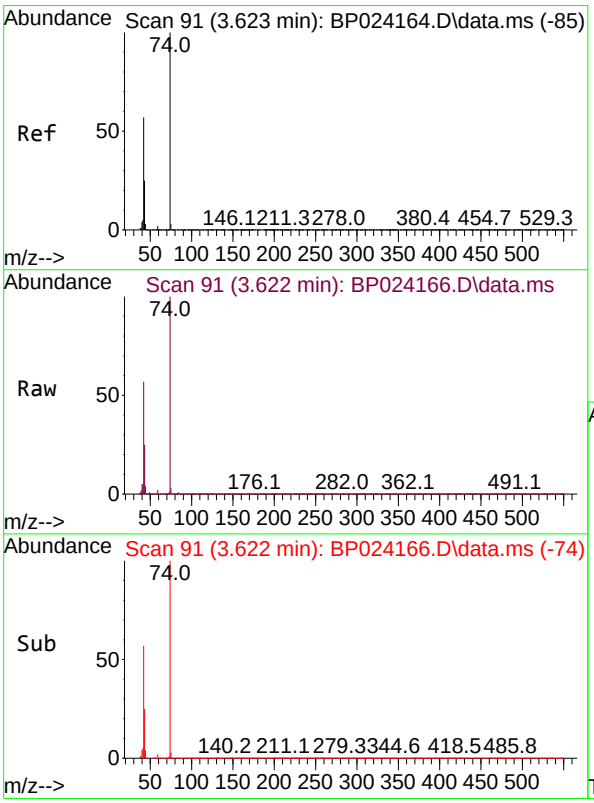

#3
Pyridine
Concen: 51.879 ng
RT: 3.717 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 79 Resp: 1337303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 54.2 | 43.8 | 65.8 |
| 51 | 26.6 | 21.6 | 32.4 |

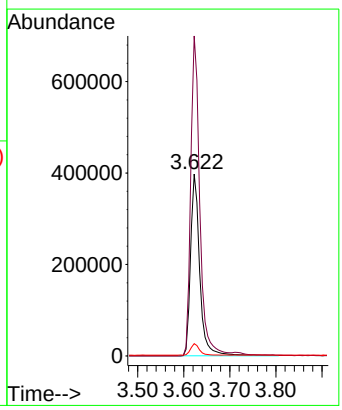


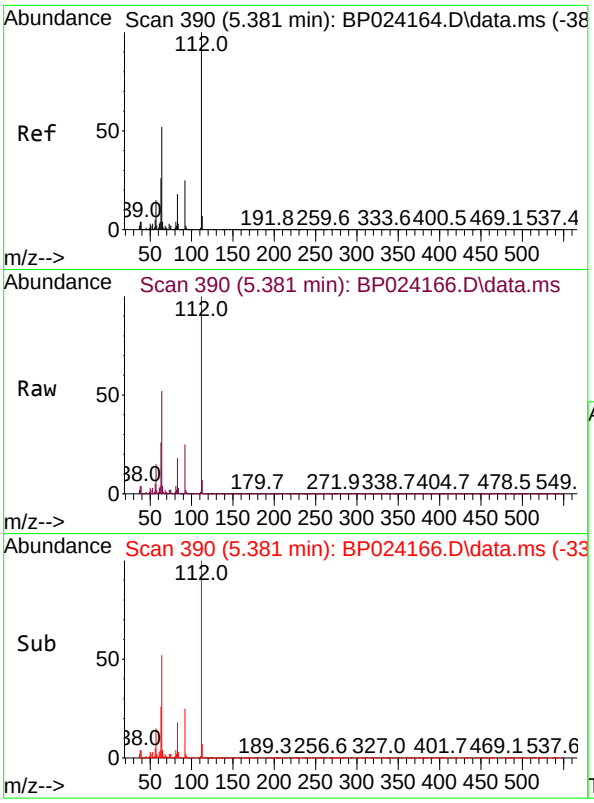




#4
n-Nitrosodimethylamine
Concen: 60.270 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion: 42 Resp: 551093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 175.9 | 139.8 | 209.6 |
| 44 | 6.8 | 5.3 | 7.9 |



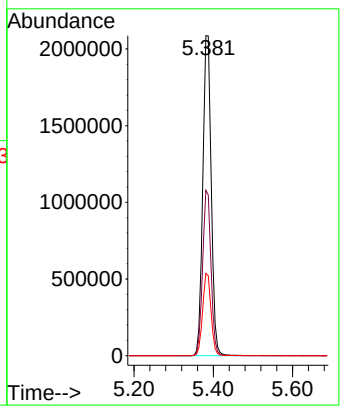


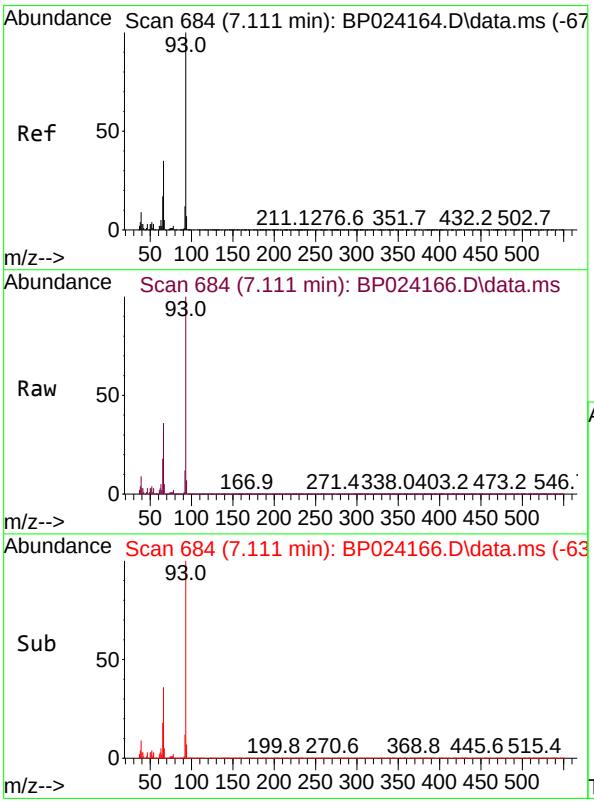

#5
2-Fluorophenol
Concen: 122.332 ng
RT: 5.381 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:112 Resp: 3091896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 51.7 | 41.3 | 61.9 |
| 63 | 25.7 | 20.6 | 31.0 |

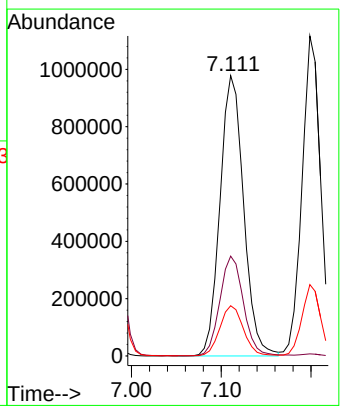


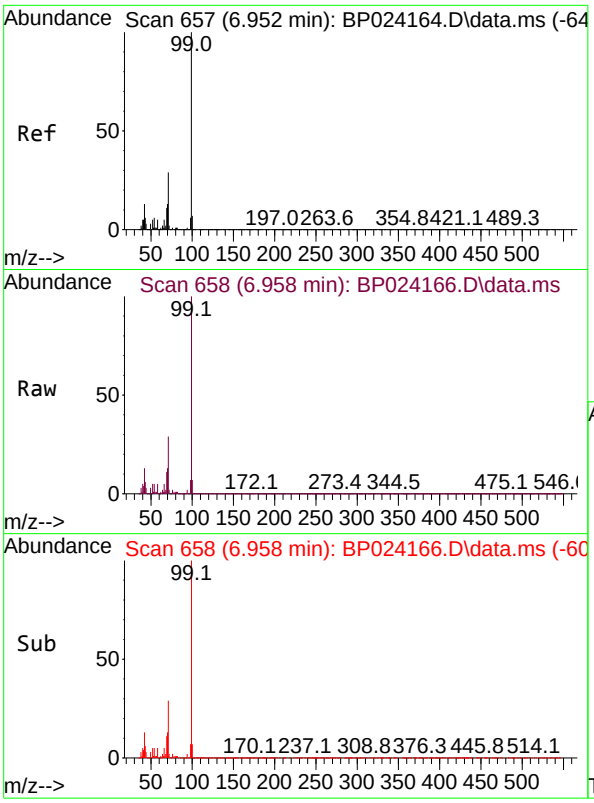




#6
Aniline
Concen: 60.115 ng
RT: 7.111 min Scan# 684
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion: 93 Resp: 1788370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 35.6 | 28.2 | 42.2 |
| 65 | 17.9 | 14.0 | 21.0 |



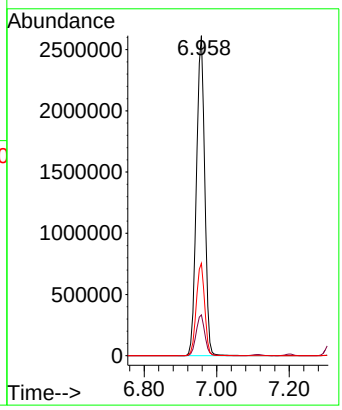


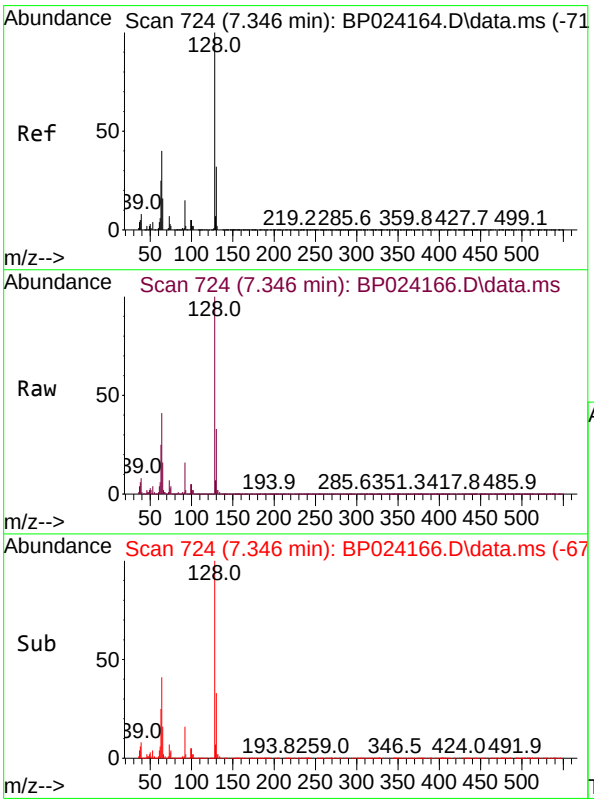

#7
Phenol-d6
Concen: 127.785 ng
RT: 6.958 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 99 Resp: 4151063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 12.7 | 10.6 | 16.0 |
| 71 | 28.9 | 23.3 | 34.9 |

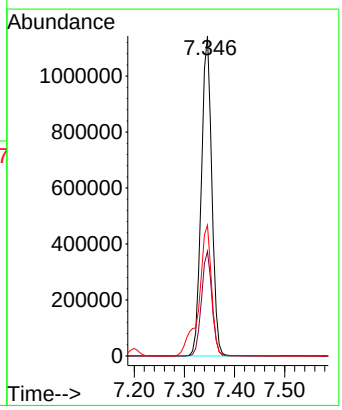


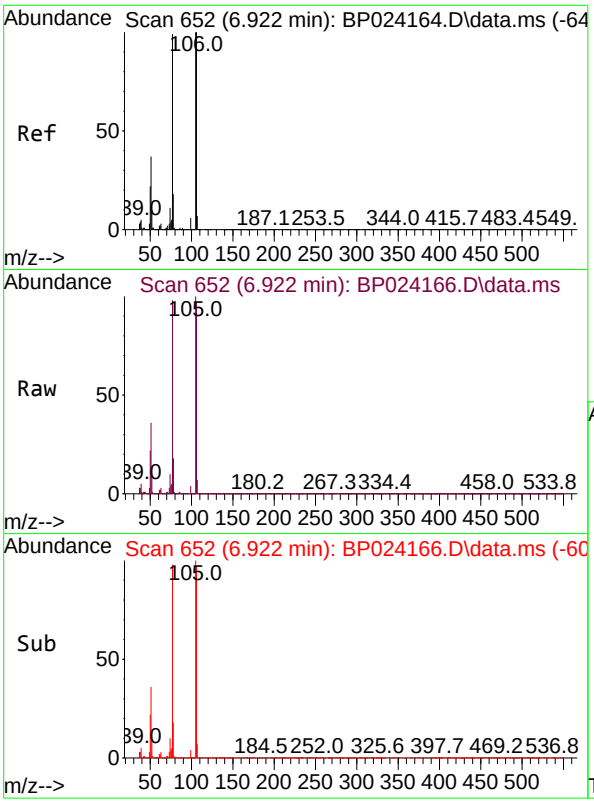




#8
2-Chlorophenol
Concen: 61.919 ng
RT: 7.346 min Scan# 724
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:128 Resp: 1656453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.7 | 12.0 | 52.0 |
| 64 | 40.9 | 21.6 | 61.6 |



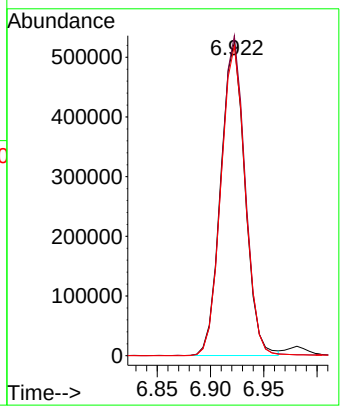


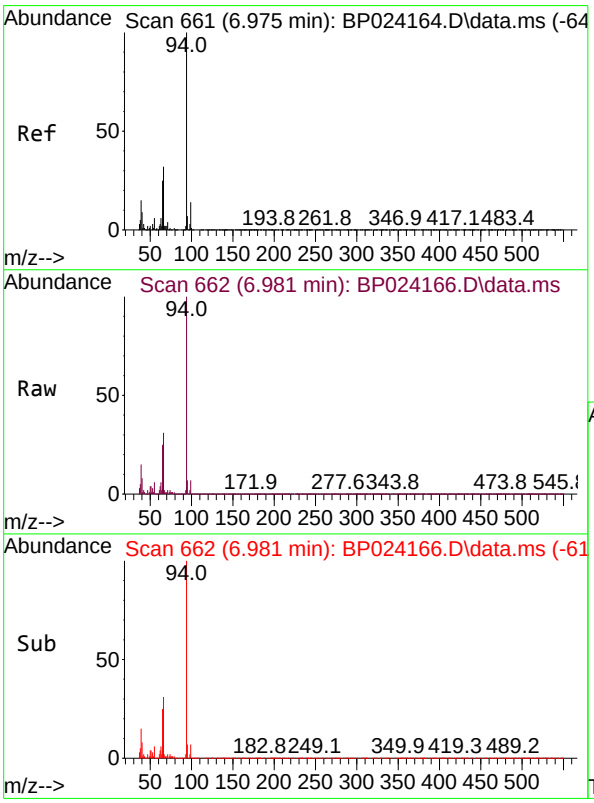

#9
Benzaldehyde
Concen: 55.995 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 77 Resp: 830475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 102.0 | 81.4 | 121.4 |
| 106 | 98.7 | 81.1 | 121.1 |

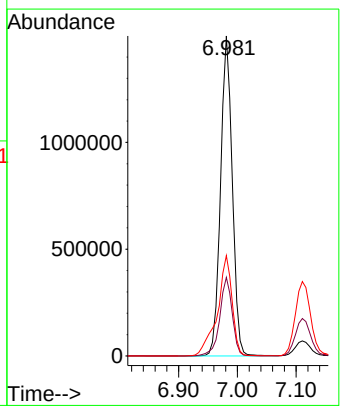


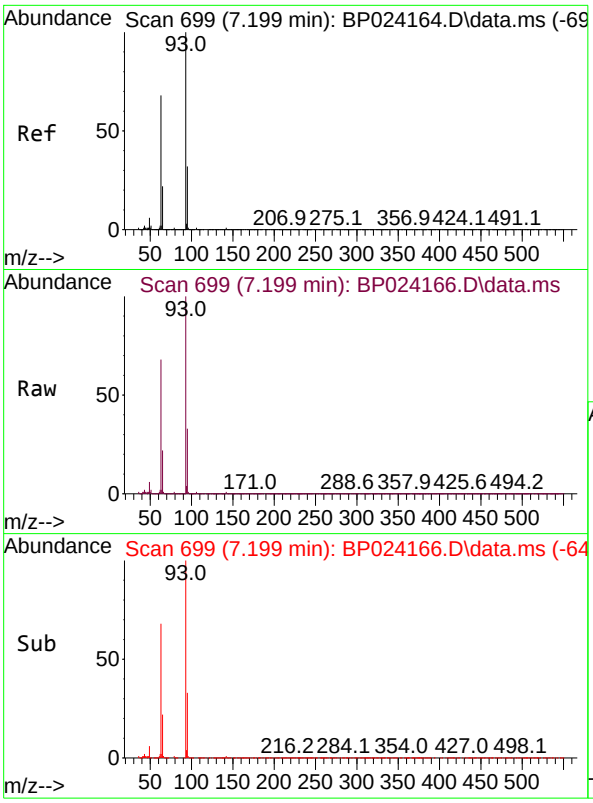




#10
Phenol
Concen: 63.448 ng
RT: 6.981 min Scan# 662
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion: 94 Resp: 2072585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 24.5 | 4.9 | 44.9 |
| 66 | 31.3 | 11.9 | 51.9 |



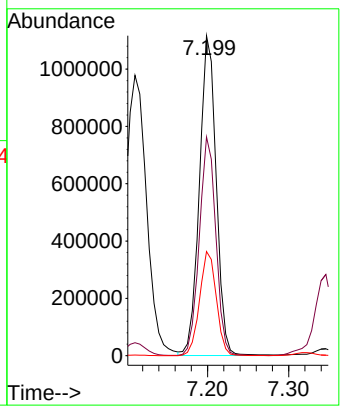


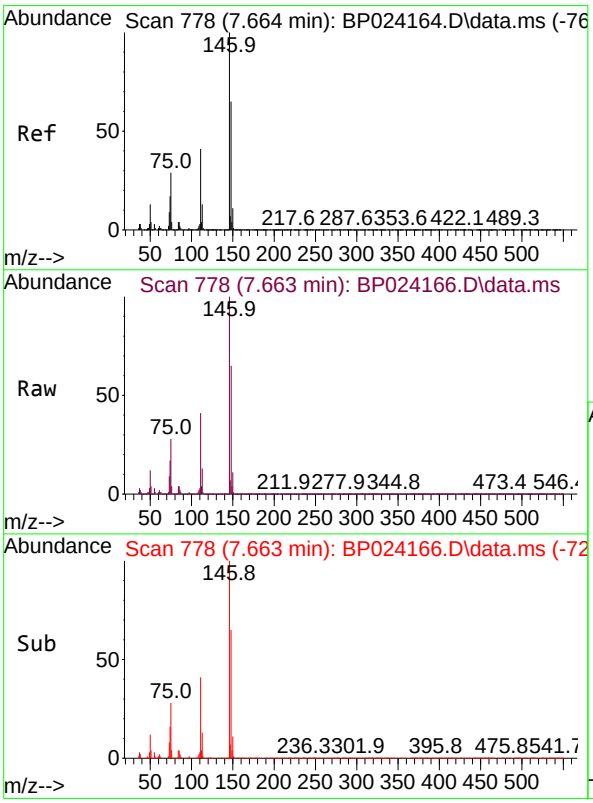

#11
bis(2-Chloroethyl)ether
Concen: 62.425 ng
RT: 7.199 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 93 Resp: 1606110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 68.3 | 47.4 | 87.4 |
| 95 | 32.6 | 12.1 | 52.1 |

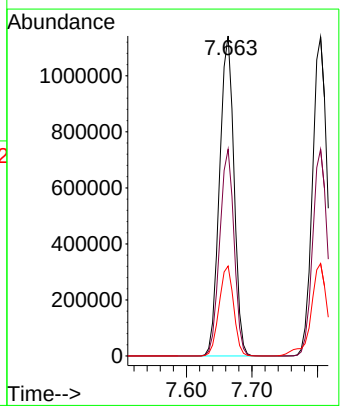


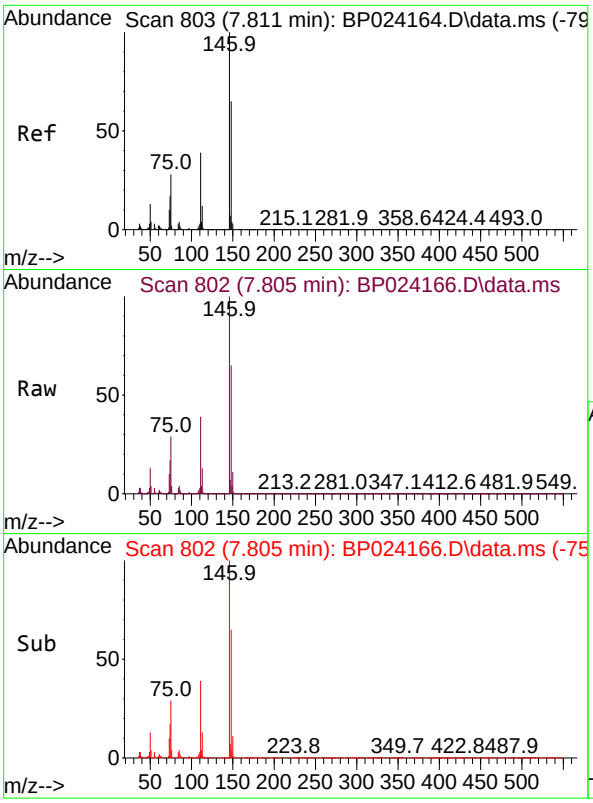




#12
1,3-Dichlorobenzene
Concen: 59.234 ng
RT: 7.663 min Scan# 778
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:146 Resp: 1740829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.6 | 51.6 | 77.4 |
| 75 | 28.1 | 22.8 | 34.2 |



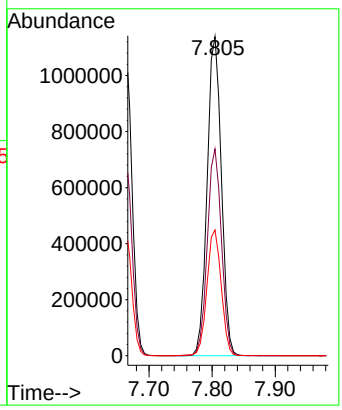


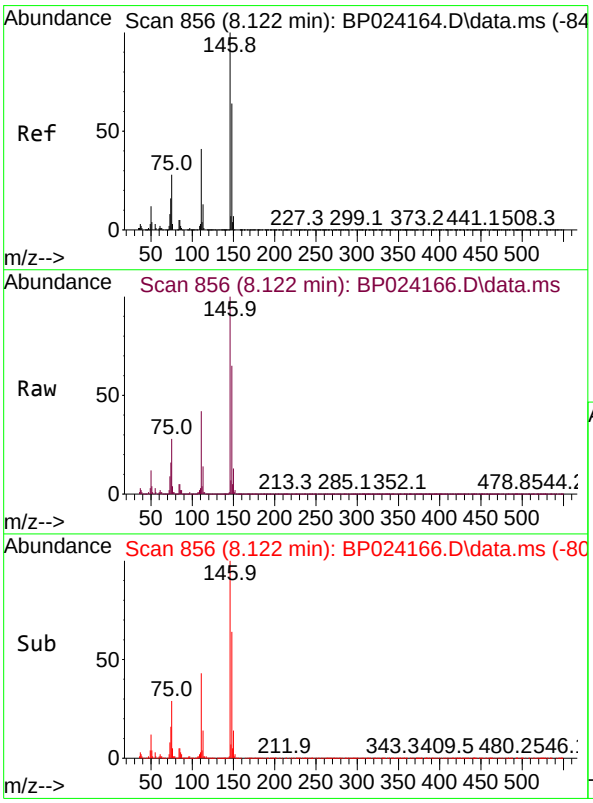

#13
1,4-Dichlorobenzene
Concen: 59.836 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:146 Resp: 1778400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.8 | 51.9 | 77.9 |
| 111 | 39.4 | 31.4 | 47.2 |

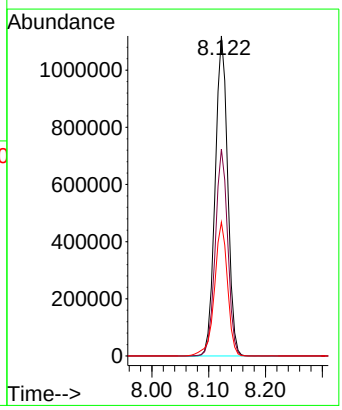


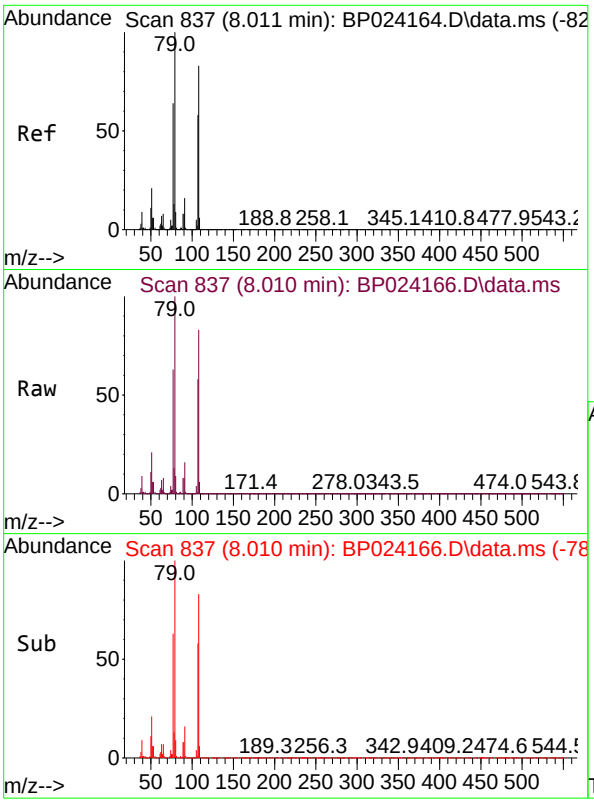




#14
1,2-Dichlorobenzene
Concen: 59.737 ng
RT: 8.122 min Scan# 856
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:146 Resp: 1703894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.6 | 51.4 | 77.2 |
| 111 | 41.8 | 33.2 | 49.8 |



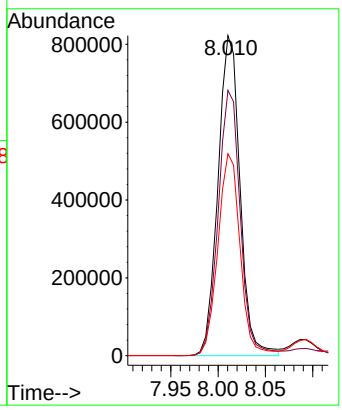


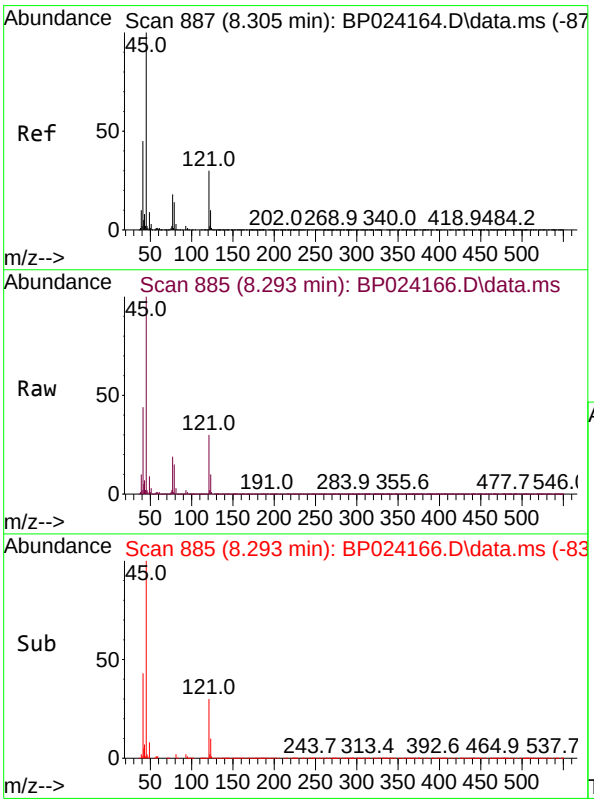

#15
Benzyl Alcohol
Concen: 67.021 ng
RT: 8.010 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 79 Resp: 1332675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 82.9 | 66.5 | 99.7 |
| 77 | 63.1 | 50.9 | 76.3 |

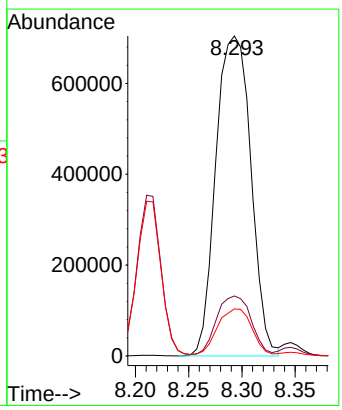


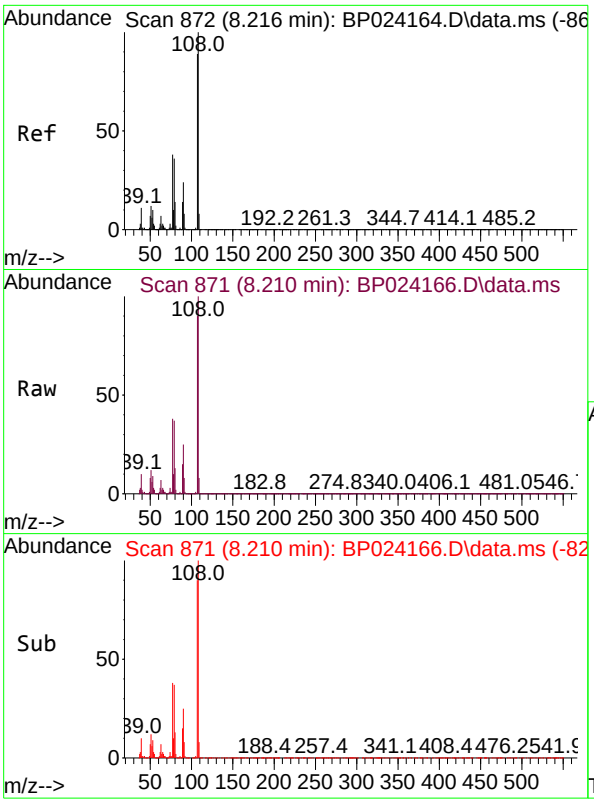




#16
2,2'-oxybis(1-Chloropropane)
Concen: 64.502 ng
RT: 8.293 min Scan# 885
Delta R.T. -0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion: 45 Resp: 1610981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 18.8 | 0.0 | 39.0 |
| 79 | 14.7 | 0.0 | 35.6 |



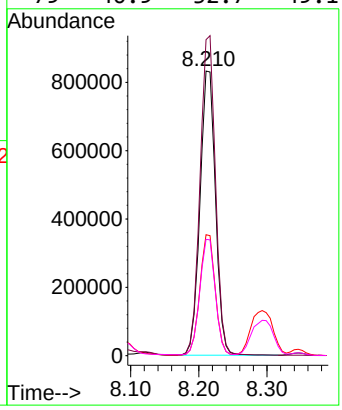


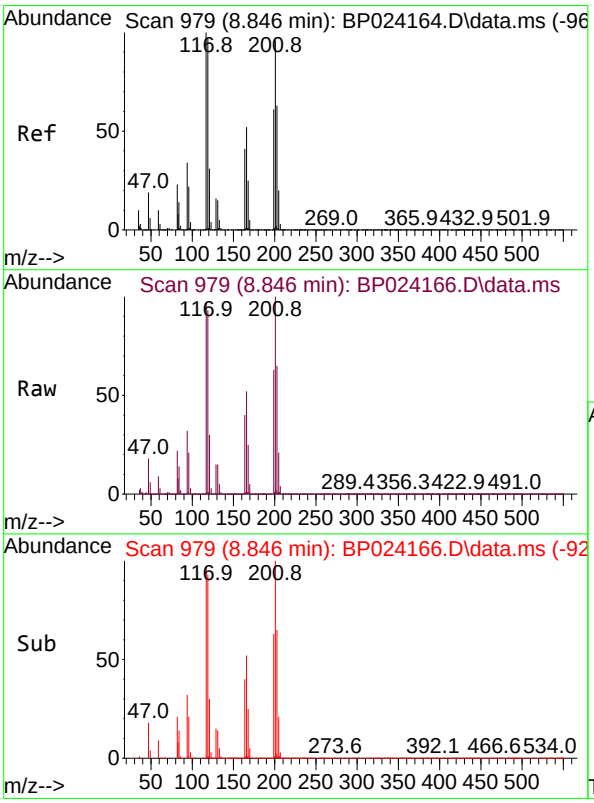

#17
2-Methylphenol
Concen: 66.132 ng
RT: 8.210 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:107 Resp: 1316438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.0 | 90.0 | 135.0 |
| 77 | 42.5 | 34.0 | 51.0 |
| 79 | 40.9 | 32.7 | 49.1 |

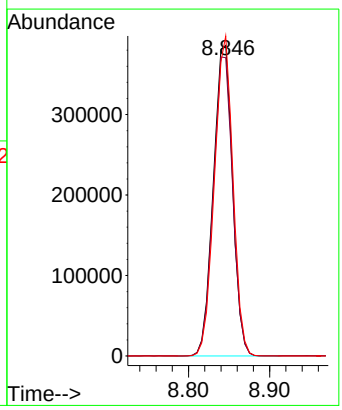


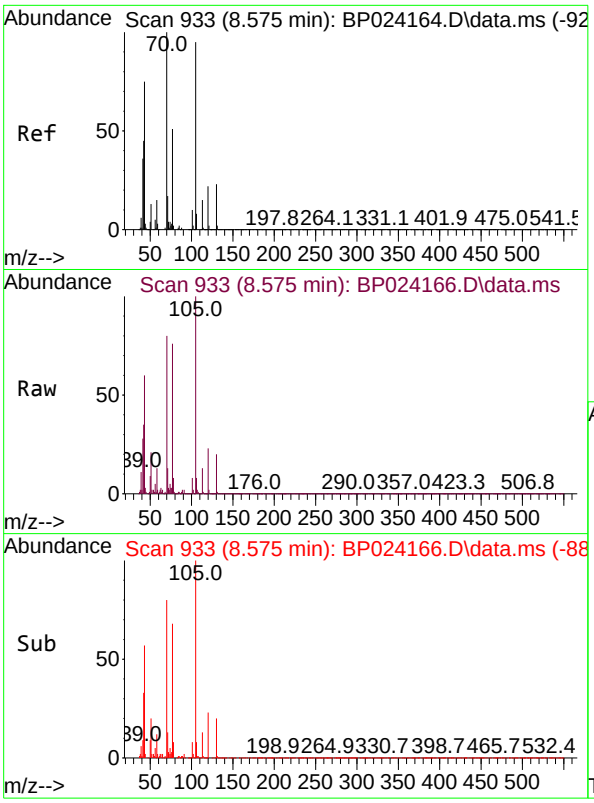




#18
Hexachloroethane
Concen: 59.498 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:117 Resp: 636840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.0 | 77.4 | 116.0 |
| 201 | 103.0 | 76.6 | 114.8 |



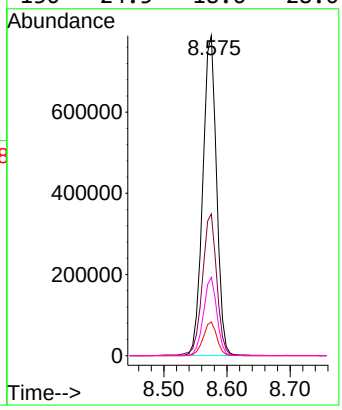


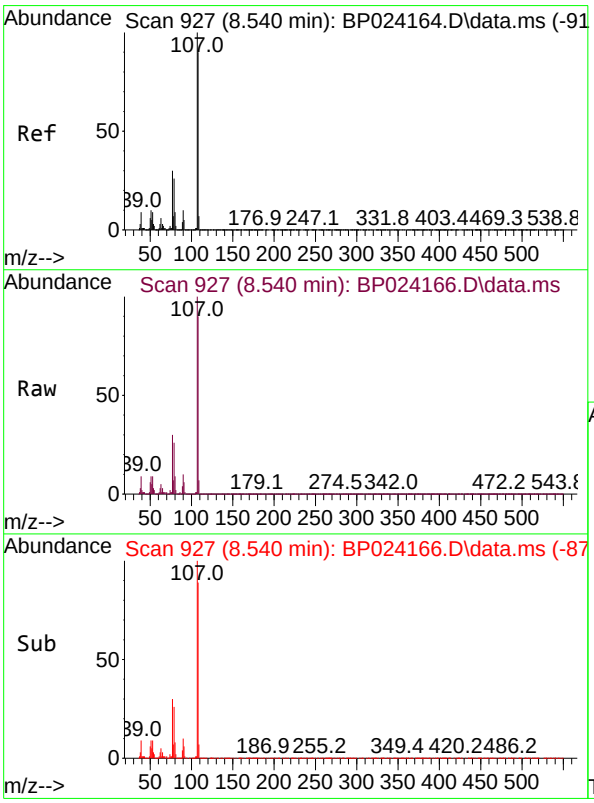

#19
n-Nitroso-di-n-propylamine
Concen: 68.227 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 70 Resp: 1191669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 44.3 | 36.0 | 54.0 |
| 101 | 10.6 | 8.3 | 12.5 |
| 130 | 24.5 | 18.6 | 28.0 |

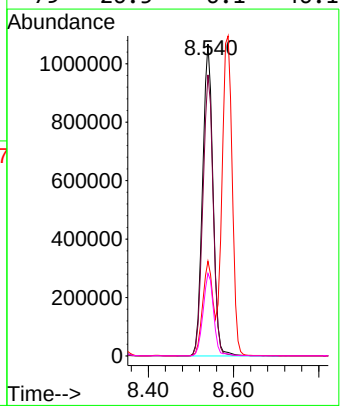


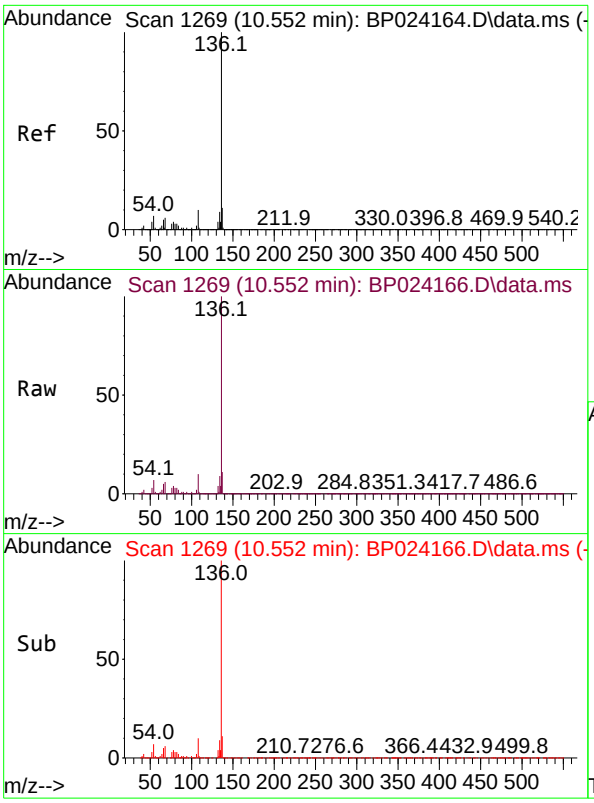




#20
3+4-Methylphenols
Concen: 66.838 ng
RT: 8.540 min Scan# 927
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:107 Resp: 1809984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.1 | 69.7 | 109.7 |
| 77 | 30.4 | 10.3 | 50.3 |
| 79 | 26.5 | 6.1 | 46.1 |



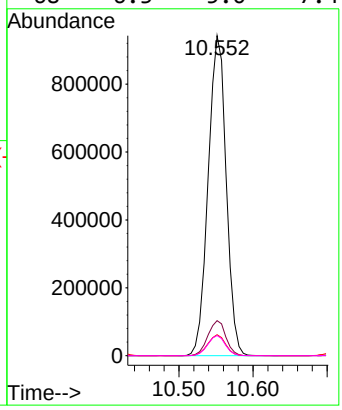


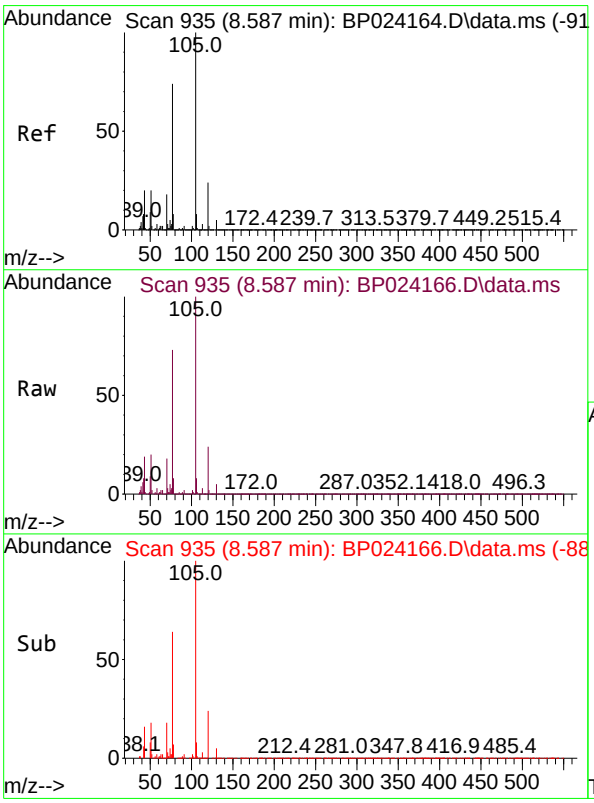

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.552 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:136 Resp: 1591612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 9.0 | 13.4 |
| 54 | 6.5 | 5.3 | 7.9 |
| 68 | 6.3 | 5.0 | 7.4 |

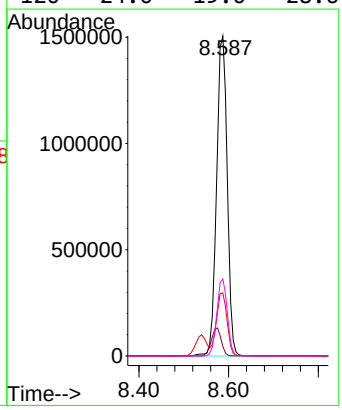


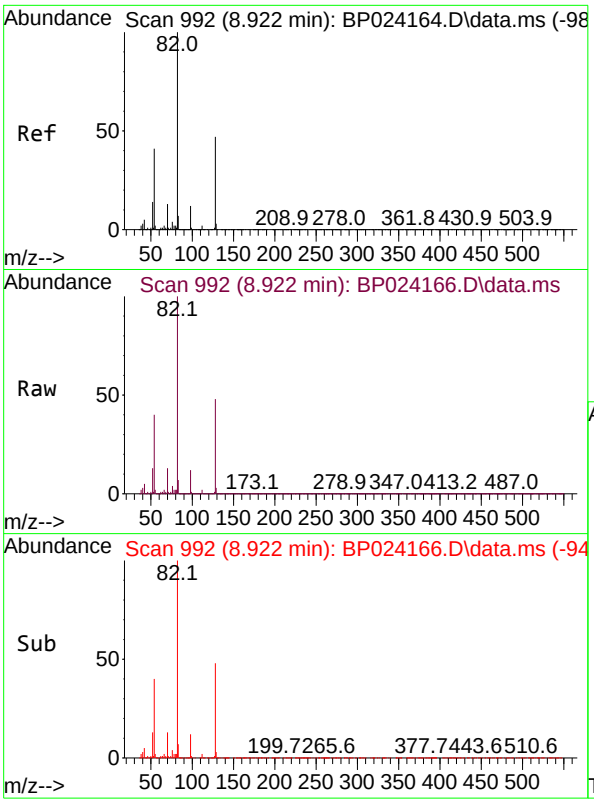




#22
Acetophenone
Concen: 60.600 ng
RT: 8.587 min Scan# 935
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:105 Resp: 2478568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 3.0 | 2.4 | 3.6 |
| 51 | 19.7 | 16.2 | 24.2 |
| 120 | 24.0 | 19.0 | 28.6 |



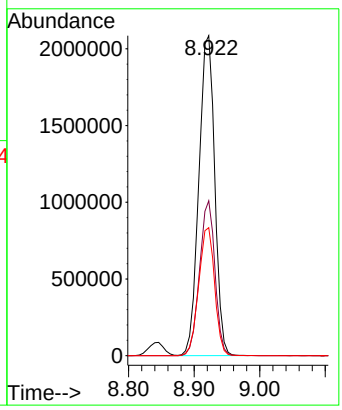


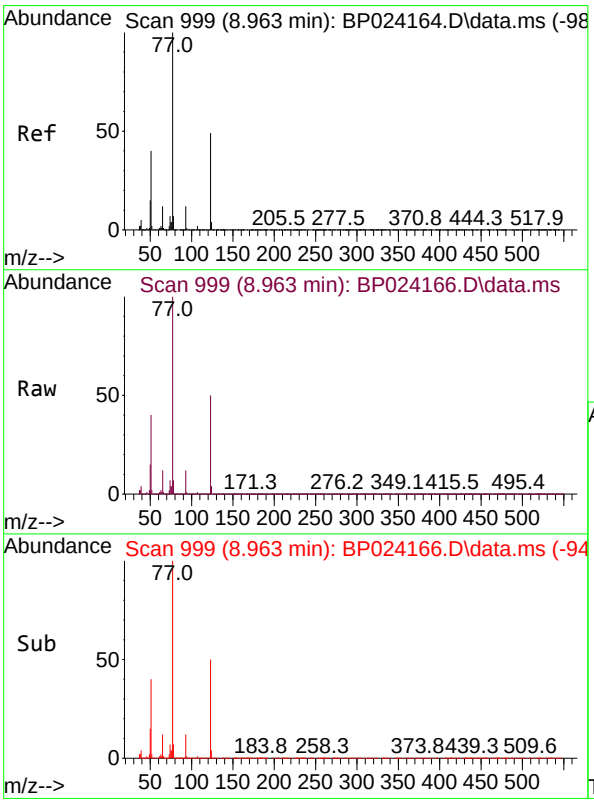

#23
Nitrobenzene-d5
Concen: 123.247 ng
RT: 8.922 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 82 Resp: 3516139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 48.4 | 37.4 | 56.0 |
| 54 | 40.0 | 32.5 | 48.7 |

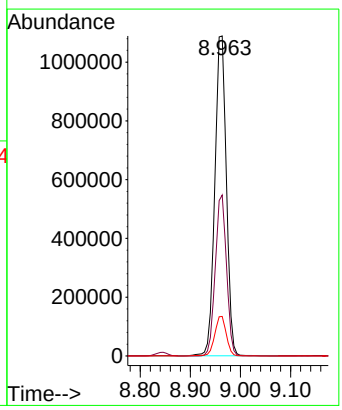


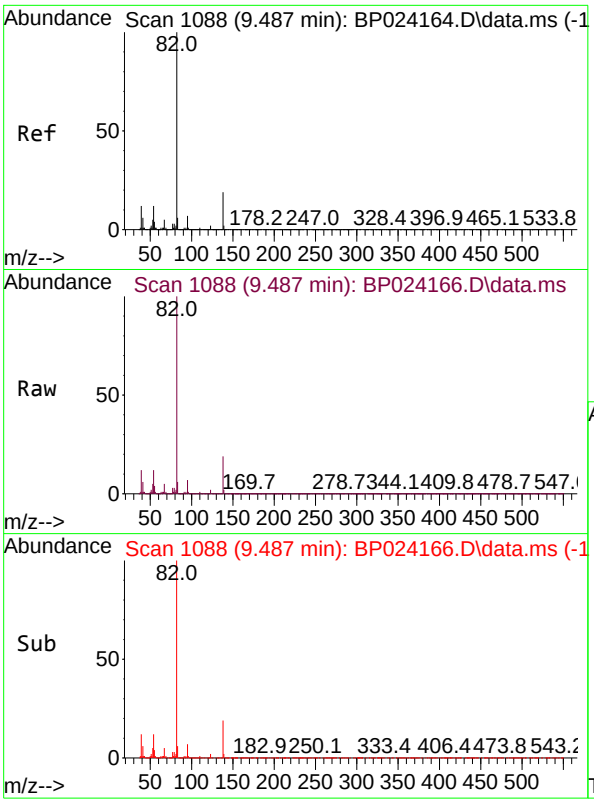




#24
Nitrobenzene
Concen: 61.673 ng
RT: 8.963 min Scan# 999
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion: 77 Resp: 1731589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 50.3 | 39.4 | 59.2 |
| 65 | 12.3 | 9.9 | 14.9 |



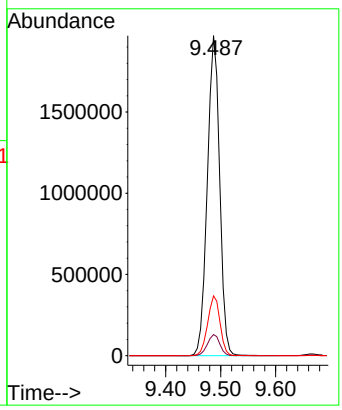


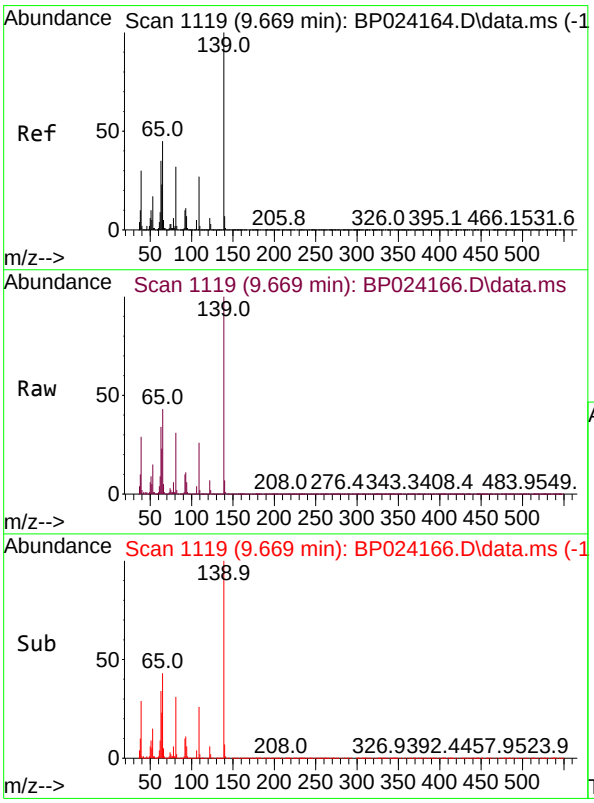

#25
Isophorone
Concen: 65.658 ng
RT: 9.487 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 82 Resp: 3063158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.6 | 5.3 | 7.9 |
| 138 | 18.7 | 14.8 | 22.2 |

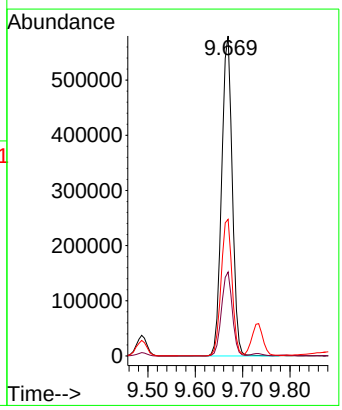


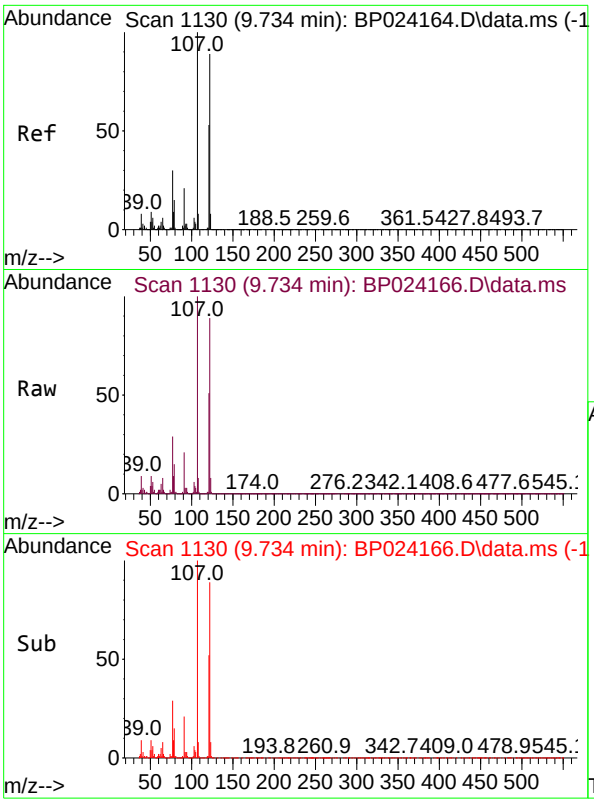




#26
2-Nitrophenol
Concen: 69.941 ng
RT: 9.669 min Scan# 1119
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:139 Resp: 904714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 26.2 | 21.7 | 32.5 |
| 65 | 42.7 | 35.8 | 53.8 |



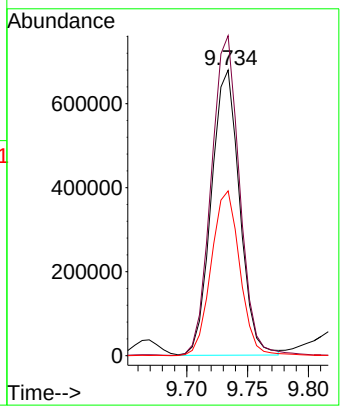


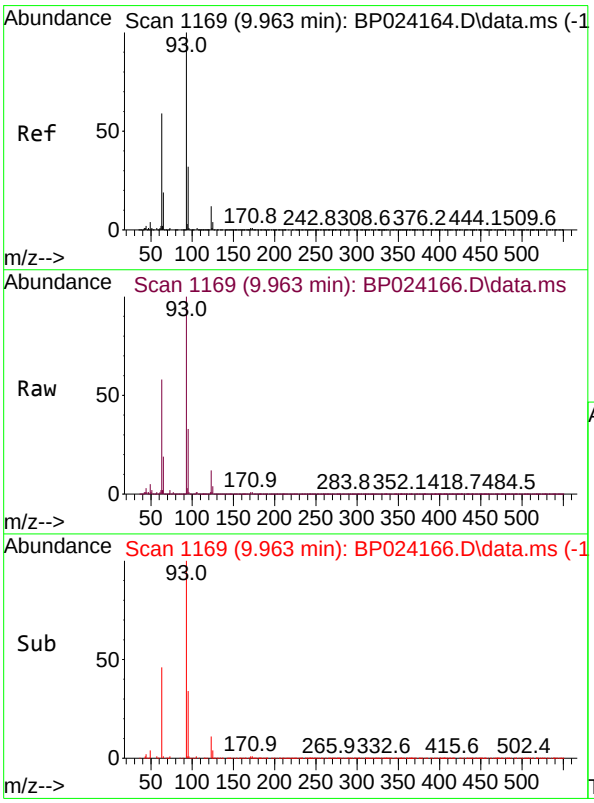

#27
2,4-Dimethylphenol
Concen: 64.534 ng
RT: 9.734 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:122 Resp: 1095778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 112.0 | 89.3 | 133.9 |
| 121 | 57.7 | 47.5 | 71.3 |

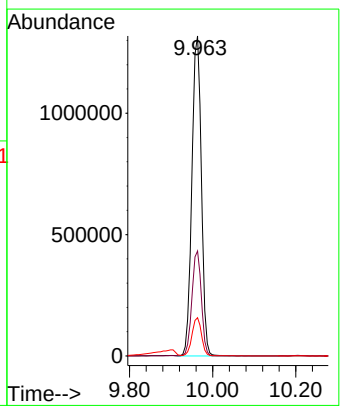


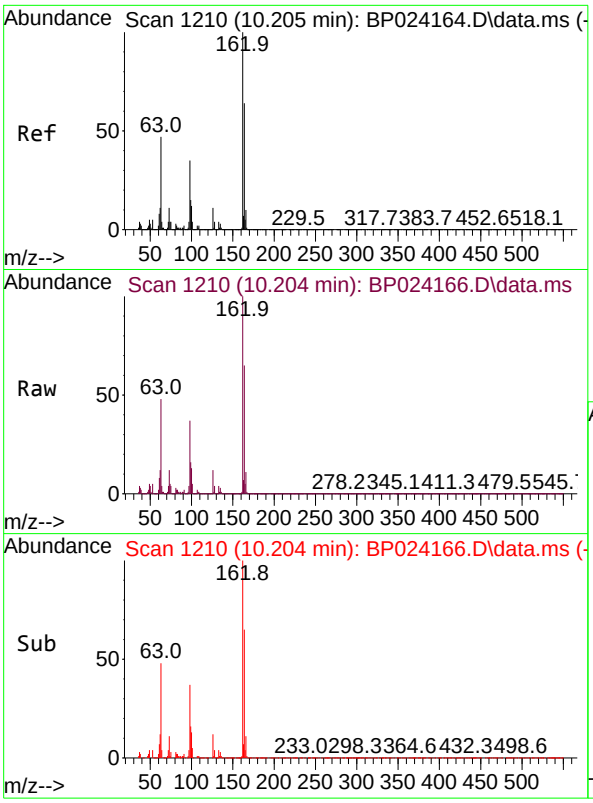




#28
bis(2-Chloroethoxy)methane
Concen: 61.742 ng
RT: 9.963 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion: 93 Resp: 2086687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.8 | 25.9 | 38.9 |
| 123 | 12.0 | 9.5 | 14.3 |



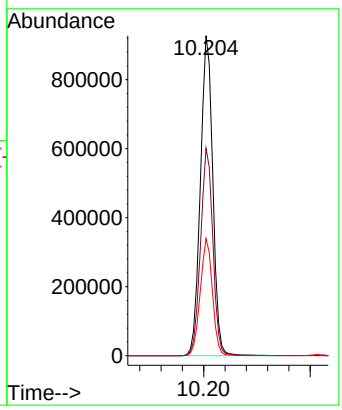


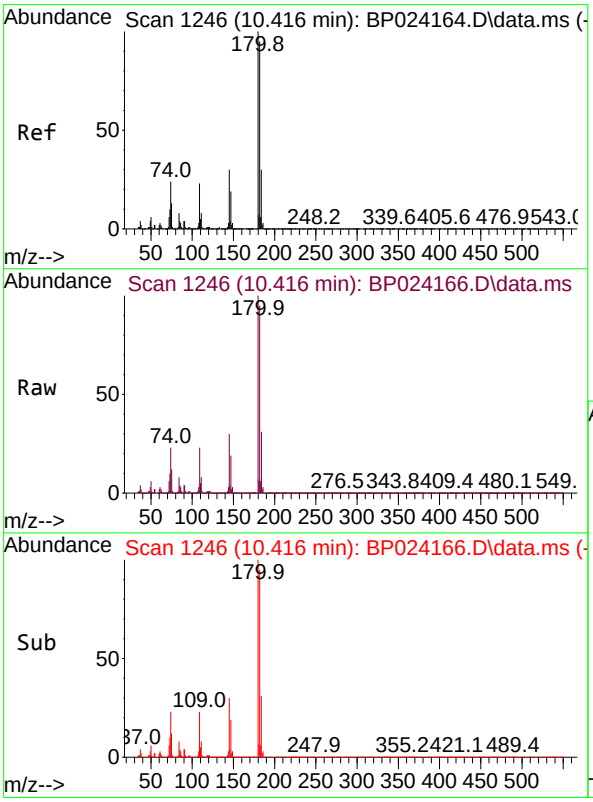

#29
2,4-Dichlorophenol
Concen: 64.609 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:162 Resp: 1497152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.8 | 44.2 | 84.2 |
| 98 | 36.6 | 15.1 | 55.1 |

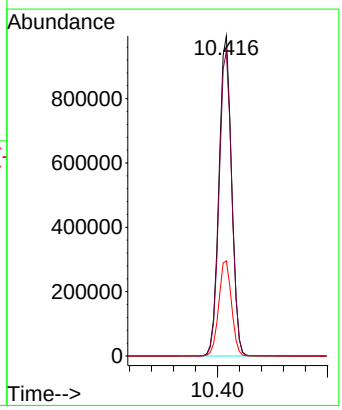


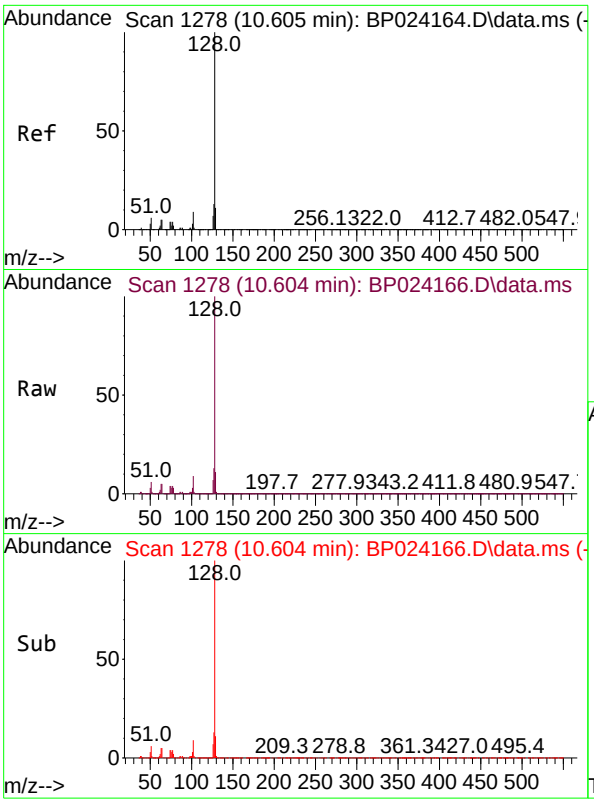




#30
1,2,4-Trichlorobenzene
Concen: 59.453 ng
RT: 10.416 min Scan# 1246
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:180 Resp: 1578453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 76.1 | 114.1 |
| 145 | 29.7 | 24.2 | 36.2 |



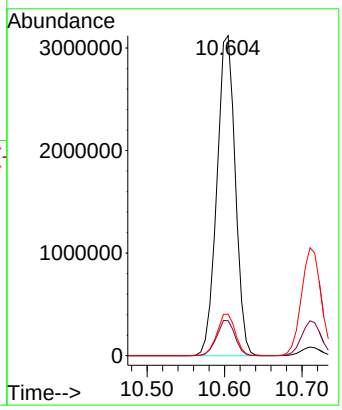


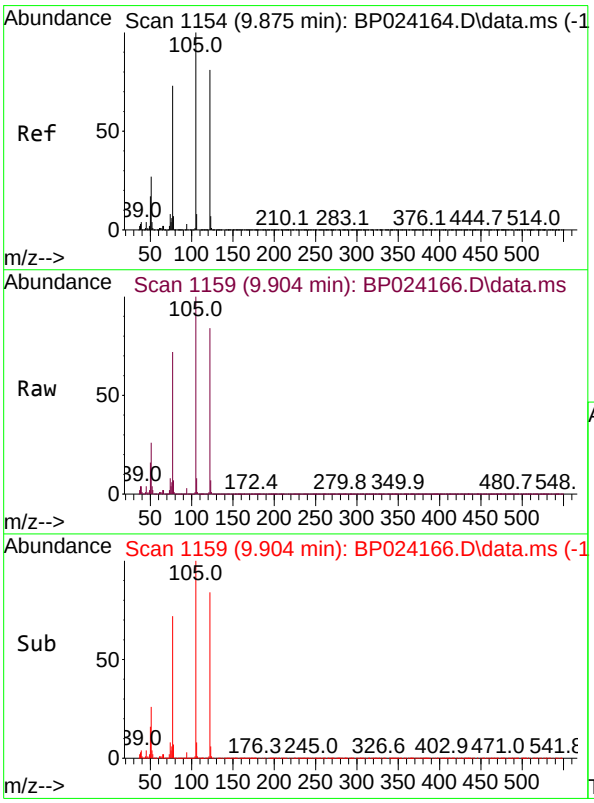

#31
Naphthalene
Concen: 60.129 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:128 Resp: 5145859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.7 | 13.1 |
| 127 | 13.0 | 10.4 | 15.6 |

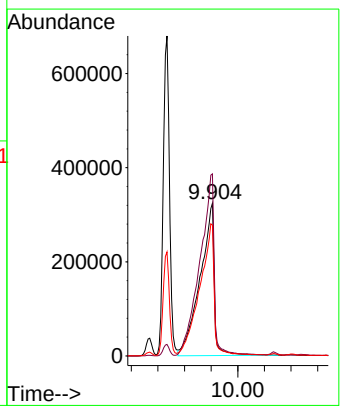


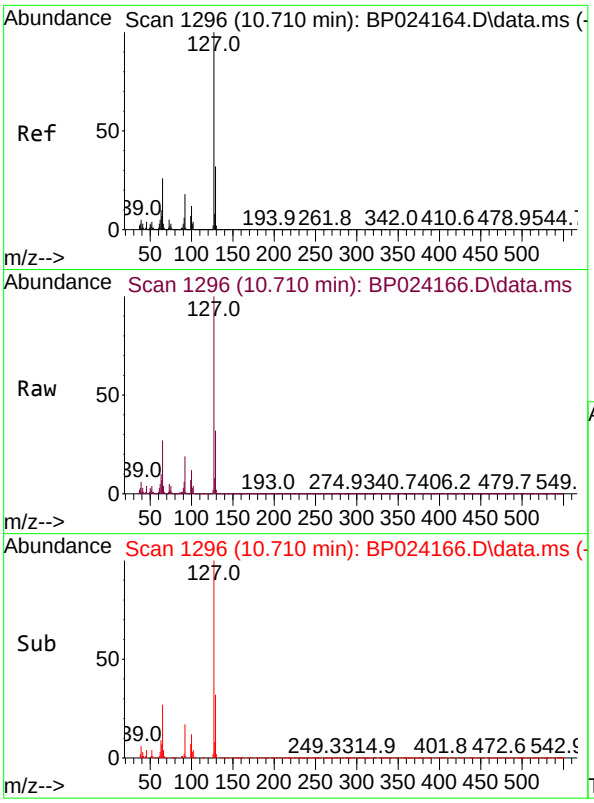




#32
Benzoic acid
Concen: 77.325 ng
RT: 9.904 min Scan# 1159
Delta R.T. 0.029 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:122 Resp: 1203679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 119.3 | 100.3 | 140.3 |
| 77 | 85.8 | 69.1 | 109.1 |



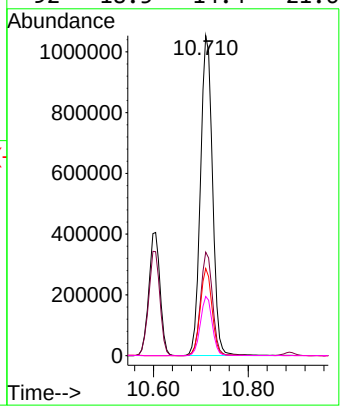


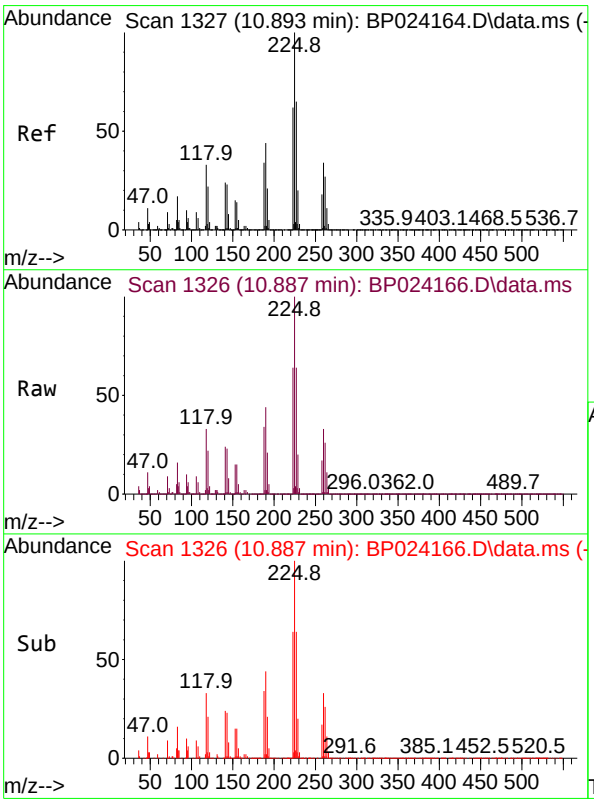

#33
4-Chloroaniline
Concen: 61.665 ng
RT: 10.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:127 Resp: 1859148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.4 | 25.8 | 38.6 |
| 65 | 27.3 | 21.2 | 31.8 |
| 92 | 18.5 | 14.4 | 21.6 |

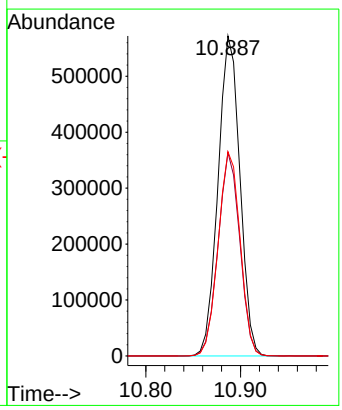


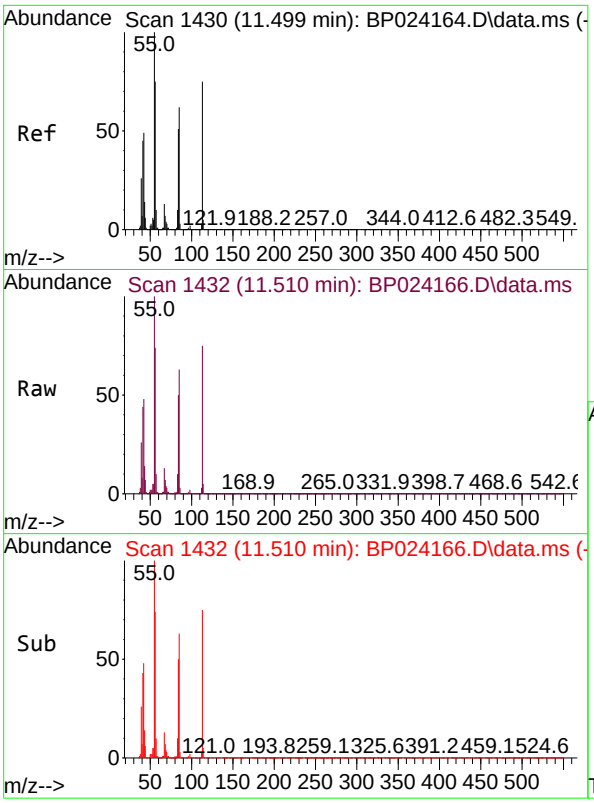




#34
Hexachlorobutadiene
Concen: 59.699 ng
RT: 10.887 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:225 Resp: 918034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.6 | 49.9 | 74.9 |
| 227 | 63.8 | 52.2 | 78.2 |



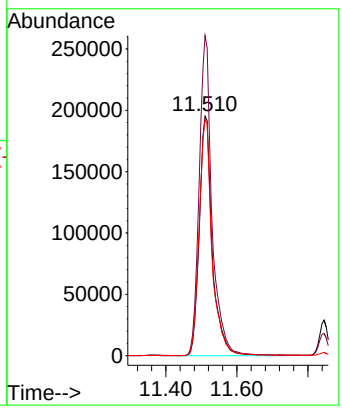


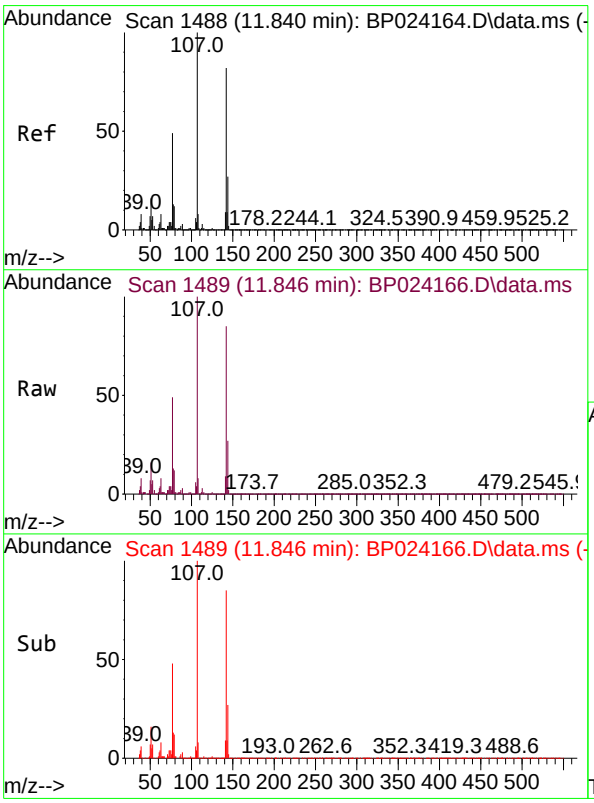

#35
Caprolactam
Concen: 70.784 ng
RT: 11.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:113 Resp: 496683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 133.6 | 113.6 | 153.6 |
| 56 | 98.8 | 80.0 | 120.0 |

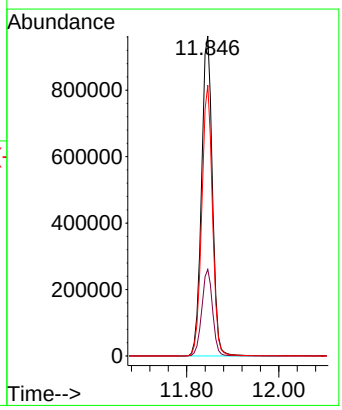


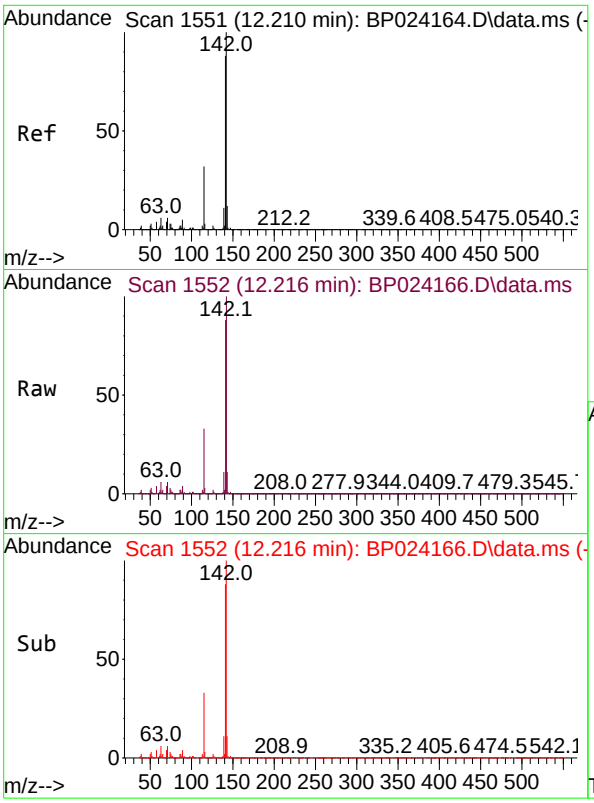




#36
4-Chloro-3-methylphenol
Concen: 66.451 ng
RT: 11.846 min Scan# 1489
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:107 Resp: 1582952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 27.1 | 21.6 | 32.4 |
| 142 | 84.6 | 65.4 | 98.0 |



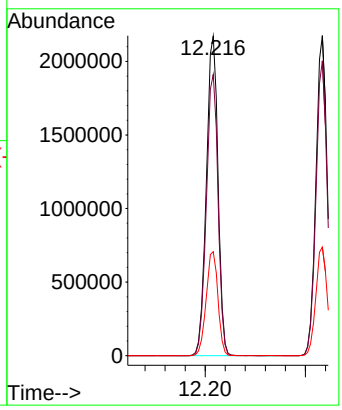


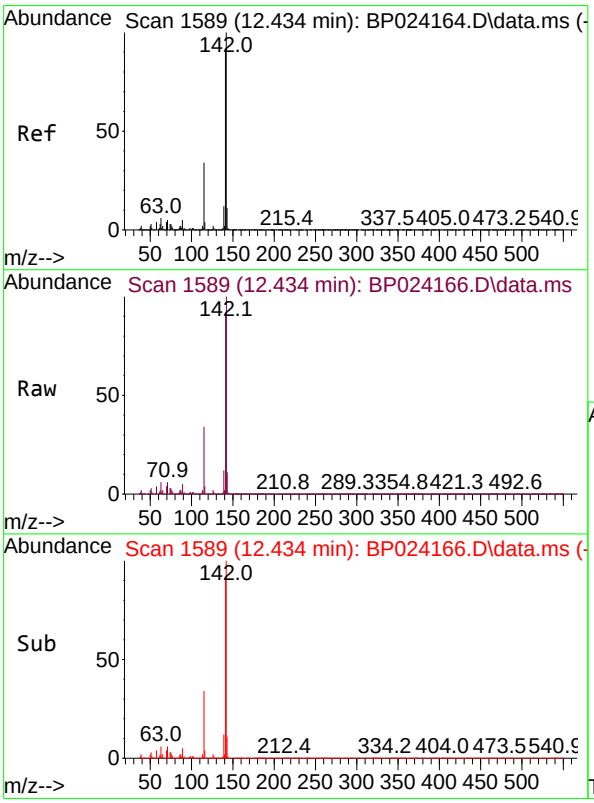

#37
2-Methylnaphthalene
Concen: 61.618 ng
RT: 12.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:142 Resp: 3504891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.0 | 70.3 | 105.5 |
| 115 | 32.6 | 26.0 | 39.0 |

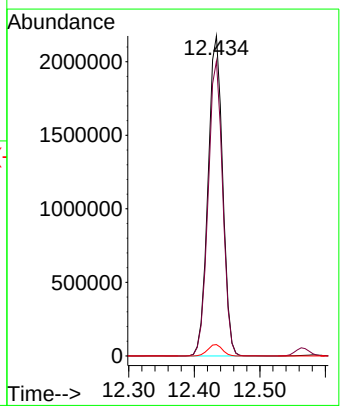


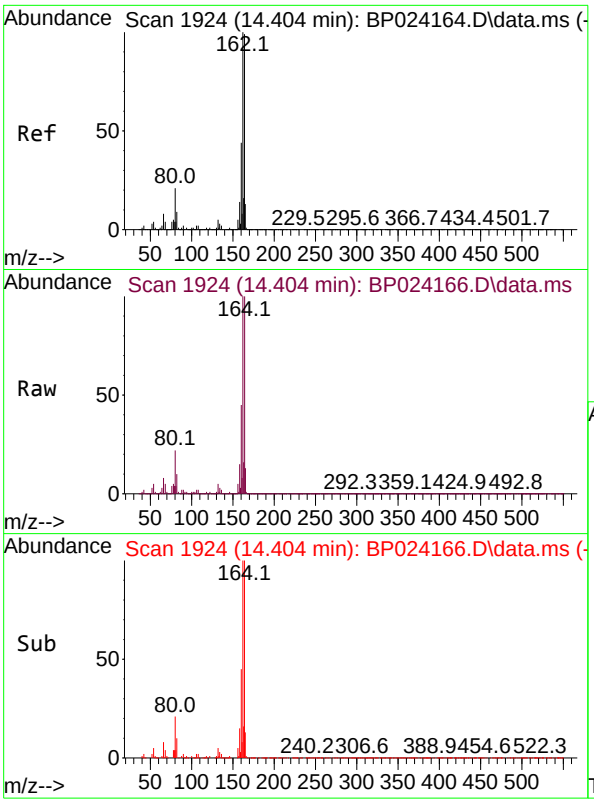




#38
1-Methylnaphthalene
Concen: 60.802 ng
RT: 12.434 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:142 Resp: 3364504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.2 | 73.9 | 110.9 |
| 116 | 3.6 | 2.8 | 4.2 |



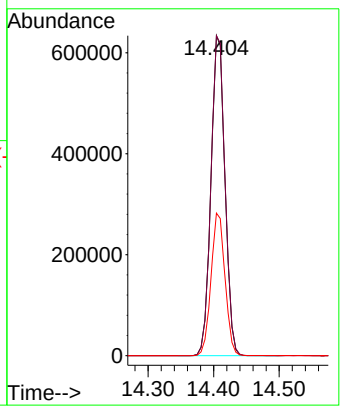


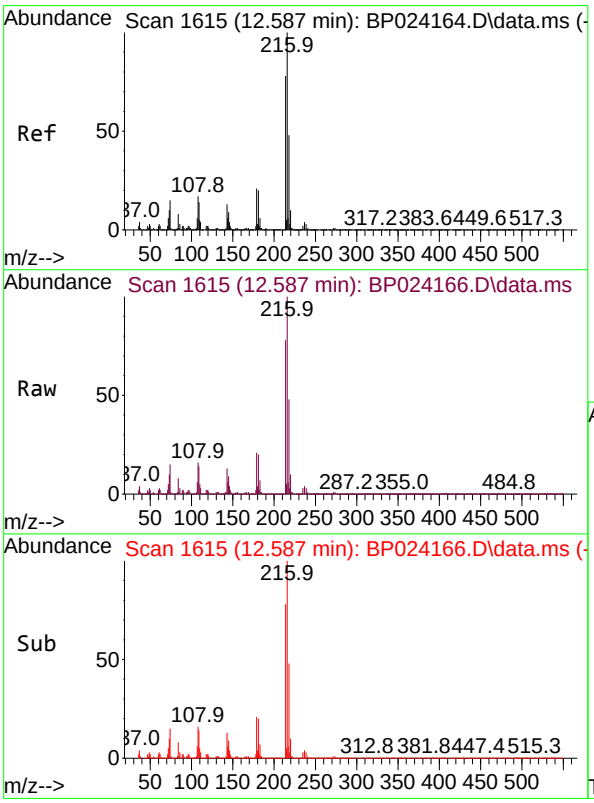

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:164 Resp: 936110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.0 | 80.6 | 121.0 |
| 160 | 44.5 | 35.4 | 53.2 |

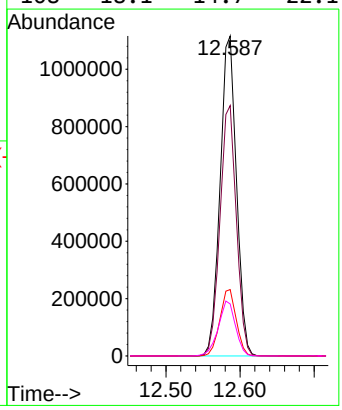


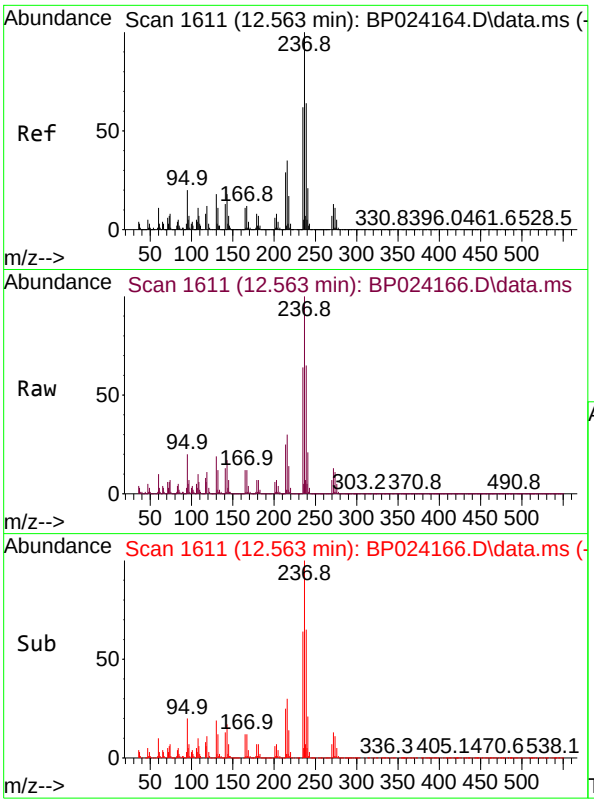




#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.382 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:216 Resp: 1707961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.5 | 62.8 | 94.2 |
| 179 | 20.9 | 16.8 | 25.2 |
| 108 | 18.1 | 14.7 | 22.1 |



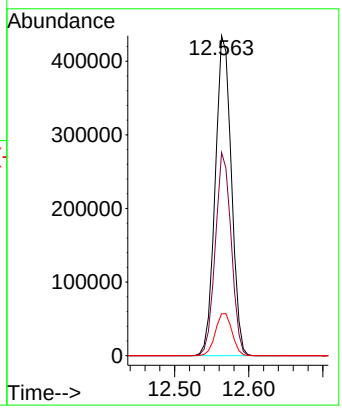


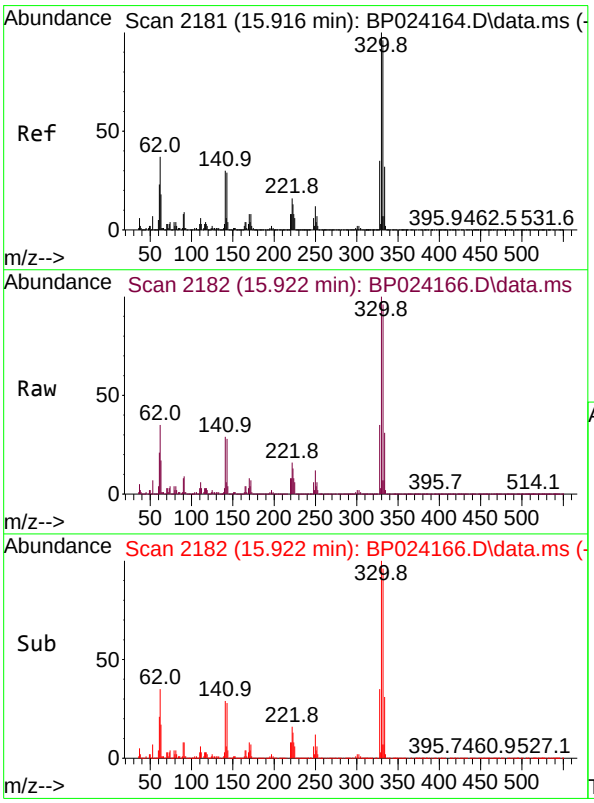

#41
Hexachlorocyclopentadiene
Concen: 61.365 ng
RT: 12.563 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:237 Resp: 656781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.5 | 41.8 | 81.8 |
| 272 | 13.1 | 0.0 | 33.5 |

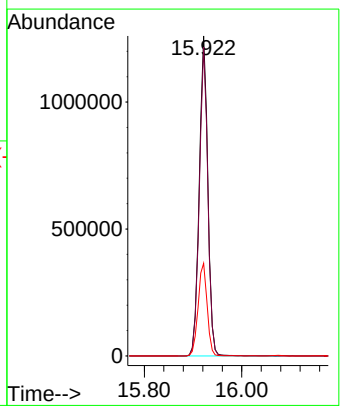


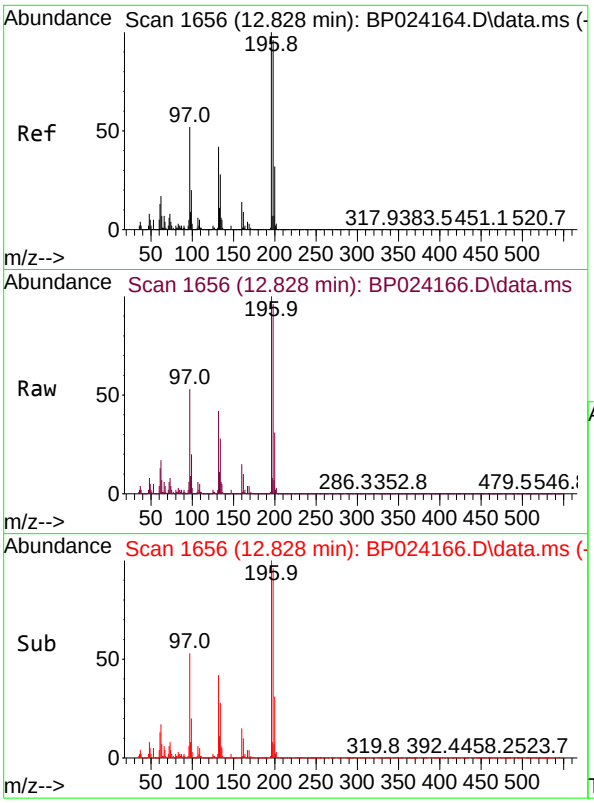




#42
2,4,6-Tribromophenol
Concen: 134.511 ng
RT: 15.922 min Scan# 2182
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:330 Resp: 1542341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.0 | 77.6 | 116.4 |
| 141 | 30.6 | 25.0 | 37.6 |



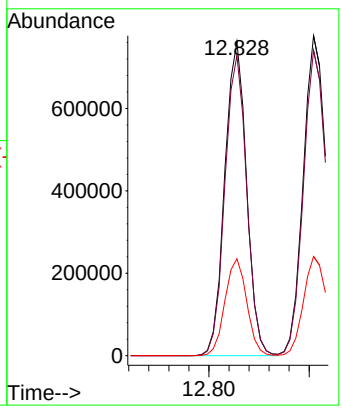


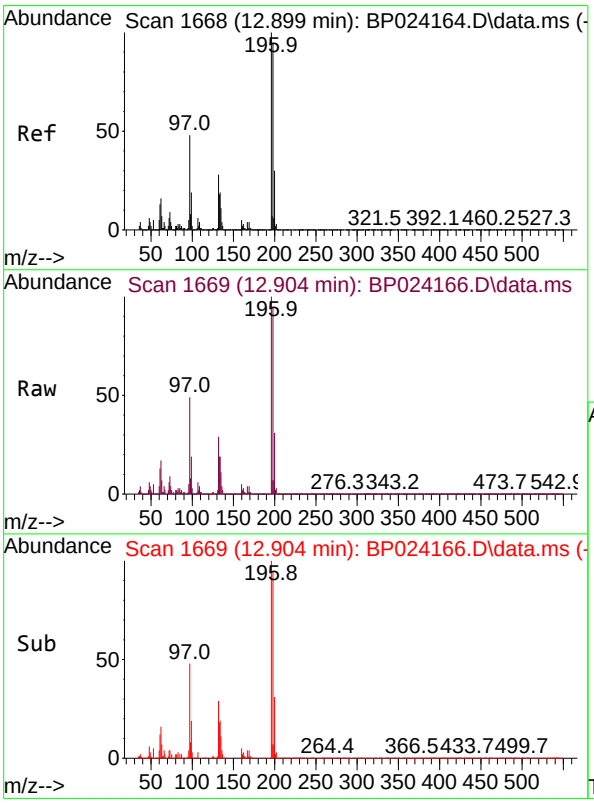

#43
2,4,6-Trichlorophenol
Concen: 65.478 ng
RT: 12.828 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:196 Resp: 1148545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.6 | 76.6 | 115.0 |
| 200 | 30.9 | 25.4 | 38.0 |

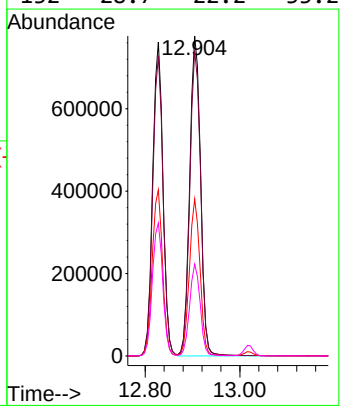


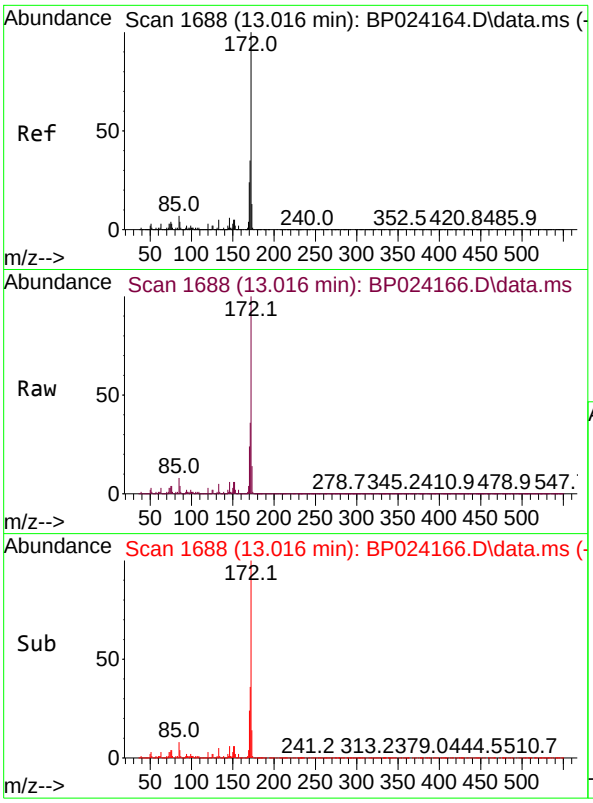




#44
2,4,5-Trichlorophenol
Concen: 64.282 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:196 Resp: 1233147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.4 | 76.5 | 114.7 |
| 97 | 49.0 | 38.7 | 58.1 |
| 132 | 28.7 | 22.2 | 33.2 |



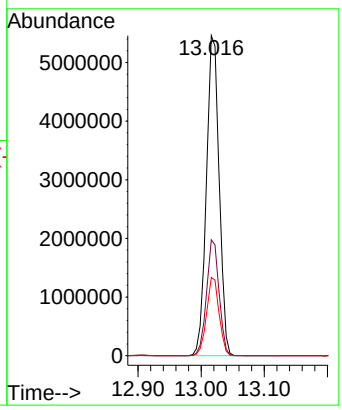


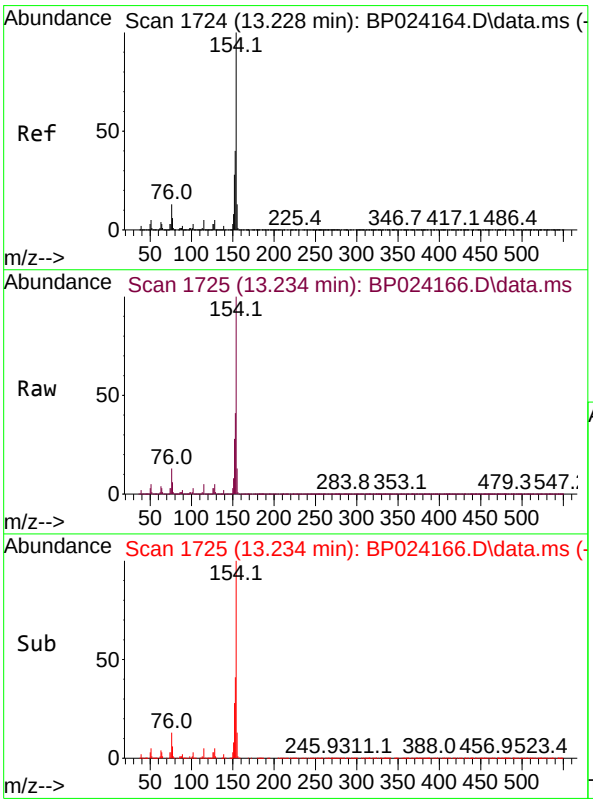

#45
2-Fluorobiphenyl
Concen: 114.626 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:172 Resp: 7675412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.2 | 28.3 | 42.5 |
| 170 | 24.5 | 19.0 | 28.4 |

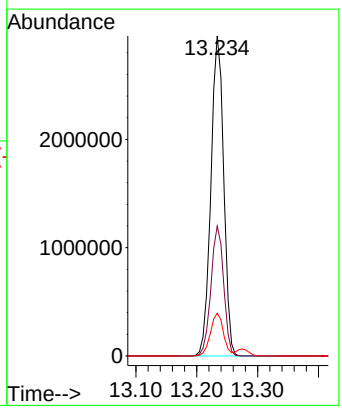


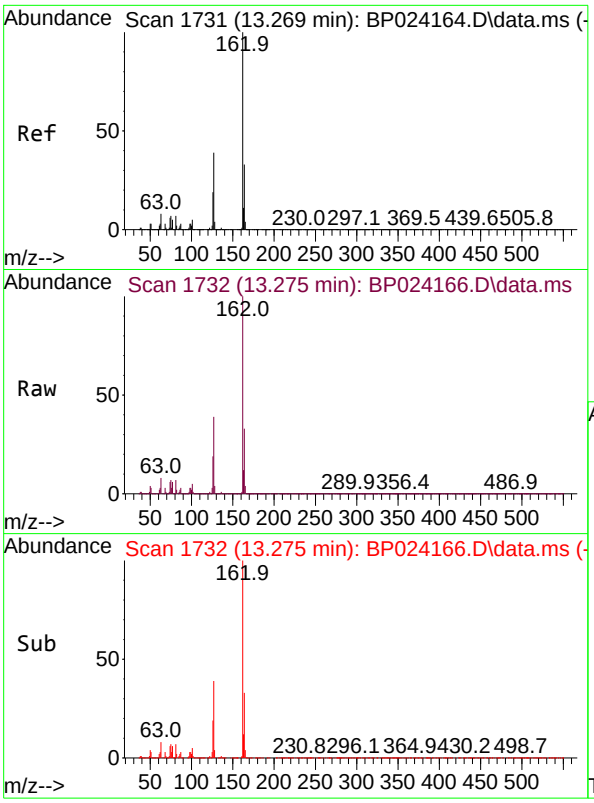




#46
1,1'-Biphenyl
Concen: 59.291 ng
RT: 13.234 min Scan# 1725
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:154 Resp: 4312903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.6 | 20.3 | 60.3 |
| 76 | 13.4 | 0.0 | 32.9 |



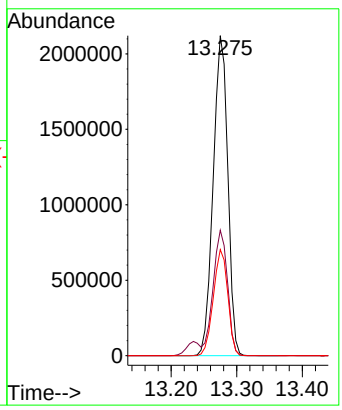


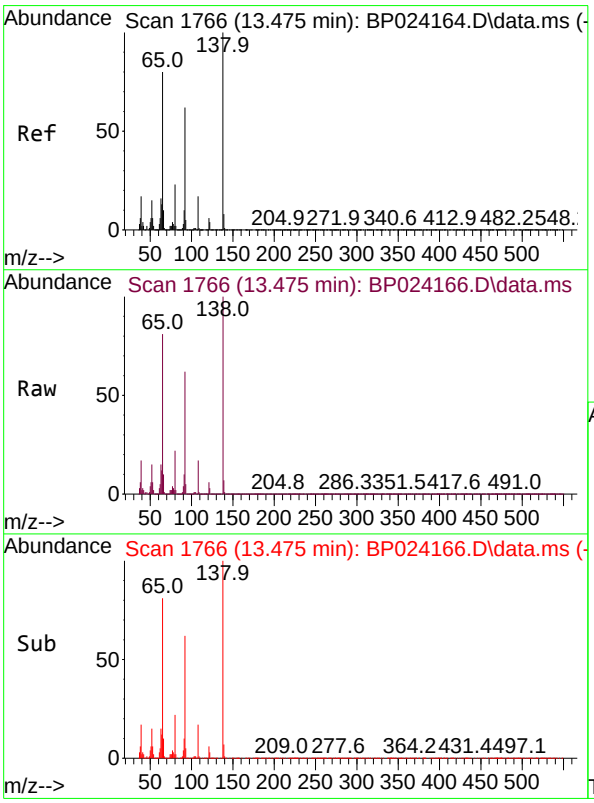

#47
2-Chloronaphthalene
Concen: 59.452 ng
RT: 13.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:162 Resp: 3269176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 39.2 | 31.5 | 47.3 |
| 164 | 33.2 | 26.6 | 39.8 |

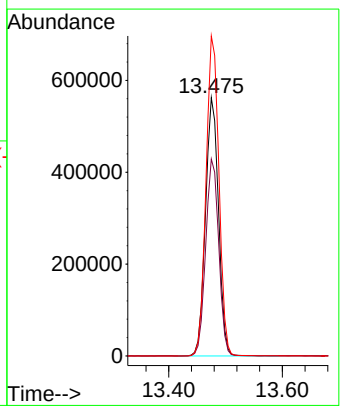


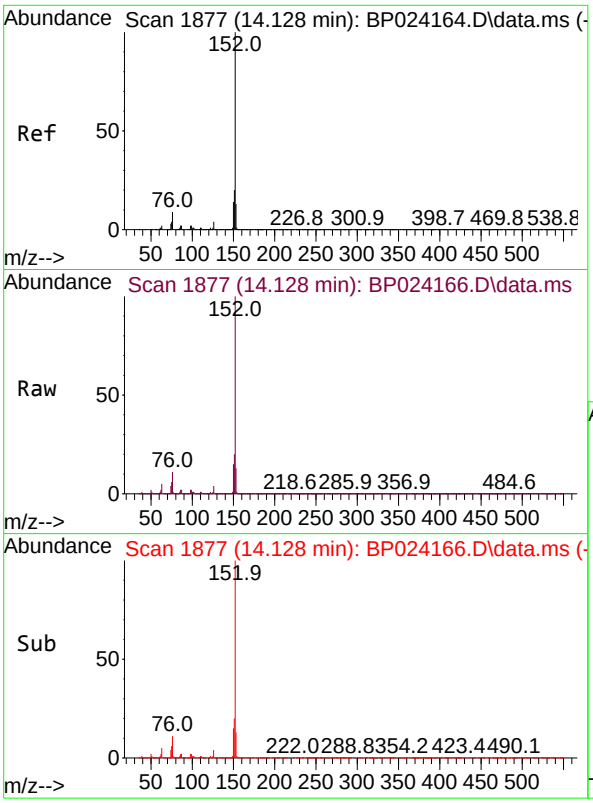




#48
2-Nitroaniline
Concen: 68.533 ng
RT: 13.475 min Scan# 1766
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion: 65 Resp: 890207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 76.3 | 62.1 | 93.1 |
| 138 | 123.9 | 99.5 | 149.3 |



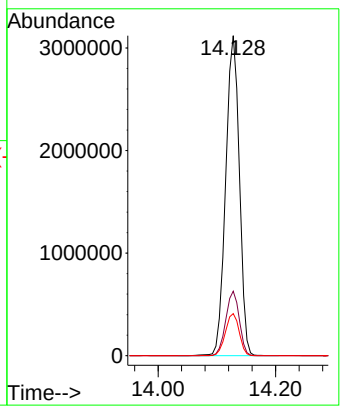


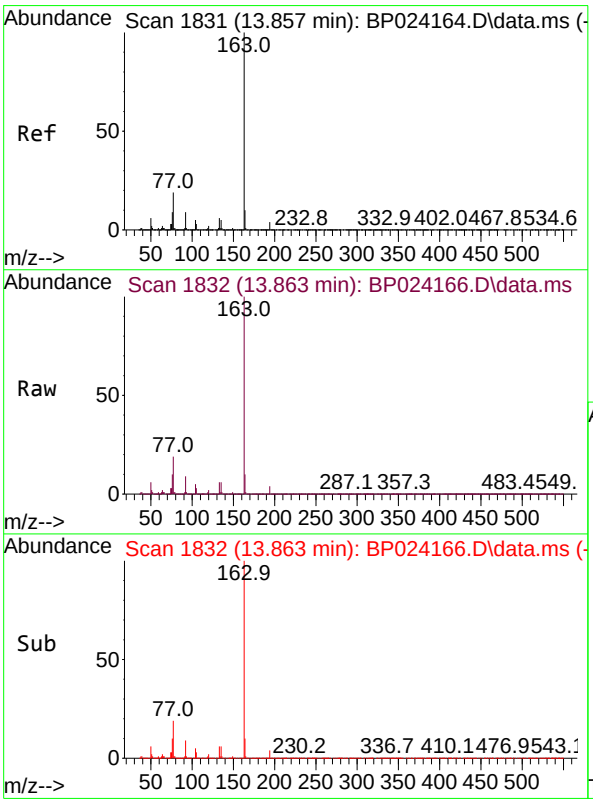

#49
Acenaphthylene
Concen: 62.024 ng
RT: 14.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:152 Resp: 5025011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.2 | 16.0 | 24.0 |
| 153 | 13.1 | 10.6 | 15.8 |

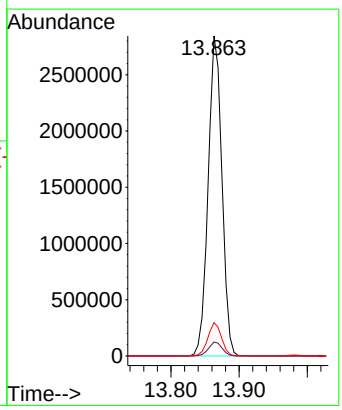


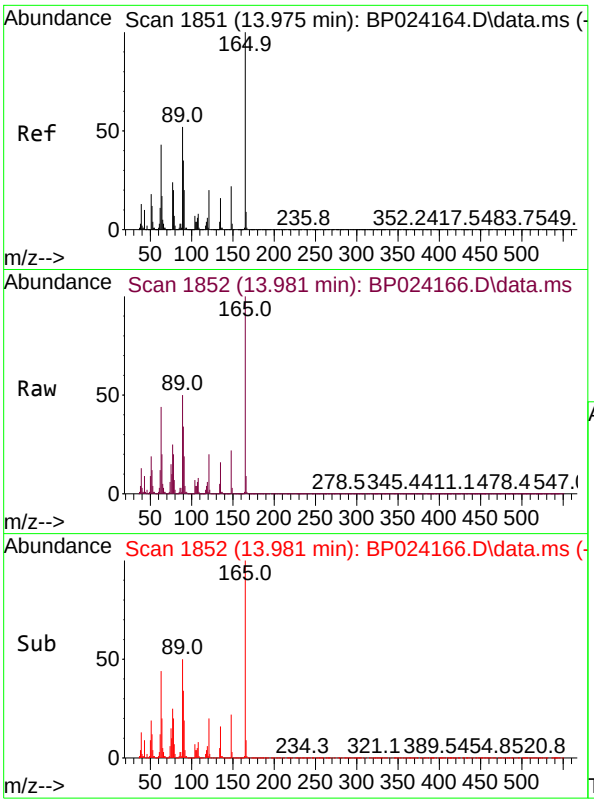




#50
Dimethylphthalate
Concen: 60.542 ng
RT: 13.863 min Scan# 1832
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:163 Resp: 3997694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.4 | 5.0 |
| 164 | 10.4 | 8.2 | 12.4 |



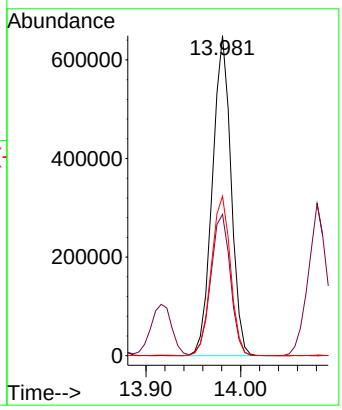


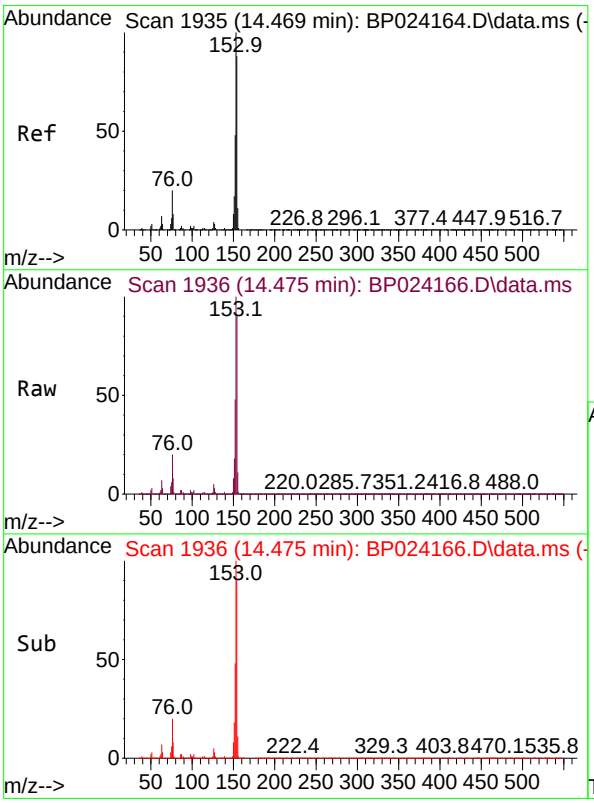

#51
2,6-Dinitrotoluene
Concen: 65.996 ng
RT: 13.981 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:165 Resp: 887706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 44.1 | 37.7 | 56.5 |
| 89 | 49.9 | 41.9 | 62.9 |

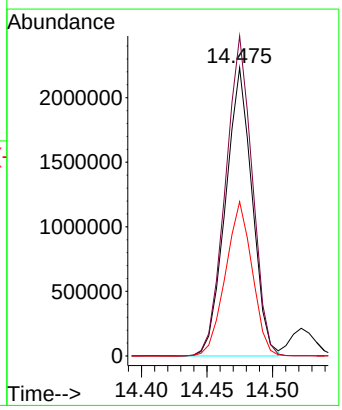


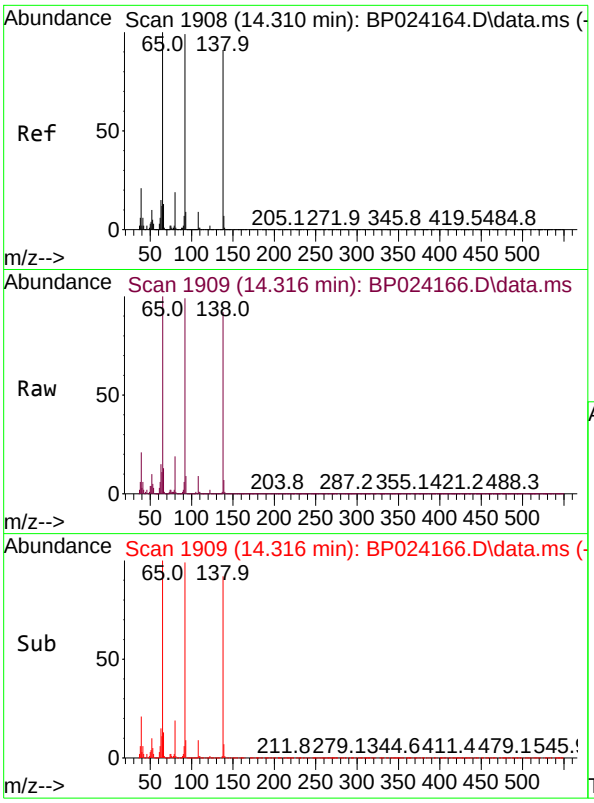




#52
Acenaphthene
Concen: 60.450 ng
RT: 14.475 min Scan# 1936
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:154 Resp: 3153799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.1 | 90.5 | 135.7 |
| 152 | 53.5 | 43.1 | 64.7 |



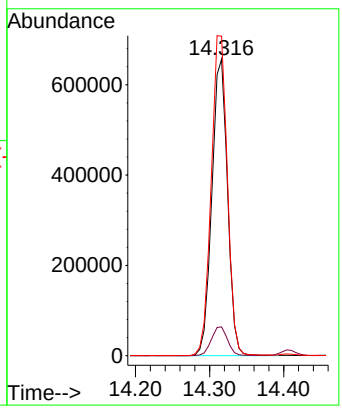


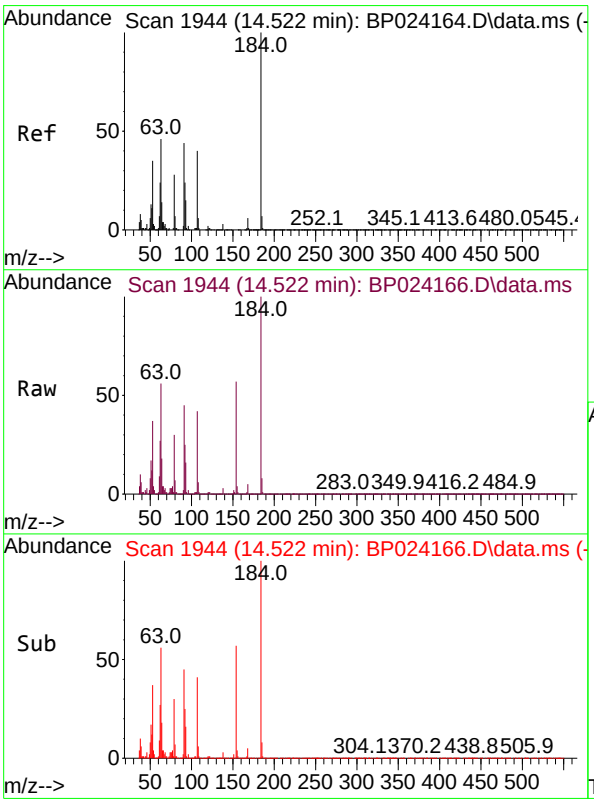

#53
3-Nitroaniline
Concen: 67.123 ng
RT: 14.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:138 Resp: 963434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 9.7 | 8.2 | 12.2 |
| 92 | 107.7 | 86.7 | 130.1 |

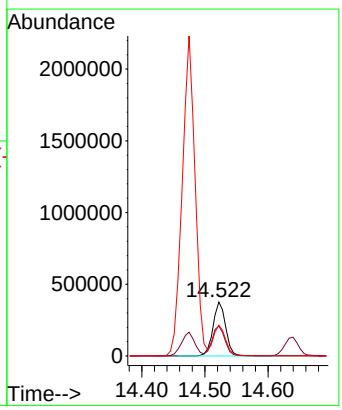


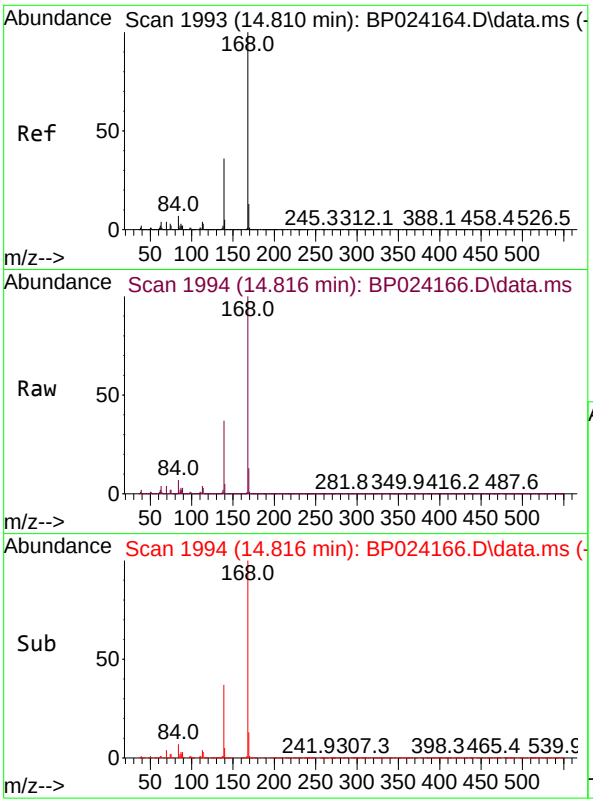




#54
2,4-Dinitrophenol
Concen: 73.093 ng
RT: 14.522 min Scan# 1944
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:184 Resp: 523590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 55.6 | 42.1 | 63.1 |
| 154 | 56.9 | 44.6 | 67.0 |



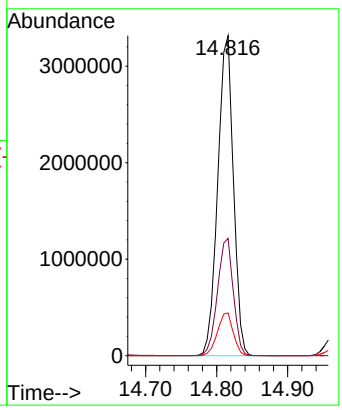


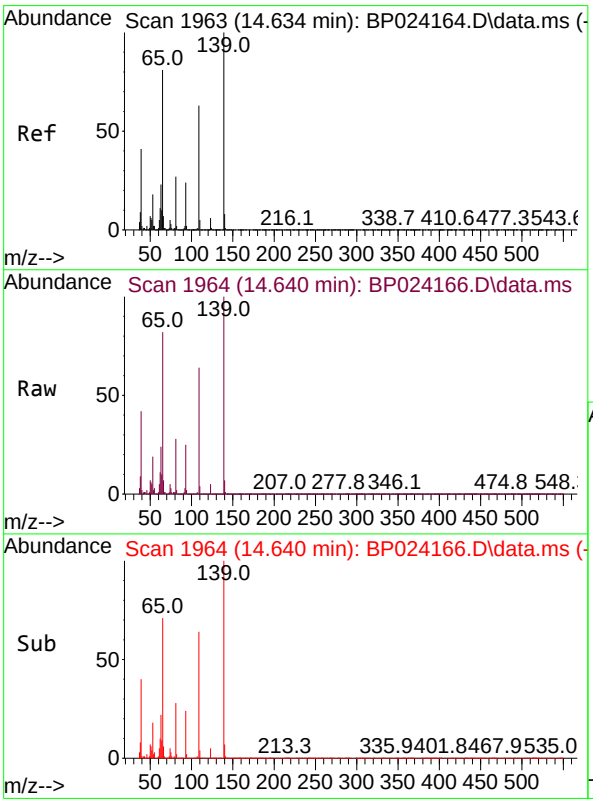

#55
Dibenzofuran
Concen: 59.602 ng
RT: 14.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:168 Resp: 5051493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 36.6 | 29.1 | 43.7 |
| 169 | 13.4 | 10.8 | 16.2 |

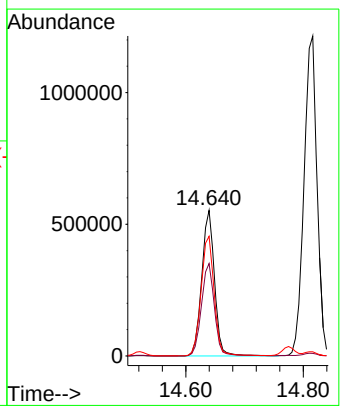


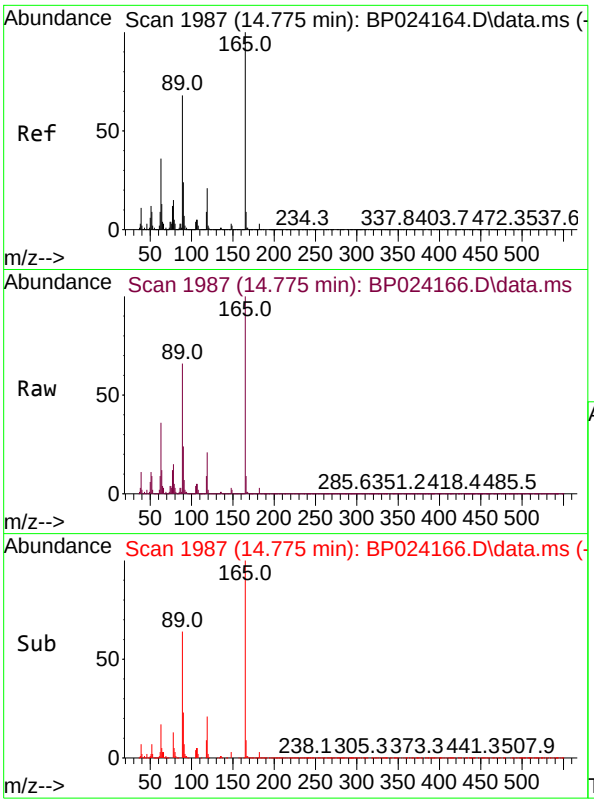




#56
4-Nitrophenol
Concen: 67.086 ng
RT: 14.640 min Scan# 1964
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:139 Resp: 831765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 63.5 | 43.3 | 83.3 |
| 65 | 82.1 | 61.2 | 101.2 |



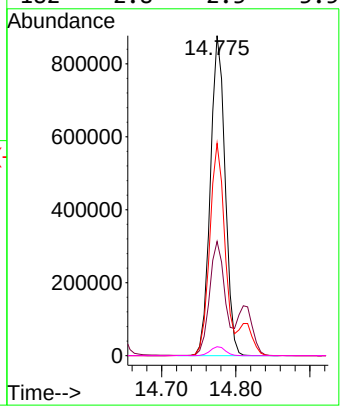


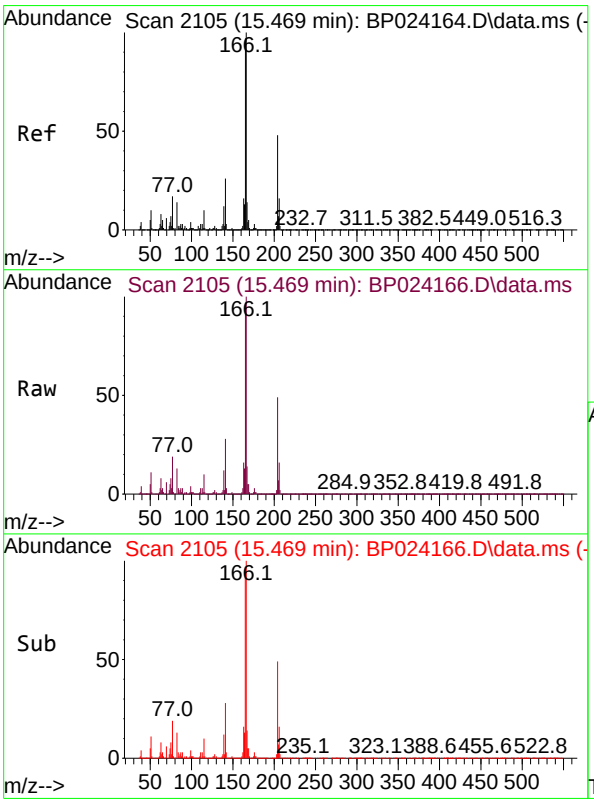

#57
2,4-Dinitrotoluene
Concen: 69.346 ng
RT: 14.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:165 Resp: 1211692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 35.7 | 29.0 | 43.6 |
| 89 | 66.4 | 54.2 | 81.4 |
| 182 | 2.8 | 2.3 | 3.5 |

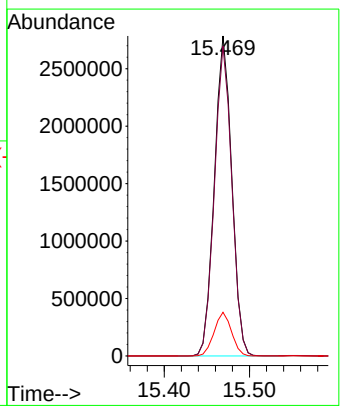


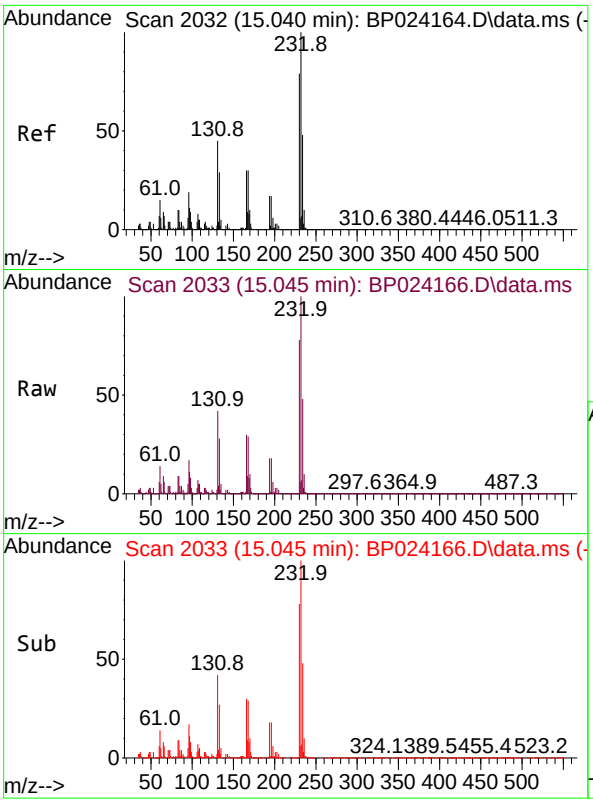




#58
Fluorene
Concen: 59.702 ng
RT: 15.469 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:166 Resp: 3951671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.9 | 77.6 | 116.4 |
| 167 | 13.7 | 10.8 | 16.2 |



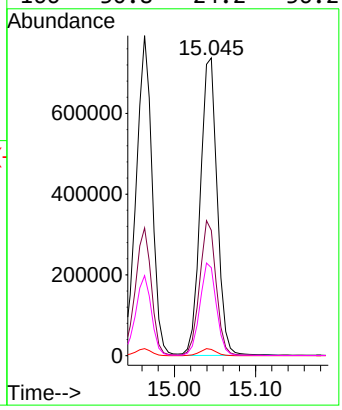


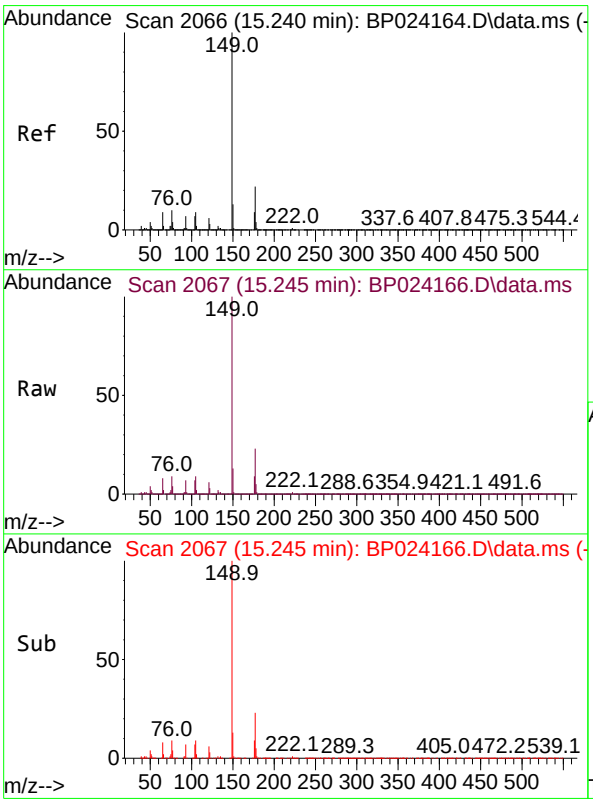

#59
2,3,4,6-Tetrachlorophenol
Concen: 63.439 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:232 Resp: 1055860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 44.7 | 35.9 | 53.9 |
| 130 | 2.3 | 1.8 | 2.6 |
| 166 | 30.8 | 24.2 | 36.2 |

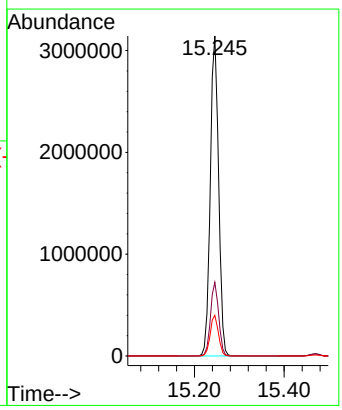


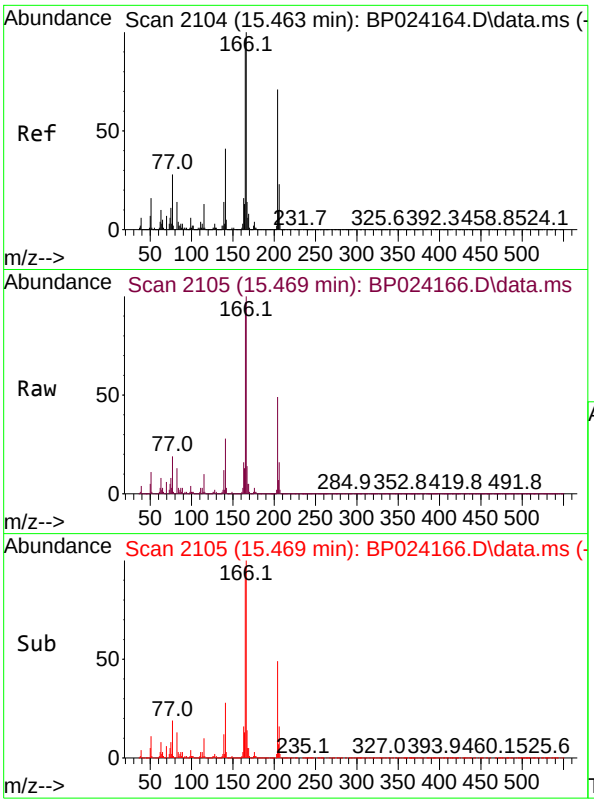




#60
Diethylphthalate
Concen: 61.486 ng
RT: 15.245 min Scan# 2067
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:149 Resp: 4030341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 23.0 | 17.7 | 26.5 |
| 150 | 12.7 | 10.2 | 15.4 |



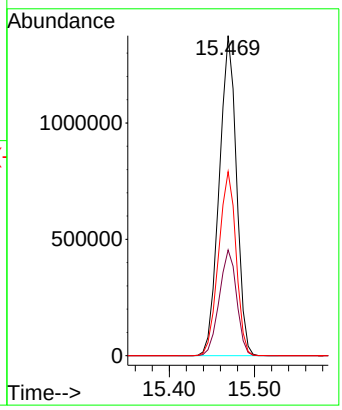


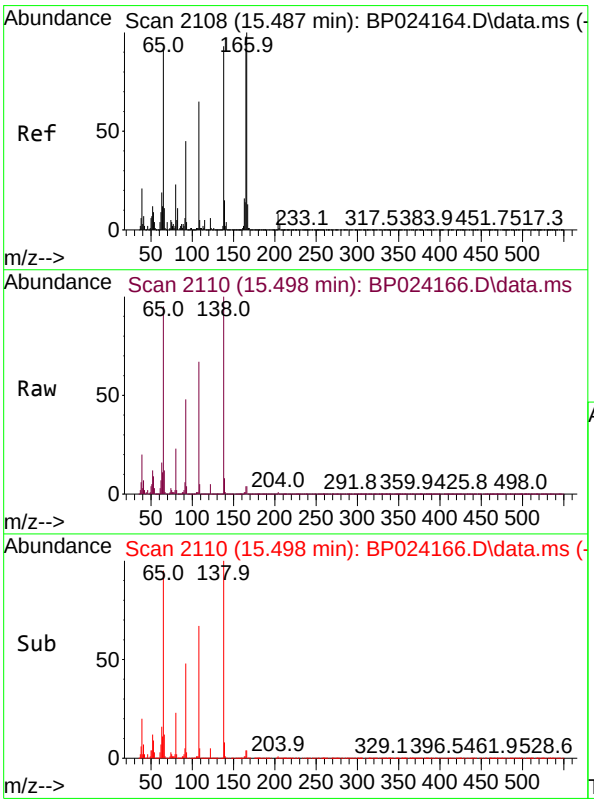

#61
4-Chlorophenyl-phenylether
Concen: 59.370 ng
RT: 15.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:204 Resp: 1934265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.1 | 26.4 | 39.6 |
| 141 | 57.5 | 45.8 | 68.8 |

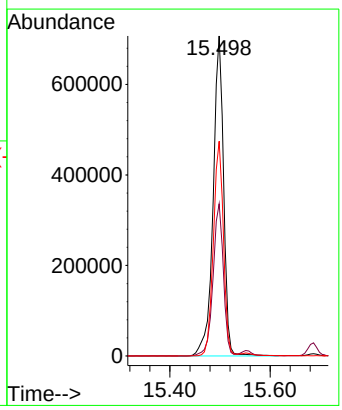


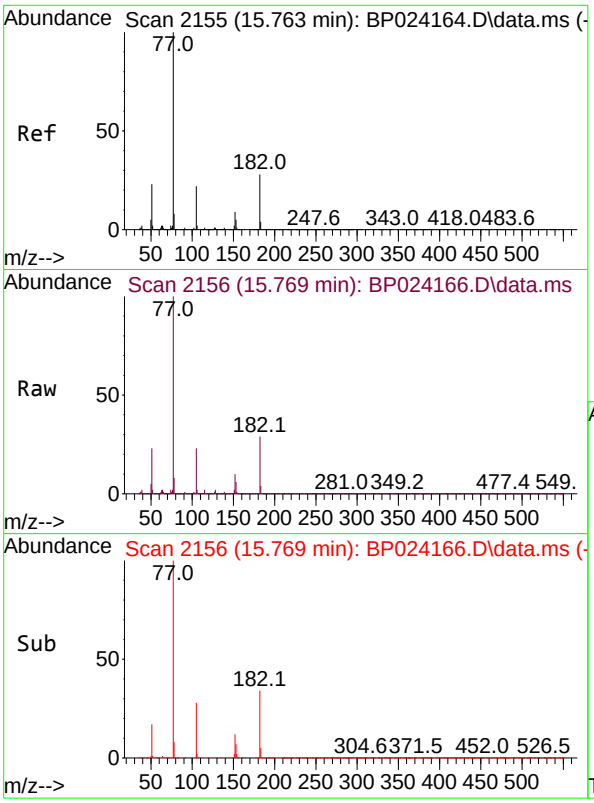




#62
4-Nitroaniline
Concen: 68.824 ng
RT: 15.498 min Scan# 2110
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:138 Resp: 1025149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 47.5 | 28.7 | 68.7 |
| 108 | 67.1 | 49.5 | 89.5 |



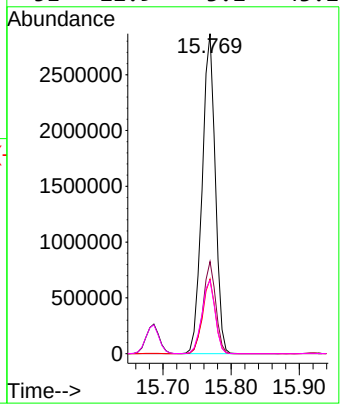


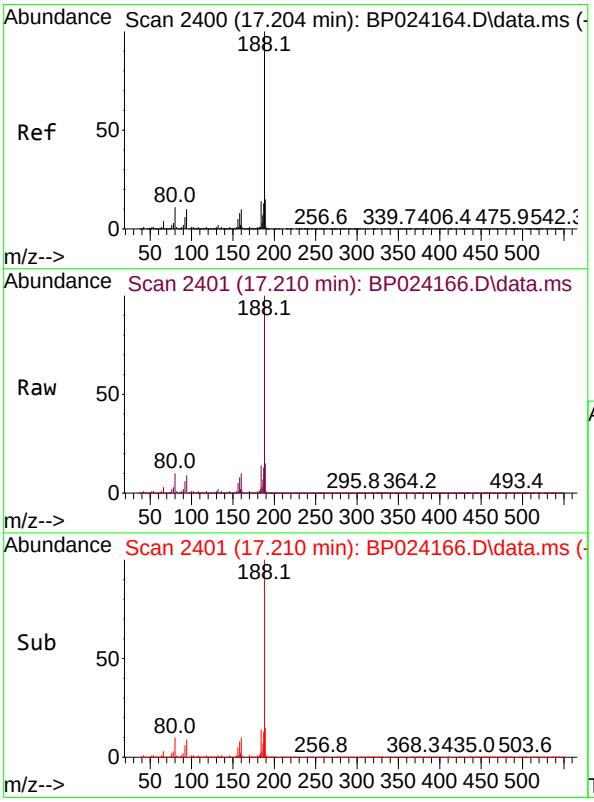

#63
Azobenzene
Concen: 62.340 ng
RT: 15.769 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion: 77 Resp: 3829148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 28.8 | 7.7 | 47.7 |
| 105 | 23.3 | 2.3 | 42.3 |
| 51 | 22.9 | 3.2 | 43.2 |

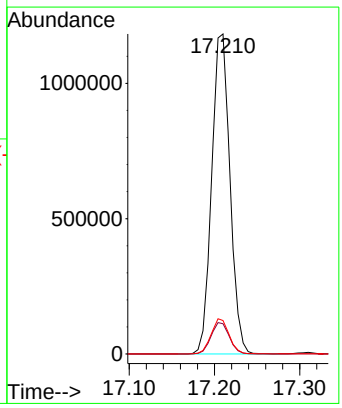


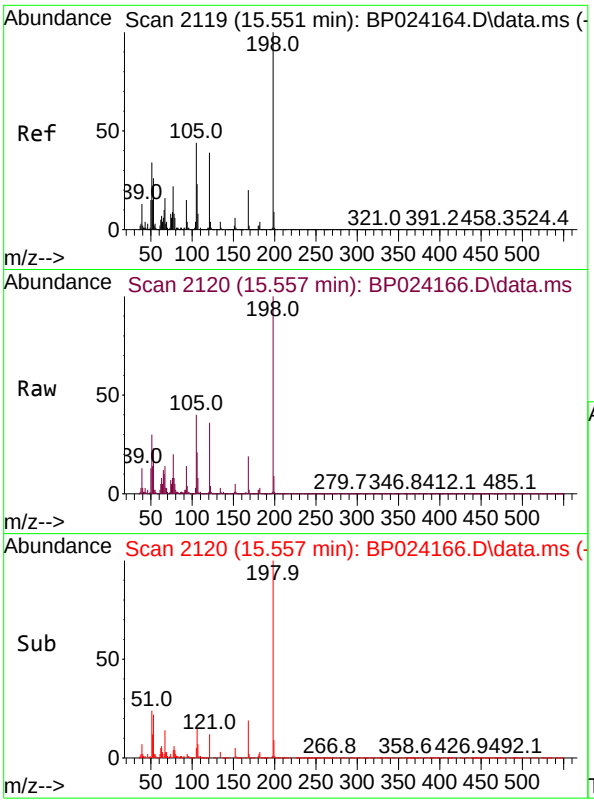




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 2401
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:188 Resp: 1759587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.5 | 8.1 | 12.1 |
| 80 | 10.5 | 8.9 | 13.3 |



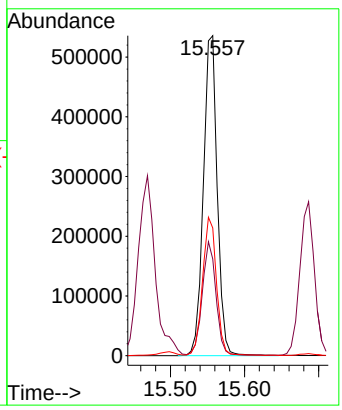


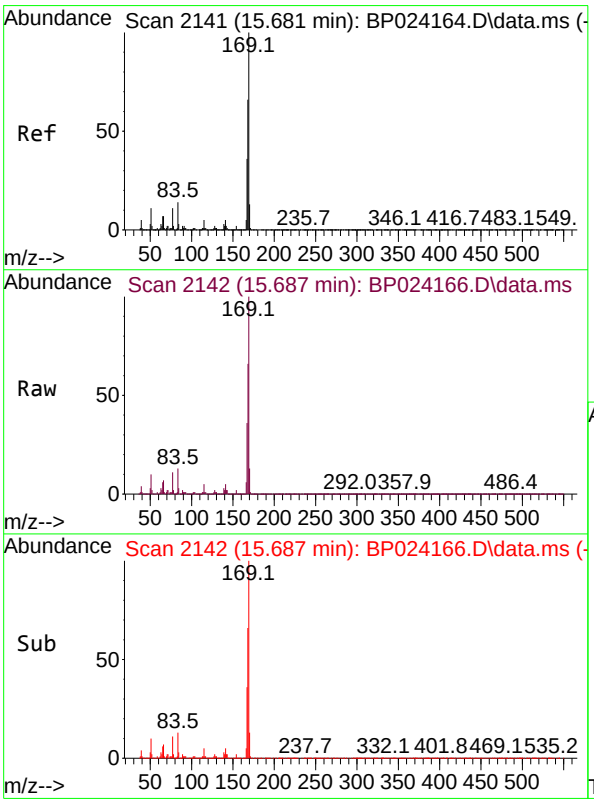

#65
4,6-Dinitro-2-methylphenol
Concen: 68.563 ng
RT: 15.557 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:198 Resp: 698260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 30.2 | 14.7 | 54.7 |
| 105 | 39.9 | 23.8 | 63.8 |

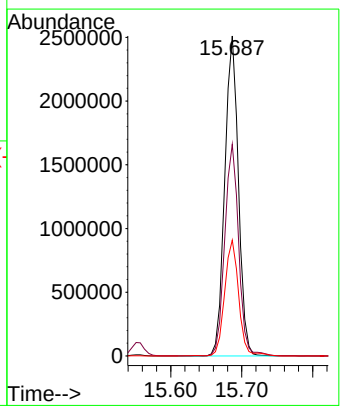


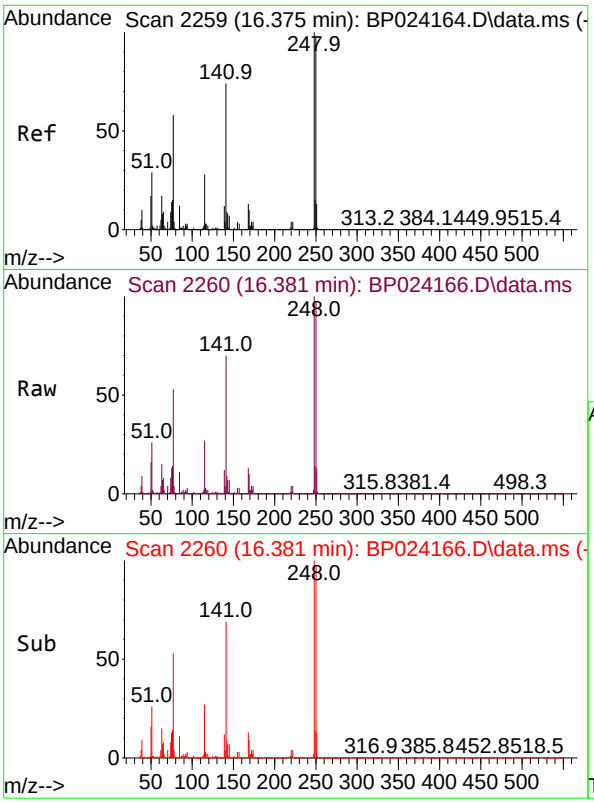




#66
n-Nitrosodiphenylamine
Concen: 60.776 ng
RT: 15.687 min Scan# 2142
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:169 Resp: 3334914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.2 | 52.9 | 79.3 |
| 167 | 36.2 | 28.8 | 43.2 |



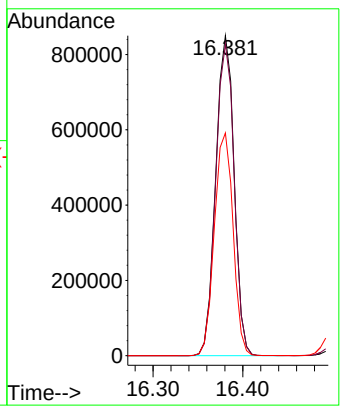


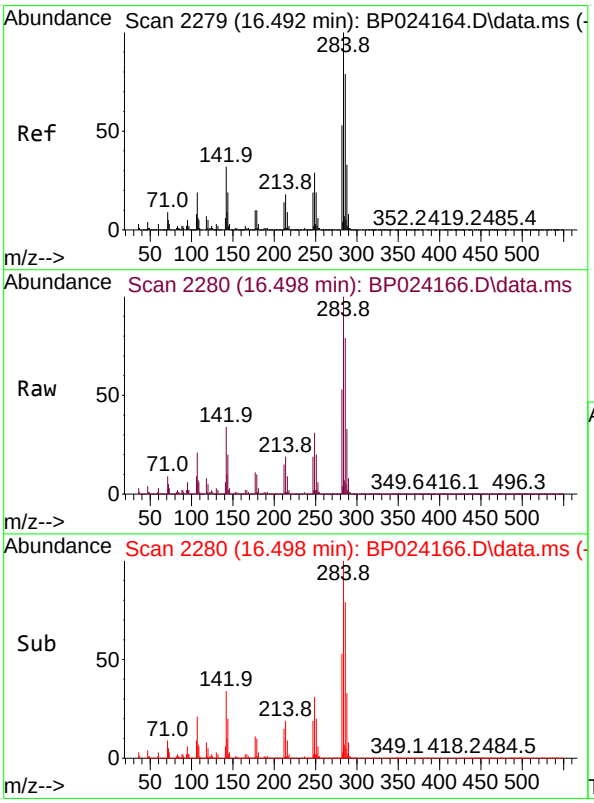

#67
4-Bromophenyl-phenylether
Concen: 61.311 ng
RT: 16.381 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:248 Resp: 1211468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.4 | 78.4 | 117.6 |
| 141 | 69.6 | 59.4 | 89.0 |

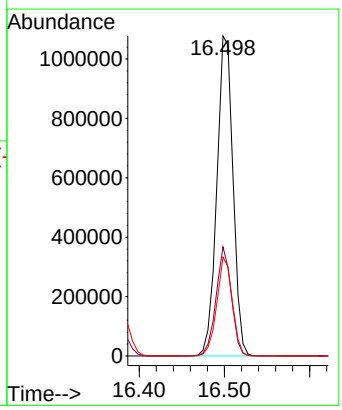


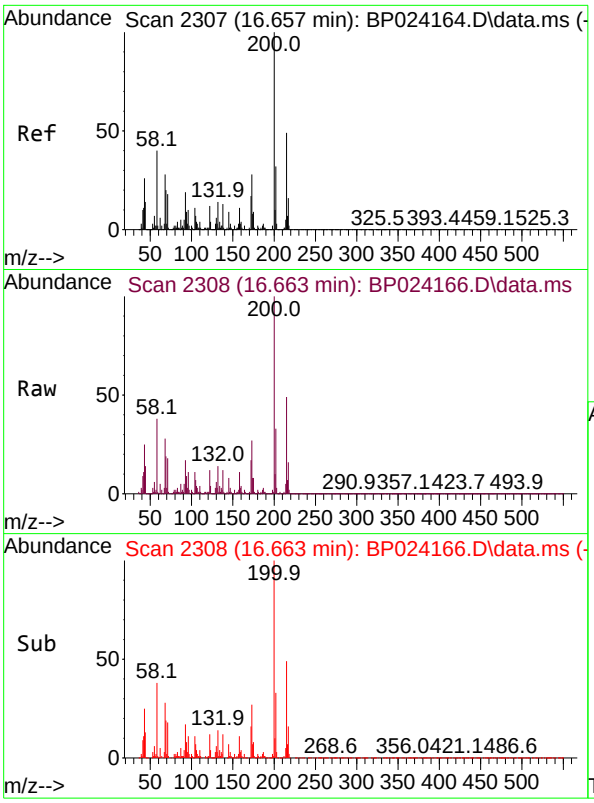




#68
Hexachlorobenzene
Concen: 61.320 ng
RT: 16.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:284 Resp: 1425714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.1 | 25.4 | 38.2 |
| 249 | 30.9 | 23.5 | 35.3 |



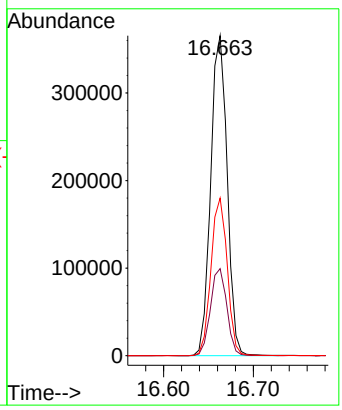


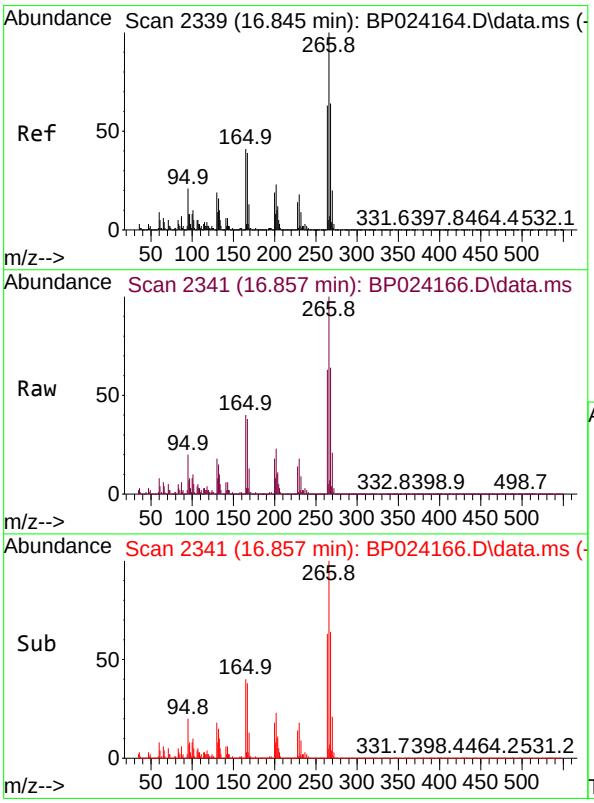

#69
Atrazine
Concen: 33.031 ng
RT: 16.663 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:200 Resp: 465136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.2 | 7.6 | 47.6 |
| 215 | 49.3 | 29.0 | 69.0 |

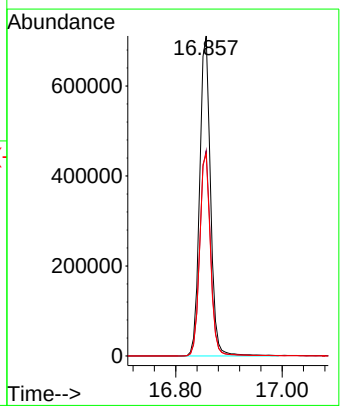


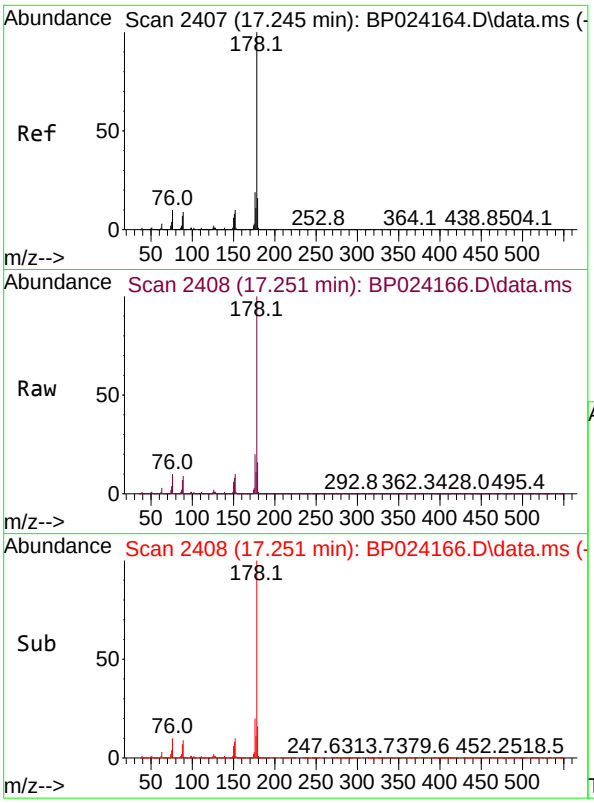




#70
Pentachlorophenol
Concen: 66.402 ng
RT: 16.857 min Scan# 2341
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:266 Resp: 1002726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.2 | 51.3 | 76.9 |
| 264 | 63.1 | 50.6 | 76.0 |



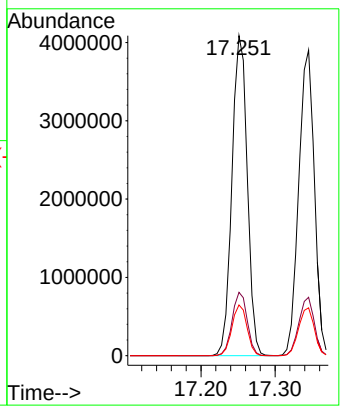


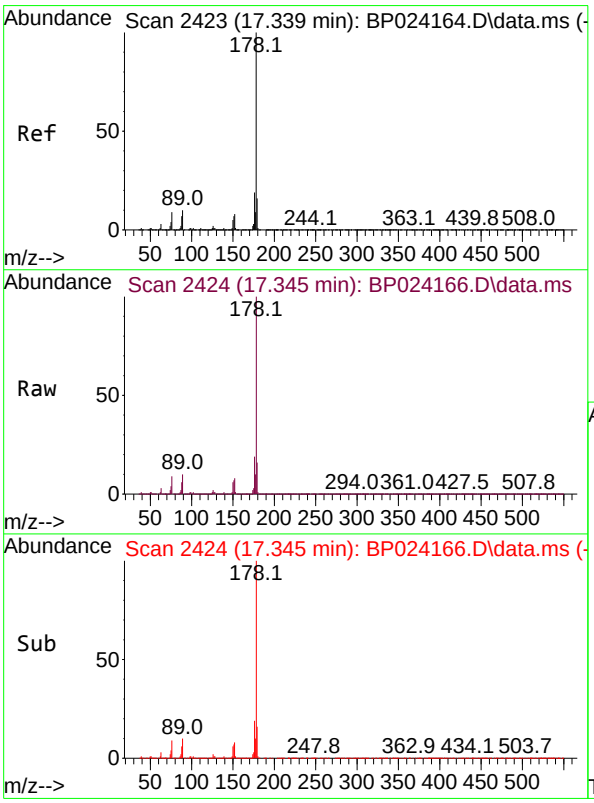

#71
Phenanthrene
Concen: 59.103 ng
RT: 17.251 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:178 Resp: 5863198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.8 | 15.6 | 23.4 |
| 179 | 15.9 | 12.5 | 18.7 |

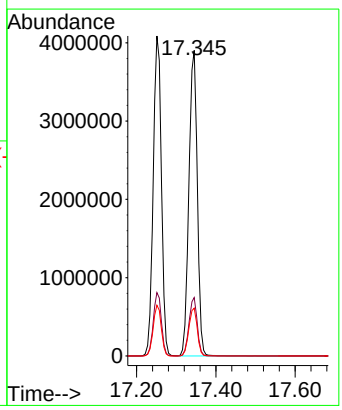


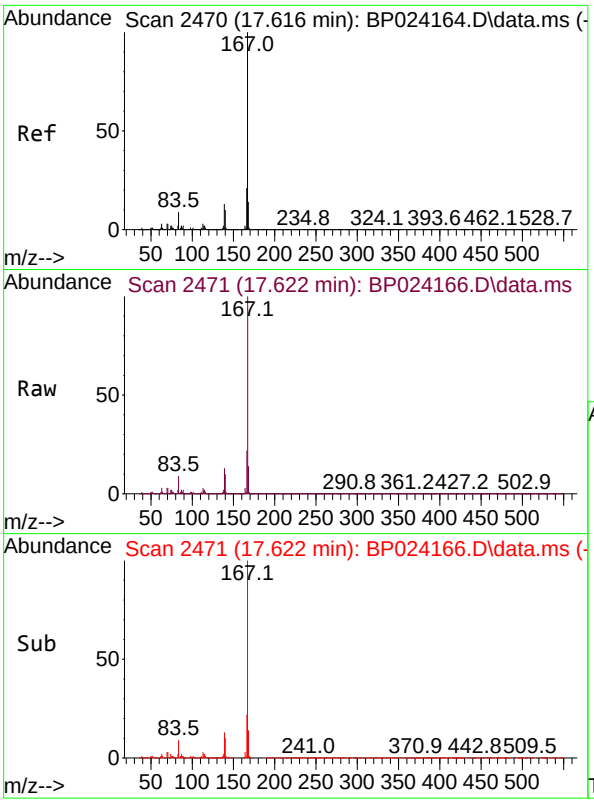




#72
Anthracene
Concen: 60.532 ng
RT: 17.345 min Scan# 2424
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:178 Resp: 5754537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 15.2 | 22.8 |
| 179 | 15.6 | 12.6 | 18.8 |



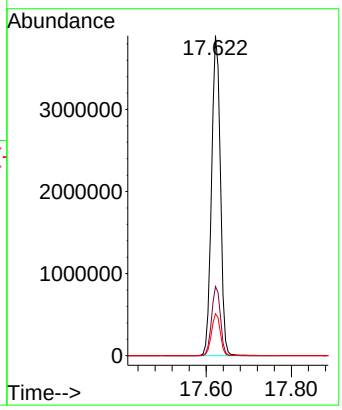


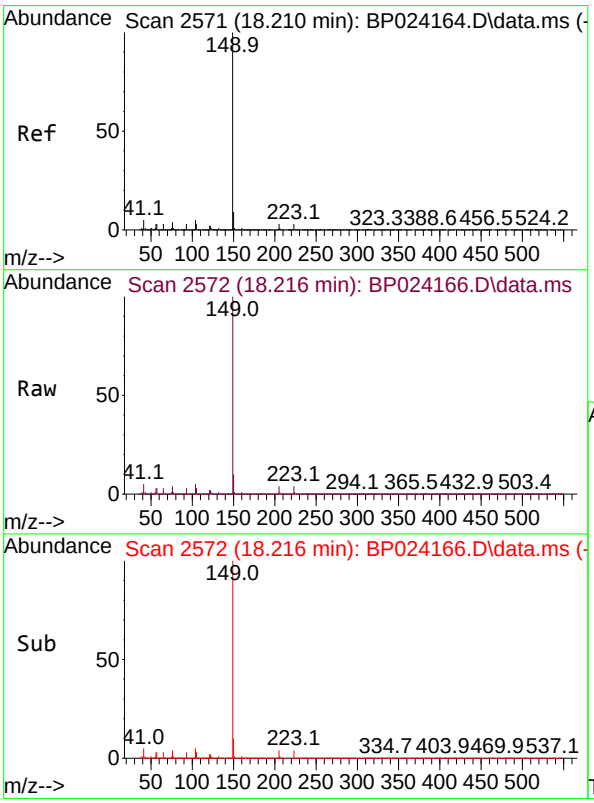

#73
Carbazole
Concen: 61.810 ng
RT: 17.622 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:167 Resp: 5598533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.6 | 17.1 | 25.7 |
| 139 | 13.1 | 10.2 | 15.4 |

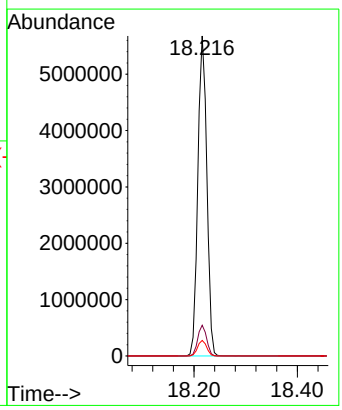


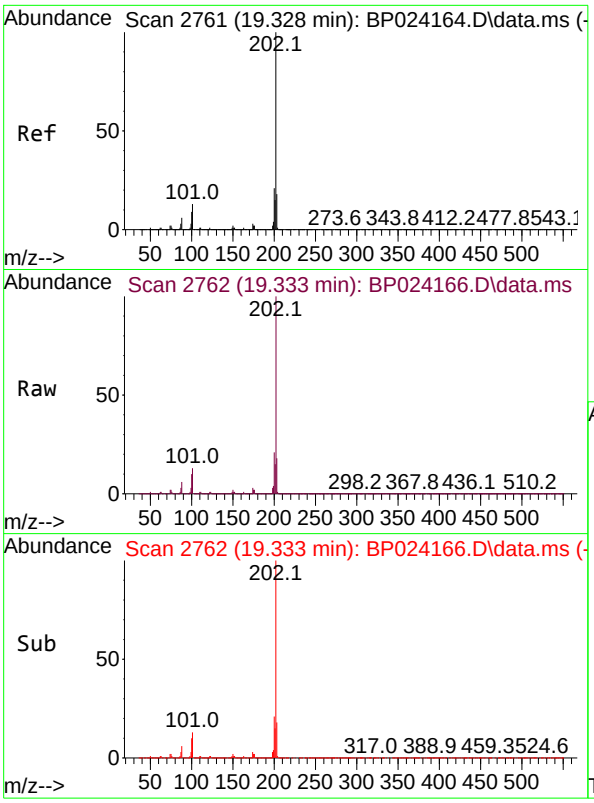




#74
Di-n-butylphthalate
Concen: 64.761 ng
RT: 18.216 min Scan# 2572
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:149 Resp: 6844468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.6 | 7.6 | 11.4 |
| 104 | 4.9 | 3.9 | 5.9 |



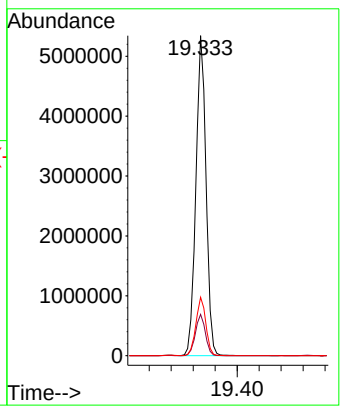


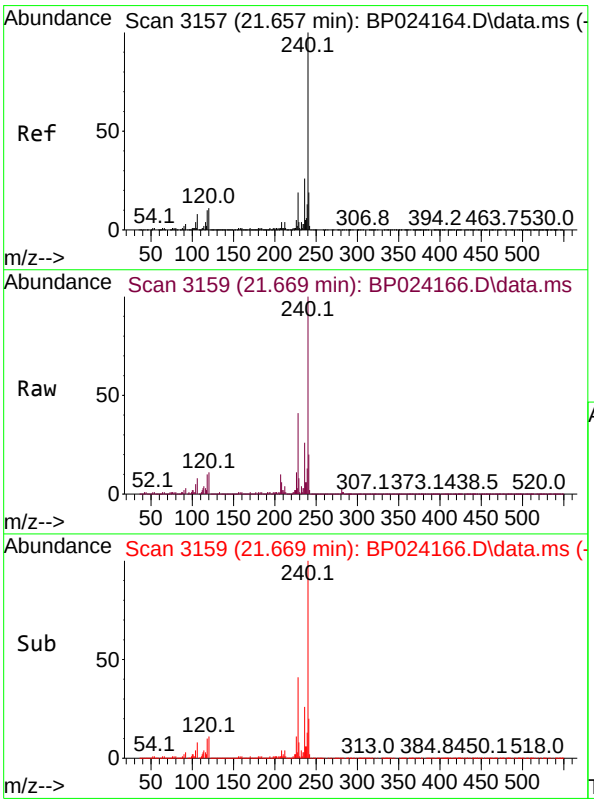

#75
Fluoranthene
Concen: 61.042 ng
RT: 19.333 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:202 Resp: 6849338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.9 | 0.0 | 32.5 |
| 203 | 18.2 | 0.0 | 37.9 |

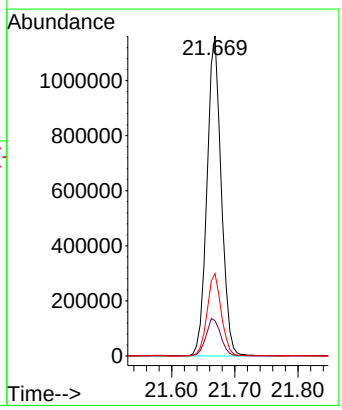


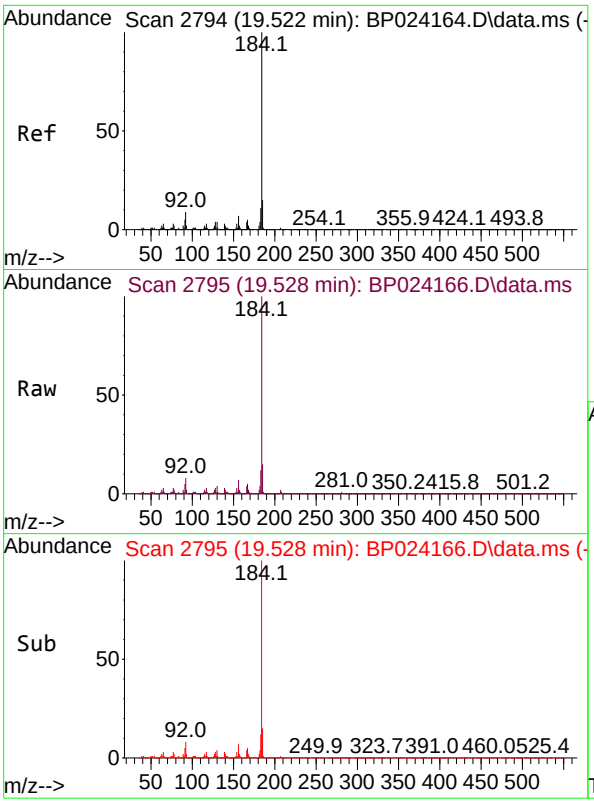




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.669 min Scan# 3159
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:240 Resp: 1817869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.0 | 9.2 | 13.8 |
| 236 | 25.7 | 20.4 | 30.6 |



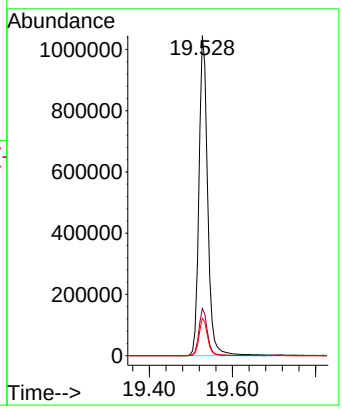


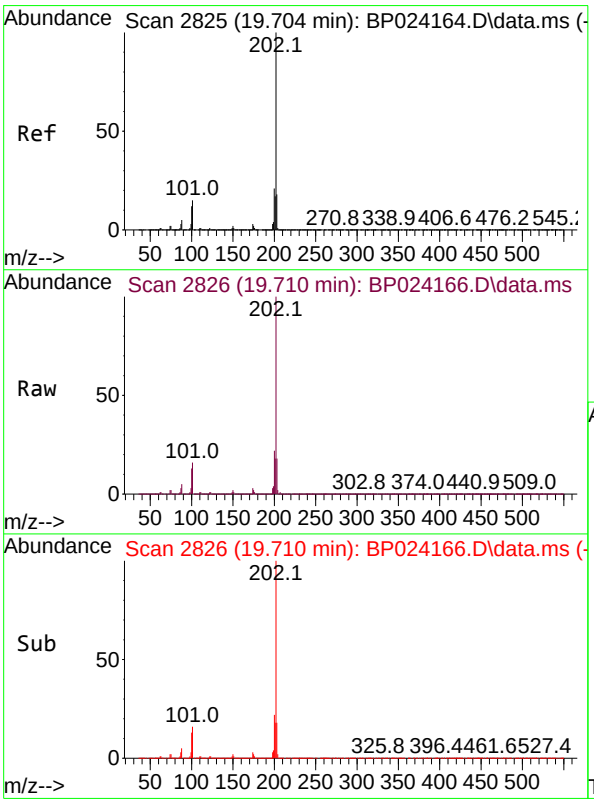

#77
Benzidine
Concen: 68.561 ng
RT: 19.528 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:184 Resp: 1518742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.8 | 11.8 | 17.6 |
| 183 | 11.7 | 9.1 | 13.7 |

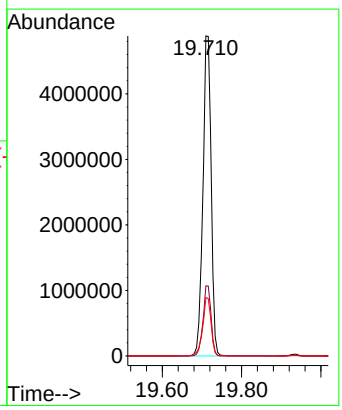


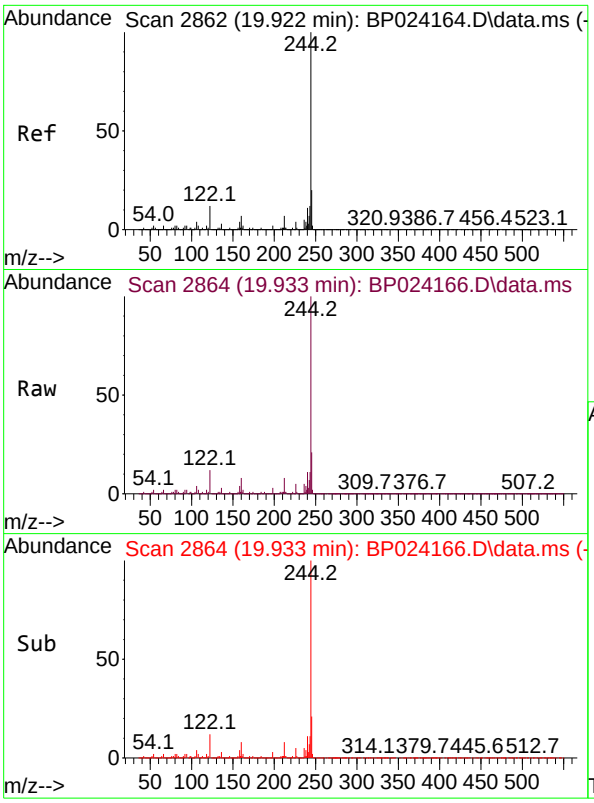




#78
Pyrene
Concen: 61.052 ng
RT: 19.710 min Scan# 2826
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:202 Resp: 7049649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.9 | 17.1 | 25.7 |
| 203 | 18.2 | 14.2 | 21.4 |



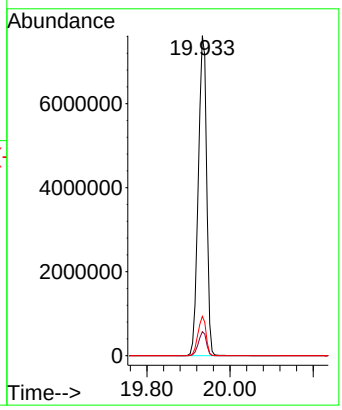


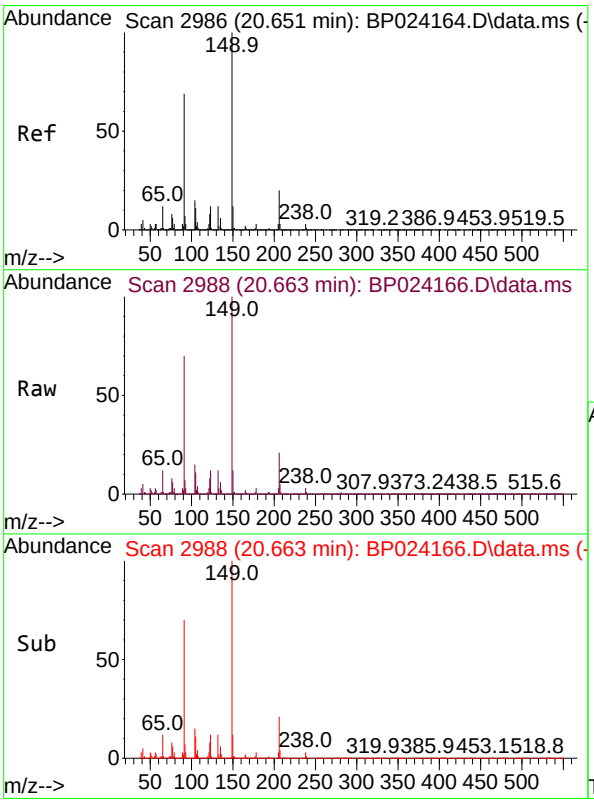

#79
Terphenyl-d14
Concen: 115.330 ng
RT: 19.933 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:244 Resp:10595349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.5 | 5.7 | 8.5 |
| 122 | 12.3 | 9.6 | 14.4 |

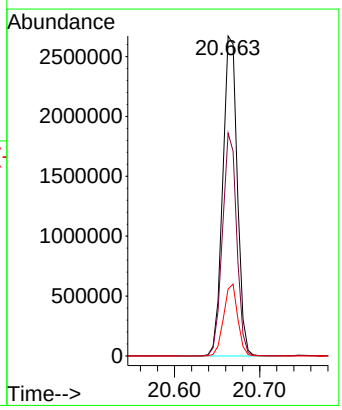


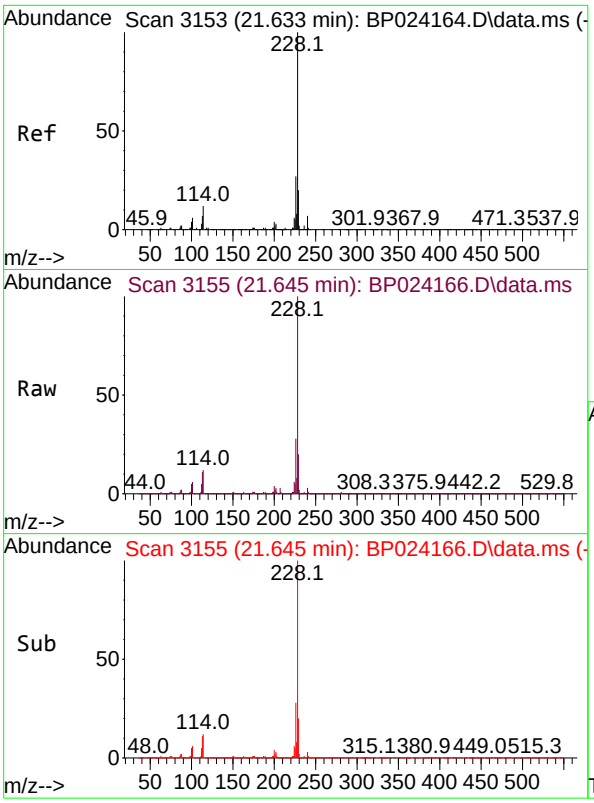




#80
Butylbenzylphthalate
Concen: 71.649 ng
RT: 20.663 min Scan# 2988
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:149 Resp: 3170269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 69.6 | 55.3 | 82.9 |
| 206 | 21.0 | 16.1 | 24.1 |



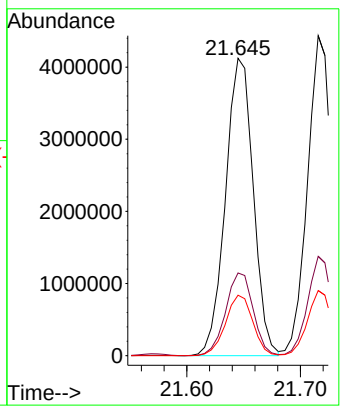


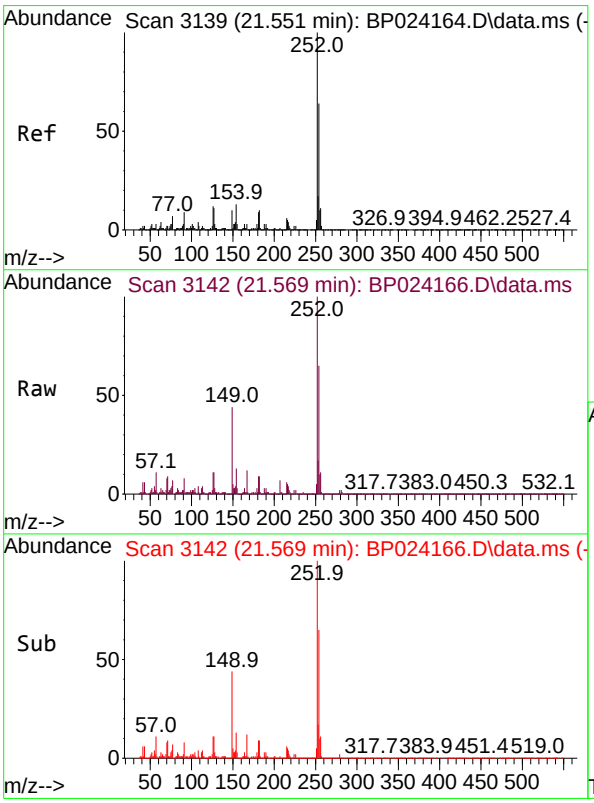

#81
Benzo(a)anthracene
Concen: 61.500 ng
RT: 21.645 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:228 Resp: 7010330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.8 | 21.8 | 32.8 |
| 229 | 20.4 | 16.0 | 24.0 |

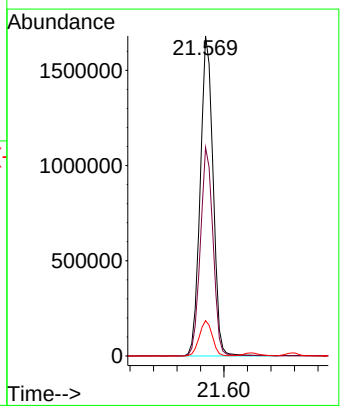


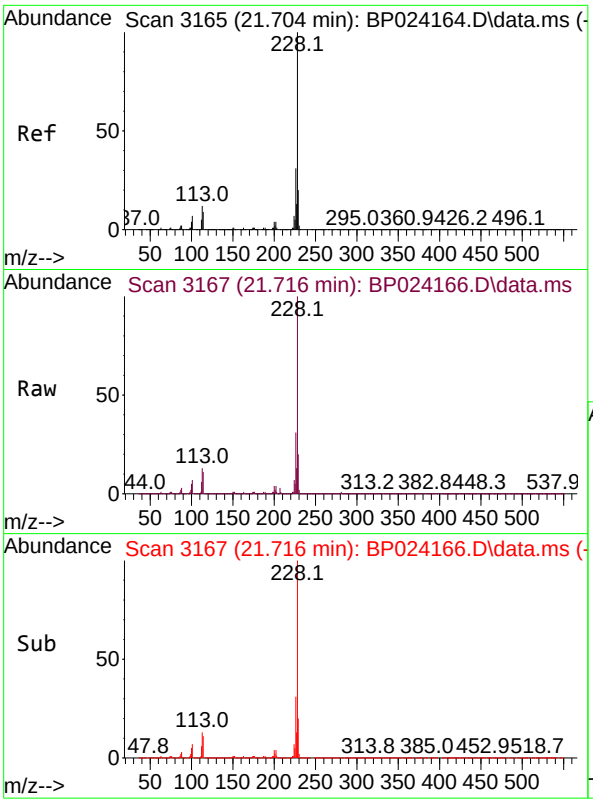




#82
3,3'-Dichlorobenzidine
Concen: 71.531 ng
RT: 21.569 min Scan# 3142
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:252 Resp: 2547922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.2 | 51.4 | 77.2 |
| 126 | 11.1 | 9.3 | 13.9 |



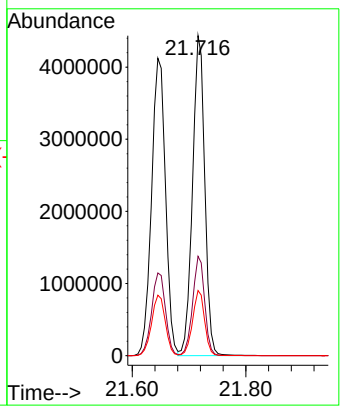


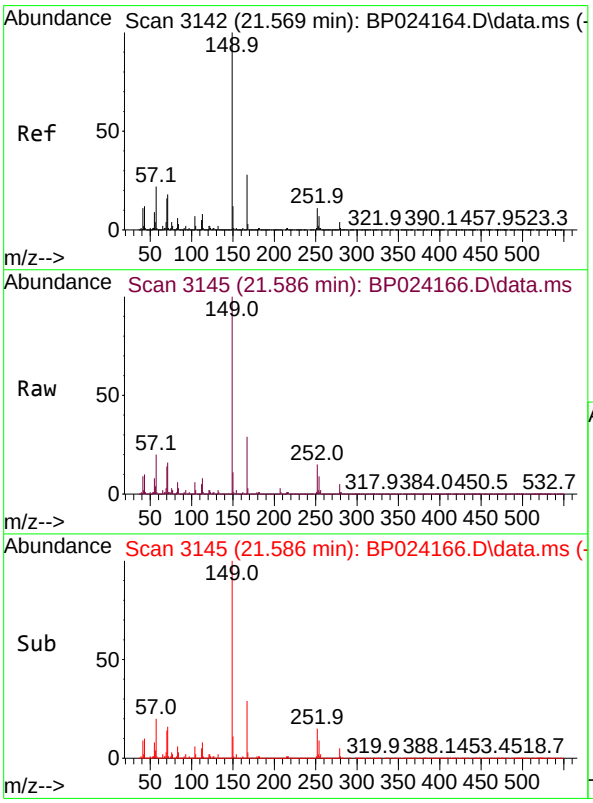

#83
Chrysene
Concen: 60.535 ng
RT: 21.716 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:228 Resp: 6653811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.0 | 24.5 | 36.7 |
| 229 | 20.3 | 16.2 | 24.2 |

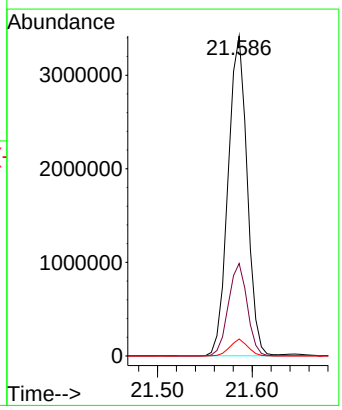


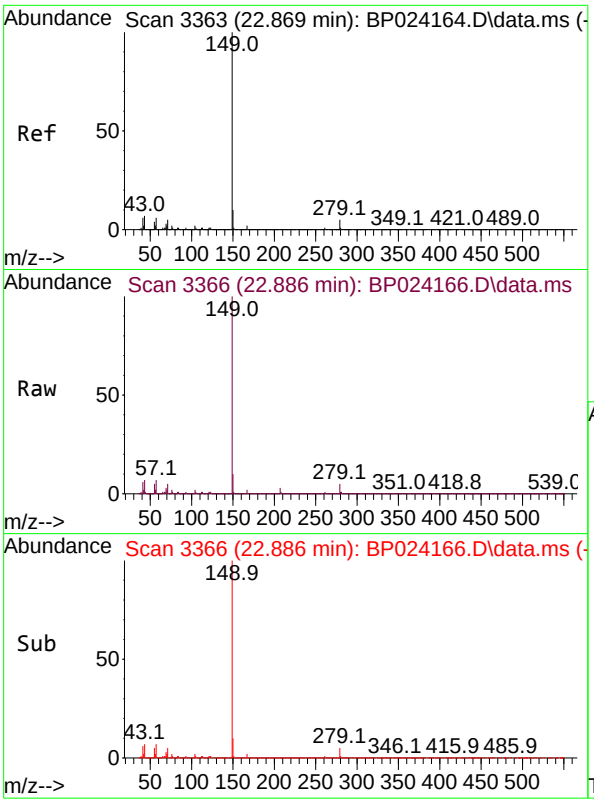




#84
Bis(2-ethylhexyl)phthalate
Concen: 71.363 ng
RT: 21.586 min Scan# 3145
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:149 Resp: 4788368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.9 | 22.5 | 33.7 |
| 279 | 5.3 | 3.6 | 5.4 |



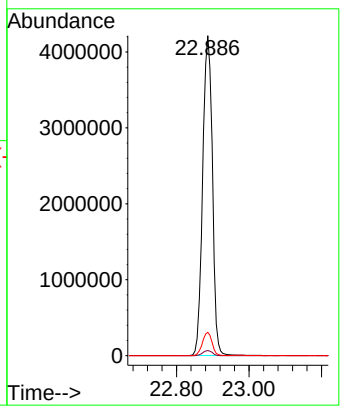


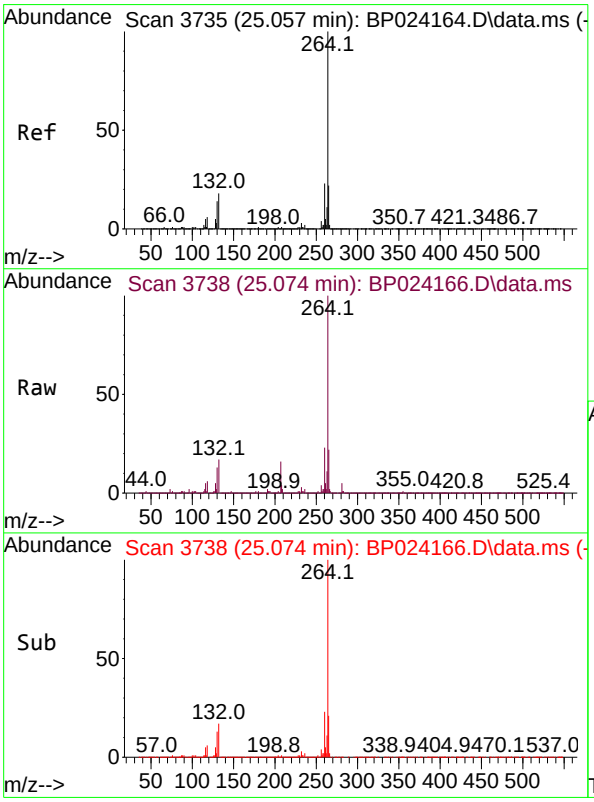

#85
Di-n-octyl phthalate
Concen: 72.964 ng
RT: 22.886 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:149 Resp: 7825427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 7.3 | 5.8 | 8.8 |

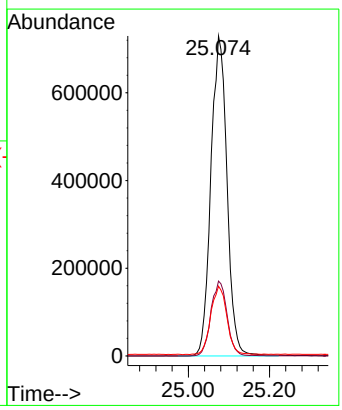


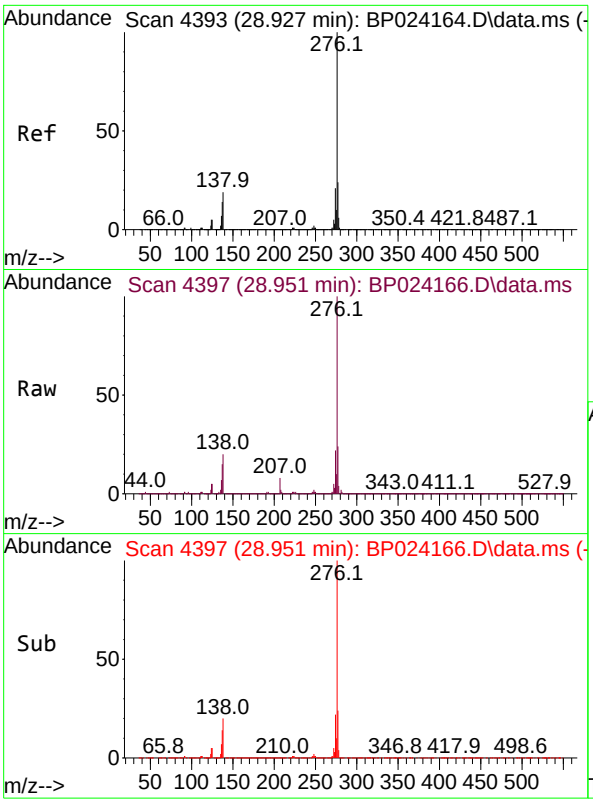




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.074 min Scan# 3738
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:264 Resp: 2003229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 18.5 | 27.7 |
| 265 | 21.8 | 17.7 | 26.5 |



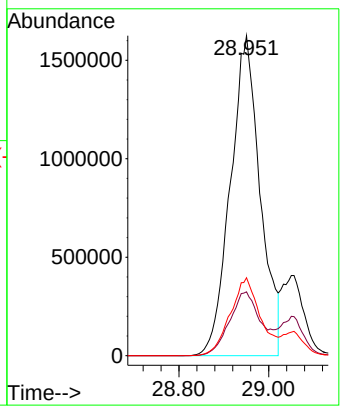


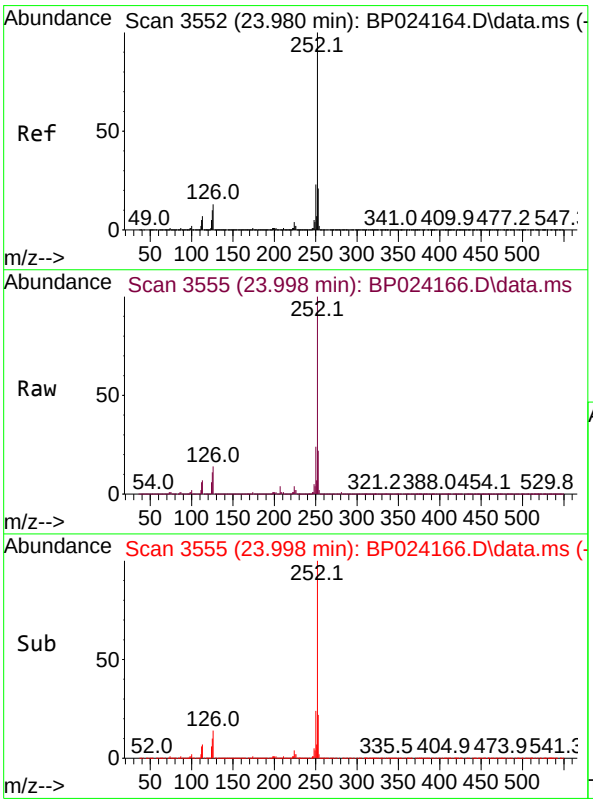

#87
Indeno(1,2,3-cd)pyrene
Concen: 52.591 ng
RT: 28.951 min Scan# 4
Delta R.T. 0.023 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:276 Resp: 7494916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.9 | 13.7 | 20.5# |
| 277 | 24.6 | 20.2 | 30.2 |

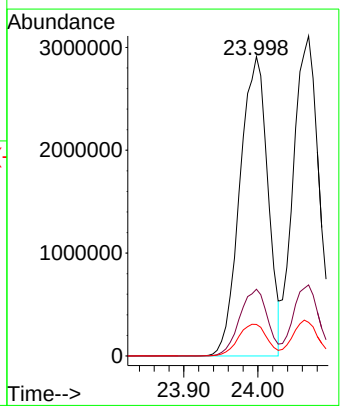


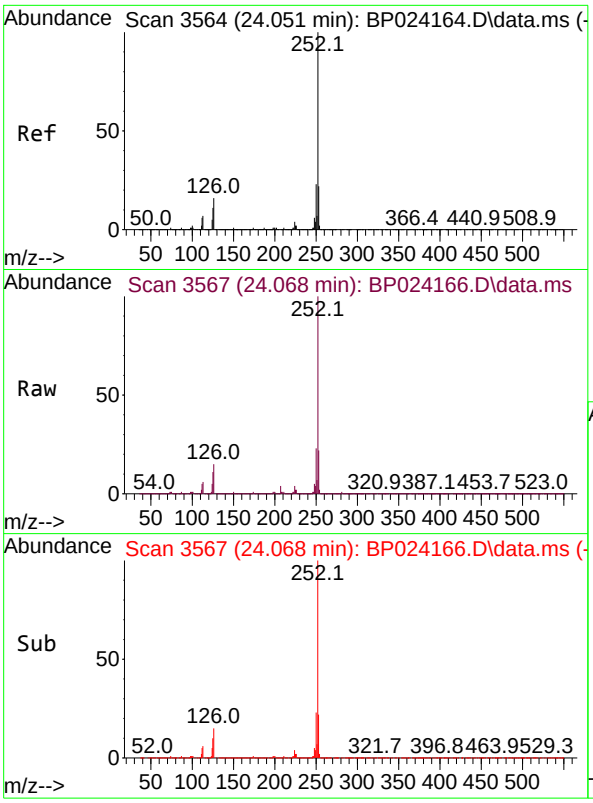




#88
Benzo(b)fluoranthene
Concen: 59.798 ng
RT: 23.998 min Scan# 3555
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:252 Resp: 7606878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.2 | 25.8 |
| 125 | 10.5 | 8.2 | 12.4 |



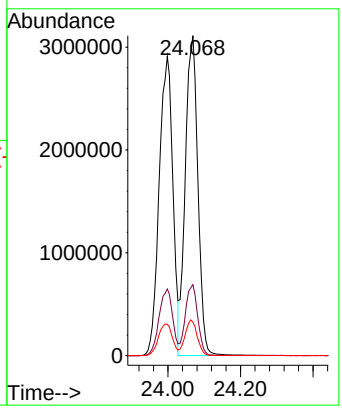


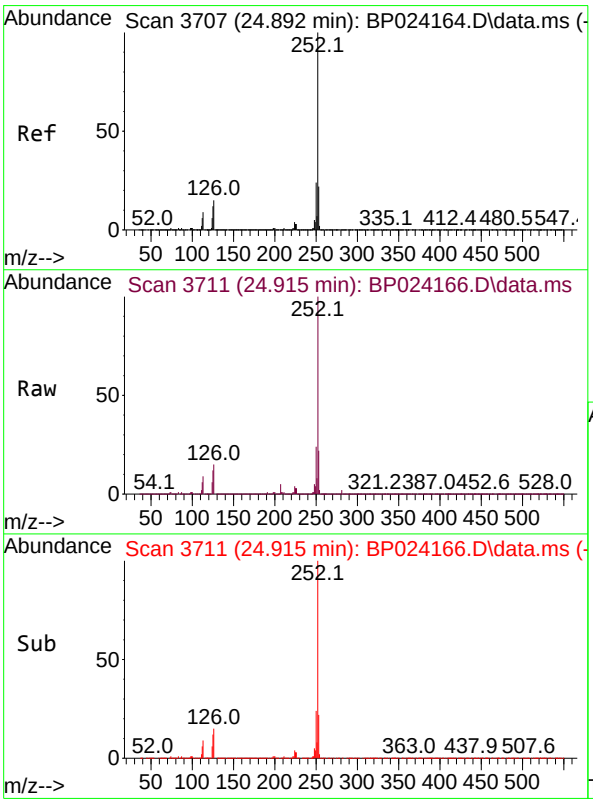

#89
Benzo(k)fluoranthene
Concen: 60.696 ng
RT: 24.068 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:252 Resp: 7515459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.7 | 26.5 |
| 125 | 10.5 | 9.1 | 13.7 |

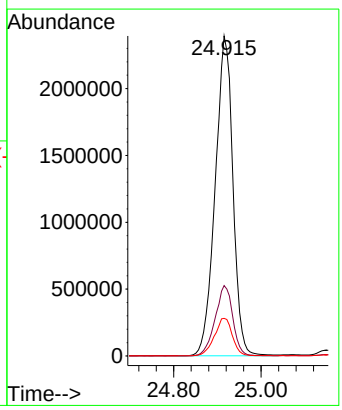


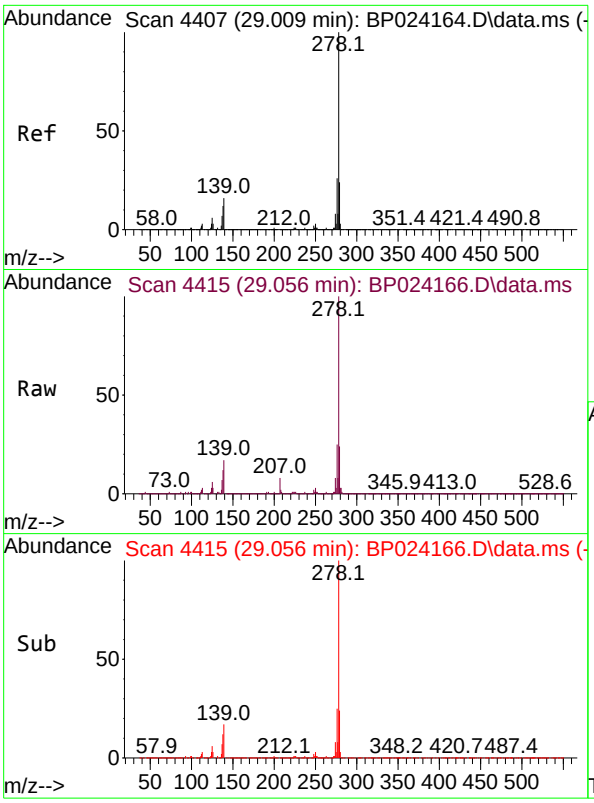




#90
Benzo(a)pyrene
Concen: 62.275 ng
RT: 24.915 min Scan# 3711
Delta R.T. 0.023 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:252 Resp: 6723161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.4 | 26.0 |
| 125 | 11.8 | 9.6 | 14.4 |



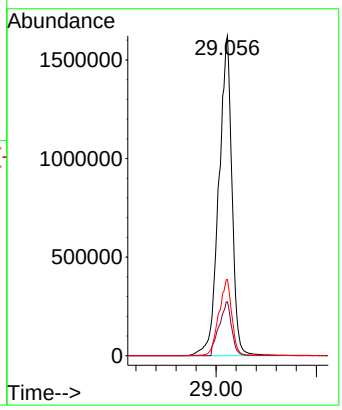


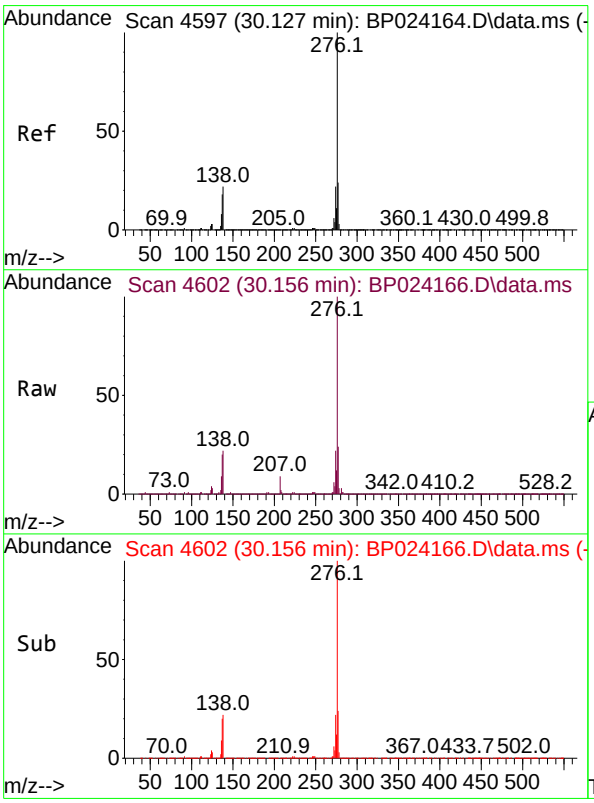

#91
Dibenzo(a,h)anthracene
Concen: 61.510 ng
RT: 29.056 min Scan# 4
Delta R.T. 0.047 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC060

Tgt Ion:278 Resp: 7370514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.8 | 13.0 | 19.4 |
| 279 | 23.8 | 18.8 | 28.2 |

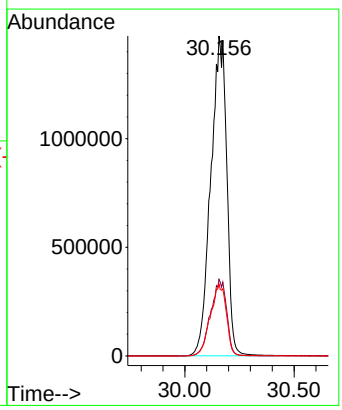



#92
Benzo(g,h,i)perylene
Concen: 61.593 ng
RT: 30.156 min Scan# 4602
Delta R.T. 0.029 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:276 Resp: 7489359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.9 | 19.2 | 28.8 |
| 138 | 22.5 | 17.4 | 26.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024167.D
Acq On : 12 Mar 2025 21:02
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Quant Time: Mar 13 04:10:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.769 | 152 | 364999 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.551 | 136 | 1468727 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.404 | 164 | 888748 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.210 | 188 | 1690241 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.674 | 240 | 1785678 | 20.000 | ng | | 0.02 |
| 86) Perylene-d12 | 25.080 | 264 | 1974592 | 20.000 | ng | | 0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.381 | 112 | 3803317 | 162.591 | ng | | 0.00 |
| 7) Phenol-d6 | 6.957 | 99 | 5104893 | 169.796 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.922 | 82 | 4314346 | 163.878 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.922 | 330 | 2025211 | 186.035 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.016 | 172 | 9471932 | 148.993 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.939 | 244 | 13193577 | 146.201 | ng | | 0.02 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.317 | 88 | 719424 | 78.401 | ng | | 99 |
| 3) Pyridine | 3.716 | 79 | 1624916 | 68.110 | ng | | 100 |
| 4) n-Nitrosodimethylamine | 3.622 | 42 | 672598 | 79.479 | ng | | 98 |
| 6) Aniline | 7.110 | 93 | 2112268 | 76.717 | ng | | 98 |
| 8) 2-Chlorophenol | 7.346 | 128 | 2039550 | 82.376 | ng | | 99 |
| 9) Benzaldehyde | 6.922 | 77 | 842969 | 61.412 | ng | | 98 |
| 10) Phenol | 6.987 | 94 | 2556863 | 84.573 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.199 | 93 | 1979282 | 83.121 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 7.663 | 146 | 2110081 | 77.577 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.810 | 146 | 2159502 | 78.507 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.122 | 146 | 2060216 | 78.042 | ng | | 99 |
| 15) Benzyl Alcohol | 8.010 | 79 | 1663098 | 90.370 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.299 | 45 | 1950889 | 84.398 | ng | | 99 |
| 17) 2-Methylphenol | 8.216 | 107 | 1619006 | 87.877 | ng | | 99 |
| 18) Hexachloroethane | 8.846 | 117 | 773060 | 78.037 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.575 | 70 | 1455297 | 90.027 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.546 | 107 | 2240243 | 89.384 | ng | | 98 |
| 22) Acetophenone | 8.587 | 105 | 3007941 | 79.697 | ng | # | 99 |
| 24) Nitrobenzene | 8.969 | 77 | 2118548 | 81.768 | ng | | 98 |
| 25) Isophorone | 9.493 | 82 | 3813082 | 88.570 | ng | | 98 |
| 26) 2-Nitrophenol | 9.669 | 139 | 1129770 | 94.646 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.734 | 122 | 1361694 | 86.904 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 9.963 | 93 | 2576867 | 82.625 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.204 | 162 | 1875825 | 87.724 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.416 | 180 | 1946046 | 79.431 | ng | | 99 |
| 31) Naphthalene | 10.604 | 128 | 6278869 | 79.507 | ng | | 100 |
| 32) Benzoic acid | 9.922 | 122 | 1573847 | 109.564 | ng | | 98 |
| 33) 4-Chloroaniline | 10.716 | 127 | 2336710 | 83.990 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.887 | 225 | 1124081 | 79.213 | ng | | 99 |
| 35) Caprolactam | 11.528 | 113 | 654999 | 101.156 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 11.845 | 107 | 2042687 | 92.924 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.210 | 142 | 4316966 | 82.244 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.434 | 142 | 4227550 | 82.791 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.581 | 216 | 2120251 | 77.644 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.563 | 237 | 788854 | 77.633 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.822 | 196 | 1443797 | 86.697 | ng | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024167.D
Acq On : 12 Mar 2025 21:02
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Quant Time: Mar 13 04:10:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.904 | 196 | 1575527 | 86.506 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.228 | 154 | 5406424 | 78.284 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.269 | 162 | 4094698 | 78.432 | ng | | 100 |
| 48) 2-Nitroaniline | 13.475 | 65 | 1150637 | 93.303 | ng | | 98 |
| 49) Acenaphthylene | 14.122 | 152 | 6343598 | 82.473 | ng | | 99 |
| 50) Dimethylphthalate | 13.857 | 163 | 5115780 | 81.603 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.975 | 165 | 1146015 | 89.740 | ng | | 97 |
| 52) Acenaphthene | 14.469 | 154 | 3985981 | 80.473 | ng | | 99 |
| 53) 3-Nitroaniline | 14.310 | 138 | 1277036 | 93.713 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 14.516 | 184 | 712550 | 104.772 | ng | | 97 |
| 55) Dibenzofuran | 14.810 | 168 | 6287848 | 78.144 | ng | | 99 |
| 56) 4-Nitrophenol | 14.639 | 139 | 1110260 | 94.320 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 14.775 | 165 | 1584658 | 95.524 | ng | | 97 |
| 58) Fluorene | 15.469 | 166 | 4983161 | 79.298 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.045 | 232 | 1371535 | 86.797 | ng | | 100 |
| 60) Diethylphthalate | 15.245 | 149 | 5221159 | 83.898 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.463 | 204 | 2453010 | 79.305 | ng | | 99 |
| 62) 4-Nitroaniline | 15.498 | 138 | 1346814 | 95.238 | ng | | 95 |
| 63) Azobenzene | 15.763 | 77 | 4851665 | 83.196 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.557 | 198 | 924643 | 94.517 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.686 | 169 | 4231796 | 80.285 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.381 | 248 | 1565037 | 82.455 | ng | | 94 |
| 68) Hexachlorobenzene | 16.498 | 284 | 1841149 | 82.437 | ng | | 99 |
| 69) Atrazine | 16.663 | 200 | 480919 | 35.553 | ng | | 99 |
| 70) Pentachlorophenol | 16.851 | 266 | 1334567 | 92.003 | ng | | 100 |
| 71) Phenanthrene | 17.251 | 178 | 7450840 | 78.188 | ng | | 99 |
| 72) Anthracene | 17.345 | 178 | 7420971 | 81.264 | ng | | 99 |
| 73) Carbazole | 17.628 | 167 | 7209600 | 82.862 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.216 | 149 | 8819030 | 86.868 | ng | | 99 |
| 75) Fluoranthene | 19.339 | 202 | 8868502 | 82.280 | ng | | 99 |
| 77) Benzidine | 19.533 | 184 | 1583965 | 72.794 | ng | | 100 |
| 78) Pyrene | 19.722 | 202 | 9100075 | 80.230 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.669 | 149 | 4117551 | 94.735 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.657 | 228 | 9075269 | 81.050 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.574 | 252 | 3216378 | 91.925 | ng | | 99 |
| 83) Chrysene | 21.721 | 228 | 8635685 | 79.981 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.592 | 149 | 6077881 | 92.215 | ng | # | 98 |
| 85) Di-n-octyl phthalate | 22.898 | 149 | 10239008 | 97.189 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.962 | 276 | 11842118 | 84.301 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 24.004 | 252 | 9984031 | 79.623 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 24.080 | 252 | 9728938 | 79.712 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.921 | 252 | 8860063 | 83.259 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 29.039 | 278 | 9828241 | 83.210 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 30.180 | 276 | 9940803 | 82.940 | ng | | 98 |

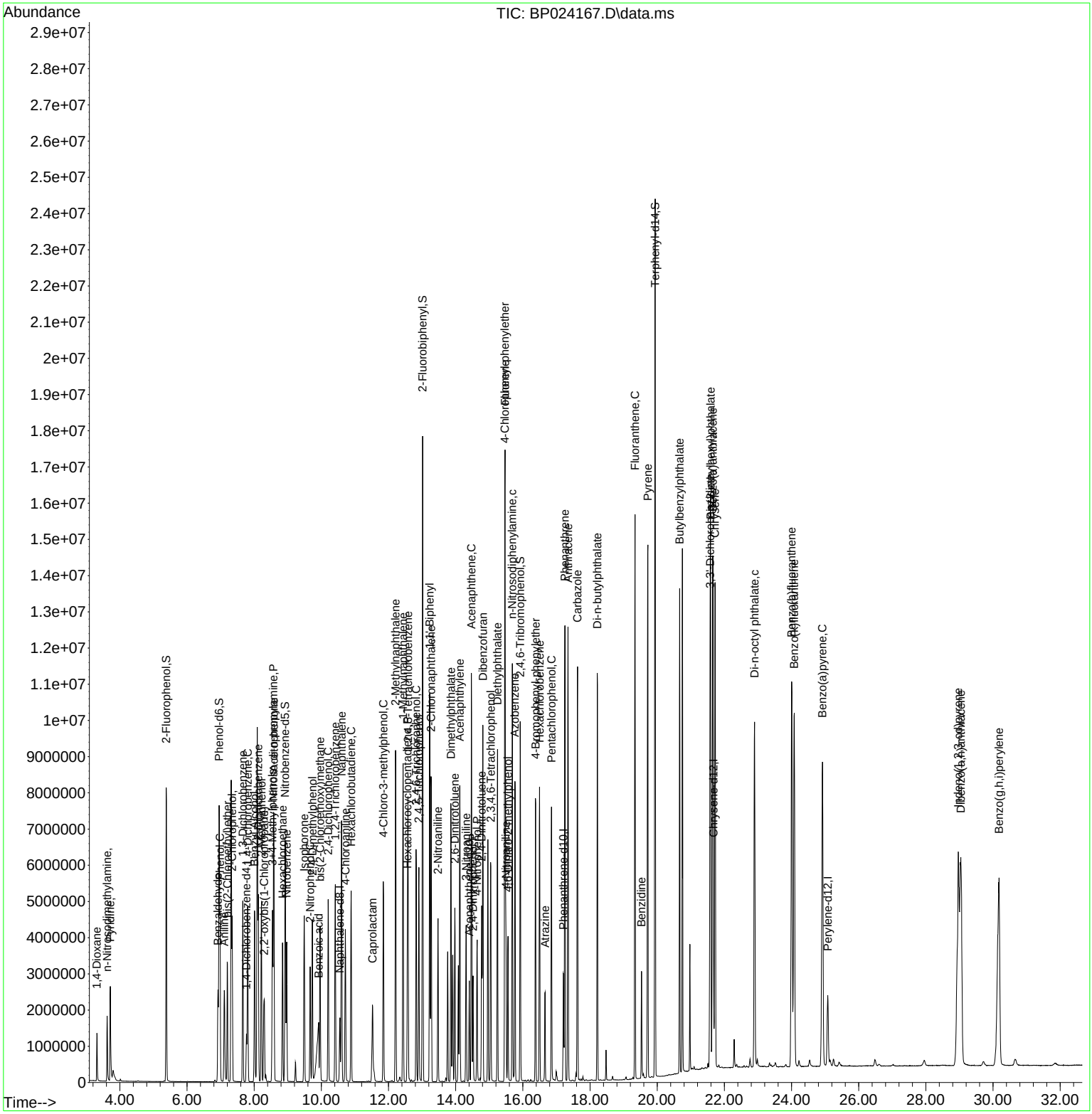
(#) = qualifier out of range (m) = manual integration (+) = signals summed

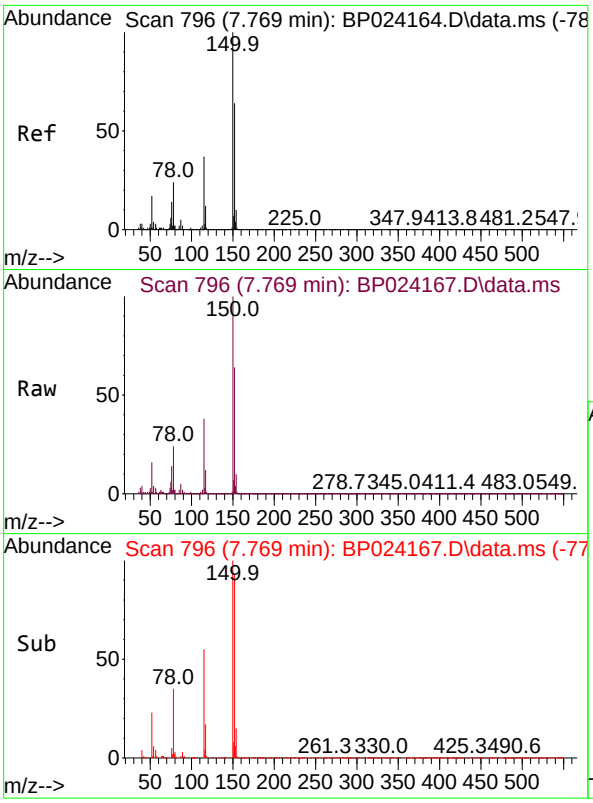
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024167.D
Acq On : 12 Mar 2025 21:02
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Quant Time: Mar 13 04:10:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration



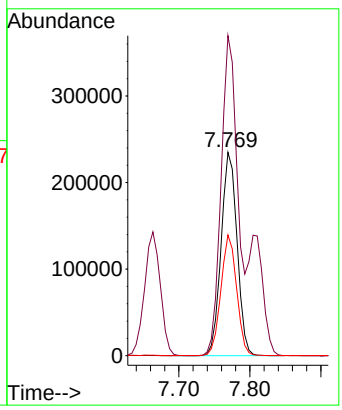


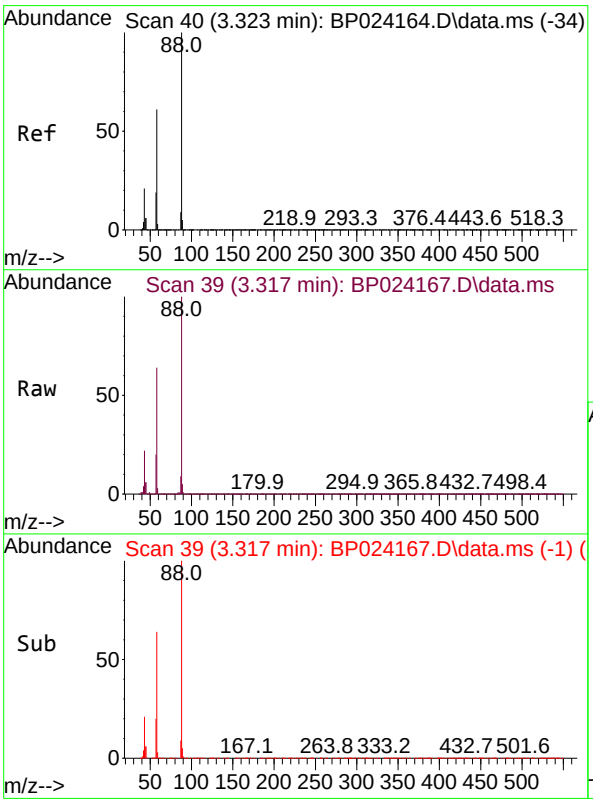

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:152 Resp: 364999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.3 | 125.5 | 188.3 |
| 115 | 59.3 | 46.3 | 69.5 |

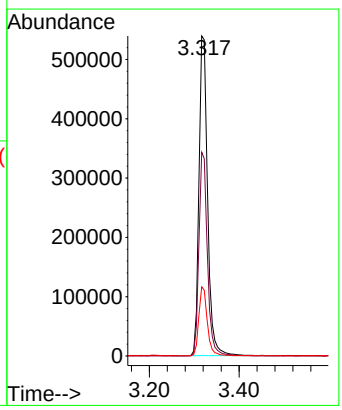


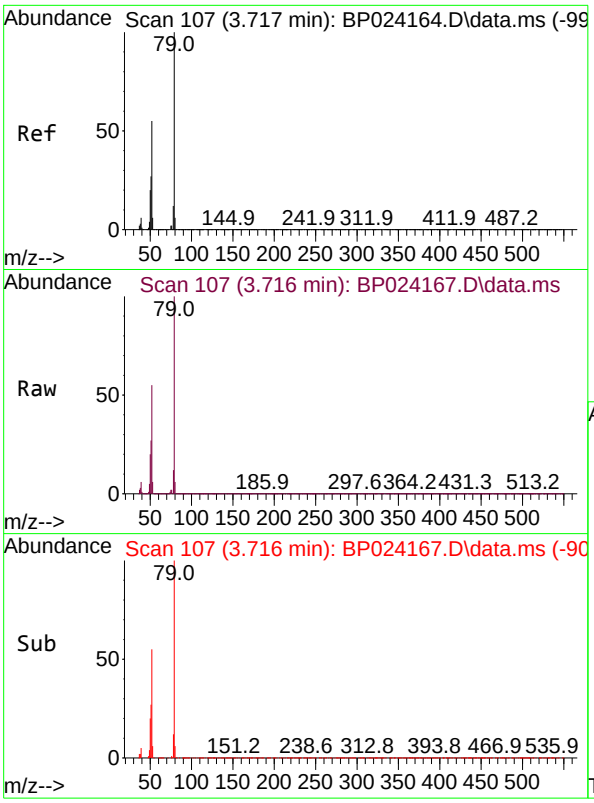




#2
1,4-Dioxane
Concen: 78.401 ng
RT: 3.317 min Scan# 39
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion: 88 Resp: 719424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 62.6 | 49.8 | 74.6 |
| 43 | 21.2 | 17.3 | 25.9 |



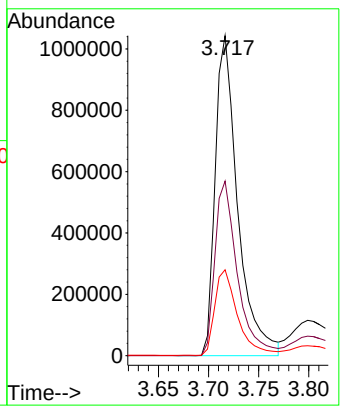


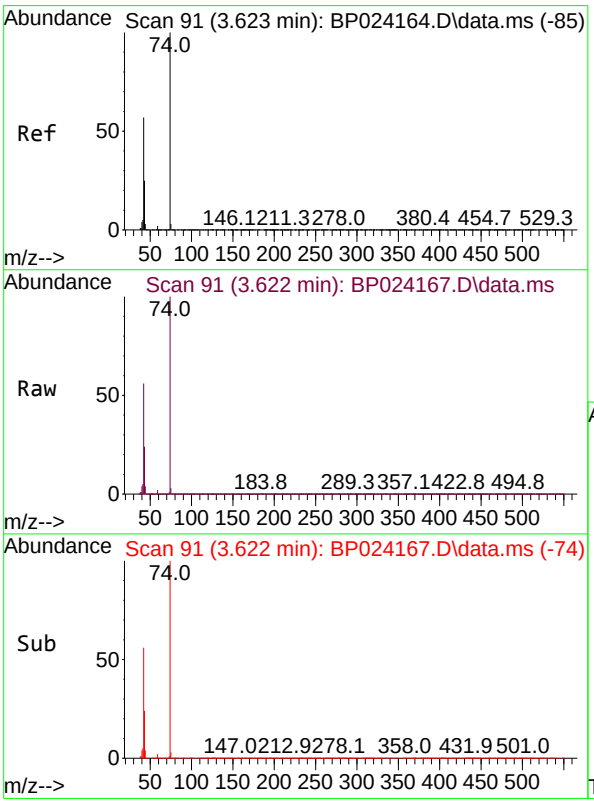

#3
Pyridine
Concen: 68.110 ng
RT: 3.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 79 Resp: 1624916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 54.6 | 43.8 | 65.8 |
| 51 | 26.9 | 21.6 | 32.4 |

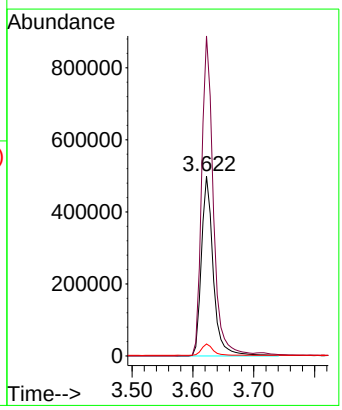


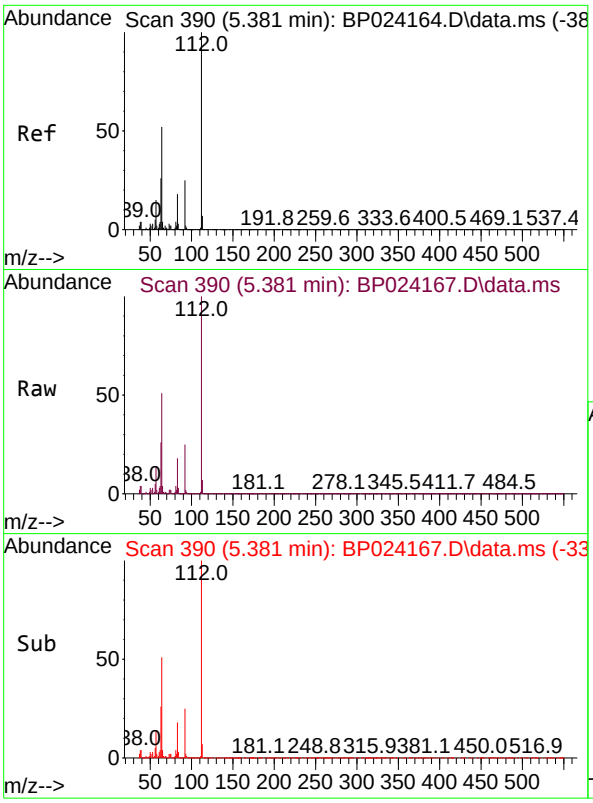




#4
n-Nitrosodimethylamine
Concen: 79.479 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion: 42 Resp: 672598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 177.9 | 139.8 | 209.6 |
| 44 | 6.7 | 5.3 | 7.9 |



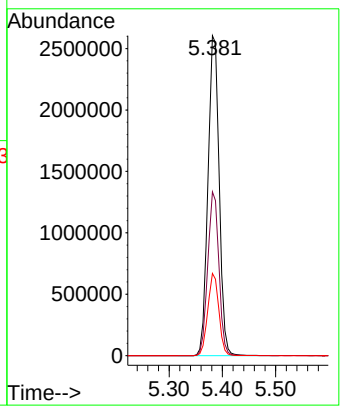


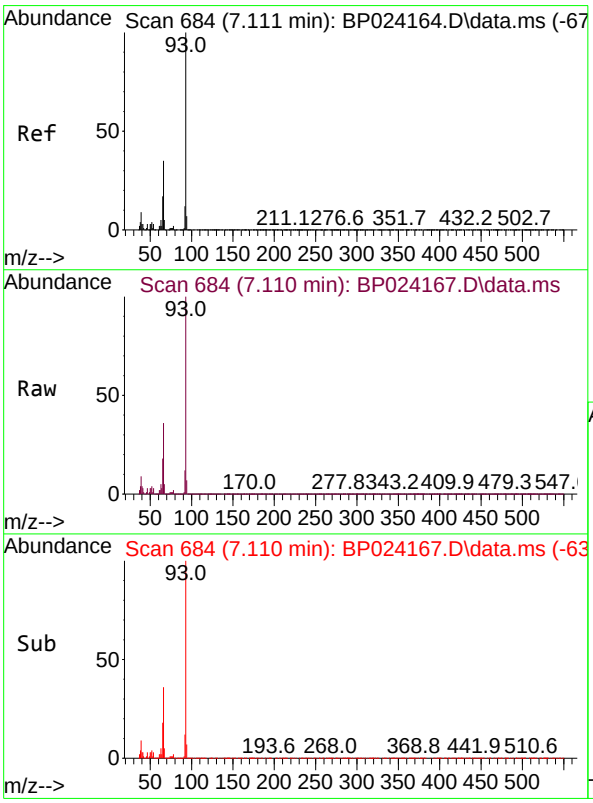

#5
2-Fluorophenol
Concen: 162.591 ng
RT: 5.381 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:112 Resp: 3803317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 51.2 | 41.3 | 61.9 |
| 63 | 25.7 | 20.6 | 31.0 |

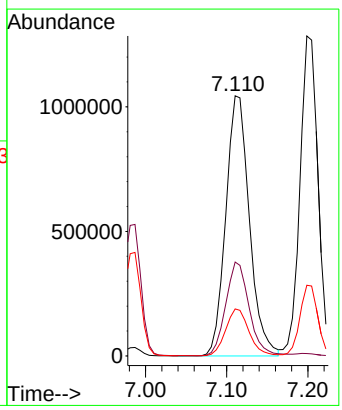


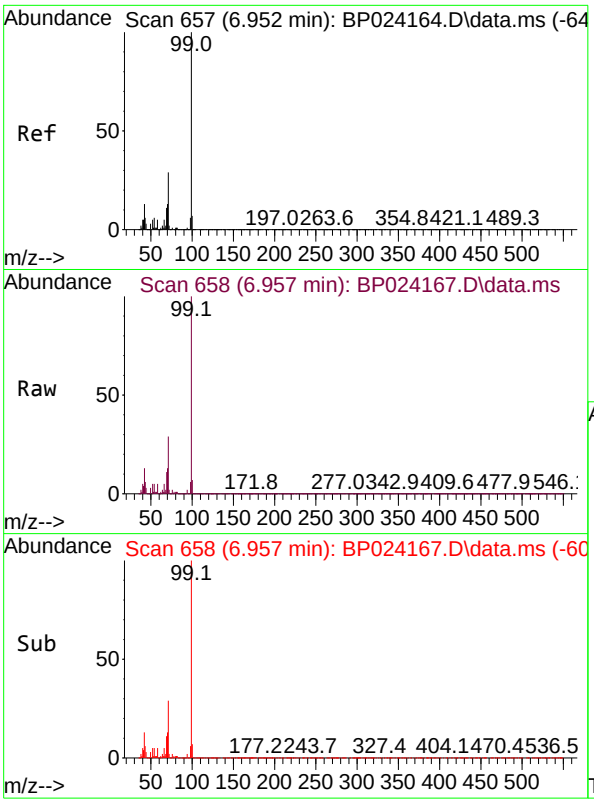




#6
Aniline
Concen: 76.717 ng
RT: 7.110 min Scan# 684
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion: 93 Resp: 2112268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 36.1 | 28.2 | 42.2 |
| 65 | 18.1 | 14.0 | 21.0 |



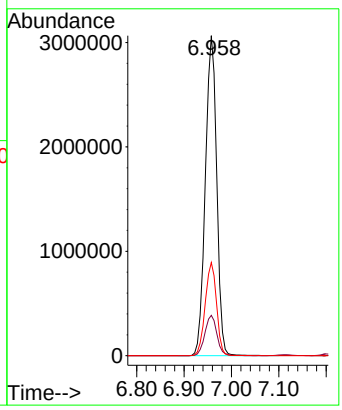


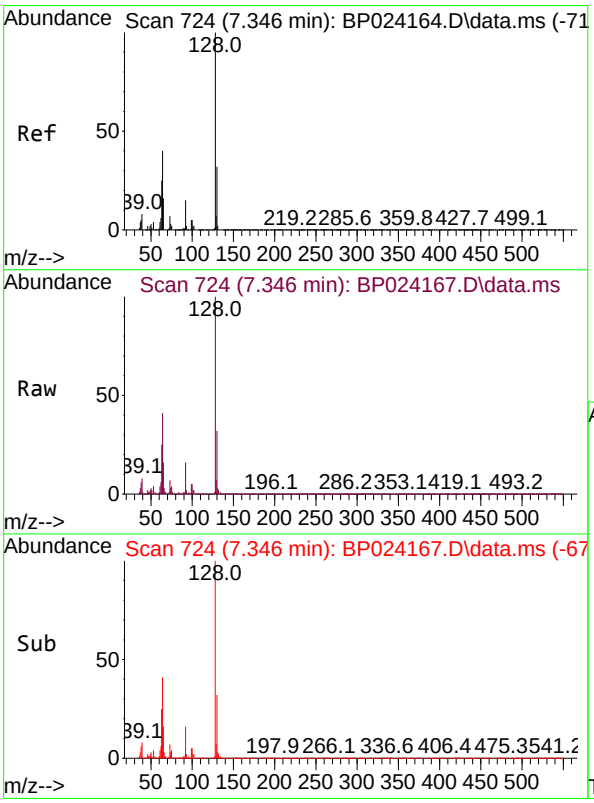

#7
Phenol-d6
Concen: 169.796 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 99 Resp: 5104893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 12.6 | 10.6 | 16.0 |
| 71 | 29.1 | 23.3 | 34.9 |

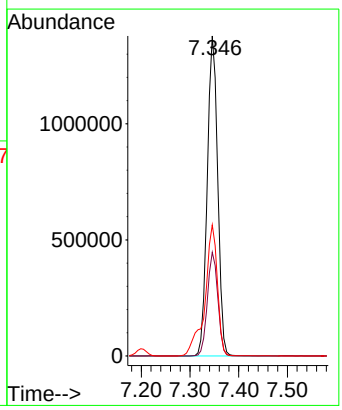


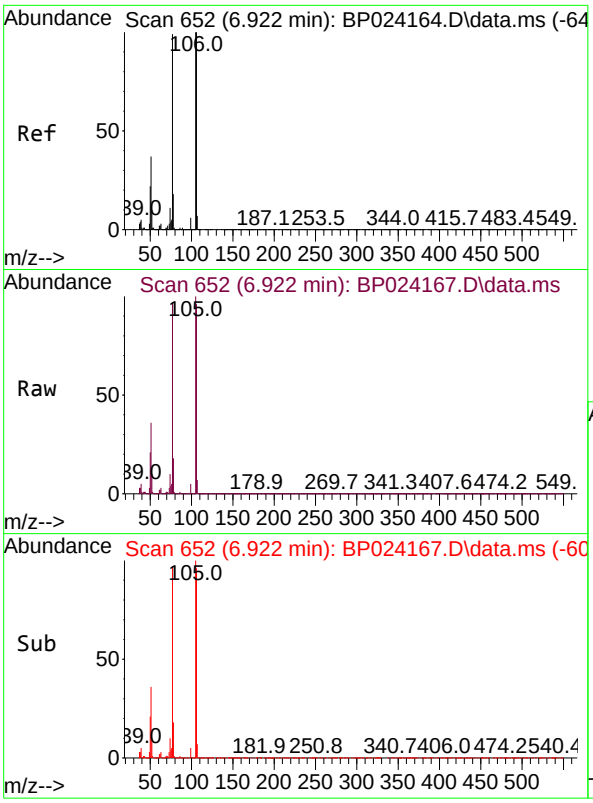




#8
2-Chlorophenol
Concen: 82.376 ng
RT: 7.346 min Scan# 724
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:128 Resp: 2039550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.4 | 12.0 | 52.0 |
| 64 | 41.0 | 21.6 | 61.6 |



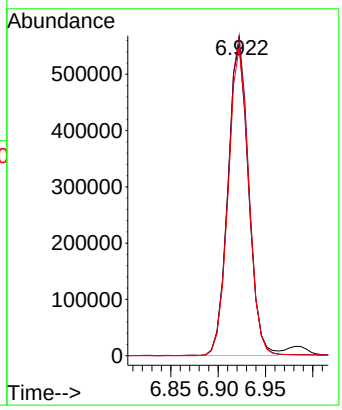


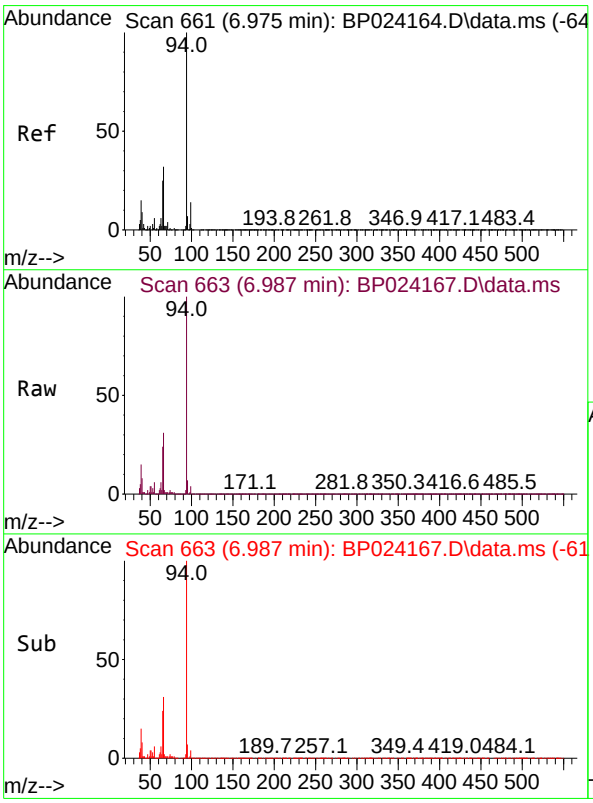

#9
Benzaldehyde
Concen: 61.412 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 77 Resp: 842969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 102.7 | 81.4 | 121.4 |
| 106 | 98.8 | 81.1 | 121.1 |

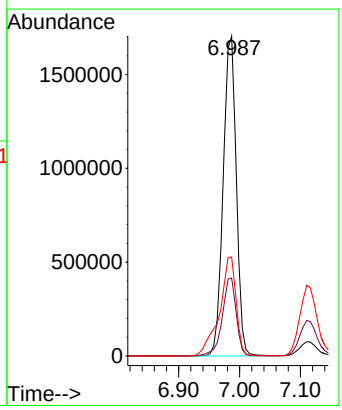


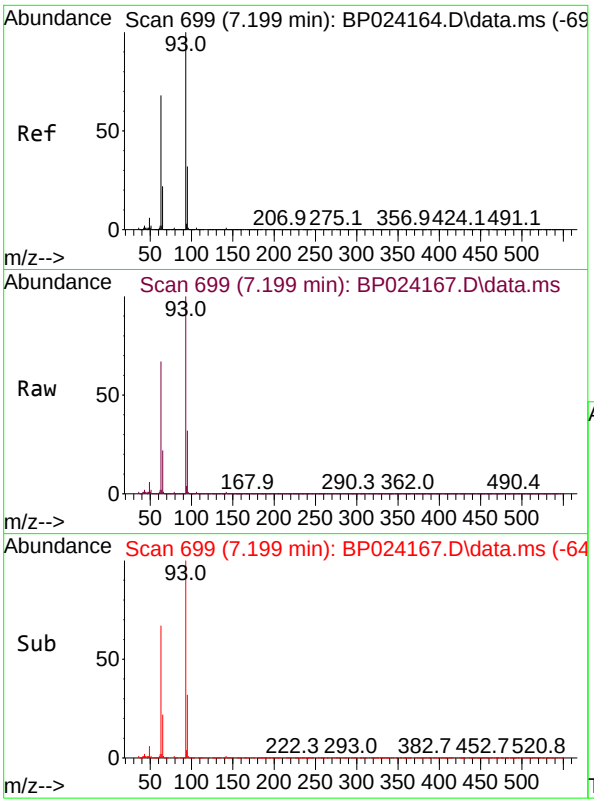




#10
Phenol
Concen: 84.573 ng
RT: 6.987 min Scan# 663
Delta R.T. 0.012 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion: 94 Resp: 2556863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 24.4 | 4.9 | 44.9 |
| 66 | 31.0 | 11.9 | 51.9 |



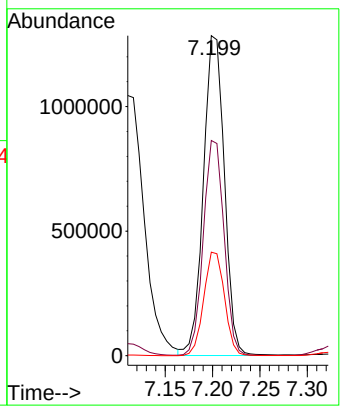


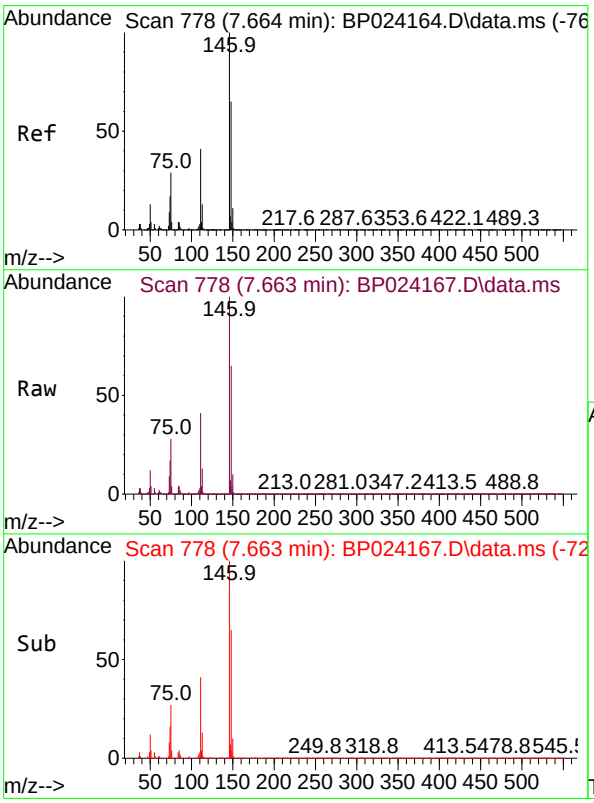

#11
bis(2-Chloroethyl)ether
Concen: 83.121 ng
RT: 7.199 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 93 Resp: 1979282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 67.3 | 47.4 | 87.4 |
| 95 | 32.3 | 12.1 | 52.1 |

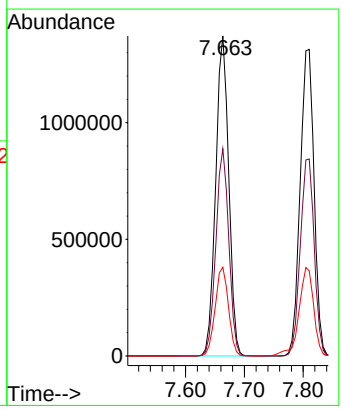


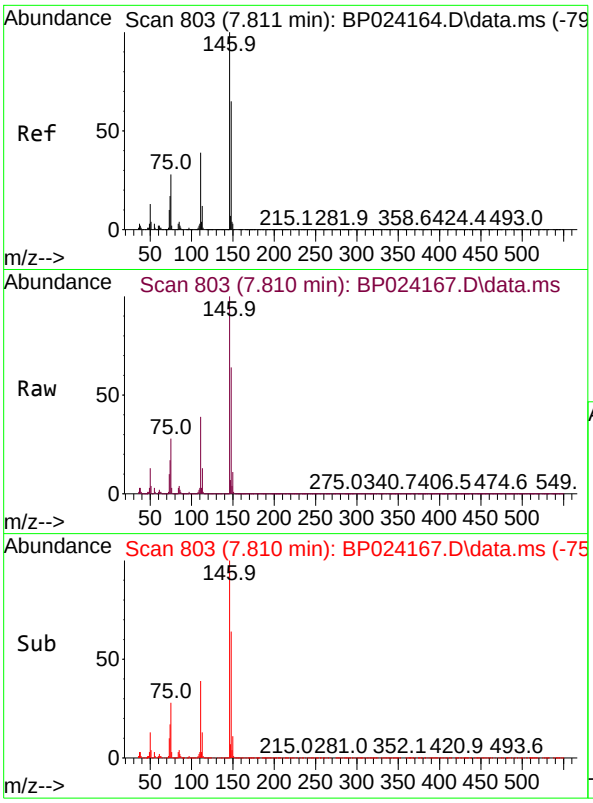




#12
1,3-Dichlorobenzene
Concen: 77.577 ng
RT: 7.663 min Scan# 778
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:146 Resp: 2110081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.8 | 51.6 | 77.4 |
| 75 | 27.8 | 22.8 | 34.2 |



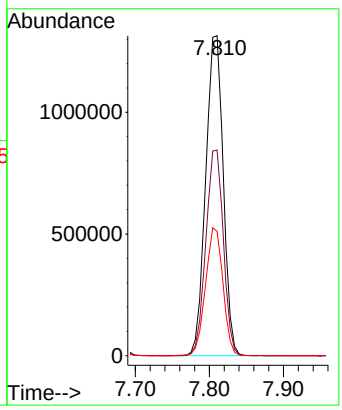


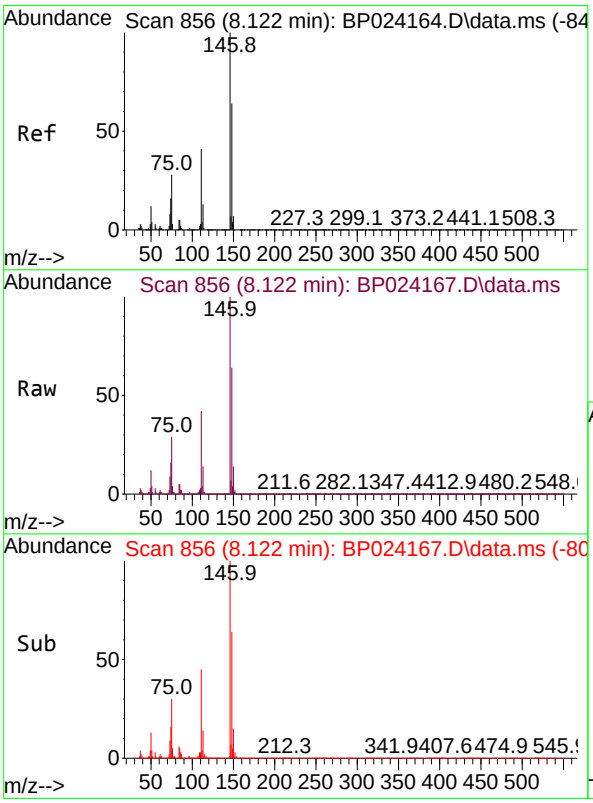

#13
1,4-Dichlorobenzene
Concen: 78.507 ng
RT: 7.810 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:146 Resp: 2159502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.9 | 77.9 |
| 111 | 38.9 | 31.4 | 47.2 |

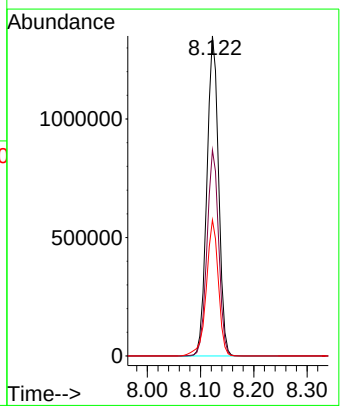


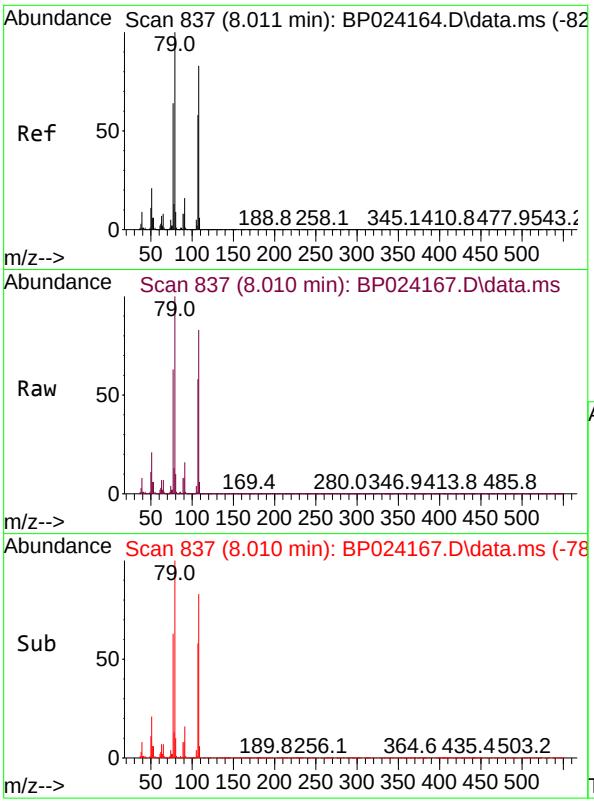




#14
1,2-Dichlorobenzene
Concen: 78.042 ng
RT: 8.122 min Scan# 856
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:146 Resp: 2060216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.3 | 51.4 | 77.2 |
| 111 | 42.5 | 33.2 | 49.8 |



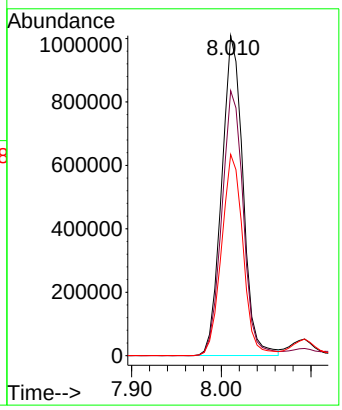


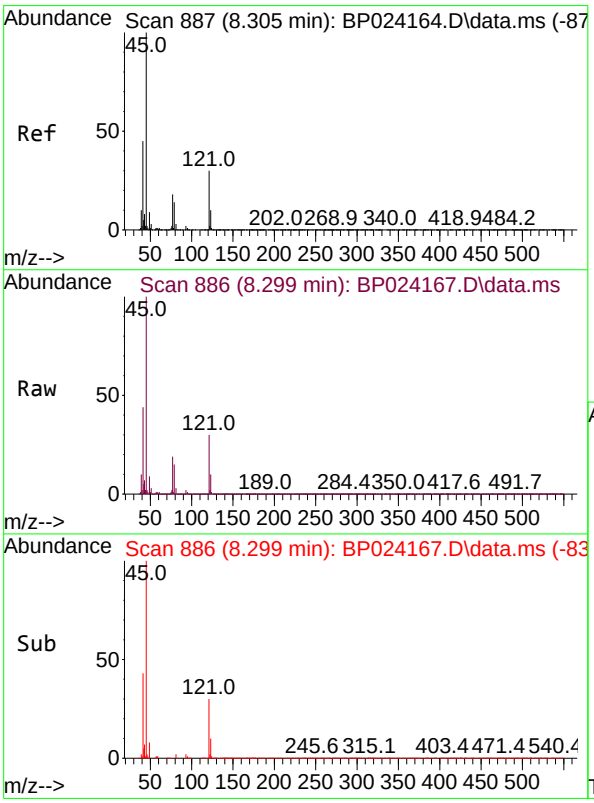

#15
Benzyl Alcohol
Concen: 90.370 ng
RT: 8.010 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 79 Resp: 1663098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 82.8 | 66.5 | 99.7 |
| 77 | 62.9 | 50.9 | 76.3 |

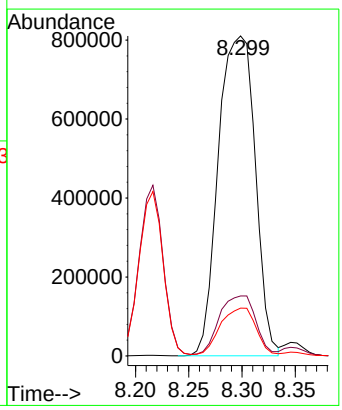


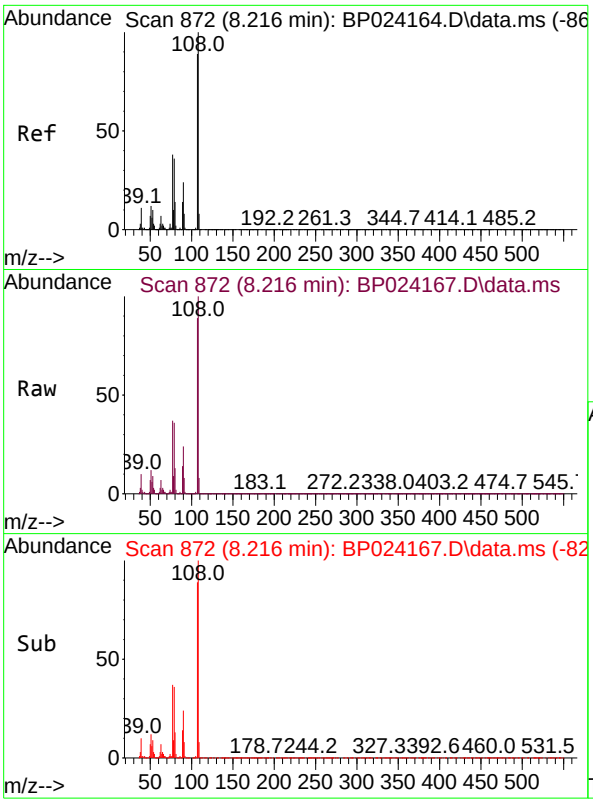




#16
2,2'-oxybis(1-Chloropropane)
Concen: 84.398 ng
RT: 8.299 min Scan# 886
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion: 45 Resp: 1950889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 18.8 | 0.0 | 39.0 |
| 79 | 15.0 | 0.0 | 35.6 |



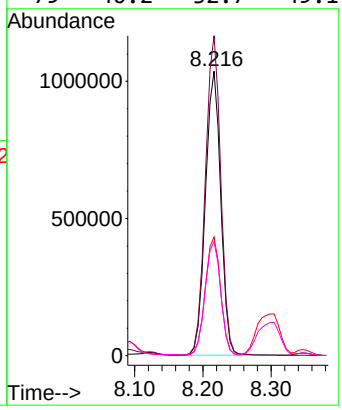


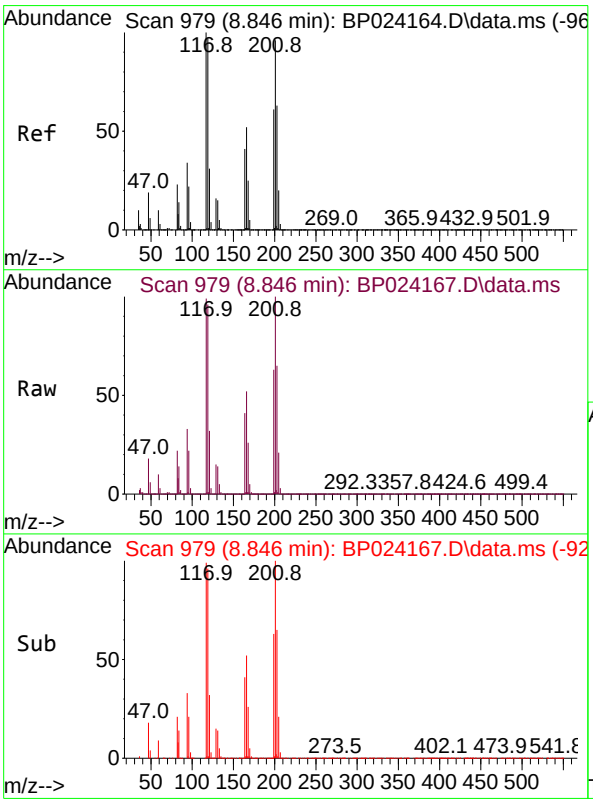

#17
2-Methylphenol
Concen: 87.877 ng
RT: 8.216 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:107 Resp: 1619006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.5 | 90.0 | 135.0 |
| 77 | 41.7 | 34.0 | 51.0 |
| 79 | 40.2 | 32.7 | 49.1 |

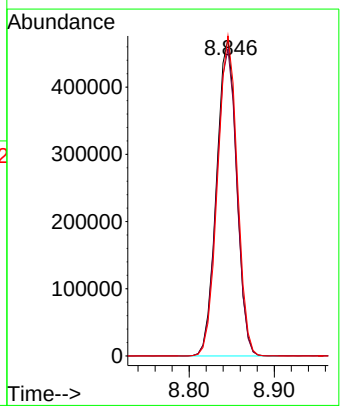


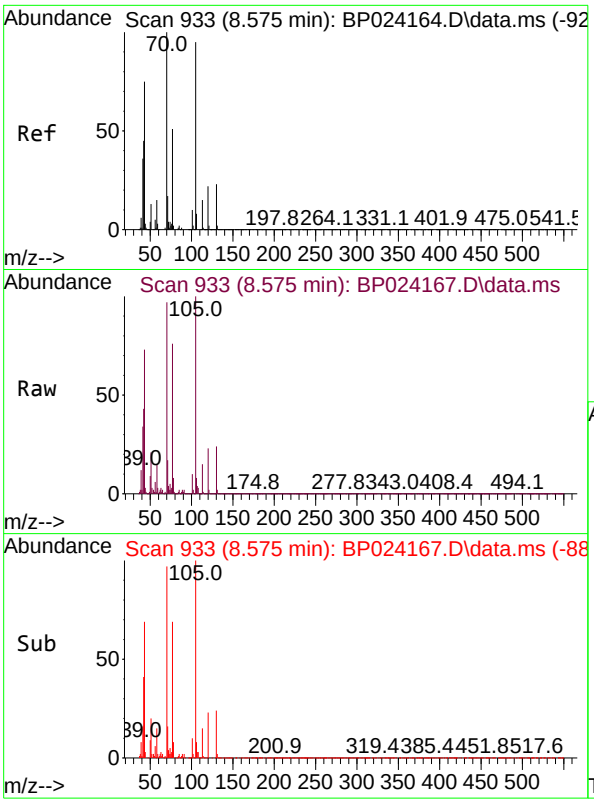




#18
Hexachloroethane
Concen: 78.037 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:117 Resp: 773060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.8 | 77.4 | 116.0 |
| 201 | 101.0 | 76.6 | 114.8 |



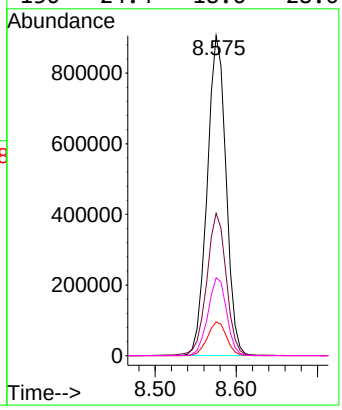


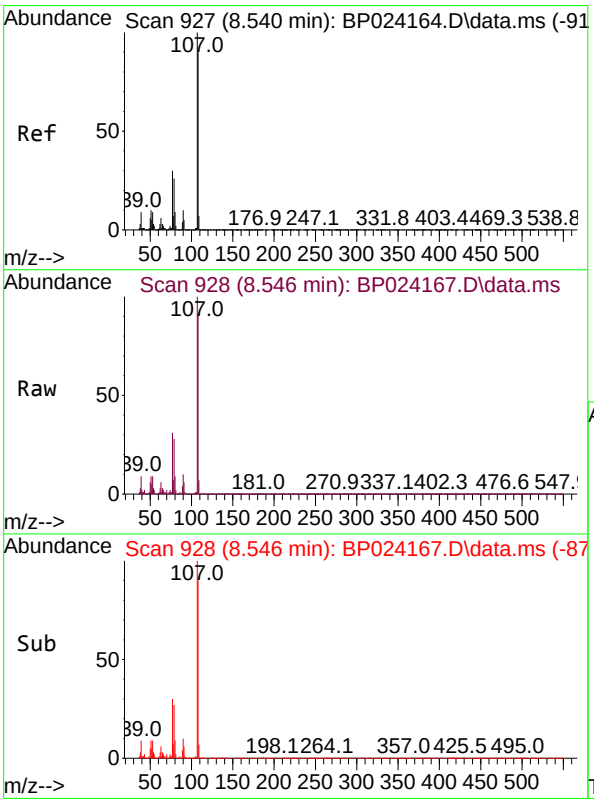

#19
n-Nitroso-di-n-propylamine
Concen: 90.027 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 70 Resp: 1455297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 44.5 | 36.0 | 54.0 |
| 101 | 10.6 | 8.3 | 12.5 |
| 130 | 24.4 | 18.6 | 28.0 |

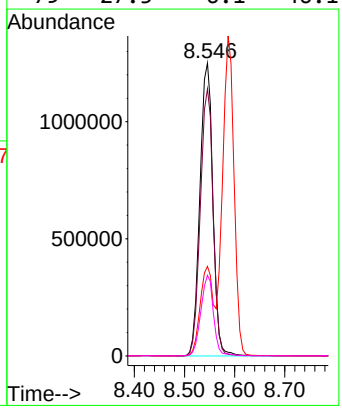


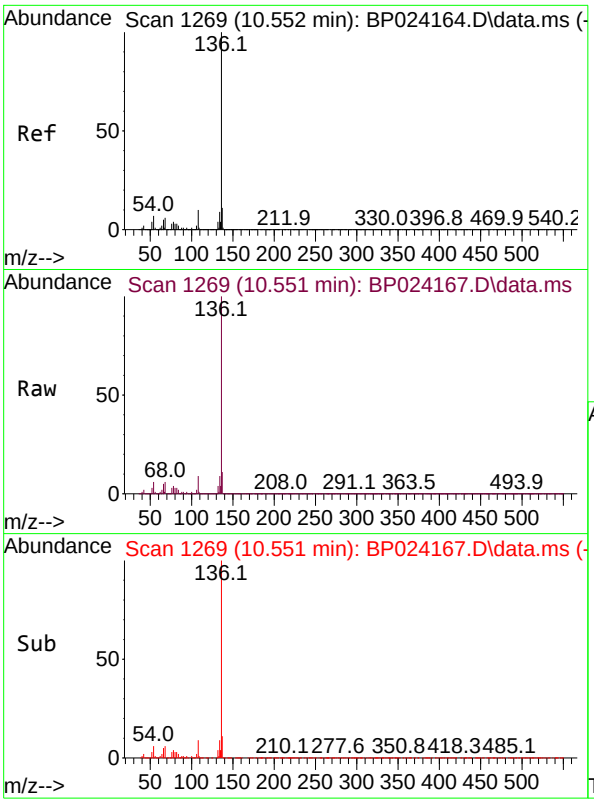




#20
3+4-Methylphenols
Concen: 89.384 ng
RT: 8.546 min Scan# 928
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:107 Resp: 2240243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.2 | 69.7 | 109.7 |
| 77 | 30.6 | 10.3 | 50.3 |
| 79 | 27.5 | 6.1 | 46.1 |



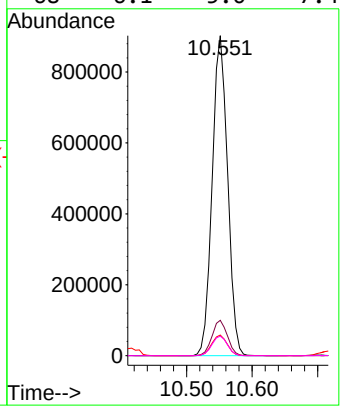


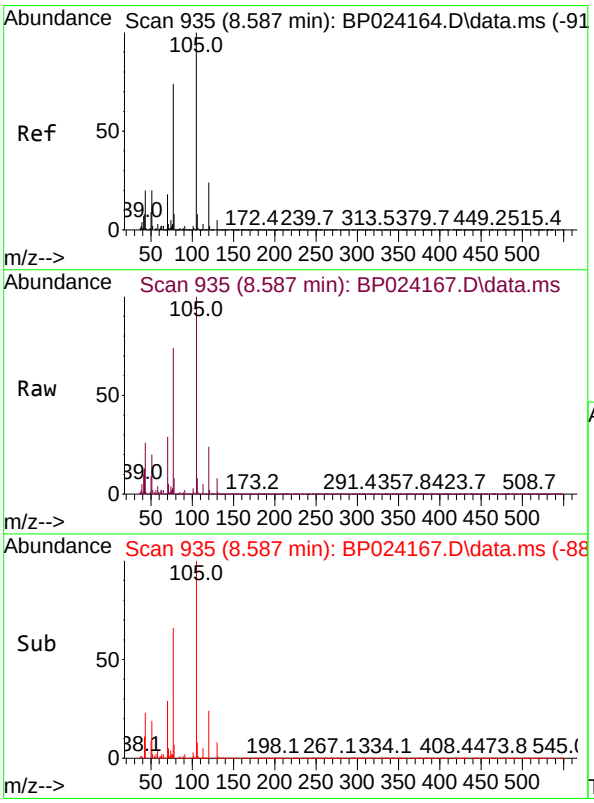

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.551 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:136 Resp: 1468727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 9.0 | 13.4 |
| 54 | 6.5 | 5.3 | 7.9 |
| 68 | 6.1 | 5.0 | 7.4 |

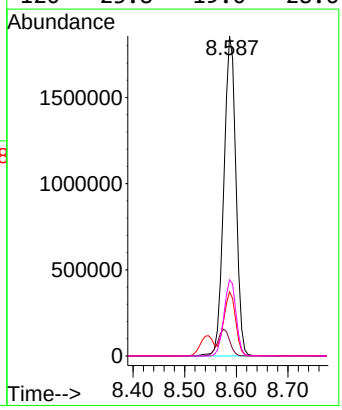


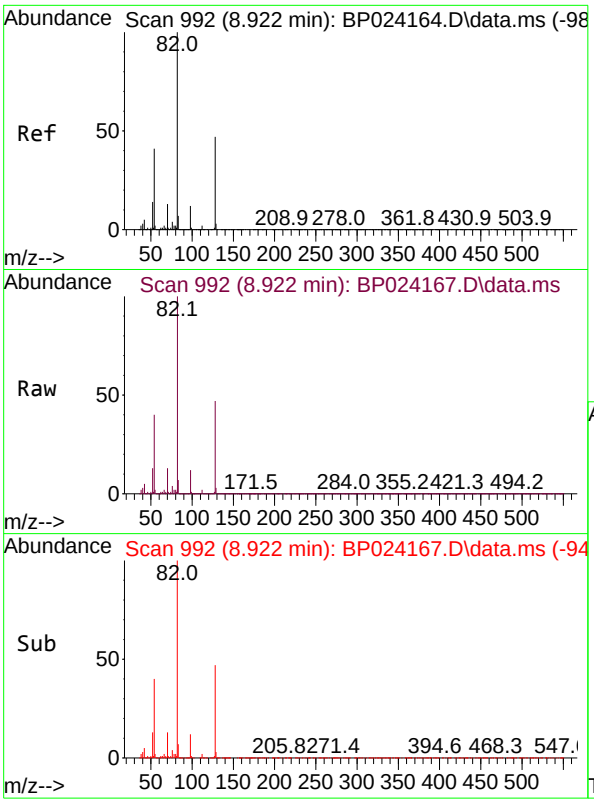




#22
Acetophenone
Concen: 79.697 ng
RT: 8.587 min Scan# 935
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:105 Resp: 3007941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 4.9 | 2.4 | 3.6# |
| 51 | 20.0 | 16.2 | 24.2 |
| 120 | 23.8 | 19.0 | 28.6 |



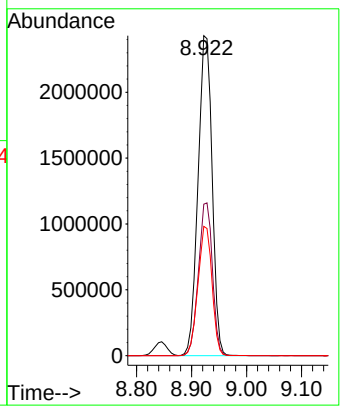


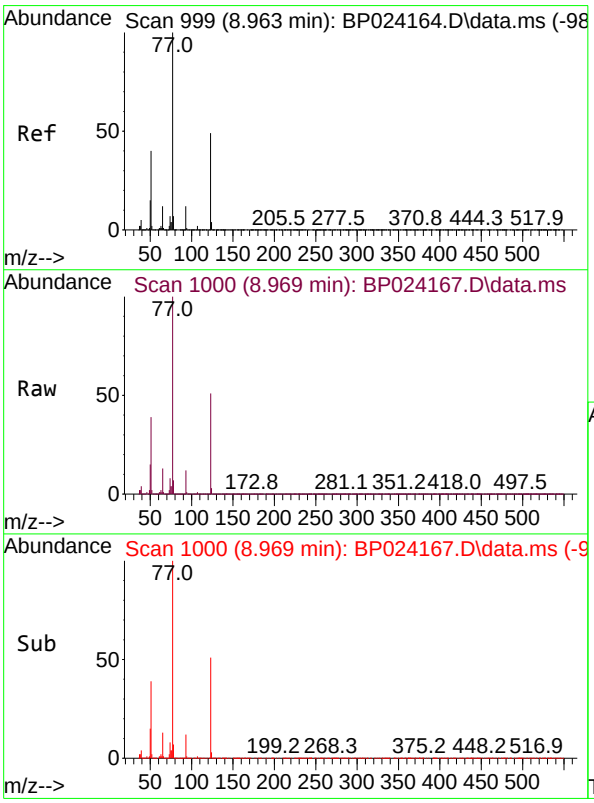

#23
Nitrobenzene-d5
Concen: 163.878 ng
RT: 8.922 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 82 Resp: 4314346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.4 | 37.4 | 56.0 |
| 54 | 40.4 | 32.5 | 48.7 |

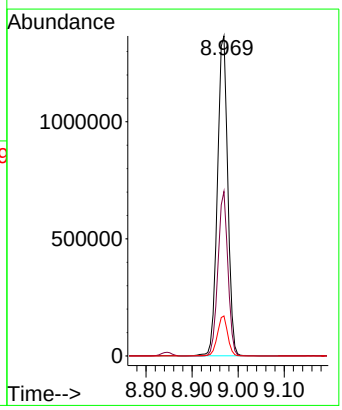


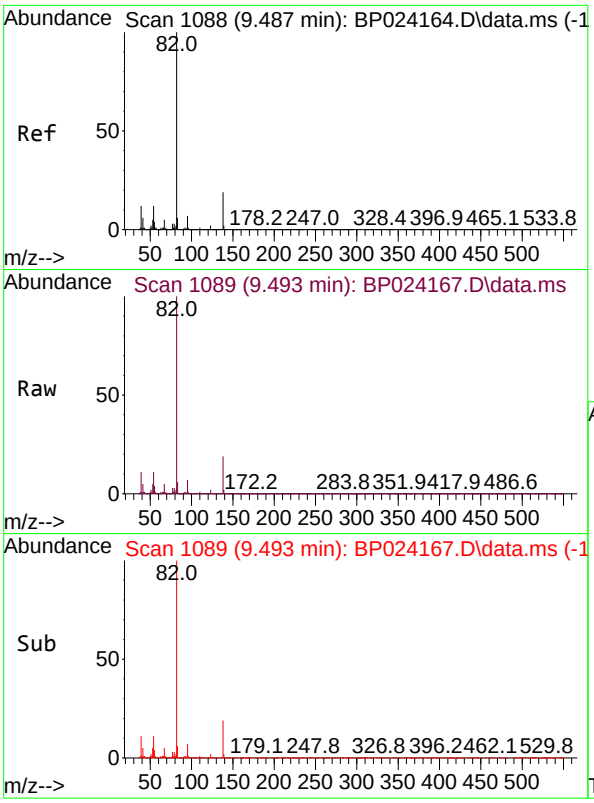




#24
Nitrobenzene
Concen: 81.768 ng
RT: 8.969 min Scan# 1000
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion: 77 Resp: 2118548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 51.4 | 39.4 | 59.2 |
| 65 | 12.5 | 9.9 | 14.9 |



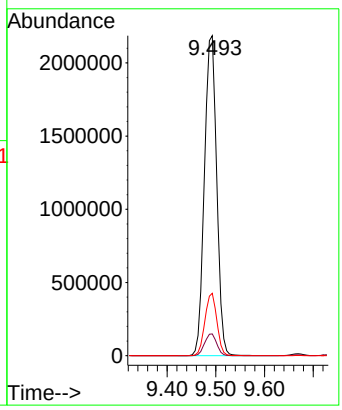


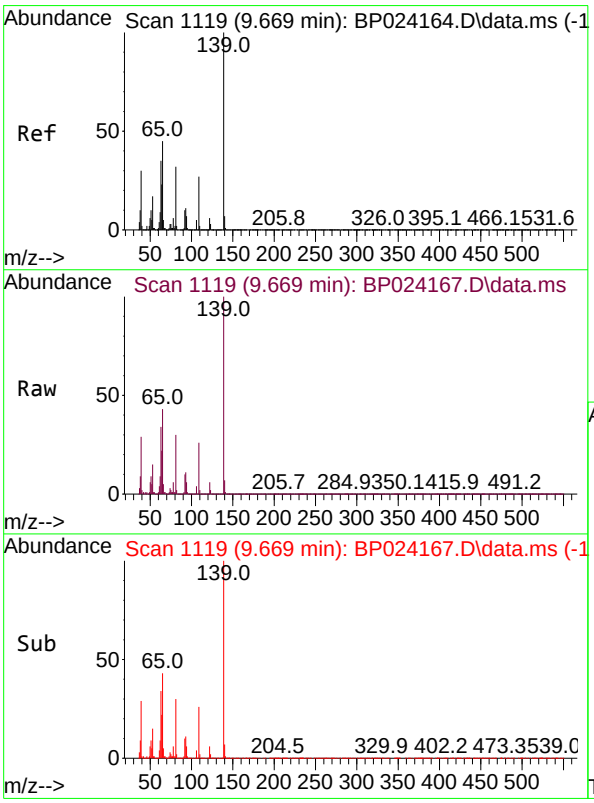

#25
Isophorone
Concen: 88.570 ng
RT: 9.493 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 82 Resp: 3813082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.8 | 5.3 | 7.9 |
| 138 | 19.5 | 14.8 | 22.2 |

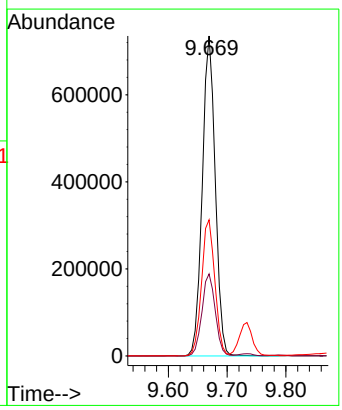


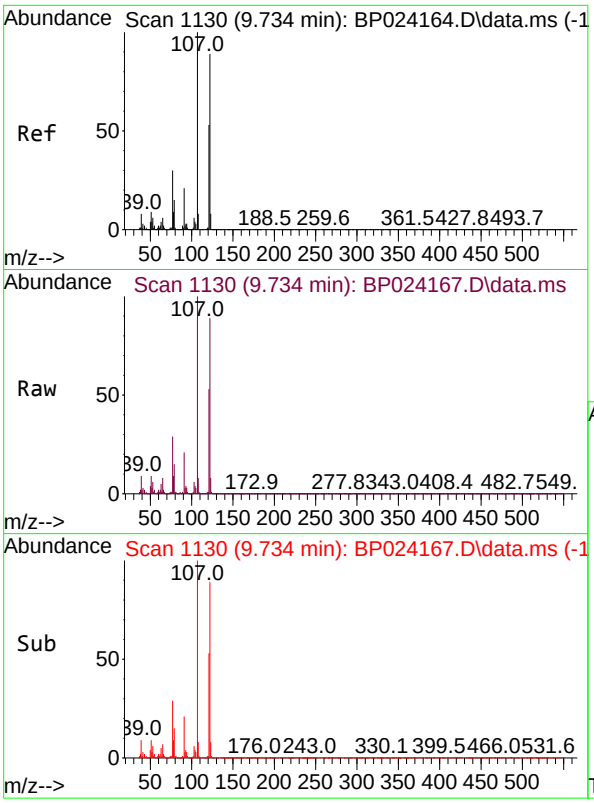




#26
2-Nitrophenol
Concen: 94.646 ng
RT: 9.669 min Scan# 1119
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:139 Resp: 1129770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 25.7 | 21.7 | 32.5 |
| 65 | 42.6 | 35.8 | 53.8 |



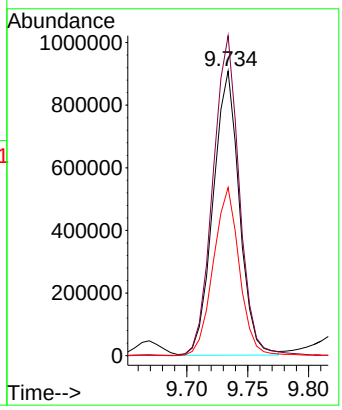


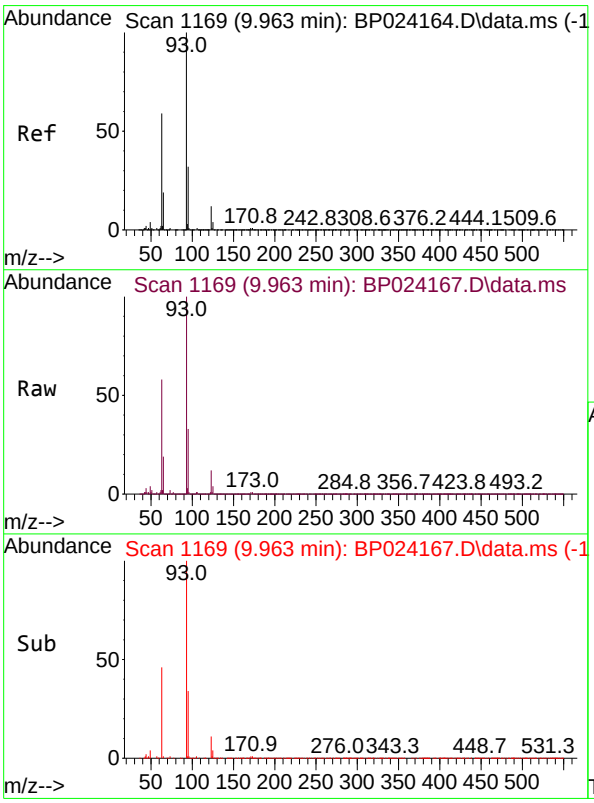

#27
2,4-Dimethylphenol
Concen: 86.904 ng
RT: 9.734 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:122 Resp: 1361694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 112.4 | 89.3 | 133.9 |
| 121 | 59.0 | 47.5 | 71.3 |

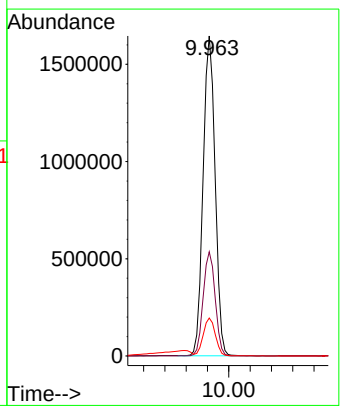


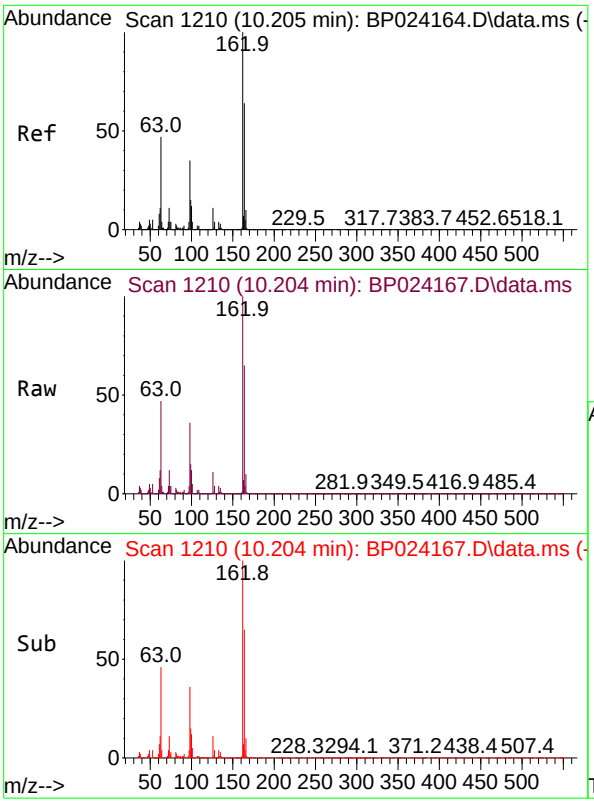




#28
bis(2-Chloroethoxy)methane
Concen: 82.625 ng
RT: 9.963 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion: 93 Resp: 2576867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.6 | 25.9 | 38.9 |
| 123 | 11.8 | 9.5 | 14.3 |



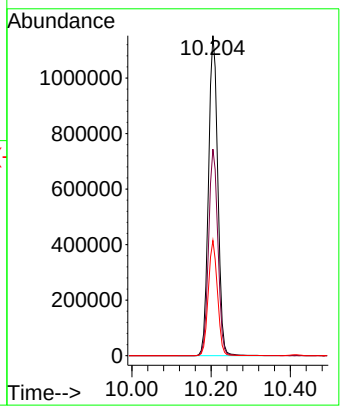


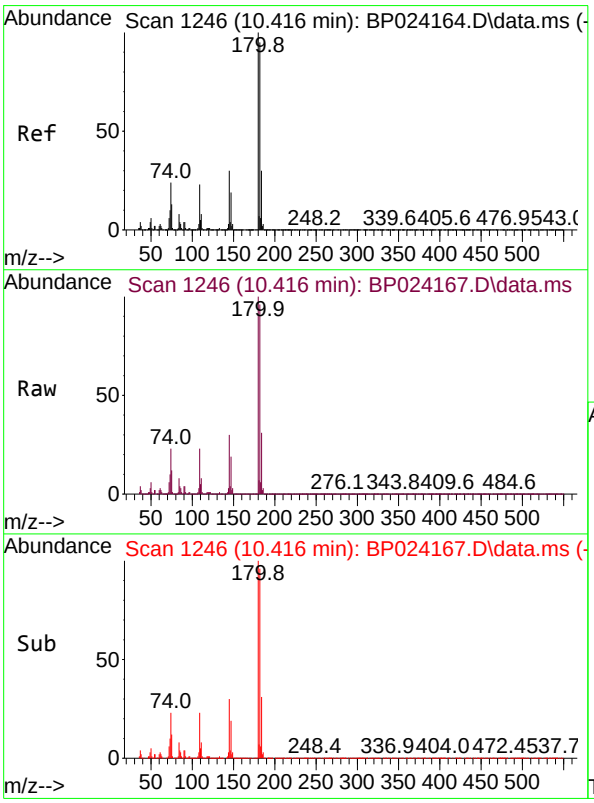

#29
2,4-Dichlorophenol
Concen: 87.724 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:162 Resp: 1875825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.5 | 44.2 | 84.2 |
| 98 | 36.0 | 15.1 | 55.1 |

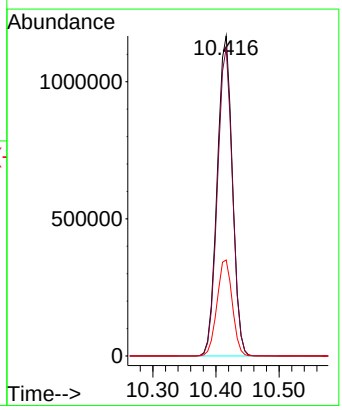


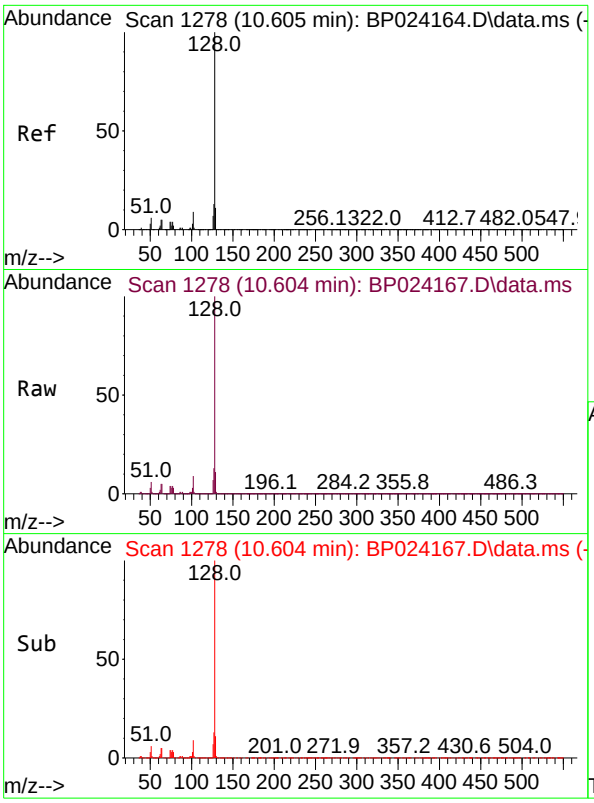




#30
1,2,4-Trichlorobenzene
Concen: 79.431 ng
RT: 10.416 min Scan# 1246
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:180 Resp: 1946046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.3 | 76.1 | 114.1 |
| 145 | 30.0 | 24.2 | 36.2 |



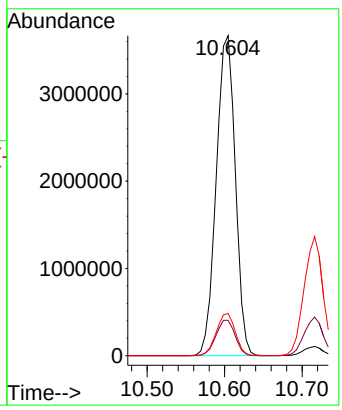


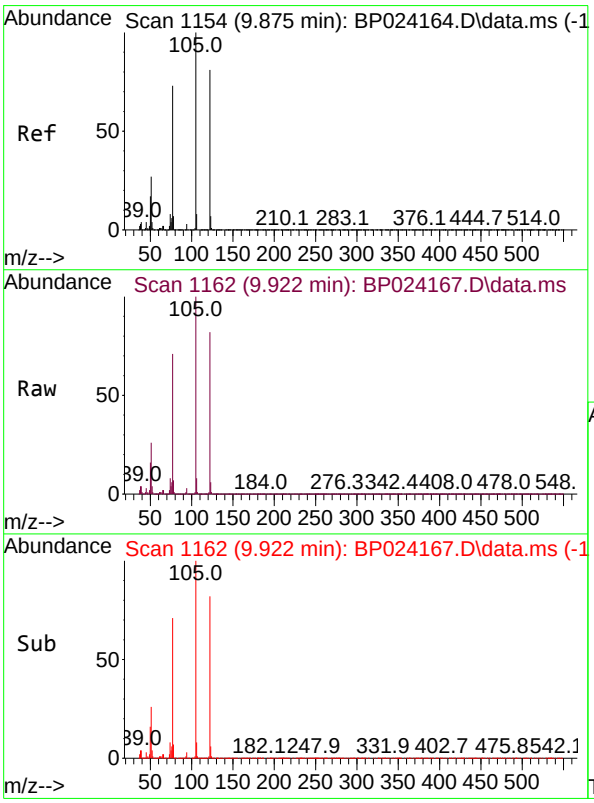

#31
Naphthalene
Concen: 79.507 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:128 Resp: 6278869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 8.7 | 13.1 |
| 127 | 13.2 | 10.4 | 15.6 |

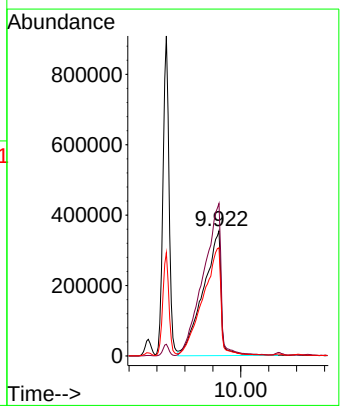


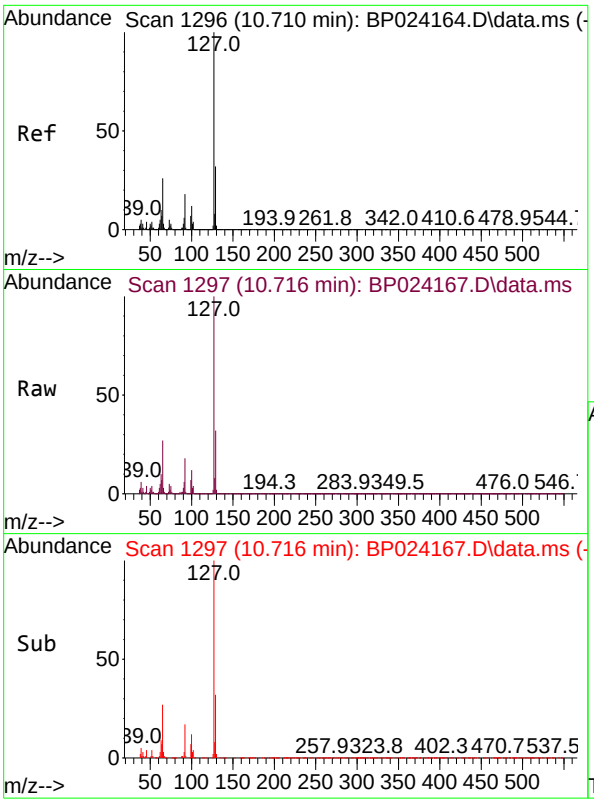




#32
Benzoic acid
Concen: 109.564 ng
RT: 9.922 min Scan# 1162
Delta R.T. 0.047 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:122 Resp: 1573847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 121.9 | 100.3 | 140.3 |
| 77 | 86.4 | 69.1 | 109.1 |



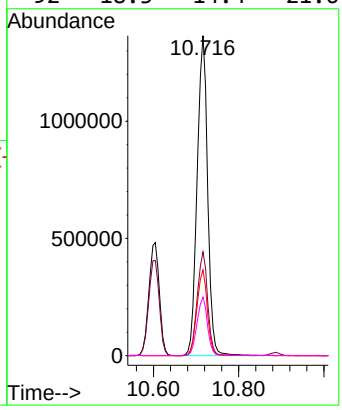


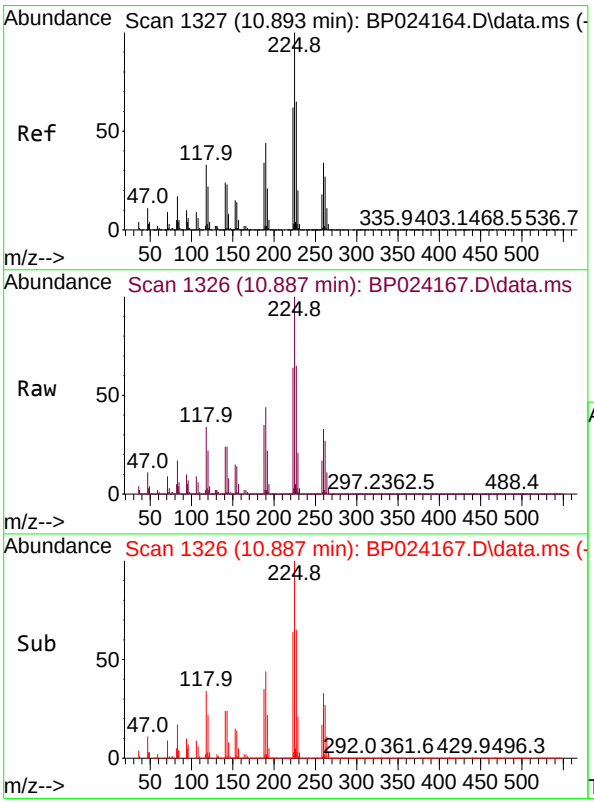

#33
4-Chloroaniline
Concen: 83.990 ng
RT: 10.716 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:127 Resp: 2336710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.4 | 25.8 | 38.6 |
| 65 | 26.8 | 21.2 | 31.8 |
| 92 | 18.3 | 14.4 | 21.6 |

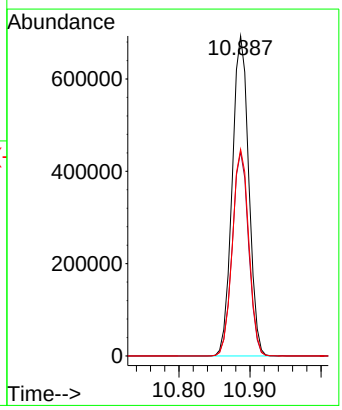


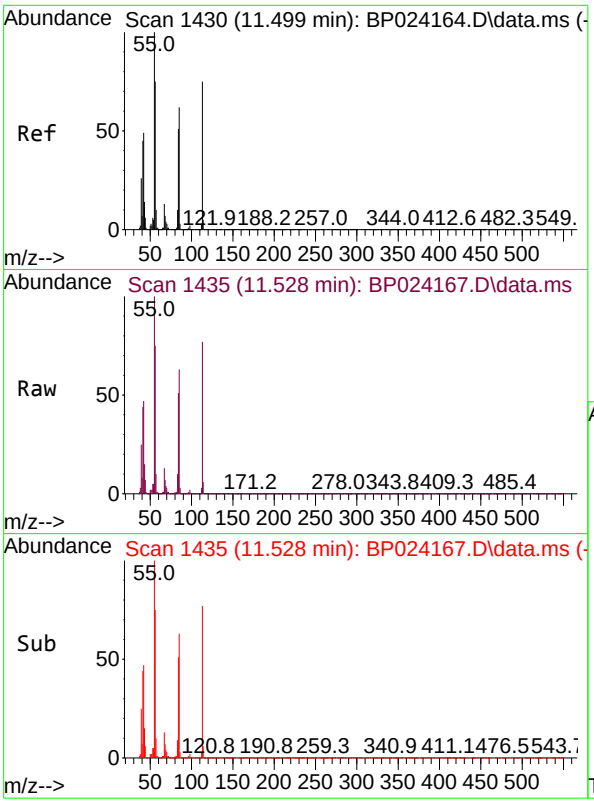




#34
Hexachlorobutadiene
Concen: 79.213 ng
RT: 10.887 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:225 Resp: 1124081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.9 | 49.9 | 74.9 |
| 227 | 64.6 | 52.2 | 78.2 |



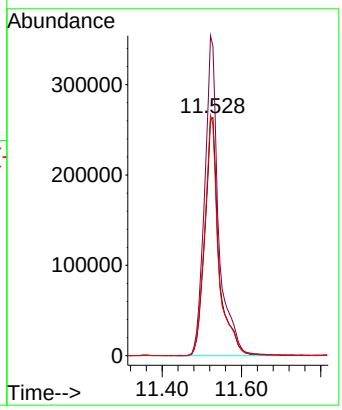


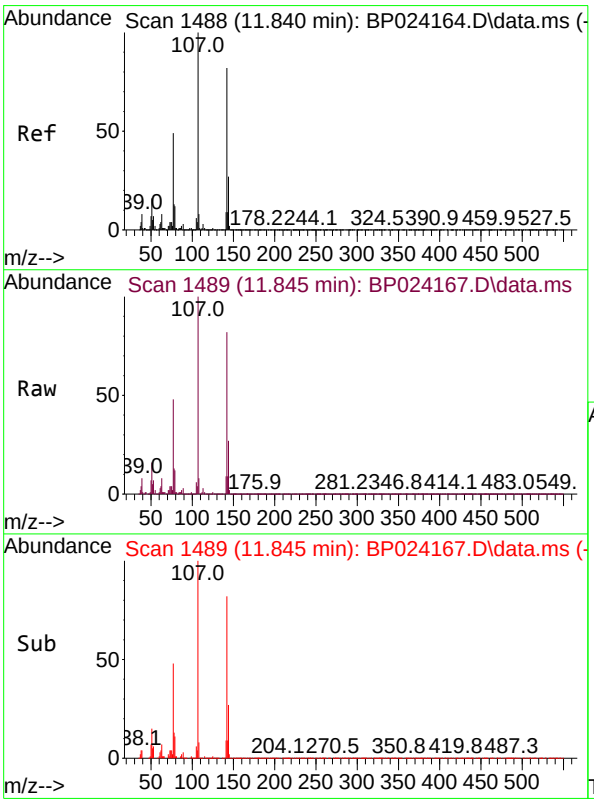

#35
Caprolactam
Concen: 101.156 ng
RT: 11.528 min Scan# 14
Delta R.T. 0.029 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:113 Resp: 654999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 130.2 | 113.6 | 153.6 |
| 56 | 97.1 | 80.0 | 120.0 |

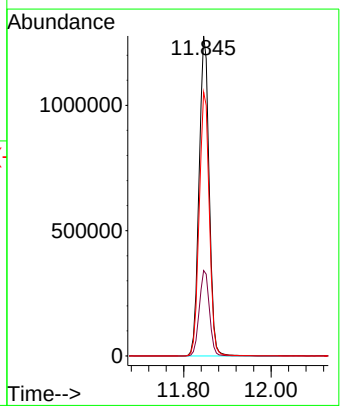


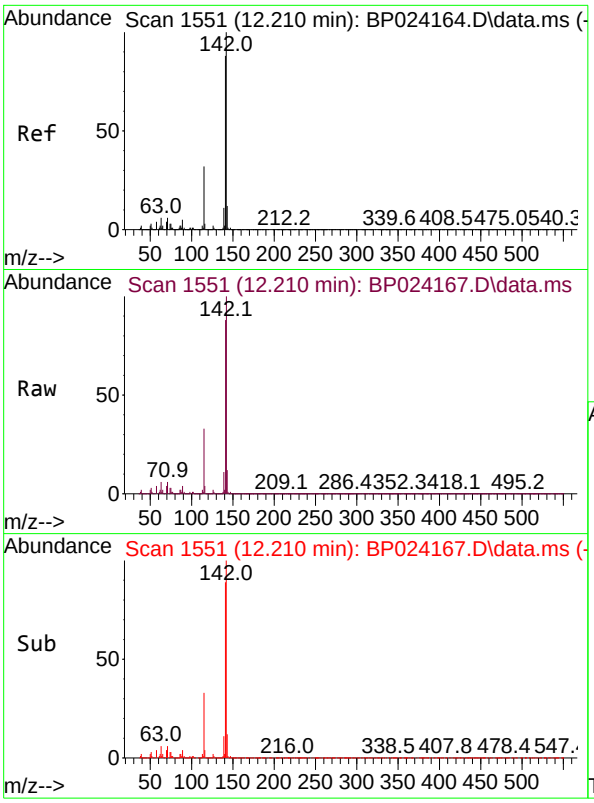




#36
4-Chloro-3-methylphenol
Concen: 92.924 ng
RT: 11.845 min Scan# 1489
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:107 Resp: 2042687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.7 | 21.6 | 32.4 |
| 142 | 82.4 | 65.4 | 98.0 |



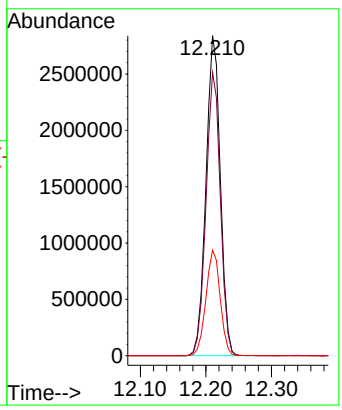


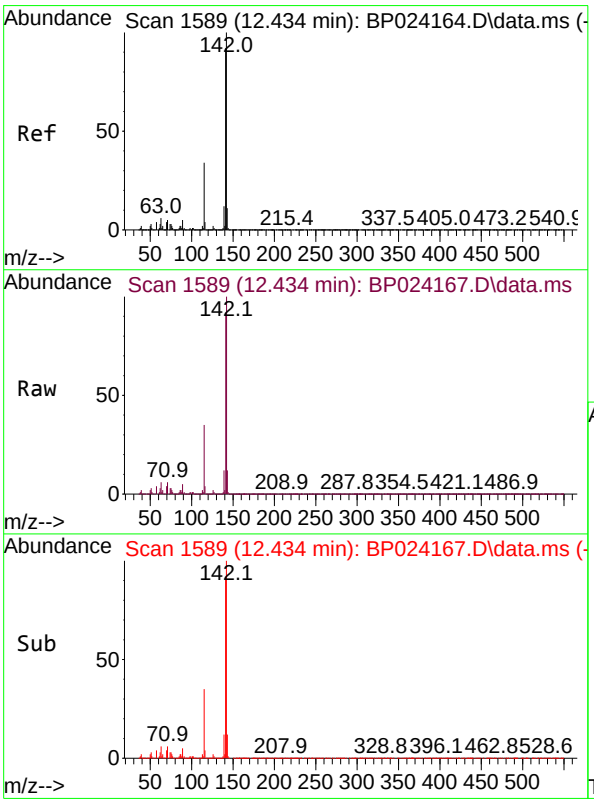

#37
2-Methylnaphthalene
Concen: 82.244 ng
RT: 12.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:142 Resp: 4316966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.5 | 70.3 | 105.5 |
| 115 | 33.0 | 26.0 | 39.0 |

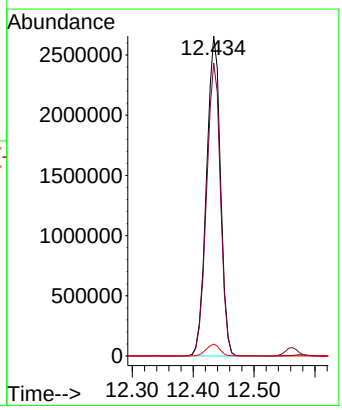


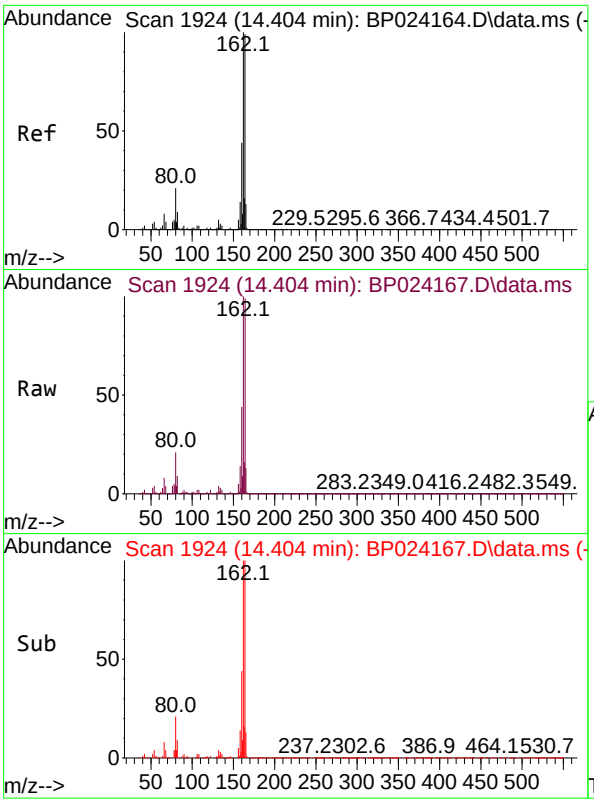




#38
1-Methylnaphthalene
Concen: 82.791 ng
RT: 12.434 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:142 Resp: 4227550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.6 | 73.9 | 110.9 |
| 116 | 3.7 | 2.8 | 4.2 |



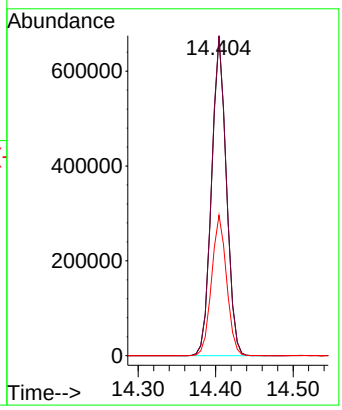


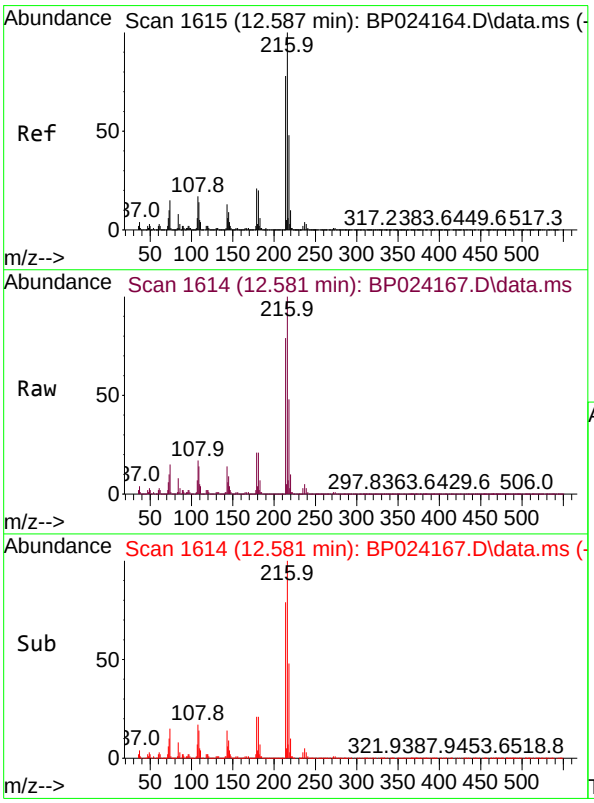

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:164 Resp: 888748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.5 | 80.6 | 121.0 |
| 160 | 44.1 | 35.4 | 53.2 |

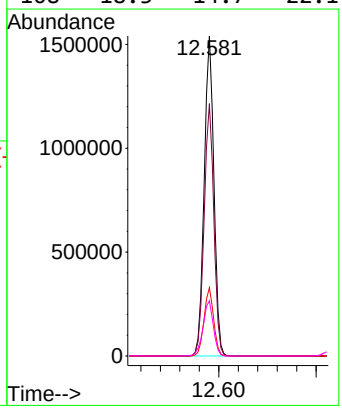


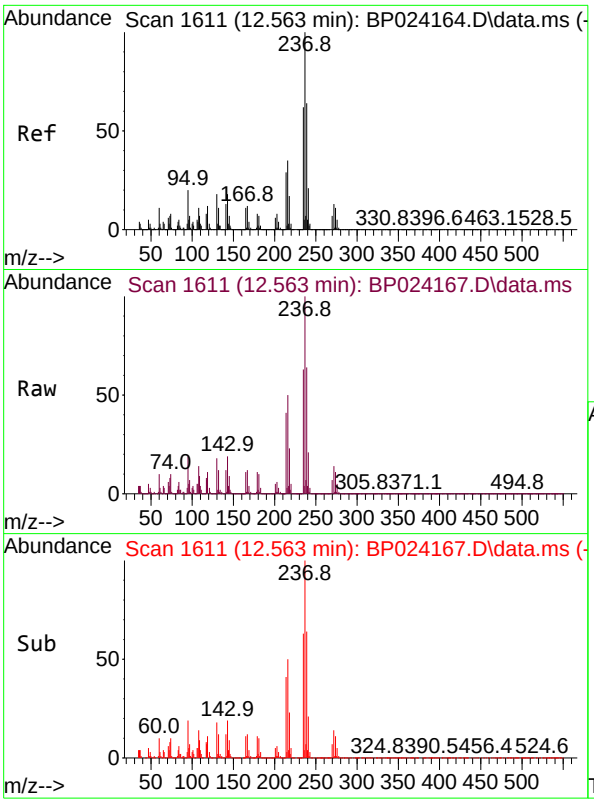




#40
1,2,4,5-Tetrachlorobenzene
Concen: 77.644 ng
RT: 12.581 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:216 Resp: 2120251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.8 | 62.8 | 94.2 |
| 179 | 21.0 | 16.8 | 25.2 |
| 108 | 18.3 | 14.7 | 22.1 |



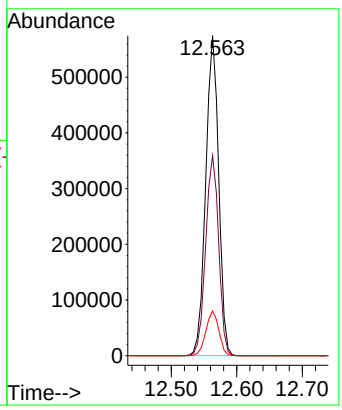


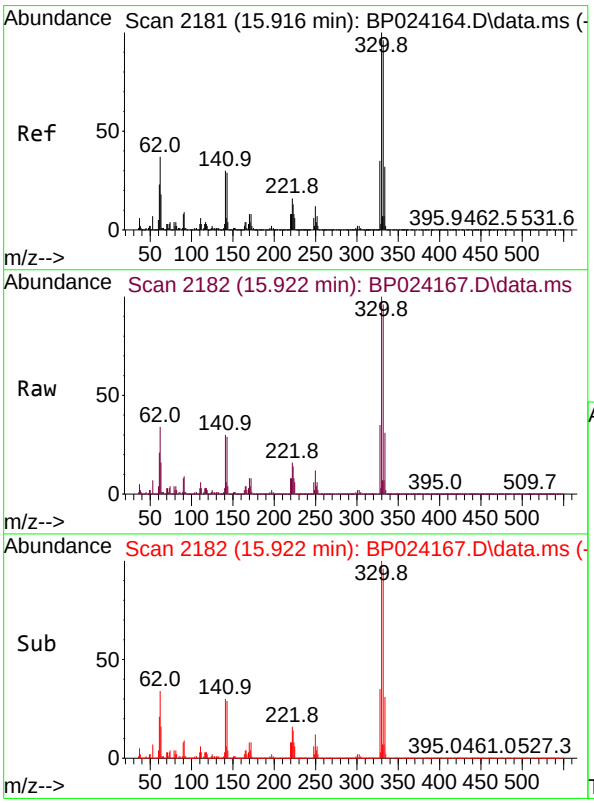

#41
Hexachlorocyclopentadiene
Concen: 77.633 ng
RT: 12.563 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:237 Resp: 788854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.5 | 41.8 | 81.8 |
| 272 | 14.0 | 0.0 | 33.5 |

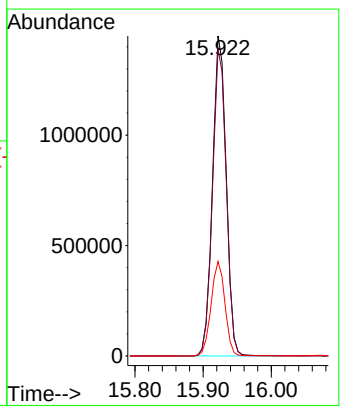


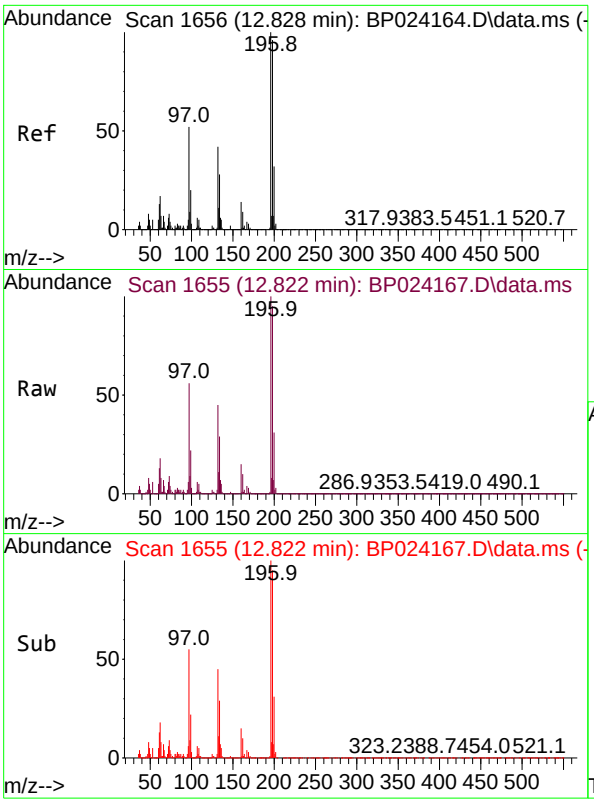




#42
2,4,6-Tribromophenol
Concen: 186.035 ng
RT: 15.922 min Scan# 2182
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:330 Resp: 2025211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 77.6 | 116.4 |
| 141 | 29.9 | 25.0 | 37.6 |



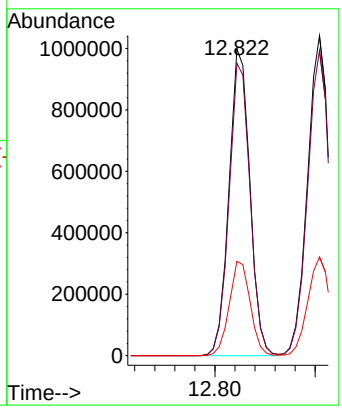


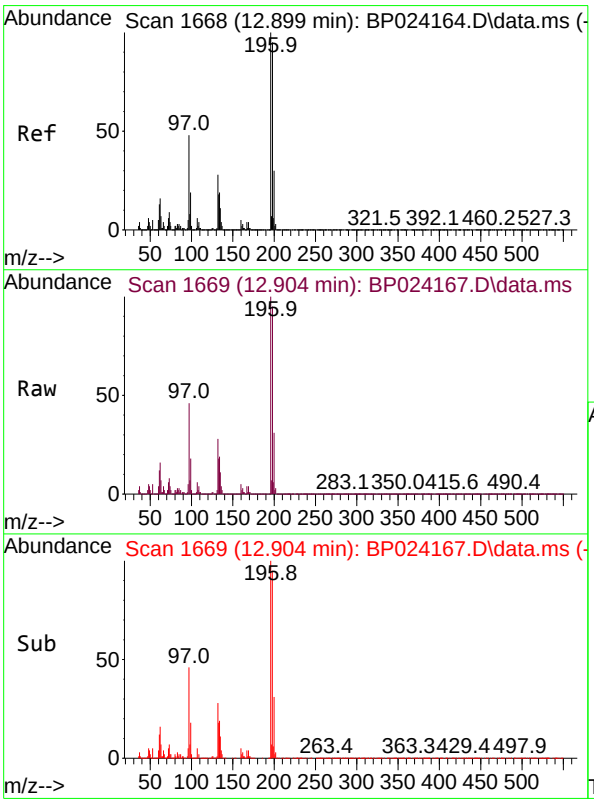

#43
2,4,6-Trichlorophenol
Concen: 86.697 ng
RT: 12.822 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:196 Resp: 1443797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.3 | 76.6 | 115.0 |
| 200 | 30.8 | 25.4 | 38.0 |

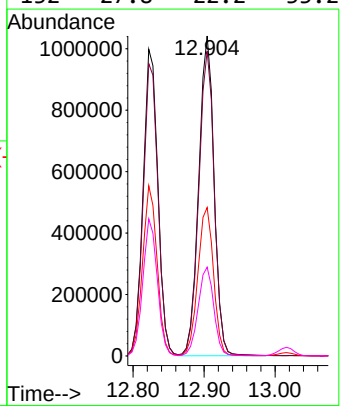


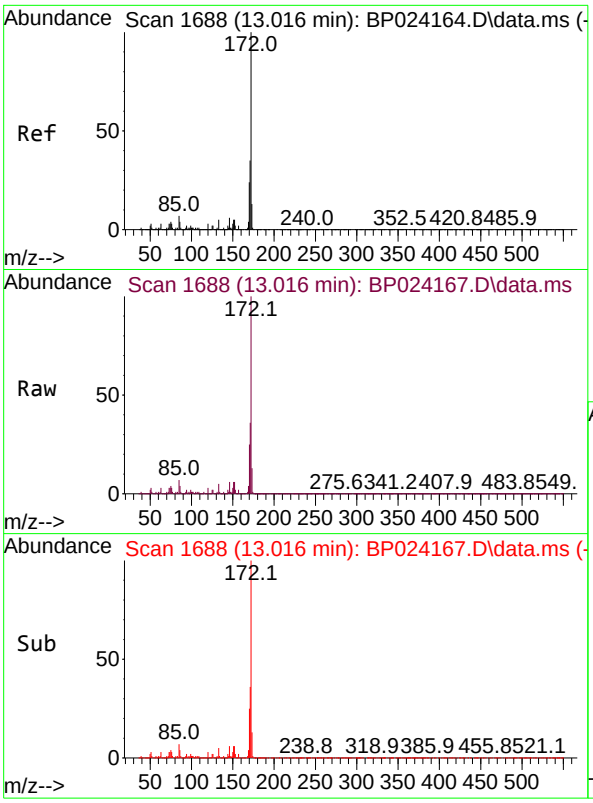




#44
2,4,5-Trichlorophenol
Concen: 86.506 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:196 Resp: 1575527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.4 | 76.5 | 114.7 |
| 97 | 46.4 | 38.7 | 58.1 |
| 132 | 27.8 | 22.2 | 33.2 |



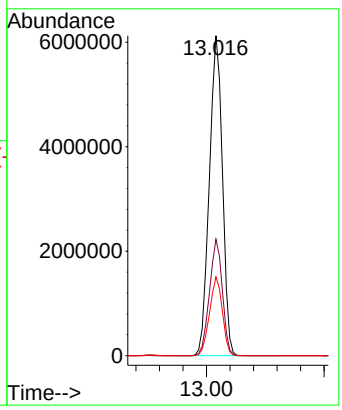


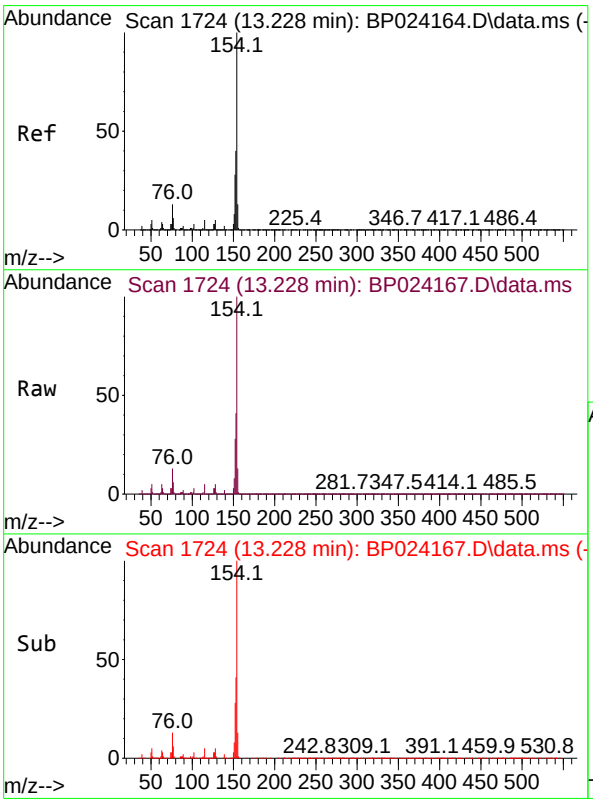

#45
2-Fluorobiphenyl
Concen: 148.993 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:172 Resp: 9471932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.4 | 28.3 | 42.5 |
| 170 | 24.6 | 19.0 | 28.4 |

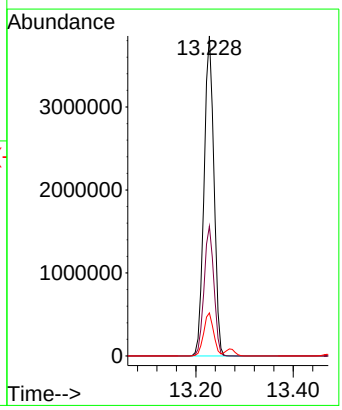


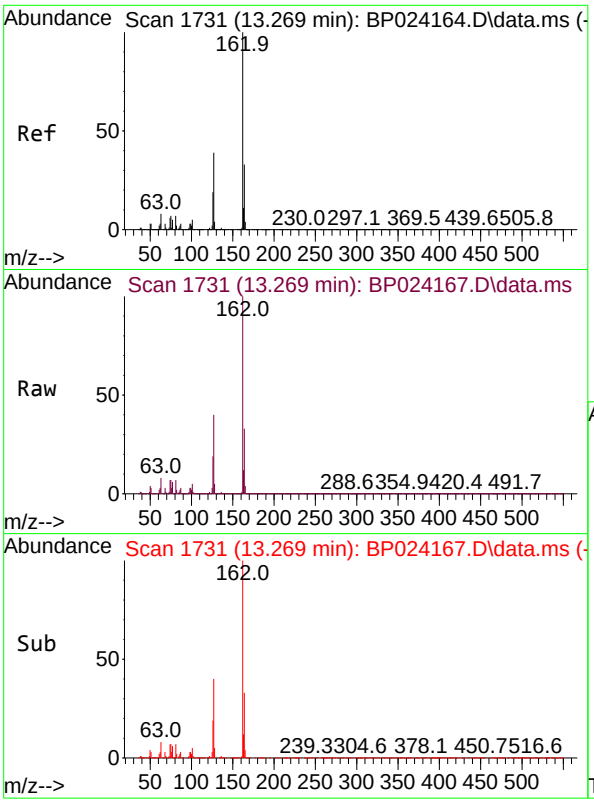




#46
1,1'-Biphenyl
Concen: 78.284 ng
RT: 13.228 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:154 Resp: 5406424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.6 | 20.3 | 60.3 |
| 76 | 13.4 | 0.0 | 32.9 |



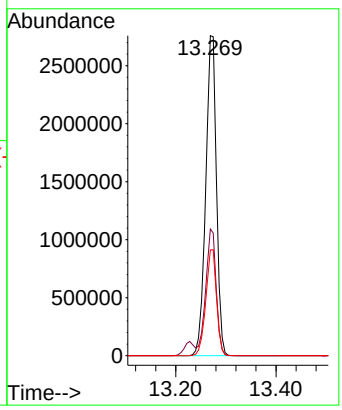


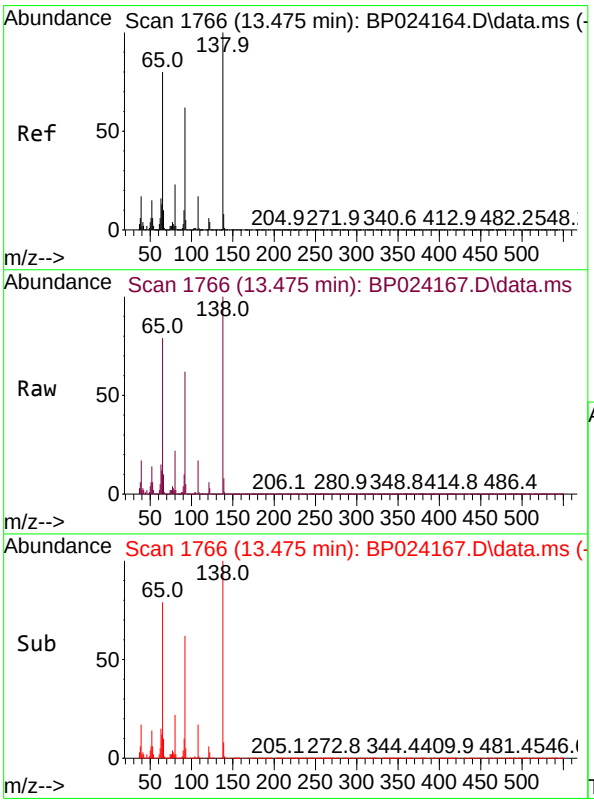

#47
2-Chloronaphthalene
Concen: 78.432 ng
RT: 13.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:162 Resp: 4094698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 39.6 | 31.5 | 47.3 |
| 164 | 33.0 | 26.6 | 39.8 |

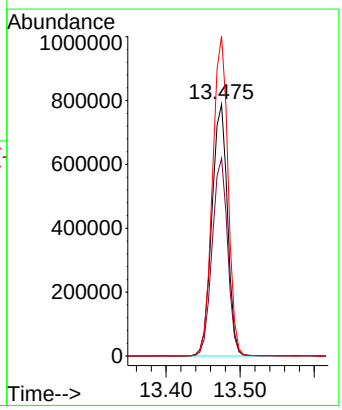


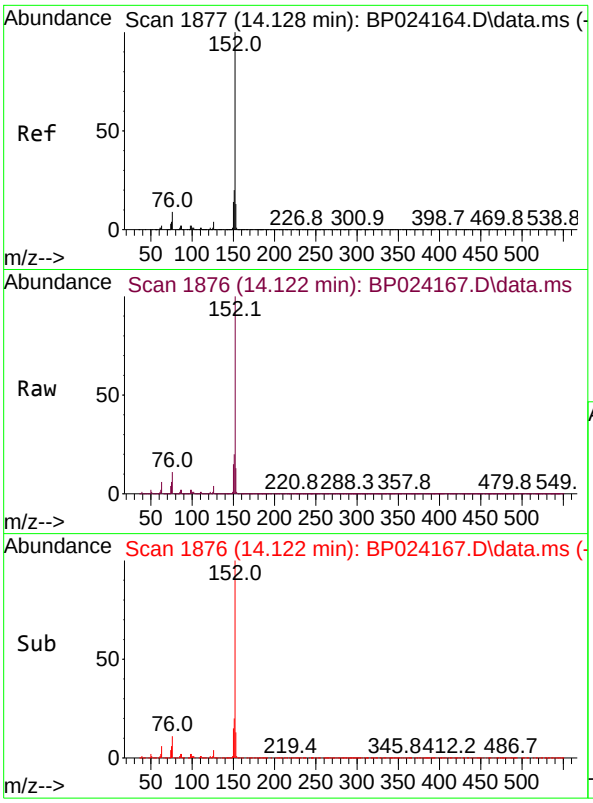




#48
2-Nitroaniline
Concen: 93.303 ng
RT: 13.475 min Scan# 1766
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion: 65 Resp: 1150637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 78.6 | 62.1 | 93.1 |
| 138 | 127.1 | 99.5 | 149.3 |



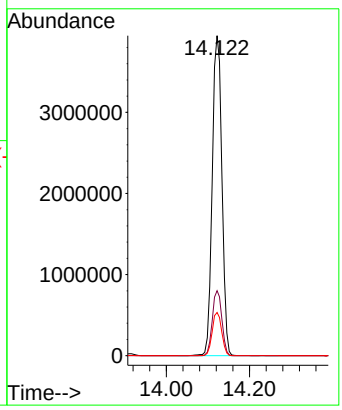


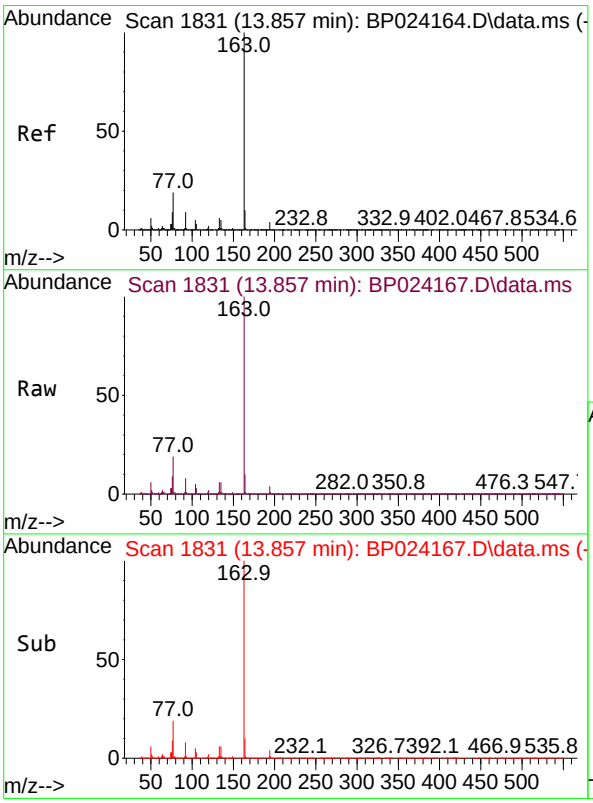

#49
Acenaphthylene
Concen: 82.473 ng
RT: 14.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:152 Resp: 6343598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.0 | 24.0 |
| 153 | 13.5 | 10.6 | 15.8 |

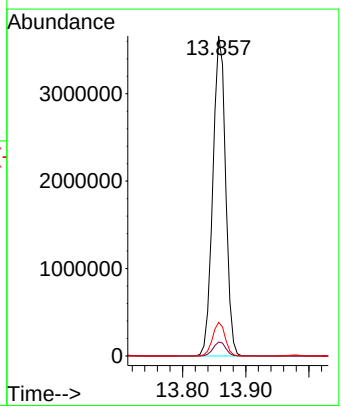


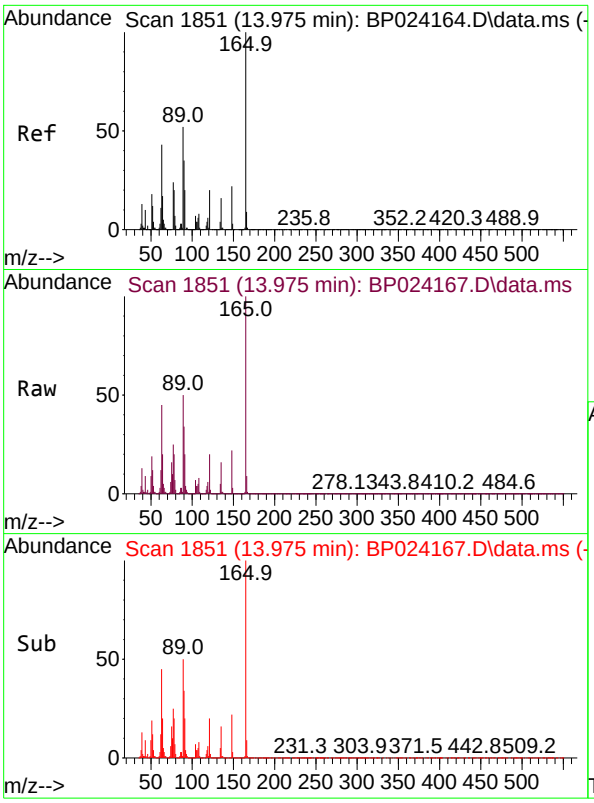




#50
Dimethylphthalate
Concen: 81.603 ng
RT: 13.857 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:163 Resp: 5115780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.4 | 3.4 | 5.0 |
| 164 | 10.5 | 8.2 | 12.4 |



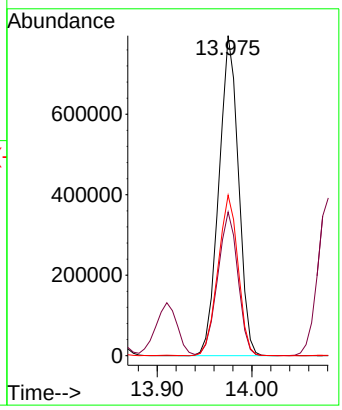


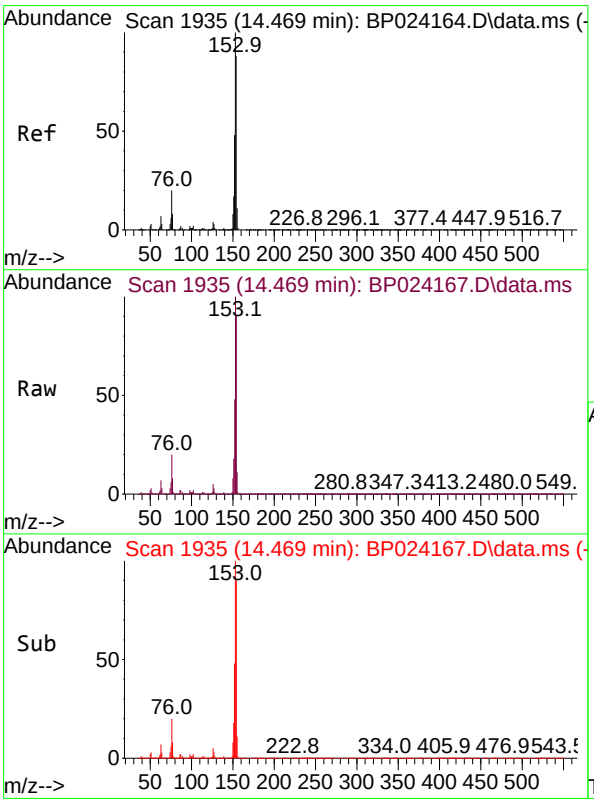

#51
2,6-Dinitrotoluene
Concen: 89.740 ng
RT: 13.975 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:165 Resp: 1146015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 44.9 | 37.7 | 56.5 |
| 89 | 50.2 | 41.9 | 62.9 |

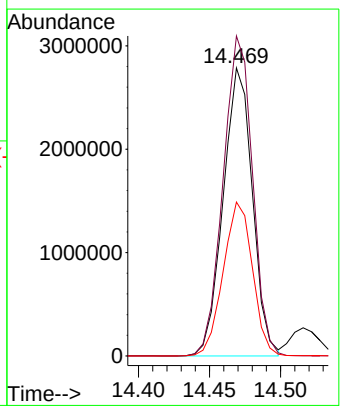


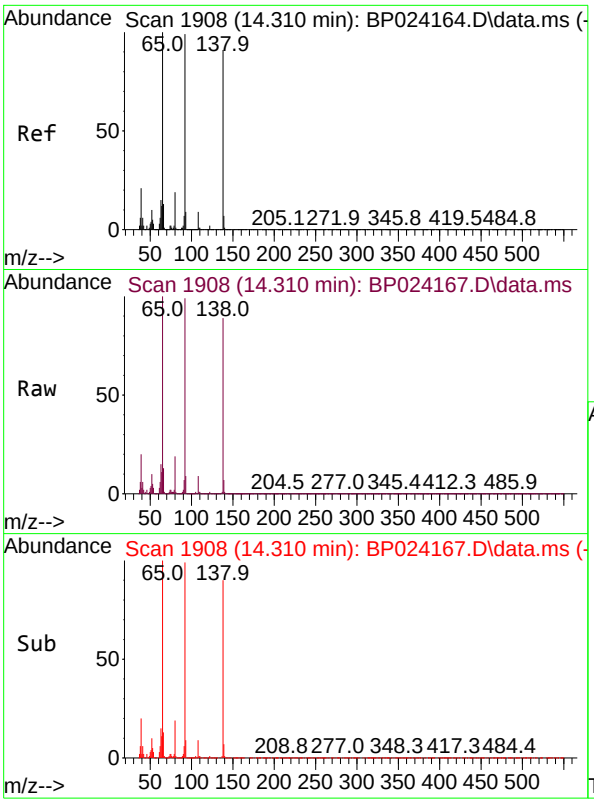




#52
Acenaphthene
Concen: 80.473 ng
RT: 14.469 min Scan# 1935
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:154 Resp: 3985981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.1 | 90.5 | 135.7 |
| 152 | 53.5 | 43.1 | 64.7 |



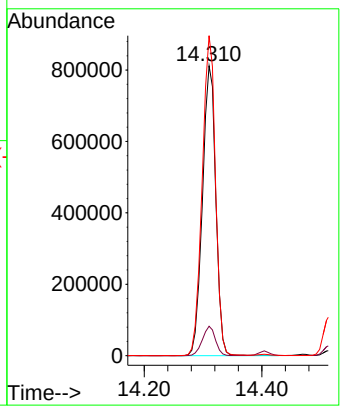


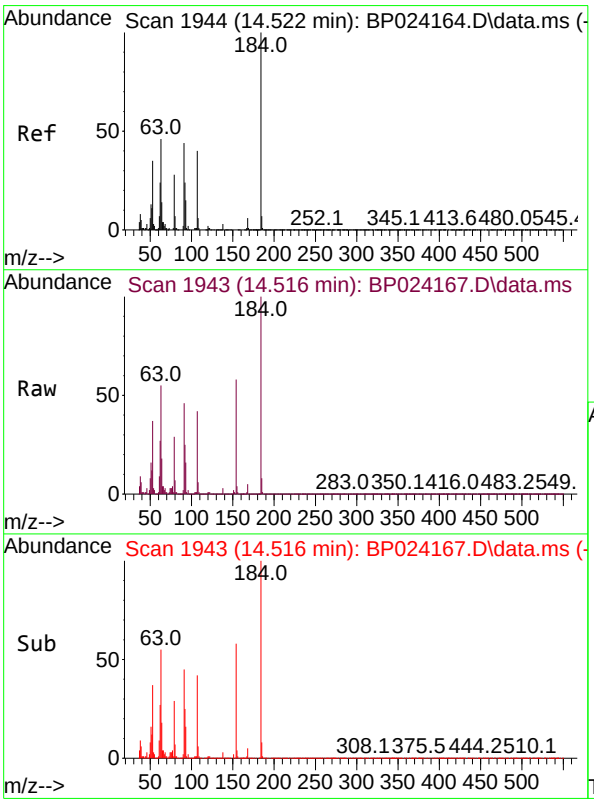

#53
3-Nitroaniline
Concen: 93.713 ng
RT: 14.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:138 Resp: 1277036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.2 | 8.2 | 12.2 |
| 92 | 110.4 | 86.7 | 130.1 |

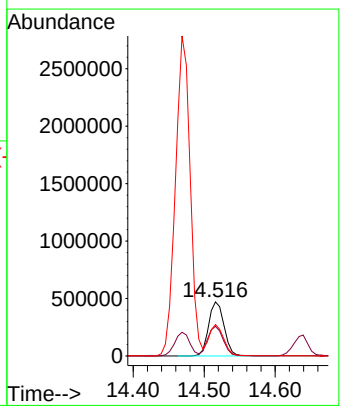


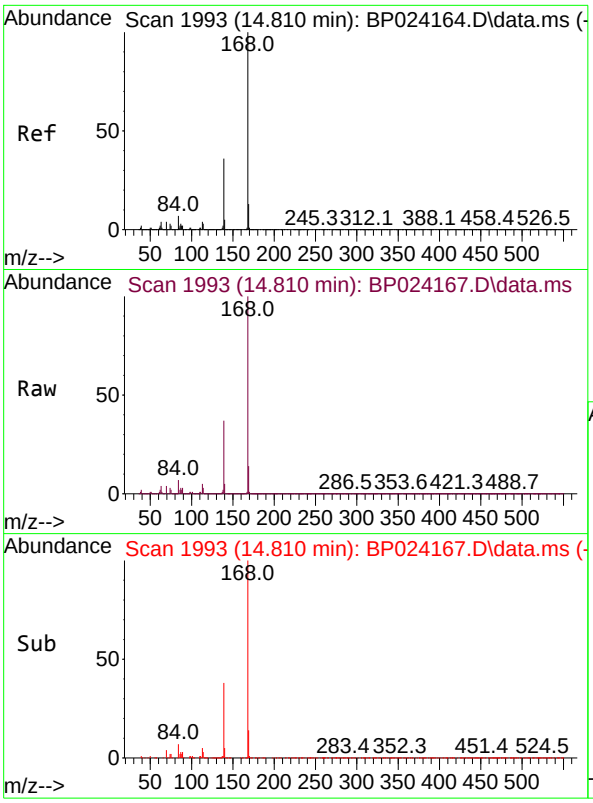




#54
2,4-Dinitrophenol
Concen: 104.772 ng
RT: 14.516 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:184 Resp: 712550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 54.8 | 42.1 | 63.1 |
| 154 | 57.9 | 44.6 | 67.0 |



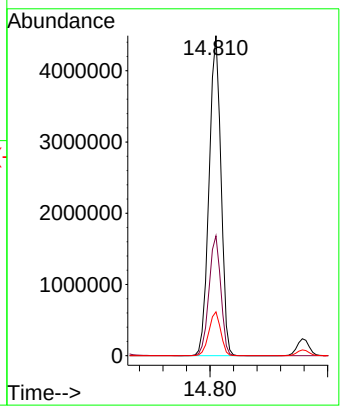


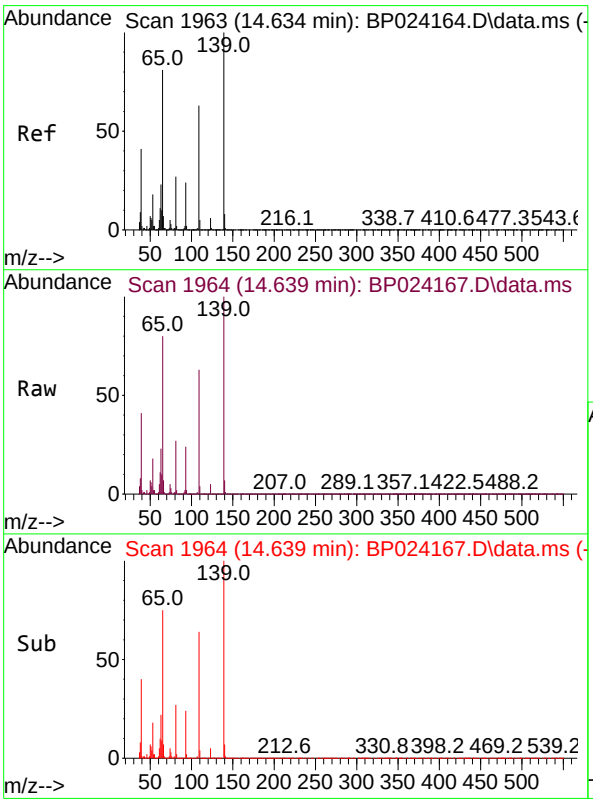

#55
Dibenzofuran
Concen: 78.144 ng
RT: 14.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:168 Resp: 6287848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.4 | 29.1 | 43.7 |
| 169 | 13.7 | 10.8 | 16.2 |

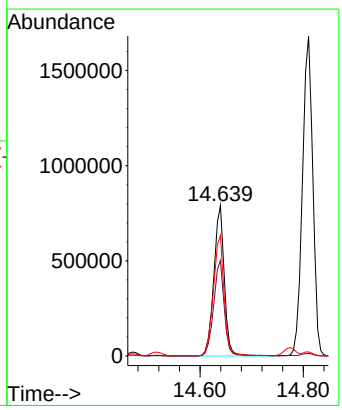


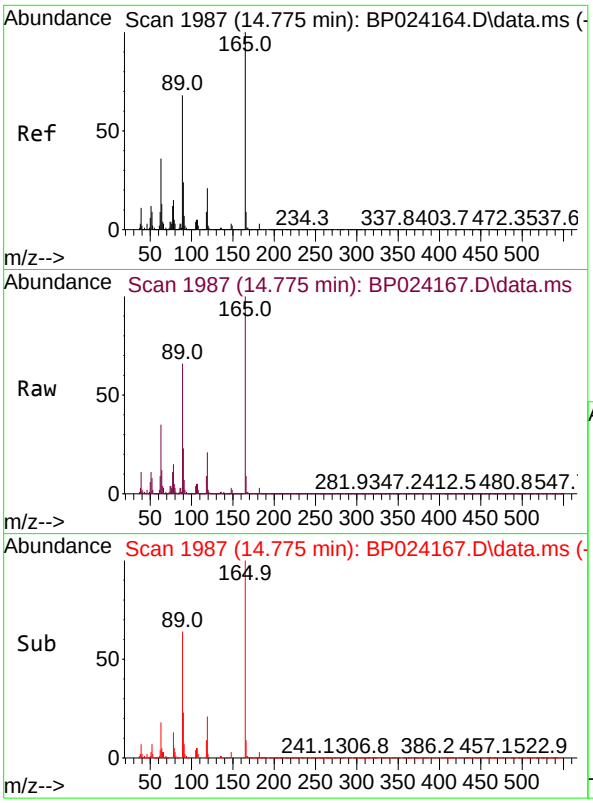




#56
4-Nitrophenol
Concen: 94.320 ng
RT: 14.639 min Scan# 1964
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:139 Resp: 1110260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 63.5 | 43.3 | 83.3 |
| 65 | 80.2 | 61.2 | 101.2 |



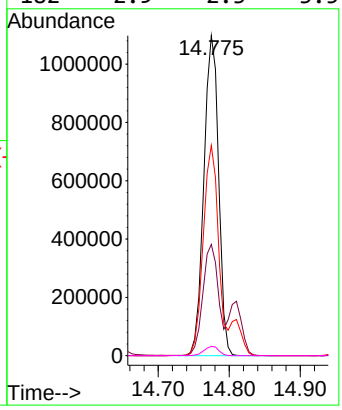


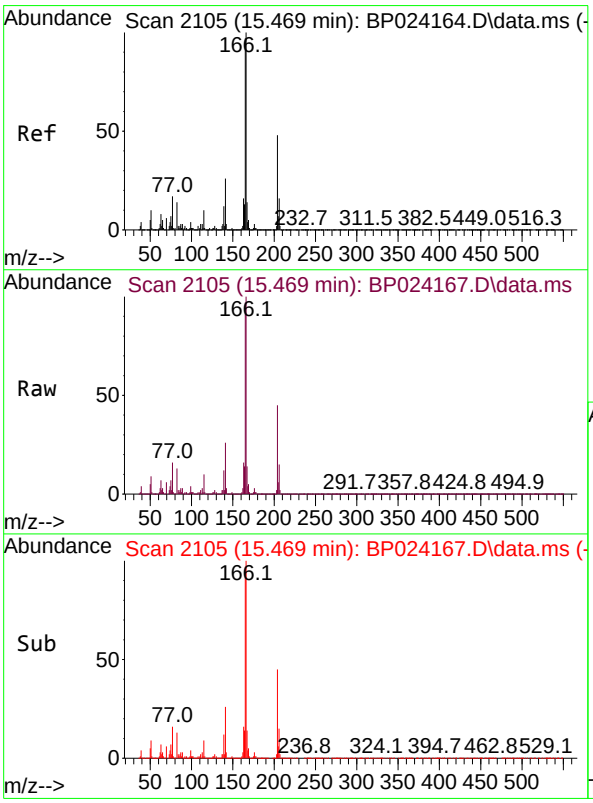

#57
2,4-Dinitrotoluene
Concen: 95.524 ng
RT: 14.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:165 Resp: 1584658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 34.8 | 29.0 | 43.6 |
| 89 | 65.7 | 54.2 | 81.4 |
| 182 | 2.9 | 2.3 | 3.5 |

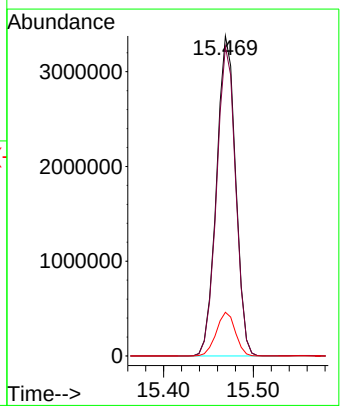


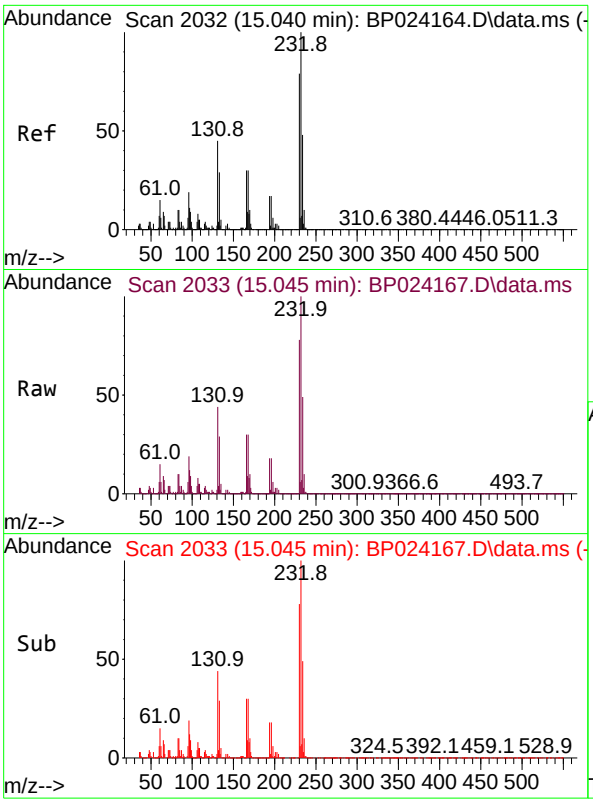




#58
Fluorene
Concen: 79.298 ng
RT: 15.469 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:166 Resp: 4983161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.7 | 77.6 | 116.4 |
| 167 | 13.7 | 10.8 | 16.2 |



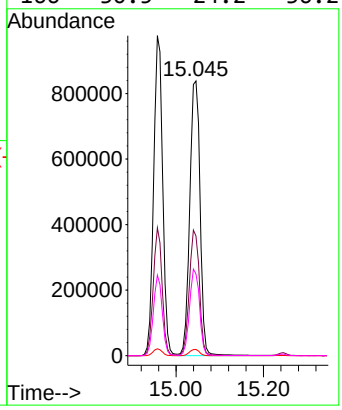


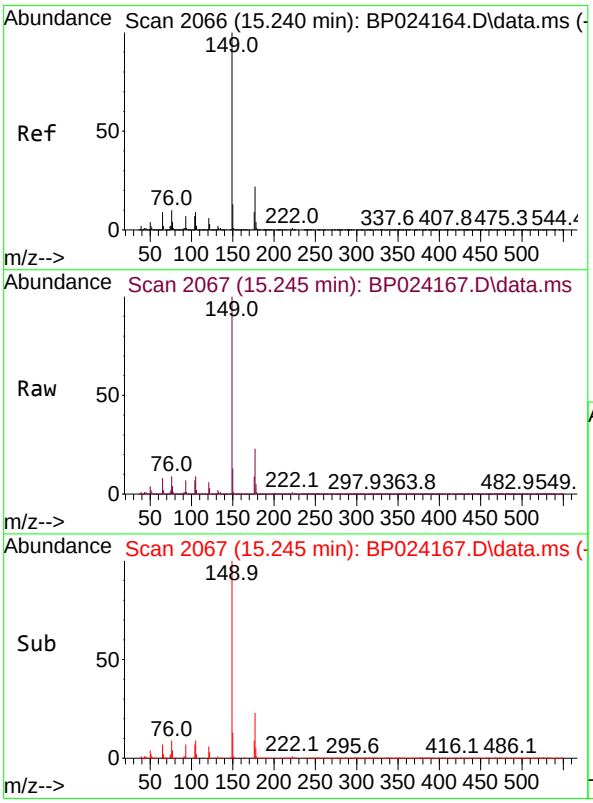

#59
2,3,4,6-Tetrachlorophenol
Concen: 86.797 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:232 Resp: 1371535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 44.8 | 35.9 | 53.9 |
| 130 | 2.2 | 1.8 | 2.6 |
| 166 | 30.5 | 24.2 | 36.2 |

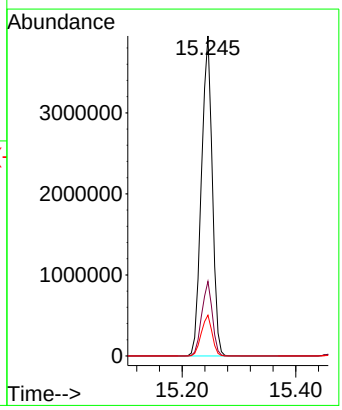


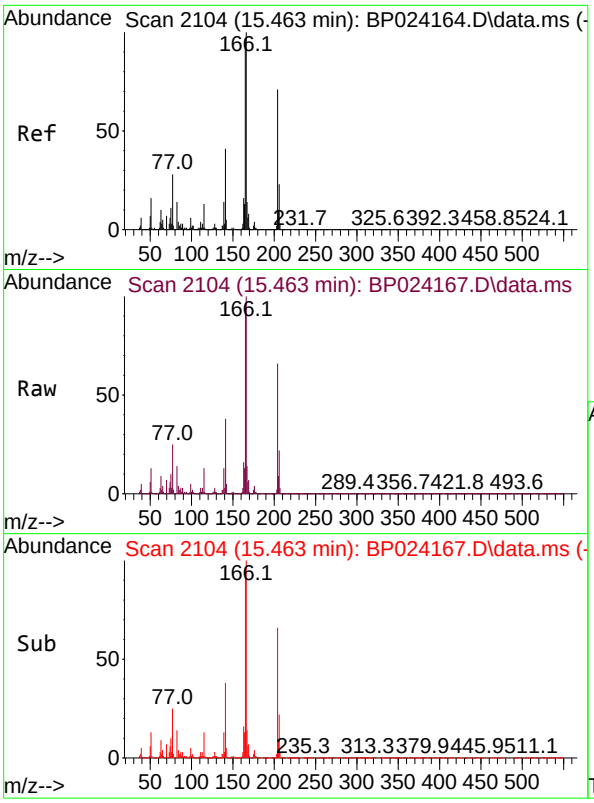




#60
Diethylphthalate
Concen: 83.898 ng
RT: 15.245 min Scan# 2067
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:149 Resp: 5221159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 23.3 | 17.7 | 26.5 |
| 150 | 12.7 | 10.2 | 15.4 |



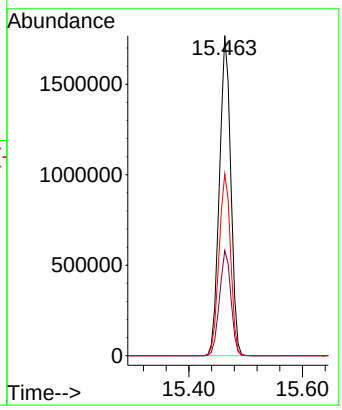


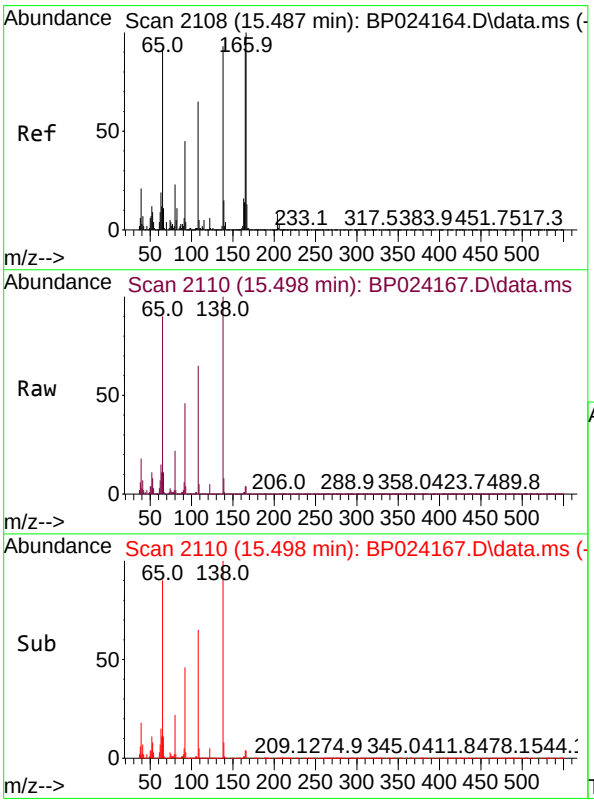

#61
4-Chlorophenyl-phenylether
Concen: 79.305 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:204 Resp: 2453010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.8 | 26.4 | 39.6 |
| 141 | 56.8 | 45.8 | 68.8 |

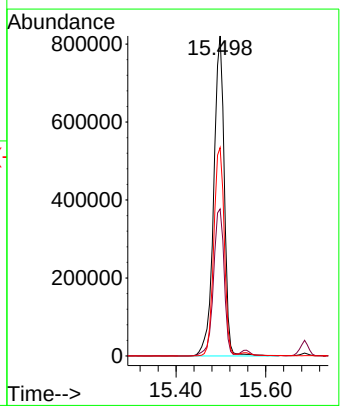


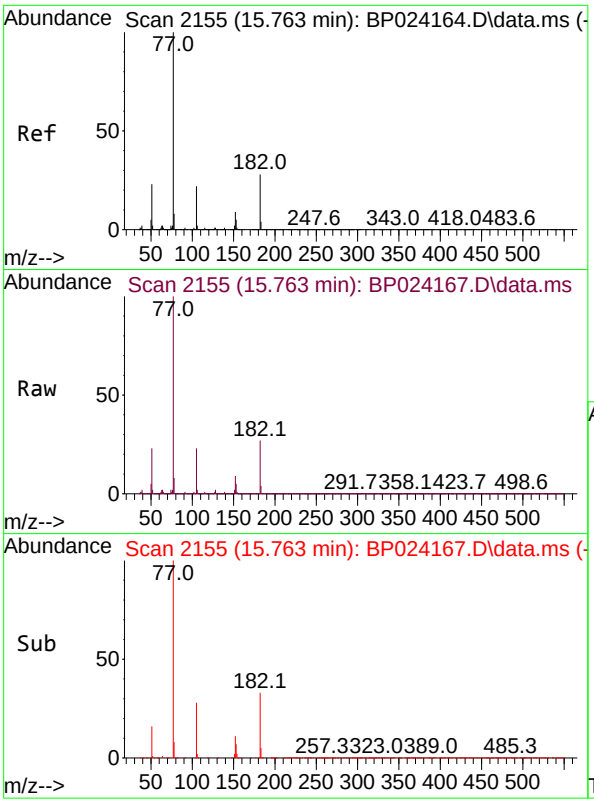




#62
4-Nitroaniline
Concen: 95.238 ng
RT: 15.498 min Scan# 2110
Delta R.T. 0.012 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:138 Resp: 1346814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 46.0 | 28.7 | 68.7 |
| 108 | 65.1 | 49.5 | 89.5 |



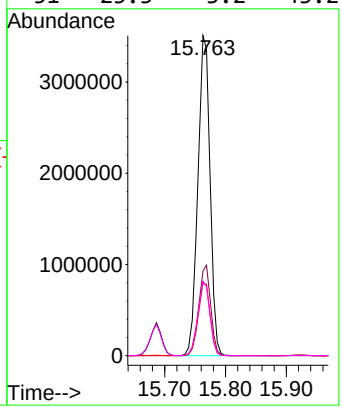


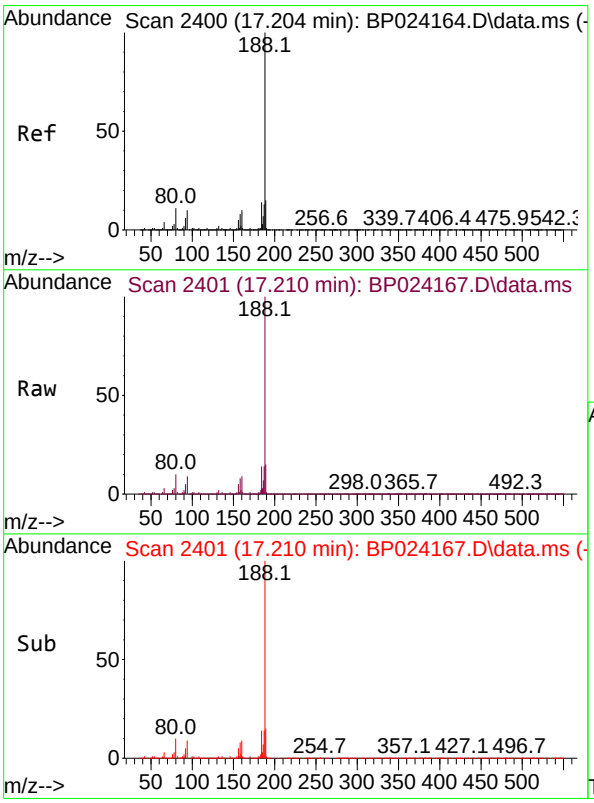

#63
Azobenzene
Concen: 83.196 ng
RT: 15.763 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion: 77 Resp: 4851665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.5 | 7.7 | 47.7 |
| 105 | 22.7 | 2.3 | 42.3 |
| 51 | 23.3 | 3.2 | 43.2 |

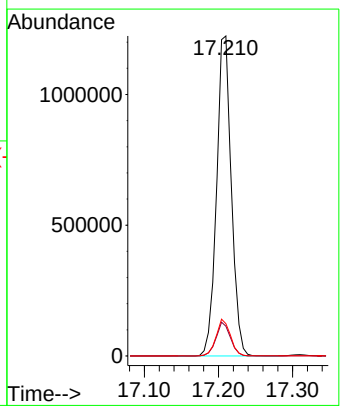


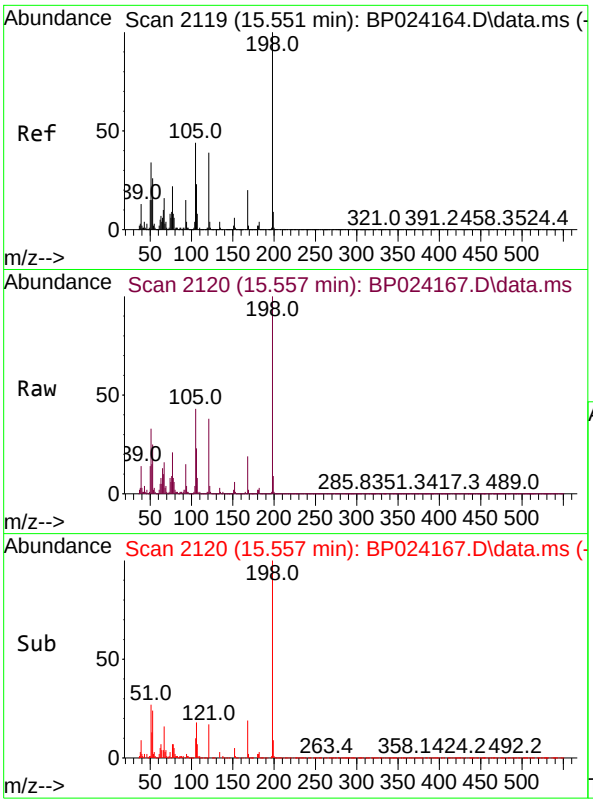




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 2401
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:188 Resp: 1690241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.3 | 8.1 | 12.1 |
| 80 | 10.1 | 8.9 | 13.3 |



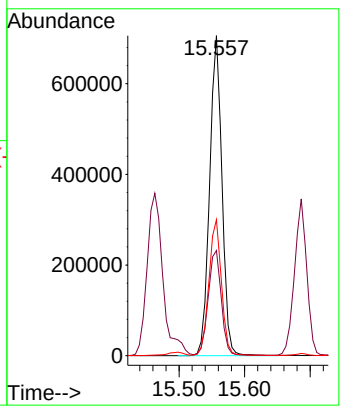


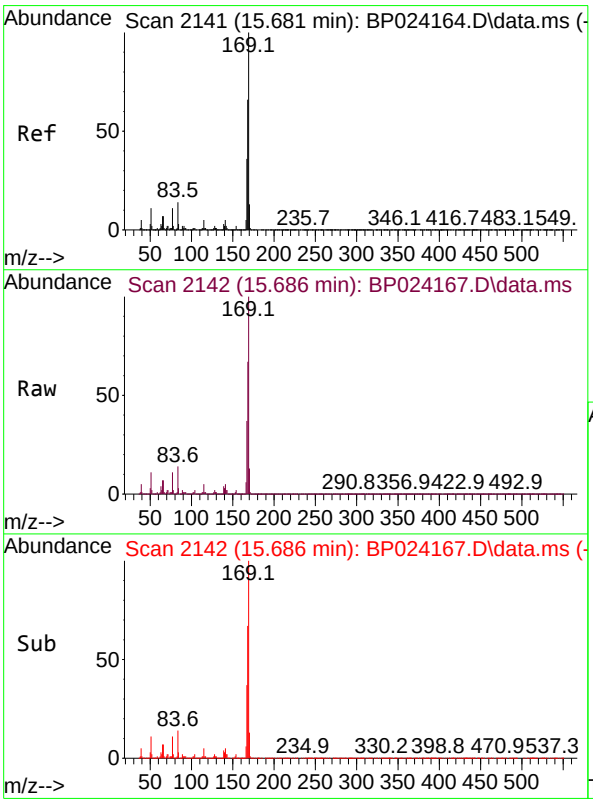

#65
4,6-Dinitro-2-methylphenol
Concen: 94.517 ng
RT: 15.557 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:198 Resp: 924643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 32.8 | 14.7 | 54.7 |
| 105 | 42.5 | 23.8 | 63.8 |

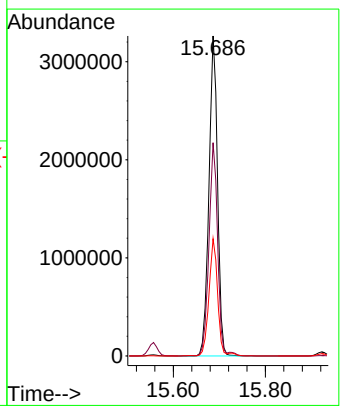


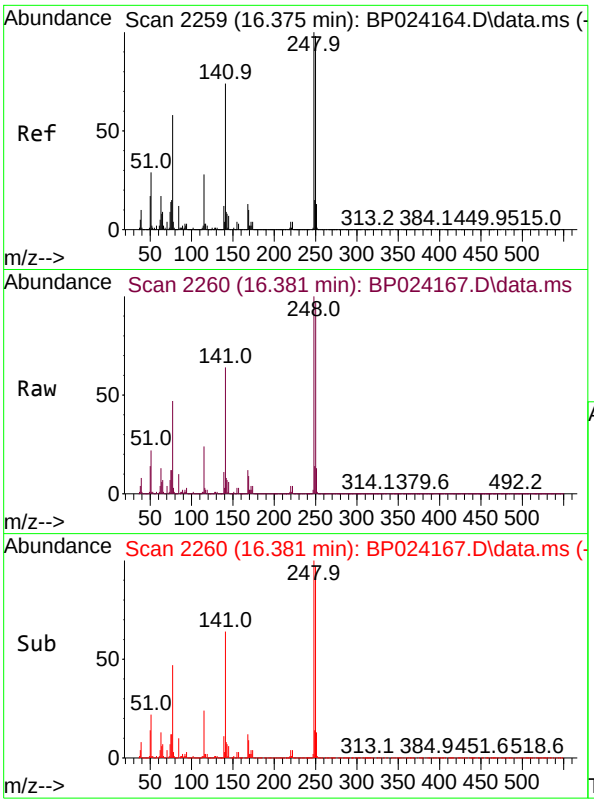




#66
n-Nitrosodiphenylamine
Concen: 80.285 ng
RT: 15.686 min Scan# 2142
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:169 Resp: 4231796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.6 | 52.9 | 79.3 |
| 167 | 36.7 | 28.8 | 43.2 |



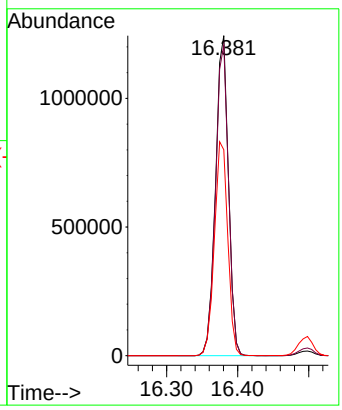


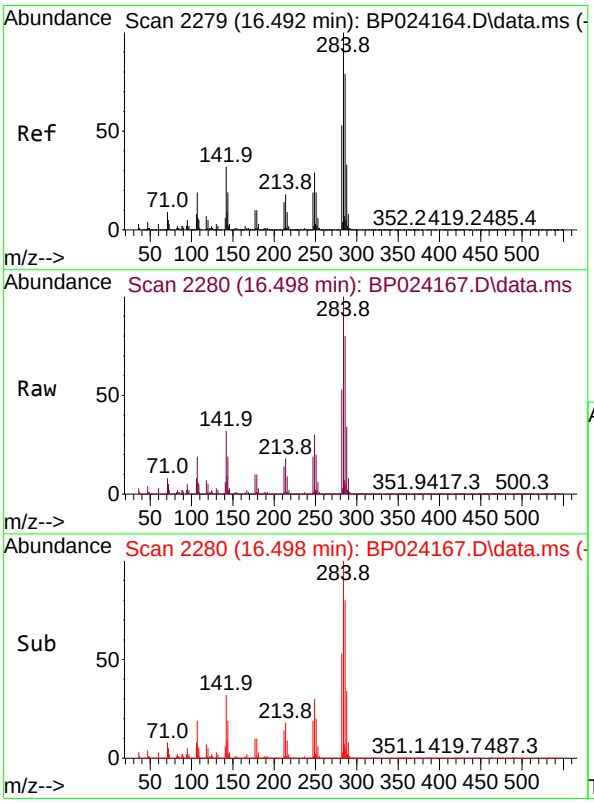

#67
4-Bromophenyl-phenylether
Concen: 82.455 ng
RT: 16.381 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:248 Resp: 1565037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.1 | 78.4 | 117.6 |
| 141 | 64.3 | 59.4 | 89.0 |

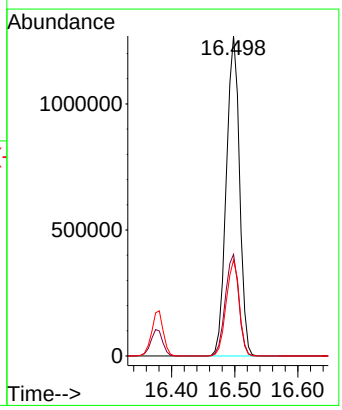


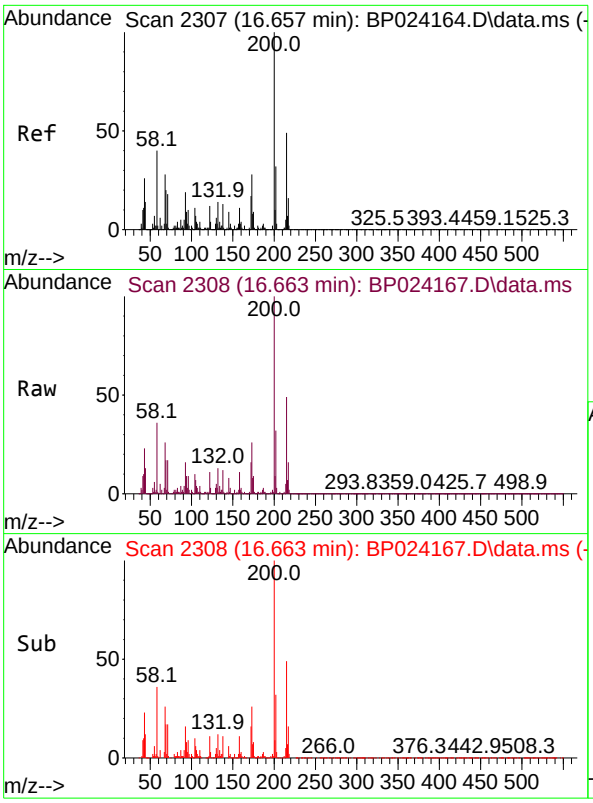




#68
Hexachlorobenzene
Concen: 82.437 ng
RT: 16.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:284 Resp: 1841149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.7 | 25.4 | 38.2 |
| 249 | 30.0 | 23.5 | 35.3 |



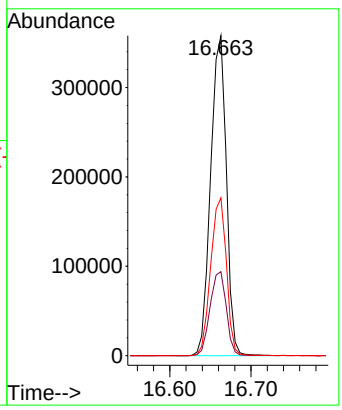


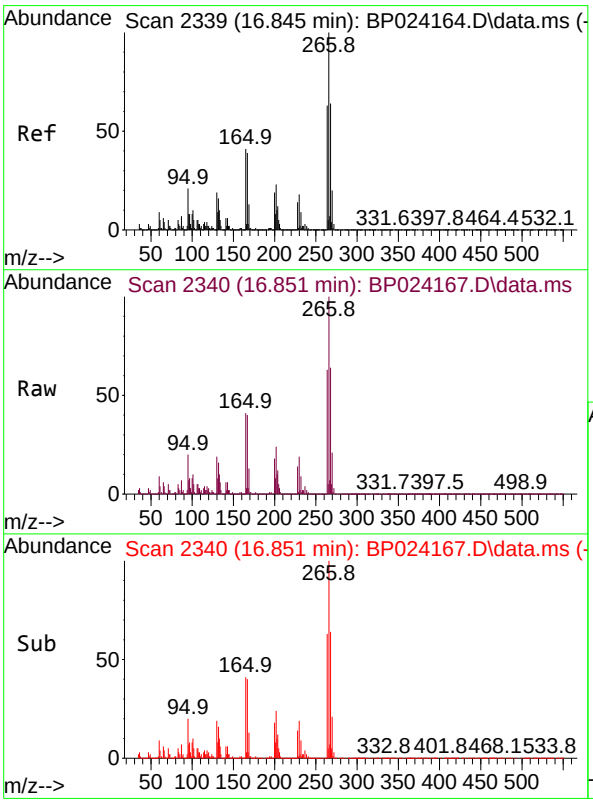

#69
Atrazine
Concen: 35.553 ng
RT: 16.663 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:200 Resp: 480919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.2 | 7.6 | 47.6 |
| 215 | 49.4 | 29.0 | 69.0 |

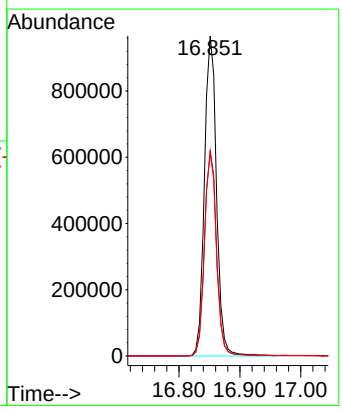


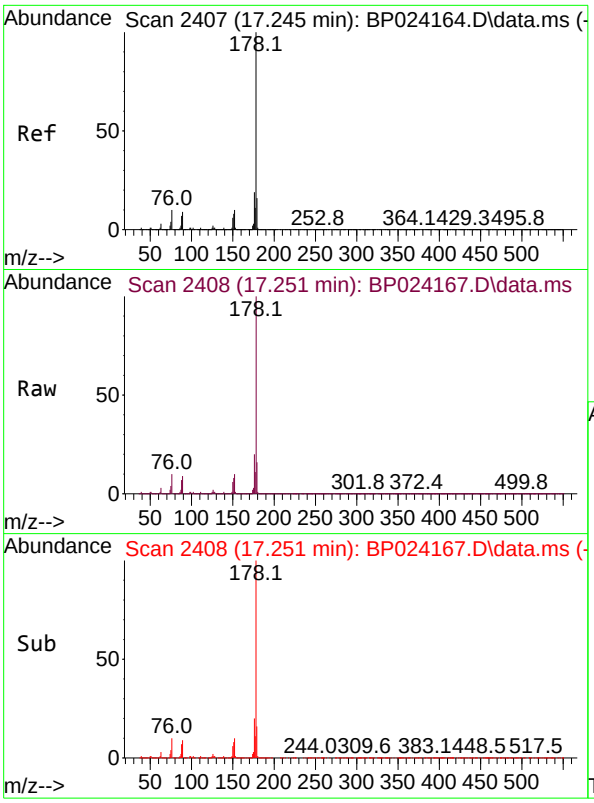




#70
Pentachlorophenol
Concen: 92.003 ng
RT: 16.851 min Scan# 2340
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:266 Resp: 1334567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.1 | 51.3 | 76.9 |
| 264 | 63.4 | 50.6 | 76.0 |



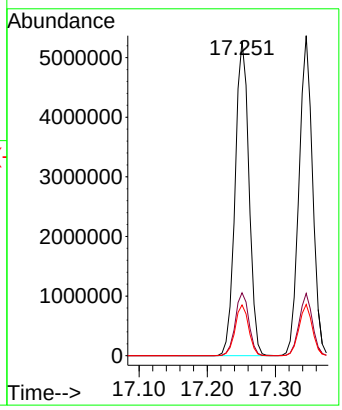


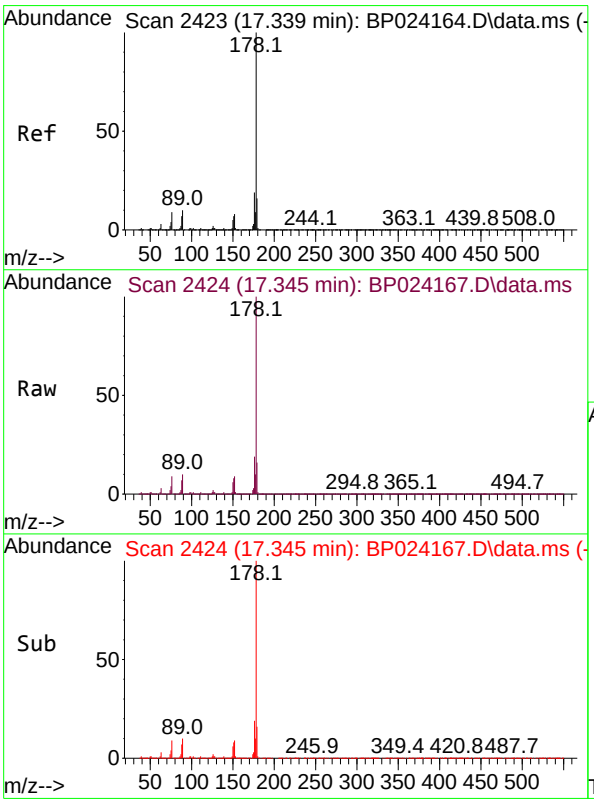

#71
Phenanthrene
Concen: 78.188 ng
RT: 17.251 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:178 Resp: 7450840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.0 | 15.6 | 23.4 |
| 179 | 16.1 | 12.5 | 18.7 |

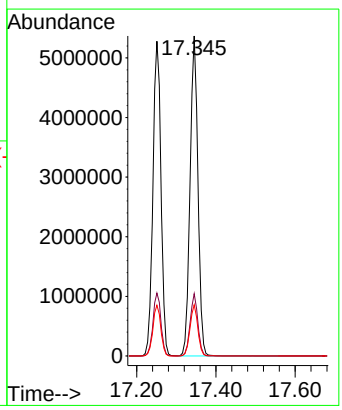


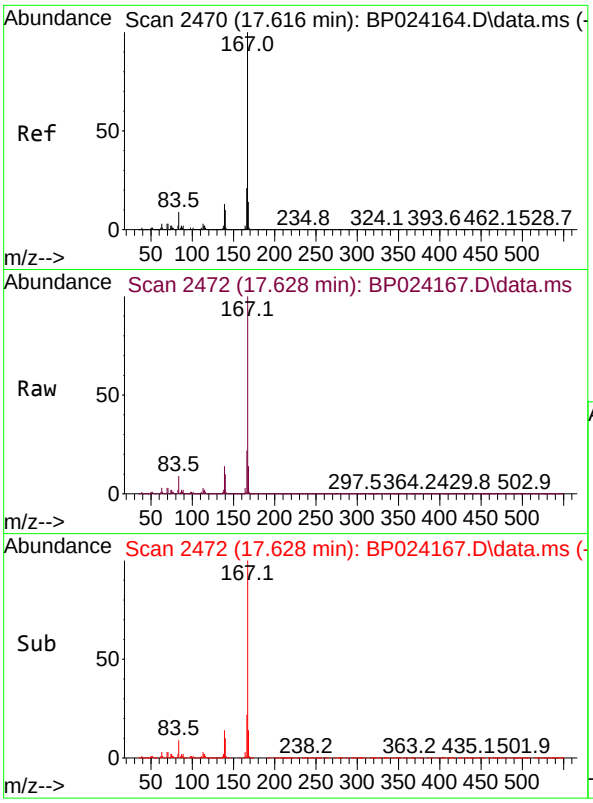




#72
Anthracene
Concen: 81.264 ng
RT: 17.345 min Scan# 2424
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:178 Resp: 7420971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 15.2 | 22.8 |
| 179 | 16.0 | 12.6 | 18.8 |



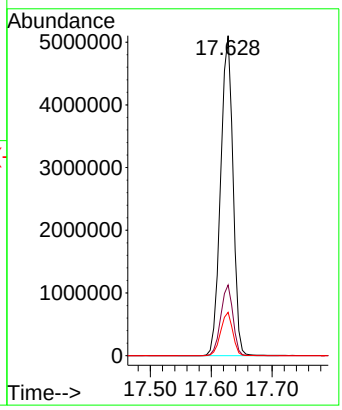


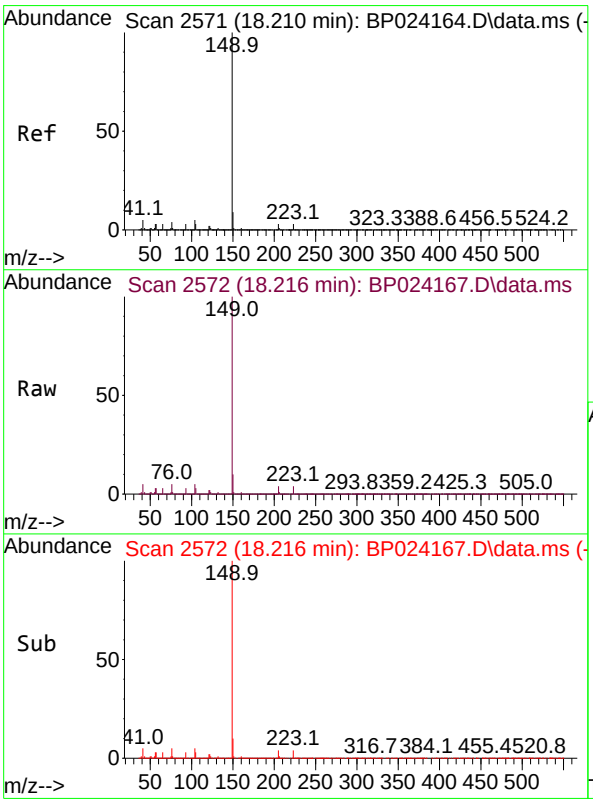

#73
Carbazole
Concen: 82.862 ng
RT: 17.628 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:167 Resp: 7209600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.1 | 17.1 | 25.7 |
| 139 | 13.6 | 10.2 | 15.4 |

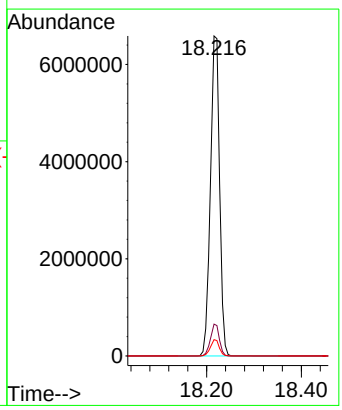


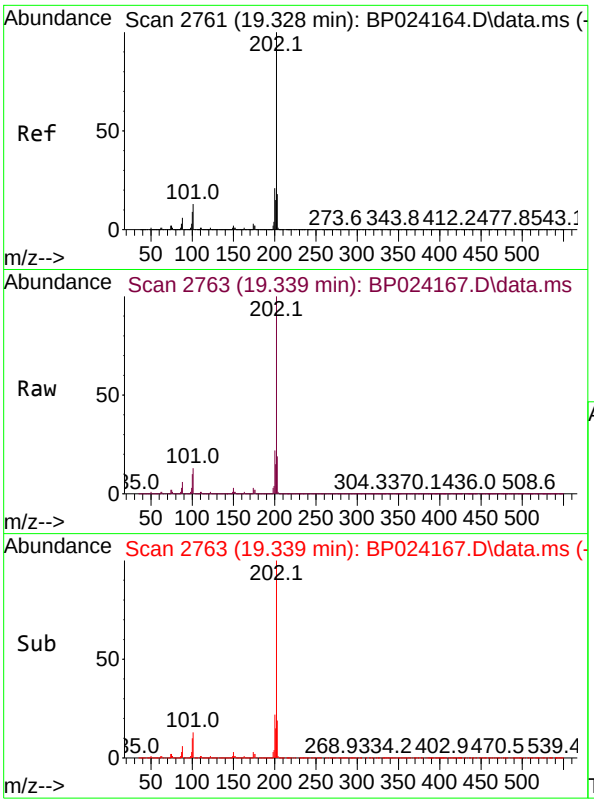




#74
Di-n-butylphthalate
Concen: 86.868 ng
RT: 18.216 min Scan# 2572
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:149 Resp: 8819030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 10.0 | 7.6 | 11.4 |
| 104 | 5.1 | 3.9 | 5.9 |



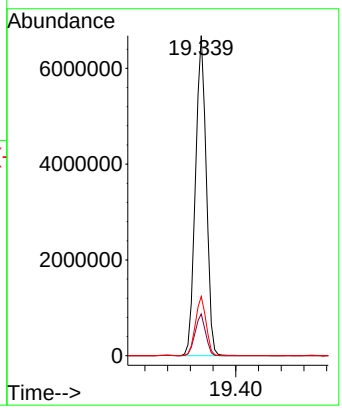


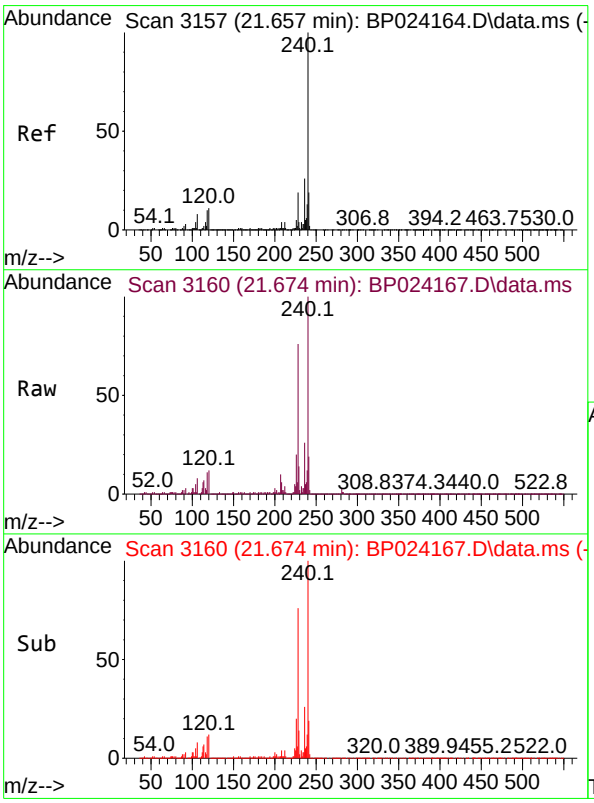

#75
Fluoranthene
Concen: 82.280 ng
RT: 19.339 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:202 Resp: 8868502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.0 | 0.0 | 32.5 |
| 203 | 18.5 | 0.0 | 37.9 |

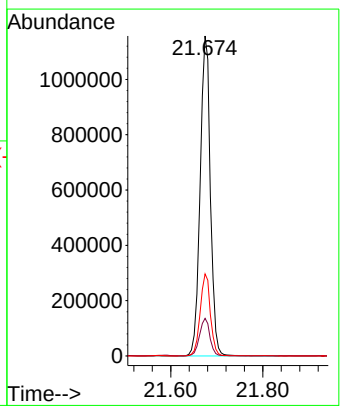


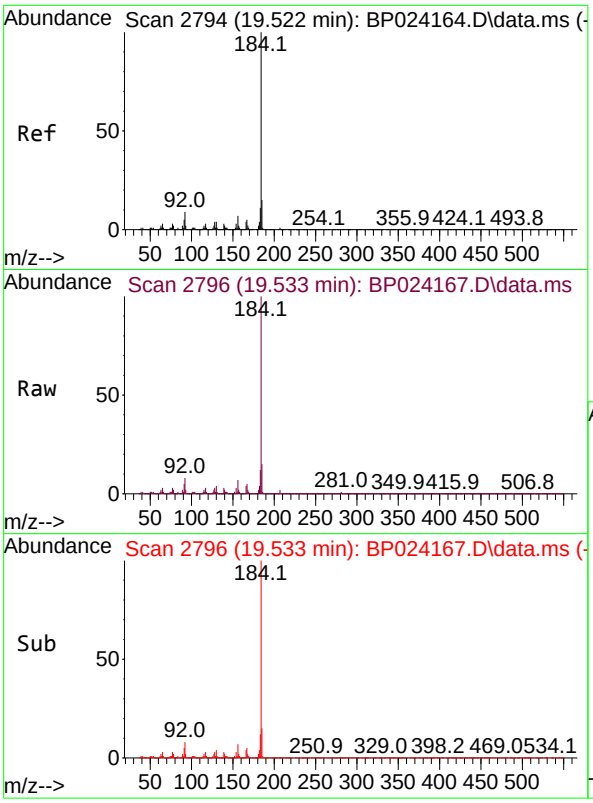




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.674 min Scan# 3160
Delta R.T. 0.017 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:240 Resp: 1785678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.7 | 9.2 | 13.8 |
| 236 | 25.6 | 20.4 | 30.6 |



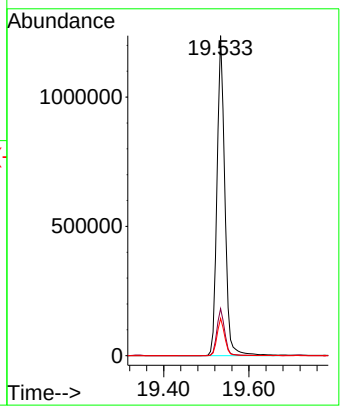


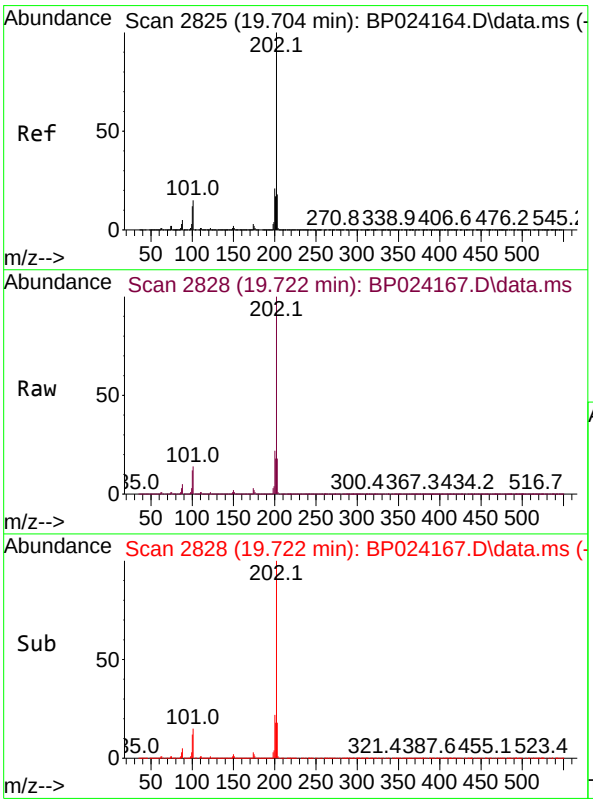

#77
Benzidine
Concen: 72.794 ng
RT: 19.533 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:184 Resp: 1583965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.7 | 11.8 | 17.6 |
| 183 | 11.7 | 9.1 | 13.7 |

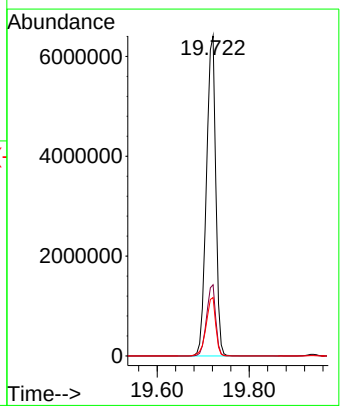


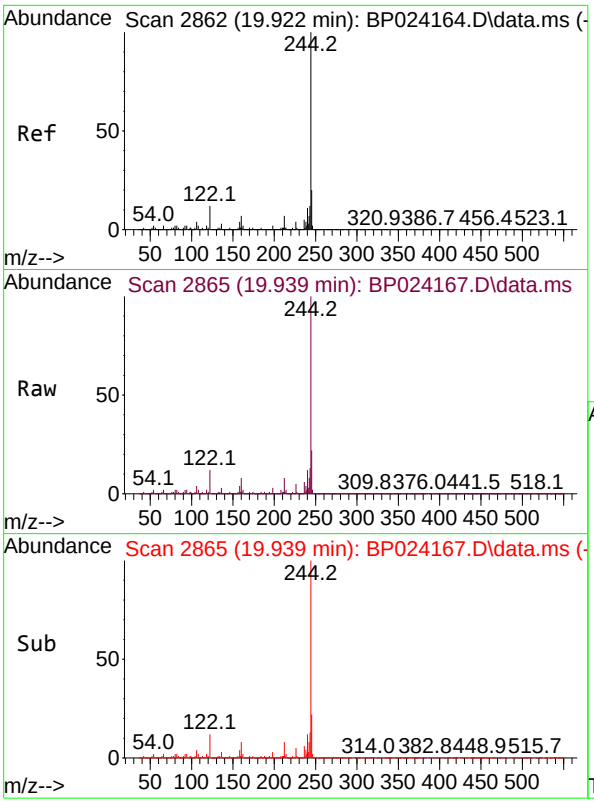




#78
Pyrene
Concen: 80.230 ng
RT: 19.722 min Scan# 2828
Delta R.T. 0.017 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:202 Resp: 9100075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.3 | 17.1 | 25.7 |
| 203 | 18.3 | 14.2 | 21.4 |



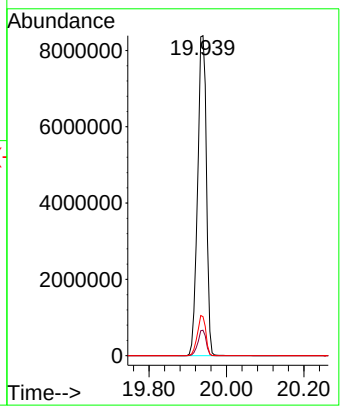


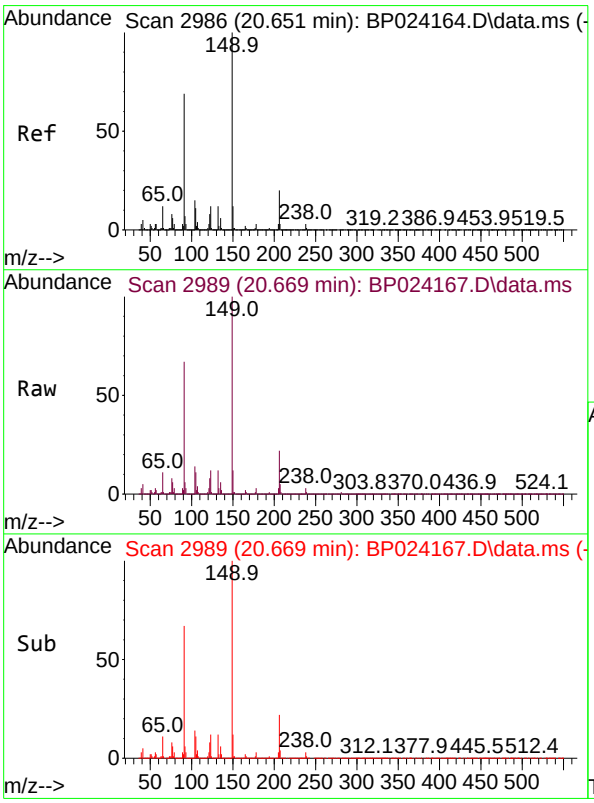

#79
Terphenyl-d14
Concen: 146.201 ng
RT: 19.939 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:244 Resp:13193577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.0 | 5.7 | 8.5 |
| 122 | 12.2 | 9.6 | 14.4 |

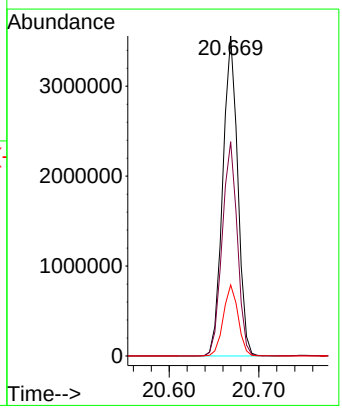


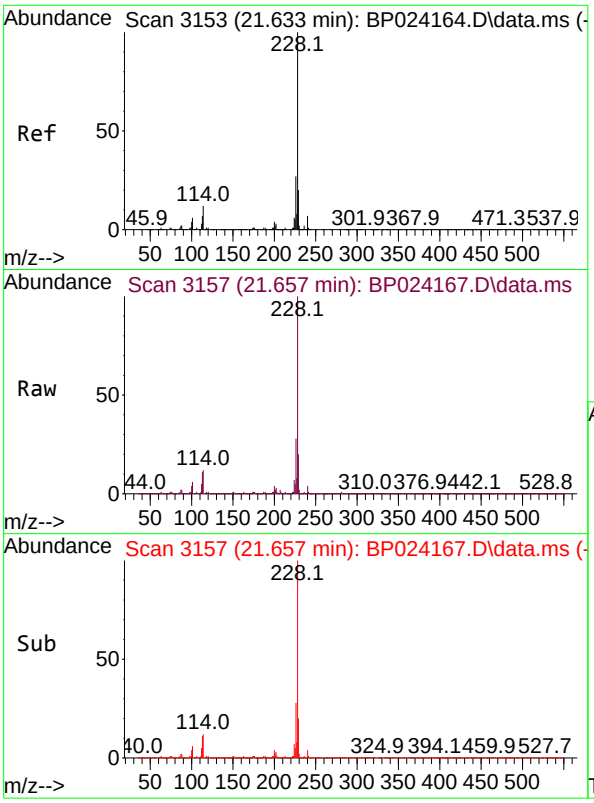




#80
Butylbenzylphthalate
Concen: 94.735 ng
RT: 20.669 min Scan# 2989
Delta R.T. 0.017 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:149 Resp: 4117551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 66.9 | 55.3 | 82.9 |
| 206 | 22.2 | 16.1 | 24.1 |



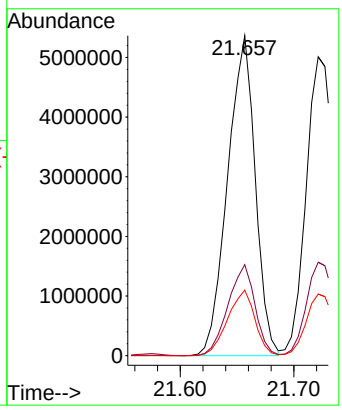


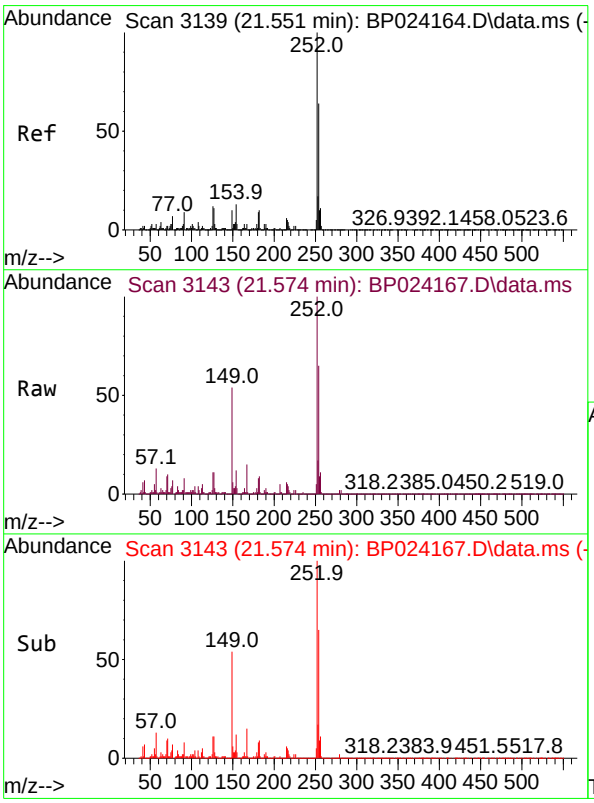

#81
Benzo(a)anthracene
Concen: 81.050 ng
RT: 21.657 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:228 Resp: 9075269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.4 | 21.8 | 32.8 |
| 229 | 20.5 | 16.0 | 24.0 |

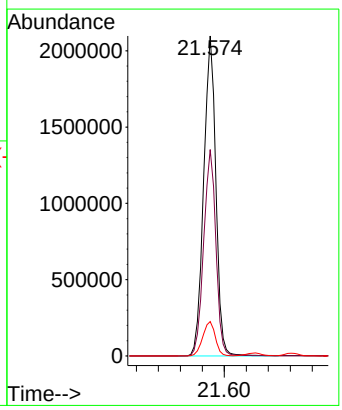


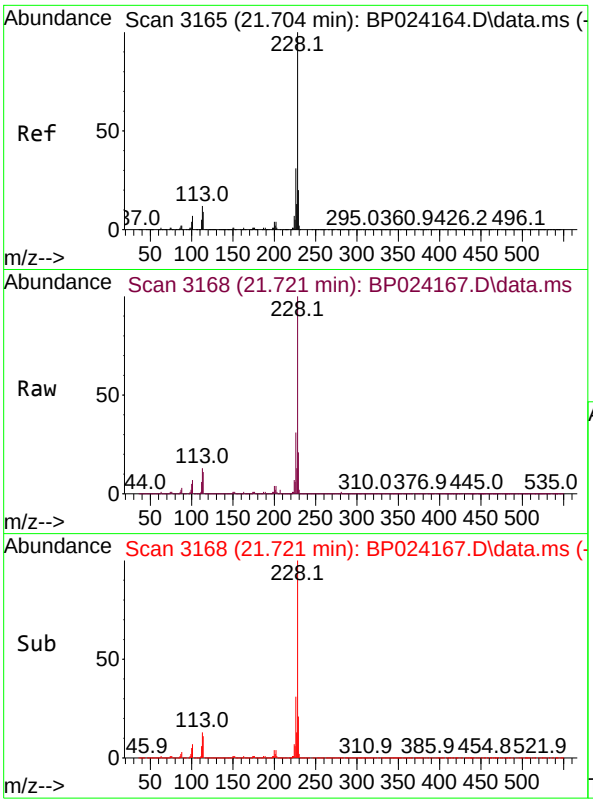




#82
3,3'-Dichlorobenzidine
Concen: 91.925 ng
RT: 21.574 min Scan# 3143
Delta R.T. 0.023 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:252 Resp: 3216378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.5 | 51.4 | 77.2 |
| 126 | 10.8 | 9.3 | 13.9 |



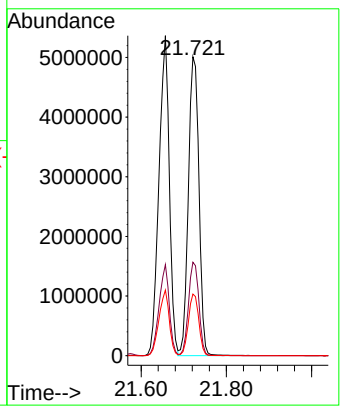


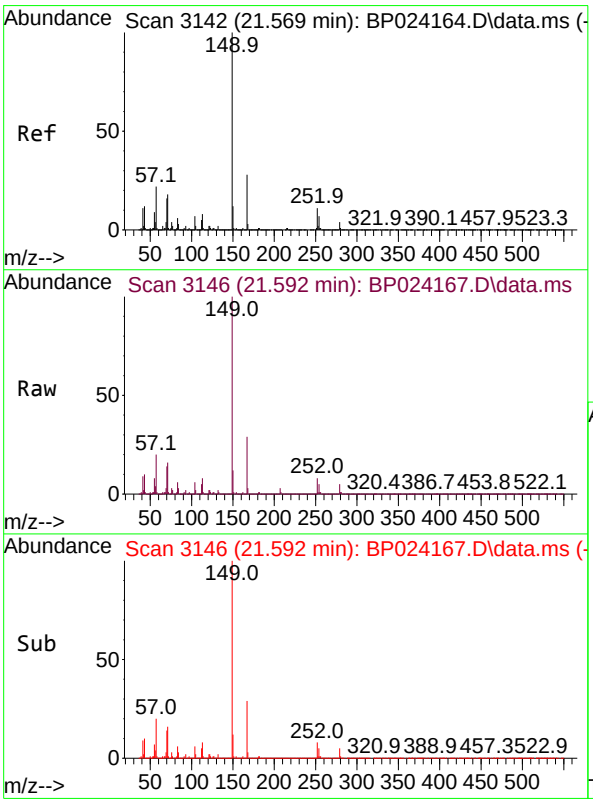

#83
Chrysene
Concen: 79.981 ng
RT: 21.721 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:228 Resp: 8635685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.2 | 24.5 | 36.7 |
| 229 | 20.6 | 16.2 | 24.2 |

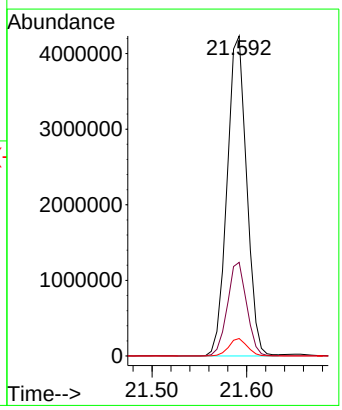


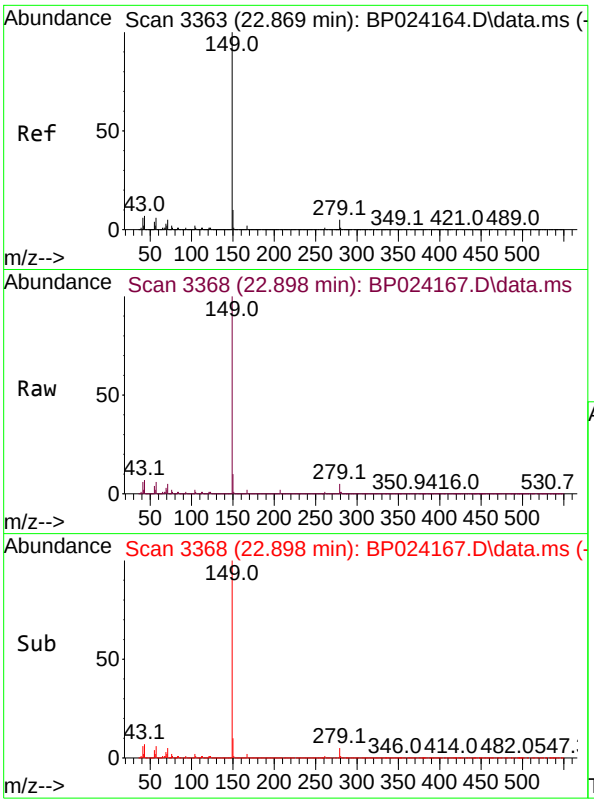




#84
Bis(2-ethylhexyl)phthalate
Concen: 92.215 ng
RT: 21.592 min Scan# 3146
Delta R.T. 0.023 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:149 Resp: 6077881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 29.2 | 22.5 | 33.7 |
| 279 | 5.5 | 3.6 | 5.4# |



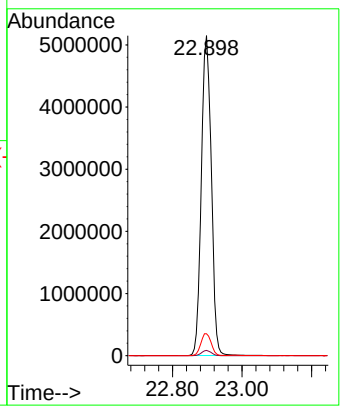


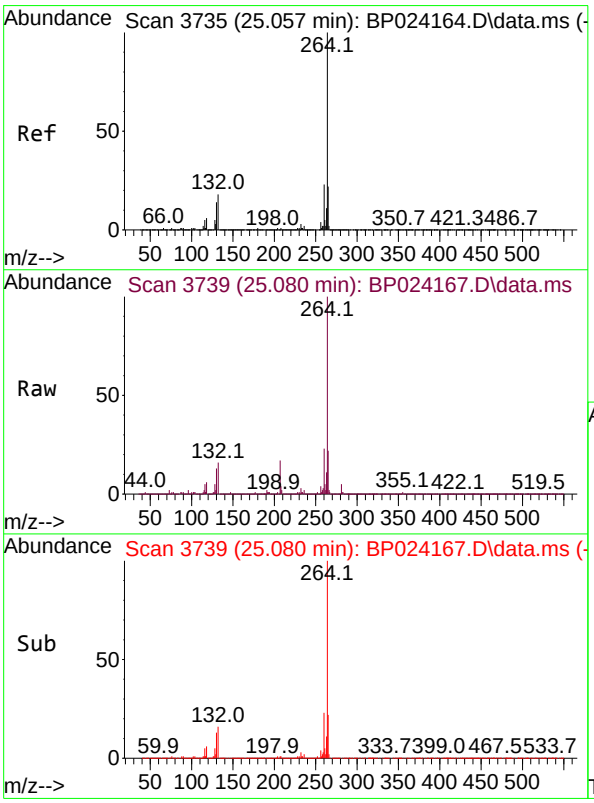

#85
Di-n-octyl phthalate
Concen: 97.189 ng
RT: 22.898 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:149 Resp:10239008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 7.1 | 5.8 | 8.8 |

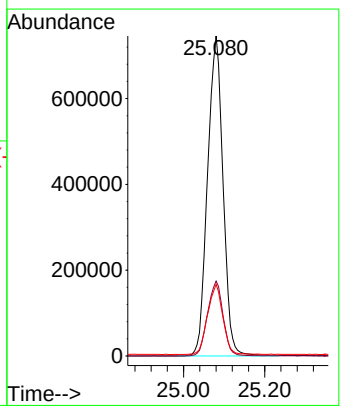


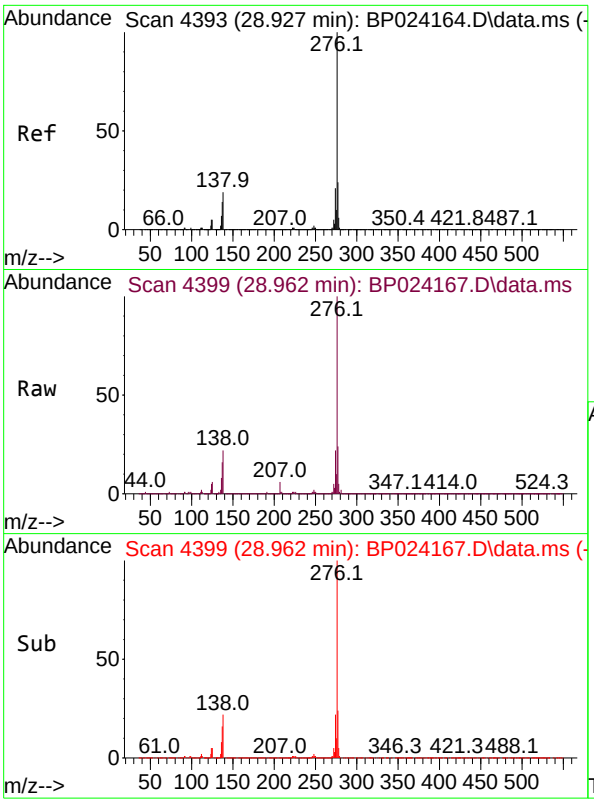




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.080 min Scan# 3739
Delta R.T. 0.023 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:264 Resp: 1974592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 18.5 | 27.7 |
| 265 | 22.3 | 17.7 | 26.5 |



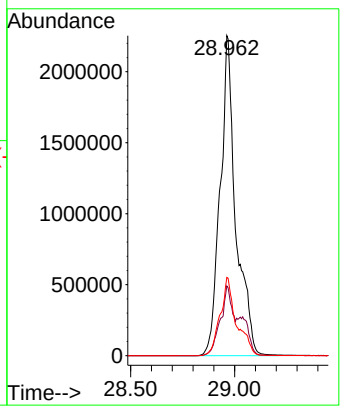


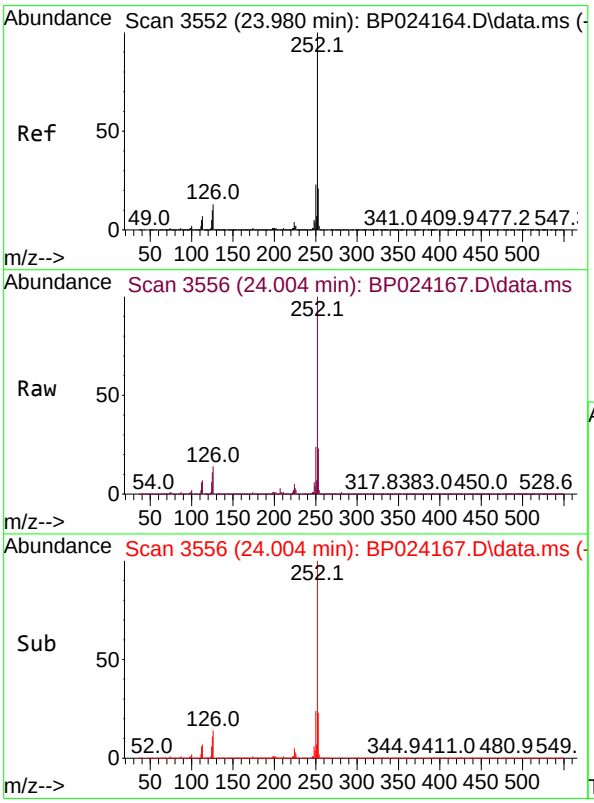

#87
Indeno(1,2,3-cd)pyrene
Concen: 84.301 ng
RT: 28.962 min Scan# 4
Delta R.T. 0.035 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:276 Resp:11842118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.9 | 13.7 | 20.5 |
| 277 | 25.4 | 20.2 | 30.2 |

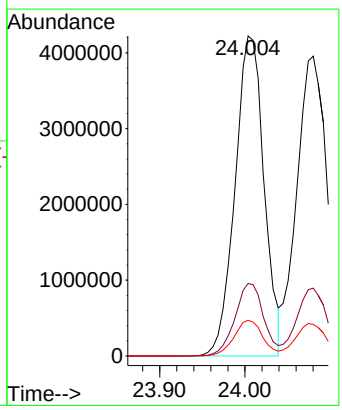


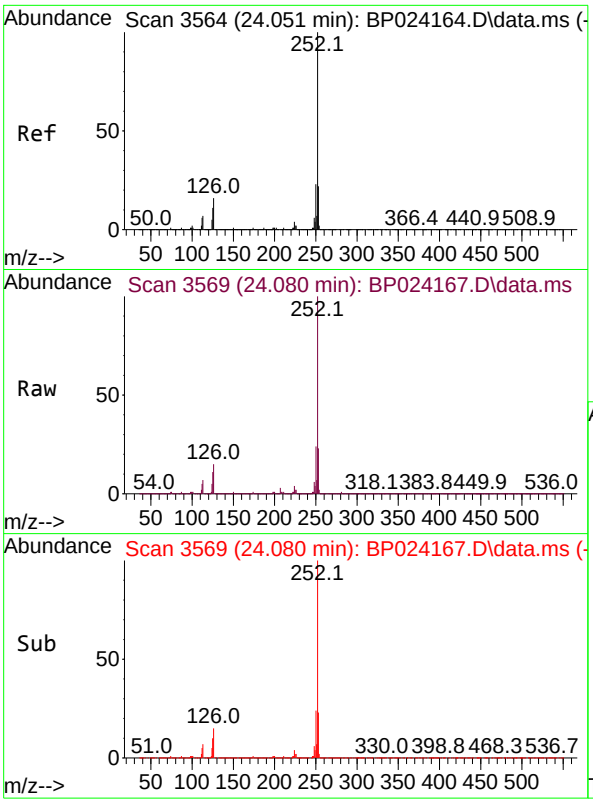




#88
Benzo(b)fluoranthene
Concen: 79.623 ng
RT: 24.004 min Scan# 3556
Delta R.T. 0.023 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:252 Resp: 9984031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 17.2 | 25.8 |
| 125 | 11.1 | 8.2 | 12.4 |



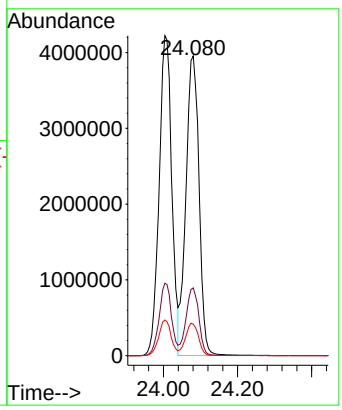


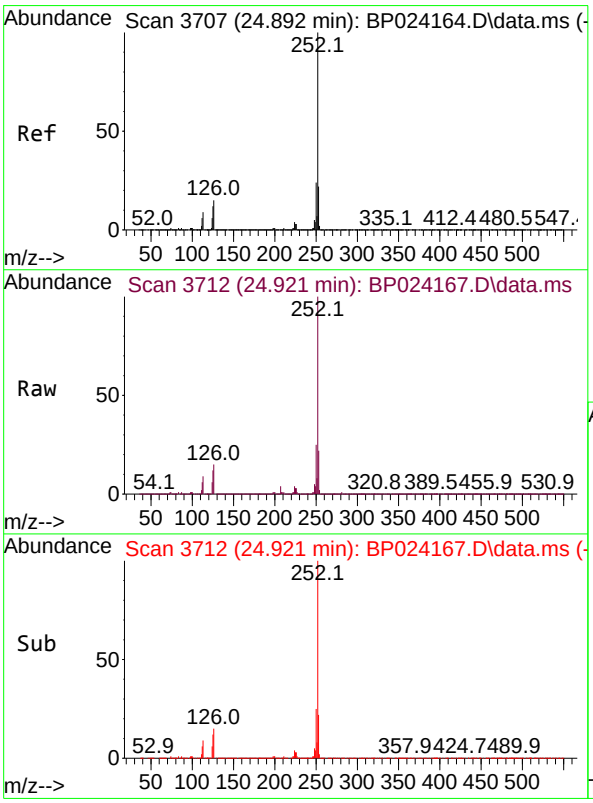

#89
Benzo(k)fluoranthene
Concen: 79.712 ng
RT: 24.080 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:252 Resp: 9728938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.6 | 17.7 | 26.5 |
| 125 | 10.5 | 9.1 | 13.7 |

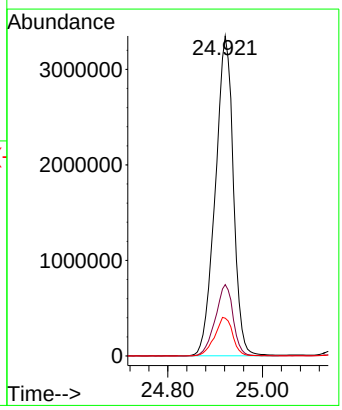


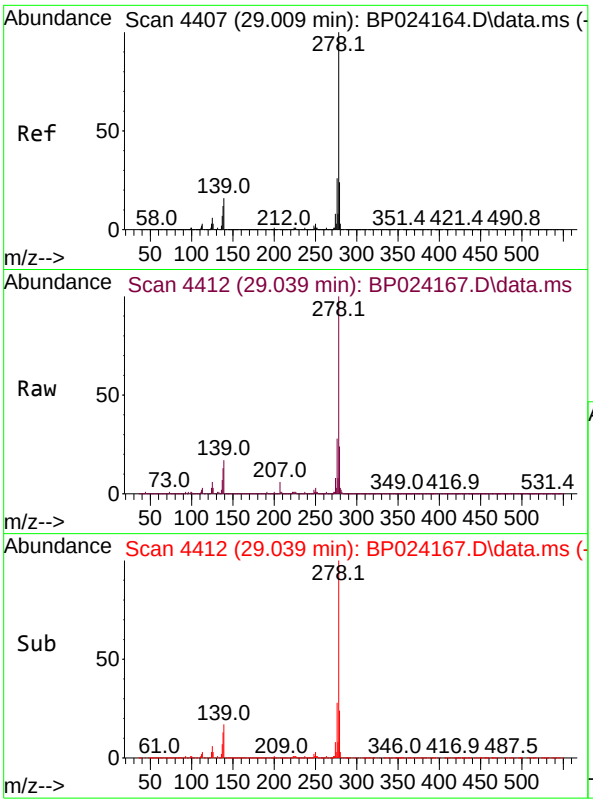




#90
Benzo(a)pyrene
Concen: 83.259 ng
RT: 24.921 min Scan# 3712
Delta R.T. 0.029 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:252 Resp: 8860063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.4 | 26.0 |
| 125 | 11.8 | 9.6 | 14.4 |



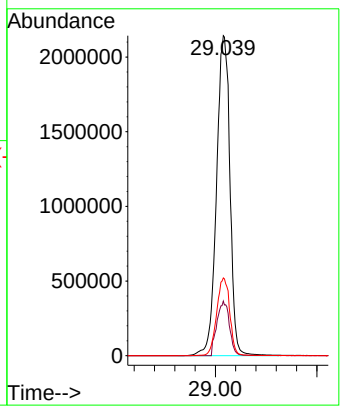


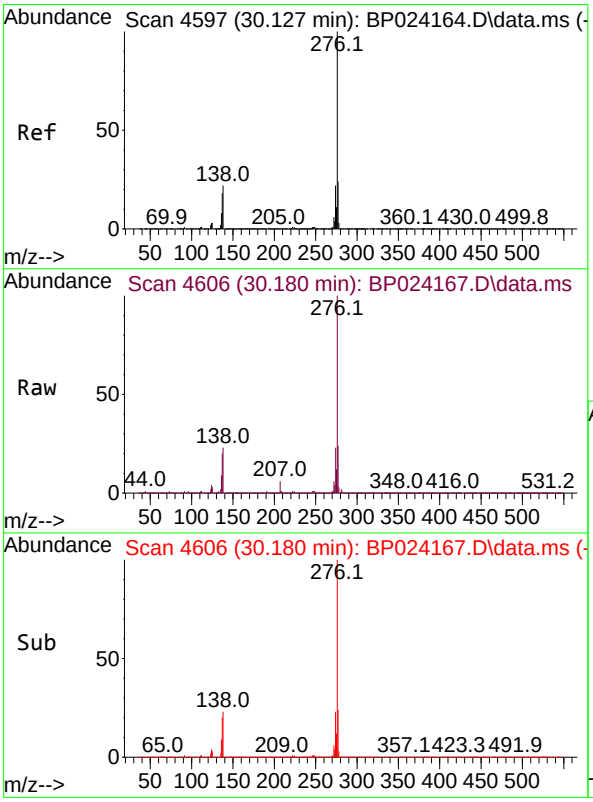

#91
Dibenzo(a,h)anthracene
Concen: 83.210 ng
RT: 29.039 min Scan# 4
Delta R.T. 0.029 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDICC080

Tgt Ion:278 Resp: 9828241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.1 | 13.0 | 19.4 |
| 279 | 24.3 | 18.8 | 28.2 |

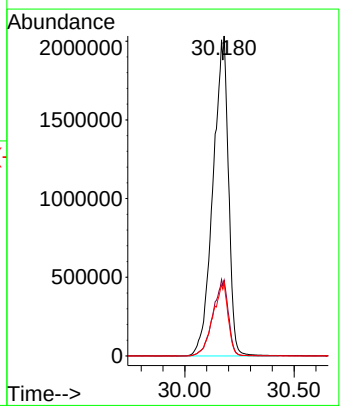



#92
Benzo(g,h,i)perylene
Concen: 82.940 ng
RT: 30.180 min Scan# 4606
Delta R.T. 0.053 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:276 Resp: 9940803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 19.2 | 28.8 |
| 138 | 23.0 | 17.4 | 26.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024168.D
Acq On : 12 Mar 2025 21:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Quant Time: Mar 13 04:44:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:38:17 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.769 | 152 | 399821 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.552 | 136 | 1631941 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.404 | 164 | 966525 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.204 | 188 | 1810172 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.669 | 240 | 1903114 | 20.000 | ng | 0.01 |
| 86) Perylene-d12 | 25.069 | 264 | 2127367 | 20.000 | ng | 0.01 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.381 | 112 | 1959434 | 78.230 | ng | 0.00 |
| 7) Phenol-d6 | 6.952 | 99 | 2636154 | 78.704 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.922 | 82 | 2274955 | 78.652 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.922 | 330 | 995466 | 81.766 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.022 | 172 | 5105223 | 77.885 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.933 | 244 | 7241807 | 78.549 | ng | 0.01 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.317 | 88 | 376087 | 37.880 | ng | 99 |
| 3) Pyridine | 3.717 | 79 | 1050879 | 38.718 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.623 | 42 | 350385 | 38.646 | ng | 98 |
| 6) Aniline | 7.111 | 93 | 1202738 | 39.413 | ng | 100 |
| 8) 2-Chlorophenol | 7.346 | 128 | 1059150 | 39.149 | ng | 100 |
| 9) Benzaldehyde | 6.922 | 77 | 652848 | 40.389 | ng | 99 |
| 10) Phenol | 6.981 | 94 | 1314283 | 38.869 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 7.199 | 93 | 1018670 | 38.203 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.664 | 146 | 1118950 | 38.353 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 7.805 | 146 | 1130770 | 37.960 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.122 | 146 | 1089564 | 38.116 | ng | 100 |
| 15) Benzyl Alcohol | 8.011 | 79 | 848187 | 39.999 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.299 | 45 | 1043834 | 38.356 | ng | 99 |
| 17) 2-Methylphenol | 8.216 | 107 | 840413 | 39.636 | ng | 100 |
| 18) Hexachloroethane | 8.846 | 117 | 407804 | 38.587 | ng | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.575 | 70 | 771380 | 39.697 | ng | 99 |
| 20) 3+4-Methylphenols | 8.540 | 107 | 1154401 | 39.629 | ng | 100 |
| 22) Acetophenone | 8.587 | 105 | 1593044 | 38.611 | ng | 100 |
| 24) Nitrobenzene | 8.963 | 77 | 1114096 | 39.045 | ng | 99 |
| 25) Isophorone | 9.487 | 82 | 1967247 | 39.677 | ng | 99 |
| 26) 2-Nitrophenol | 9.669 | 139 | 570971 | 41.892 | ng | 98 |
| 27) 2,4-Dimethylphenol | 9.734 | 122 | 697163 | 39.779 | ng | 98 |
| 28) bis(2-Chloroethoxy)met... | 9.963 | 93 | 1346656 | 38.608 | ng | 100 |
| 29) 2,4-Dichlorophenol | 10.205 | 162 | 961583 | 40.558 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.416 | 180 | 1002302 | 38.264 | ng | 99 |
| 31) Naphthalene | 10.605 | 128 | 3306535 | 38.223 | ng | 100 |
| 32) Benzoic acid | 9.881 | 122 | 745543 | 43.618 | ng | 98 |
| 33) 4-Chloroaniline | 10.710 | 127 | 1222820 | 39.499 | ng | 100 |
| 34) Hexachlorobutadiene | 10.887 | 225 | 585728 | 38.854 | ng | 98 |
| 35) Caprolactam | 11.499 | 113 | 317484 | 40.859 | ng | 97 |
| 36) 4-Chloro-3-methylphenol | 11.840 | 107 | 1015423 | 39.702 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.210 | 142 | 2265320 | 38.762 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.434 | 142 | 2209719 | 38.874 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.581 | 216 | 1089303 | 38.988 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 12.569 | 237 | 413181 | 41.026 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 12.828 | 196 | 727105 | 40.950 | ng | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024168.D
Acq On : 12 Mar 2025 21:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Quant Time: Mar 13 04:44:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:38:17 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.904 | 196 | 798076 | 40.985 | ng | 98 |
| 46) 1,1'-Biphenyl | 13.228 | 154 | 2821370 | 38.846 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.269 | 162 | 2130879 | 39.006 | ng | 100 |
| 48) 2-Nitroaniline | 13.475 | 65 | 574806 | 41.137 | ng | 99 |
| 49) Acenaphthylene | 14.122 | 152 | 3245488 | 39.262 | ng | 100 |
| 50) Dimethylphthalate | 13.863 | 163 | 2606961 | 38.548 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 13.975 | 165 | 563651 | 39.611 | ng | 98 |
| 52) Acenaphthene | 14.475 | 154 | 2053476 | 38.881 | ng | 98 |
| 53) 3-Nitroaniline | 14.310 | 138 | 625803 | 40.719 | ng | 99 |
| 54) 2,4-Dinitrophenol | 14.516 | 184 | 322185 | 42.791 | ng | 98 |
| 55) Dibenzofuran | 14.810 | 168 | 3273448 | 38.264 | ng | 100 |
| 56) 4-Nitrophenol | 14.634 | 139 | 543119 | 42.293 | ng | 98 |
| 57) 2,4-Dinitrotoluene | 14.769 | 165 | 772629 | 41.106 | ng | 99 |
| 58) Fluorene | 15.469 | 166 | 2603595 | 39.061 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.040 | 232 | 685479 | 39.844 | ng | 100 |
| 60) Diethylphthalate | 15.240 | 149 | 2595505 | 38.539 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.469 | 204 | 1261005 | 38.572 | ng | 99 |
| 62) 4-Nitroaniline | 15.493 | 138 | 664956 | 41.253 | ng | 99 |
| 63) Azobenzene | 15.769 | 77 | 2497600 | 39.347 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.551 | 198 | 434596 | 40.442 | ng | 95 |
| 66) n-Nitrosodiphenylamine | 15.681 | 169 | 2156617 | 39.234 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.375 | 248 | 772937 | 38.892 | ng | 98 |
| 68) Hexachlorobenzene | 16.498 | 284 | 919105 | 39.073 | ng | 97 |
| 69) Atrazine | 16.657 | 200 | 481443 | 36.287 | ng | 99 |
| 70) Pentachlorophenol | 16.851 | 266 | 626146 | 41.161 | ng | 100 |
| 71) Phenanthrene | 17.251 | 178 | 3795212 | 38.379 | ng | 99 |
| 72) Anthracene | 17.351 | 178 | 3790779 | 39.358 | ng | 99 |
| 73) Carbazole | 17.628 | 167 | 3684202 | 39.665 | ng | 100 |
| 74) Di-n-butylphthalate | 18.222 | 149 | 4505984 | 40.866 | ng | 100 |
| 75) Fluoranthene | 19.345 | 202 | 4467370 | 39.006 | ng | 99 |
| 77) Benzidine | 19.534 | 184 | 827654 | 39.777 | ng | 99 |
| 78) Pyrene | 19.716 | 202 | 4681182 | 39.565 | ng | 100 |
| 80) Butylbenzylphthalate | 20.669 | 149 | 1991838 | 40.824 | ng | 98 |
| 81) Benzo(a)anthracene | 21.651 | 228 | 4652183 | 39.318 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.569 | 252 | 1655655 | 41.750 | ng | 99 |
| 83) Chrysene | 21.716 | 228 | 4393252 | 38.624 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.586 | 149 | 3060349 | 41.569 | ng | 99 |
| 85) Di-n-octyl phthalate | 22.886 | 149 | 5007462 | 42.452 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.957 | 276 | 5699470 | 38.387 | ng | 100 |
| 88) Benzo(b)fluoranthene | 23.992 | 252 | 4988392 | 38.891 | ng | 98 |
| 89) Benzo(k)fluoranthene | 24.069 | 252 | 4803010 | 38.280 | ng | 99 |
| 90) Benzo(a)pyrene | 24.916 | 252 | 4306060 | 38.607 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 29.027 | 278 | 4752357 | 38.474 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 30.127 | 276 | 2301898 | 18.332 | ng | 99 |

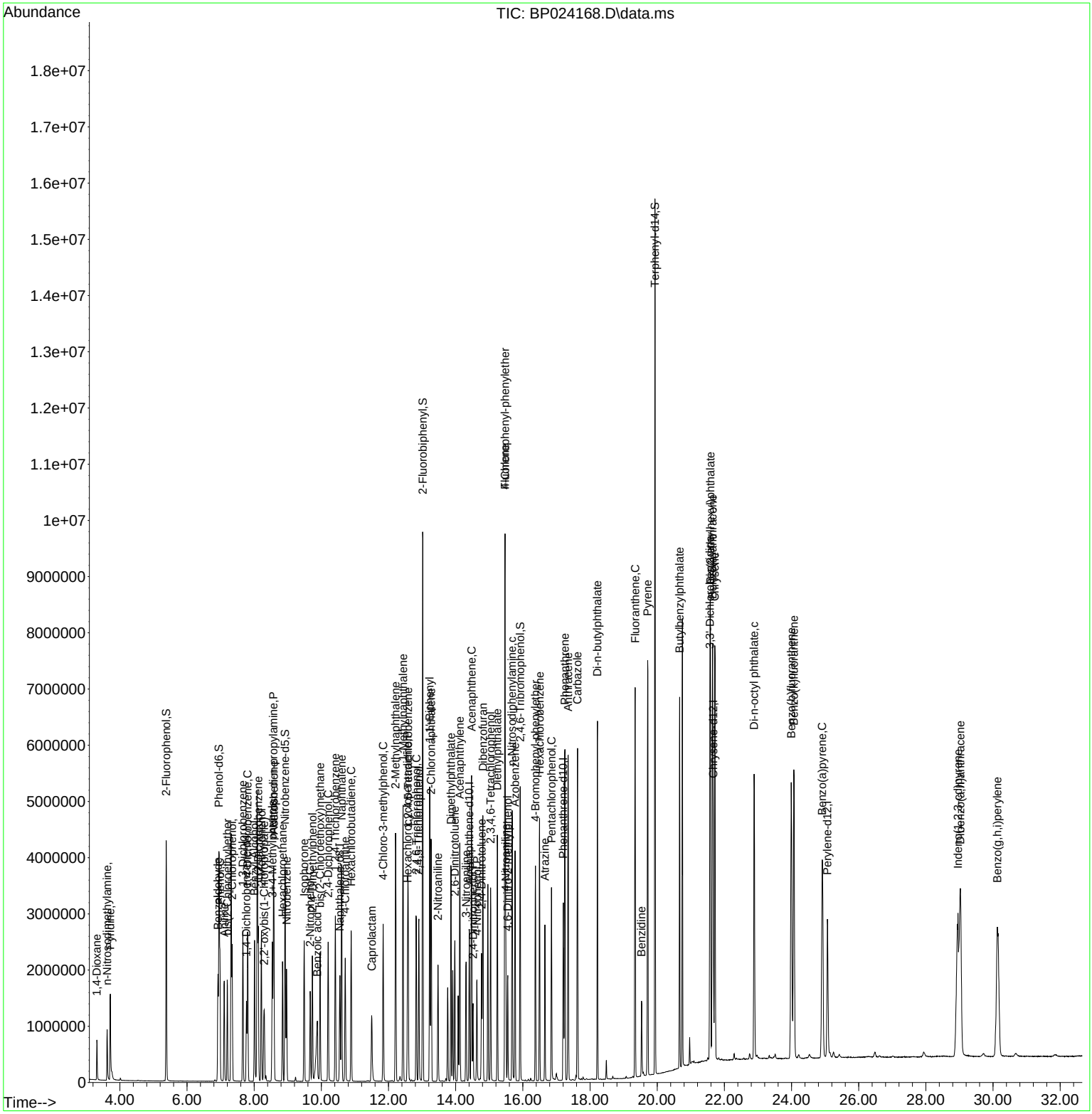
(#) = qualifier out of range (m) = manual integration (+) = signals summed

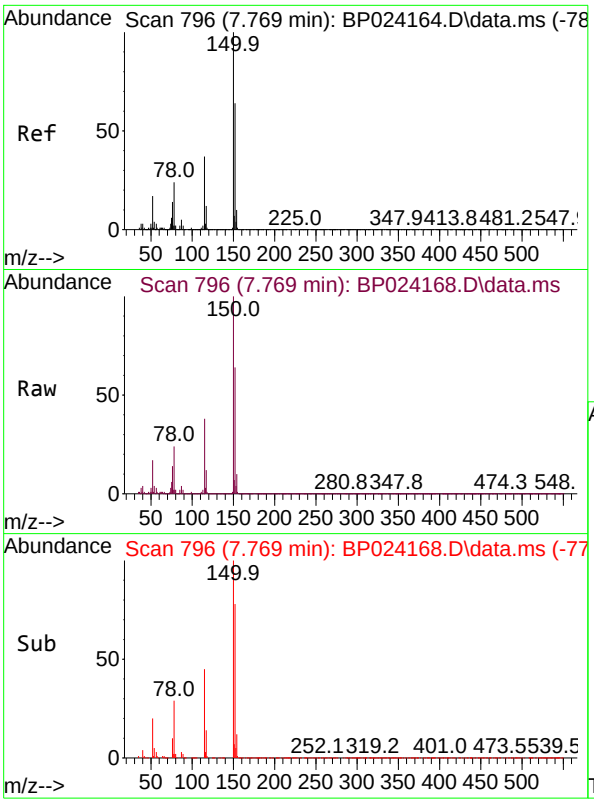
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024168.D
Acq On : 12 Mar 2025 21:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Quant Time: Mar 13 04:44:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:38:17 2025
Response via : Initial Calibration



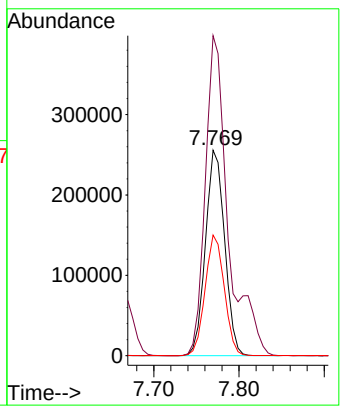


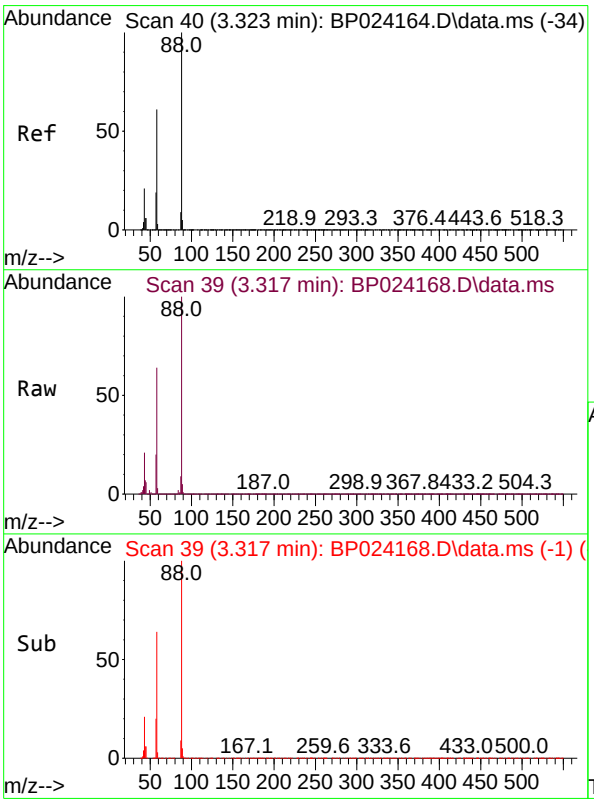

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:152 Resp: 399821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.8 | 125.5 | 188.3 |
| 115 | 58.8 | 46.3 | 69.5 |

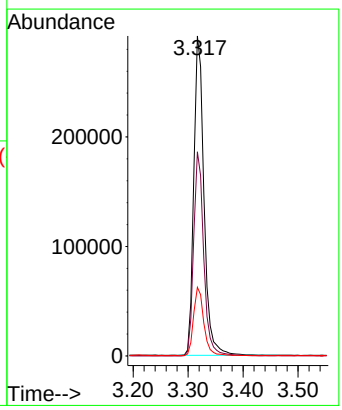


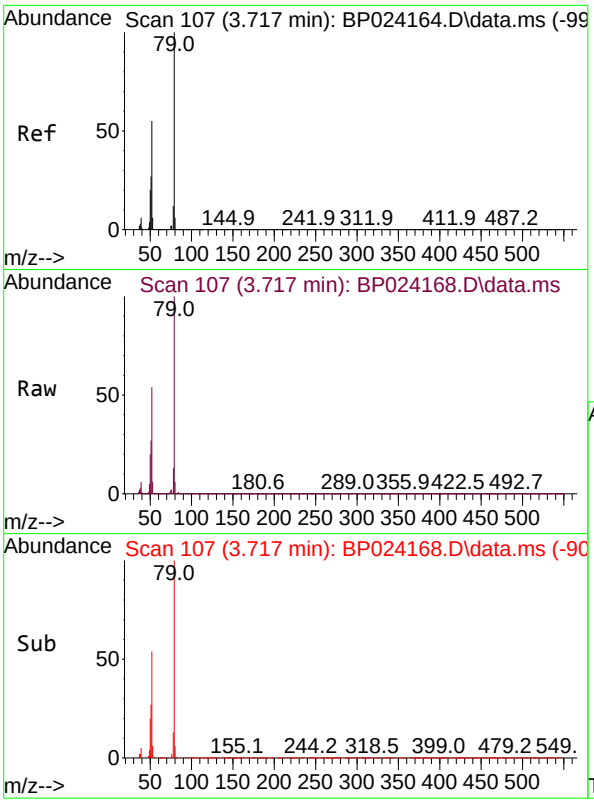




#2
1,4-Dioxane
Concen: 37.880 ng
RT: 3.317 min Scan# 39
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion: 88 Resp: 376087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 63.2 | 49.8 | 74.6 |
| 43 | 21.7 | 17.3 | 25.9 |



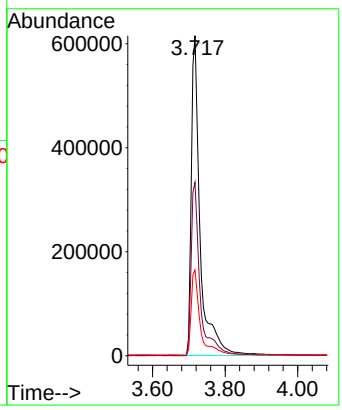


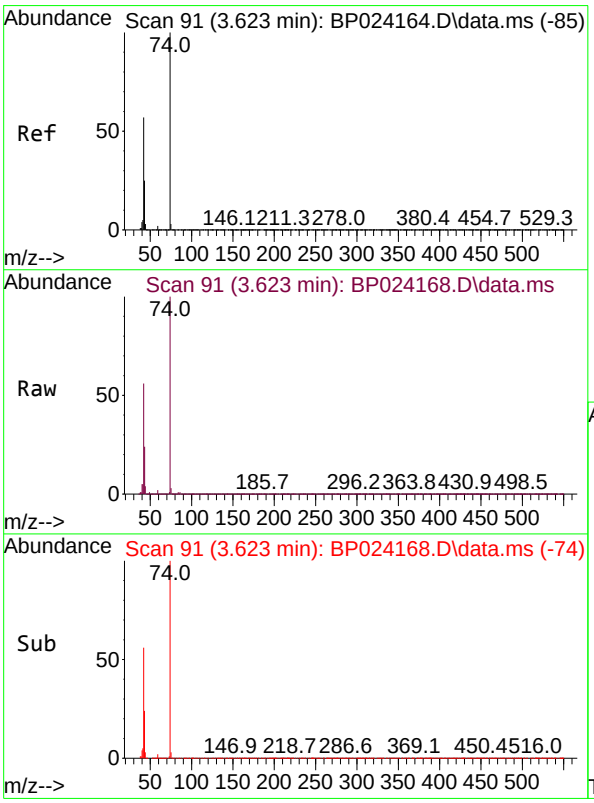

#3
Pyridine
Concen: 38.718 ng
RT: 3.717 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion: 79 Resp: 1050879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 54.2 | 43.8 | 65.8 |
| 51 | 26.8 | 21.6 | 32.4 |

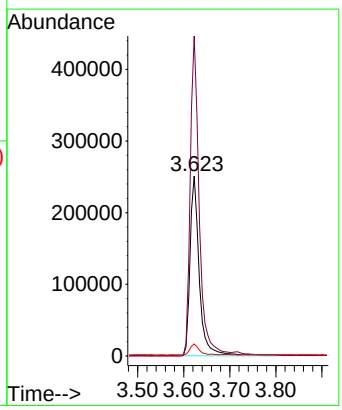


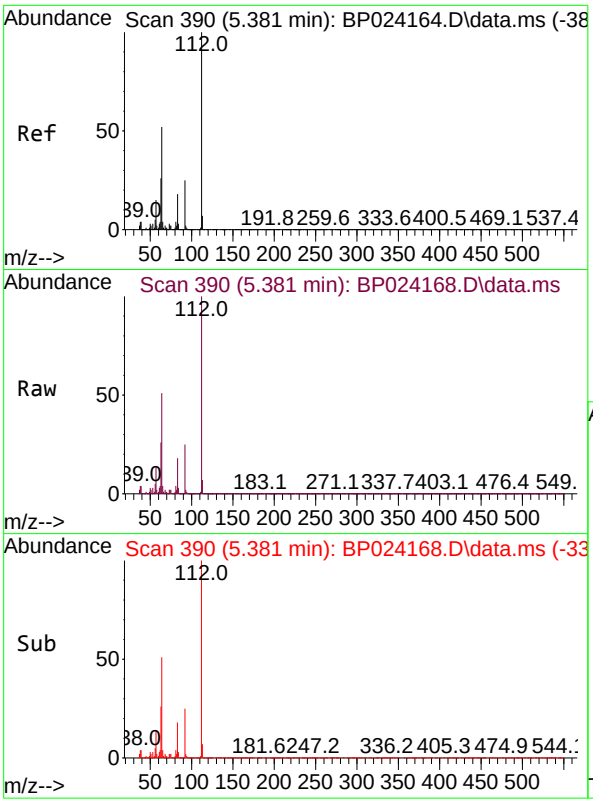




#4
n-Nitrosodimethylamine
Concen: 38.646 ng
RT: 3.623 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion: 42 Resp: 350385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 177.7 | 139.8 | 209.6 |
| 44 | 6.7 | 5.3 | 7.9 |



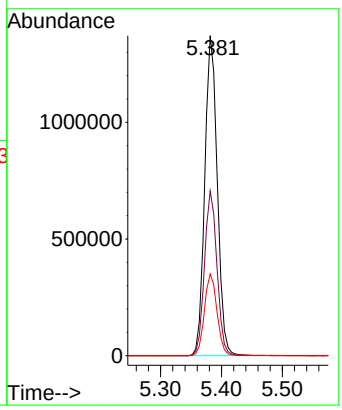


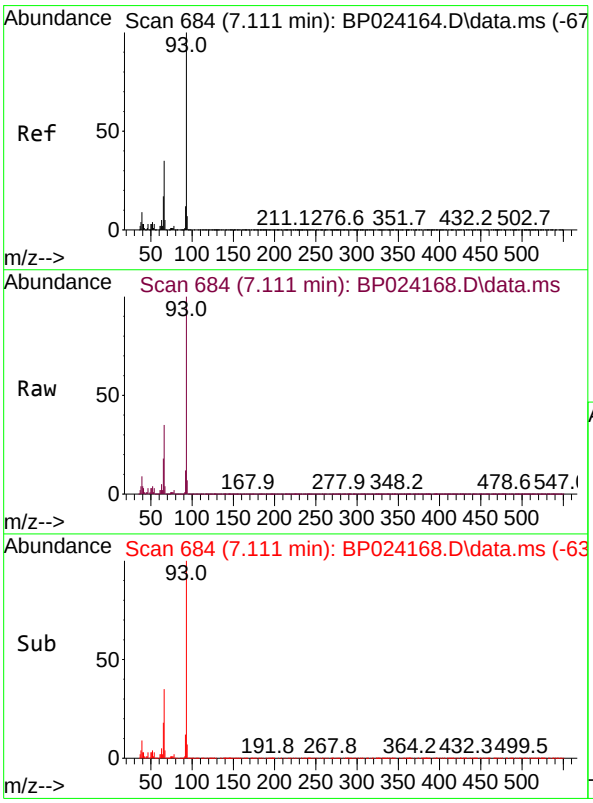

#5
2-Fluorophenol
Concen: 78.230 ng
RT: 5.381 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:112 Resp: 1959434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 51.4 | 41.3 | 61.9 |
| 63 | 25.6 | 20.6 | 31.0 |

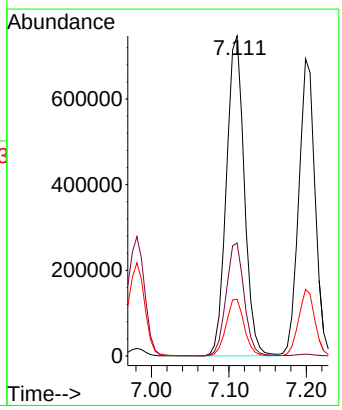


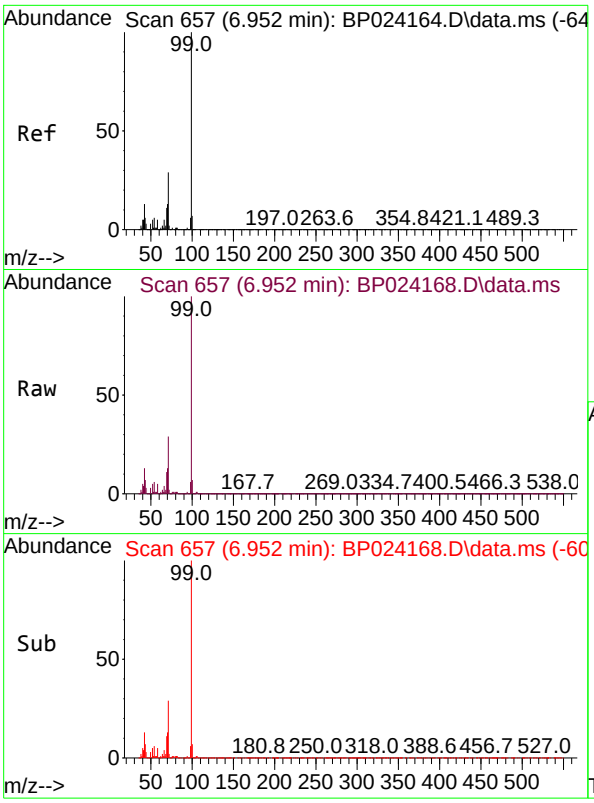




#6
Aniline
Concen: 39.413 ng
RT: 7.111 min Scan# 684
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion: 93 Resp: 1202738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 35.3 | 28.2 | 42.2 |
| 65 | 17.8 | 14.0 | 21.0 |



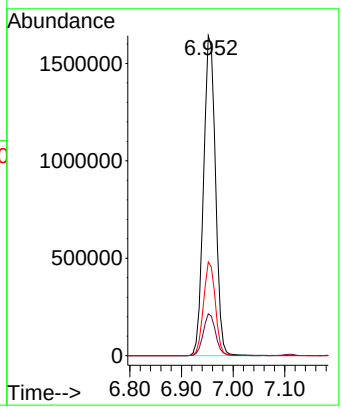


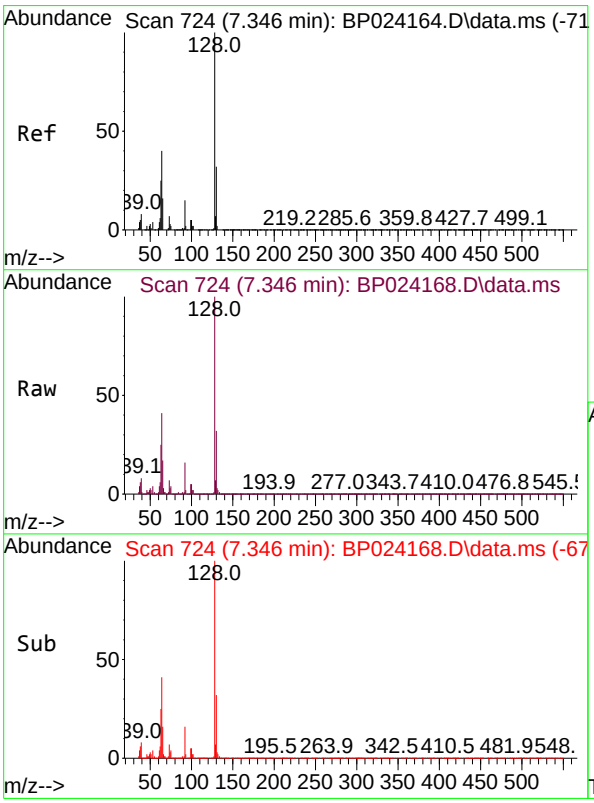

#7
Phenol-d6
Concen: 78.704 ng
RT: 6.952 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion: 99 Resp: 2636154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.1 | 10.6 | 16.0 |
| 71 | 29.3 | 23.3 | 34.9 |

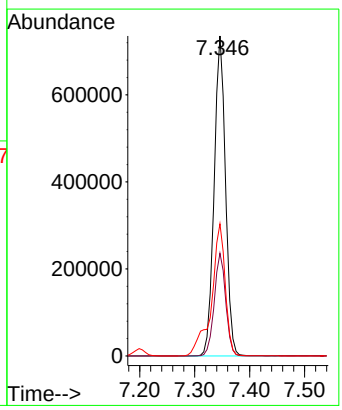


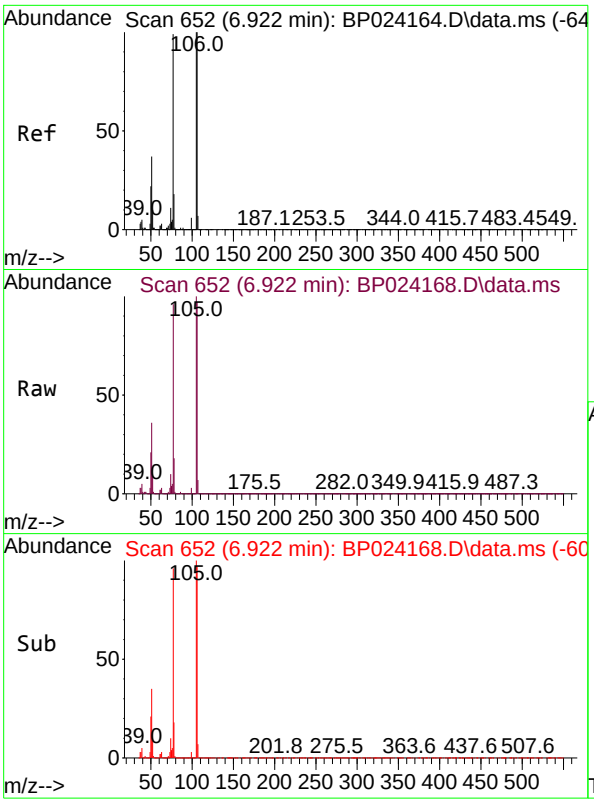




#8
2-Chlorophenol
Concen: 39.149 ng
RT: 7.346 min Scan# 724
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:128 Resp: 1059150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.1 | 12.0 | 52.0 |
| 64 | 41.3 | 21.6 | 61.6 |



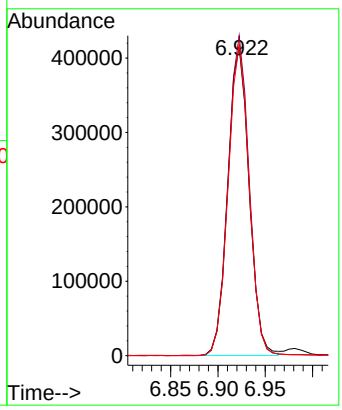


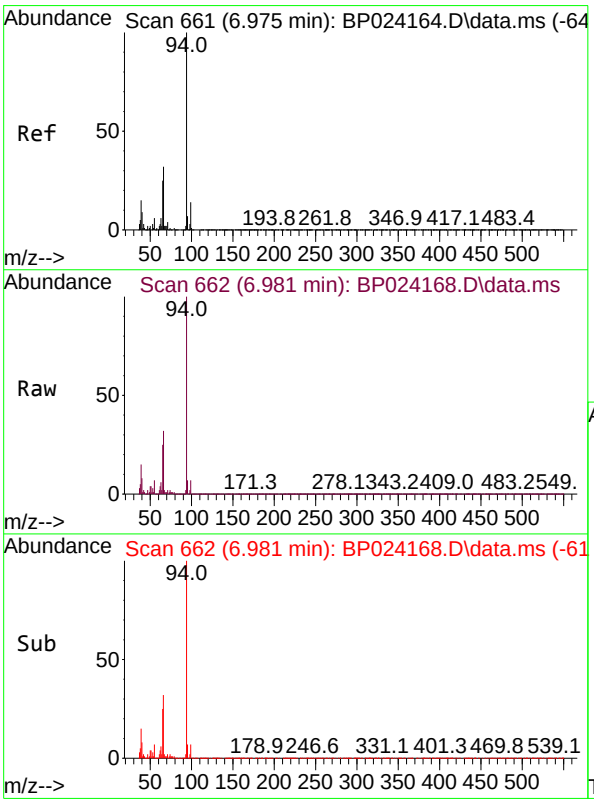

#9
Benzaldehyde
Concen: 40.389 ng
RT: 6.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion: 77 Resp: 652848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 103.7 | 81.4 | 121.4 |
| 106 | 100.8 | 81.1 | 121.1 |

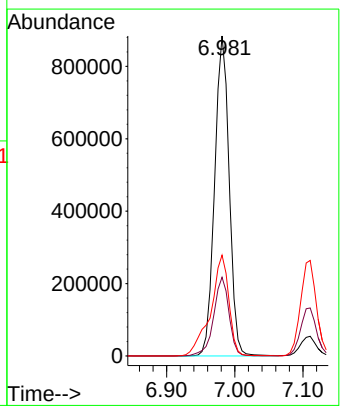


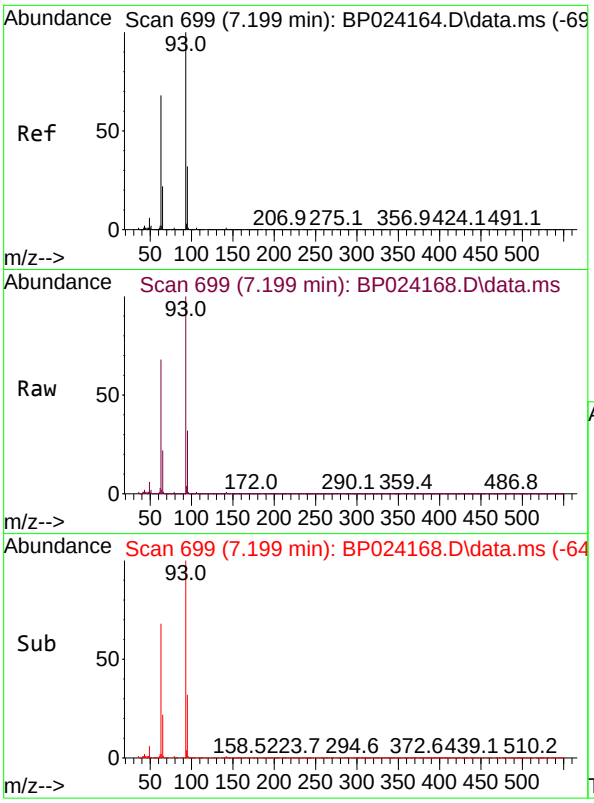




#10
Phenol
Concen: 38.869 ng
RT: 6.981 min Scan# 662
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion: 94 Resp: 1314283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 24.6 | 4.9 | 44.9 |
| 66 | 31.5 | 11.9 | 51.9 |



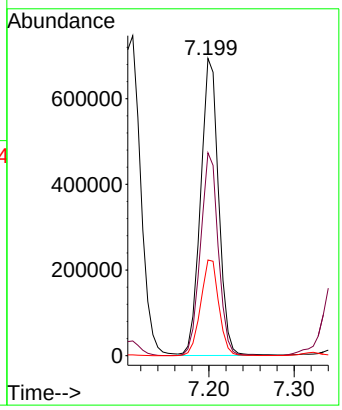


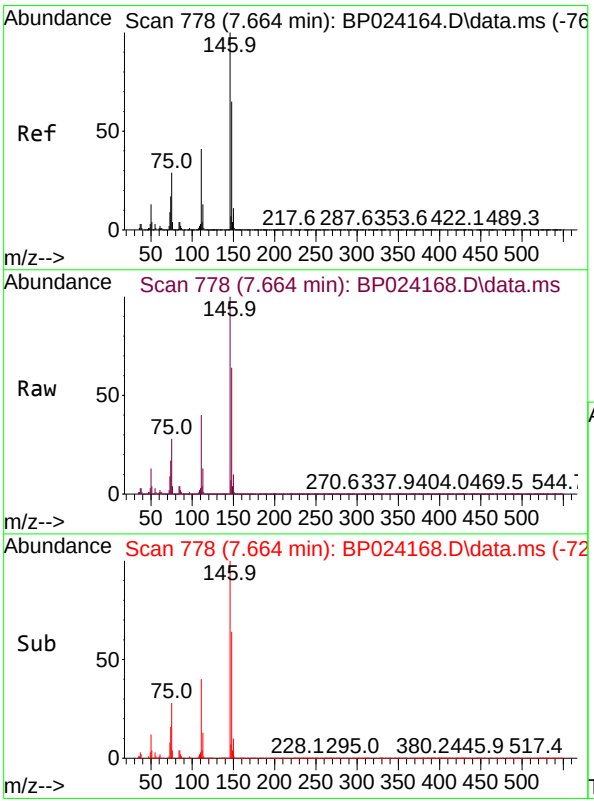

#11
bis(2-Chloroethyl)ether
Concen: 38.203 ng
RT: 7.199 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion: 93 Resp: 1018670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 68.3 | 47.4 | 87.4 |
| 95 | 32.2 | 12.1 | 52.1 |

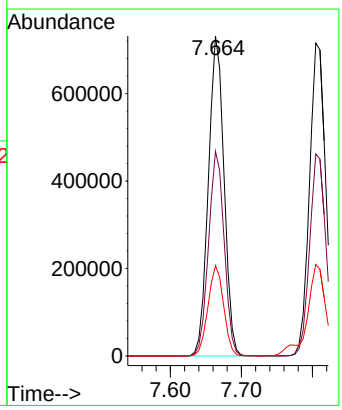


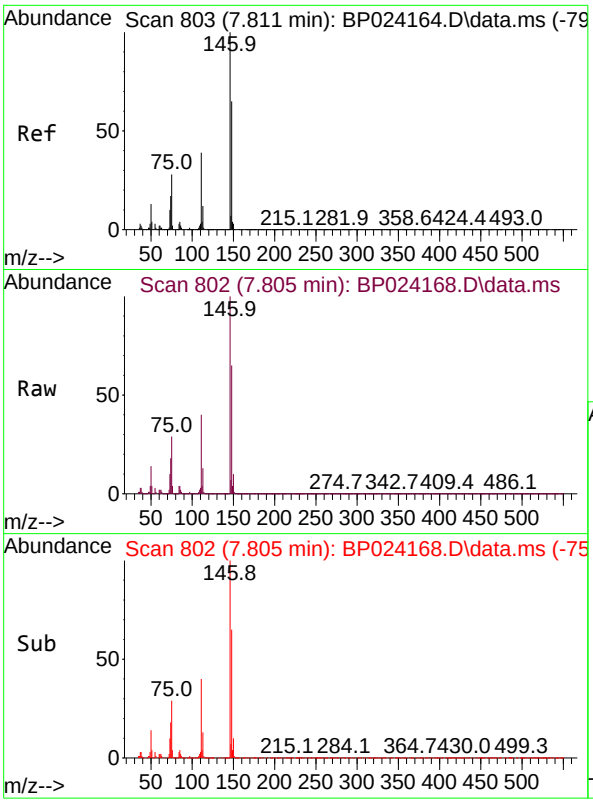




#12
1,3-Dichlorobenzene
Concen: 38.353 ng
RT: 7.664 min Scan# 778
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:146 Resp: 1118950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 51.6 | 77.4 |
| 75 | 28.2 | 22.8 | 34.2 |



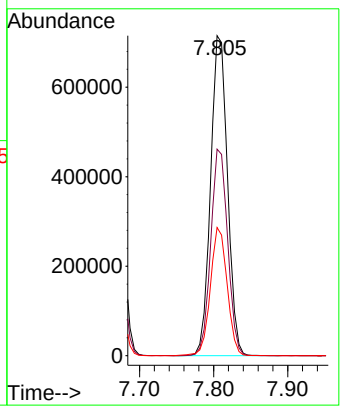


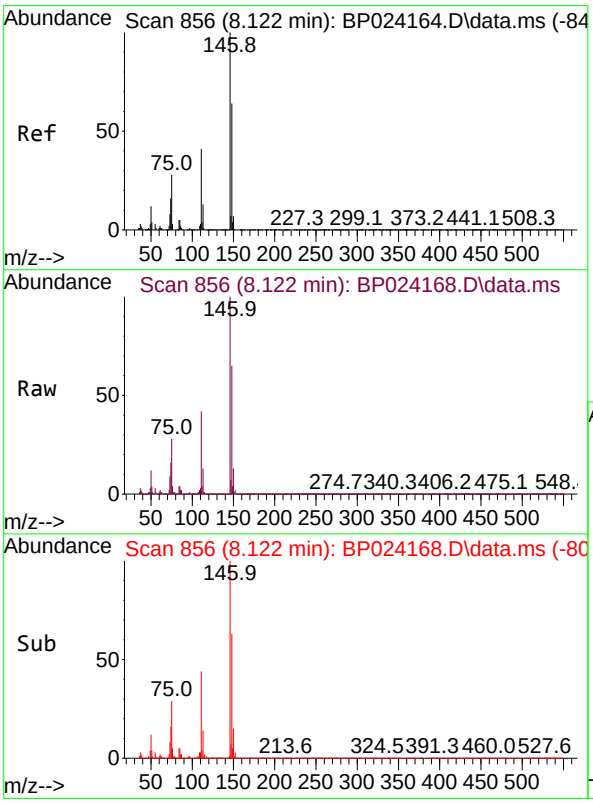

#13
1,4-Dichlorobenzene
Concen: 37.960 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:146 Resp: 1130770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.5 | 51.9 | 77.9 |
| 111 | 40.1 | 31.4 | 47.2 |

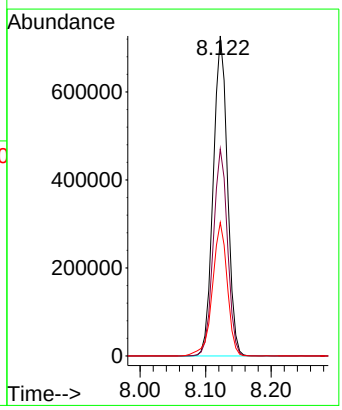


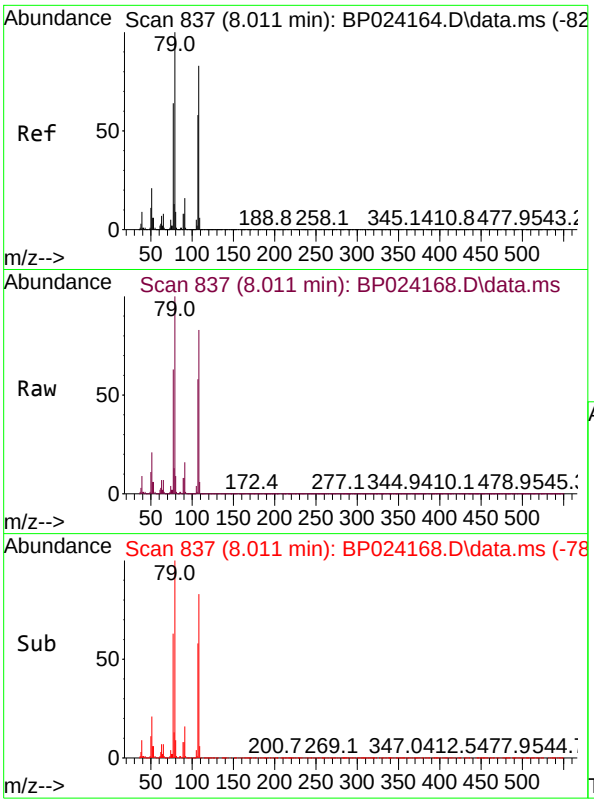




#14
1,2-Dichlorobenzene
Concen: 38.116 ng
RT: 8.122 min Scan# 856
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:146 Resp: 1089564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.7 | 51.4 | 77.2 |
| 111 | 41.7 | 33.2 | 49.8 |



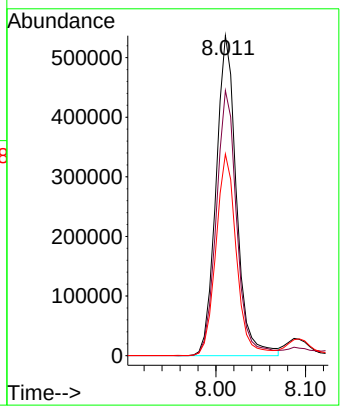


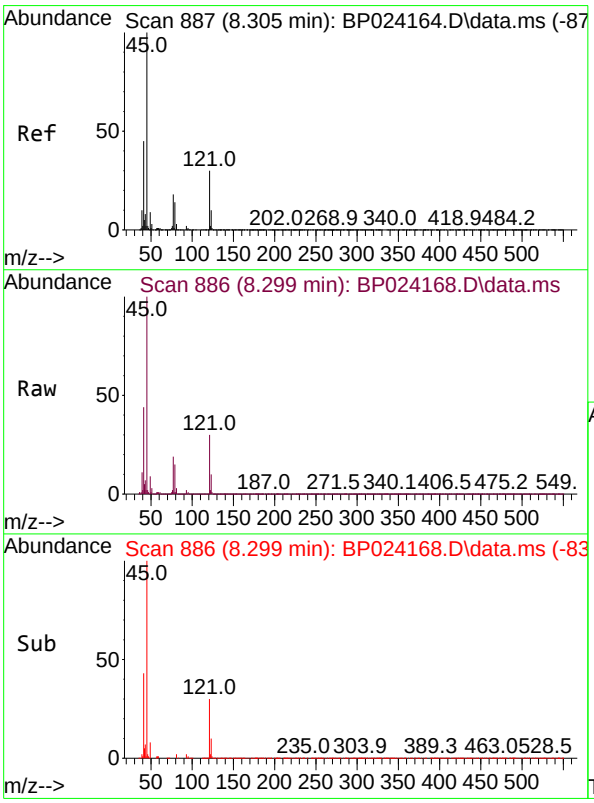

#15
Benzyl Alcohol
Concen: 39.999 ng
RT: 8.011 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion: 79 Resp: 848187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 82.9 | 66.5 | 99.7 |
| 77 | 63.0 | 50.9 | 76.3 |

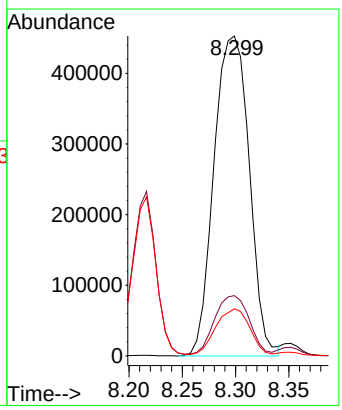


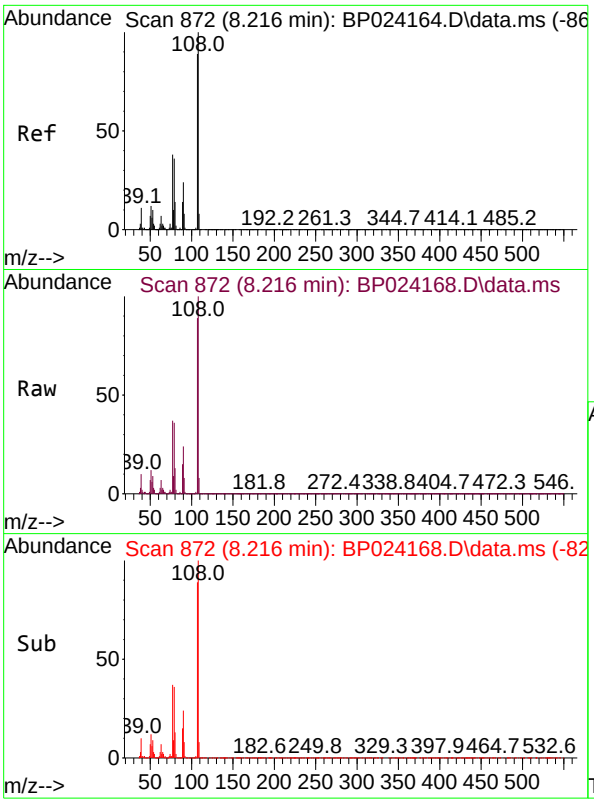




#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.356 ng
RT: 8.299 min Scan# 886
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion: 45 Resp: 1043834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 18.9 | 0.0 | 39.0 |
| 79 | 14.7 | 0.0 | 35.6 |



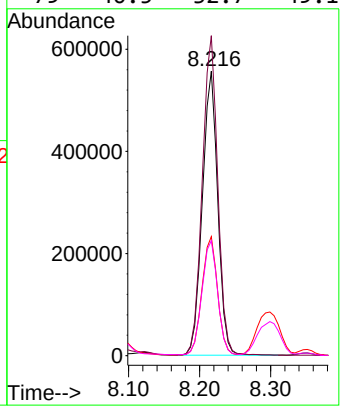


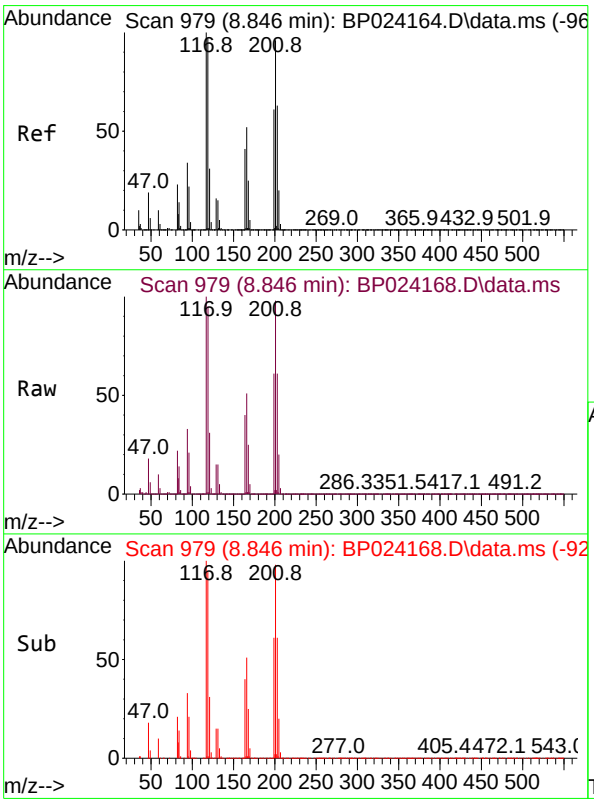

#17
2-Methylphenol
Concen: 39.636 ng
RT: 8.216 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:107 Resp: 840413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.5 | 90.0 | 135.0 |
| 77 | 41.8 | 34.0 | 51.0 |
| 79 | 40.5 | 32.7 | 49.1 |

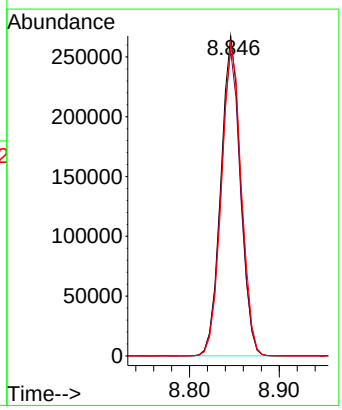


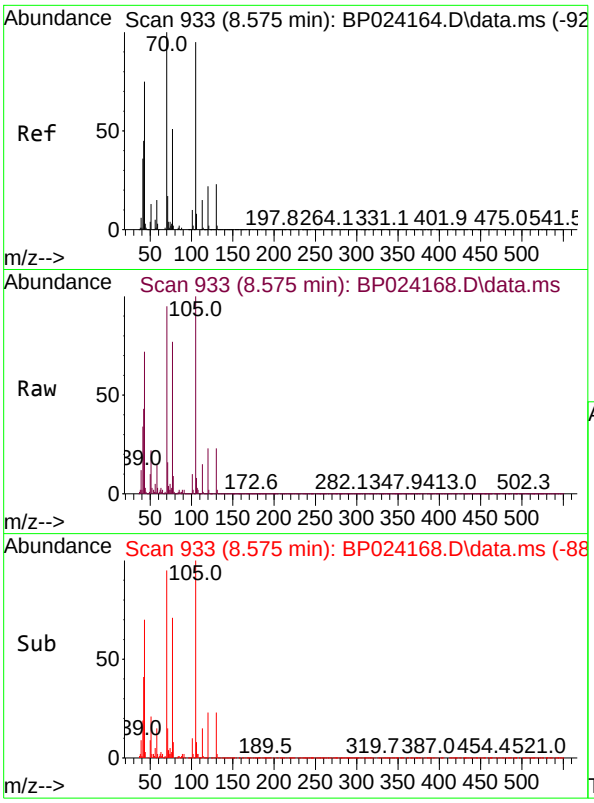




#18
Hexachloroethane
Concen: 38.587 ng
RT: 8.846 min Scan# 979
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:117 Resp: 407804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.5 | 77.4 | 116.0 |
| 201 | 97.7 | 76.6 | 114.8 |



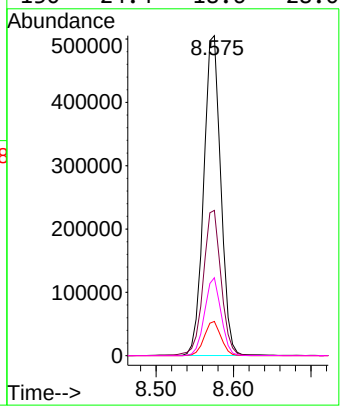


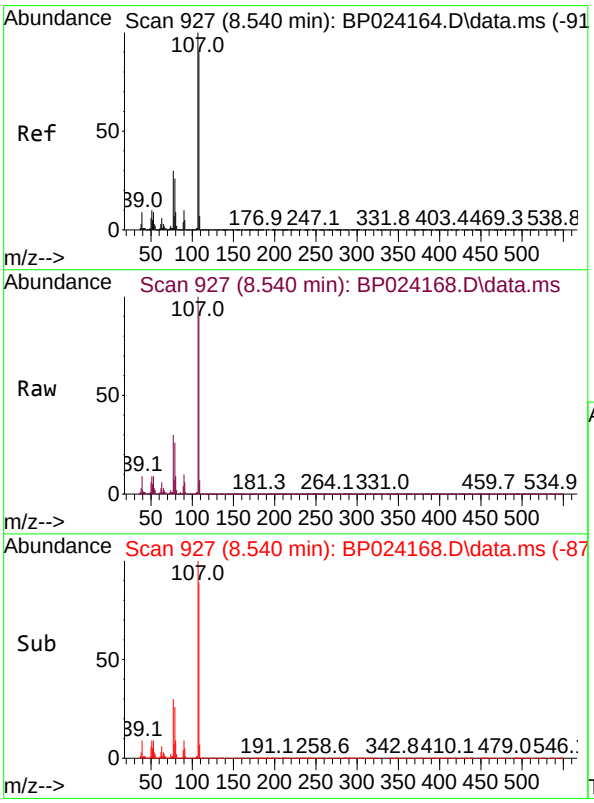

#19
n-Nitroso-di-n-propylamine
Concen: 39.697 ng
RT: 8.575 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion: 70 Resp: 771380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 45.4 | 36.0 | 54.0 |
| 101 | 10.7 | 8.3 | 12.5 |
| 130 | 24.4 | 18.6 | 28.0 |

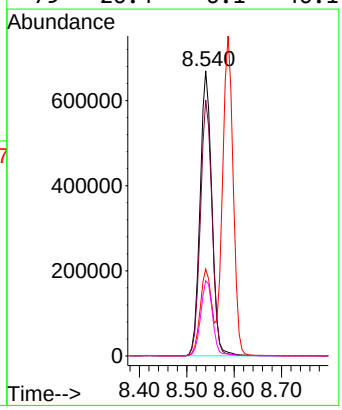


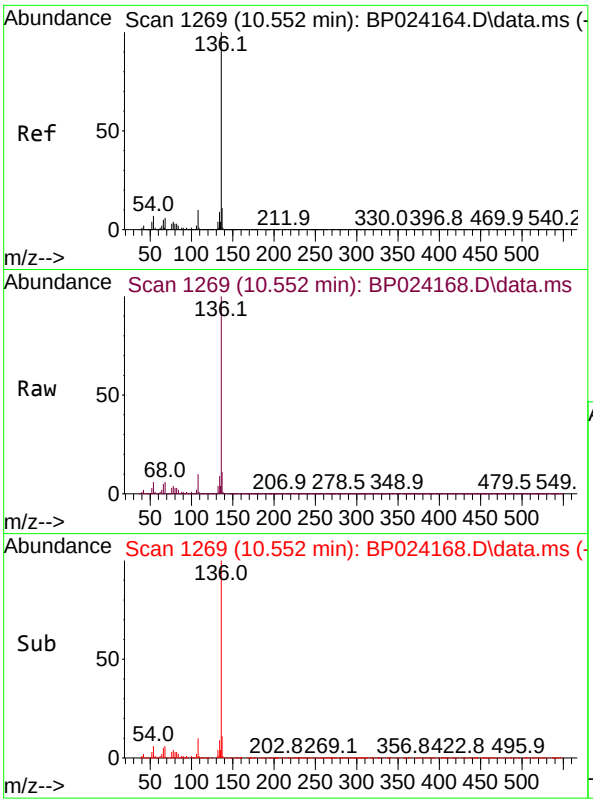




#20
3+4-Methylphenols
Concen: 39.629 ng
RT: 8.540 min Scan# 927
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:107 Resp: 1154401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.8 | 69.7 | 109.7 |
| 77 | 30.5 | 10.3 | 50.3 |
| 79 | 26.4 | 6.1 | 46.1 |



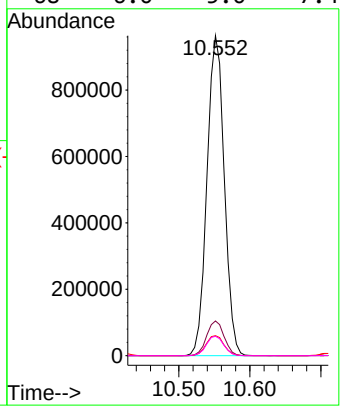


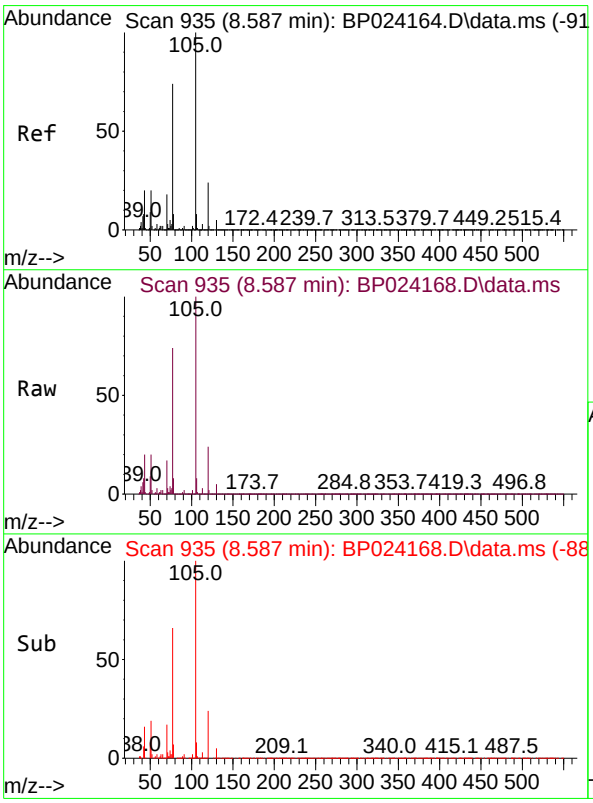

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.552 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:136 Resp: 1631941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 9.0 | 13.4 |
| 54 | 6.3 | 5.3 | 7.9 |
| 68 | 6.0 | 5.0 | 7.4 |

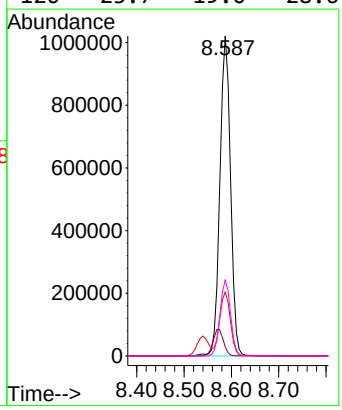


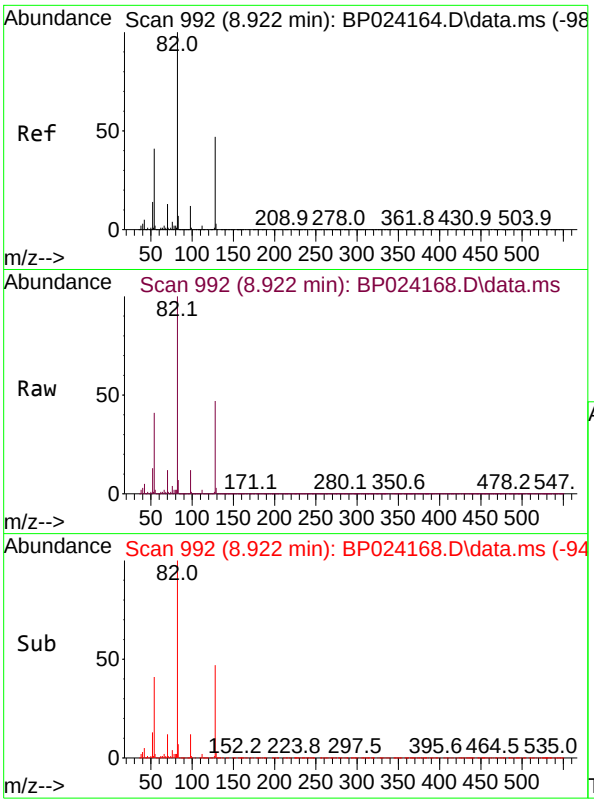




#22
Acetophenone
Concen: 38.611 ng
RT: 8.587 min Scan# 935
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:105 Resp: 1593044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 2.9 | 2.4 | 3.6 |
| 51 | 20.0 | 16.2 | 24.2 |
| 120 | 23.7 | 19.0 | 28.6 |



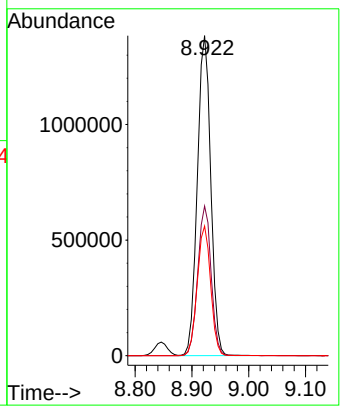


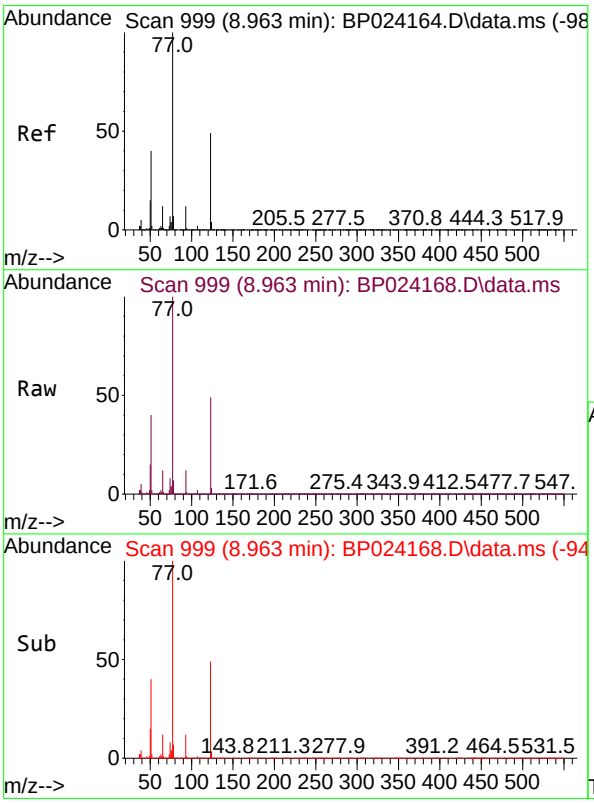

#23
Nitrobenzene-d5
Concen: 78.652 ng
RT: 8.922 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion: 82 Resp: 2274955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.8 | 37.4 | 56.0 |
| 54 | 40.5 | 32.5 | 48.7 |

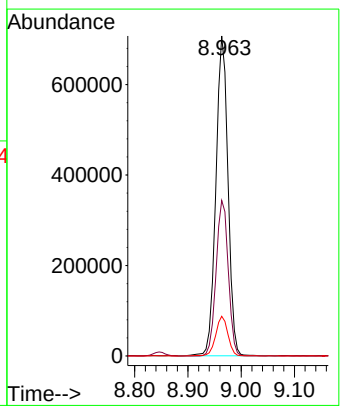


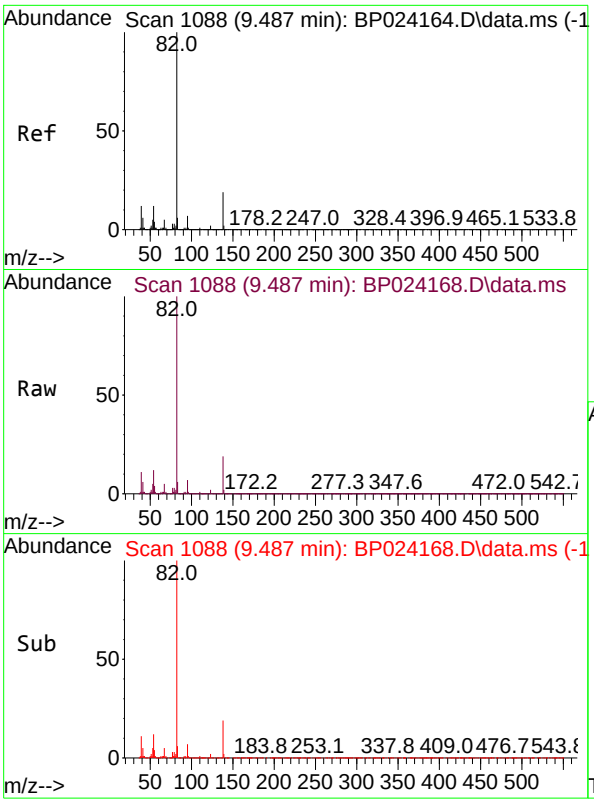




#24
Nitrobenzene
Concen: 39.045 ng
RT: 8.963 min Scan# 999
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion: 77 Resp: 1114096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 48.6 | 39.4 | 59.2 |
| 65 | 12.4 | 9.9 | 14.9 |



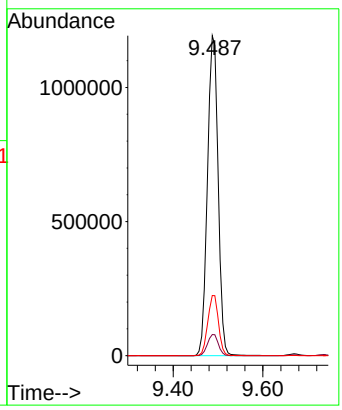


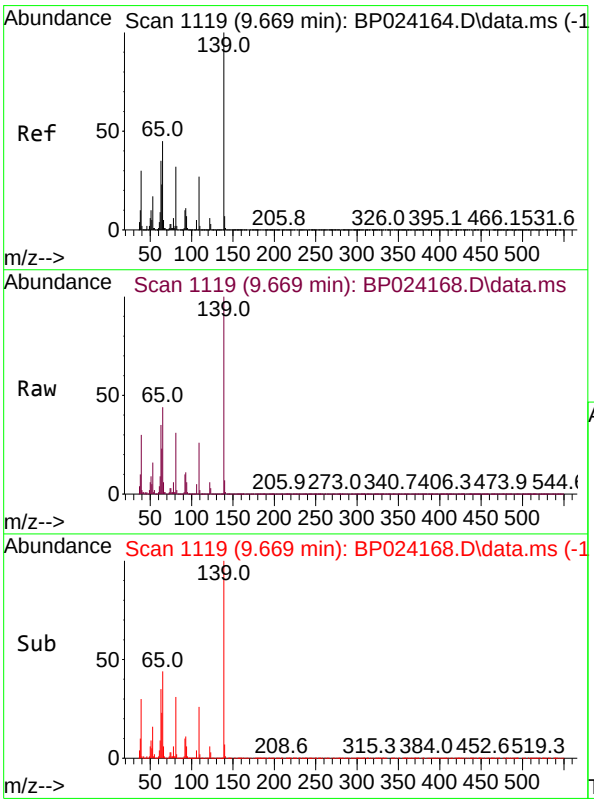

#25
Isophorone
Concen: 39.677 ng
RT: 9.487 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion: 82 Resp: 1967247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.6 | 5.3 | 7.9 |
| 138 | 18.8 | 14.8 | 22.2 |

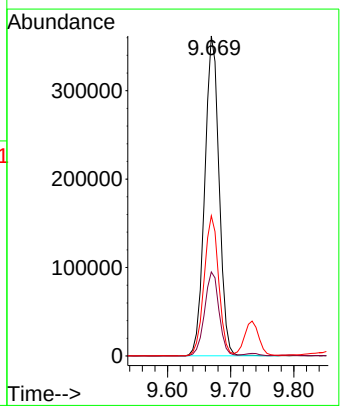


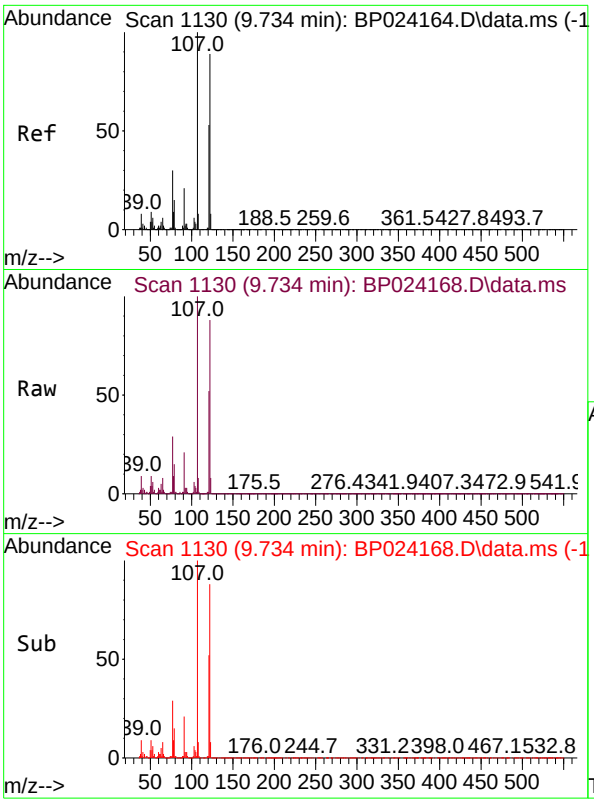




#26
2-Nitrophenol
Concen: 41.892 ng
RT: 9.669 min Scan# 1119
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:139 Resp: 570971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 26.2 | 21.7 | 32.5 |
| 65 | 43.8 | 35.8 | 53.8 |



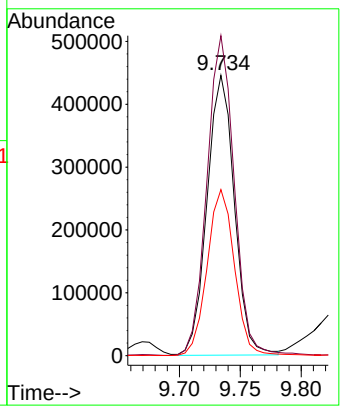


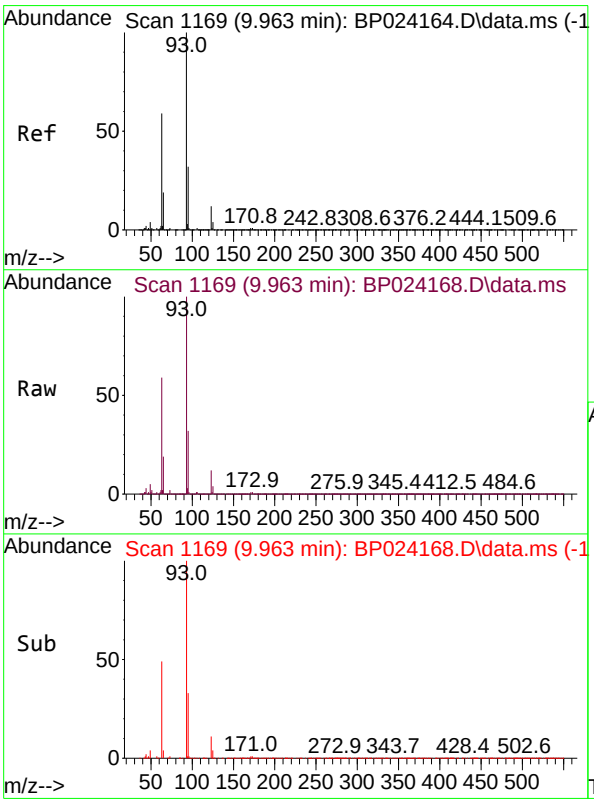

#27
2,4-Dimethylphenol
Concen: 39.779 ng
RT: 9.734 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:122 Resp: 697163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 114.1 | 89.3 | 133.9 |
| 121 | 59.2 | 47.5 | 71.3 |

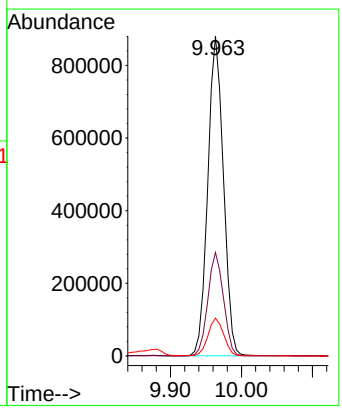


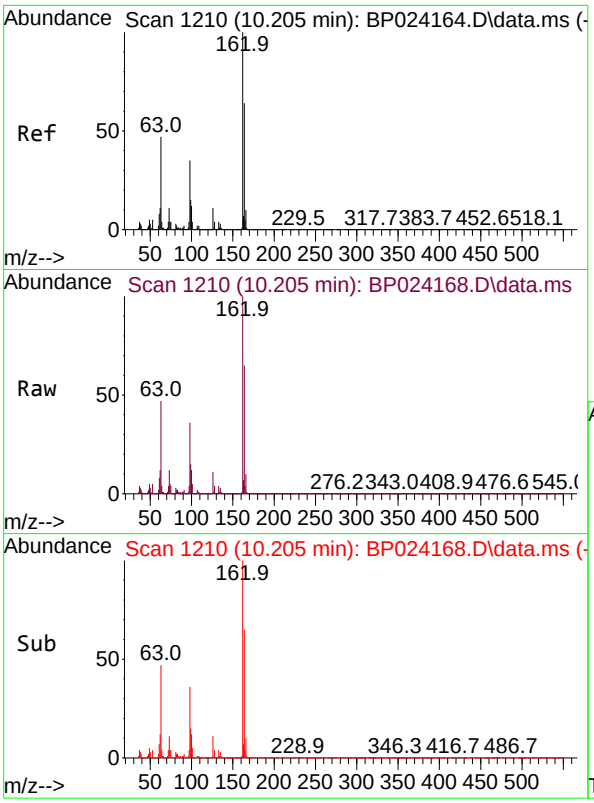




#28
bis(2-Chloroethoxy)methane
Concen: 38.608 ng
RT: 9.963 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion: 93 Resp: 1346656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.4 | 25.9 | 38.9 |
| 123 | 11.8 | 9.5 | 14.3 |



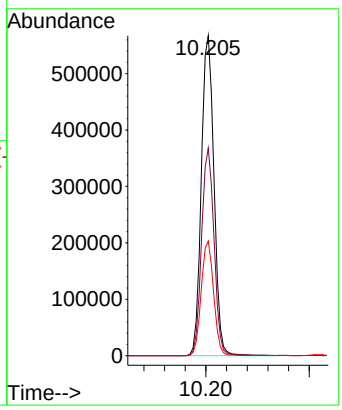


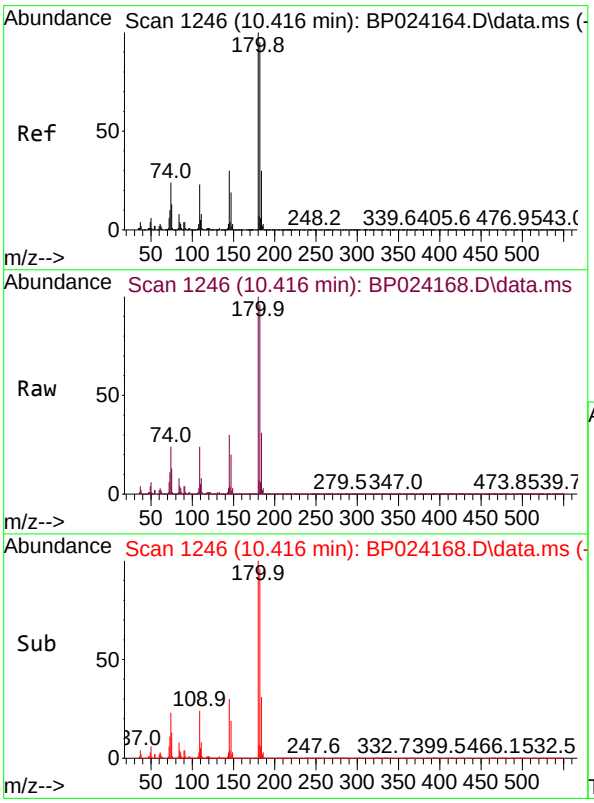

#29
2,4-Dichlorophenol
Concen: 40.558 ng
RT: 10.205 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:162 Resp: 961583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.9 | 44.2 | 84.2 |
| 98 | 35.8 | 15.1 | 55.1 |

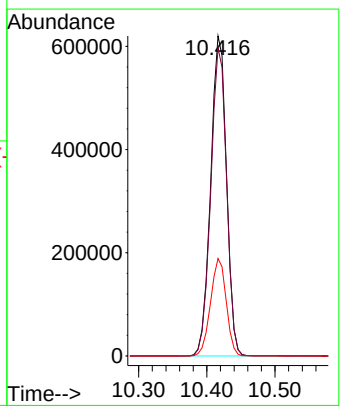


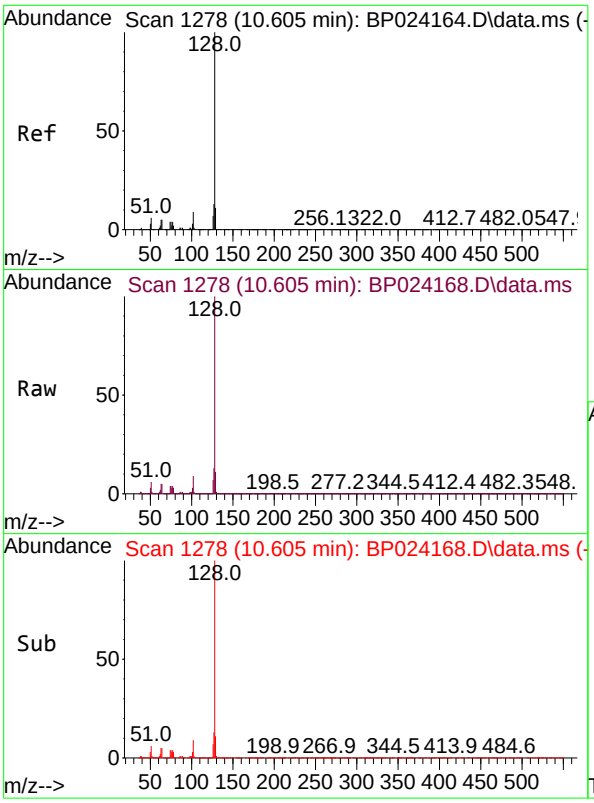




#30
1,2,4-Trichlorobenzene
Concen: 38.264 ng
RT: 10.416 min Scan# 1246
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:180 Resp: 1002302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.2 | 76.1 | 114.1 |
| 145 | 30.5 | 24.2 | 36.2 |



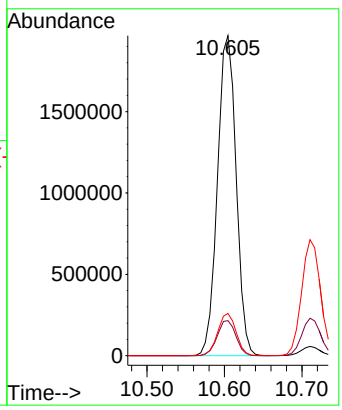


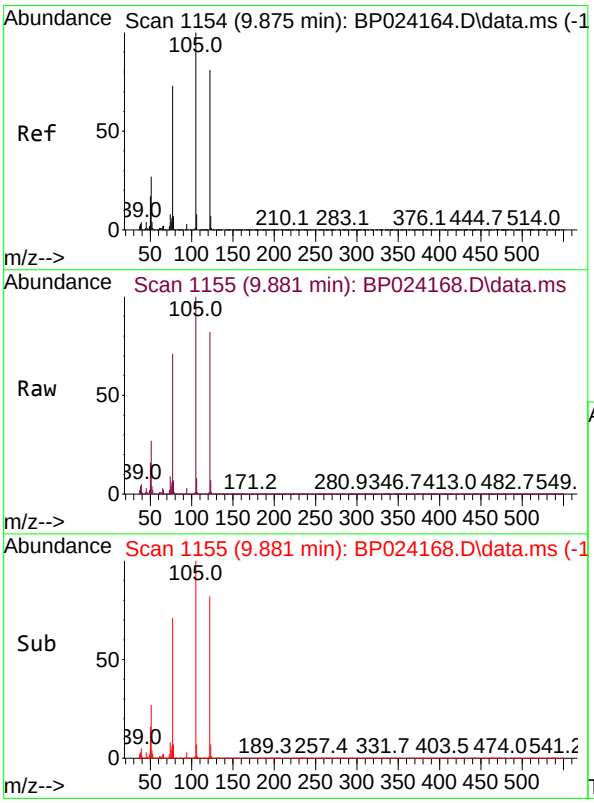

#31
Naphthalene
Concen: 38.223 ng
RT: 10.605 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:128 Resp: 3306535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.7 | 13.1 |
| 127 | 13.2 | 10.4 | 15.6 |

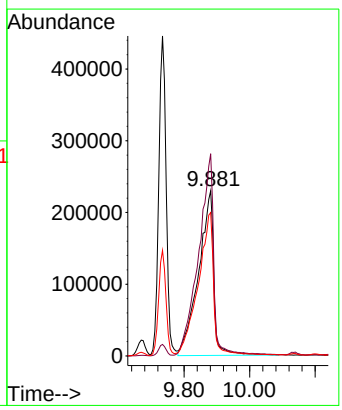


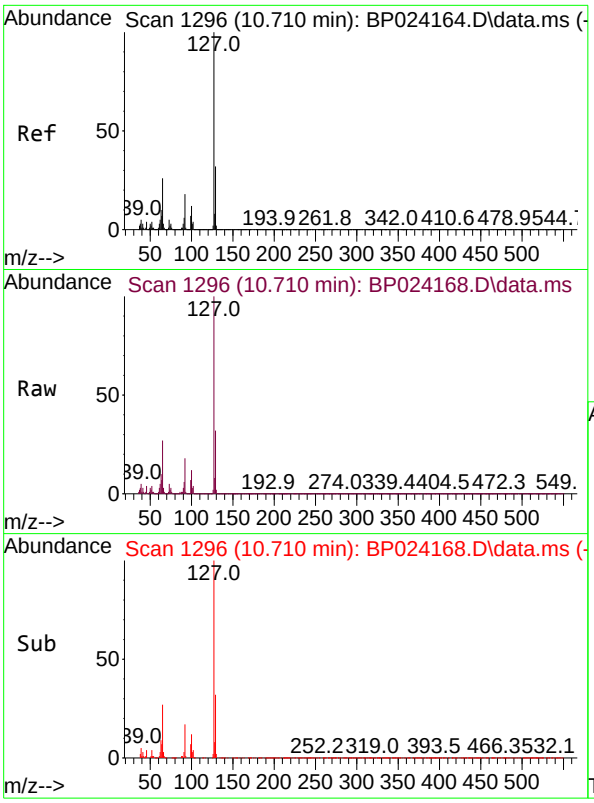




#32
Benzoic acid
Concen: 43.618 ng
RT: 9.881 min Scan# 1155
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:122 Resp: 745543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 122.4 | 100.3 | 140.3 |
| 77 | 86.8 | 69.1 | 109.1 |



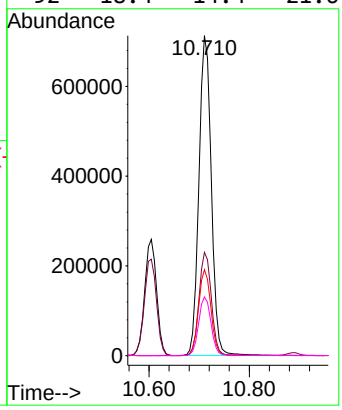


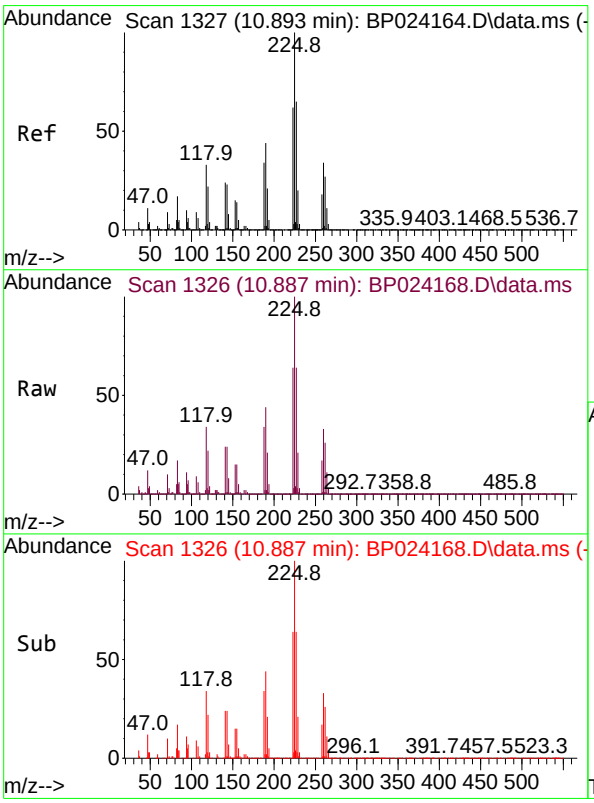

#33
4-Chloroaniline
Concen: 39.499 ng
RT: 10.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:127 Resp: 1222820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.3 | 25.8 | 38.6 |
| 65 | 26.9 | 21.2 | 31.8 |
| 92 | 18.4 | 14.4 | 21.6 |

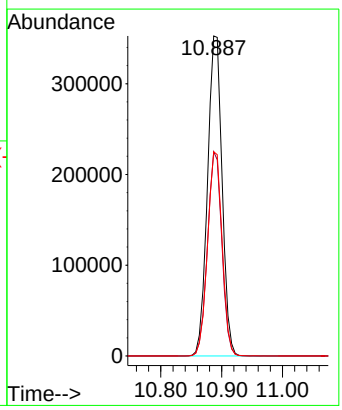


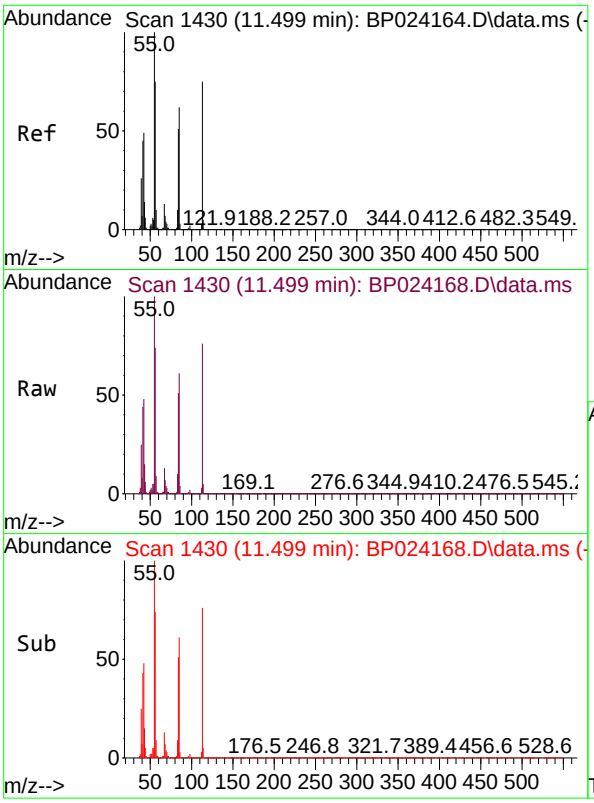




#34
Hexachlorobutadiene
Concen: 38.854 ng
RT: 10.887 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:225 Resp: 585728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.8 | 49.9 | 74.9 |
| 227 | 63.8 | 52.2 | 78.2 |



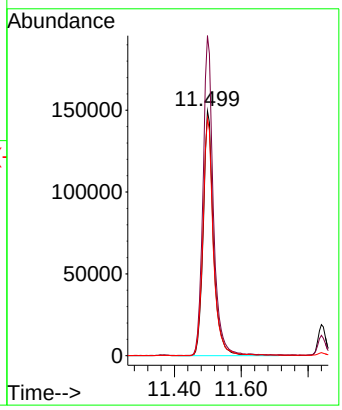


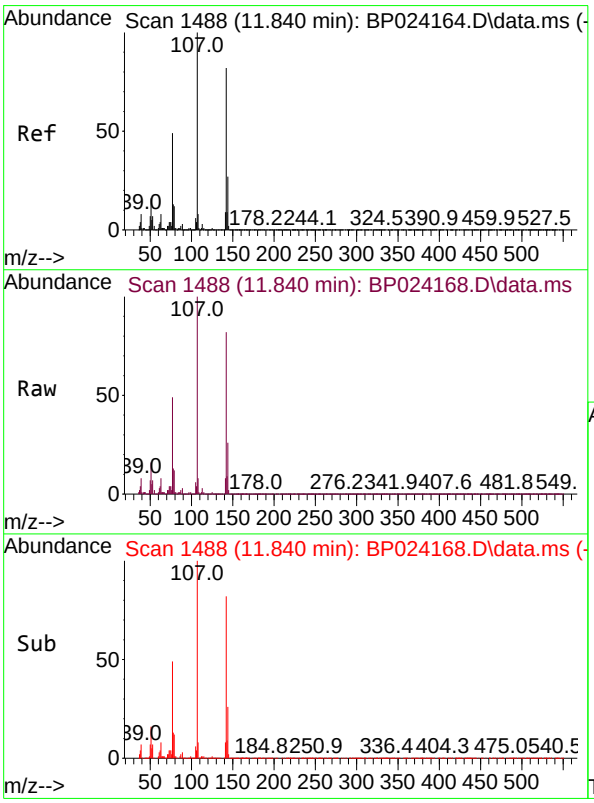

#35
Caprolactam
Concen: 40.859 ng
RT: 11.499 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:113 Resp: 317484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 130.8 | 113.6 | 153.6 |
| 56 | 97.1 | 80.0 | 120.0 |

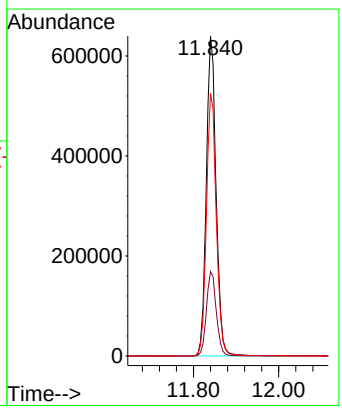


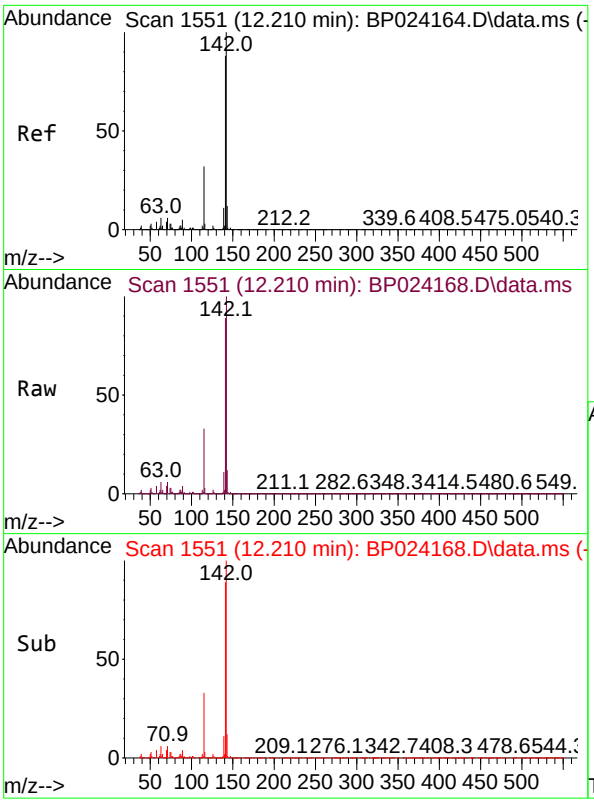




#36
4-Chloro-3-methylphenol
Concen: 39.702 ng
RT: 11.840 min Scan# 1488
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:107 Resp: 1015423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.4 | 21.6 | 32.4 |
| 142 | 82.2 | 65.4 | 98.0 |



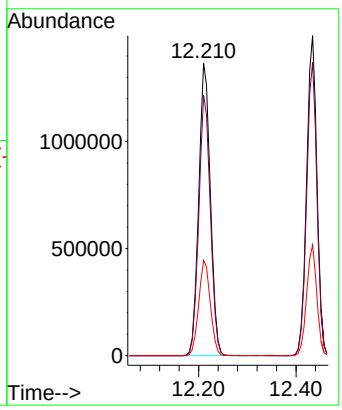


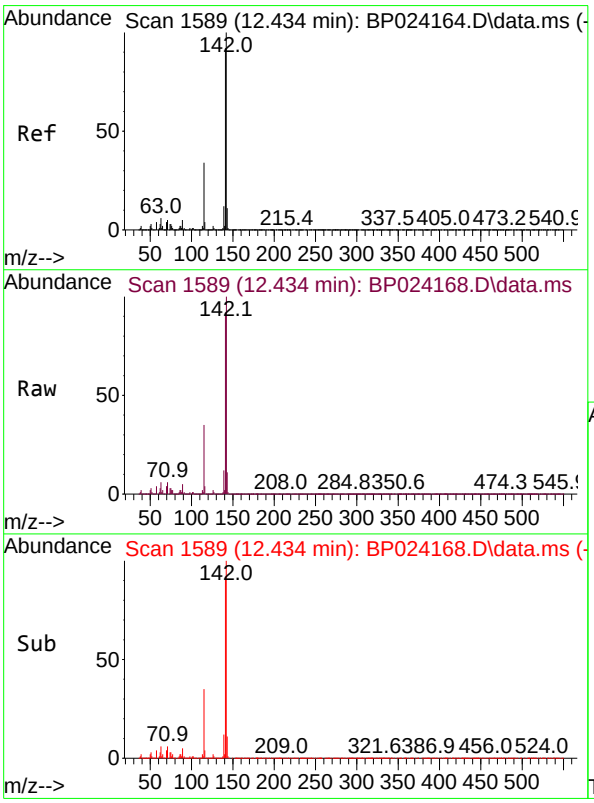

#37
2-Methylnaphthalene
Concen: 38.762 ng
RT: 12.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:142 Resp: 2265320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.0 | 70.3 | 105.5 |
| 115 | 32.5 | 26.0 | 39.0 |

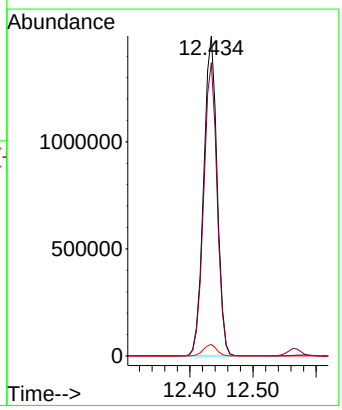


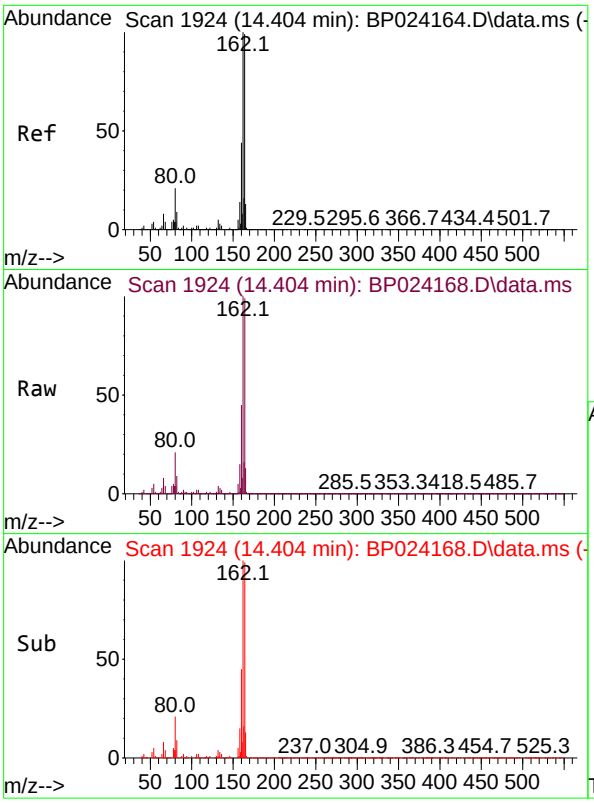




#38
1-Methylnaphthalene
Concen: 38.874 ng
RT: 12.434 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:142 Resp: 2209719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.7 | 73.9 | 110.9 |
| 116 | 3.6 | 2.8 | 4.2 |



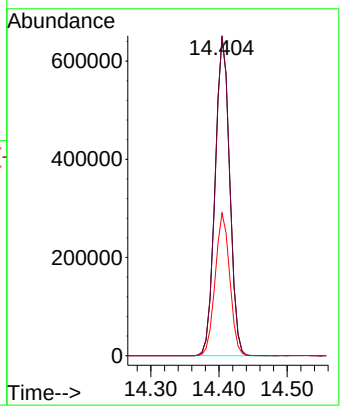


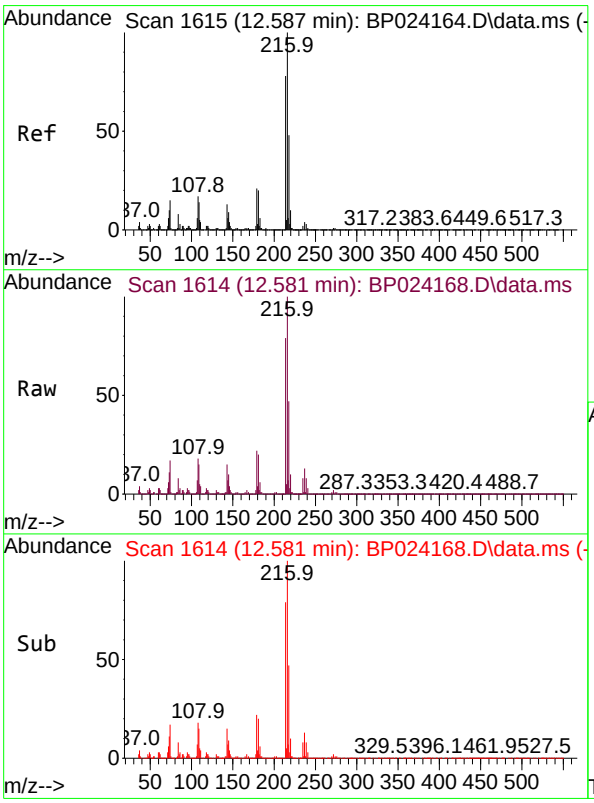

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:164 Resp: 966525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.8 | 80.6 | 121.0 |
| 160 | 44.9 | 35.4 | 53.2 |

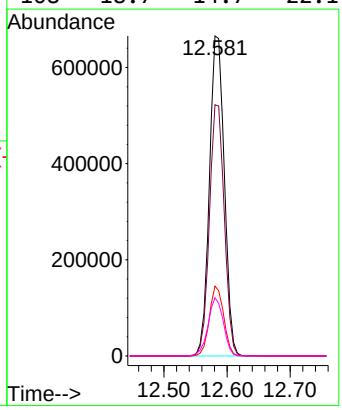


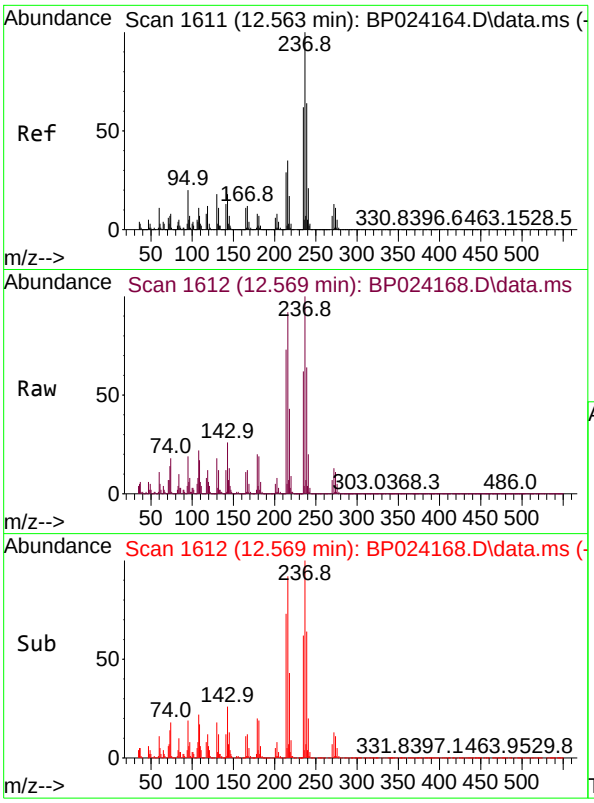




#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.988 ng
RT: 12.581 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:216 Resp: 1089303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.3 | 62.8 | 94.2 |
| 179 | 21.0 | 16.8 | 25.2 |
| 108 | 18.7 | 14.7 | 22.1 |



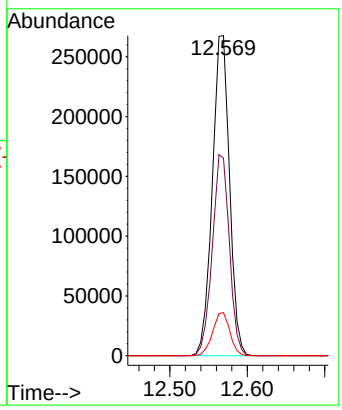


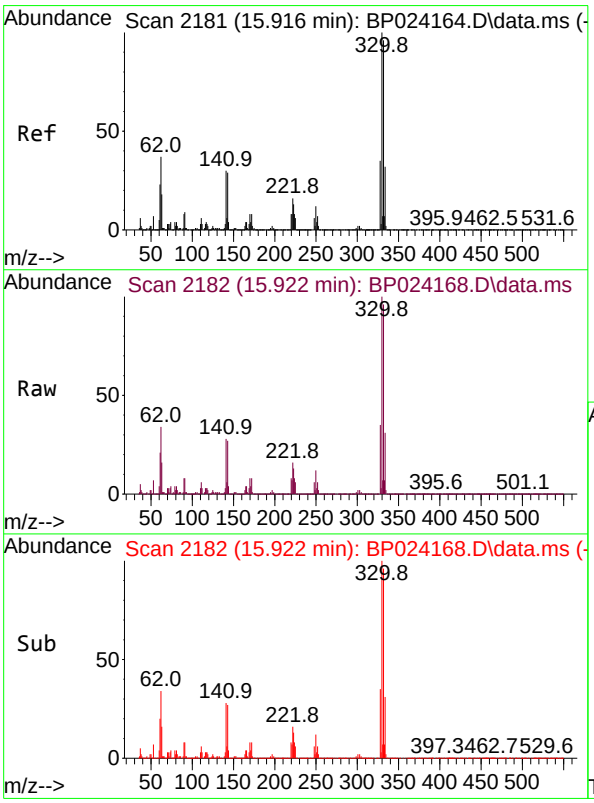

#41
Hexachlorocyclopentadiene
Concen: 41.026 ng
RT: 12.569 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:237 Resp: 413181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.8 | 41.8 | 81.8 |
| 272 | 13.4 | 0.0 | 33.5 |

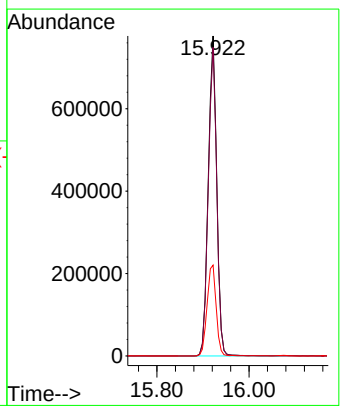


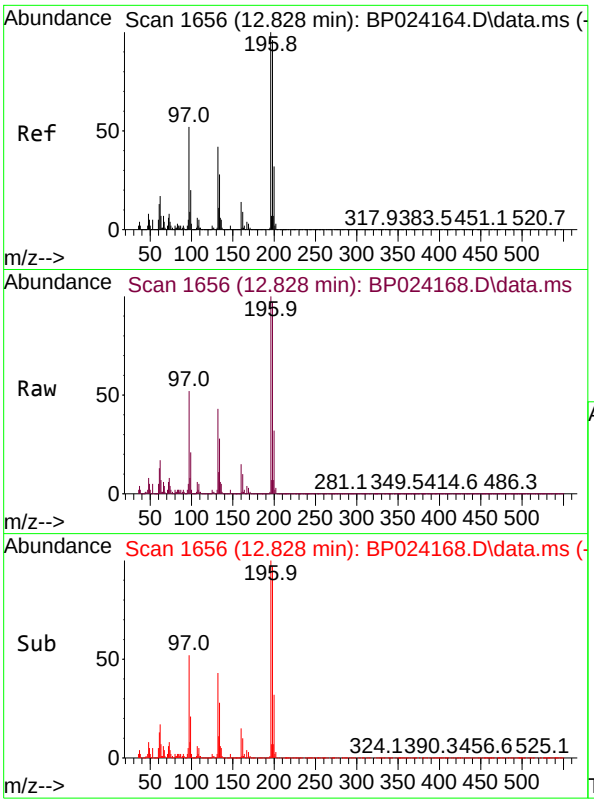




#42
2,4,6-Tribromophenol
Concen: 81.766 ng
RT: 15.922 min Scan# 2182
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:330 Resp: 995466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.9 | 77.6 | 116.4 |
| 141 | 30.6 | 25.0 | 37.6 |



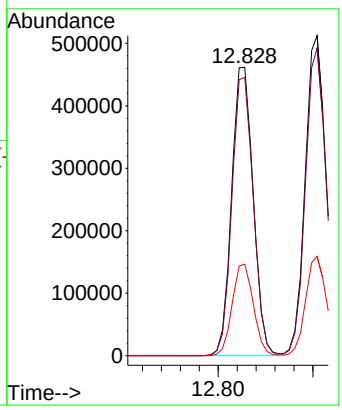


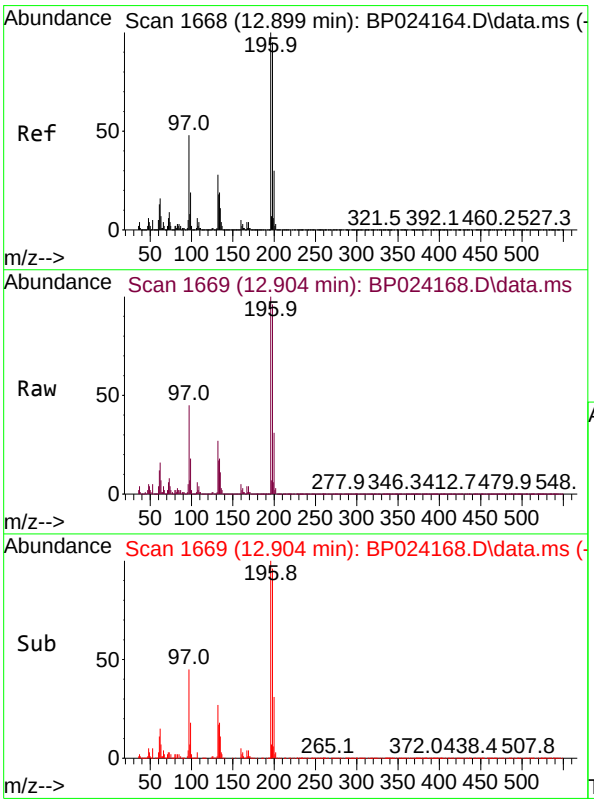

#43
2,4,6-Trichlorophenol
Concen: 40.950 ng
RT: 12.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:196 Resp: 727105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.5 | 76.6 | 115.0 |
| 200 | 31.7 | 25.4 | 38.0 |

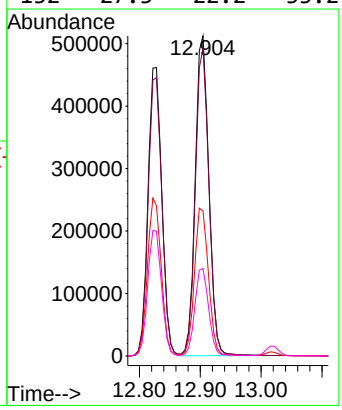


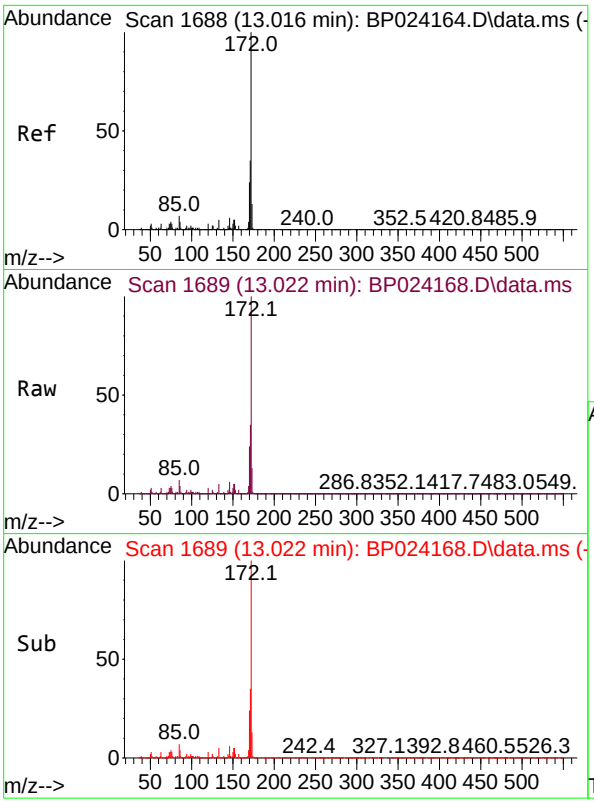




#44
2,4,5-Trichlorophenol
Concen: 40.985 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:196 Resp: 798076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.1 | 76.5 | 114.7 |
| 97 | 45.3 | 38.7 | 58.1 |
| 132 | 27.3 | 22.2 | 33.2 |



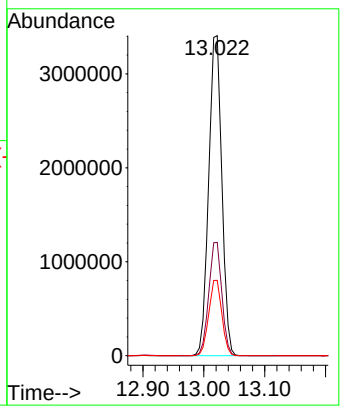


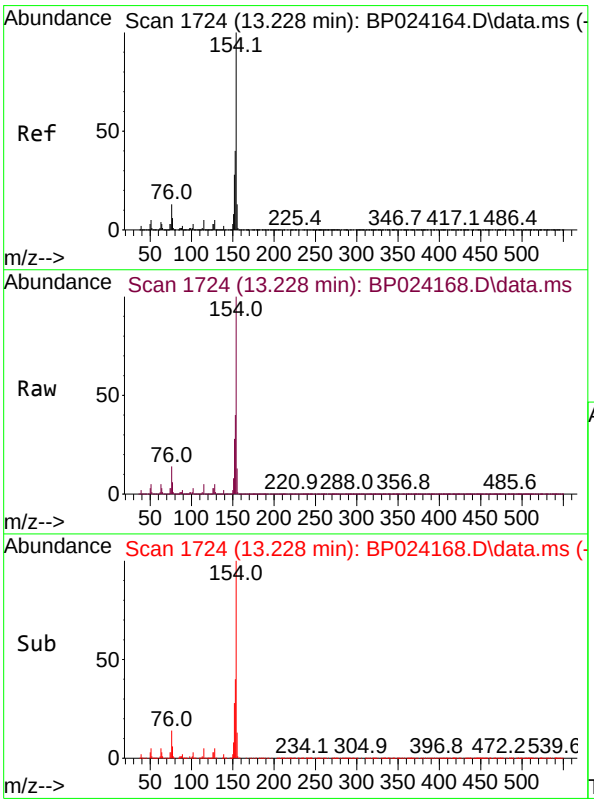

#45
2-Fluorobiphenyl
Concen: 77.885 ng
RT: 13.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:172 Resp: 5105223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 28.3 | 42.5 |
| 170 | 23.6 | 19.0 | 28.4 |

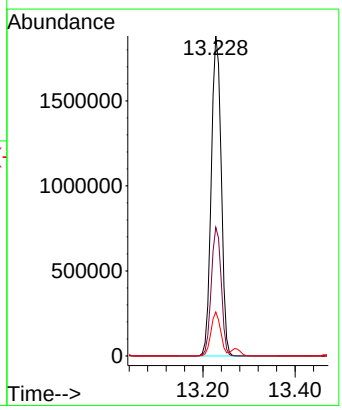


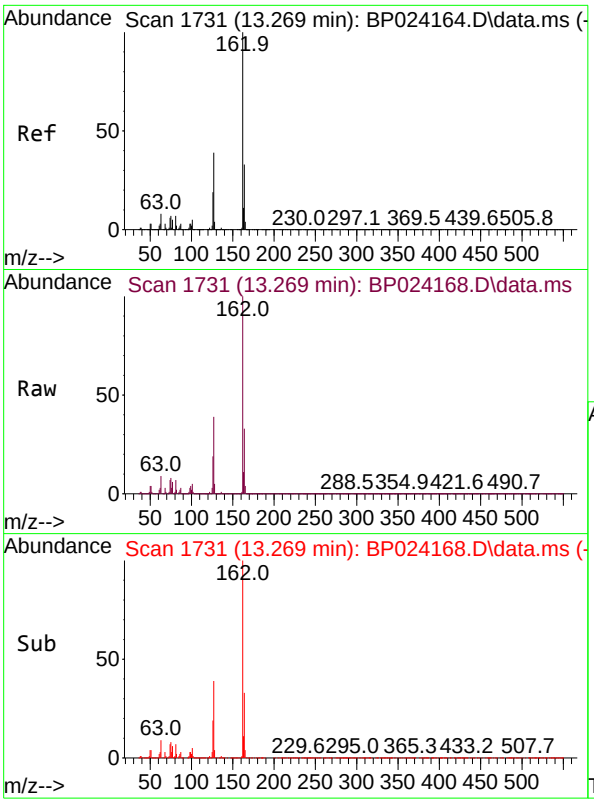




#46
1,1'-Biphenyl
Concen: 38.846 ng
RT: 13.228 min Scan# 1724
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:154 Resp: 2821370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.2 | 20.3 | 60.3 |
| 76 | 13.7 | 0.0 | 32.9 |



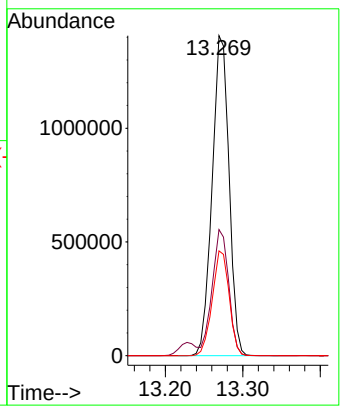


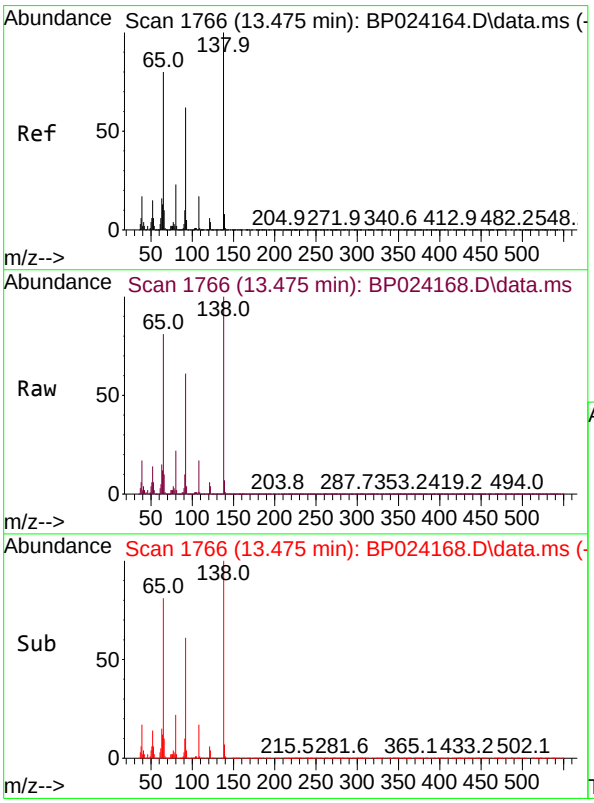

#47
2-Chloronaphthalene
Concen: 39.006 ng
RT: 13.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:162 Resp: 2130879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 39.4 | 31.5 | 47.3 |
| 164 | 32.8 | 26.6 | 39.8 |

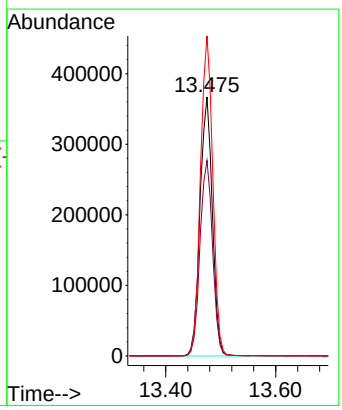


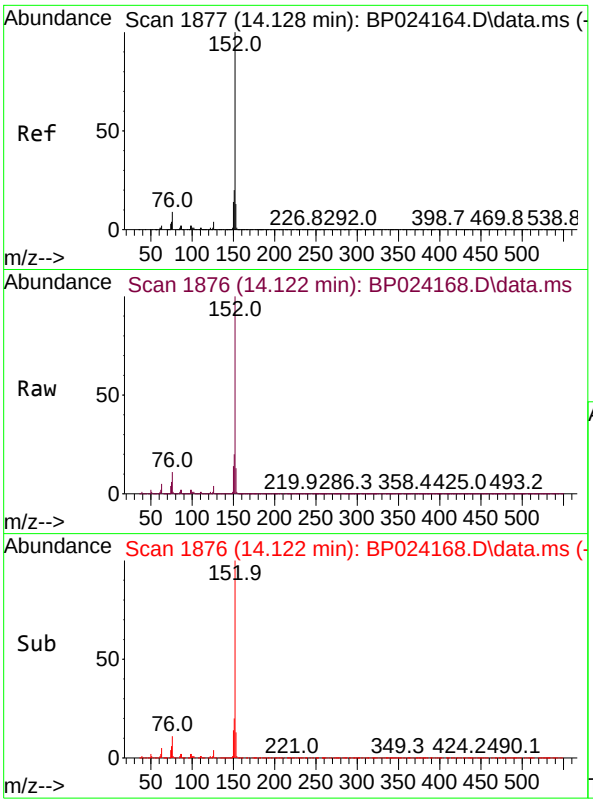




#48
2-Nitroaniline
Concen: 41.137 ng
RT: 13.475 min Scan# 1766
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion: 65 Resp: 574806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 75.5 | 62.1 | 93.1 |
| 138 | 123.5 | 99.5 | 149.3 |



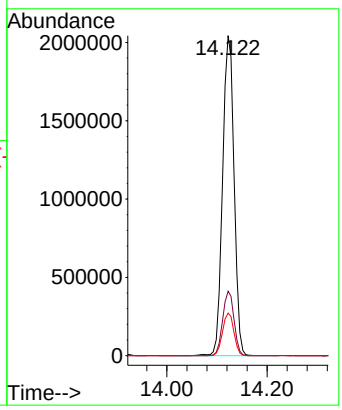


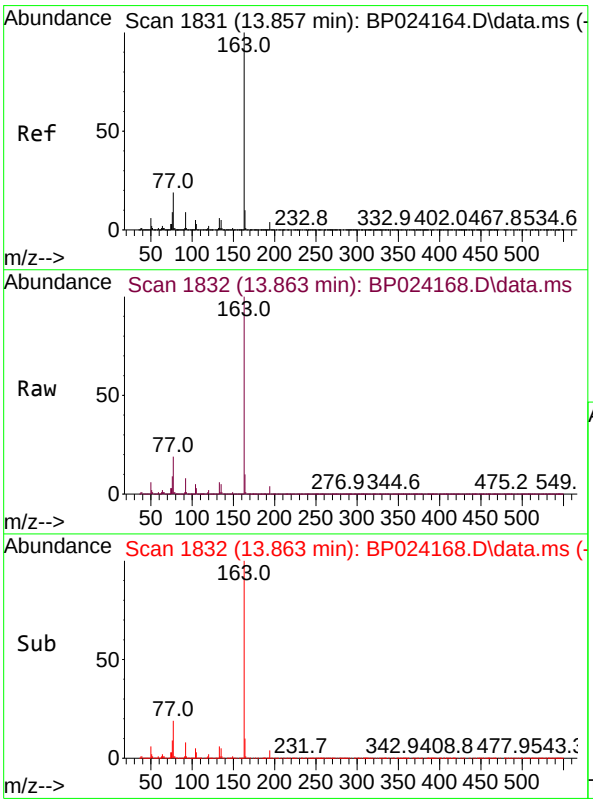

#49
Acenaphthylene
Concen: 39.262 ng
RT: 14.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:152 Resp: 3245488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.0 | 24.0 |
| 153 | 13.3 | 10.6 | 15.8 |

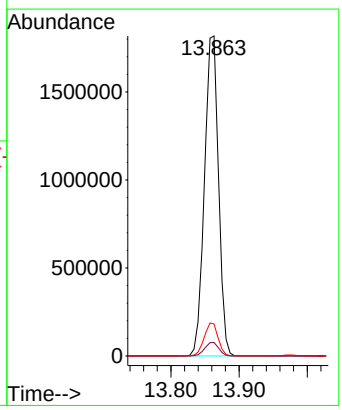


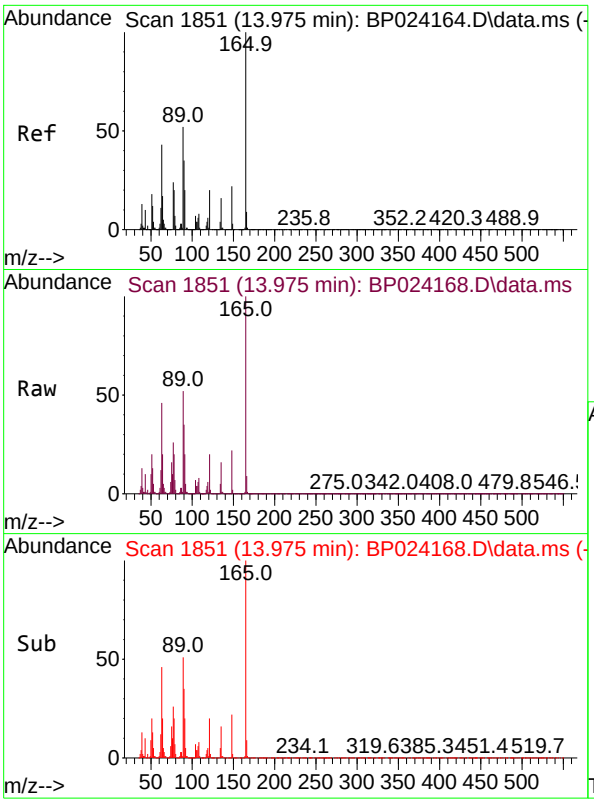




#50
Dimethylphthalate
Concen: 38.548 ng
RT: 13.863 min Scan# 1832
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:163 Resp: 2606961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.4 | 5.0 |
| 164 | 10.0 | 8.2 | 12.4 |



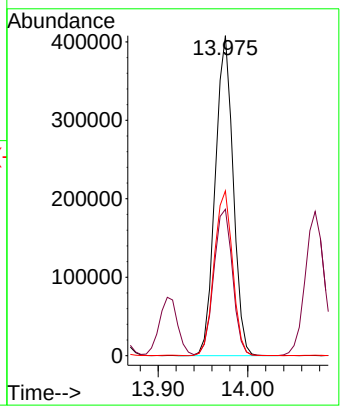


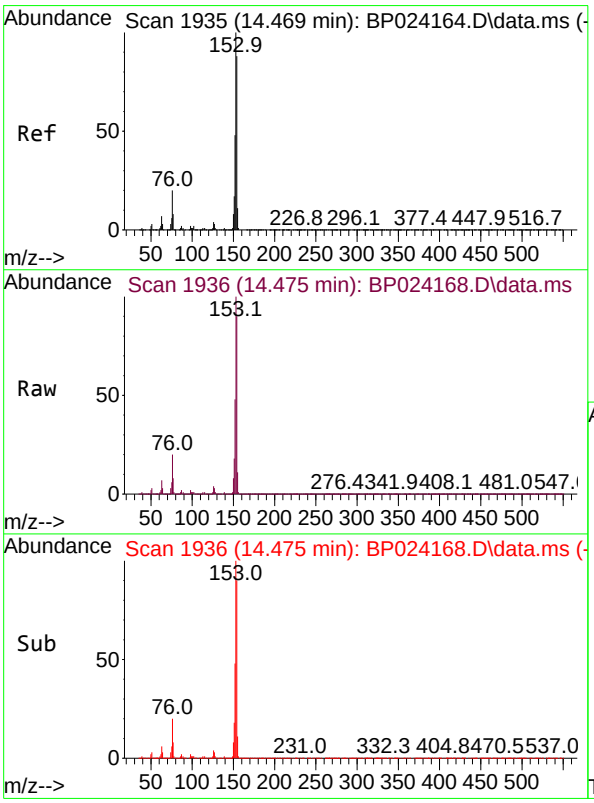

#51
2,6-Dinitrotoluene
Concen: 39.611 ng
RT: 13.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:165 Resp: 563651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 45.8 | 37.7 | 56.5 |
| 89 | 51.5 | 41.9 | 62.9 |

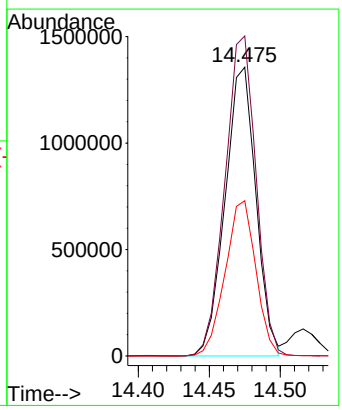


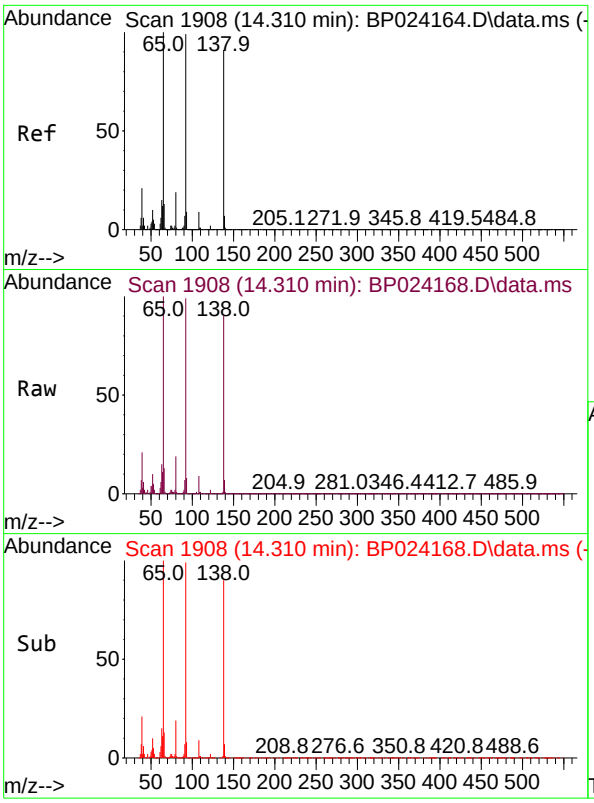




#52
Acenaphthene
Concen: 38.881 ng
RT: 14.475 min Scan# 1936
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:154 Resp: 2053476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 110.8 | 90.5 | 135.7 |
| 152 | 53.7 | 43.1 | 64.7 |



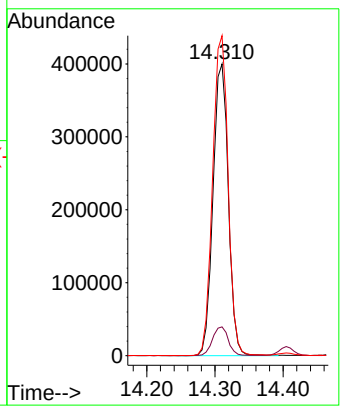


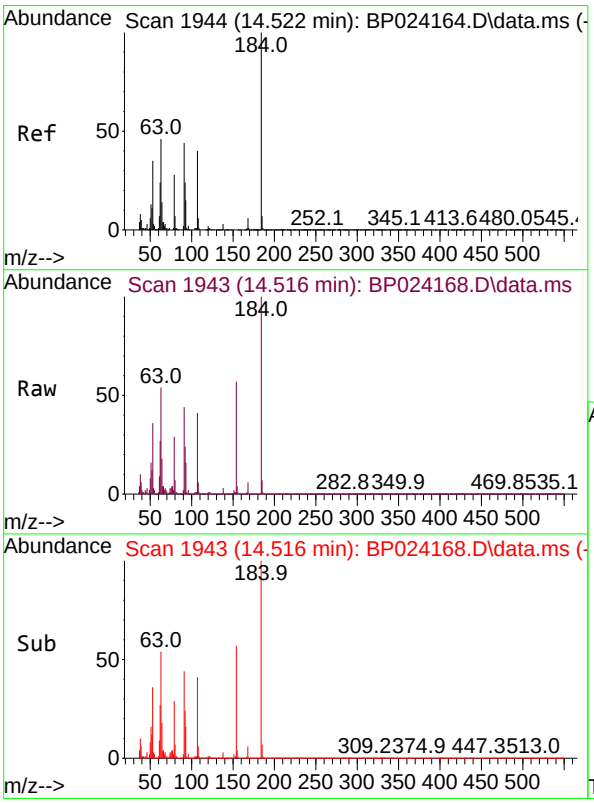

#53
3-Nitroaniline
Concen: 40.719 ng
RT: 14.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:138 Resp: 625803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 9.9 | 8.2 | 12.2 |
| 92 | 109.7 | 86.7 | 130.1 |

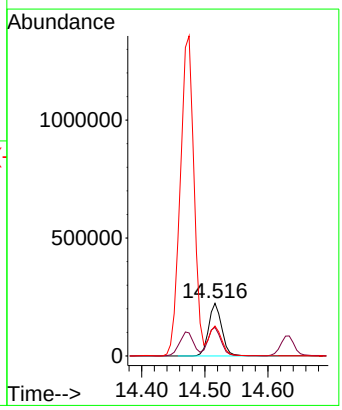


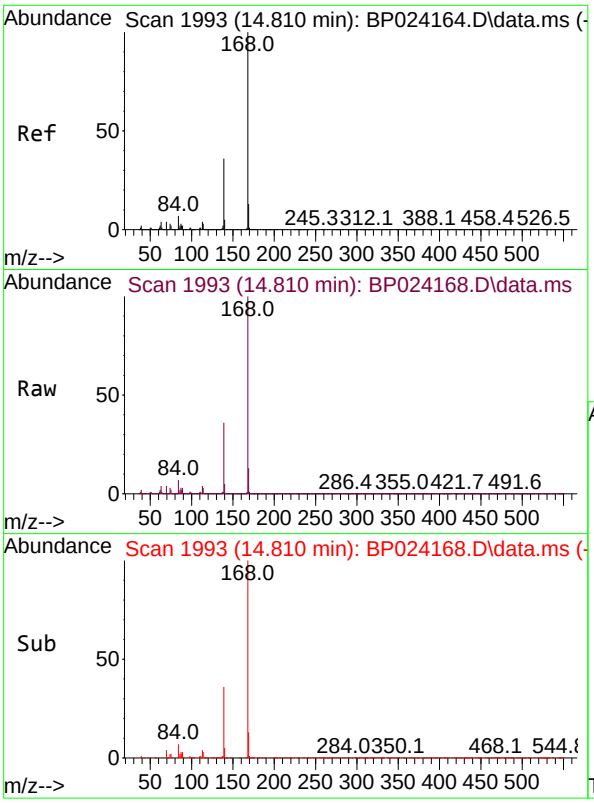




#54
2,4-Dinitrophenol
Concen: 42.791 ng
RT: 14.516 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:184 Resp: 322185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 54.2 | 42.1 | 63.1 |
| 154 | 56.8 | 44.6 | 67.0 |



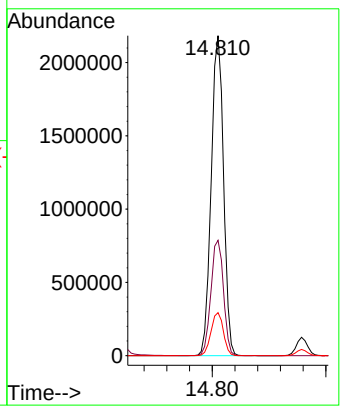


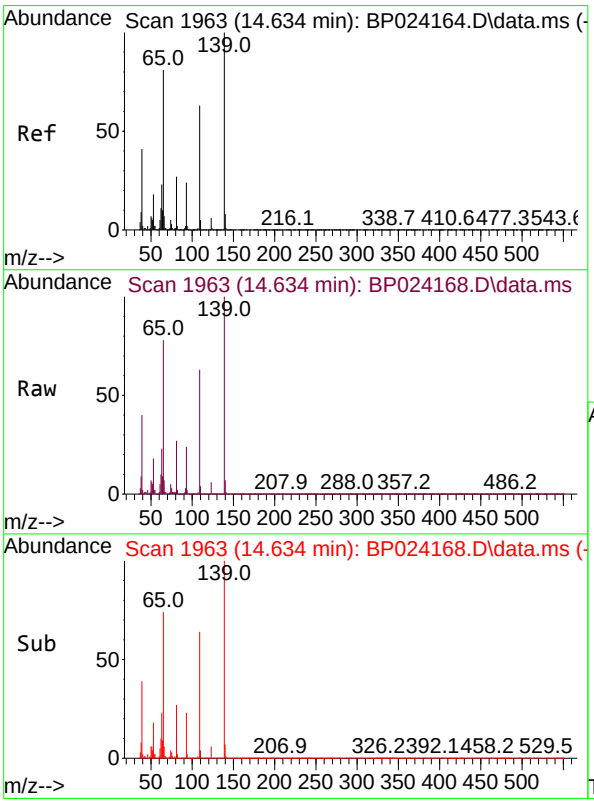

#55
Dibenzofuran
Concen: 38.264 ng
RT: 14.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:168 Resp: 3273448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 36.1 | 29.1 | 43.7 |
| 169 | 13.4 | 10.8 | 16.2 |

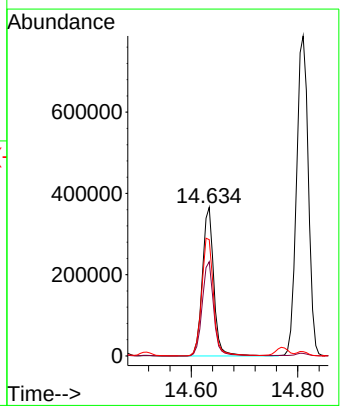


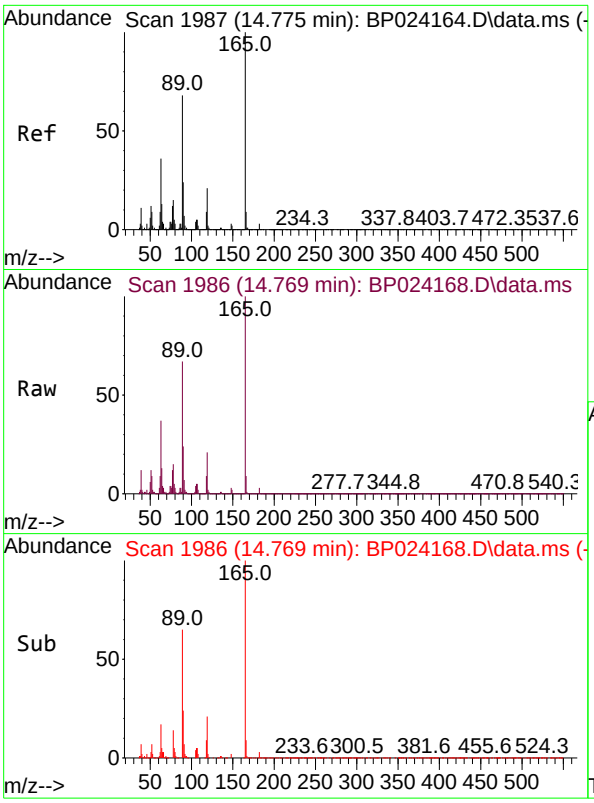




#56
4-Nitrophenol
Concen: 42.293 ng
RT: 14.634 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:139 Resp: 543119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 63.4 | 43.3 | 83.3 |
| 65 | 78.3 | 61.2 | 101.2 |



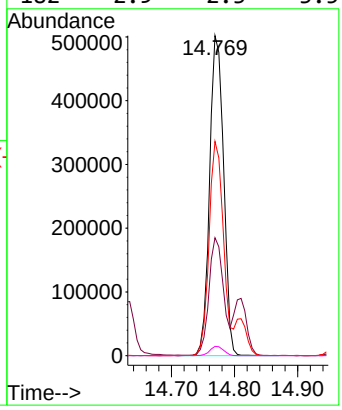


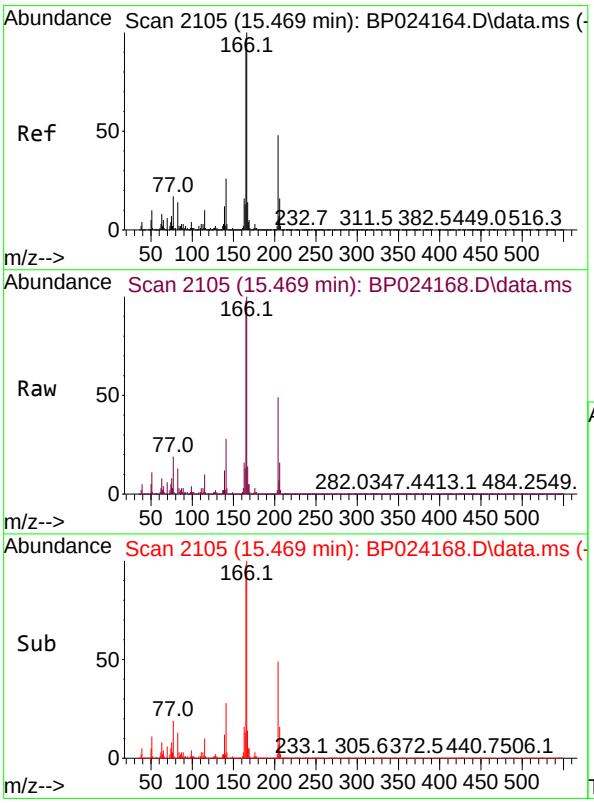

#57
2,4-Dinitrotoluene
Concen: 41.106 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:165 Resp: 772629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 36.9 | 29.0 | 43.6 |
| 89 | 66.9 | 54.2 | 81.4 |
| 182 | 2.9 | 2.3 | 3.5 |

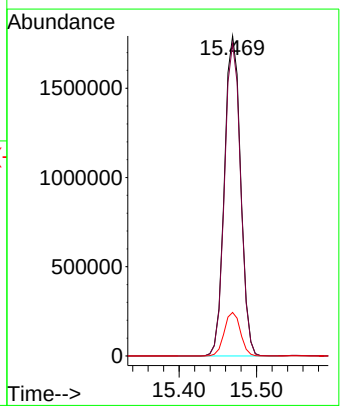


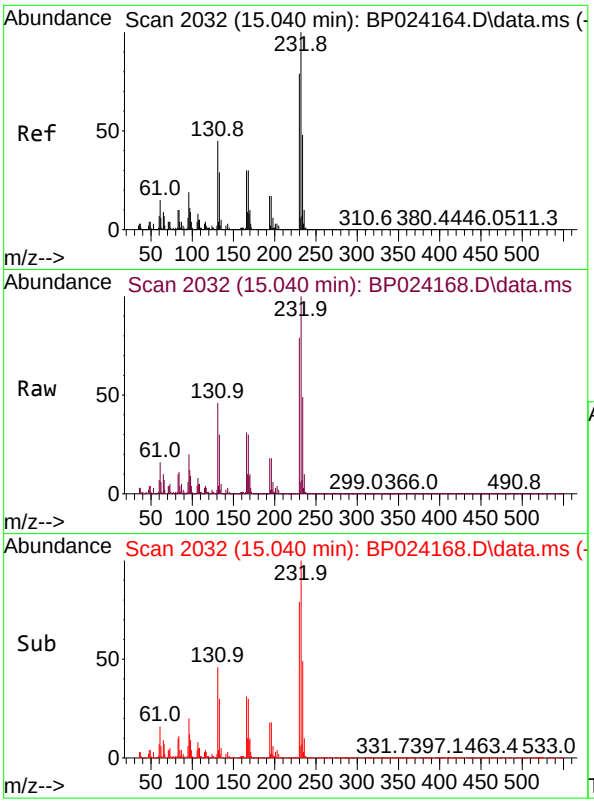




#58
Fluorene
Concen: 39.061 ng
RT: 15.469 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:166 Resp: 2603595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.5 | 77.6 | 116.4 |
| 167 | 13.6 | 10.8 | 16.2 |



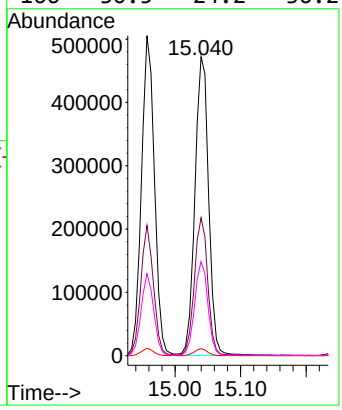


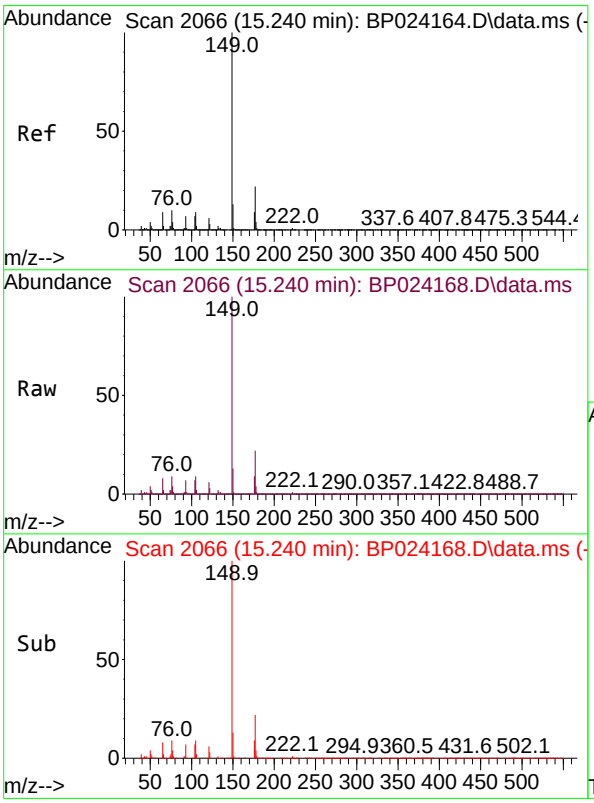

#59
2,3,4,6-Tetrachlorophenol
Concen: 39.844 ng
RT: 15.040 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:232 Resp: 685479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.1 | 35.9 | 53.9 |
| 130 | 2.2 | 1.8 | 2.6 |
| 166 | 30.5 | 24.2 | 36.2 |

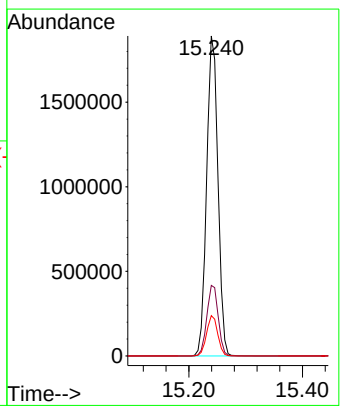


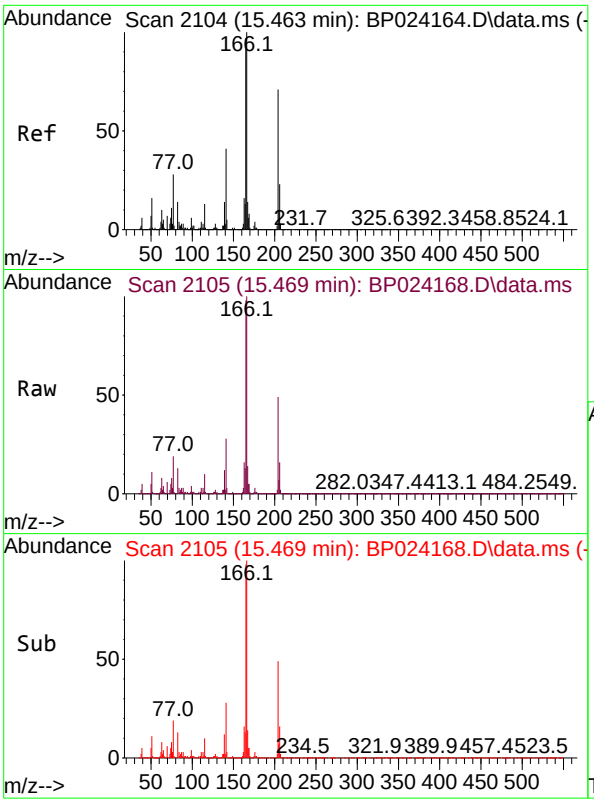




#60
Diethylphthalate
Concen: 38.539 ng
RT: 15.240 min Scan# 2066
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:149 Resp: 2595505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.1 | 17.7 | 26.5 |
| 150 | 12.6 | 10.2 | 15.4 |



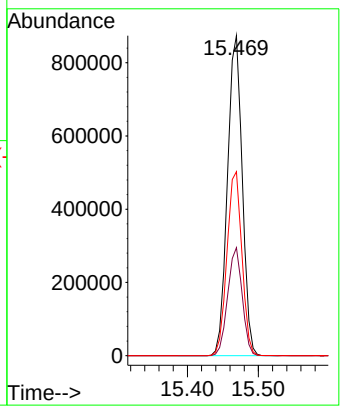


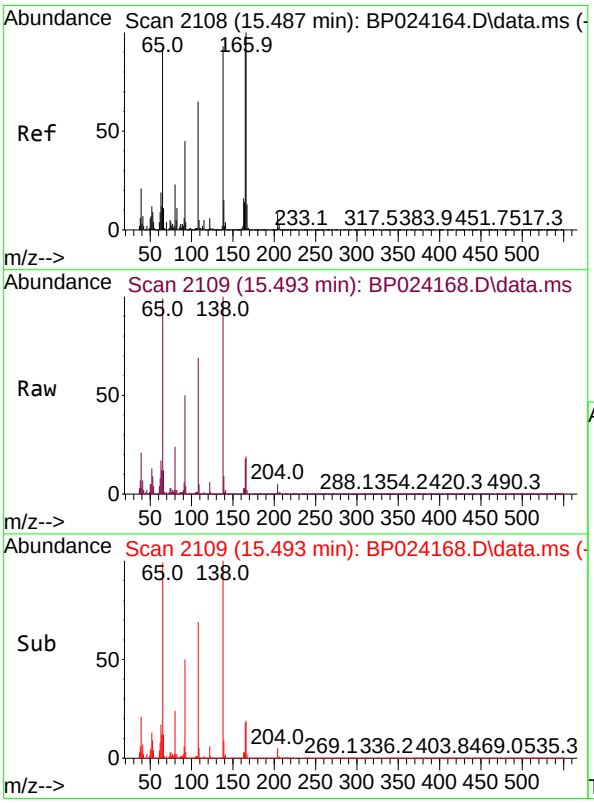

#61
4-Chlorophenyl-phenylether
Concen: 38.572 ng
RT: 15.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:204 Resp: 1261005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.7 | 26.4 | 39.6 |
| 141 | 57.5 | 45.8 | 68.8 |

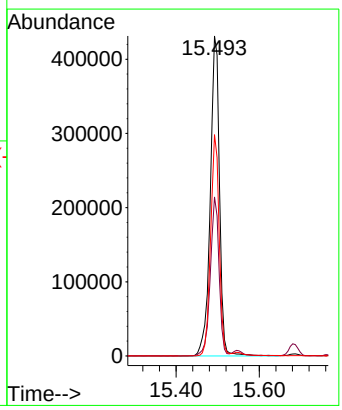


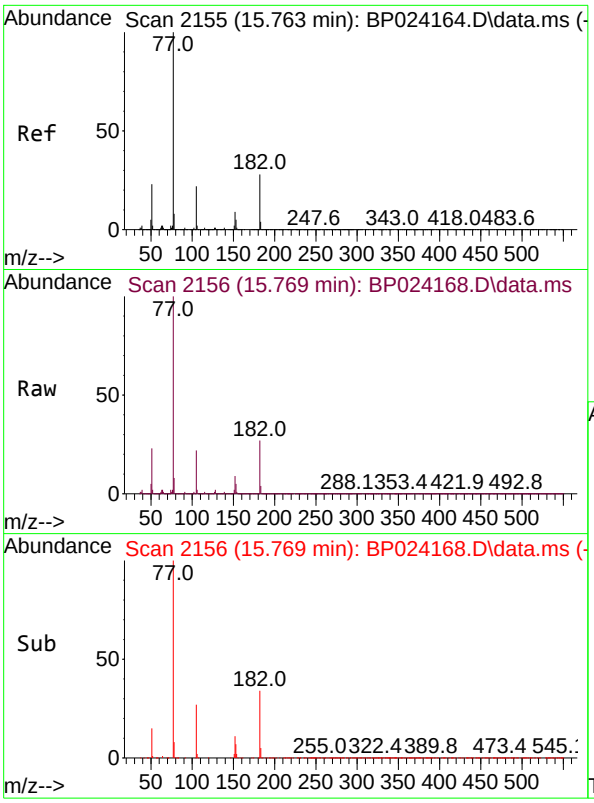




#62
4-Nitroaniline
Concen: 41.253 ng
RT: 15.493 min Scan# 2109
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:138 Resp: 664956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.7 | 28.7 | 68.7 |
| 108 | 69.1 | 49.5 | 89.5 |



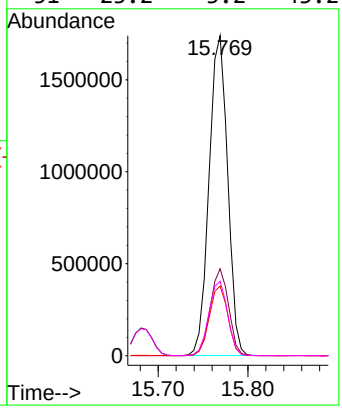


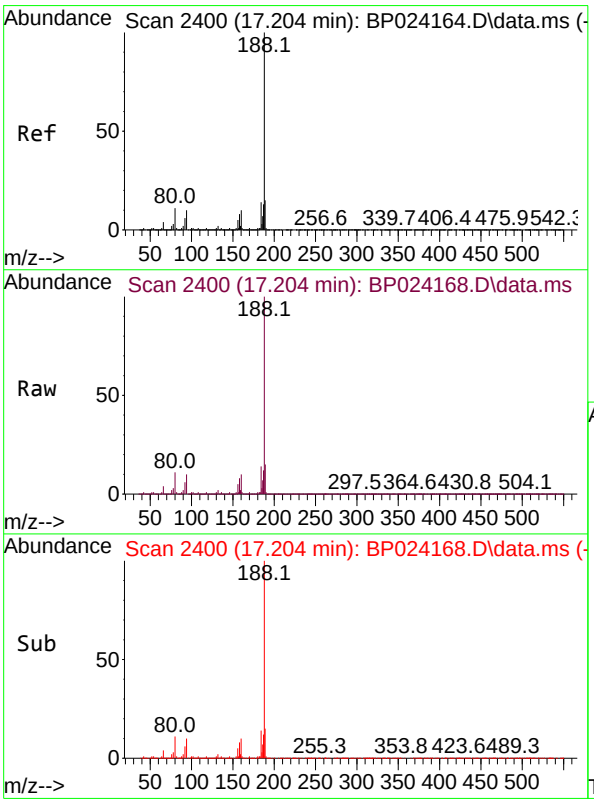

#63
Azobenzene
Concen: 39.347 ng
RT: 15.769 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion: 77 Resp: 2497600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 27.1 | 7.7 | 47.7 |
| 105 | 21.8 | 2.3 | 42.3 |
| 51 | 23.2 | 3.2 | 43.2 |

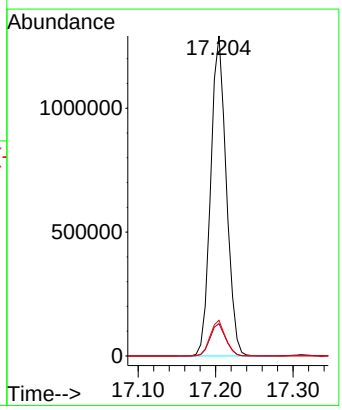


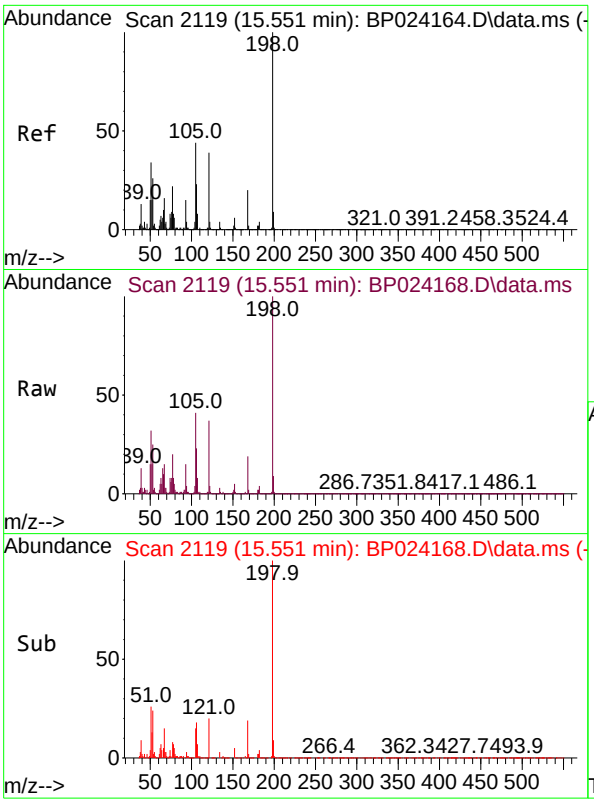




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2400
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:188 Resp: 1810172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.1 | 8.1 | 12.1 |
| 80 | 11.1 | 8.9 | 13.3 |



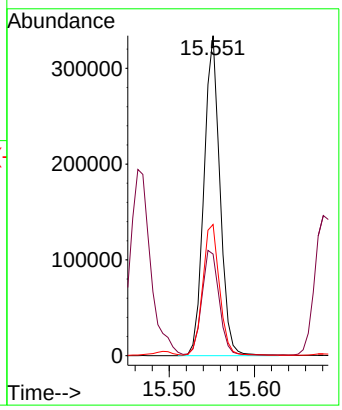


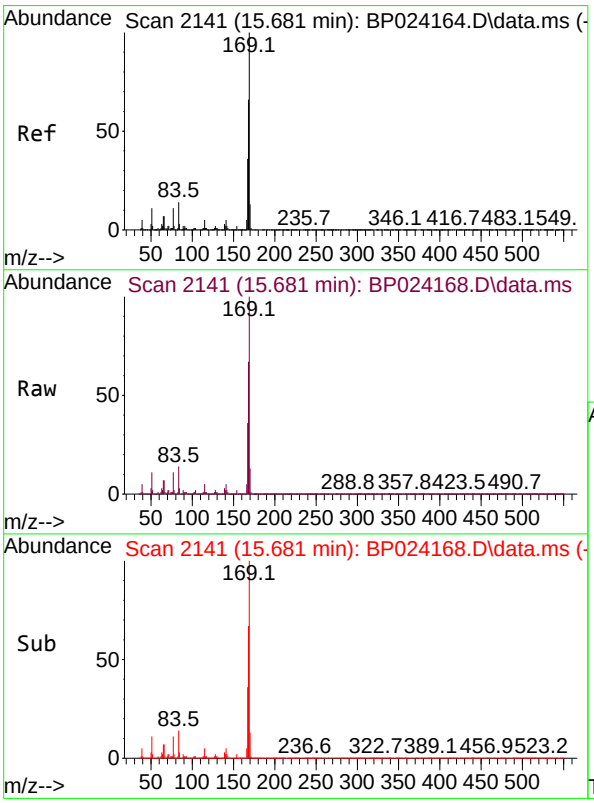

#65
4,6-Dinitro-2-methylphenol
Concen: 40.442 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:198 Resp: 434596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 31.7 | 14.7 | 54.7 |
| 105 | 41.0 | 23.8 | 63.8 |

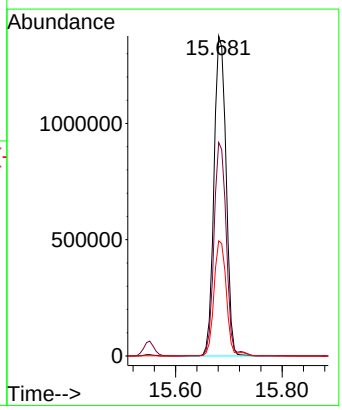


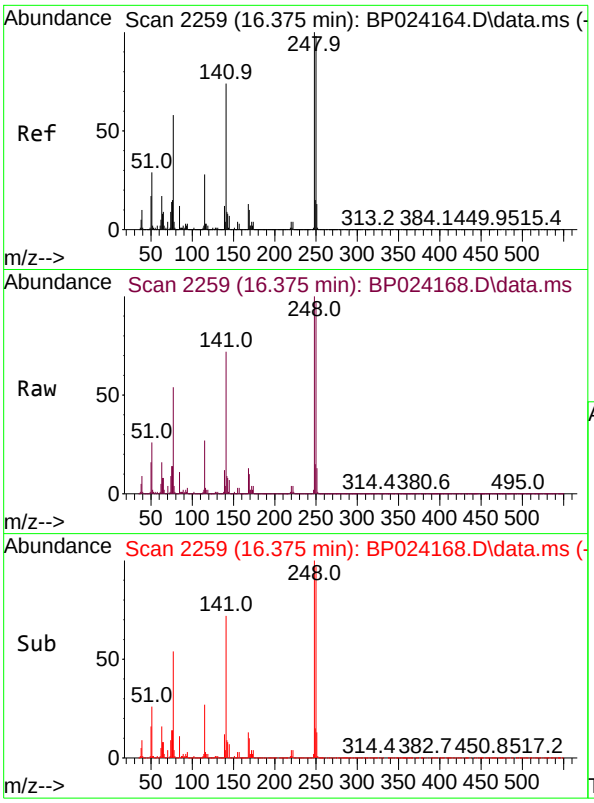




#66
n-Nitrosodiphenylamine
Concen: 39.234 ng
RT: 15.681 min Scan# 2141
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:169 Resp: 2156617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.7 | 52.9 | 79.3 |
| 167 | 35.9 | 28.8 | 43.2 |



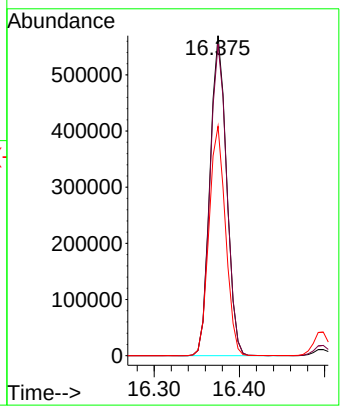


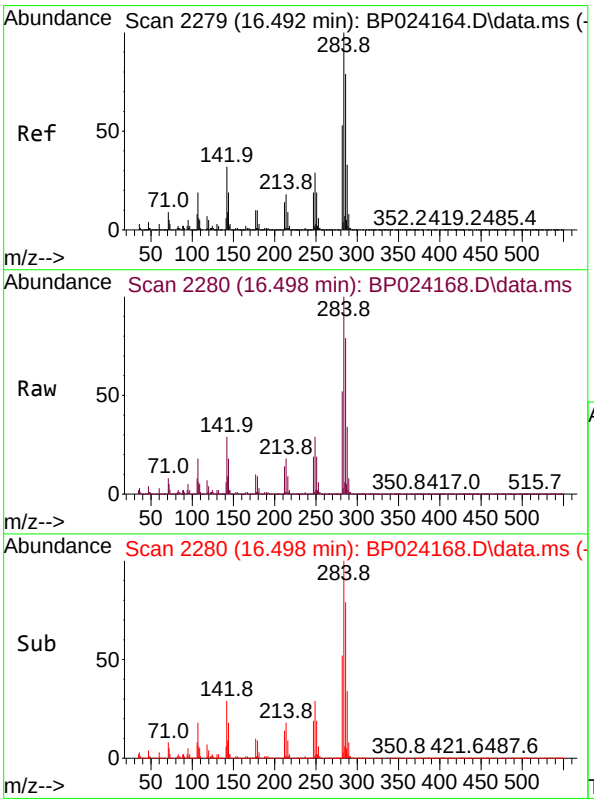

#67
4-Bromophenyl-phenylether
Concen: 38.892 ng
RT: 16.375 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:248 Resp: 772937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.3 | 78.4 | 117.6 |
| 141 | 71.7 | 59.4 | 89.0 |

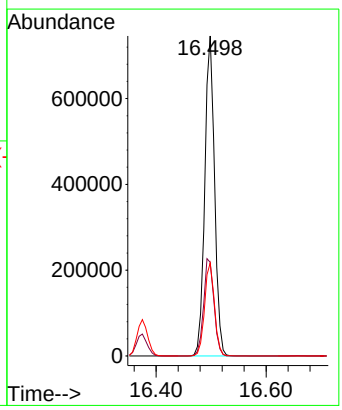


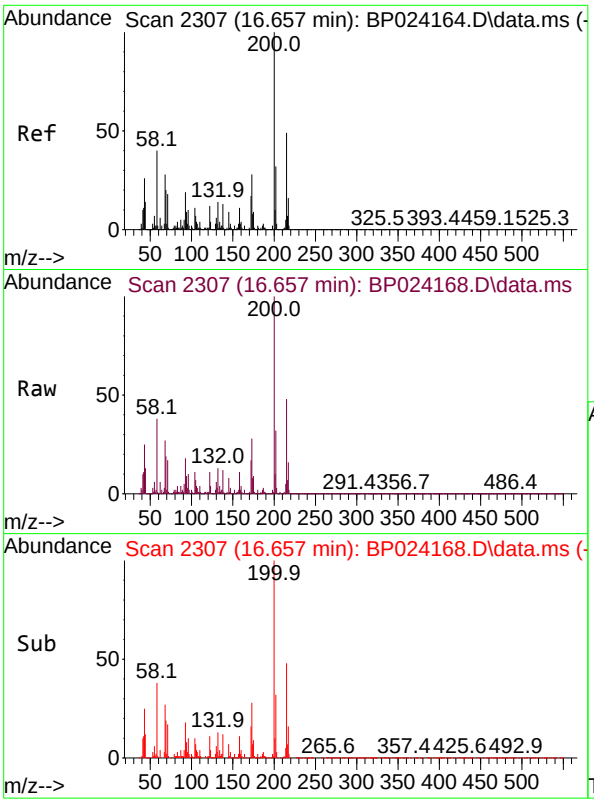




#68
Hexachlorobenzene
Concen: 39.073 ng
RT: 16.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:284 Resp: 919105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 29.3 | 25.4 | 38.2 |
| 249 | 29.1 | 23.5 | 35.3 |



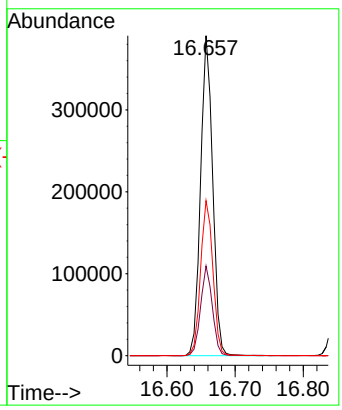


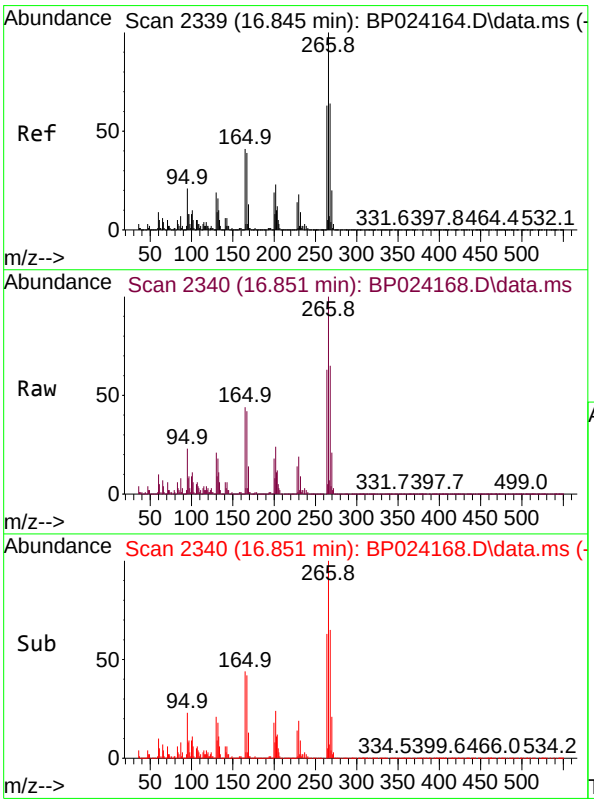

#69
Atrazine
Concen: 36.287 ng
RT: 16.657 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:200 Resp: 481443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 28.1 | 7.6 | 47.6 |
| 215 | 48.5 | 29.0 | 69.0 |

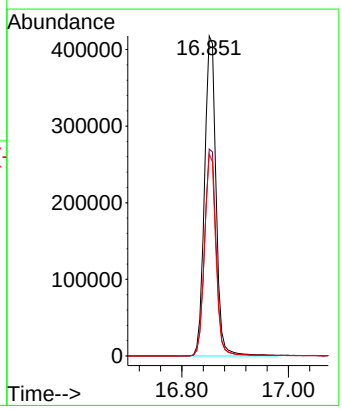


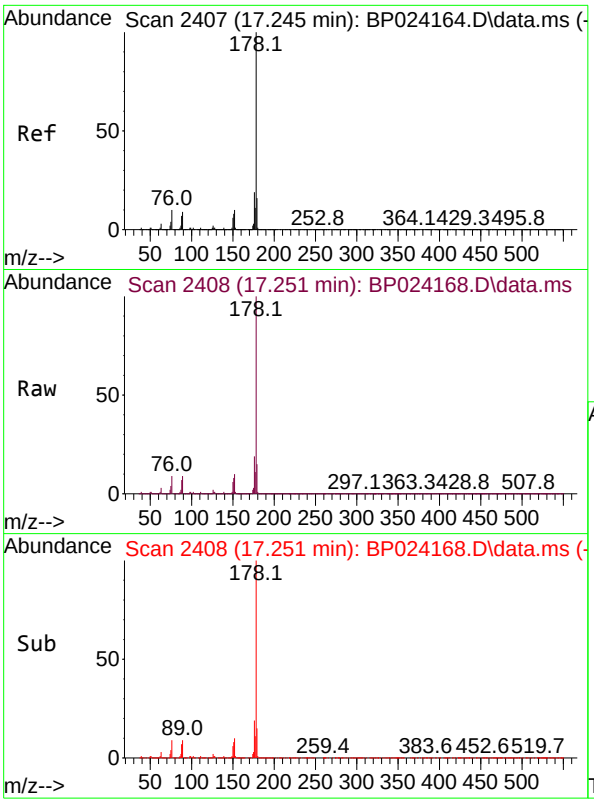




#70
Pentachlorophenol
Concen: 41.161 ng
RT: 16.851 min Scan# 2340
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:266 Resp: 626146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.6 | 51.3 | 76.9 |
| 264 | 63.1 | 50.6 | 76.0 |



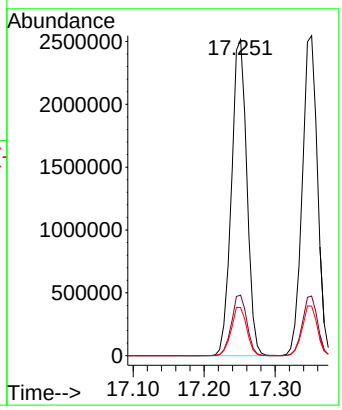


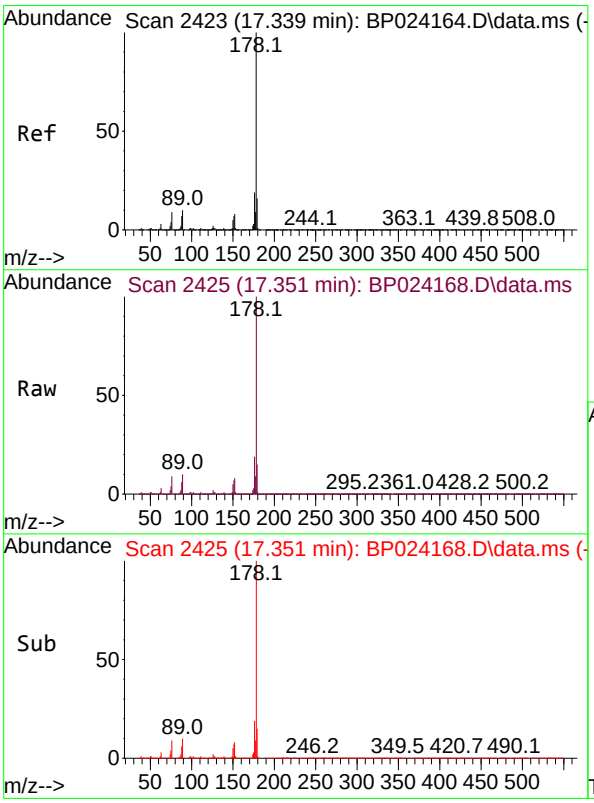

#71
Phenanthrene
Concen: 38.379 ng
RT: 17.251 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:178 Resp: 3795212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.6 | 23.4 |
| 179 | 15.2 | 12.5 | 18.7 |

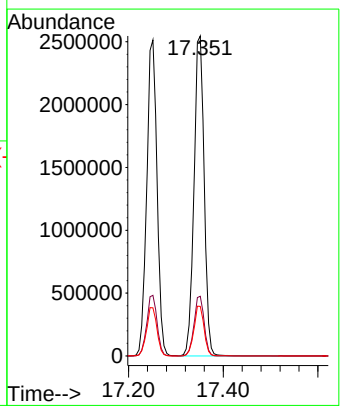


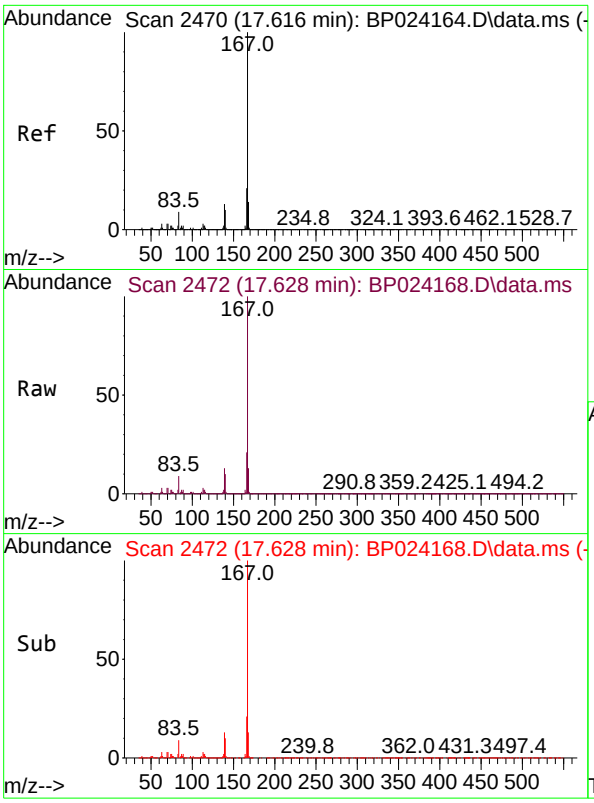




#72
Anthracene
Concen: 39.358 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:178 Resp: 3790779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.2 | 22.8 |
| 179 | 15.5 | 12.6 | 18.8 |



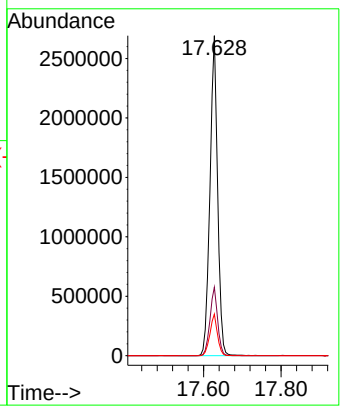


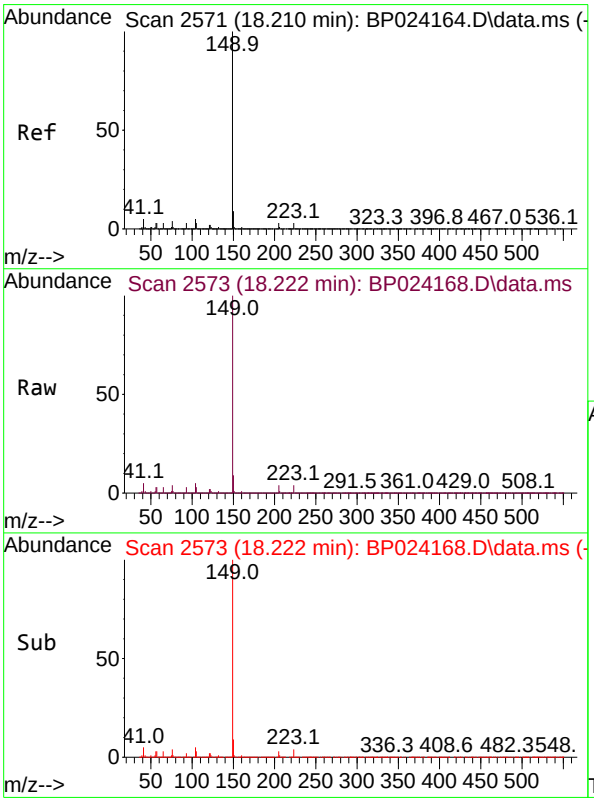

#73
Carbazole
Concen: 39.665 ng
RT: 17.628 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:167 Resp: 3684202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.4 | 17.1 | 25.7 |
| 139 | 13.0 | 10.2 | 15.4 |

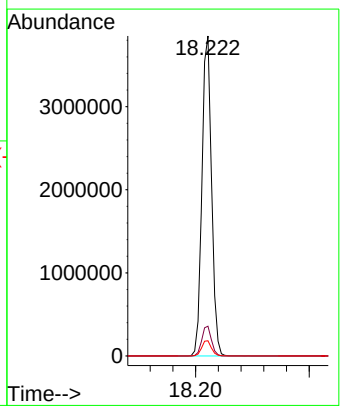


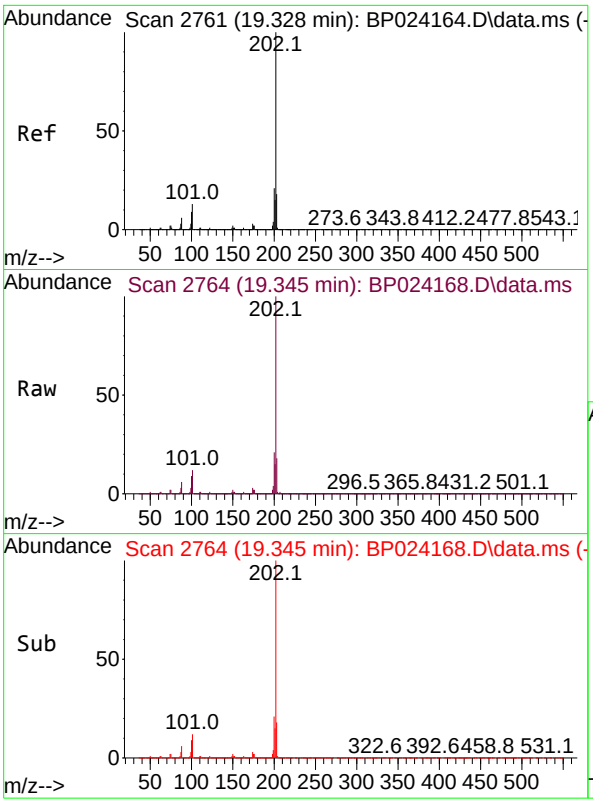




#74
Di-n-butylphthalate
Concen: 40.866 ng
RT: 18.222 min Scan# 2573
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:149 Resp: 4505984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.3 | 7.6 | 11.4 |
| 104 | 4.8 | 3.9 | 5.9 |



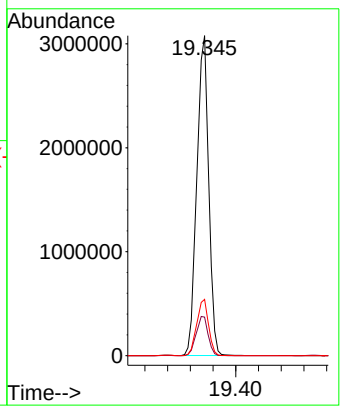


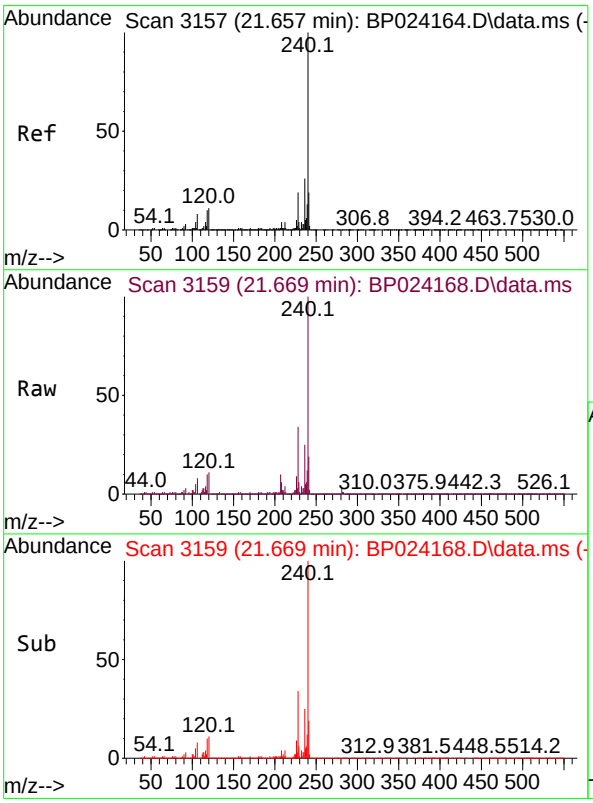

#75
Fluoranthene
Concen: 39.006 ng
RT: 19.345 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:202 Resp: 4467370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.1 | 0.0 | 32.5 |
| 203 | 17.6 | 0.0 | 37.9 |

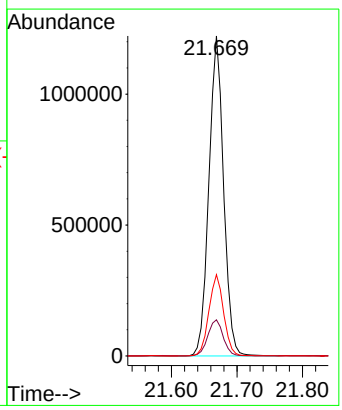


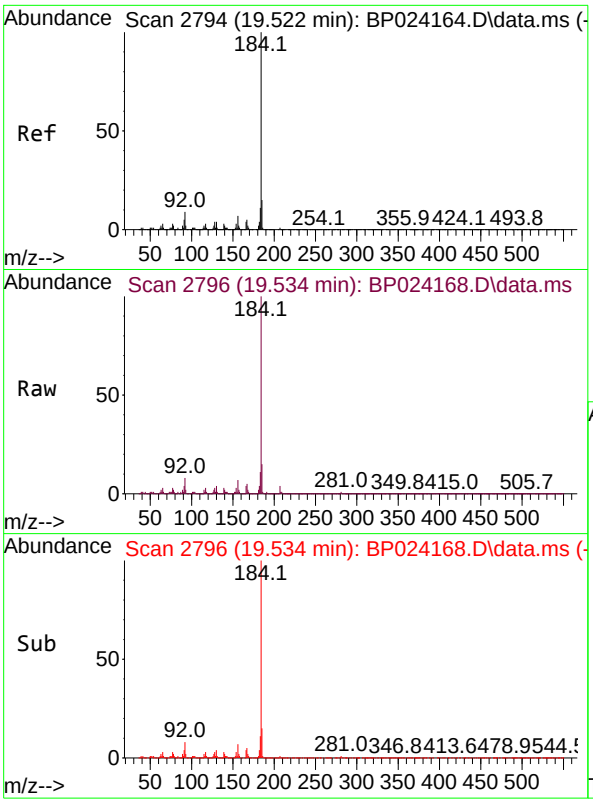




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.669 min Scan# 3159
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:240 Resp: 1903114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.3 | 9.2 | 13.8 |
| 236 | 25.4 | 20.4 | 30.6 |



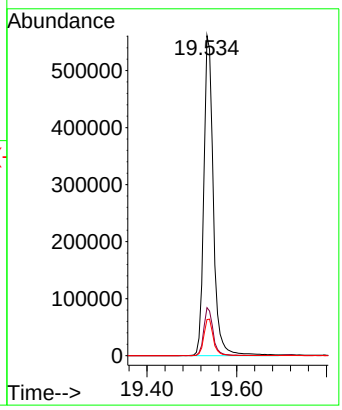


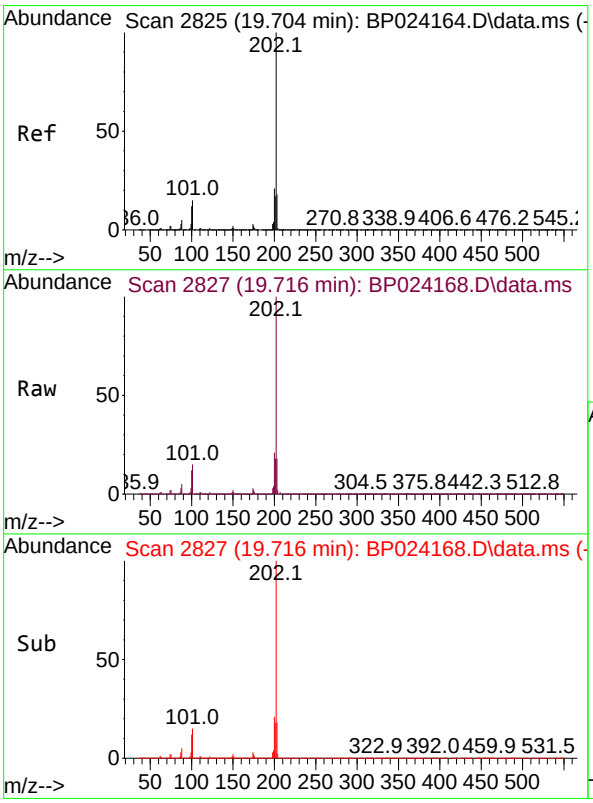

#77
Benzidine
Concen: 39.777 ng
RT: 19.534 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:184 Resp: 827654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.0 | 11.8 | 17.6 |
| 183 | 11.3 | 9.1 | 13.7 |

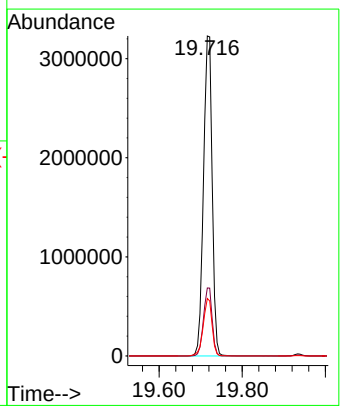


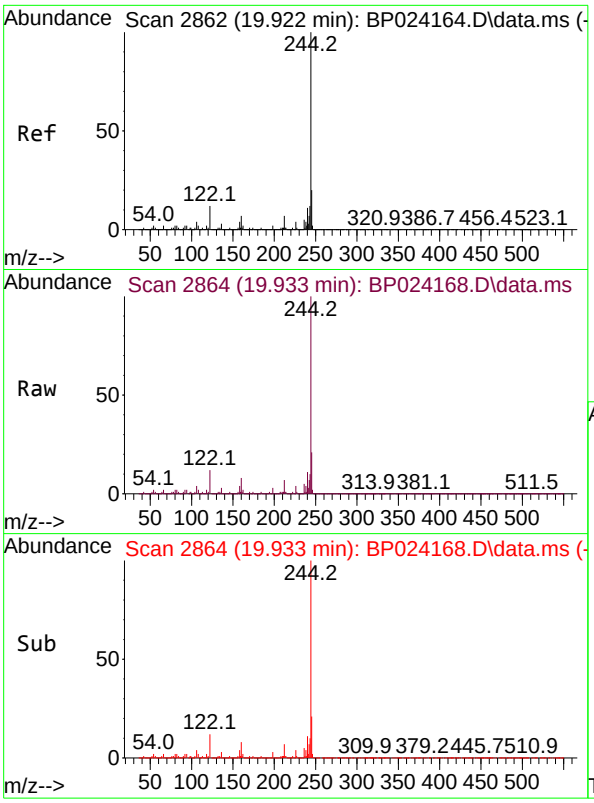




#78
Pyrene
Concen: 39.565 ng
RT: 19.716 min Scan# 2827
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:202 Resp: 4681182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 17.1 | 25.7 |
| 203 | 17.9 | 14.2 | 21.4 |



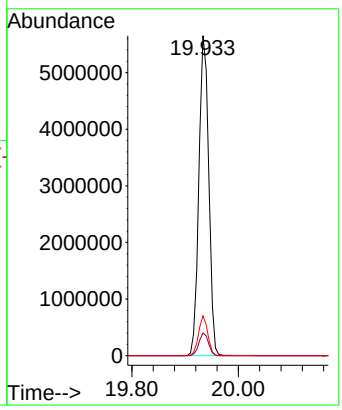


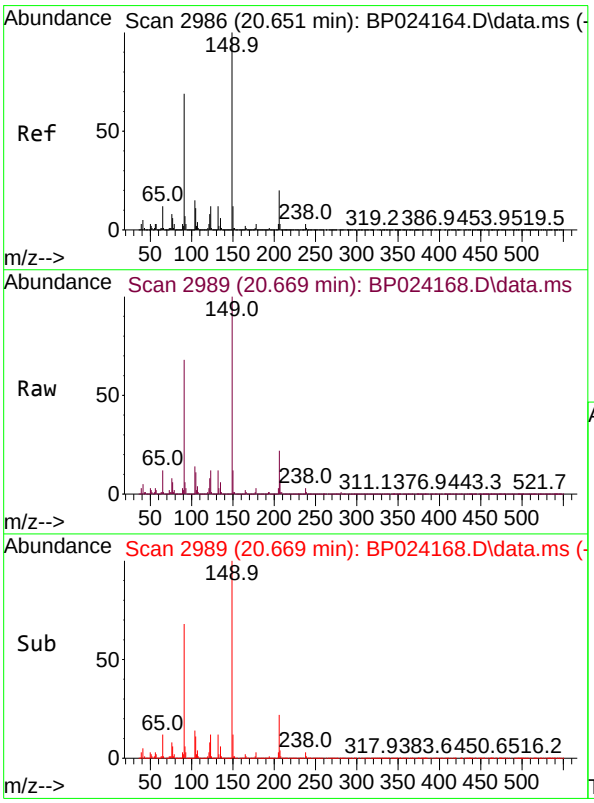

#79
Terphenyl-d14
Concen: 78.549 ng
RT: 19.933 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:244 Resp: 7241807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.7 | 8.5 |
| 122 | 12.5 | 9.6 | 14.4 |

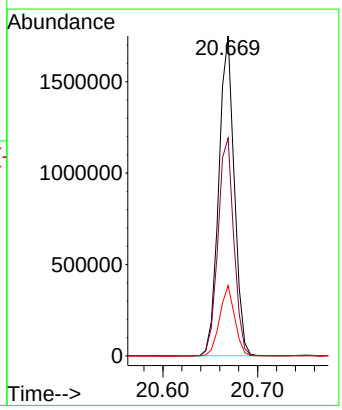


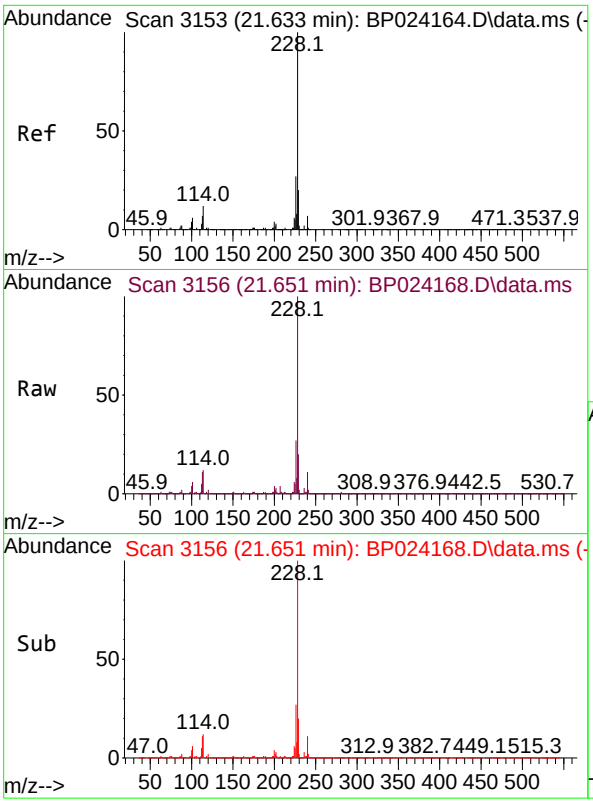




#80
Butylbenzylphthalate
Concen: 40.824 ng
RT: 20.669 min Scan# 2989
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:149 Resp: 1991838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 68.1 | 55.3 | 82.9 |
| 206 | 22.0 | 16.1 | 24.1 |



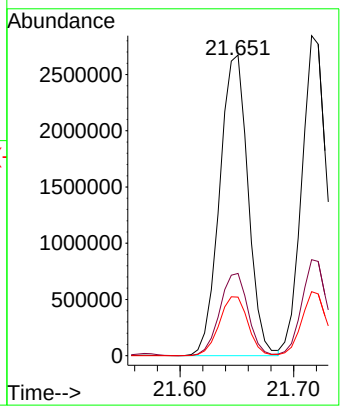


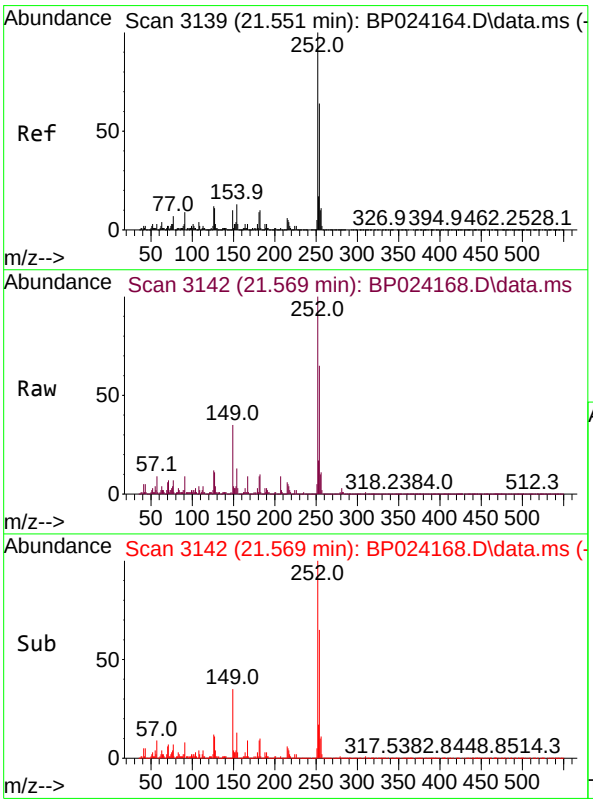

#81
Benzo(a)anthracene
Concen: 39.318 ng
RT: 21.651 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:228 Resp: 4652183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.4 | 21.8 | 32.8 |
| 229 | 19.5 | 16.0 | 24.0 |

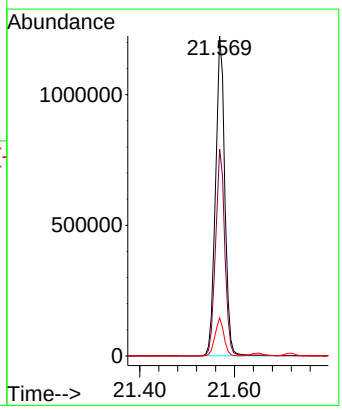


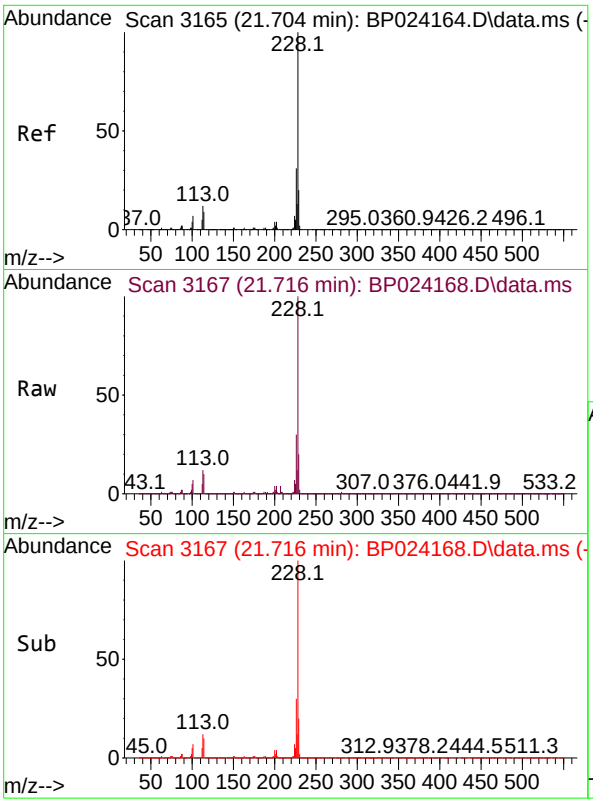




#82
3,3'-Dichlorobenzidine
Concen: 41.750 ng
RT: 21.569 min Scan# 3142
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:252 Resp: 1655655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.7 | 51.4 | 77.2 |
| 126 | 11.9 | 9.3 | 13.9 |



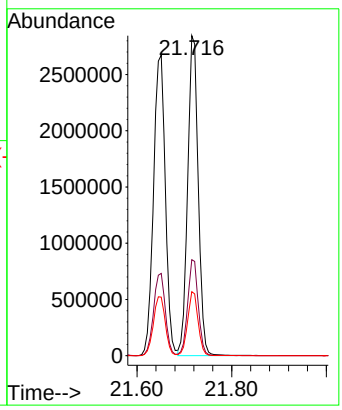


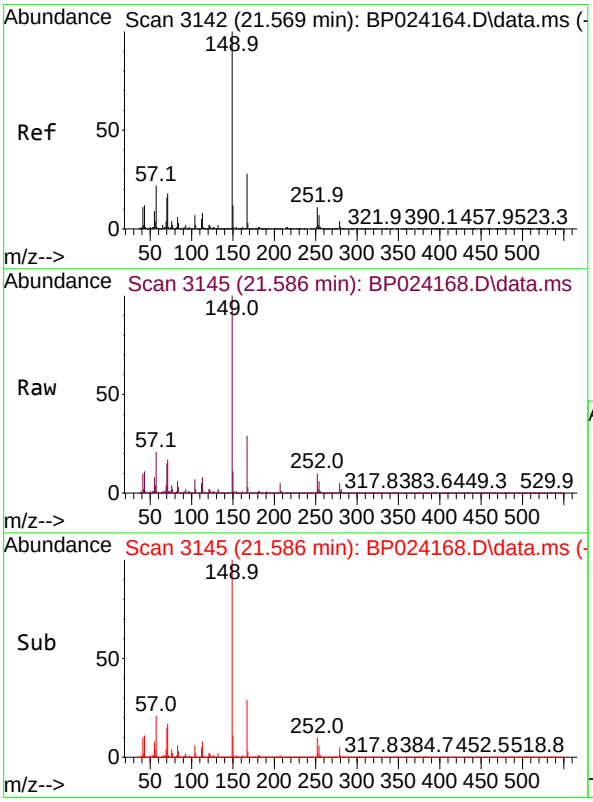

#83
Chrysene
Concen: 38.624 ng
RT: 21.716 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:228 Resp: 4393252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.0 | 24.5 | 36.7 |
| 229 | 20.0 | 16.2 | 24.2 |

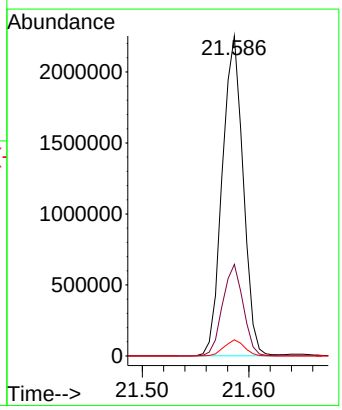


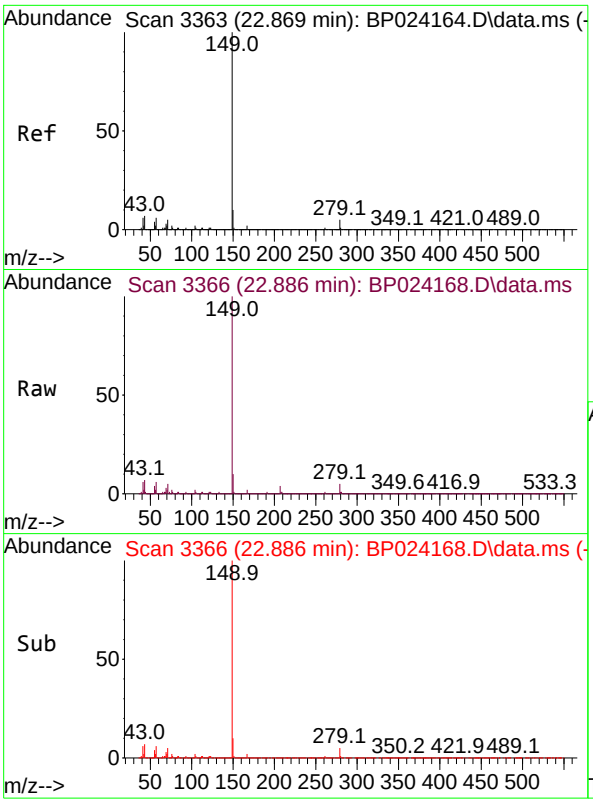




#84
Bis(2-ethylhexyl)phthalate
Concen: 41.569 ng
RT: 21.586 min Scan# 3145
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:149 Resp: 3060349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.6 | 22.5 | 33.7 |
| 279 | 5.1 | 3.6 | 5.4 |



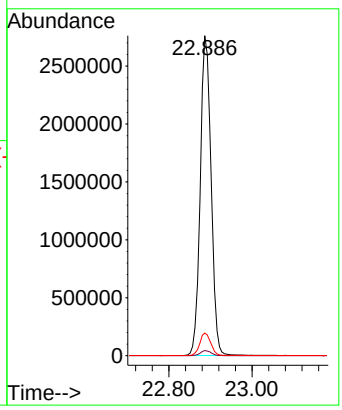


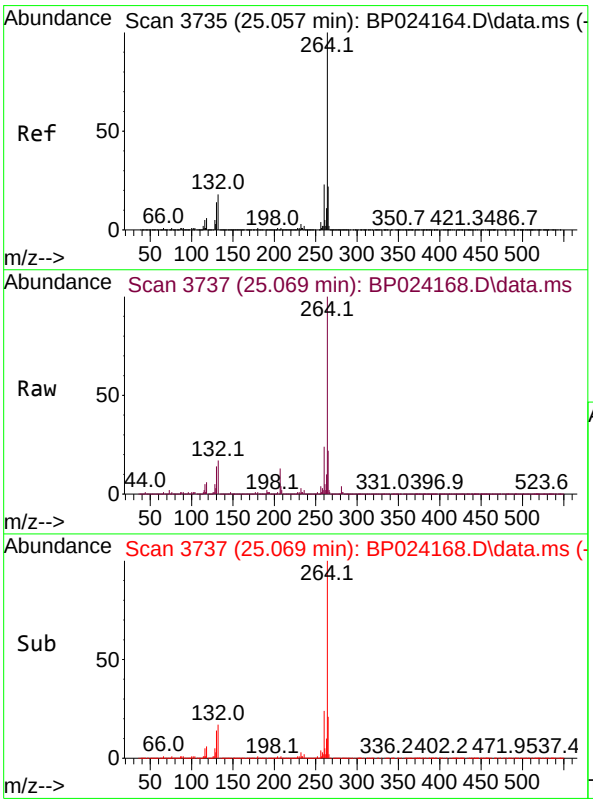

#85
Di-n-octyl phthalate
Concen: 42.452 ng
RT: 22.886 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:149 Resp: 5007462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 7.2 | 5.8 | 8.8 |

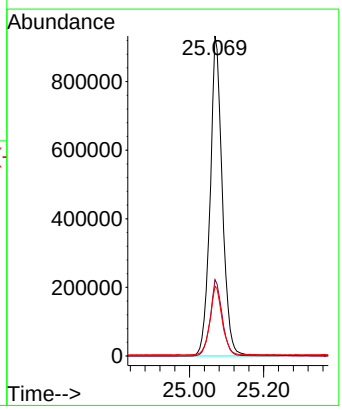


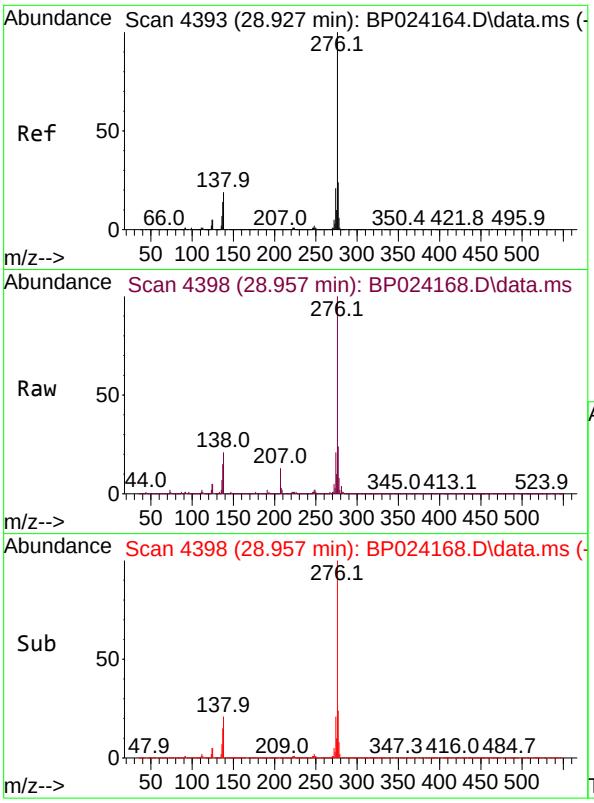




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.069 min Scan# 3737
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:264 Resp: 2127367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 18.5 | 27.7 |
| 265 | 21.8 | 17.7 | 26.5 |



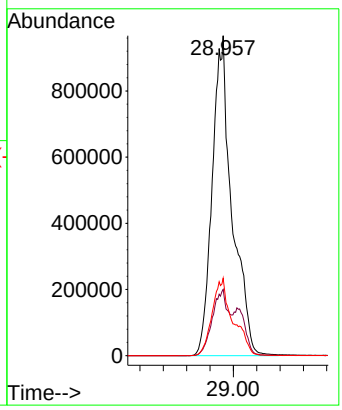


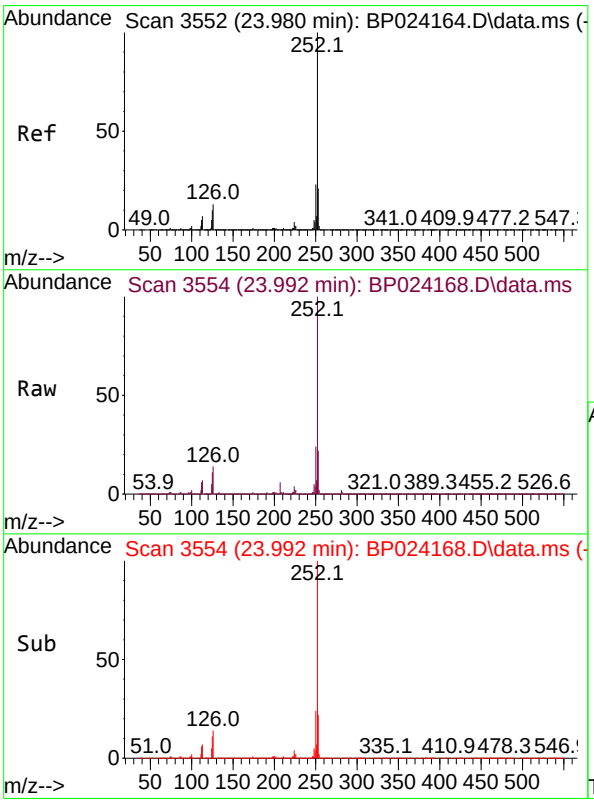

#87
Indeno(1,2,3-cd)pyrene
Concen: 38.387 ng
RT: 28.957 min Scan# 4
Delta R.T. 0.029 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:276 Resp: 5699470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.8 | 13.7 | 20.5 |
| 277 | 25.3 | 20.2 | 30.2 |

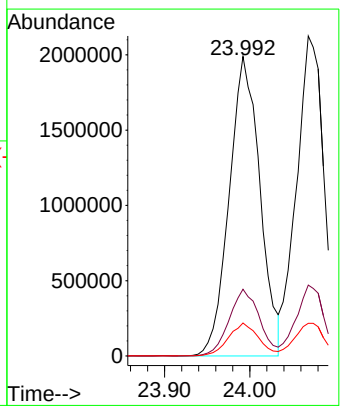


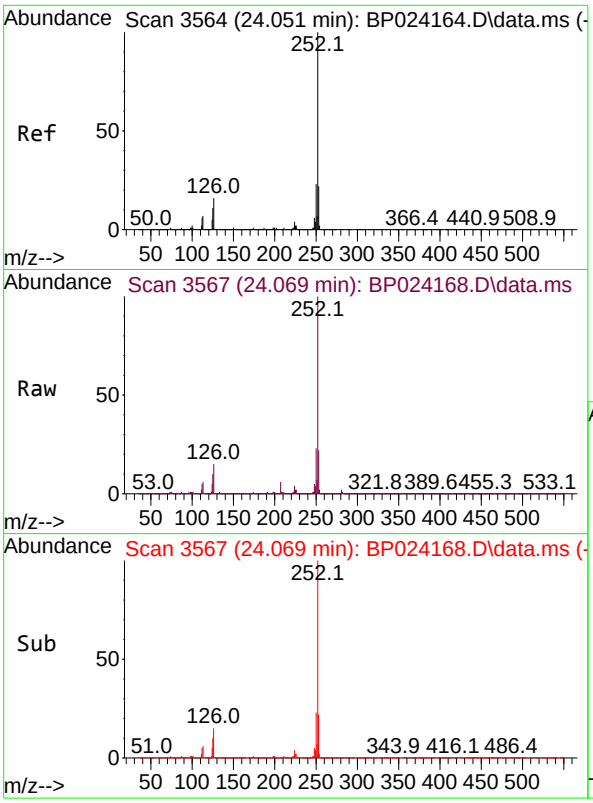




#88
Benzo(b)fluoranthene
Concen: 38.891 ng
RT: 23.992 min Scan# 3554
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:252 Resp: 4988392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.2 | 25.8 |
| 125 | 11.0 | 8.2 | 12.4 |



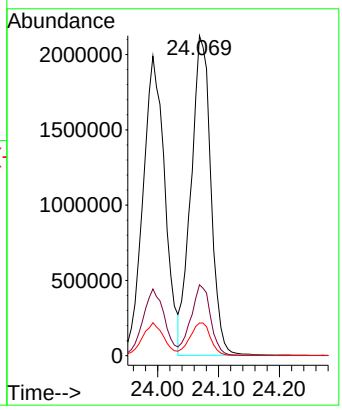


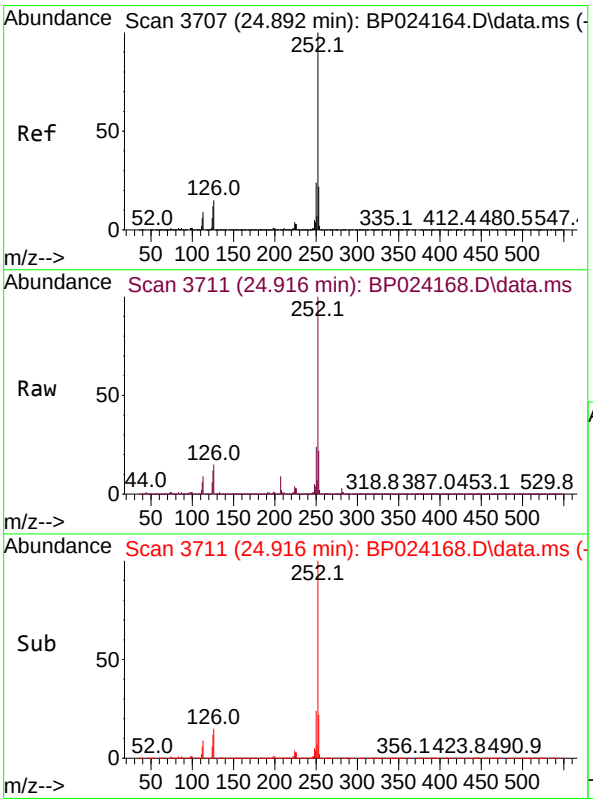

#89
Benzo(k)fluoranthene
Concen: 38.280 ng
RT: 24.069 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:252 Resp: 4803010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.7 | 26.5 |
| 125 | 10.2 | 9.1 | 13.7 |

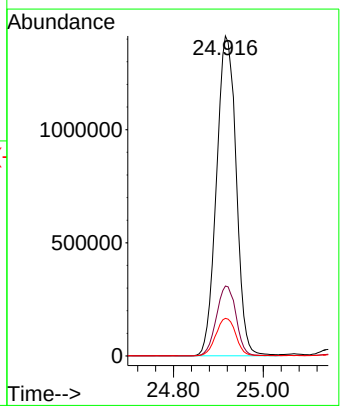


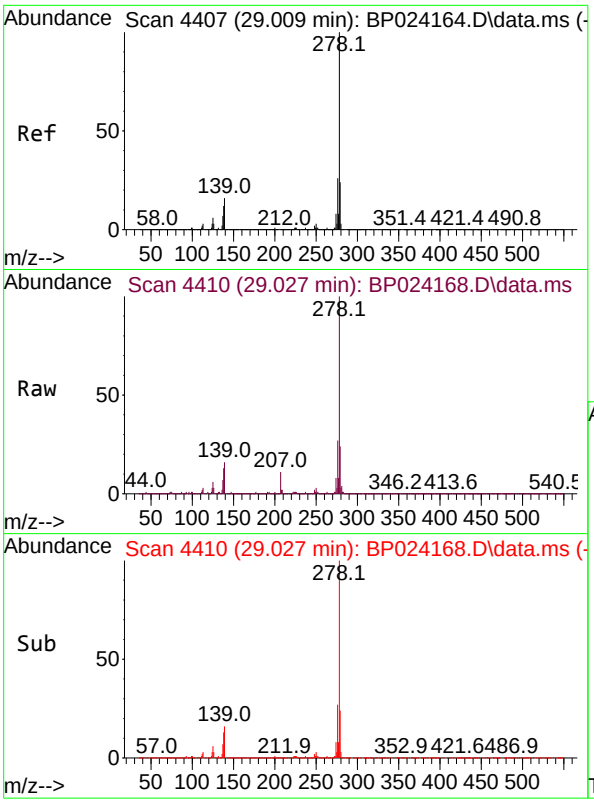




#90
Benzo(a)pyrene
Concen: 38.607 ng
RT: 24.916 min Scan# 3711
Delta R.T. 0.024 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:252 Resp: 4306060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.4 | 26.0 |
| 125 | 11.8 | 9.6 | 14.4 |



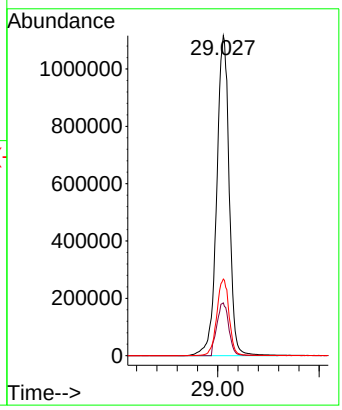


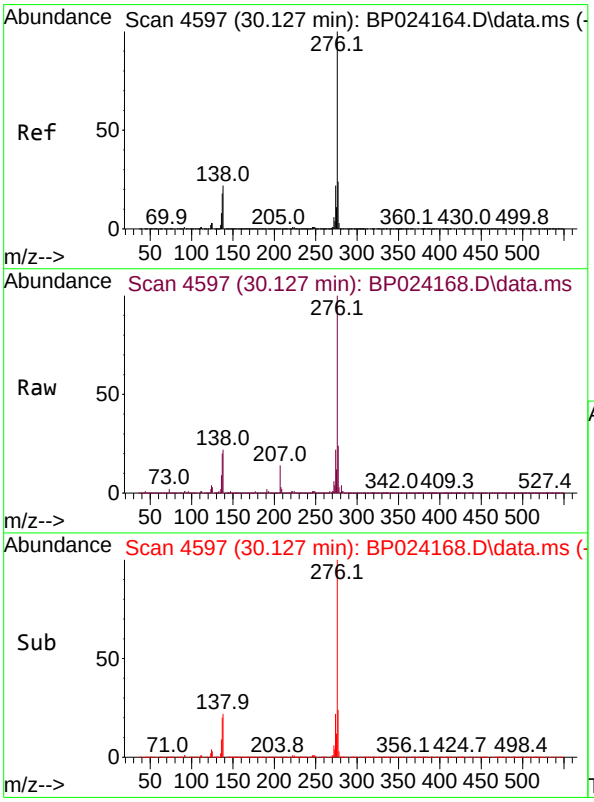

#91
Dibenzo(a,h)anthracene
Concen: 38.474 ng
RT: 29.027 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

Tgt Ion:278 Resp: 4752357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.5 | 13.0 | 19.4 |
| 279 | 24.0 | 18.8 | 28.2 |

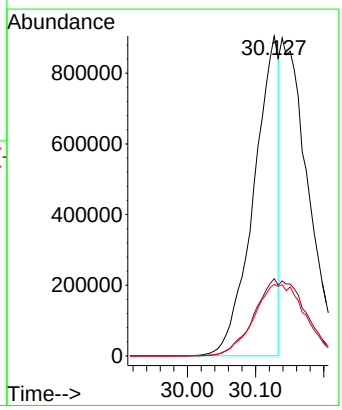



#92
Benzo(g,h,i)perylene
Concen: 18.332 ng
RT: 30.127 min Scan# 4597
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:276 Resp: 2301898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.1 | 19.2 | 28.8 |
| 138 | 22.4 | 17.4 | 26.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024211.D
Acq On : 08 Apr 2025 13:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Quant Time: Apr 08 14:08:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.734 | 152 | 417672 | 20.000 | ng | -0.03 |
| 21) Naphthalene-d8 | 10.516 | 136 | 1599401 | 20.000 | ng | -0.04 |
| 39) Acenaphthene-d10 | 14.387 | 164 | 884782 | 20.000 | ng | -0.02 |
| 64) Phenanthrene-d10 | 17.204 | 188 | 1496179 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.651 | 240 | 1314875 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 25.045 | 264 | 1482251 | 20.000 | ng | -0.01 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.352 | 112 | 2160051 | 82.554 | ng | -0.03 |
| 7) Phenol-d6 | 6.922 | 99 | 2767509 | 79.095 | ng | -0.03 |
| 23) Nitrobenzene-d5 | 8.887 | 82 | 2351089 | 82.938 | ng | -0.04 |
| 42) 2,4,6-Tribromophenol | 15.910 | 330 | 855806 | 76.789 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 12.993 | 172 | 4921252 | 82.015 | ng | -0.02 |
| 79) Terphenyl-d14 | 19.933 | 244 | 5589029 | 87.742 | ng | 0.01 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.299 | 88 | 446474 | 43.047 | ng | 98 |
| 3) Pyridine | 3.693 | 79 | 1138803 | 40.164 | ng | 98 |
| 4) n-Nitrosodimethylamine | 3.599 | 42 | 387336 | 40.895 | ng | 98 |
| 6) Aniline | 7.075 | 93 | 1232979 | 38.677 | ng | 99 |
| 8) 2-Chlorophenol | 7.311 | 128 | 1128182 | 39.918 | ng | 98 |
| 9) Benzaldehyde | 6.893 | 77 | 718139 | 42.530 | ng | 98 |
| 10) Phenol | 6.946 | 94 | 1391750 | 39.401 | ng | 100 |
| 11) bis(2-Chloroethyl)ether | 7.169 | 93 | 1103890 | 39.629 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.628 | 146 | 1222363 | 40.107 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 7.775 | 146 | 1241956 | 39.910 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.087 | 146 | 1172482 | 39.263 | ng | 99 |
| 15) Benzyl Alcohol | 7.975 | 79 | 859059 | 38.780 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.264 | 45 | 1159861 | 40.798 | ng | 97 |
| 17) 2-Methylphenol | 8.181 | 107 | 862191 | 38.925 | ng | 99 |
| 18) Hexachloroethane | 8.811 | 117 | 447680 | 40.550 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 8.540 | 70 | 783983 | 38.622 | ng | 99 |
| 20) 3+4-Methylphenols | 8.505 | 107 | 1173563 | 38.565 | ng | 100 |
| 22) Acetophenone | 8.552 | 105 | 1622693 | 40.130 | ng | 99 |
| 24) Nitrobenzene | 8.928 | 77 | 1155357 | 41.315 | ng | 99 |
| 25) Isophorone | 9.452 | 82 | 1954970 | 40.232 | ng | 99 |
| 26) 2-Nitrophenol | 9.634 | 139 | 552969 | 41.396 | ng | 98 |
| 27) 2,4-Dimethylphenol | 9.699 | 122 | 690386 | 40.194 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 9.928 | 93 | 1382312 | 40.436 | ng | 100 |
| 29) 2,4-Dichlorophenol | 10.169 | 162 | 945582 | 40.695 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.381 | 180 | 1037774 | 40.425 | ng | 100 |
| 31) Naphthalene | 10.569 | 128 | 3408979 | 40.209 | ng | 100 |
| 32) Benzoic acid | 9.846 | 122 | 652890 | 38.975 | ng | 97 |
| 33) 4-Chloroaniline | 10.681 | 127 | 1178228 | 38.833 | ng | 99 |
| 34) Hexachlorobutadiene | 10.852 | 225 | 597628 | 40.450 | ng | 99 |
| 35) Caprolactam | 11.469 | 113 | 276797 | 36.348 | ng | 98 |
| 36) 4-Chloro-3-methylphenol | 11.810 | 107 | 988672 | 39.442 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.187 | 142 | 2247240 | 39.235 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.399 | 142 | 2181412 | 39.157 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.557 | 216 | 1069066 | 41.799 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 12.540 | 237 | 387852 | 42.069 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 12.799 | 196 | 687273 | 42.283 | ng | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024211.D
Acq On : 08 Apr 2025 13:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Quant Time: Apr 08 14:08:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

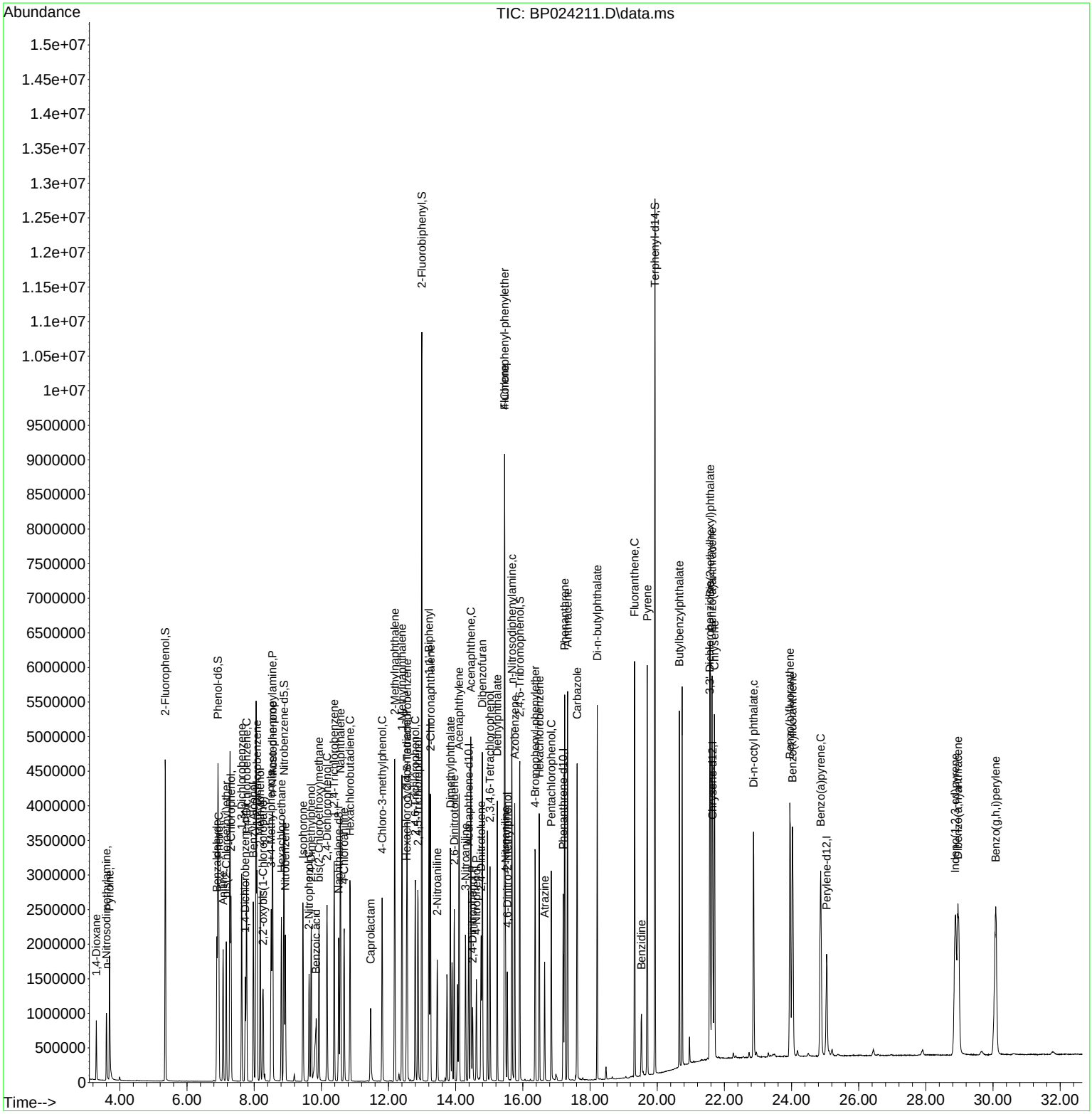
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.875 | 196 | 735015 | 41.234 | ng | 98 |
| 46) 1,1'-Biphenyl | 13.204 | 154 | 2760283 | 41.516 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.252 | 162 | 2062992 | 41.252 | ng | 99 |
| 48) 2-Nitroaniline | 13.451 | 65 | 545965 | 42.683 | ng | 95 |
| 49) Acenaphthylene | 14.104 | 152 | 3148144 | 41.603 | ng | 100 |
| 50) Dimethylphthalate | 13.846 | 163 | 2411403 | 38.950 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 13.957 | 165 | 524662 | 40.278 | ng | 100 |
| 52) Acenaphthene | 14.451 | 154 | 1977936 | 40.910 | ng | 99 |
| 53) 3-Nitroaniline | 14.293 | 138 | 549621 | 39.066 | ng | 96 |
| 54) 2,4-Dinitrophenol | 14.504 | 184 | 263202 | 38.187 | ng | 96 |
| 55) Dibenzofuran | 14.793 | 168 | 3145411 | 40.164 | ng | 99 |
| 56) 4-Nitrophenol | 14.616 | 139 | 438355 | 37.289 | ng | 93 |
| 57) 2,4-Dinitrotoluene | 14.757 | 165 | 675950 | 39.285 | ng | 98 |
| 58) Fluorene | 15.457 | 166 | 2395113 | 39.253 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.022 | 232 | 615718 | 39.095 | ng | 99 |
| 60) Diethylphthalate | 15.240 | 149 | 2380475 | 38.612 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.457 | 204 | 1177747 | 39.353 | ng | 99 |
| 62) 4-Nitroaniline | 15.481 | 138 | 550942 | 37.337 | ng | 98 |
| 63) Azobenzene | 15.757 | 77 | 2396479 | 41.241 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.540 | 198 | 355454 | 40.019 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 15.675 | 169 | 1960186 | 43.144 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.369 | 248 | 708196 | 43.113 | ng | 97 |
| 68) Hexachlorobenzene | 16.493 | 284 | 817684 | 42.056 | ng | 100 |
| 69) Atrazine | 16.651 | 200 | 299567 | 27.317 | ng | 99 |
| 70) Pentachlorophenol | 16.845 | 266 | 526505 | 41.875 | ng | 99 |
| 71) Phenanthrene | 17.245 | 178 | 3307863 | 40.470 | ng | 100 |
| 72) Anthracene | 17.334 | 178 | 3265969 | 41.026 | ng | 100 |
| 73) Carbazole | 17.616 | 167 | 3000148 | 39.079 | ng | 100 |
| 74) Di-n-butylphthalate | 18.216 | 149 | 3586861 | 39.357 | ng | 99 |
| 75) Fluoranthene | 19.328 | 202 | 3500245 | 36.976 | ng | 99 |
| 77) Benzidine | 19.534 | 184 | 663514 | 46.154 | ng | 100 |
| 78) Pyrene | 19.704 | 202 | 3629606 | 44.402 | ng | 99 |
| 80) Butylbenzylphthalate | 20.657 | 149 | 1425388 | 42.284 | ng | 100 |
| 81) Benzo(a)anthracene | 21.633 | 228 | 3412419 | 41.743 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.563 | 252 | 1139237 | 41.580 | ng | 100 |
| 83) Chrysene | 21.704 | 228 | 3235178 | 41.167 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.575 | 149 | 2078574 | 40.864 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.869 | 149 | 3199932 | 39.264 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.874 | 276 | 4585755 | 44.328 | ng | 100 |
| 88) Benzo(b)fluoranthene | 23.951 | 252 | 3630246 | 40.620 | ng | 98 |
| 89) Benzo(k)fluoranthene | 24.027 | 252 | 3618543 | 41.392 | ng | 100 |
| 90) Benzo(a)pyrene | 24.869 | 252 | 3196190 | 41.128 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.957 | 278 | 3823023 | 44.420 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 30.080 | 276 | 3939846 | 45.033 | ng | 97 |

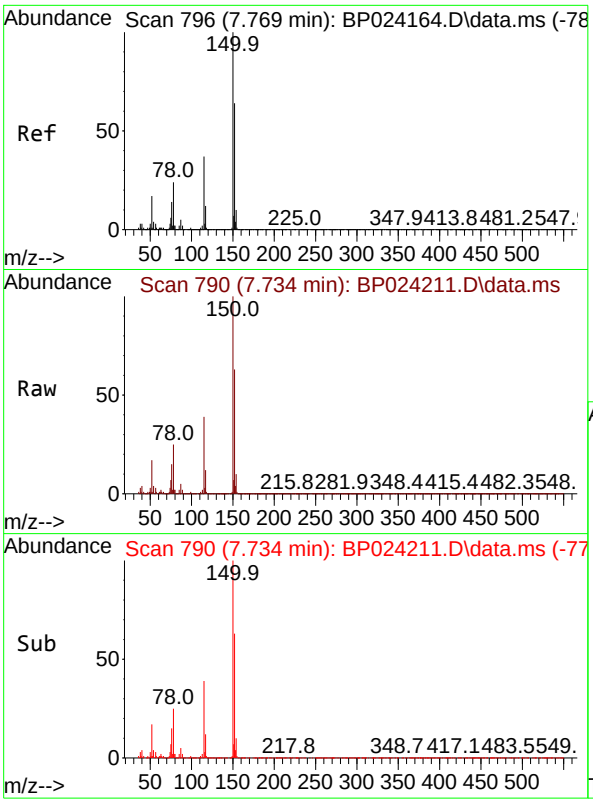
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040825\
Data File : BP024211.D
Acq On : 08 Apr 2025 13:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Quant Time: Apr 08 14:08:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration



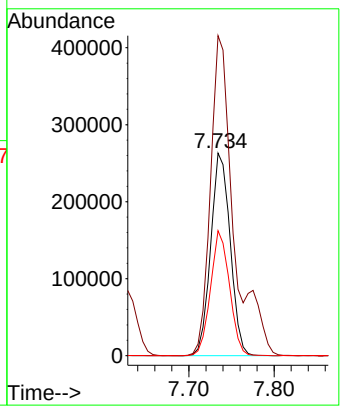


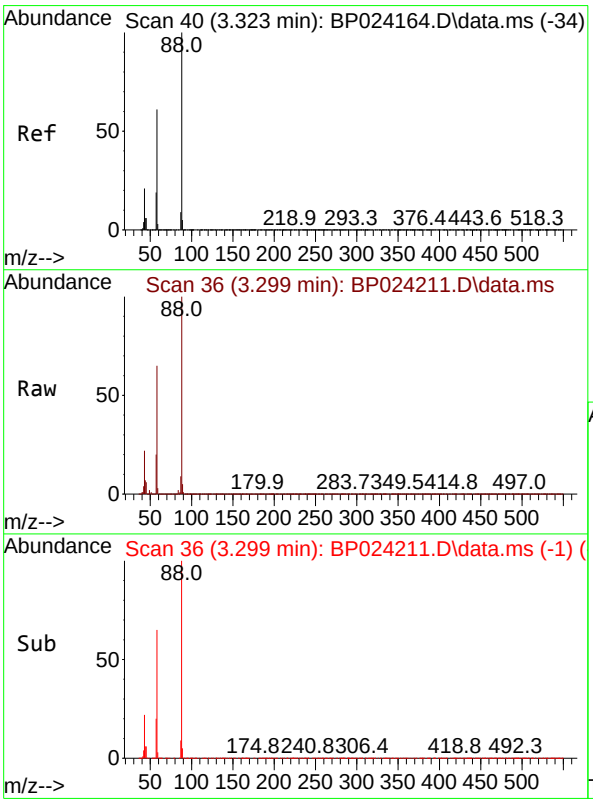

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 417672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.0 | 125.5 | 188.3 |
| 115 | 61.7 | 46.3 | 69.5 |

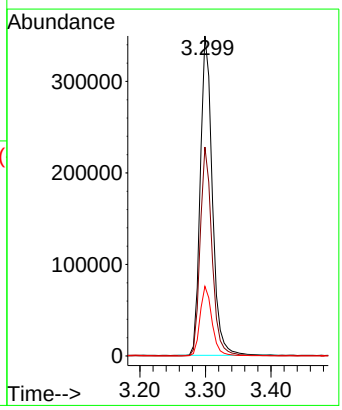


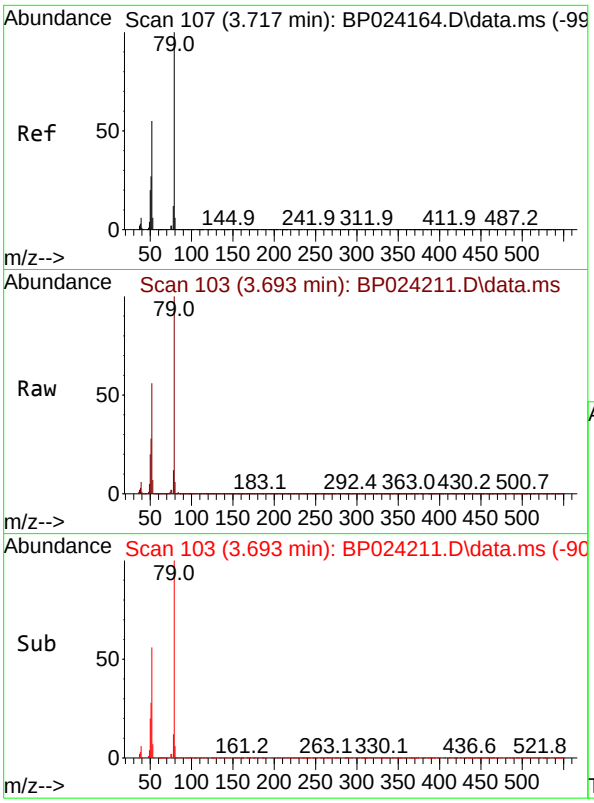




#2
1,4-Dioxane
Concen: 43.047 ng
RT: 3.299 min Scan# 36
Delta R.T. -0.023 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion: 88 Resp: 446474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 64.5 | 49.8 | 74.6 |
| 43 | 21.6 | 17.3 | 25.9 |



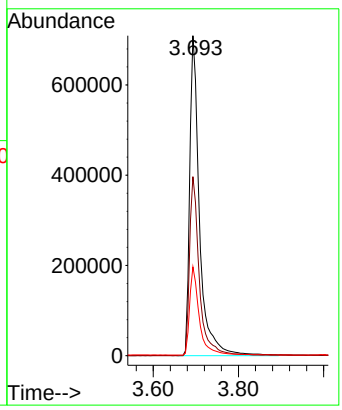


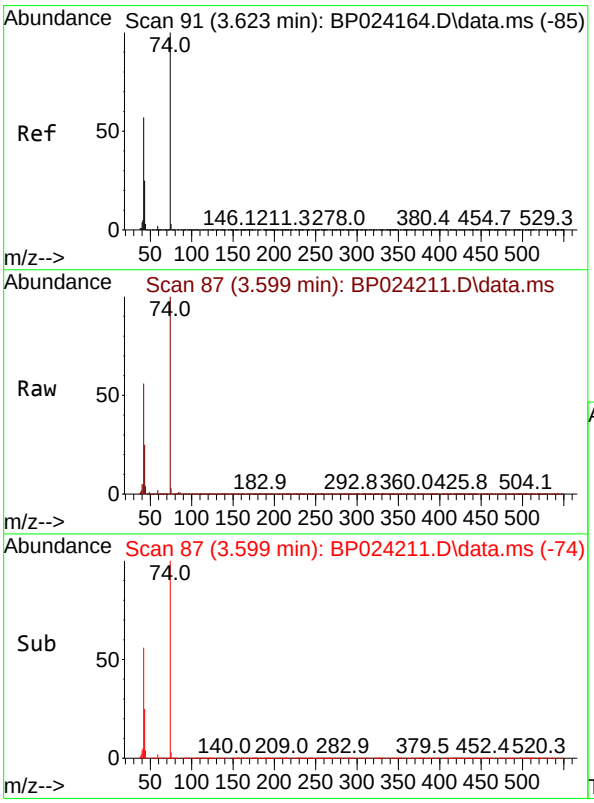

#3
Pyridine
Concen: 40.164 ng
RT: 3.693 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 1138803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 56.0 | 43.8 | 65.8 |
| 51 | 27.8 | 21.6 | 32.4 |

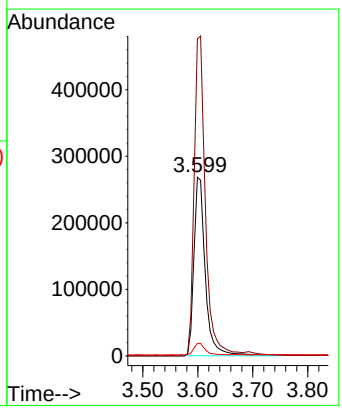


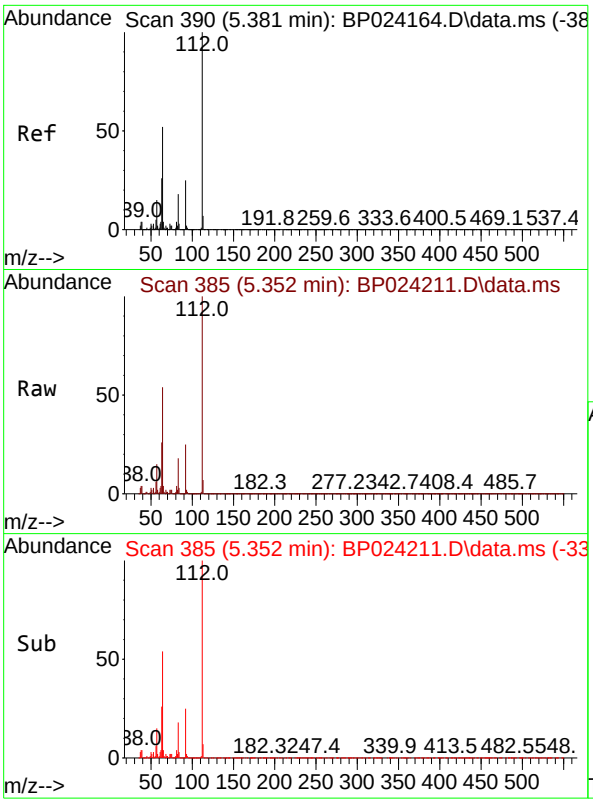




#4
n-Nitrosodimethylamine
Concen: 40.895 ng
RT: 3.599 min Scan# 87
Delta R.T. -0.023 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion: 42 Resp: 387336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 177.3 | 139.8 | 209.6 |
| 44 | 7.1 | 5.3 | 7.9 |



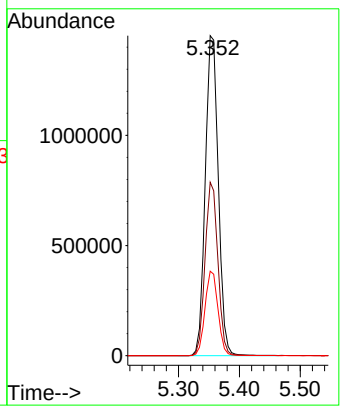


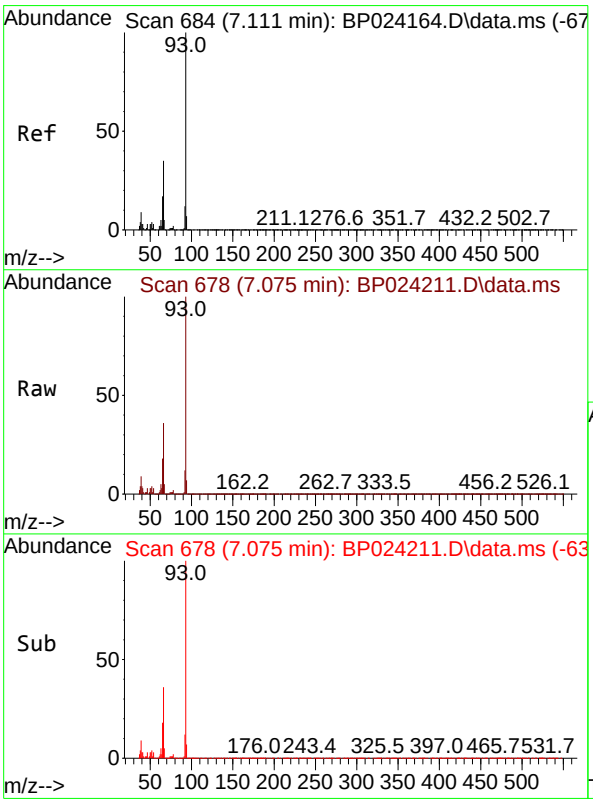

#5
2-Fluorophenol
Concen: 82.554 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.029 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:112 Resp: 2160051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.2 | 41.3 | 61.9 |
| 63 | 26.4 | 20.6 | 31.0 |

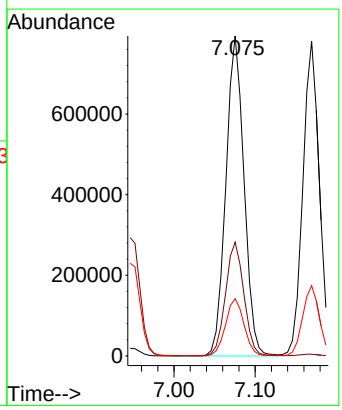


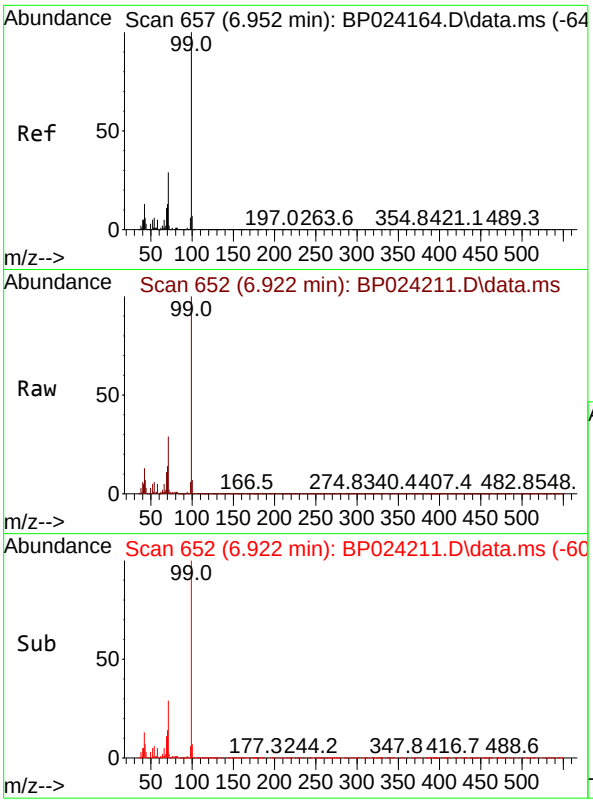




#6
Aniline
Concen: 38.677 ng
RT: 7.075 min Scan# 678
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion: 93 Resp: 1232979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 35.6 | 28.2 | 42.2 |
| 65 | 17.9 | 14.0 | 21.0 |



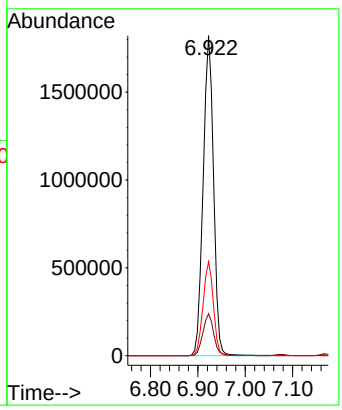


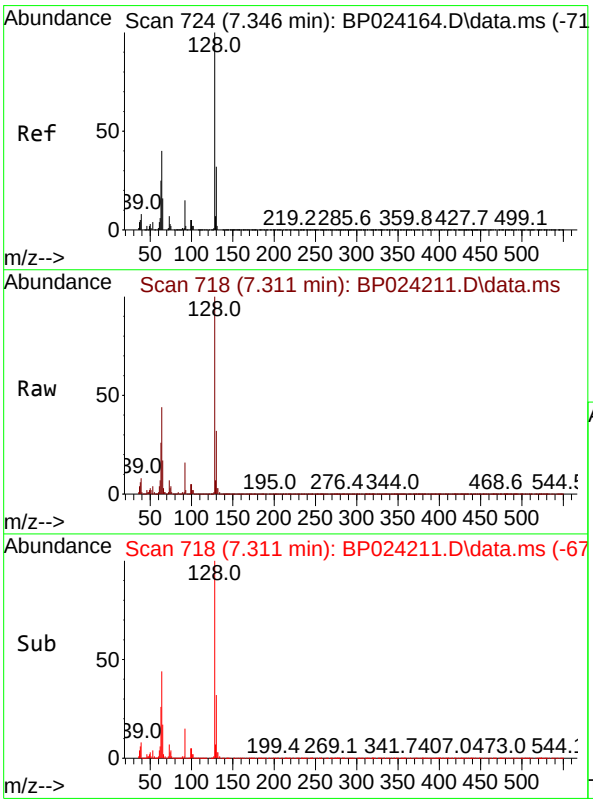

#7
Phenol-d6
Concen: 79.095 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.029 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 99 Resp: 2767509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.1 | 10.6 | 16.0 |
| 71 | 29.4 | 23.3 | 34.9 |

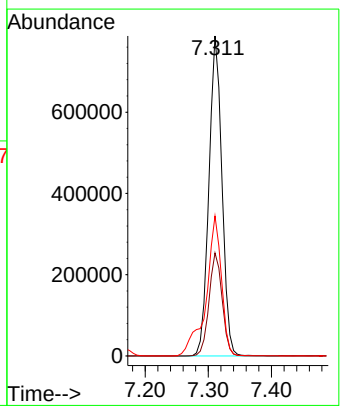


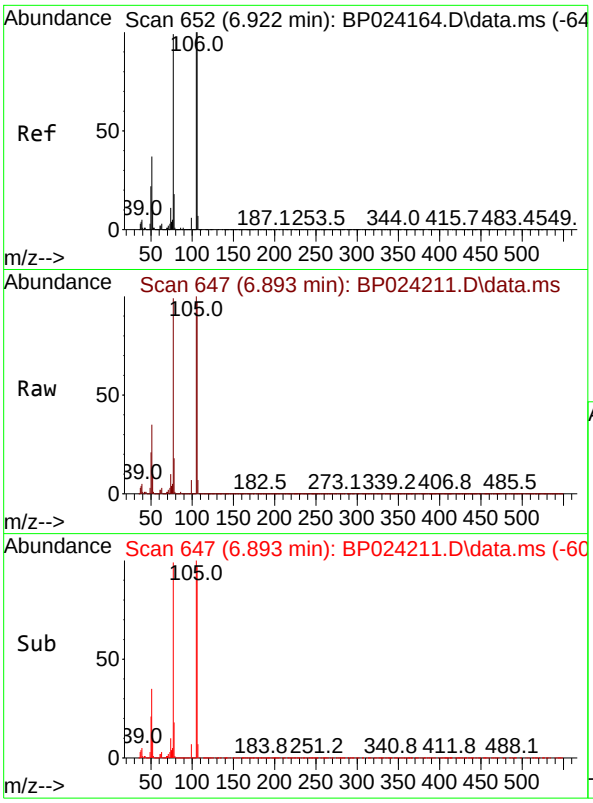




#8
2-Chlorophenol
Concen: 39.918 ng
RT: 7.311 min Scan# 718
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:128 Resp: 1128182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.2 | 12.0 | 52.0 |
| 64 | 43.7 | 21.6 | 61.6 |



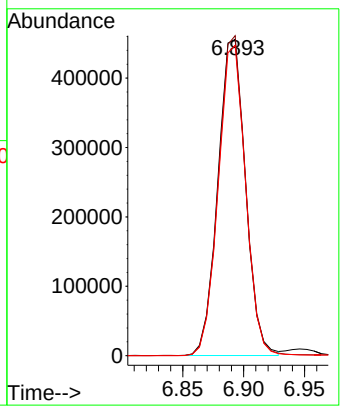


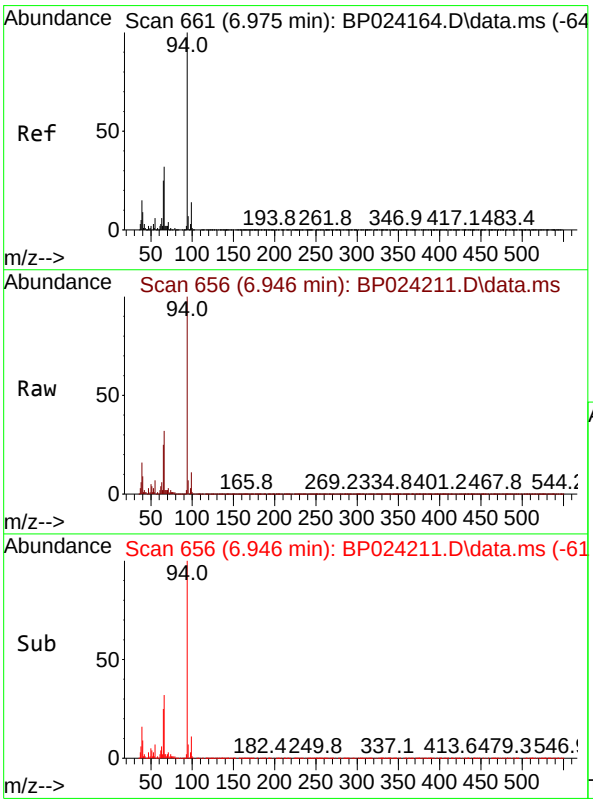

#9
Benzaldehyde
Concen: 42.530 ng
RT: 6.893 min Scan# 64
Delta R.T. -0.029 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 718139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 101.2 | 81.4 | 121.4 |
| 106 | 98.1 | 81.1 | 121.1 |

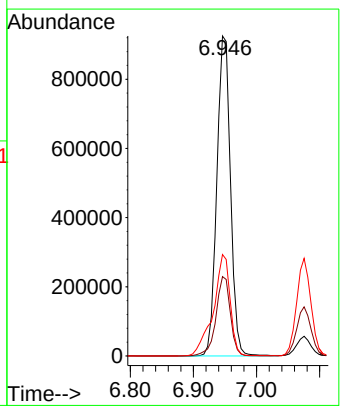


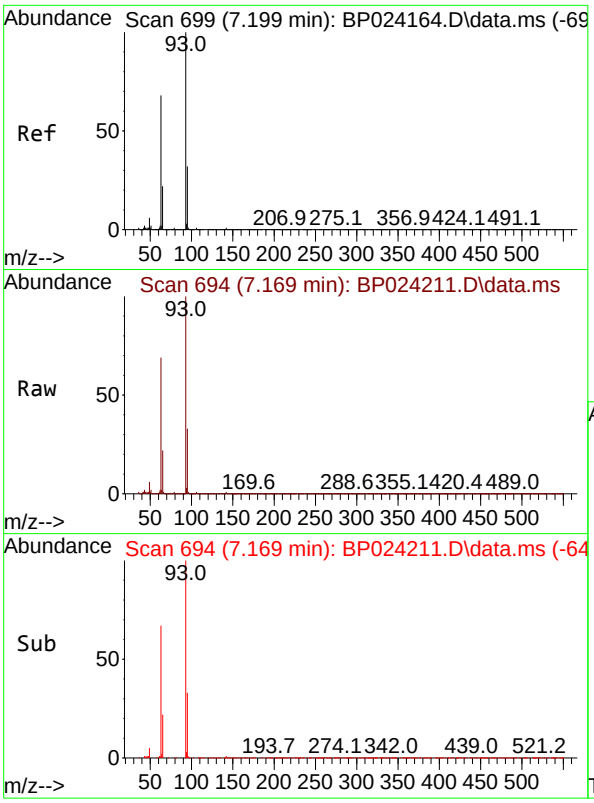




#10
Phenol
Concen: 39.401 ng
RT: 6.946 min Scan# 656
Delta R.T. -0.029 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion: 94 Resp: 1391750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 24.8 | 4.9 | 44.9 |
| 66 | 31.7 | 11.9 | 51.9 |



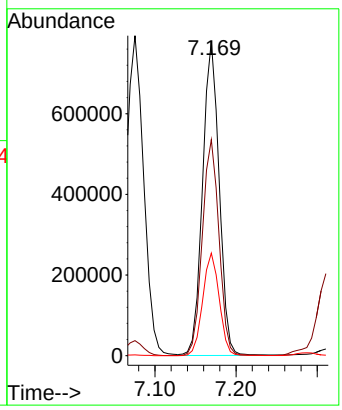


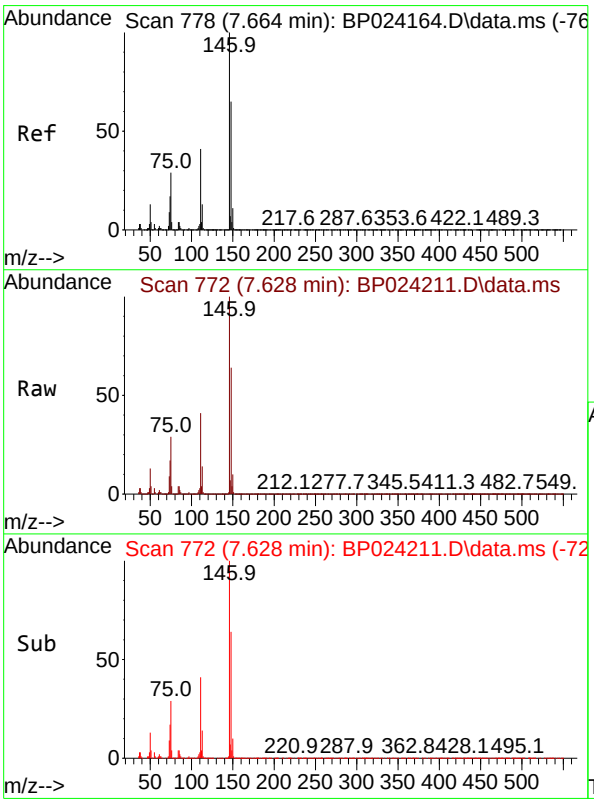

#11
bis(2-Chloroethyl)ether
Concen: 39.629 ng
RT: 7.169 min Scan# 6
Delta R.T. -0.029 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 93 Resp: 1103890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 68.6 | 47.4 | 87.4 |
| 95 | 32.6 | 12.1 | 52.1 |

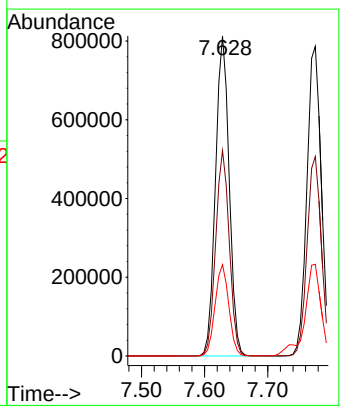


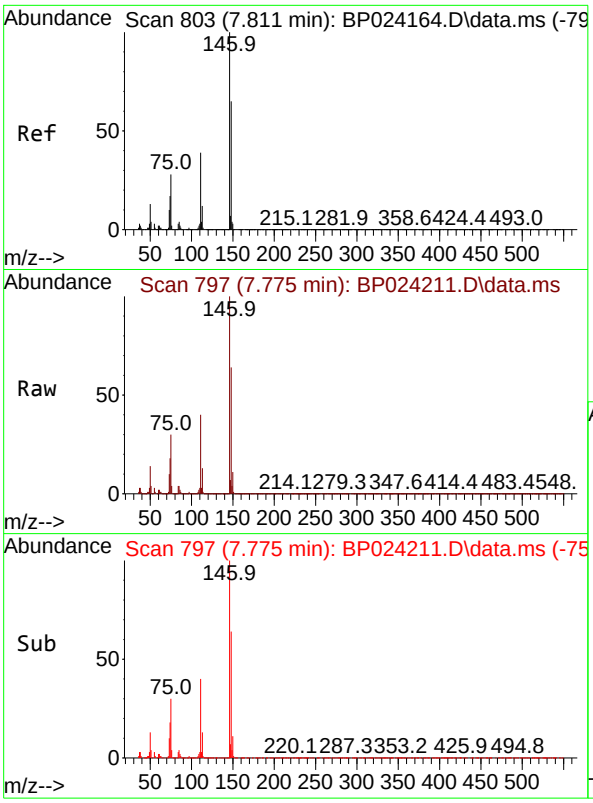




#12
1,3-Dichlorobenzene
Concen: 40.107 ng
RT: 7.628 min Scan# 772
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:146 Resp: 1222363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.6 | 77.4 |
| 75 | 28.5 | 22.8 | 34.2 |



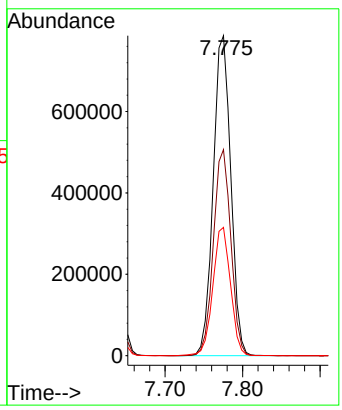


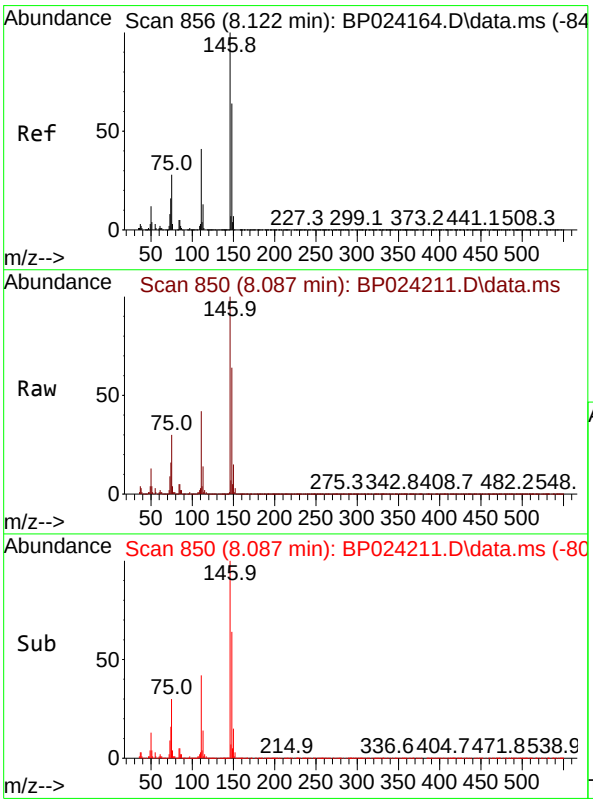

#13
1,4-Dichlorobenzene
Concen: 39.910 ng
RT: 7.775 min Scan# 7
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:146 Resp: 1241956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 51.9 | 77.9 |
| 111 | 40.1 | 31.4 | 47.2 |

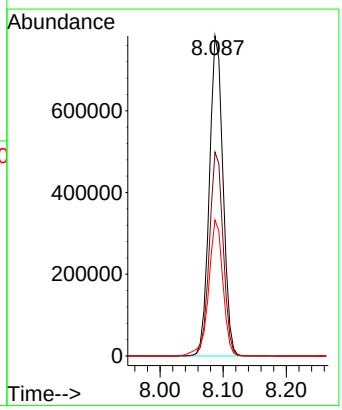


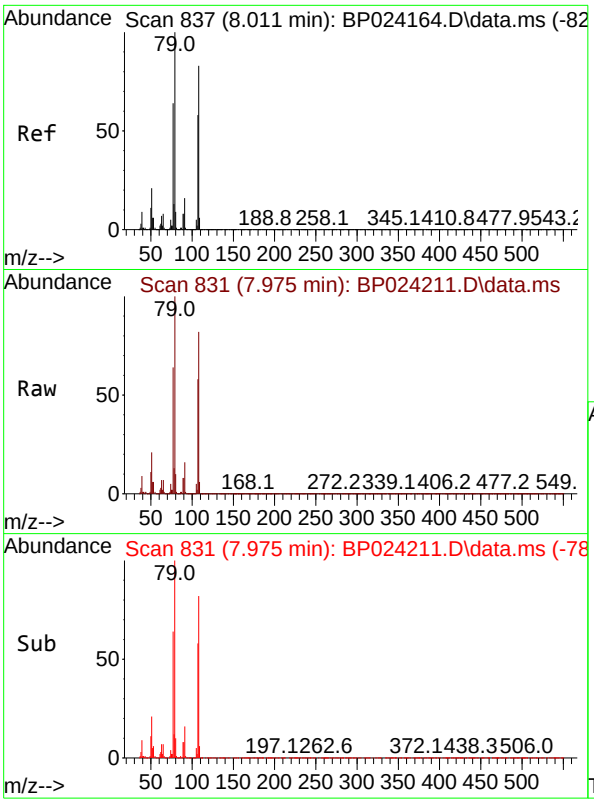




#14
1,2-Dichlorobenzene
Concen: 39.263 ng
RT: 8.087 min Scan# 850
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:146 Resp: 1172482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.7 | 51.4 | 77.2 |
| 111 | 42.5 | 33.2 | 49.8 |



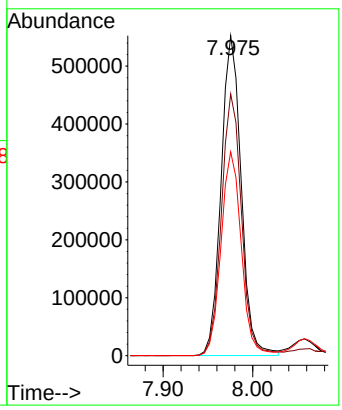


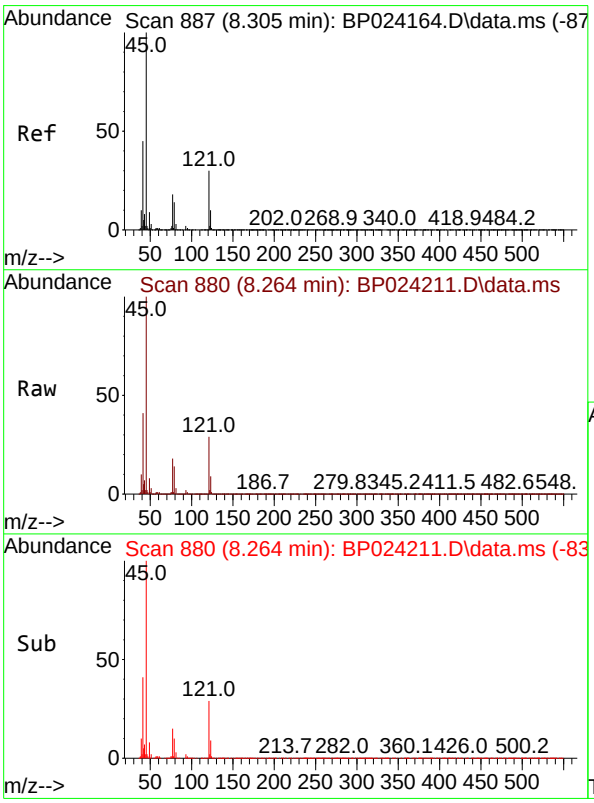

#15
Benzyl Alcohol
Concen: 38.780 ng
RT: 7.975 min Scan# 8
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 859059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 81.8 | 66.5 | 99.7 |
| 77 | 63.7 | 50.9 | 76.3 |

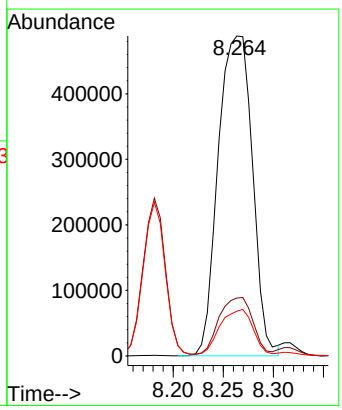


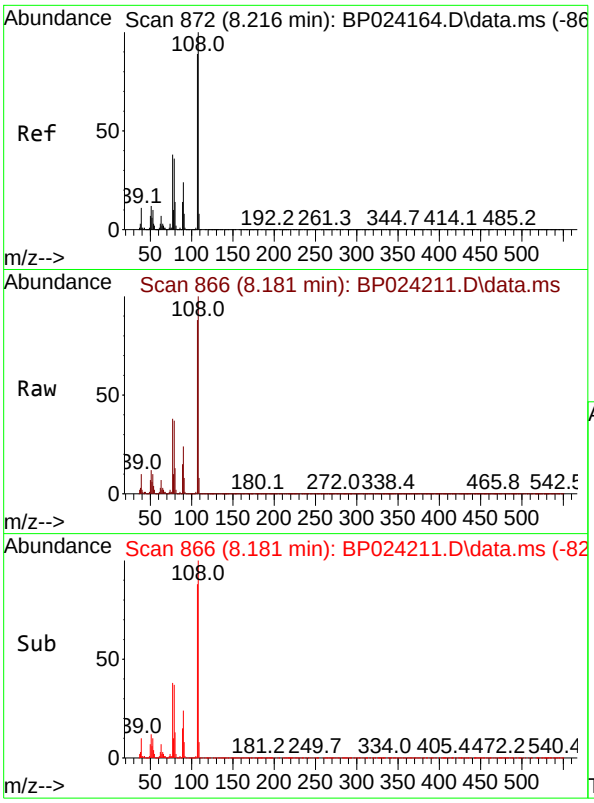




#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.798 ng
RT: 8.264 min Scan# 880
Delta R.T. -0.041 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion: 45 Resp: 1159861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 18.1 | 0.0 | 39.0 |
| 79 | 14.0 | 0.0 | 35.6 |



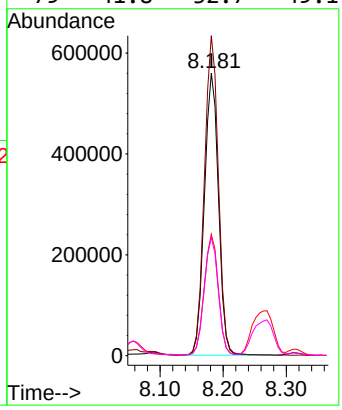


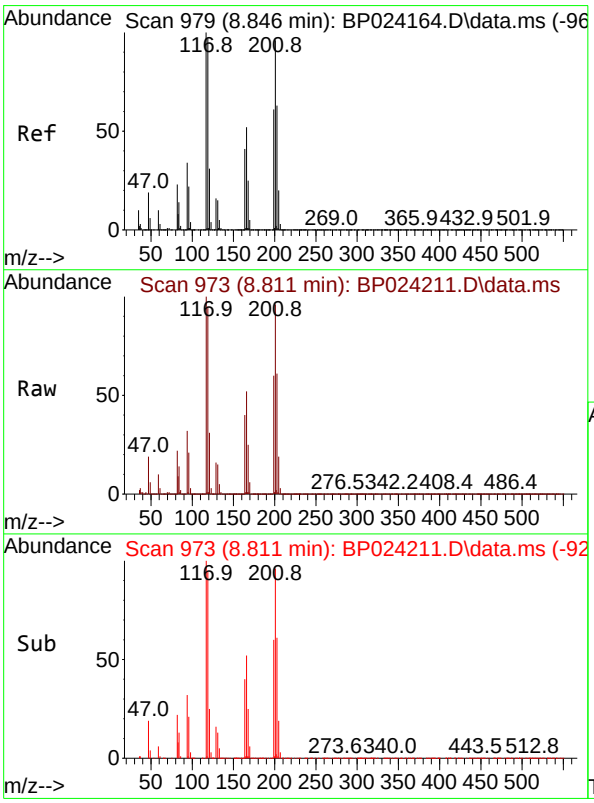

#17
2-Methylphenol
Concen: 38.925 ng
RT: 8.181 min Scan# 8
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:107 Resp: 862191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.2 | 90.0 | 135.0 |
| 77 | 43.0 | 34.0 | 51.0 |
| 79 | 41.8 | 32.7 | 49.1 |

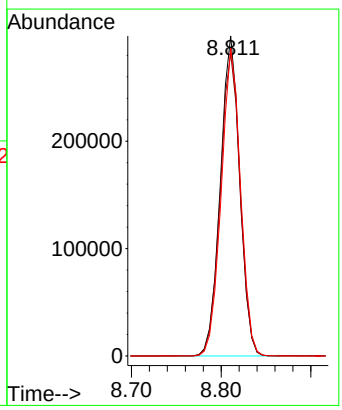


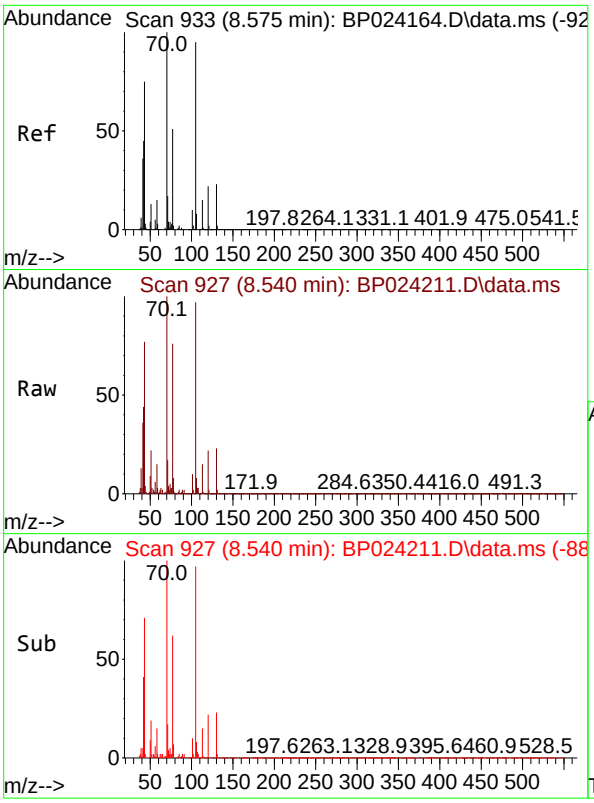




#18
Hexachloroethane
Concen: 40.550 ng
RT: 8.811 min Scan# 973
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:117 Resp: 447680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.6 | 77.4 | 116.0 |
| 201 | 96.2 | 76.6 | 114.8 |



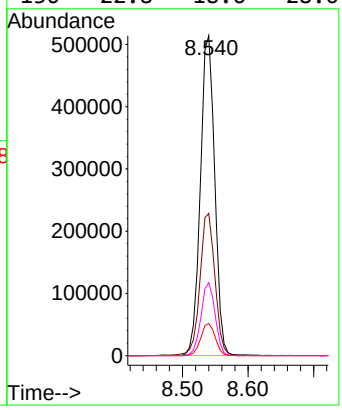


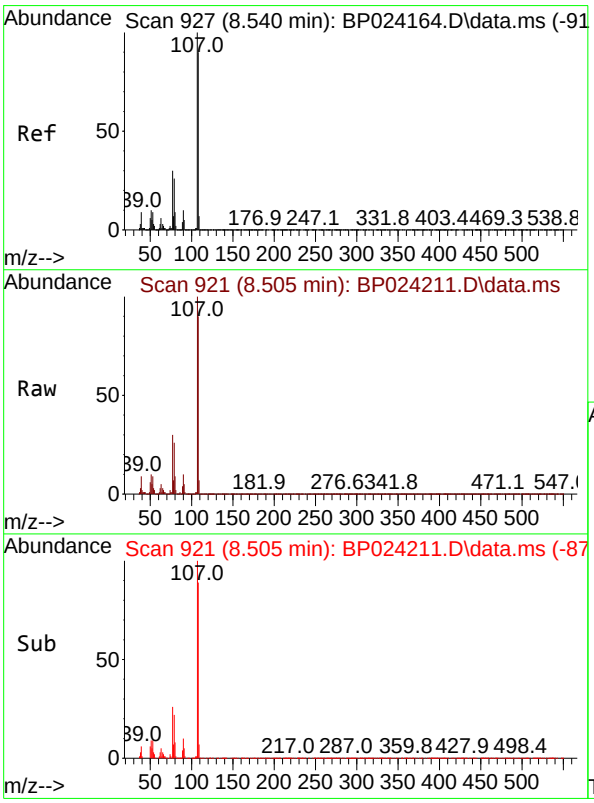

#19
n-Nitroso-di-n-propylamine
Concen: 38.622 ng
RT: 8.540 min Scan# 9
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 70 Resp: 783983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 44.5 | 36.0 | 54.0 |
| 101 | 10.0 | 8.3 | 12.5 |
| 130 | 22.8 | 18.6 | 28.0 |

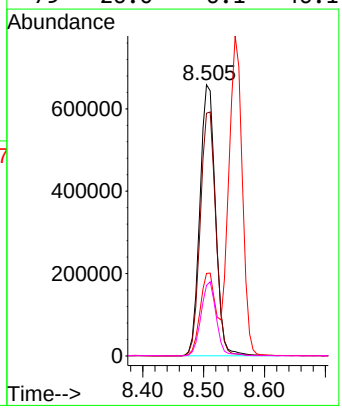


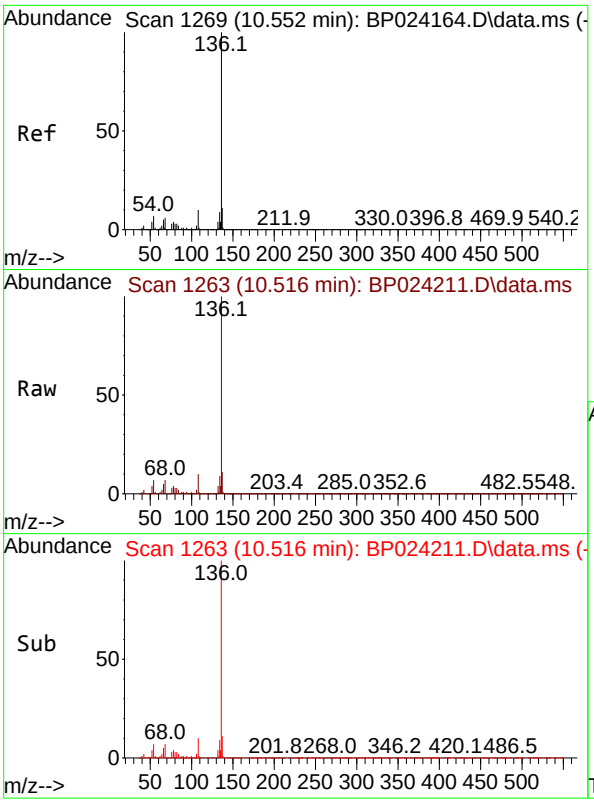




#20
3+4-Methylphenols
Concen: 38.565 ng
RT: 8.505 min Scan# 921
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:107 Resp: 1173563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.5 | 69.7 | 109.7 |
| 77 | 30.5 | 10.3 | 50.3 |
| 79 | 26.0 | 6.1 | 46.1 |



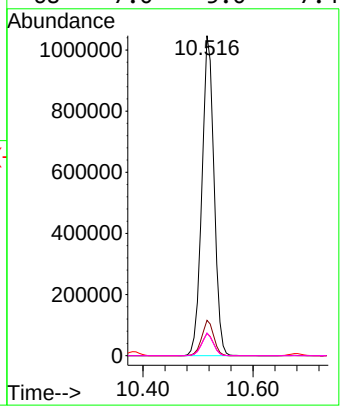


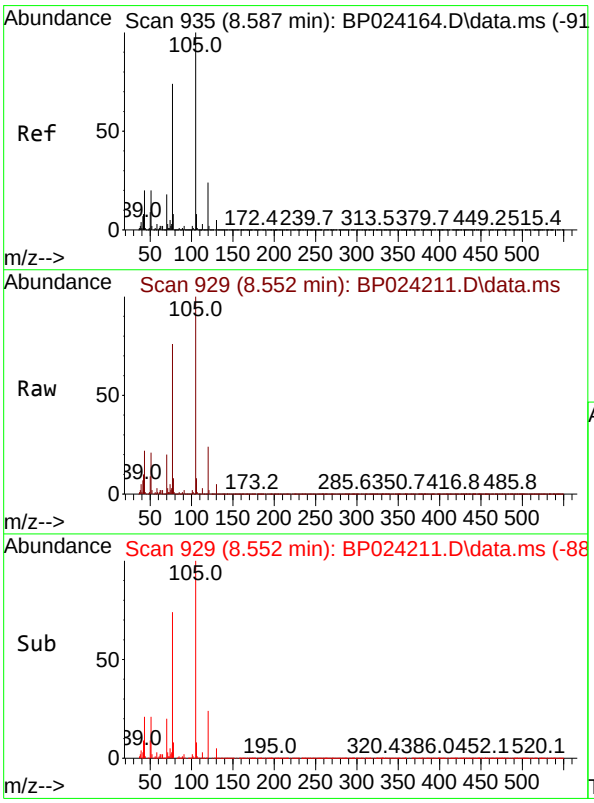

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:136 Resp: 1599401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 9.0 | 13.4 |
| 54 | 7.0 | 5.3 | 7.9 |
| 68 | 7.0 | 5.0 | 7.4 |

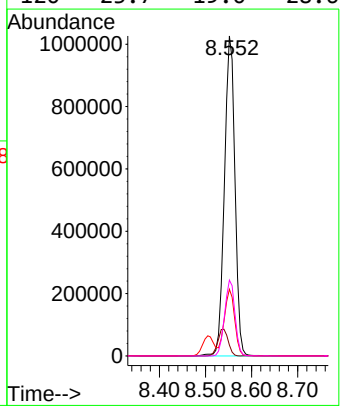


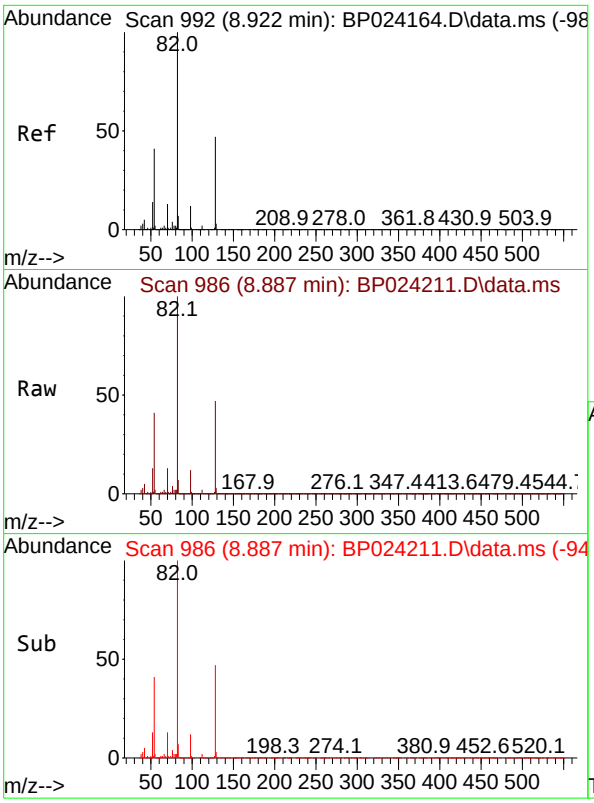




#22
Acetophenone
Concen: 40.130 ng
RT: 8.552 min Scan# 929
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:105 Resp: 1622693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 3.4 | 2.4 | 3.6 |
| 51 | 20.9 | 16.2 | 24.2 |
| 120 | 23.7 | 19.0 | 28.6 |



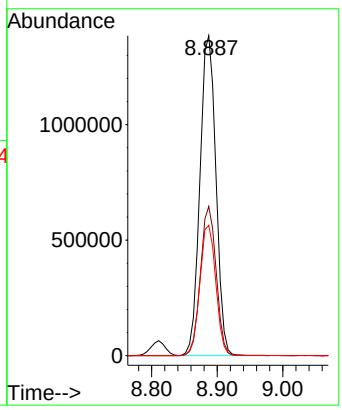


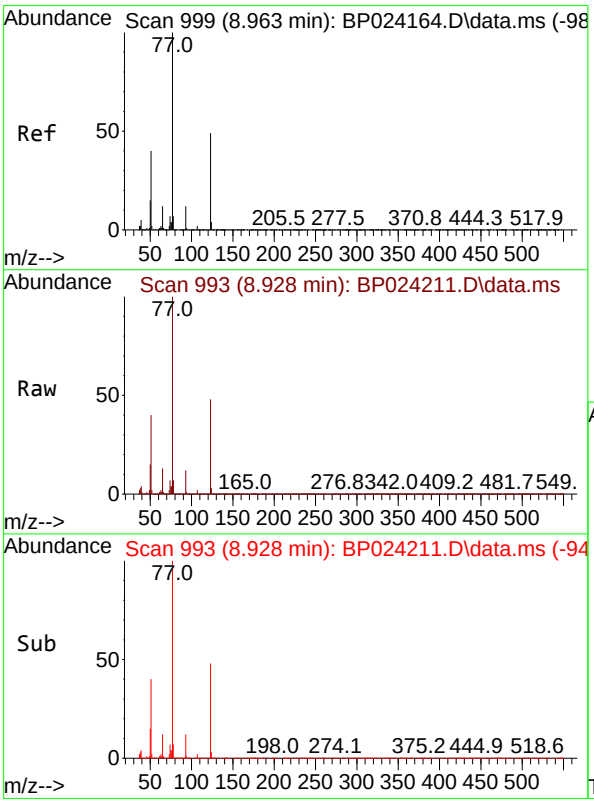

#23
Nitrobenzene-d5
Concen: 82.938 ng
RT: 8.887 min Scan# 9
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 2351089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.6 | 37.4 | 56.0 |
| 54 | 40.7 | 32.5 | 48.7 |

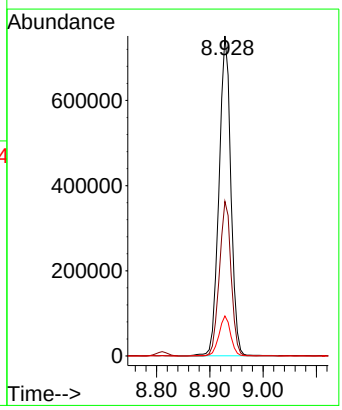


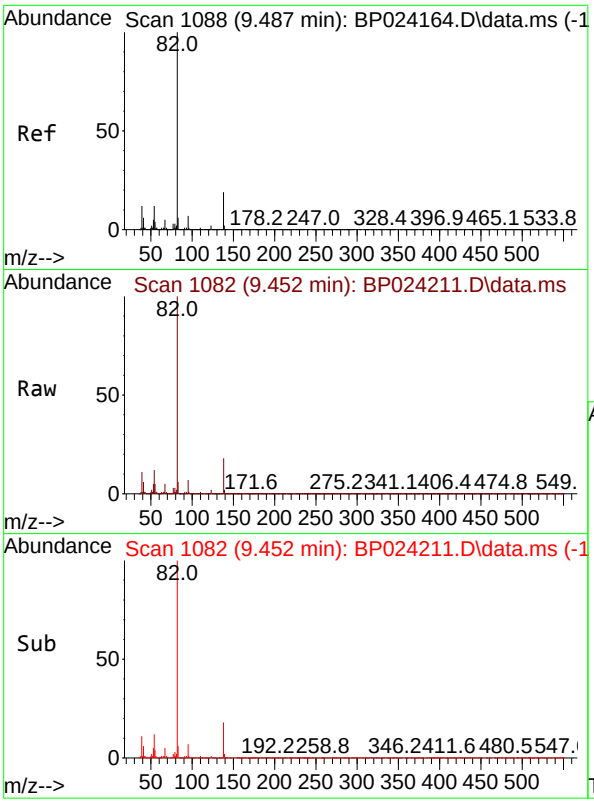




#24
Nitrobenzene
Concen: 41.315 ng
RT: 8.928 min Scan# 993
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion: 77 Resp: 1155357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 48.3 | 39.4 | 59.2 |
| 65 | 12.5 | 9.9 | 14.9 |



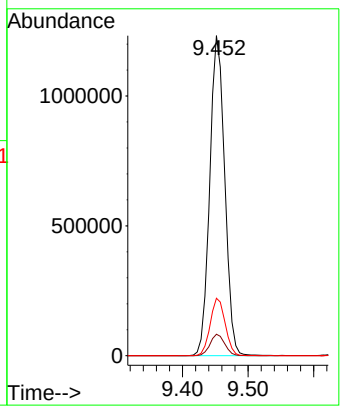


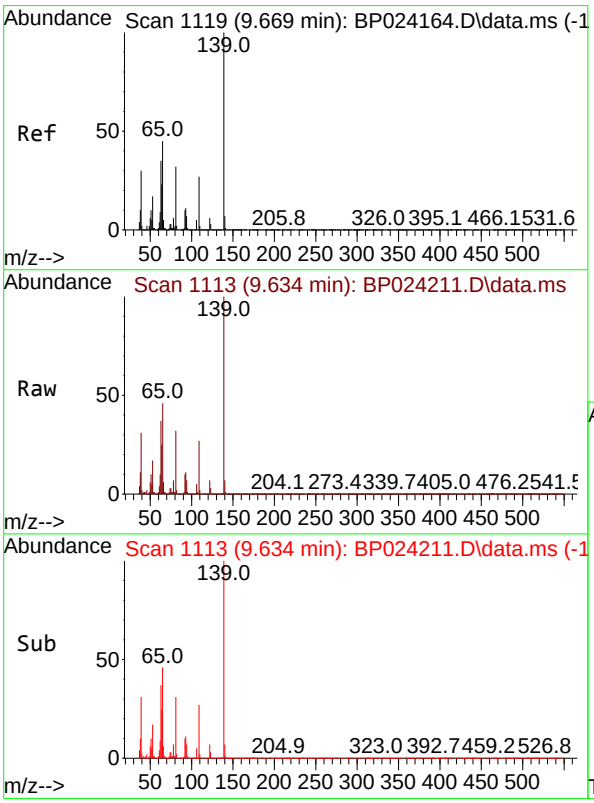

#25
Isophorone
Concen: 40.232 ng
RT: 9.452 min Scan# 1
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 1954970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.7 | 5.3 | 7.9 |
| 138 | 17.9 | 14.8 | 22.2 |

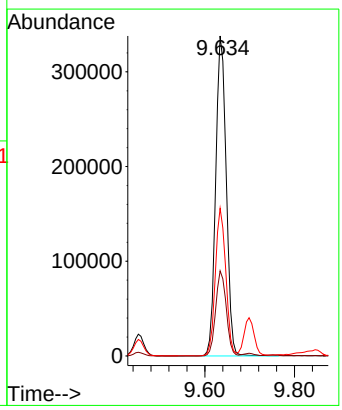


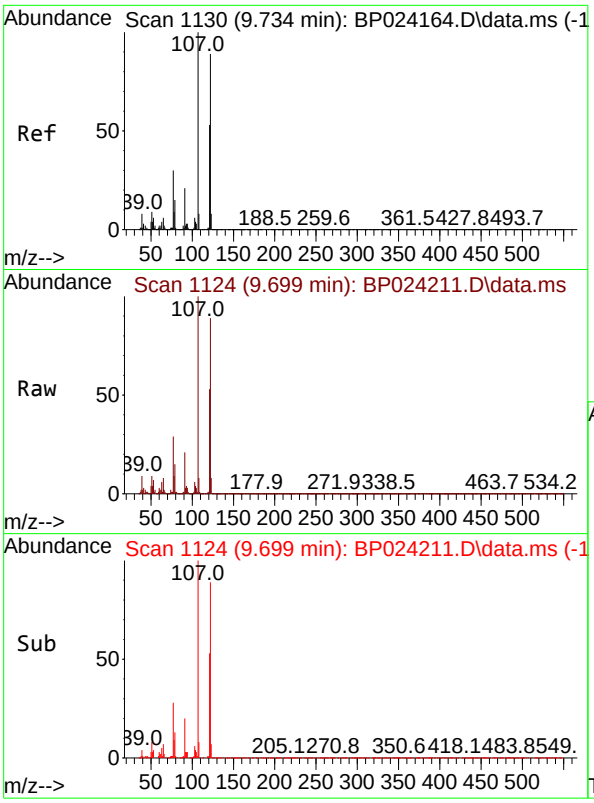




#26
2-Nitrophenol
Concen: 41.396 ng
RT: 9.634 min Scan# 1113
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:139 Resp: 552969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 26.6 | 21.7 | 32.5 |
| 65 | 46.2 | 35.8 | 53.8 |



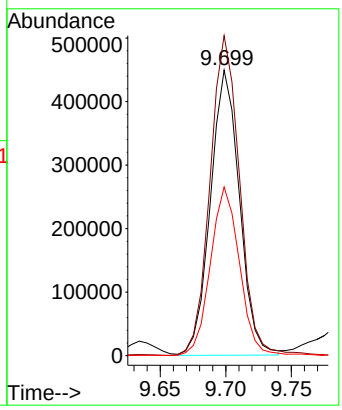


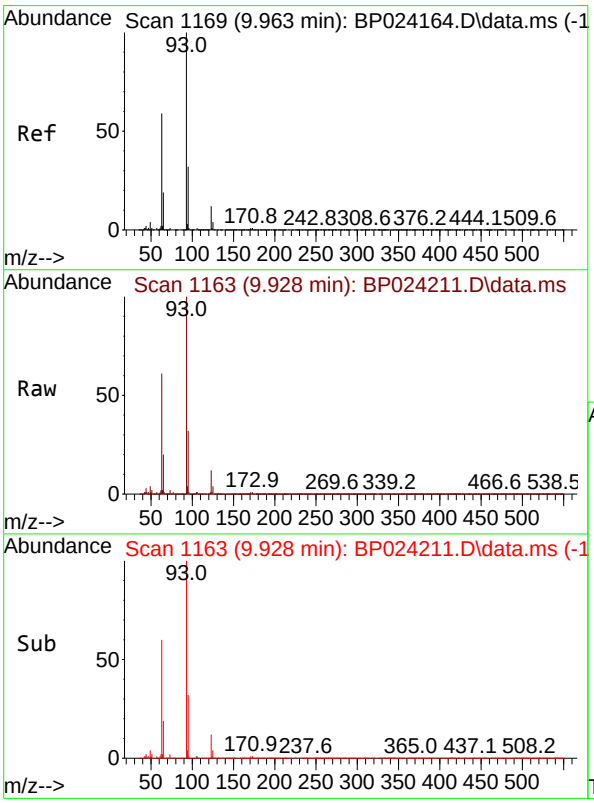

#27
2,4-Dimethylphenol
Concen: 40.194 ng
RT: 9.699 min Scan# 11
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:122 Resp: 690386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 112.0 | 89.3 | 133.9 |
| 121 | 59.0 | 47.5 | 71.3 |

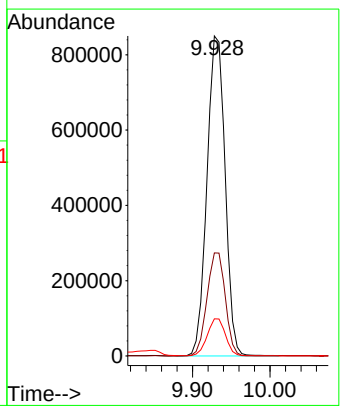


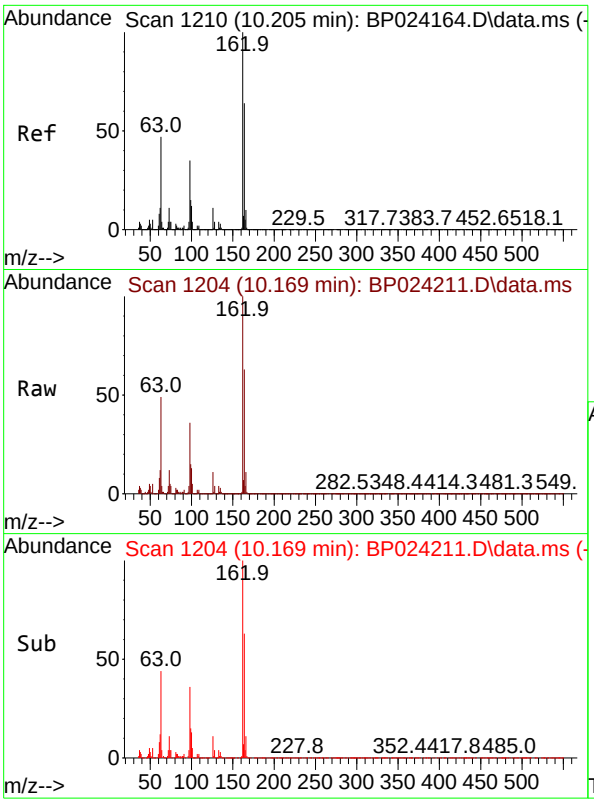




#28
bis(2-Chloroethoxy)methane
Concen: 40.436 ng
RT: 9.928 min Scan# 1163
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion: 93 Resp: 1382312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.2 | 25.9 | 38.9 |
| 123 | 11.6 | 9.5 | 14.3 |



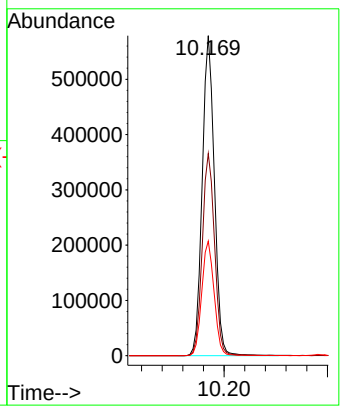


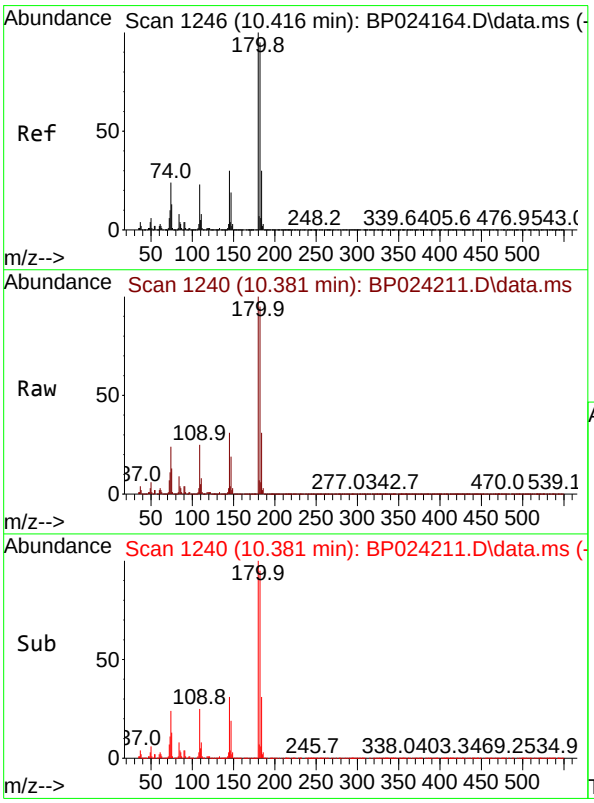

#29
2,4-Dichlorophenol
Concen: 40.695 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 945582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.2 | 44.2 | 84.2 |
| 98 | 35.8 | 15.1 | 55.1 |

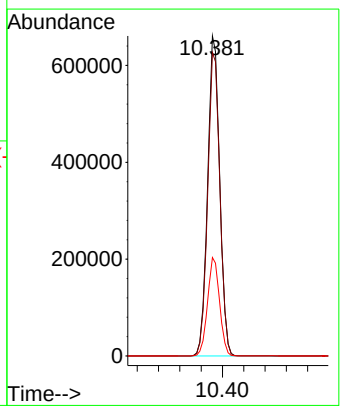


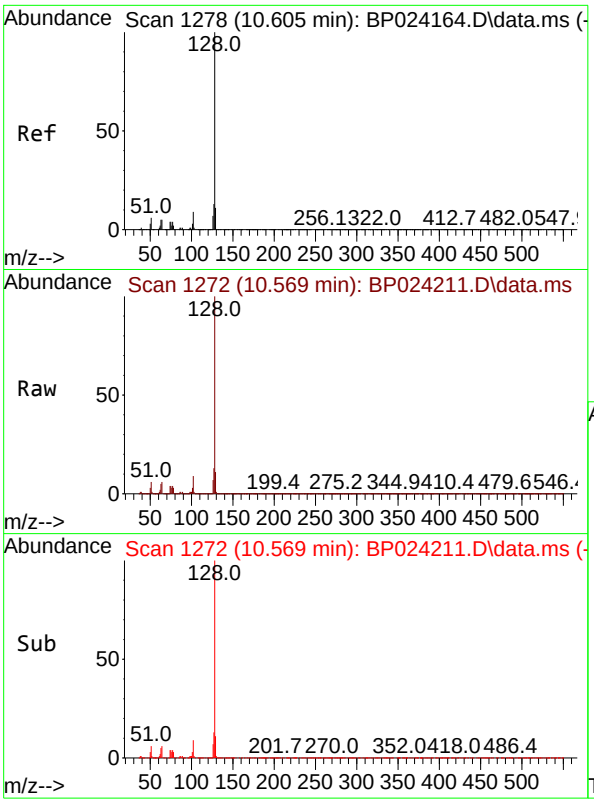




#30
1,2,4-Trichlorobenzene
Concen: 40.425 ng
RT: 10.381 min Scan# 1240
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:180 Resp: 1037774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.8 | 76.1 | 114.1 |
| 145 | 30.8 | 24.2 | 36.2 |



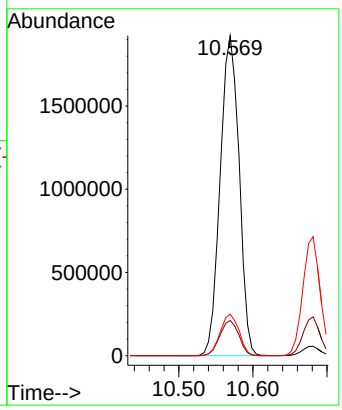


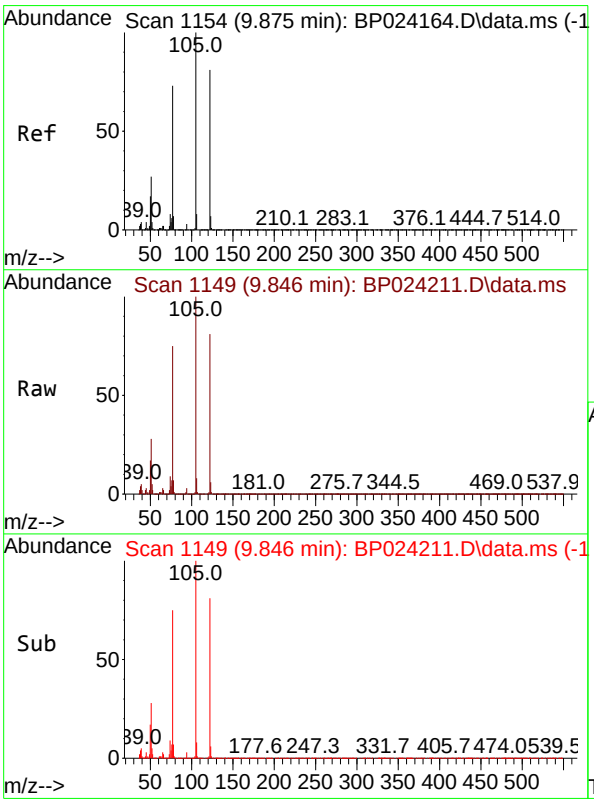

#31
Naphthalene
Concen: 40.209 ng
RT: 10.569 min Scan# 1
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:128 Resp: 3408979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.7 | 13.1 |
| 127 | 13.0 | 10.4 | 15.6 |

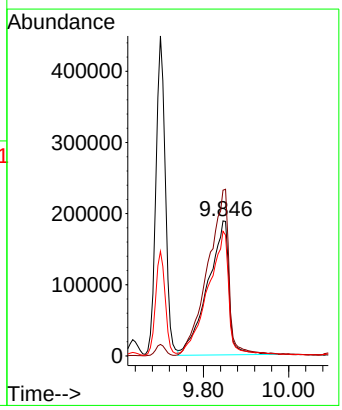


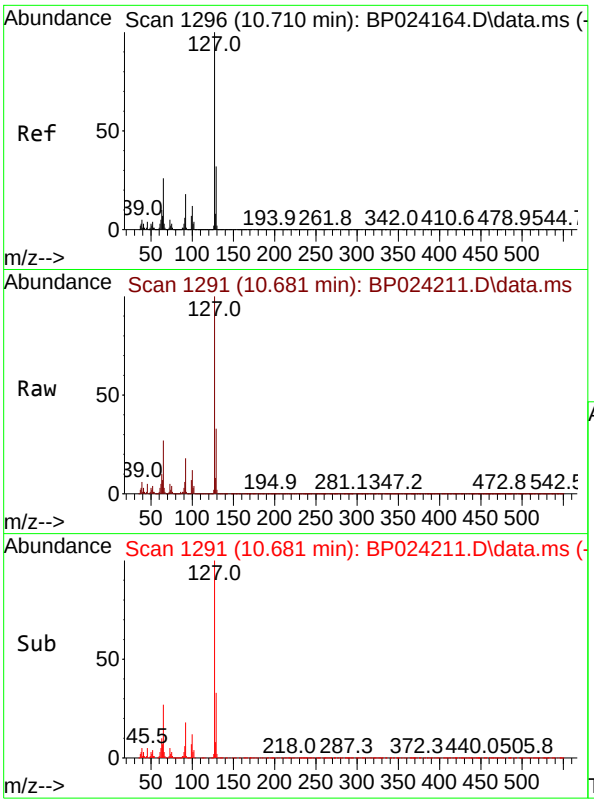




#32
Benzoic acid
Concen: 38.975 ng
RT: 9.846 min Scan# 1149
Delta R.T. -0.029 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:122 Resp: 652890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 122.8 | 100.3 | 140.3 |
| 77 | 92.4 | 69.1 | 109.1 |



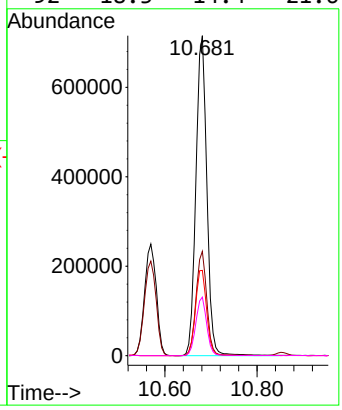


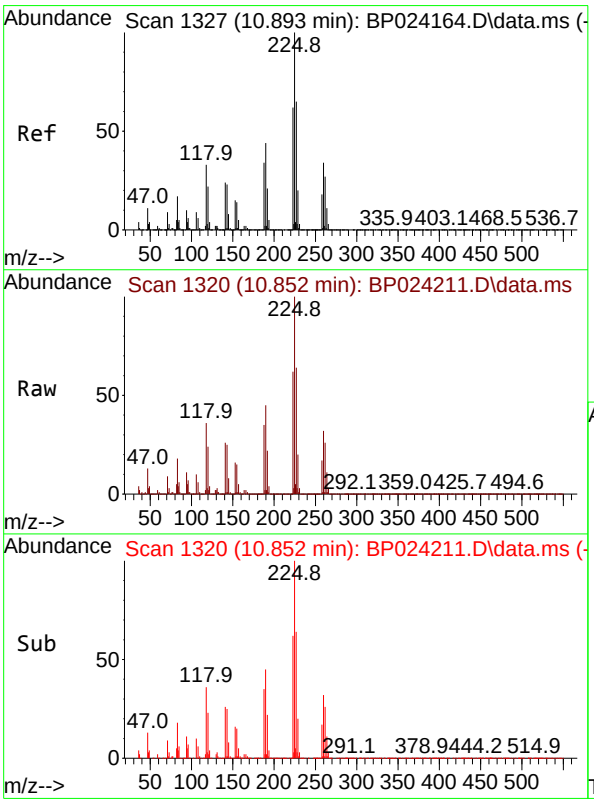

#33
4-Chloroaniline
Concen: 38.833 ng
RT: 10.681 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:127 Resp: 1178228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.6 | 25.8 | 38.6 |
| 65 | 26.7 | 21.2 | 31.8 |
| 92 | 18.3 | 14.4 | 21.6 |

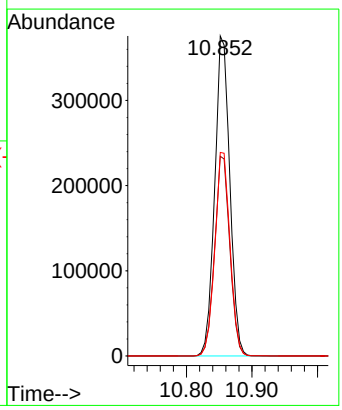


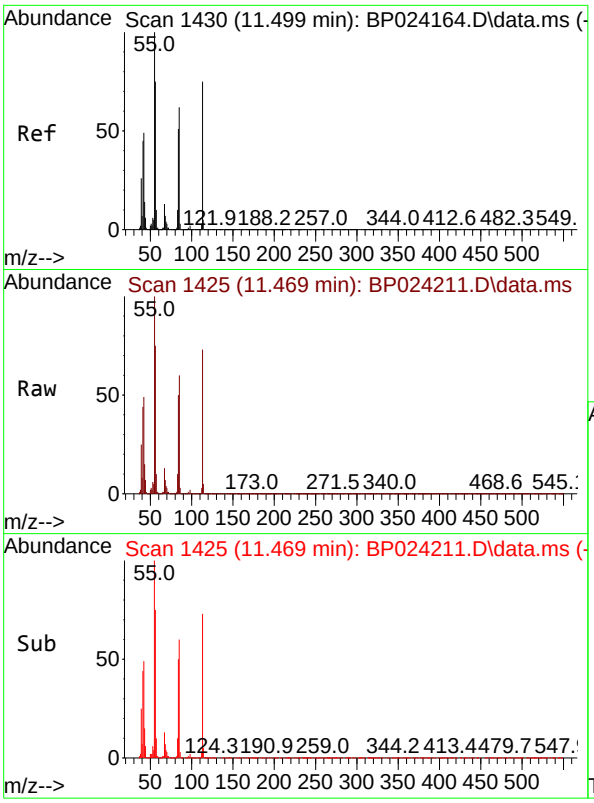




#34
Hexachlorobutadiene
Concen: 40.450 ng
RT: 10.852 min Scan# 1320
Delta R.T. -0.041 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:225 Resp: 597628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.4 | 49.9 | 74.9 |
| 227 | 63.6 | 52.2 | 78.2 |



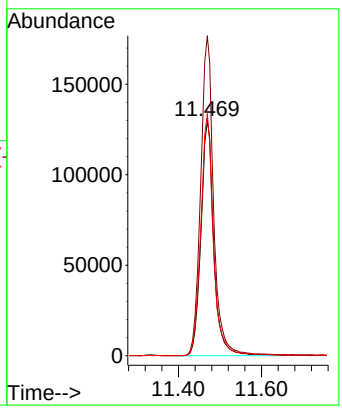


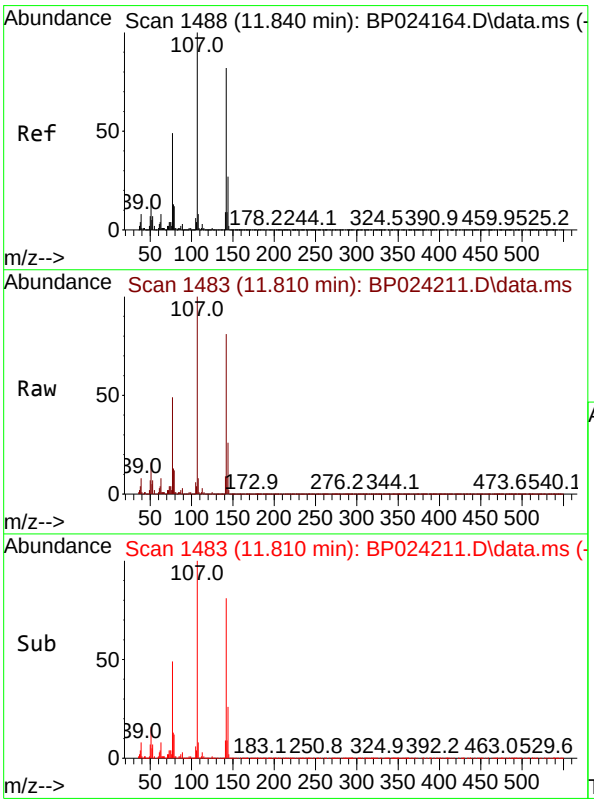

#35
Caprolactam
Concen: 36.348 ng
RT: 11.469 min Scan# 14
Delta R.T. -0.029 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:113 Resp: 276797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 136.2 | 113.6 | 153.6 |
| 56 | 102.8 | 80.0 | 120.0 |

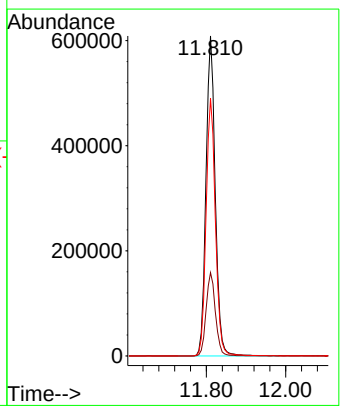


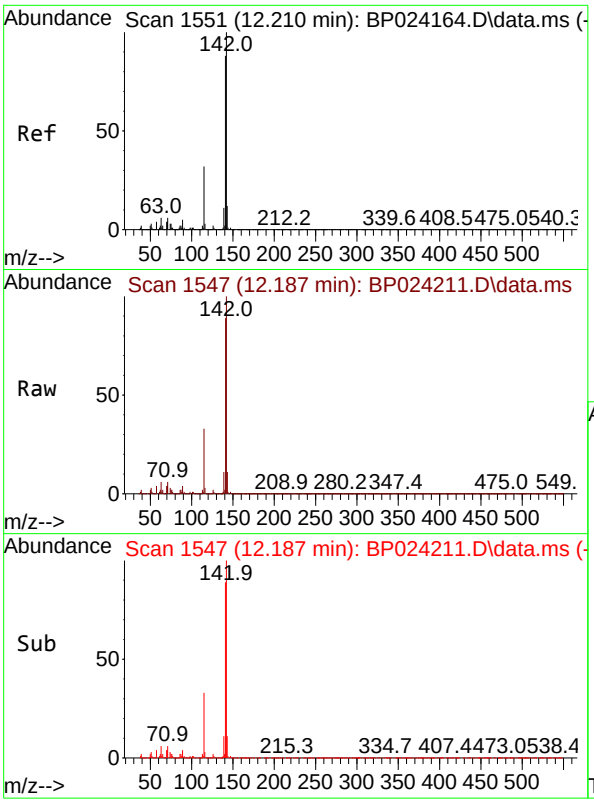




#36
4-Chloro-3-methylphenol
Concen: 39.442 ng
RT: 11.810 min Scan# 1483
Delta R.T. -0.029 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:107 Resp: 988672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.0 | 21.6 | 32.4 |
| 142 | 80.5 | 65.4 | 98.0 |



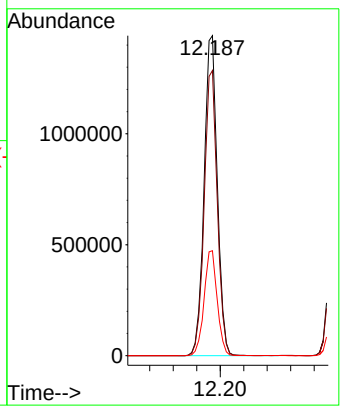


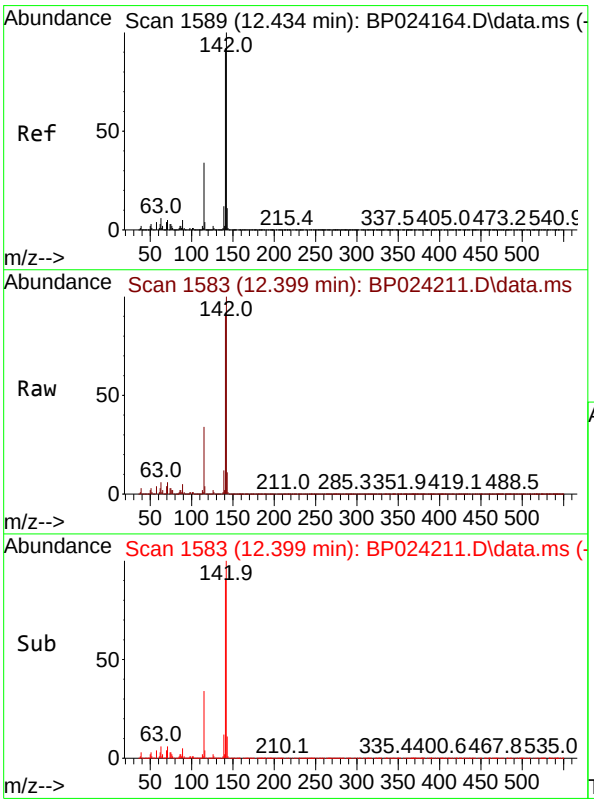

#37
2-Methylnaphthalene
Concen: 39.235 ng
RT: 12.187 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:142 Resp: 2247240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.1 | 70.3 | 105.5 |
| 115 | 32.8 | 26.0 | 39.0 |

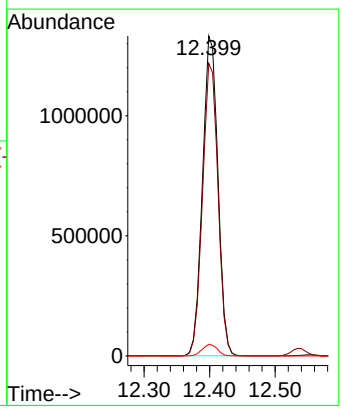


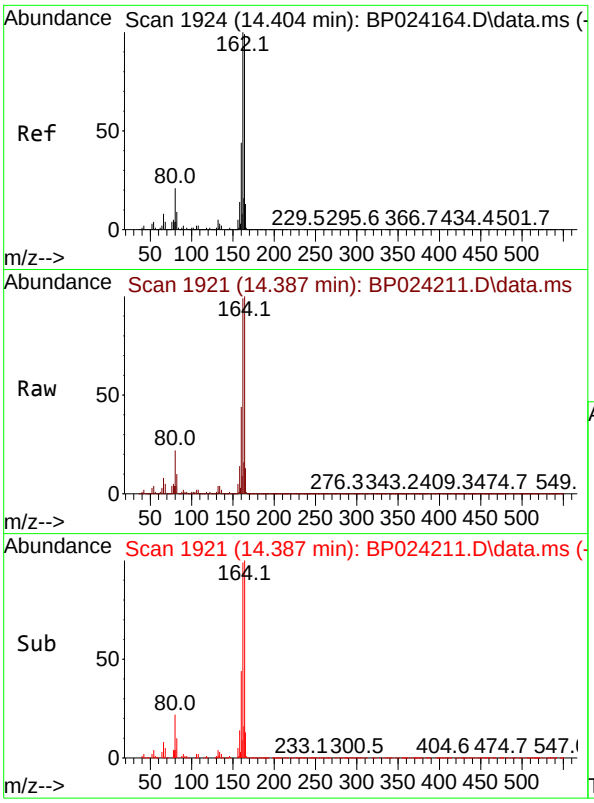




#38
1-Methylnaphthalene
Concen: 39.157 ng
RT: 12.399 min Scan# 1583
Delta R.T. -0.035 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:142 Resp: 2181412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.4 | 73.9 | 110.9 |
| 116 | 3.7 | 2.8 | 4.2 |



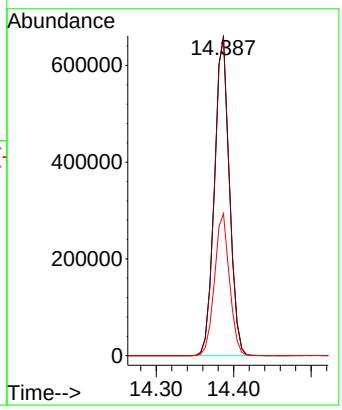


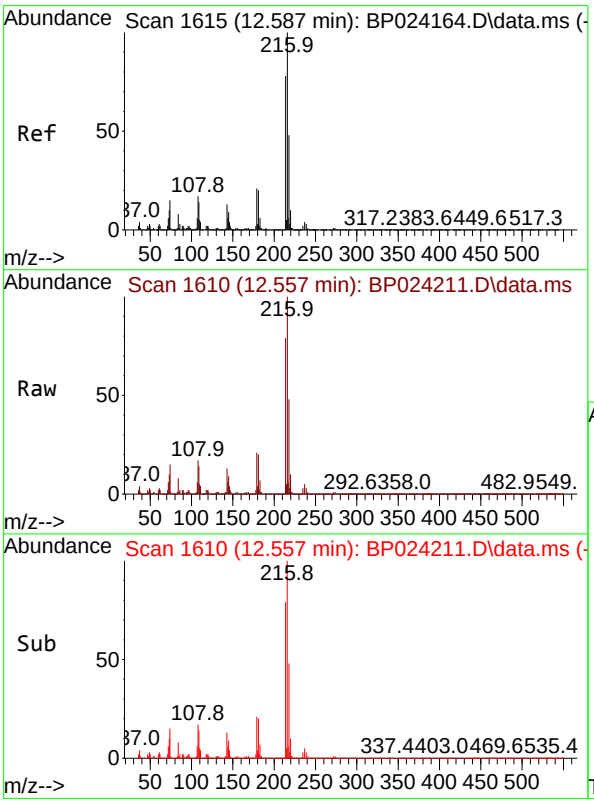

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:164 Resp: 884782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.1 | 80.6 | 121.0 |
| 160 | 44.4 | 35.4 | 53.2 |

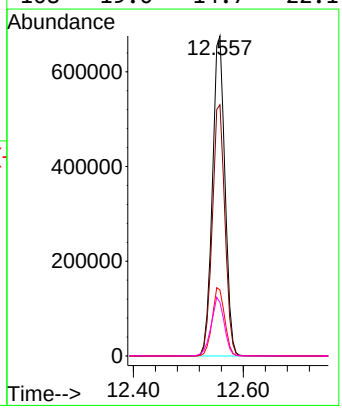


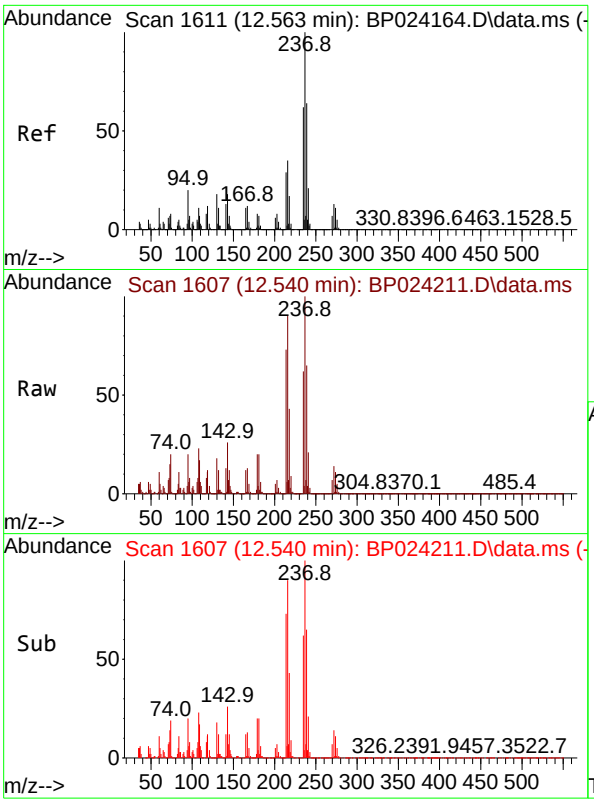




#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.799 ng
RT: 12.557 min Scan# 1610
Delta R.T. -0.029 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:216 Resp: 1069066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.9 | 62.8 | 94.2 |
| 179 | 21.3 | 16.8 | 25.2 |
| 108 | 19.0 | 14.7 | 22.1 |



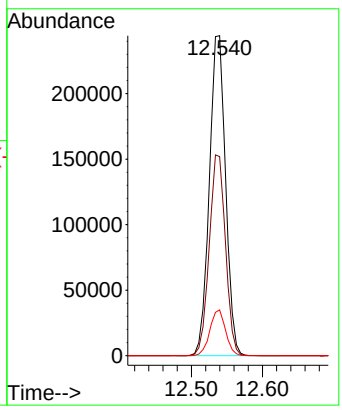


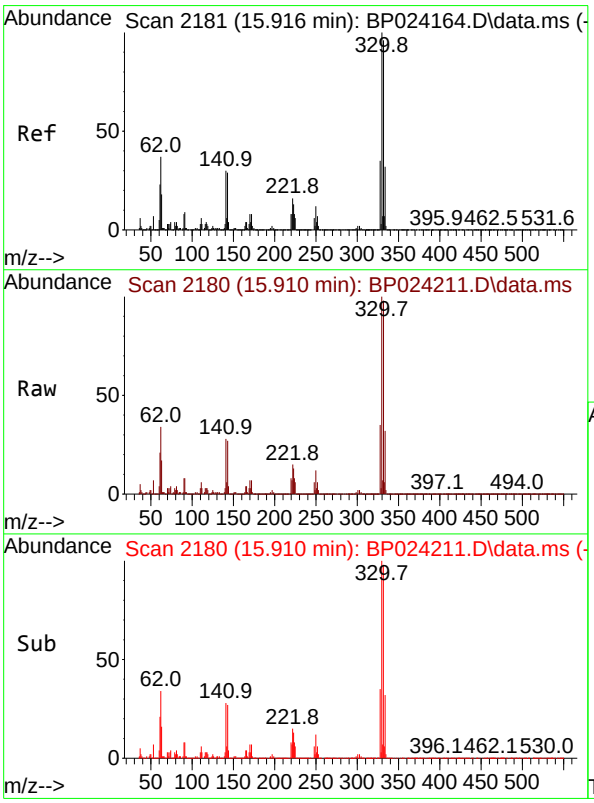

#41
Hexachlorocyclopentadiene
Concen: 42.069 ng
RT: 12.540 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:237 Resp: 387852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.2 | 41.8 | 81.8 |
| 272 | 14.3 | 0.0 | 33.5 |

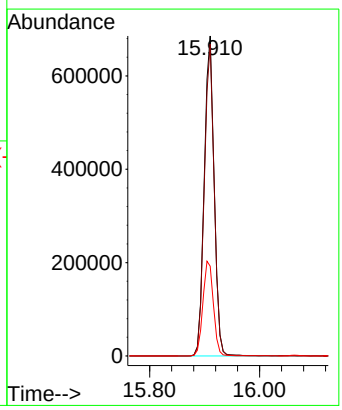


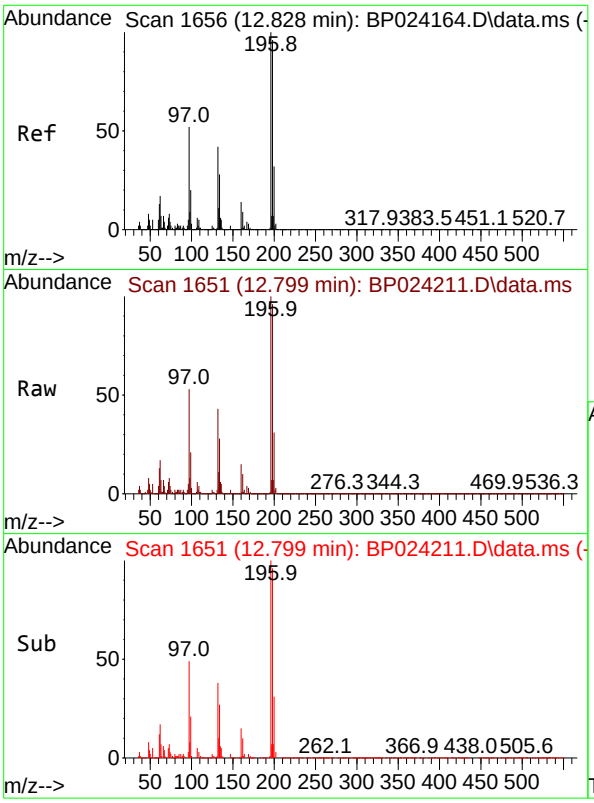




#42
2,4,6-Tribromophenol
Concen: 76.789 ng
RT: 15.910 min Scan# 2180
Delta R.T. -0.006 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:330 Resp: 855806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.2 | 77.6 | 116.4 |
| 141 | 31.5 | 25.0 | 37.6 |



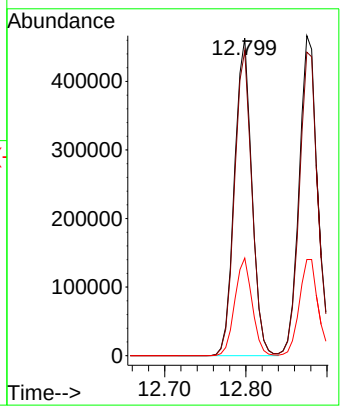


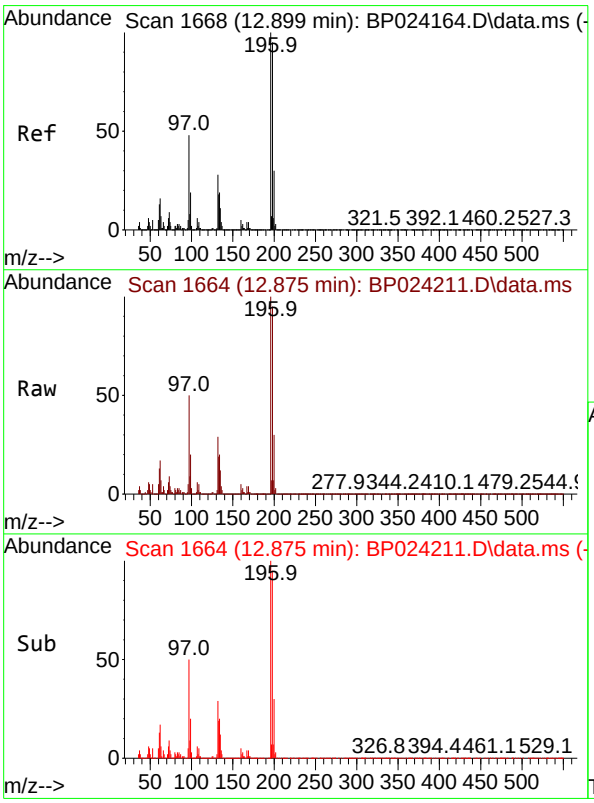

#43
2,4,6-Trichlorophenol
Concen: 42.283 ng
RT: 12.799 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:196 Resp: 687273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.0 | 76.6 | 115.0 |
| 200 | 30.8 | 25.4 | 38.0 |

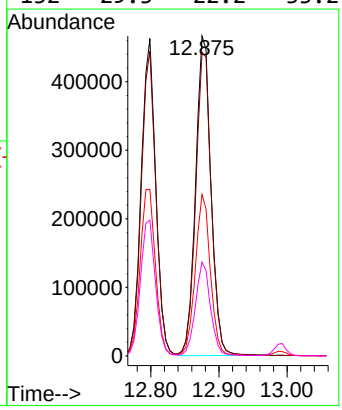


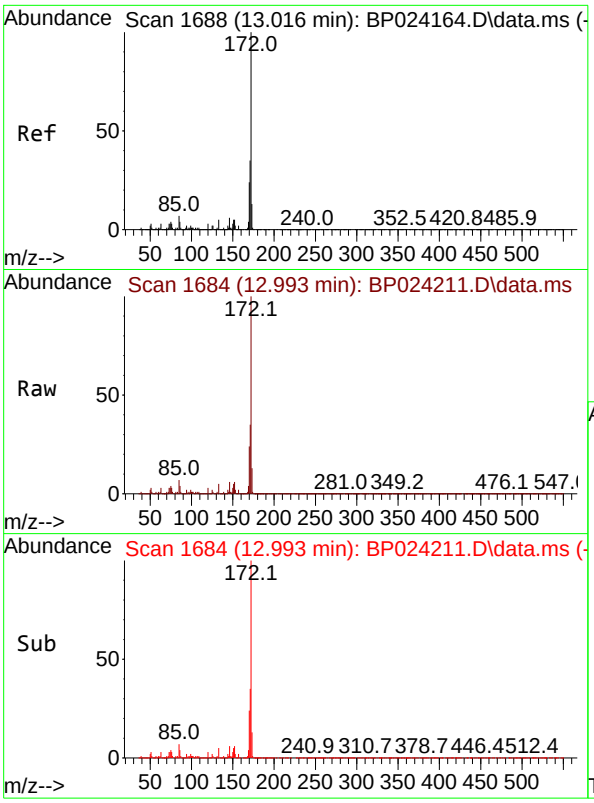




#44
2,4,5-Trichlorophenol
Concen: 41.234 ng
RT: 12.875 min Scan# 1664
Delta R.T. -0.023 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:196 Resp: 735015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 94.8 | 76.5 | 114.7 |
| 97 | 50.5 | 38.7 | 58.1 |
| 132 | 29.3 | 22.2 | 33.2 |



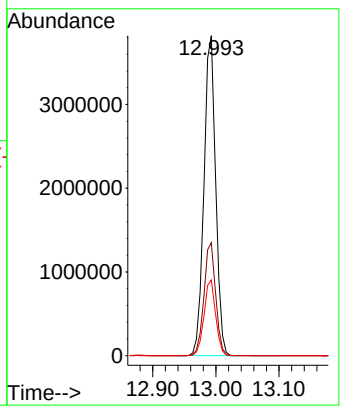


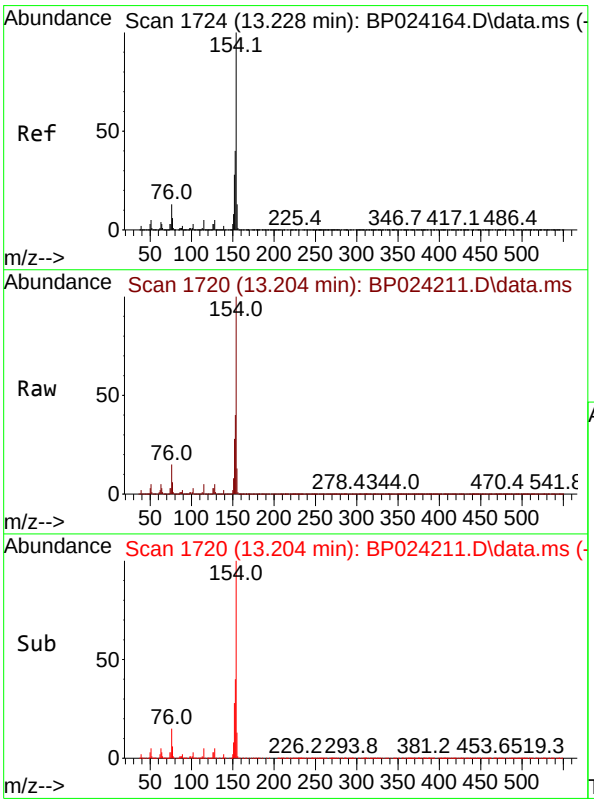

#45
2-Fluorobiphenyl
Concen: 82.015 ng
RT: 12.993 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:172 Resp: 4921252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 28.3 | 42.5 |
| 170 | 23.7 | 19.0 | 28.4 |

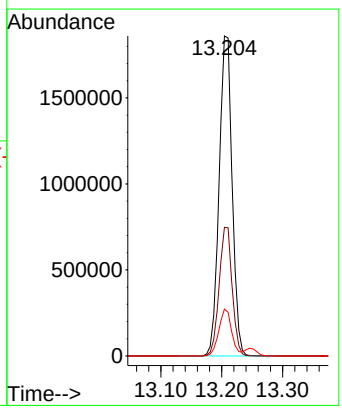


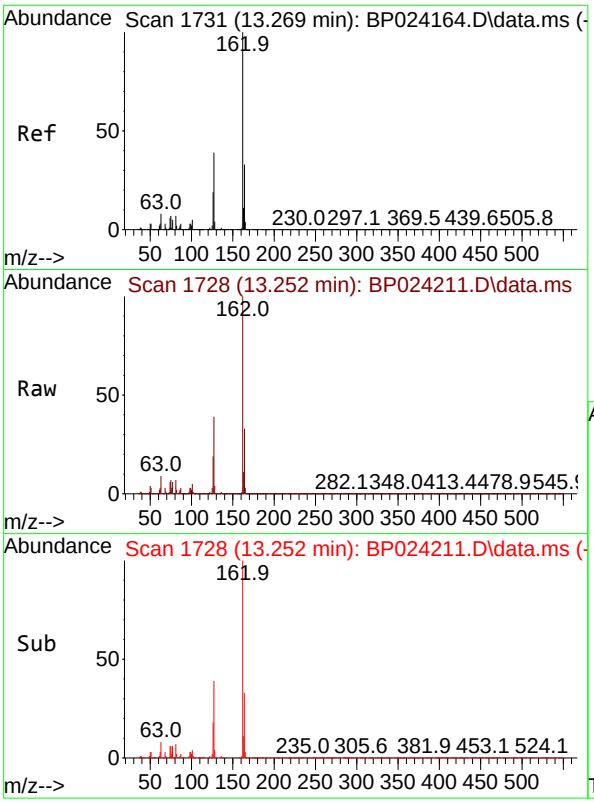




#46
1,1'-Biphenyl
Concen: 41.516 ng
RT: 13.204 min Scan# 1720
Delta R.T. -0.023 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:154 Resp: 2760283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.2 | 20.3 | 60.3 |
| 76 | 14.7 | 0.0 | 32.9 |



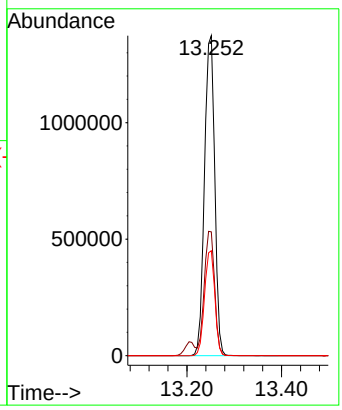


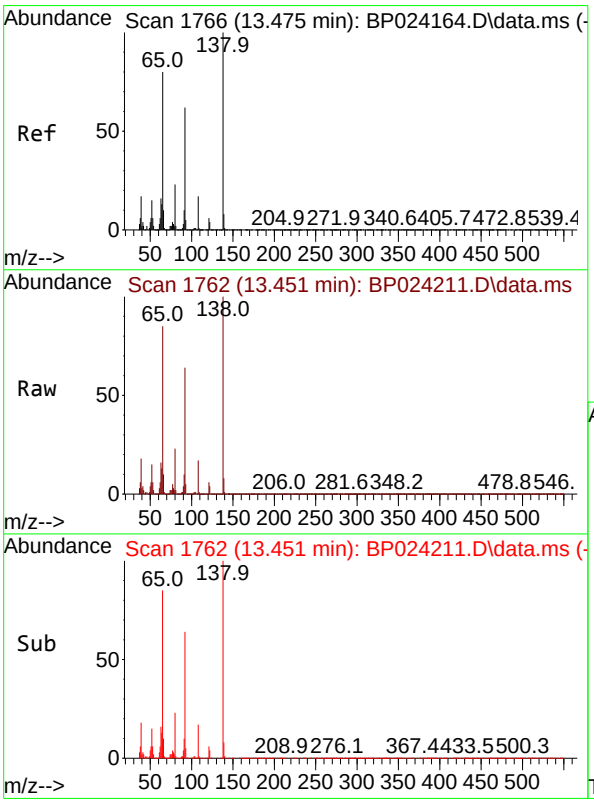

#47
2-Chloronaphthalene
Concen: 41.252 ng
RT: 13.252 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 2062992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 38.7 | 31.5 | 47.3 |
| 164 | 32.8 | 26.6 | 39.8 |

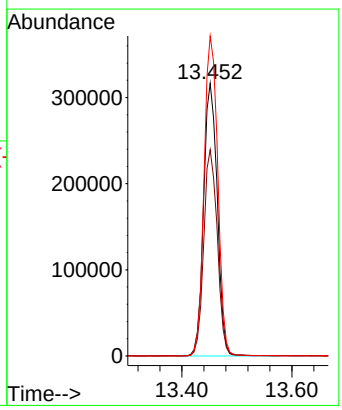


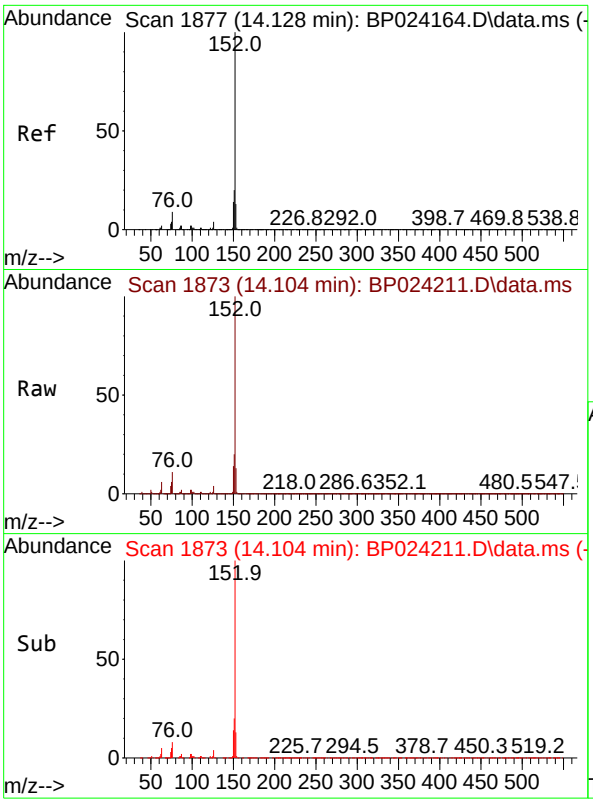




#48
2-Nitroaniline
Concen: 42.683 ng
RT: 13.451 min Scan# 1762
Delta R.T. -0.023 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion: 65 Resp: 545965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 75.7 | 62.1 | 93.1 |
| 138 | 117.4 | 99.5 | 149.3 |



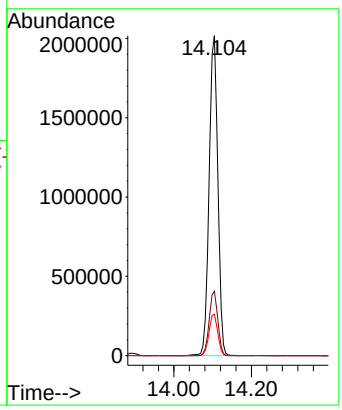


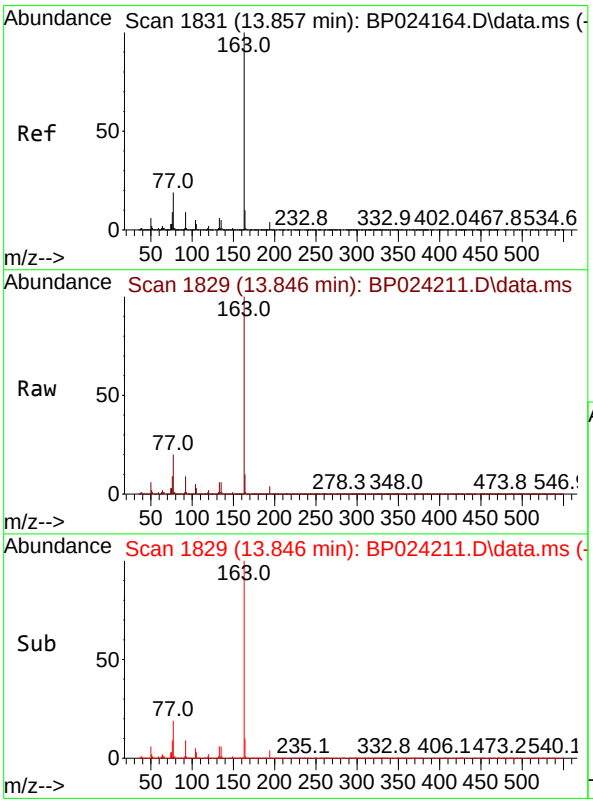

#49
Acenaphthylene
Concen: 41.603 ng
RT: 14.104 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 3148144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.0 | 24.0 |
| 153 | 13.0 | 10.6 | 15.8 |

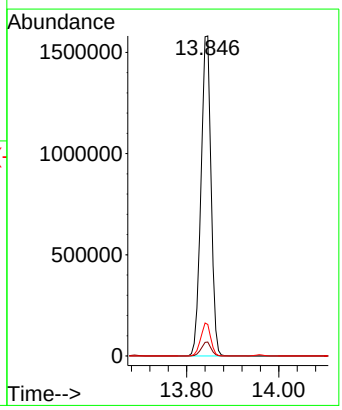


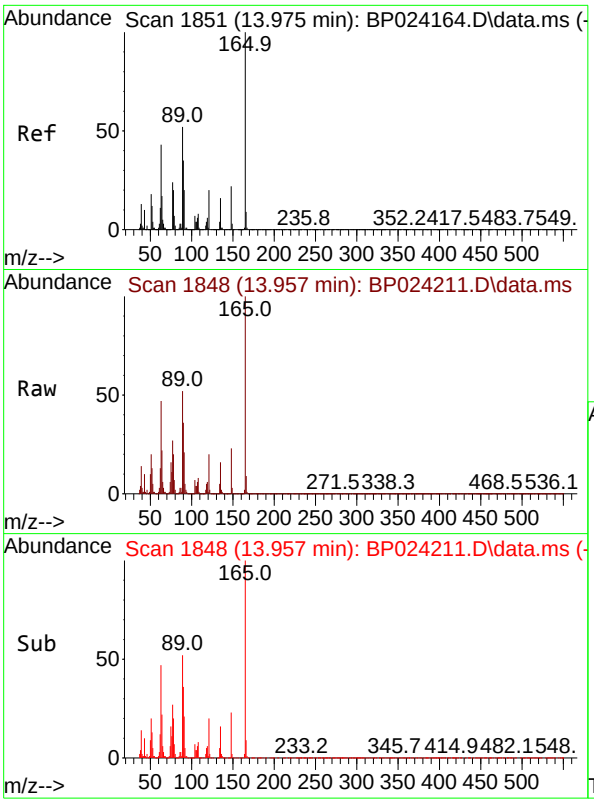




#50
Dimethylphthalate
Concen: 38.950 ng
RT: 13.846 min Scan# 1829
Delta R.T. -0.012 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:163 Resp: 2411403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.4 | 5.0 |
| 164 | 9.9 | 8.2 | 12.4 |



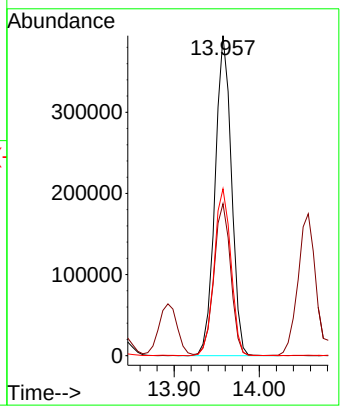


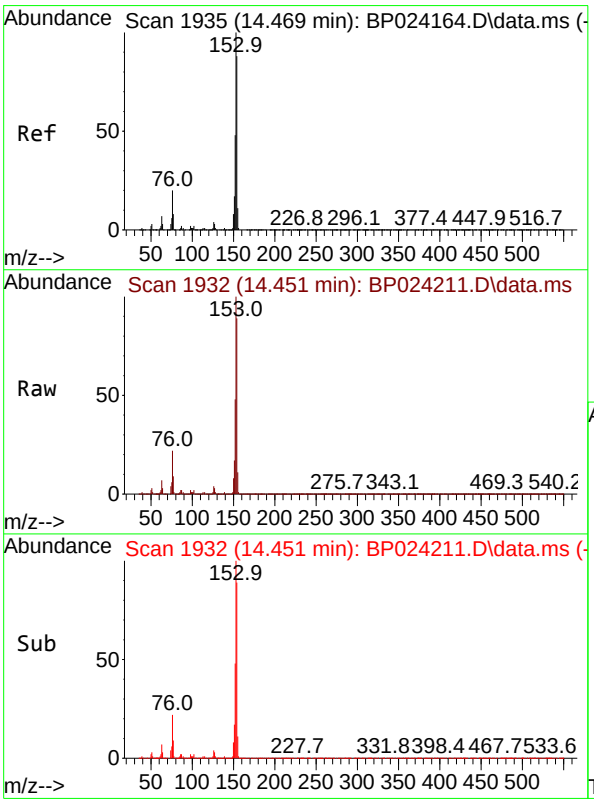

#51
2,6-Dinitrotoluene
Concen: 40.278 ng
RT: 13.957 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 524662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 47.5 | 37.7 | 56.5 |
| 89 | 52.1 | 41.9 | 62.9 |

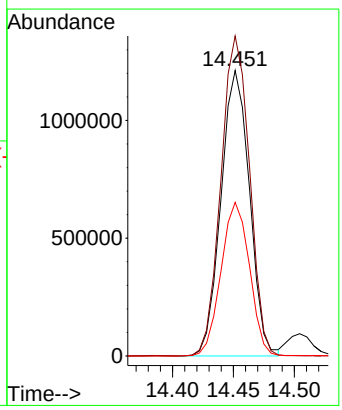


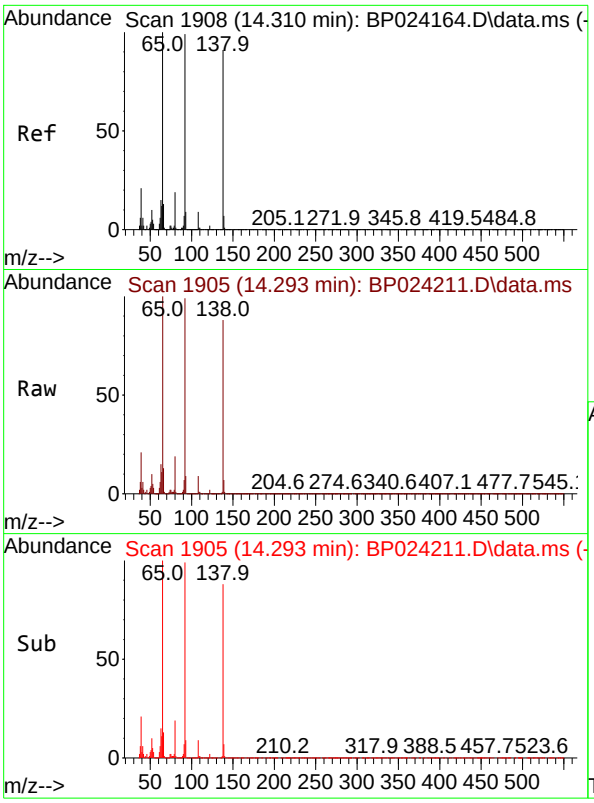




#52
Acenaphthene
Concen: 40.910 ng
RT: 14.451 min Scan# 1932
Delta R.T. -0.018 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:154 Resp: 1977936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.1 | 90.5 | 135.7 |
| 152 | 53.8 | 43.1 | 64.7 |



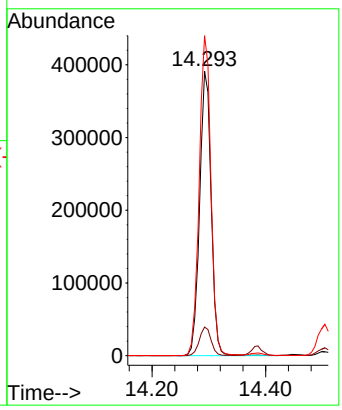


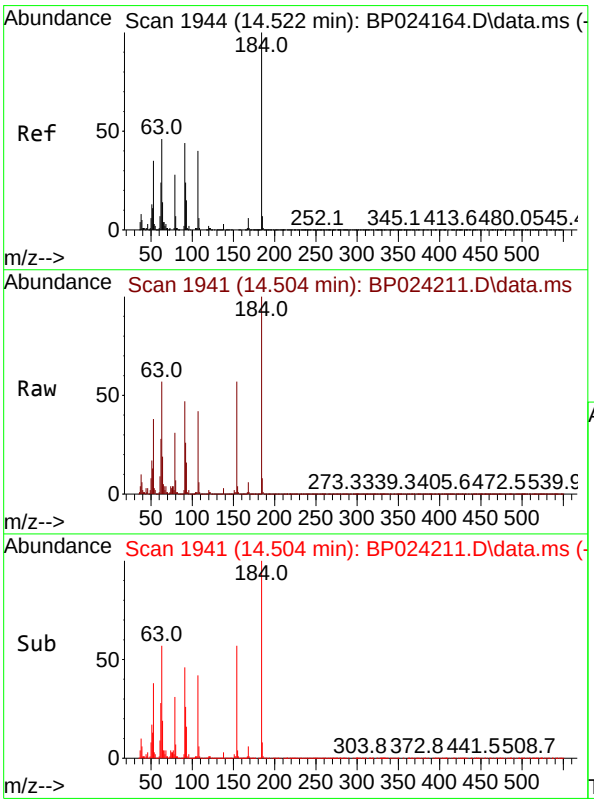

#53
3-Nitroaniline
Concen: 39.066 ng
RT: 14.293 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:138 Resp: 549621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.0 | 8.2 | 12.2 |
| 92 | 112.5 | 86.7 | 130.1 |

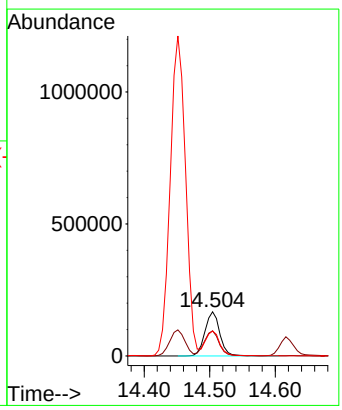


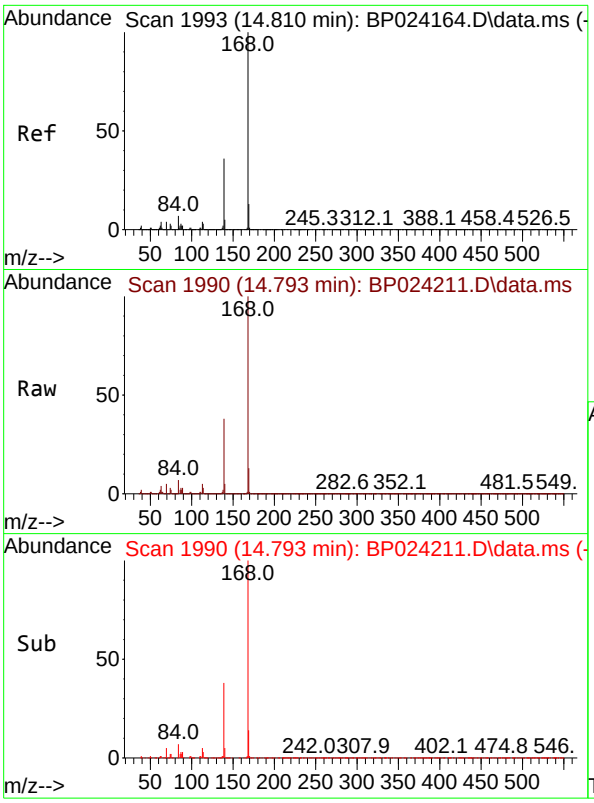




#54
2,4-Dinitrophenol
Concen: 38.187 ng
RT: 14.504 min Scan# 1941
Delta R.T. -0.018 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:184 Resp: 263202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 56.8 | 42.1 | 63.1 |
| 154 | 56.7 | 44.6 | 67.0 |



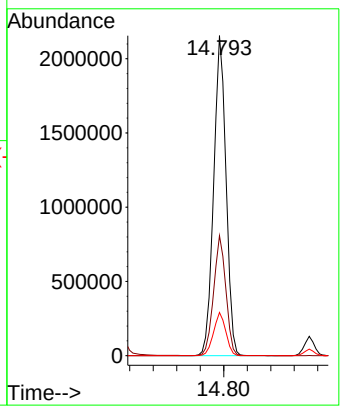


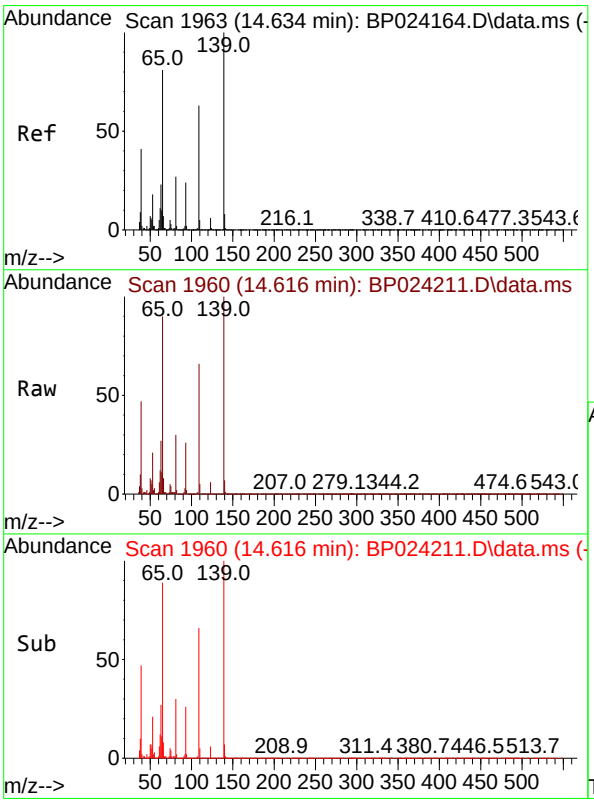

#55
Dibenzofuran
Concen: 40.164 ng
RT: 14.793 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:168 Resp: 3145411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.5 | 29.1 | 43.7 |
| 169 | 13.5 | 10.8 | 16.2 |

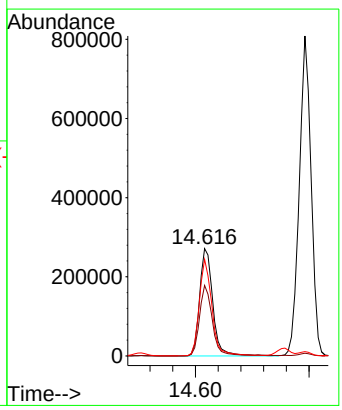


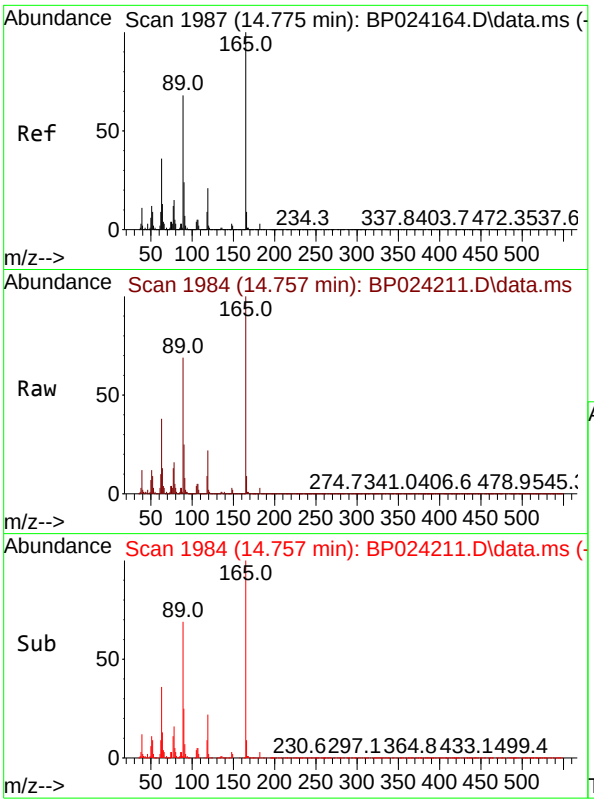




#56
4-Nitrophenol
Concen: 37.289 ng
RT: 14.616 min Scan# 1960
Delta R.T. -0.018 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:139 Resp: 438355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 65.7 | 43.3 | 83.3 |
| 65 | 90.0 | 61.2 | 101.2 |



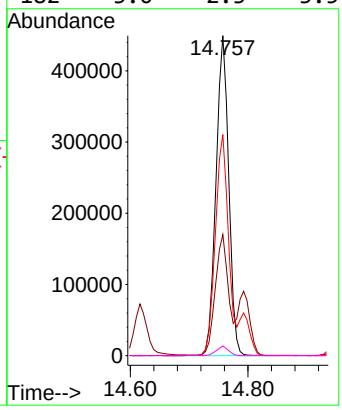


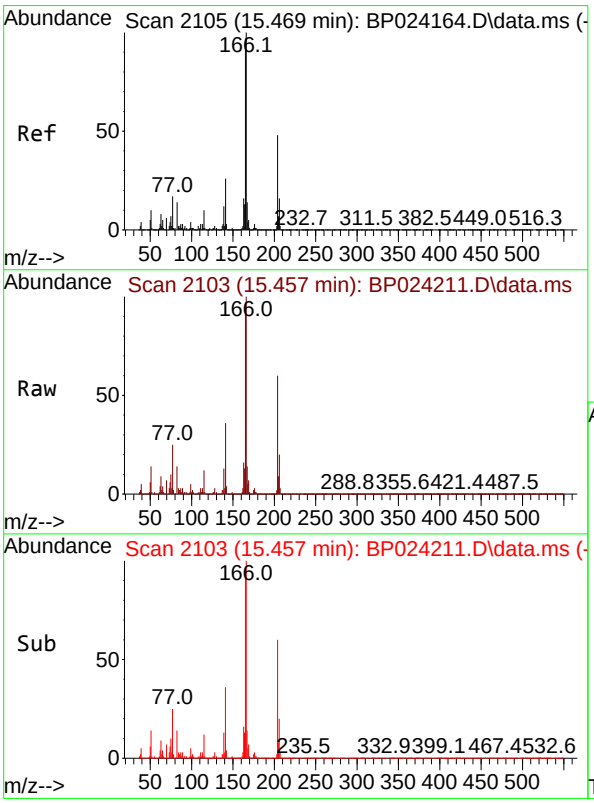

#57
2,4-Dinitrotoluene
Concen: 39.285 ng
RT: 14.757 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 675950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 37.8 | 29.0 | 43.6 |
| 89 | 69.1 | 54.2 | 81.4 |
| 182 | 3.0 | 2.3 | 3.5 |

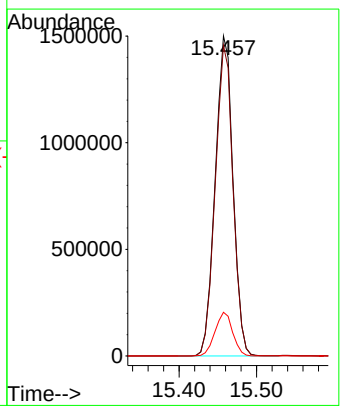


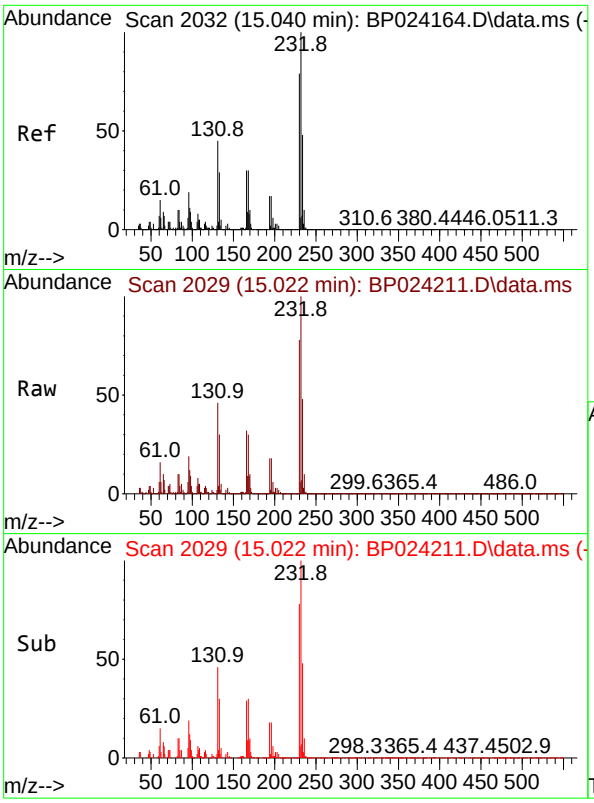




#58
Fluorene
Concen: 39.253 ng
RT: 15.457 min Scan# 2103
Delta R.T. -0.012 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:166 Resp: 2395113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.0 | 77.6 | 116.4 |
| 167 | 13.6 | 10.8 | 16.2 |



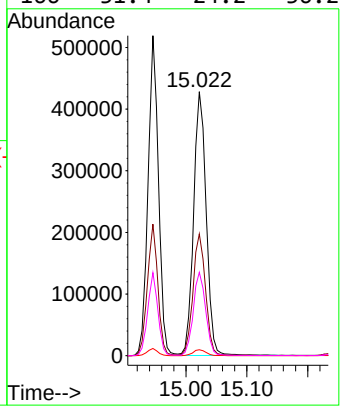


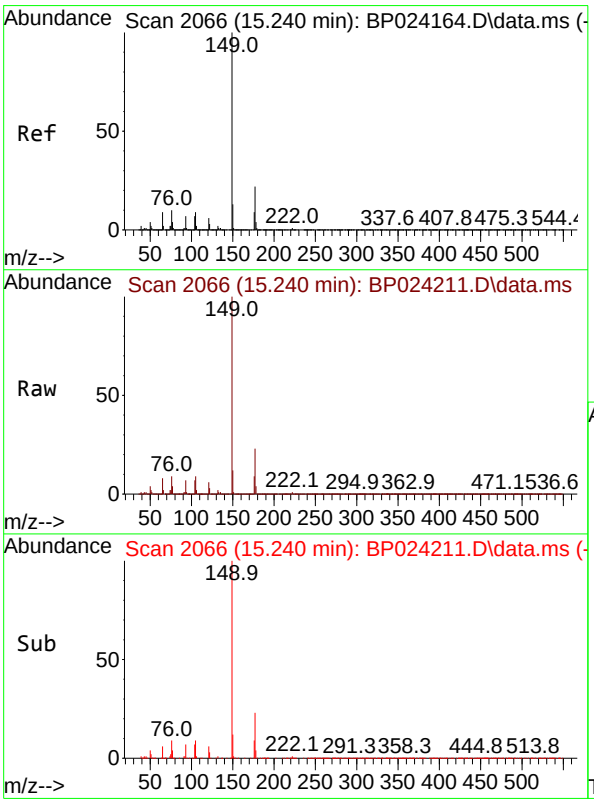

#59
2,3,4,6-Tetrachlorophenol
Concen: 39.095 ng
RT: 15.022 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:232 Resp: 615718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.6 | 35.9 | 53.9 |
| 130 | 2.4 | 1.8 | 2.6 |
| 166 | 31.4 | 24.2 | 36.2 |

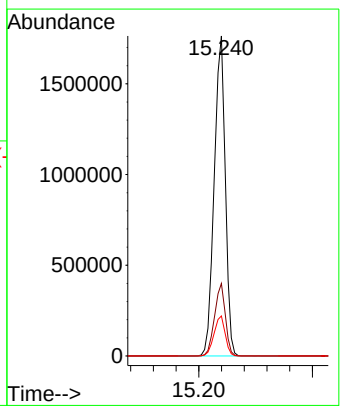


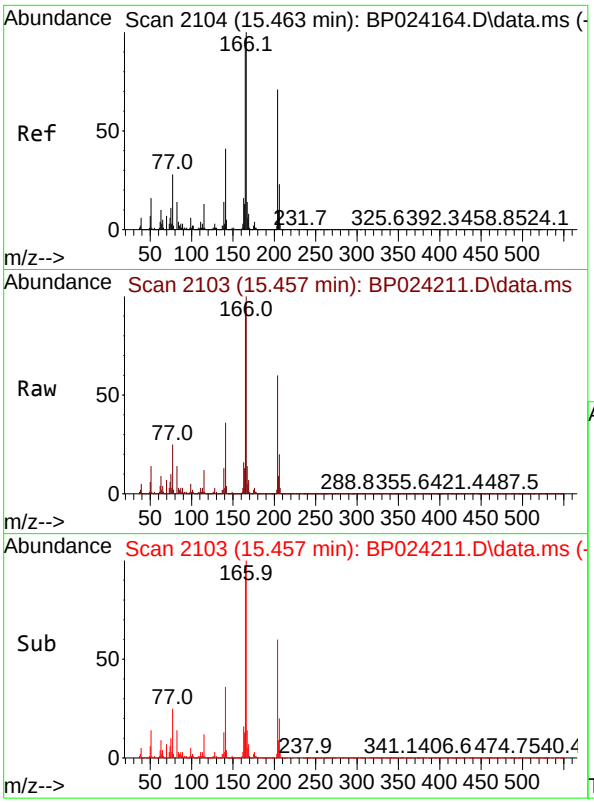




#60
Diethylphthalate
Concen: 38.612 ng
RT: 15.240 min Scan# 2066
Delta R.T. 0.000 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:149 Resp: 2380475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.6 | 17.7 | 26.5 |
| 150 | 12.5 | 10.2 | 15.4 |



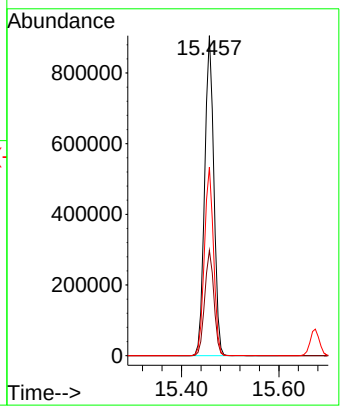


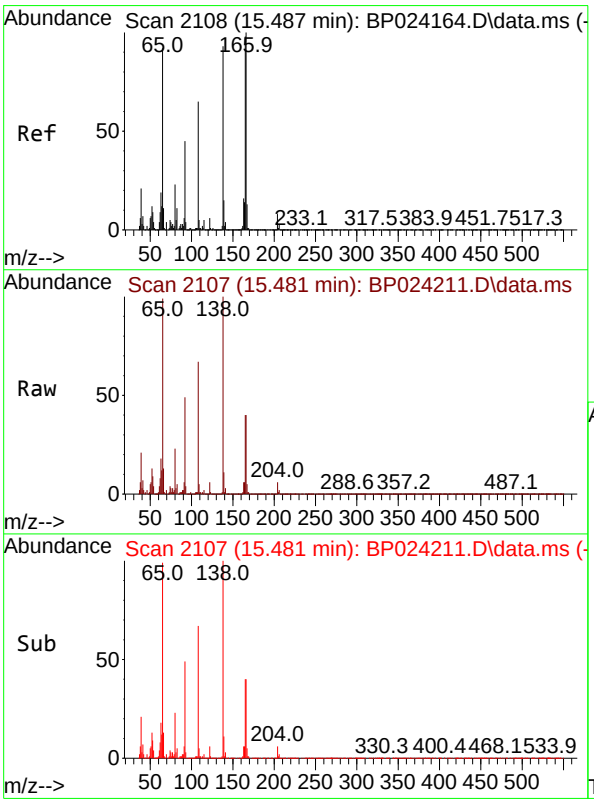

#61
4-Chlorophenyl-phenylether
Concen: 39.353 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:204 Resp: 1177747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.9 | 26.4 | 39.6 |
| 141 | 58.9 | 45.8 | 68.8 |

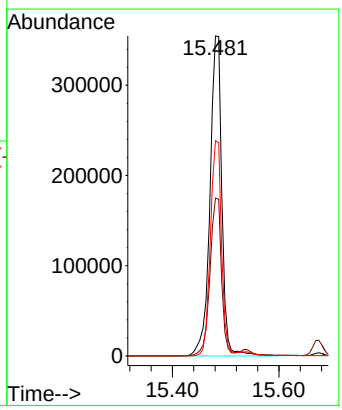


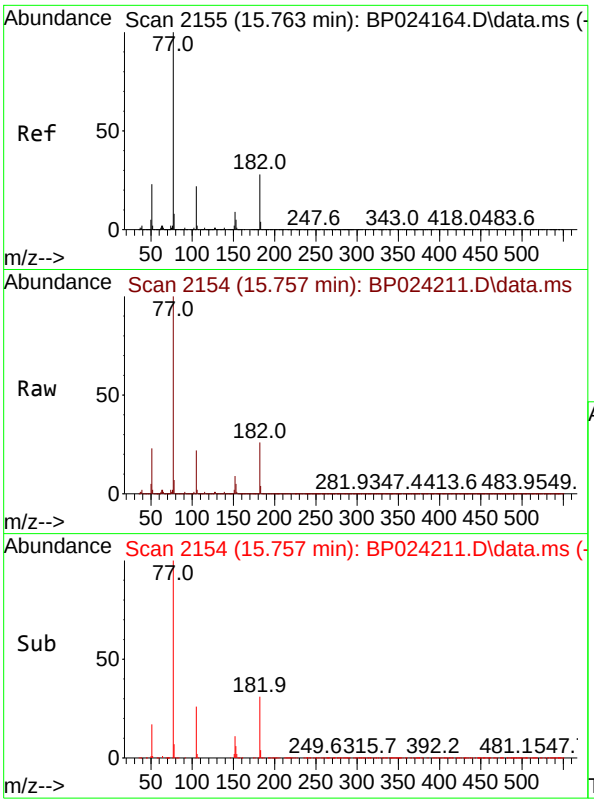




#62
4-Nitroaniline
Concen: 37.337 ng
RT: 15.481 min Scan# 2107
Delta R.T. -0.006 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:138 Resp: 550942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 49.3 | 28.7 | 68.7 |
| 108 | 67.3 | 49.5 | 89.5 |



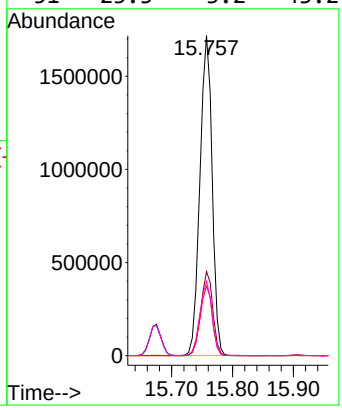


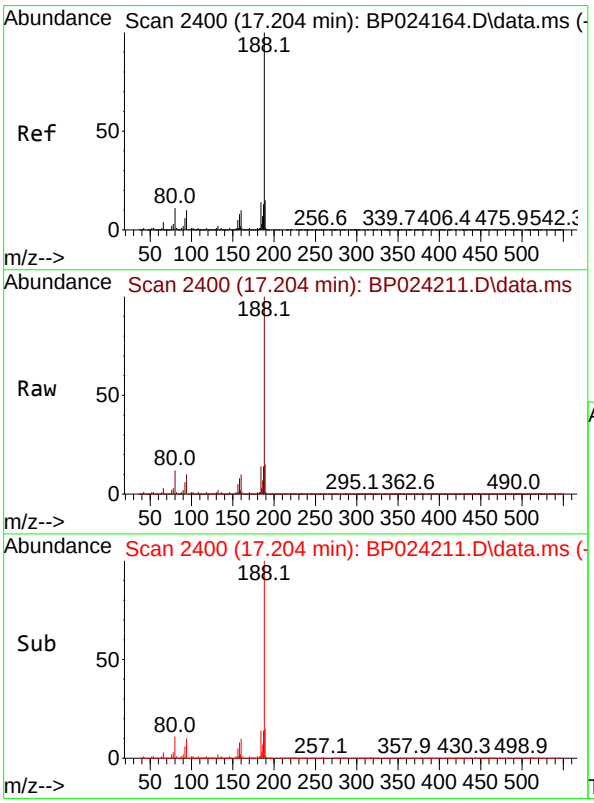

#63
Azobenzene
Concen: 41.241 ng
RT: 15.757 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 2396479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.3 | 7.7 | 47.7 |
| 105 | 21.7 | 2.3 | 42.3 |
| 51 | 23.3 | 3.2 | 43.2 |

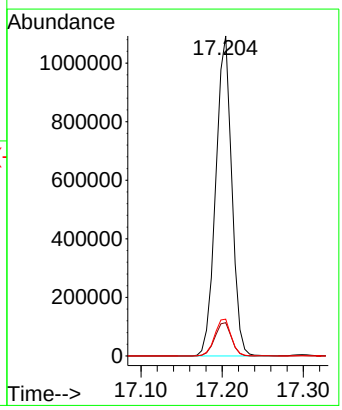


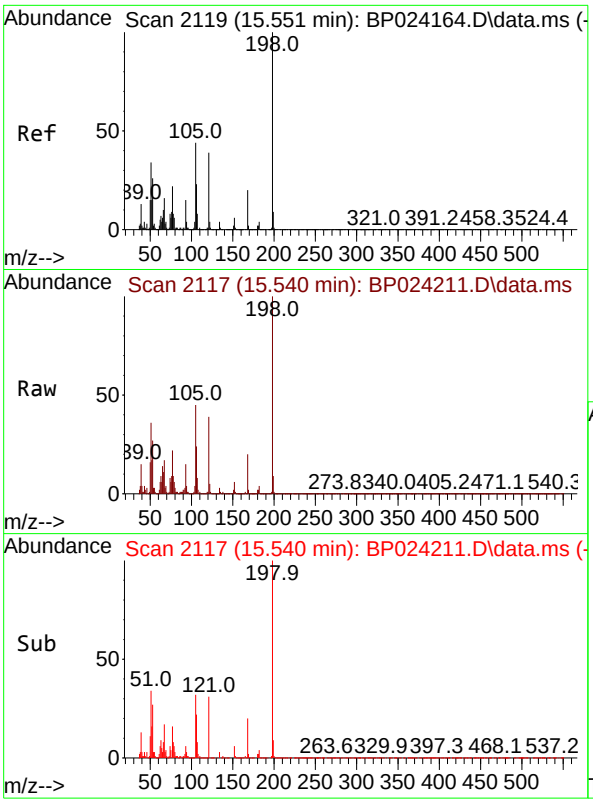




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2400
Delta R.T. 0.000 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:188 Resp: 1496179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.4 | 8.1 | 12.1 |
| 80 | 11.5 | 8.9 | 13.3 |



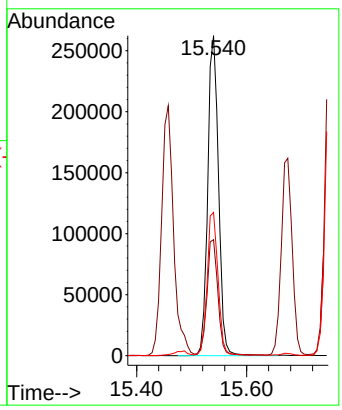


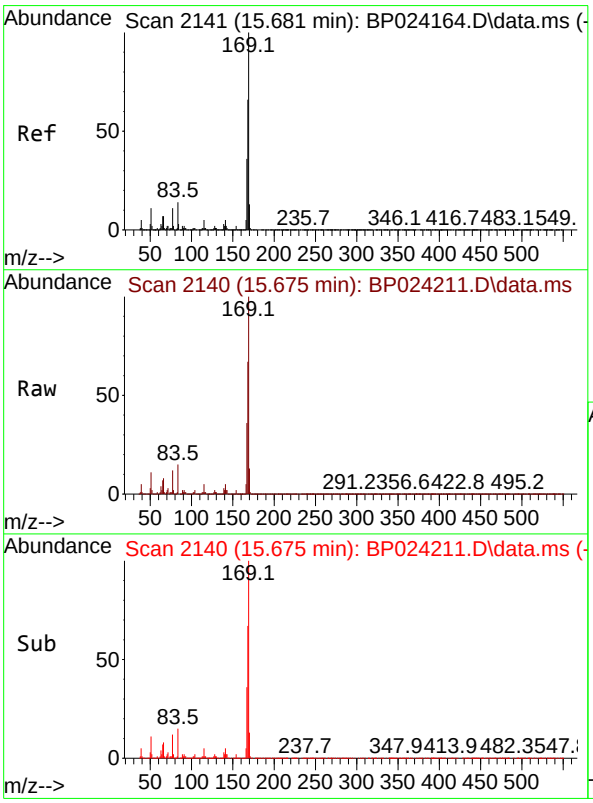

#65
4,6-Dinitro-2-methylphenol
Concen: 40.019 ng
RT: 15.540 min Scan# 21
Delta R.T. -0.011 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:198 Resp: 355454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 36.3 | 14.7 | 54.7 |
| 105 | 44.7 | 23.8 | 63.8 |

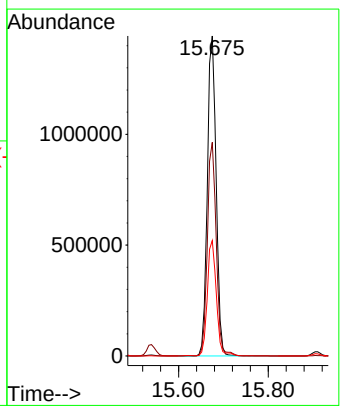


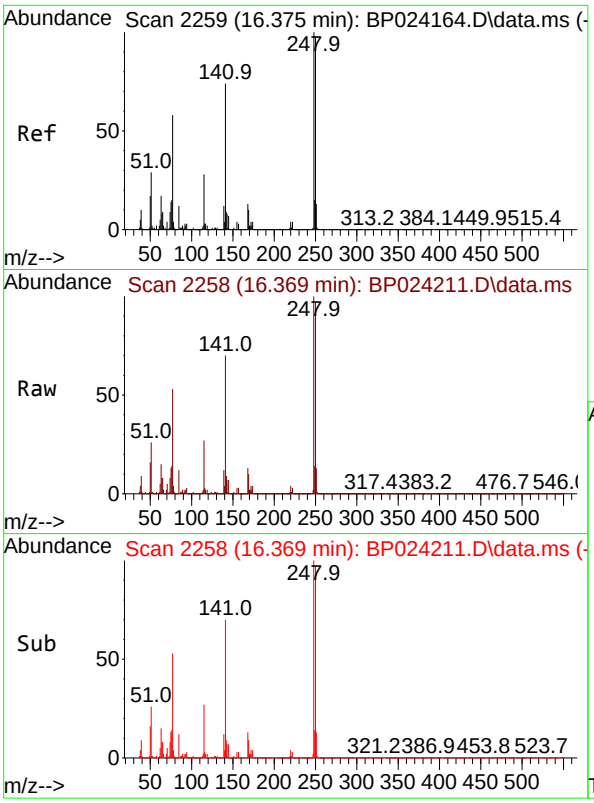




#66
n-Nitrosodiphenylamine
Concen: 43.144 ng
RT: 15.675 min Scan# 2140
Delta R.T. -0.006 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:169 Resp: 1960186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.7 | 52.9 | 79.3 |
| 167 | 36.1 | 28.8 | 43.2 |



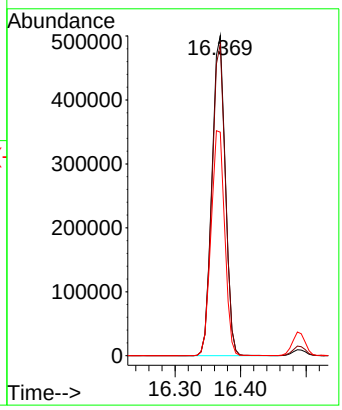


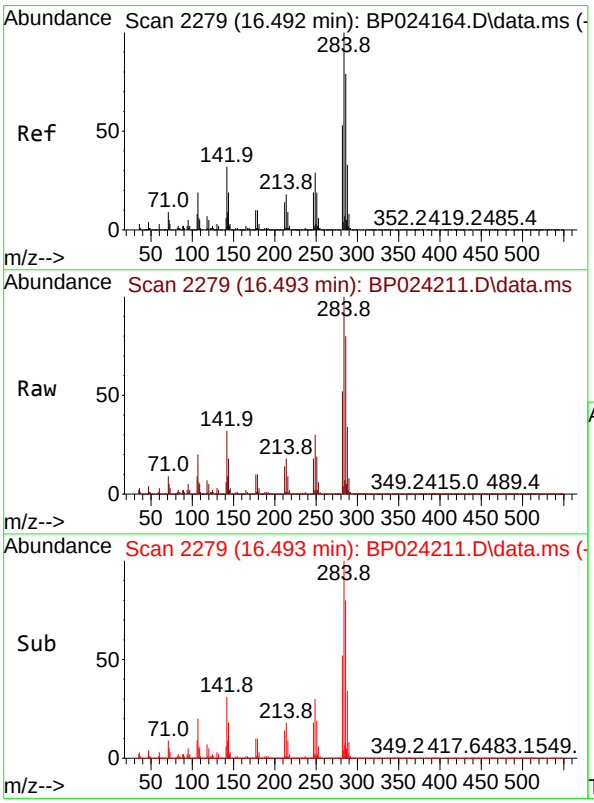

#67
4-Bromophenyl-phenylether
Concen: 43.113 ng
RT: 16.369 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:248 Resp: 708196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.3 | 78.4 | 117.6 |
| 141 | 69.8 | 59.4 | 89.0 |

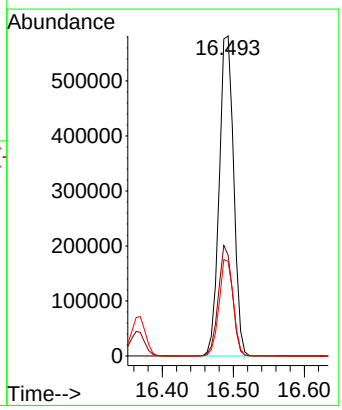


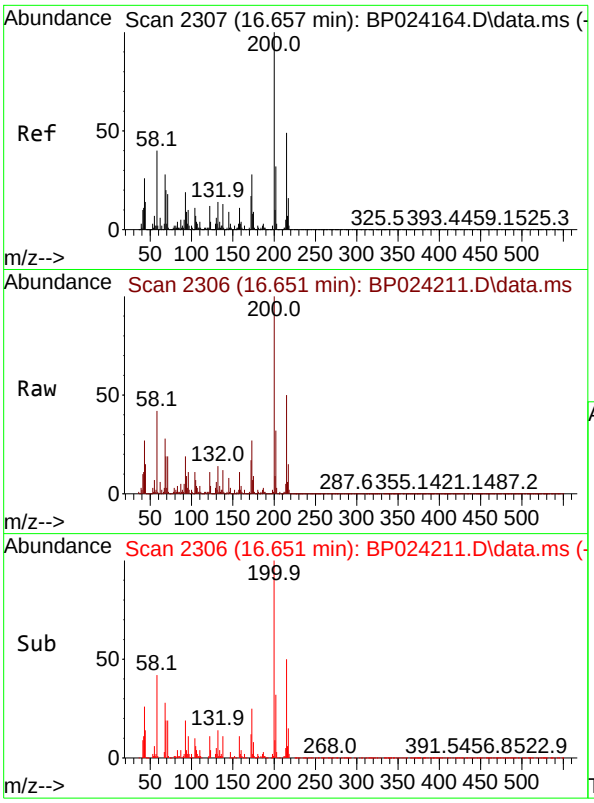




#68
Hexachlorobenzene
Concen: 42.056 ng
RT: 16.493 min Scan# 2279
Delta R.T. 0.000 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:284 Resp: 817684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.5 | 25.4 | 38.2 |
| 249 | 29.6 | 23.5 | 35.3 |



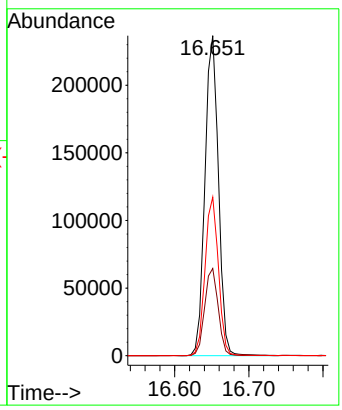


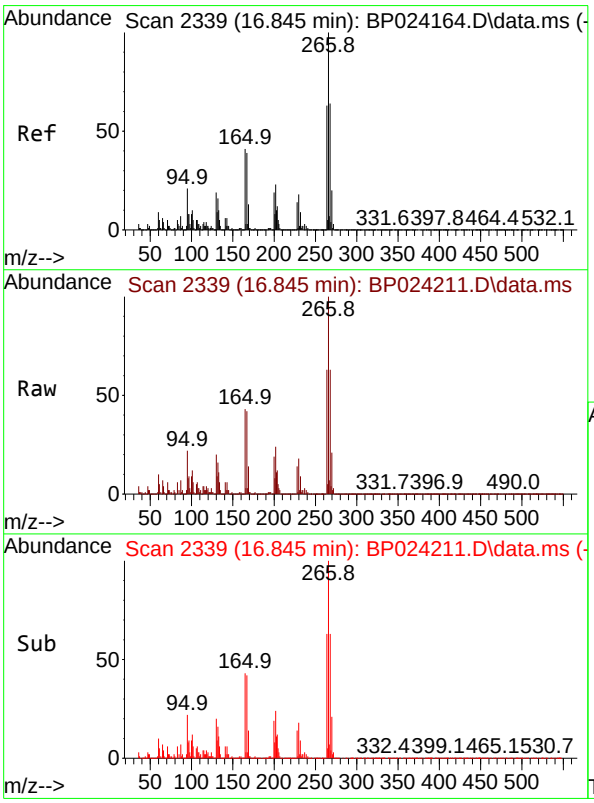

#69
Atrazine
Concen: 27.317 ng
RT: 16.651 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:200 Resp: 299567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.3 | 7.6 | 47.6 |
| 215 | 49.5 | 29.0 | 69.0 |

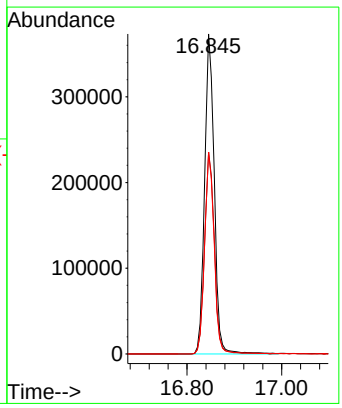


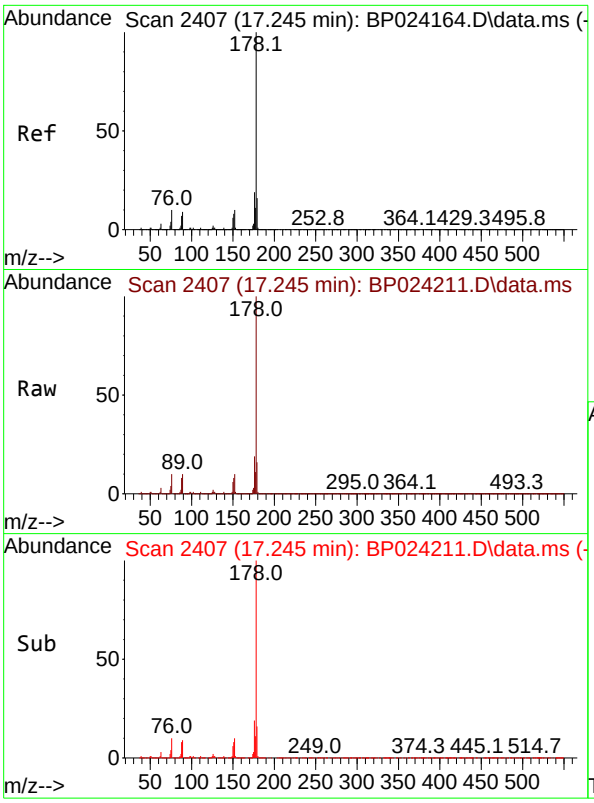




#70
Pentachlorophenol
Concen: 41.875 ng
RT: 16.845 min Scan# 2339
Delta R.T. 0.000 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:266 Resp: 526505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.1 | 51.3 | 76.9 |
| 264 | 63.1 | 50.6 | 76.0 |



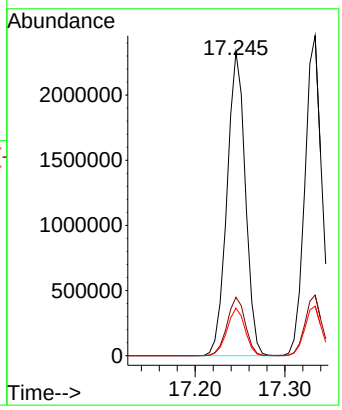


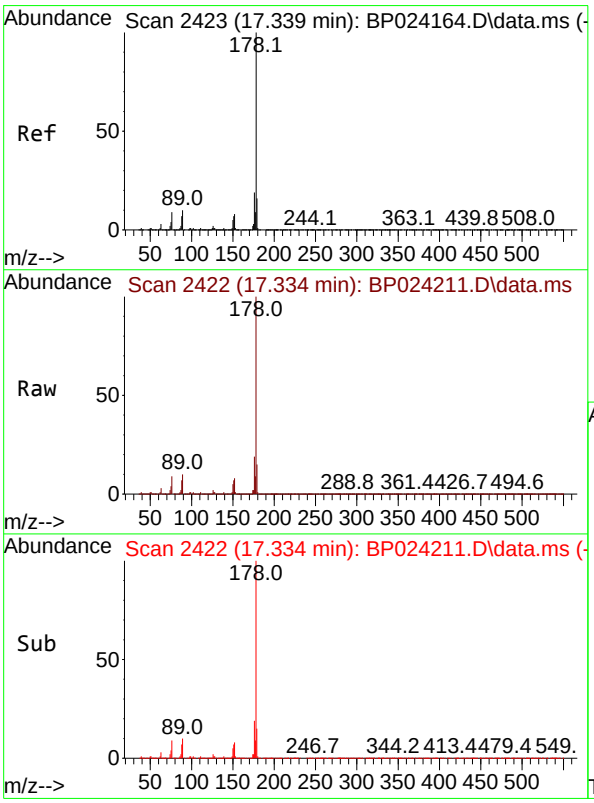

#71
Phenanthrene
Concen: 40.470 ng
RT: 17.245 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:178 Resp: 3307863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.6 | 23.4 |
| 179 | 15.7 | 12.5 | 18.7 |

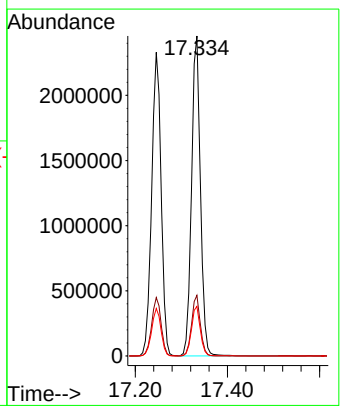


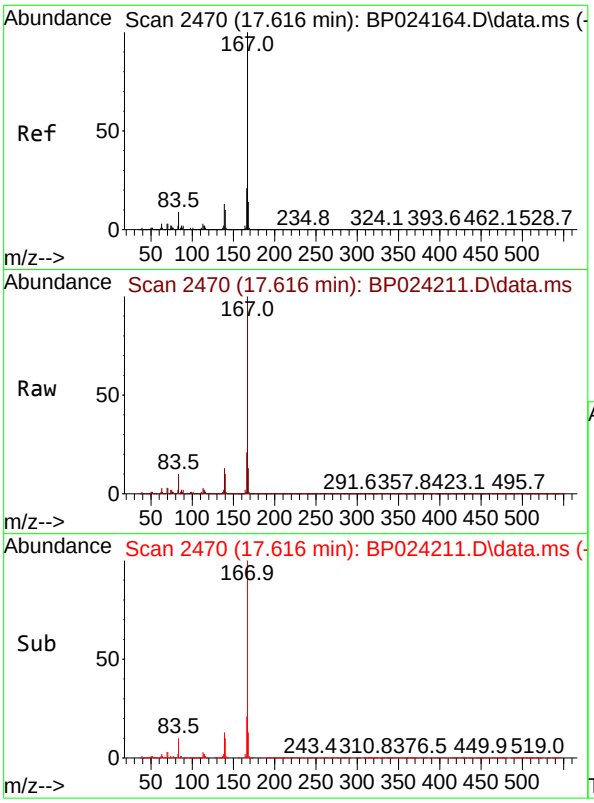




#72
Anthracene
Concen: 41.026 ng
RT: 17.334 min Scan# 2422
Delta R.T. -0.006 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:178 Resp: 3265969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.2 | 22.8 |
| 179 | 15.5 | 12.6 | 18.8 |



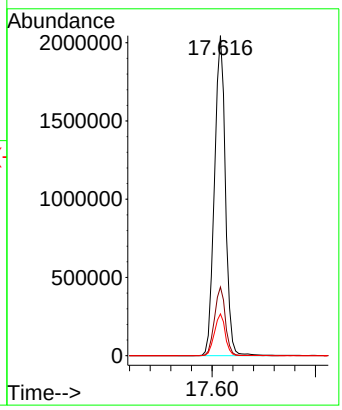


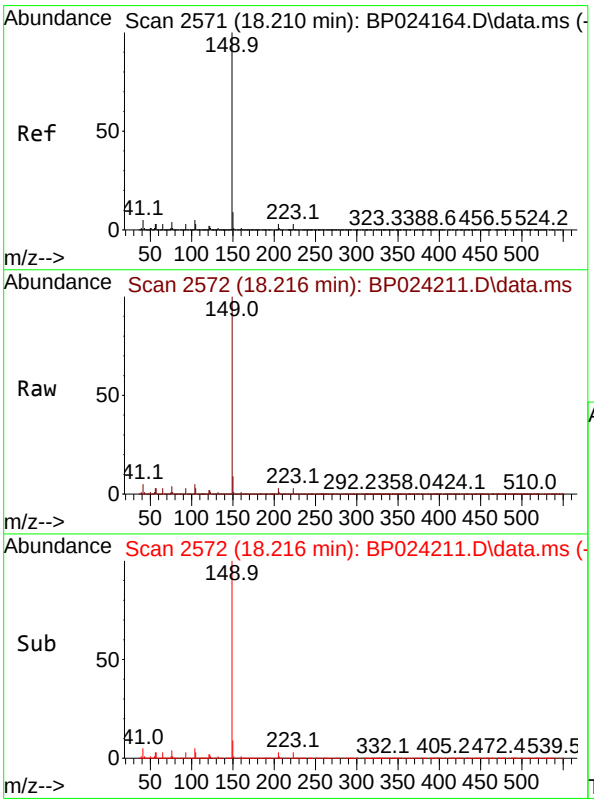

#73
Carbazole
Concen: 39.079 ng
RT: 17.616 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:167 Resp: 3000148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.4 | 17.1 | 25.7 |
| 139 | 13.0 | 10.2 | 15.4 |

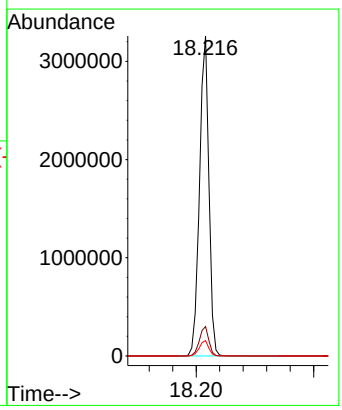


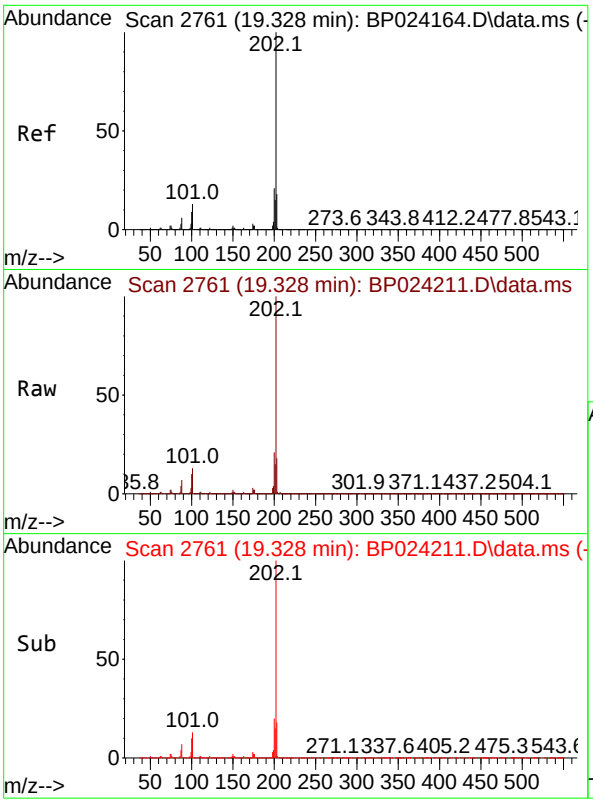




#74
Di-n-butylphthalate
Concen: 39.357 ng
RT: 18.216 min Scan# 2572
Delta R.T. 0.006 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:149 Resp: 3586861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.6 | 11.4 |
| 104 | 4.8 | 3.9 | 5.9 |



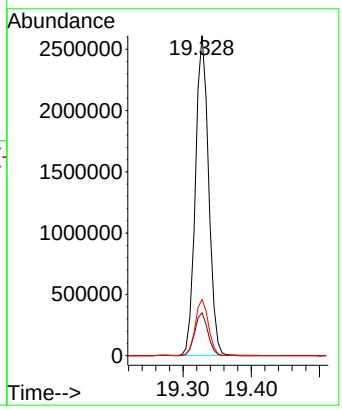


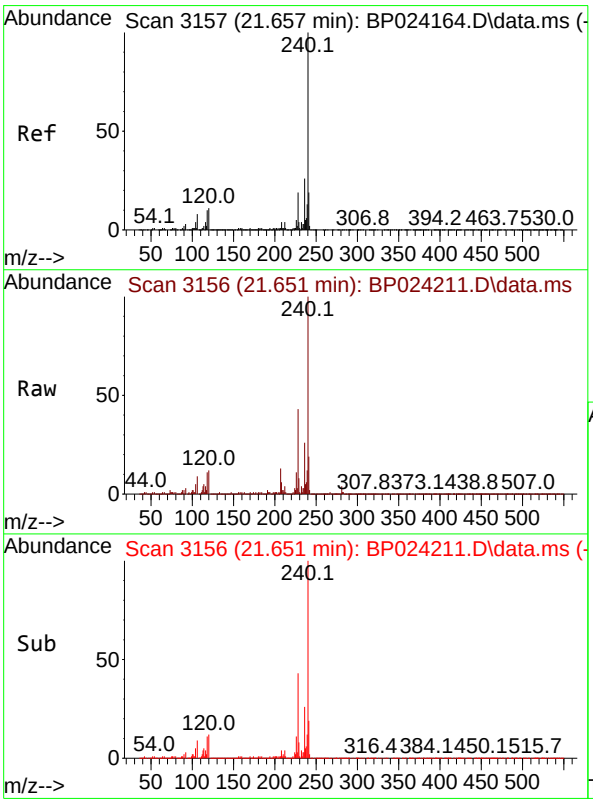

#75
Fluoranthene
Concen: 36.976 ng
RT: 19.328 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:202 Resp: 3500245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.4 | 0.0 | 32.5 |
| 203 | 17.6 | 0.0 | 37.9 |

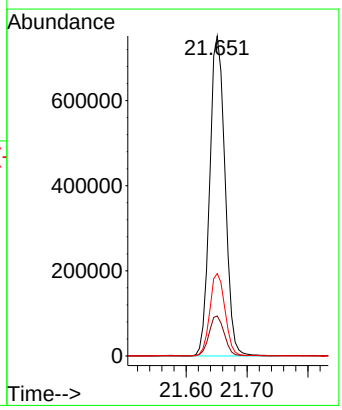


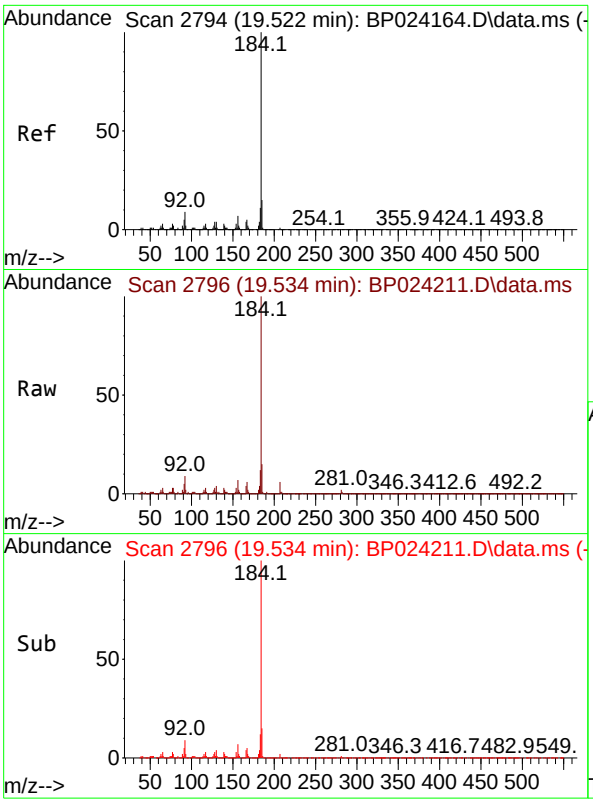




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.651 min Scan# 3156
Delta R.T. -0.006 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:240 Resp: 1314875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.5 | 9.2 | 13.8 |
| 236 | 25.7 | 20.4 | 30.6 |



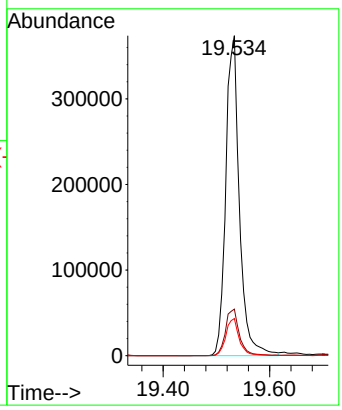


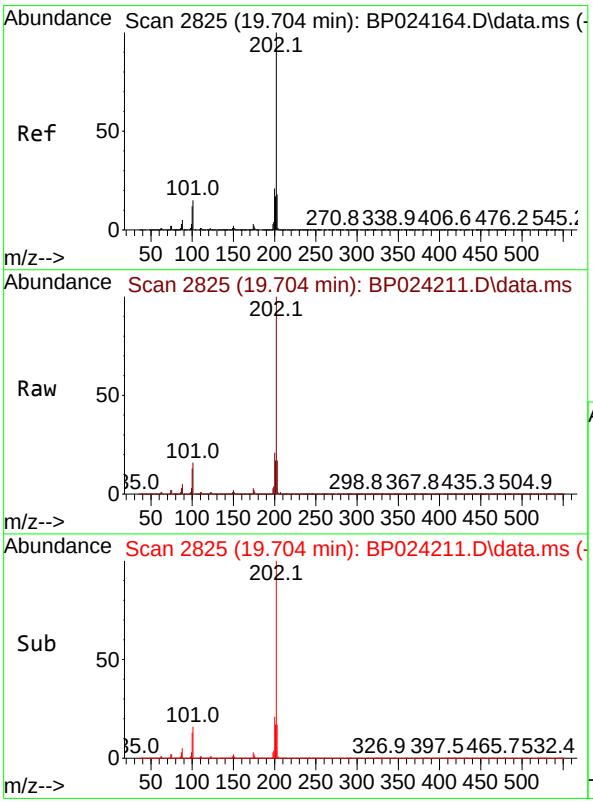

#77
Benzidine
Concen: 46.154 ng
RT: 19.534 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:184 Resp: 663514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.6 | 11.8 | 17.6 |
| 183 | 11.6 | 9.1 | 13.7 |

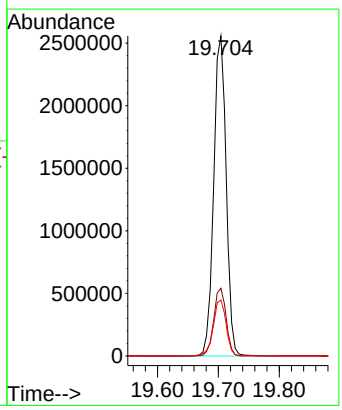


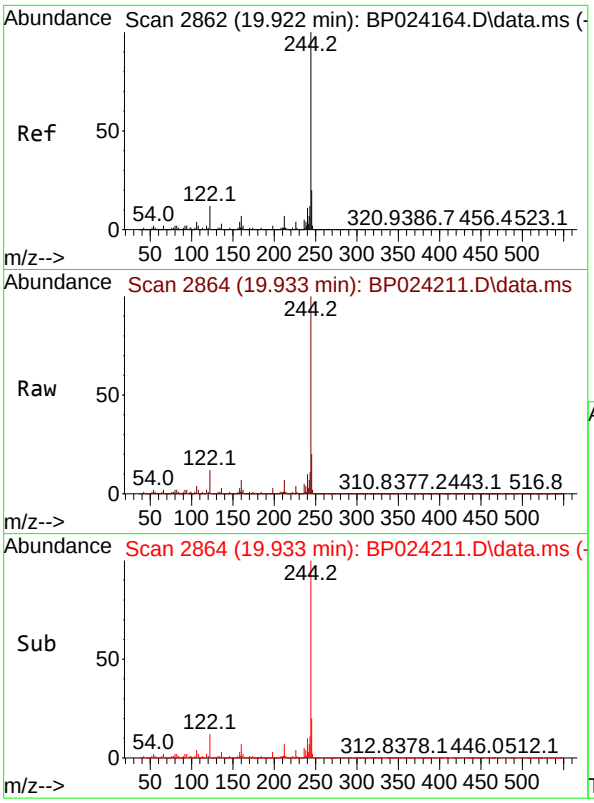




#78
Pyrene
Concen: 44.402 ng
RT: 19.704 min Scan# 2825
Delta R.T. 0.000 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:202 Resp: 3629606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 17.1 | 25.7 |
| 203 | 17.5 | 14.2 | 21.4 |



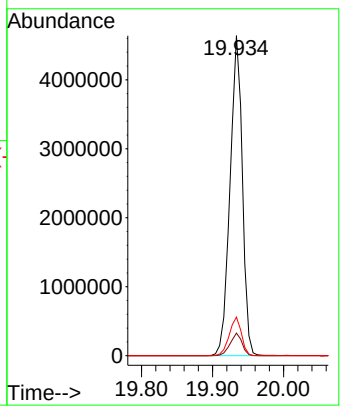


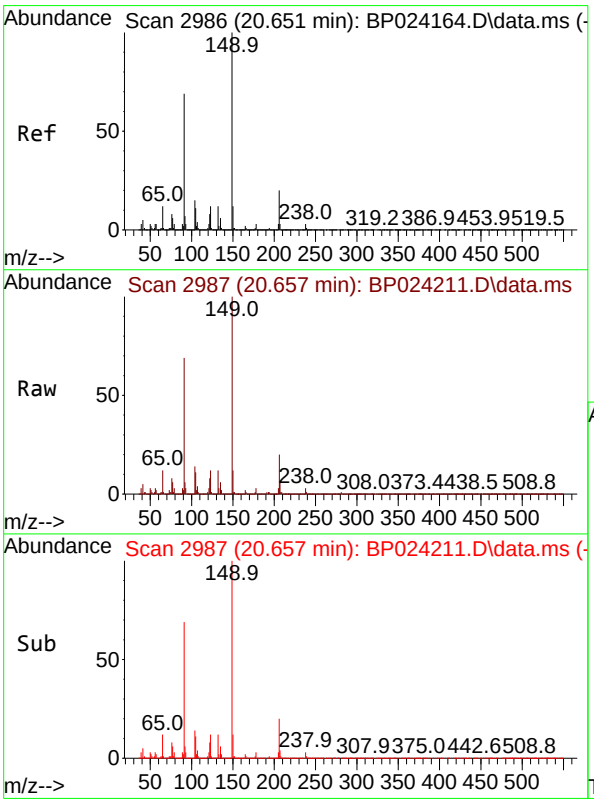

#79
Terphenyl-d14
Concen: 87.742 ng
RT: 19.933 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:244 Resp: 5589029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.7 | 8.5 |
| 122 | 12.1 | 9.6 | 14.4 |

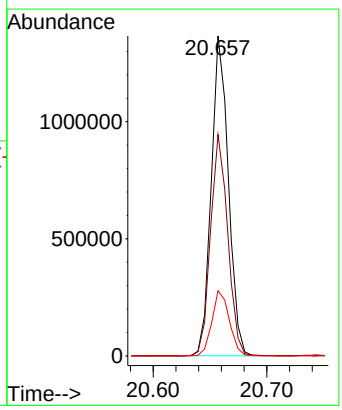


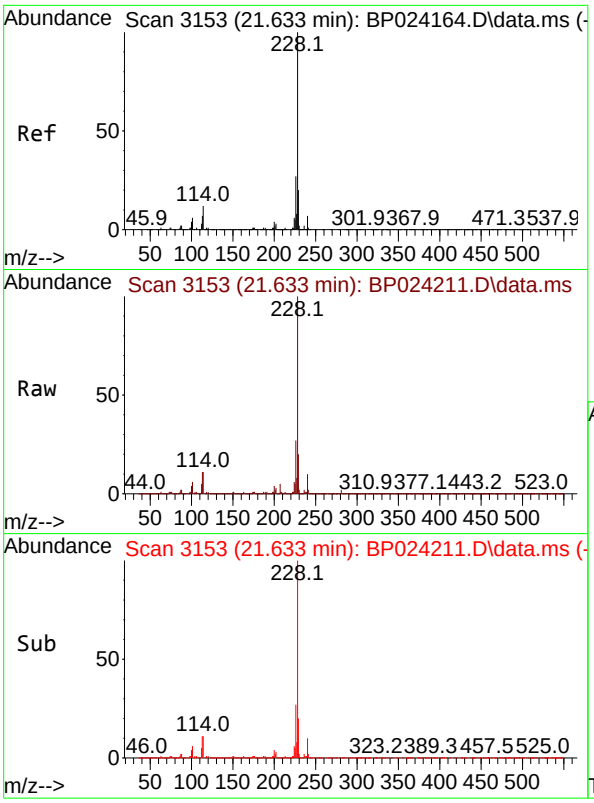




#80
Butylbenzylphthalate
Concen: 42.284 ng
RT: 20.657 min Scan# 2987
Delta R.T. 0.006 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:149 Resp: 1425388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 69.2 | 55.3 | 82.9 |
| 206 | 20.4 | 16.1 | 24.1 |



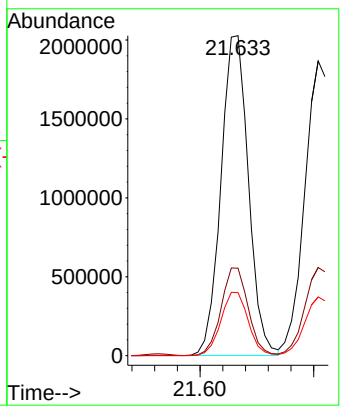


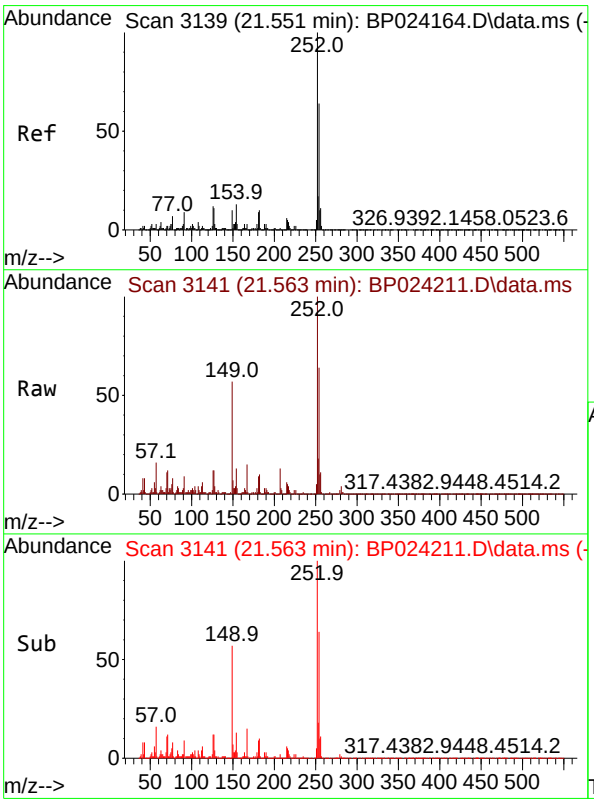

#81
Benzo(a)anthracene
Concen: 41.743 ng
RT: 21.633 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 3412419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.4 | 21.8 | 32.8 |
| 229 | 19.7 | 16.0 | 24.0 |

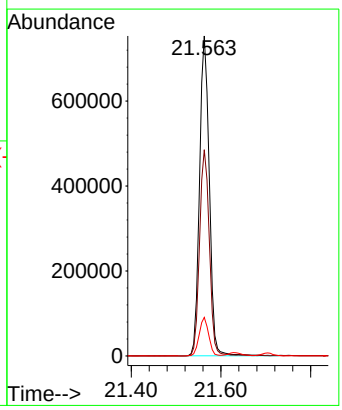


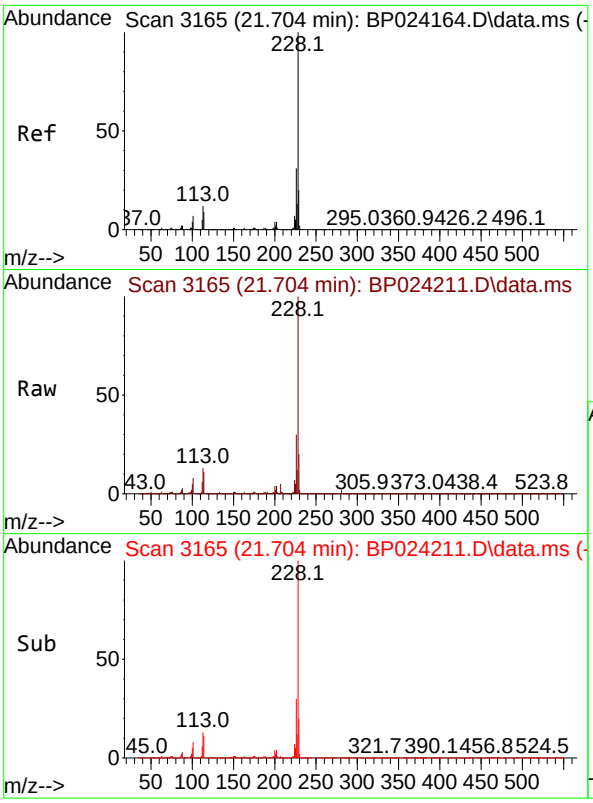




#82
3,3'-Dichlorobenzidine
Concen: 41.580 ng
RT: 21.563 min Scan# 3141
Delta R.T. 0.012 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:252 Resp: 1139237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.4 | 51.4 | 77.2 |
| 126 | 12.0 | 9.3 | 13.9 |



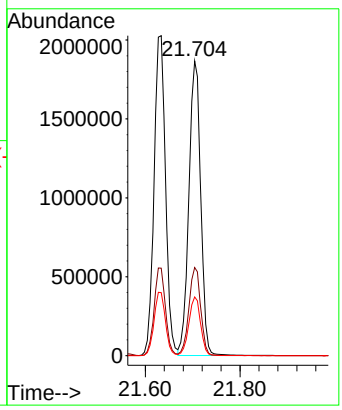


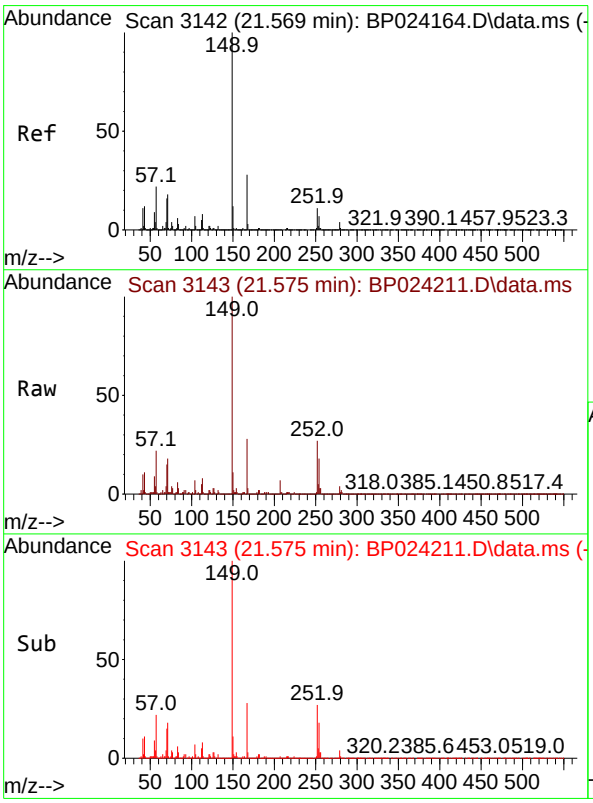

#83
Chrysene
Concen: 41.167 ng
RT: 21.704 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 3235178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 24.5 | 36.7 |
| 229 | 19.9 | 16.2 | 24.2 |

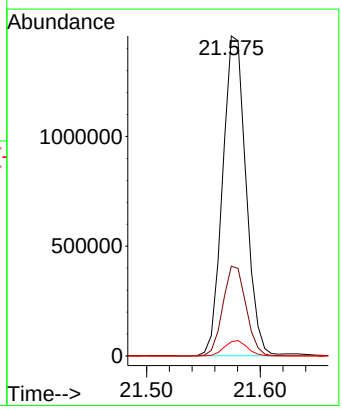


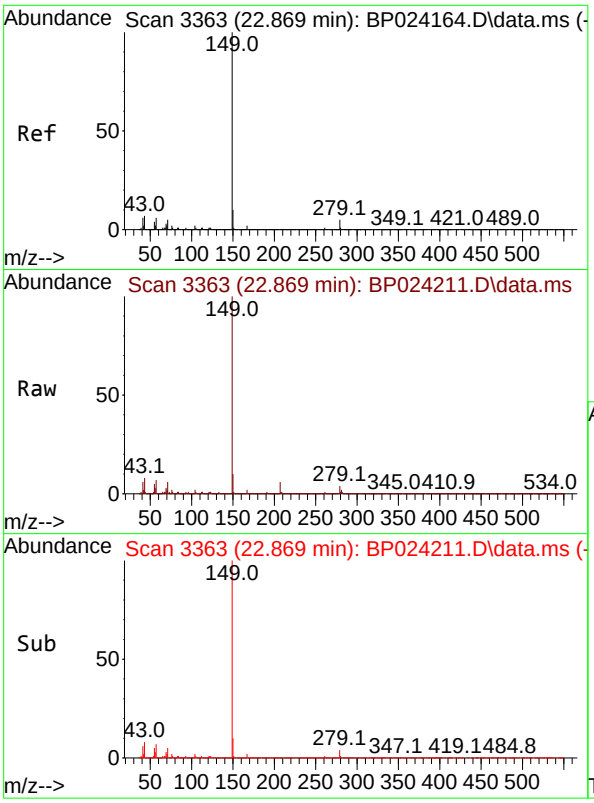




#84
Bis(2-ethylhexyl)phthalate
Concen: 40.864 ng
RT: 21.575 min Scan# 3143
Delta R.T. 0.006 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:149 Resp: 2078574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.1 | 22.5 | 33.7 |
| 279 | 4.5 | 3.6 | 5.4 |



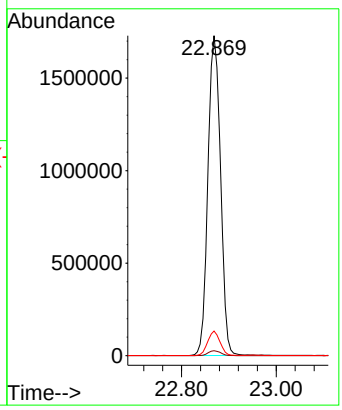


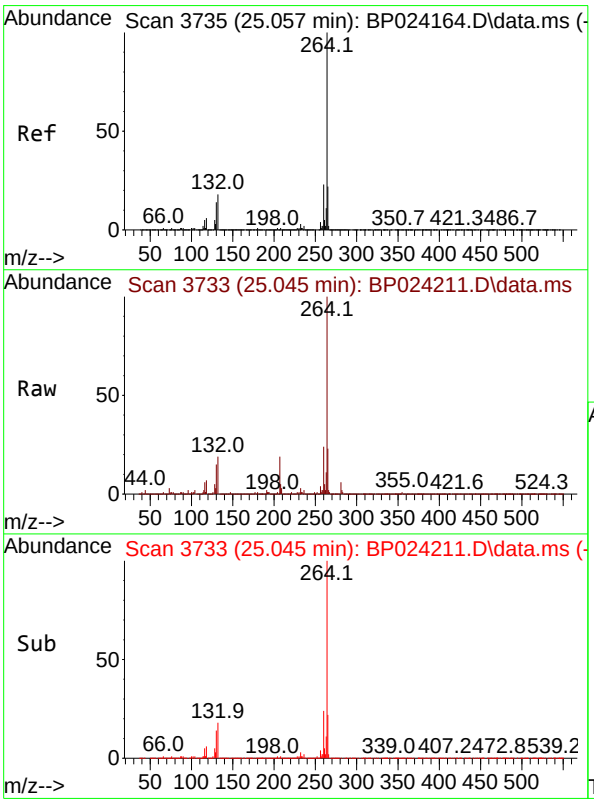

#85
Di-n-octyl phthalate
Concen: 39.264 ng
RT: 22.869 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:149 Resp: 3199932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.3 | 1.9 |
| 43 | 7.5 | 5.8 | 8.8 |

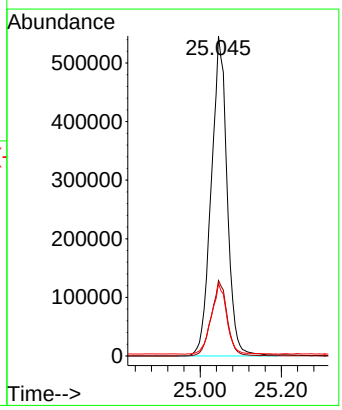


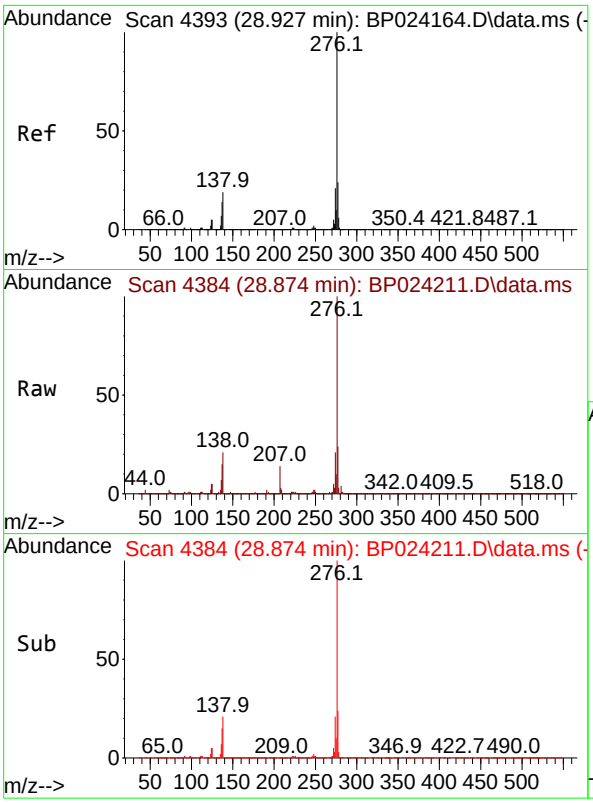




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.045 min Scan# 3733
Delta R.T. -0.012 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:264 Resp: 1482251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 18.5 | 27.7 |
| 265 | 22.7 | 17.7 | 26.5 |



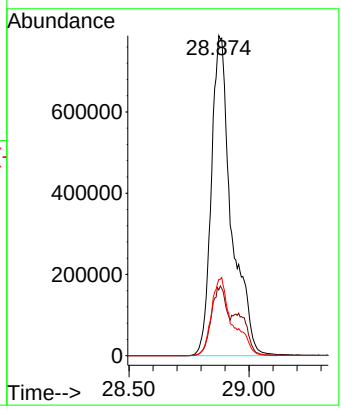


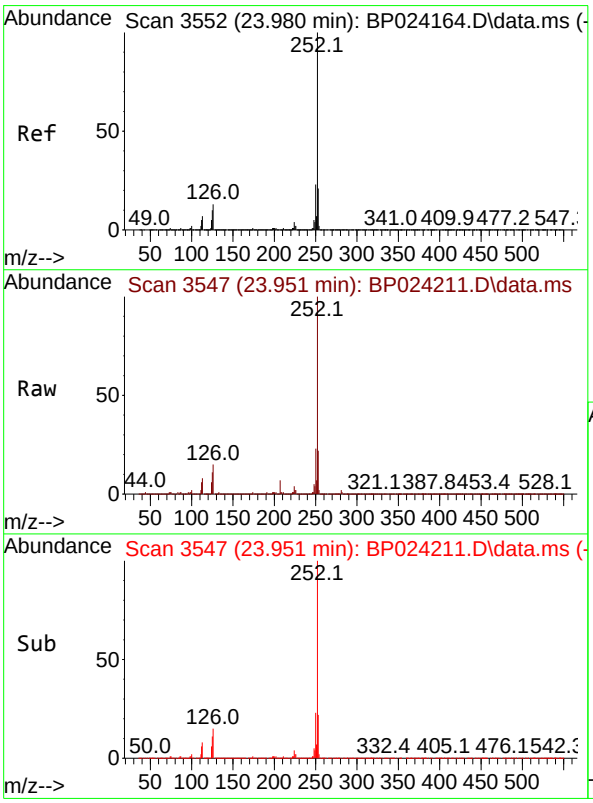

#87
Indeno(1,2,3-cd)pyrene
Concen: 44.328 ng
RT: 28.874 min Scan# 4
Delta R.T. -0.053 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:276 Resp: 4585755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.9 | 13.7 | 20.5 |
| 277 | 25.3 | 20.2 | 30.2 |

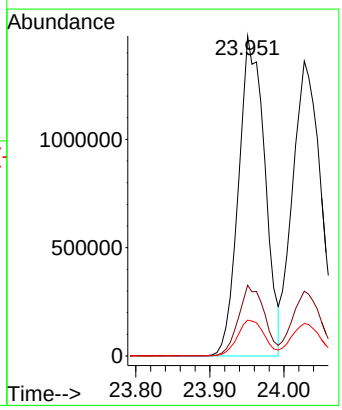


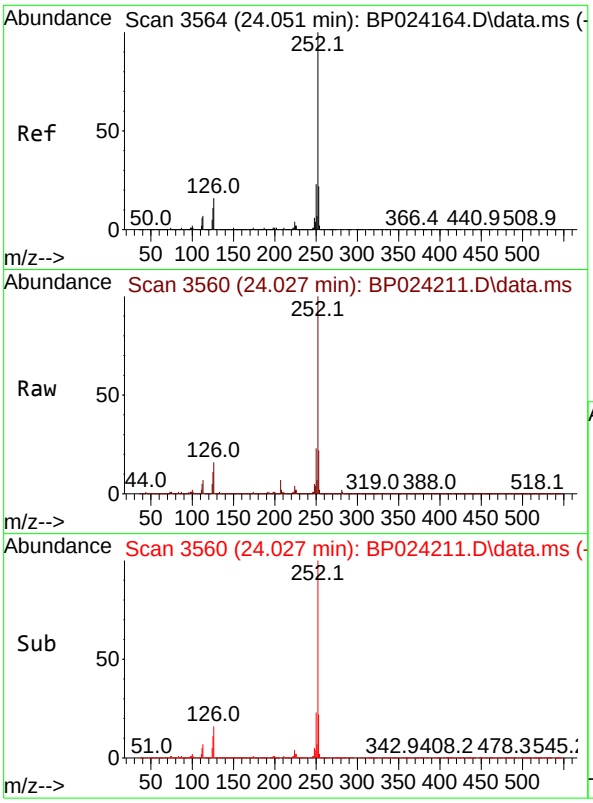




#88
Benzo(b)fluoranthene
Concen: 40.620 ng
RT: 23.951 min Scan# 3547
Delta R.T. -0.029 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:252 Resp: 3630246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.2 | 25.8 |
| 125 | 11.2 | 8.2 | 12.4 |



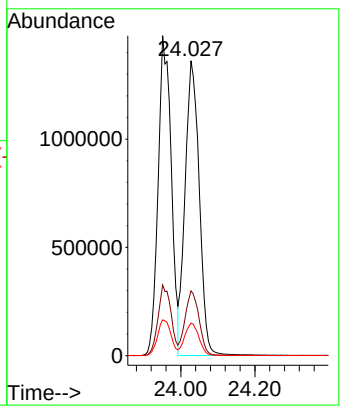


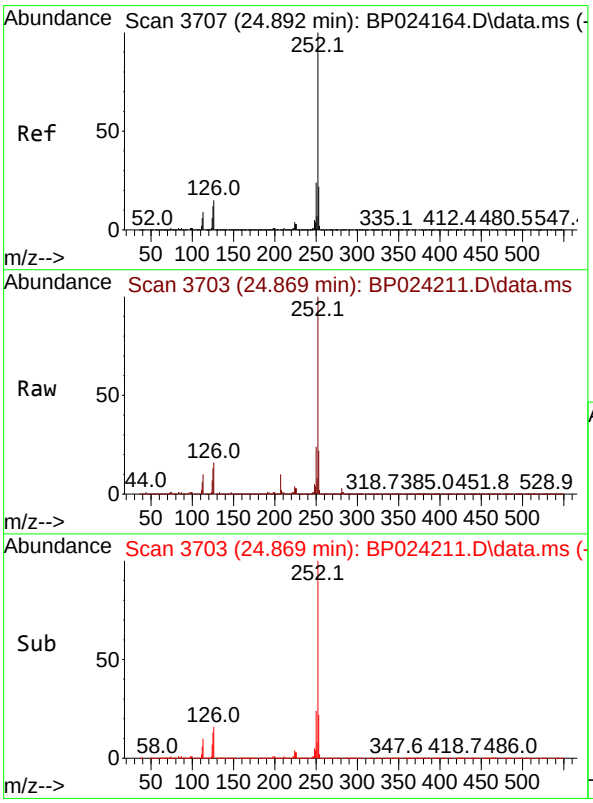

#89
Benzo(k)fluoranthene
Concen: 41.392 ng
RT: 24.027 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:252 Resp: 3618543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.7 | 26.5 |
| 125 | 11.0 | 9.1 | 13.7 |

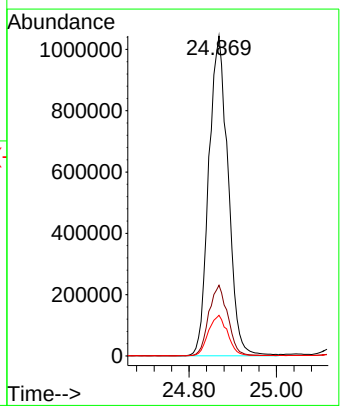


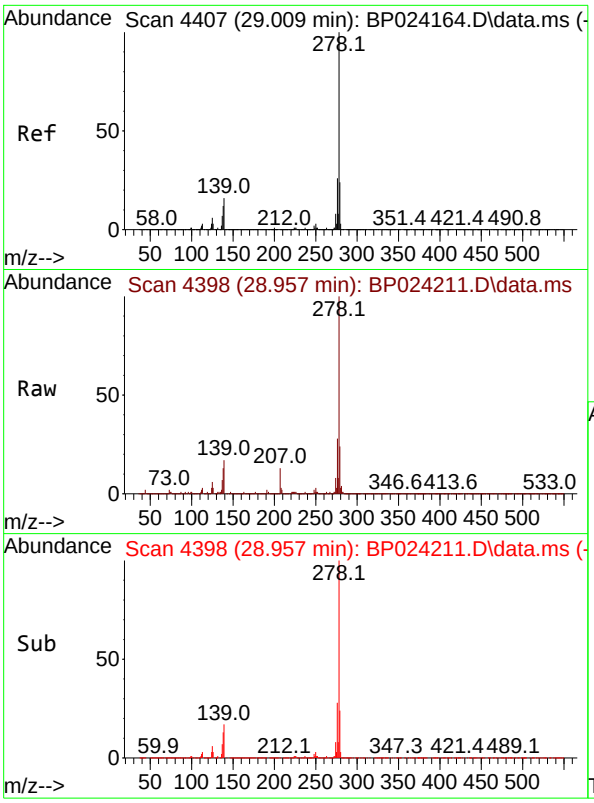




#90
Benzo(a)pyrene
Concen: 41.128 ng
RT: 24.869 min Scan# 3703
Delta R.T. -0.023 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:252 Resp: 3196190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.4 | 26.0 |
| 125 | 12.7 | 9.6 | 14.4 |



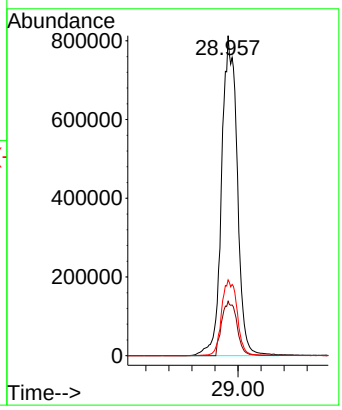


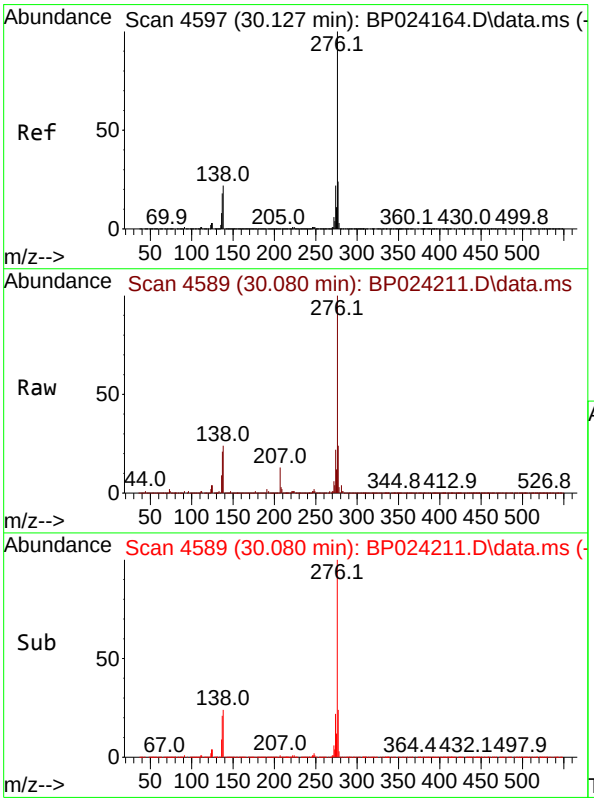

#91
Dibenzo(a,h)anthracene
Concen: 44.420 ng
RT: 28.957 min Scan# 4
Delta R.T. -0.053 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:278 Resp: 3823023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.0 | 13.0 | 19.4 |
| 279 | 23.7 | 18.8 | 28.2 |

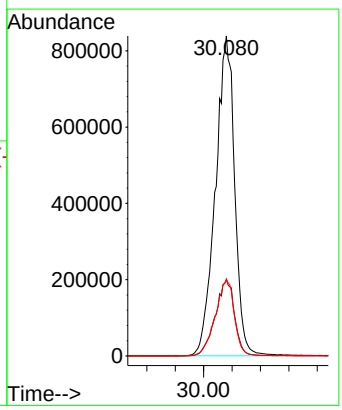



#92
Benzo(g,h,i)perylene
Concen: 45.033 ng
RT: 30.080 min Scan# 4589
Delta R.T. -0.047 min
Lab File: BP024211.D
Acq: 08 Apr 2025 13:43

Tgt Ion:276 Resp: 3939846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 19.2 | 28.8 |
| 138 | 24.1 | 17.4 | 26.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024228.D
Acq On : 09 Apr 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Quant Time: Apr 09 12:20:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.769 | 152 | 293576 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.552 | 136 | 1173450 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.404 | 164 | 712048 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.222 | 188 | 1380061 | 20.000 | ng | | 0.02 |
| 76) Chrysene-d12 | 21.651 | 240 | 1470276 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.033 | 264 | 1654294 | 20.000 | ng | | -0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.381 | 112 | 1534523 | 83.438 | ng | | 0.00 |
| 7) Phenol-d6 | 6.952 | 99 | 2042327 | 83.042 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.916 | 82 | 1775974 | 85.391 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.928 | 330 | 772690 | 86.150 | ng | | 0.01 |
| 45) 2-Fluorobiphenyl | 13.016 | 172 | 3887020 | 80.493 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.933 | 244 | 5993823 | 84.151 | ng | | 0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.323 | 88 | 302738 | 41.527 | ng | | 97 |
| 3) Pyridine | 3.717 | 79 | 838808 | 42.089 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.628 | 42 | 271310 | 40.754 | ng | # | 95 |
| 6) Aniline | 7.105 | 93 | 937414 | 41.835 | ng | | 98 |
| 8) 2-Chlorophenol | 7.346 | 128 | 814334 | 40.993 | ng | | 100 |
| 9) Benzaldehyde | 6.922 | 77 | 451640 | 38.053 | ng | | 97 |
| 10) Phenol | 6.975 | 94 | 1027320 | 41.378 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.199 | 93 | 803492 | 41.038 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.658 | 146 | 870803 | 40.649 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 7.805 | 146 | 882974 | 40.368 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.122 | 146 | 839545 | 39.998 | ng | | 100 |
| 15) Benzyl Alcohol | 8.011 | 79 | 654557 | 42.039 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.293 | 45 | 843711 | 42.222 | ng | | 98 |
| 17) 2-Methylphenol | 8.211 | 107 | 658169 | 42.275 | ng | | 98 |
| 18) Hexachloroethane | 8.840 | 117 | 317863 | 40.961 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 8.569 | 70 | 606716 | 42.523 | ng | | 100 |
| 20) 3+4-Methylphenols | 8.534 | 107 | 896490 | 41.913 | ng | | 100 |
| 22) Acetophenone | 8.581 | 105 | 1232083 | 41.530 | ng | | 100 |
| 24) Nitrobenzene | 8.958 | 77 | 873464 | 42.572 | ng | | 98 |
| 25) Isophorone | 9.481 | 82 | 1541684 | 43.243 | ng | | 100 |
| 26) 2-Nitrophenol | 9.669 | 139 | 433004 | 44.182 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.728 | 122 | 528942 | 41.973 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 9.963 | 93 | 1054466 | 42.043 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.199 | 162 | 729792 | 42.809 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.410 | 180 | 763746 | 40.549 | ng | | 99 |
| 31) Naphthalene | 10.605 | 128 | 2580706 | 41.488 | ng | | 100 |
| 32) Benzoic acid | 9.863 | 122 | 555343 | 45.185 | ng | | 100 |
| 33) 4-Chloroaniline | 10.705 | 127 | 940754 | 42.261 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.887 | 225 | 434685 | 40.101 | ng | | 98 |
| 35) Caprolactam | 11.493 | 113 | 257074 | 46.011 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 11.840 | 107 | 799711 | 43.485 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.210 | 142 | 1749345 | 41.629 | ng | | 100 |
| 38) 1-Methylnaphthalene | 12.428 | 142 | 1688556 | 41.312 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.587 | 216 | 830463 | 40.347 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.563 | 237 | 306506 | 41.311 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.828 | 196 | 551712 | 42.177 | ng | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024228.D
Acq On : 09 Apr 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Quant Time: Apr 09 12:20:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

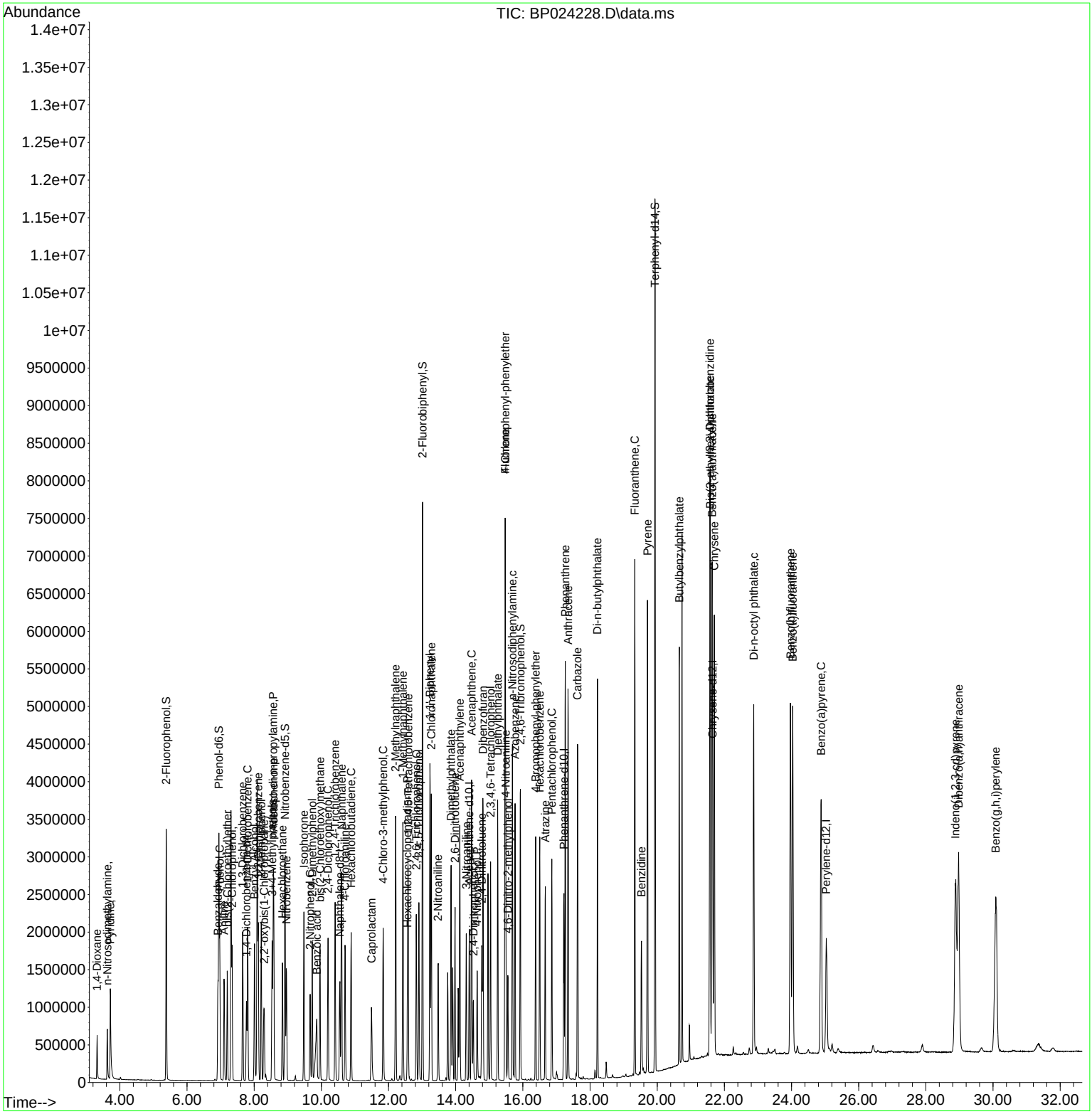
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.904 | 196 | 606798 | 42.299 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.234 | 154 | 2190701 | 40.942 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.275 | 162 | 1624413 | 40.362 | ng | 99 |
| 48) 2-Nitroaniline | 13.475 | 65 | 468062 | 45.470 | ng | 95 |
| 49) Acenaphthylene | 14.122 | 152 | 2545636 | 41.802 | ng | 100 |
| 50) Dimethylphthalate | 13.863 | 163 | 2087636 | 41.901 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.981 | 165 | 453615 | 43.271 | ng | 100 |
| 52) Acenaphthene | 14.475 | 154 | 1611256 | 41.411 | ng | 99 |
| 53) 3-Nitroaniline | 14.316 | 138 | 504903 | 44.593 | ng | 97 |
| 54) 2,4-Dinitrophenol | 14.528 | 184 | 254373 | 45.859 | ng | 97 |
| 55) Dibenzofuran | 14.810 | 168 | 2590493 | 41.102 | ng | 98 |
| 56) 4-Nitrophenol | 14.640 | 139 | 438706 | 46.371 | ng | 97 |
| 57) 2,4-Dinitrotoluene | 14.781 | 165 | 625765 | 45.191 | ng | 98 |
| 58) Fluorene | 15.475 | 166 | 2022327 | 41.183 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.040 | 232 | 536689 | 42.344 | ng | 99 |
| 60) Diethylphthalate | 15.251 | 149 | 2130607 | 42.942 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.475 | 204 | 970246 | 40.284 | ng | 98 |
| 62) 4-Nitroaniline | 15.493 | 138 | 532563 | 44.847 | ng | 98 |
| 63) Azobenzene | 15.769 | 77 | 2027384 | 43.353 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.557 | 198 | 347340 | 42.395 | ng | 100 |
| 66) n-Nitrosodiphenylamine | 15.693 | 169 | 1728077 | 41.235 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.381 | 248 | 606490 | 40.028 | ng | 99 |
| 68) Hexachlorobenzene | 16.504 | 284 | 719481 | 40.119 | ng | 99 |
| 69) Atrazine | 16.669 | 200 | 433531 | 42.859 | ng | 99 |
| 70) Pentachlorophenol | 16.863 | 266 | 503982 | 43.456 | ng | 100 |
| 71) Phenanthrene | 17.263 | 178 | 3083668 | 40.902 | ng | 100 |
| 72) Anthracene | 17.345 | 178 | 3039833 | 41.398 | ng | 100 |
| 73) Carbazole | 17.628 | 167 | 3013012 | 42.549 | ng | 99 |
| 74) Di-n-butylphthalate | 18.222 | 149 | 3711096 | 44.147 | ng | 100 |
| 75) Fluoranthene | 19.333 | 202 | 3697085 | 42.341 | ng | 99 |
| 77) Benzidine | 19.533 | 184 | 1222191 | 76.030 | ng | 99 |
| 78) Pyrene | 19.710 | 202 | 3866558 | 42.301 | ng | 99 |
| 80) Butylbenzylphthalate | 20.657 | 149 | 1702434 | 45.164 | ng | 97 |
| 81) Benzo(a)anthracene | 21.633 | 228 | 3832104 | 41.922 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.569 | 252 | 1401662 | 45.751 | ng | 100 |
| 83) Chrysene | 21.698 | 228 | 3634359 | 41.358 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.580 | 149 | 2547023 | 44.781 | ng | 99 |
| 85) Di-n-octyl phthalate | 22.874 | 149 | 4236142 | 46.485 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.880 | 276 | 4103902 | 35.545 | ng | 93 |
| 88) Benzo(b)fluoranthene | 23.969 | 252 | 4176870 | 41.876 | ng | 99 |
| 89) Benzo(k)fluoranthene | 24.033 | 252 | 3945832 | 40.442 | ng | 99 |
| 90) Benzo(a)pyrene | 24.880 | 252 | 3577625 | 41.248 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.974 | 278 | 3938270 | 41.000 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 30.080 | 276 | 4004395 | 41.010 | ng | 97 |

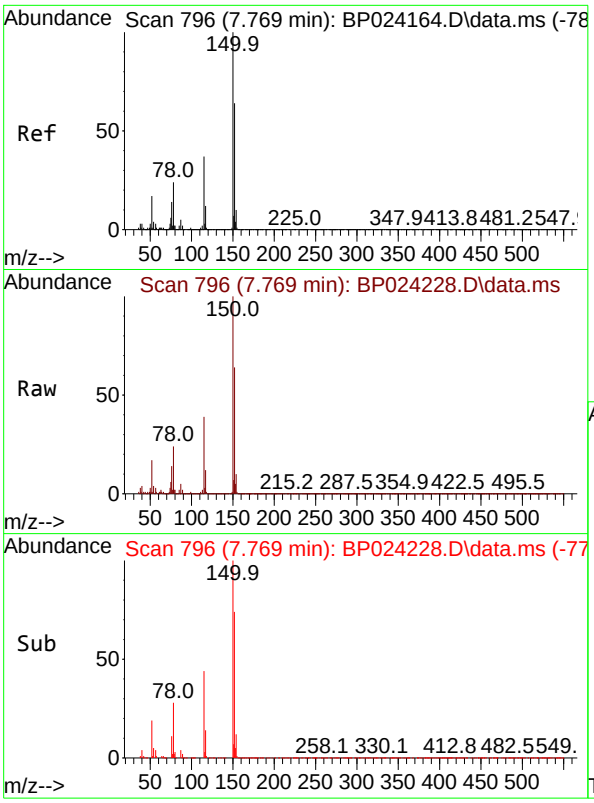
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024228.D
Acq On : 09 Apr 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Quant Time: Apr 09 12:20:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration



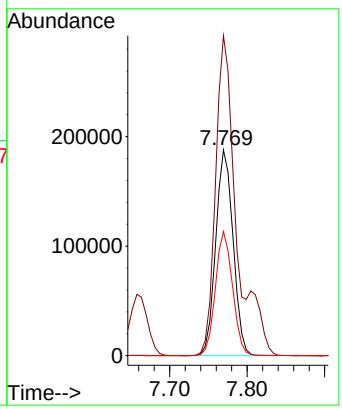


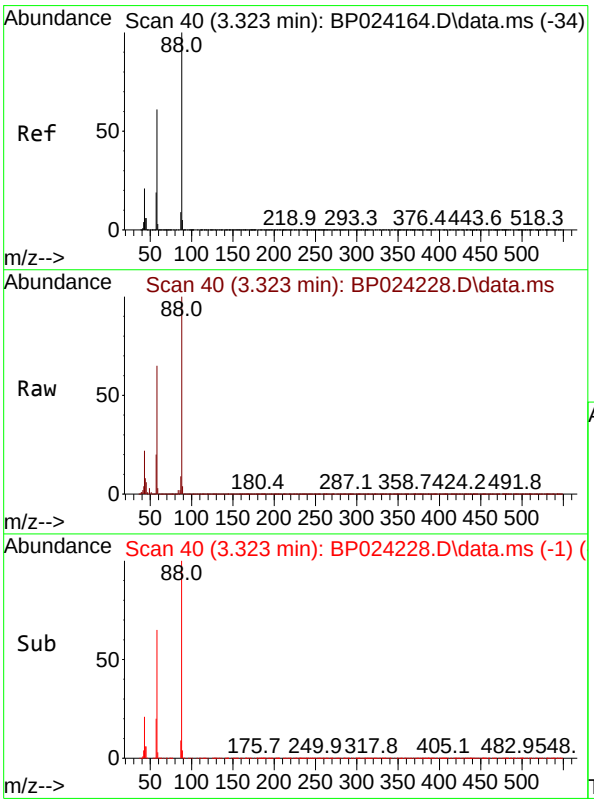

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 293576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.5 | 125.5 | 188.3 |
| 115 | 60.3 | 46.3 | 69.5 |

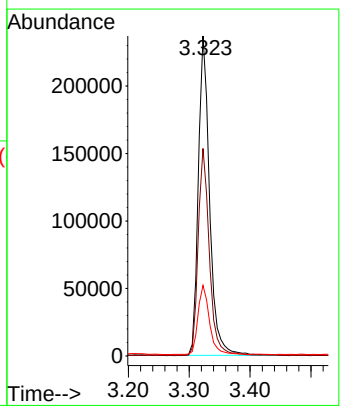


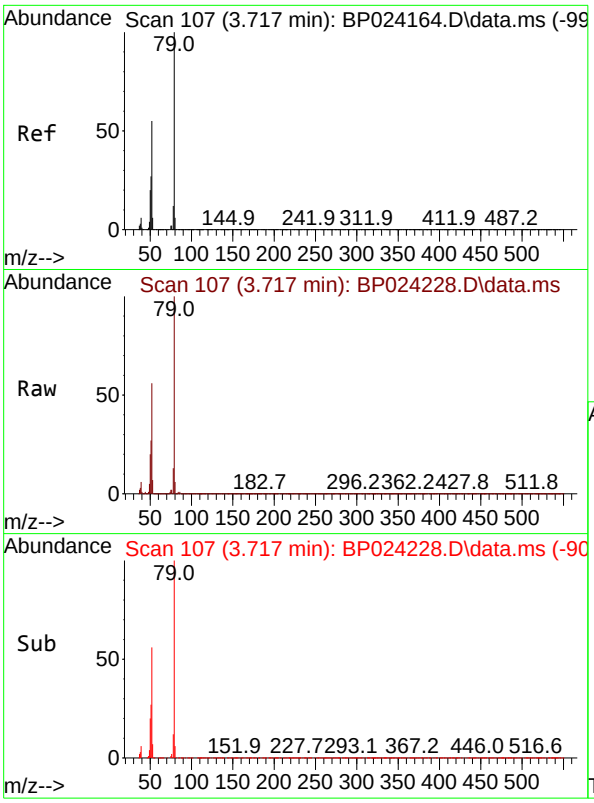




#2
1,4-Dioxane
Concen: 41.527 ng
RT: 3.323 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion: 88 Resp: 302738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 64.9 | 49.8 | 74.6 |
| 43 | 22.2 | 17.3 | 25.9 |



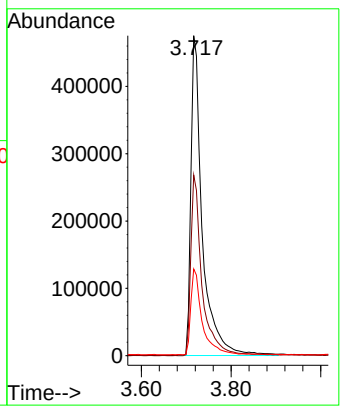


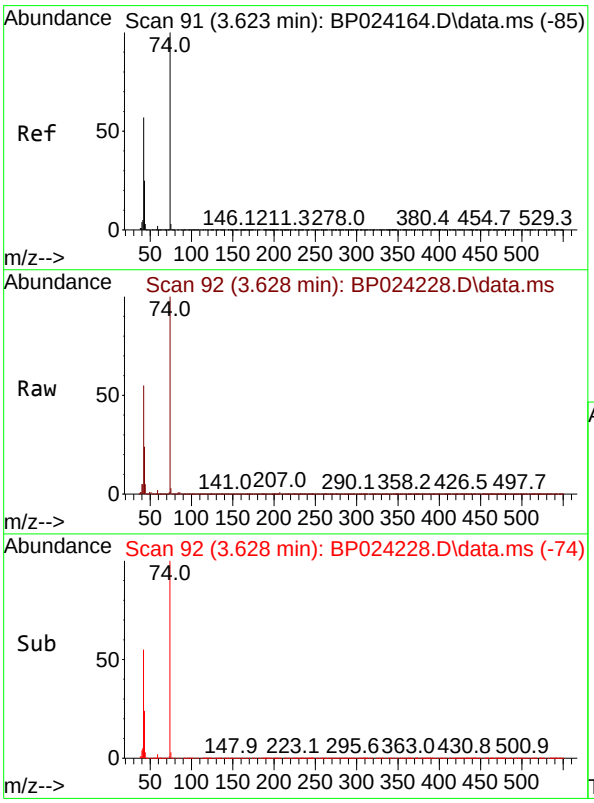

#3
Pyridine
Concen: 42.089 ng
RT: 3.717 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 838808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 56.5 | 43.8 | 65.8 |
| 51 | 27.1 | 21.6 | 32.4 |

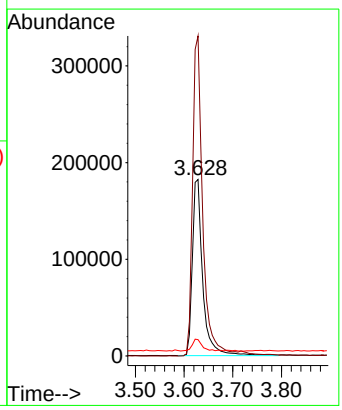


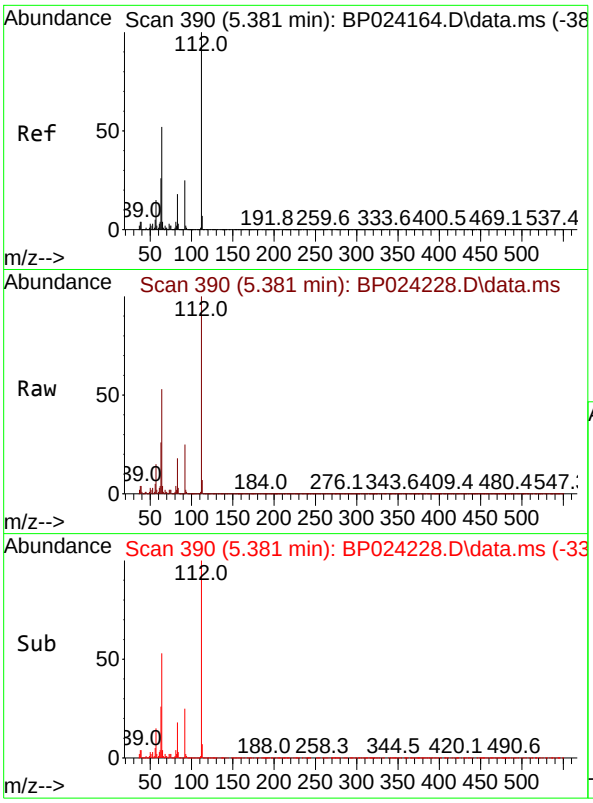




#4
n-Nitrosodimethylamine
Concen: 40.754 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion: 42 Resp: 271310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 181.3 | 139.8 | 209.6 |
| 44 | 9.2 | 5.3 | 7.9# |



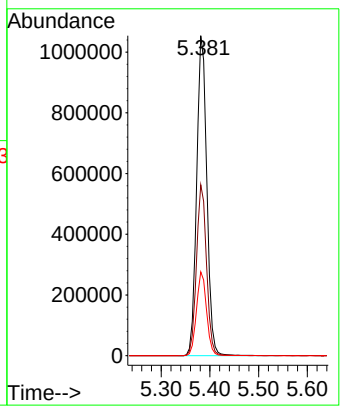


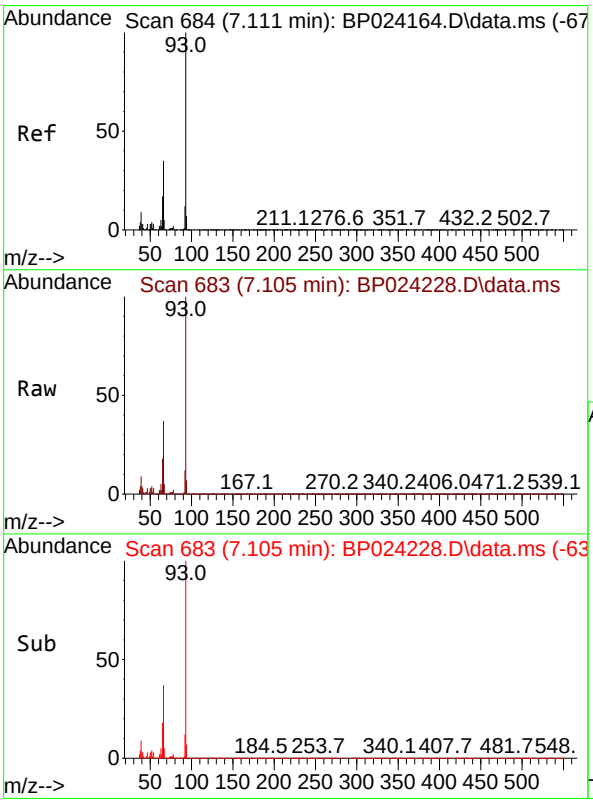

#5
2-Fluorophenol
Concen: 83.438 ng
RT: 5.381 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:112 Resp: 1534523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.4 | 41.3 | 61.9 |
| 63 | 26.2 | 20.6 | 31.0 |

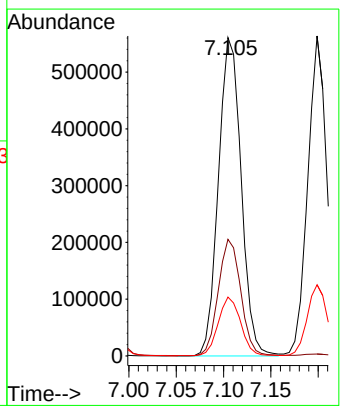


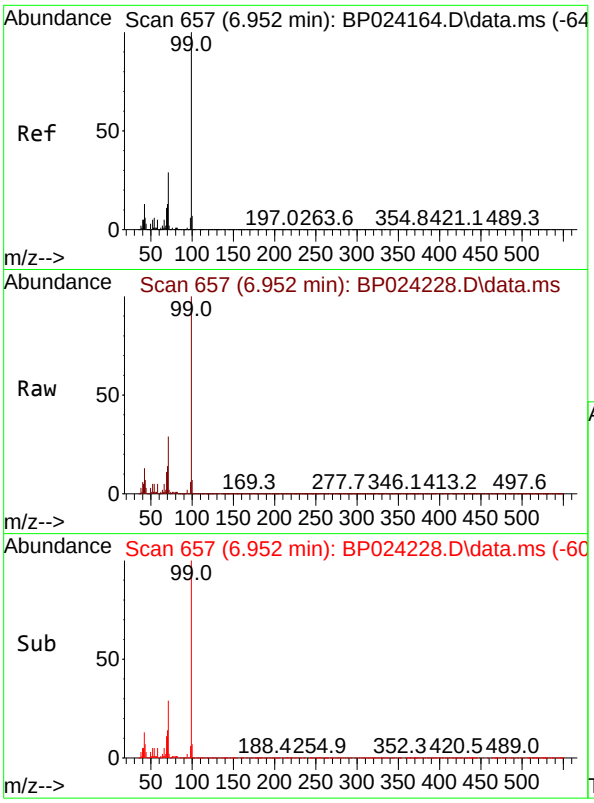




#6
Aniline
Concen: 41.835 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion: 93 Resp: 937414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 36.6 | 28.2 | 42.2 |
| 65 | 18.5 | 14.0 | 21.0 |



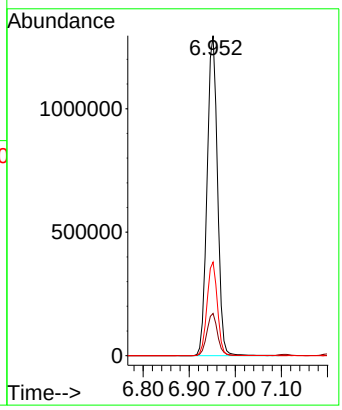


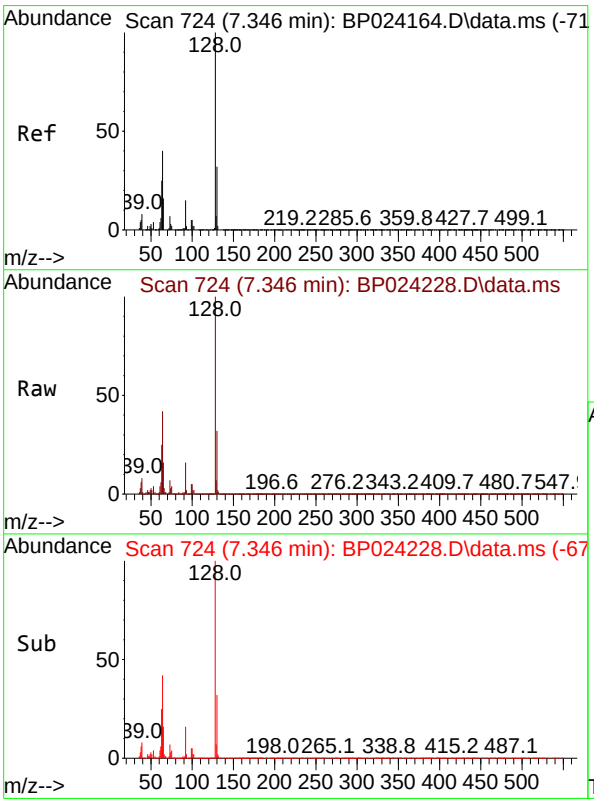

#7
Phenol-d6
Concen: 83.042 ng
RT: 6.952 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 99 Resp: 2042327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.2 | 10.6 | 16.0 |
| 71 | 29.3 | 23.3 | 34.9 |

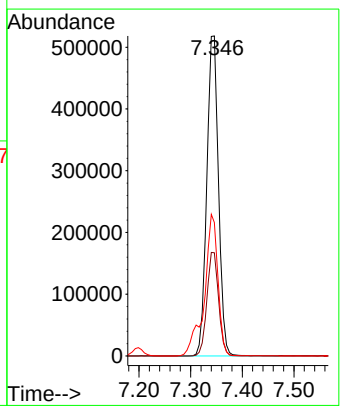


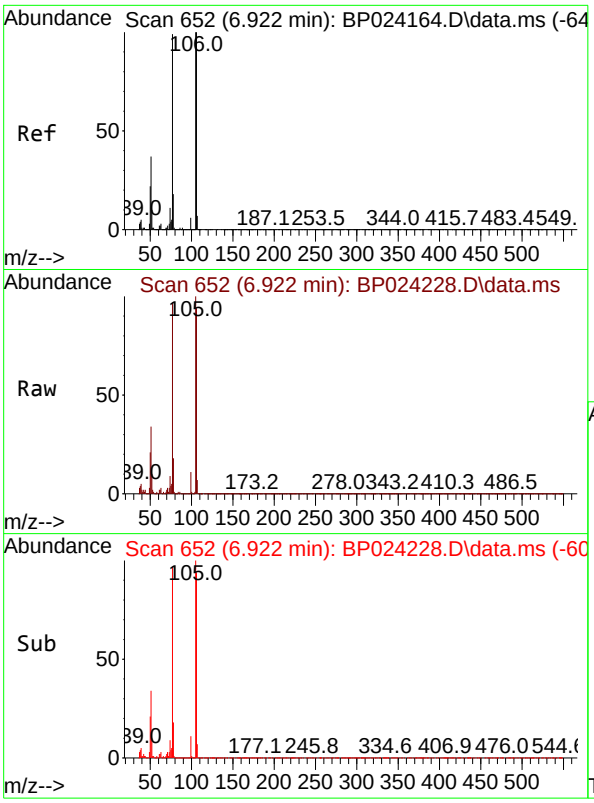




#8
2-Chlorophenol
Concen: 40.993 ng
RT: 7.346 min Scan# 724
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:128 Resp: 814334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.2 | 12.0 | 52.0 |
| 64 | 41.7 | 21.6 | 61.6 |



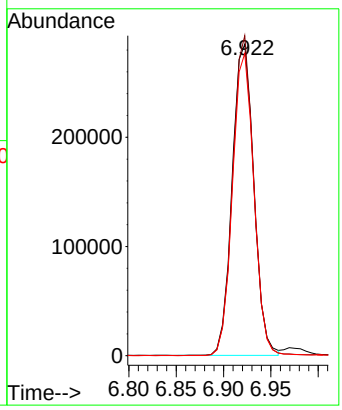


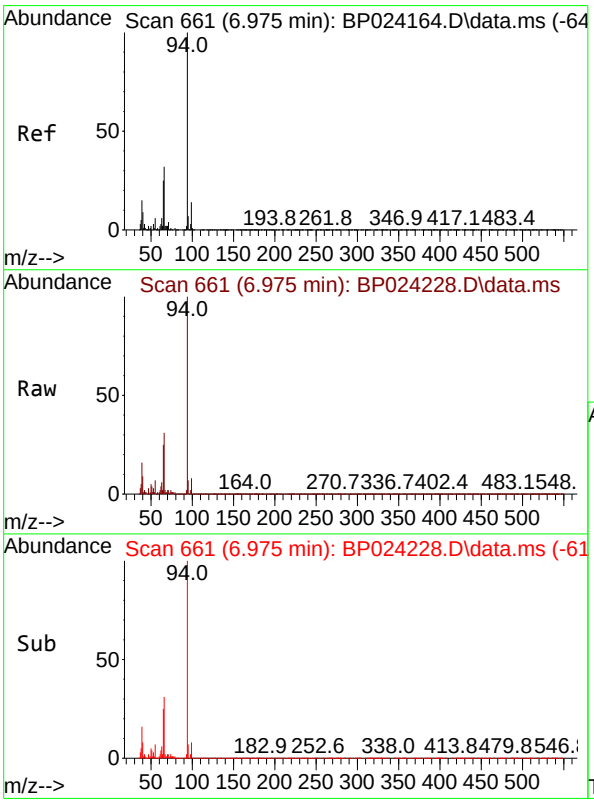

#9
Benzaldehyde
Concen: 38.053 ng
RT: 6.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 451640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 102.7 | 81.4 | 121.4 |
| 106 | 97.0 | 81.1 | 121.1 |

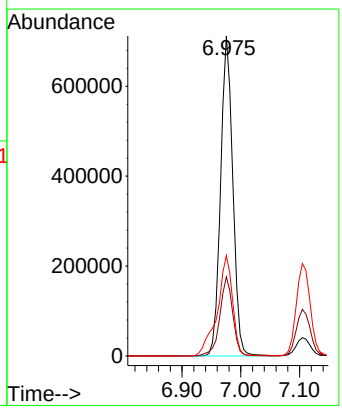


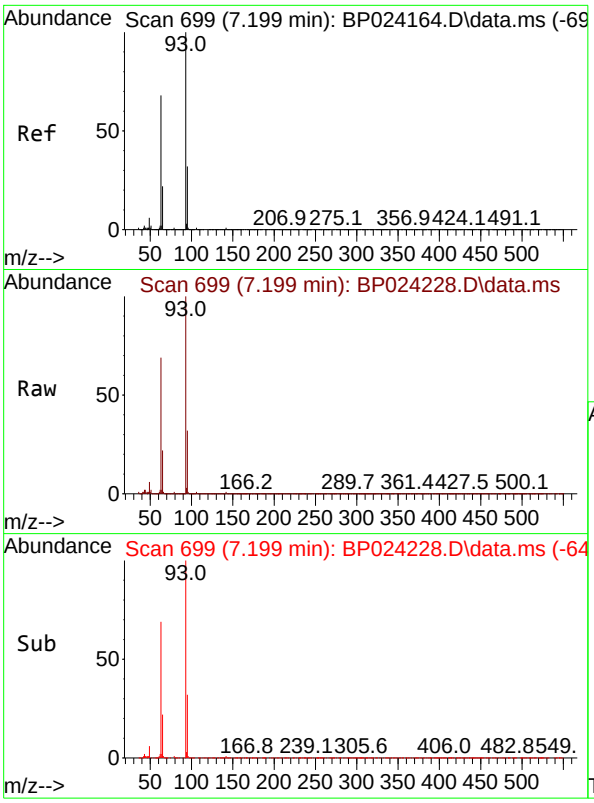




#10
Phenol
Concen: 41.378 ng
RT: 6.975 min Scan# 661
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion: 94 Resp: 1027320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 24.7 | 4.9 | 44.9 |
| 66 | 31.3 | 11.9 | 51.9 |



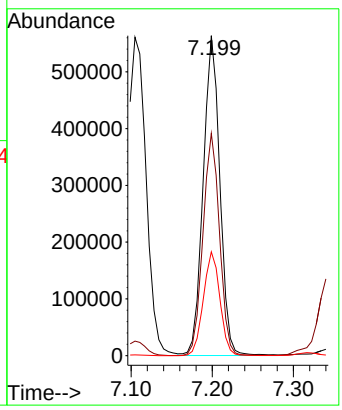


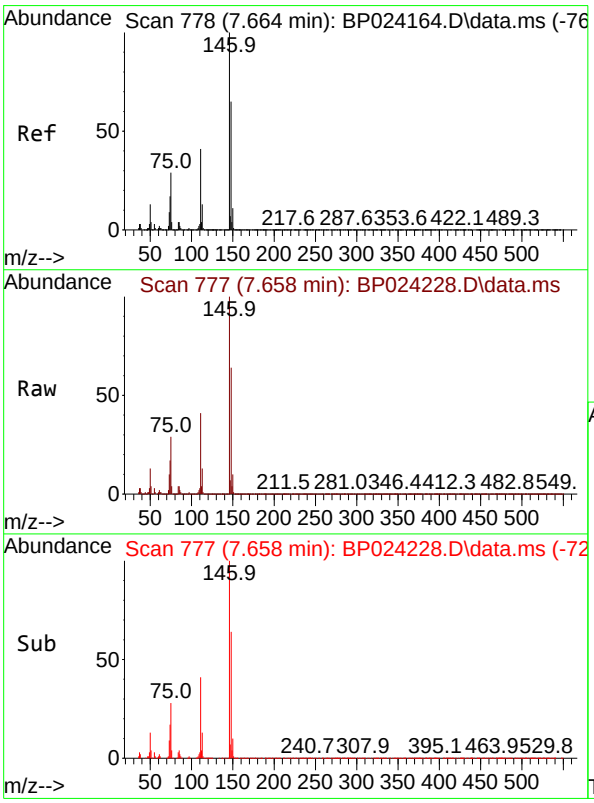

#11
bis(2-Chloroethyl)ether
Concen: 41.038 ng
RT: 7.199 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 93 Resp: 803492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 69.5 | 47.4 | 87.4 |
| 95 | 32.5 | 12.1 | 52.1 |

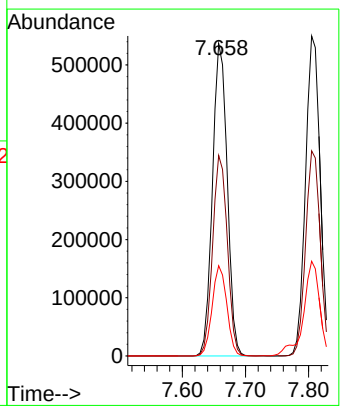


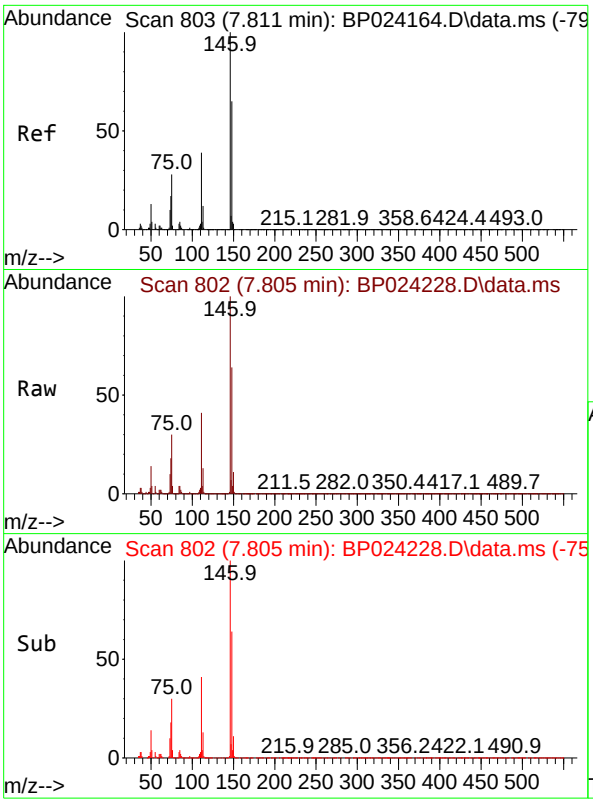




#12
1,3-Dichlorobenzene
Concen: 40.649 ng
RT: 7.658 min Scan# 777
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:146 Resp: 870803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.6 | 77.4 |
| 75 | 28.9 | 22.8 | 34.2 |



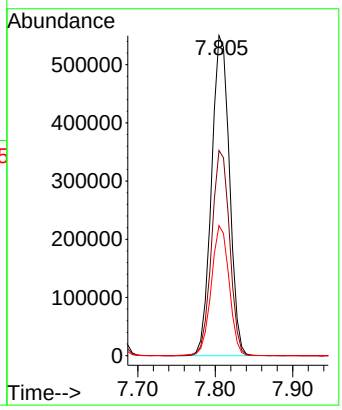


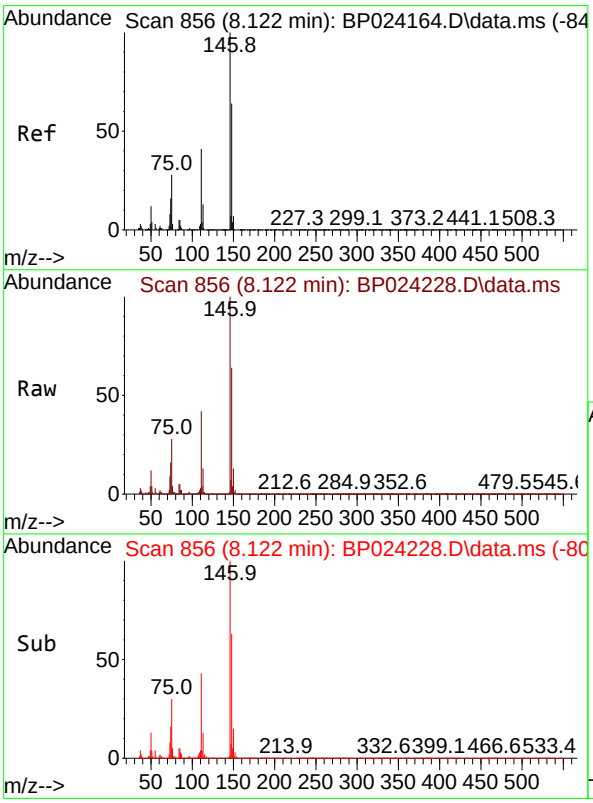

#13
1,4-Dichlorobenzene
Concen: 40.368 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:146 Resp: 882974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.1 | 51.9 | 77.9 |
| 111 | 40.7 | 31.4 | 47.2 |

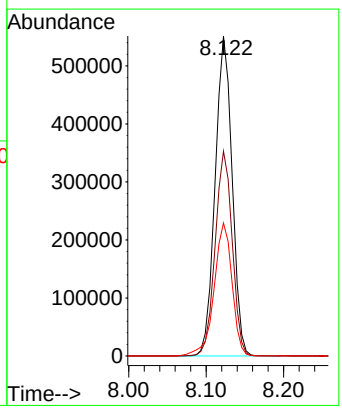


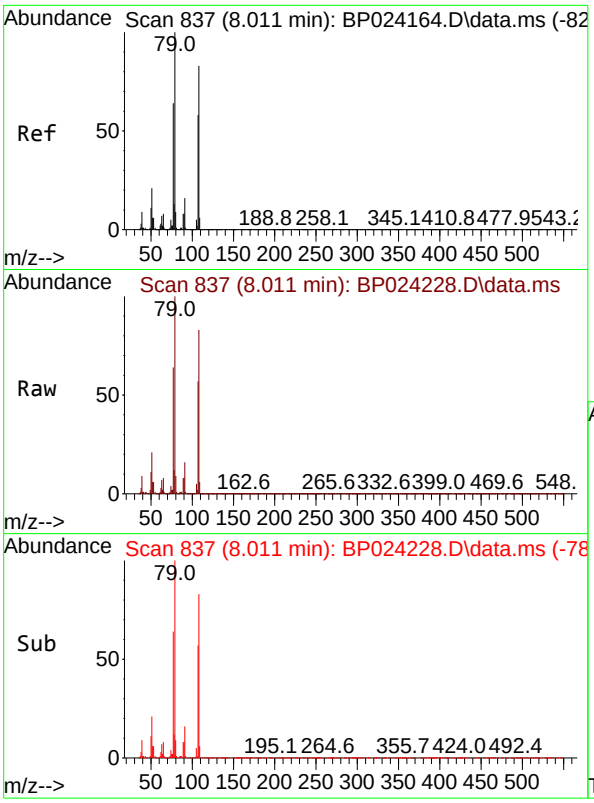




#14
1,2-Dichlorobenzene
Concen: 39.998 ng
RT: 8.122 min Scan# 856
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:146 Resp: 839545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 51.4 | 77.2 |
| 111 | 41.6 | 33.2 | 49.8 |



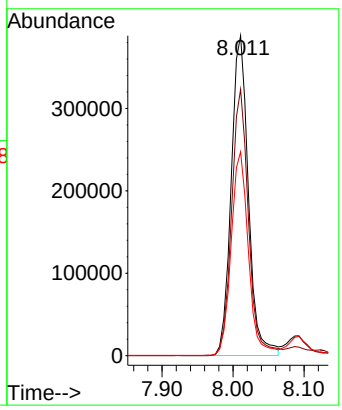


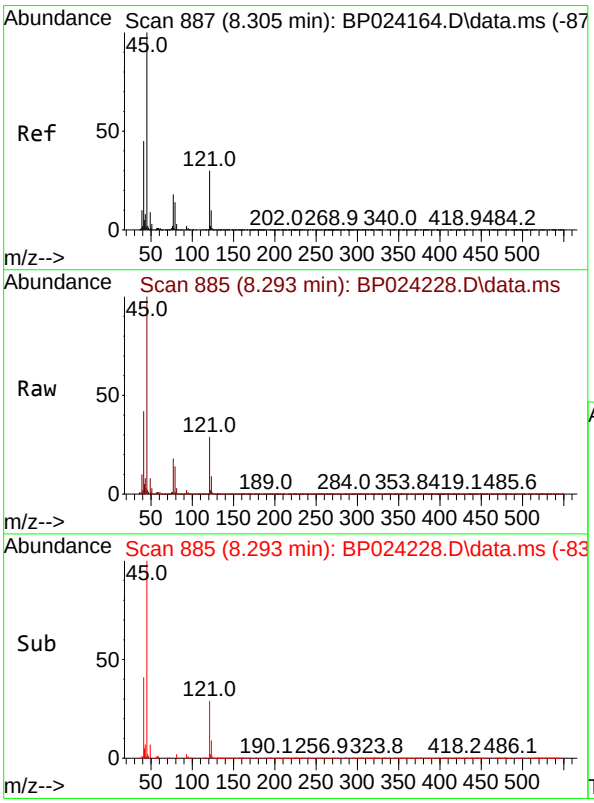

#15
Benzyl Alcohol
Concen: 42.039 ng
RT: 8.011 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 654557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 83.3 | 66.5 | 99.7 |
| 77 | 63.7 | 50.9 | 76.3 |

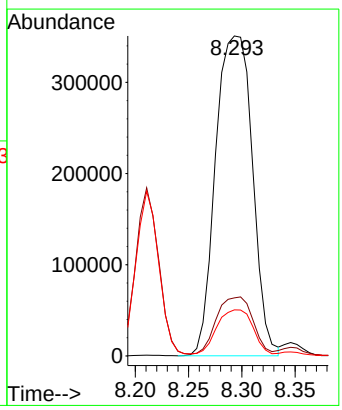


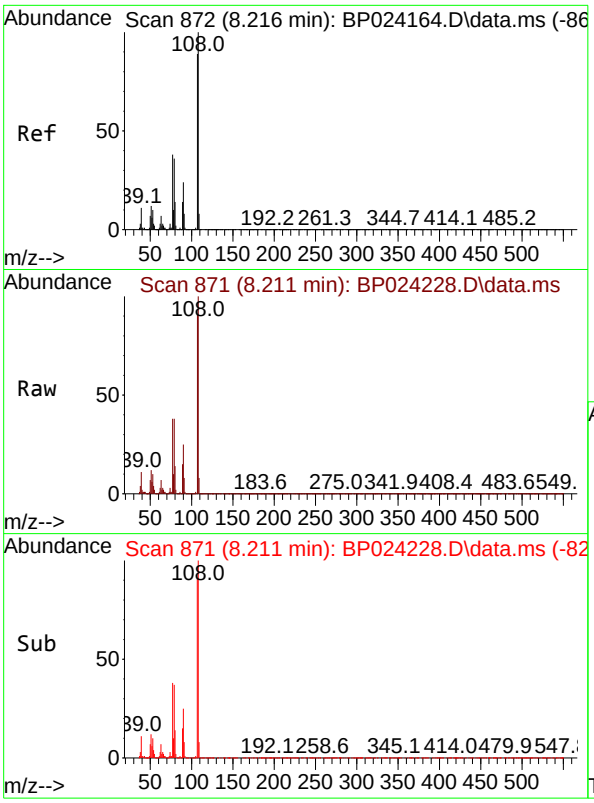




#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.222 ng
RT: 8.293 min Scan# 885
Delta R.T. -0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion: 45 Resp: 843711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 18.2 | 0.0 | 39.0 |
| 79 | 14.4 | 0.0 | 35.6 |



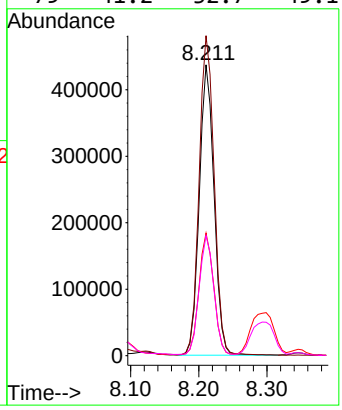


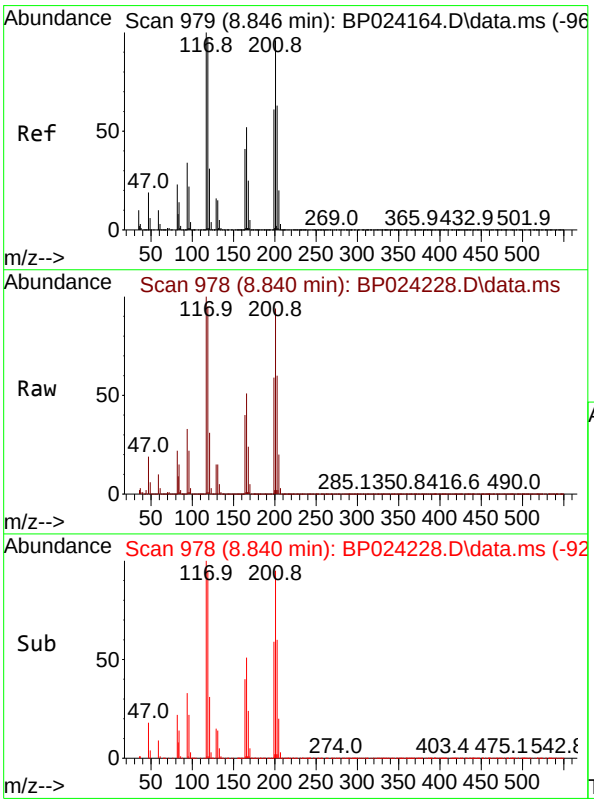

#17
2-Methylphenol
Concen: 42.275 ng
RT: 8.211 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:107 Resp: 658169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 110.0 | 90.0 | 135.0 |
| 77 | 42.1 | 34.0 | 51.0 |
| 79 | 41.2 | 32.7 | 49.1 |

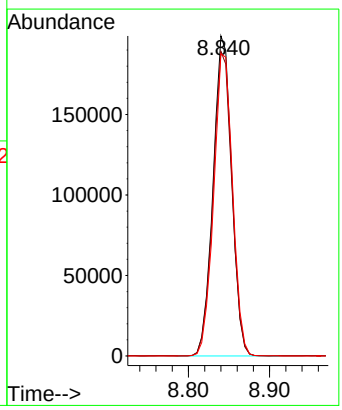


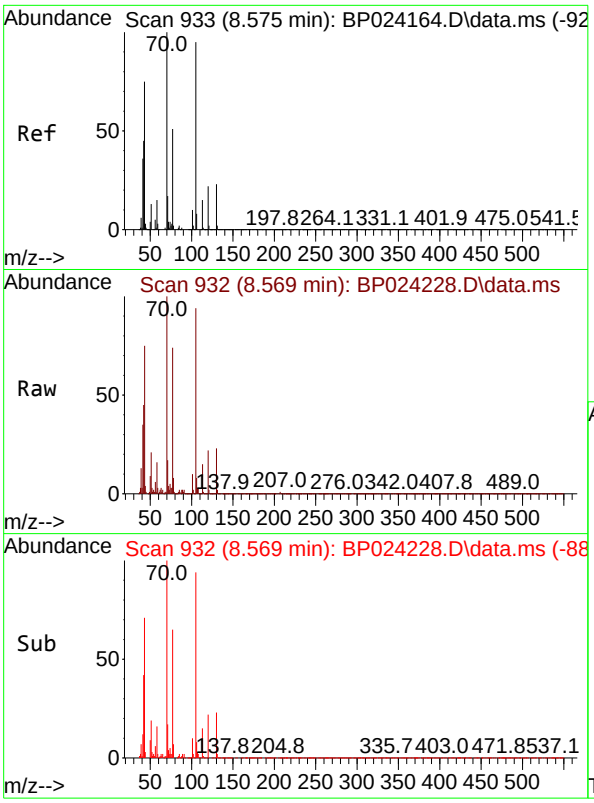




#18
Hexachloroethane
Concen: 40.961 ng
RT: 8.840 min Scan# 978
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:117 Resp: 317863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.1 | 77.4 | 116.0 |
| 201 | 94.5 | 76.6 | 114.8 |



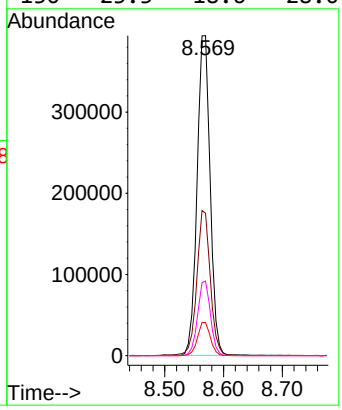


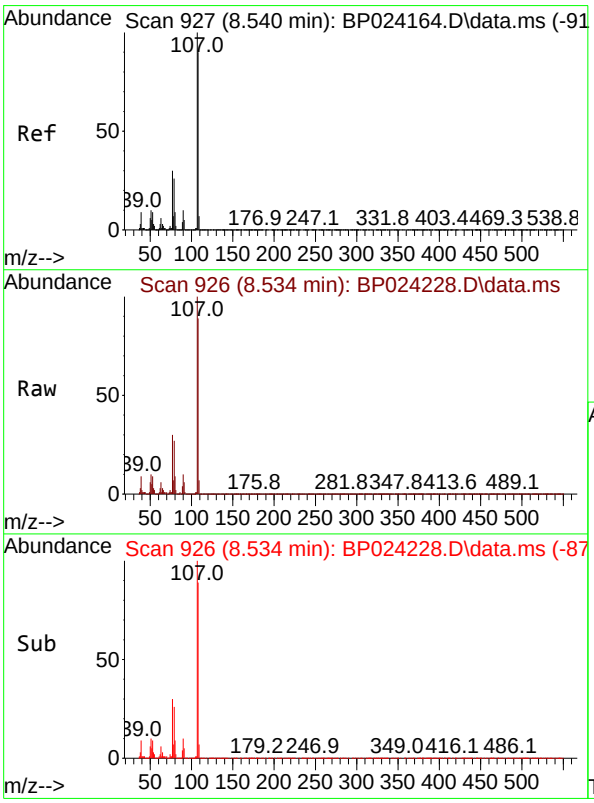

#19
n-Nitroso-di-n-propylamine
Concen: 42.523 ng
RT: 8.569 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 70 Resp: 606716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 44.5 | 36.0 | 54.0 |
| 101 | 10.3 | 8.3 | 12.5 |
| 130 | 23.3 | 18.6 | 28.0 |

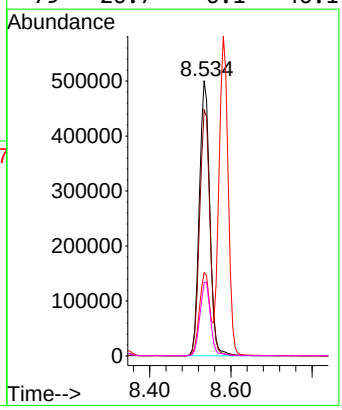


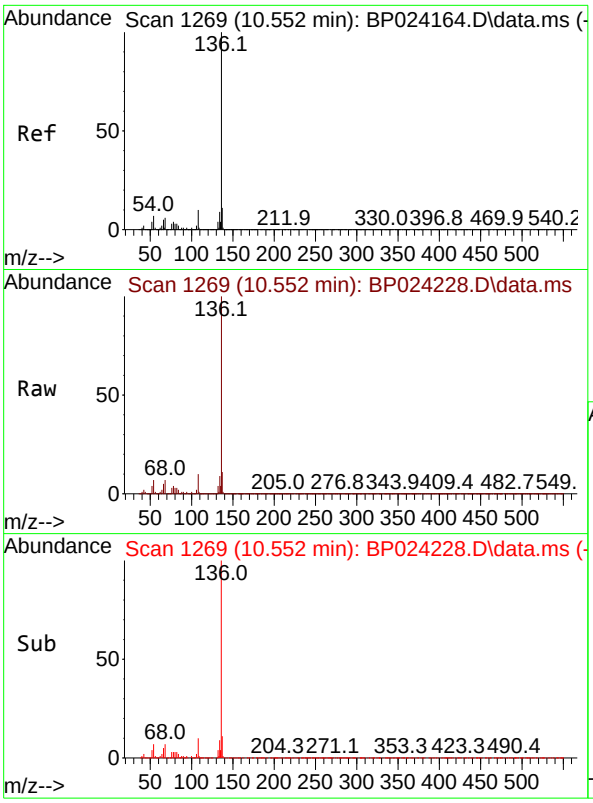




#20
3+4-Methylphenols
Concen: 41.913 ng
RT: 8.534 min Scan# 926
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:107 Resp: 896490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.4 | 69.7 | 109.7 |
| 77 | 30.3 | 10.3 | 50.3 |
| 79 | 26.7 | 6.1 | 46.1 |



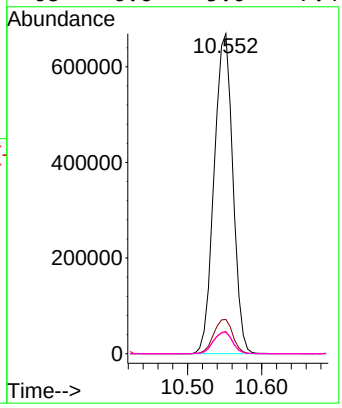


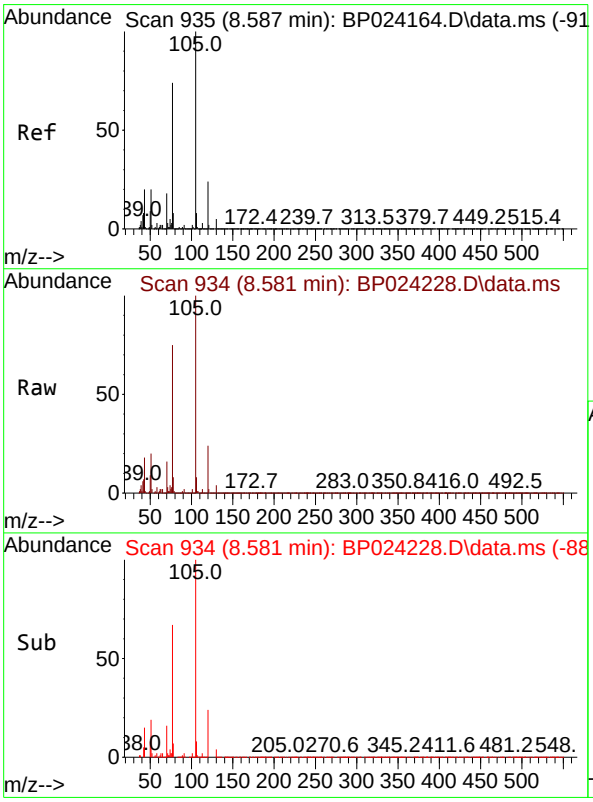

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.552 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:136 Resp: 1173450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 9.0 | 13.4 |
| 54 | 6.9 | 5.3 | 7.9 |
| 68 | 6.6 | 5.0 | 7.4 |

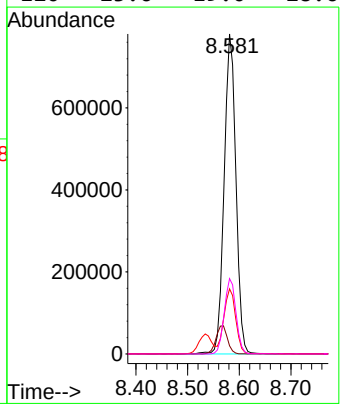


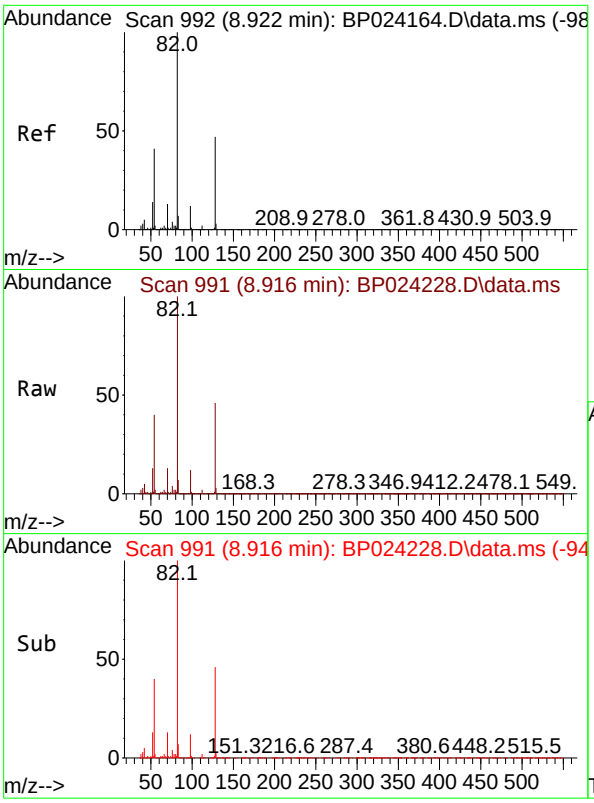




#22
Acetophenone
Concen: 41.530 ng
RT: 8.581 min Scan# 934
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:105 Resp: 1232083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 2.6 | 2.4 | 3.6 |
| 51 | 20.3 | 16.2 | 24.2 |
| 120 | 23.6 | 19.0 | 28.6 |



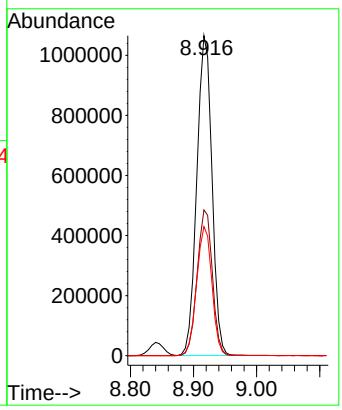


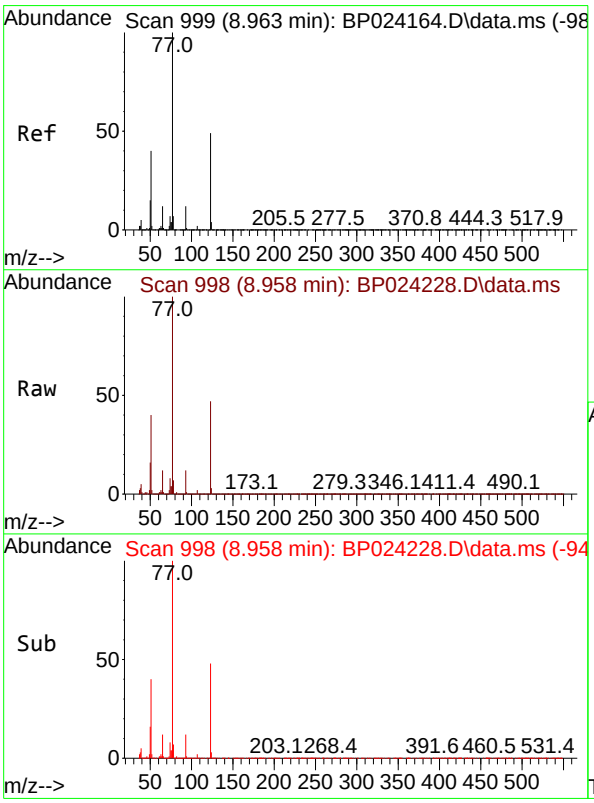

#23
Nitrobenzene-d5
Concen: 85.391 ng
RT: 8.916 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 1775974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.5 | 37.4 | 56.0 |
| 54 | 40.3 | 32.5 | 48.7 |

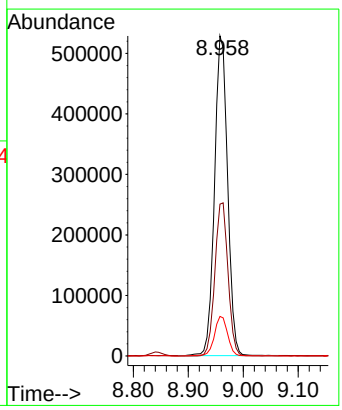


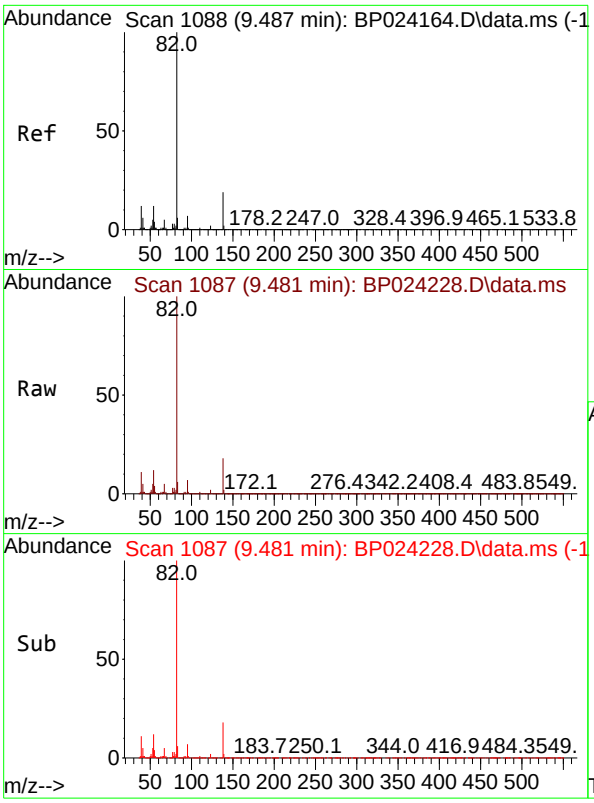




#24
Nitrobenzene
Concen: 42.572 ng
RT: 8.958 min Scan# 998
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion: 77 Resp: 873464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 47.5 | 39.4 | 59.2 |
| 65 | 12.4 | 9.9 | 14.9 |



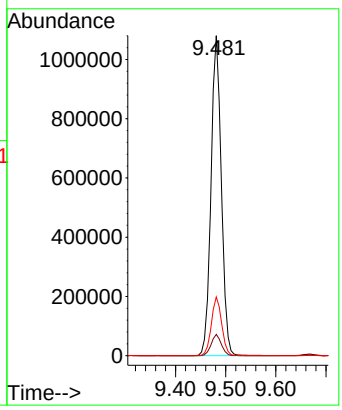


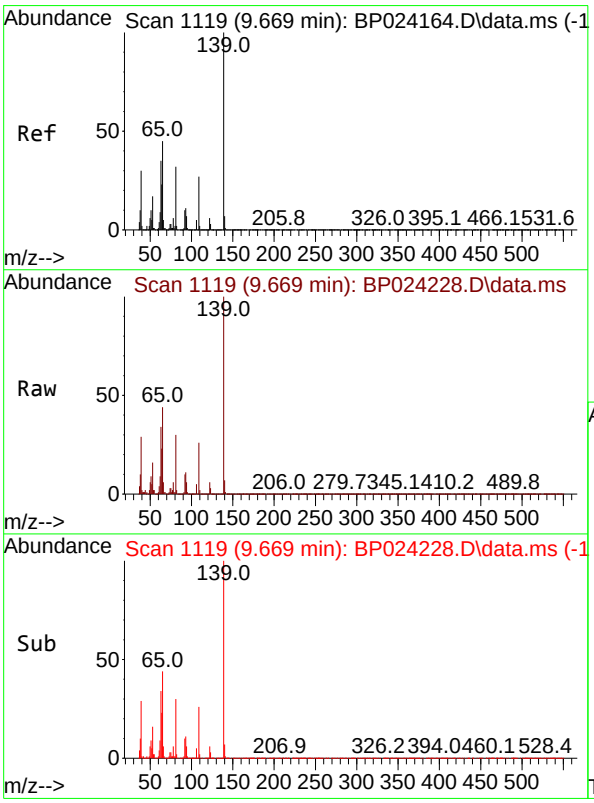

#25
Isophorone
Concen: 43.243 ng
RT: 9.481 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 1541684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.7 | 5.3 | 7.9 |
| 138 | 18.3 | 14.8 | 22.2 |

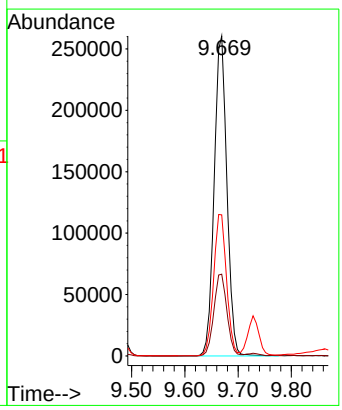


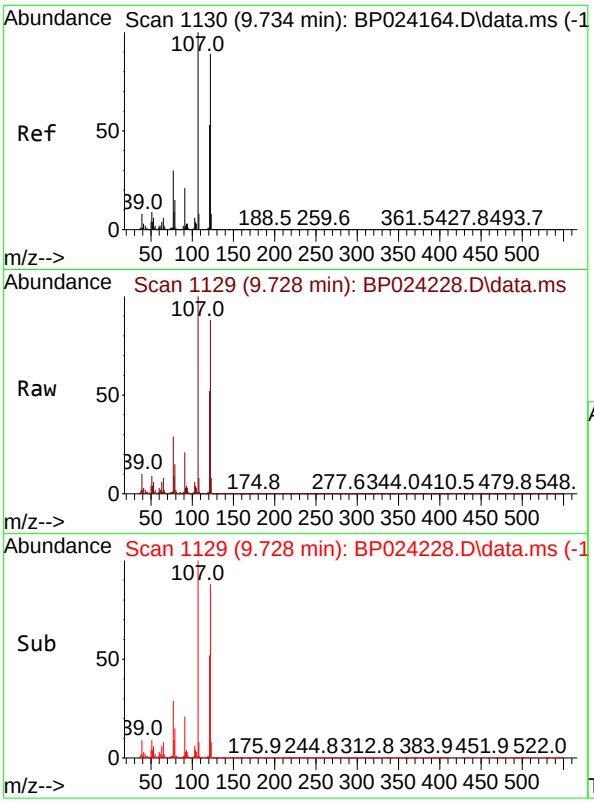




#26
2-Nitrophenol
Concen: 44.182 ng
RT: 9.669 min Scan# 1119
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:139 Resp: 433004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 25.6 | 21.7 | 32.5 |
| 65 | 44.1 | 35.8 | 53.8 |



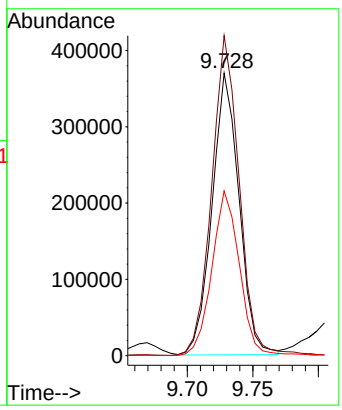


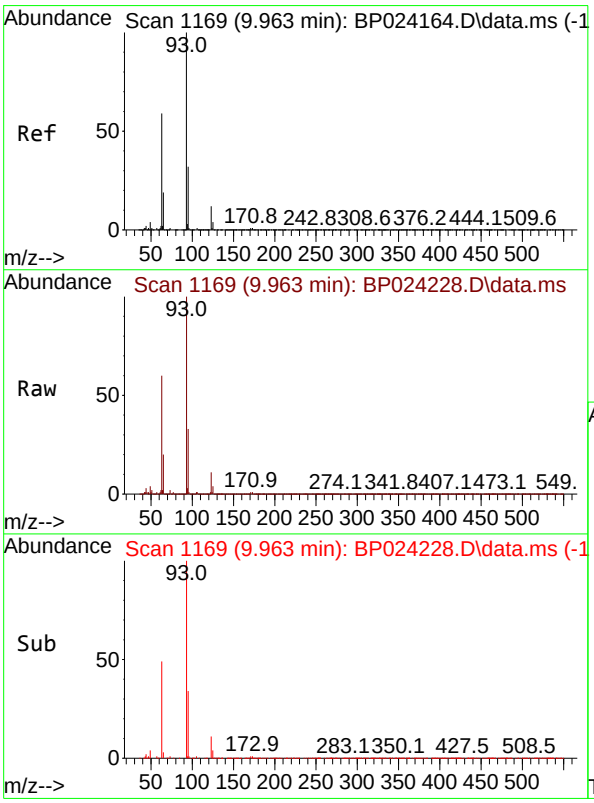

#27
2,4-Dimethylphenol
Concen: 41.973 ng
RT: 9.728 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:122 Resp: 528942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 113.3 | 89.3 | 133.9 |
| 121 | 58.4 | 47.5 | 71.3 |

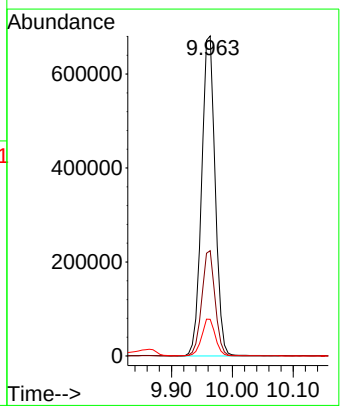


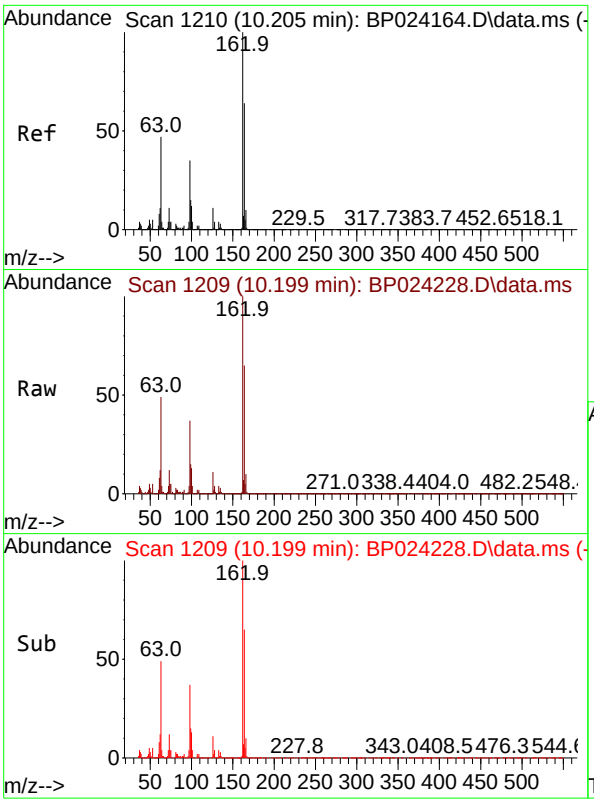




#28
bis(2-Chloroethoxy)methane
Concen: 42.043 ng
RT: 9.963 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion: 93 Resp: 1054466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.9 | 25.9 | 38.9 |
| 123 | 11.5 | 9.5 | 14.3 |



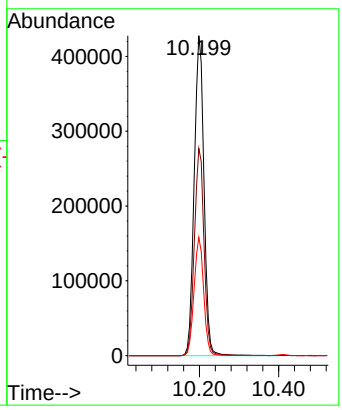


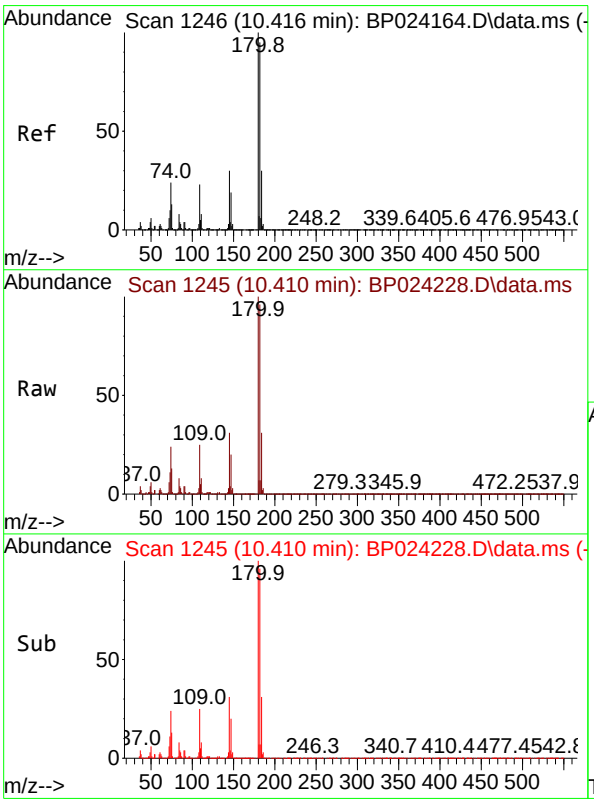

#29
2,4-Dichlorophenol
Concen: 42.809 ng
RT: 10.199 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 729792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.8 | 44.2 | 84.2 |
| 98 | 36.9 | 15.1 | 55.1 |

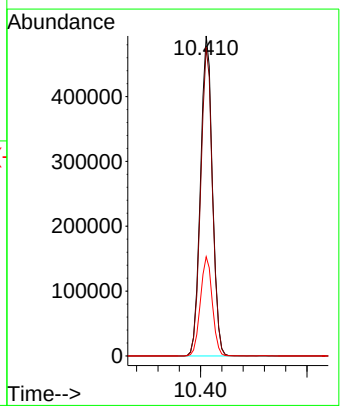


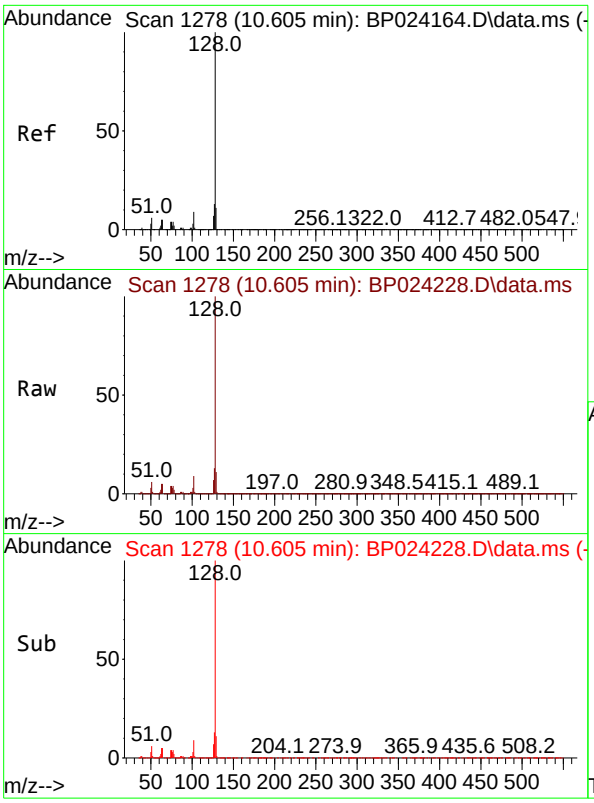




#30
1,2,4-Trichlorobenzene
Concen: 40.549 ng
RT: 10.410 min Scan# 1245
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:180 Resp: 763746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.4 | 76.1 | 114.1 |
| 145 | 31.0 | 24.2 | 36.2 |



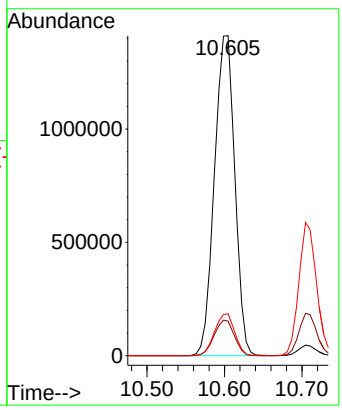


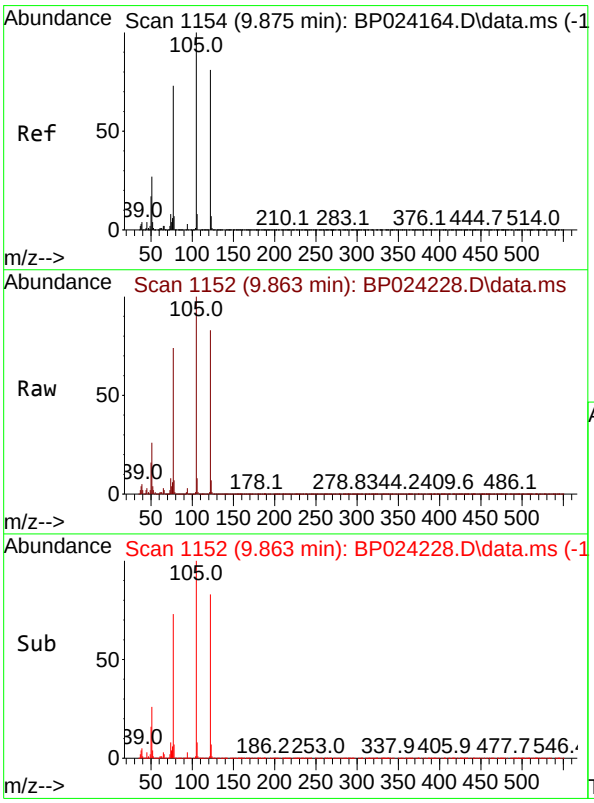

#31
Naphthalene
Concen: 41.488 ng
RT: 10.605 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:128 Resp: 2580706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.7 | 13.1 |
| 127 | 13.1 | 10.4 | 15.6 |

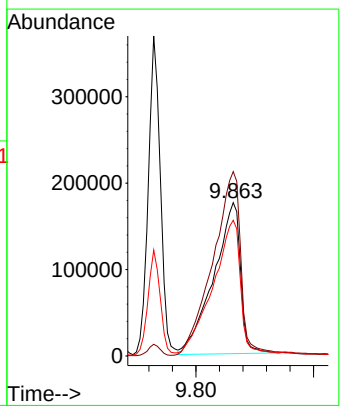


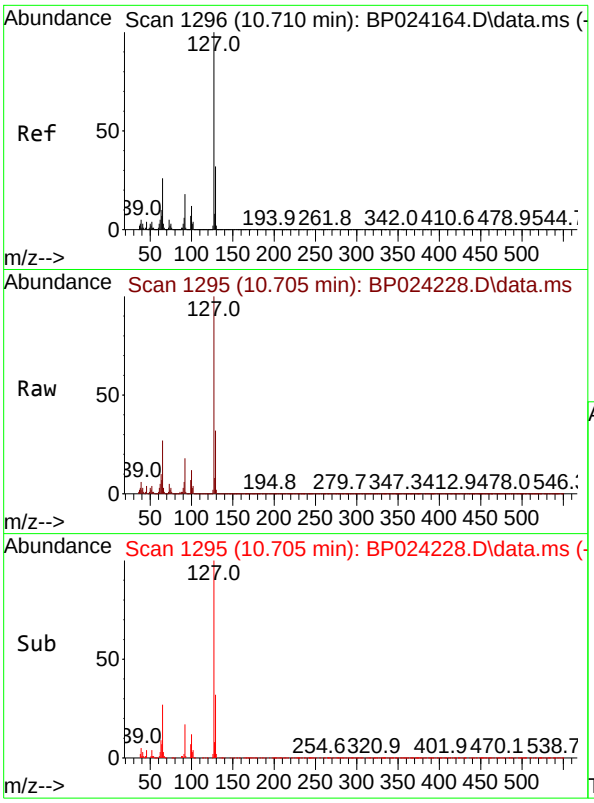




#32
Benzoic acid
Concen: 45.185 ng
RT: 9.863 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:122 Resp: 555343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 120.2 | 100.3 | 140.3 |
| 77 | 88.5 | 69.1 | 109.1 |



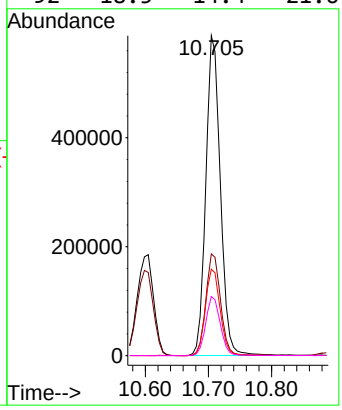


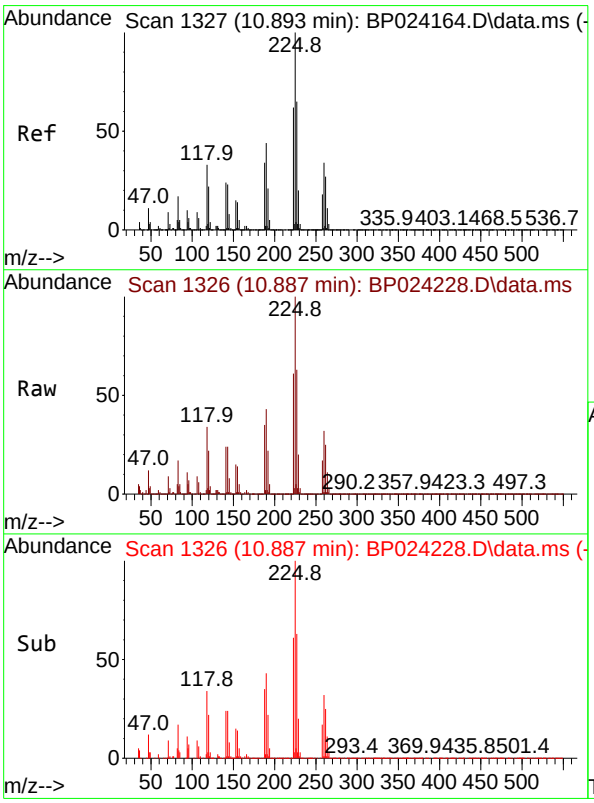

#33
4-Chloroaniline
Concen: 42.261 ng
RT: 10.705 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:127 Resp: 940754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.8 | 25.8 | 38.6 |
| 65 | 27.0 | 21.2 | 31.8 |
| 92 | 18.5 | 14.4 | 21.6 |

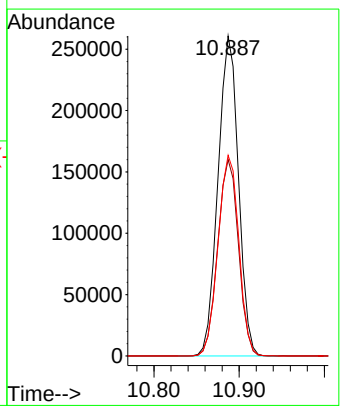


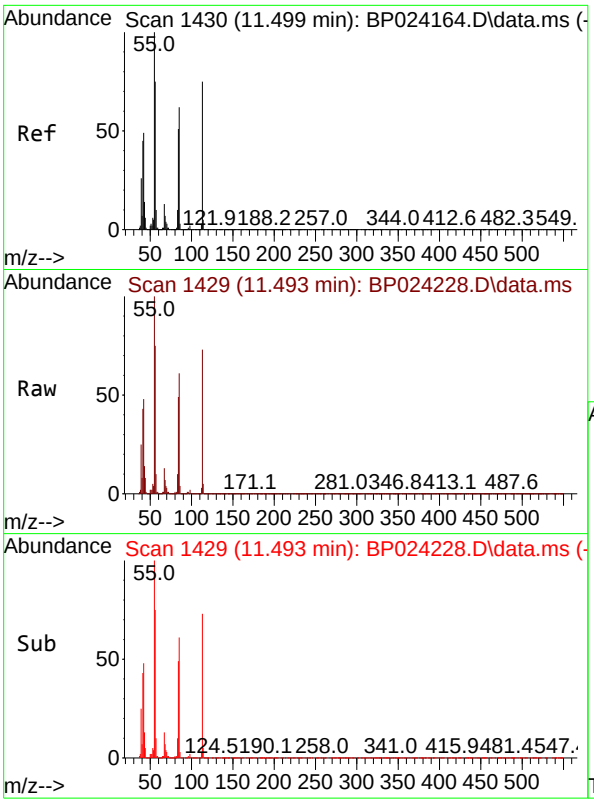




#34
Hexachlorobutadiene
Concen: 40.101 ng
RT: 10.887 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:225 Resp: 434685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.4 | 49.9 | 74.9 |
| 227 | 62.7 | 52.2 | 78.2 |



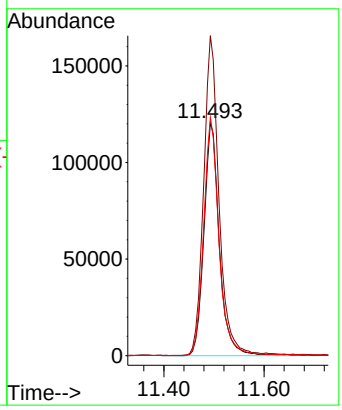


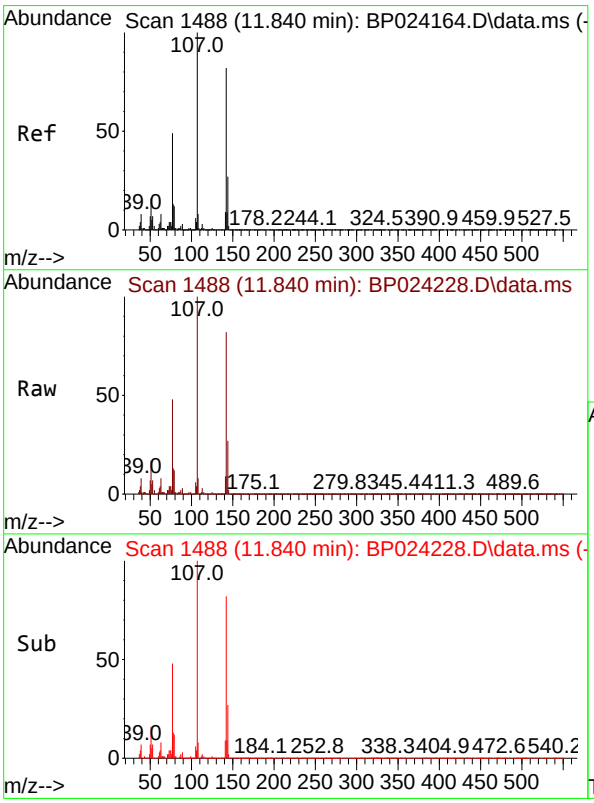

#35
Caprolactam
Concen: 46.011 ng
RT: 11.493 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:113 Resp: 257074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 137.5 | 113.6 | 153.6 |
| 56 | 102.4 | 80.0 | 120.0 |

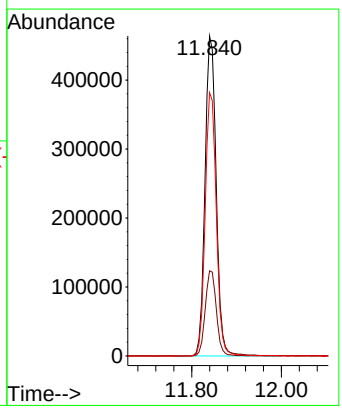


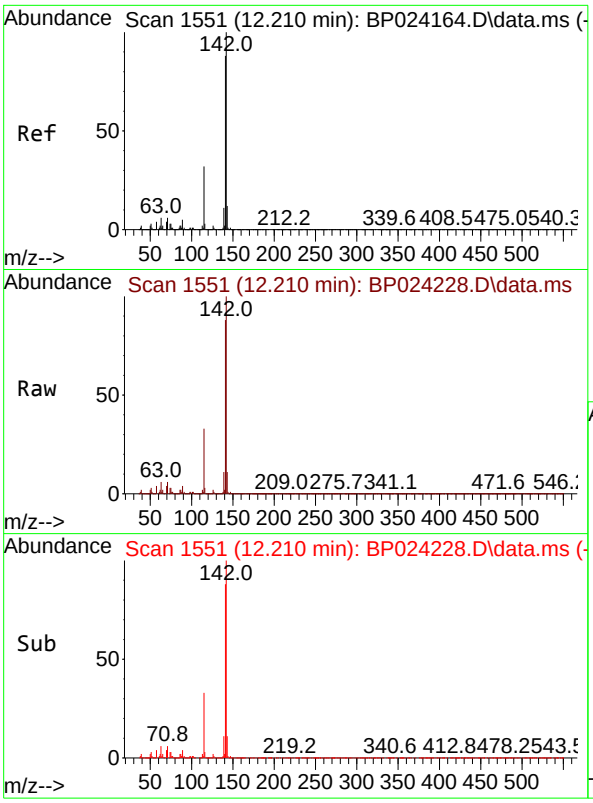




#36
4-Chloro-3-methylphenol
Concen: 43.485 ng
RT: 11.840 min Scan# 1488
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:107 Resp: 799711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.6 | 21.6 | 32.4 |
| 142 | 82.3 | 65.4 | 98.0 |



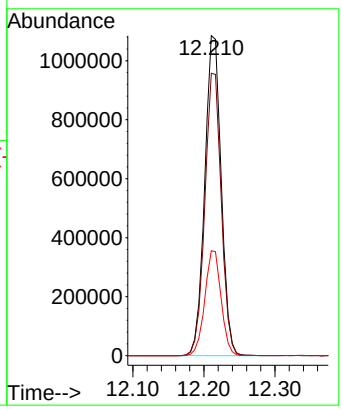


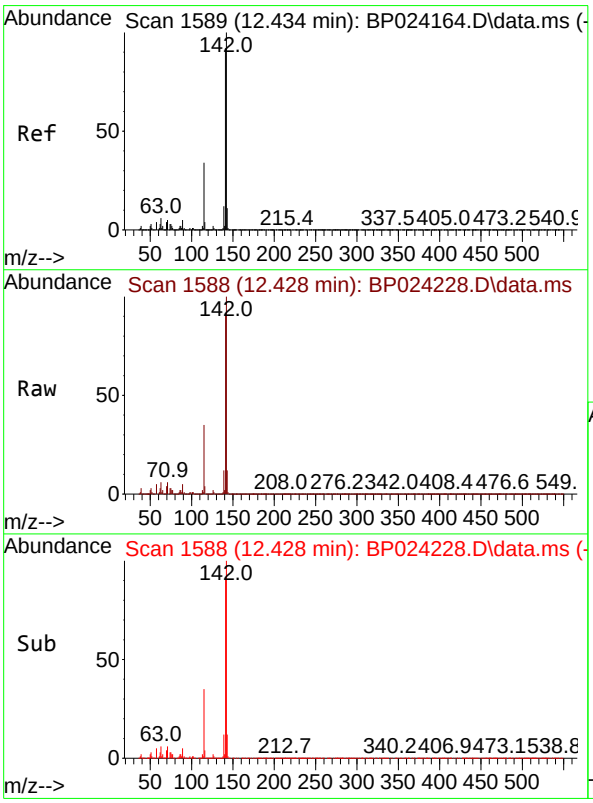

#37
2-Methylnaphthalene
Concen: 41.629 ng
RT: 12.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:142 Resp: 1749345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.2 | 70.3 | 105.5 |
| 115 | 32.8 | 26.0 | 39.0 |

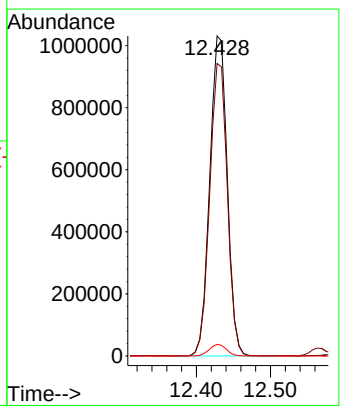


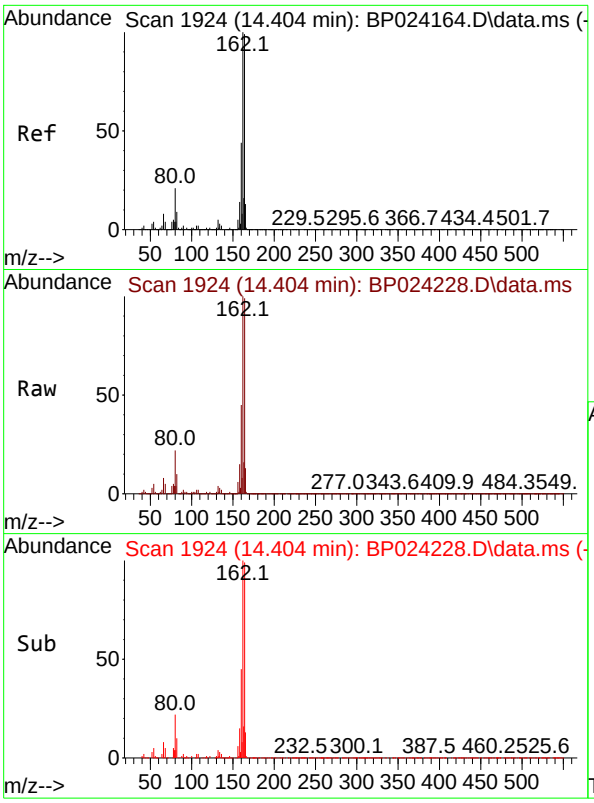




#38
1-Methylnaphthalene
Concen: 41.312 ng
RT: 12.428 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:142 Resp: 1688556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.4 | 73.9 | 110.9 |
| 116 | 3.6 | 2.8 | 4.2 |



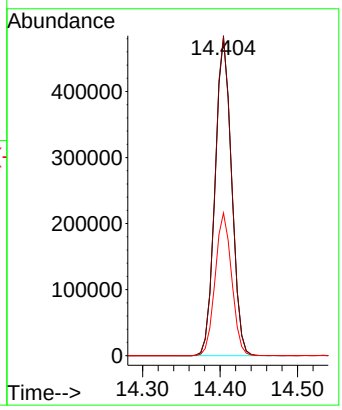


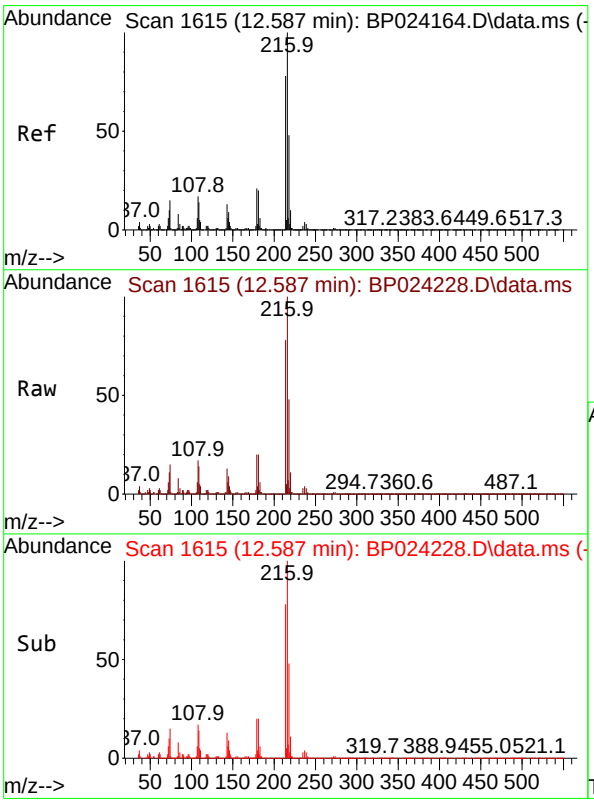

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:164 Resp: 712048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.9 | 80.6 | 121.0 |
| 160 | 45.0 | 35.4 | 53.2 |

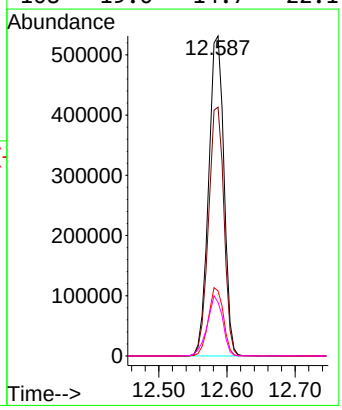


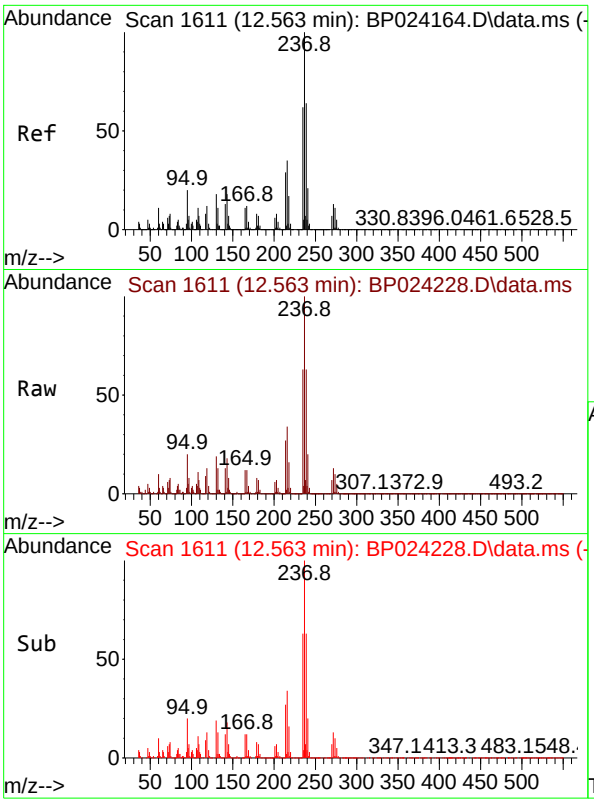




#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.347 ng
RT: 12.587 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:216 Resp: 830463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.2 | 62.8 | 94.2 |
| 179 | 21.0 | 16.8 | 25.2 |
| 108 | 19.0 | 14.7 | 22.1 |



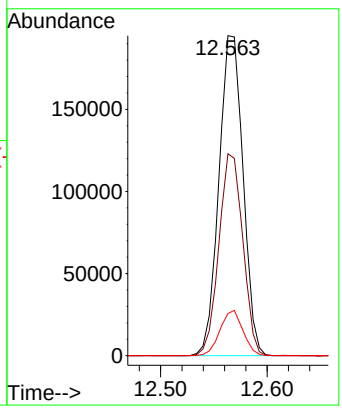


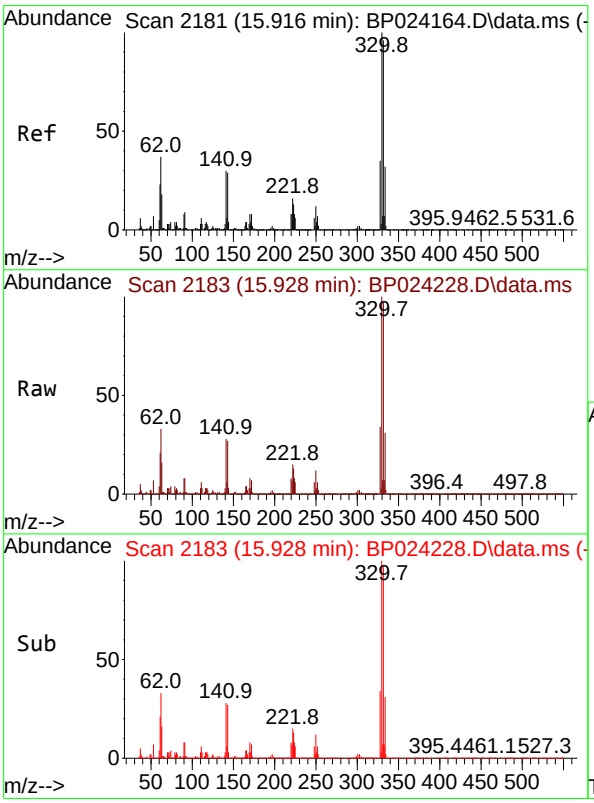

#41
Hexachlorocyclopentadiene
Concen: 41.311 ng
RT: 12.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:237 Resp: 306506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.1 | 41.8 | 81.8 |
| 272 | 13.2 | 0.0 | 33.5 |

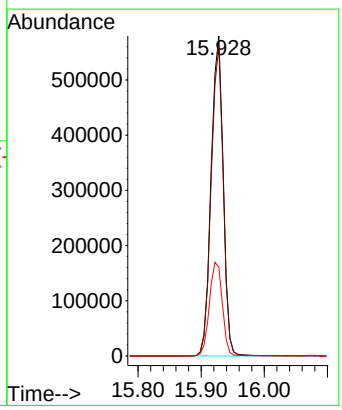


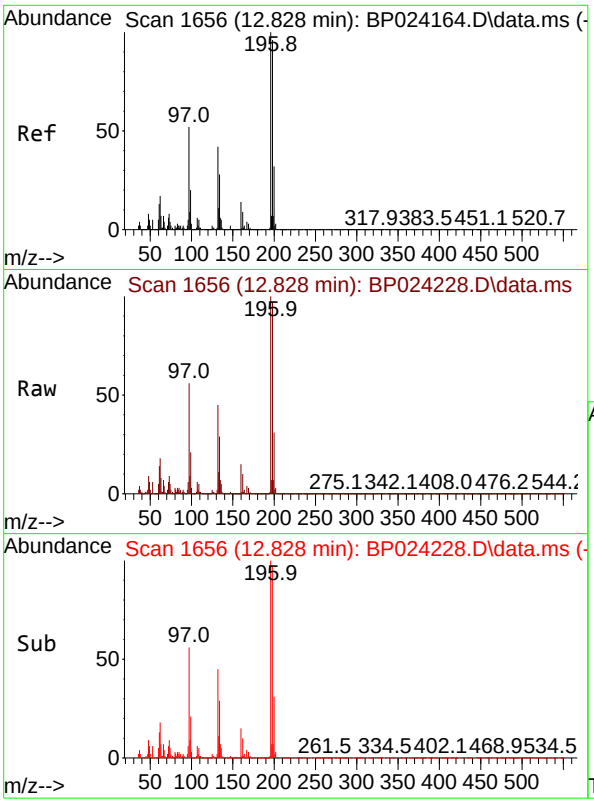




#42
2,4,6-Tribromophenol
Concen: 86.150 ng
RT: 15.928 min Scan# 2183
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:330 Resp: 772690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.4 | 77.6 | 116.4 |
| 141 | 31.2 | 25.0 | 37.6 |



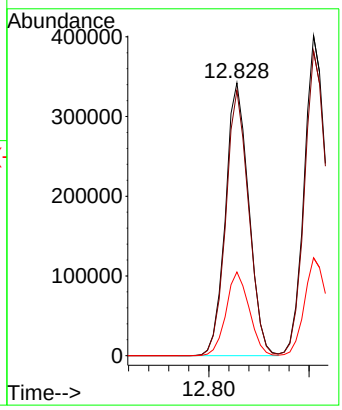


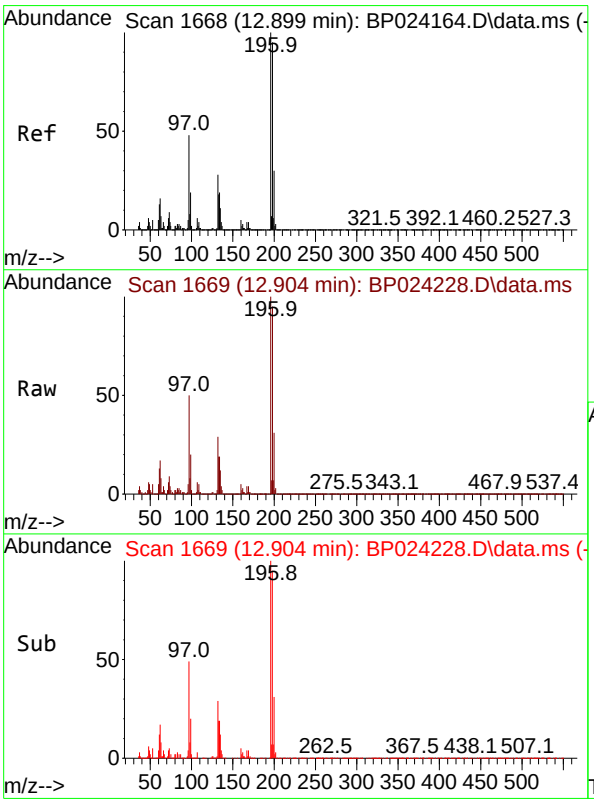

#43
2,4,6-Trichlorophenol
Concen: 42.177 ng
RT: 12.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:196 Resp: 551712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 97.2 | 76.6 | 115.0 |
| 200 | 30.7 | 25.4 | 38.0 |

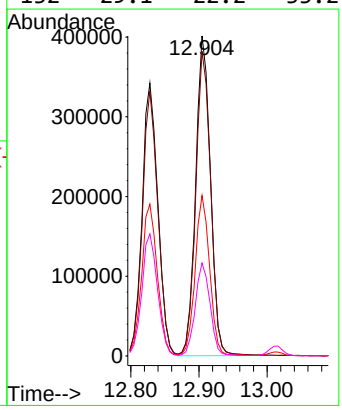


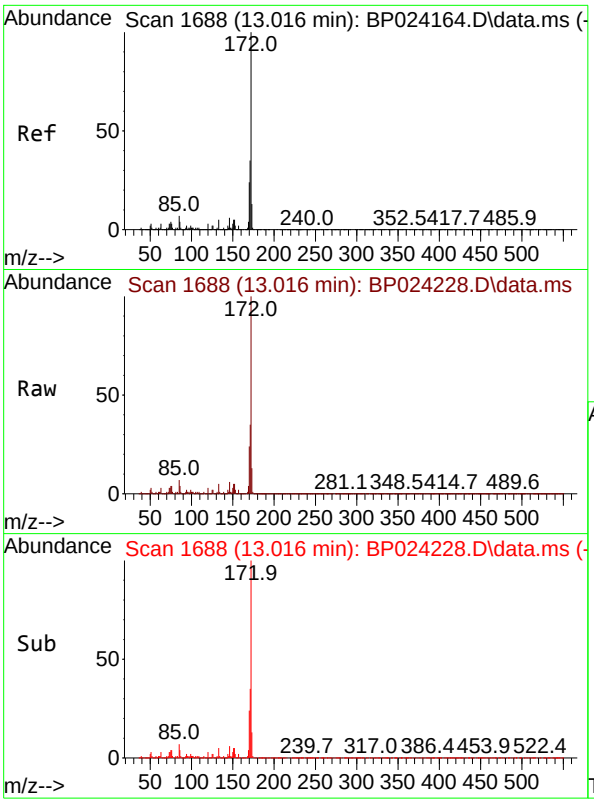




#44
2,4,5-Trichlorophenol
Concen: 42.299 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:196 Resp: 606798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.2 | 76.5 | 114.7 |
| 97 | 50.2 | 38.7 | 58.1 |
| 132 | 29.1 | 22.2 | 33.2 |



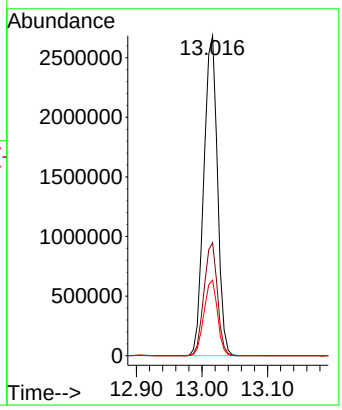


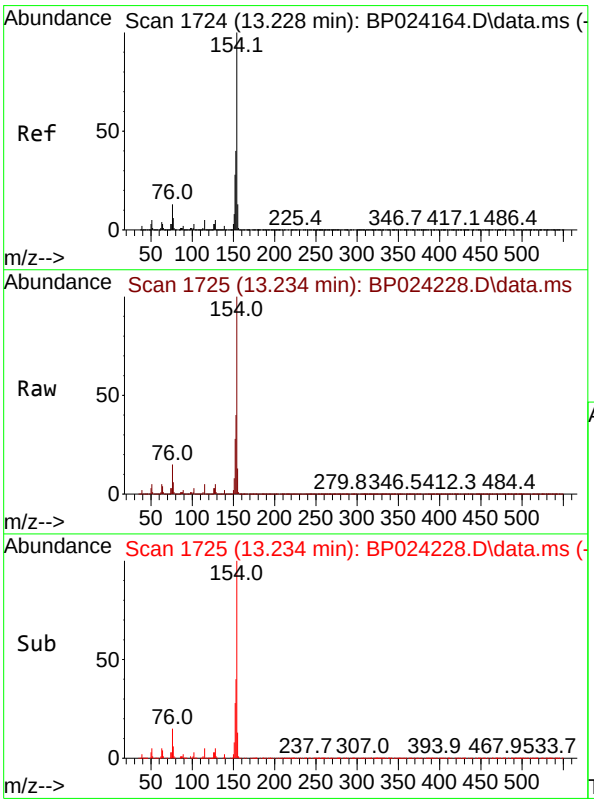

#45
2-Fluorobiphenyl
Concen: 80.493 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:172 Resp: 3887020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 28.3 | 42.5 |
| 170 | 23.6 | 19.0 | 28.4 |

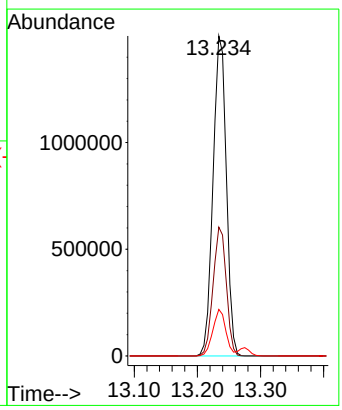


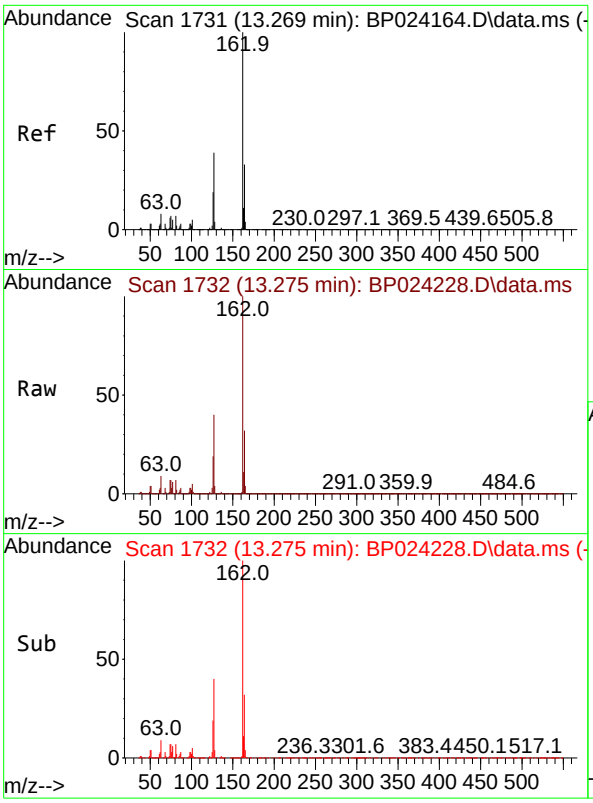




#46
1,1'-Biphenyl
Concen: 40.942 ng
RT: 13.234 min Scan# 1725
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:154 Resp: 2190701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.2 | 20.3 | 60.3 |
| 76 | 14.5 | 0.0 | 32.9 |



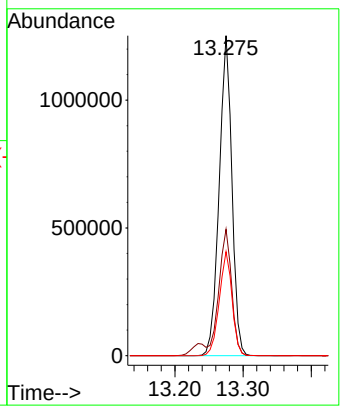


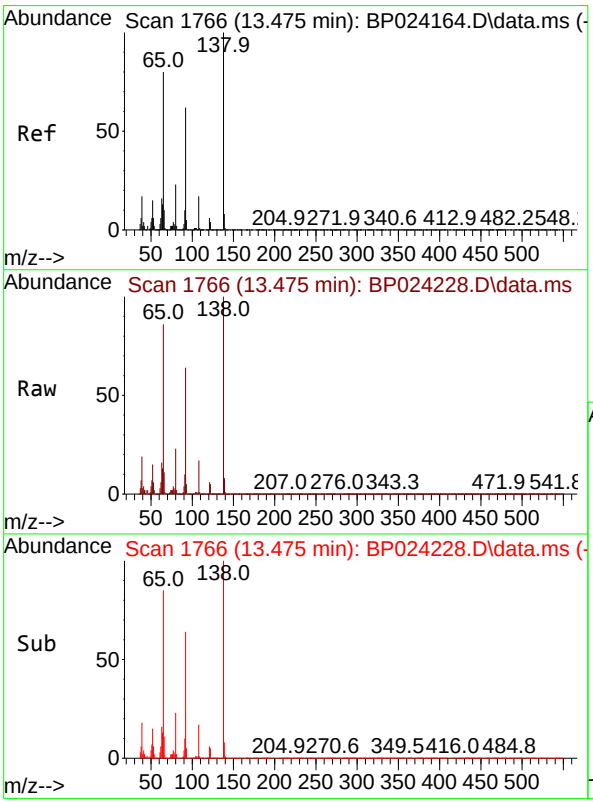

#47
2-Chloronaphthalene
Concen: 40.362 ng
RT: 13.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 1624413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 39.5 | 31.5 | 47.3 |
| 164 | 32.5 | 26.6 | 39.8 |

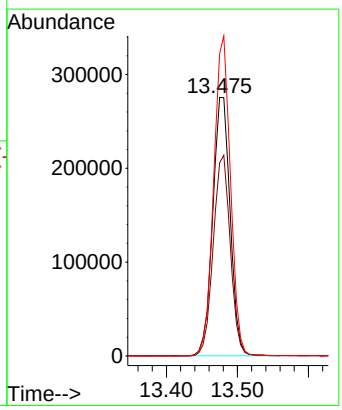


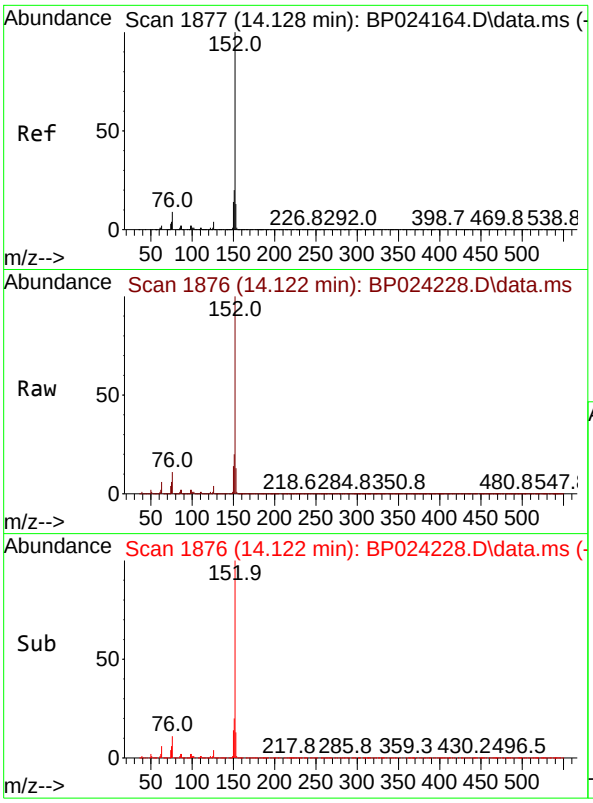




#48
2-Nitroaniline
Concen: 45.470 ng
RT: 13.475 min Scan# 1766
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion: 65 Resp: 468062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 74.7 | 62.1 | 93.1 |
| 138 | 117.0 | 99.5 | 149.3 |



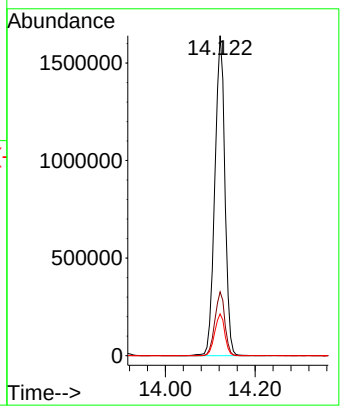


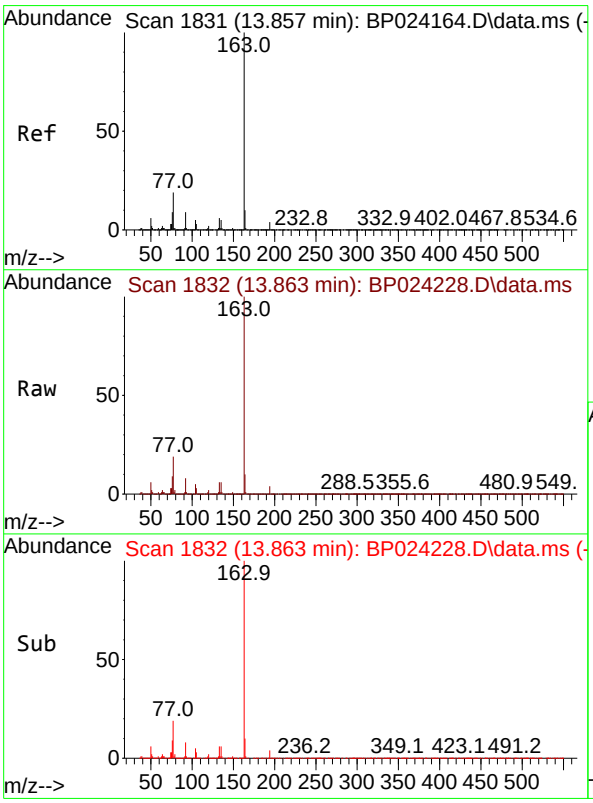

#49
Acenaphthylene
Concen: 41.802 ng
RT: 14.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 2545636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.0 | 16.0 | 24.0 |
| 153 | 13.0 | 10.6 | 15.8 |

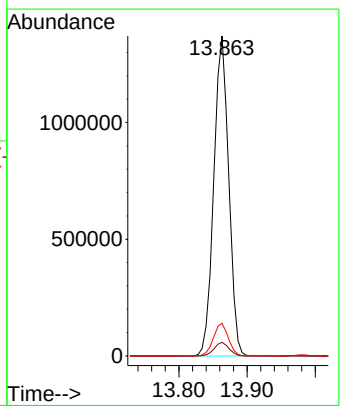


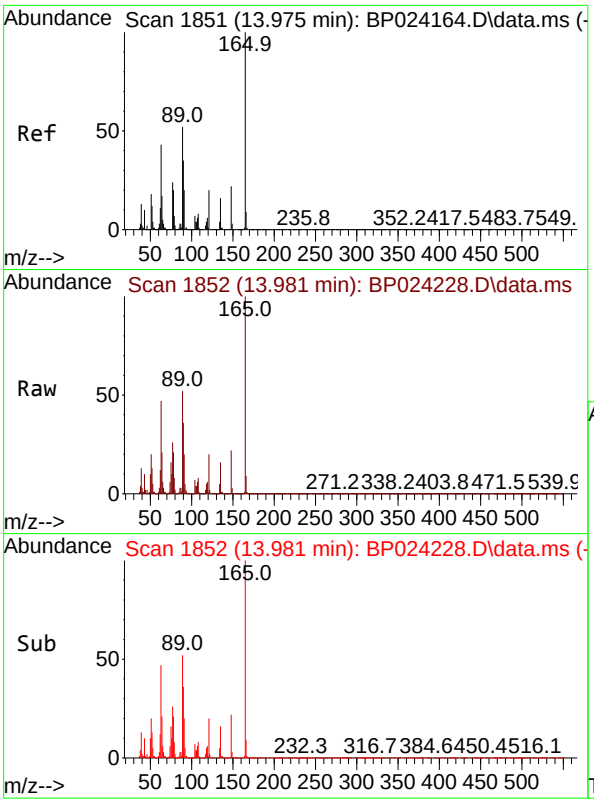




#50
Dimethylphthalate
Concen: 41.901 ng
RT: 13.863 min Scan# 1832
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:163 Resp: 2087636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.4 | 5.0 |
| 164 | 10.2 | 8.2 | 12.4 |



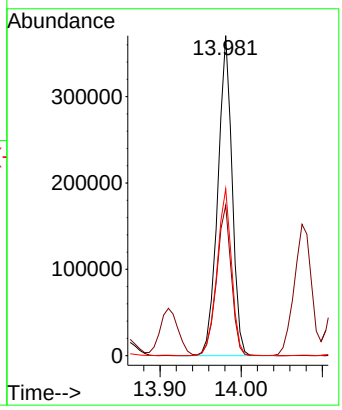


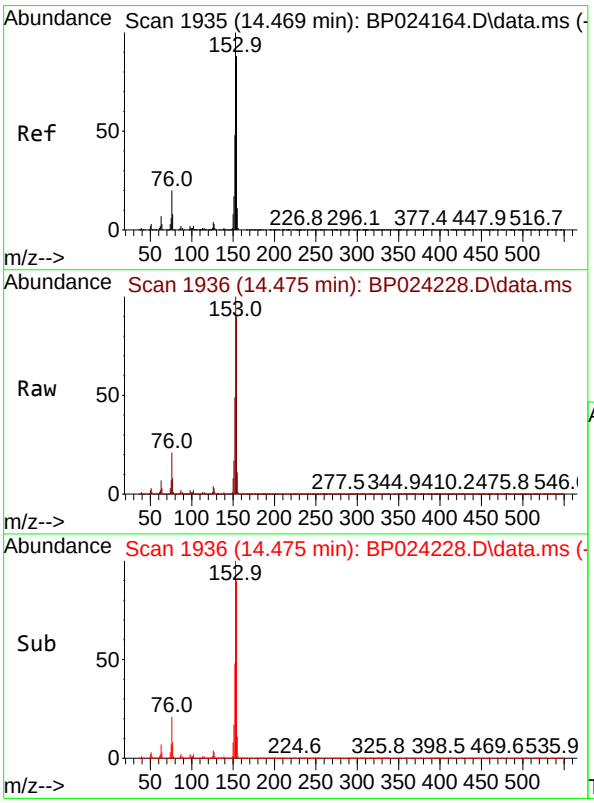

#51
2,6-Dinitrotoluene
Concen: 43.271 ng
RT: 13.981 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 453615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 47.0 | 37.7 | 56.5 |
| 89 | 52.1 | 41.9 | 62.9 |

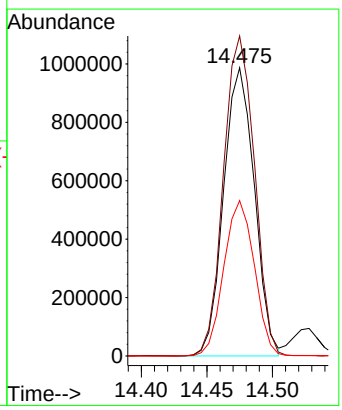


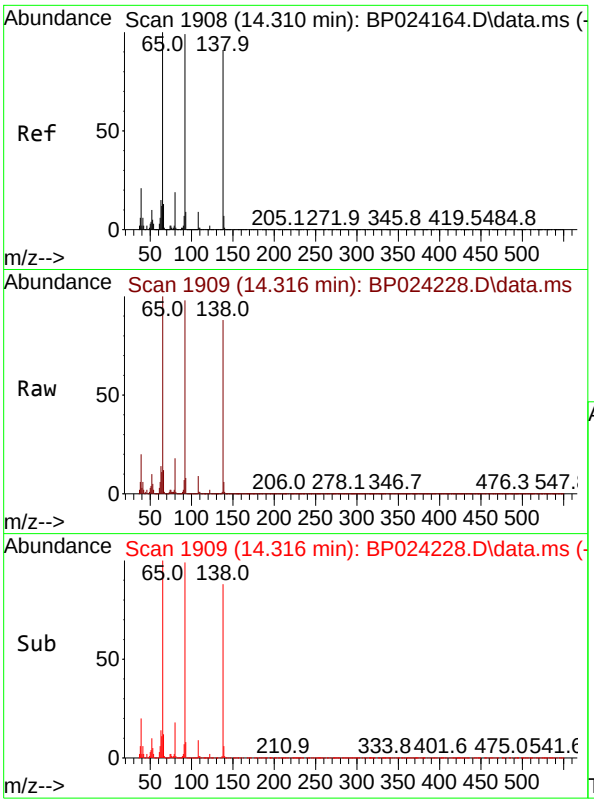




#52
Acenaphthene
Concen: 41.411 ng
RT: 14.475 min Scan# 1936
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:154 Resp: 1611256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.0 | 90.5 | 135.7 |
| 152 | 53.9 | 43.1 | 64.7 |



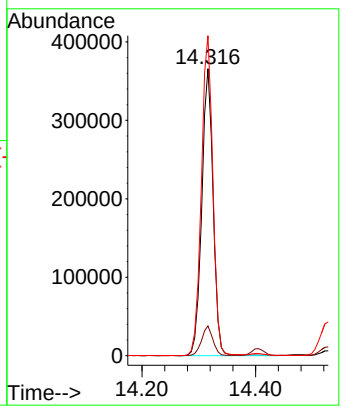


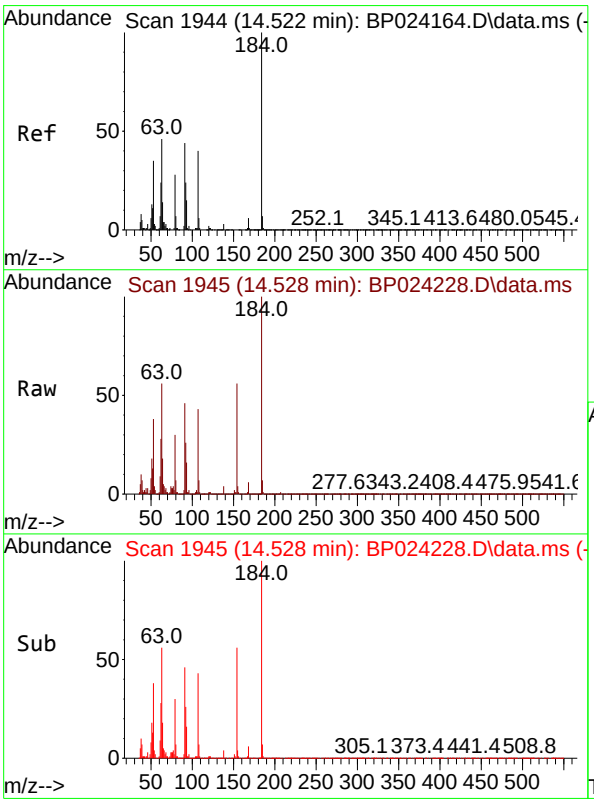

#53
3-Nitroaniline
Concen: 44.593 ng
RT: 14.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:138 Resp: 504903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.4 | 8.2 | 12.2 |
| 92 | 111.5 | 86.7 | 130.1 |

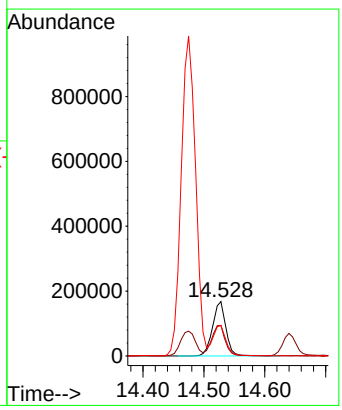


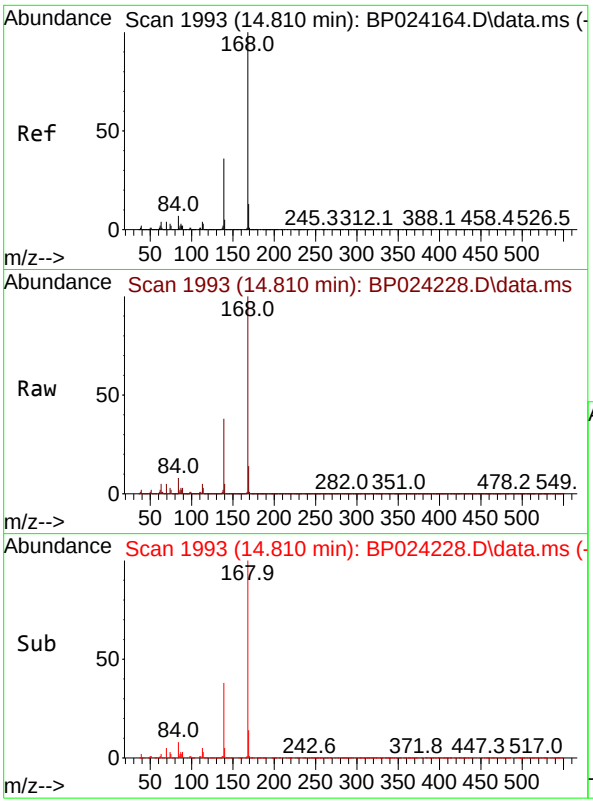




#54
2,4-Dinitrophenol
Concen: 45.859 ng
RT: 14.528 min Scan# 1945
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:184 Resp: 254373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 56.1 | 42.1 | 63.1 |
| 154 | 56.2 | 44.6 | 67.0 |



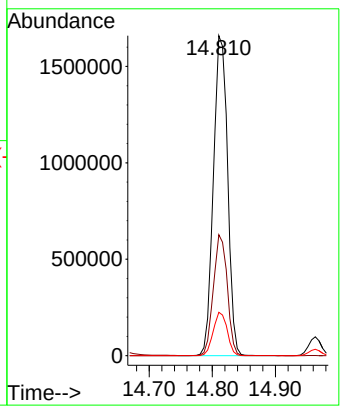


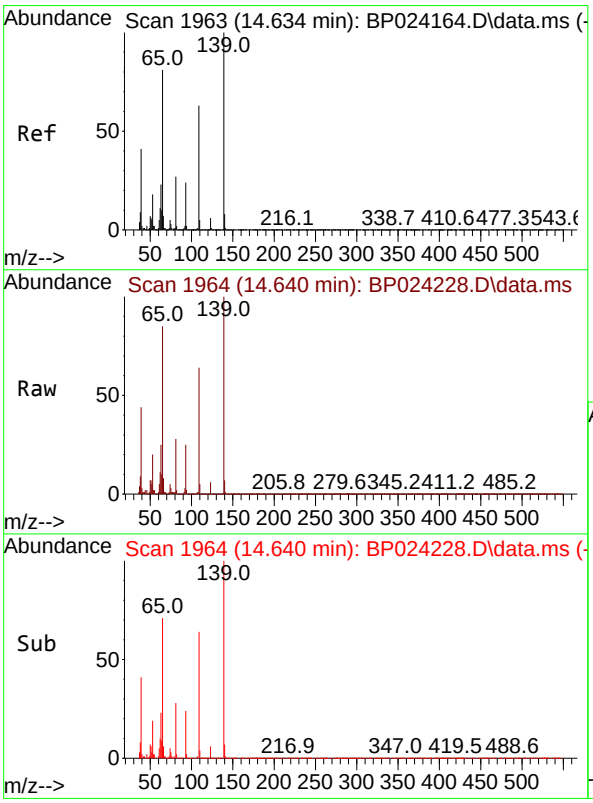

#55
Dibenzofuran
Concen: 41.102 ng
RT: 14.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:168 Resp: 2590493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.8 | 29.1 | 43.7 |
| 169 | 13.5 | 10.8 | 16.2 |

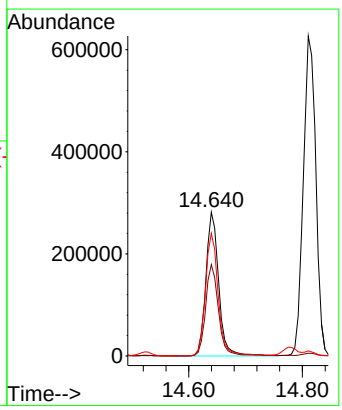


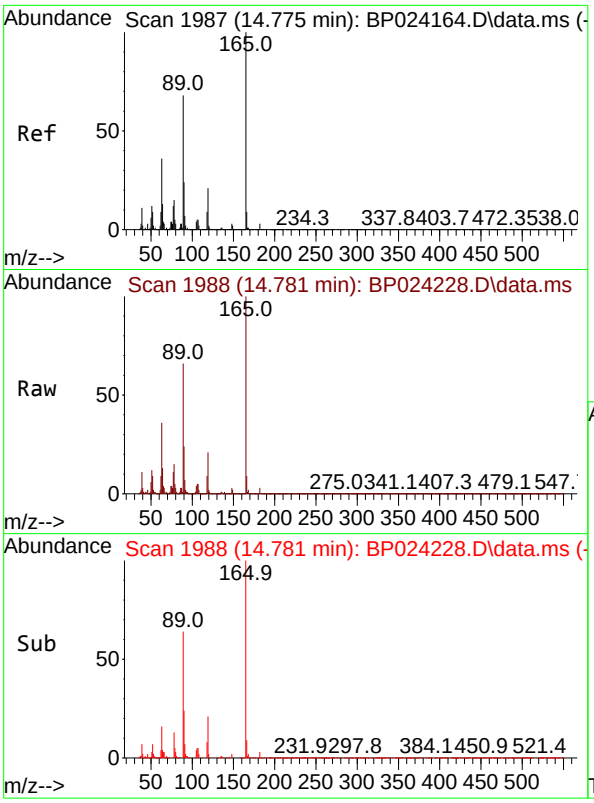




#56
4-Nitrophenol
Concen: 46.371 ng
RT: 14.640 min Scan# 1964
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:139 Resp: 438706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 63.6 | 43.3 | 83.3 |
| 65 | 85.3 | 61.2 | 101.2 |



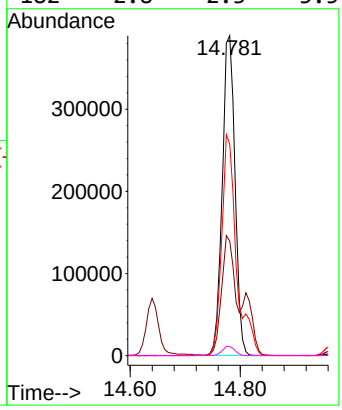


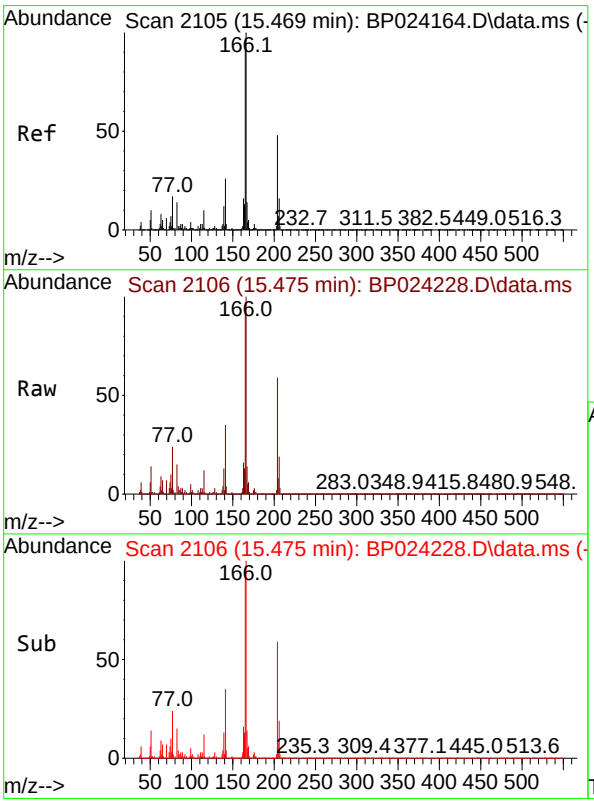

#57
2,4-Dinitrotoluene
Concen: 45.191 ng
RT: 14.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 625765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 35.9 | 29.0 | 43.6 |
| 89 | 66.2 | 54.2 | 81.4 |
| 182 | 2.8 | 2.3 | 3.5 |

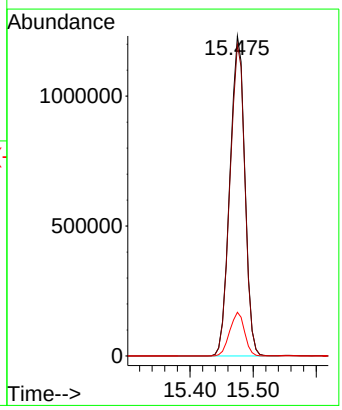


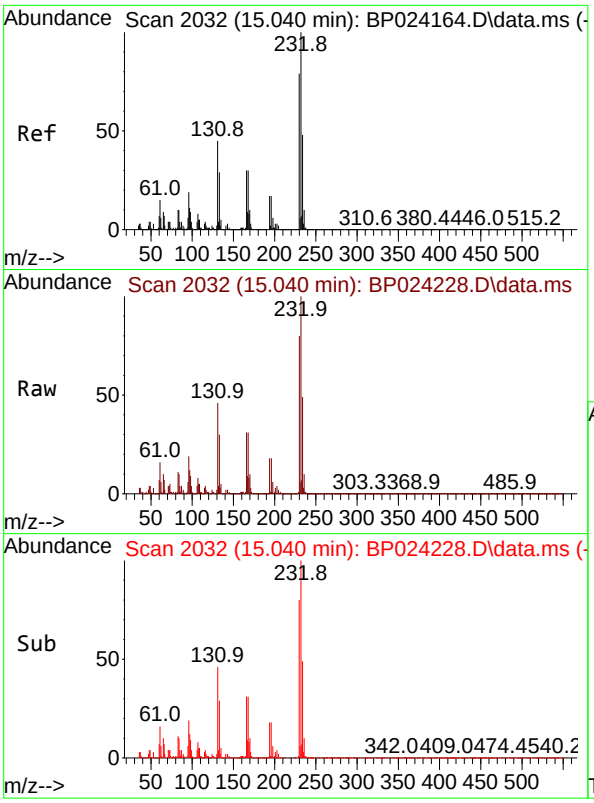




#58
Fluorene
Concen: 41.183 ng
RT: 15.475 min Scan# 2106
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:166 Resp: 2022327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.4 | 77.6 | 116.4 |
| 167 | 13.7 | 10.8 | 16.2 |



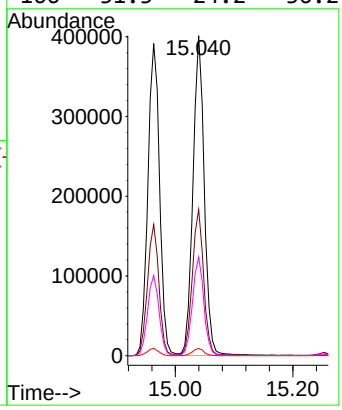


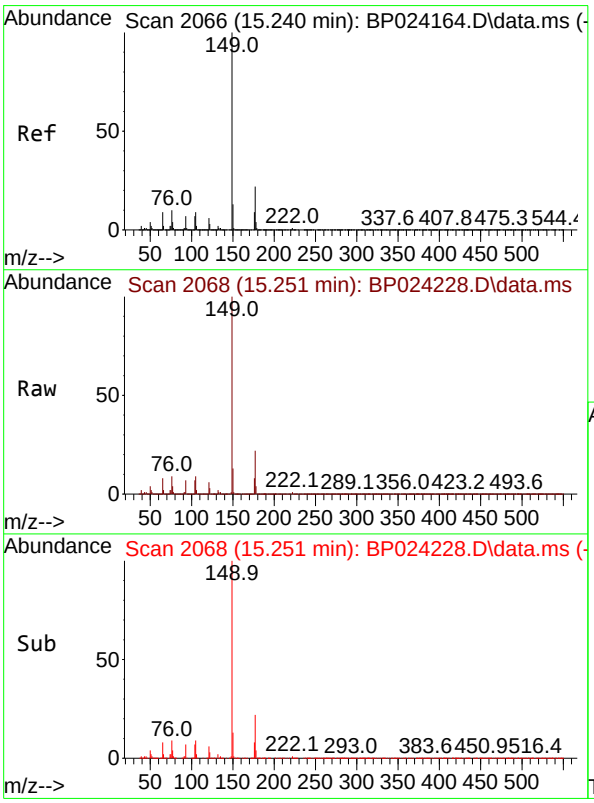

#59
2,3,4,6-Tetrachlorophenol
Concen: 42.344 ng
RT: 15.040 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:232 Resp: 536689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.6 | 35.9 | 53.9 |
| 130 | 2.4 | 1.8 | 2.6 |
| 166 | 31.3 | 24.2 | 36.2 |

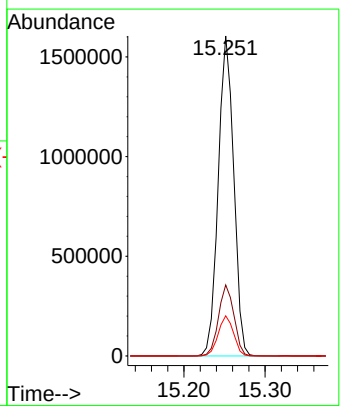


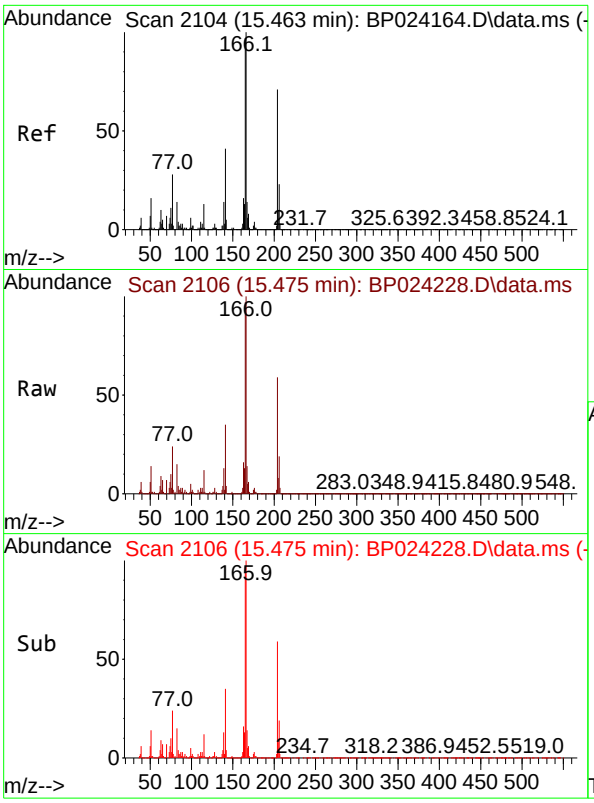




#60
Diethylphthalate
Concen: 42.942 ng
RT: 15.251 min Scan# 2068
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:149 Resp: 2130607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.2 | 17.7 | 26.5 |
| 150 | 12.5 | 10.2 | 15.4 |



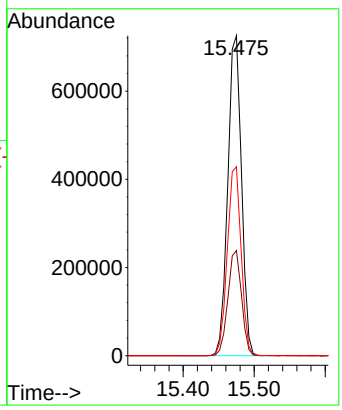


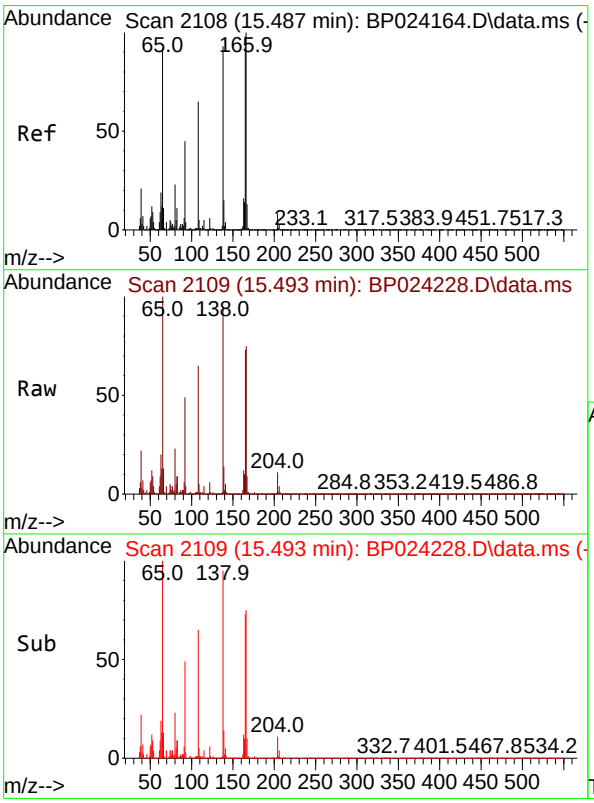

#61
4-Chlorophenyl-phenylether
Concen: 40.284 ng
RT: 15.475 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:204 Resp: 970246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.9 | 26.4 | 39.6 |
| 141 | 59.1 | 45.8 | 68.8 |

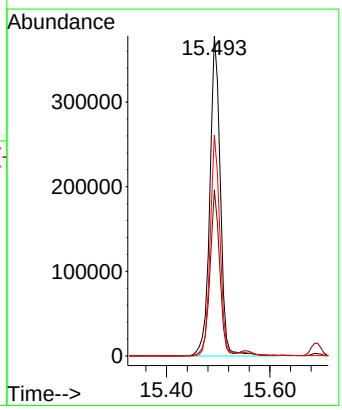


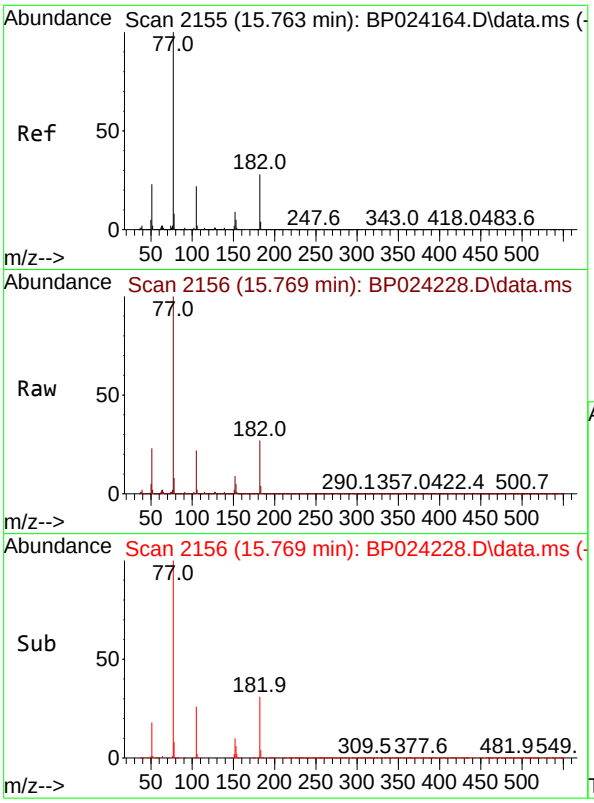




#62
4-Nitroaniline
Concen: 44.847 ng
RT: 15.493 min Scan# 2109
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:138 Resp: 532563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 51.9 | 28.7 | 68.7 |
| 108 | 69.0 | 49.5 | 89.5 |



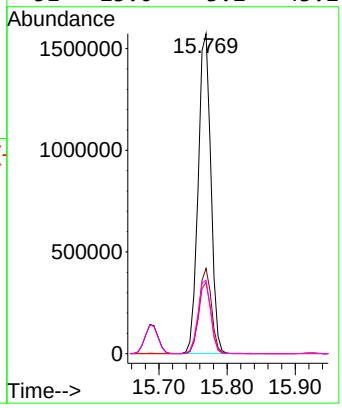


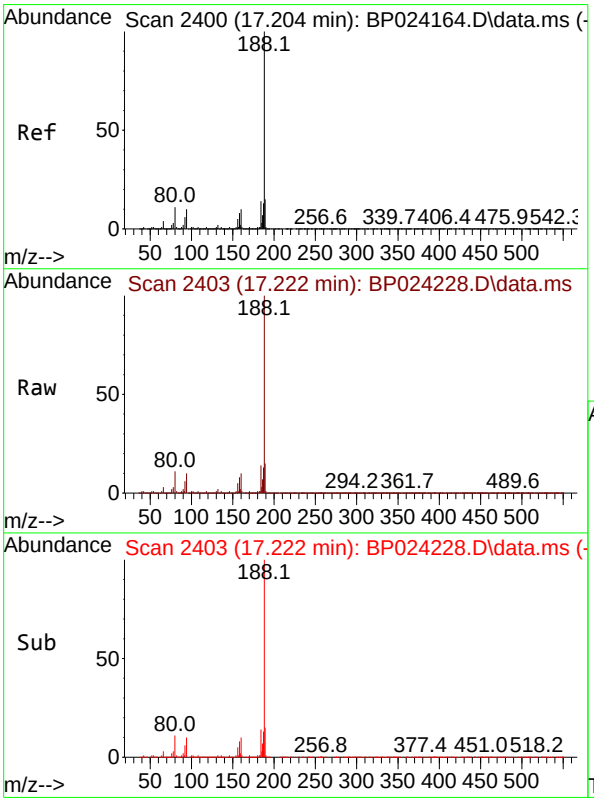

#63
Azobenzene
Concen: 43.353 ng
RT: 15.769 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 2027384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.7 | 7.7 | 47.7 |
| 105 | 22.2 | 2.3 | 42.3 |
| 51 | 23.0 | 3.2 | 43.2 |

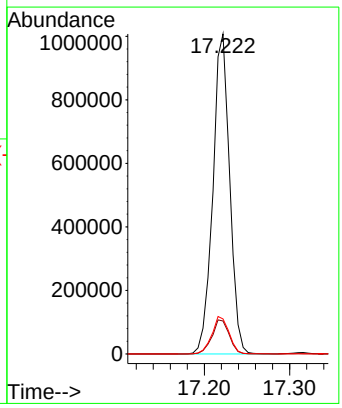


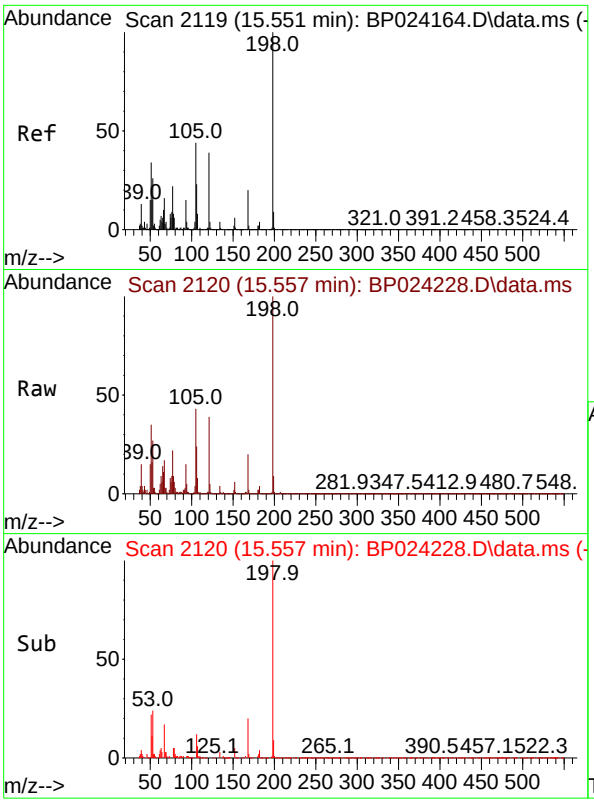




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.222 min Scan# 2403
Delta R.T. 0.018 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:188 Resp: 1380061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.3 | 8.1 | 12.1 |
| 80 | 11.0 | 8.9 | 13.3 |



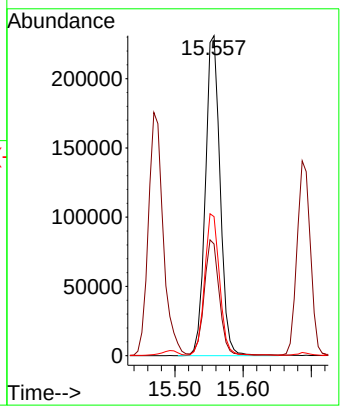


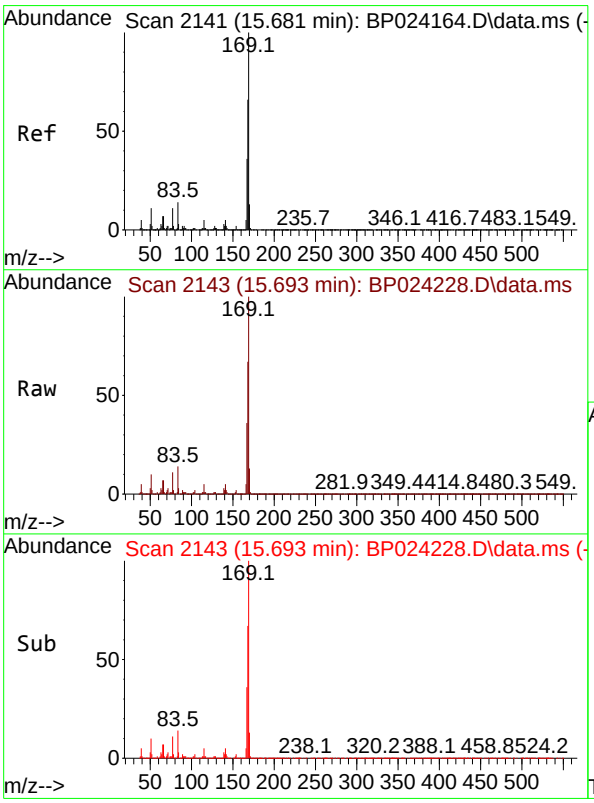

#65
4,6-Dinitro-2-methylphenol
Concen: 42.395 ng
RT: 15.557 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:198 Resp: 347340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 34.9 | 14.7 | 54.7 |
| 105 | 43.5 | 23.8 | 63.8 |

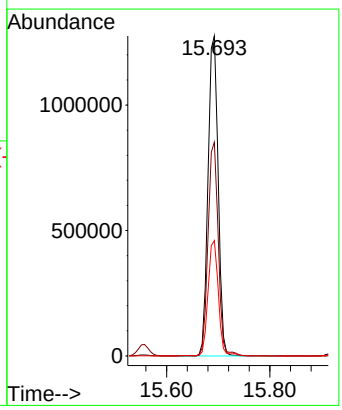


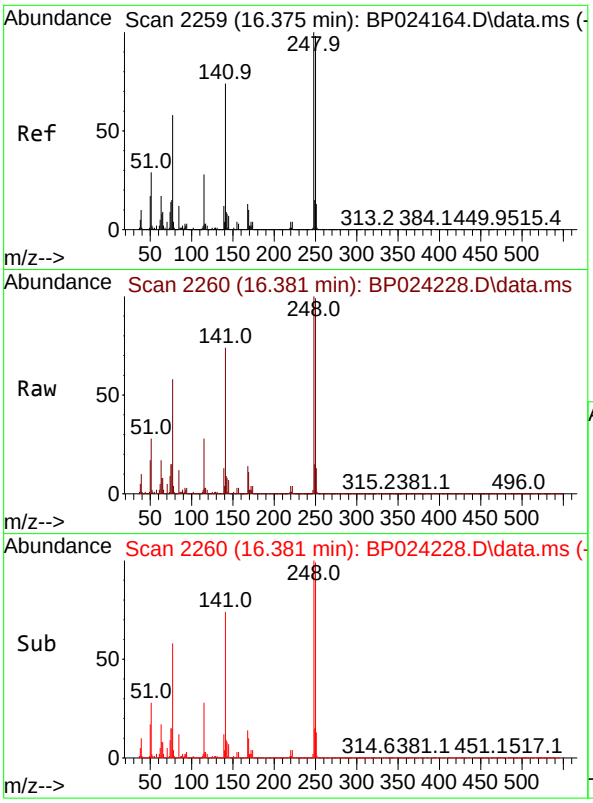




#66
n-Nitrosodiphenylamine
Concen: 41.235 ng
RT: 15.693 min Scan# 2143
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:169 Resp: 1728077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.8 | 52.9 | 79.3 |
| 167 | 36.0 | 28.8 | 43.2 |



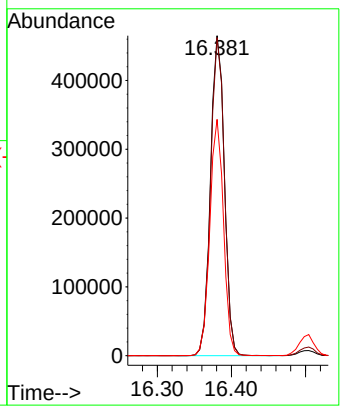


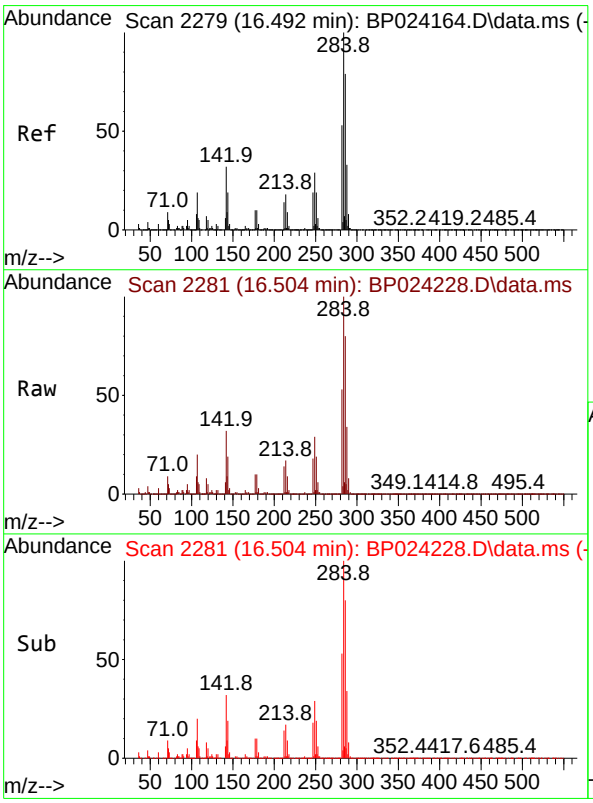

#67
4-Bromophenyl-phenylether
Concen: 40.028 ng
RT: 16.381 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:248 Resp: 606490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 99.4 | 78.4 | 117.6 |
| 141 | 73.8 | 59.4 | 89.0 |

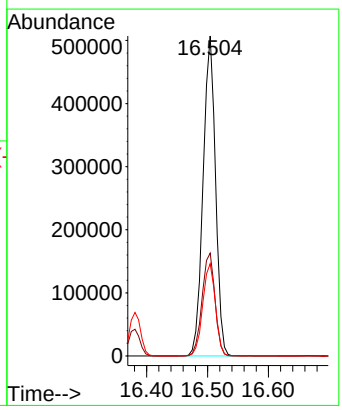


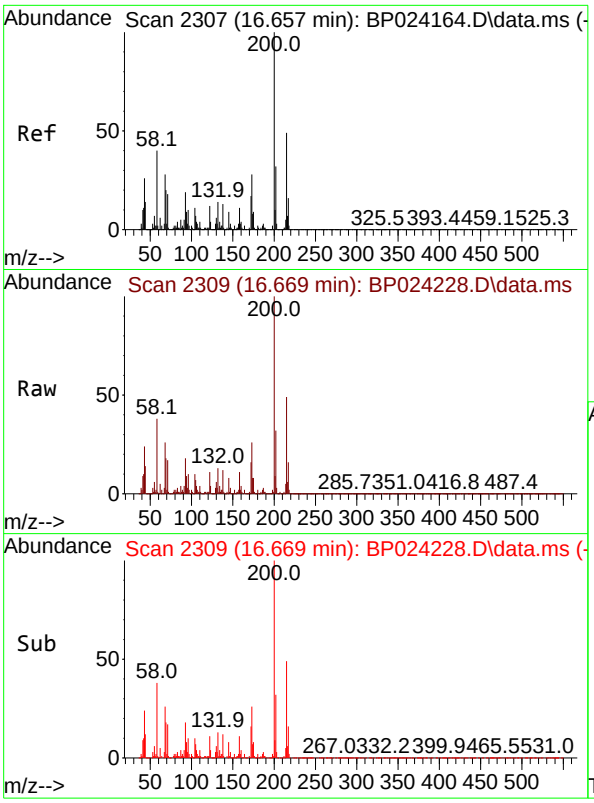




#68
Hexachlorobenzene
Concen: 40.119 ng
RT: 16.504 min Scan# 2281
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:284 Resp: 719481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.2 | 25.4 | 38.2 |
| 249 | 28.8 | 23.5 | 35.3 |



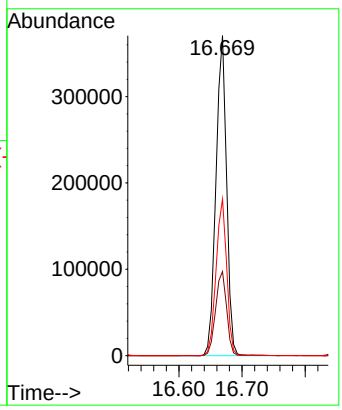


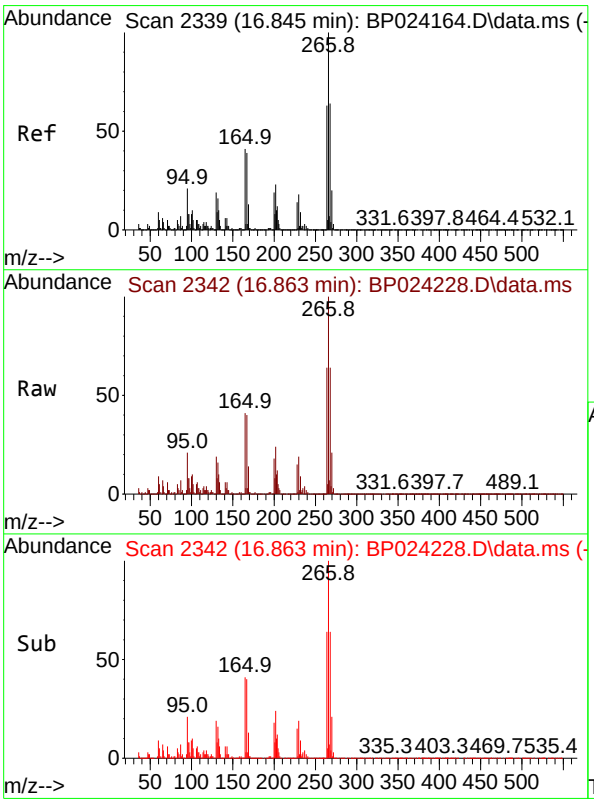

#69
Atrazine
Concen: 42.859 ng
RT: 16.669 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:200 Resp: 433531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.3 | 7.6 | 47.6 |
| 215 | 49.0 | 29.0 | 69.0 |

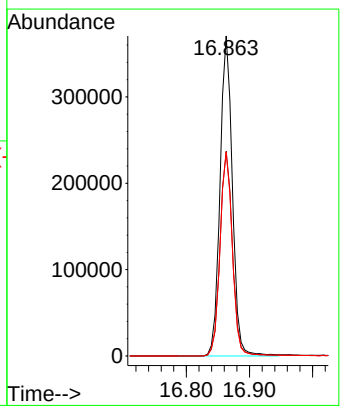


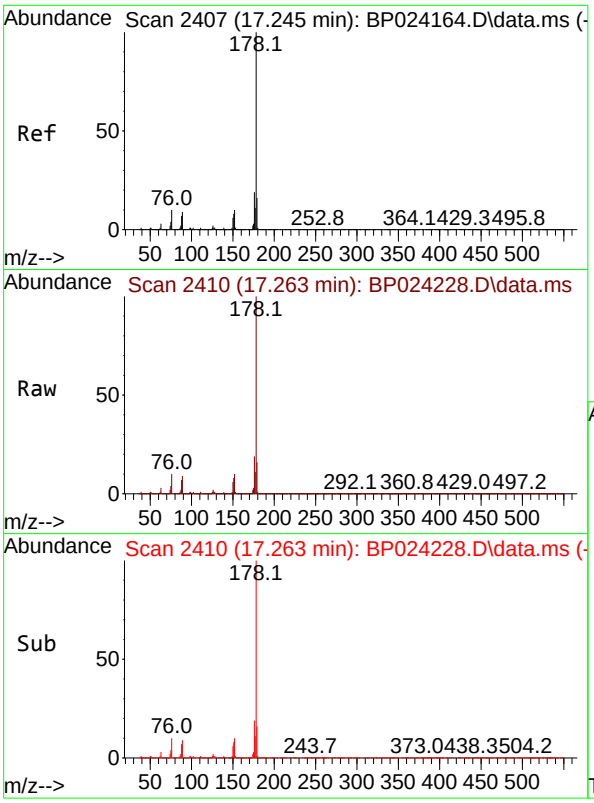




#70
Pentachlorophenol
Concen: 43.456 ng
RT: 16.863 min Scan# 2342
Delta R.T. 0.018 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:266 Resp: 503982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.0 | 51.3 | 76.9 |
| 264 | 63.8 | 50.6 | 76.0 |



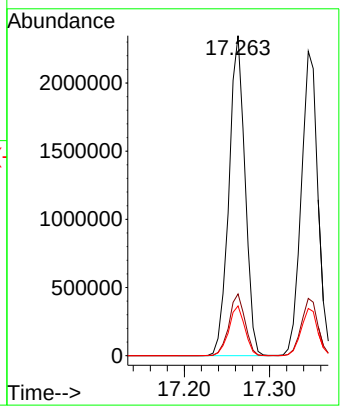


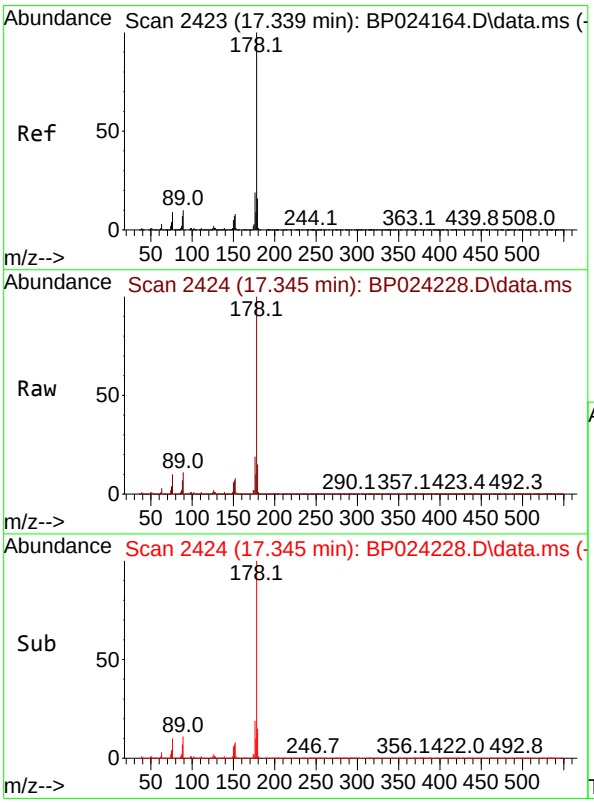

#71
Phenanthrene
Concen: 40.902 ng
RT: 17.263 min Scan# 24
Delta R.T. 0.018 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:178 Resp: 3083668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.6 | 23.4 |
| 179 | 15.6 | 12.5 | 18.7 |

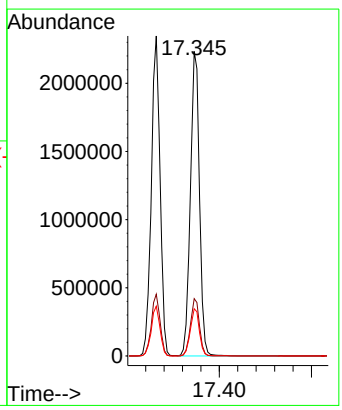


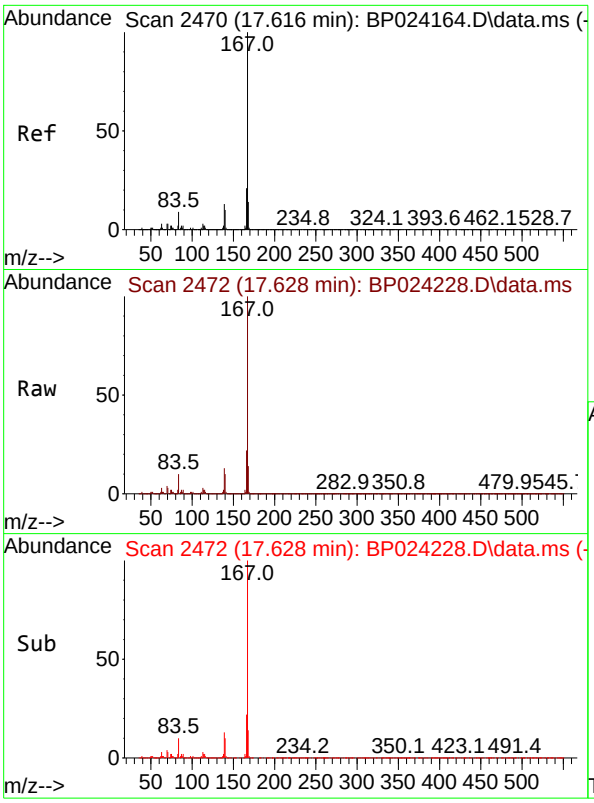




#72
Anthracene
Concen: 41.398 ng
RT: 17.345 min Scan# 2424
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:178 Resp: 3039833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.2 | 22.8 |
| 179 | 15.5 | 12.6 | 18.8 |



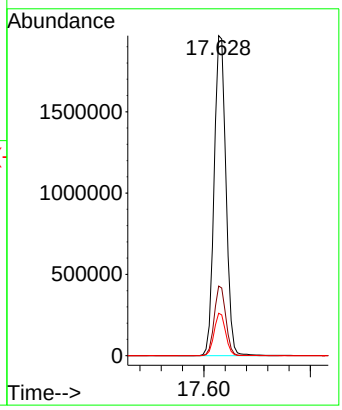


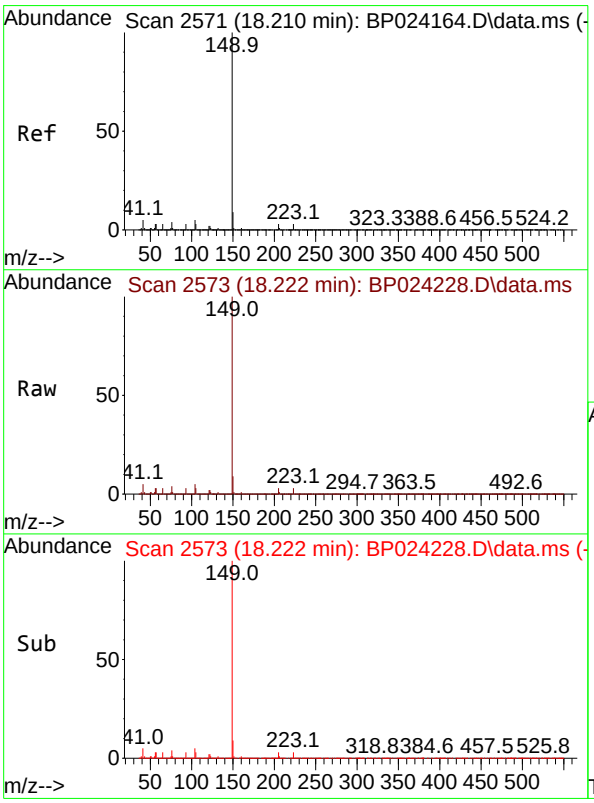

#73
Carbazole
Concen: 42.549 ng
RT: 17.628 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:167 Resp: 3013012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.8 | 17.1 | 25.7 |
| 139 | 13.3 | 10.2 | 15.4 |

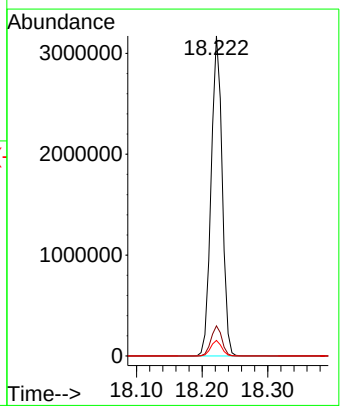


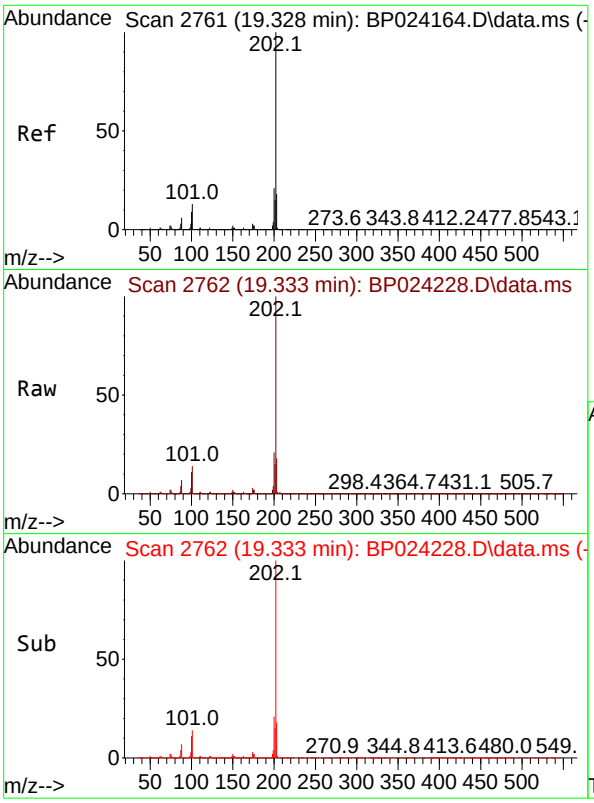




#74
Di-n-butylphthalate
Concen: 44.147 ng
RT: 18.222 min Scan# 2573
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:149 Resp: 3711096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.4 | 7.6 | 11.4 |
| 104 | 4.8 | 3.9 | 5.9 |



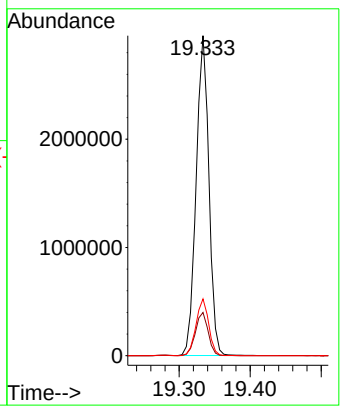


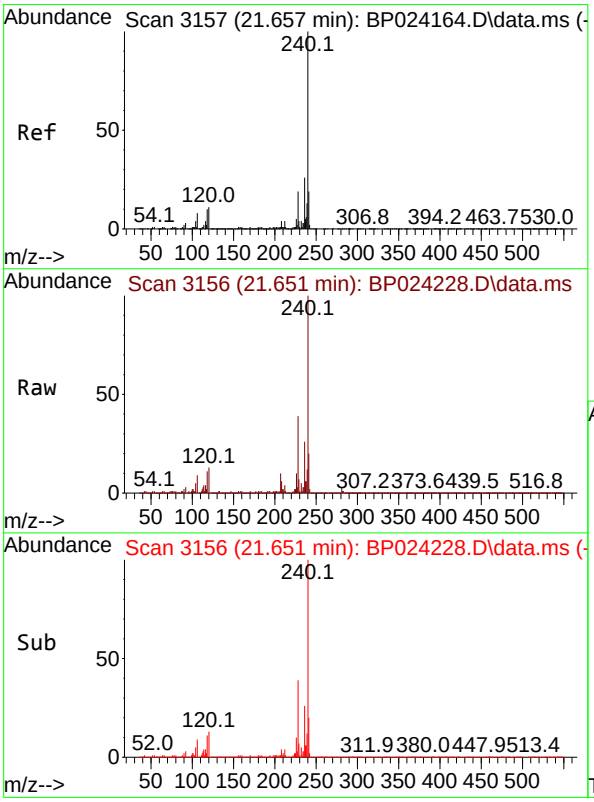

#75
Fluoranthene
Concen: 42.341 ng
RT: 19.333 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:202 Resp: 3697085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.5 | 0.0 | 32.5 |
| 203 | 17.7 | 0.0 | 37.9 |

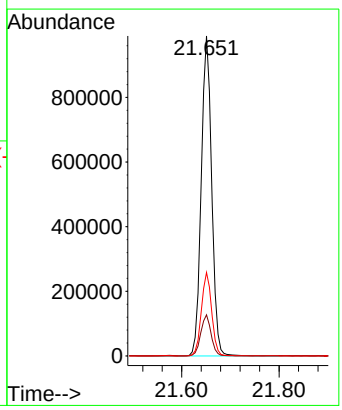


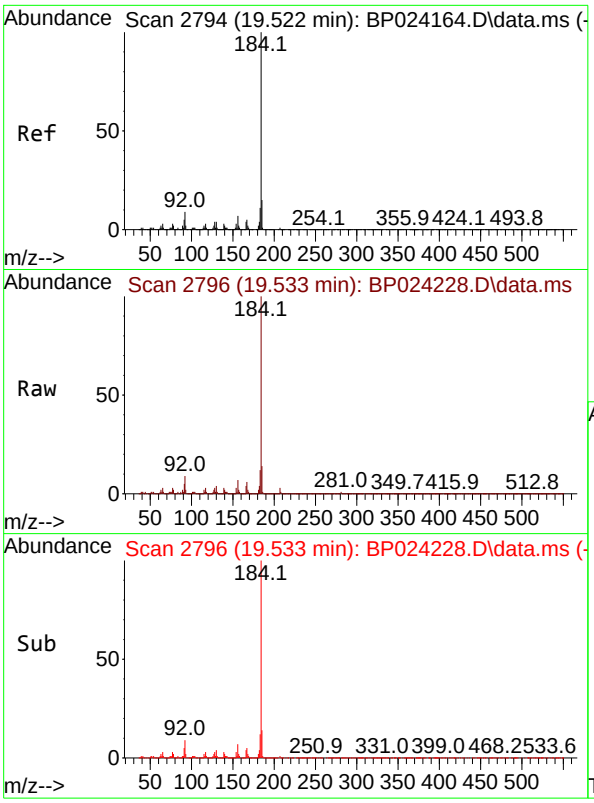




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.651 min Scan# 3156
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:240 Resp: 1470276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.9 | 9.2 | 13.8 |
| 236 | 26.1 | 20.4 | 30.6 |



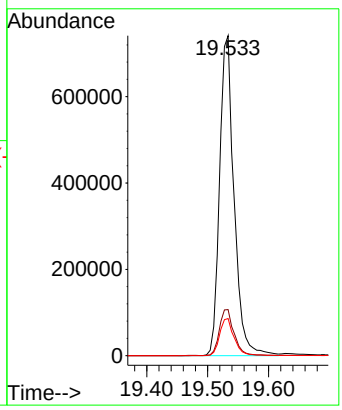


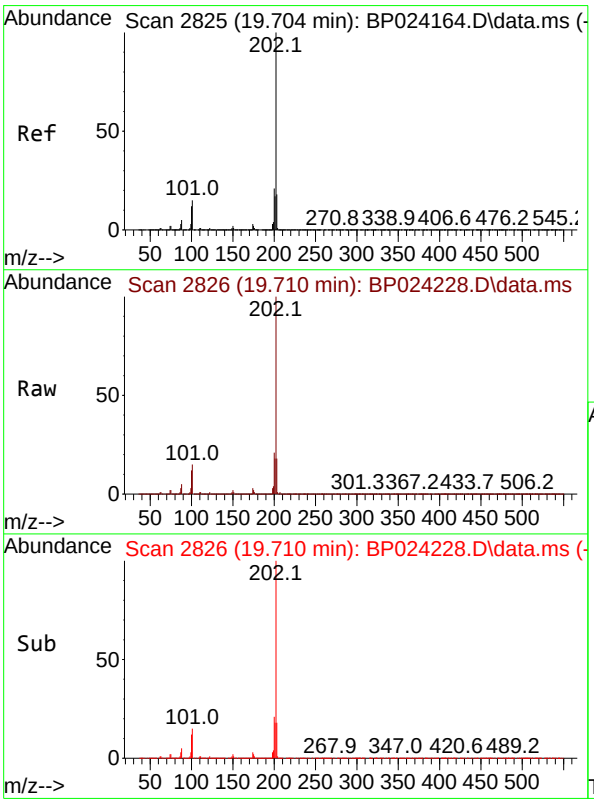

#77
Benzidine
Concen: 76.030 ng
RT: 19.533 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:184 Resp: 1222191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.4 | 11.8 | 17.6 |
| 183 | 11.6 | 9.1 | 13.7 |

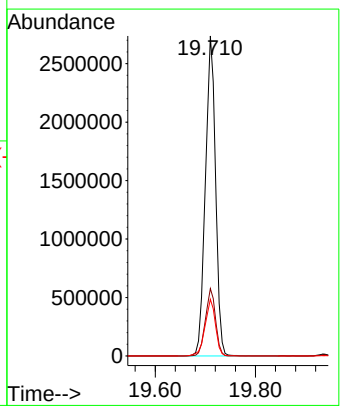


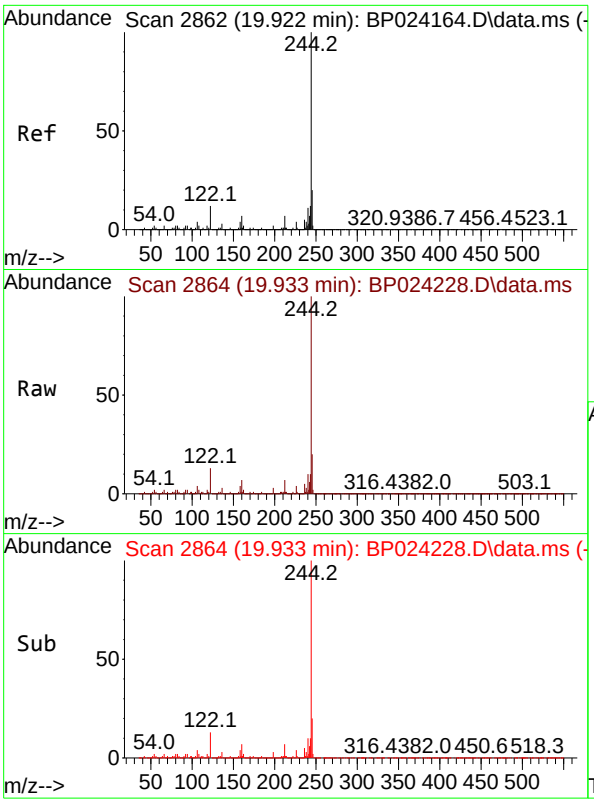




#78
Pyrene
Concen: 42.301 ng
RT: 19.710 min Scan# 2826
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:202 Resp: 3866558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.0 | 17.1 | 25.7 |
| 203 | 17.7 | 14.2 | 21.4 |



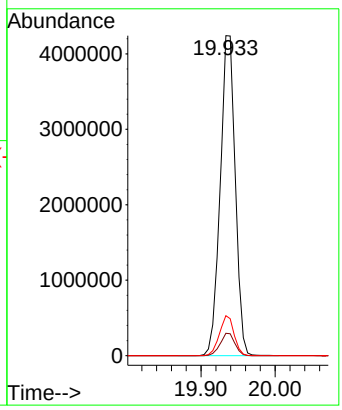


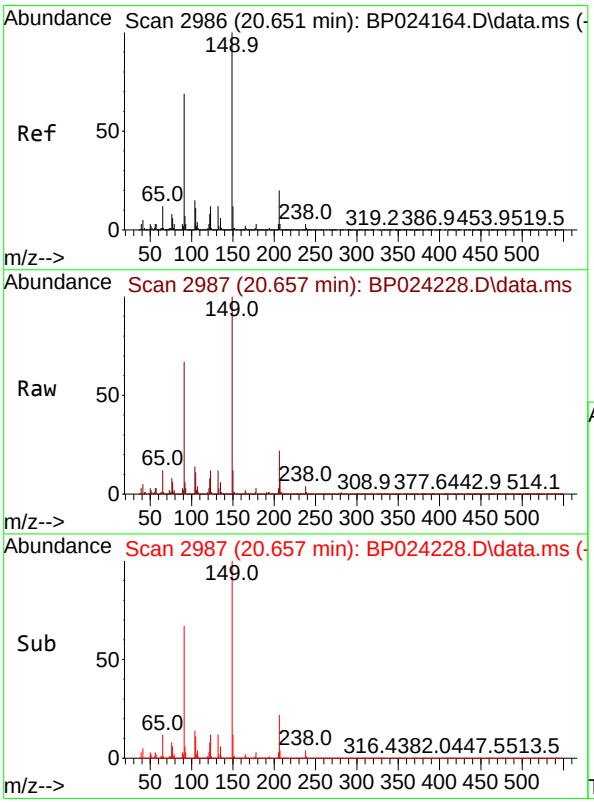

#79
Terphenyl-d14
Concen: 84.151 ng
RT: 19.933 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:244 Resp: 5993823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.7 | 8.5 |
| 122 | 12.5 | 9.6 | 14.4 |

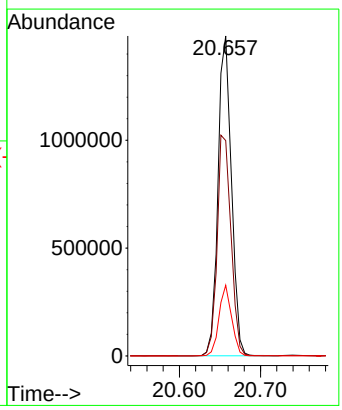


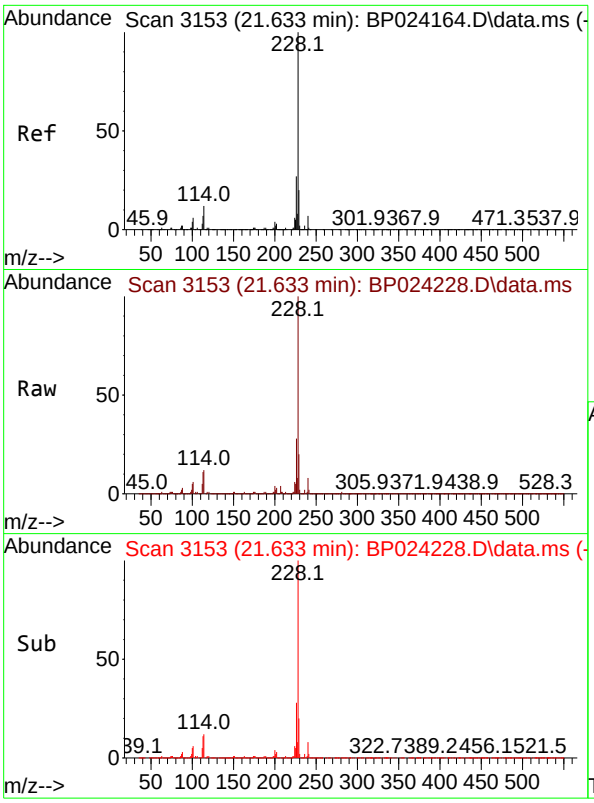




#80
Butylbenzylphthalate
Concen: 45.164 ng
RT: 20.657 min Scan# 2987
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:149 Resp: 1702434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 67.3 | 55.3 | 82.9 |
| 206 | 22.1 | 16.1 | 24.1 |



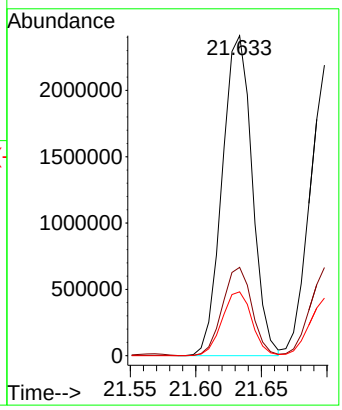


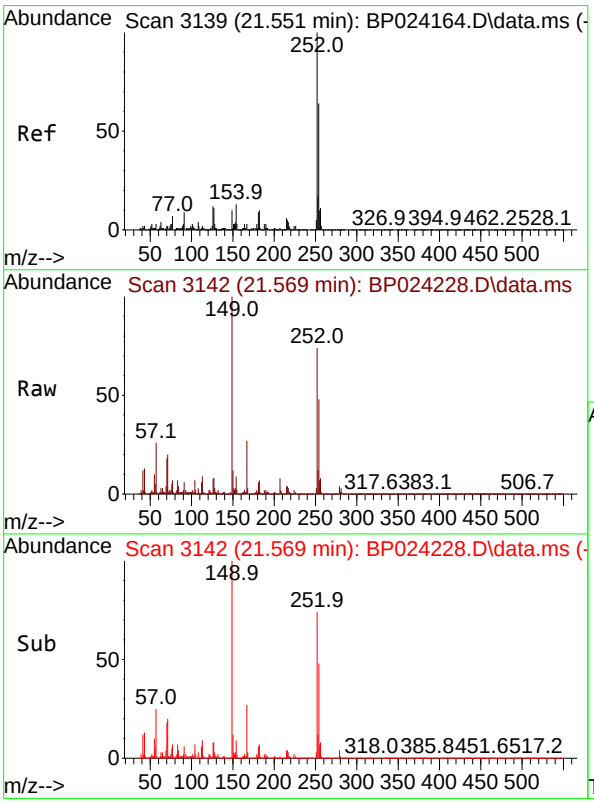

#81
Benzo(a)anthracene
Concen: 41.922 ng
RT: 21.633 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 3832104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.6 | 21.8 | 32.8 |
| 229 | 20.0 | 16.0 | 24.0 |

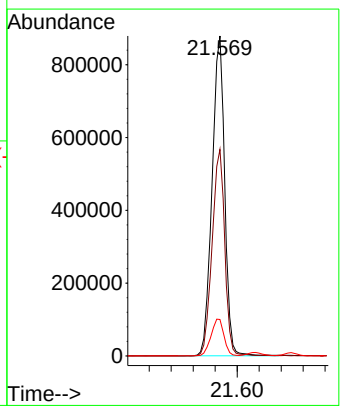


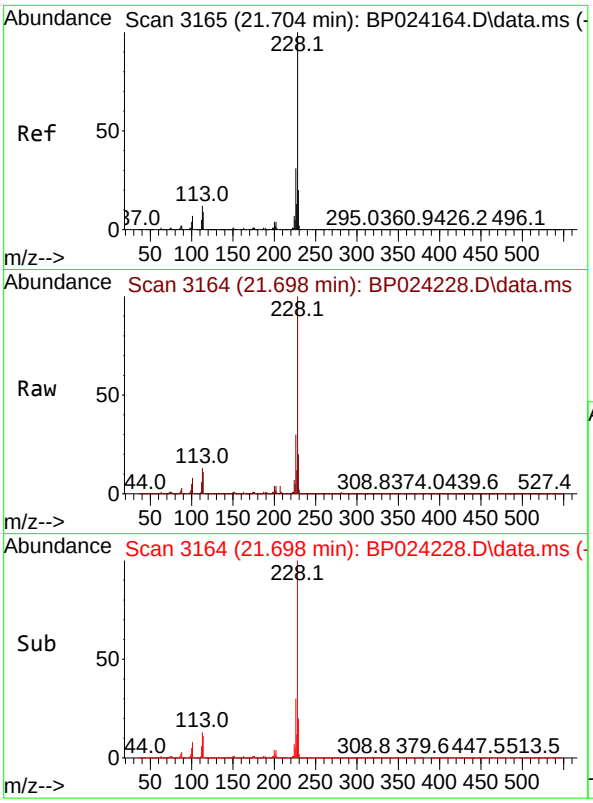




#82
3,3'-Dichlorobenzidine
Concen: 45.751 ng
RT: 21.569 min Scan# 3142
Delta R.T. 0.018 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:252 Resp: 1401662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.6 | 51.4 | 77.2 |
| 126 | 11.4 | 9.3 | 13.9 |



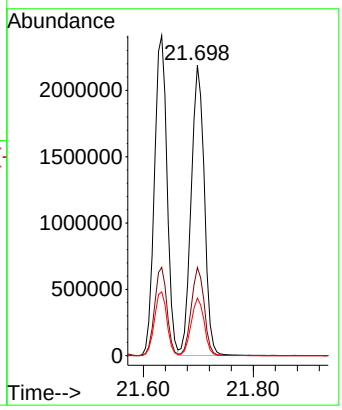


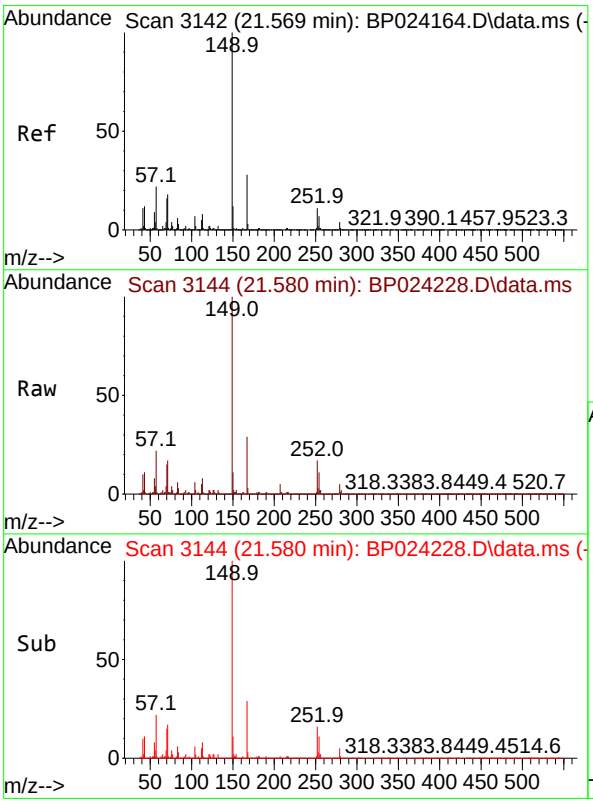

#83
Chrysene
Concen: 41.358 ng
RT: 21.698 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 3634359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 24.5 | 36.7 |
| 229 | 19.8 | 16.2 | 24.2 |

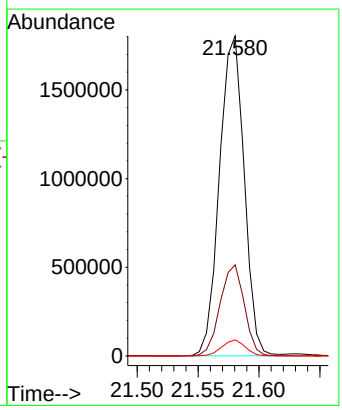


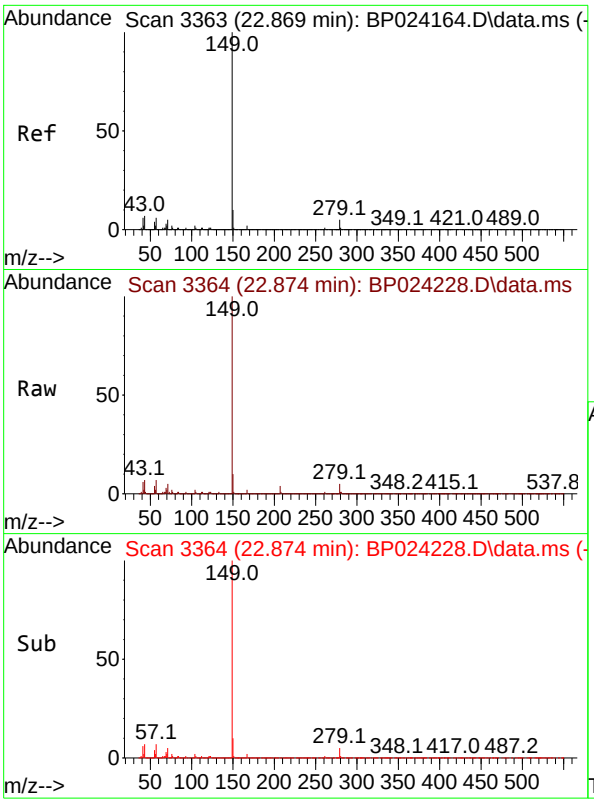




#84
Bis(2-ethylhexyl)phthalate
Concen: 44.781 ng
RT: 21.580 min Scan# 3144
Delta R.T. 0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:149 Resp: 2547023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.5 | 22.5 | 33.7 |
| 279 | 5.1 | 3.6 | 5.4 |



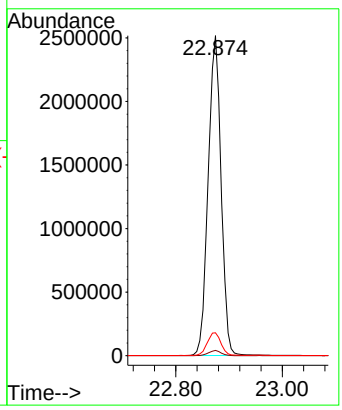


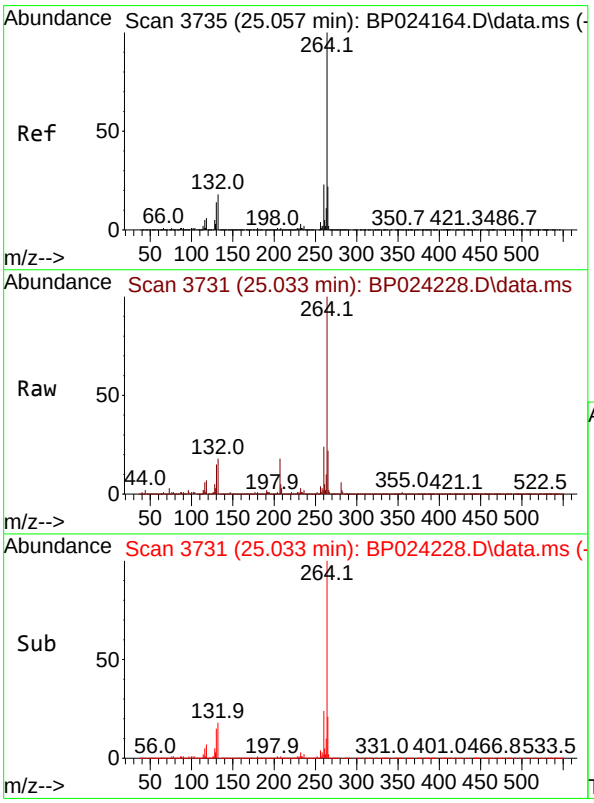

#85
Di-n-octyl phthalate
Concen: 46.485 ng
RT: 22.874 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:149 Resp: 4236142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 7.7 | 5.8 | 8.8 |

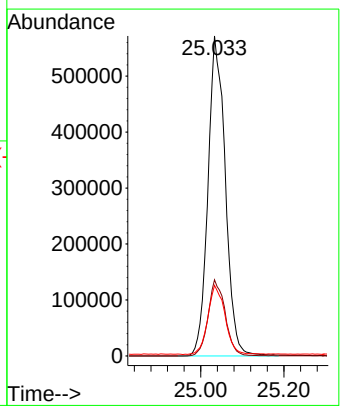


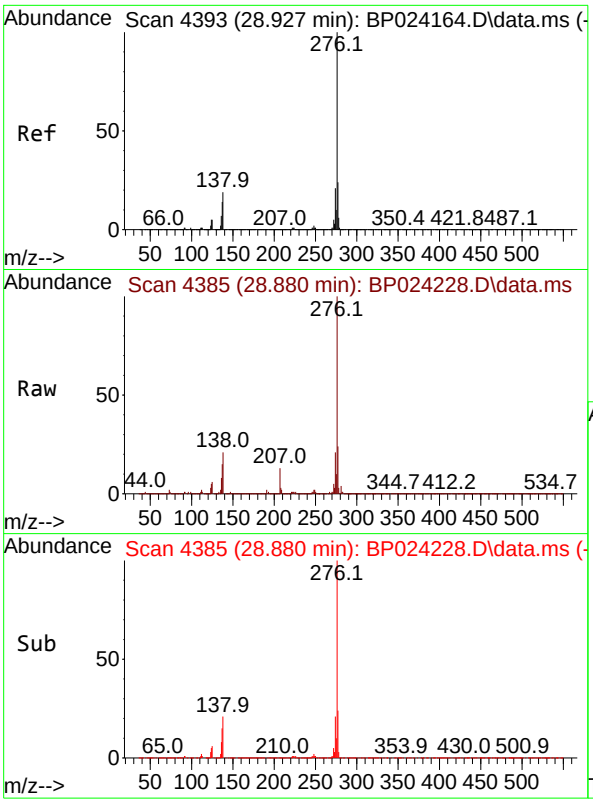




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.033 min Scan# 3731
Delta R.T. -0.024 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:264 Resp: 1654294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 18.5 | 27.7 |
| 265 | 22.0 | 17.7 | 26.5 |



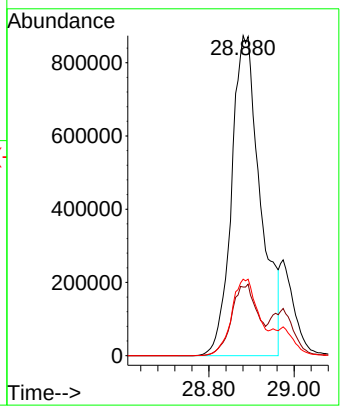


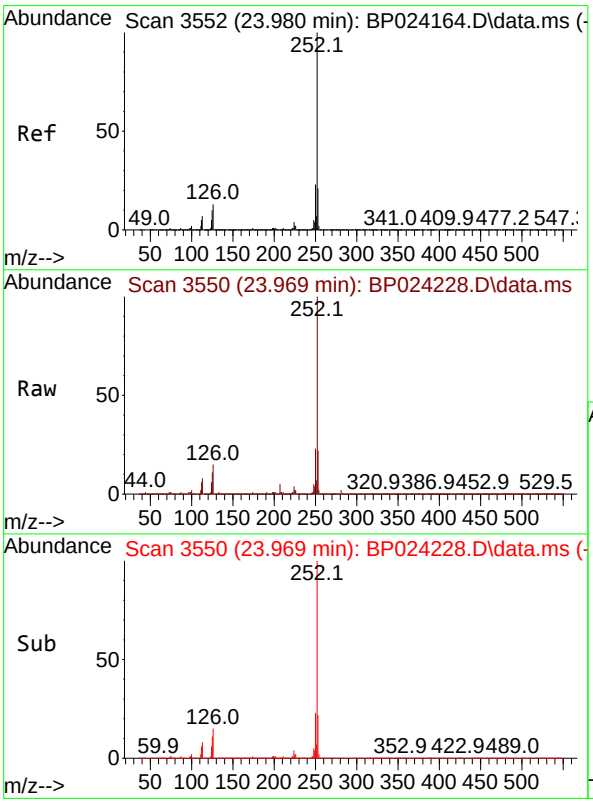

#87
Indeno(1,2,3-cd)pyrene
Concen: 35.545 ng
RT: 28.880 min Scan# 4
Delta R.T. -0.047 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:276 Resp: 4103902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.3 | 13.7 | 20.5 |
| 277 | 22.1 | 20.2 | 30.2 |

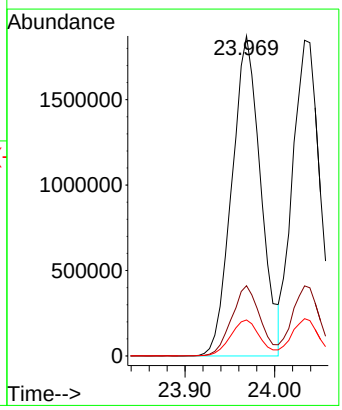


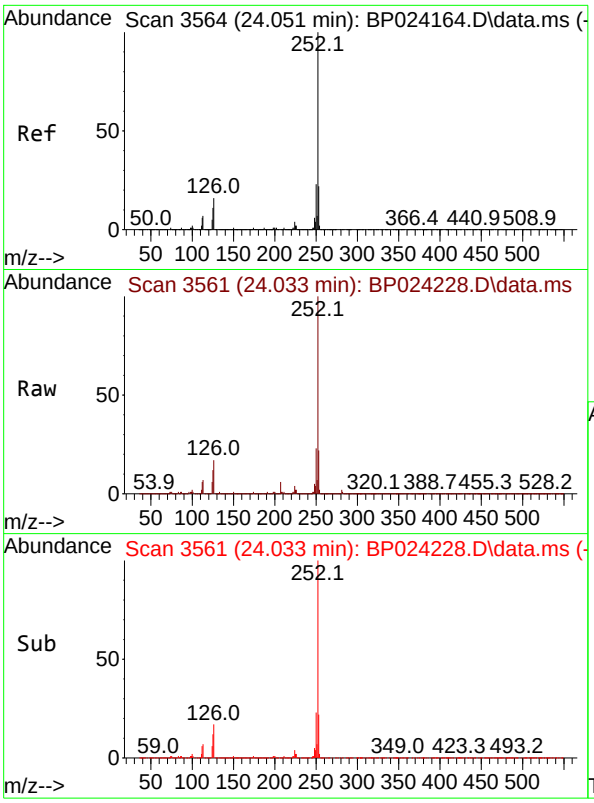




#88
Benzo(b)fluoranthene
Concen: 41.876 ng
RT: 23.969 min Scan# 3550
Delta R.T. -0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:252 Resp: 4176870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.2 | 25.8 |
| 125 | 11.3 | 8.2 | 12.4 |



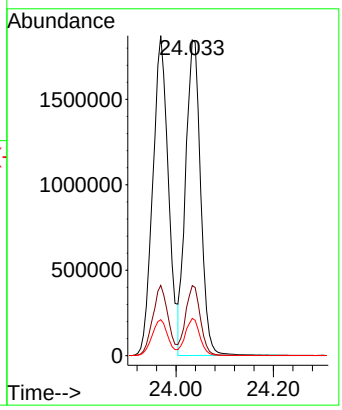


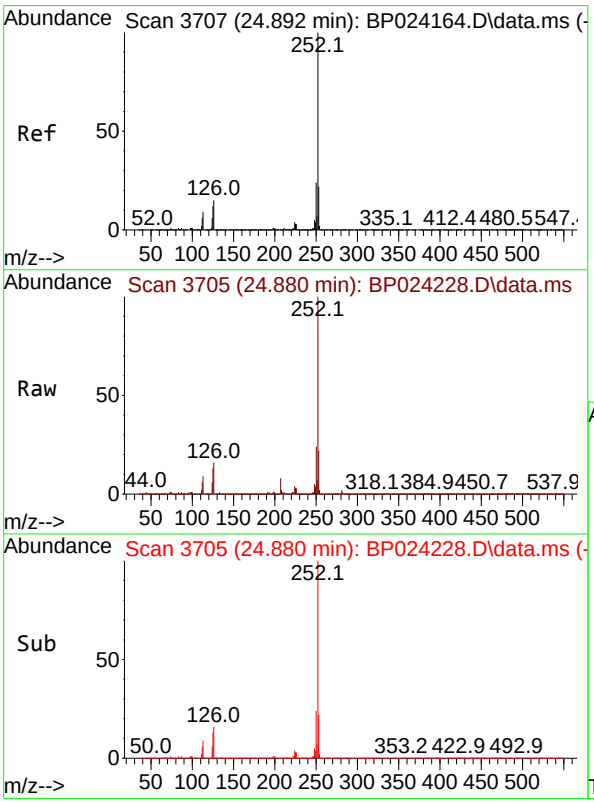

#89
Benzo(k)fluoranthene
Concen: 40.442 ng
RT: 24.033 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:252 Resp: 3945832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.7 | 26.5 |
| 125 | 11.8 | 9.1 | 13.7 |

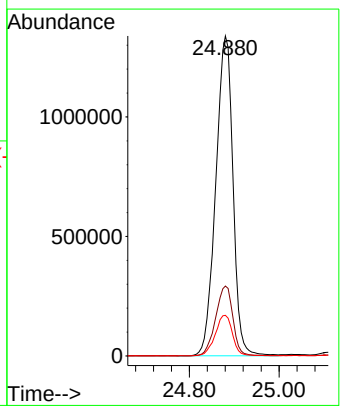


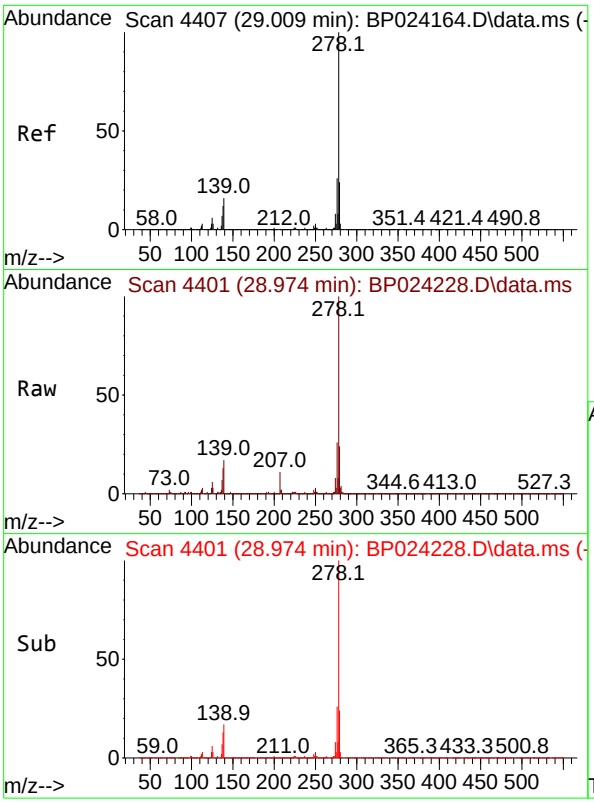




#90
Benzo(a)pyrene
Concen: 41.248 ng
RT: 24.880 min Scan# 3705
Delta R.T. -0.012 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:252 Resp: 3577625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.4 | 26.0 |
| 125 | 12.7 | 9.6 | 14.4 |



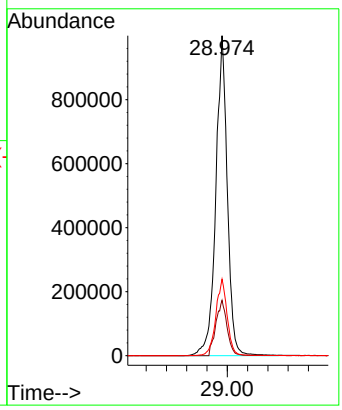


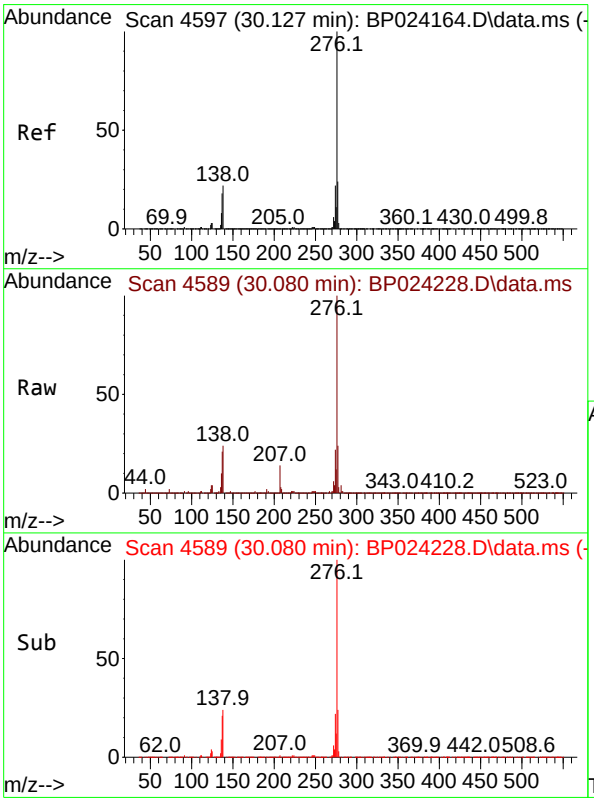

#91
Dibenzo(a,h)anthracene
Concen: 41.000 ng
RT: 28.974 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:278 Resp: 3938270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.3 | 13.0 | 19.4 |
| 279 | 23.9 | 18.8 | 28.2 |

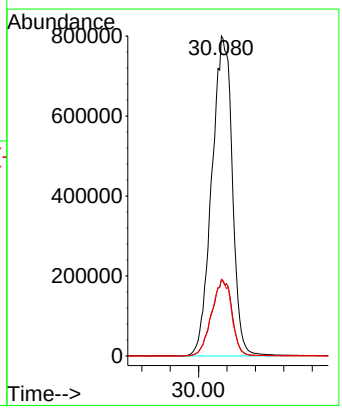



#92
Benzo(g,h,i)perylene
Concen: 41.010 ng
RT: 30.080 min Scan# 4589
Delta R.T. -0.047 min
Lab File: BP024228.D
Acq: 09 Apr 2025 10:08

Tgt Ion:276 Resp: 4004395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 19.2 | 28.8 |
| 138 | 24.0 | 17.4 | 26.2 |



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024243.D
Acq On : 09 Apr 2025 20:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Quant Time: Apr 10 01:01:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.740 | 152 | 287084 | 20.000 | ng | -0.03 |
| 21) Naphthalene-d8 | 10.522 | 136 | 1167629 | 20.000 | ng | -0.03 |
| 39) Acenaphthene-d10 | 14.381 | 164 | 745990 | 20.000 | ng | -0.02 |
| 64) Phenanthrene-d10 | 17.181 | 188 | 1461391 | 20.000 | ng | -0.02 |
| 76) Chrysene-d12 | 21.627 | 240 | 1456577 | 20.000 | ng | -0.03 |
| 86) Perylene-d12 | 24.980 | 264 | 1774706 | 20.000 | ng | -0.08 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.358 | 112 | 1509234 | 83.918 | ng | -0.02 |
| 7) Phenol-d6 | 6.928 | 99 | 2009634 | 83.561 | ng | -0.02 |
| 23) Nitrobenzene-d5 | 8.893 | 82 | 1722757 | 83.245 | ng | -0.03 |
| 42) 2,4,6-Tribromophenol | 15.898 | 330 | 865387 | 92.095 | ng | -0.02 |
| 45) 2-Fluorobiphenyl | 12.993 | 172 | 3956663 | 78.208 | ng | -0.02 |
| 79) Terphenyl-d14 | 19.898 | 244 | 6018426 | 85.292 | ng | -0.02 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.305 | 88 | 290918 | 40.808 | ng | 98 |
| 3) Pyridine | 3.699 | 79 | 790972 | 40.586 | ng | 97 |
| 4) n-Nitrosodimethylamine | 3.605 | 42 | 261554 | 40.177 | ng | 100 |
| 6) Aniline | 7.081 | 93 | 911265 | 41.588 | ng | 98 |
| 8) 2-Chlorophenol | 7.316 | 128 | 807020 | 41.543 | ng | 99 |
| 9) Benzaldehyde | 6.893 | 77 | 520280 | 44.828 | ng | 98 |
| 10) Phenol | 6.952 | 94 | 1005438 | 41.412 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 7.175 | 93 | 764420 | 39.926 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 7.634 | 146 | 855384 | 40.832 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 7.775 | 146 | 861602 | 40.282 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 8.093 | 146 | 828820 | 40.380 | ng | 99 |
| 15) Benzyl Alcohol | 7.981 | 79 | 665865 | 43.732 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.269 | 45 | 790420 | 40.450 | ng | 97 |
| 17) 2-Methylphenol | 8.187 | 107 | 647425 | 42.525 | ng | 99 |
| 18) Hexachloroethane | 8.816 | 117 | 309718 | 40.814 | ng | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.546 | 70 | 586911 | 42.065 | ng | 99 |
| 20) 3+4-Methylphenols | 8.510 | 107 | 902801 | 43.162 | ng | 99 |
| 22) Acetophenone | 8.557 | 105 | 1214940 | 41.156 | ng | 99 |
| 24) Nitrobenzene | 8.934 | 77 | 850529 | 41.661 | ng | 100 |
| 25) Isophorone | 9.457 | 82 | 1548448 | 43.649 | ng | 99 |
| 26) 2-Nitrophenol | 9.640 | 139 | 438933 | 45.010 | ng | 99 |
| 27) 2,4-Dimethylphenol | 9.704 | 122 | 540227 | 43.082 | ng | 98 |
| 28) bis(2-Chloroethoxy)met... | 9.934 | 93 | 1016244 | 40.721 | ng | 100 |
| 29) 2,4-Dichlorophenol | 10.175 | 162 | 738339 | 43.526 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 10.387 | 180 | 759836 | 40.543 | ng | 99 |
| 31) Naphthalene | 10.575 | 128 | 2547078 | 41.152 | ng | 100 |
| 32) Benzoic acid | 9.846 | 122 | 652732 | 53.374 | ng | 97 |
| 33) 4-Chloroaniline | 10.681 | 127 | 965625 | 43.595 | ng | 99 |
| 34) Hexachlorobutadiene | 10.857 | 225 | 438635 | 40.667 | ng | 99 |
| 35) Caprolactam | 11.469 | 113 | 275552 | 49.564 | ng | 98 |
| 36) 4-Chloro-3-methylphenol | 11.810 | 107 | 842270 | 46.027 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.187 | 142 | 1757855 | 42.040 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.404 | 142 | 1710995 | 42.070 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.557 | 216 | 845975 | 39.230 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 12.540 | 237 | 261977 | 33.703 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 12.798 | 196 | 584393 | 42.642 | ng | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024243.D
Acq On : 09 Apr 2025 20:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Quant Time: Apr 10 01:01:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

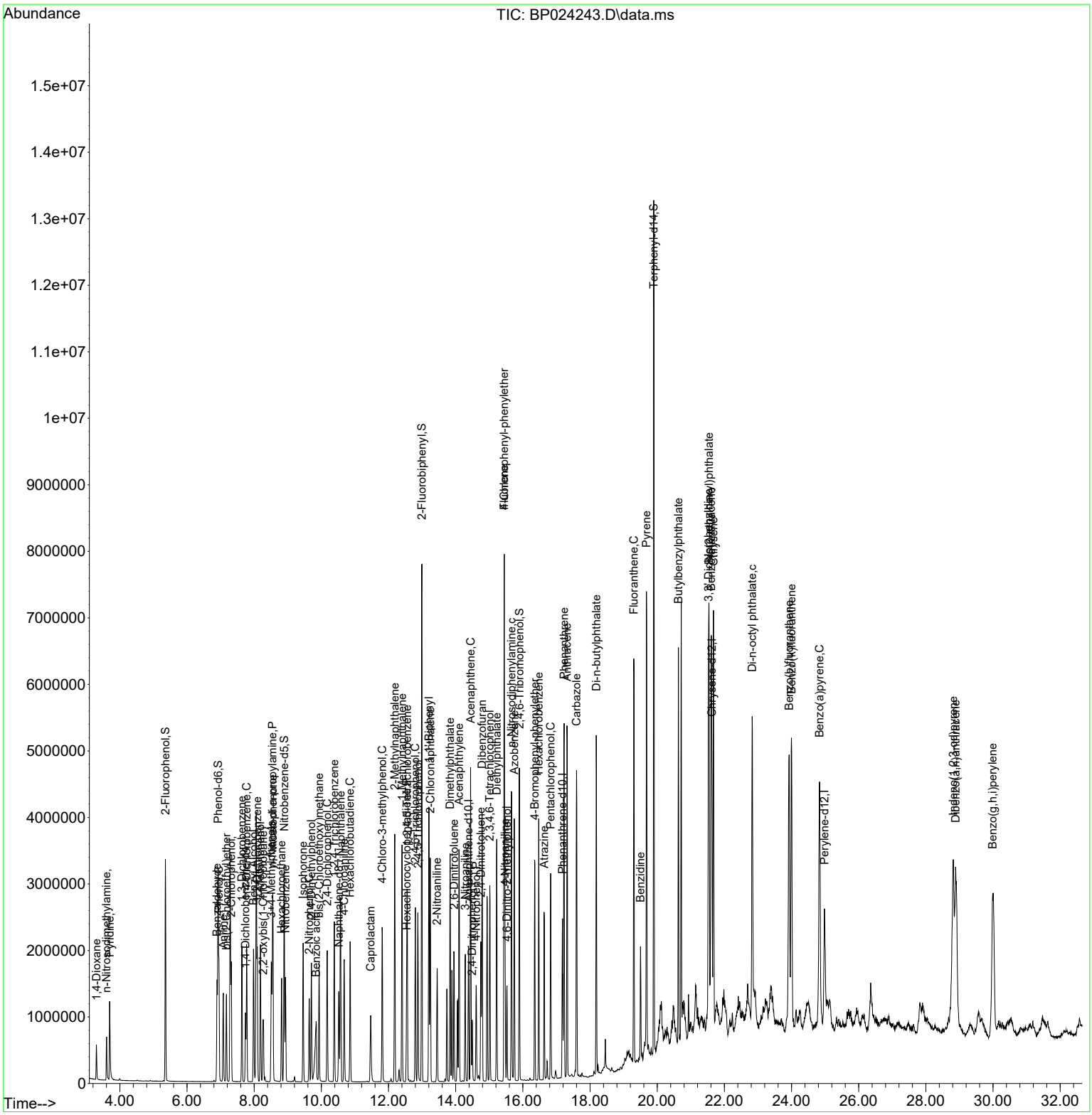
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.875 | 196 | 644222 | 42.864 | ng | 98 |
| 46) 1,1'-Biphenyl | 13.204 | 154 | 2227781 | 39.741 | ng | 100 |
| 47) 2-Chloronaphthalene | 13.245 | 162 | 1696678 | 40.239 | ng | 99 |
| 48) 2-Nitroaniline | 13.445 | 65 | 497715 | 46.151 | ng | 95 |
| 49) Acenaphthylene | 14.098 | 152 | 2680313 | 42.011 | ng | 100 |
| 50) Dimethylphthalate | 13.834 | 163 | 2185393 | 41.867 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.951 | 165 | 474506 | 43.205 | ng | 99 |
| 52) Acenaphthene | 14.445 | 154 | 1672351 | 41.025 | ng | 99 |
| 53) 3-Nitroaniline | 14.287 | 138 | 528847 | 44.583 | ng | 99 |
| 54) 2,4-Dinitrophenol | 14.492 | 184 | 227159 | 39.089 | ng | 97 |
| 55) Dibenzofuran | 14.787 | 168 | 2685626 | 40.673 | ng | 98 |
| 56) 4-Nitrophenol | 14.610 | 139 | 479403 | 48.367 | ng | 100 |
| 57) 2,4-Dinitrotoluene | 14.751 | 165 | 662877 | 45.693 | ng | 97 |
| 58) Fluorene | 15.445 | 166 | 2124806 | 41.301 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.016 | 232 | 584379 | 44.009 | ng | 100 |
| 60) Diethylphthalate | 15.222 | 149 | 2209545 | 42.507 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.445 | 204 | 1021081 | 40.466 | ng | 99 |
| 62) 4-Nitroaniline | 15.469 | 138 | 573319 | 46.082 | ng | 99 |
| 63) Azobenzene | 15.745 | 77 | 2092657 | 42.713 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.528 | 198 | 327048 | 37.697 | ng | 99 |
| 66) n-Nitrosodiphenylamine | 15.663 | 169 | 1814075 | 40.878 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.357 | 248 | 657498 | 40.979 | ng | 97 |
| 68) Hexachlorobenzene | 16.475 | 284 | 776475 | 40.888 | ng | 99 |
| 69) Atrazine | 16.634 | 200 | 472555 | 44.117 | ng | 99 |
| 70) Pentachlorophenol | 16.828 | 266 | 581658 | 47.363 | ng | 99 |
| 71) Phenanthrene | 17.228 | 178 | 3232332 | 40.488 | ng | 100 |
| 72) Anthracene | 17.316 | 178 | 3223966 | 41.462 | ng | 99 |
| 73) Carbazole | 17.598 | 167 | 3196479 | 42.628 | ng | 100 |
| 74) Di-n-butylphthalate | 18.186 | 149 | 3903701 | 43.854 | ng | 100 |
| 75) Fluoranthene | 19.304 | 202 | 3869566 | 41.850 | ng | 99 |
| 77) Benzidine | 19.504 | 184 | 1020809 | 64.100 | ng | 99 |
| 78) Pyrene | 19.680 | 202 | 3942980 | 43.543 | ng | 100 |
| 80) Butylbenzylphthalate | 20.633 | 149 | 1755848 | 47.019 | ng | 97 |
| 81) Benzo(a)anthracene | 21.610 | 228 | 3823065 | 42.216 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.527 | 252 | 1504645 | 49.574 | ng | 99 |
| 83) Chrysene | 21.674 | 228 | 3589965 | 41.237 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.545 | 149 | 2585259 | 45.881 | ng | 99 |
| 85) Di-n-octyl phthalate | 22.827 | 149 | 4463969 | 49.446 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.815 | 276 | 5158569 | 41.648 | ng | 94 |
| 88) Benzo(b)fluoranthene | 23.927 | 252 | 4222660 | 39.463 | ng | 98 |
| 89) Benzo(k)fluoranthene | 23.998 | 252 | 4060841 | 38.797 | ng | 99 |
| 90) Benzo(a)pyrene | 24.833 | 252 | 3822119 | 41.077 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 28.886 | 278 | 4255246 | 41.295 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 29.992 | 276 | 2279960 | 21.766 | ng | 99 |

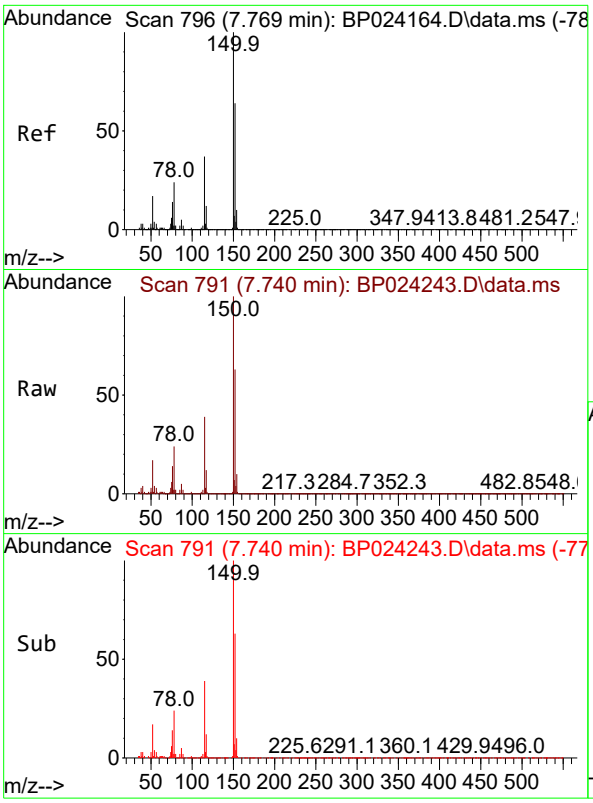
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040925\
Data File : BP024243.D
Acq On : 09 Apr 2025 20:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Quant Time: Apr 10 01:01:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration



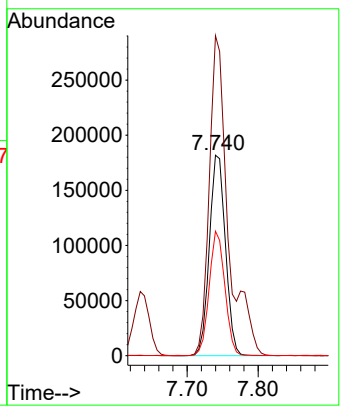


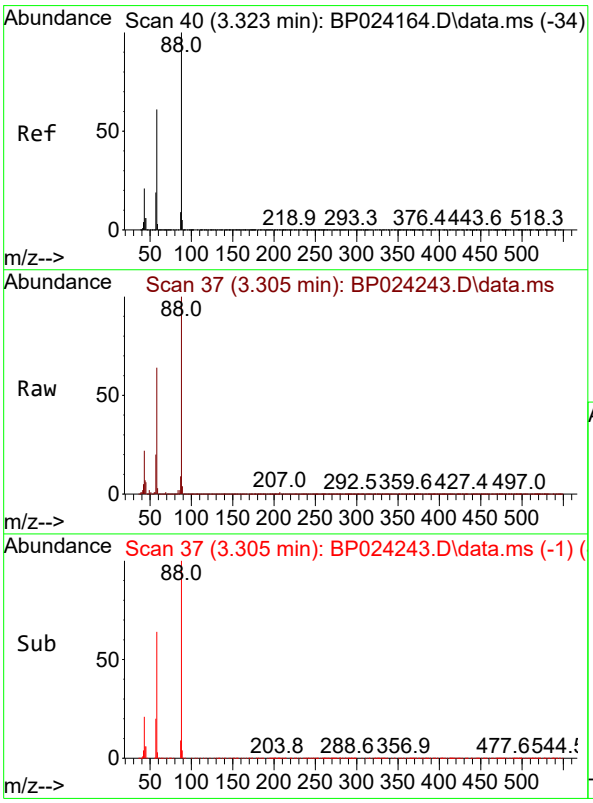

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:152 Resp: 287084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.7 | 125.5 | 188.3 |
| 115 | 62.1 | 46.3 | 69.5 |

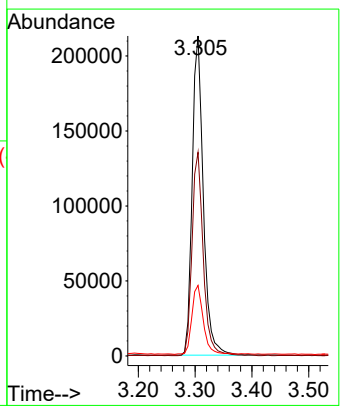


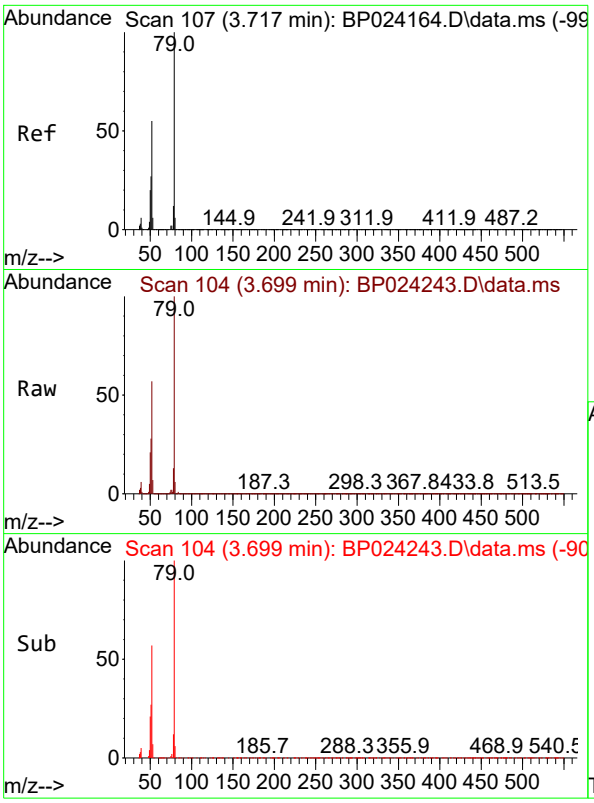




#2
1,4-Dioxane
Concen: 40.808 ng
RT: 3.305 min Scan# 37
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion: 88 Resp: 290918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 64.3 | 49.8 | 74.6 |
| 43 | 22.1 | 17.3 | 25.9 |



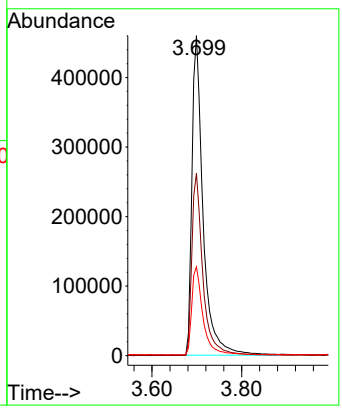


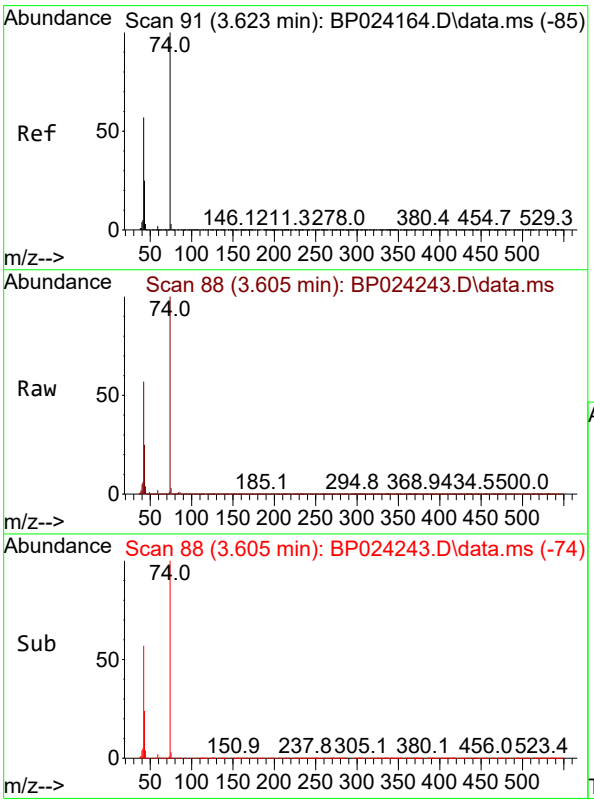

#3
Pyridine
Concen: 40.586 ng
RT: 3.699 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 79 Resp: 790972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 57.0 | 43.8 | 65.8 |
| 51 | 27.8 | 21.6 | 32.4 |

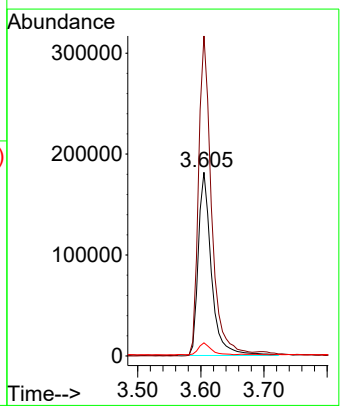


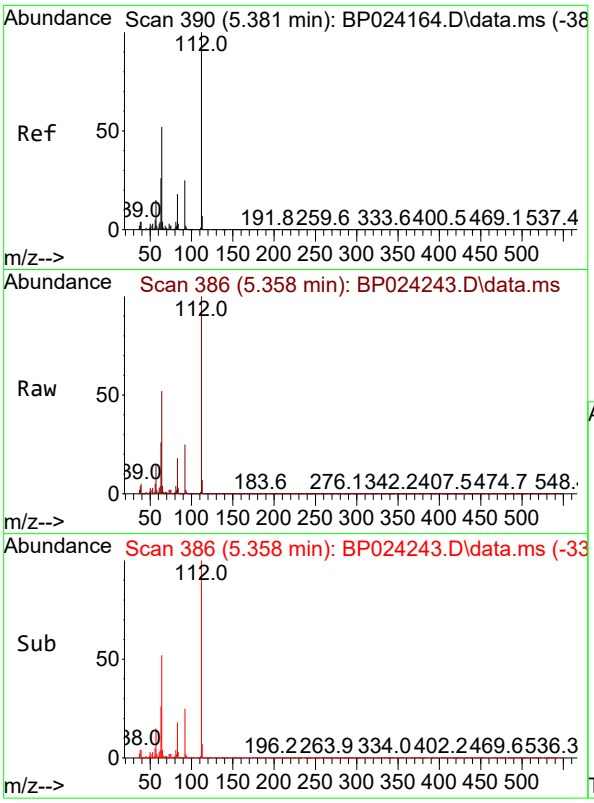




#4
n-Nitrosodimethylamine
Concen: 40.177 ng
RT: 3.605 min Scan# 88
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion: 42 Resp: 261554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 174.3 | 139.8 | 209.6 |
| 44 | 7.1 | 5.3 | 7.9 |



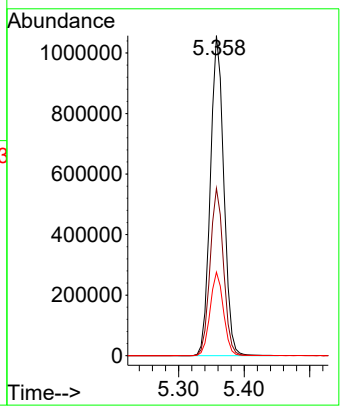


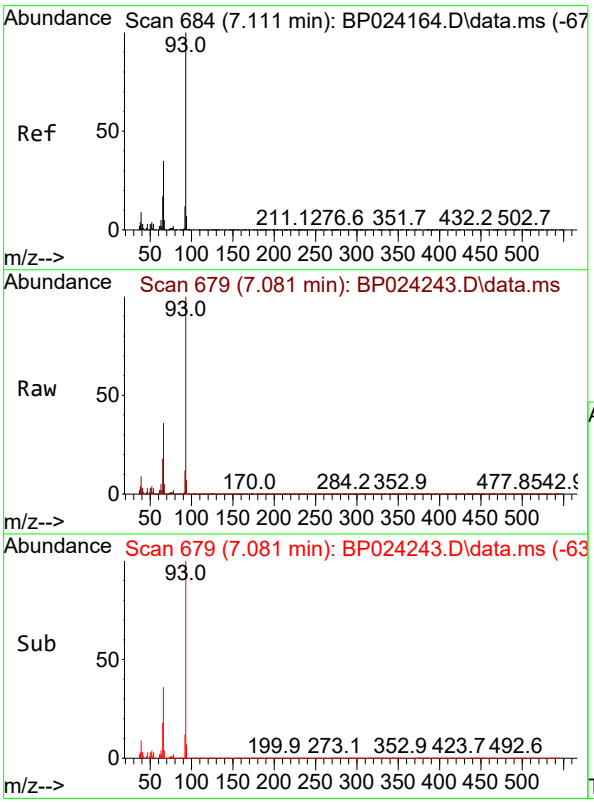

#5
2-Fluorophenol
Concen: 83.918 ng
RT: 5.358 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:112 Resp: 1509234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.3 | 41.3 | 61.9 |
| 63 | 26.1 | 20.6 | 31.0 |

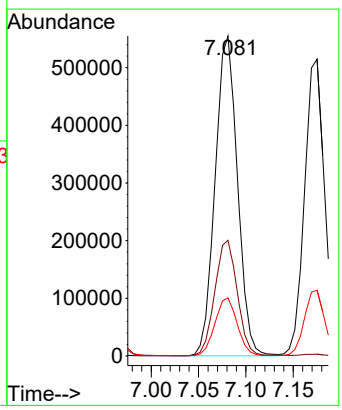


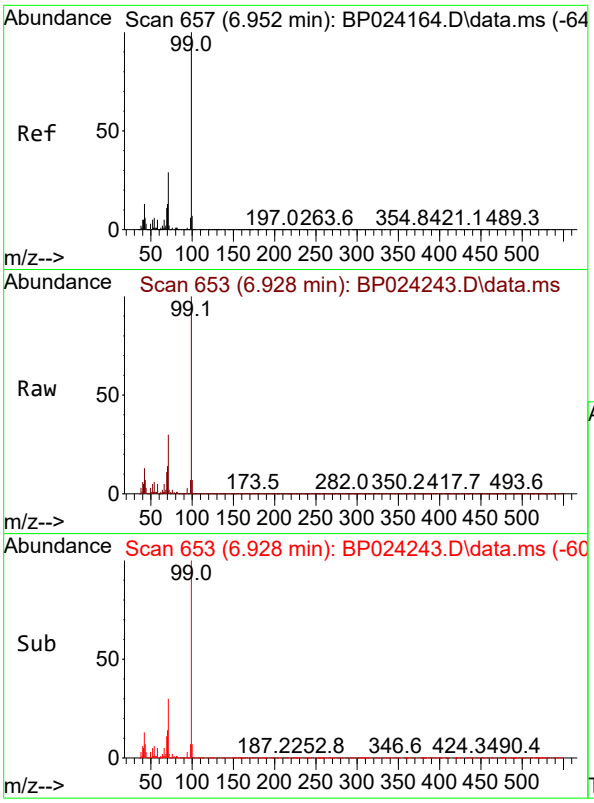




#6
Aniline
Concen: 41.588 ng
RT: 7.081 min Scan# 679
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion: 93 Resp: 911265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 36.2 | 28.2 | 42.2 |
| 65 | 18.2 | 14.0 | 21.0 |



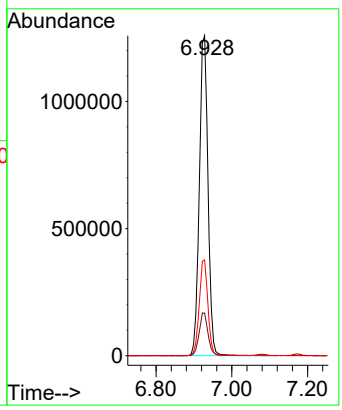


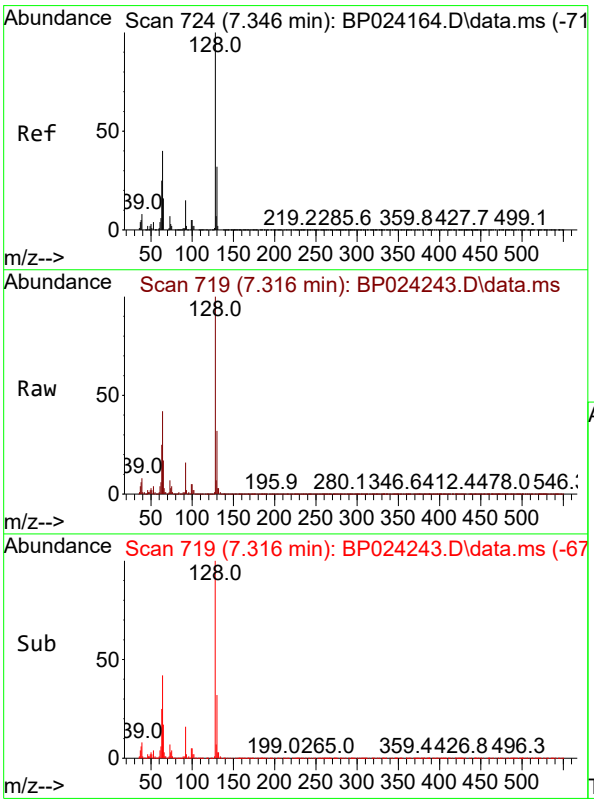

#7
Phenol-d6
Concen: 83.561 ng
RT: 6.928 min Scan# 6
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 99 Resp: 2009634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.3 | 10.6 | 16.0 |
| 71 | 30.0 | 23.3 | 34.9 |

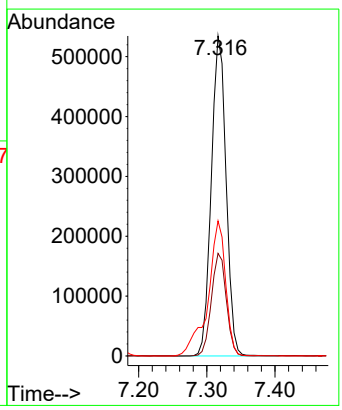


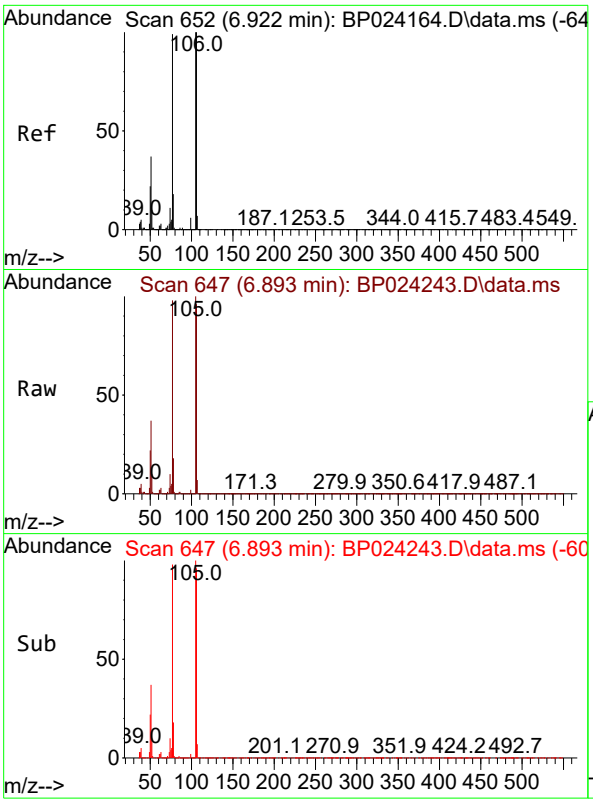




#8
2-Chlorophenol
Concen: 41.543 ng
RT: 7.316 min Scan# 719
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:128 Resp: 807020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.0 | 12.0 | 52.0 |
| 64 | 42.2 | 21.6 | 61.6 |



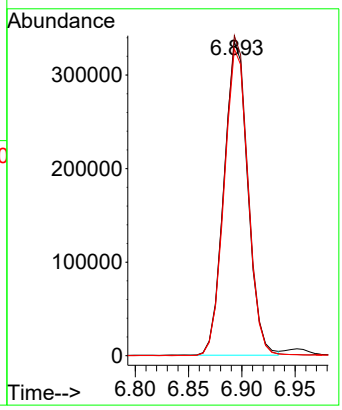


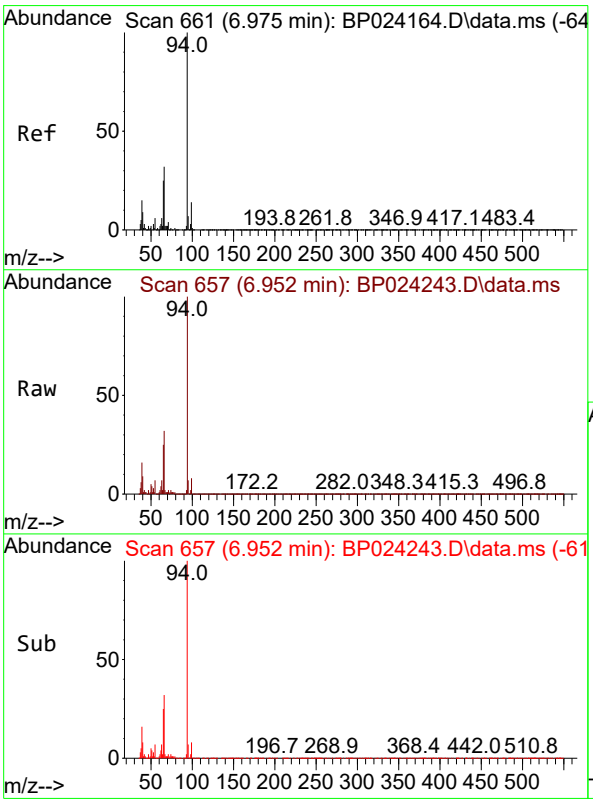

#9
Benzaldehyde
Concen: 44.828 ng
RT: 6.893 min Scan# 64
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 77 Resp: 520280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 101.9 | 81.4 | 121.4 |
| 106 | 97.7 | 81.1 | 121.1 |

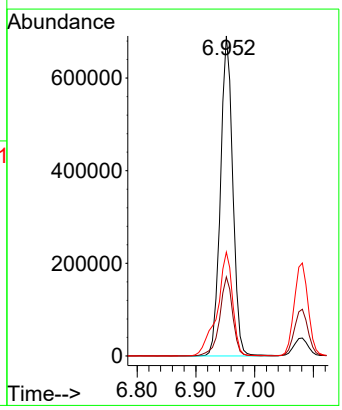


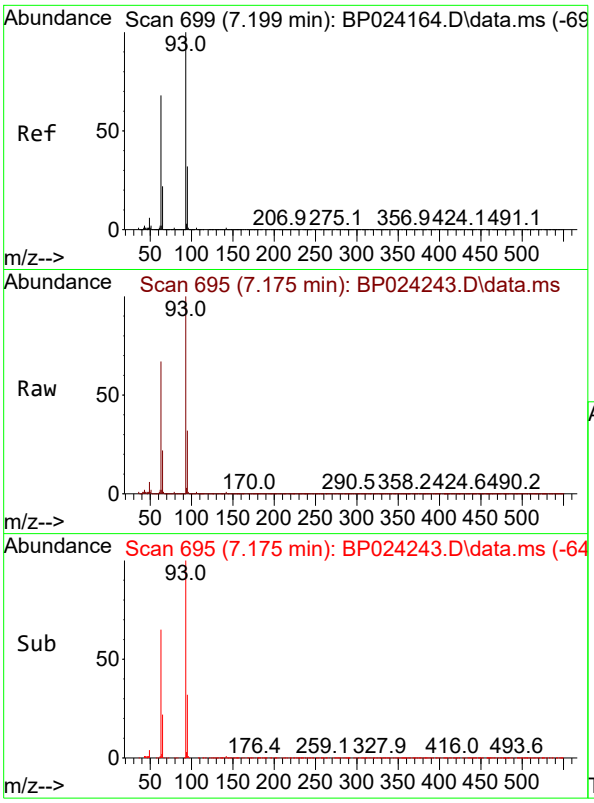




#10
Phenol
Concen: 41.412 ng
RT: 6.952 min Scan# 657
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion: 94 Resp: 1005438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 24.7 | 4.9 | 44.9 |
| 66 | 32.4 | 11.9 | 51.9 |



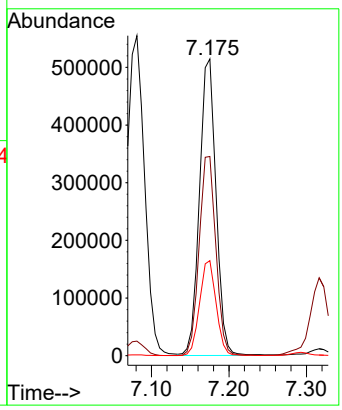


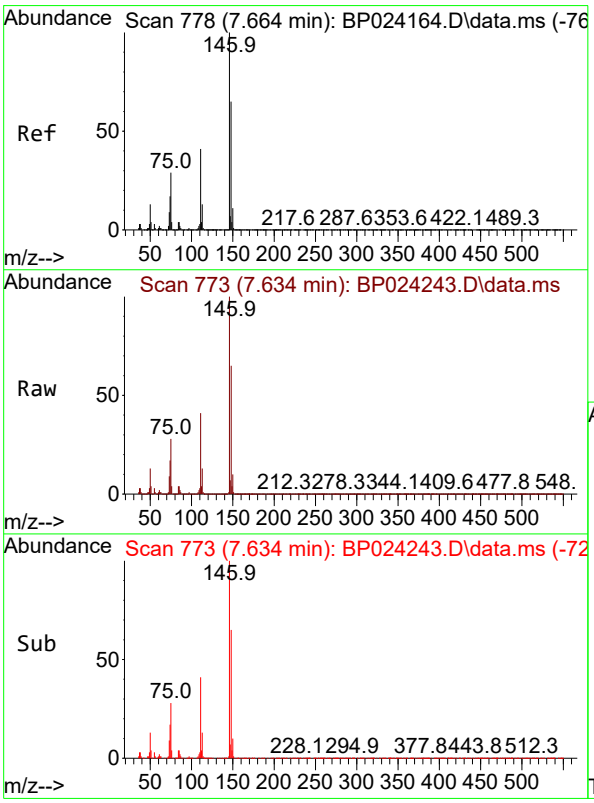

#11
bis(2-Chloroethyl)ether
Concen: 39.926 ng
RT: 7.175 min Scan# 6
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 93 Resp: 764420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 67.1 | 47.4 | 87.4 |
| 95 | 32.0 | 12.1 | 52.1 |

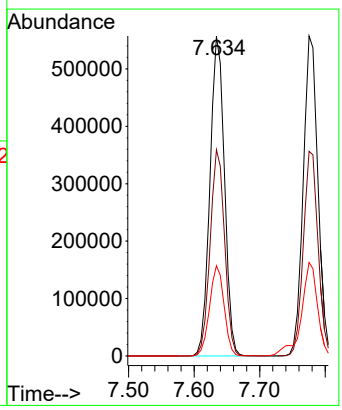


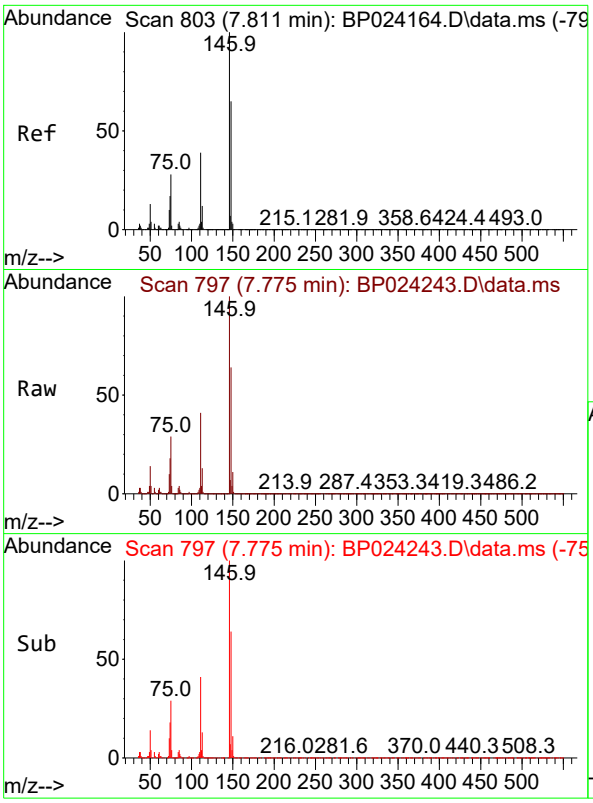




#12
1,3-Dichlorobenzene
Concen: 40.832 ng
RT: 7.634 min Scan# 773
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:146 Resp: 855384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.6 | 51.6 | 77.4 |
| 75 | 28.2 | 22.8 | 34.2 |



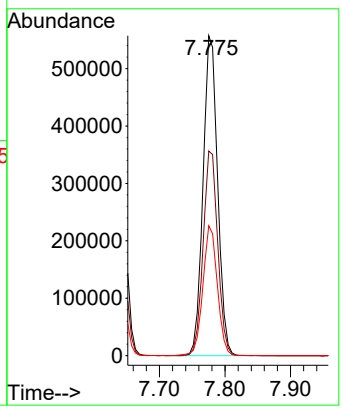


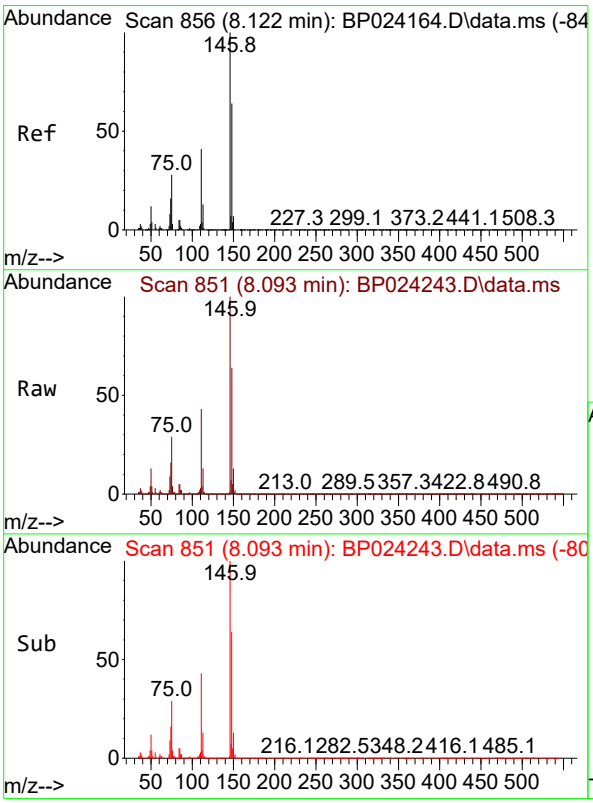

#13
1,4-Dichlorobenzene
Concen: 40.282 ng
RT: 7.775 min Scan# 7
Delta R.T. -0.035 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:146 Resp: 861602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 51.9 | 77.9 |
| 111 | 40.6 | 31.4 | 47.2 |

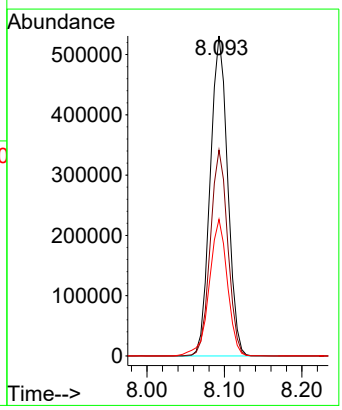


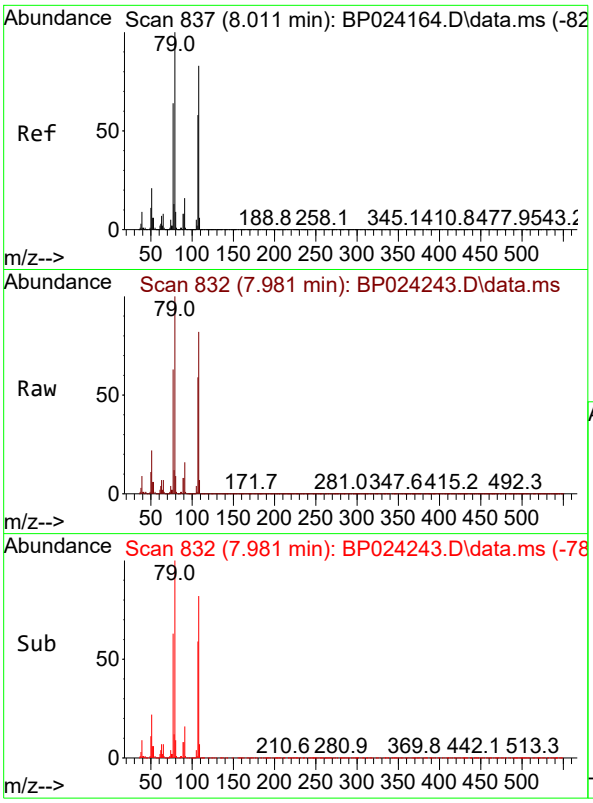




#14
1,2-Dichlorobenzene
Concen: 40.380 ng
RT: 8.093 min Scan# 851
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:146 Resp: 828820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 51.4 | 77.2 |
| 111 | 42.7 | 33.2 | 49.8 |



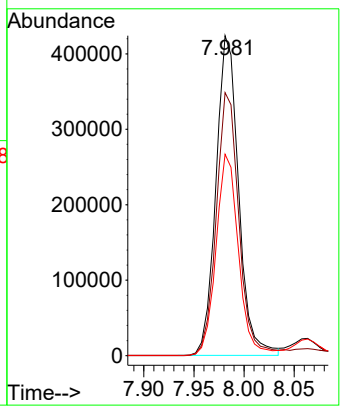


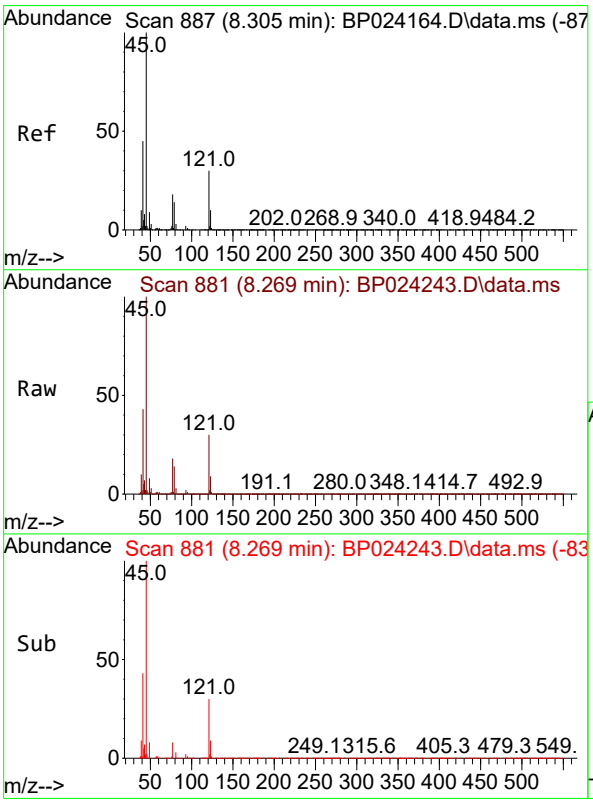

#15
Benzyl Alcohol
Concen: 43.732 ng
RT: 7.981 min Scan# 8
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 79 Resp: 665865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 82.2 | 66.5 | 99.7 |
| 77 | 62.9 | 50.9 | 76.3 |

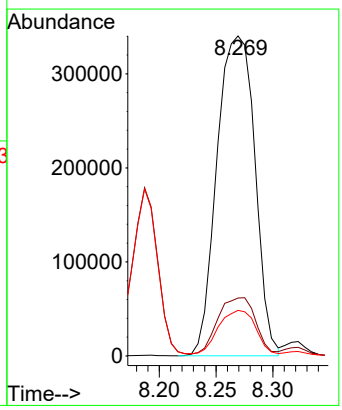


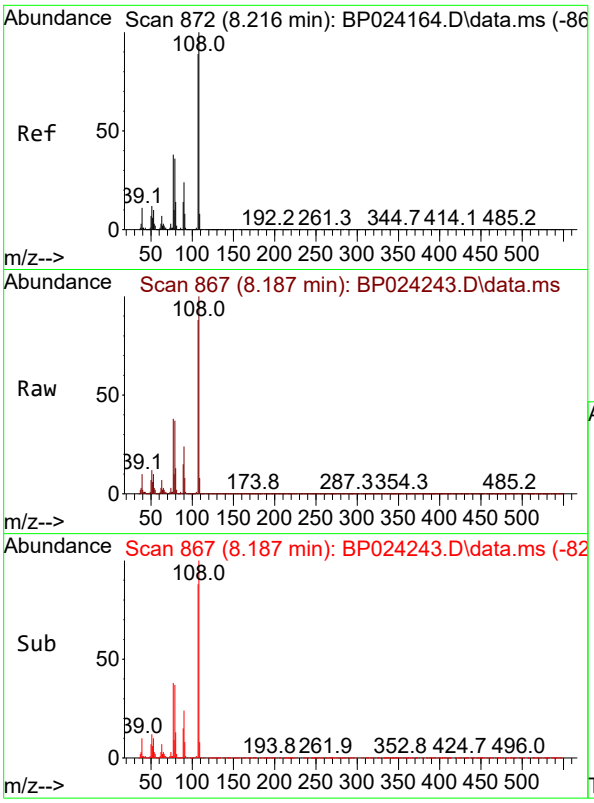




#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.450 ng
RT: 8.269 min Scan# 881
Delta R.T. -0.035 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion: 45 Resp: 790420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 18.1 | 0.0 | 39.0 |
| 79 | 14.3 | 0.0 | 35.6 |



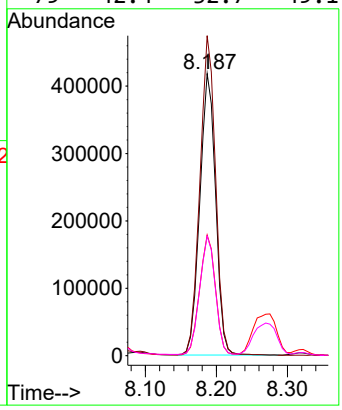


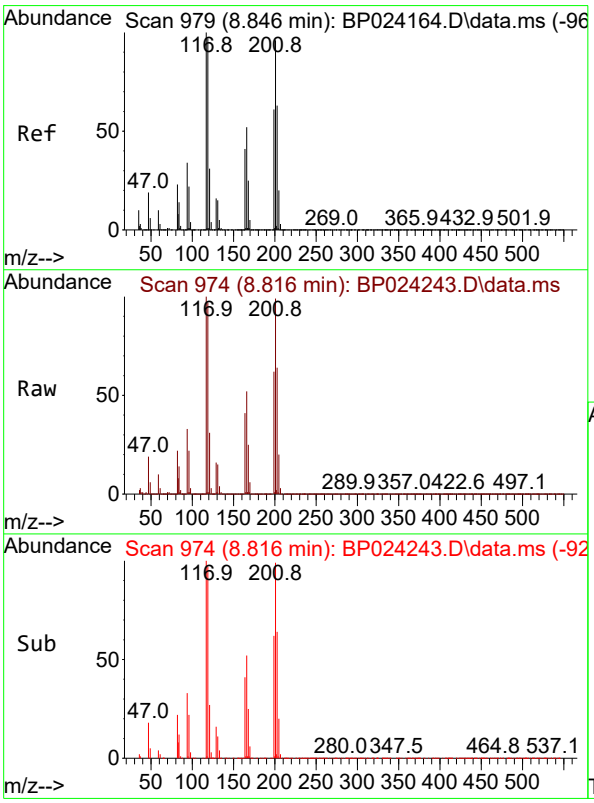

#17
2-Methylphenol
Concen: 42.525 ng
RT: 8.187 min Scan# 8
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:107 Resp: 647425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.4 | 90.0 | 135.0 |
| 77 | 42.8 | 34.0 | 51.0 |
| 79 | 42.4 | 32.7 | 49.1 |

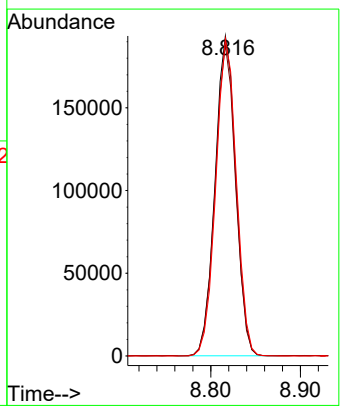


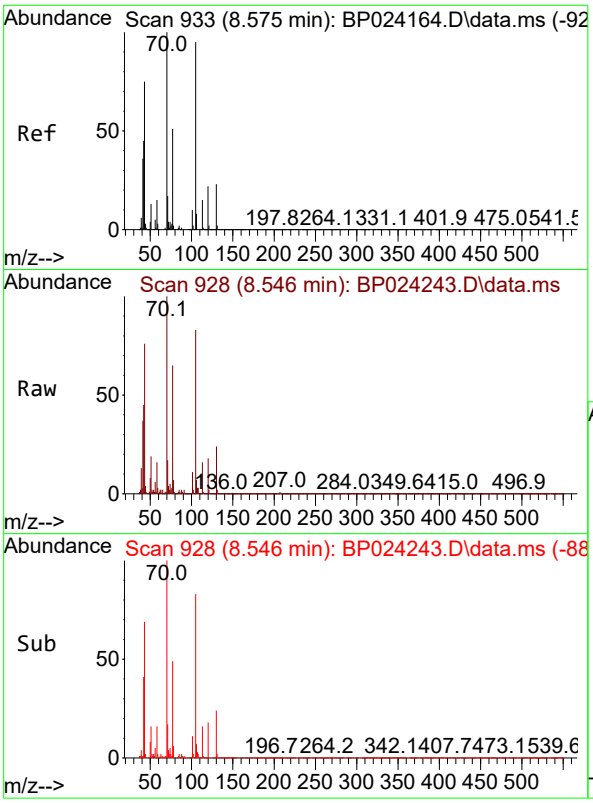




#18
Hexachloroethane
Concen: 40.814 ng
RT: 8.816 min Scan# 974
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:117 Resp: 309718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.2 | 77.4 | 116.0 |
| 201 | 99.1 | 76.6 | 114.8 |



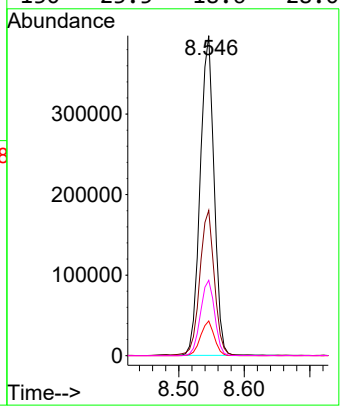


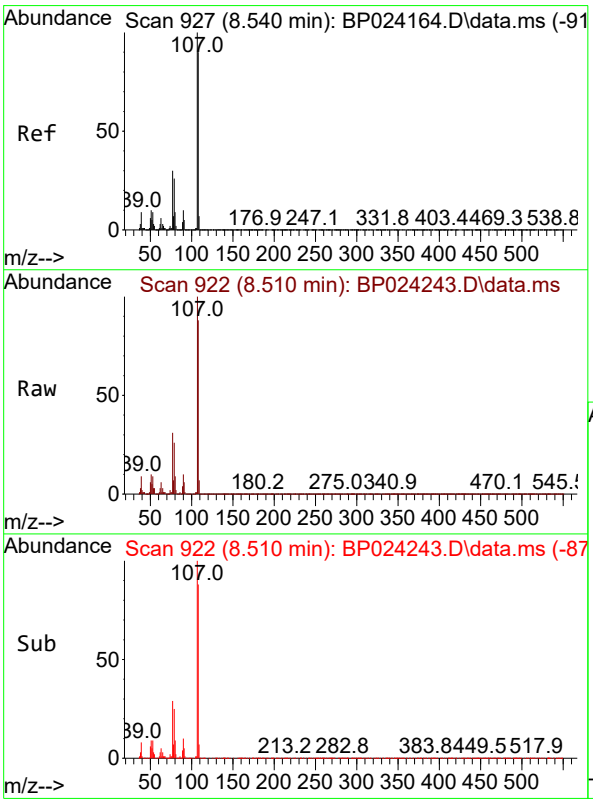

#19
n-Nitroso-di-n-propylamine
Concen: 42.065 ng
RT: 8.546 min Scan# 9
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 70 Resp: 586911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 45.4 | 36.0 | 54.0 |
| 101 | 10.8 | 8.3 | 12.5 |
| 130 | 23.5 | 18.6 | 28.0 |

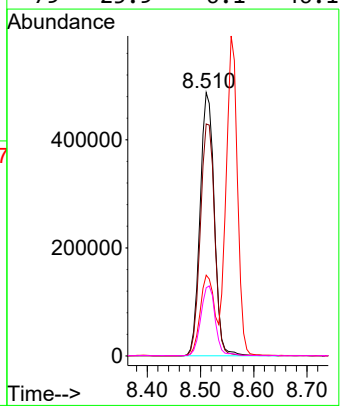


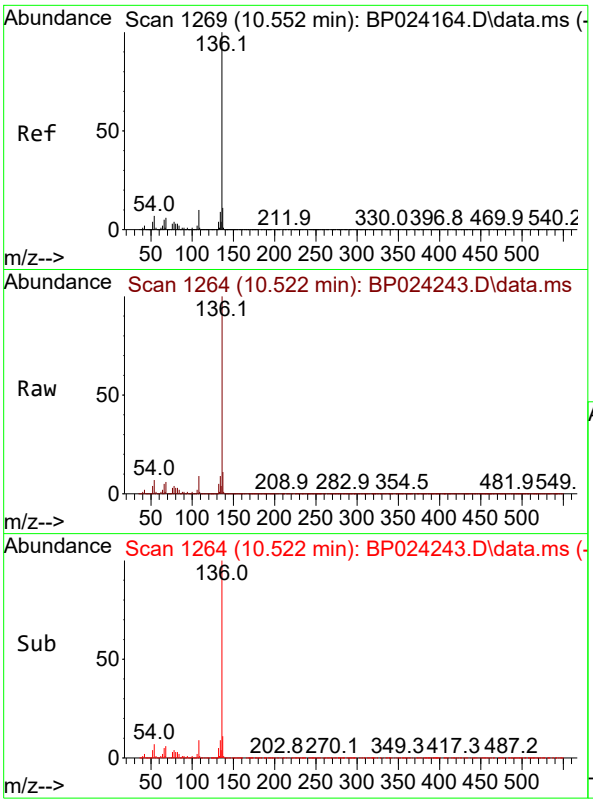




#20
3+4-Methylphenols
Concen: 43.162 ng
RT: 8.510 min Scan# 922
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:107 Resp: 902801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.1 | 69.7 | 109.7 |
| 77 | 30.7 | 10.3 | 50.3 |
| 79 | 25.9 | 6.1 | 46.1 |



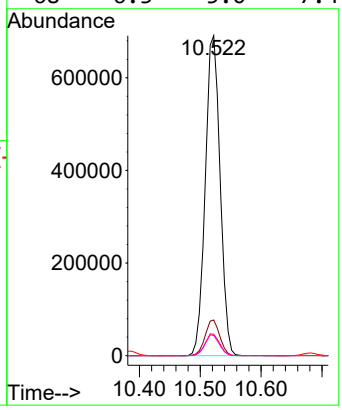


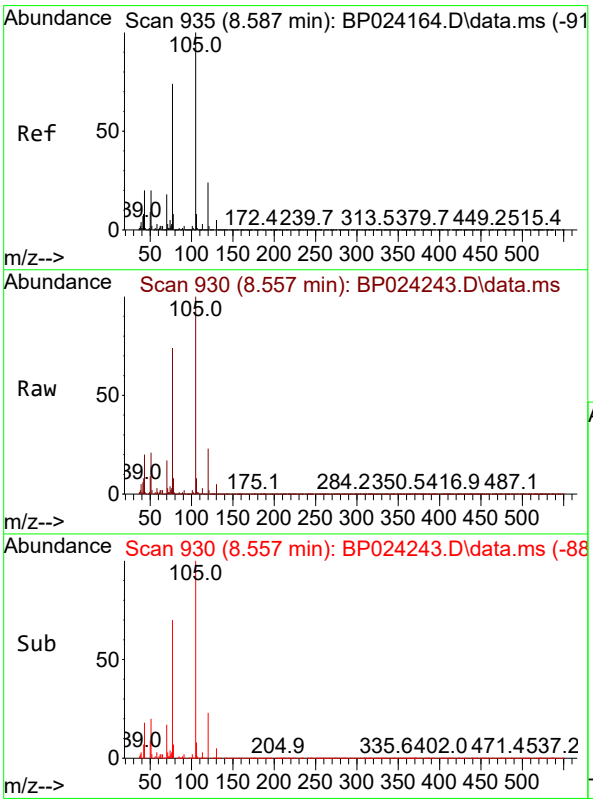

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.522 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:136 Resp: 1167629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 9.0 | 13.4 |
| 54 | 6.7 | 5.3 | 7.9 |
| 68 | 6.3 | 5.0 | 7.4 |

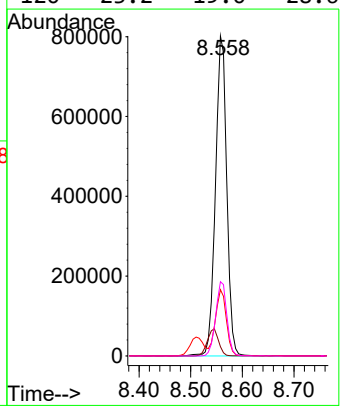


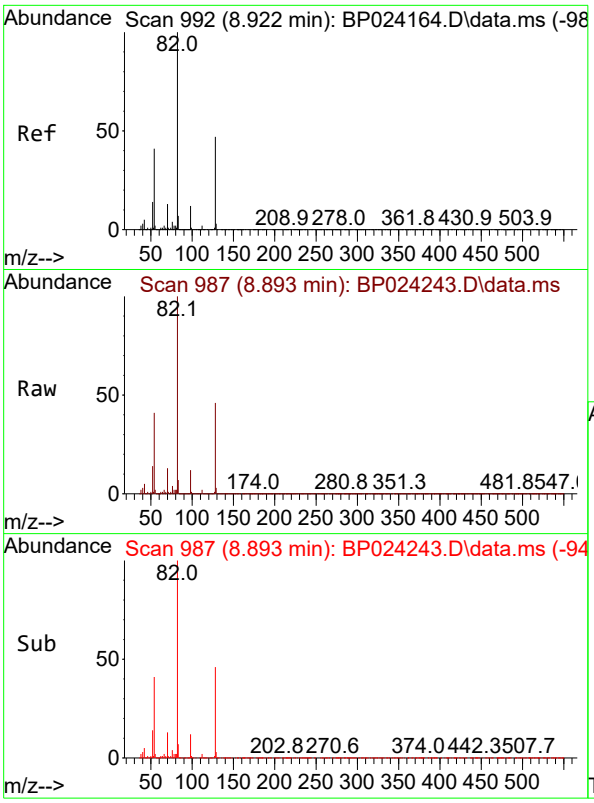




#22
Acetophenone
Concen: 41.156 ng
RT: 8.557 min Scan# 930
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:105 Resp: 1214940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 2.9 | 2.4 | 3.6 |
| 51 | 20.7 | 16.2 | 24.2 |
| 120 | 23.2 | 19.0 | 28.6 |



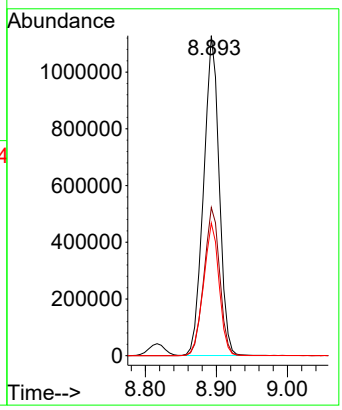


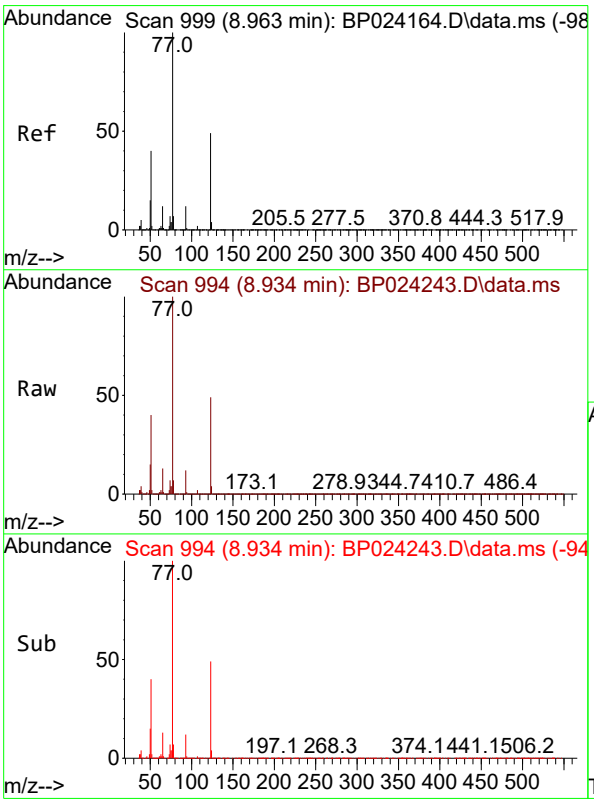

#23
Nitrobenzene-d5
Concen: 83.245 ng
RT: 8.893 min Scan# 9
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 82 Resp: 1722757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.3 | 37.4 | 56.0 |
| 54 | 41.5 | 32.5 | 48.7 |

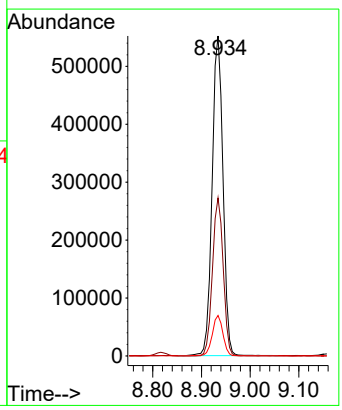


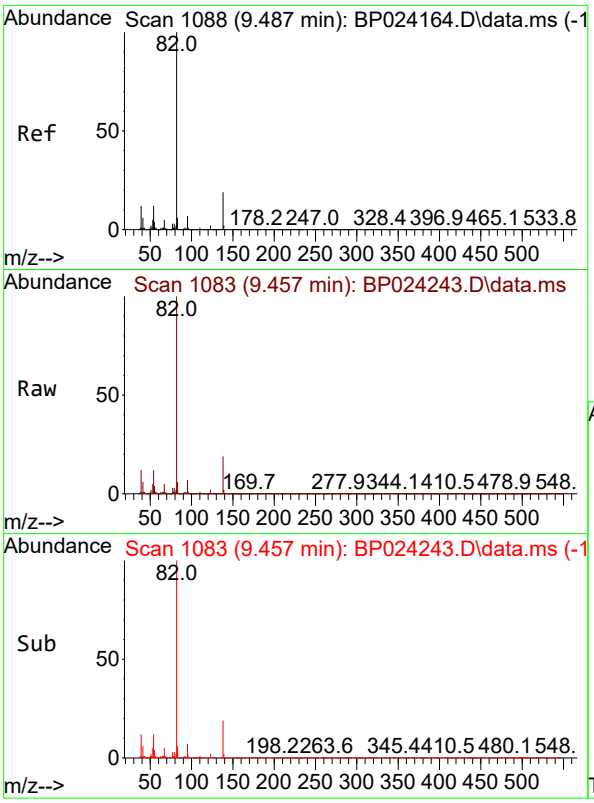




#24
Nitrobenzene
Concen: 41.661 ng
RT: 8.934 min Scan# 994
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion: 77 Resp: 850529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 49.4 | 39.4 | 59.2 |
| 65 | 12.7 | 9.9 | 14.9 |



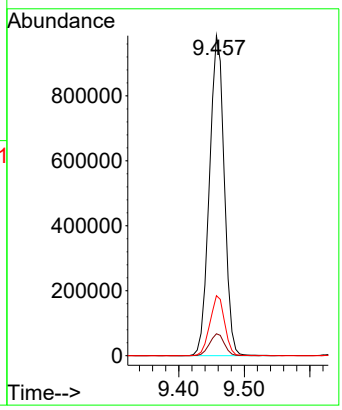


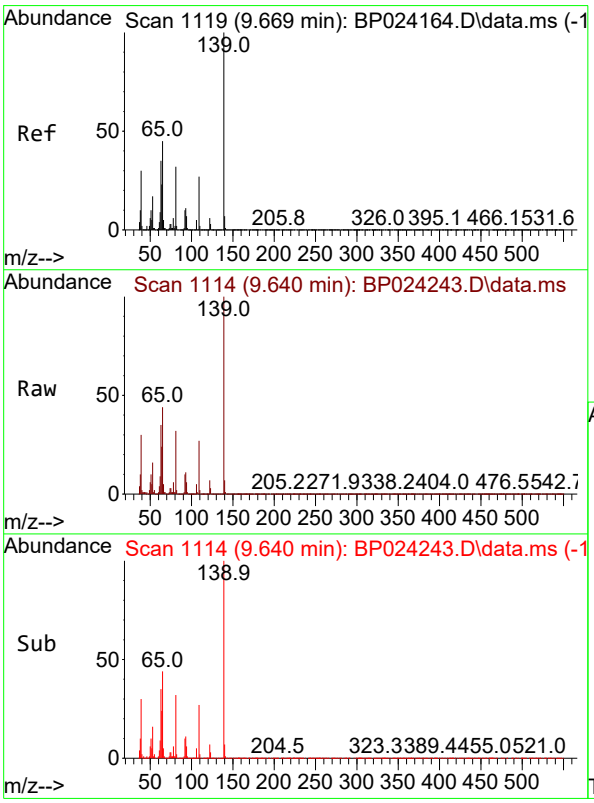

#25
Isophorone
Concen: 43.649 ng
RT: 9.457 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 82 Resp: 1548448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.8 | 5.3 | 7.9 |
| 138 | 18.8 | 14.8 | 22.2 |

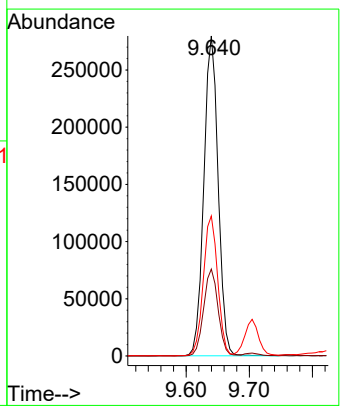


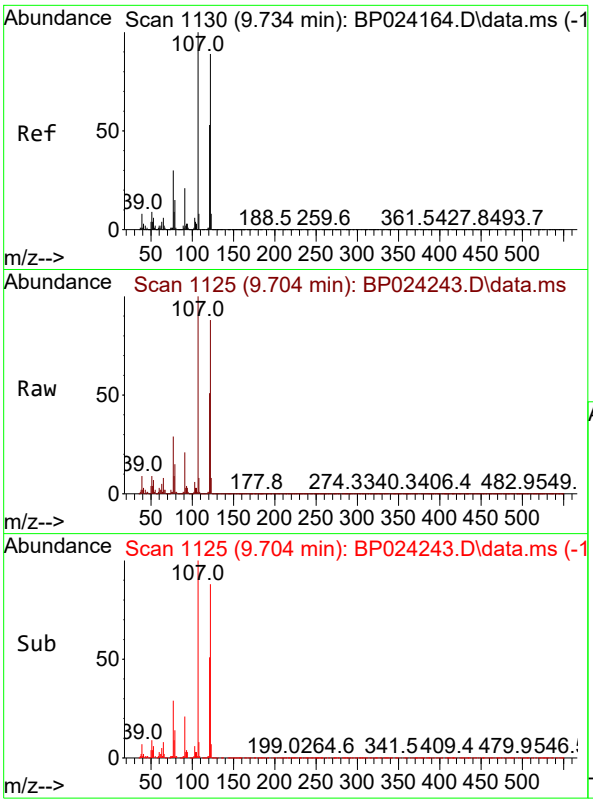




#26
2-Nitrophenol
Concen: 45.010 ng
RT: 9.640 min Scan# 1114
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:139 Resp: 438933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 27.1 | 21.7 | 32.5 |
| 65 | 43.8 | 35.8 | 53.8 |



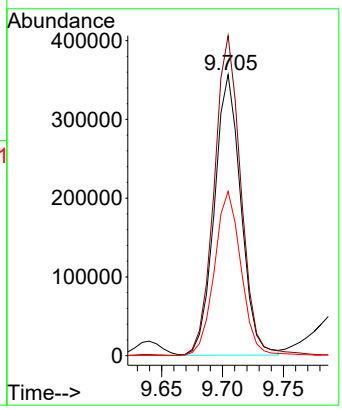


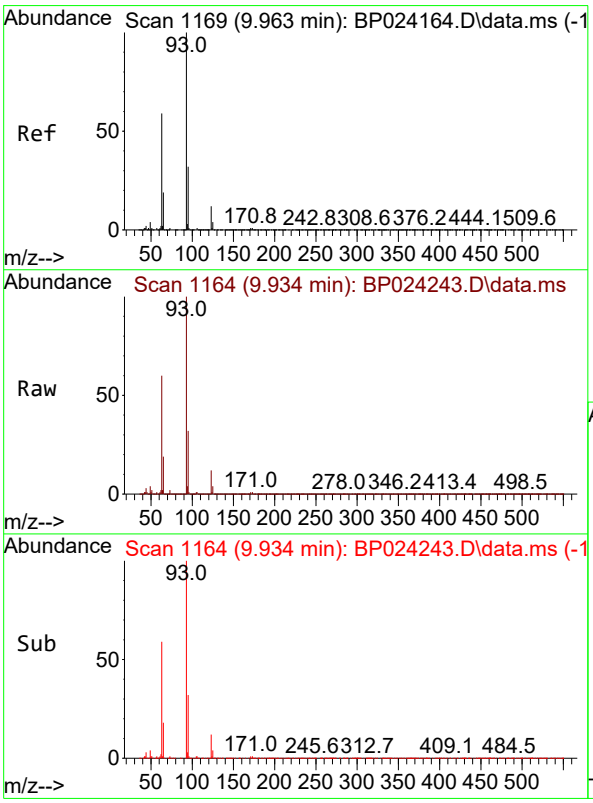

#27
2,4-Dimethylphenol
Concen: 43.082 ng
RT: 9.704 min Scan# 11
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:122 Resp: 540227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 113.8 | 89.3 | 133.9 |
| 121 | 58.4 | 47.5 | 71.3 |

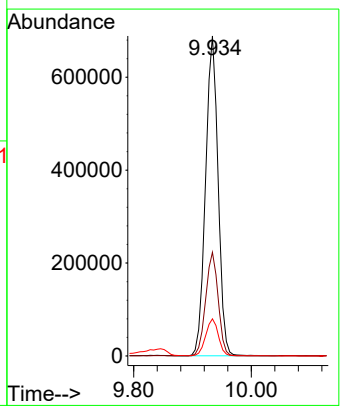


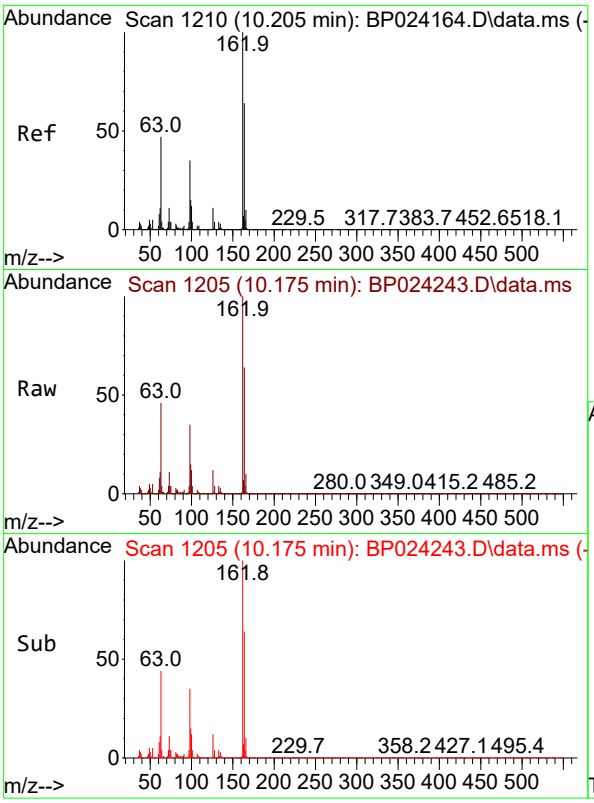




#28
bis(2-Chloroethoxy)methane
Concen: 40.721 ng
RT: 9.934 min Scan# 1164
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion: 93 Resp: 1016244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.4 | 25.9 | 38.9 |
| 123 | 11.6 | 9.5 | 14.3 |



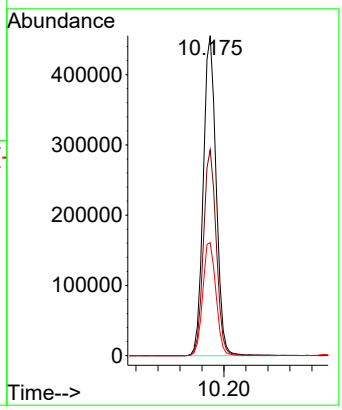


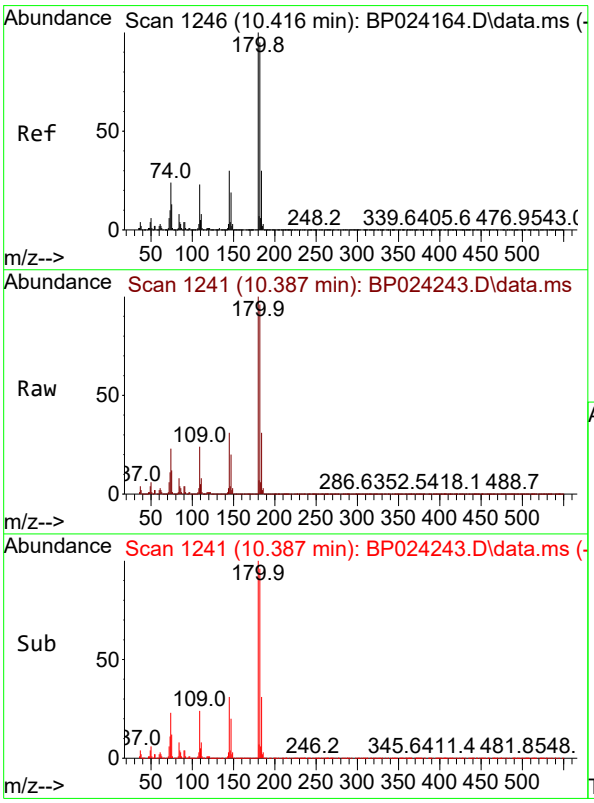

#29
2,4-Dichlorophenol
Concen: 43.526 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:162 Resp: 738339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.4 | 44.2 | 84.2 |
| 98 | 35.3 | 15.1 | 55.1 |

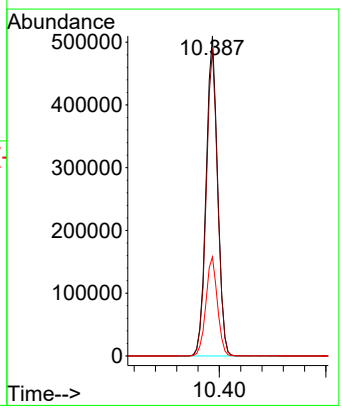


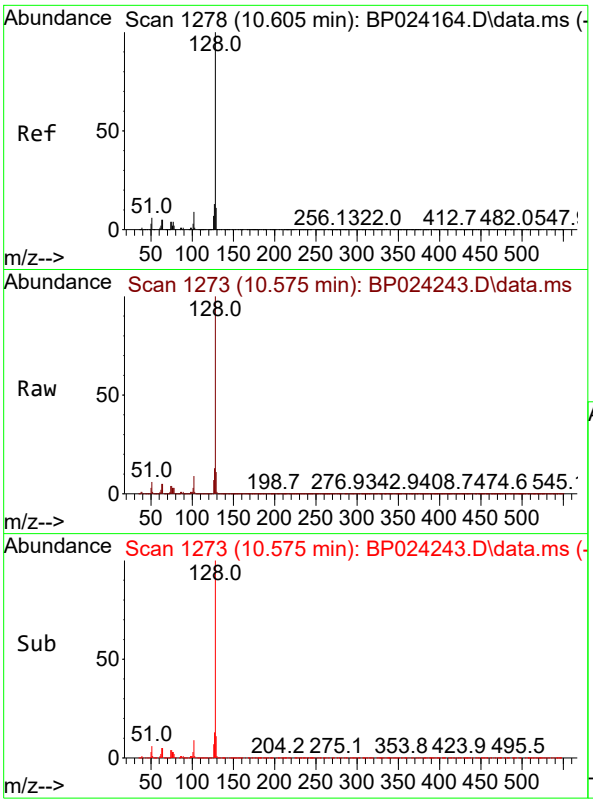




#30
1,2,4-Trichlorobenzene
Concen: 40.543 ng
RT: 10.387 min Scan# 1241
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:180 Resp: 759836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.0 | 76.1 | 114.1 |
| 145 | 31.0 | 24.2 | 36.2 |



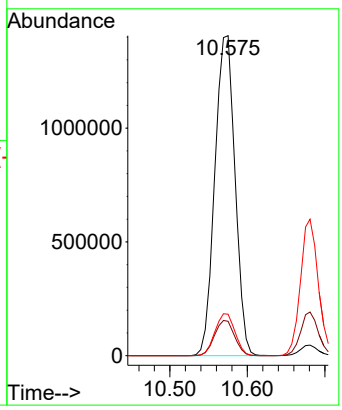


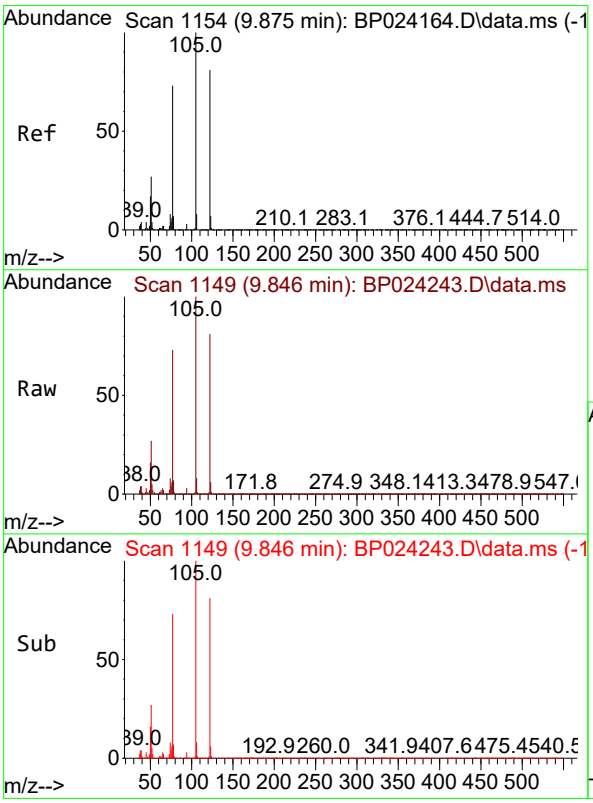

#31
Naphthalene
Concen: 41.152 ng
RT: 10.575 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:128 Resp: 2547078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.7 | 8.7 | 13.1 |
| 127 | 13.0 | 10.4 | 15.6 |

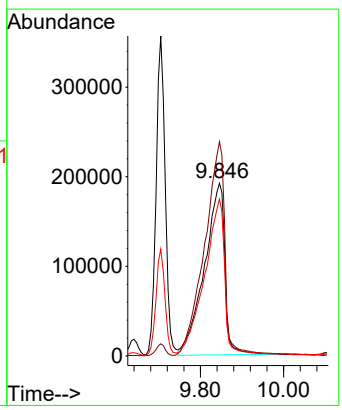


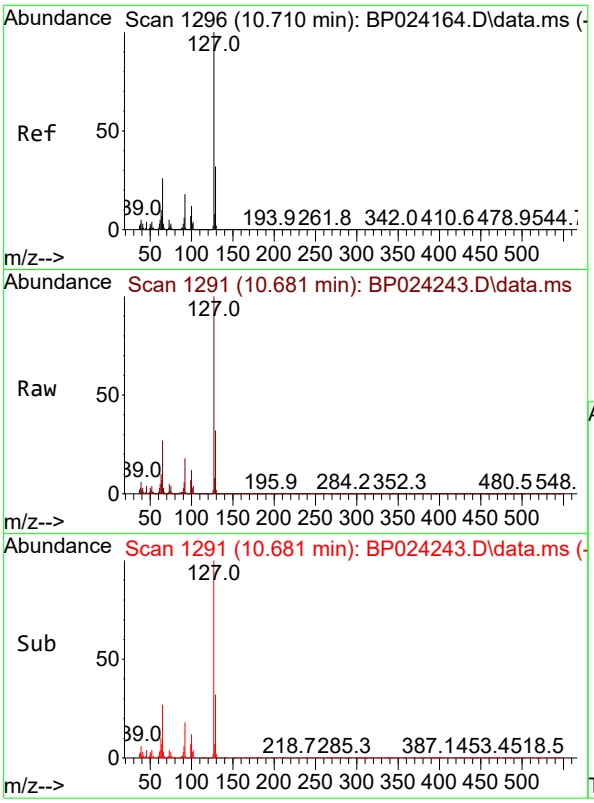




#32
Benzoic acid
Concen: 53.374 ng
RT: 9.846 min Scan# 1149
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:122 Resp: 652732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.1 | 100.3 | 140.3 |
| 77 | 91.0 | 69.1 | 109.1 |



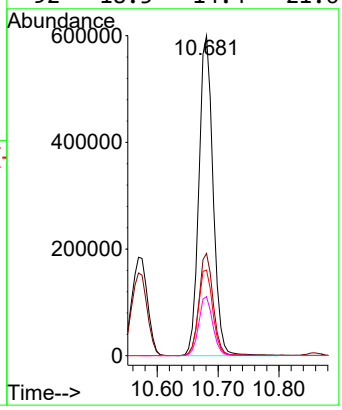


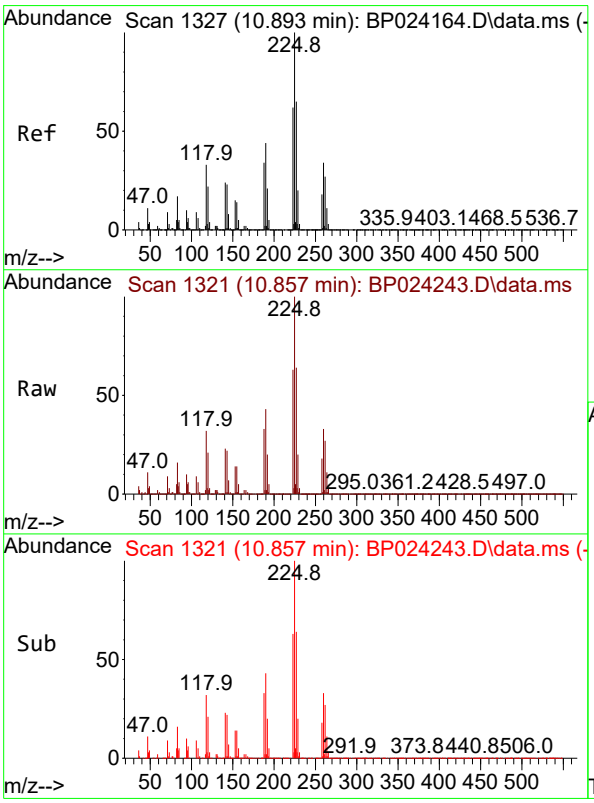

#33
4-Chloroaniline
Concen: 43.595 ng
RT: 10.681 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:127 Resp: 965625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.0 | 25.8 | 38.6 |
| 65 | 26.8 | 21.2 | 31.8 |
| 92 | 18.5 | 14.4 | 21.6 |

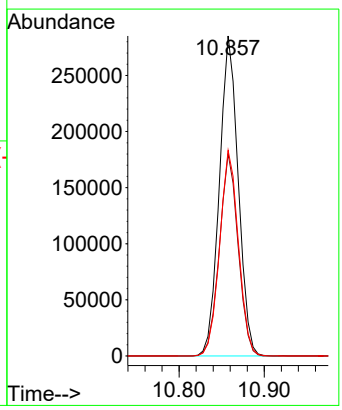


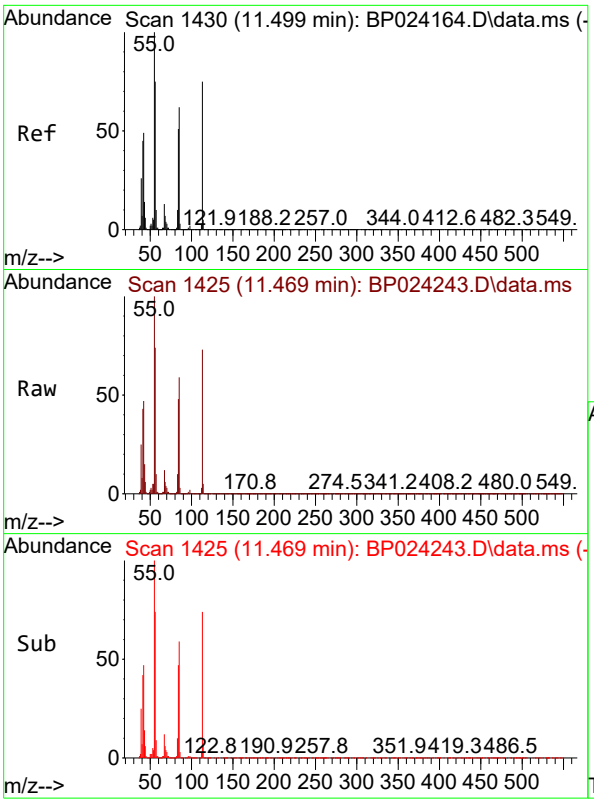




#34
Hexachlorobutadiene
Concen: 40.667 ng
RT: 10.857 min Scan# 1321
Delta R.T. -0.035 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:225 Resp: 438635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.2 | 49.9 | 74.9 |
| 227 | 64.3 | 52.2 | 78.2 |



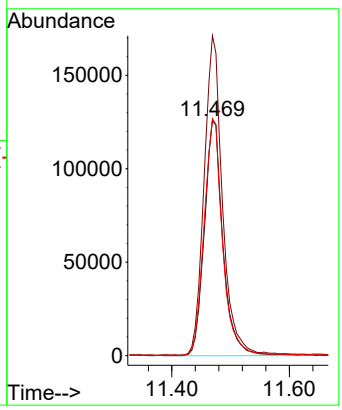


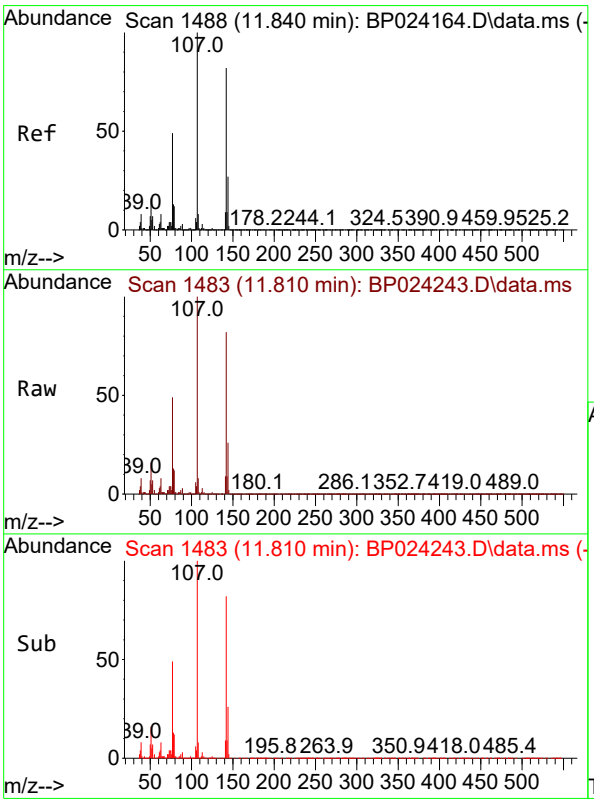

#35
Caprolactam
Concen: 49.564 ng
RT: 11.469 min Scan# 14
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:113 Resp: 275552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 136.2 | 113.6 | 153.6 |
| 56 | 100.9 | 80.0 | 120.0 |

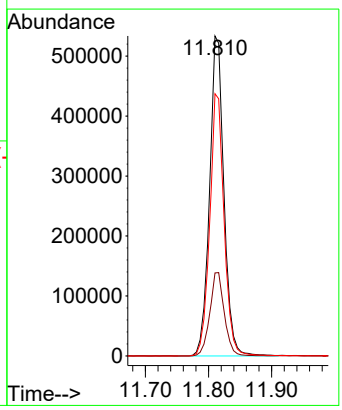


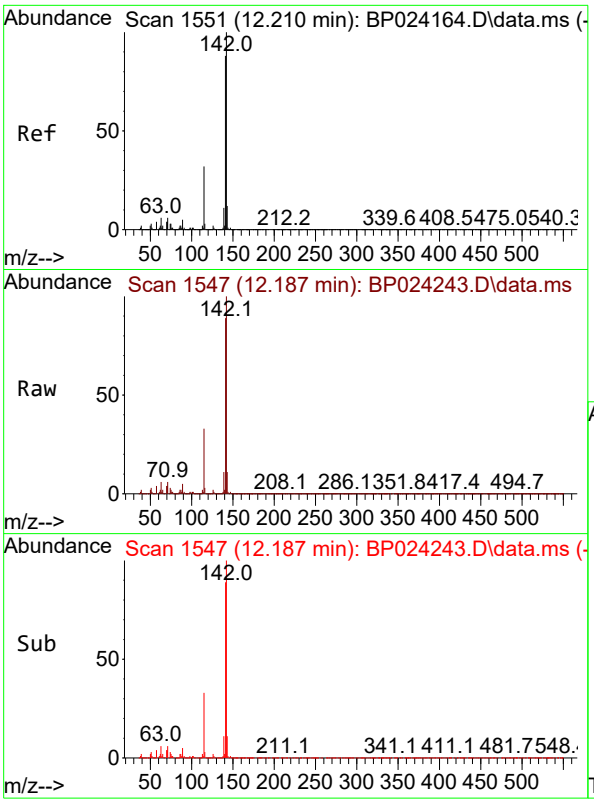




#36
4-Chloro-3-methylphenol
Concen: 46.027 ng
RT: 11.810 min Scan# 1483
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:107 Resp: 842270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.9 | 21.6 | 32.4 |
| 142 | 81.9 | 65.4 | 98.0 |



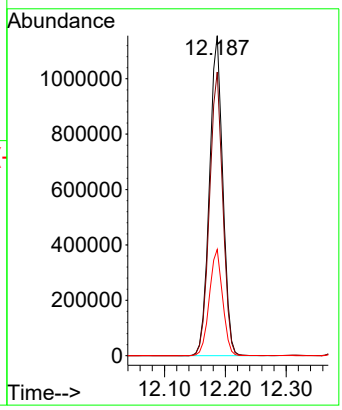


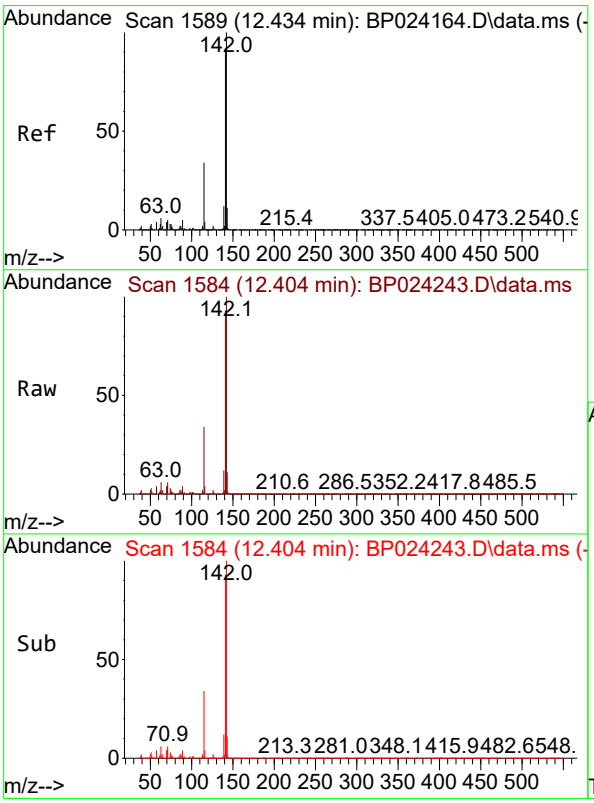

#37
2-Methylnaphthalene
Concen: 42.040 ng
RT: 12.187 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:142 Resp: 1757855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.6 | 70.3 | 105.5 |
| 115 | 33.2 | 26.0 | 39.0 |

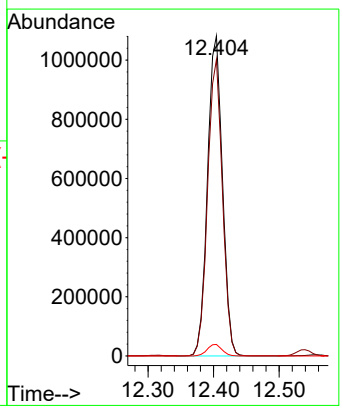


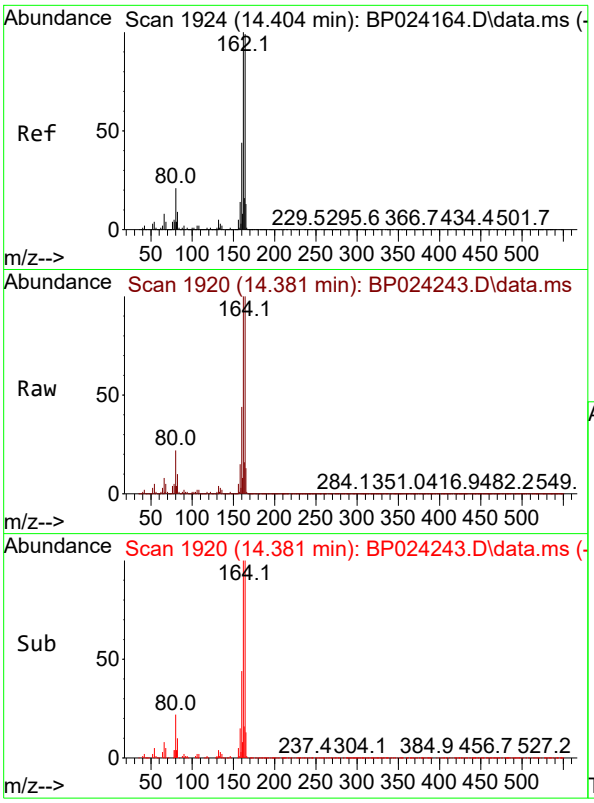




#38
1-Methylnaphthalene
Concen: 42.070 ng
RT: 12.404 min Scan# 1584
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:142 Resp: 1710995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.7 | 73.9 | 110.9 |
| 116 | 3.6 | 2.8 | 4.2 |



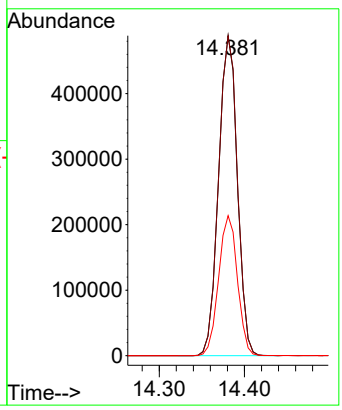


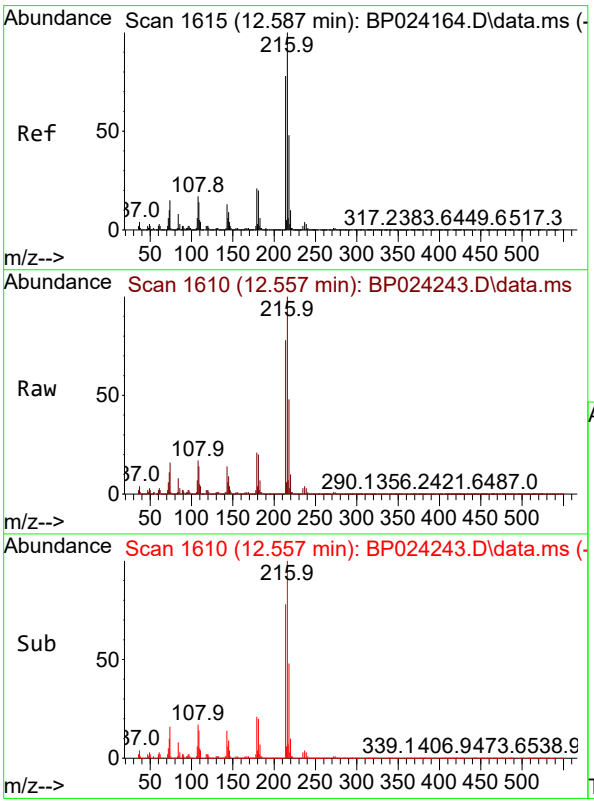

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.381 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:164 Resp: 745990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.8 | 80.6 | 121.0 |
| 160 | 43.8 | 35.4 | 53.2 |

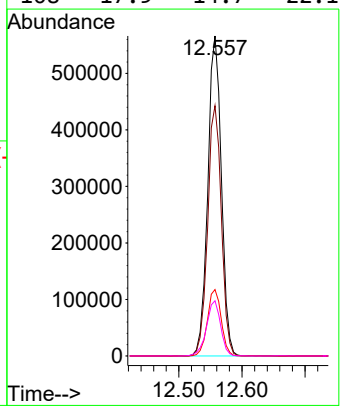


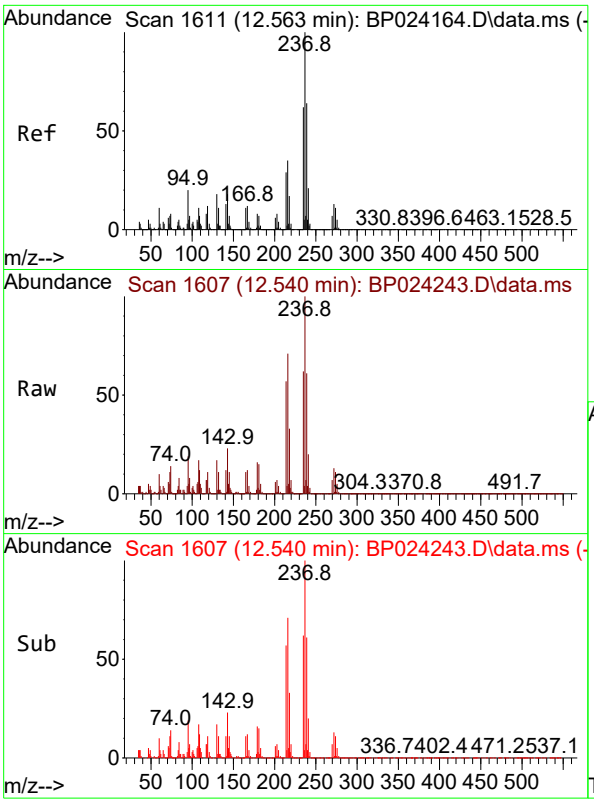




#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.230 ng
RT: 12.557 min Scan# 1610
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:216 Resp: 845975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.8 | 62.8 | 94.2 |
| 179 | 21.1 | 16.8 | 25.2 |
| 108 | 17.9 | 14.7 | 22.1 |



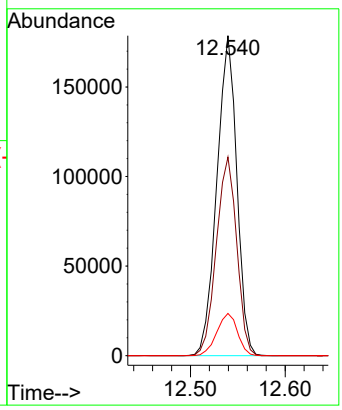


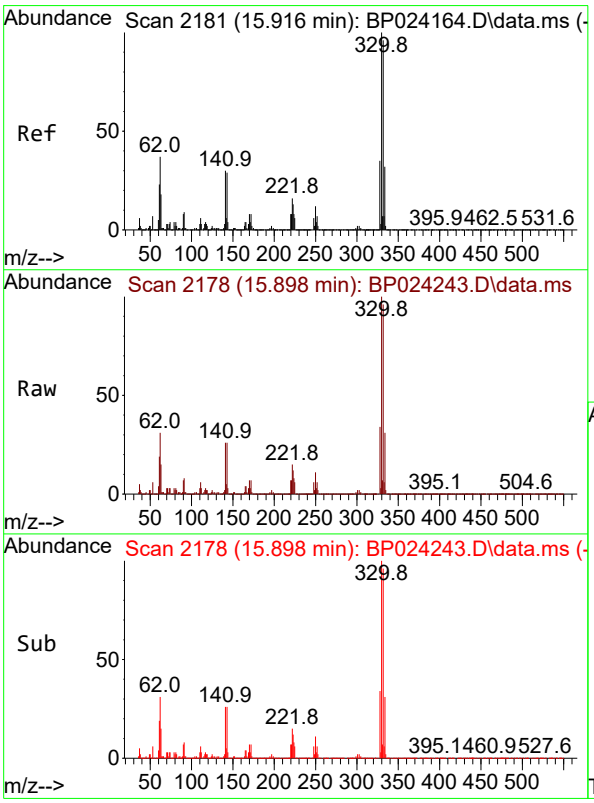

#41
Hexachlorocyclopentadiene
Concen: 33.703 ng
RT: 12.540 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:237 Resp: 261977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.0 | 41.8 | 81.8 |
| 272 | 13.2 | 0.0 | 33.5 |

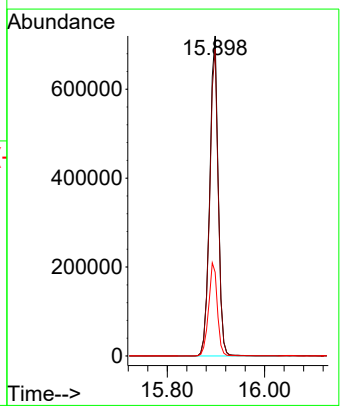


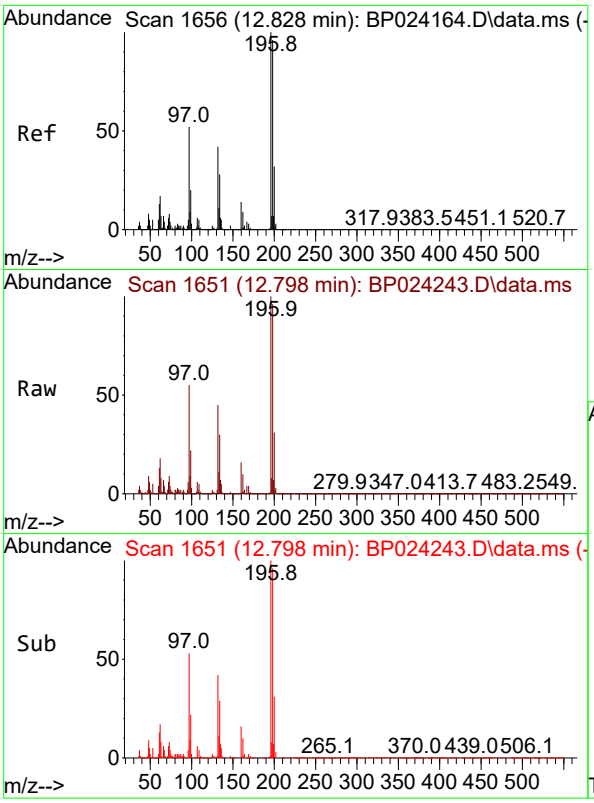




#42
2,4,6-Tribromophenol
Concen: 92.095 ng
RT: 15.898 min Scan# 2178
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:330 Resp: 865387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.4 | 77.6 | 116.4 |
| 141 | 29.7 | 25.0 | 37.6 |



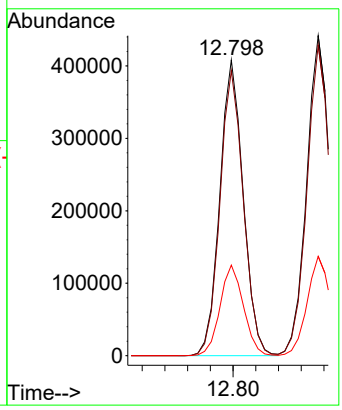


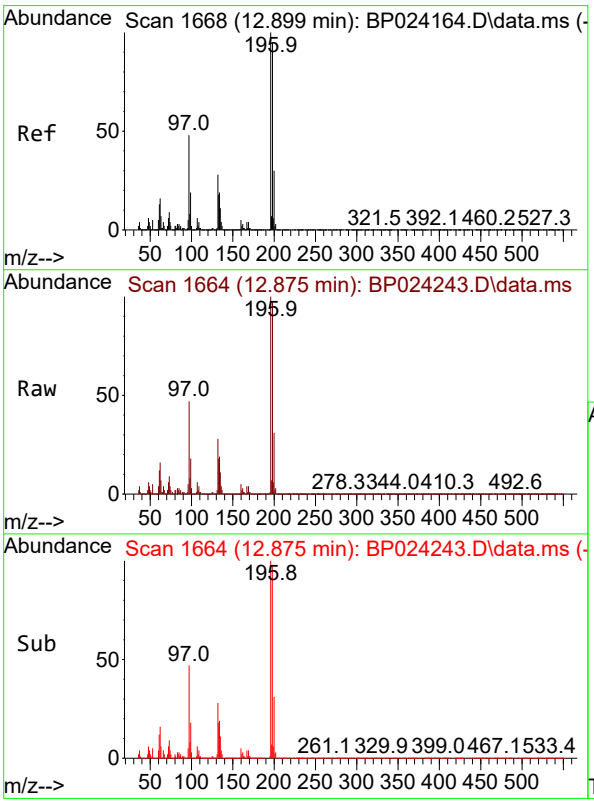

#43
2,4,6-Trichlorophenol
Concen: 42.642 ng
RT: 12.798 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:196 Resp: 584393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 96.4 | 76.6 | 115.0 |
| 200 | 30.7 | 25.4 | 38.0 |

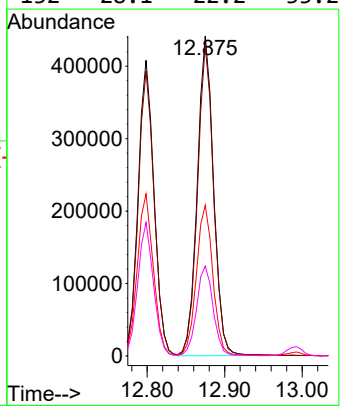


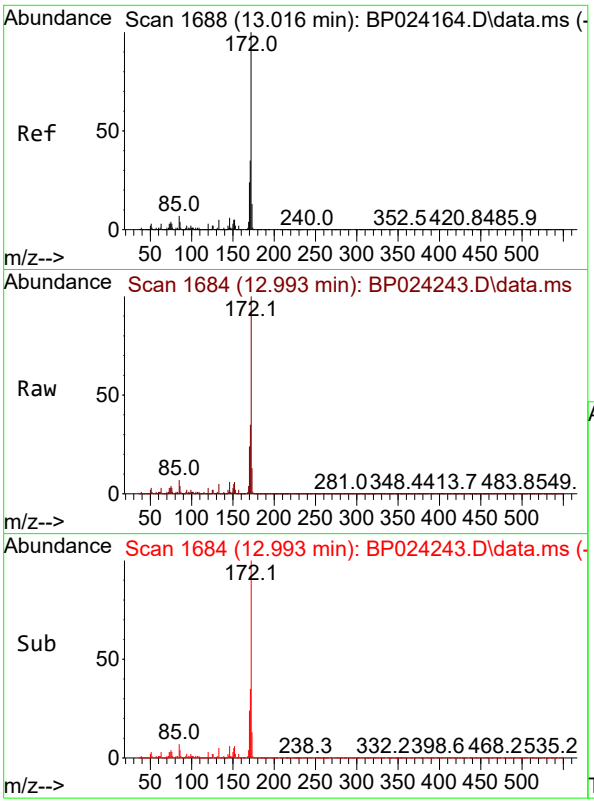




#44
2,4,5-Trichlorophenol
Concen: 42.864 ng
RT: 12.875 min Scan# 1664
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:196 Resp: 644222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 97.1 | 76.5 | 114.7 |
| 97 | 47.1 | 38.7 | 58.1 |
| 132 | 28.1 | 22.2 | 33.2 |



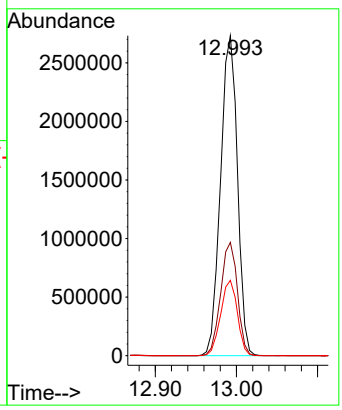


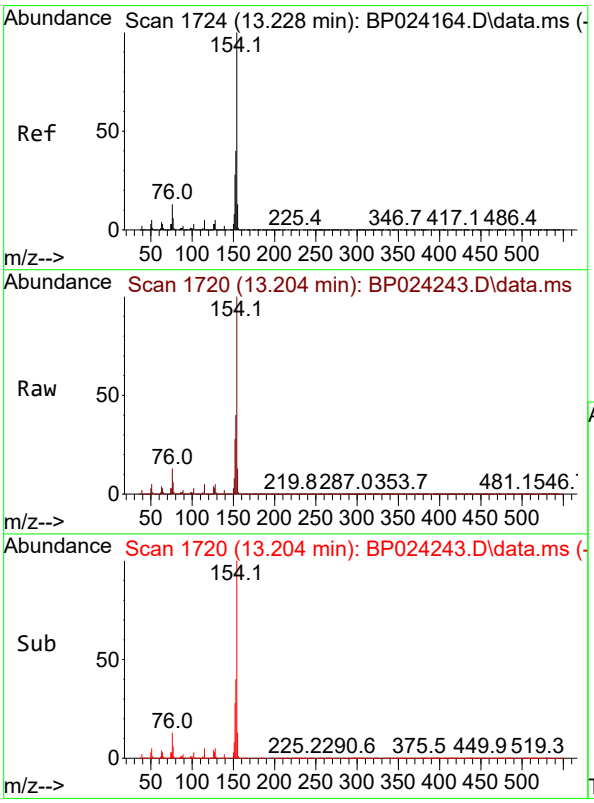

#45
2-Fluorobiphenyl
Concen: 78.208 ng
RT: 12.993 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:172 Resp: 3956663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 28.3 | 42.5 |
| 170 | 23.6 | 19.0 | 28.4 |

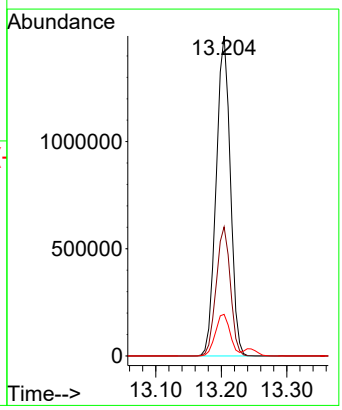


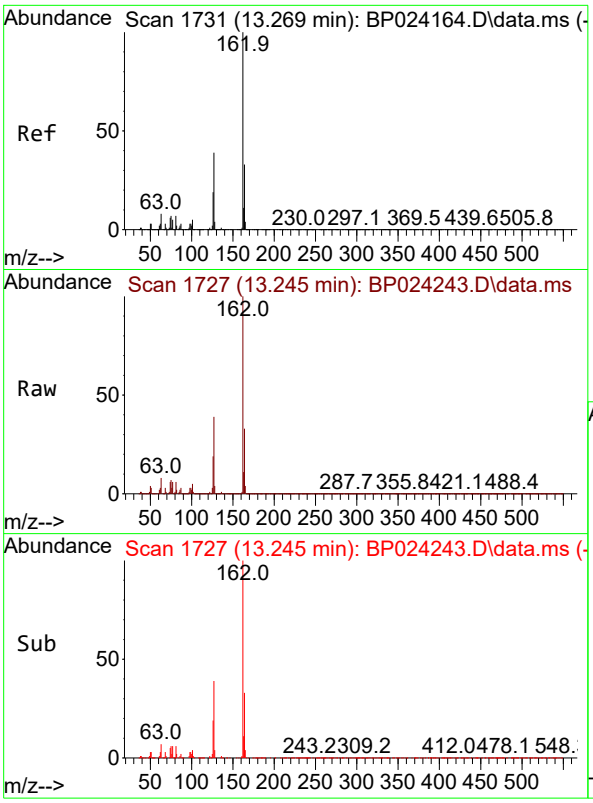




#46
1,1'-Biphenyl
Concen: 39.741 ng
RT: 13.204 min Scan# 1720
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:154 Resp: 2227781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.4 | 20.3 | 60.3 |
| 76 | 13.0 | 0.0 | 32.9 |



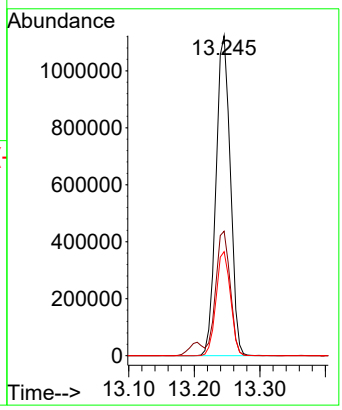


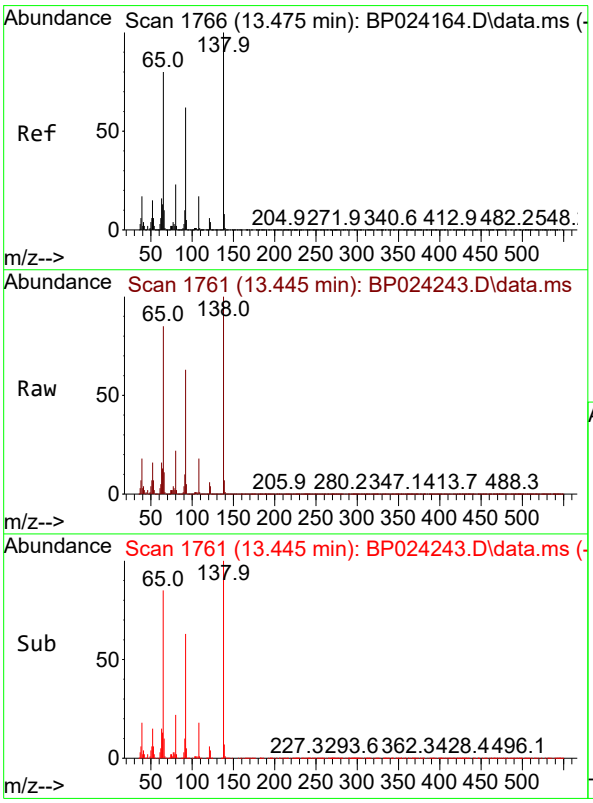

#47
2-Chloronaphthalene
Concen: 40.239 ng
RT: 13.245 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:162 Resp: 1696678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 38.9 | 31.5 | 47.3 |
| 164 | 32.5 | 26.6 | 39.8 |

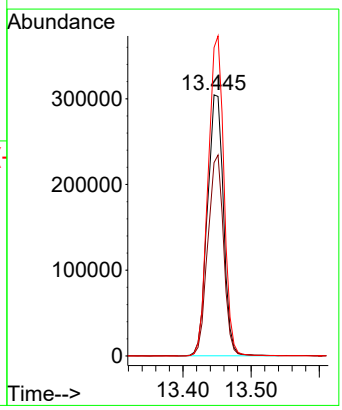


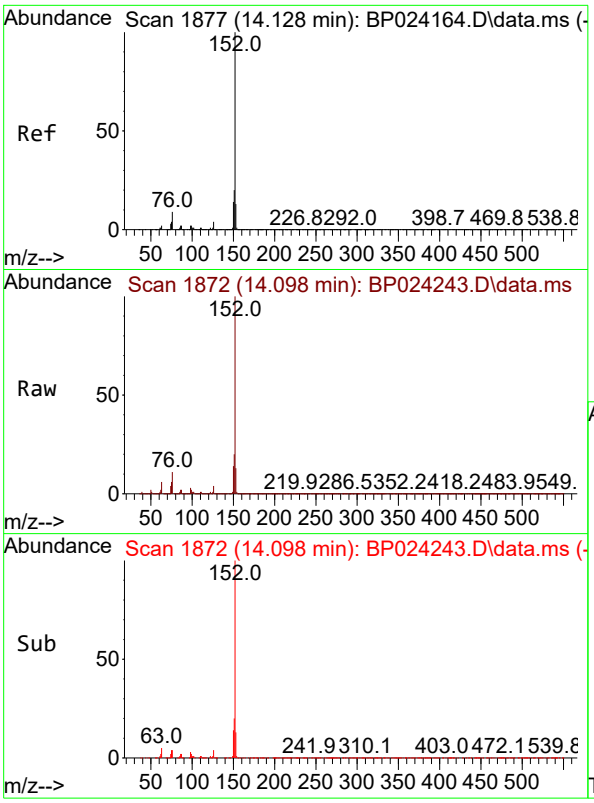




#48
2-Nitroaniline
Concen: 46.151 ng
RT: 13.445 min Scan# 1761
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion: 65 Resp: 497715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 74.0 | 62.1 | 93.1 |
| 138 | 118.0 | 99.5 | 149.3 |



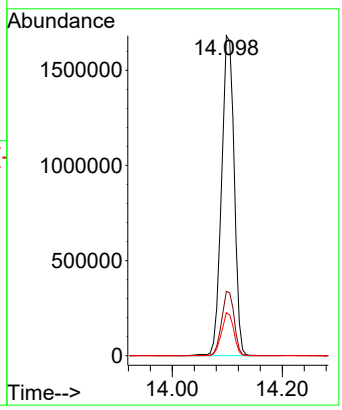


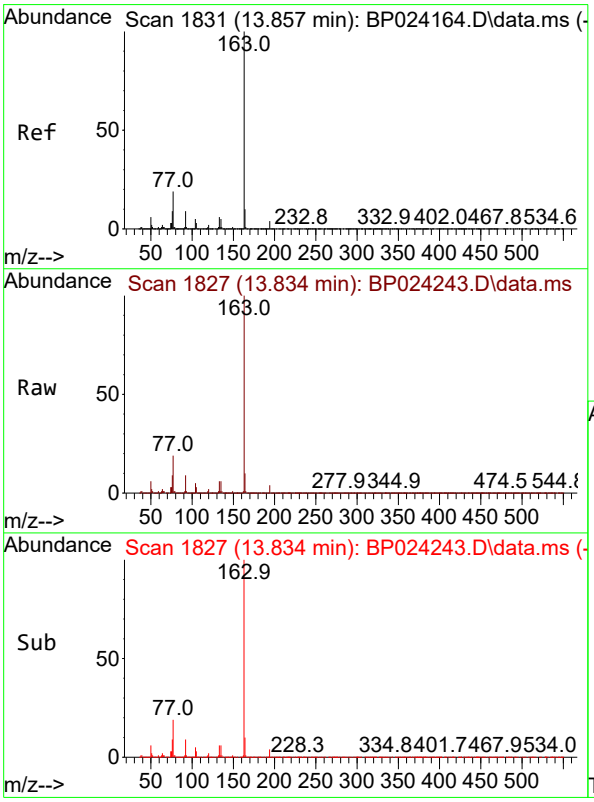

#49
Acenaphthylene
Concen: 42.011 ng
RT: 14.098 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:152 Resp: 2680313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.0 | 24.0 |
| 153 | 13.4 | 10.6 | 15.8 |

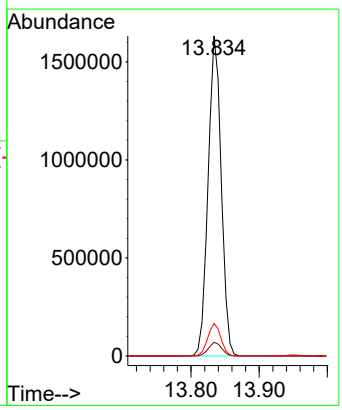


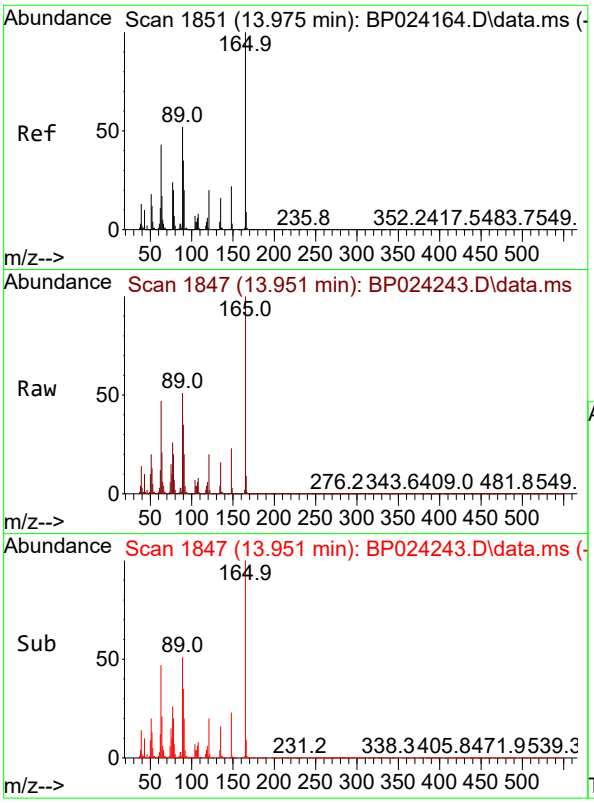




#50
Dimethylphthalate
Concen: 41.867 ng
RT: 13.834 min Scan# 1827
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:163 Resp: 2185393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.4 | 5.0 |
| 164 | 10.2 | 8.2 | 12.4 |



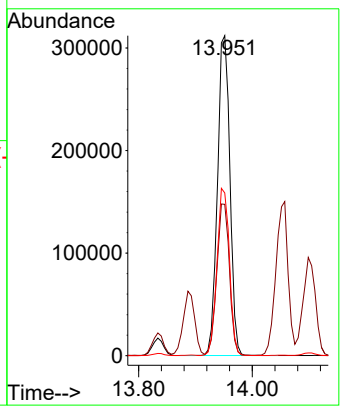


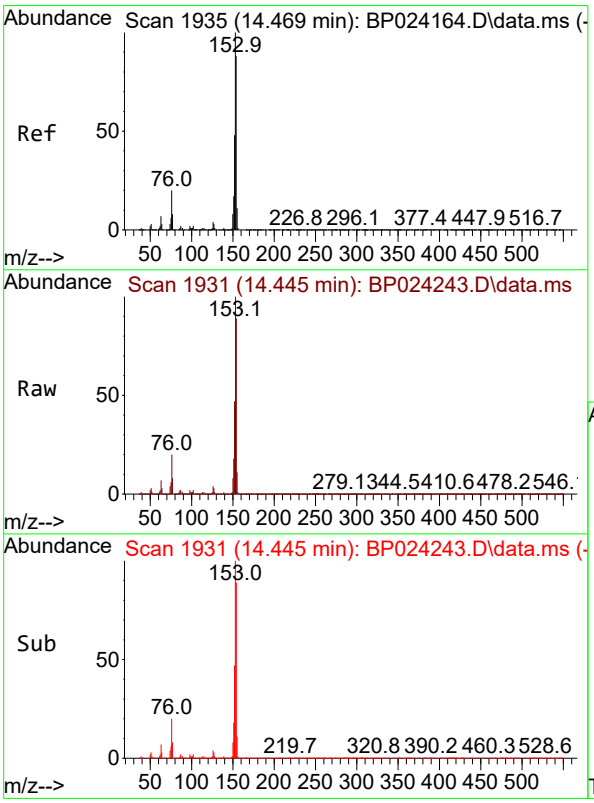

#51
2,6-Dinitrotoluene
Concen: 43.205 ng
RT: 13.951 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:165 Resp: 474506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 47.3 | 37.7 | 56.5 |
| 89 | 50.9 | 41.9 | 62.9 |

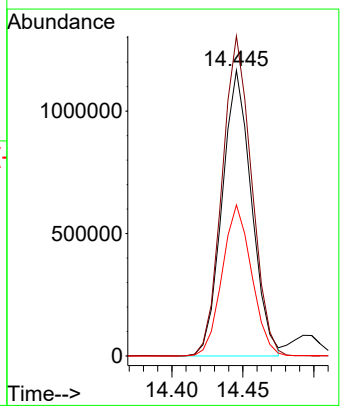


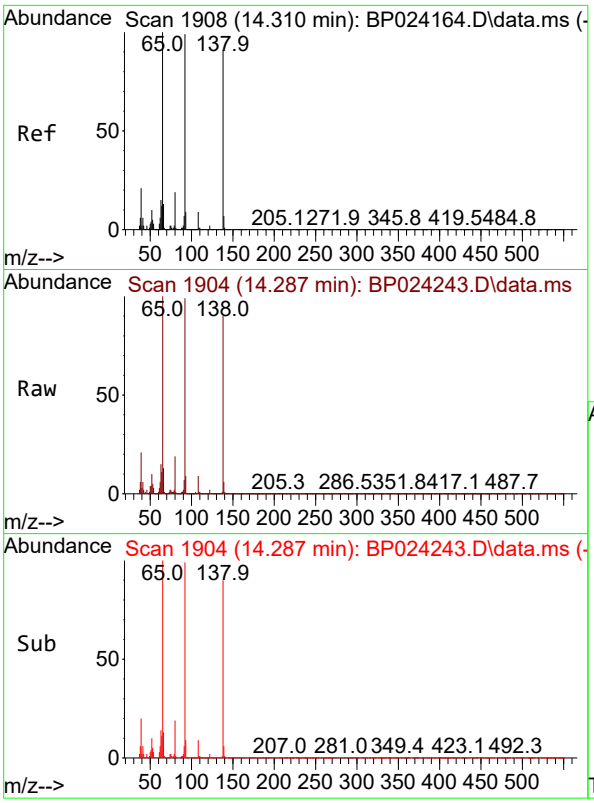




#52
Acenaphthene
Concen: 41.025 ng
RT: 14.445 min Scan# 1931
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:154 Resp: 1672351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.1 | 90.5 | 135.7 |
| 152 | 52.9 | 43.1 | 64.7 |



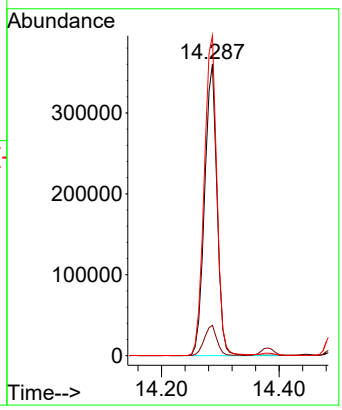


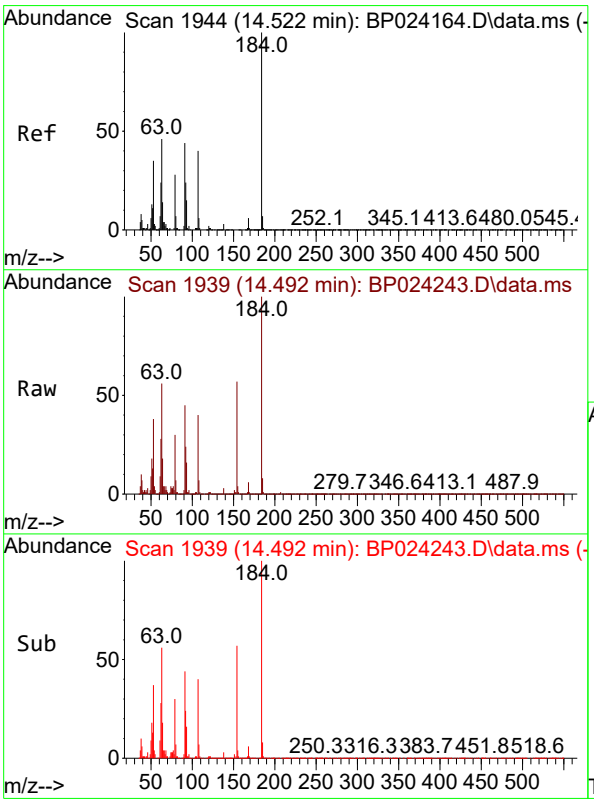

#53
3-Nitroaniline
Concen: 44.583 ng
RT: 14.287 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:138 Resp: 528847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.4 | 8.2 | 12.2 |
| 92 | 109.7 | 86.7 | 130.1 |

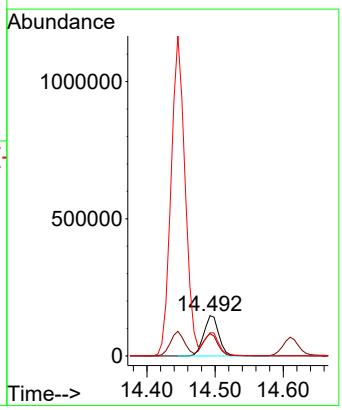


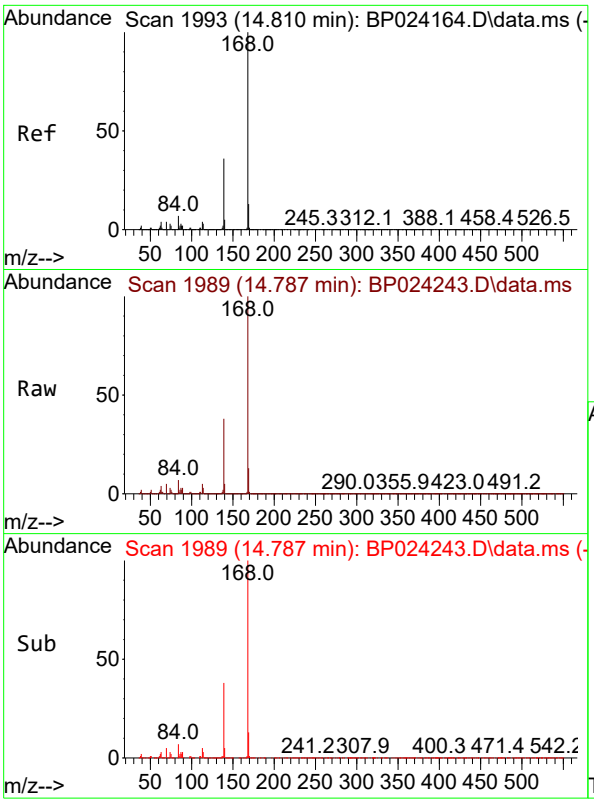




#54
2,4-Dinitrophenol
Concen: 39.089 ng
RT: 14.492 min Scan# 1939
Delta R.T. -0.030 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:184 Resp: 227159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 55.7 | 42.1 | 63.1 |
| 154 | 57.4 | 44.6 | 67.0 |



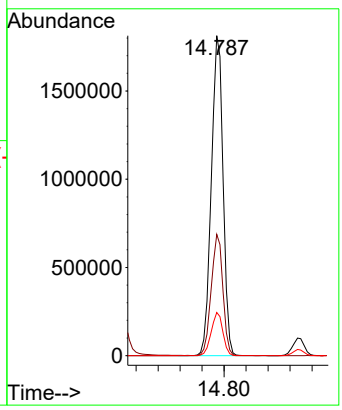


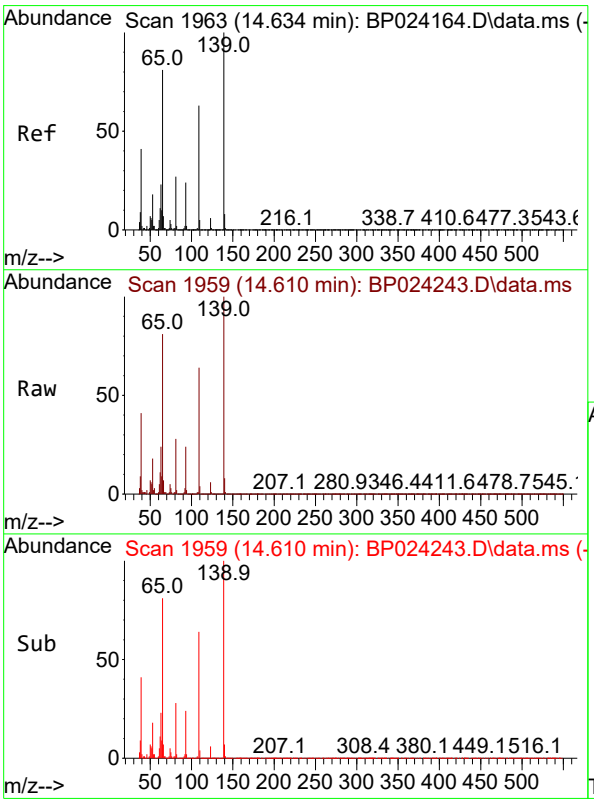

#55
Dibenzofuran
Concen: 40.673 ng
RT: 14.787 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:168 Resp: 2685626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.9 | 29.1 | 43.7 |
| 169 | 13.5 | 10.8 | 16.2 |

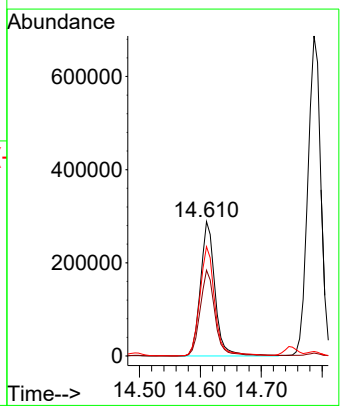


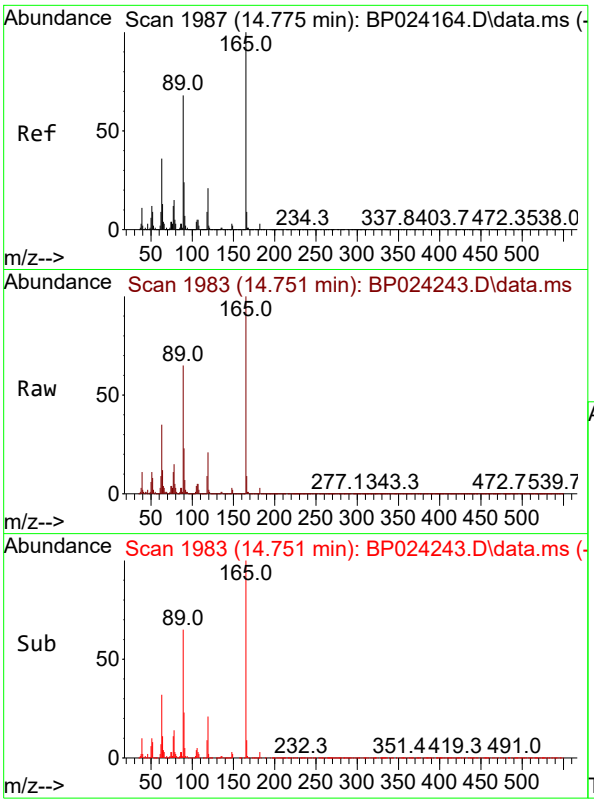




#56
4-Nitrophenol
Concen: 48.367 ng
RT: 14.610 min Scan# 1959
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:139 Resp: 479403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 63.8 | 43.3 | 83.3 |
| 65 | 81.2 | 61.2 | 101.2 |



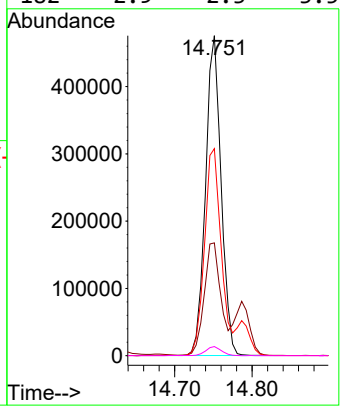


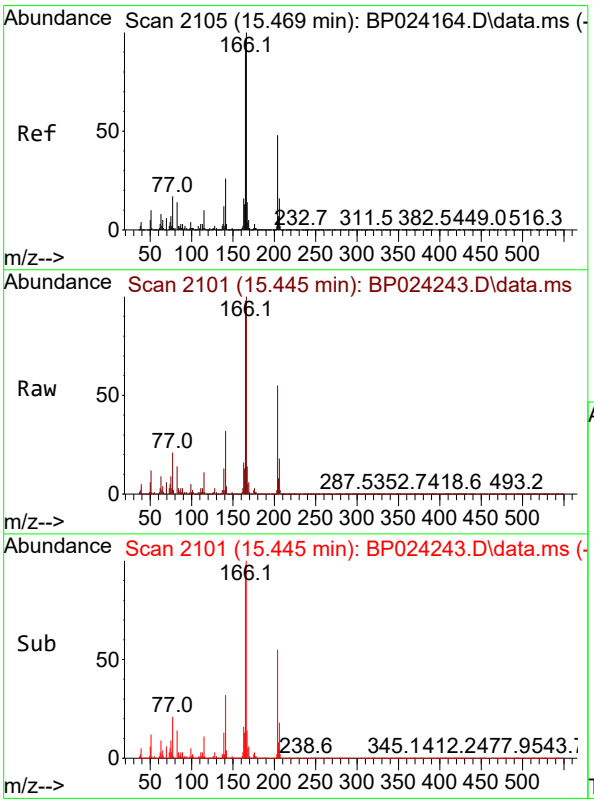

#57
2,4-Dinitrotoluene
Concen: 45.693 ng
RT: 14.751 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:165 Resp: 662877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 35.2 | 29.0 | 43.6 |
| 89 | 64.7 | 54.2 | 81.4 |
| 182 | 2.9 | 2.3 | 3.5 |

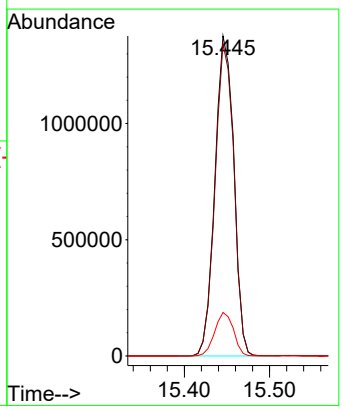


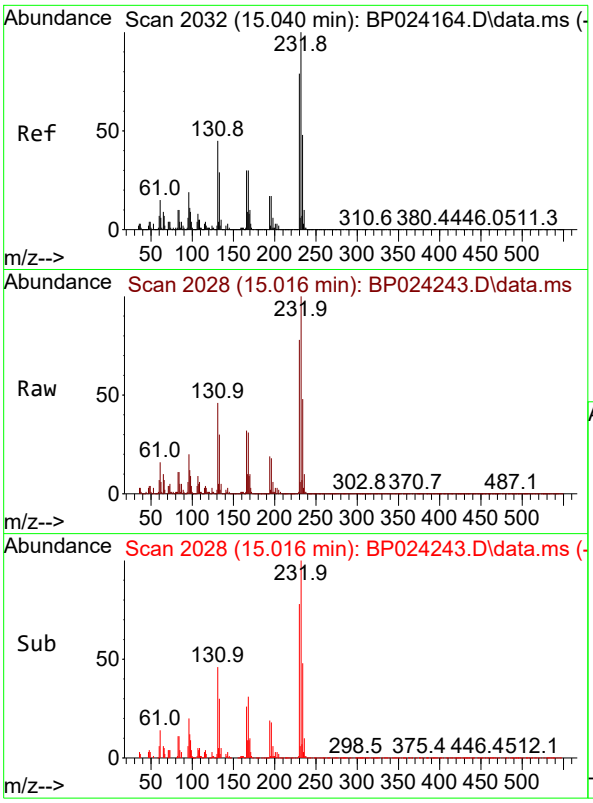




#58
Fluorene
Concen: 41.301 ng
RT: 15.445 min Scan# 2101
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:166 Resp: 2124806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.6 | 77.6 | 116.4 |
| 167 | 13.6 | 10.8 | 16.2 |



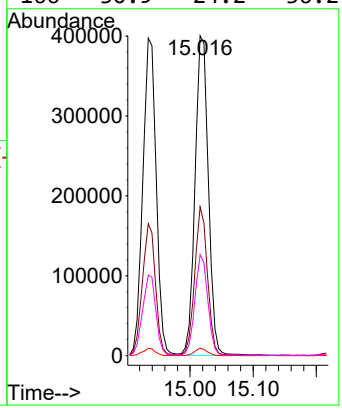


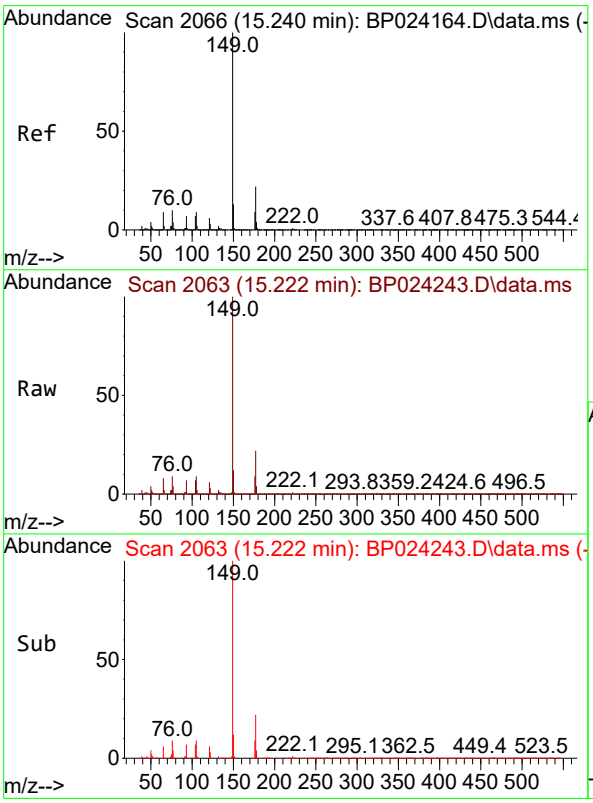

#59
2,3,4,6-Tetrachlorophenol
Concen: 44.009 ng
RT: 15.016 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:232 Resp: 584379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 44.9 | 35.9 | 53.9 |
| 130 | 2.2 | 1.8 | 2.6 |
| 166 | 30.9 | 24.2 | 36.2 |

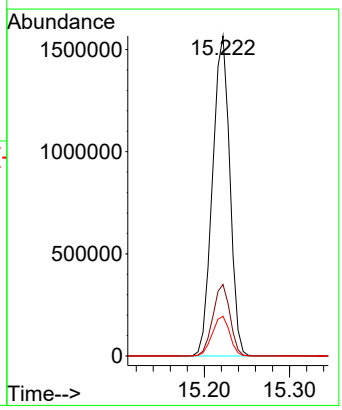


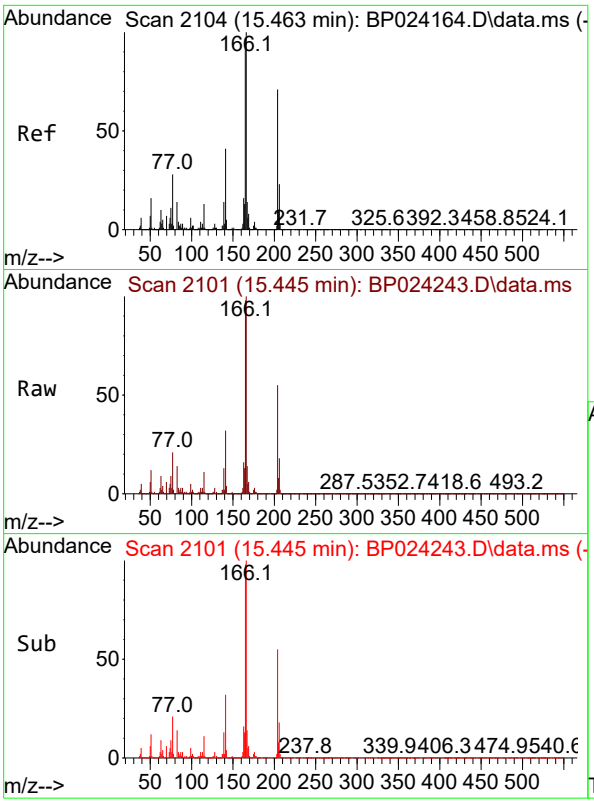




#60
Diethylphthalate
Concen: 42.507 ng
RT: 15.222 min Scan# 2063
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:149 Resp: 2209545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.4 | 17.7 | 26.5 |
| 150 | 12.4 | 10.2 | 15.4 |



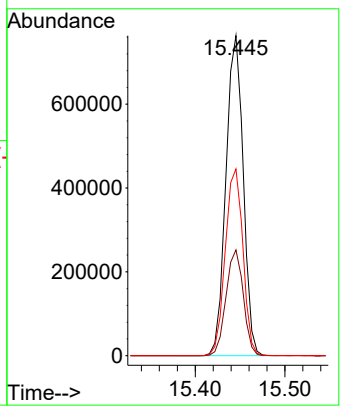


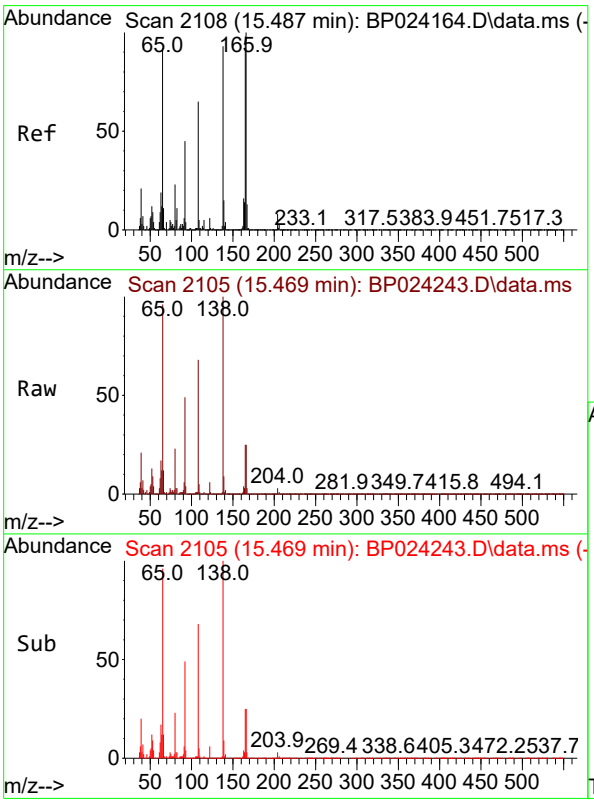

#61
4-Chlorophenyl-phenylether
Concen: 40.466 ng
RT: 15.445 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:204 Resp: 1021081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.0 | 26.4 | 39.6 |
| 141 | 58.3 | 45.8 | 68.8 |

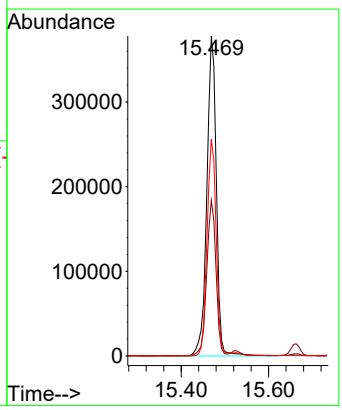


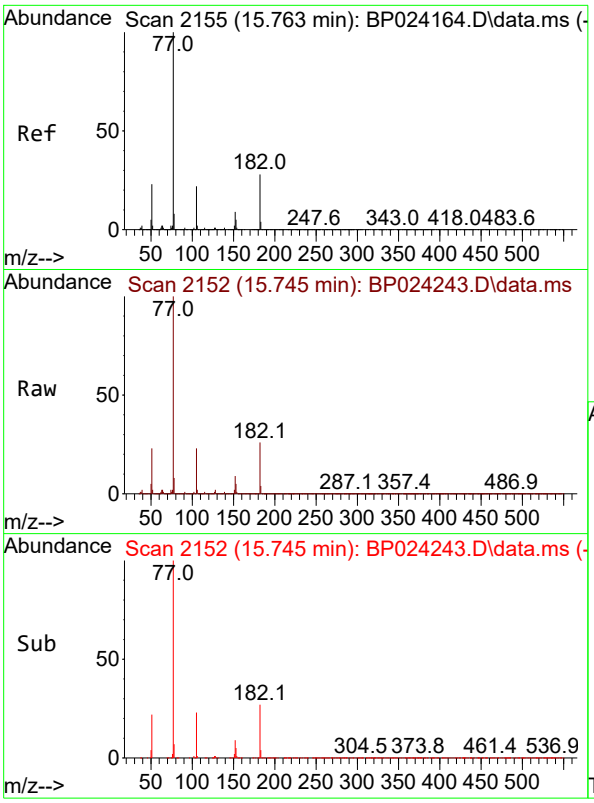




#62
4-Nitroaniline
Concen: 46.082 ng
RT: 15.469 min Scan# 2105
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:138 Resp: 573319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 48.7 | 28.7 | 68.7 |
| 108 | 67.7 | 49.5 | 89.5 |



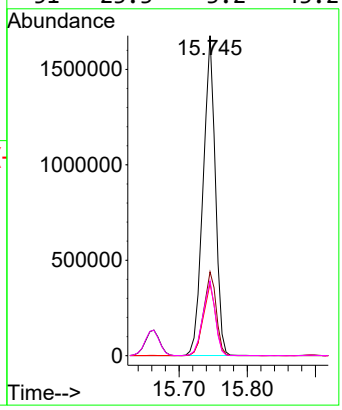


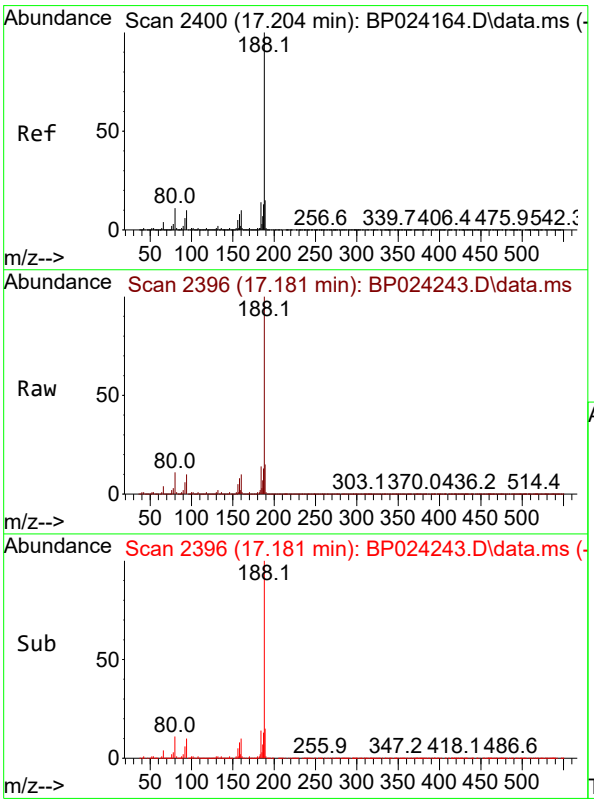

#63
Azobenzene
Concen: 42.713 ng
RT: 15.745 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion: 77 Resp: 2092657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.2 | 7.7 | 47.7 |
| 105 | 22.6 | 2.3 | 42.3 |
| 51 | 23.3 | 3.2 | 43.2 |

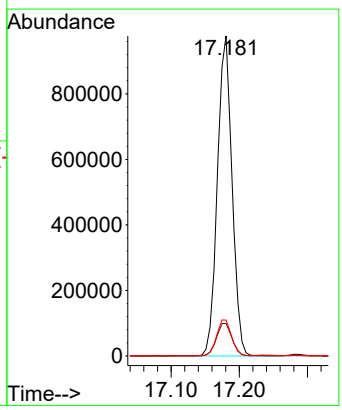


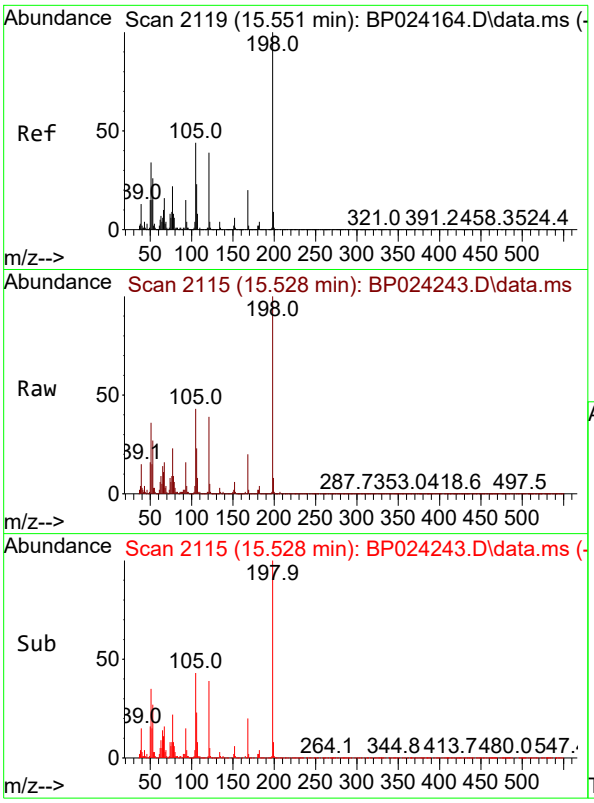




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.181 min Scan# 2396
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:188 Resp: 1461391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.2 | 8.1 | 12.1 |
| 80 | 11.2 | 8.9 | 13.3 |



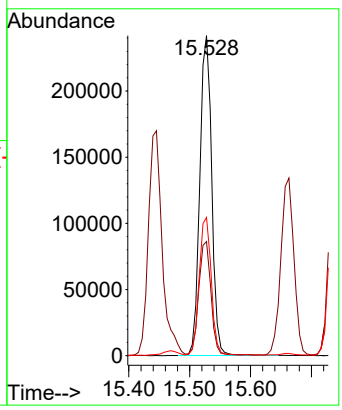


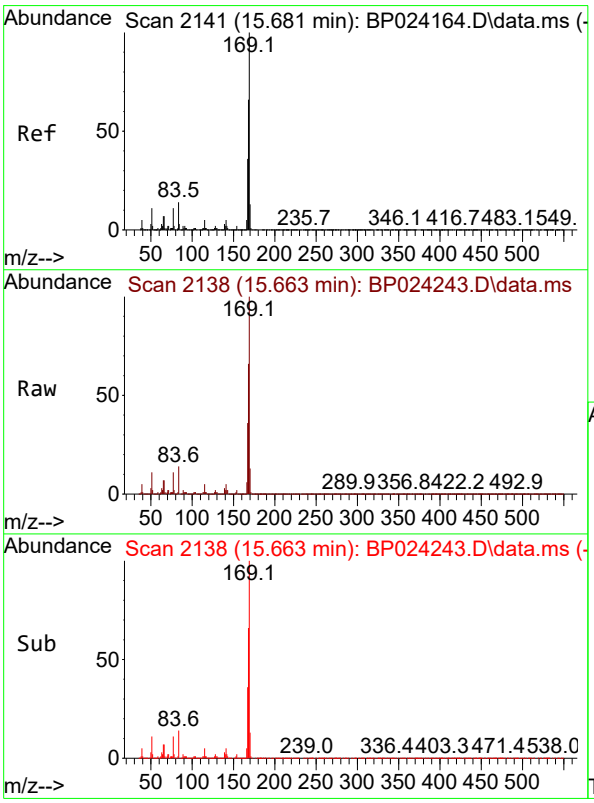

#65
4,6-Dinitro-2-methylphenol
Concen: 37.697 ng
RT: 15.528 min Scan# 21
Delta R.T. -0.023 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:198 Resp: 327048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 35.7 | 14.7 | 54.7 |
| 105 | 43.2 | 23.8 | 63.8 |

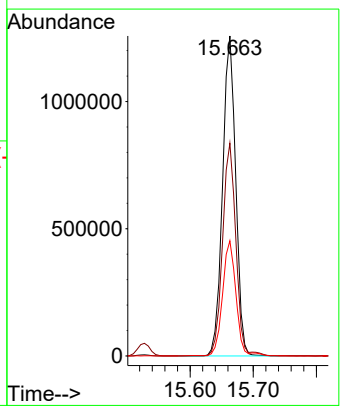


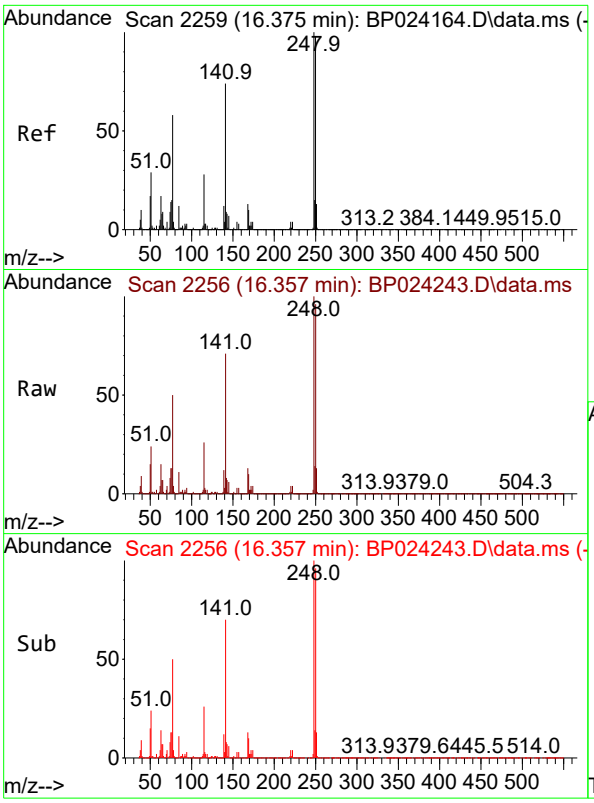




#66
n-Nitrosodiphenylamine
Concen: 40.878 ng
RT: 15.663 min Scan# 2138
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:169 Resp: 1814075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.5 | 52.9 | 79.3 |
| 167 | 36.0 | 28.8 | 43.2 |



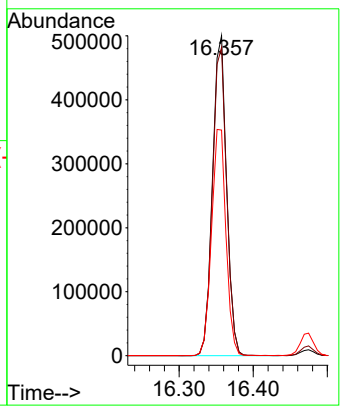


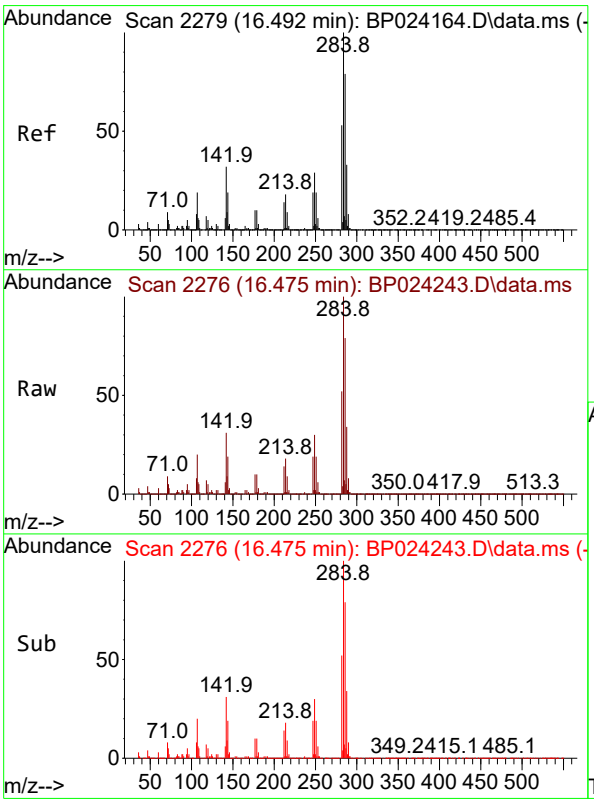

#67
4-Bromophenyl-phenylether
Concen: 40.979 ng
RT: 16.357 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:248 Resp: 657498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.4 | 78.4 | 117.6 |
| 141 | 70.5 | 59.4 | 89.0 |

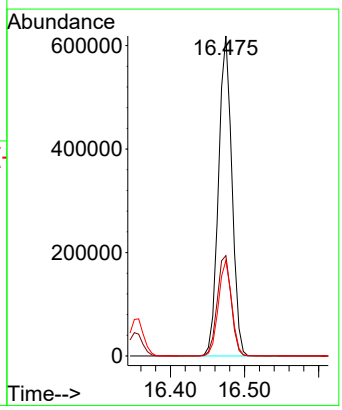


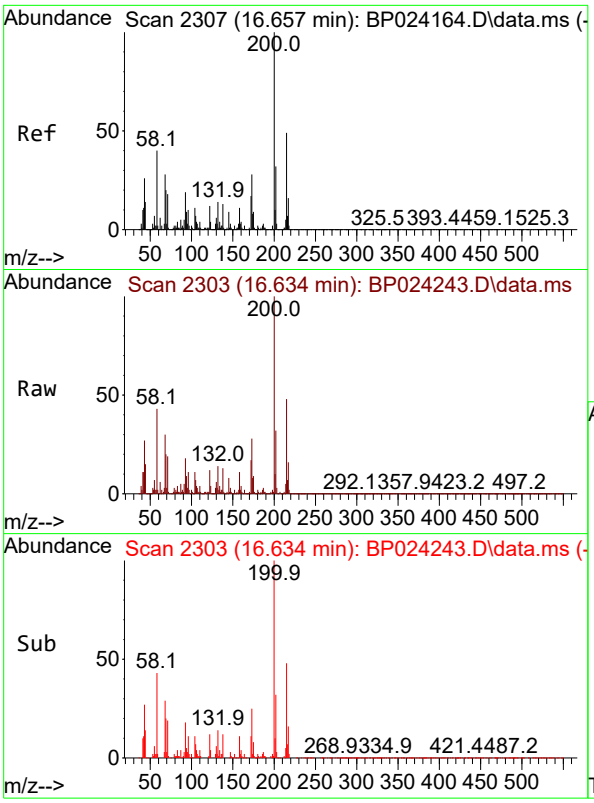




#68
Hexachlorobenzene
Concen: 40.888 ng
RT: 16.475 min Scan# 2276
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:284 Resp: 776475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.4 | 25.4 | 38.2 |
| 249 | 29.8 | 23.5 | 35.3 |



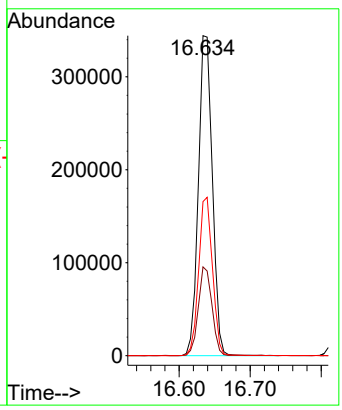


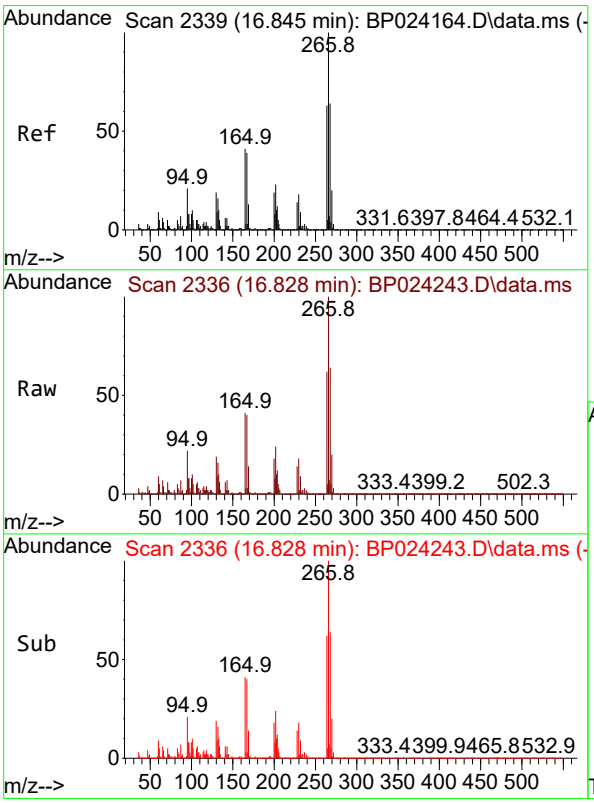

#69
Atrazine
Concen: 44.117 ng
RT: 16.634 min Scan# 2
Delta R.T. -0.023 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:200 Resp: 472555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.8 | 7.6 | 47.6 |
| 215 | 48.2 | 29.0 | 69.0 |

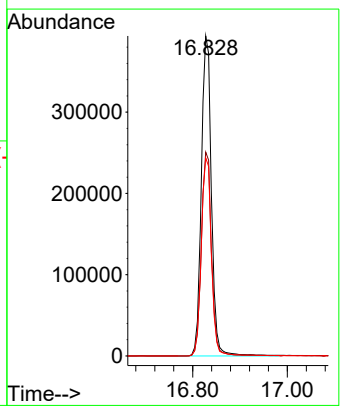


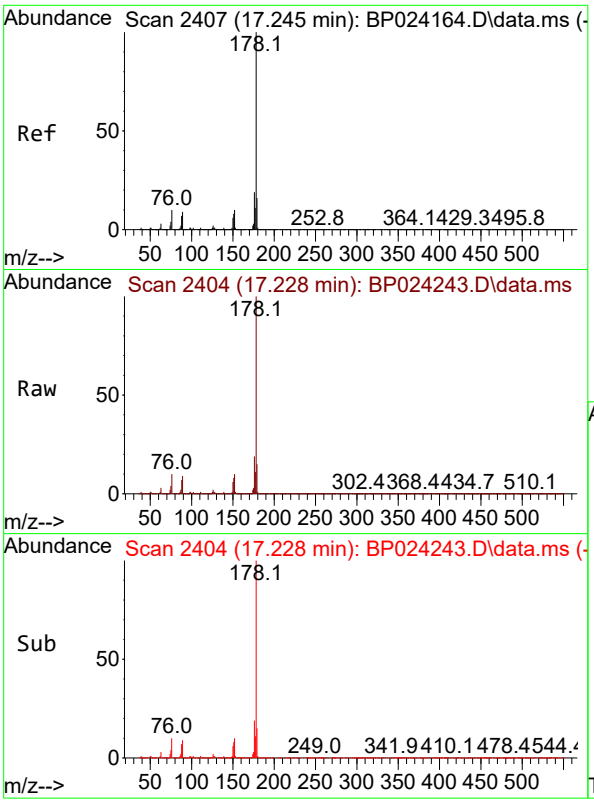




#70
Pentachlorophenol
Concen: 47.363 ng
RT: 16.828 min Scan# 2336
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:266 Resp: 581658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.7 | 51.3 | 76.9 |
| 264 | 61.9 | 50.6 | 76.0 |



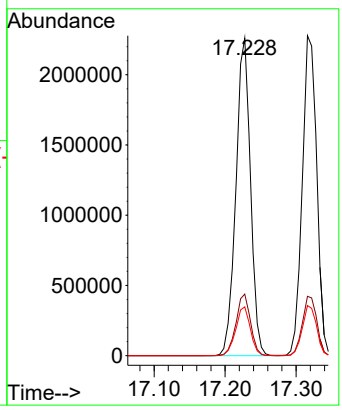


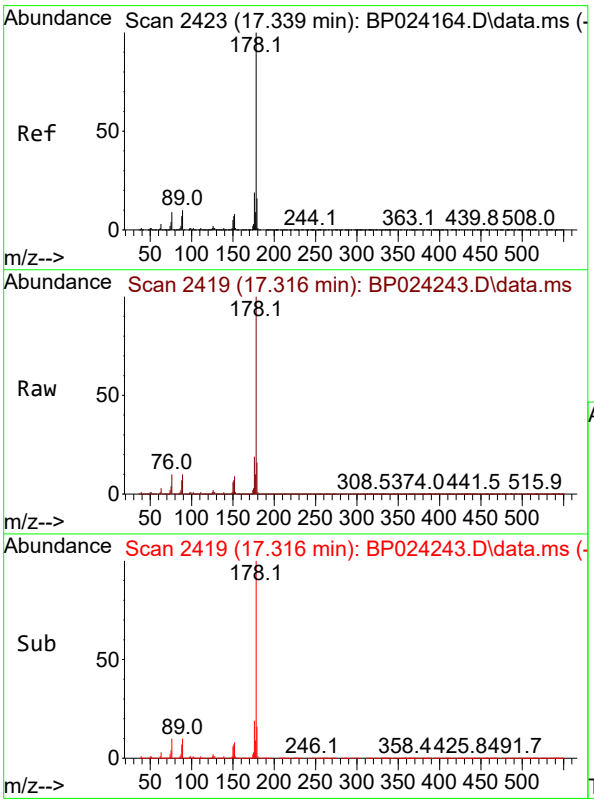

#71
Phenanthrene
Concen: 40.488 ng
RT: 17.228 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:178 Resp: 3232332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 15.6 | 23.4 |
| 179 | 15.4 | 12.5 | 18.7 |

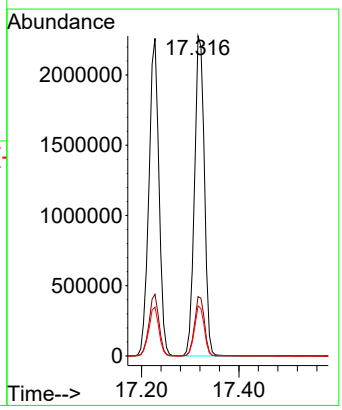


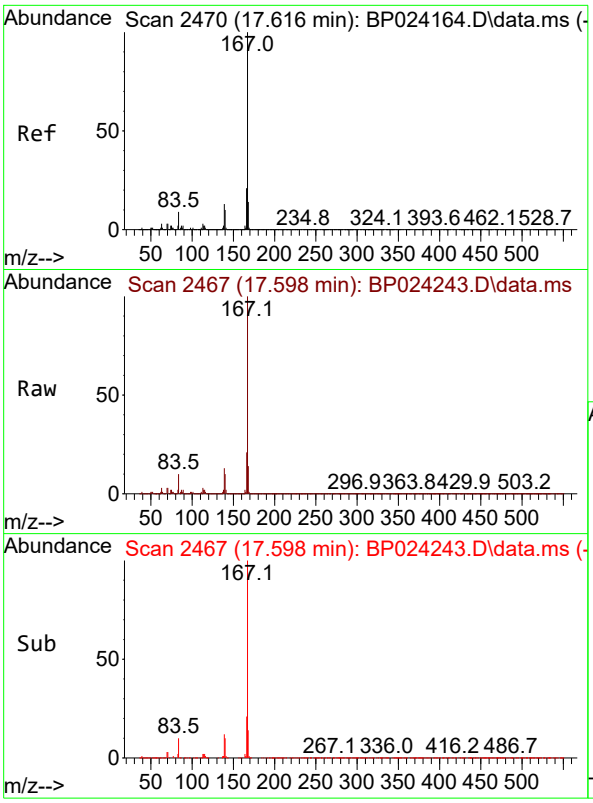




#72
Anthracene
Concen: 41.462 ng
RT: 17.316 min Scan# 2419
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:178 Resp: 3223966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 15.2 | 22.8 |
| 179 | 15.6 | 12.6 | 18.8 |



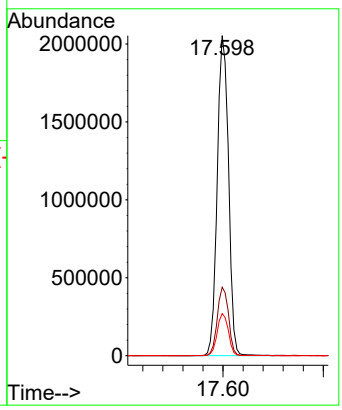


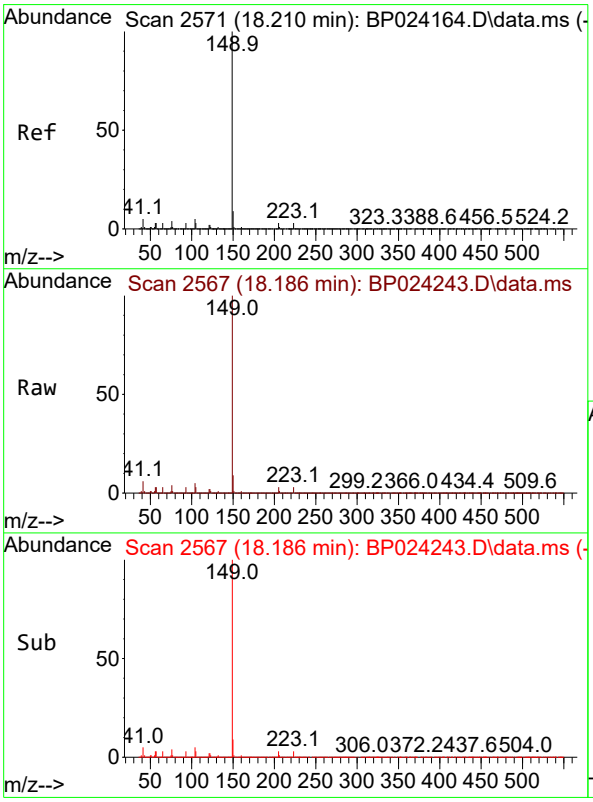

#73
Carbazole
Concen: 42.628 ng
RT: 17.598 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:167 Resp: 3196479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.4 | 17.1 | 25.7 |
| 139 | 13.1 | 10.2 | 15.4 |

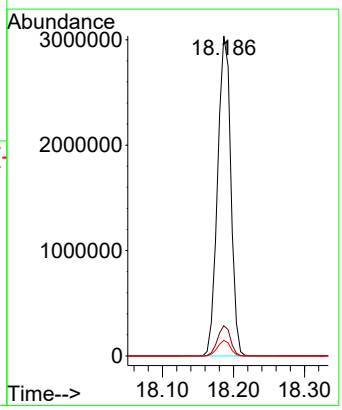


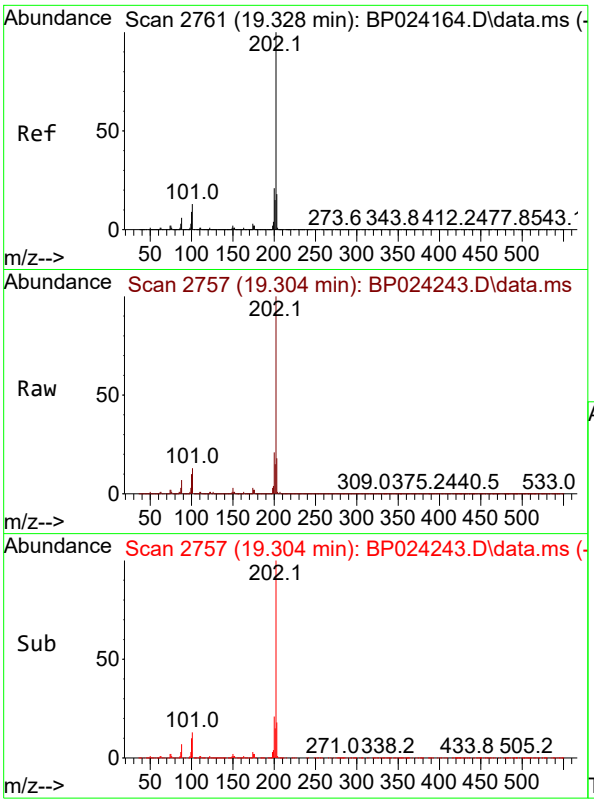




#74
Di-n-butylphthalate
Concen: 43.854 ng
RT: 18.186 min Scan# 2567
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:149 Resp: 3903701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.4 | 7.6 | 11.4 |
| 104 | 4.9 | 3.9 | 5.9 |



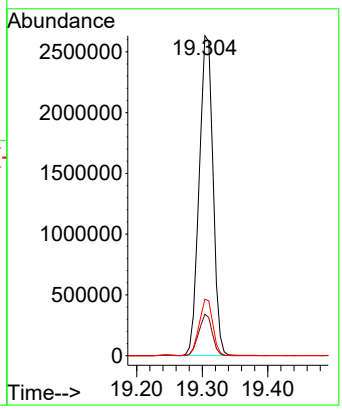


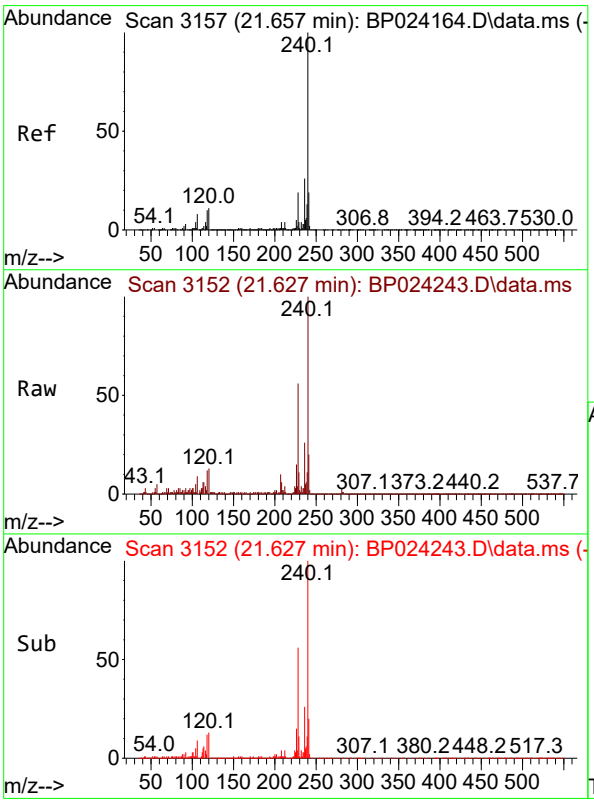

#75
Fluoranthene
Concen: 41.850 ng
RT: 19.304 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:202 Resp: 3869566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.0 | 0.0 | 32.5 |
| 203 | 17.6 | 0.0 | 37.9 |

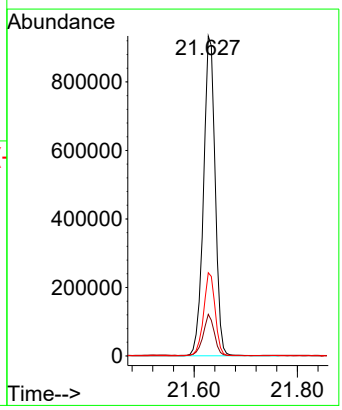


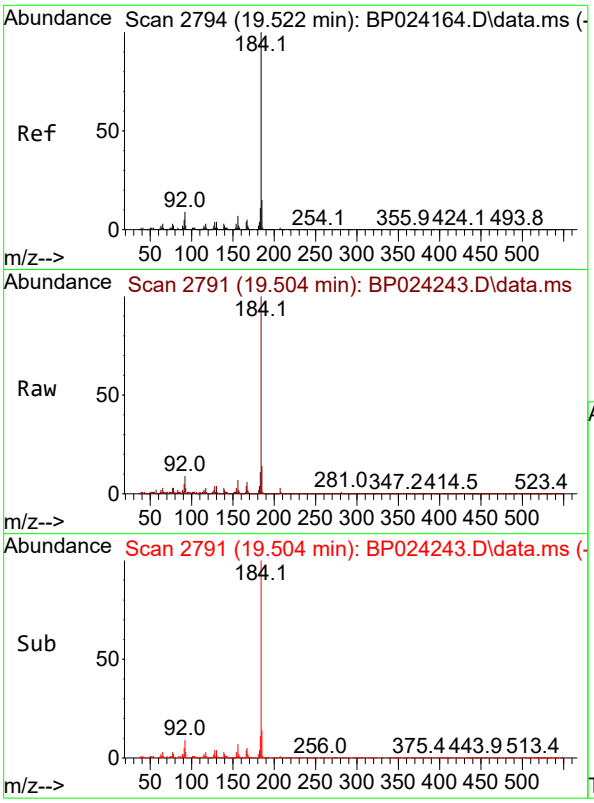




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.627 min Scan# 3152
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:240 Resp: 1456577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.0 | 9.2 | 13.8 |
| 236 | 26.0 | 20.4 | 30.6 |



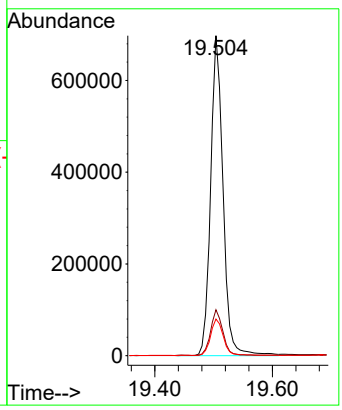


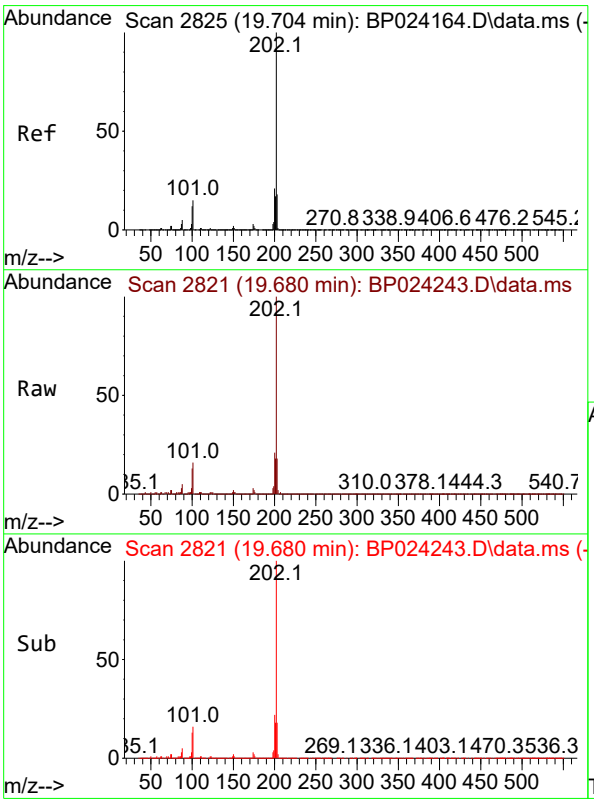

#77
Benzidine
Concen: 64.100 ng
RT: 19.504 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:184 Resp: 1020809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.4 | 11.8 | 17.6 |
| 183 | 11.5 | 9.1 | 13.7 |

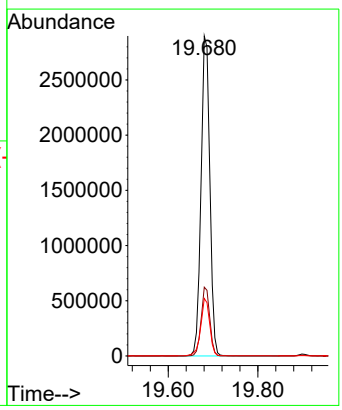


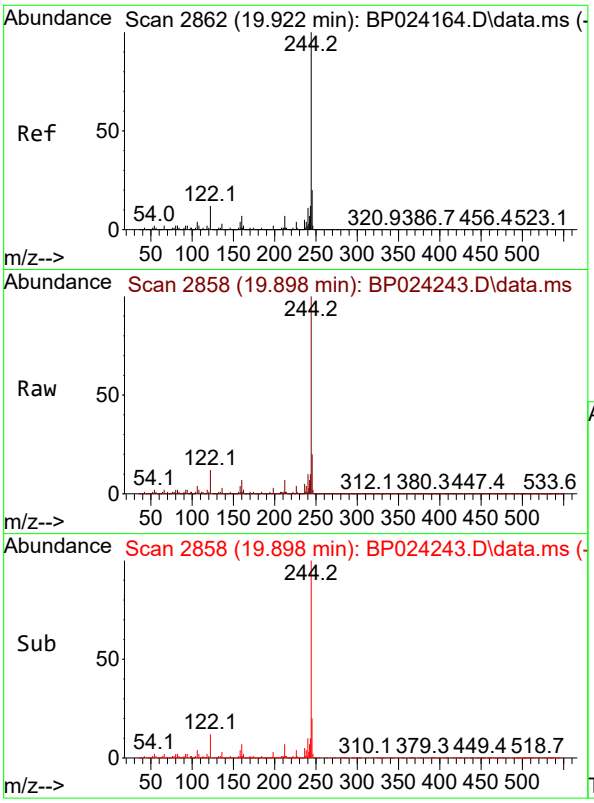




#78
Pyrene
Concen: 43.543 ng
RT: 19.680 min Scan# 2821
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:202 Resp: 3942980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.5 | 17.1 | 25.7 |
| 203 | 18.0 | 14.2 | 21.4 |



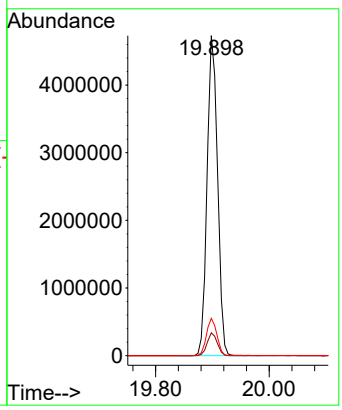


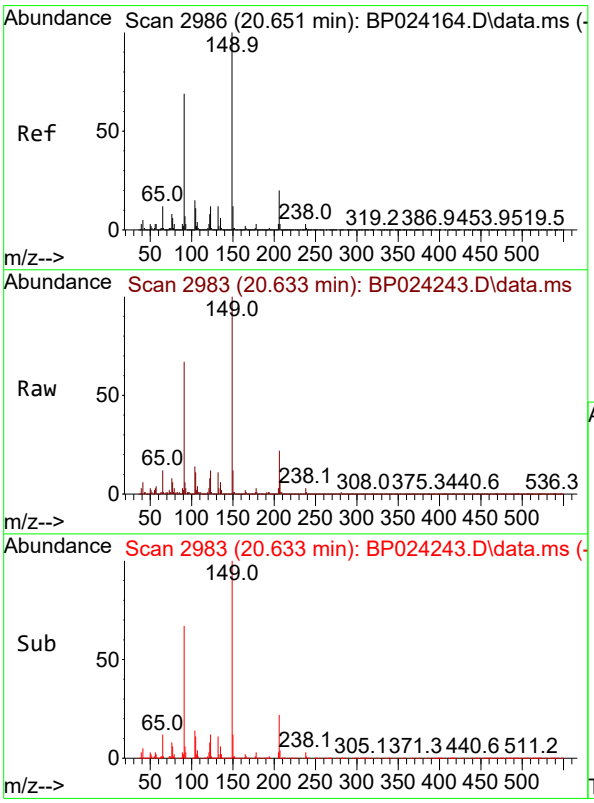

#79
Terphenyl-d14
Concen: 85.292 ng
RT: 19.898 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:244 Resp: 6018426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.7 | 8.5 |
| 122 | 11.6 | 9.6 | 14.4 |

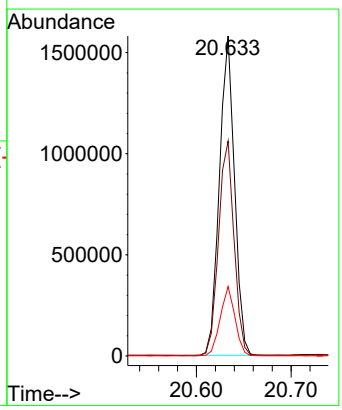


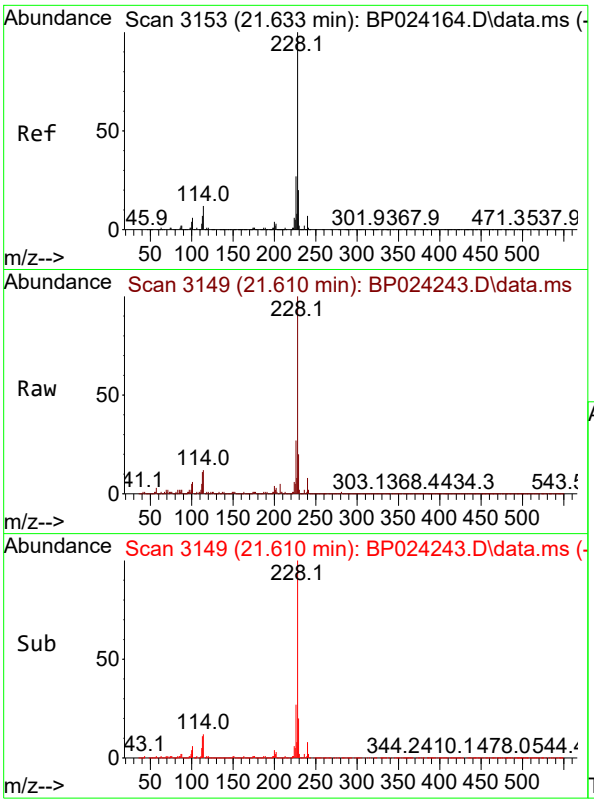




#80
Butylbenzylphthalate
Concen: 47.019 ng
RT: 20.633 min Scan# 2983
Delta R.T. -0.018 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:149 Resp: 1755848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 67.2 | 55.3 | 82.9 |
| 206 | 21.7 | 16.1 | 24.1 |



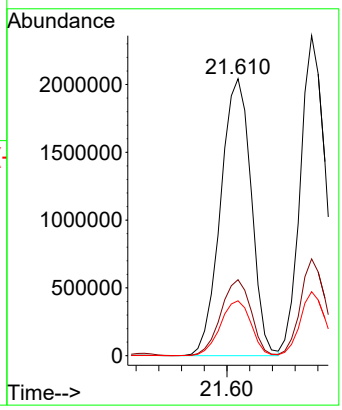


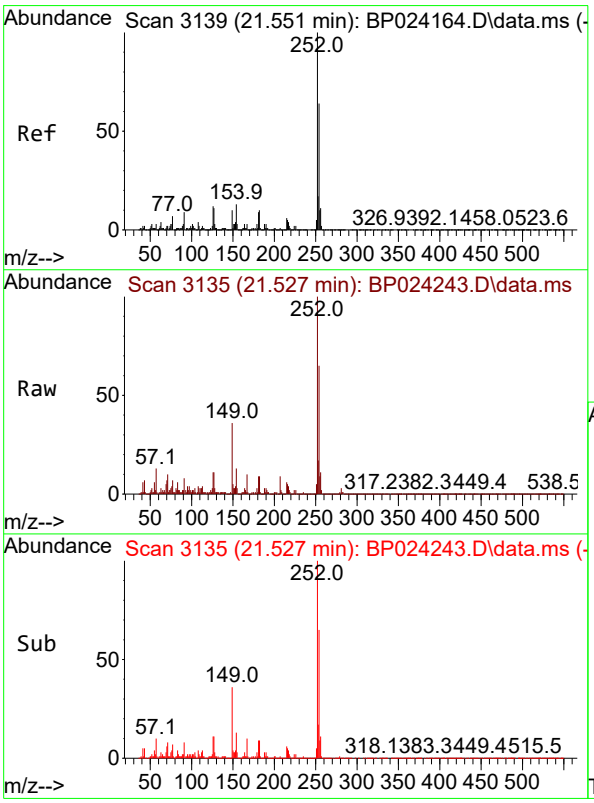

#81
Benzo(a)anthracene
Concen: 42.216 ng
RT: 21.610 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:228 Resp: 3823065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.5 | 21.8 | 32.8 |
| 229 | 19.8 | 16.0 | 24.0 |

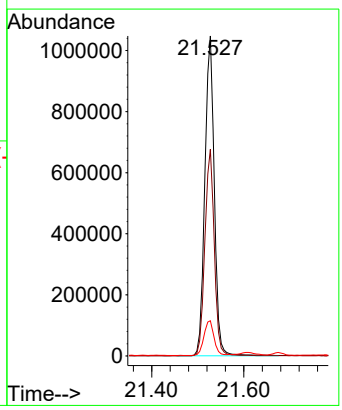


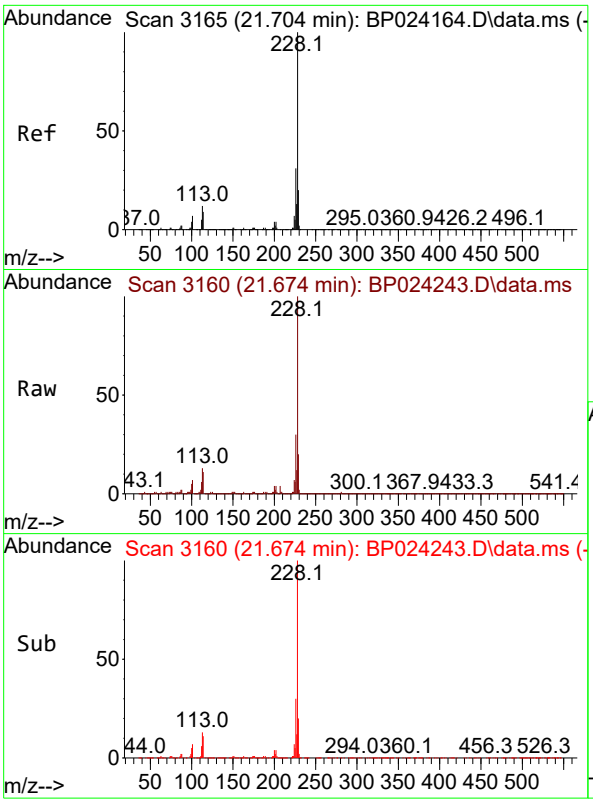




#82
3,3'-Dichlorobenzidine
Concen: 49.574 ng
RT: 21.527 min Scan# 3135
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:252 Resp: 1504645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.6 | 51.4 | 77.2 |
| 126 | 11.0 | 9.3 | 13.9 |



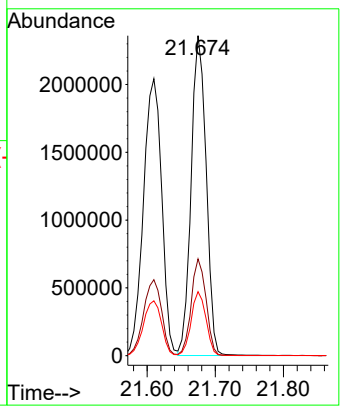


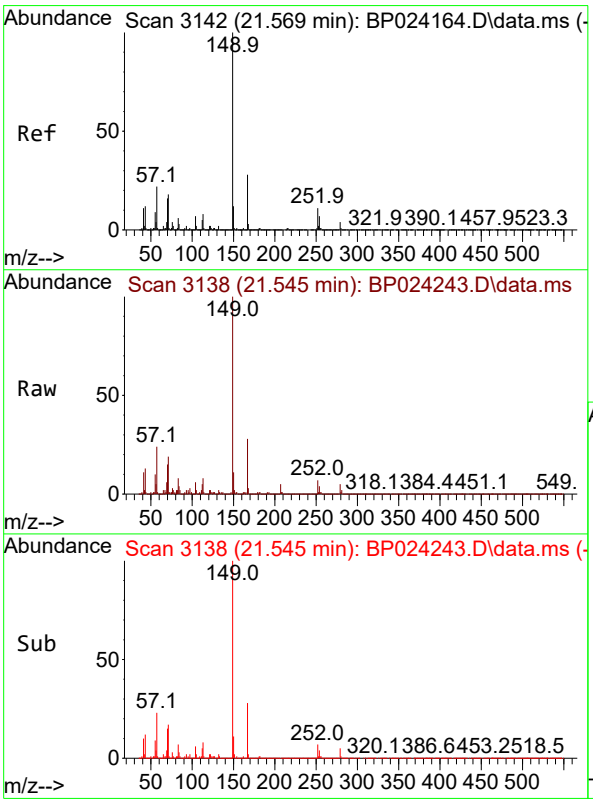

#83
Chrysene
Concen: 41.237 ng
RT: 21.674 min Scan# 3
Delta R.T. -0.029 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:228 Resp: 3589965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 24.5 | 36.7 |
| 229 | 20.0 | 16.2 | 24.2 |

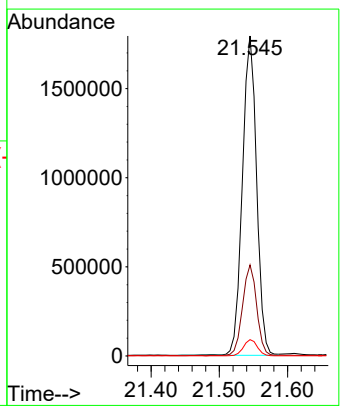


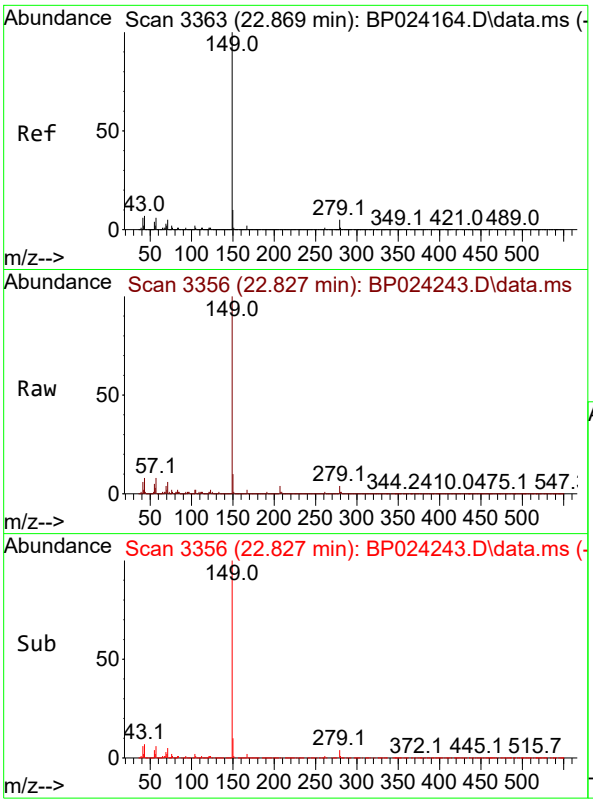




#84
Bis(2-ethylhexyl)phthalate
Concen: 45.881 ng
RT: 21.545 min Scan# 3138
Delta R.T. -0.024 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:149 Resp: 2585259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.4 | 22.5 | 33.7 |
| 279 | 5.1 | 3.6 | 5.4 |



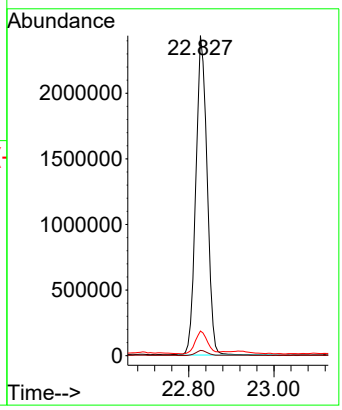


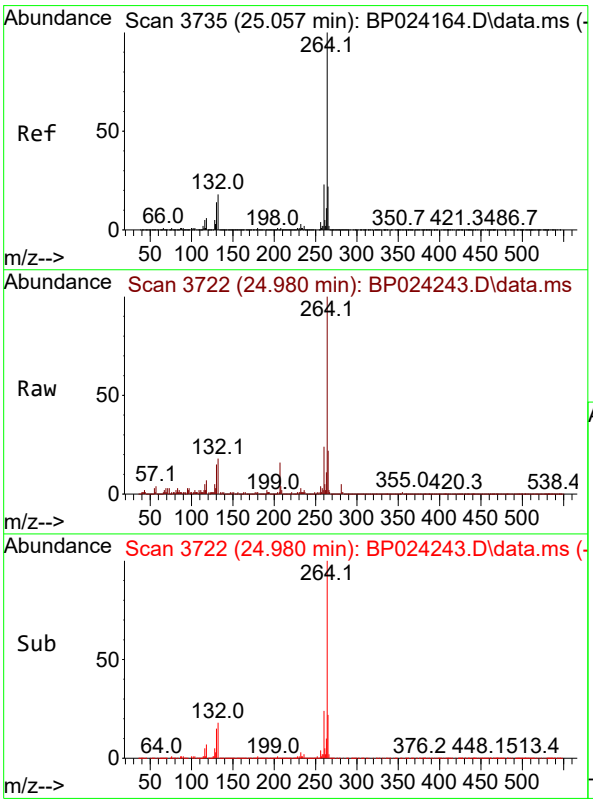

#85
Di-n-octyl phthalate
Concen: 49.446 ng
RT: 22.827 min Scan# 3
Delta R.T. -0.041 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:149 Resp: 4463969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 7.8 | 5.8 | 8.8 |

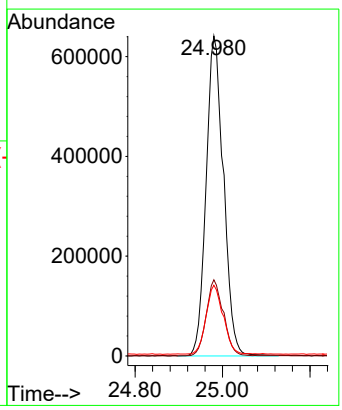


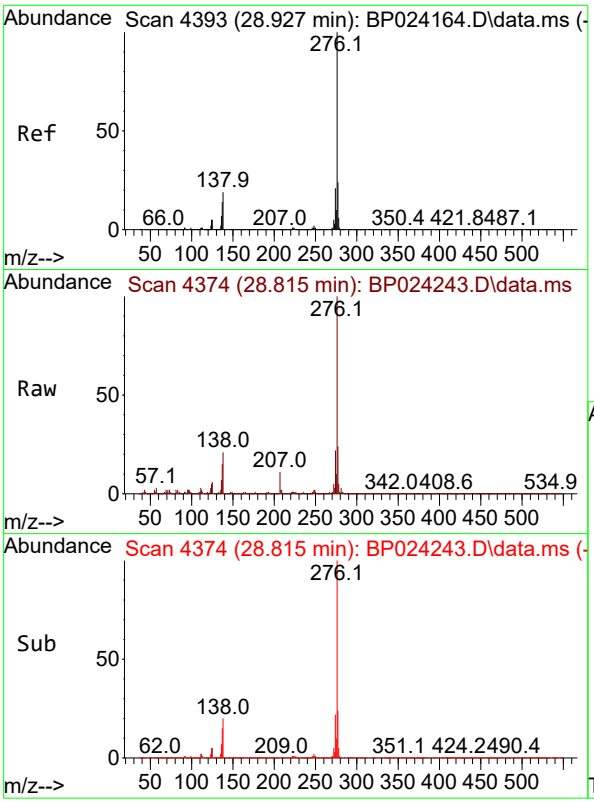




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.980 min Scan# 3722
Delta R.T. -0.077 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:264 Resp: 1774706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 18.5 | 27.7 |
| 265 | 22.1 | 17.7 | 26.5 |



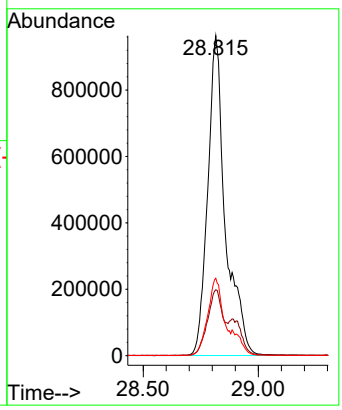


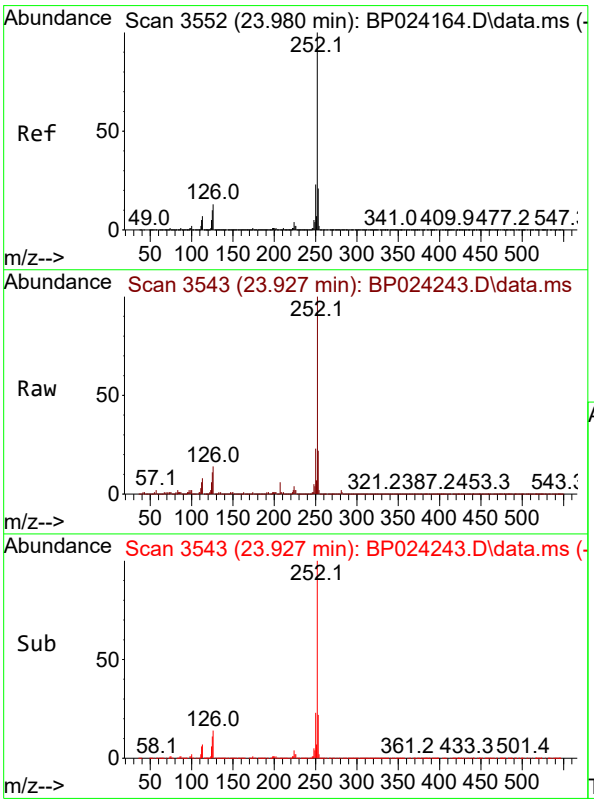

#87
Indeno(1,2,3-cd)pyrene
Concen: 41.648 ng
RT: 28.815 min Scan# 4
Delta R.T. -0.112 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:276 Resp: 5158569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.2 | 13.7 | 20.5 |
| 277 | 21.1 | 20.2 | 30.2 |

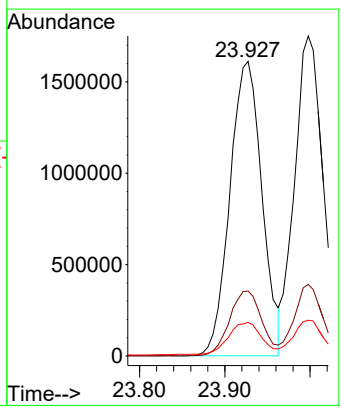


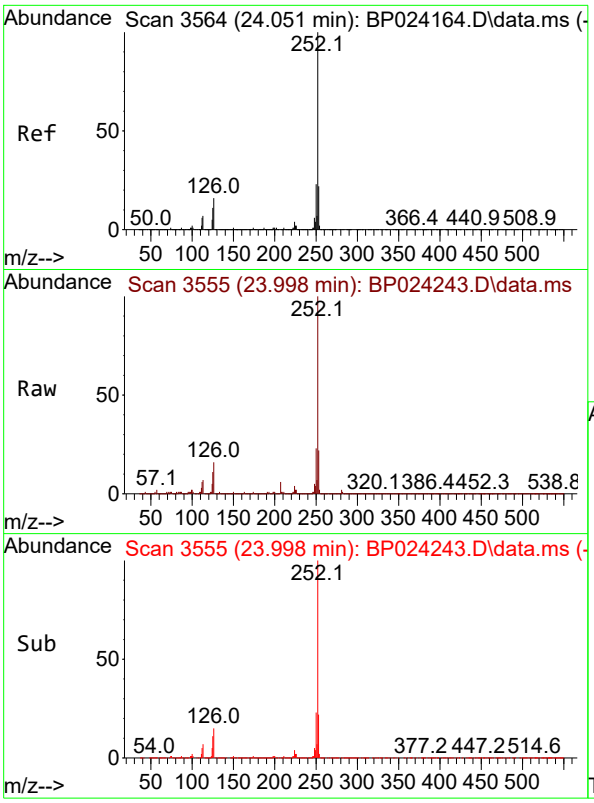




#88
Benzo(b)fluoranthene
Concen: 39.463 ng
RT: 23.927 min Scan# 3543
Delta R.T. -0.053 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:252 Resp: 4222660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.2 | 25.8 |
| 125 | 11.4 | 8.2 | 12.4 |



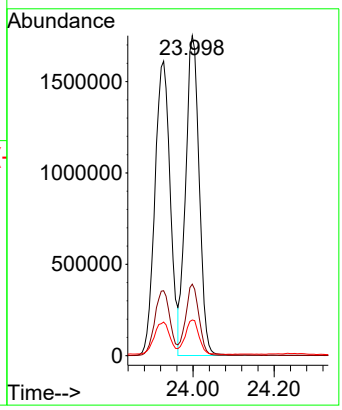


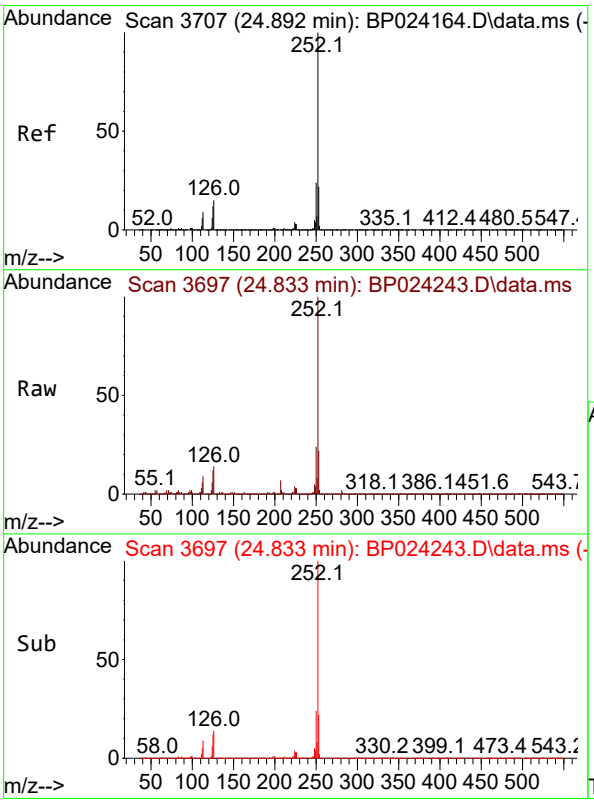

#89
Benzo(k)fluoranthene
Concen: 38.797 ng
RT: 23.998 min Scan# 3
Delta R.T. -0.053 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:252 Resp: 4060841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 17.7 | 26.5 |
| 125 | 11.1 | 9.1 | 13.7 |

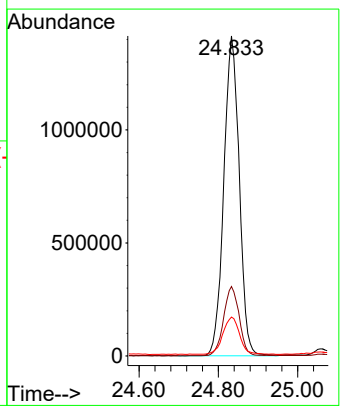


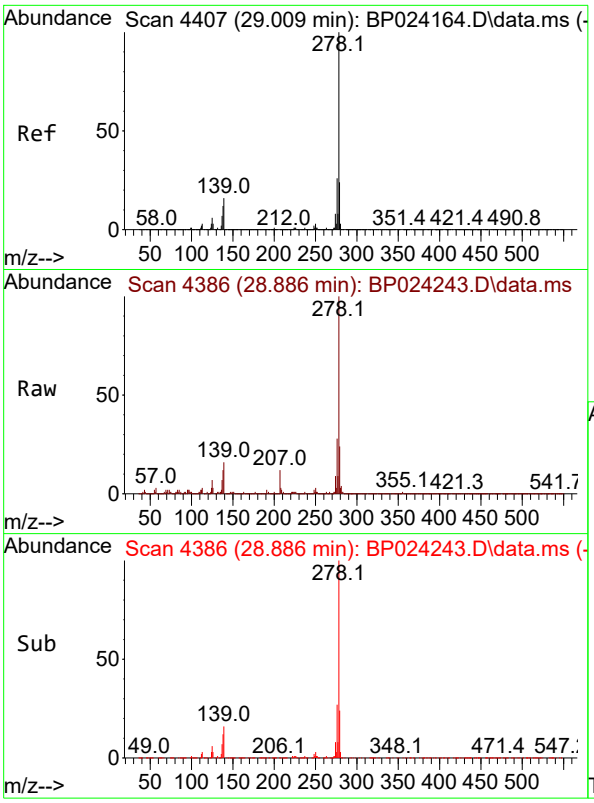




#90
Benzo(a)pyrene
Concen: 41.077 ng
RT: 24.833 min Scan# 3697
Delta R.T. -0.059 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:252 Resp: 3822119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.4 | 26.0 |
| 125 | 12.1 | 9.6 | 14.4 |



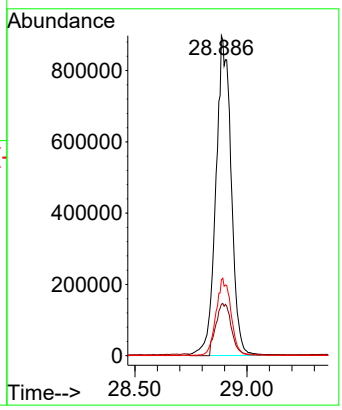


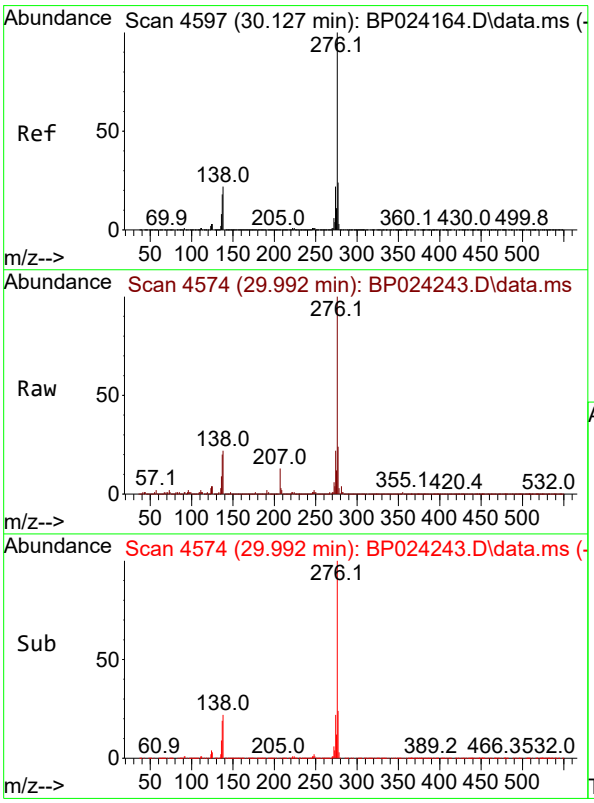

#91
Dibenzo(a,h)anthracene
Concen: 41.295 ng
RT: 28.886 min Scan# 4
Delta R.T. -0.124 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040EC

Tgt Ion:278 Resp: 4255246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.1 | 13.0 | 19.4 |
| 279 | 23.8 | 18.8 | 28.2 |




#92
Benzo(g,h,i)perylene
Concen: 21.766 ng
RT: 29.992 min Scan# 4574
Delta R.T. -0.135 min
Lab File: BP024243.D
Acq: 09 Apr 2025 20:24

Tgt Ion:276 Resp: 2279960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.9 | 19.2 | 28.8 |
| 138 | 22.4 | 17.4 | 26.2 |

