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# Cover Page

**Order ID :** Q1502

**Project ID :** NJ Waste Water PT

**Client :** Alliance Technical Group, LLC - Newark

| Lab Sample Number | Client Sample Number |
|---|---|
| Q1502-01 | PT-VOA-WP |
| Q1502-02 | PT-VOA-WP |
| Q1502-03 | PT-BN-WP |
| Q1502-04 | PT-BN-WP |
| Q1502-05 | PT-BN-WP |
| Q1502-06 | PT-ACIDS-WP |
| Q1502-07 | PT-ACIDS-WP |
| Q1502-08 | PT-ACIDS-WP |
| Q1502-09 | PT-PEST-WP |
| Q1502-10 | PT-PEST-WP |
| Q1502-11 | PT-CHLR-WP |
| Q1502-12 | PT-CHLR-WP |
| Q1502-13 | PT-TXP-WP |
| Q1502-14 | PT-TXP-WP |
| Q1502-15 | PT-PCBW-WP |
| Q1502-16 | PT-PCBW-WP |
| Q1502-17 | PT-HERB-WP |
| Q1502-18 | RR-GAS-WP |
| Q1502-19 | RR-DIES-WP |
| Q1502-20 | RR-8011-WP |
| Q1502-21 | RR-PAH-WP |
| Q1502-22 | RR-TRIAZINE-WP |

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: 4/1/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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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 |

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**APPENDIX A**

**QA REVIEW GENERAL DOCUMENTATION**

**Project #:** **Q1502**

| | 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:** **MAYUR DESAI** **Date:** **04/01/2025**

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q1502 | **OrderDate:** | 3/6/2025 10:04:07 AM |
| **Client:** | Alliance Technical Group, LLC - Newark | **Project:** | NJ Waste Water PT |
| **Contact:** | Mohammad Ahmed | **Location:** | QA Office,VOA Lab |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q1502-03** | **PT-BN-WP** | **Water** | | | **03/03/25** | | | **03/05/25** |
| | | | SVOCMS Group1 | 8270E | | 03/12/25 | 03/13/25 | |
| **Q1502-03DL** | **PT-BN-WPDL** | **Water** | | | **03/03/25** | | | **03/05/25** |
| | | | SVOCMS Group1 | 8270E | | 03/12/25 | 03/13/25 | |
| **Q1502-05** | **PT-BN-WP** | **Water** | | | **03/03/25** | | | **03/05/25** |
| | | | SVOCMS Group3 | 8270-Modified | | 03/13/25 | 03/14/25 | |
| **Q1502-05DL** | **PT-BN-WPDL** | **Water** | | | **03/03/25** | | | **03/05/25** |
| | | | SVOCMS Group3 | 8270-Modified | | 03/13/25 | 03/14/25 | |
| **Q1502-06** | **PT-ACIDS-WP** | **Water** | | | **03/03/25** | | | **03/05/25** |
| | | | SVOCMS Group2 | 8270E | | 03/12/25 | 03/13/25 | |
| **Q1502-06DL** | **PT-ACIDS-WPDL** | **Water** | | | **03/03/25** | | | **03/05/25** |
| | | | SVOCMS Group2 | 8270E | | 03/12/25 | 03/13/25 | |
| **Q1502-08** | **PT-ACIDS-WP** | **Water** | | | **03/03/25** | | | **03/05/25** |
| | | | SVOCMS Group4 | 8270-Modified | | 03/13/25 | 03/14/25 | |
| **Q1502-08DL** | **PT-ACIDS-WPDL** | **Water** | | | **03/03/25** | | | **03/05/25** |
| | | | SVOCMS Group4 | 8270-Modified | | 03/13/25 | 03/14/25 | |
| **Q1502-21** | **RR-PAH-WP** | **Water** | | | **03/03/25** | | | **03/05/25** |
| | | | SVOCMS Group5 | 8270-Modified | | 03/13/25 | 03/14/25 | |
| **Q1502-21DL** | **RR-PAH-WPDL** | **Water** | | | **03/03/25** | | | **03/05/25** |
| | | | SVOCMS Group5 | 8270-Modified | | 03/13/25 | 03/14/25 | |
| **Q1502-22** | **RR-TRIAZINE-WP** | **Water** | | | **03/07/25** | | | **03/11/25** |
| | | | SVOCMS Group1 | | | 03/12/25 | 03/13/25 | |
| | | | SVOCMS Group6 | 8270E | | 03/12/25 | 03/13/25 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q1502

**Client:** Alliance Technical Group, LLC - Newark

| Sample ID | Client ID | | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID :** | **RR-TRIAZINE-WP** | | | | | | | |
| Q1502-22 | RR-TRIAZINE-WP | WATER | Atrazine | 25.300 | Q | 1 | 5 | ug/L |
| | | | **Total Svoc :** | | | **25.30** | | |
| | | | **Total Concentration:** | | | **25.30** | | |




# QC SUMMARY

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# Surrogate Summary

**SW-846**

**SDG No.:** Q1502

**Client:** Alliance Technical Group, LLC - Newark

**Analytical Method:** 8270E

| Lab Sample ID | Client ID | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|
| PB167097BL | PB167097BL | Nitrobenzene-d5 | 100 | 93.3 | 93 | | 49 | 133 |
| | | 2-Fluorobiphenyl | 100 | 90.0 | 90 | | 52 | 132 |
| | | Terphenyl-d14 | 100 | 87.3 | 87 | | 48 | 125 |
| PB167097BS | PB167097BS | Nitrobenzene-d5 | 100 | 98.6 | 99 | | 49 | 133 |
| | | 2-Fluorobiphenyl | 100 | 97.8 | 98 | | 52 | 132 |
| | | Terphenyl-d14 | 100 | 105 | 105 | | 48 | 125 |
| PB167097BSD | PB167097BSD | Nitrobenzene-d5 | 100 | 93.2 | 93 | | 49 | 133 |
| | | 2-Fluorobiphenyl | 100 | 93.8 | 94 | | 52 | 132 |
| | | Terphenyl-d14 | 100 | 101 | 101 | | 48 | 125 |
| Q1502-22 | RR-TRIAZINE-WP | Nitrobenzene-d5 | 100 | 109 | 109 | | 49 | 133 |
| | | 2-Fluorobiphenyl | 100 | 110 | 110 | | 52 | 132 |
| | | Terphenyl-d14 | 100 | 123 | 123 | | 48 | 125 |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1502

**Client:** Alliance Technical Group, LLC - Newark

**Analytical Method:** 8270E **DataFile:** BF141941.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB167097BS | Atrazine | 50 | 61.7 | ug/L | 123 | | * | | 76 | 120 | |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1502

**Client:** Alliance Technical Group, LLC - Newark

**Analytical Method:** 8270E **DataFile:** BF141942.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB167097BSD | Atrazine | 50 | 59.1 | ug/L | 118 | 4 | | | 76 | 120 | 20 |

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4B

# SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167097BL

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

Lab File ID: BF141940.D Lab Sample ID: PB167097BL

Instrument ID: BNA_F Date Extracted: 03/12/2025

Matrix: (soil/water) Water Date Analyzed: 03/13/2025

Level: (low/med) LOW Time Analyzed: 12:47

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| PB167097BS | PB167097BS | BF141941.D | 03/13/2025 |
| PB167097BSD | PB167097BSD | BF141942.D | 03/13/2025 |
| RR-TRIAZINE-WP | Q1502-22 | BP024177.D | 03/13/2025 |

COMMENTS:

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**5B**

**SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK**
**DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)**

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM SAS No.: Q1502 SDG NO.: Q1502

Lab File ID: BF141896.D DFTPP Injection Date: 03/10/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:31

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 22.7 |
| 68 | Less than 2.0% of mass 69 | 0.5 ( 1.9 ) 1 |
| 69 | Mass 69 relative abundance | 25 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.7 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 35 |
| 197 | Less than 2.0% of mass 198 | 0.0 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 5.3 |
| 275 | 10.0 - 60.0% of mass 198 | 24.4 |
| 365 | Greater than 1% of mass 198 | 3.3 |
| 441 | Present, but less than mass 443 | 15.5 |
| 442 | Greater than 50% of mass 198 | 100 |
| 443 | 15.0 - 24.0% of mass 442 | 19.2 (19.2) 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 | BF141897.D | 03/10/2025 | 11:01 |
| SSTDICC005 | SSTDICC005 | BF141898.D | 03/10/2025 | 11:30 |
| SSTDICC010 | SSTDICC010 | BF141899.D | 03/10/2025 | 12:00 |
| SSTDICC020 | SSTDICC020 | BF141900.D | 03/10/2025 | 12:29 |
| SSTDICCC040 | SSTDICCC040 | BF141901.D | 03/10/2025 | 12:58 |
| SSTDICC060 | SSTDICC060 | BF141903.D | 03/10/2025 | 13:57 |
| SSTDICC080 | SSTDICC080 | BF141904.D | 03/10/2025 | 14:27 |
| SSTDICC050 | SSTDICC050 | BF141905.D | 03/10/2025 | 15:20 |

Raw Data: **BF141938.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM SAS No.: Q1502 SDG NO.: Q1502

Lab File ID: BF141938.D DFTPP Injection Date: 03/13/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:48

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 29.8 |
| 68 | Less than 2.0% of mass 69 | 0.6 ( 1.8 ) 1 |
| 69 | Mass 69 relative abundance | 31.6 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.6 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 44 |
| 197 | Less than 2.0% of mass 198 | 0.0 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 6.2 |
| 275 | 10.0 - 60.0% of mass 198 | 27.8 |
| 365 | Greater than 1% of mass 198 | 3.8 |
| 441 | Present, but less than mass 443 | 15.3 |
| 442 | Greater than 50% of mass 198 | 100 |
| 443 | 15.0 - 24.0% of mass 442 | 19.1 (19.1) 2 |

1-Value is % mass 69 2-Value is % mass 442

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDCCC040 | SSTDCCC040 | BF141939.D | 03/13/2025 | 12:17 |
| PB167097BL | PB167097BL | BF141940.D | 03/13/2025 | 12:47 |
| PB167097BS | PB167097BS | BF141941.D | 03/13/2025 | 13:17 |
| PB167097BSD | PB167097BSD | BF141942.D | 03/13/2025 | 13:47 |

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM SAS No.: Q1502 SDG NO.: Q1502

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 | 94.8 |
| 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: ALLI03

Lab Code: CHEM SAS No.: Q1502 SDG NO.: Q1502

Lab File ID: BP024170.D DFTPP Injection Date: 03/13/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:41

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 29 |
| 68 | Less than 2.0% of mass 69 | 0.5 ( 1.5 ) 1 |
| 69 | Mass 69 relative abundance | 35.2 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.6 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 46.9 |
| 197 | Less than 2.0% of mass 198 | 0.1 |
| 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 | 27.6 |
| 365 | Greater than 1% of mass 198 | 3.6 |
| 441 | Present, but less than mass 443 | 14.2 |
| 442 | Greater than 50% of mass 198 | 92.1 |
| 443 | 15.0 - 24.0% of mass 442 | 17.7 (19.2) 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 | BP024171.D | 03/13/2025 | 10:22 |
| RR-TRIAZINE-WP | Q1502-22 | BP024177.D | 03/13/2025 | 16:40 |

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/13/2025

Lab File ID: BF141939.D Time Analyzed: 12:17

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

| | | IS1 (DCB) AREA # | RT # | IS2 (NPT) AREA # | RT # | IS3 (ANT) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 198004 | 6.875 | 767232 | 8.16 | 426931 | 9.91 |
| | UPPER LIMIT | 396008 | 7.375 | 1534460 | 8.657 | 853862 | 10.41 |
| | LOWER LIMIT | 99002 | 6.375 | 383616 | 7.657 | 213466 | 9.41 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB167097BL | 176773 | 6.88 | 705846 | 8.16 | 407739 | 9.91 |
| 02 | PB167097BS | 167779 | 6.88 | 666660 | 8.16 | 381133 | 9.92 |
| 03 | PB167097BSD | 178366 | 6.88 | 702401 | 8.16 | 401749 | 9.92 |

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.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/13/2025

Lab File ID: BF141939.D Time Analyzed: 12:17

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

| | | IS4 (PHN) AREA # | RT # | IS5 (CRY) AREA # | RT # | IS6 (PRY) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 726402 | 11.398 | 451214 | 14.033 | 394917 | 15.504 |
| | UPPER LIMIT | 1452800 | 11.898 | 902428 | 14.533 | 789834 | 16.004 |
| | LOWER LIMIT | 363201 | 10.898 | 225607 | 13.533 | 197459 | 15.004 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB167097BL | 769835 | 11.39 | 601564 | 14.03 | 427331 | 15.50 |
| 02 | PB167097BS | 657343 | 11.40 | 424407 | 14.04 | 370791 | 15.50 |
| 03 | PB167097BSD | 683407 | 11.40 | 437316 | 14.03 | 392710 | 15.50 |

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.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/13/2025

Lab File ID: BP024171.D Time Analyzed: 10:22

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 | 330996 | 7.764 | 1338420 | 10.55 | 811311 | 14.41 |
| | UPPER LIMIT | 661992 | 8.264 | 2676840 | 11.046 | 1622620 | 14.91 |
| | LOWER LIMIT | 165498 | 7.264 | 669210 | 10.046 | 405656 | 13.91 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | RR-TRIAZINE-WP | 312754 | 7.75 | 1244600 | 10.54 | 732609 | 14.40 |

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG NO.: Q1502

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/13/2025

Lab File ID: BP024171.D Time Analyzed: 10:22

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 | 1560240 | 17.216 | 1695900 | 21.675 | 1872320 | 25.063 |
| | UPPER LIMIT | 3120480 | 17.716 | 3391800 | 22.175 | 3744640 | 25.563 |
| | LOWER LIMIT | 780120 | 16.716 | 847950 | 21.175 | 936160 | 24.563 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | RR-TRIAZINE-WP | 1407500 | 17.21 | 1442020 | 21.67 | 1581010 | 25.07 |

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

Raw Data: **BP024177.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Alliance Technical Group, LLC - Newark | Date Collected: | 03/07/25 |
| Project: | NJ Waste Water PT | Date Received: | 03/11/25 |
| Client Sample ID: | RR-TRIAZINE-WP | SDG No.: | Q1502 |
| Lab Sample ID: | Q1502-22 | Matrix: | Water |
| Analytical Method: | SW8270 | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group6 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP024177.D | 1 | 03/12/25 08:45 | 03/13/25 16:40 | PB167097 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 1912-24-9 | Atrazine | 25.3 | Q | 1.00 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 4165-60-0 | Nitrobenzene-d5 | 109 | | 49 - 133 | 109% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 110 | | 52 - 132 | 110% | SPK: 100 |
| 1718-51-0 | Terphenyl-d14 | 123 | | 48 - 125 | 123% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 313000 | 7.752 | | | |
| 1146-65-2 | Naphthalene-d8 | 1240000 | 10.54 | | | |
| 15067-26-2 | Acenaphthene-d10 | 733000 | 14.404 | | | |
| 1517-22-2 | Phenanthrene-d10 | 1410000 | 17.21 | | | |
| 1719-03-5 | Chrysene-d12 | 1440000 | 21.669 | | | |
| 1520-96-3 | Perylene-d12 | 1580000 | 25.074 | | | |

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\BP031325\
Data File : BP024177.D
Acq On : 13 Mar 2025 16:40
Operator : RC/JU
Sample : Q1502-22
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RR-TRIAZINE-WP

Quant Time: Mar 14 10:51:32 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

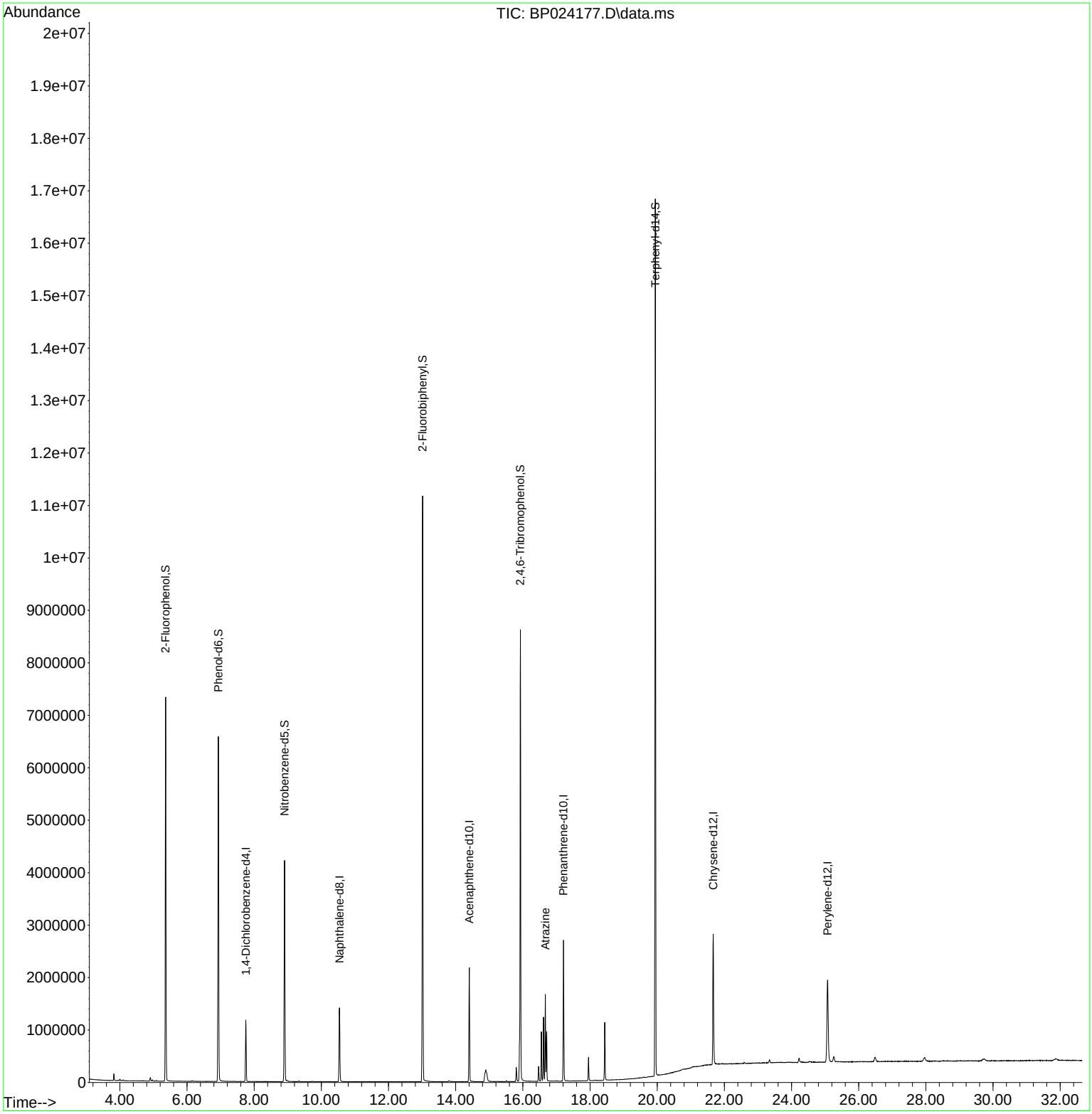
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.752 | 152 | 312754 | 20.000 | ng | -0.02 |
| 21) Naphthalene-d8 | 10.540 | 136 | 1244604 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10 | 14.404 | 164 | 732609 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.210 | 188 | 1407496 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.669 | 240 | 1442018 | 20.000 | ng | 0.01 |
| 86) Perylene-d12 | 25.074 | 264 | 1581008 | 20.000 | ng | 0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.363 | 112 | 3207385 | 163.704 | ng | -0.02 |
| 7) Phenol-d6 | 6.934 | 99 | 4147694 | 158.306 | ng | -0.02 |
| 23) Nitrobenzene-d5 | 8.904 | 82 | 2413674 | 109.418 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 15.928 | 330 | 1540833 | 166.971 | ng | 0.01 |
| 45) 2-Fluorobiphenyl | 13.016 | 172 | 5464938 | 109.993 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.945 | 244 | 8575199 | 122.752 | ng | 0.02 |
| Target Compounds | | | | | | Qvalue |
| 69) Atrazine | 16.669 | 200 | 261211 | 25.320 | ng | 98 |

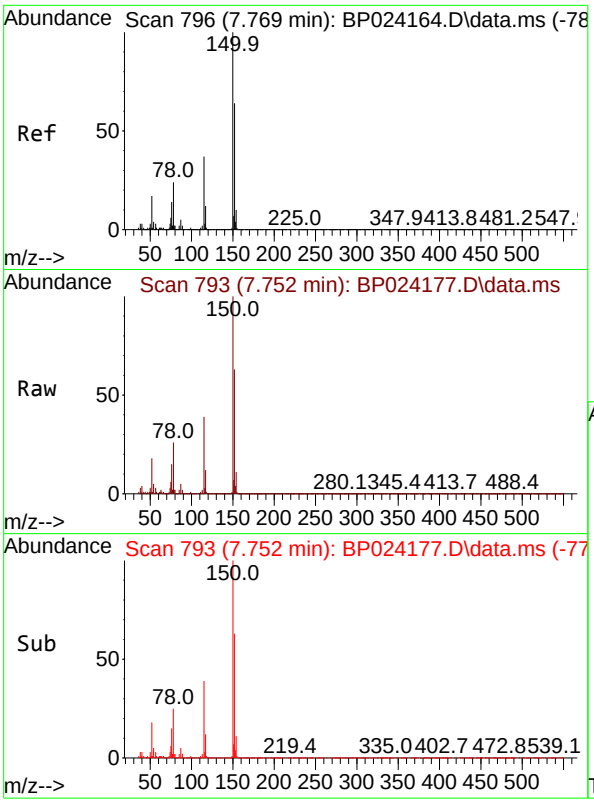
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031325\
Data File : BP024177.D
Acq On : 13 Mar 2025 16:40
Operator : RC/JU
Sample : Q1502-22
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RR-TRIAZINE-WP

Quant Time: Mar 14 10:51:32 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



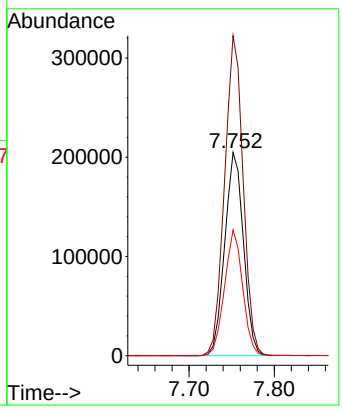


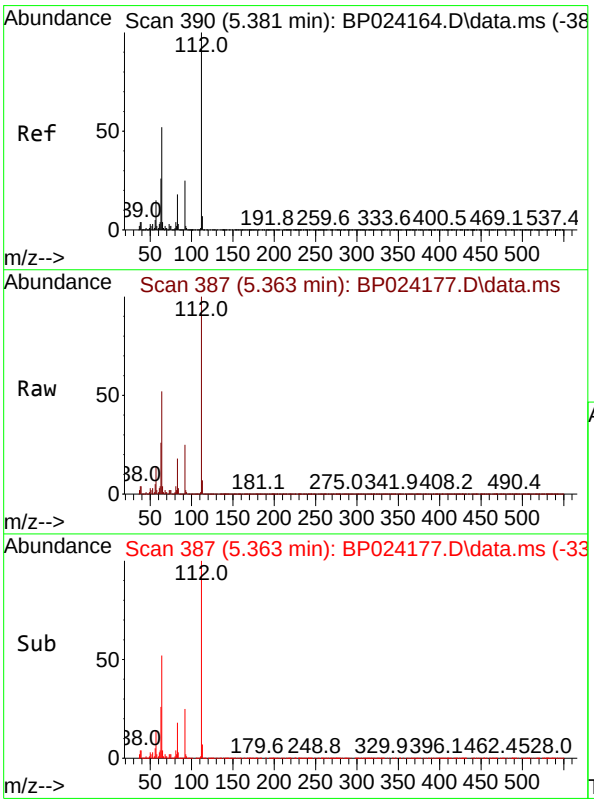

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.752 min Scan# 7
Delta R.T. -0.017 min
Lab File: BP024177.D
Acq: 13 Mar 2025 16:40

**Instrument :**
BNA_P
**ClientSampleId :**
RR-TRIAZINE-WP

Tgt Ion:152 Resp: 312754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.5 | 125.5 | 188.3 |
| 115 | 61.8 | 46.3 | 69.5 |

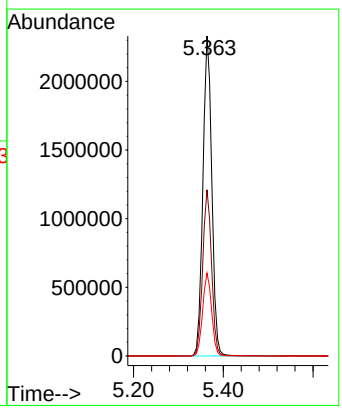


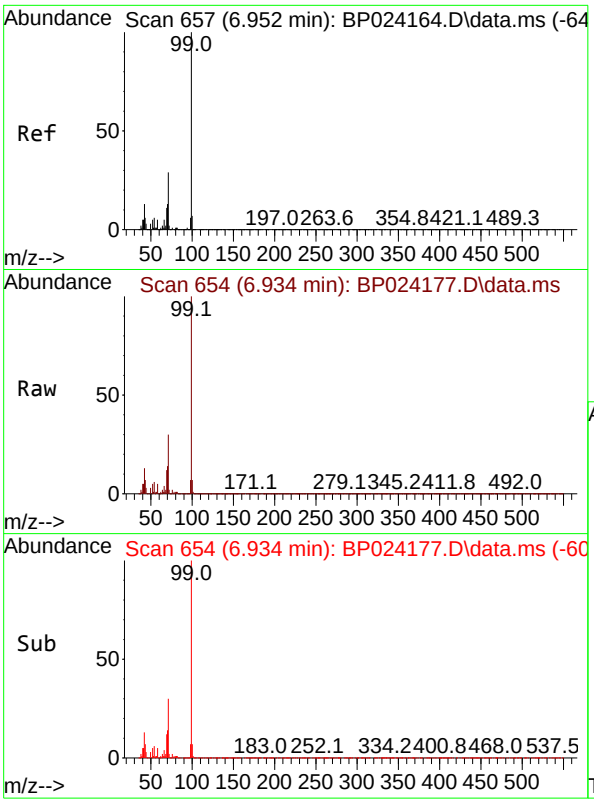




#5
2-Fluorophenol
Concen: 163.704 ng
RT: 5.363 min Scan# 387
Delta R.T. -0.018 min
Lab File: BP024177.D
Acq: 13 Mar 2025 16:40

Tgt Ion:112 Resp: 3207385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.0 | 41.3 | 61.9 |
| 63 | 25.9 | 20.6 | 31.0 |



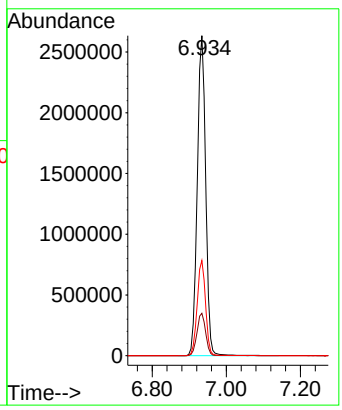


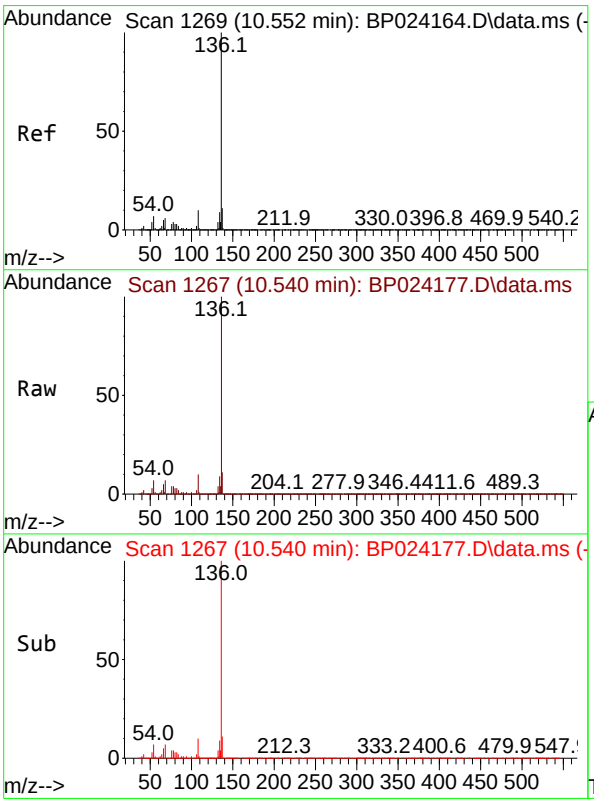

#7
Phenol-d6
Concen: 158.306 ng
RT: 6.934 min Scan# 6
Delta R.T. -0.018 min
Lab File: BP024177.D
Acq: 13 Mar 2025 16:40

**Instrument :**
BNA_P
**ClientSampleId :**
RR-TRIAZINE-WP

Tgt Ion: 99 Resp: 4147694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.2 | 10.6 | 16.0 |
| 71 | 29.8 | 23.3 | 34.9 |

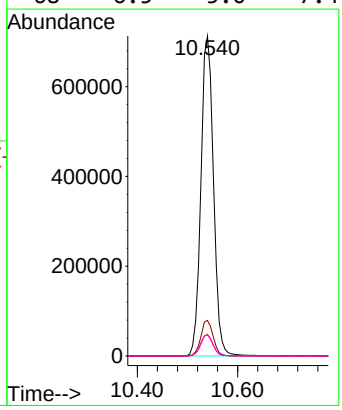


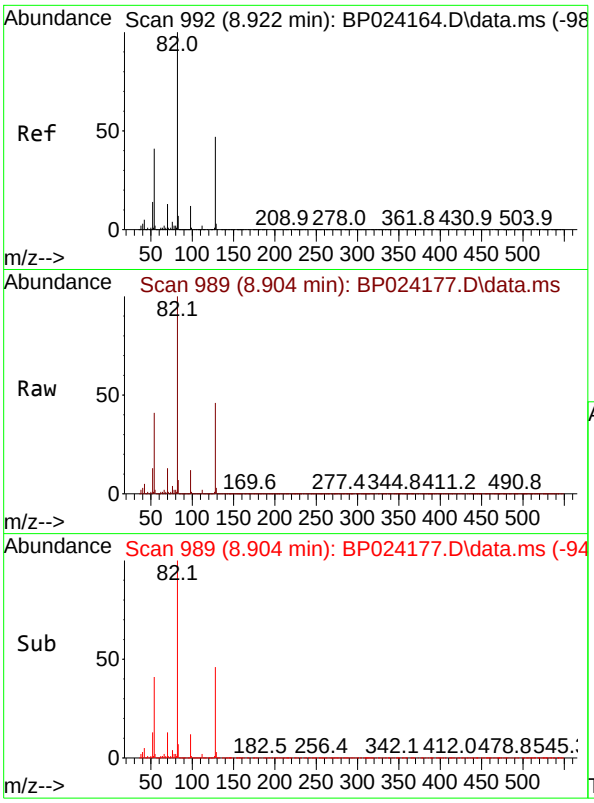




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1267
Delta R.T. -0.012 min
Lab File: BP024177.D
Acq: 13 Mar 2025 16:40

Tgt Ion:136 Resp: 1244604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 9.0 | 13.4 |
| 54 | 6.8 | 5.3 | 7.9 |
| 68 | 6.5 | 5.0 | 7.4 |



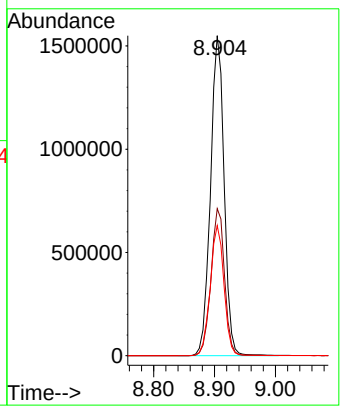


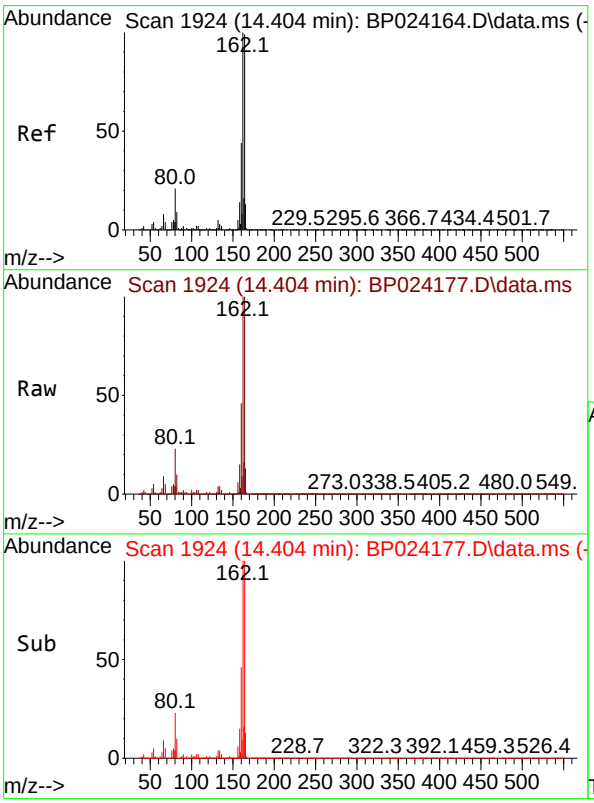

#23
Nitrobenzene-d5
Concen: 109.418 ng
RT: 8.904 min Scan# 9
Delta R.T. -0.018 min
Lab File: BP024177.D
Acq: 13 Mar 2025 16:40

**Instrument :**
BNA_P
**ClientSampleId :**
RR-TRIAZINE-WP

Tgt Ion: 82 Resp: 2413674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.9 | 37.4 | 56.0 |
| 54 | 40.7 | 32.5 | 48.7 |

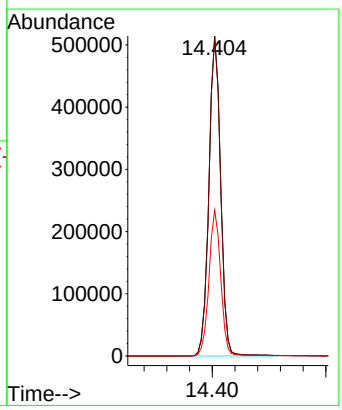


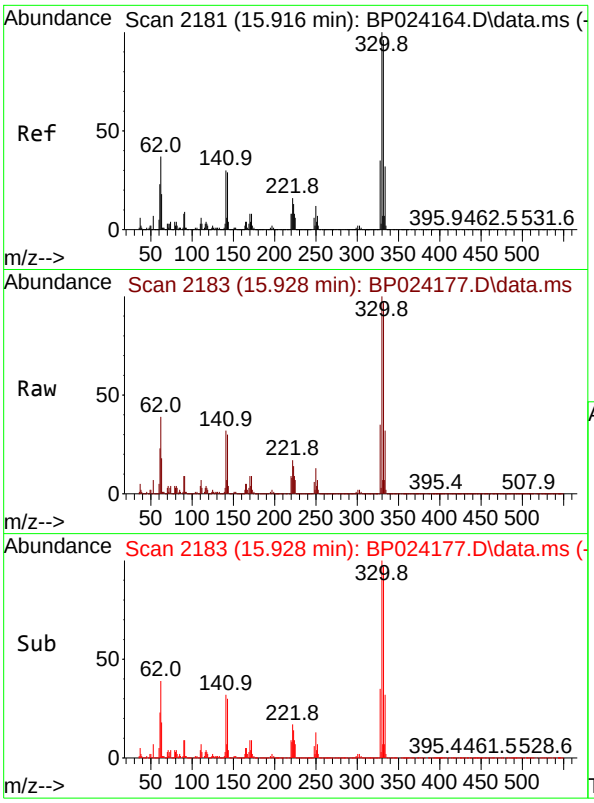




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BP024177.D
Acq: 13 Mar 2025 16:40

Tgt Ion:164 Resp: 732609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.6 | 80.6 | 121.0 |
| 160 | 45.5 | 35.4 | 53.2 |



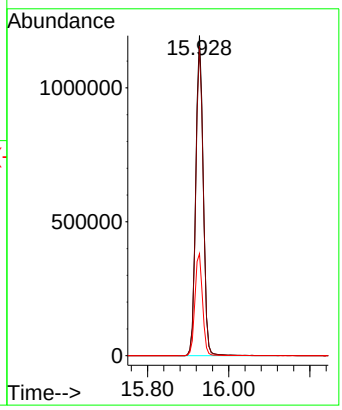


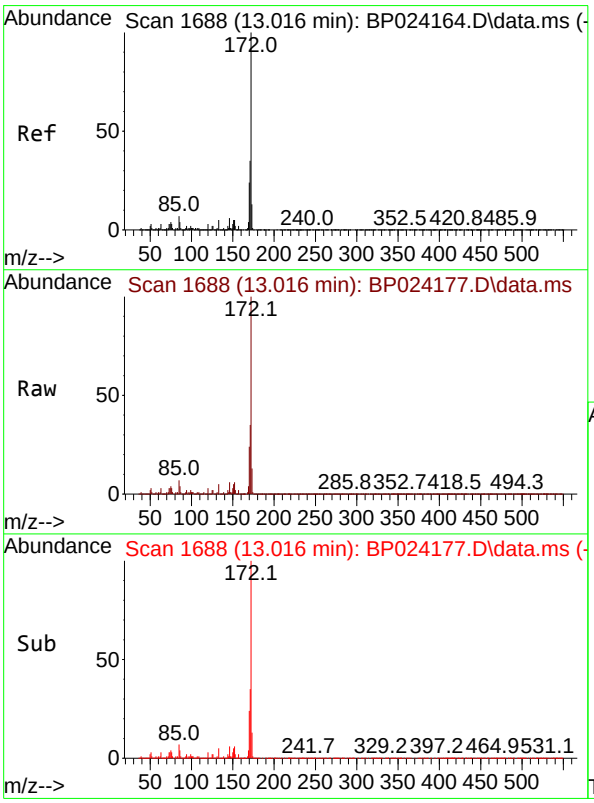

#42
2,4,6-Tribromophenol
Concen: 166.971 ng
RT: 15.928 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024177.D
Acq: 13 Mar 2025 16:40

**Instrument :**
BNA_P
**ClientSampleId :**
RR-TRIAZINE-WP

Tgt Ion:330 Resp: 1540833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.0 | 77.6 | 116.4 |
| 141 | 32.5 | 25.0 | 37.6 |

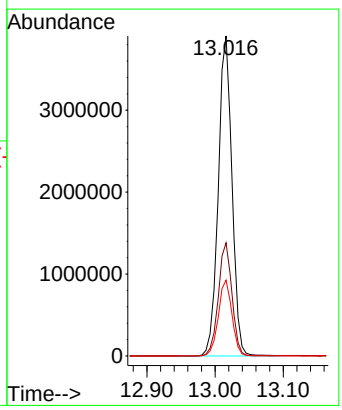


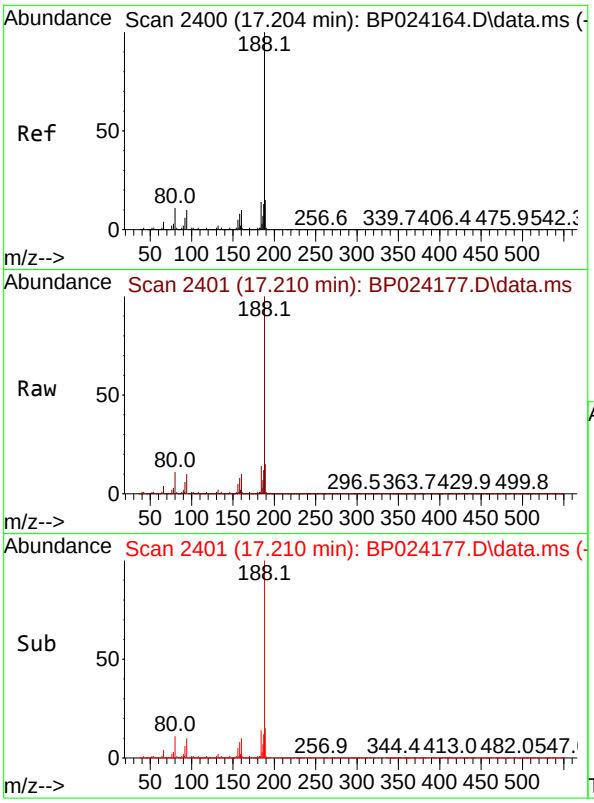




#45
2-Fluorobiphenyl
Concen: 109.993 ng
RT: 13.016 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BP024177.D
Acq: 13 Mar 2025 16:40

Tgt Ion:172 Resp: 5464938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 28.3 | 42.5 |
| 170 | 23.7 | 19.0 | 28.4 |



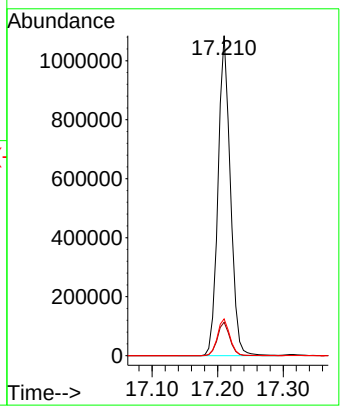


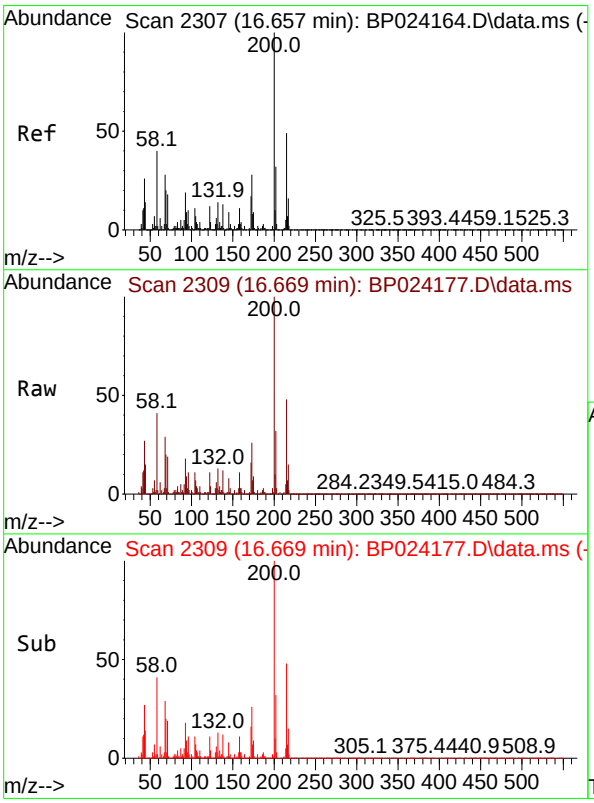

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024177.D
Acq: 13 Mar 2025 16:40

**Instrument :**
BNA_P
**ClientSampleId :**
RR-TRIAZINE-WP

Tgt Ion:188 Resp: 1407496

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

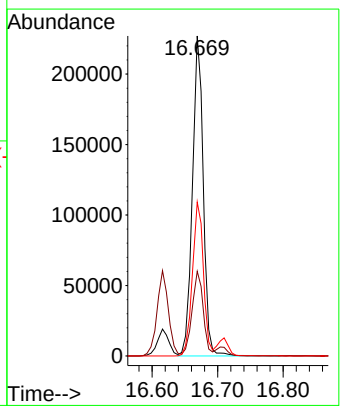


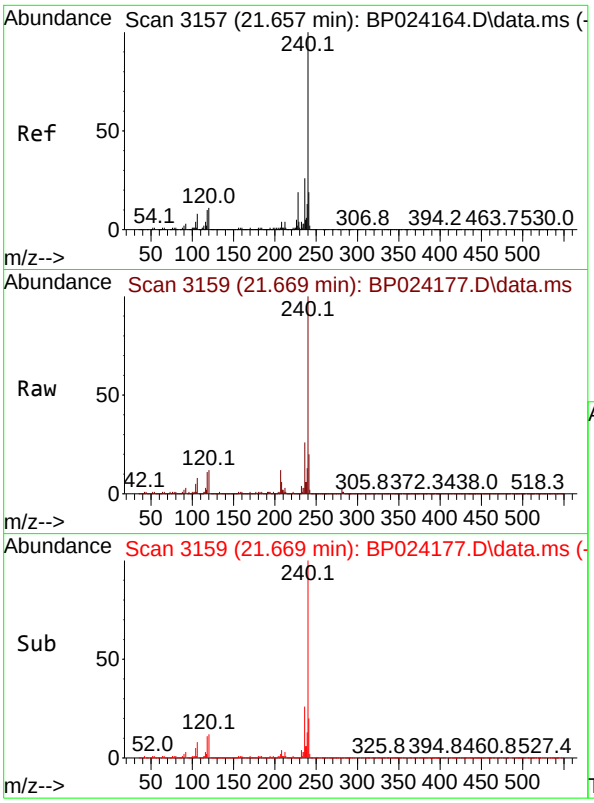




#69
Atrazine
Concen: 25.320 ng
RT: 16.669 min Scan# 2309
Delta R.T. 0.012 min
Lab File: BP024177.D
Acq: 13 Mar 2025 16:40

Tgt Ion:200 Resp: 261211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 26.5 | 7.6 | 47.6 |
| 215 | 48.1 | 29.0 | 69.0 |



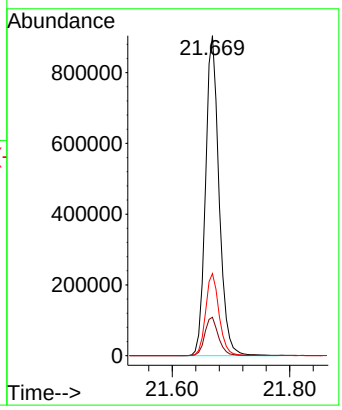


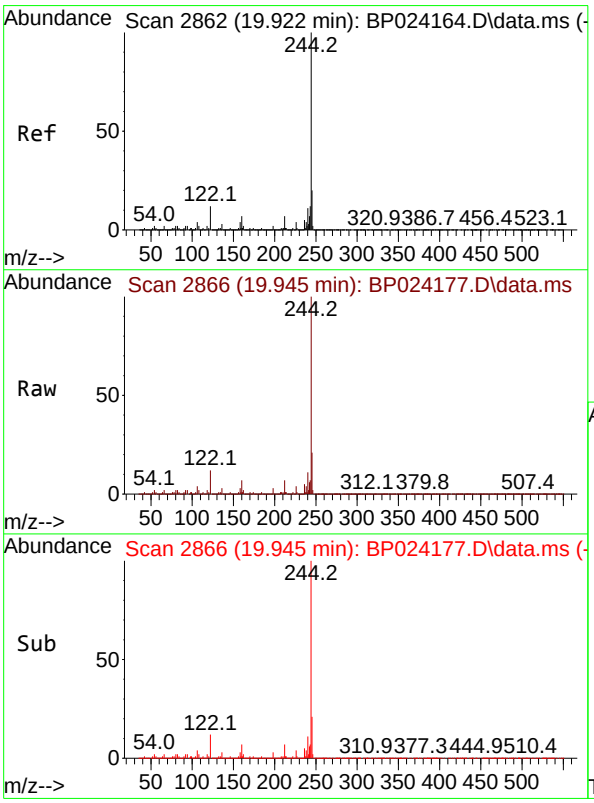

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.669 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024177.D
Acq: 13 Mar 2025 16:40

**Instrument :**
BNA_P
**ClientSampleId :**
RR-TRIAZINE-WP

Tgt Ion:240 Resp: 1442018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.0 | 9.2 | 13.8 |
| 236 | 25.7 | 20.4 | 30.6 |

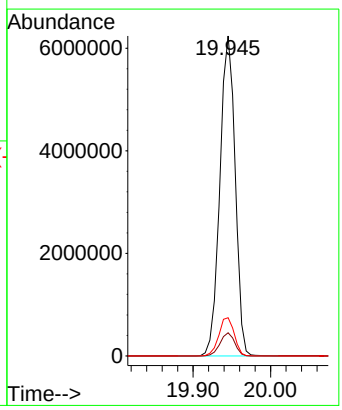


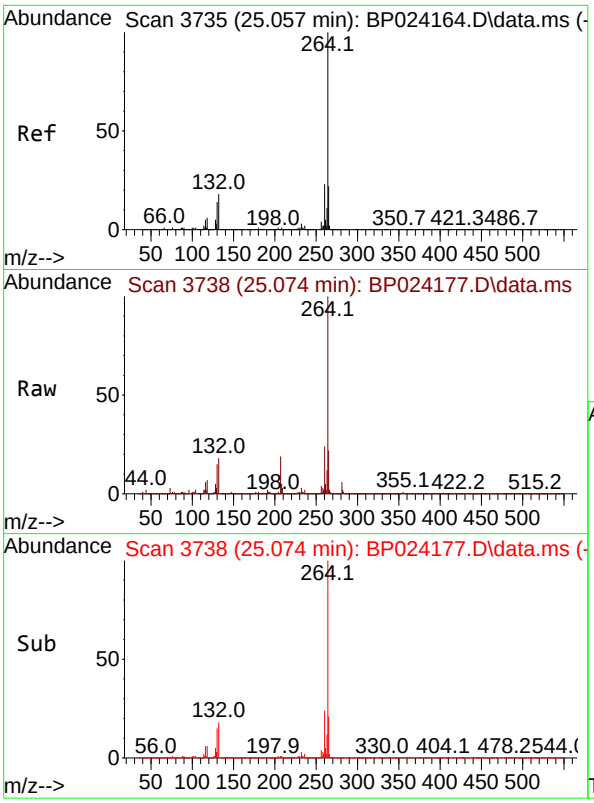




#79
Terphenyl-d14
Concen: 122.752 ng
RT: 19.945 min Scan# 2866
Delta R.T. 0.023 min
Lab File: BP024177.D
Acq: 13 Mar 2025 16:40

Tgt Ion:244 Resp: 8575199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.3 | 5.7 | 8.5 |
| 122 | 11.9 | 9.6 | 14.4 |



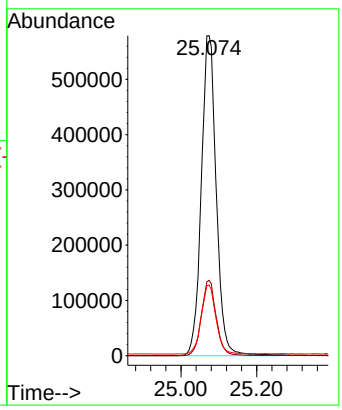



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.074 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024177.D
Acq: 13 Mar 2025 16:40

**Instrument :**
BNA_P
**ClientSampleId :**
RR-TRIAZINE-WP

Tgt Ion:264 Resp: 1581008

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



# CALIBRATION SUMMARY

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG No.: Q1502

Instrument ID: BNA_F Calibration Date(s): 03/10/2025 03/10/2025

Calibration Time(s): 11:01 15:20

LAB FILE ID: RRF2.5 = BF141897.D RRF005 = BF141898.D RRF010 = BF141899.D
RRF020 = BF141900.D RRF040 = BF141901.D RRF060 = BF141903.D

| COMPOUND | RRF2.5 | RRF005 | RRF010 | RRF020 | RRF040 | RRF060 | RRF | % RSD |
|---|---|---|---|---|---|---|---|---|
| 2-Fluorophenol | | 1.267 | 1.243 | 1.298 | 1.148 | 1.146 | 1.198 | 5.8 |
| Phenol-d6 | | 1.623 | 1.593 | 1.644 | 1.442 | 1.471 | 1.526 | 6.0 |
| Nitrobenzene-d5 | | 0.345 | 0.356 | 0.379 | 0.348 | 0.363 | 0.355 | 3.5 |
| 2-Fluorobiphenyl | | 1.430 | 1.379 | 1.379 | 1.254 | 1.246 | 1.315 | 5.9 |
| 2,4,6-Tribromophenol | | 0.234 | 0.236 | 0.259 | 0.250 | 0.265 | 0.254 | 5.7 |
| Atrazine | | 0.216 | 0.213 | 0.193 | 0.164 | | 0.198 | 10.7 |
| Terphenyl-d14 | | 1.343 | 1.309 | 1.360 | 1.276 | 1.417 | 1.353 | 3.6 |

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Mar 10 15:46:22 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF141897.D 5 =BF141898.D 10 =BF141899.D 20 =BF141900.D 40 =BF141901.D 50 =BF141905.D 60 =BF141903.D 80 =BF1419
04.D

| | | Compound | 2.5 | 5 | 10 | 20 | 40 | 50 | 60 | 80 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzen... | ---------- | ISTD | ---------- | | | | | | | |
| 2) | | 1,4-Dioxane | | 0.490 | 0.482 | 0.536 | 0.504 | 0.495 | 0.501 | 0.508 | 0.502 | 3.43 |
| 3) | | Pyridine | | 1.217 | 1.204 | 1.334 | 1.221 | 1.203 | 1.209 | 1.233 | 1.232 | 3.77 |
| 4) | | n-Nitrosodimet... | | 0.554 | 0.556 | 0.621 | 0.583 | 0.595 | 0.594 | 0.607 | 0.587 | 4.26 |
| 5) | S | 2-Fluorophenol | | 1.267 | 1.243 | 1.298 | 1.148 | 1.162 | 1.146 | 1.124 | 1.198 | 5.79 |
| 6) | | Aniline | | 1.599 | 1.602 | 1.640 | 1.465 | 1.443 | 1.435 | 1.351 | 1.505 | 7.20 |
| 7) | S | Phenol-d6 | | 1.623 | 1.593 | 1.644 | 1.442 | 1.483 | 1.471 | 1.424 | 1.526 | 5.99 |
| 8) | | 2-Chlorophenol | | 1.421 | 1.354 | 1.434 | 1.259 | 1.295 | 1.284 | 1.256 | 1.329 | 5.63 |
| 9) | | Benzaldehyde | | | 1.021 | 0.975 | 0.778 | 0.778 | 0.716 | | 0.853 | 15.85 |
| 10) | C | Phenol | | 1.708 | 1.675 | 1.747 | 1.536 | 1.542 | 1.532 | 1.496 | 1.605 | 6.30 |
| 11) | | bis(2-Chloroet... | | 1.287 | 1.246 | 1.281 | 1.144 | 1.175 | 1.176 | 1.127 | 1.205 | 5.43 |
| 12) | | 1,3-Dichlorobe... | | 1.475 | 1.489 | 1.538 | 1.373 | 1.401 | 1.401 | 1.367 | 1.435 | 4.59 |
| 13) | C | 1,4-Dichlorobe... | | 1.514 | 1.503 | 1.548 | 1.393 | 1.408 | 1.420 | 1.376 | 1.452 | 4.71 |
| 14) | | 1,2-Dichlorobe... | | 1.461 | 1.417 | 1.460 | 1.303 | 1.315 | 1.343 | 1.273 | 1.367 | 5.69 |
| 15) | | Benzyl Alcohol | | 1.236 | 1.252 | 1.322 | 1.185 | 1.214 | 1.246 | 1.180 | 1.233 | 3.91 |
| 16) | | 2,2'-oxybis(1-... | | 1.591 | 1.525 | 1.534 | 1.363 | 1.387 | 1.472 | 1.313 | 1.455 | 7.07 |
| 17) | | 2-Methylphenol | | 1.080 | 1.050 | 1.122 | 1.008 | 1.038 | 1.079 | 1.021 | 1.057 | 3.73 |
| 18) | | Hexachloroethane | | 0.545 | 0.551 | 0.576 | 0.517 | 0.540 | 0.560 | 0.522 | 0.544 | 3.76 |
| 19) | P | n-Nitroso-di-n... | 1.020 | 1.024 | 1.000 | 1.043 | 0.913 | 0.940 | 0.991 | 0.912 | 0.980 | 5.29 |
| 20) | | 3+4-Methylphenols | | 1.449 | 1.394 | 1.470 | 1.294 | 1.311 | 1.334 | 1.223 | 1.354 | 6.55 |
| 21) | I | Naphthalene-d8 | ---------- | ISTD | ---------- | | | | | | | |
| 22) | | Acetophenone | | 0.514 | 0.493 | 0.513 | 0.460 | 0.450 | 0.469 | 0.453 | 0.479 | 5.76 |
| 23) | S | Nitrobenzene-d5 | | 0.345 | 0.356 | 0.379 | 0.348 | 0.344 | 0.363 | 0.353 | 0.355 | 3.47 |
| 24) | | Nitrobenzene | | 0.347 | 0.351 | 0.375 | 0.346 | 0.343 | 0.359 | 0.352 | 0.353 | 3.07 |
| 25) | | Isophorone | | 0.647 | 0.620 | 0.655 | 0.600 | 0.605 | 0.648 | 0.622 | 0.628 | 3.49 |
| 26) | C | 2-Nitrophenol | | 0.150 | 0.159 | 0.182 | 0.175 | 0.179 | 0.188 | 0.181 | 0.173 | 7.88 |
| 27) | | 2,4-Dimethylph... | | 0.247 | 0.234 | 0.251 | 0.231 | 0.233 | 0.244 | 0.232 | 0.239 | 3.45 |
| 28) | | bis(2-Chloroet... | | 0.411 | 0.406 | 0.416 | 0.372 | 0.377 | 0.397 | 0.378 | 0.394 | 4.63 |
| 29) | C | 2,4-Dichloroph... | | 0.292 | 0.295 | 0.309 | 0.286 | 0.295 | 0.303 | 0.294 | 0.296 | 2.54 |
| 30) | | 1,2,4-Trichlor... | | 0.337 | 0.325 | 0.342 | 0.310 | 0.318 | 0.333 | 0.322 | 0.327 | 3.50 |
| 31) | | Naphthalene | | 1.104 | 1.075 | 1.101 | 0.984 | 1.001 | 0.973 | 0.954 | 1.027 | 6.22 |
| 32) | | Benzoic acid | | | 0.149 | 0.191 | 0.208 | 0.228 | 0.242 | 0.241 | 0.210 | 17.07 |
| 33) | | 4-Chloroaniline | | 0.383 | 0.378 | 0.393 | 0.351 | 0.354 | 0.352 | 0.329 | 0.363 | 6.14 |
| 34) | C | Hexachlorobuta... | | 0.211 | 0.211 | 0.221 | 0.203 | 0.214 | 0.214 | 0.216 | 0.213 | 2.52 |
| 35) | | Caprolactam | | 0.092 | 0.089 | 0.094 | 0.084 | 0.088 | 0.090 | 0.094 | 0.090 | 4.00 |
| 36) | C | 4-Chloro-3-met... | | 0.334 | 0.331 | 0.349 | 0.318 | 0.329 | 0.334 | 0.320 | 0.331 | 3.13 |
| 37) | | 2-Methylnaphth... | | 0.746 | 0.709 | 0.733 | 0.653 | 0.655 | 0.667 | 0.645 | 0.687 | 6.09 |
| 38) | | 1-Methylnaphth... | | 0.717 | 0.691 | 0.721 | 0.623 | 0.619 | 0.647 | 0.620 | 0.663 | 6.95 |

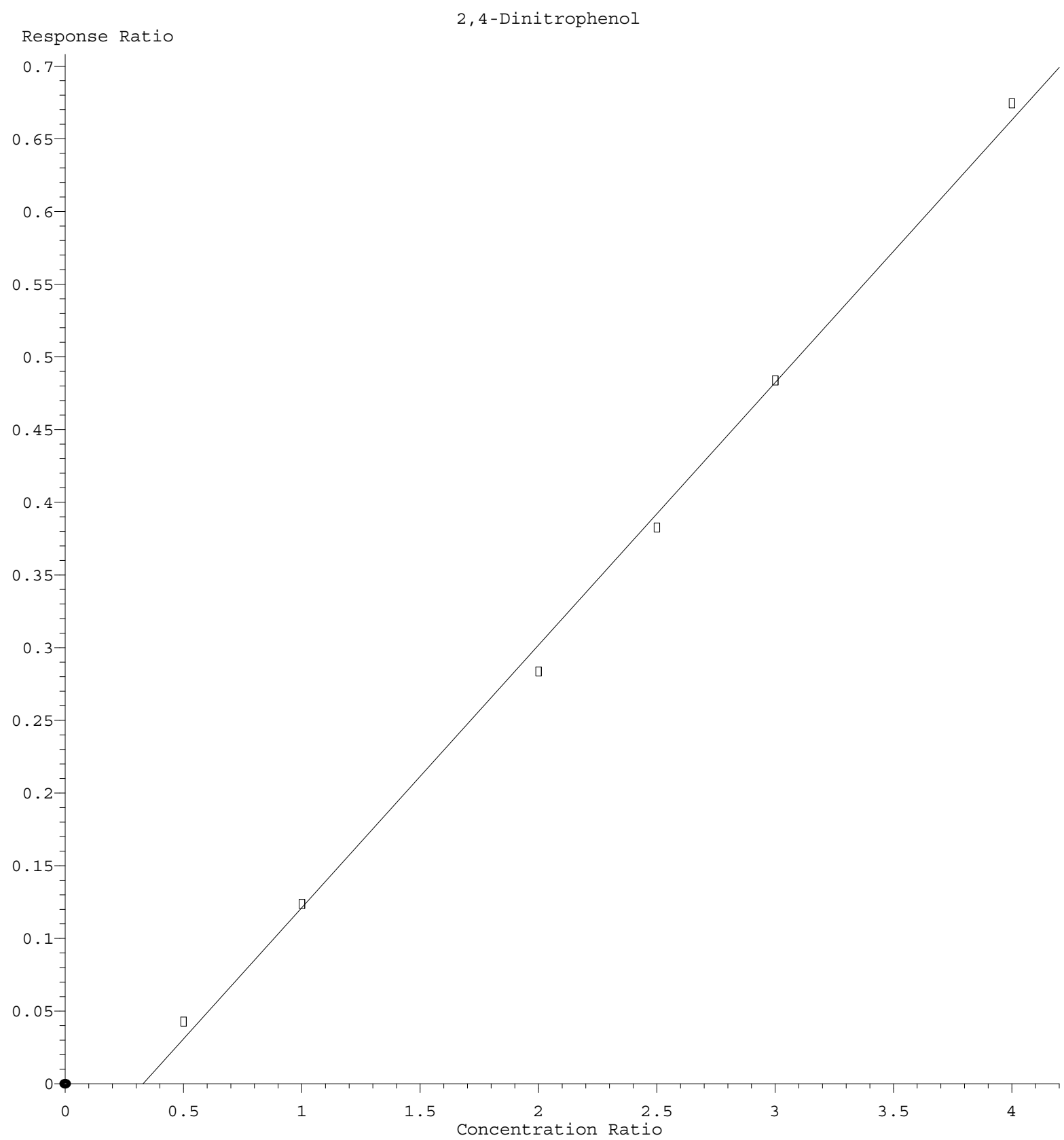
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 39) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | | |
| 40) | | 1,2,4,5-Tetrac... | 0.615 | 0.604 | 0.626 | 0.592 | 0.597 | 0.606 | 0.623 | 0.609 | 2.11 |
| 41) | P | Hexachlorocycl... | 0.204 | 0.221 | 0.249 | 0.250 | 0.237 | 0.252 | 0.256 | 0.238 | 8.03 |
| 42) | S | 2,4,6-Tribromo... | 0.234 | 0.236 | 0.259 | 0.250 | 0.259 | 0.265 | 0.272 | 0.254 | 5.67 |
| 43) | C | 2,4,6-Trichlor... | 0.388 | 0.389 | 0.402 | 0.398 | 0.400 | 0.401 | 0.409 | 0.398 | 1.91 |
| 44) | | 2,4,5-Trichlor... | 0.396 | 0.391 | 0.422 | 0.389 | 0.400 | 0.415 | 0.407 | 0.403 | 3.05 |
| 45) | S | 2-Fluorobiphenyl | 1.430 | 1.379 | 1.379 | 1.254 | 1.272 | 1.246 | 1.246 | 1.315 | 5.95 |
| 46) | | 1,1'-Biphenyl | 1.636 | 1.573 | 1.591 | 1.454 | 1.502 | 1.431 | 1.450 | 1.520 | 5.29 |
| 47) | | 2-Chloronaphth... | 1.197 | 1.141 | 1.181 | 1.091 | 1.129 | 1.090 | 1.100 | 1.133 | 3.82 |
| 48) | | 2-Nitroaniline | 0.296 | 0.314 | 0.346 | 0.322 | 0.356 | 0.332 | 0.330 | 0.328 | 6.08 |
| 49) | | Acenaphthylene | 1.765 | 1.740 | 1.778 | 1.635 | 1.664 | 1.595 | 1.589 | 1.681 | 4.74 |
| 50) | | Dimethylphthalate | 1.481 | 1.414 | 1.469 | 1.329 | 1.425 | 1.345 | 1.341 | 1.401 | 4.47 |
| 51) | | 2,6-Dinitrotol... | 0.277 | 0.279 | 0.305 | 0.285 | 0.307 | 0.296 | 0.292 | 0.292 | 4.11 |
| 52) | C | Acenaphthene | 1.236 | 1.195 | 1.231 | 1.146 | 1.144 | 1.165 | 1.152 | 1.181 | 3.37 |
| 53) | | 3-Nitroaniline | 0.291 | 0.295 | 0.316 | 0.293 | 0.283 | 0.301 | 0.291 | 0.296 | 3.61 |
| 54) | P | 2,4-Dinitrophenol | | 0.085 | 0.124 | 0.142 | 0.153 | 0.161 | 0.169 | 0.139 | 22.02 |
| 55) | | Dibenzofuran | 1.849 | 1.787 | 1.791 | 1.614 | 1.607 | 1.596 | 1.570 | 1.688 | 6.87 |
| 56) | P | 4-Nitrophenol | 0.192 | 0.216 | 0.234 | 0.230 | 0.229 | 0.230 | 0.230 | 0.223 | 6.60 |
| 57) | | 2,4-Dinitrotol... | 0.365 | 0.382 | 0.402 | 0.375 | 0.383 | 0.383 | 0.376 | 0.381 | 2.95 |
| 58) | | Fluorene | 1.443 | 1.361 | 1.381 | 1.229 | 1.243 | 1.234 | 1.220 | 1.302 | 7.01 |
| 59) | | 2,3,4,6-Tetrac... | 0.355 | 0.365 | 0.390 | 0.359 | 0.364 | 0.366 | 0.369 | 0.367 | 3.05 |
| 60) | | Diethylphthalate | 1.475 | 1.471 | 1.497 | 1.336 | 1.357 | 1.338 | 1.302 | 1.397 | 5.80 |
| 61) | | 4-Chlorophenyl... | 0.730 | 0.688 | 0.702 | 0.643 | 0.664 | 0.656 | 0.667 | 0.679 | 4.41 |
| 62) | | 4-Nitroaniline | 0.284 | 0.288 | 0.304 | 0.288 | 0.287 | 0.286 | 0.278 | 0.288 | 2.73 |
| 63) | | Azobenzene | 1.392 | 1.363 | 1.404 | 1.245 | 1.261 | 1.226 | 1.197 | 1.298 | 6.57 |
| 64) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | | |
| 65) | | 4,6-Dinitro-2-... | | 0.083 | 0.111 | 0.121 | 0.130 | 0.133 | 0.137 | 0.119 | 16.61 |
| 66) | c | n-Nitrosodiphe... | 0.675 | 0.651 | 0.671 | 0.620 | 0.638 | 0.638 | 0.637 | 0.647 | 3.03 |
| 67) | | 4-Bromophenyl-... | 0.240 | 0.249 | 0.255 | 0.244 | 0.263 | 0.245 | 0.262 | 0.251 | 3.55 |
| 68) | | Hexachlorobenzene | 0.262 | 0.267 | 0.284 | 0.269 | 0.283 | 0.271 | 0.292 | 0.275 | 3.92 |
| 69) | | Atrazine | 0.216 | 0.213 | 0.193 | 0.164 | 0.206 | | | 0.198 | 10.72 |
| 70) | C | Pentachlorophenol | 0.130 | 0.151 | 0.172 | 0.177 | 0.180 | 0.186 | 0.191 | 0.170 | 12.66 |
| 71) | | Phenanthrene | 1.155 | 1.151 | 1.138 | 1.038 | 1.026 | 1.032 | 1.023 | 1.080 | 5.90 |
| 72) | | Anthracene | 1.173 | 1.139 | 1.139 | 1.046 | 1.026 | 1.036 | 1.026 | 1.084 | 5.89 |
| 73) | | Carbazole | 0.996 | 0.994 | 0.985 | 0.908 | 0.903 | 0.892 | 0.864 | 0.935 | 5.91 |
| 74) | | Di-n-butylphth... | 1.320 | 1.321 | 1.319 | 1.177 | 1.238 | 1.175 | 1.132 | 1.240 | 6.50 |
| 75) | C | Fluoranthene | 1.234 | 1.226 | 1.228 | 1.108 | 1.148 | 1.059 | 1.017 | 1.146 | 7.66 |
| 76) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | | |
| 77) | | Benzidine | 0.347 | 0.309 | 0.190 | 0.360 | 0.220 | 0.275 | 0.252 | 0.279 | 22.73 |
| 78) | | Pyrene | 1.695 | 1.651 | 1.727 | 1.611 | 1.877 | 1.823 | 1.726 | 1.730 | 5.38 |
| 79) | S | Terphenyl-d14 | 1.343 | 1.309 | 1.360 | 1.276 | 1.380 | 1.417 | 1.384 | 1.353 | 3.56 |
| 80) | | Butylbenzylpht... | 0.629 | 0.656 | 0.702 | 0.655 | 0.703 | 0.717 | 0.677 | 0.677 | 4.72 |
| 81) | | Benzo(a)anthra... | 1.370 | 1.304 | 1.334 | 1.273 | 1.294 | 1.317 | 1.294 | 1.312 | 2.41 |
| 82) | | 3,3'-Dichlorob... | 0.370 | 0.389 | 0.380 | 0.372 | 0.365 | 0.394 | 0.384 | 0.379 | 2.78 |
| 83) | | Chrysene | 1.143 | 1.194 | 1.260 | 1.136 | 1.192 | 1.213 | 1.189 | 1.190 | 3.53 |
| 84) | | Bis(2-ethylhex... | 0.897 | 0.912 | 0.966 | 0.904 | 0.978 | 0.952 | 0.927 | 0.934 | 3.43 |
| 85) | c | Di-n-octyl pht... | 1.145 | 1.219 | 1.338 | 1.265 | 1.376 | 1.390 | 1.361 | 1.299 | 7.10 |

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 86) | I | Perylene-d12 | ----------ISTD---------- | | | | | | | |
| 87) | | Indeno(1,2,3-c... | 1.097 | 1.142 | 1.308 | 1.287 | 1.322 | 1.472 | 1.429 | 1.294 | 10.60 |
| 88) | | Benzo(b)fluora... | 1.420 | 1.310 | 1.485 | 1.210 | 1.346 | 1.390 | 1.434 | 1.371 | 6.65 |
| 89) | | Benzo(k)fluora... | 1.162 | 1.268 | 1.197 | 1.205 | 1.129 | 1.210 | 1.041 | 1.173 | 6.16 |
| 90) | C | Benzo(a)pyrene | 1.040 | 1.042 | 1.123 | 1.036 | 1.083 | 1.083 | 1.101 | 1.073 | 3.16 |
| 91) | | Dibenzo(a,h)an... | 0.910 | 0.953 | 1.073 | 1.068 | 1.095 | 1.195 | 1.178 | 1.067 | 9.91 |
| 92) | | Benzo(g,h,i)pe... | 0.912 | 0.949 | 1.061 | 1.065 | 1.064 | 1.167 | 1.167 | 1.055 | 9.24 |

(#) = Out of Range




Response = 1.805e-001 * Amt - 5.933e-002
Coef of Det (r^2) = 0.997436  Curve Fit: Linear
Method Name:  Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF031025.M
Calibration Table Last Updated: Mon Mar 10 15:46:22 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141897.D
Acq On : 10 Mar 2025 11:01
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 10 15:31:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 218163 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 918034 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 548310 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.398 | 188 | 1010378 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 740344 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.509 | 264 | 520745 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 0.000 | 112 | 0d | 0.000 | ng | |
| 7) Phenol-d6 | 0.000 | 99 | 0d | 0.000 | ng | |
| 23) Nitrobenzene-d5 | 0.000 | 82 | 0d | 0.000 | ng | |
| 42) 2,4,6-Tribromophenol | 0.000 | 330 | 0d | 0.000 | ng | |
| 45) 2-Fluorobiphenyl | 0.000 | 172 | 0d | 0.000 | ng | |
| 79) Terphenyl-d14 | 0.000 | 244 | 0d | 0.000 | ng | |
| Target Compounds | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propyla... | 7.275 | 70 | 27816 | 2.599 | ng | 94 |

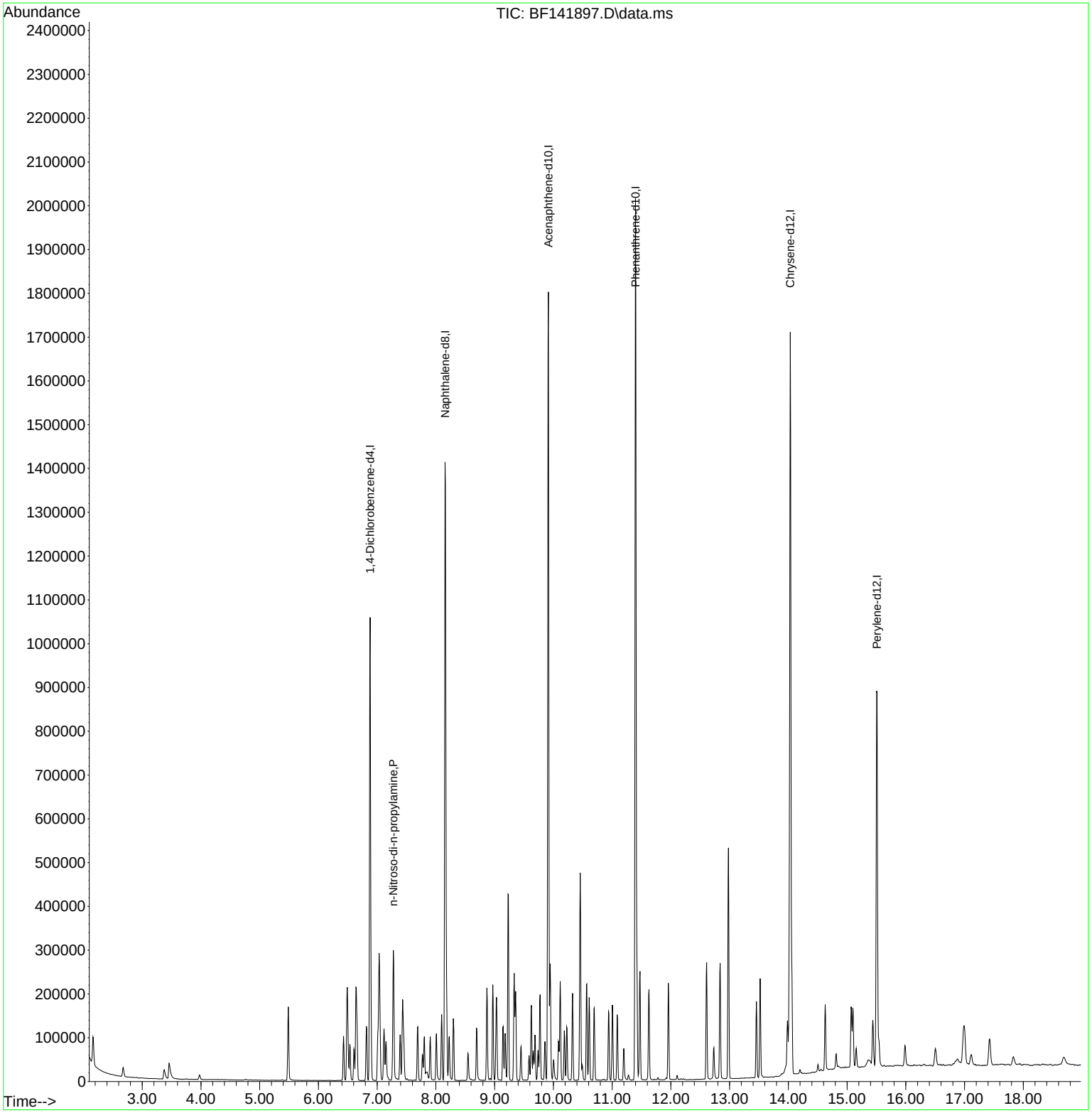
(#) = qualifier out of range (m) = manual integration (+) = signals summed

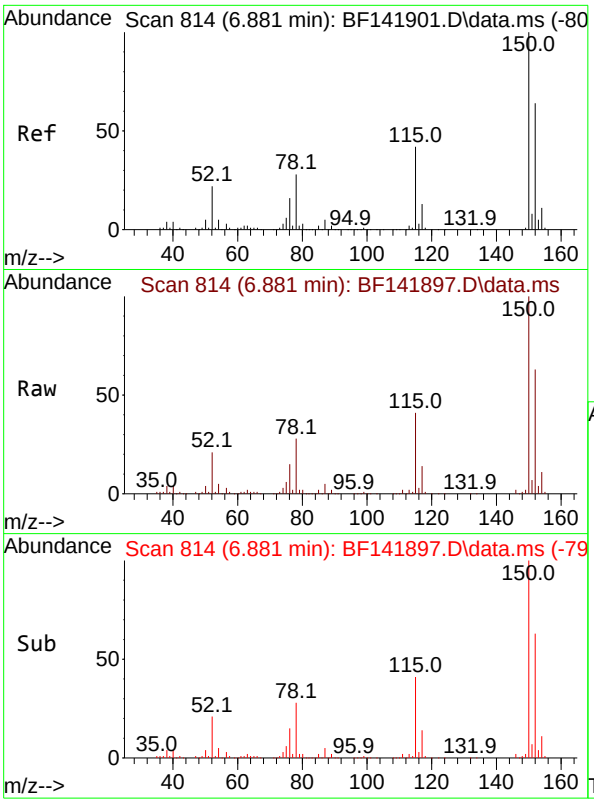
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141897.D
Acq On : 10 Mar 2025 11:01
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 10 15:31:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



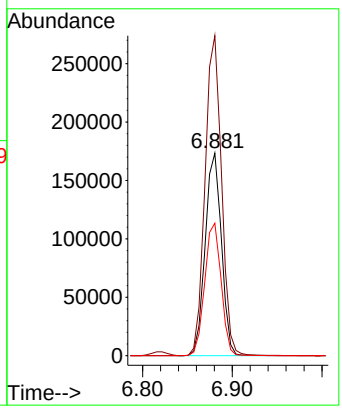


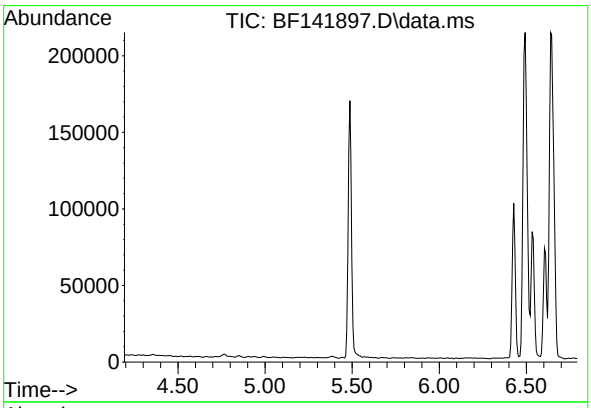

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

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

Tgt Ion:152 Resp: 218163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.0 | 127.4 | 191.2 |
| 115 | 65.4 | 51.9 | 77.9 |



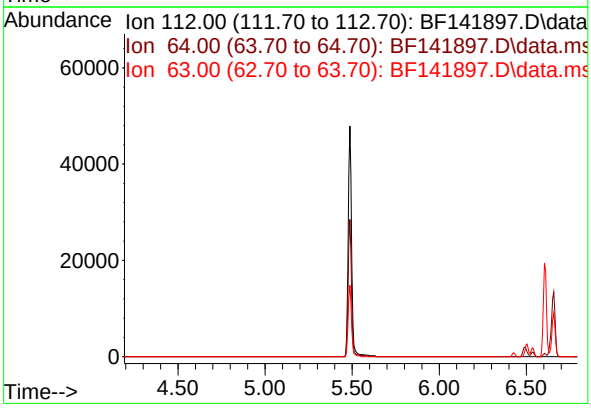



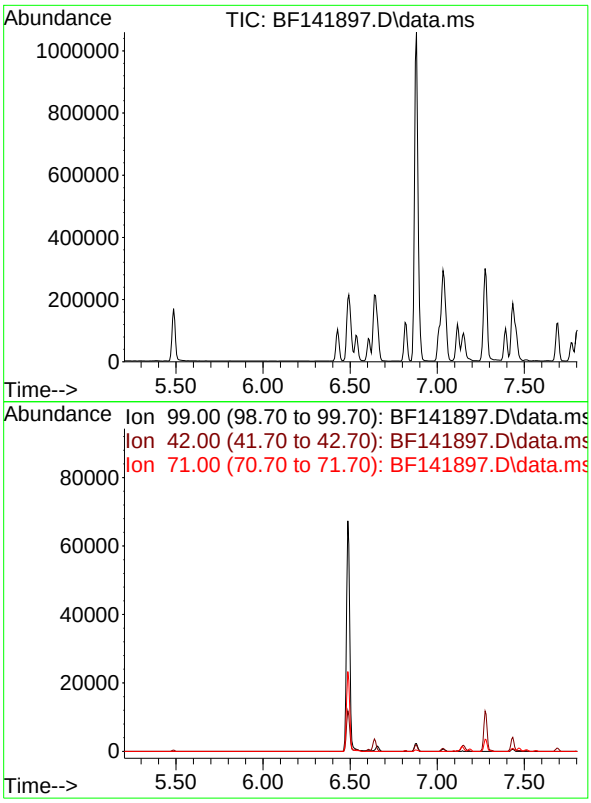

#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.49 min

Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion: 112

| Sig | Exp Ratio |
|---|---|
| 112 | 100 |
| 64 | 58.1 |
| 63 | 31.8 |





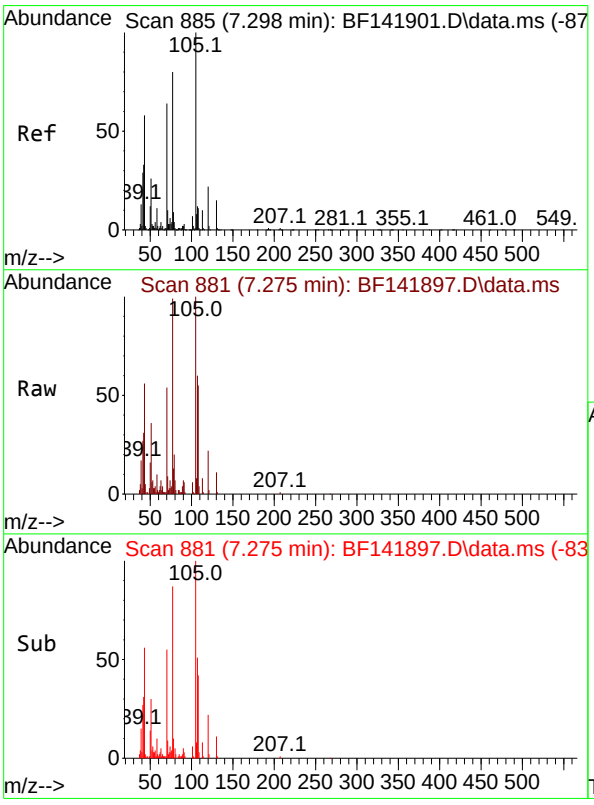

#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.50 min

Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

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

Tgt Ion: 99

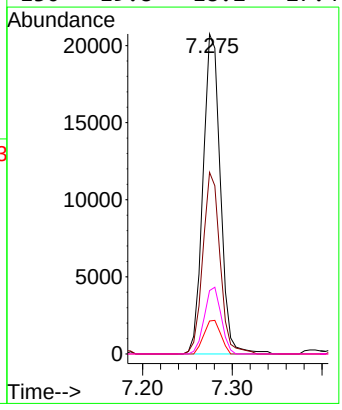
| Sig | Exp Ratio |
|---|---|
| 99 | 100 |
| 42 | 18.2 |
| 71 | 38.5 |

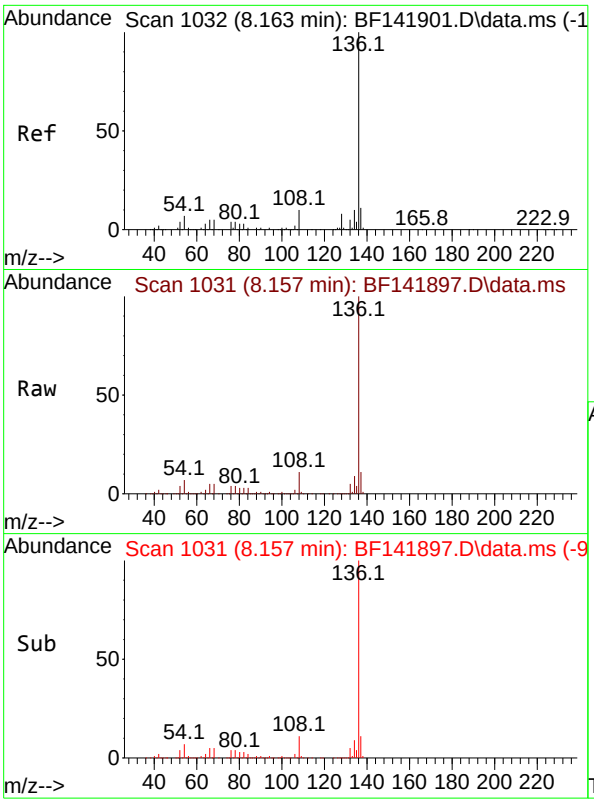



#19
n-Nitroso-di-n-propylamine
Concen: 2.599 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.024 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion: 70 Resp: 27816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 56.8 | 41.4 | 62.0 |
| 101 | 10.3 | 8.2 | 12.2 |
| 130 | 19.8 | 18.2 | 27.4 |



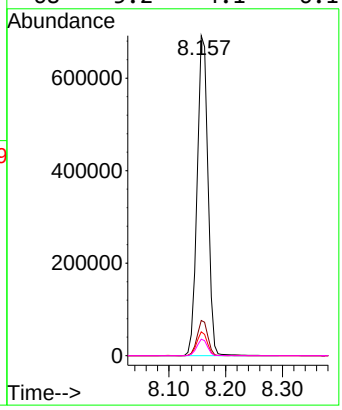


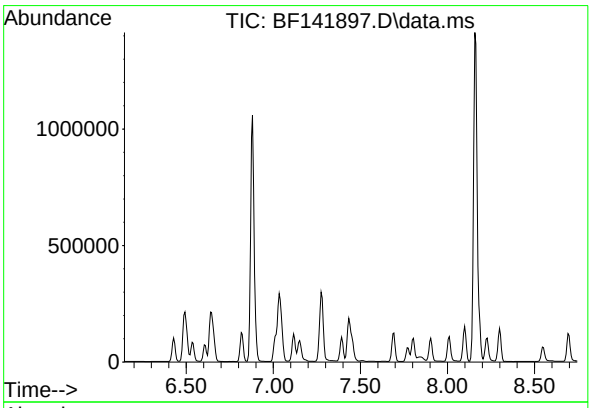

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

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

Tgt Ion:136 Resp: 918034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.8 | 13.2 |
| 54 | 7.5 | 5.8 | 8.8 |
| 68 | 5.2 | 4.1 | 6.1 |



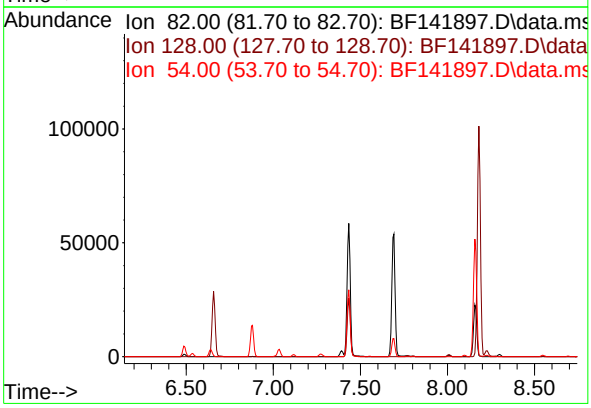



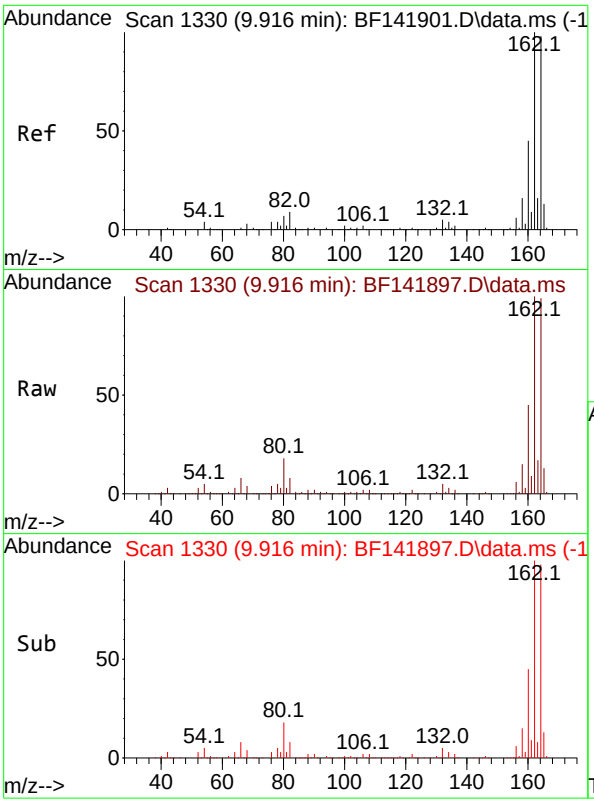

#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.45 min

Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion: 82

| Sig | Exp Ratio |
|---|---|
| 82 | 100 |
| 128 | 45.0 |
| 54 | 49.5 |



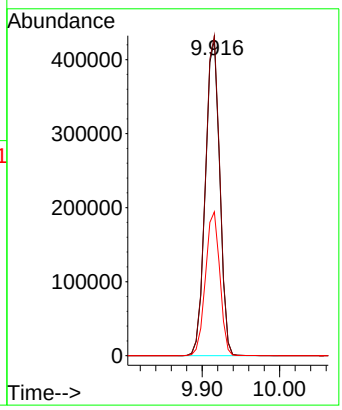


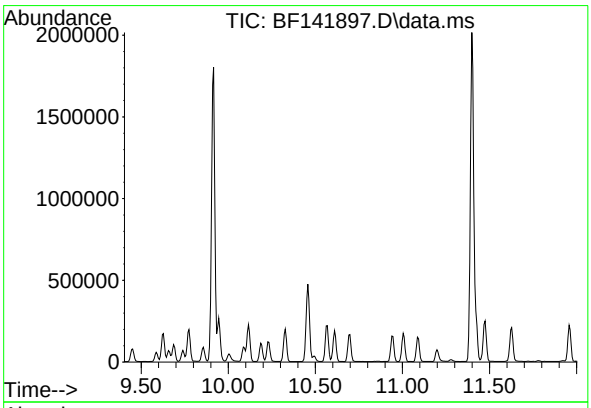

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

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

Tgt Ion:164 Resp: 548310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.3 | 81.8 | 122.6 |
| 160 | 45.5 | 36.7 | 55.1 |



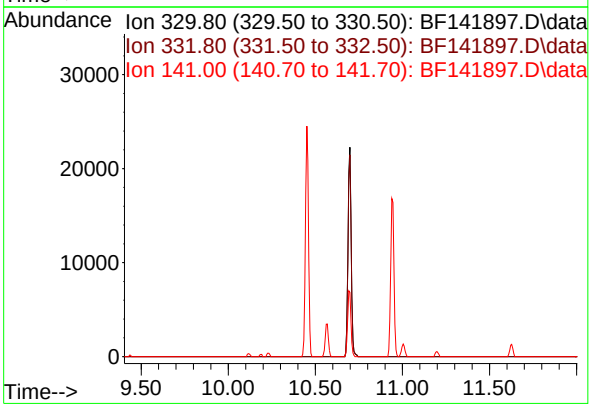



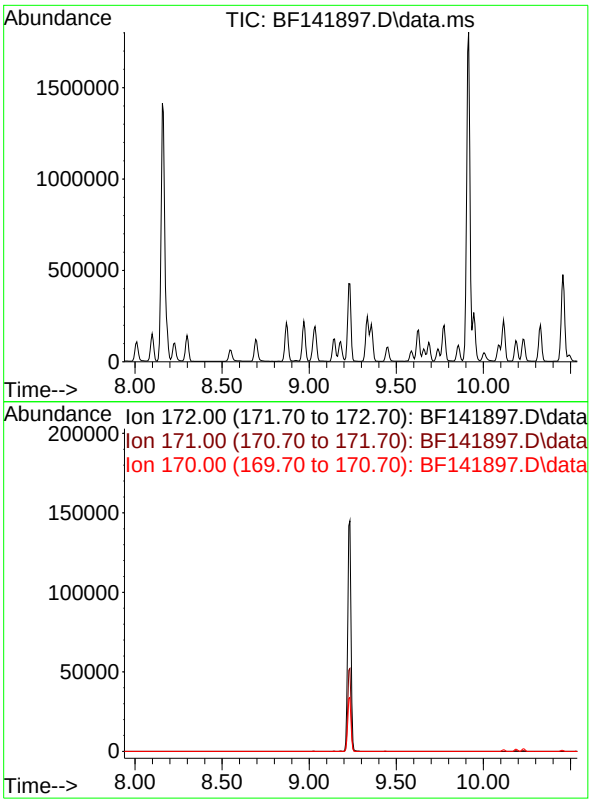

#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.70 min

Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion: 330

| Sig | Exp Ratio |
|---|---|
| 330 | 100 |
| 332 | 97.0 |
| 141 | 30.9 |





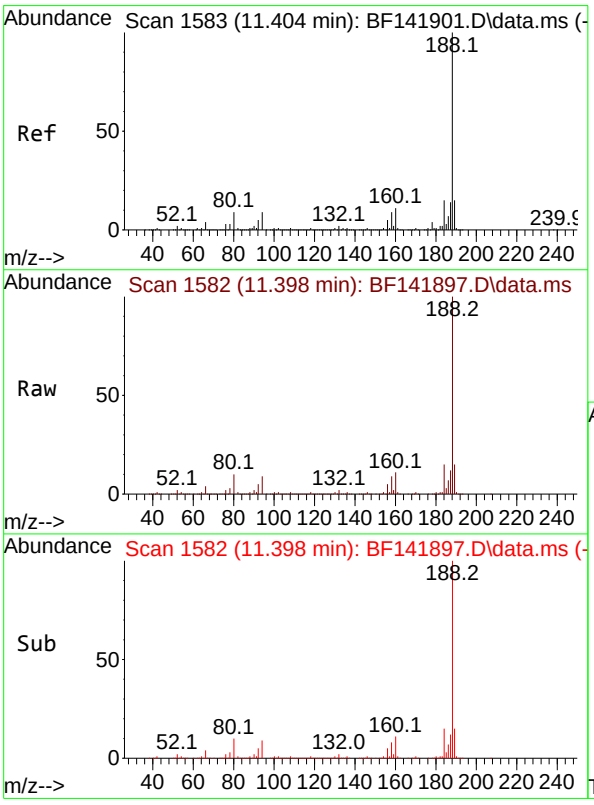

#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.24 min

Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

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

Tgt Ion: 172

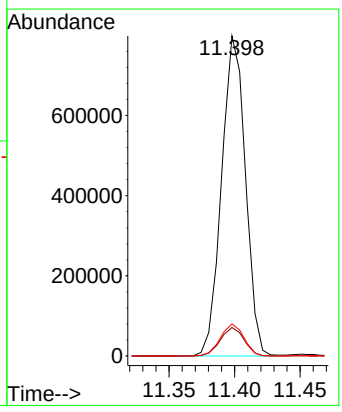
| Sig | Exp Ratio |
|---|---|
| 172 | 100 |
| 171 | 36.6 |
| 170 | 24.2 |

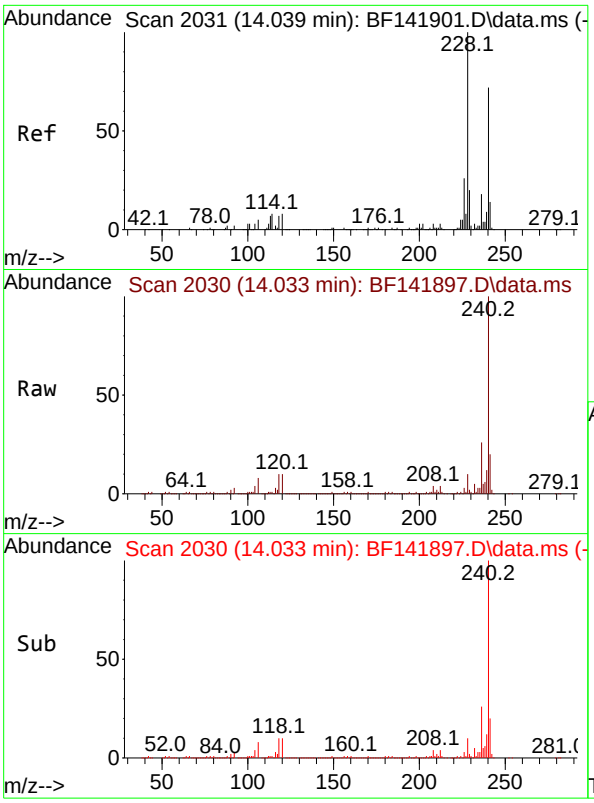



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion:188 Resp: 1010378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.9 | 6.8 | 10.2 |
| 80 | 10.0 | 7.6 | 11.4 |



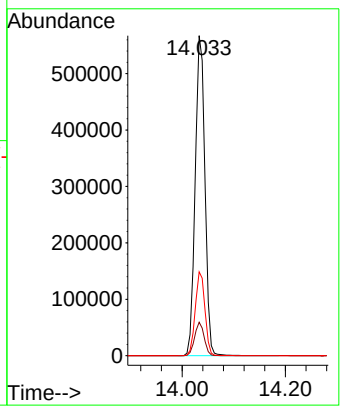


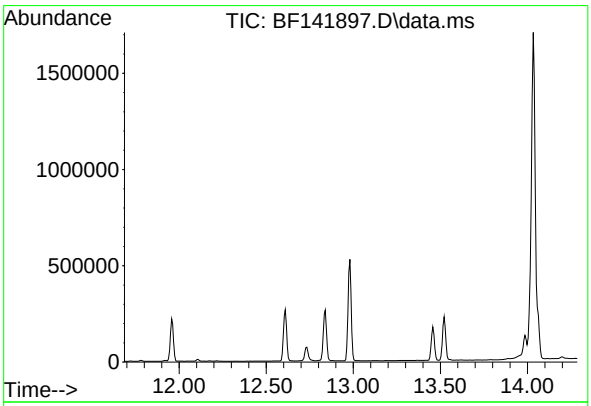

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

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

Tgt Ion:240 Resp: 740344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.5 | 8.4 | 12.6 |
| 236 | 26.2 | 20.5 | 30.7 |



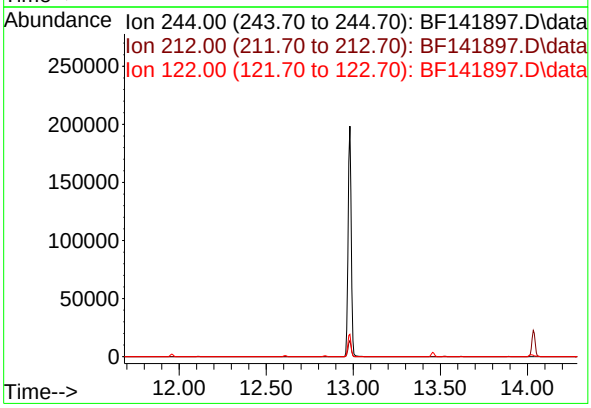



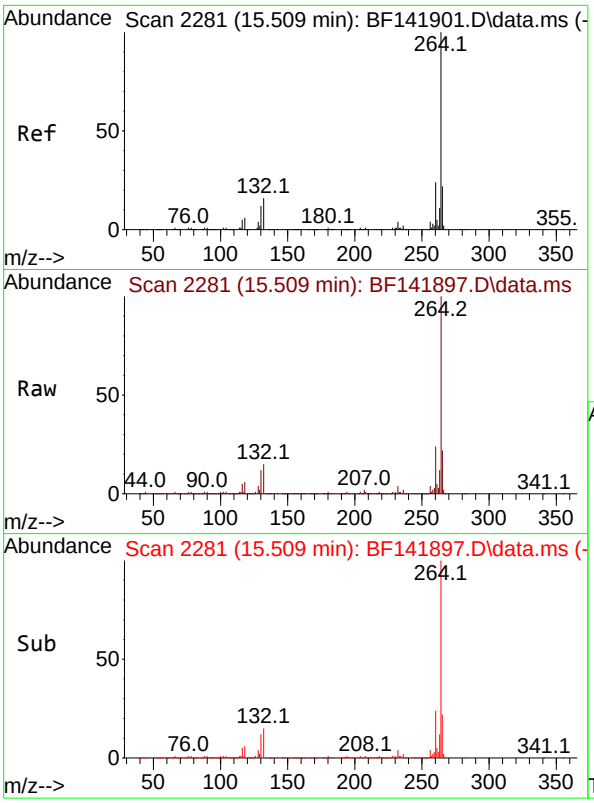

#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.99 min

Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion: 244

| Sig | Exp Ratio |
|---|---|
| 244 | 100 |
| 212 | 7.5 |
| 122 | 9.6 |



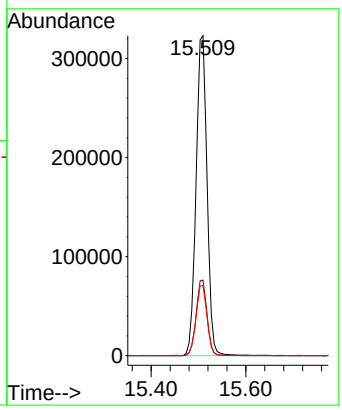



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

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

Tgt Ion:264 Resp: 520745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.7 | 19.1 | 28.7 |
| 265 | 21.9 | 17.5 | 26.3 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141898.D
Acq On : 10 Mar 2025 11:30
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Mar 10 15:32:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 230406 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 926118 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 546702 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.398 | 188 | 1002901 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 745624 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.504 | 264 | 527129 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.487 | 112 | 145959 | 10.570 | ng | | 0.00 |
| 7) Phenol-d6 | 6.486 | 99 | 186951 | 10.630 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.433 | 82 | 159777 | 9.670 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.698 | 330 | 63996 | 9.238 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.233 | 172 | 390913 | 10.888 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.980 | 244 | 500607 | 9.924 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.675 | 88 | 28210 | 4.874 | ng | | 99 |
| 3) Pyridine | 3.451 | 79 | 70090 | 4.928 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.369 | 42 | 31893 | 4.717 | ng | # | 99 |
| 6) Aniline | 6.534 | 93 | 92116 | 5.305 | ng | | 100 |
| 8) 2-Chlorophenol | 6.657 | 128 | 81845 | 5.347 | ng | | 98 |
| 10) Phenol | 6.504 | 94 | 98369 | 5.301 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.604 | 93 | 74158 | 5.334 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.816 | 146 | 84952 | 5.136 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 6.898 | 146 | 87237 | 5.213 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.045 | 146 | 84183 | 5.342 | ng | | 99 |
| 15) Benzyl Alcohol | 7.010 | 79 | 71182 | 5.000 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151 | 45 | 91659 | 5.470 | ng | | 97 |
| 17) 2-Methylphenol | 7.116 | 107 | 62211 | 5.114 | ng | | 99 |
| 18) Hexachloroethane | 7.392 | 117 | 31373 | 5.000 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.281 | 70 | 58981 | 5.218 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.269 | 107 | 83461 | 5.349 | ng | | 97 |
| 22) Acetophenone | 7.281 | 105 | 119040 | 5.358 | ng | | 99 |
| 24) Nitrobenzene | 7.451 | 77 | 80338 | 4.904 | ng | | 99 |
| 25) Isophorone | 7.692 | 82 | 149807 | 5.135 | ng | | 99 |
| 26) 2-Nitrophenol | 7.775 | 139 | 34757 | 4.329 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.804 | 122 | 57106 | 5.164 | ng | | 96 |
| 28) bis(2-Chloroethoxy)met... | 7.904 | 93 | 95214 | 5.210 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 8.010 | 162 | 67710 | 4.934 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.098 | 180 | 78127 | 5.160 | ng | | 98 |
| 31) Naphthalene | 8.180 | 128 | 255632 | 5.388 | ng | | 98 |
| 33) 4-Chloroaniline | 8.228 | 127 | 88635 | 5.294 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.298 | 225 | 48885 | 4.966 | ng | | 99 |
| 35) Caprolactam | 8.557 | 113 | 21358 | 5.118 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 8.692 | 107 | 77370 | 5.070 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.869 | 142 | 172734 | 5.427 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.969 | 142 | 166050 | 5.387 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.033 | 216 | 84034 | 5.041 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 27931 | 4.246 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 9.145 | 196 | 52998 | 4.877 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.180 | 196 | 54111 | 4.901 | ng | | 97 |
| 46) 1,1'-Biphenyl | 9.333 | 154 | 223637 | 5.395 | ng | | 98 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141898.D
Acq On : 10 Mar 2025 11:30
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Mar 10 15:32:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

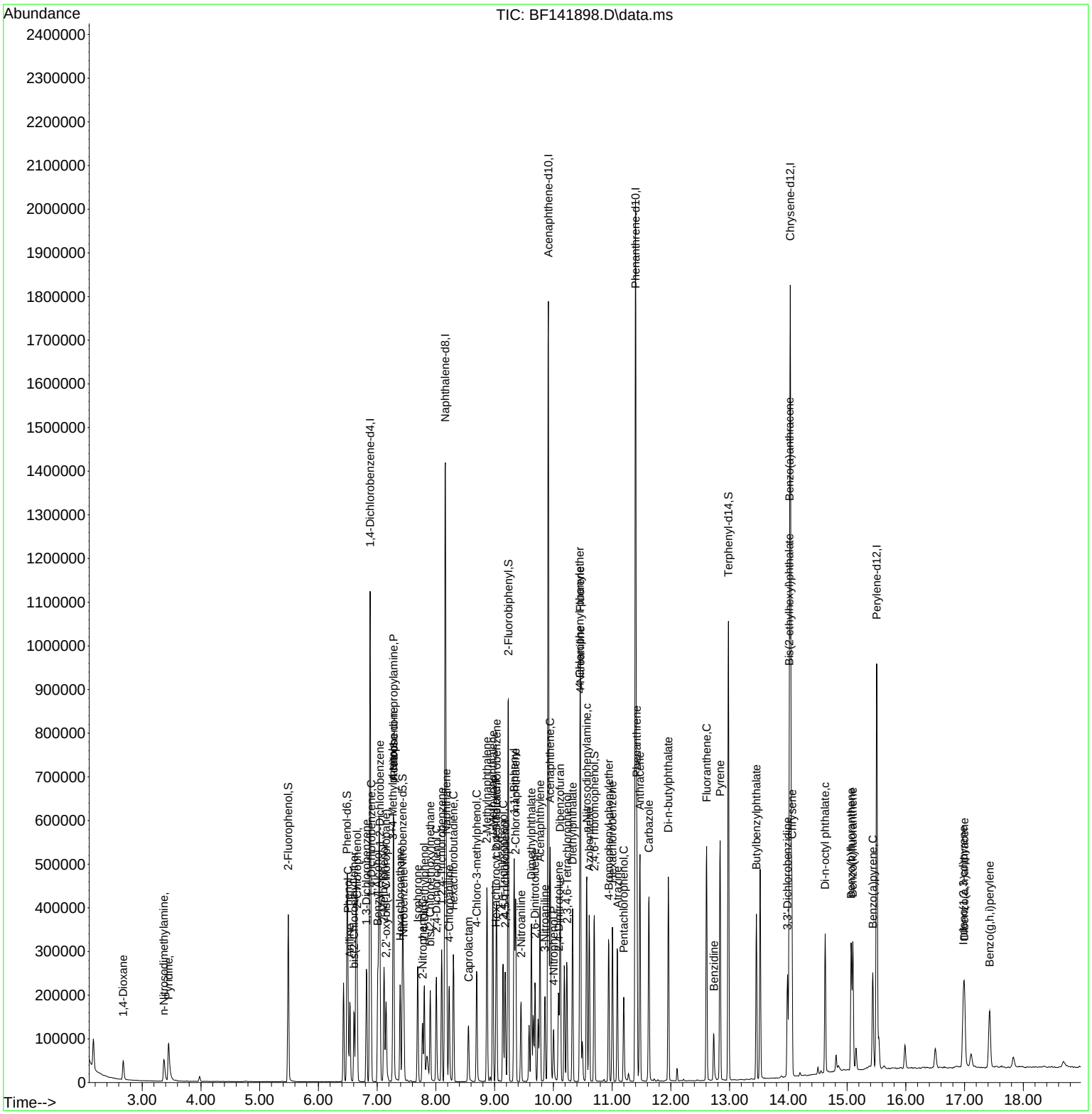
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 47) 2-Chloronaphthalene | 9.357 | 162 | 163642 | 5.298 | ng | 97 |
| 48) 2-Nitroaniline | 9.451 | 65 | 40475 | 4.561 | ng | 98 |
| 49) Acenaphthylene | 9.774 | 152 | 241253 | 5.268 | ng | 99 |
| 50) Dimethylphthalate | 9.627 | 163 | 202373 | 5.328 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.686 | 165 | 37796 | 4.785 | ng | 99 |
| 52) Acenaphthene | 9.945 | 154 | 168975 | 5.225 | ng | 98 |
| 53) 3-Nitroaniline | 9.857 | 138 | 39761 | 4.902 | ng | 98 |
| 55) Dibenzofuran | 10.116 | 168 | 252715 | 5.481 | ng | 97 |
| 56) 4-Nitrophenol | 10.004 | 139 | 26252 | 4.309 | ng | 99 |
| 57) 2,4-Dinitrotoluene | 10.092 | 165 | 49913 | 4.800 | ng | 98 |
| 58) Fluorene | 10.457 | 166 | 197266 | 5.542 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.233 | 232 | 48472 | 4.839 | ng | 98 |
| 60) Diethylphthalate | 10.327 | 149 | 201554 | 5.286 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204 | 99747 | 5.380 | ng | 98 |
| 62) 4-Nitroaniline | 10.463 | 138 | 38863 | 4.945 | ng | 94 |
| 63) Azobenzene | 10.610 | 77 | 190233 | 5.370 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 10.569 | 169 | 169225 | 5.223 | ng | 98 |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248 | 60238 | 4.823 | ng | 98 |
| 68) Hexachlorobenzene | 11.004 | 284 | 65620 | 4.753 | ng | 98 |
| 69) Atrazine | 11.092 | 200 | 54251 | 6.867 | ng | 98 |
| 70) Pentachlorophenol | 11.198 | 266 | 32716 | 3.843 | ng | 100 |
| 71) Phenanthrene | 11.421 | 178 | 289580 | 5.340 | ng | 98 |
| 72) Anthracene | 11.474 | 178 | 294198 | 5.407 | ng | 98 |
| 73) Carbazole | 11.627 | 167 | 249634 | 5.329 | ng | 99 |
| 74) Di-n-butylphthalate | 11.957 | 149 | 330999 | 5.352 | ng | 99 |
| 75) Fluoranthene | 12.610 | 202 | 309273 | 5.432 | ng | 99 |
| 77) Benzidine | 12.733 | 184 | 64673 | 6.138 | ng | 99 |
| 78) Pyrene | 12.839 | 202 | 315969 | 4.941 | ng | 99 |
| 80) Butylbenzylphthalate | 13.457 | 149 | 117256 | 4.653 | ng | 99 |
| 81) Benzo(a)anthracene | 14.021 | 228 | 255308 | 5.205 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.986 | 252 | 68969 | 4.865 | ng | 100 |
| 83) Chrysene | 14.062 | 228 | 213144 | 4.837 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.015 | 149 | 167165 | 4.836 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.627 | 149 | 213395 | 4.435 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.980 | 276 | 144536 | 4.228 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.068 | 252 | 187154 | 5.234 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.098 | 252 | 153142 | 4.903 | ng | 99 |
| 90) Benzo(a)pyrene | 15.439 | 252 | 137043 | 4.860 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 16.998 | 278 | 119937 | 4.252 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.427 | 276 | 120142 | 4.294 | ng | 99 |

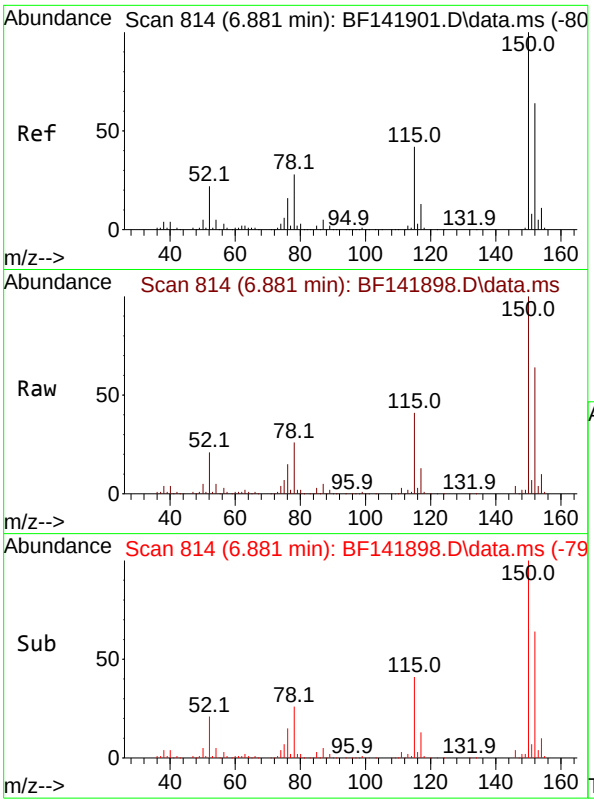
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141898.D
Acq On : 10 Mar 2025 11:30
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Mar 10 15:32:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



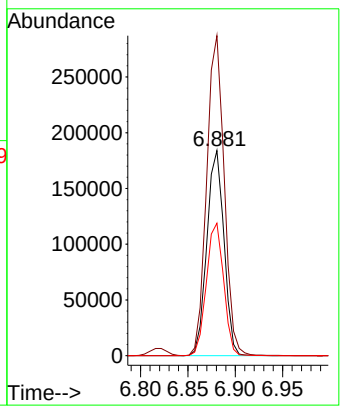


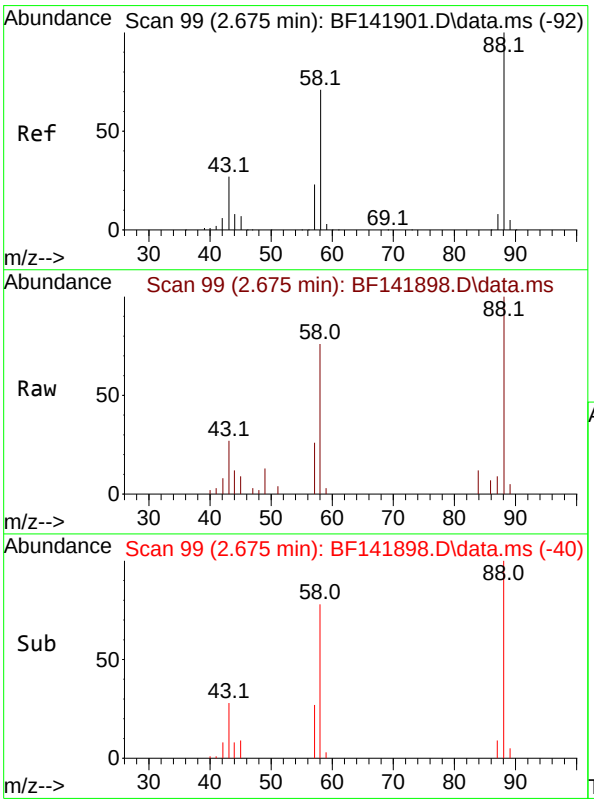

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:152 Resp: 230406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.9 | 127.4 | 191.2 |
| 115 | 64.6 | 51.9 | 77.9 |

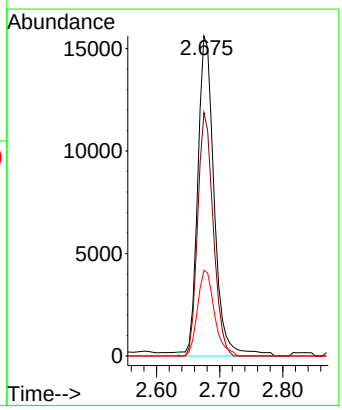


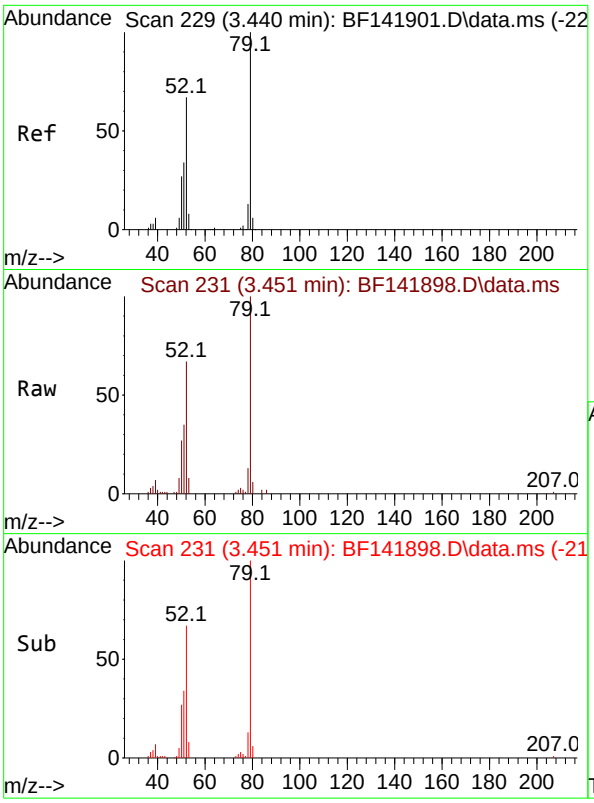




#2
1,4-Dioxane
Concen: 4.874 ng
RT: 2.675 min Scan# 99
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 88 Resp: 28210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 71.4 | 57.4 | 86.2 |
| 43 | 27.5 | 21.5 | 32.3 |



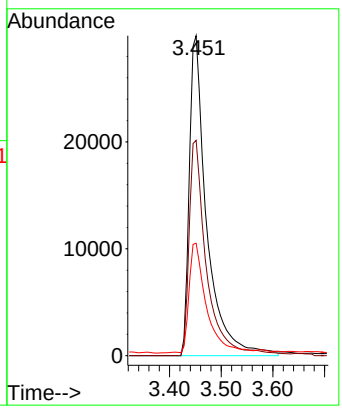


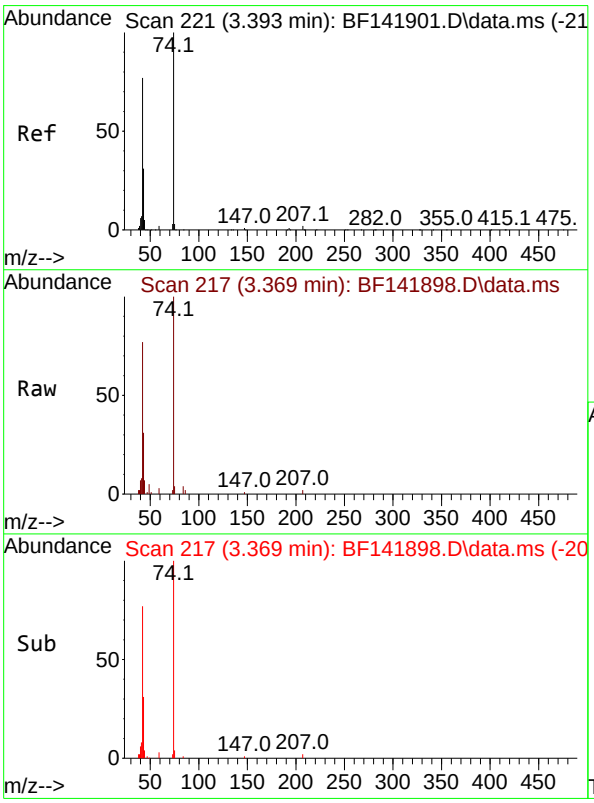

#3
Pyridine
Concen: 4.928 ng
RT: 3.451 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion: 79 Resp: 70090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 67.3 | 53.3 | 79.9 |
| 51 | 35.2 | 27.6 | 41.4 |

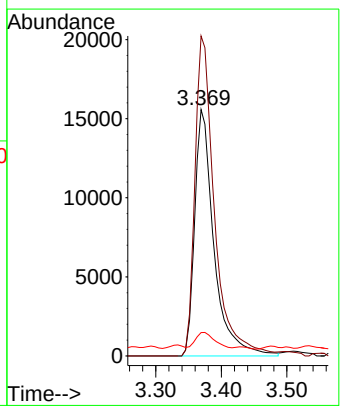


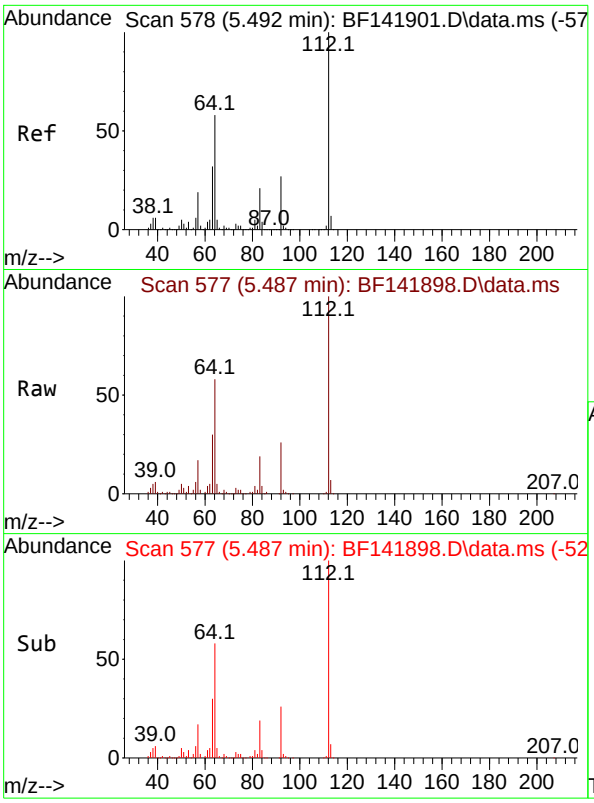




#4
n-Nitrosodimethylamine
Concen: 4.717 ng
RT: 3.369 min Scan# 217
Delta R.T. -0.024 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 42 Resp: 31893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 129.9 | 103.4 | 155.0 |
| 44 | 9.5 | 5.0 | 7.4# |



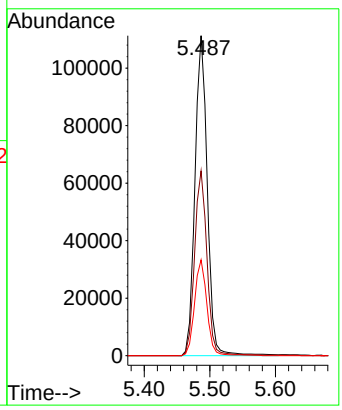


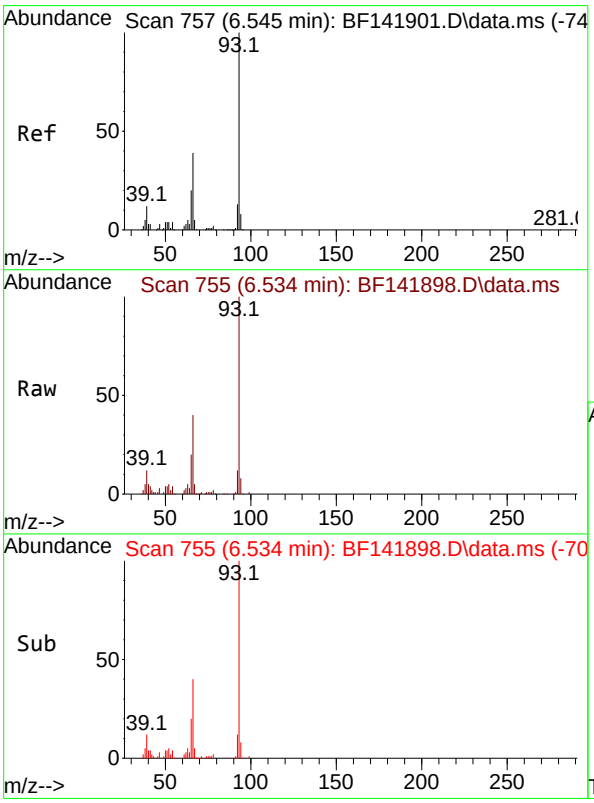

#5
2-Fluorophenol
Concen: 10.570 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:112 Resp: 145959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.8 | 46.5 | 69.7 |
| 63 | 29.9 | 25.4 | 38.2 |

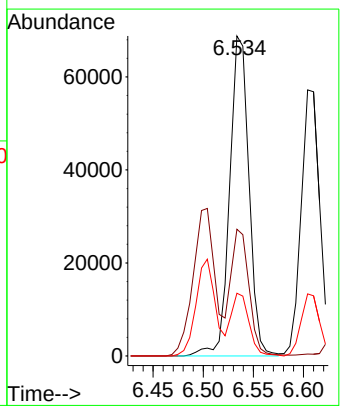


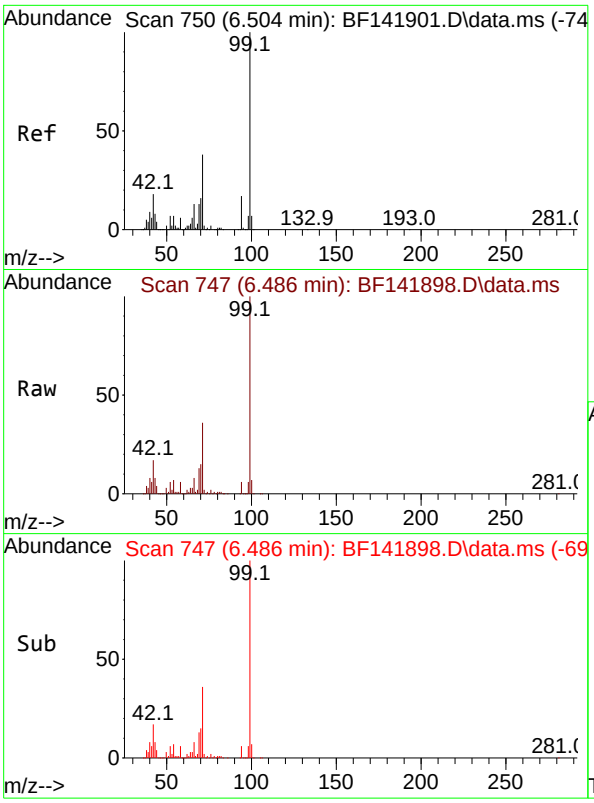




#6
Aniline
Concen: 5.305 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 93 Resp: 92116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.6 | 31.9 | 47.9 |
| 65 | 19.6 | 15.8 | 23.6 |



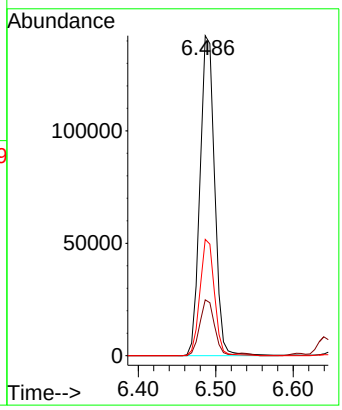


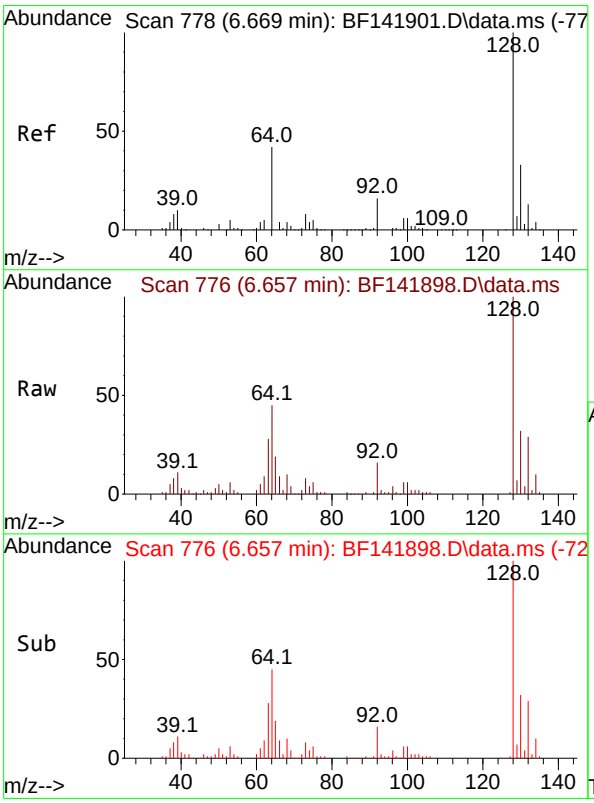

#7
Phenol-d6
Concen: 10.630 ng
RT: 6.486 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion: 99 Resp: 186951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.5 | 14.6 | 21.8 |
| 71 | 36.4 | 30.8 | 46.2 |

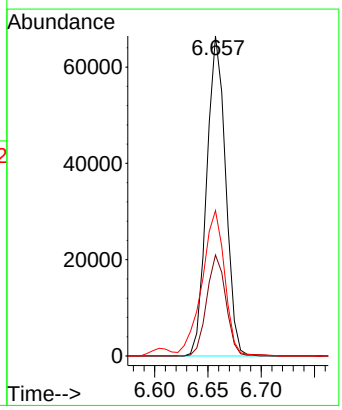


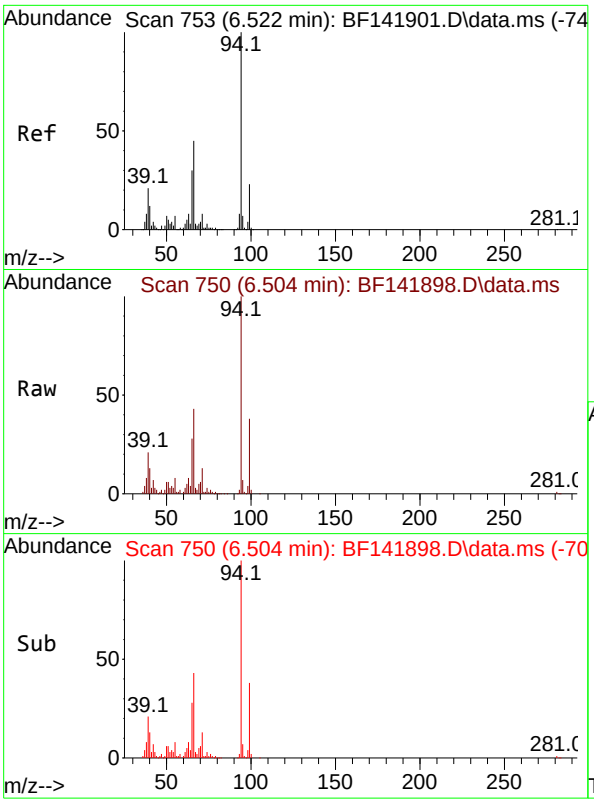




#8
2-Chlorophenol
Concen: 5.347 ng
RT: 6.657 min Scan# 776
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:128 Resp: 81845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 31.5 | 12.8 | 52.8 |
| 64 | 45.5 | 24.4 | 64.4 |



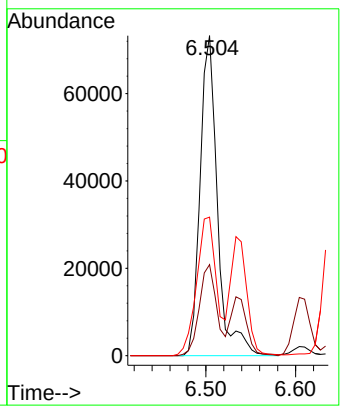


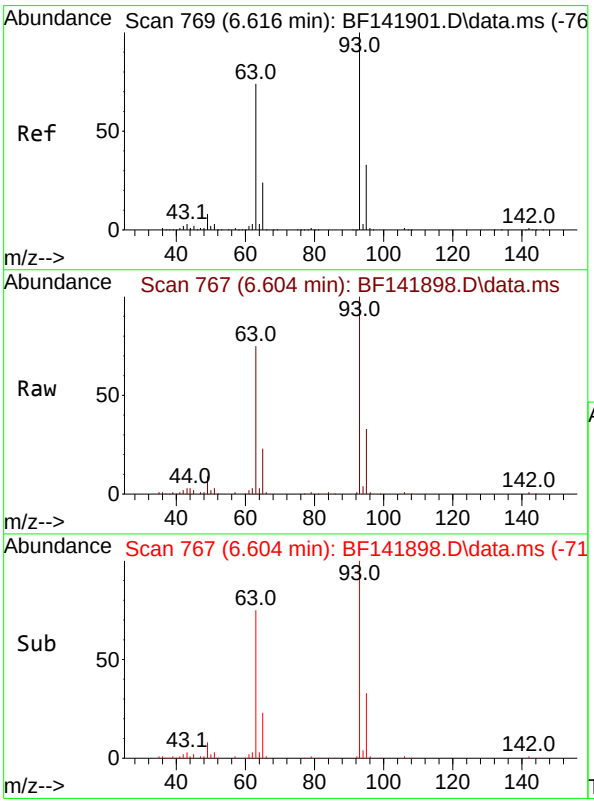

#10
Phenol
Concen: 5.301 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion: 94 Resp: 98369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.4 | 10.5 | 50.5 |
| 66 | 43.3 | 25.8 | 65.8 |

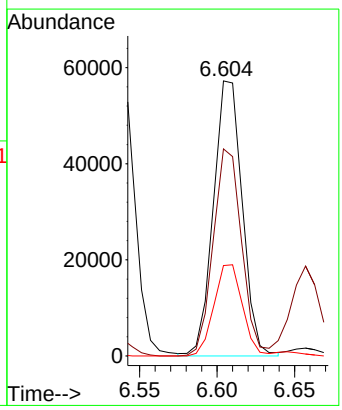


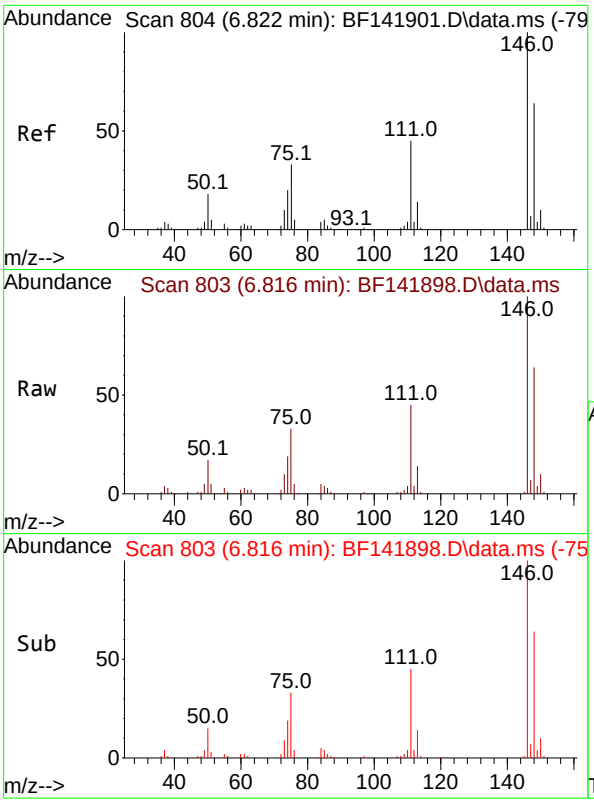




#11
bis(2-Chloroethyl)ether
Concen: 5.334 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 93 Resp: 74158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 75.3 | 53.0 | 93.0 |
| 95 | 32.9 | 12.9 | 52.9 |



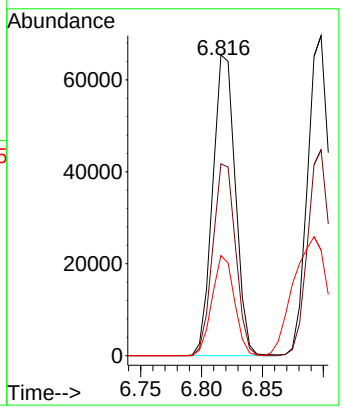


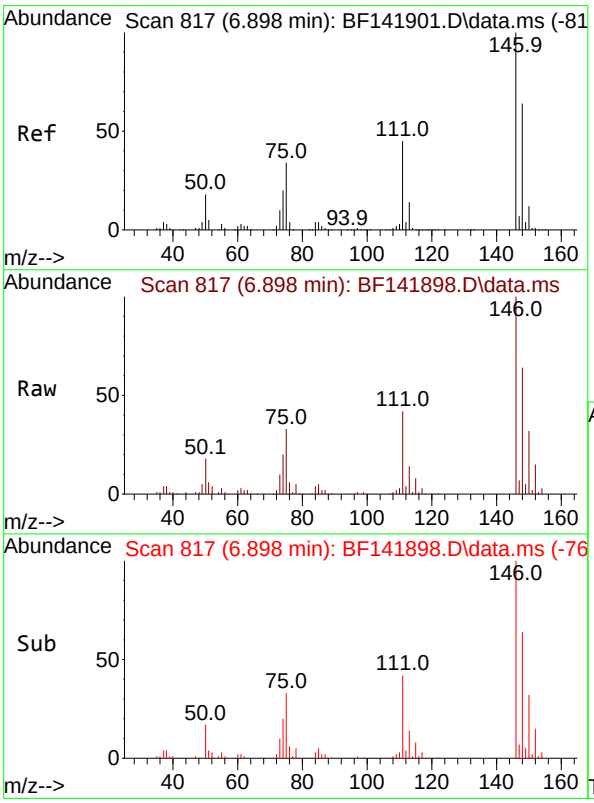

#12
1,3-Dichlorobenzene
Concen: 5.136 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:146 Resp: 84952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 51.3 | 76.9 |
| 75 | 33.3 | 26.6 | 40.0 |

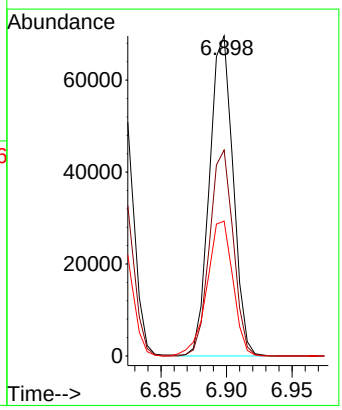


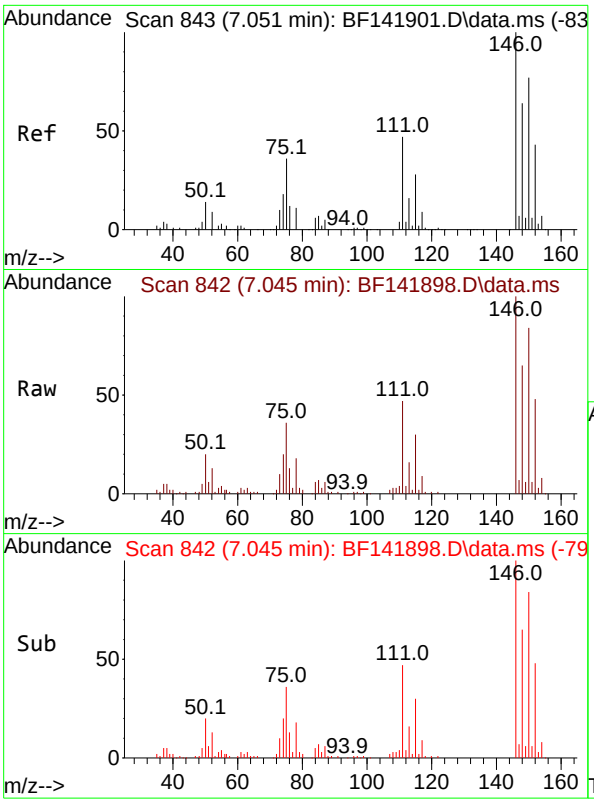




#13
1,4-Dichlorobenzene
Concen: 5.213 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:146 Resp: 87237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.3 | 51.0 | 76.6 |
| 111 | 42.2 | 35.7 | 53.5 |



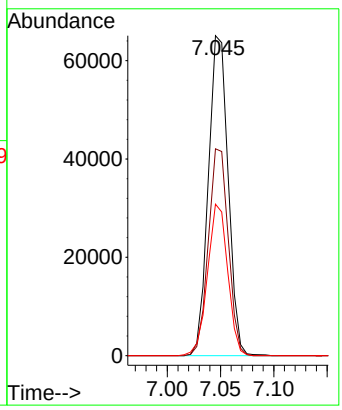


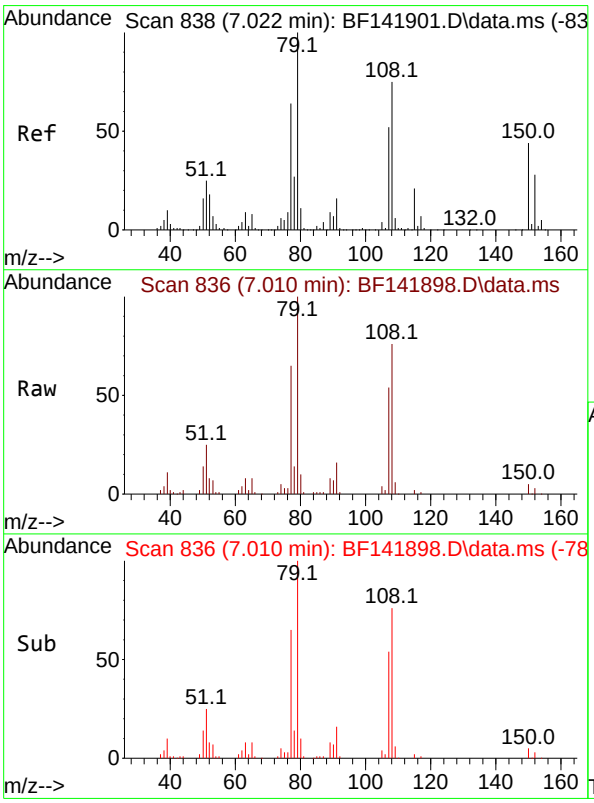

#14
1,2-Dichlorobenzene
Concen: 5.342 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:146 Resp: 84183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.7 | 50.8 | 76.2 |
| 111 | 47.4 | 38.0 | 57.0 |

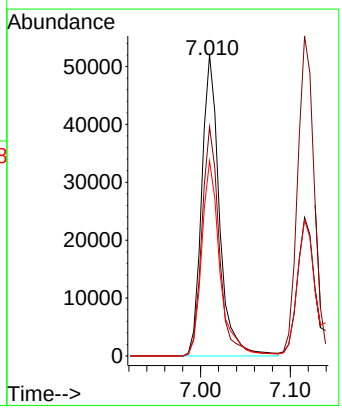


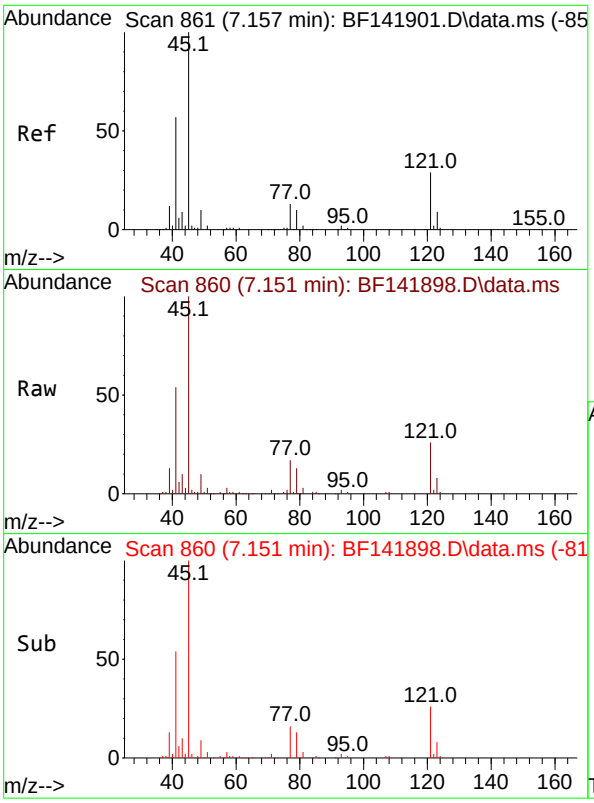




#15
Benzyl Alcohol
Concen: 5.000 ng
RT: 7.010 min Scan# 836
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 79 Resp: 71182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 76.1 | 59.7 | 89.5 |
| 77 | 64.8 | 51.0 | 76.6 |



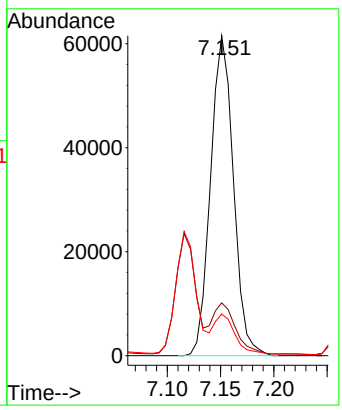


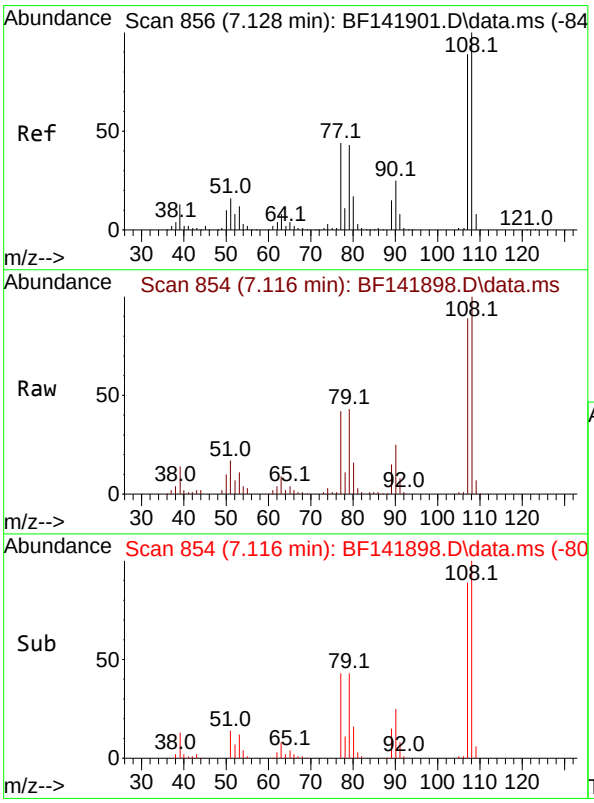

#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.470 ng
RT: 7.151 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion: 45 Resp: 91659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 16.5 | 0.0 | 37.8 |
| 79 | 13.0 | 0.0 | 34.2 |

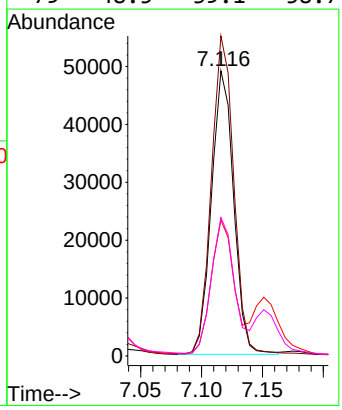


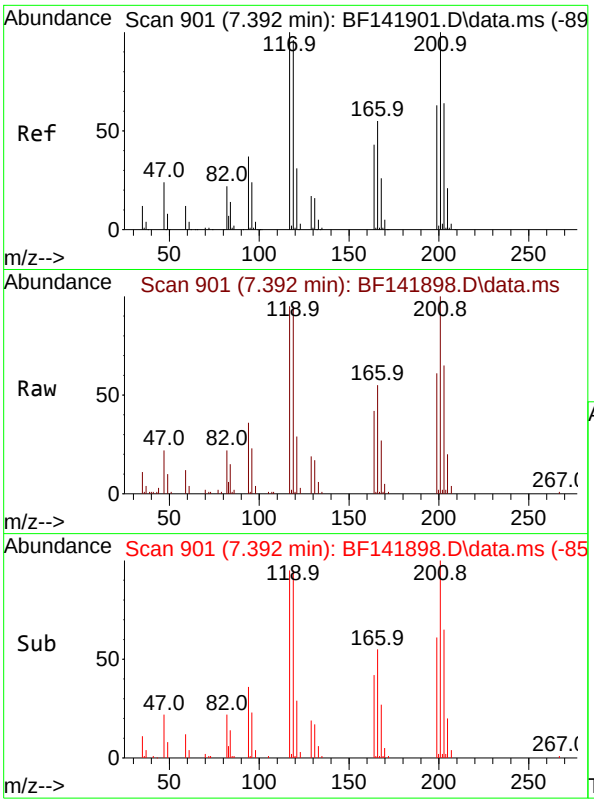




#17
2-Methylphenol
Concen: 5.114 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:107 Resp: 62211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.2 | 90.2 | 135.2 |
| 77 | 47.6 | 39.6 | 59.4 |
| 79 | 48.5 | 39.1 | 58.7 |



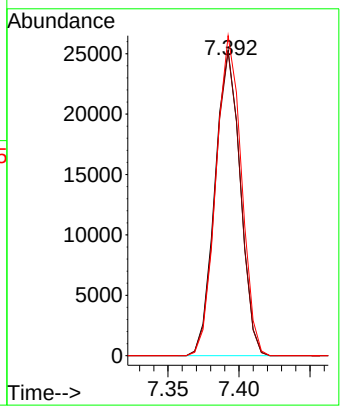


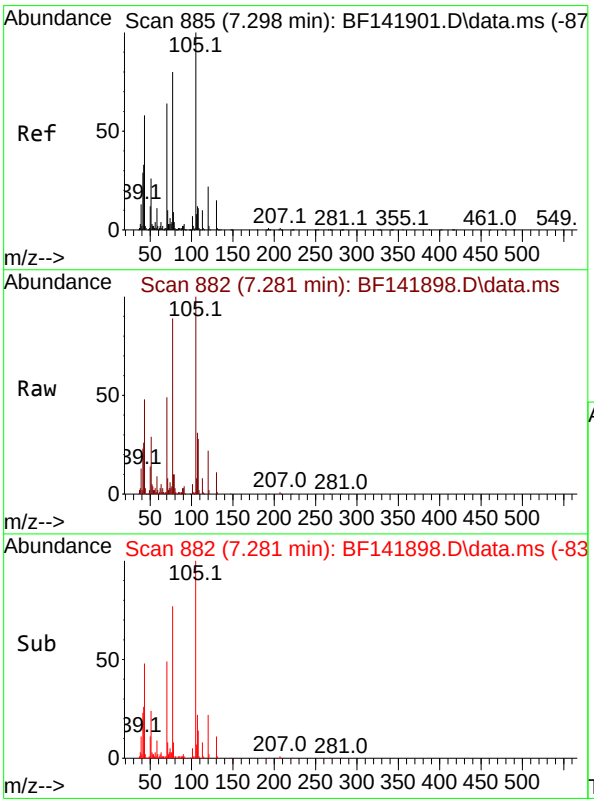

#18
Hexachloroethane
Concen: 5.000 ng
RT: 7.392 min Scan# 9(
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:117 Resp: 31373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 99.3 | 76.9 | 115.3 |
| 201 | 104.7 | 79.9 | 119.9 |

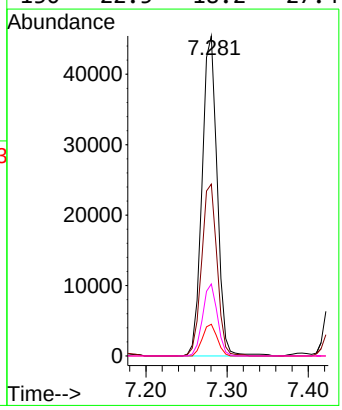


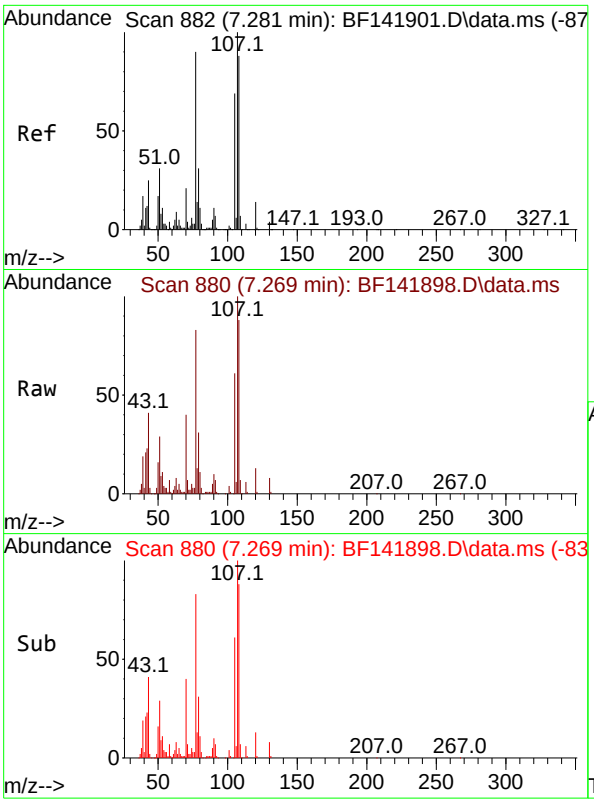




#19
n-Nitroso-di-n-propylamine
Concen: 5.218 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.018 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 70 Resp: 58981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 53.7 | 41.4 | 62.0 |
| 101 | 9.9 | 8.2 | 12.2 |
| 130 | 22.5 | 18.2 | 27.4 |



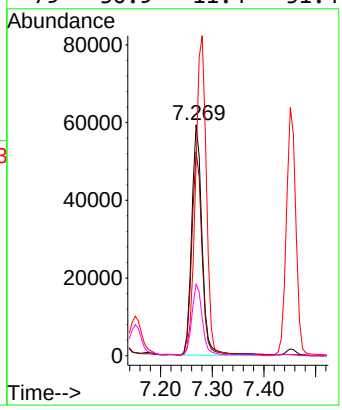


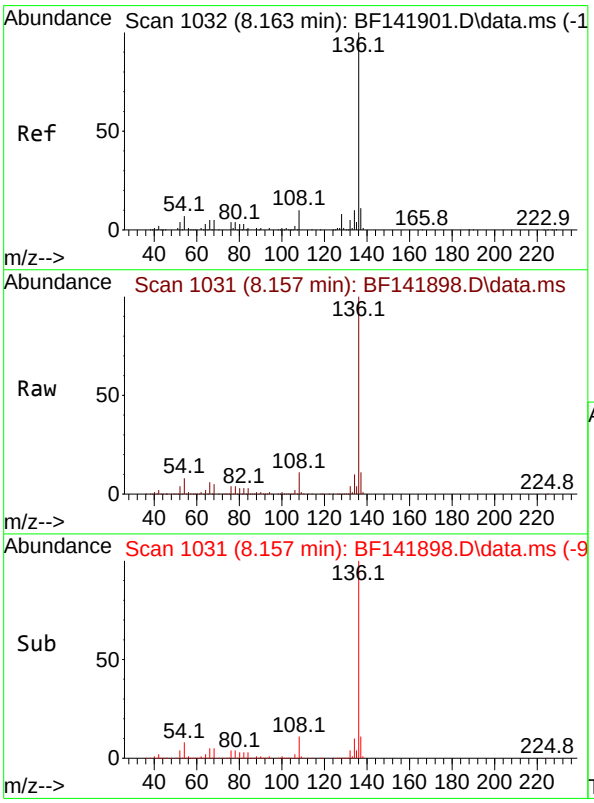

#20
3+4-Methylphenols
Concen: 5.349 ng
RT: 7.269 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:107 Resp: 83461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.4 | 68.4 | 108.4 |
| 77 | 83.1 | 69.7 | 109.7 |
| 79 | 30.9 | 11.4 | 51.4 |

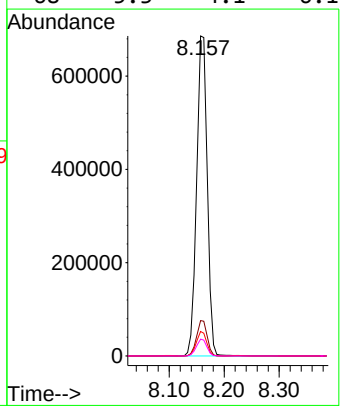


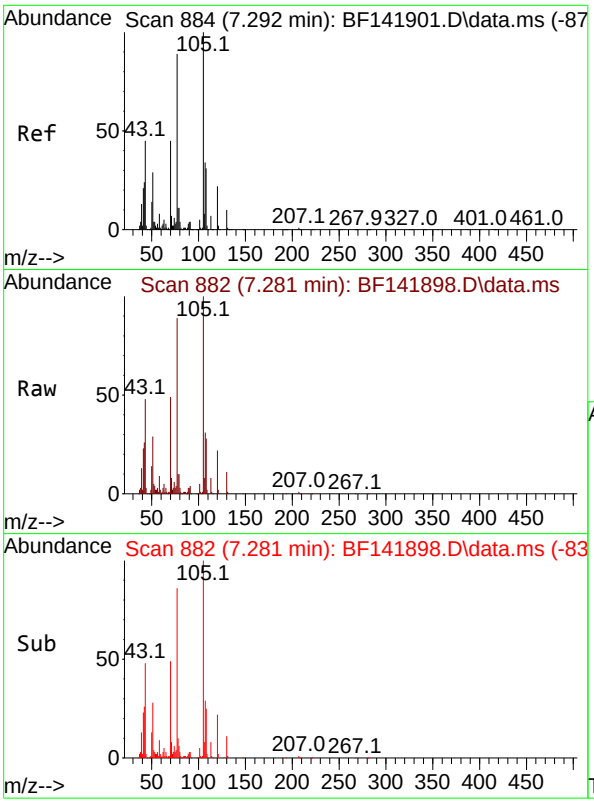




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:136 Resp: 926118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.8 | 13.2 |
| 54 | 7.7 | 5.8 | 8.8 |
| 68 | 5.3 | 4.1 | 6.1 |



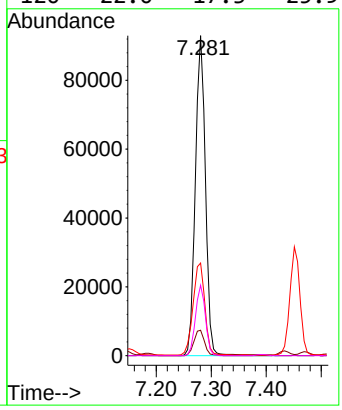


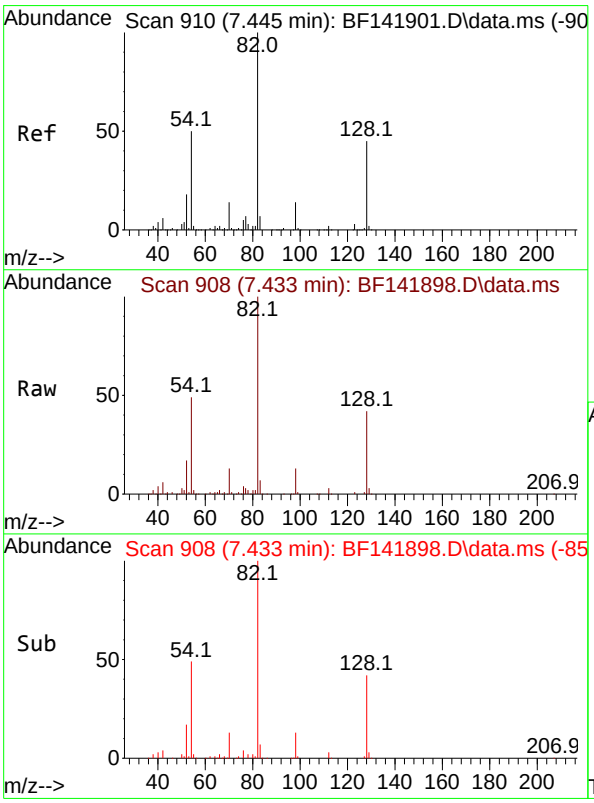

#22
Acetophenone
Concen: 5.358 ng
RT: 7.281 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:105 Resp: 119040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.0 | 5.8 | 8.8 |
| 51 | 29.0 | 23.4 | 35.0 |
| 120 | 22.0 | 17.3 | 25.9 |

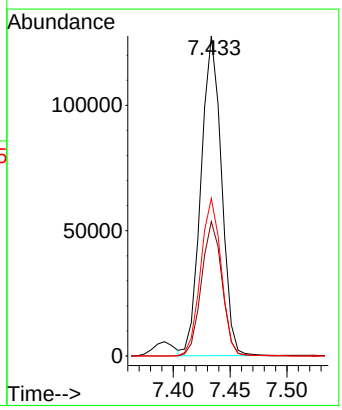


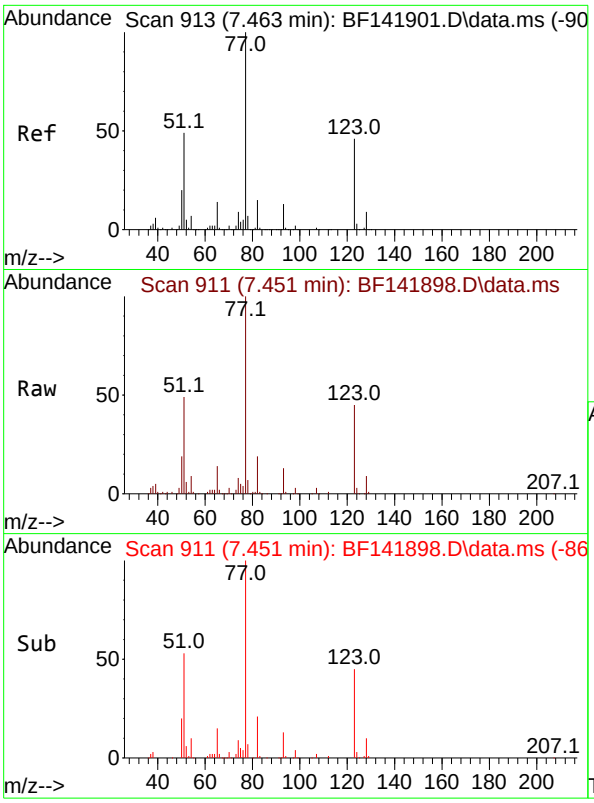




#23
Nitrobenzene-d5
Concen: 9.670 ng
RT: 7.433 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 82 Resp: 159777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.0 | 36.0 | 54.0 |
| 54 | 49.2 | 39.6 | 59.4 |



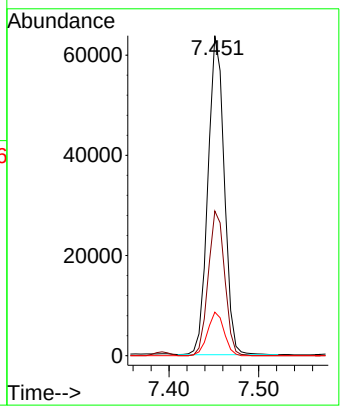


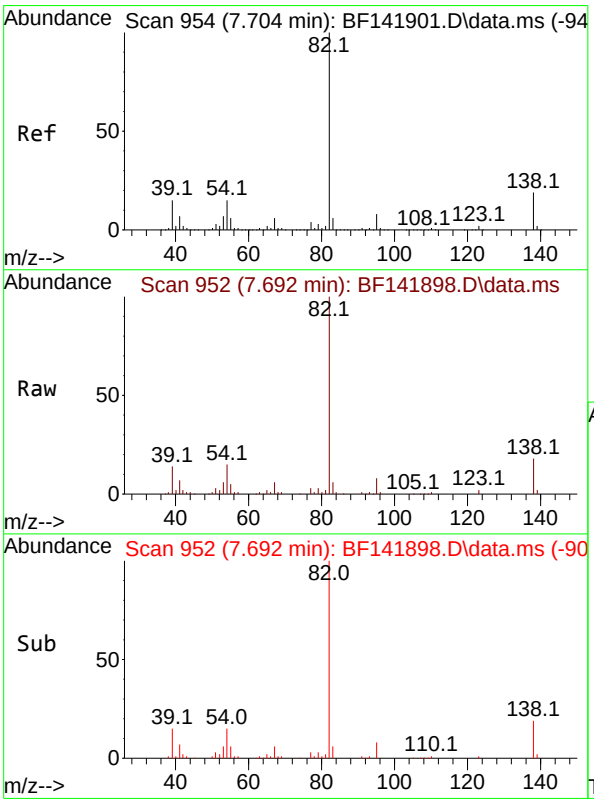

#24
Nitrobenzene
Concen: 4.904 ng
RT: 7.451 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion: 77 Resp: 80338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 45.2 | 37.0 | 55.4 |
| 65 | 13.6 | 11.3 | 16.9 |

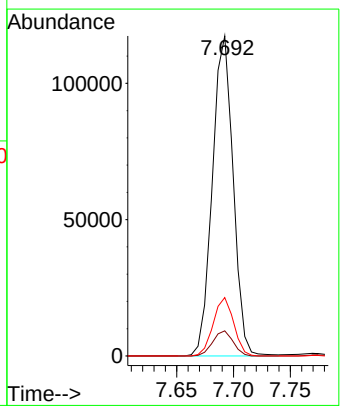


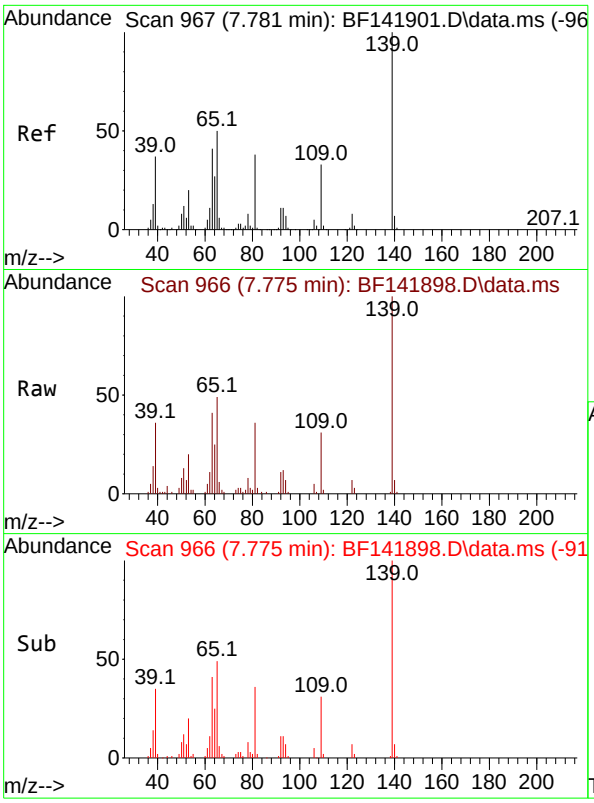




#25
Isophorone
Concen: 5.135 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 82 Resp: 149807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.8 | 6.4 | 9.6 |
| 138 | 18.3 | 14.9 | 22.3 |



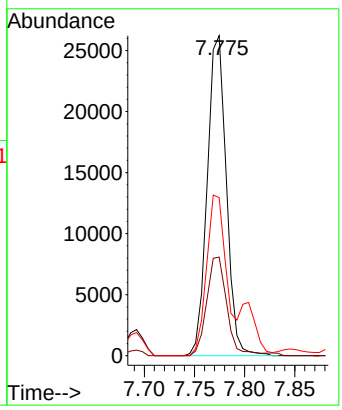


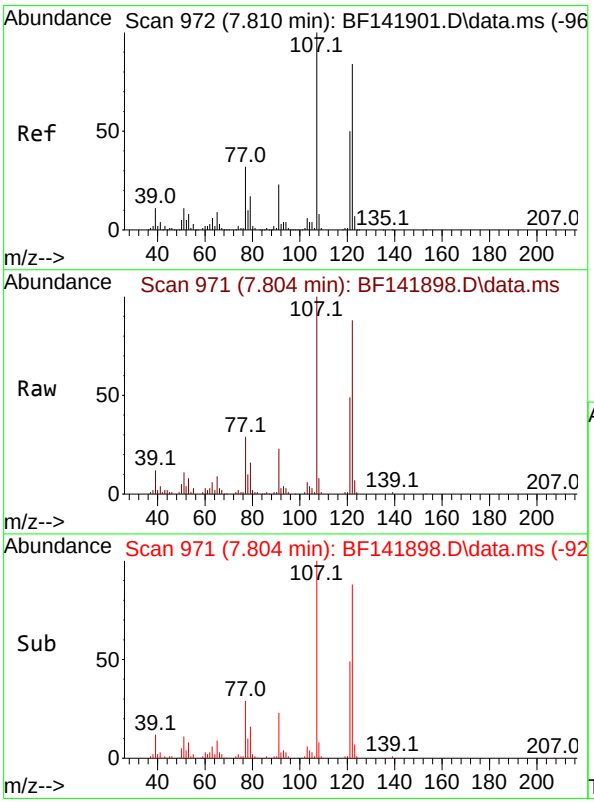

#26
2-Nitrophenol
Concen: 4.329 ng
RT: 7.775 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:139 Resp: 34757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 30.8 | 26.5 | 39.7 |
| 65 | 49.4 | 40.3 | 60.5 |

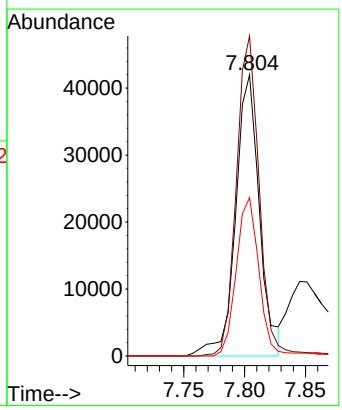


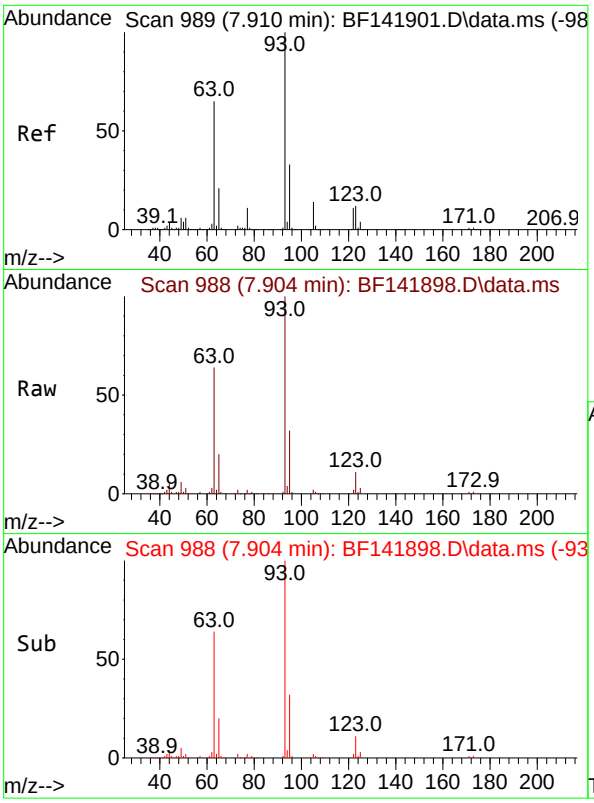




#27
2,4-Dimethylphenol
Concen: 5.164 ng
RT: 7.804 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:122 Resp: 57106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 113.8 | 94.8 | 142.2 |
| 121 | 56.3 | 47.8 | 71.6 |



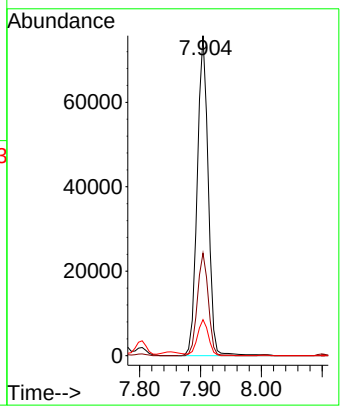


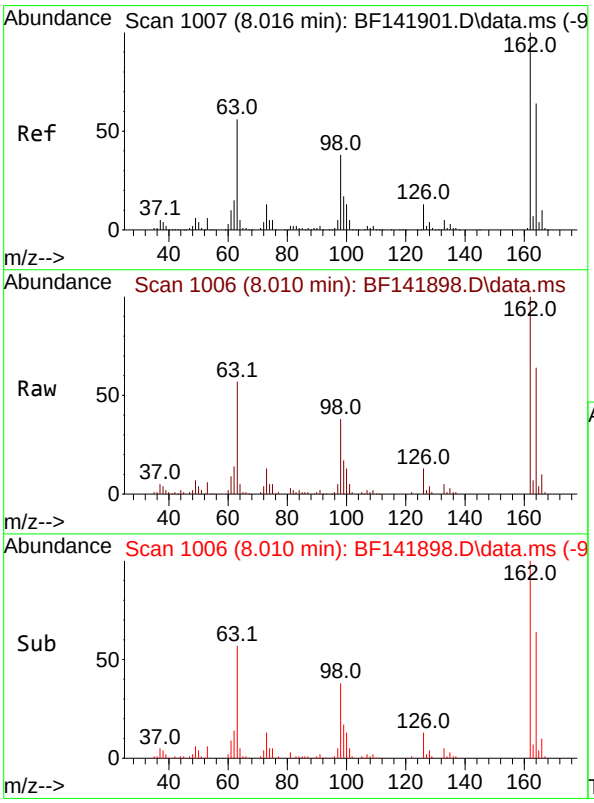

#28
bis(2-Chloroethoxy)methane
Concen: 5.210 ng
RT: 7.904 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion: 93 Resp: 95214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.1 | 26.6 | 40.0 |
| 123 | 11.3 | 10.2 | 15.4 |

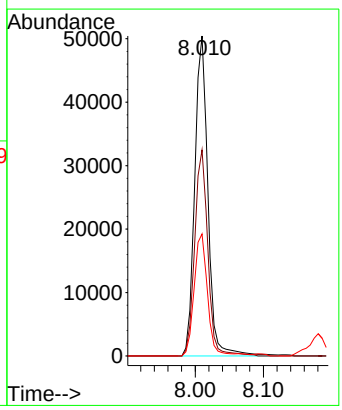


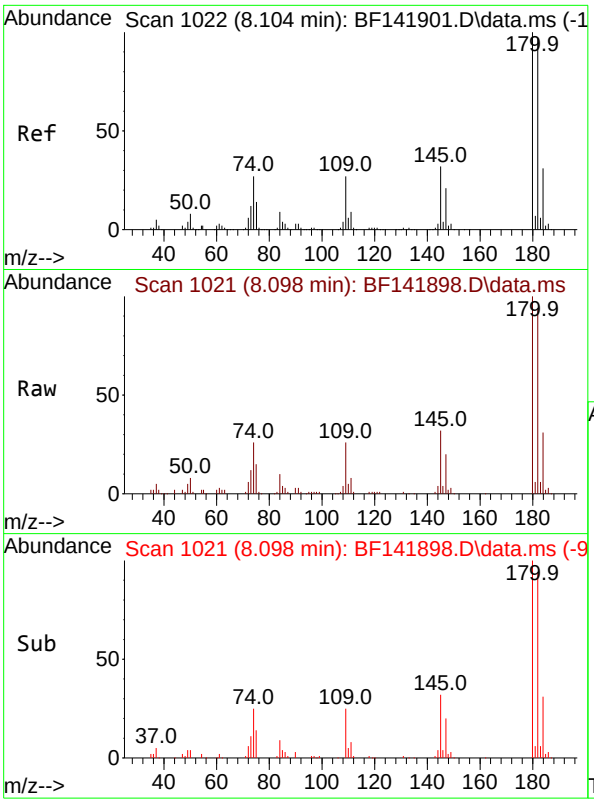




#29
2,4-Dichlorophenol
Concen: 4.934 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:162 Resp: 67710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.4 | 43.8 | 83.8 |
| 98 | 38.2 | 18.1 | 58.1 |



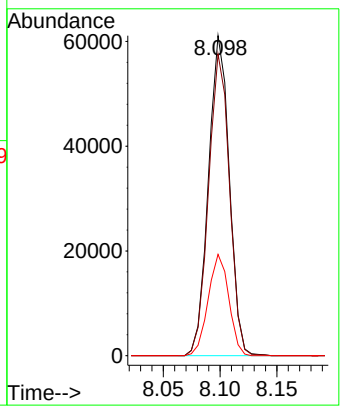


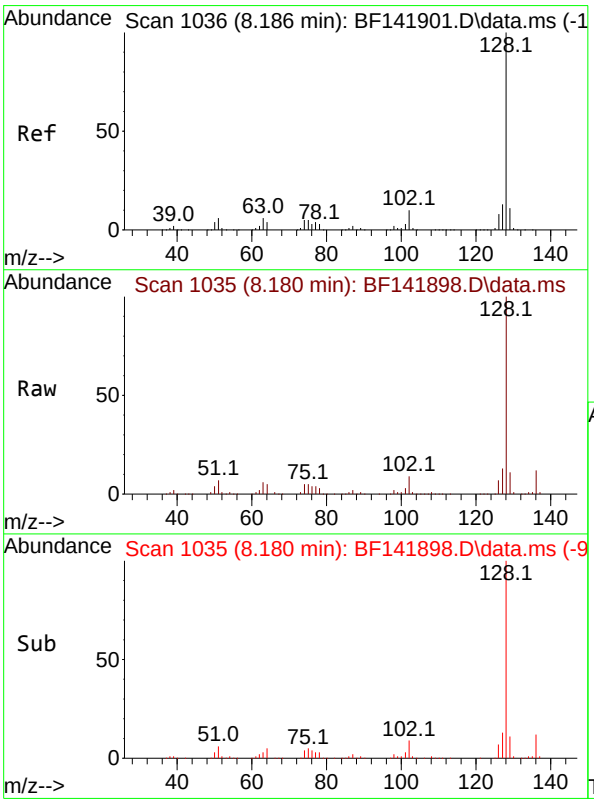

#30
1,2,4-Trichlorobenzene
Concen: 5.160 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:180 Resp: 78127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.3 | 77.5 | 116.3 |
| 145 | 31.6 | 25.8 | 38.6 |

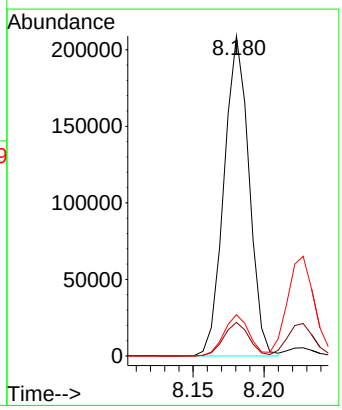


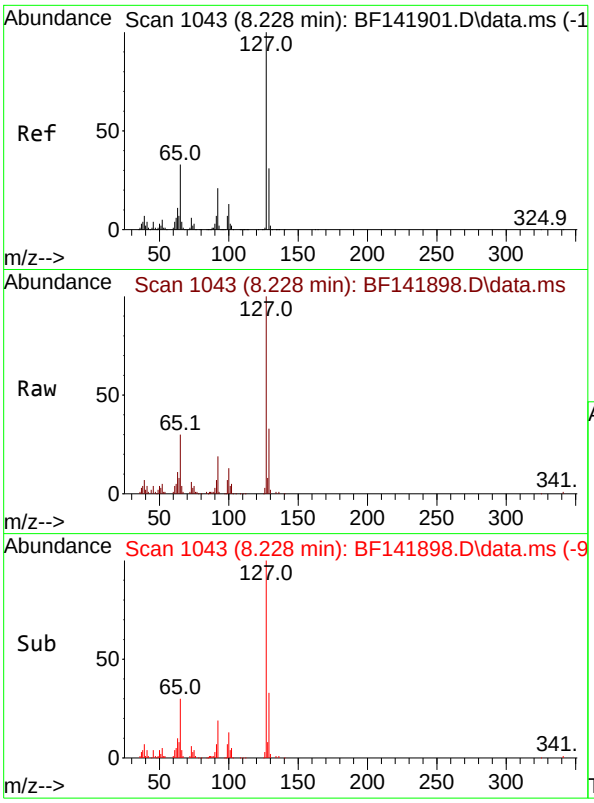




#31
Naphthalene
Concen: 5.388 ng
RT: 8.180 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:128 Resp: 255632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.5 | 9.0 | 13.6 |
| 127 | 12.9 | 10.8 | 16.2 |



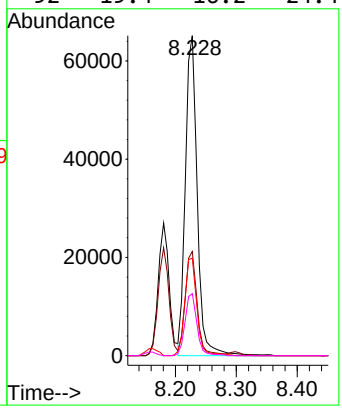


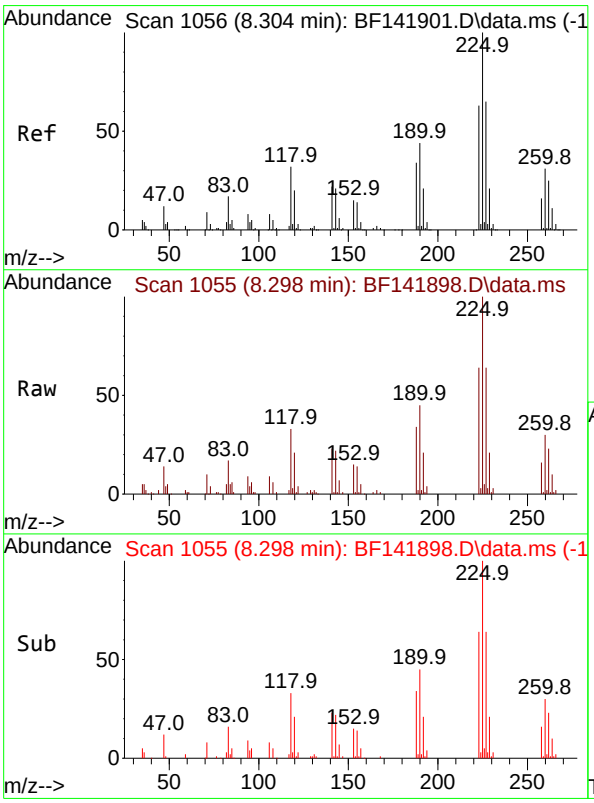

#33
4-Chloroaniline
Concen: 5.294 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:127 Resp: 88635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.6 | 26.2 | 39.4 |
| 65 | 30.5 | 25.4 | 38.2 |
| 92 | 19.4 | 16.2 | 24.4 |

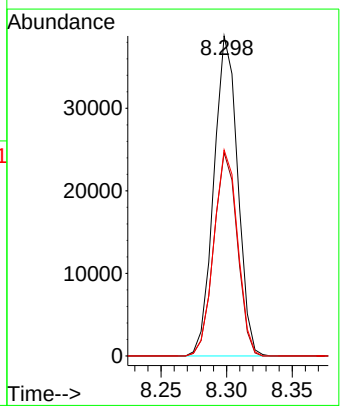


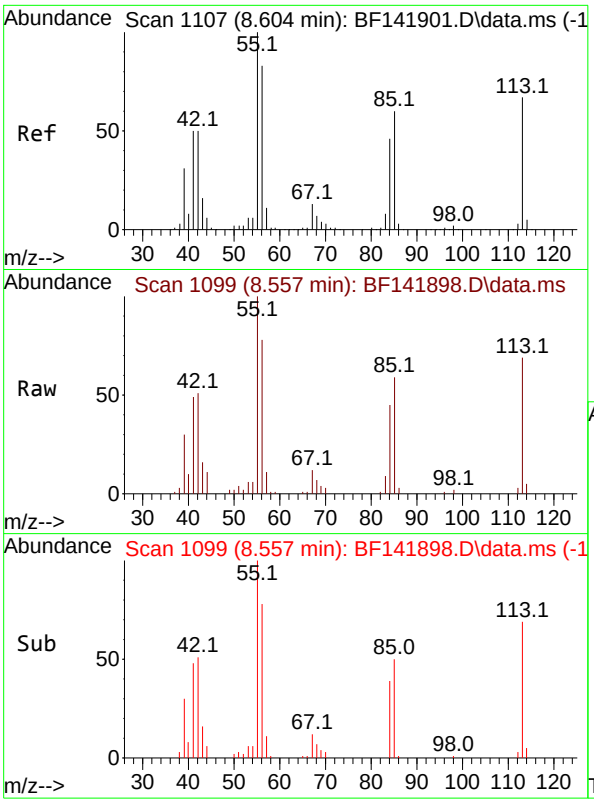




#34
Hexachlorobutadiene
Concen: 4.966 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:225 Resp: 48885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.6 | 50.6 | 75.8 |
| 227 | 64.4 | 52.2 | 78.2 |



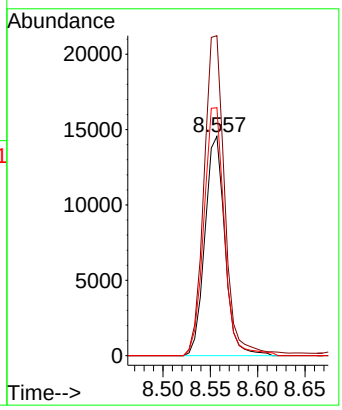


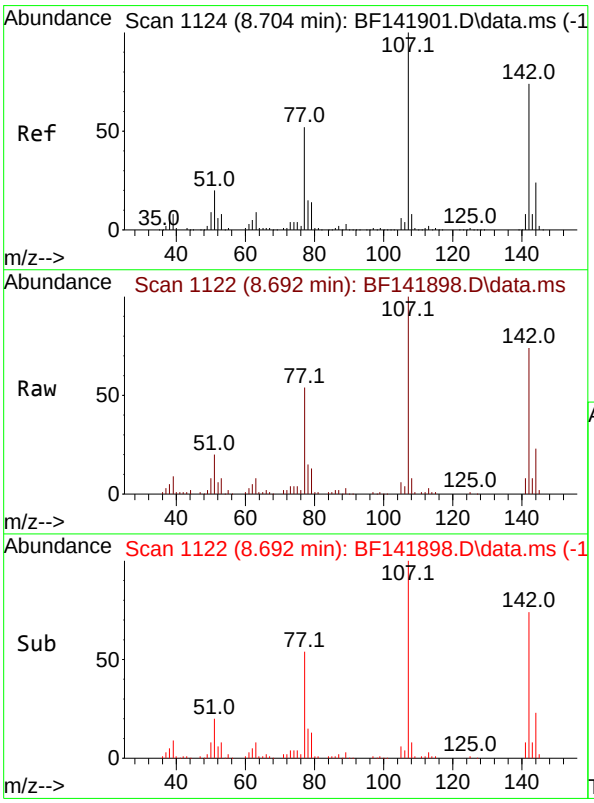

#35
Caprolactam
Concen: 5.118 ng
RT: 8.557 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:113 Resp: 21358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 145.9 | 129.6 | 169.6 |
| 56 | 113.1 | 104.0 | 144.0 |

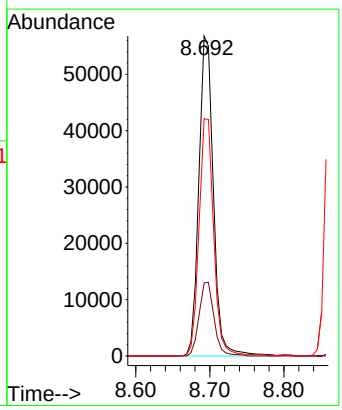


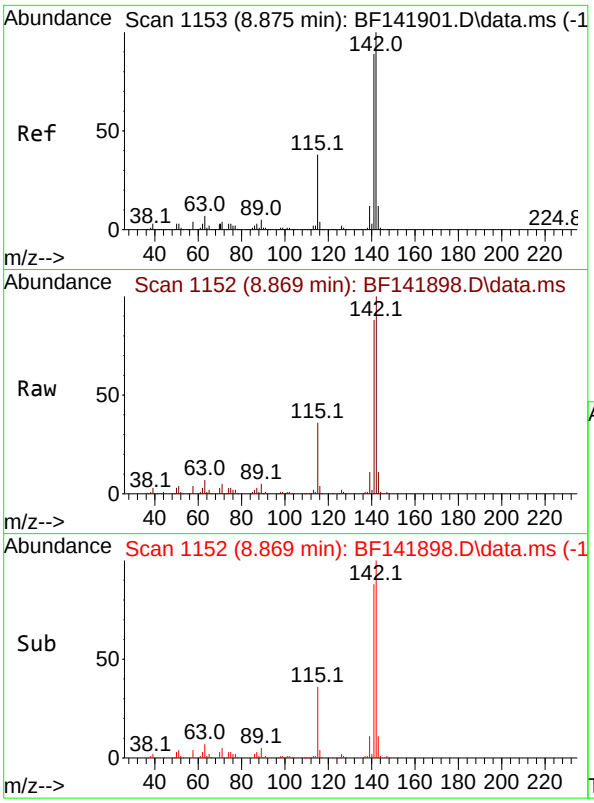




#36
4-Chloro-3-methylphenol
Concen: 5.070 ng
RT: 8.692 min Scan# 1122
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:107 Resp: 77370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 22.8 | 19.0 | 28.6 |
| 142 | 74.2 | 59.2 | 88.8 |



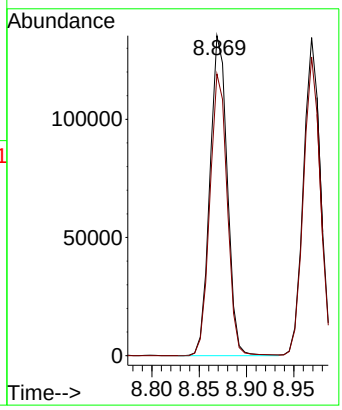


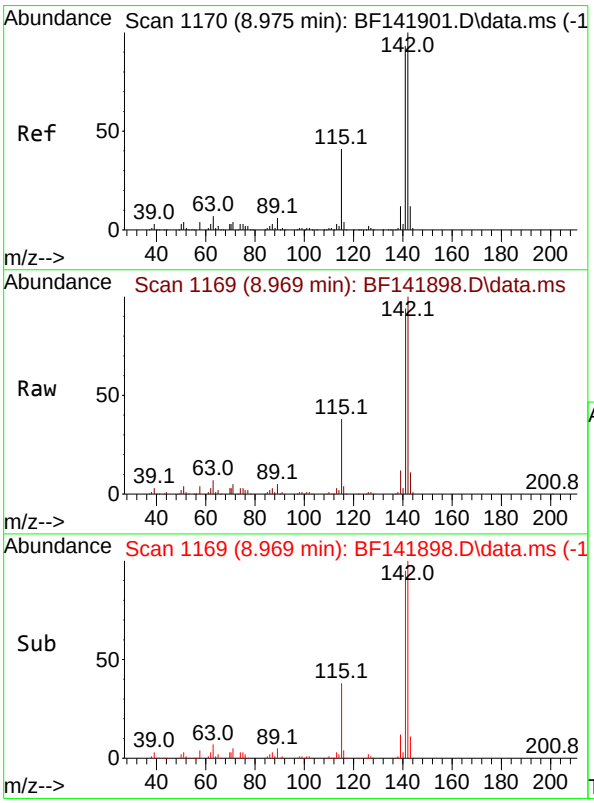

#37
2-Methylnaphthalene
Concen: 5.427 ng
RT: 8.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:142 Resp: 172734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.1 | 71.2 | 106.8 |

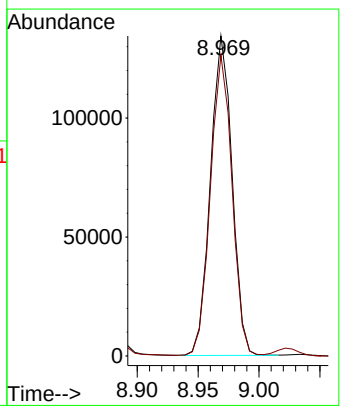


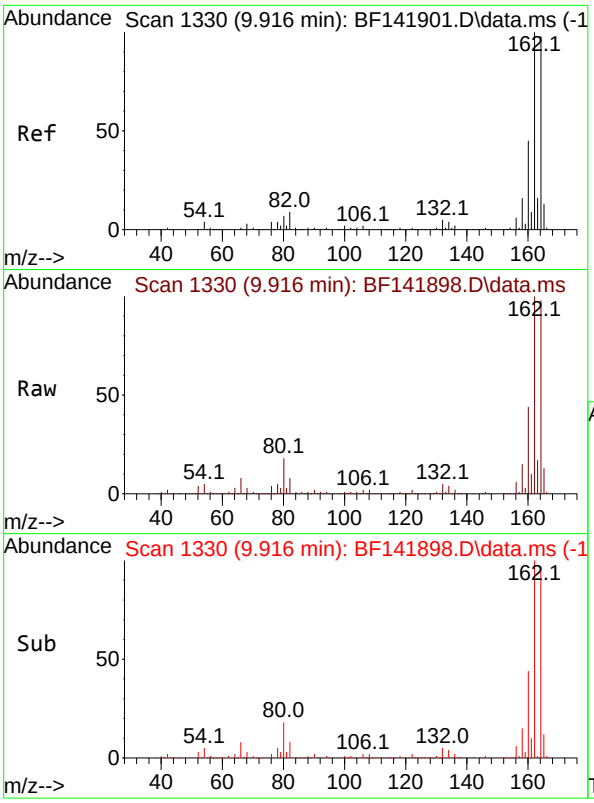




#38
1-Methylnaphthalene
Concen: 5.387 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:142 Resp: 166050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.9 | 74.2 | 111.4 |



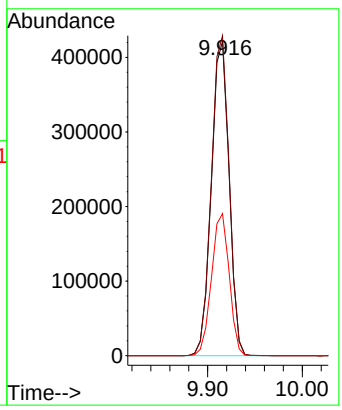


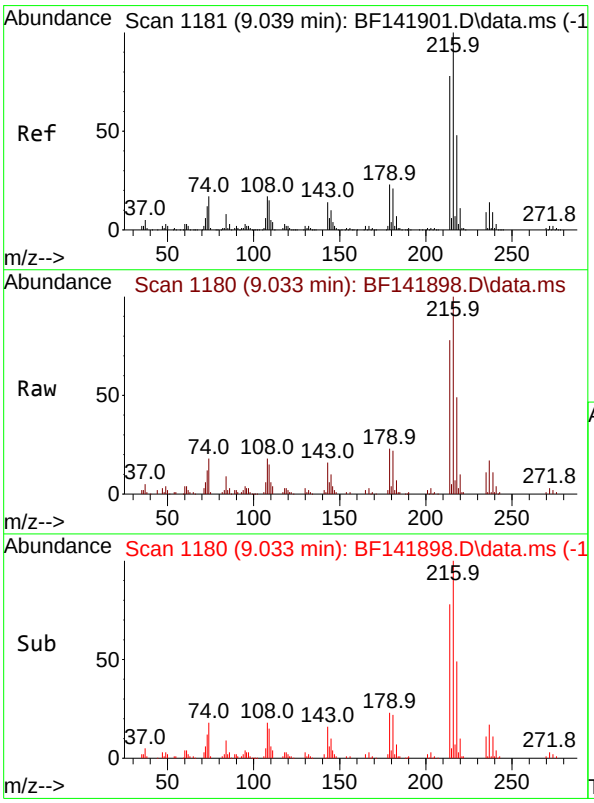

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:164 Resp: 546702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.8 | 81.8 | 122.6 |
| 160 | 45.2 | 36.7 | 55.1 |

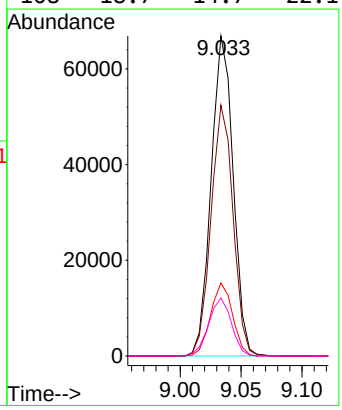


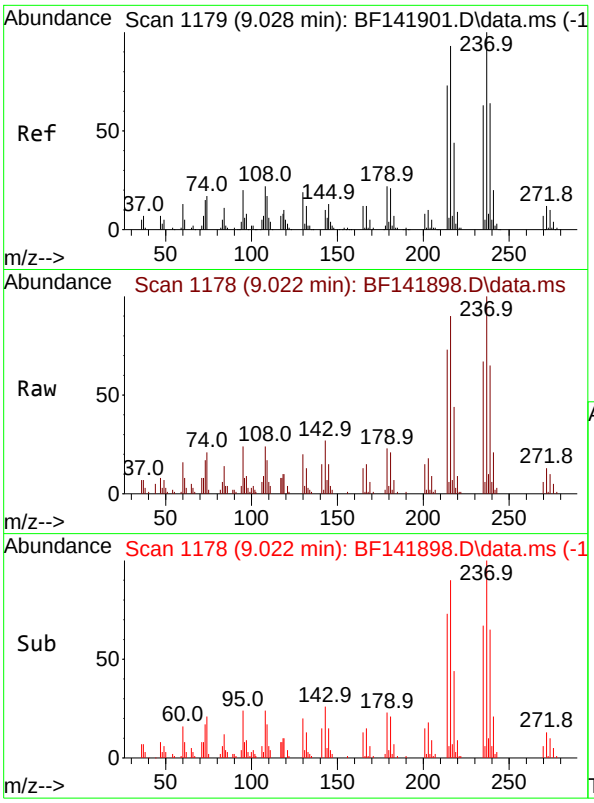




#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.041 ng
RT: 9.033 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:216 Resp: 84034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.6 | 61.9 | 92.9 |
| 179 | 22.8 | 18.1 | 27.1 |
| 108 | 18.7 | 14.7 | 22.1 |



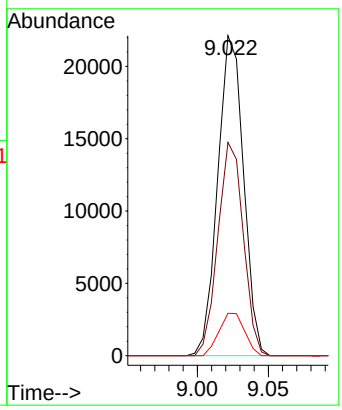


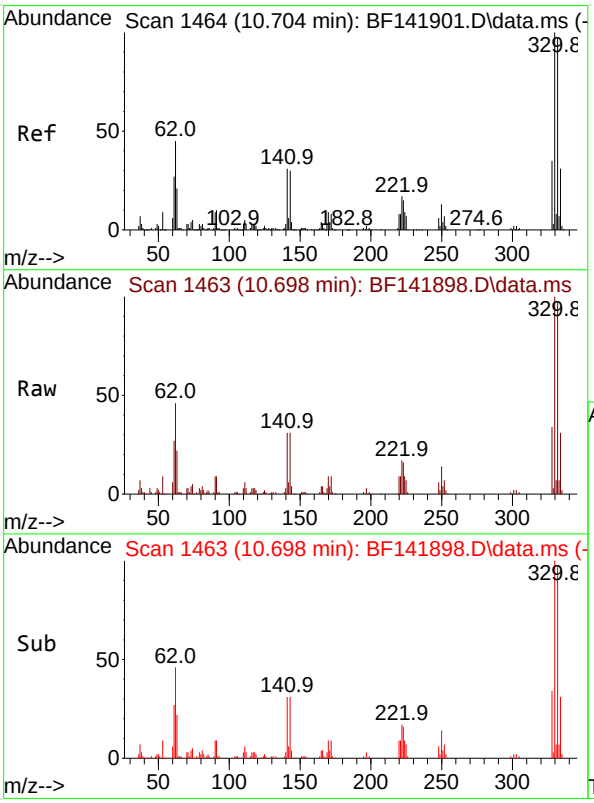

#41
Hexachlorocyclopentadiene
Concen: 4.246 ng
RT: 9.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:237 Resp: 27931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 66.6 | 43.1 | 83.1 |
| 272 | 13.2 | 0.0 | 32.0 |

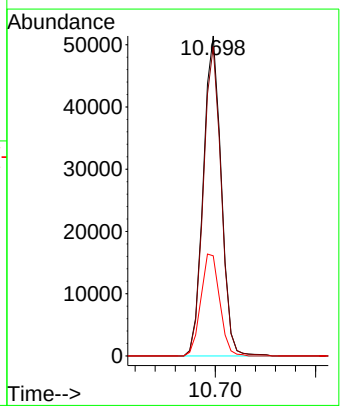


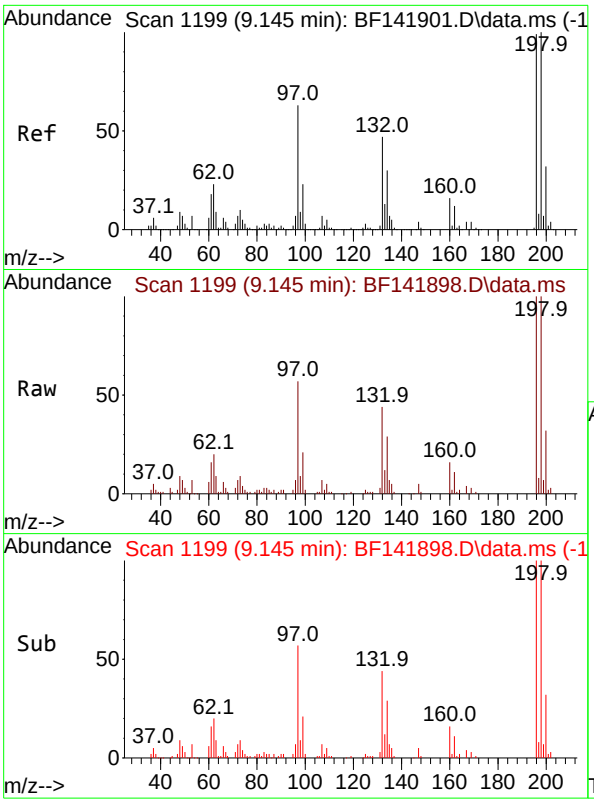




#42
2,4,6-Tribromophenol
Concen: 9.238 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:330 Resp: 63996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.3 | 77.6 | 116.4 |
| 141 | 33.4 | 24.7 | 37.1 |



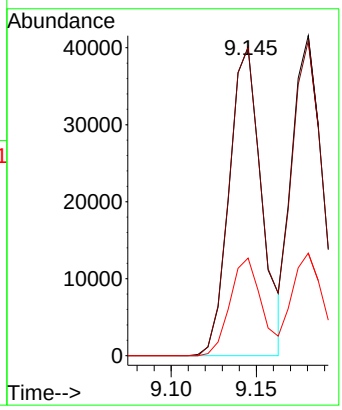


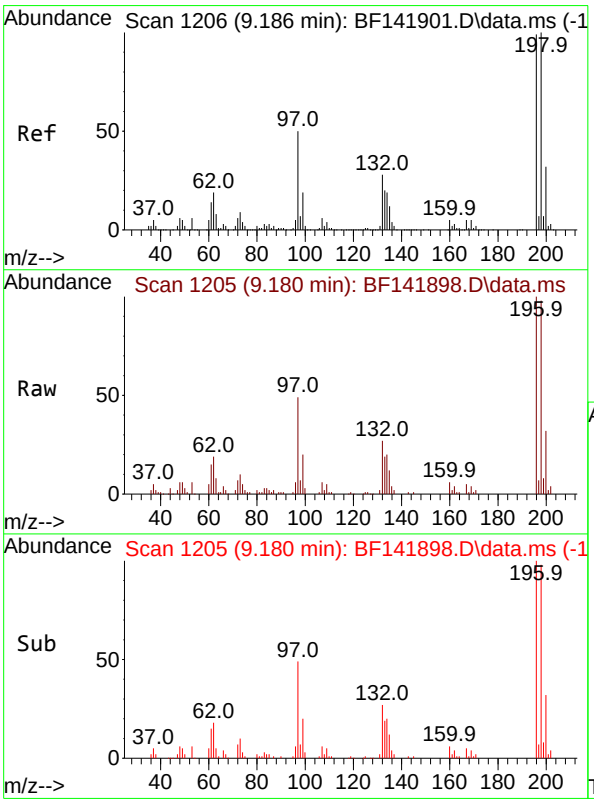

#43
2,4,6-Trichlorophenol
Concen: 4.877 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:196 Resp: 52998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.7 | 80.6 | 121.0 |
| 200 | 31.6 | 25.8 | 38.6 |

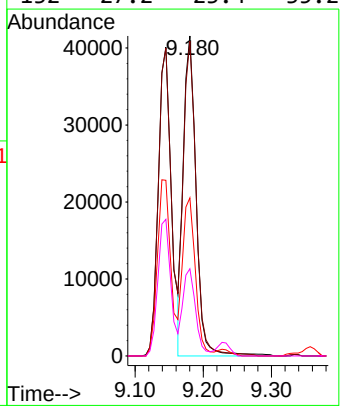


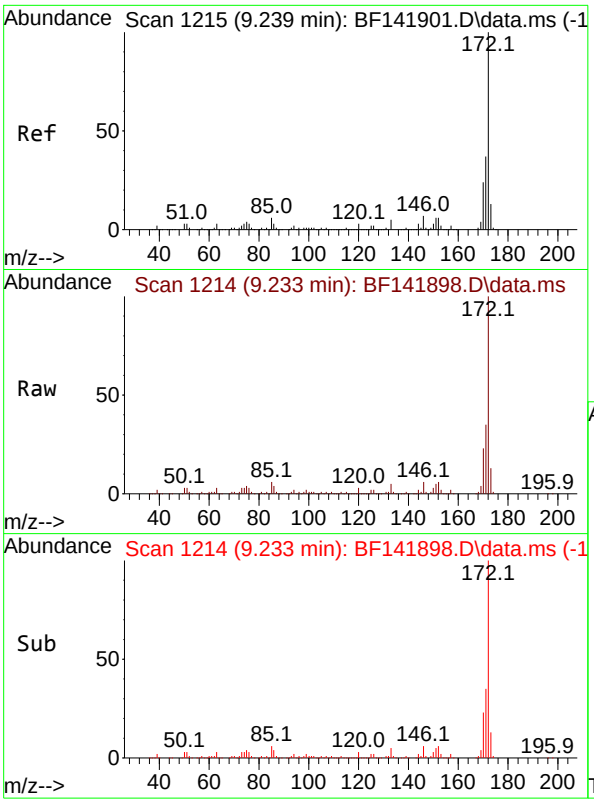




#44
2,4,5-Trichlorophenol
Concen: 4.901 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:196 Resp: 54111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 98.4 | 80.7 | 121.1 |
| 97 | 49.4 | 42.1 | 63.1 |
| 132 | 27.2 | 23.4 | 35.2 |



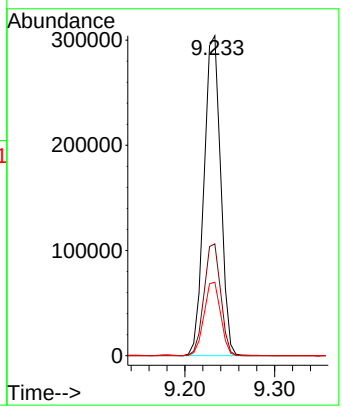


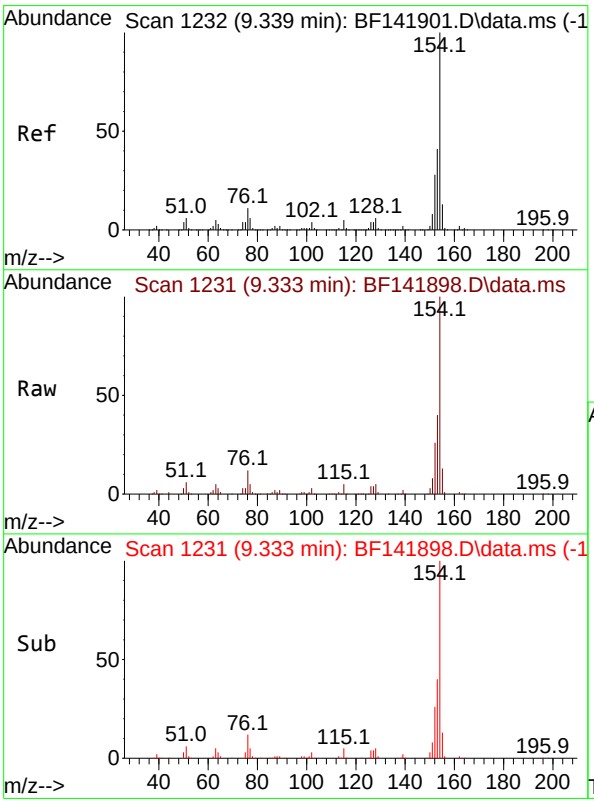

#45
2-Fluorobiphenyl
Concen: 10.888 ng
RT: 9.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:172 Resp: 390913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.9 | 29.3 | 43.9 |
| 170 | 23.0 | 19.4 | 29.0 |

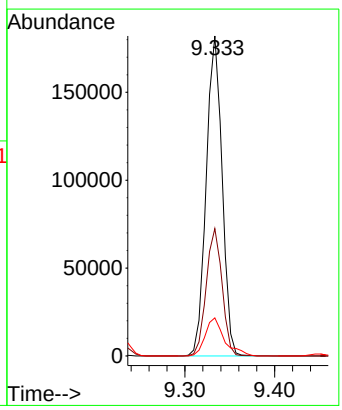


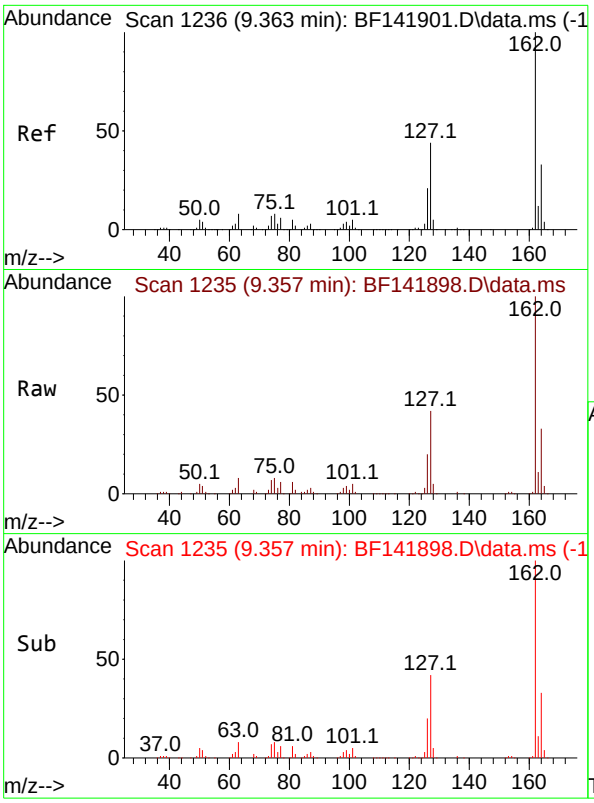




#46
1,1'-Biphenyl
Concen: 5.395 ng
RT: 9.333 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:154 Resp: 223637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.8 | 21.1 | 61.1 |
| 76 | 11.9 | 0.0 | 31.3 |



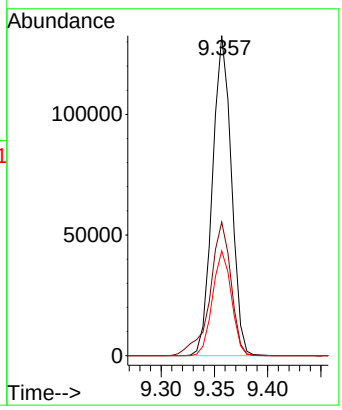


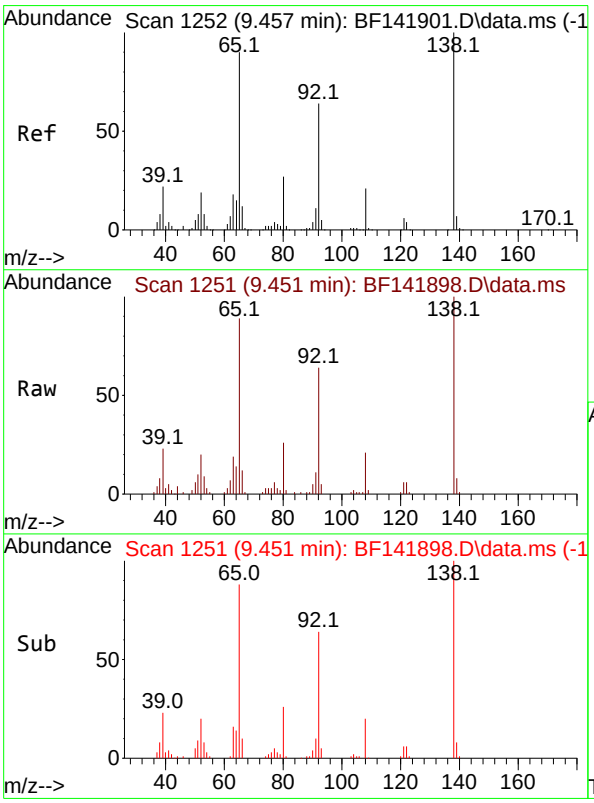

#47
2-Chloronaphthalene
Concen: 5.298 ng
RT: 9.357 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:162 Resp: 163642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 41.7 | 35.5 | 53.3 |
| 164 | 32.8 | 26.6 | 40.0 |

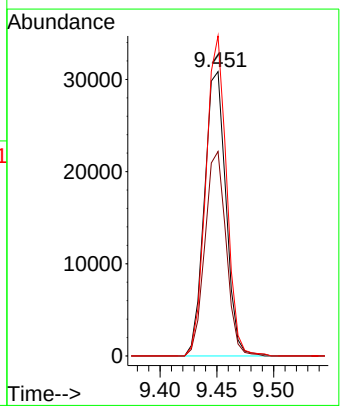


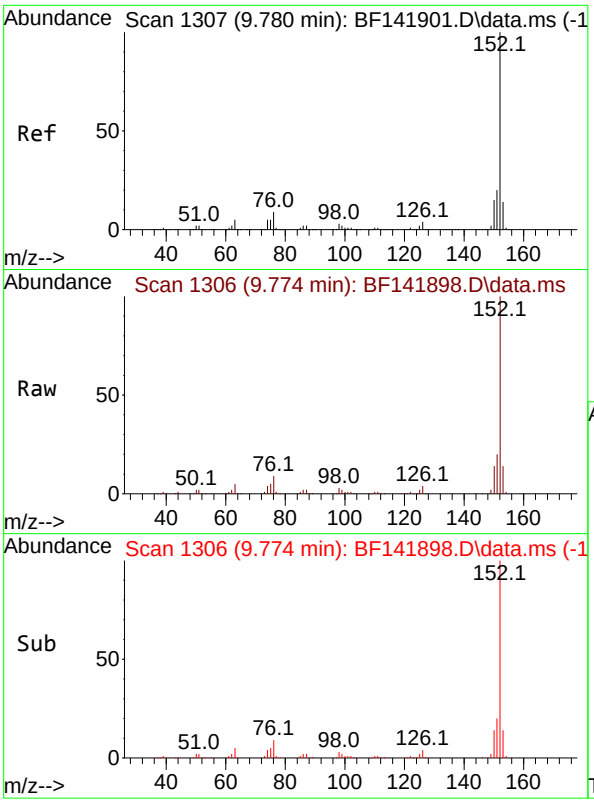




#48
2-Nitroaniline
Concen: 4.561 ng
RT: 9.451 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 65 Resp: 40475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 71.9 | 56.6 | 84.8 |
| 138 | 112.5 | 88.6 | 133.0 |



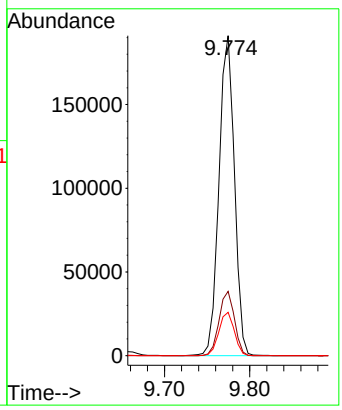


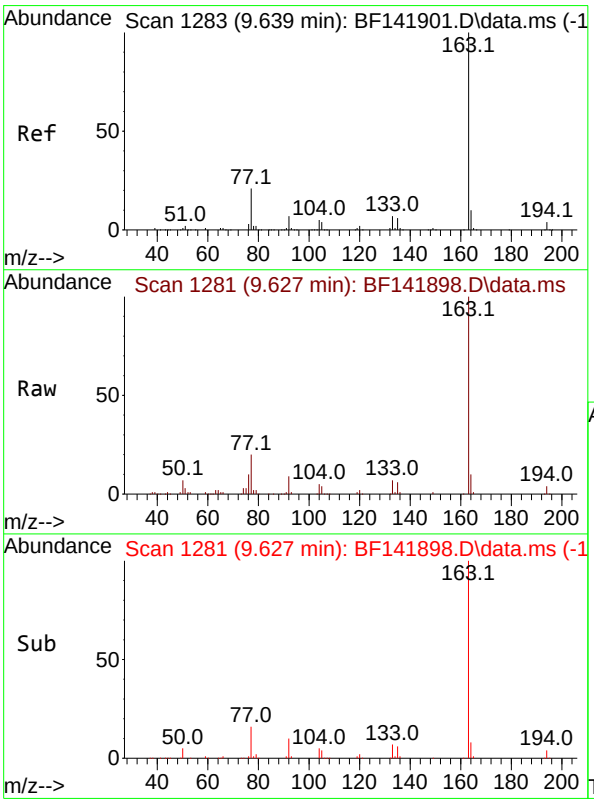

#49
Acenaphthylene
Concen: 5.268 ng
RT: 9.774 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:152 Resp: 241253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.3 | 24.5 |
| 153 | 13.6 | 11.1 | 16.7 |

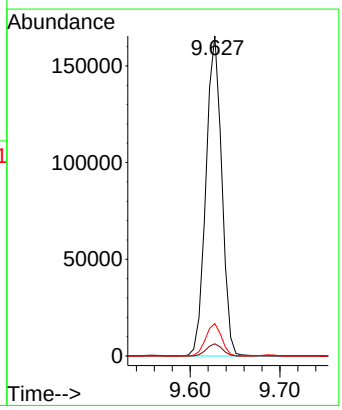


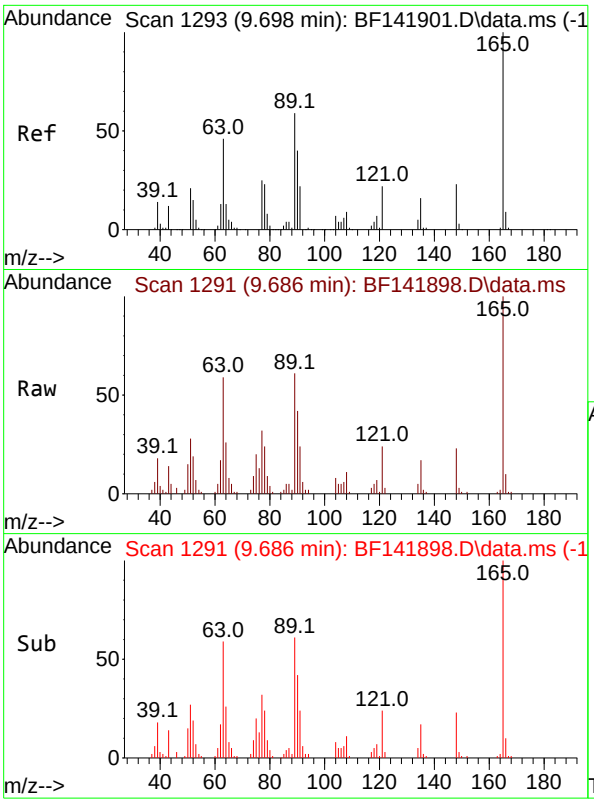




#50
Dimethylphthalate
Concen: 5.328 ng
RT: 9.627 min Scan# 1281
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:163 Resp: 202373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.1 | 4.7 |
| 164 | 10.1 | 8.2 | 12.4 |



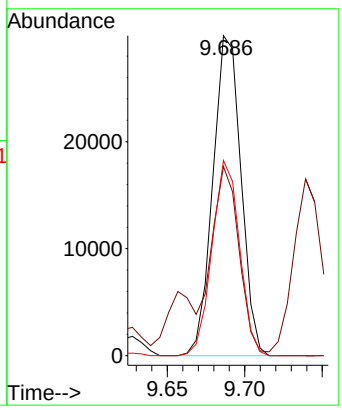


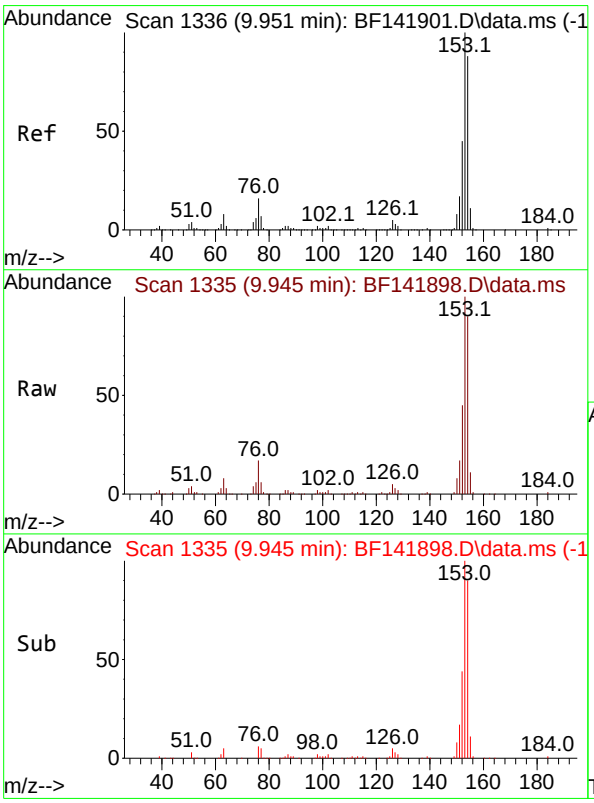

#51
2,6-Dinitrotoluene
Concen: 4.785 ng
RT: 9.686 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:165 Resp: 37796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 59.1 | 47.0 | 70.4 |
| 89 | 61.0 | 47.4 | 71.2 |

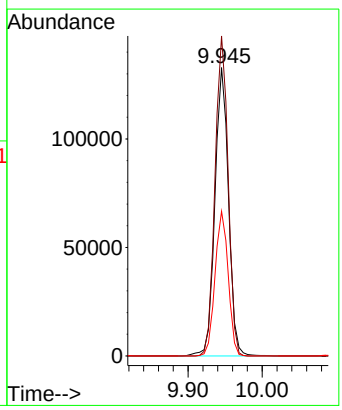


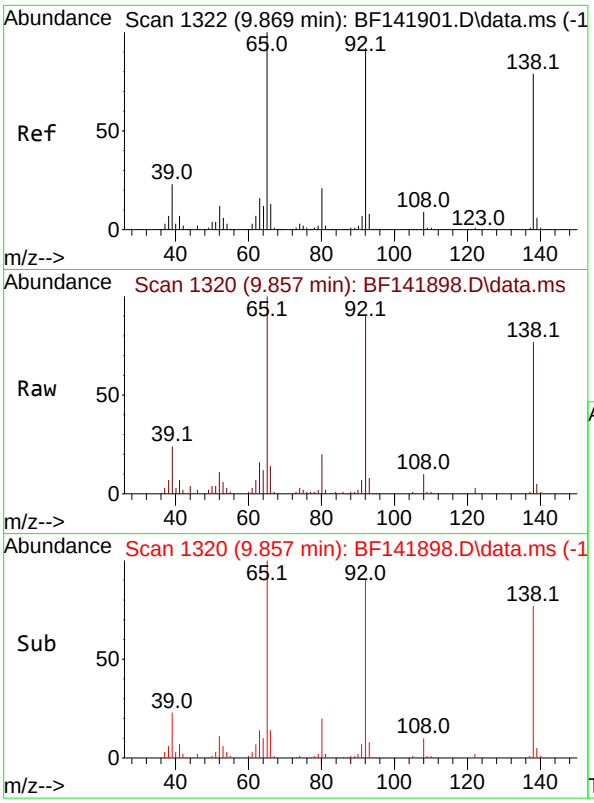




#52
Acenaphthene
Concen: 5.225 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:154 Resp: 168975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.0 | 90.7 | 136.1 |
| 152 | 50.2 | 41.1 | 61.7 |



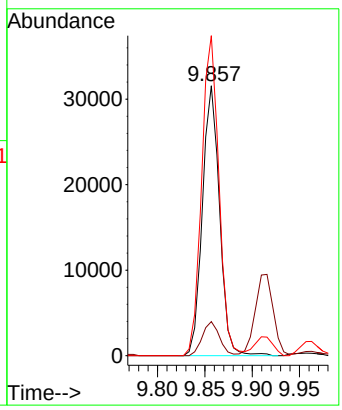


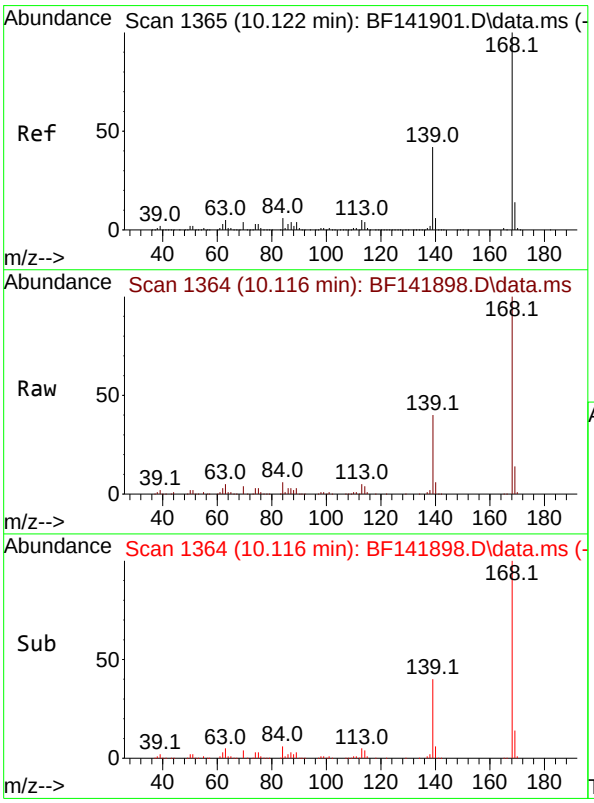

#53
3-Nitroaniline
Concen: 4.902 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:138 Resp: 39761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 12.6 | 9.3 | 13.9 |
| 92 | 118.6 | 93.5 | 140.3 |

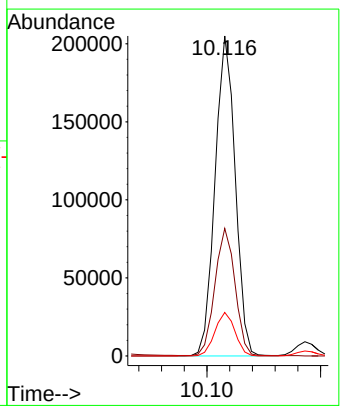


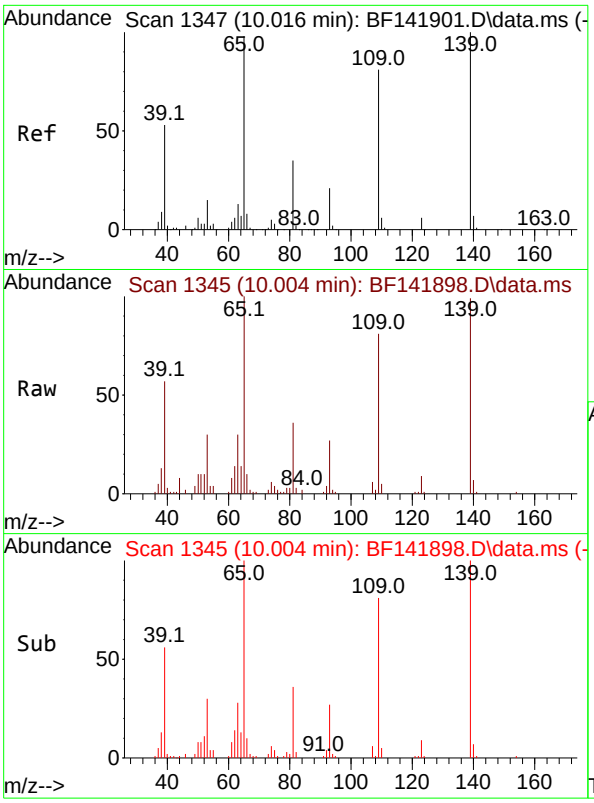




#55
Dibenzofuran
Concen: 5.481 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:168 Resp: 252715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.8 | 33.9 | 50.9 |
| 169 | 13.6 | 11.0 | 16.4 |



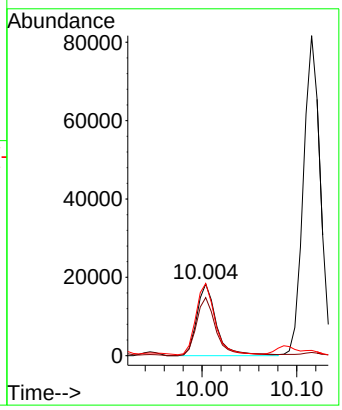


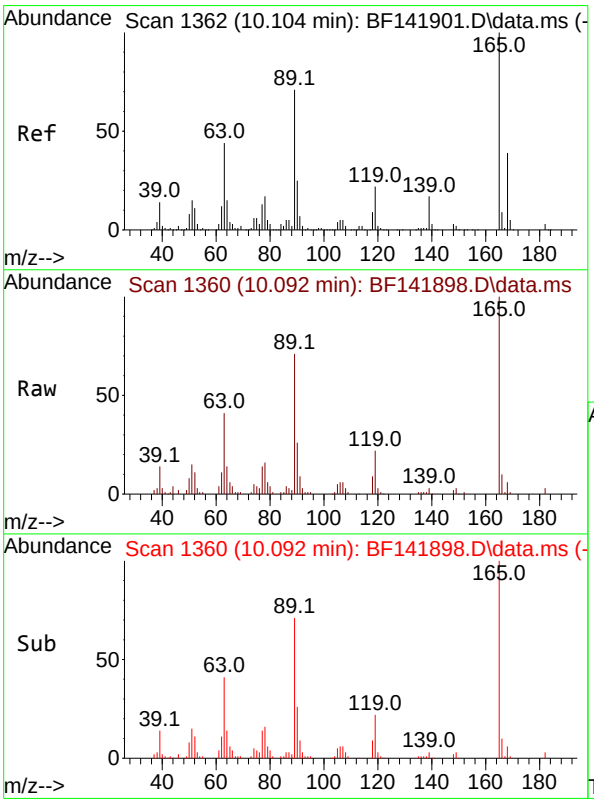

#56
4-Nitrophenol
Concen: 4.309 ng
RT: 10.004 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:139 Resp: 26252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 81.1 | 61.6 | 101.6 |
| 65 | 100.7 | 79.4 | 119.4 |

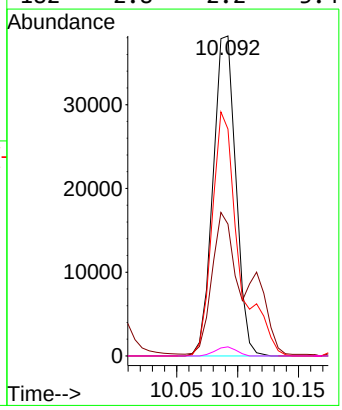


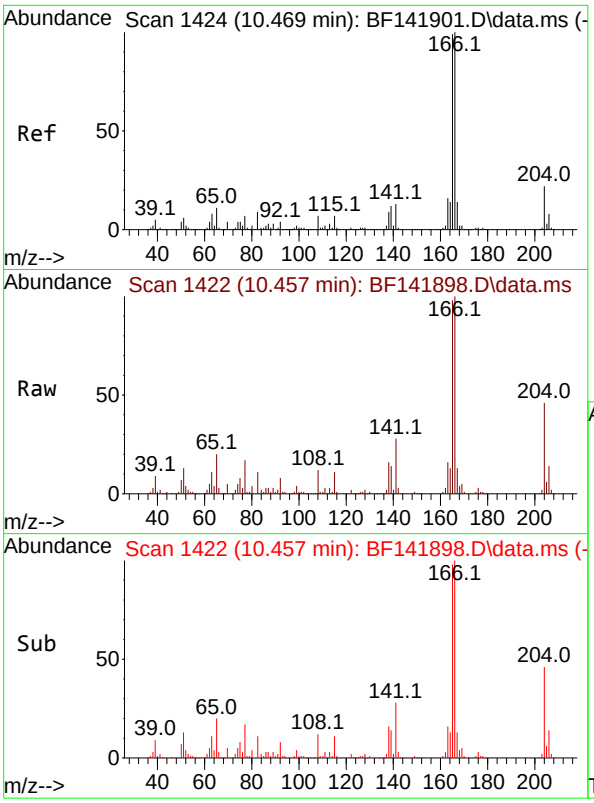




#57
2,4-Dinitrotoluene
Concen: 4.800 ng
RT: 10.092 min Scan# 1360
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:165 Resp: 49913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 41.2 | 35.4 | 53.2 |
| 89 | 70.9 | 56.6 | 84.8 |
| 182 | 2.8 | 2.2 | 3.4 |



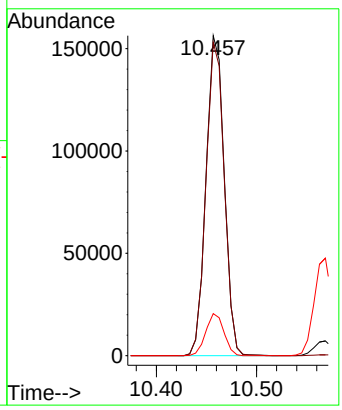


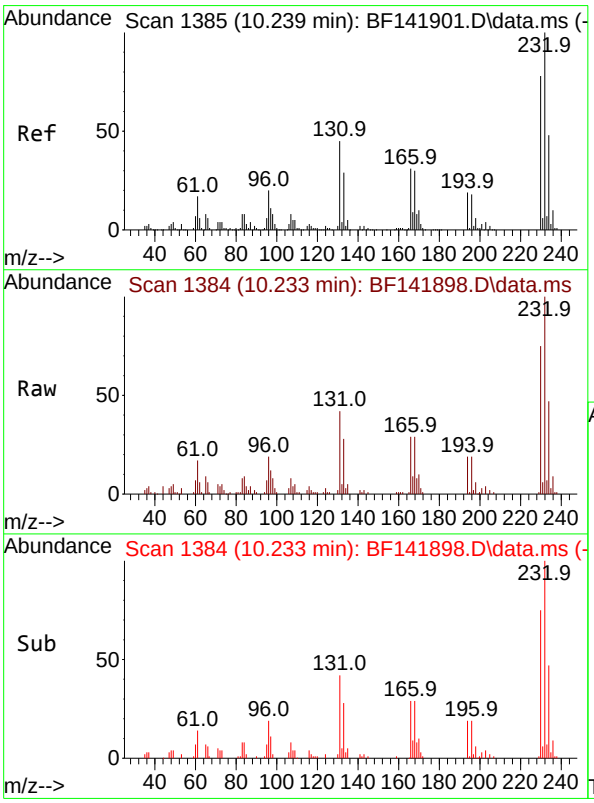

#58
Fluorene
Concen: 5.542 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:166 Resp: 197266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.0 | 79.0 | 118.4 |
| 167 | 13.2 | 11.0 | 16.4 |

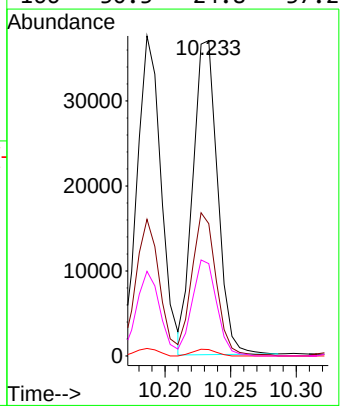


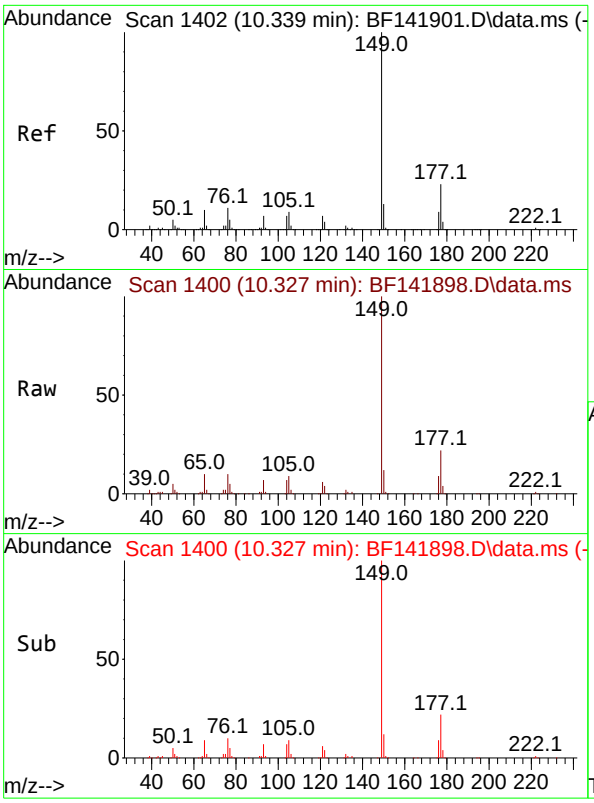




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.839 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:232 Resp: 48472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 44.9 | 37.3 | 55.9 |
| 130 | 2.1 | 1.9 | 2.9 |
| 166 | 30.3 | 24.8 | 37.2 |



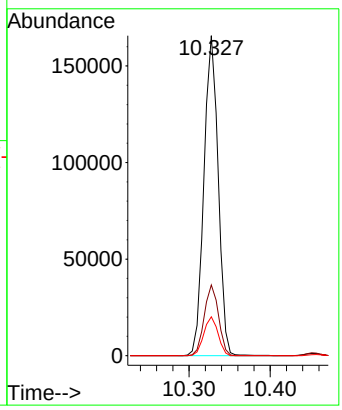


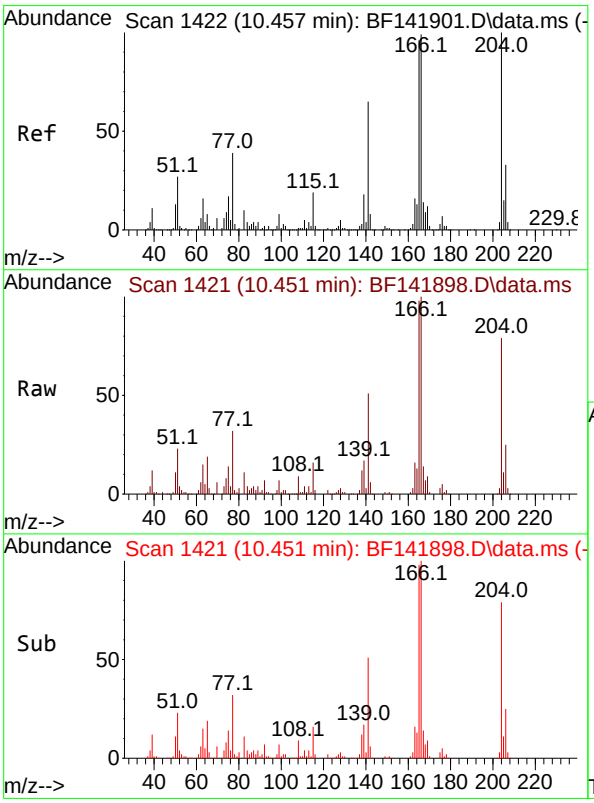

#60
Diethylphthalate
Concen: 5.286 ng
RT: 10.327 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:149 Resp: 201554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.1 | 18.0 | 27.0 |
| 150 | 12.1 | 10.2 | 15.4 |

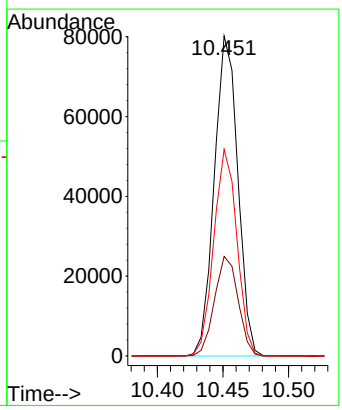


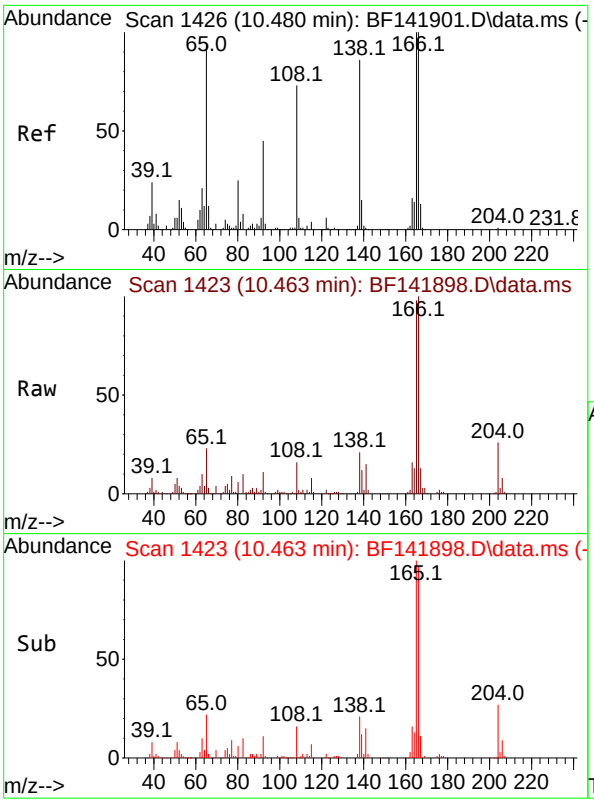




#61
4-Chlorophenyl-phenylether
Concen: 5.380 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:204 Resp: 99747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 31.1 | 26.8 | 40.2 |
| 141 | 64.5 | 52.4 | 78.6 |



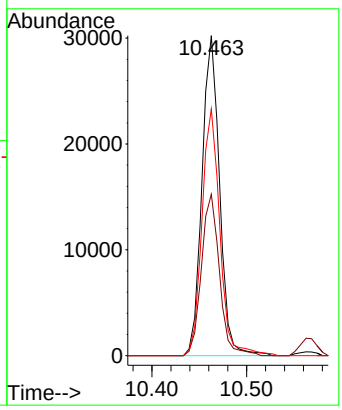


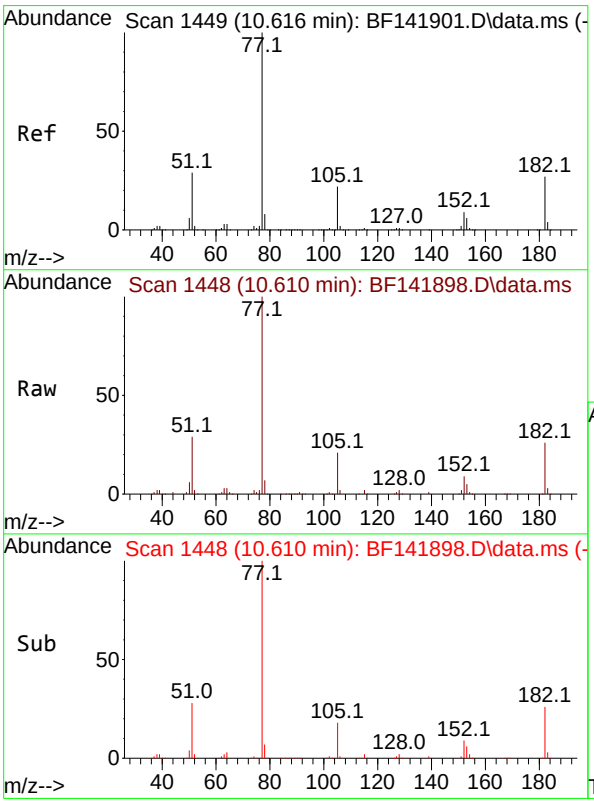

#62
4-Nitroaniline
Concen: 4.945 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:138 Resp: 38863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 50.5 | 32.6 | 72.6 |
| 108 | 77.1 | 65.0 | 105.0 |

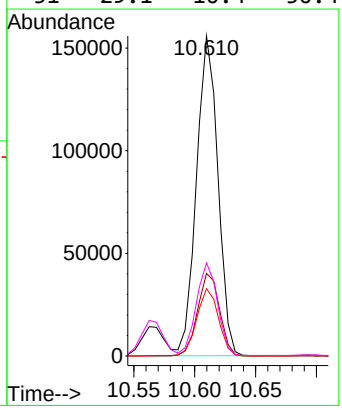


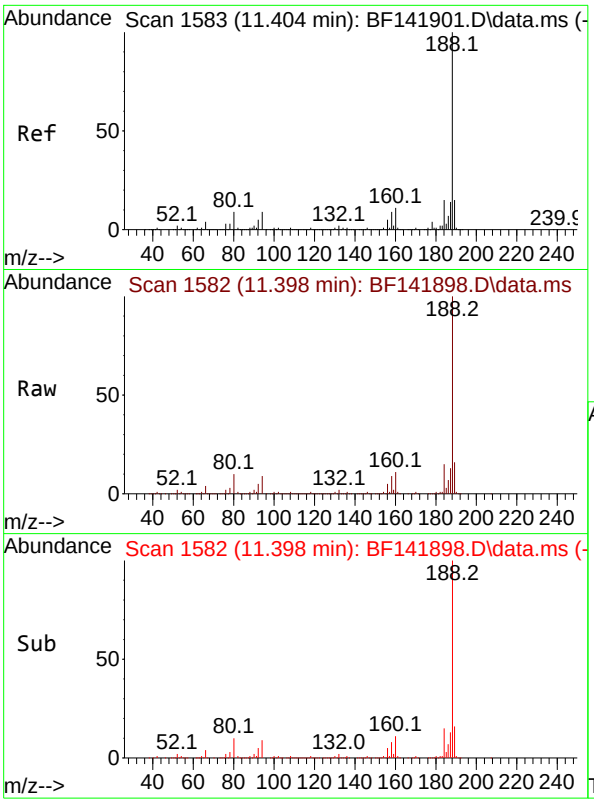




#63
Azobenzene
Concen: 5.370 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 77 Resp: 190233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.8 | 6.6 | 46.6 |
| 105 | 21.0 | 1.3 | 41.3 |
| 51 | 29.1 | 10.4 | 50.4 |



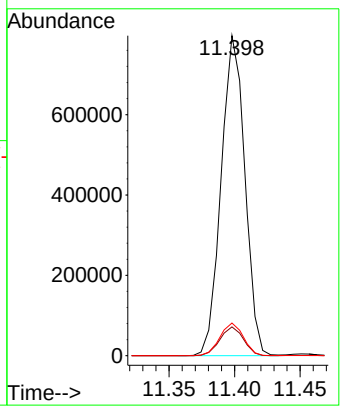


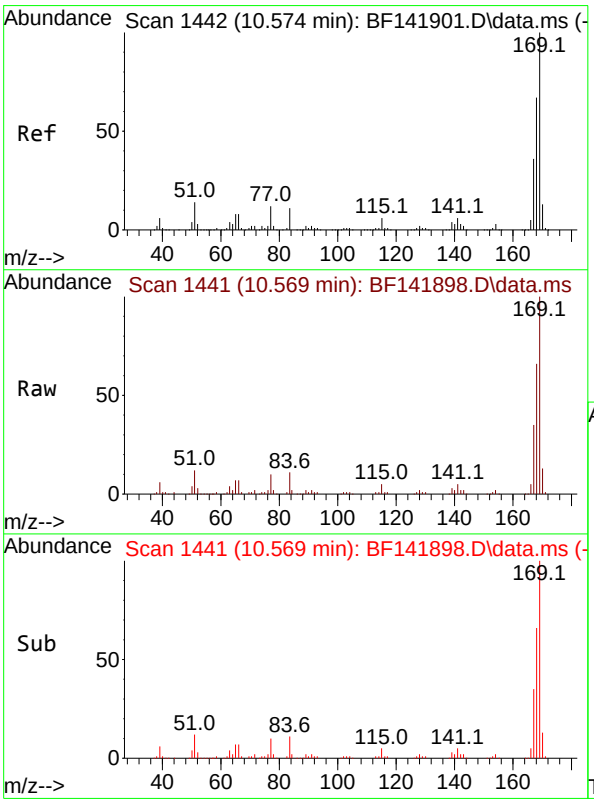

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:188 Resp: 1002901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.0 | 6.8 | 10.2 |
| 80 | 10.2 | 7.6 | 11.4 |

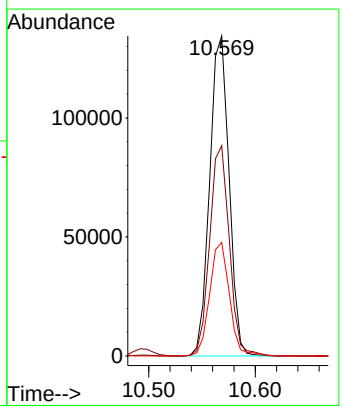


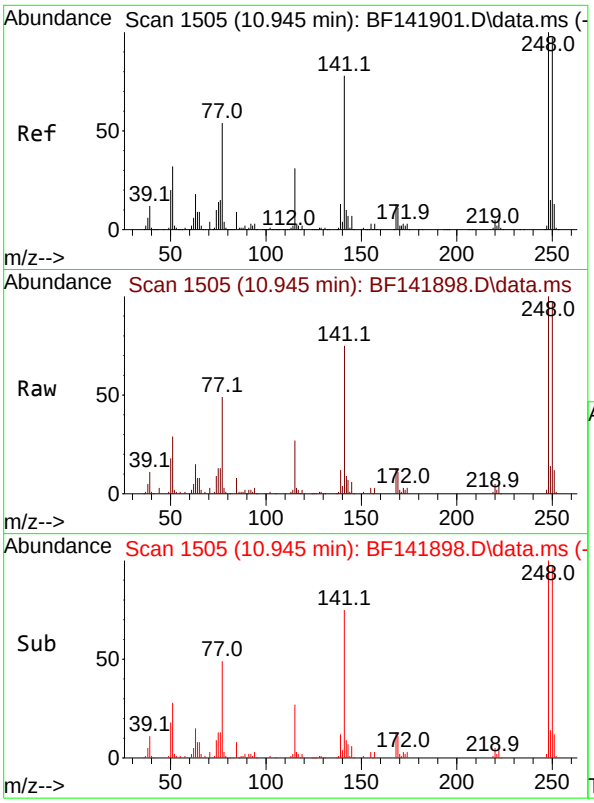




#66
n-Nitrosodiphenylamine
Concen: 5.223 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:169 Resp: 169225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.7 | 53.7 | 80.5 |
| 167 | 35.5 | 29.2 | 43.8 |



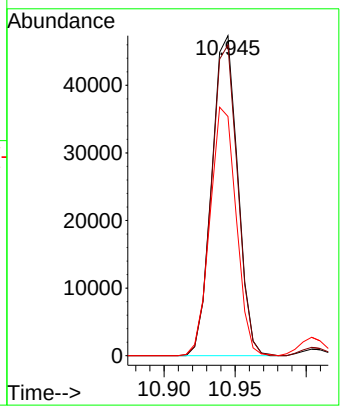


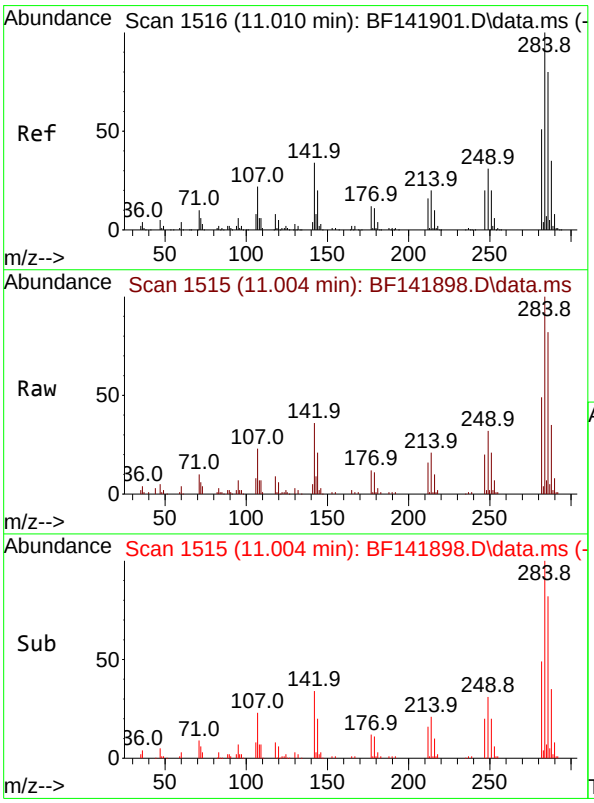

#67
4-Bromophenyl-phenylether
Concen: 4.823 ng
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:248 Resp: 60238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.1 | 77.8 | 116.8 |
| 141 | 74.7 | 62.6 | 93.8 |

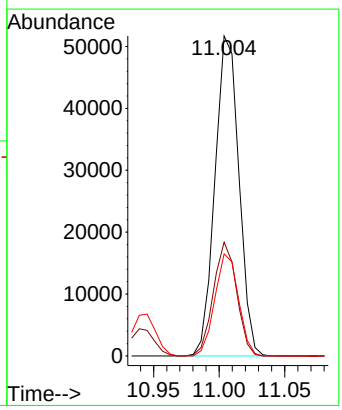


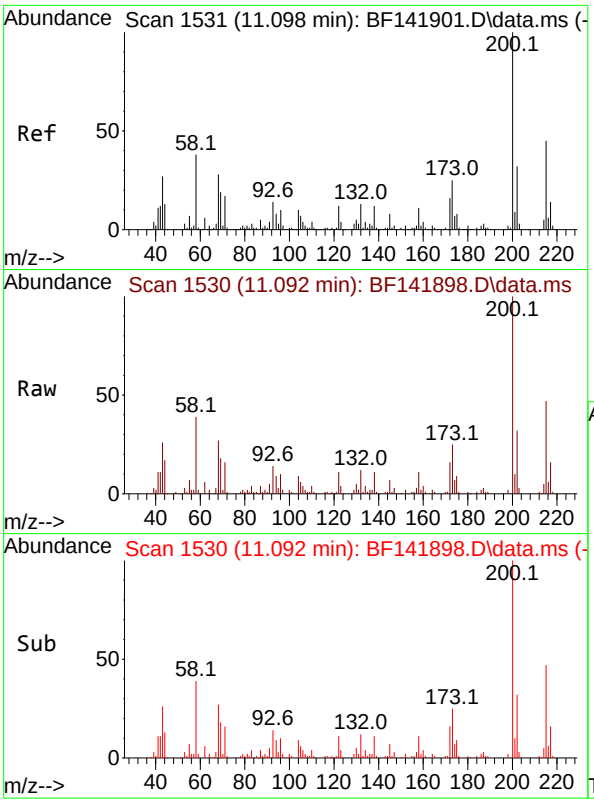




#68
Hexachlorobenzene
Concen: 4.753 ng
RT: 11.004 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:284 Resp: 65620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 35.6 | 27.0 | 40.6 |
| 249 | 31.9 | 25.2 | 37.8 |



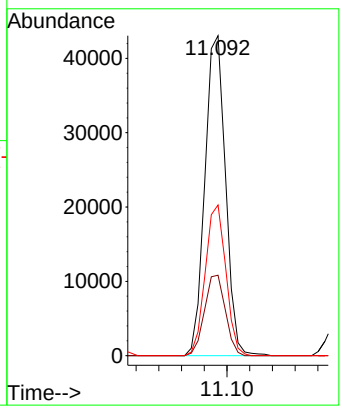


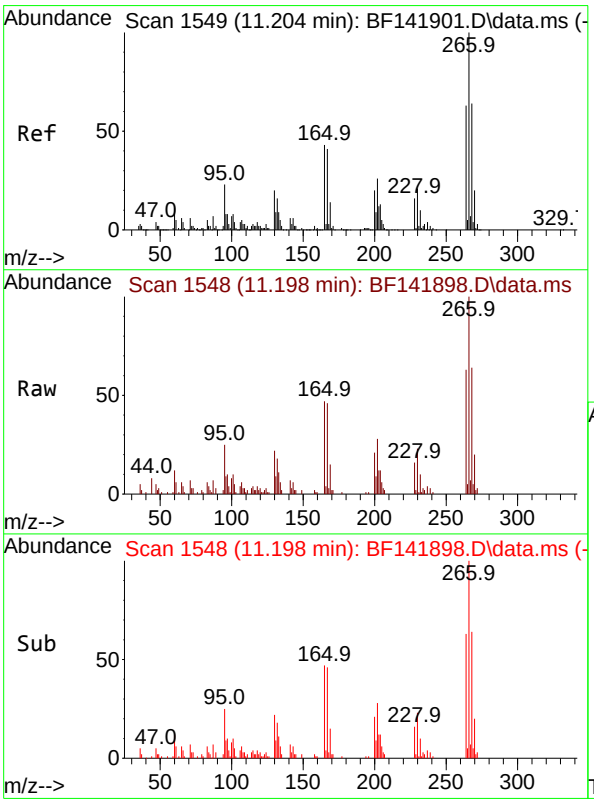

#69
Atrazine
Concen: 6.867 ng
RT: 11.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:200 Resp: 54251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.1 | 4.7 | 44.7 |
| 215 | 47.1 | 25.4 | 65.4 |

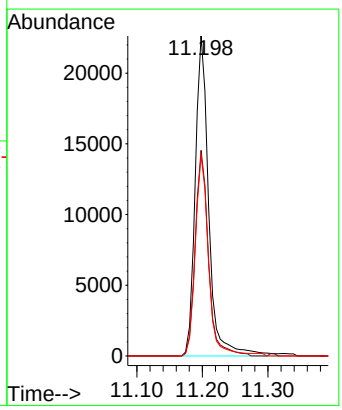


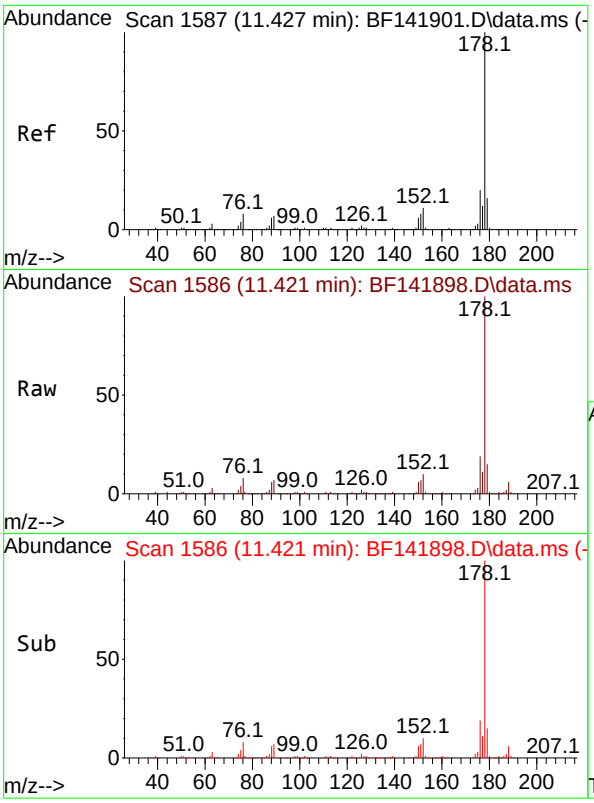




#70
Pentachlorophenol
Concen: 3.843 ng
RT: 11.198 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:266 Resp: 32716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.2 | 51.0 | 76.6 |
| 264 | 62.8 | 50.2 | 75.2 |



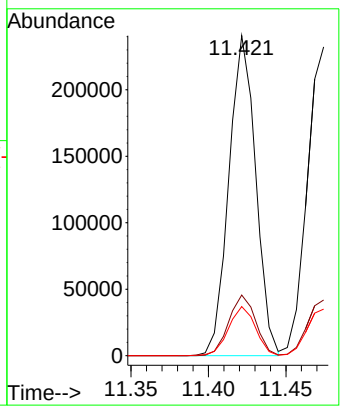


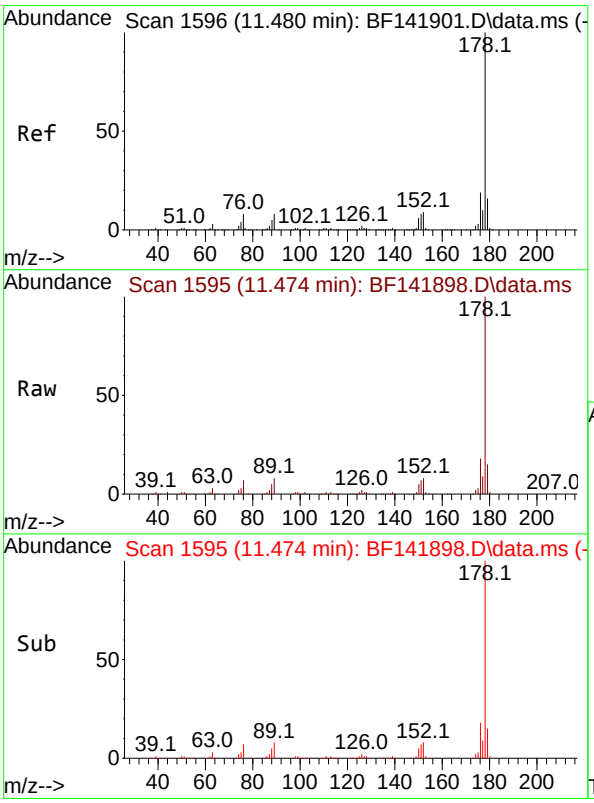

#71
Phenanthrene
Concen: 5.340 ng
RT: 11.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:178 Resp: 289580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.8 | 23.8 |
| 179 | 15.3 | 12.6 | 19.0 |

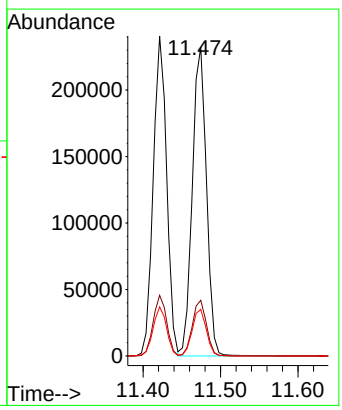


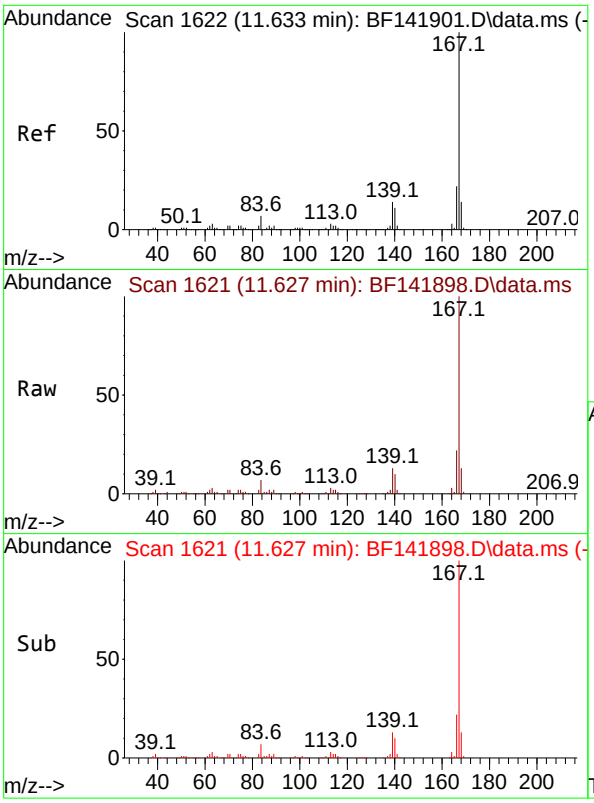




#72
Anthracene
Concen: 5.407 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:178 Resp: 294198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.1 | 15.1 | 22.7 |
| 179 | 15.1 | 12.6 | 19.0 |



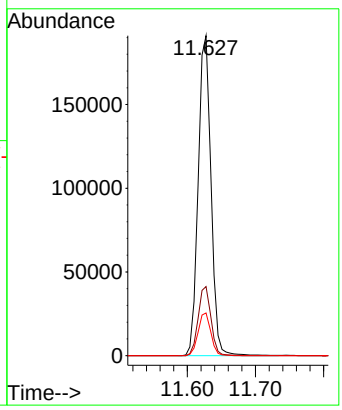


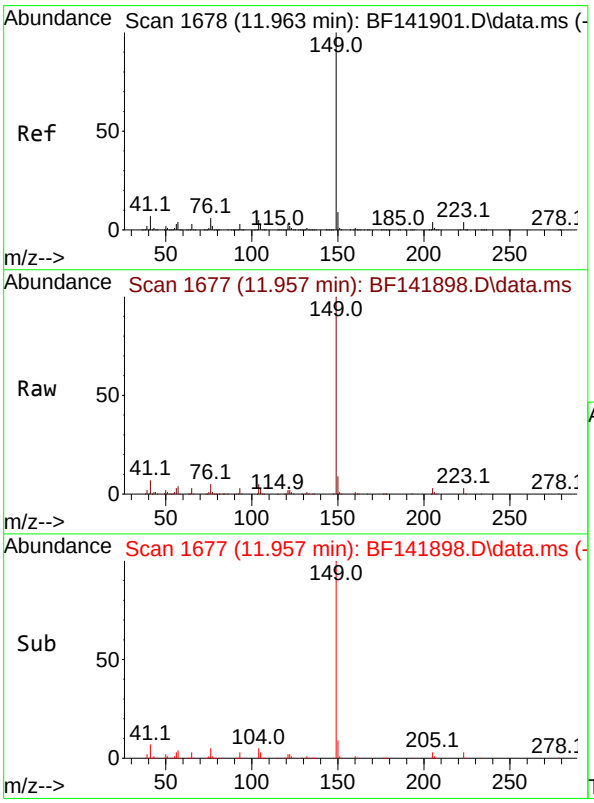

#73
Carbazole
Concen: 5.329 ng
RT: 11.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:167 Resp: 249634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.6 | 17.4 | 26.2 |
| 139 | 13.3 | 11.0 | 16.6 |

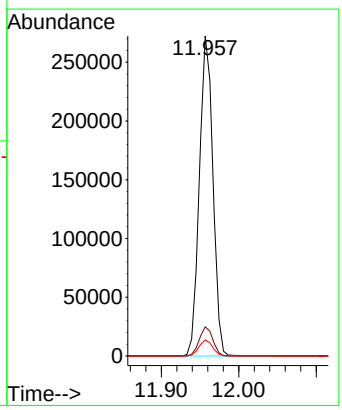


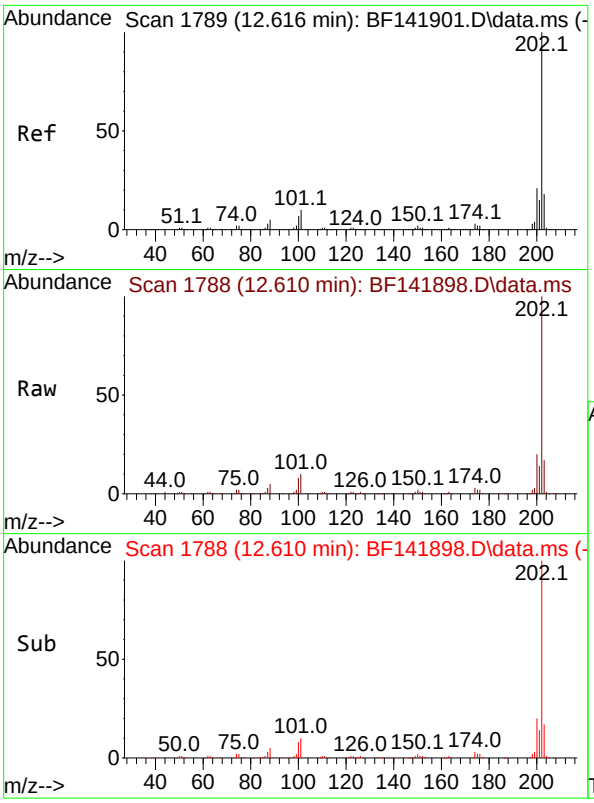




#74
Di-n-butylphthalate
Concen: 5.352 ng
RT: 11.957 min Scan# 1677
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:149 Resp: 330999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.6 | 11.4 |
| 104 | 5.0 | 4.4 | 6.6 |



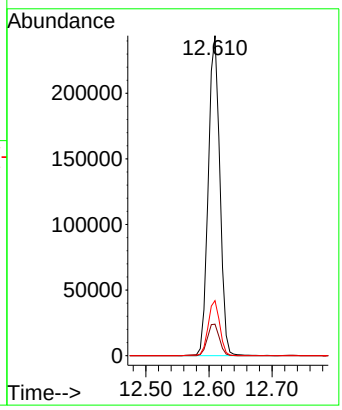


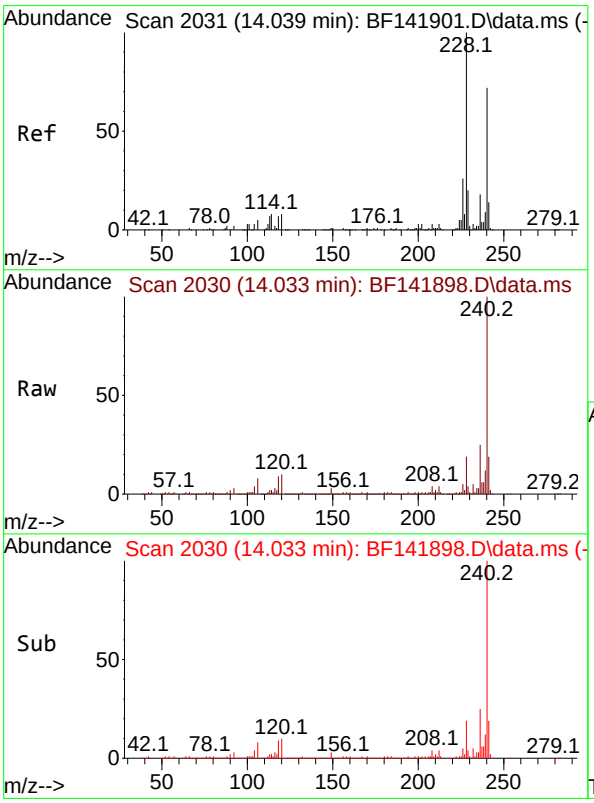

#75
Fluoranthene
Concen: 5.432 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:202 Resp: 309273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.8 | 0.0 | 29.7 |
| 203 | 17.2 | 0.0 | 37.8 |

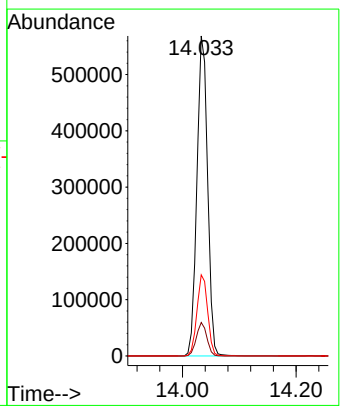


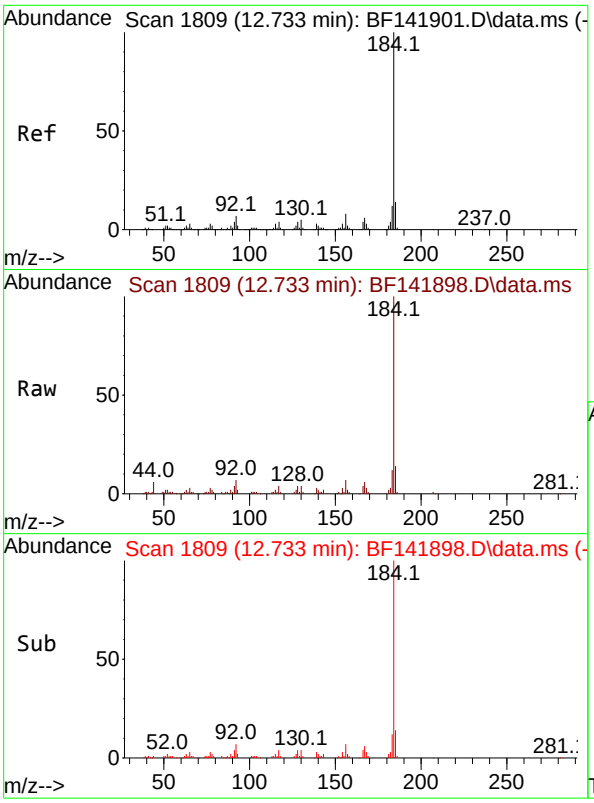




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:240 Resp: 745624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.4 | 8.4 | 12.6 |
| 236 | 25.3 | 20.5 | 30.7 |



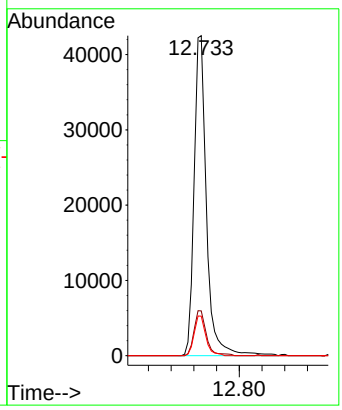


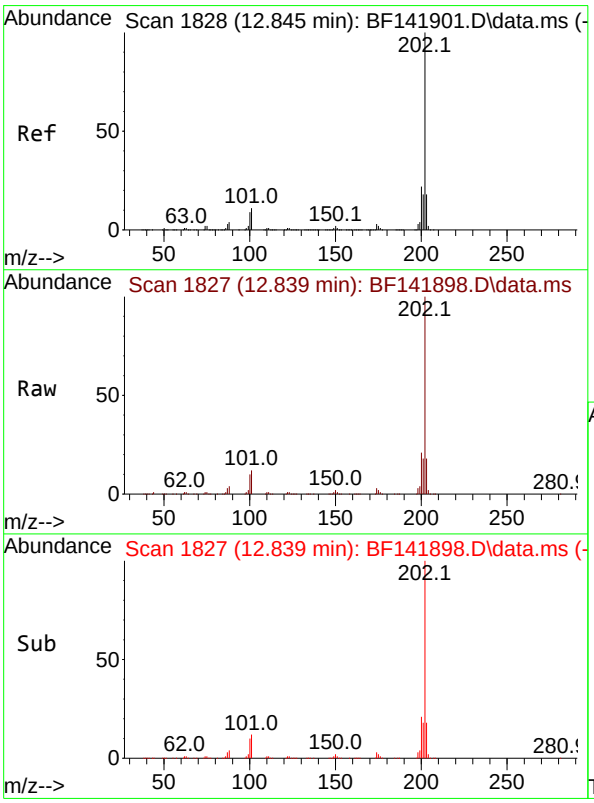

#77
Benzidine
Concen: 6.138 ng
RT: 12.733 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:184 Resp: 64673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.0 | 11.5 | 17.3 |
| 183 | 12.3 | 9.7 | 14.5 |

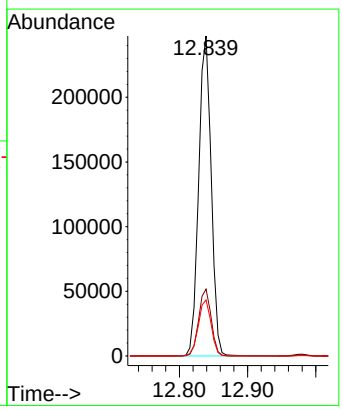


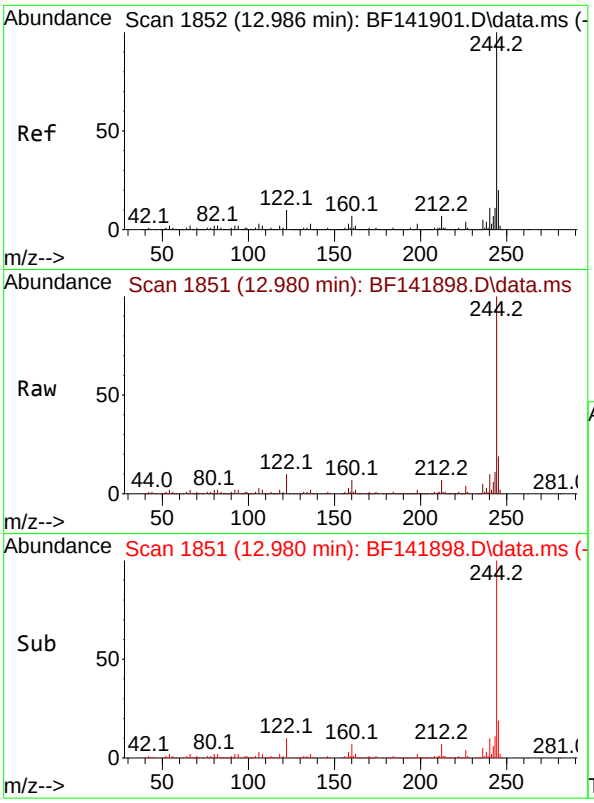




#78
Pyrene
Concen: 4.941 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:202 Resp: 315969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.9 | 17.3 | 25.9 |
| 203 | 17.5 | 14.4 | 21.6 |



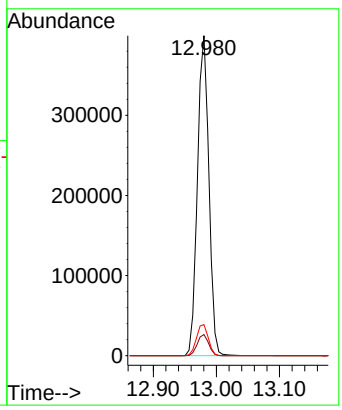


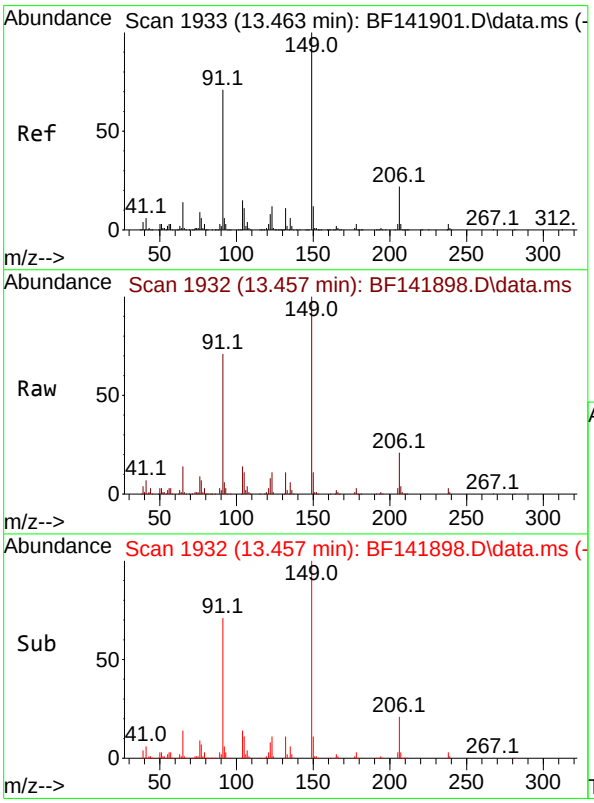

#79
Terphenyl-d14
Concen: 9.924 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:244 Resp: 500607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 6.0 | 9.0 |
| 122 | 9.7 | 7.7 | 11.5 |

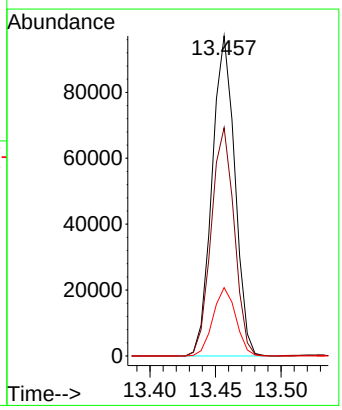


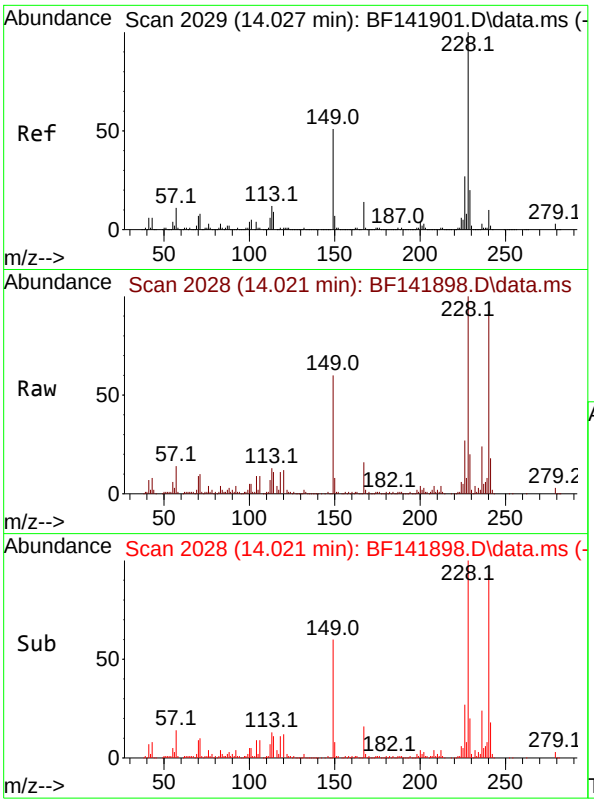




#80
Butylbenzylphthalate
Concen: 4.653 ng
RT: 13.457 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:149 Resp: 117256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 71.4 | 56.5 | 84.7 |
| 206 | 21.4 | 17.3 | 25.9 |



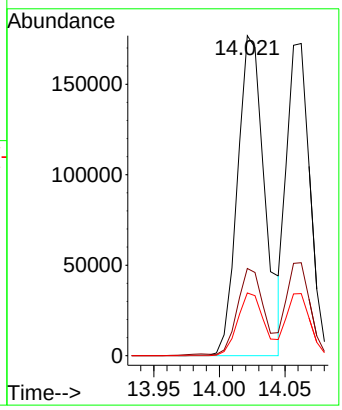


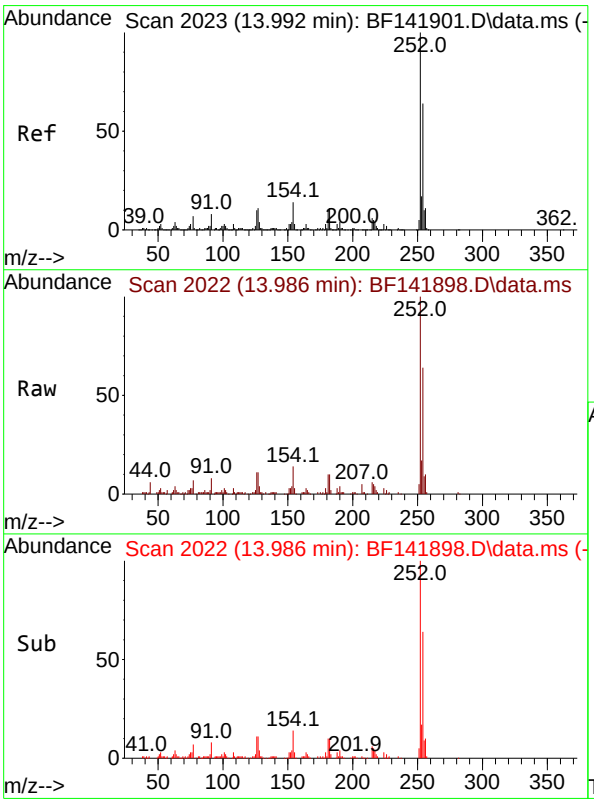

#81
Benzo(a)anthracene
Concen: 5.205 ng
RT: 14.021 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:228 Resp: 255308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.3 | 21.8 | 32.8 |
| 229 | 19.6 | 16.0 | 24.0 |

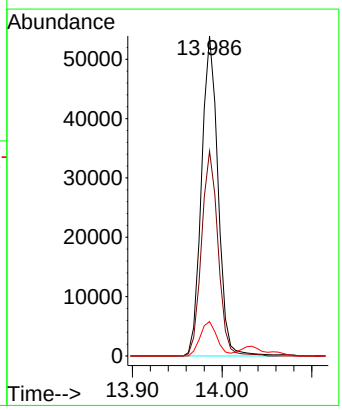


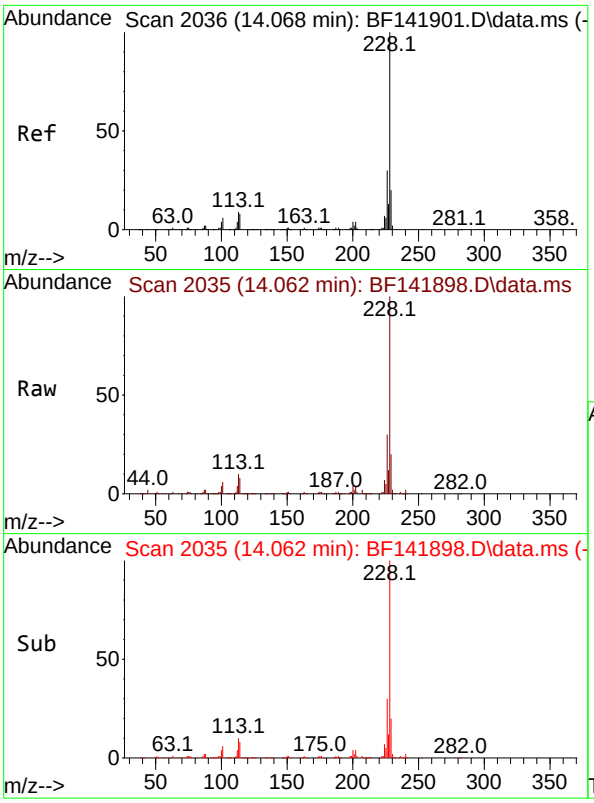




#82
3,3'-Dichlorobenzidine
Concen: 4.865 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:252 Resp: 68969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.0 | 51.0 | 76.6 |
| 126 | 10.7 | 8.4 | 12.6 |



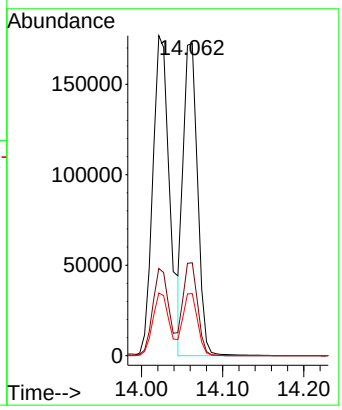


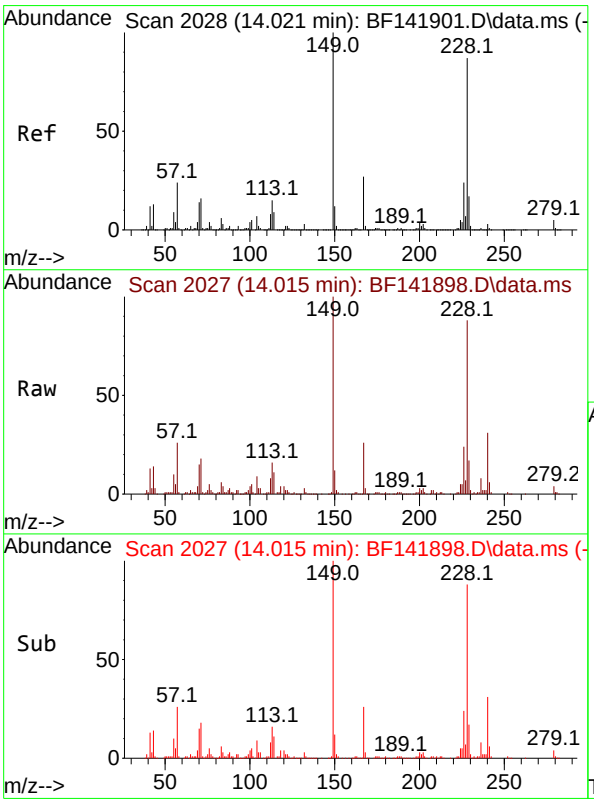

#83
Chrysene
Concen: 4.837 ng
RT: 14.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:228 Resp: 213144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 24.1 | 36.1 |
| 229 | 19.9 | 15.7 | 23.5 |

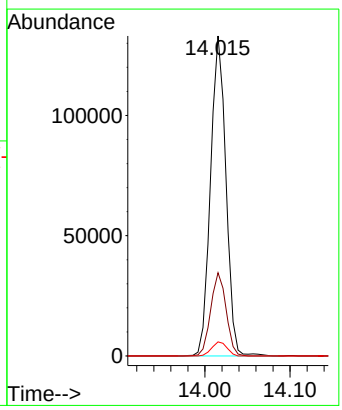


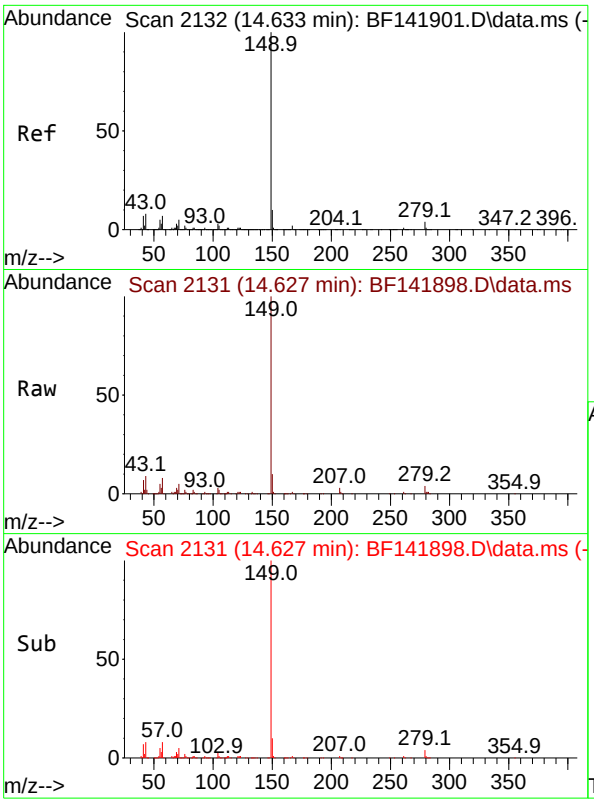




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.836 ng
RT: 14.015 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:149 Resp: 167165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.0 | 21.4 | 32.0 |
| 279 | 4.4 | 3.8 | 5.6 |



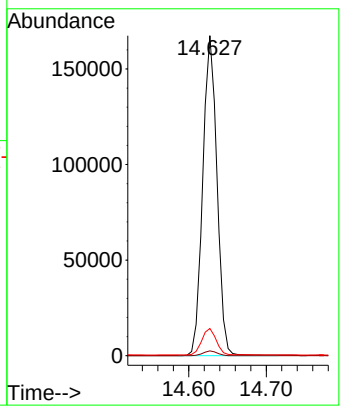


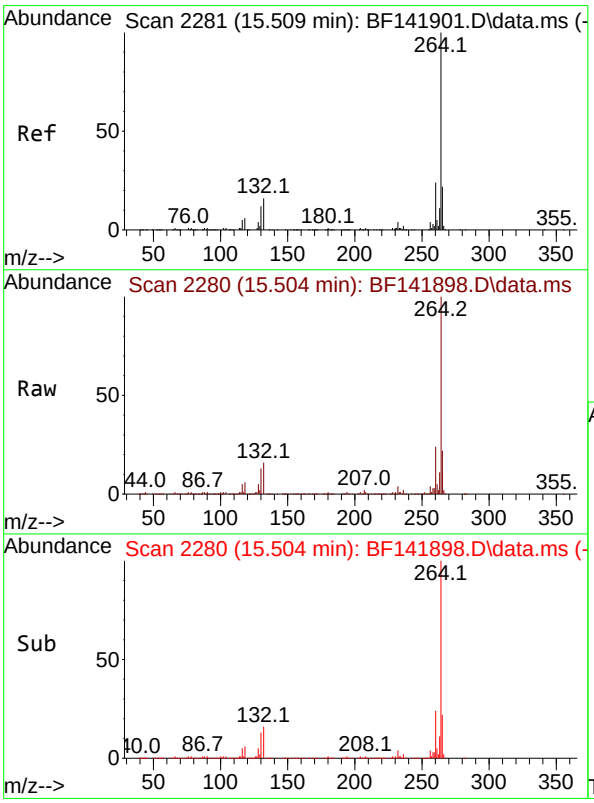

#85
Di-n-octyl phthalate
Concen: 4.435 ng
RT: 14.627 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:149 Resp: 213395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.3 | 1.9 |
| 43 | 8.4 | 6.9 | 10.3 |

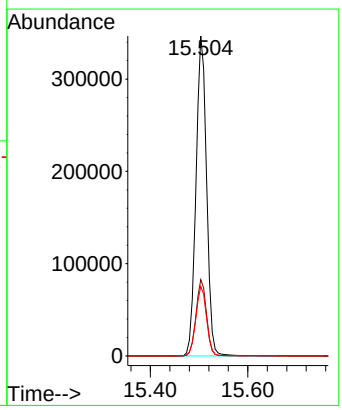


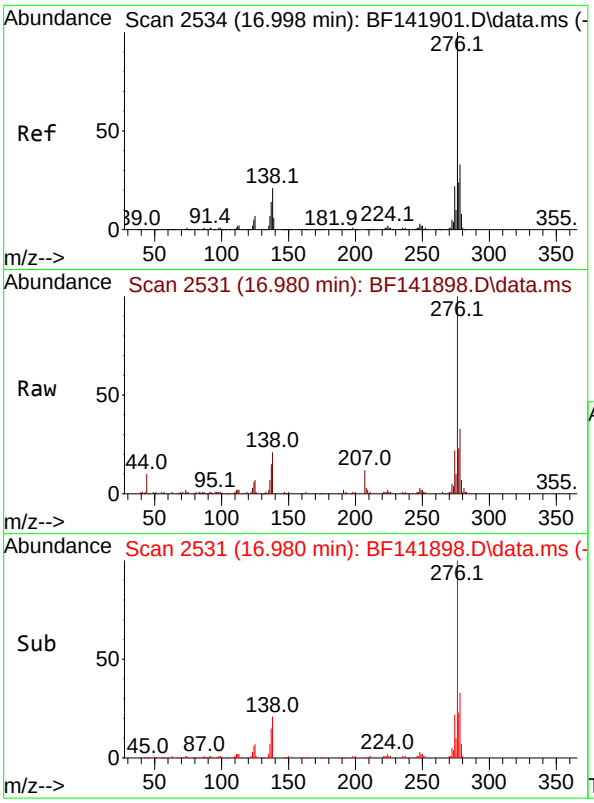




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:264 Resp: 527129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 19.1 | 28.7 |
| 265 | 21.7 | 17.5 | 26.3 |



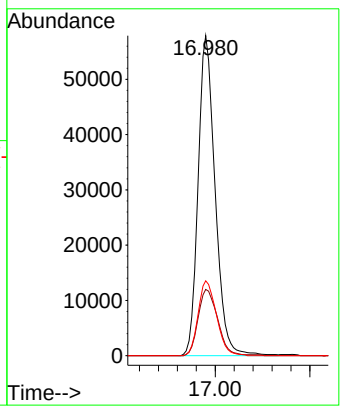


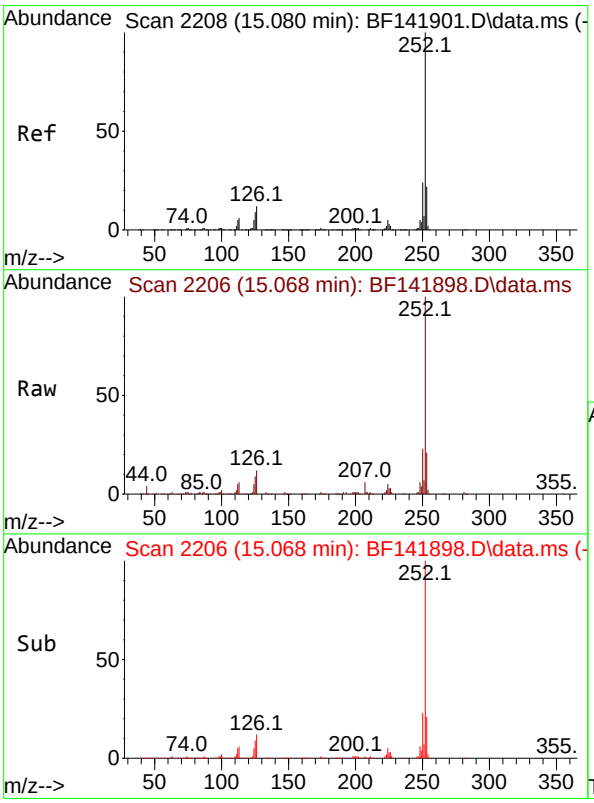

#87
Indeno(1,2,3-cd)pyrene
Concen: 4.228 ng
RT: 16.980 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:276 Resp: 144536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.7 | 18.4 | 27.6 |
| 277 | 25.1 | 20.3 | 30.5 |

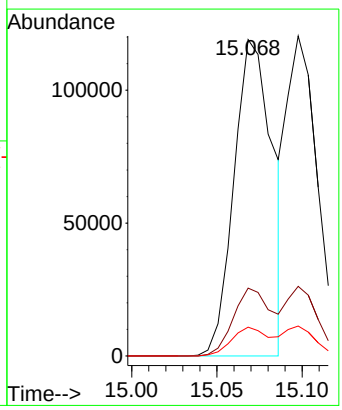


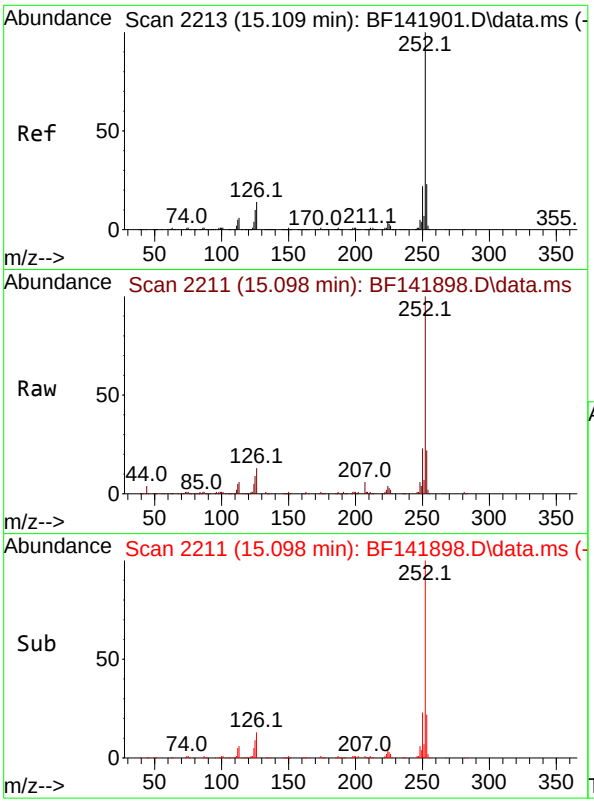




#88
Benzo(b)fluoranthene
Concen: 5.234 ng
RT: 15.068 min Scan# 2206
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:252 Resp: 187154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.5 | 26.3 |
| 125 | 9.1 | 7.0 | 10.4 |



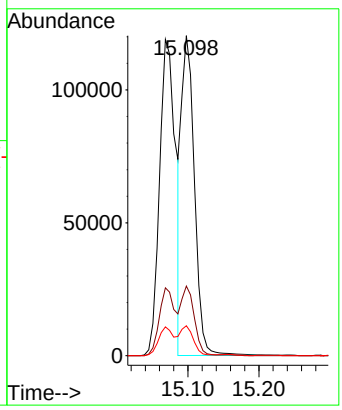


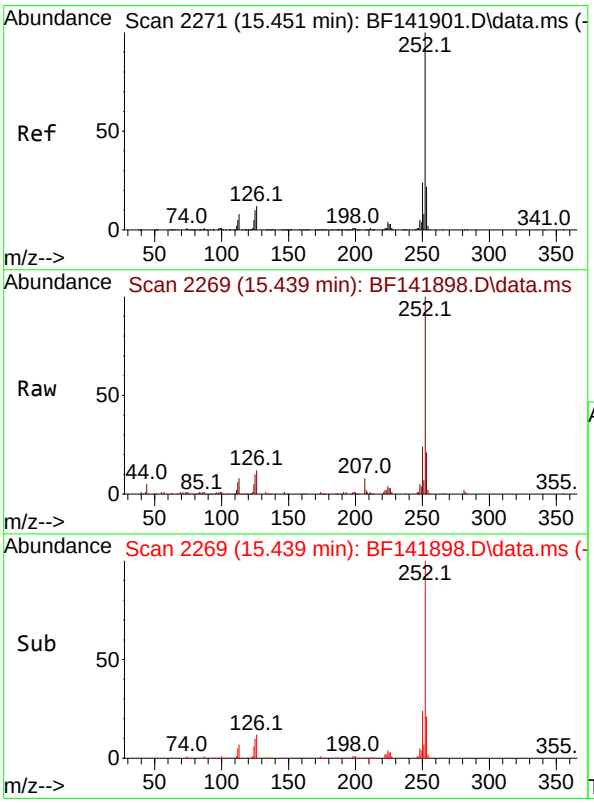

#89
Benzo(k)fluoranthene
Concen: 4.903 ng
RT: 15.098 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:252 Resp: 153142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.7 | 26.5 |
| 125 | 9.4 | 7.2 | 10.8 |

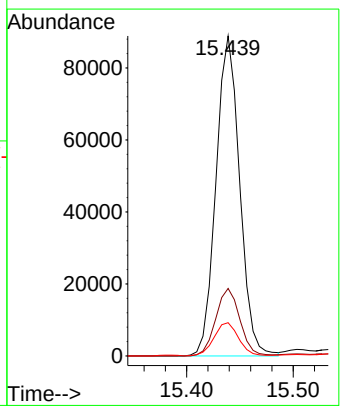


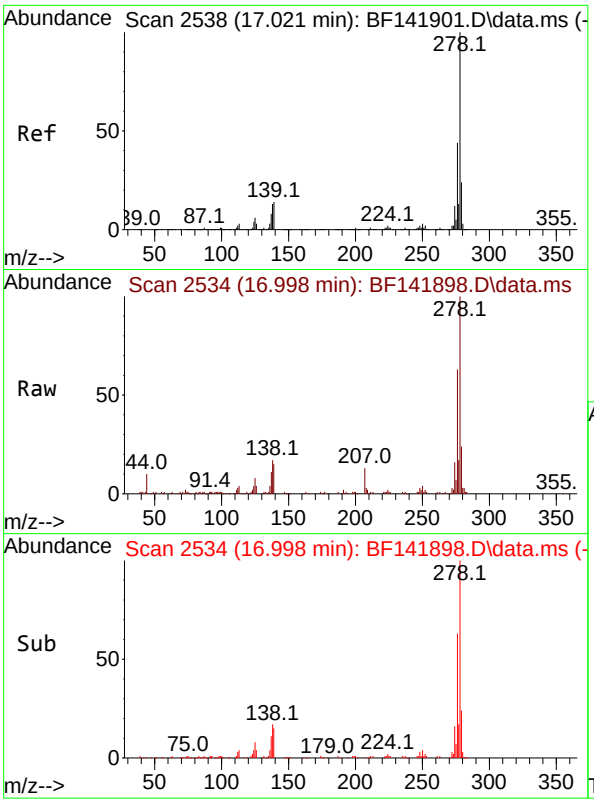




#90
Benzo(a)pyrene
Concen: 4.860 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:252 Resp: 137043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.1 | 17.4 | 26.0 |
| 125 | 10.4 | 7.8 | 11.8 |



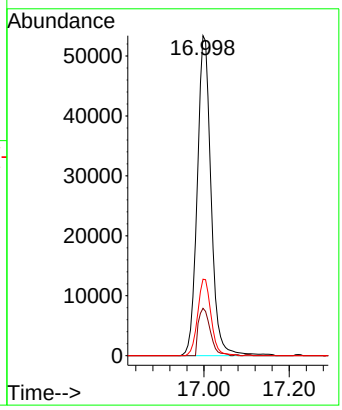


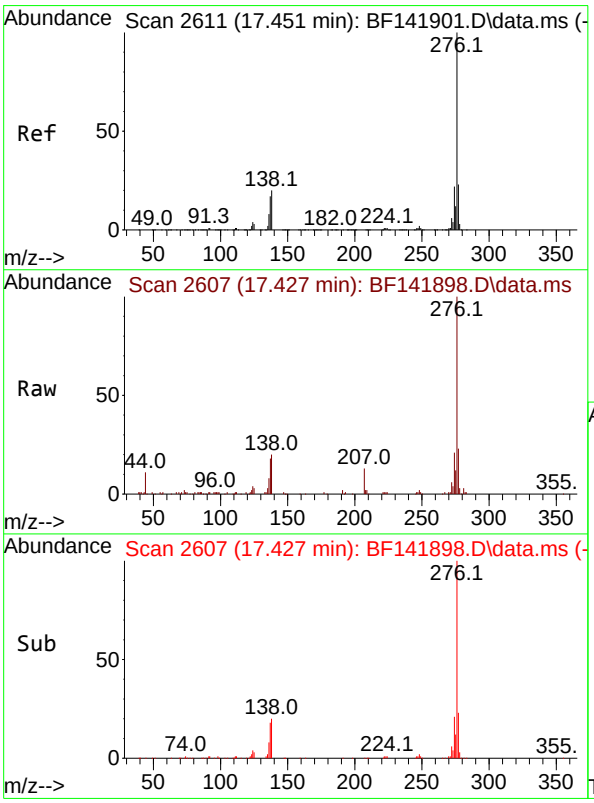

#91
Dibenzo(a,h)anthracene
Concen: 4.252 ng
RT: 16.998 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

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

Tgt Ion:278 Resp: 119937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.8 | 11.4 | 17.2 |
| 279 | 23.9 | 18.8 | 28.2 |

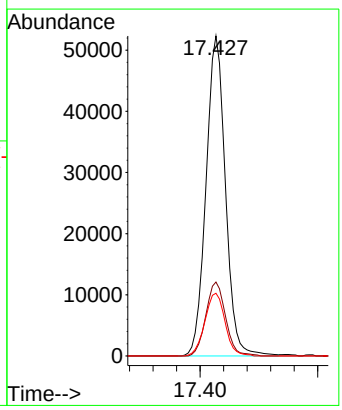



#92
Benzo(g,h,i)perylene
Concen: 4.294 ng
RT: 17.427 min Scan# 2607
Delta R.T. -0.024 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:276 Resp: 120142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.1 | 18.7 | 28.1 |
| 138 | 19.6 | 15.8 | 23.8 |



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141899.D
Acq On : 10 Mar 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Mar 10 15:33:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 224499 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.163 | 136 | 921725 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 541295 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.398 | 188 | 966771 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.039 | 240 | 703100 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.510 | 264 | 510790 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.487 | 112 | 279139 | 20.746 | ng | | 0.00 |
| 7) Phenol-d6 | 6.493 | 99 | 357672 | 20.872 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.434 | 82 | 328098 | 19.951 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.698 | 330 | 127785 | 18.630 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.234 | 172 | 746589 | 21.003 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.980 | 244 | 920159 | 19.345 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.675 | 88 | 54068 | 9.588 | ng | | 98 |
| 3) Pyridine | 3.440 | 79 | 135148 | 9.752 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.369 | 42 | 62411 | 9.474 | ng | # | 98 |
| 6) Aniline | 6.540 | 93 | 179854 | 10.631 | ng | | 99 |
| 8) 2-Chlorophenol | 6.657 | 128 | 151998 | 10.192 | ng | | 97 |
| 9) Benzaldehyde | 6.428 | 77 | 114586 | 11.963 | ng | | 99 |
| 10) Phenol | 6.504 | 94 | 187967 | 10.396 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.610 | 93 | 139813 | 10.321 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.822 | 146 | 167192 | 10.374 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.898 | 146 | 168717 | 10.347 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.051 | 146 | 159032 | 10.357 | ng | | 98 |
| 15) Benzyl Alcohol | 7.010 | 79 | 140530 | 10.132 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151 | 45 | 171225 | 10.487 | ng | | 98 |
| 17) 2-Methylphenol | 7.116 | 107 | 117869 | 9.945 | ng | | 99 |
| 18) Hexachloroethane | 7.392 | 117 | 61809 | 10.111 | ng | | 100 |
| 19) n-Nitroso-di-n-propyla... | 7.281 | 70 | 112281 | 10.194 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.269 | 107 | 156526 | 10.296 | ng | | 92 |
| 22) Acetophenone | 7.281 | 105 | 227350 | 10.282 | ng | | 99 |
| 24) Nitrobenzene | 7.457 | 77 | 161777 | 9.922 | ng | | 99 |
| 25) Isophorone | 7.692 | 82 | 285760 | 9.842 | ng | | 99 |
| 26) 2-Nitrophenol | 7.775 | 139 | 73301 | 9.174 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.804 | 122 | 107669 | 9.784 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.904 | 93 | 187307 | 10.298 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.010 | 162 | 135772 | 9.941 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.098 | 180 | 149790 | 9.941 | ng | | 99 |
| 31) Naphthalene | 8.181 | 128 | 495470 | 10.493 | ng | | 99 |
| 32) Benzoic acid | 7.869 | 122 | 68640 | 7.136 | ng | | 98 |
| 33) 4-Chloroaniline | 8.228 | 127 | 173977 | 10.441 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.298 | 225 | 97298 | 9.931 | ng | | 98 |
| 35) Caprolactam | 8.563 | 113 | 41208 | 9.922 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 8.698 | 107 | 152340 | 10.029 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.869 | 142 | 326733 | 10.313 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.969 | 142 | 318324 | 10.376 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 9.034 | 216 | 163481 | 9.905 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 59769 | 9.177 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.145 | 196 | 105191 | 9.777 | ng | | 99 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141899.D
Acq On : 10 Mar 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Mar 10 15:33:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.181 | 196 | 105943 | 9.692 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.334 | 154 | 425640 | 10.372 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.357 | 162 | 308729 | 10.094 | ng | | 98 |
| 48) 2-Nitroaniline | 9.451 | 65 | 84854 | 9.658 | ng | | 98 |
| 49) Acenaphthylene | 9.775 | 152 | 470801 | 10.383 | ng | | 99 |
| 50) Dimethylphthalate | 9.628 | 163 | 382722 | 10.176 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.692 | 165 | 75577 | 9.663 | ng | | 97 |
| 52) Acenaphthene | 9.945 | 154 | 323406 | 10.101 | ng | | 100 |
| 53) 3-Nitroaniline | 9.857 | 138 | 79944 | 9.955 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 9.963 | 184 | 23121 | 11.386 | ng | # | 71 |
| 55) Dibenzofuran | 10.116 | 168 | 483596 | 10.593 | ng | | 98 |
| 56) 4-Nitrophenol | 10.004 | 139 | 58549 | 9.706 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 10.092 | 165 | 103313 | 10.035 | ng | | 98 |
| 58) Fluorene | 10.463 | 166 | 368370 | 10.452 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.233 | 232 | 98725 | 9.954 | ng | | 99 |
| 60) Diethylphthalate | 10.328 | 149 | 398003 | 10.542 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204 | 186237 | 10.145 | ng | | 99 |
| 62) 4-Nitroaniline | 10.463 | 138 | 78048 | 10.030 | ng | | 97 |
| 63) Azobenzene | 10.610 | 77 | 368982 | 10.521 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.498 | 198 | 40348 | 7.040 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 10.569 | 169 | 314758 | 10.078 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248 | 120534 | 10.011 | ng | | 97 |
| 68) Hexachlorobenzene | 11.010 | 284 | 129242 | 9.712 | ng | | 98 |
| 69) Atrazine | 11.092 | 200 | 102822 | 13.502 | ng | | 99 |
| 70) Pentachlorophenol | 11.198 | 266 | 73112 | 8.909 | ng | | 99 |
| 71) Phenanthrene | 11.422 | 178 | 556546 | 10.646 | ng | | 98 |
| 72) Anthracene | 11.475 | 178 | 550767 | 10.501 | ng | | 100 |
| 73) Carbazole | 11.628 | 167 | 480520 | 10.641 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.957 | 149 | 638429 | 10.708 | ng | | 99 |
| 75) Fluoranthene | 12.610 | 202 | 592806 | 10.801 | ng | | 99 |
| 77) Benzidine | 12.733 | 184 | 108761 | 10.946 | ng | | 99 |
| 78) Pyrene | 12.839 | 202 | 580442 | 9.626 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.457 | 149 | 230714 | 9.710 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.027 | 228 | 458422 | 9.911 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.986 | 252 | 136843 | 10.236 | ng | | 99 |
| 83) Chrysene | 14.063 | 228 | 419687 | 10.100 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.016 | 149 | 320536 | 9.833 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.627 | 149 | 428377 | 9.442 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.986 | 276 | 291723 | 8.807 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.074 | 252 | 334664 | 9.659 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.104 | 252 | 323772 | 10.698 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.439 | 252 | 266149 | 9.740 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.004 | 278 | 243443 | 8.907 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.433 | 276 | 242380 | 8.941 | ng | | 99 |

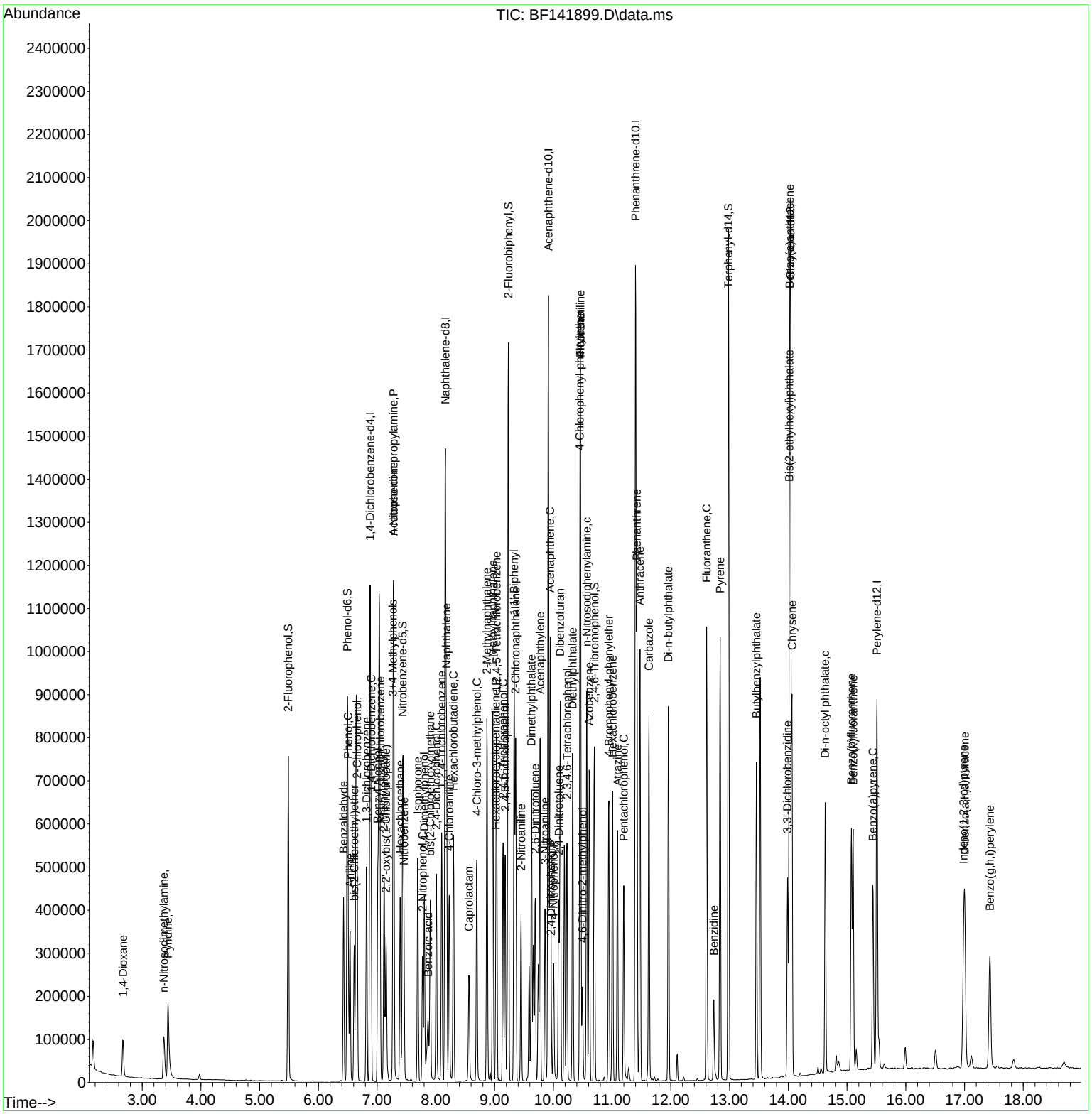
(#) = qualifier out of range (m) = manual integration (+) = signals summed

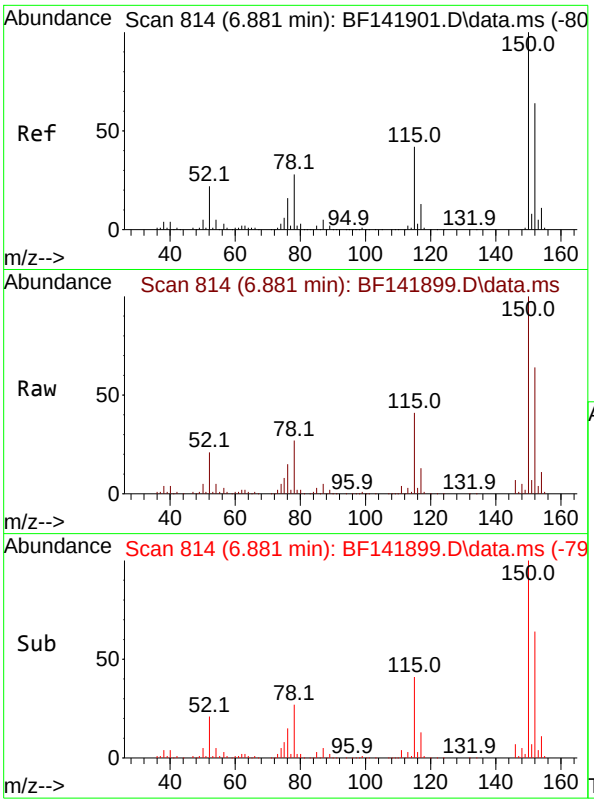
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141899.D
Acq On : 10 Mar 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Mar 10 15:33:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



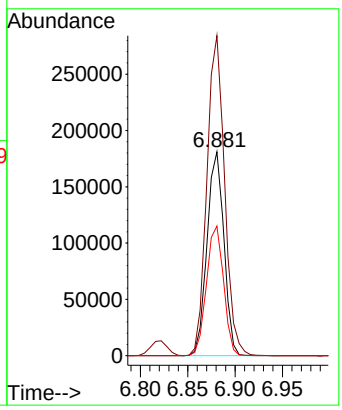


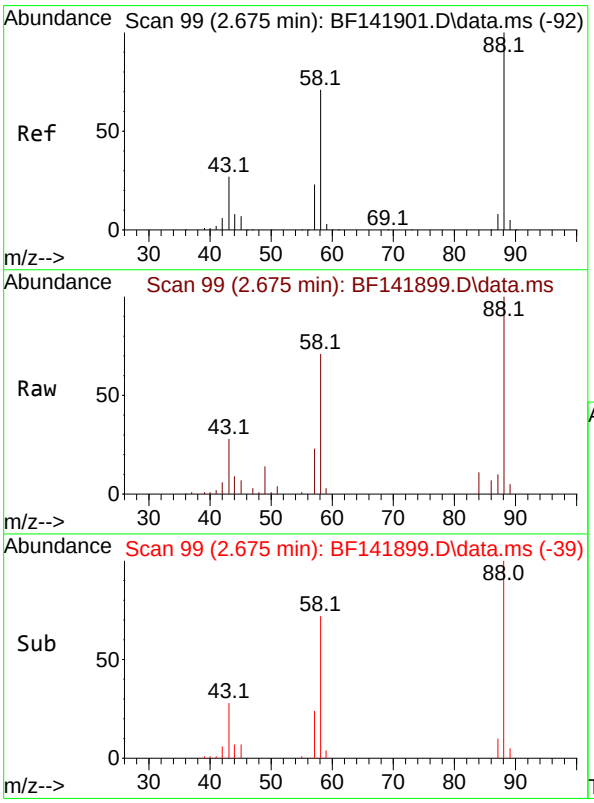

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:152 Resp: 224499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.0 | 127.4 | 191.2 |
| 115 | 63.6 | 51.9 | 77.9 |

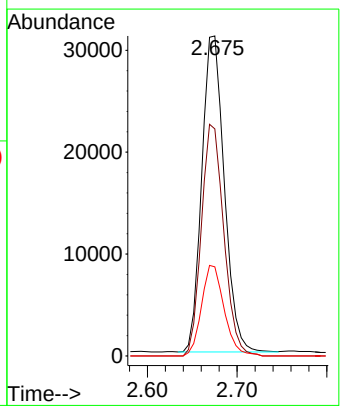


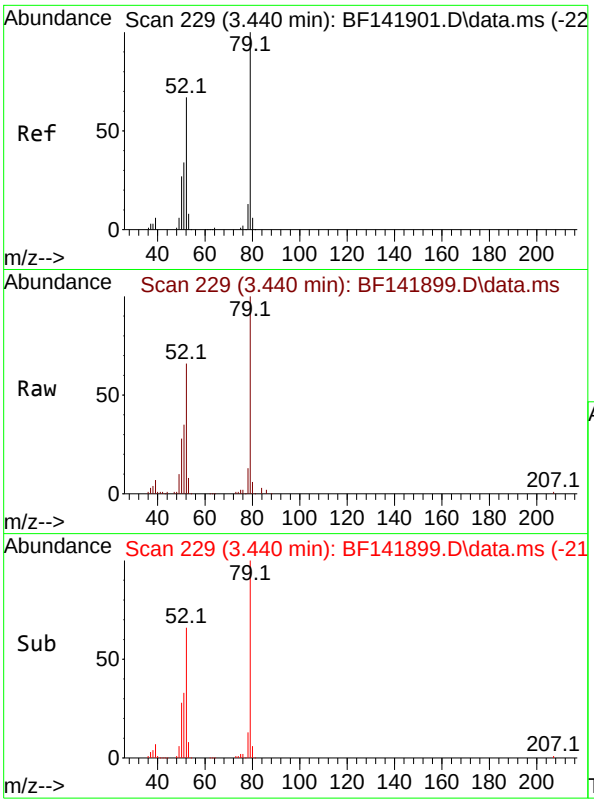




#2
1,4-Dioxane
Concen: 9.588 ng
RT: 2.675 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 88 Resp: 54068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 72.9 | 57.4 | 86.2 |
| 43 | 28.8 | 21.5 | 32.3 |



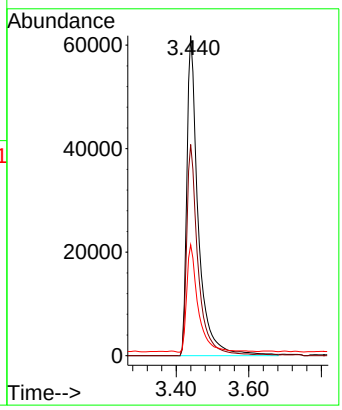


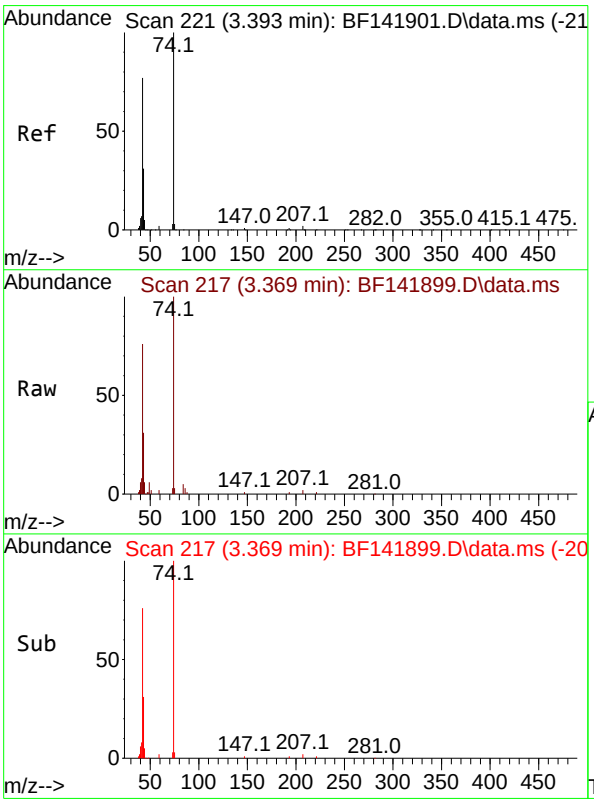

#3
Pyridine
Concen: 9.752 ng
RT: 3.440 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion: 79 Resp: 135148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 66.0 | 53.3 | 79.9 |
| 51 | 34.7 | 27.6 | 41.4 |

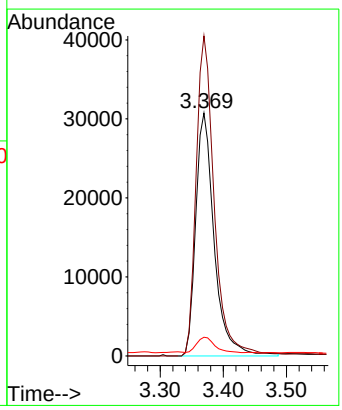


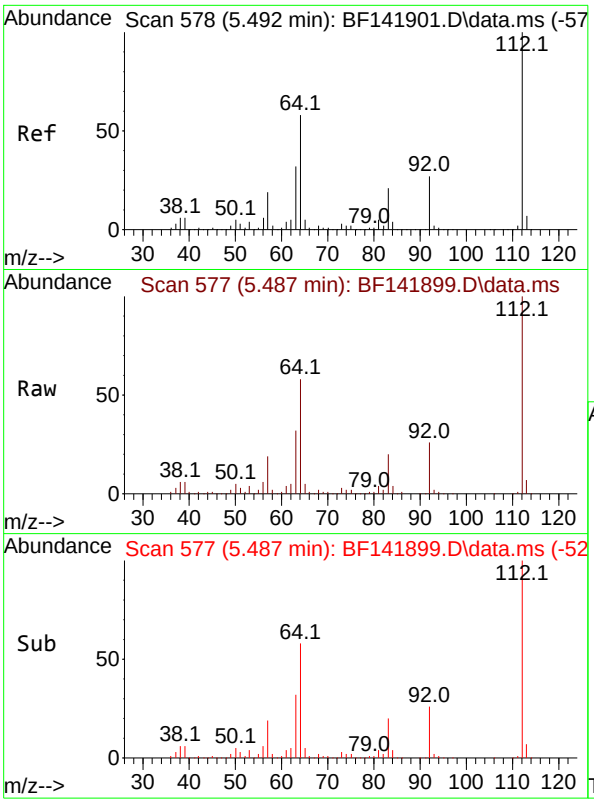




#4
n-Nitrosodimethylamine
Concen: 9.474 ng
RT: 3.369 min Scan# 217
Delta R.T. -0.023 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 42 Resp: 62411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 131.7 | 103.4 | 155.0 |
| 44 | 7.7 | 5.0 | 7.4# |



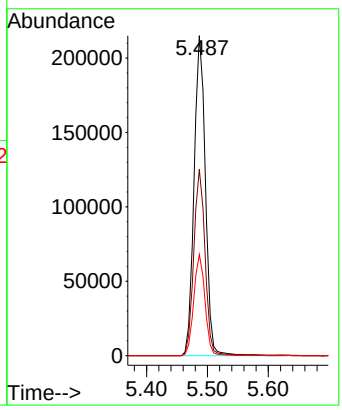


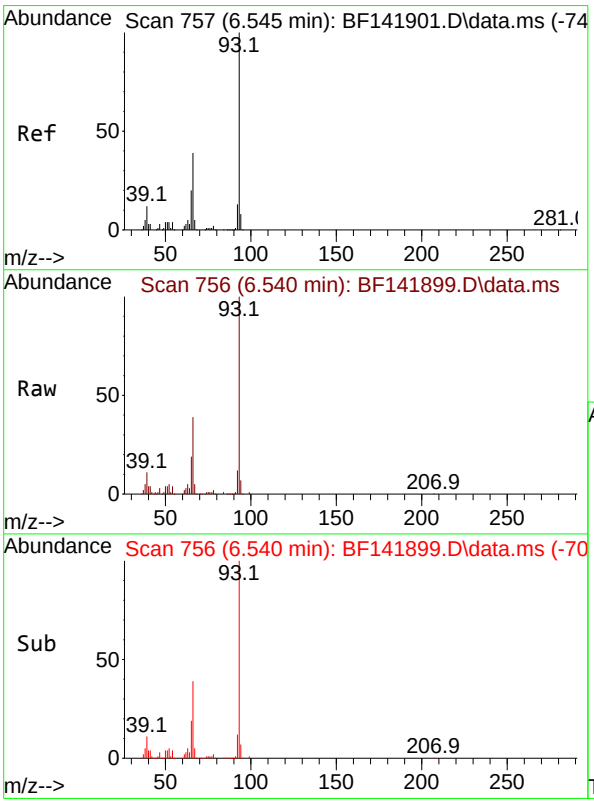

#5
2-Fluorophenol
Concen: 20.746 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:112 Resp: 279139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.3 | 46.5 | 69.7 |
| 63 | 31.6 | 25.4 | 38.2 |

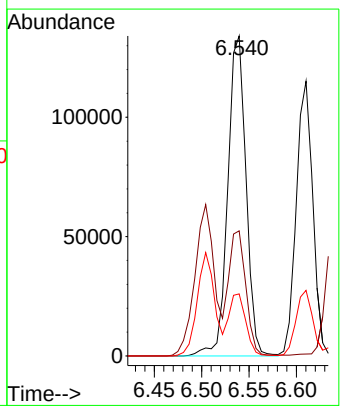


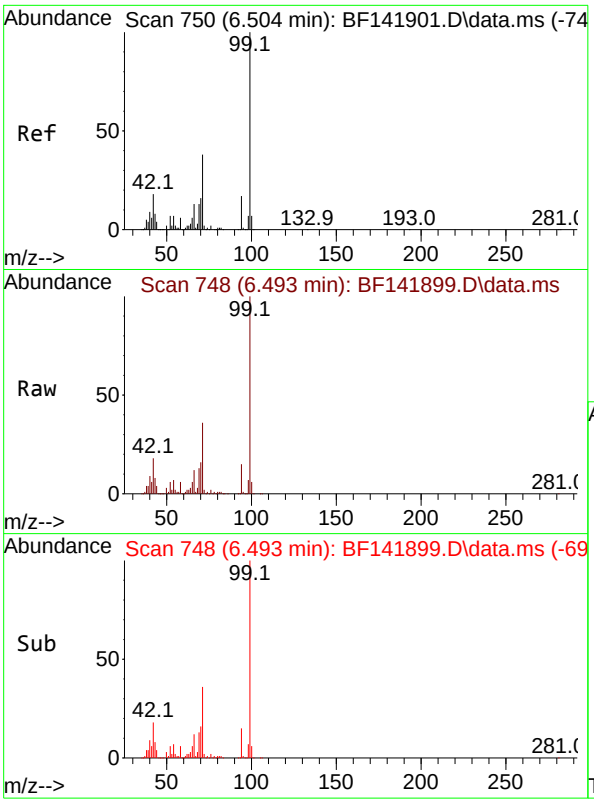




#6
Aniline
Concen: 10.631 ng
RT: 6.540 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 93 Resp: 179854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.1 | 31.9 | 47.9 |
| 65 | 19.4 | 15.8 | 23.6 |



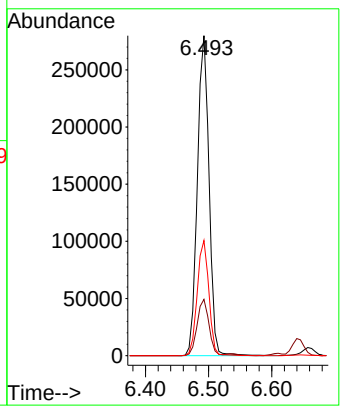


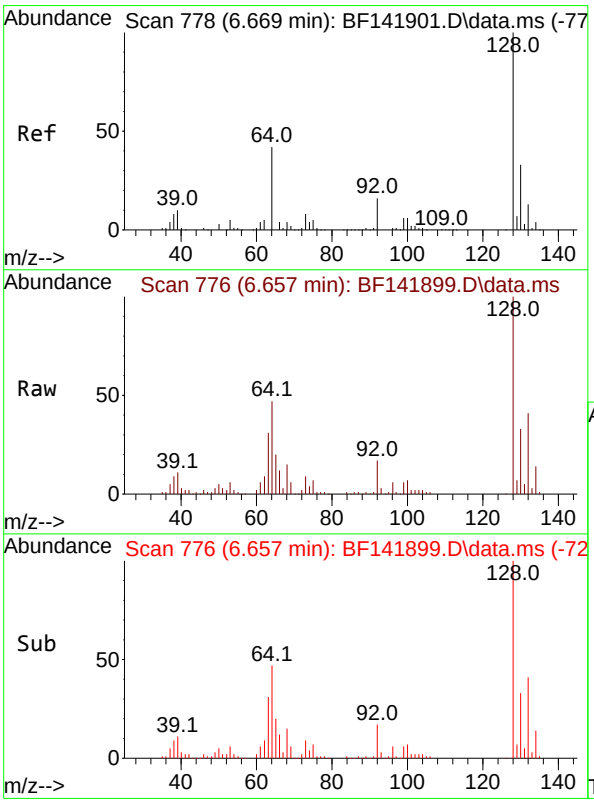

#7
Phenol-d6
Concen: 20.872 ng
RT: 6.493 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion: 99 Resp: 357672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.6 | 14.6 | 21.8 |
| 71 | 36.0 | 30.8 | 46.2 |

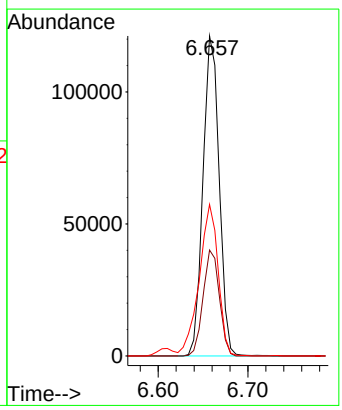


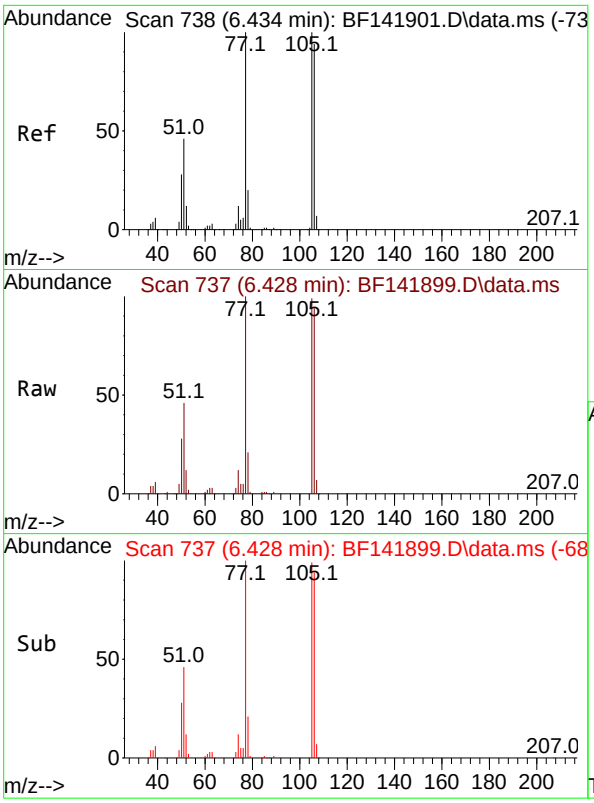




#8
2-Chlorophenol
Concen: 10.192 ng
RT: 6.657 min Scan# 776
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:128 Resp: 151998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.1 | 12.8 | 52.8 |
| 64 | 47.3 | 24.4 | 64.4 |



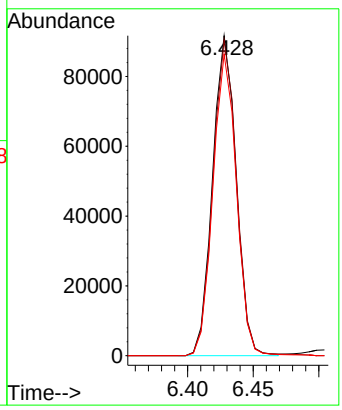


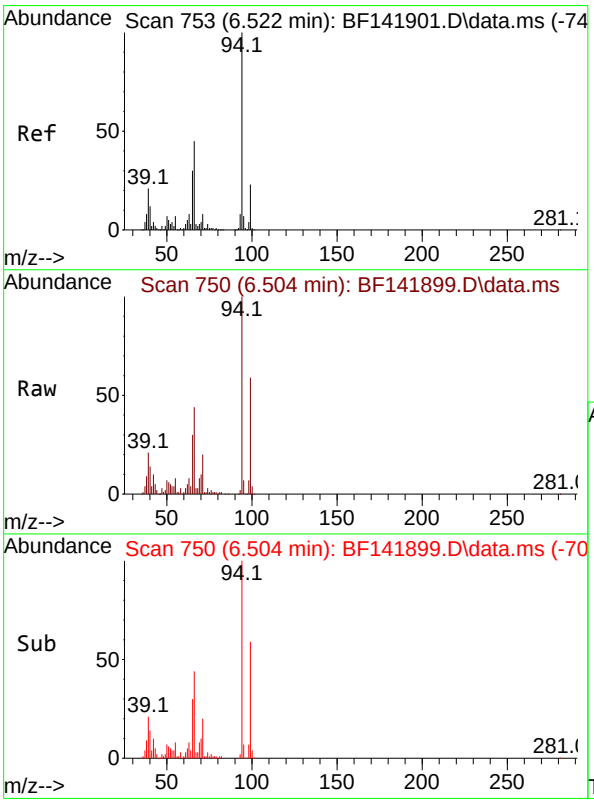

#9
Benzaldehyde
Concen: 11.963 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion: 77 Resp: 114586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 98.6 | 80.0 | 120.0 |
| 106 | 94.3 | 74.5 | 114.5 |

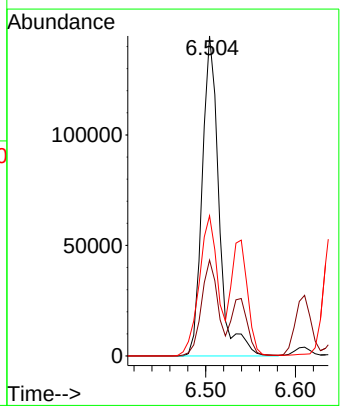


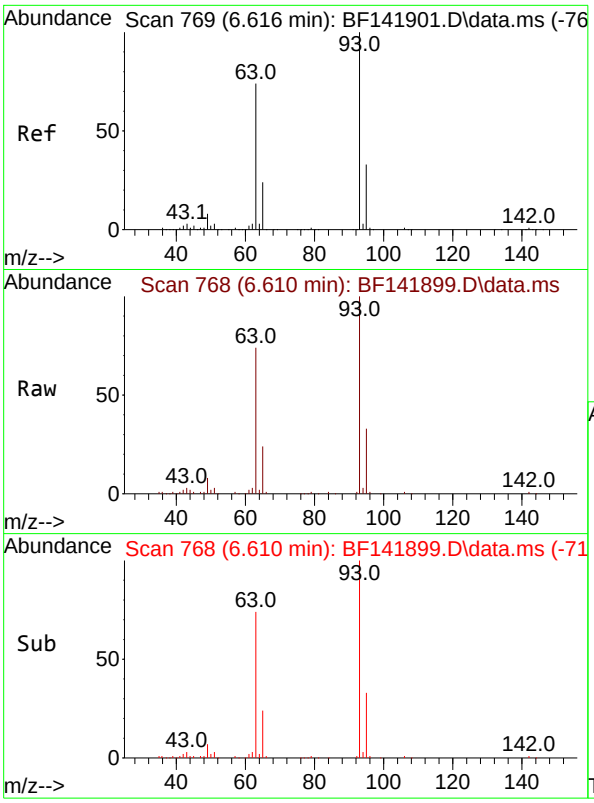




#10
Phenol
Concen: 10.396 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.017 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 94 Resp: 187967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.9 | 10.5 | 50.5 |
| 66 | 43.8 | 25.8 | 65.8 |



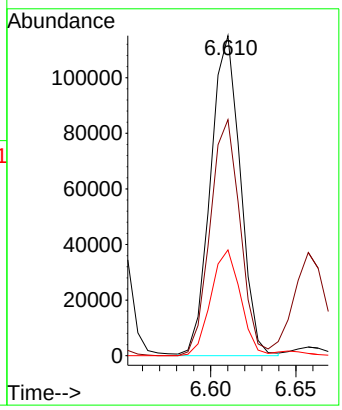


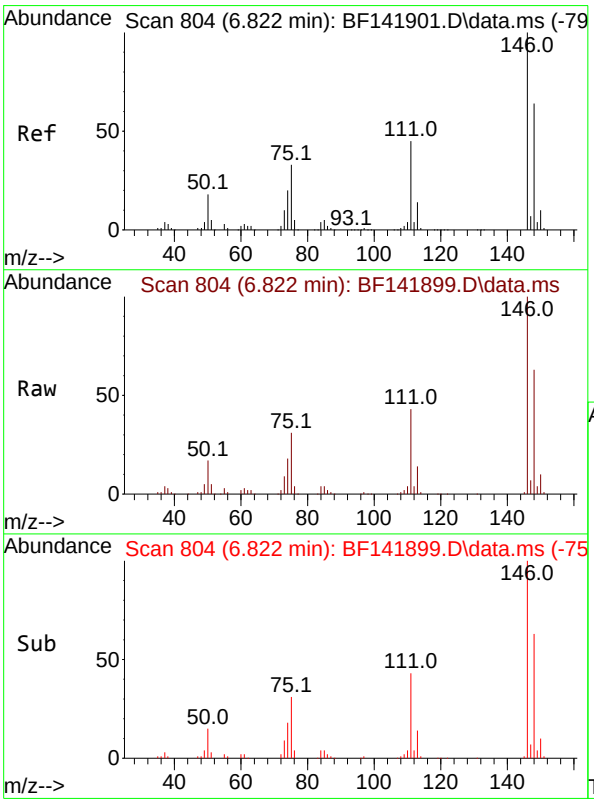

#11
bis(2-Chloroethyl)ether
Concen: 10.321 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion: 93 Resp: 139813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 73.7 | 53.0 | 93.0 |
| 95 | 33.0 | 12.9 | 52.9 |

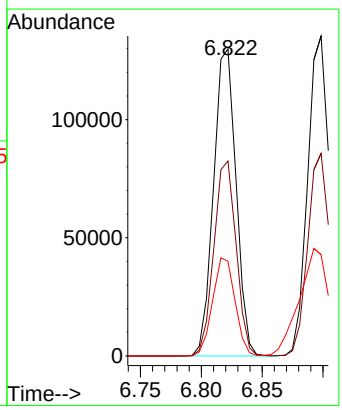


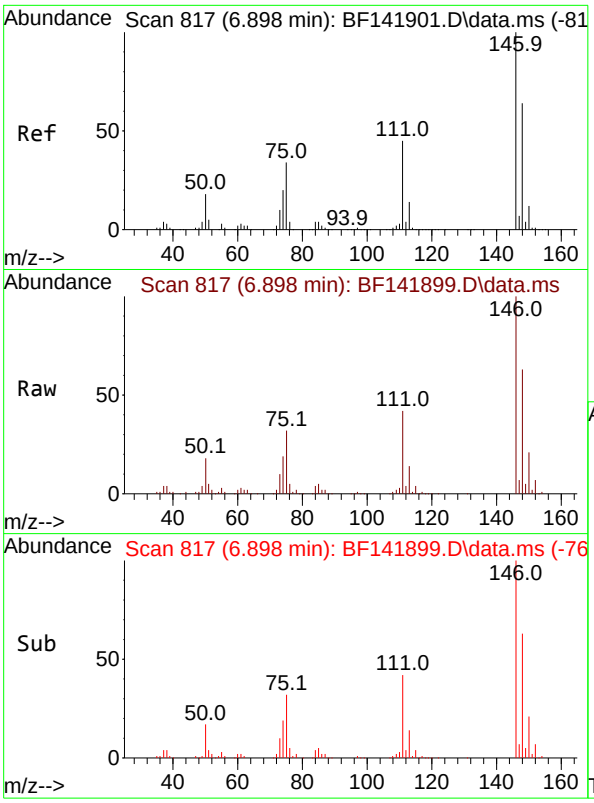




#12
1,3-Dichlorobenzene
Concen: 10.374 ng
RT: 6.822 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:146 Resp: 167192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.5 | 51.3 | 76.9 |
| 75 | 30.8 | 26.6 | 40.0 |



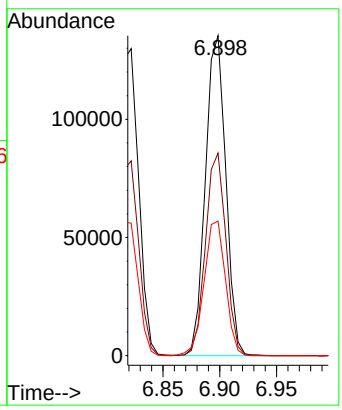


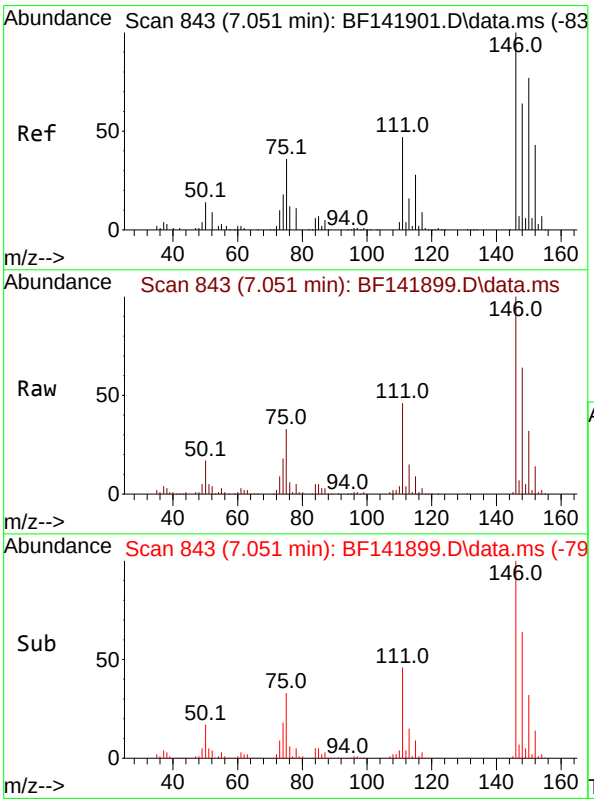

#13
1,4-Dichlorobenzene
Concen: 10.347 ng
RT: 6.898 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:146 Resp: 168717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 51.0 | 76.6 |
| 111 | 42.1 | 35.7 | 53.5 |

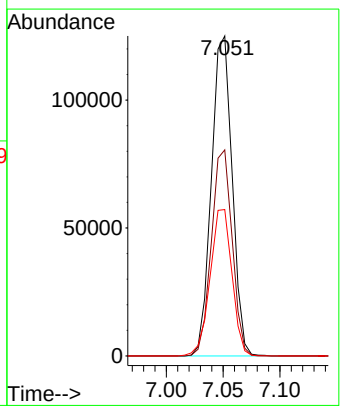


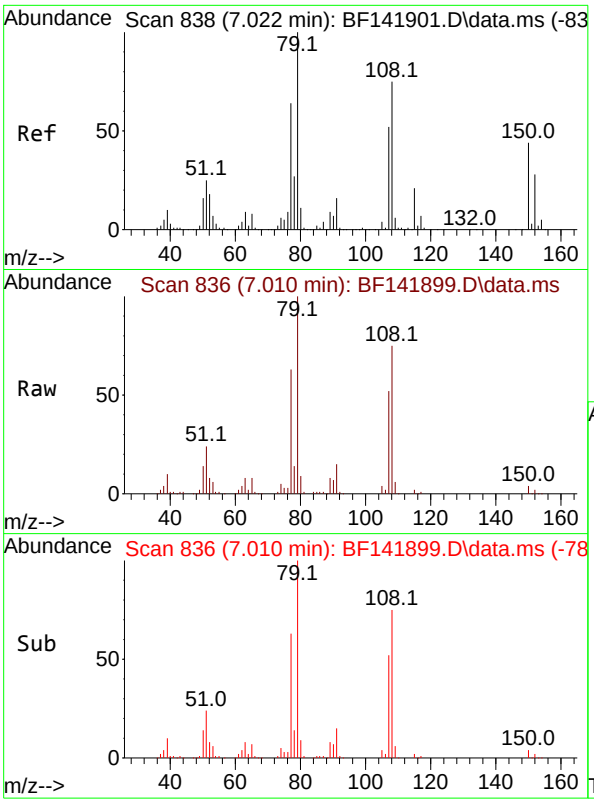




#14
1,2-Dichlorobenzene
Concen: 10.357 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:146 Resp: 159032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 50.8 | 76.2 |
| 111 | 45.8 | 38.0 | 57.0 |



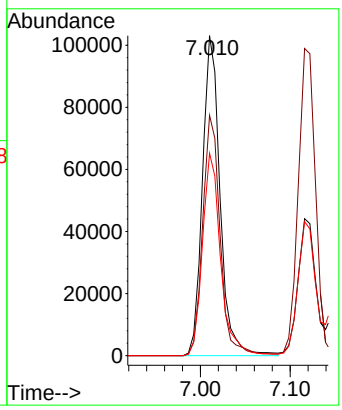


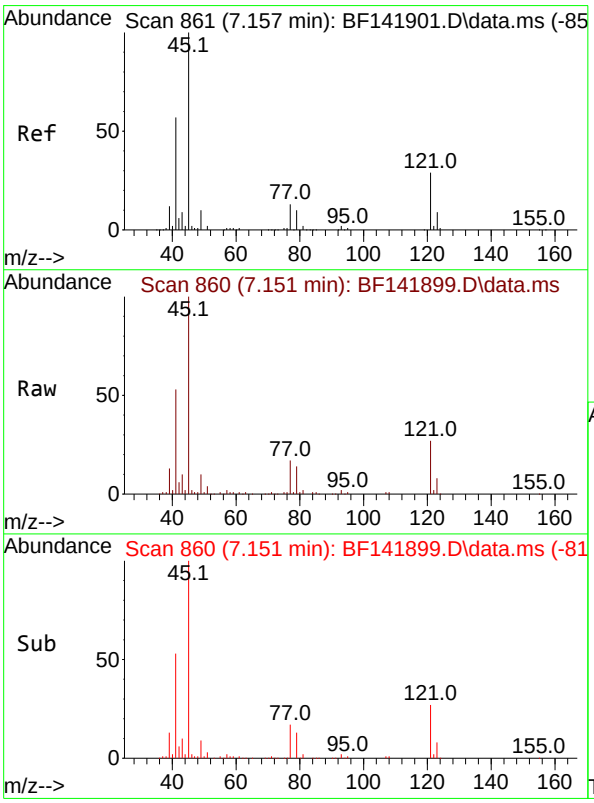

#15
Benzyl Alcohol
Concen: 10.132 ng
RT: 7.010 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion: 79 Resp: 140530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 75.1 | 59.7 | 89.5 |
| 77 | 63.3 | 51.0 | 76.6 |

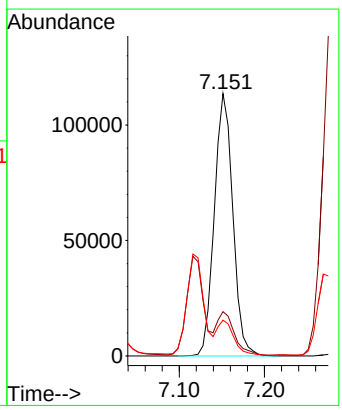


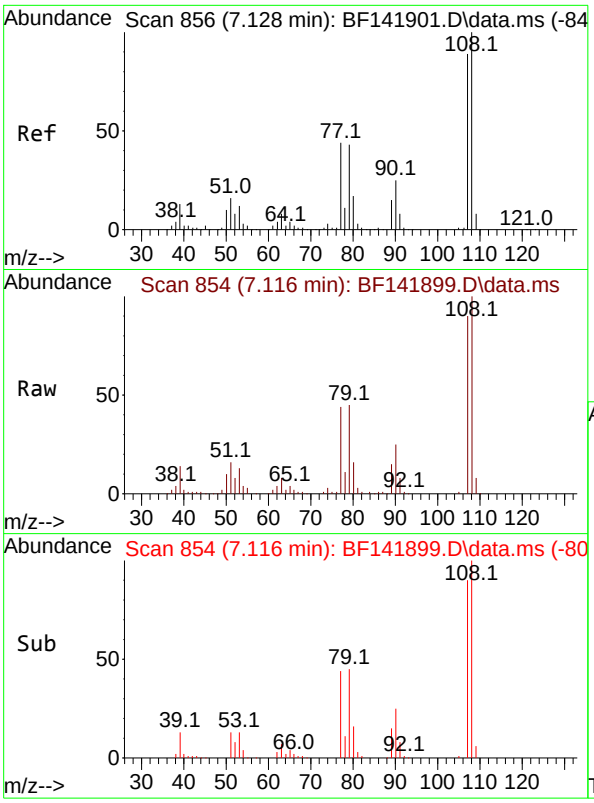




#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.487 ng
RT: 7.151 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 45 Resp: 171225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 16.9 | 0.0 | 37.8 |
| 79 | 13.7 | 0.0 | 34.2 |



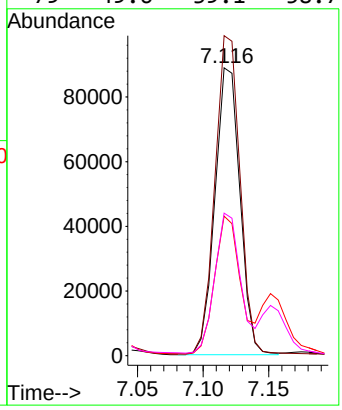


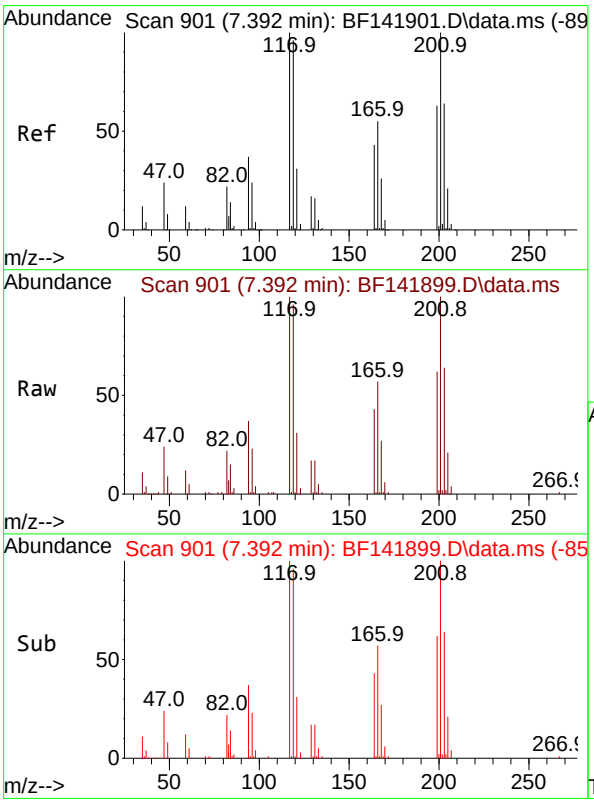

#17
2-Methylphenol
Concen: 9.945 ng
RT: 7.116 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:107 Resp: 117869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.2 | 90.2 | 135.2 |
| 77 | 48.5 | 39.6 | 59.4 |
| 79 | 49.6 | 39.1 | 58.7 |

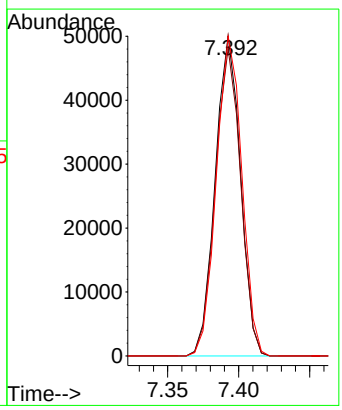


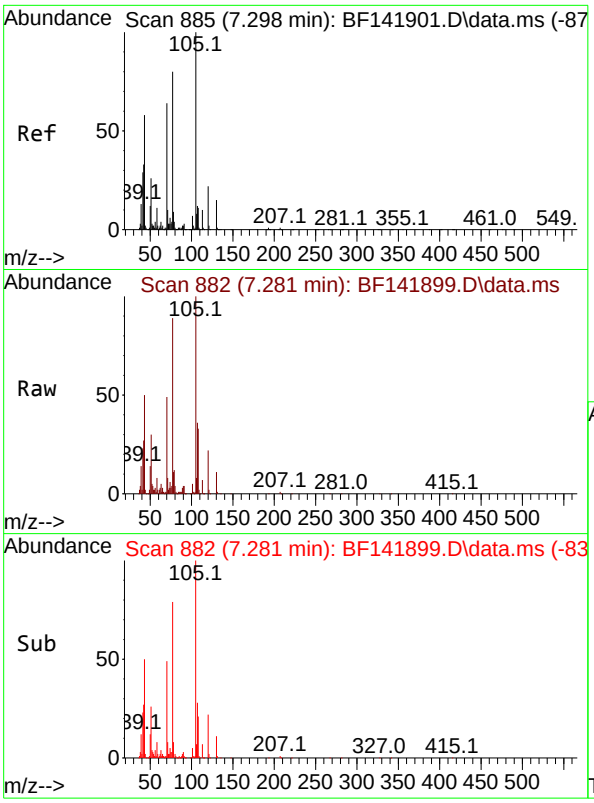




#18
Hexachloroethane
Concen: 10.111 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:117 Resp: 61809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.1 | 76.9 | 115.3 |
| 201 | 99.9 | 79.9 | 119.9 |



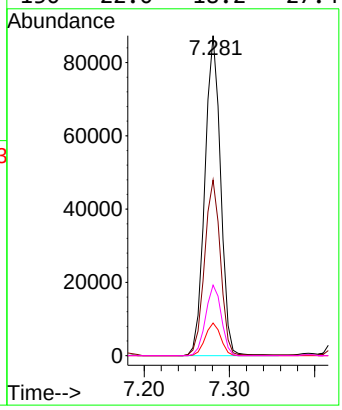


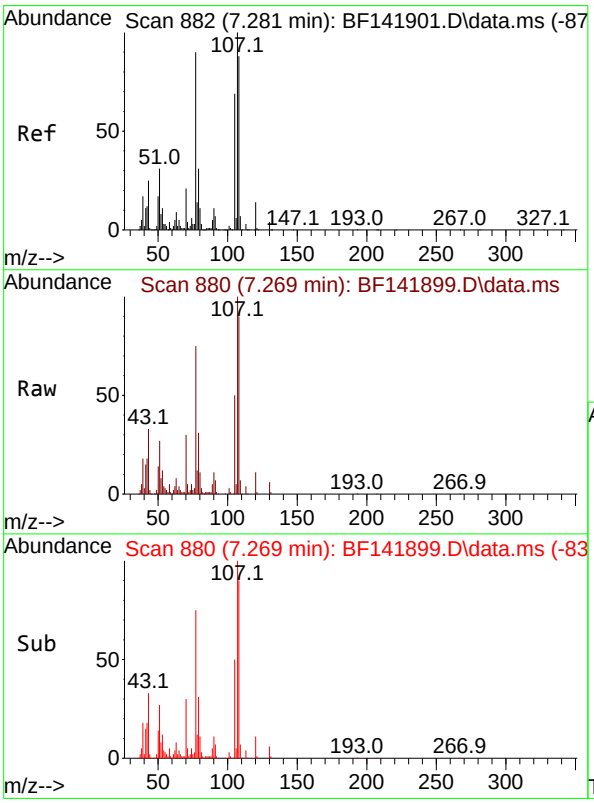

#19
n-Nitroso-di-n-propylamine
Concen: 10.194 ng
RT: 7.281 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion: 70 Resp: 112281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 54.9 | 41.4 | 62.0 |
| 101 | 10.2 | 8.2 | 12.2 |
| 130 | 22.0 | 18.2 | 27.4 |

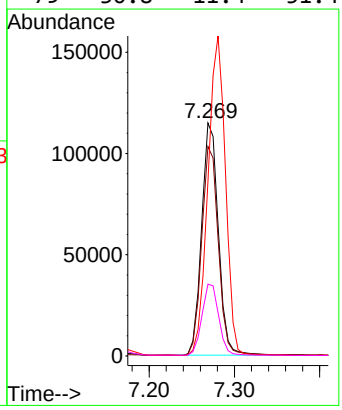


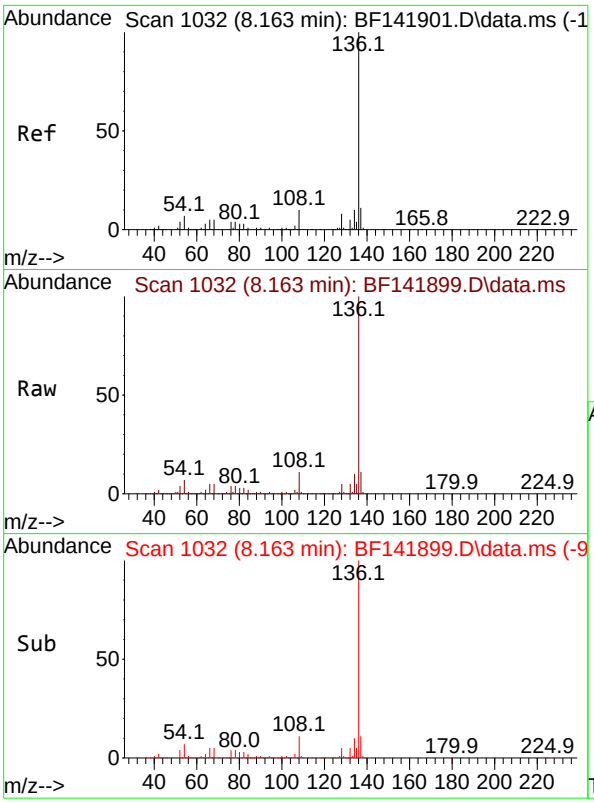




#20
3+4-Methylphenols
Concen: 10.296 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:107 Resp: 156526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.9 | 68.4 | 108.4 |
| 77 | 75.0 | 69.7 | 109.7 |
| 79 | 30.8 | 11.4 | 51.4 |



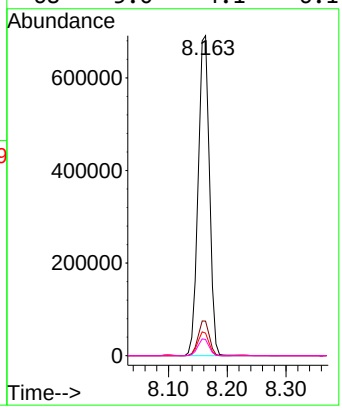


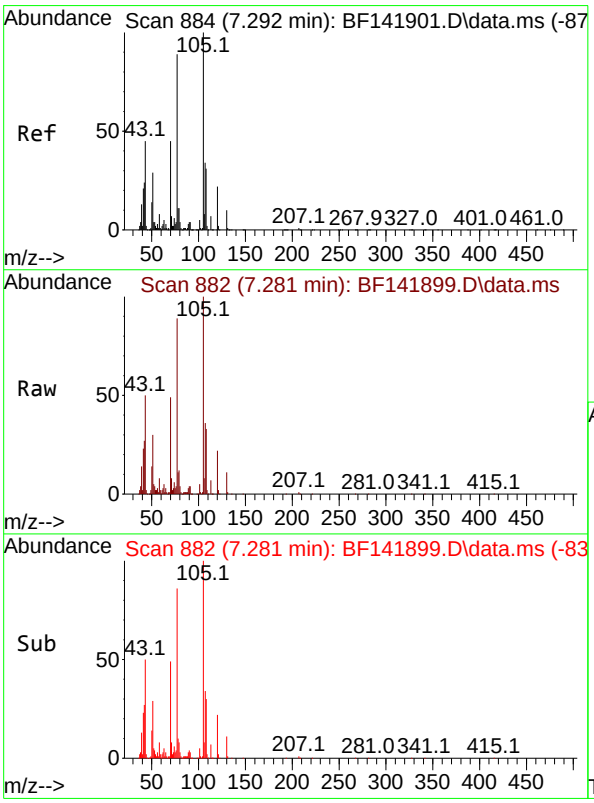

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:136 Resp: 921725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.8 | 13.2 |
| 54 | 7.0 | 5.8 | 8.8 |
| 68 | 5.0 | 4.1 | 6.1 |

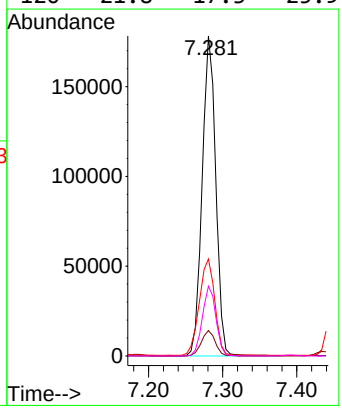


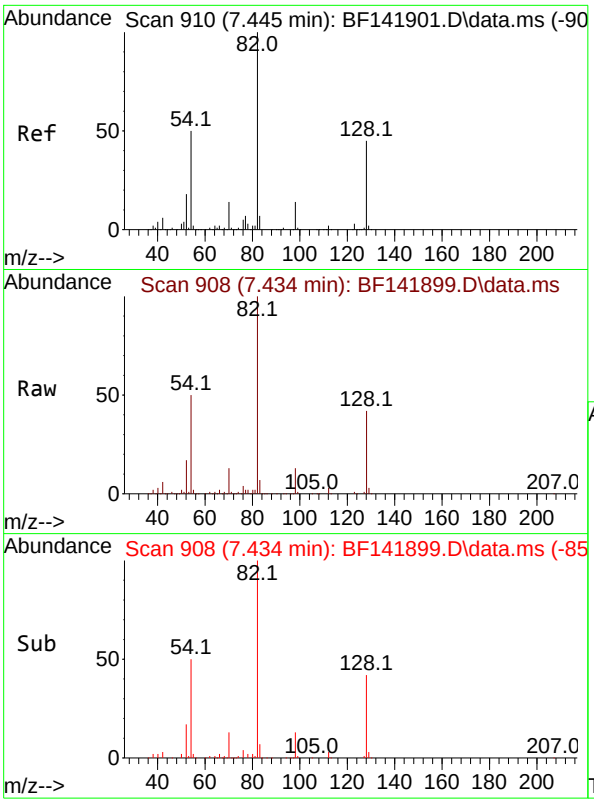




#22
Acetophenone
Concen: 10.282 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:105 Resp: 227350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.0 | 5.8 | 8.8 |
| 51 | 30.3 | 23.4 | 35.0 |
| 120 | 21.8 | 17.3 | 25.9 |



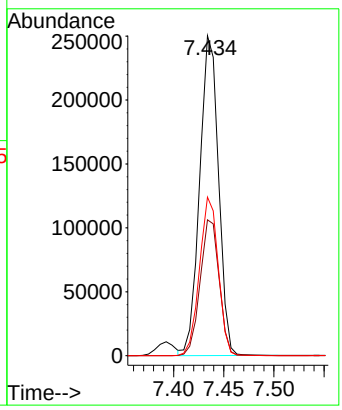


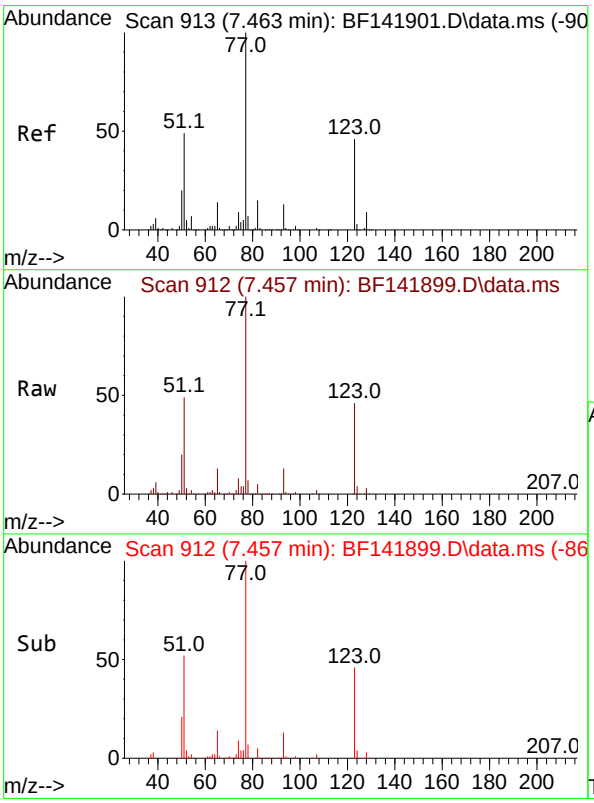

#23
Nitrobenzene-d5
Concen: 19.951 ng
RT: 7.434 min Scan# 9(
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion: 82 Resp: 328098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.5 | 36.0 | 54.0 |
| 54 | 49.6 | 39.6 | 59.4 |

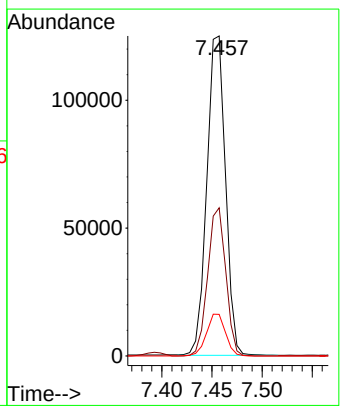


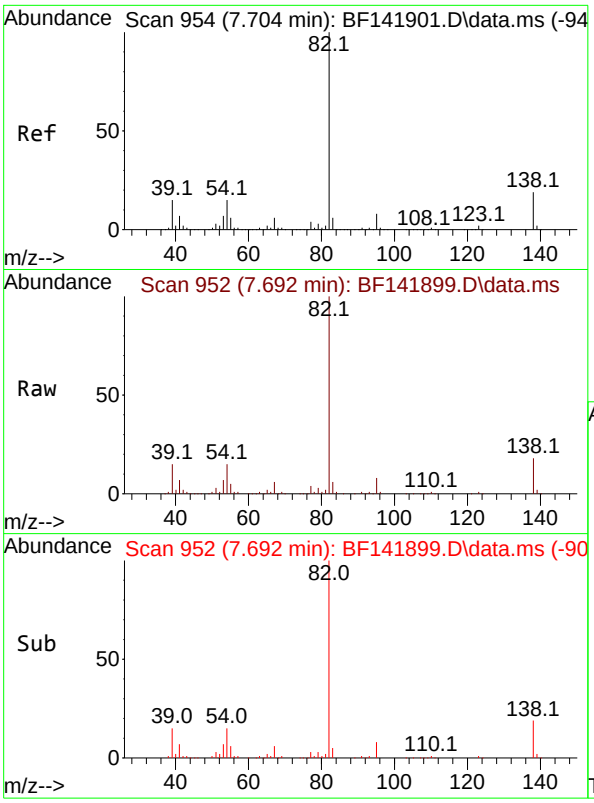




#24
Nitrobenzene
Concen: 9.922 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 77 Resp: 161777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.3 | 37.0 | 55.4 |
| 65 | 13.0 | 11.3 | 16.9 |



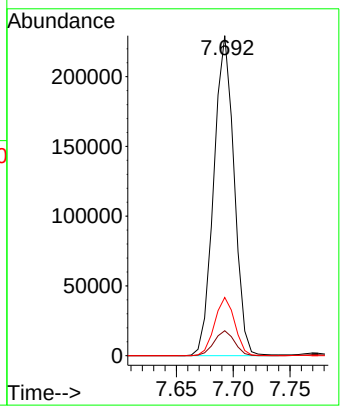


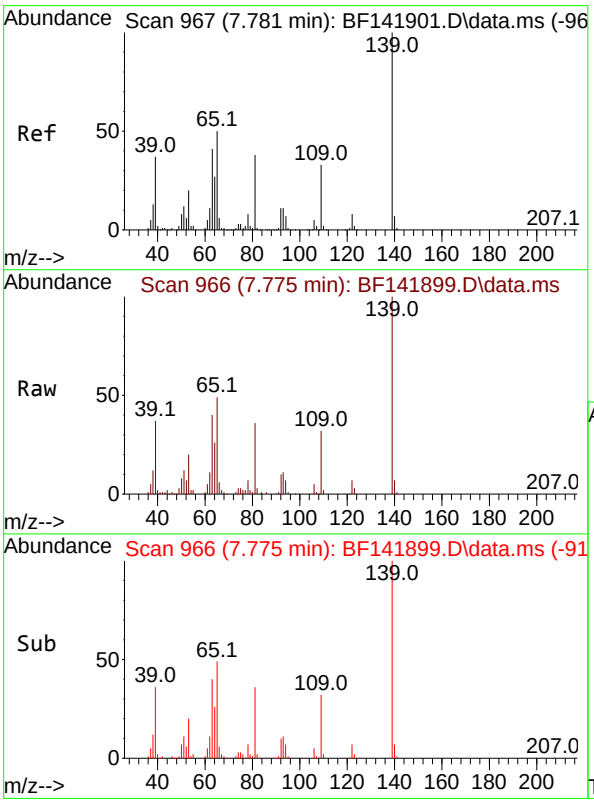

#25
Isophorone
Concen: 9.842 ng
RT: 7.692 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion: 82 Resp: 285760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.8 | 6.4 | 9.6 |
| 138 | 18.2 | 14.9 | 22.3 |

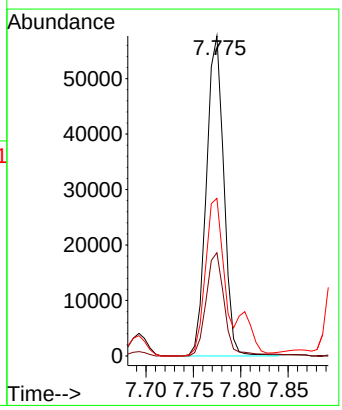


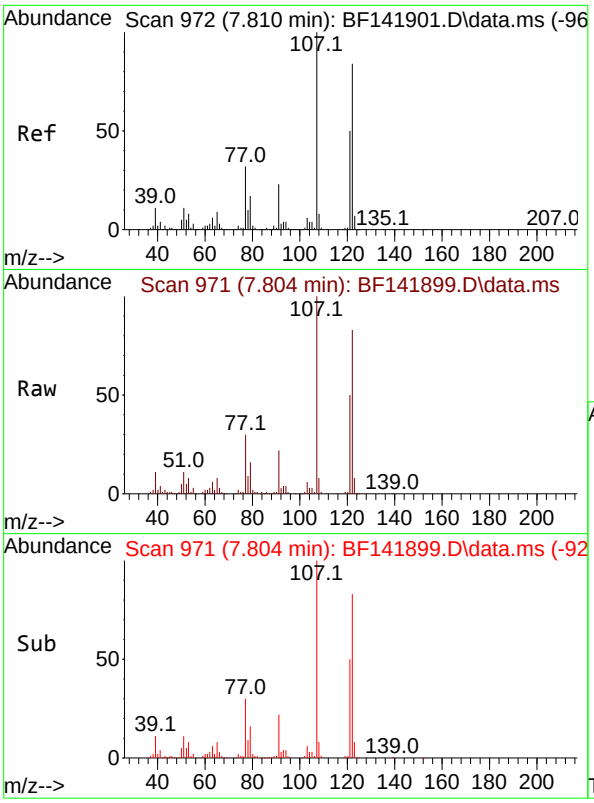




#26
2-Nitrophenol
Concen: 9.174 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:139 Resp: 73301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.2 | 26.5 | 39.7 |
| 65 | 49.3 | 40.3 | 60.5 |



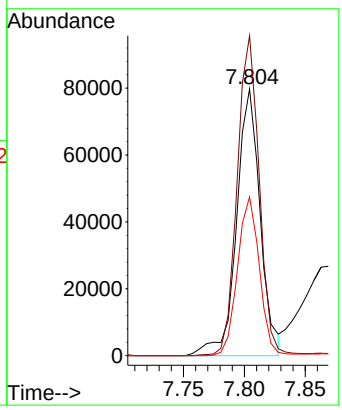


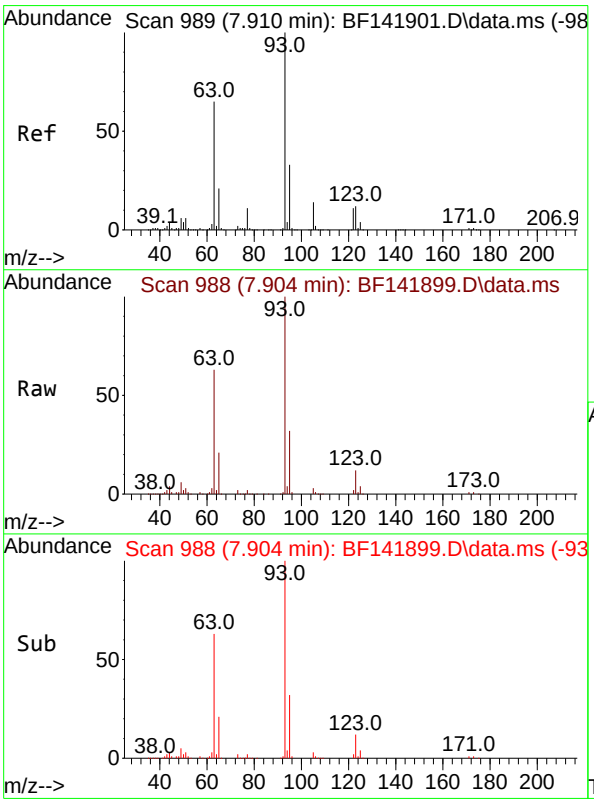

#27
2,4-Dimethylphenol
Concen: 9.784 ng
RT: 7.804 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:122 Resp: 107669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 120.0 | 94.8 | 142.2 |
| 121 | 59.5 | 47.8 | 71.6 |

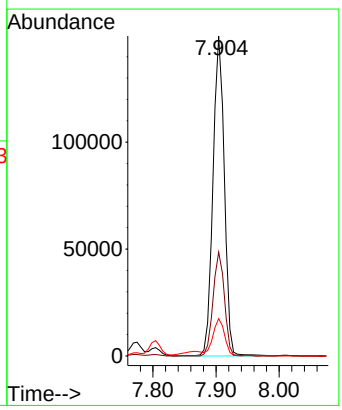


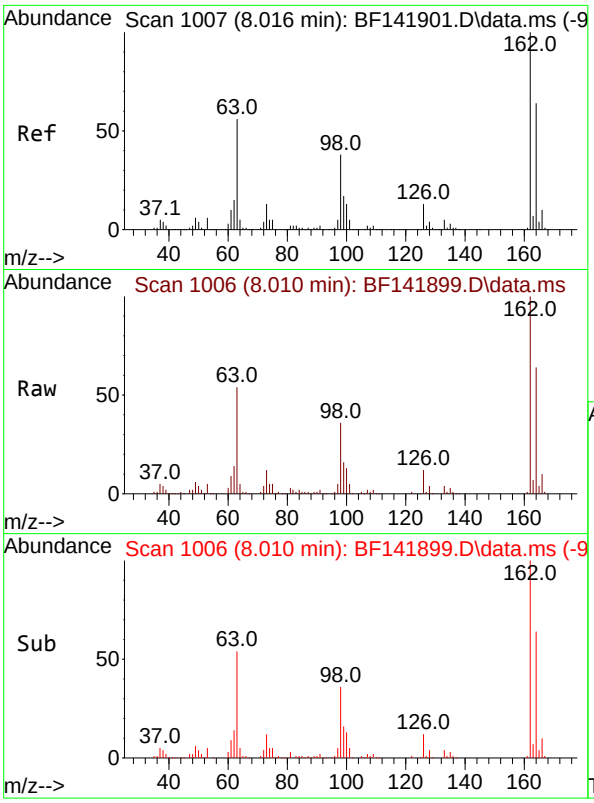




#28
bis(2-Chloroethoxy)methane
Concen: 10.298 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 93 Resp: 187307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.5 | 26.6 | 40.0 |
| 123 | 11.6 | 10.2 | 15.4 |



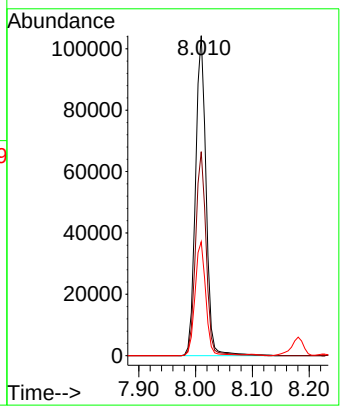


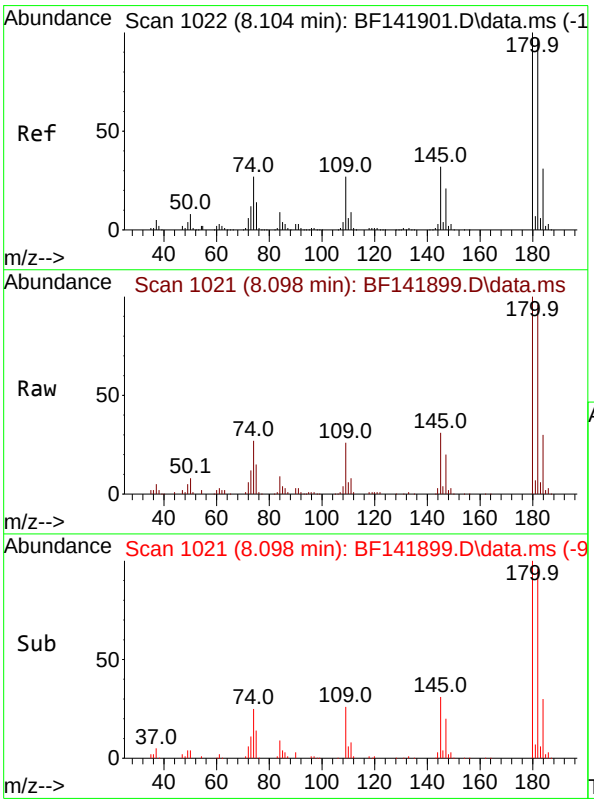

#29
2,4-Dichlorophenol
Concen: 9.941 ng
RT: 8.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:162 Resp: 135772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.7 | 43.8 | 83.8 |
| 98 | 35.6 | 18.1 | 58.1 |

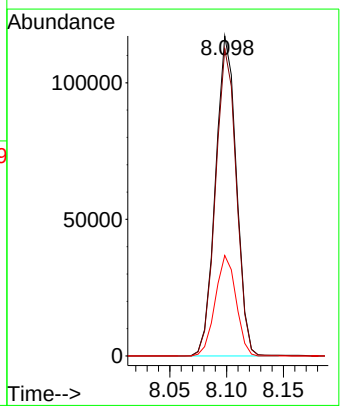


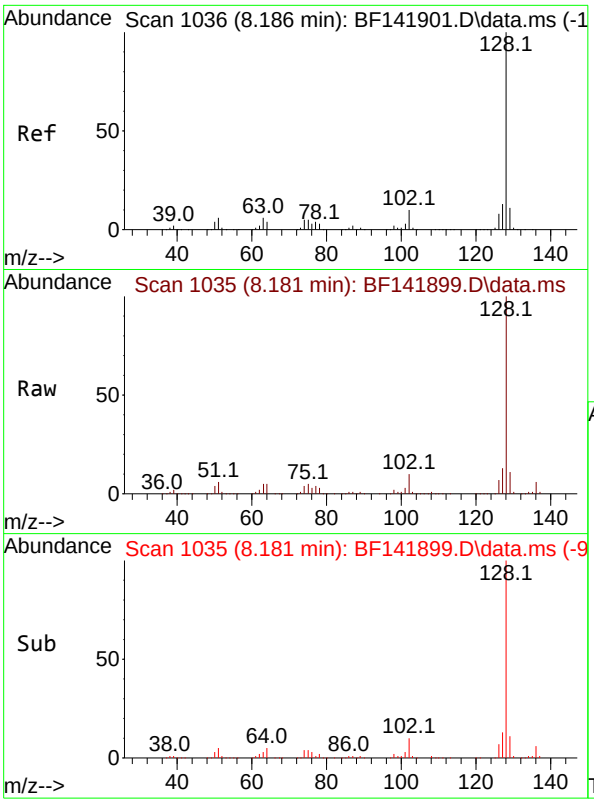




#30
1,2,4-Trichlorobenzene
Concen: 9.941 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:180 Resp: 149790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 77.5 | 116.3 |
| 145 | 31.4 | 25.8 | 38.6 |



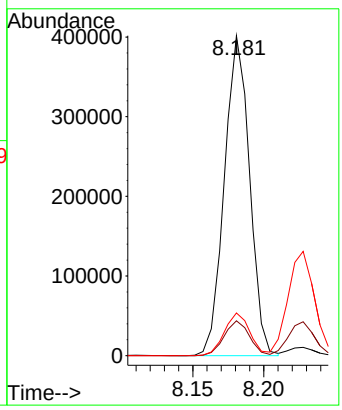


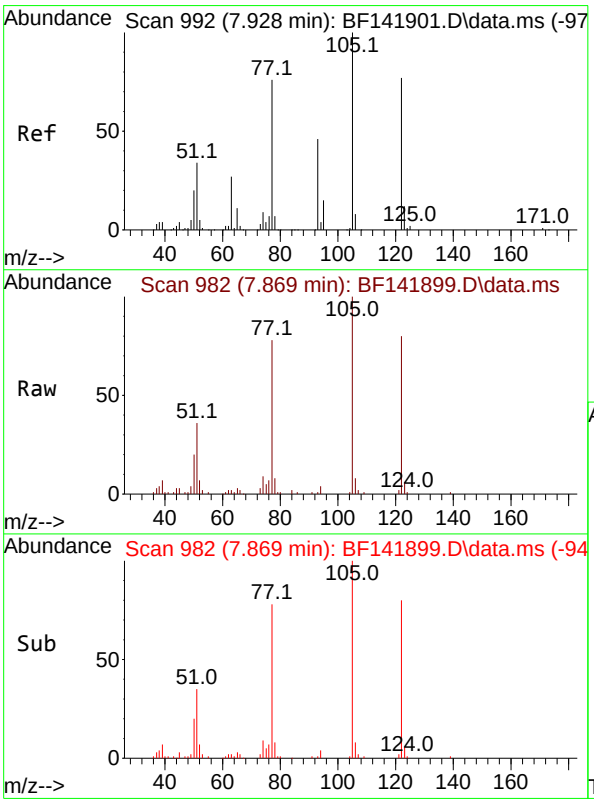

#31
Naphthalene
Concen: 10.493 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:128 Resp: 495470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 9.0 | 13.6 |
| 127 | 13.4 | 10.8 | 16.2 |

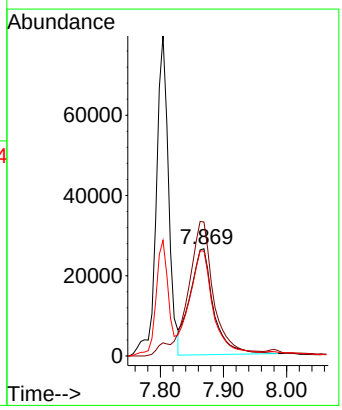


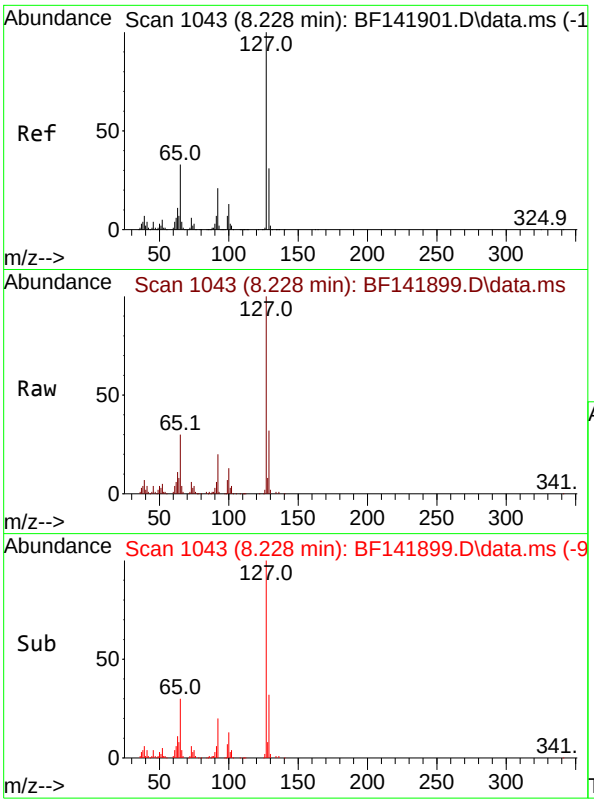




#32
Benzoic acid
Concen: 7.136 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.059 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:122 Resp: 68640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 124.8 | 107.9 | 147.9 |
| 77 | 97.8 | 79.0 | 119.0 |



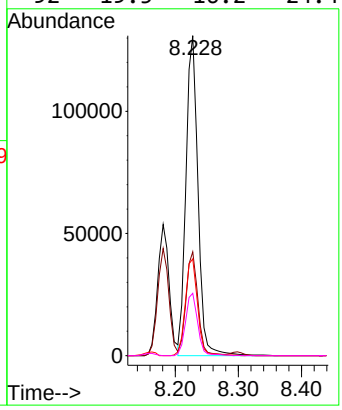


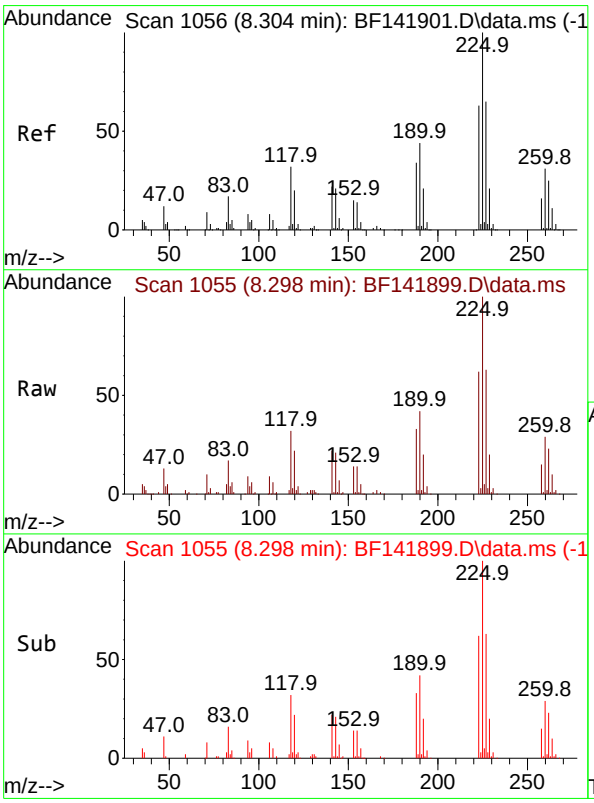

#33
4-Chloroaniline
Concen: 10.441 ng
RT: 8.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:127 Resp: 173977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.5 | 26.2 | 39.4 |
| 65 | 30.3 | 25.4 | 38.2 |
| 92 | 19.5 | 16.2 | 24.4 |

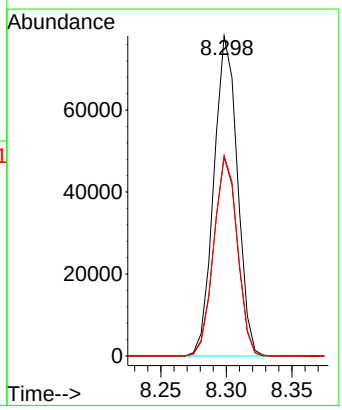


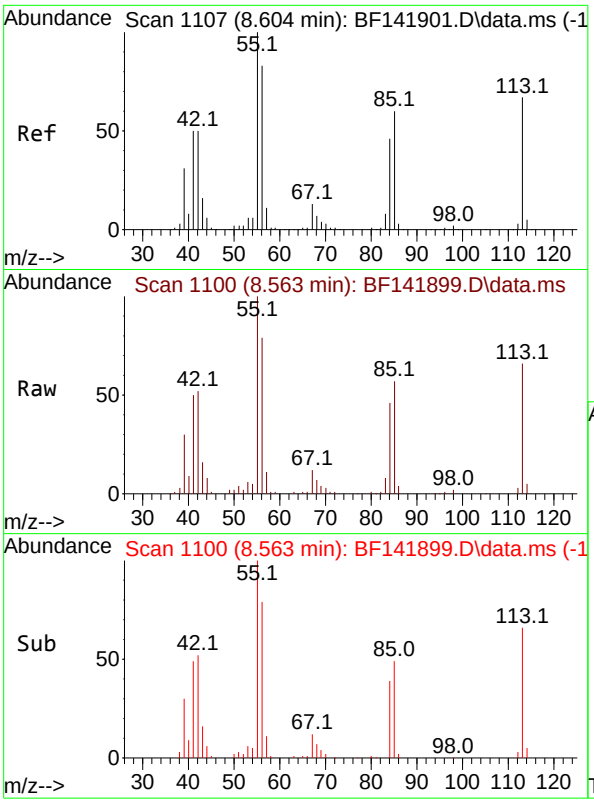




#34
Hexachlorobutadiene
Concen: 9.931 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:225 Resp: 97298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.0 | 50.6 | 75.8 |
| 227 | 62.7 | 52.2 | 78.2 |



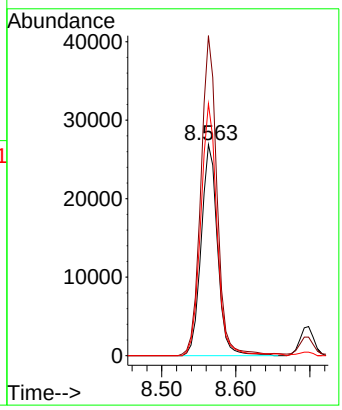


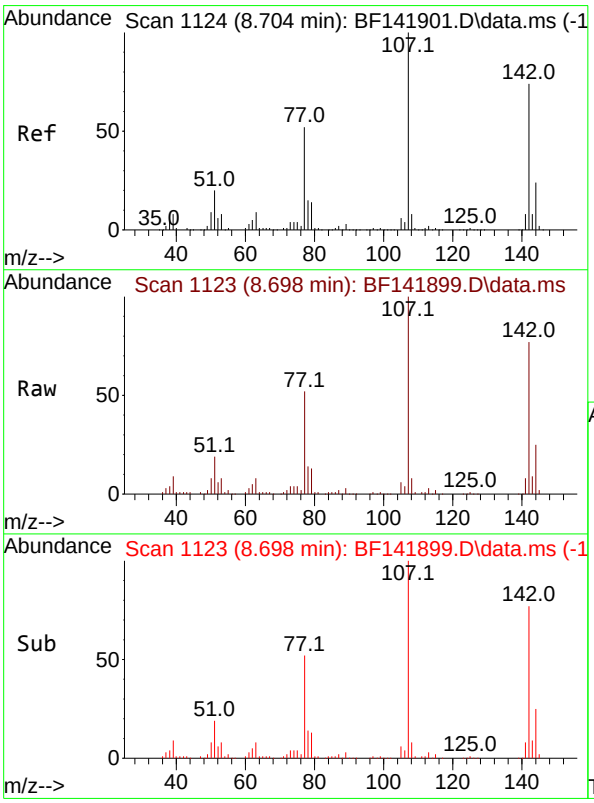

#35
Caprolactam
Concen: 9.922 ng
RT: 8.563 min Scan# 11
Delta R.T. -0.041 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:113 Resp: 41208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 151.6 | 129.6 | 169.6 |
| 56 | 119.3 | 104.0 | 144.0 |

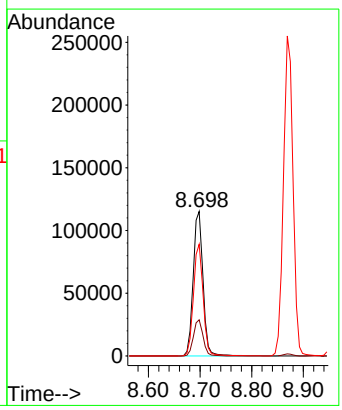


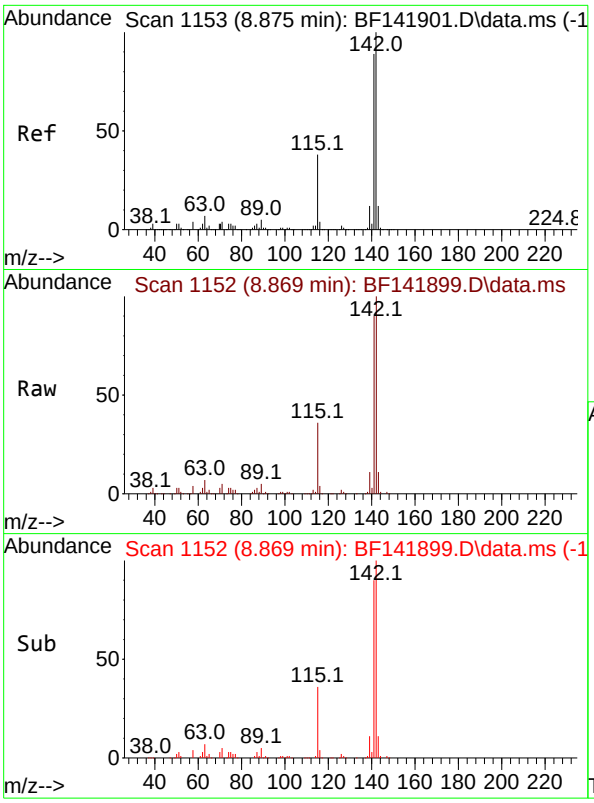




#36
4-Chloro-3-methylphenol
Concen: 10.029 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:107 Resp: 152340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 25.1 | 19.0 | 28.6 |
| 142 | 77.3 | 59.2 | 88.8 |



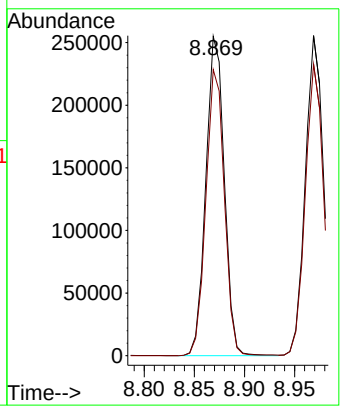


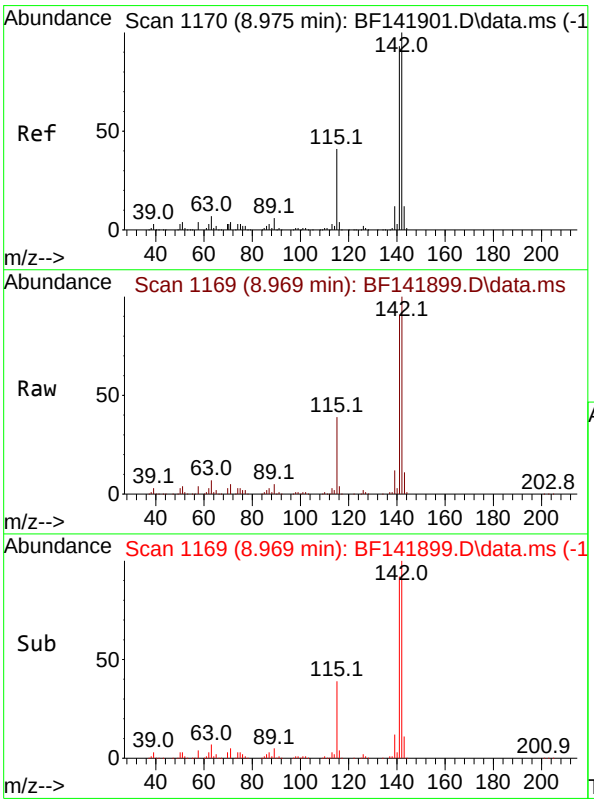

#37
2-Methylnaphthalene
Concen: 10.313 ng
RT: 8.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:142 Resp: 326733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.6 | 71.2 | 106.8 |

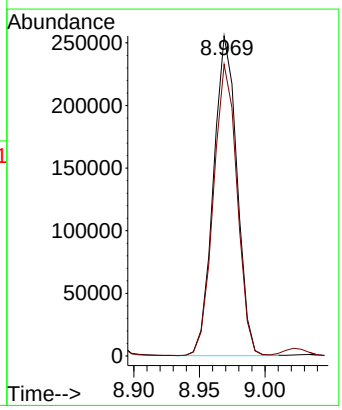


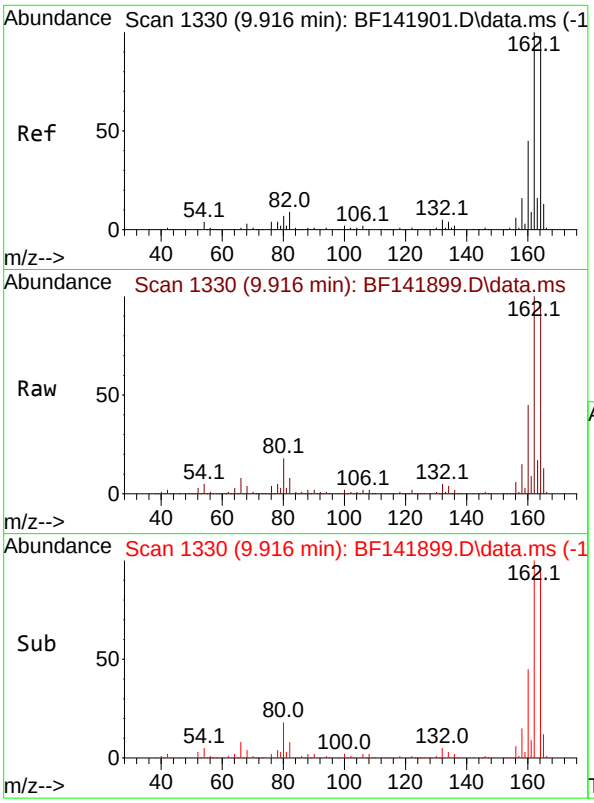




#38
1-Methylnaphthalene
Concen: 10.376 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:142 Resp: 318324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.1 | 74.2 | 111.4 |



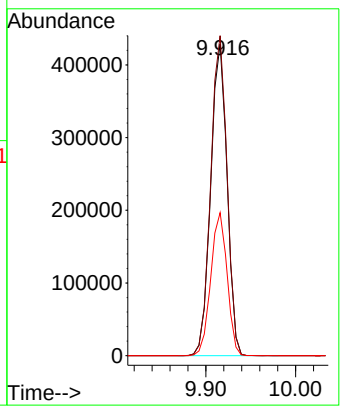


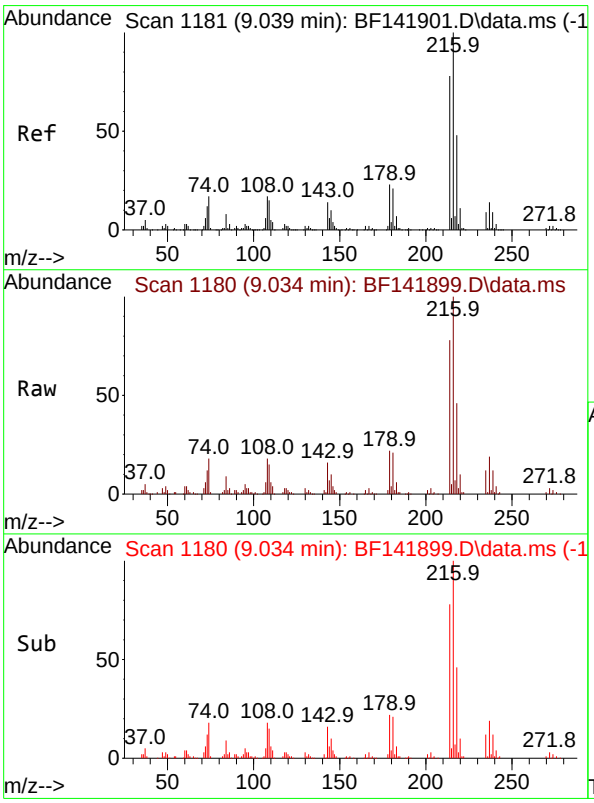

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:164 Resp: 541295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.7 | 81.8 | 122.6 |
| 160 | 45.9 | 36.7 | 55.1 |

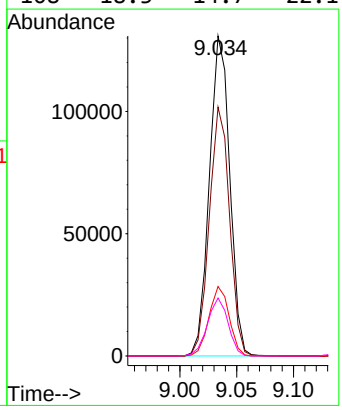


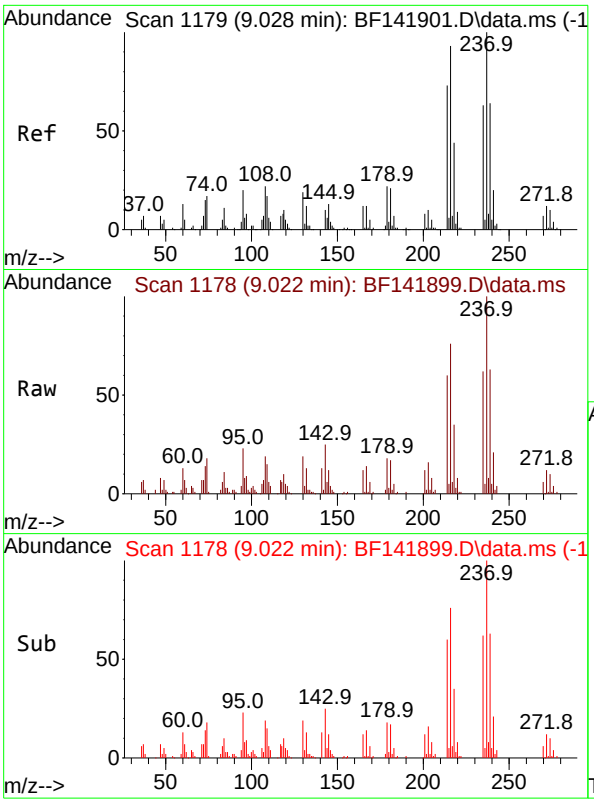




#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.905 ng
RT: 9.034 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:216 Resp: 163481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 77.1 | 61.9 | 92.9 |
| 179 | 21.5 | 18.1 | 27.1 |
| 108 | 18.3 | 14.7 | 22.1 |



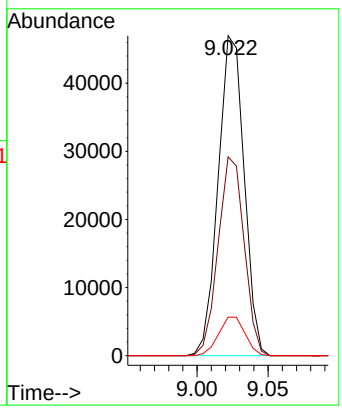


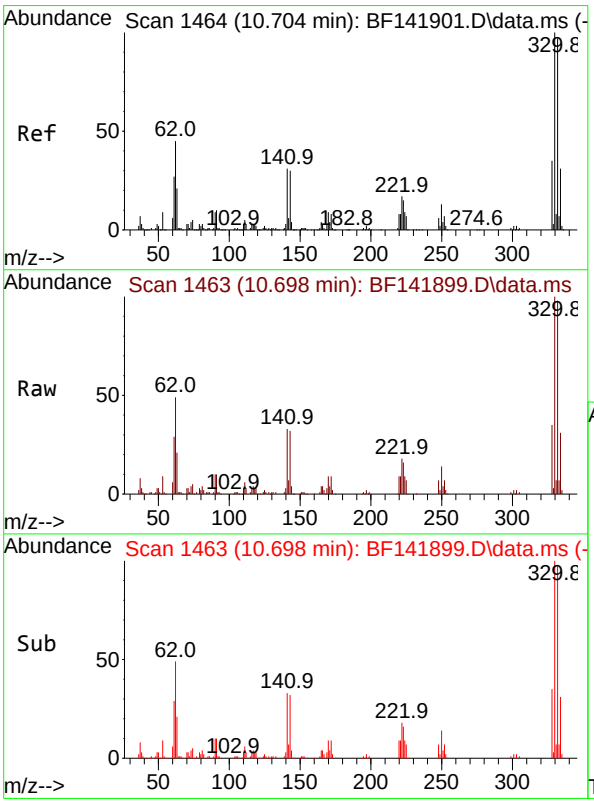

#41
Hexachlorocyclopentadiene
Concen: 9.177 ng
RT: 9.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:237 Resp: 59769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.1 | 43.1 | 83.1 |
| 272 | 12.0 | 0.0 | 32.0 |

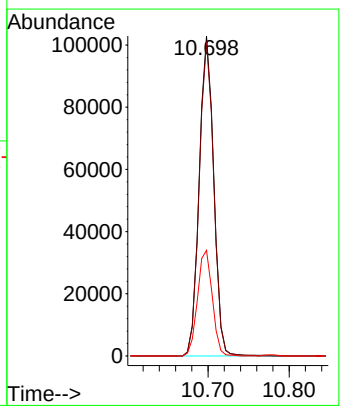


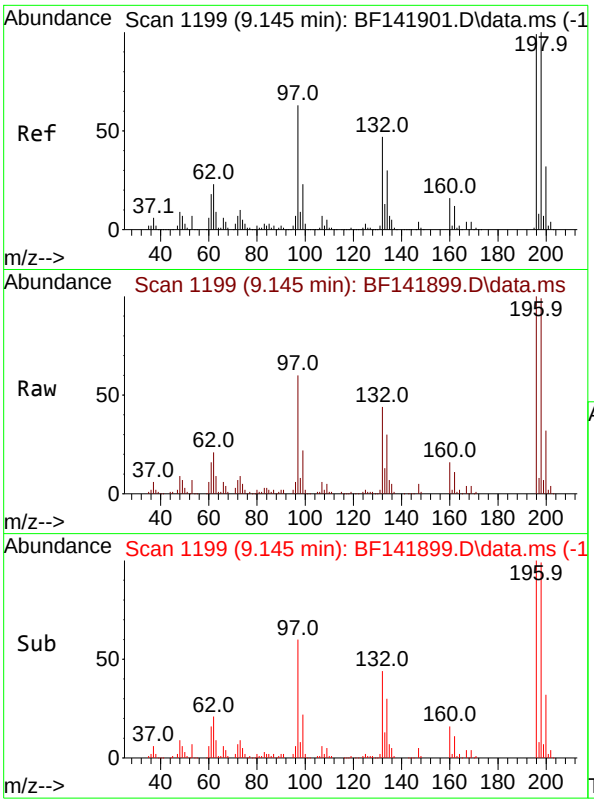




#42
2,4,6-Tribromophenol
Concen: 18.630 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:330 Resp: 127785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.8 | 77.6 | 116.4 |
| 141 | 33.6 | 24.7 | 37.1 |



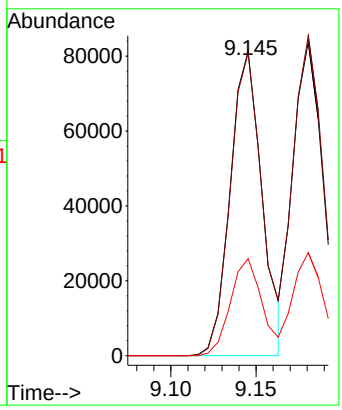


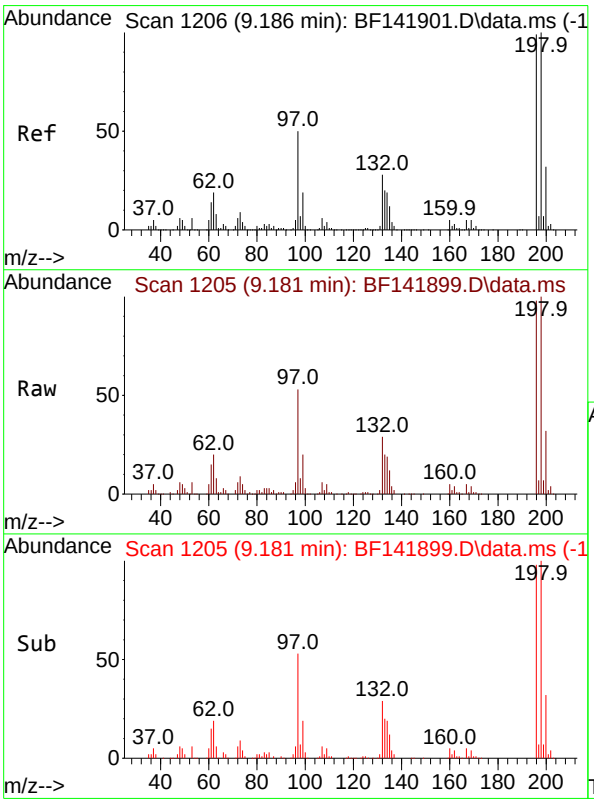

#43
2,4,6-Trichlorophenol
Concen: 9.777 ng
RT: 9.145 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:196 Resp: 105191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.4 | 80.6 | 121.0 |
| 200 | 31.9 | 25.8 | 38.6 |

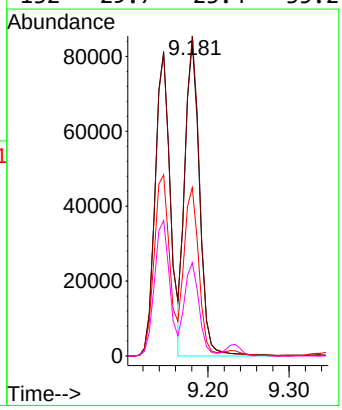


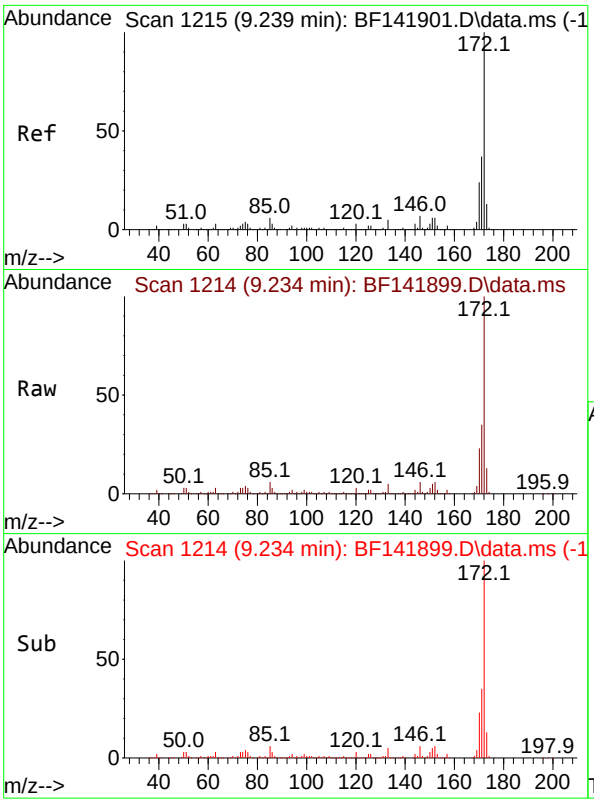




#44
2,4,5-Trichlorophenol
Concen: 9.692 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:196 Resp: 105943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 102.0 | 80.7 | 121.1 |
| 97 | 53.7 | 42.1 | 63.1 |
| 132 | 29.7 | 23.4 | 35.2 |



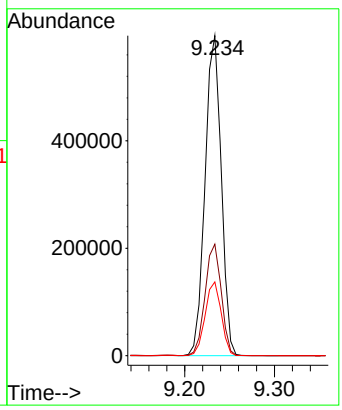


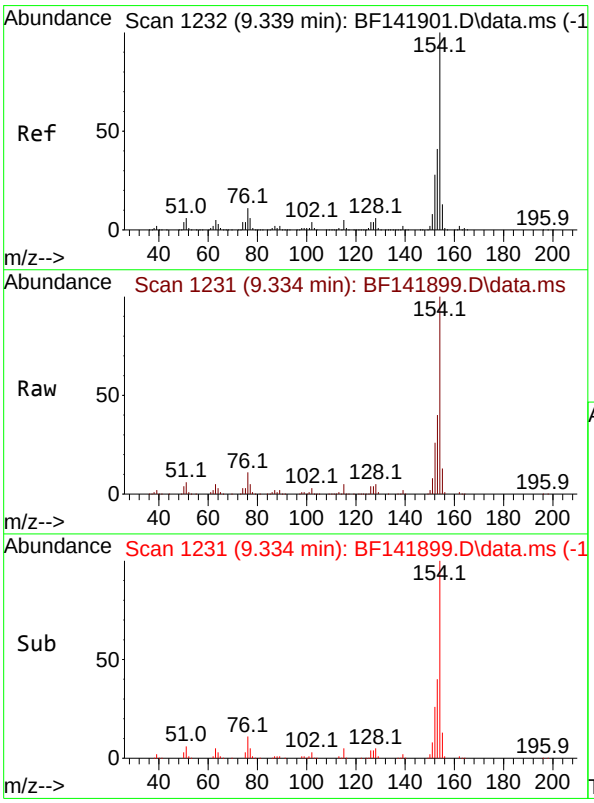

#45
2-Fluorobiphenyl
Concen: 21.003 ng
RT: 9.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:172 Resp: 746589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.9 | 29.3 | 43.9 |
| 170 | 23.1 | 19.4 | 29.0 |

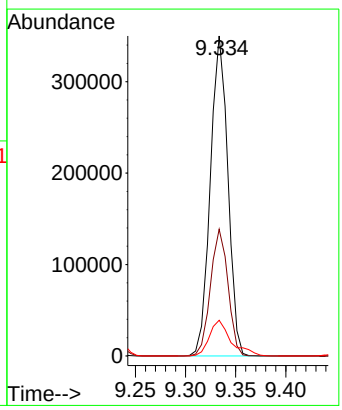


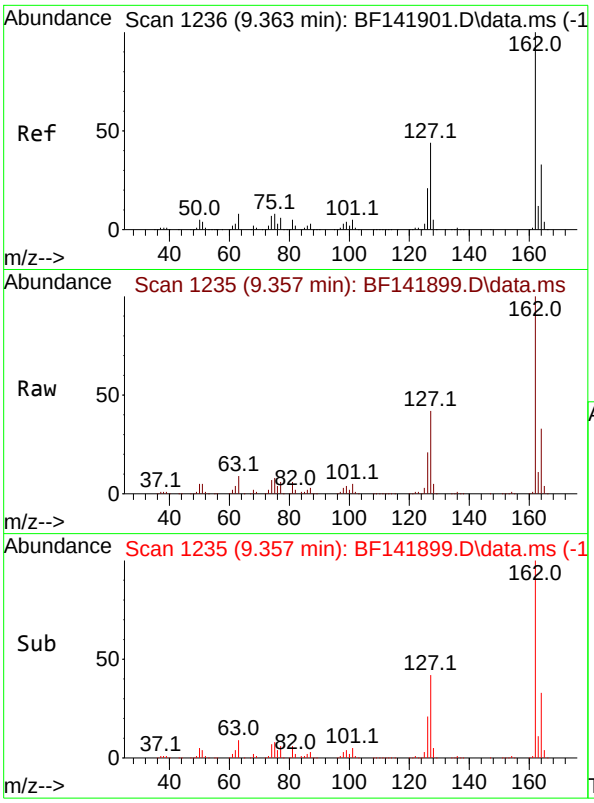




#46
1,1'-Biphenyl
Concen: 10.372 ng
RT: 9.334 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:154 Resp: 425640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.6 | 21.1 | 61.1 |
| 76 | 11.1 | 0.0 | 31.3 |



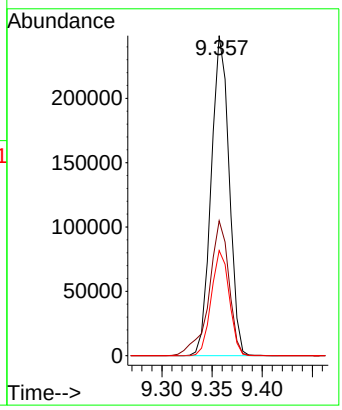


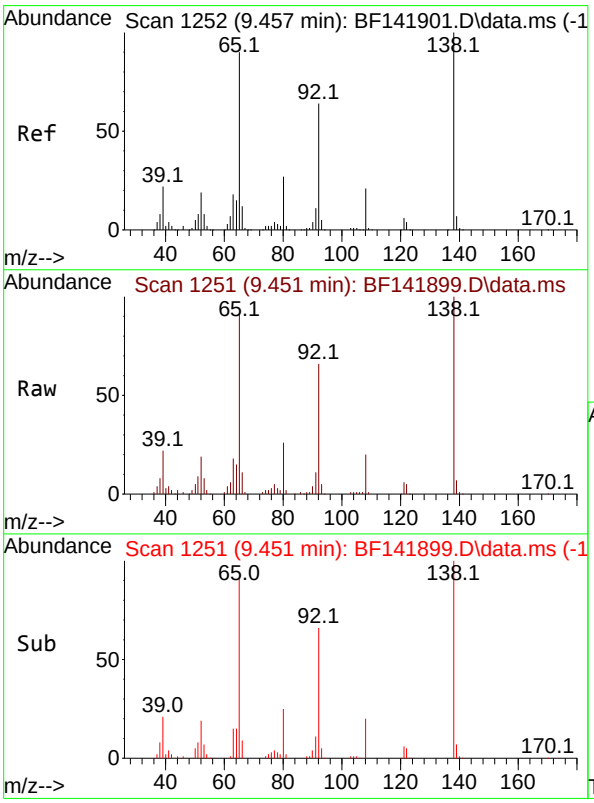

#47
2-Chloronaphthalene
Concen: 10.094 ng
RT: 9.357 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:162 Resp: 308729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.1 | 35.5 | 53.3 |
| 164 | 32.9 | 26.6 | 40.0 |

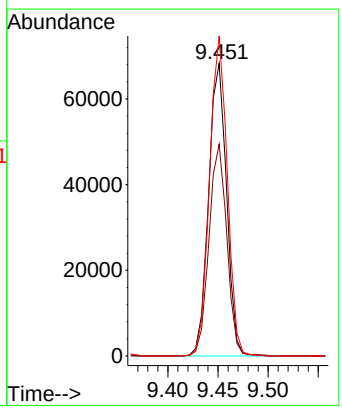


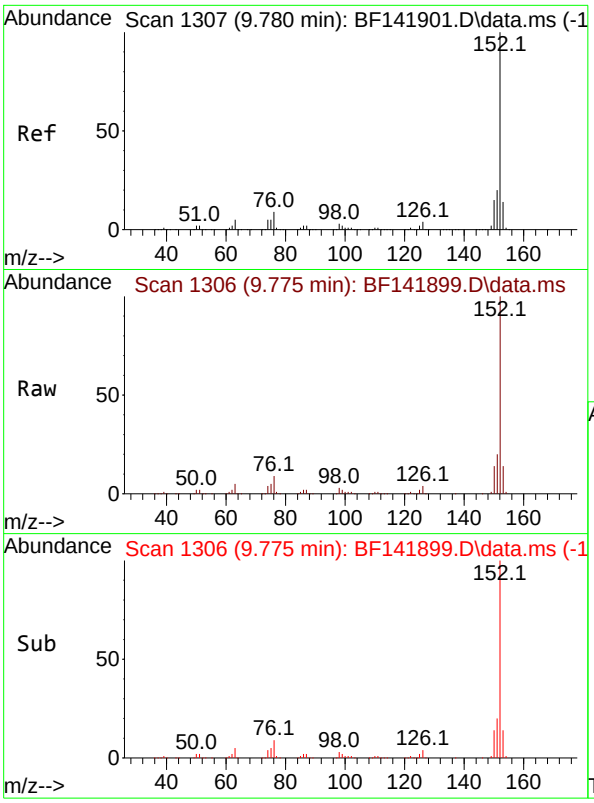




#48
2-Nitroaniline
Concen: 9.658 ng
RT: 9.451 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 65 Resp: 84854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 72.5 | 56.6 | 84.8 |
| 138 | 109.4 | 88.6 | 133.0 |



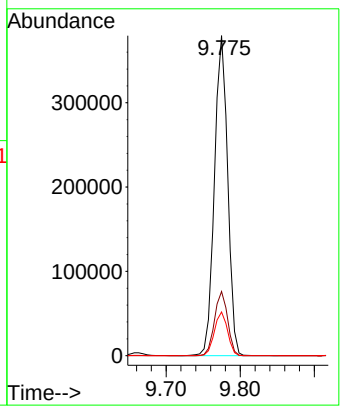


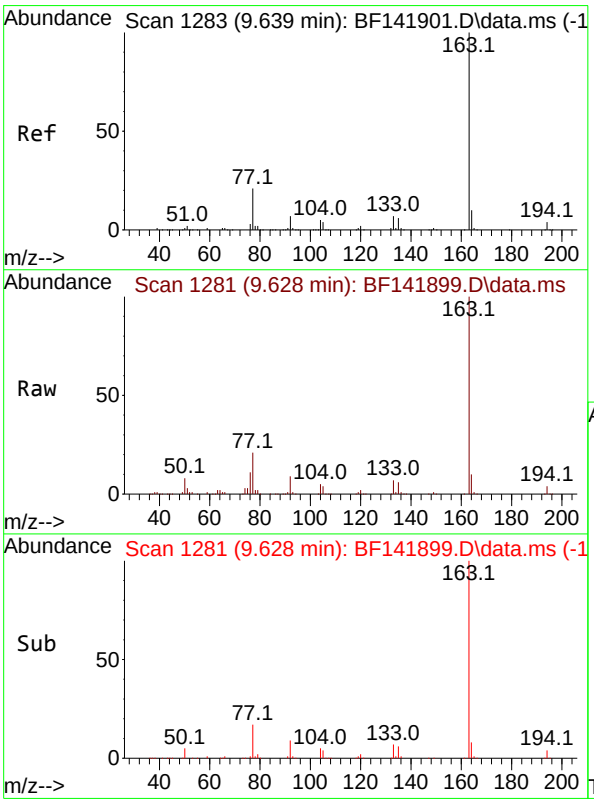

#49
Acenaphthylene
Concen: 10.383 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:152 Resp: 470801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.0 | 16.3 | 24.5 |
| 153 | 13.7 | 11.1 | 16.7 |

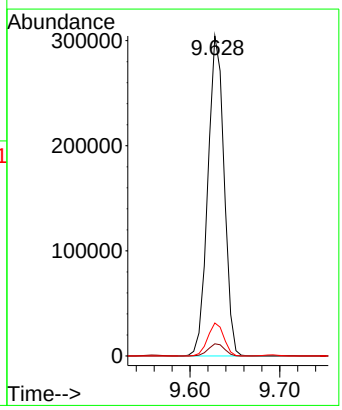


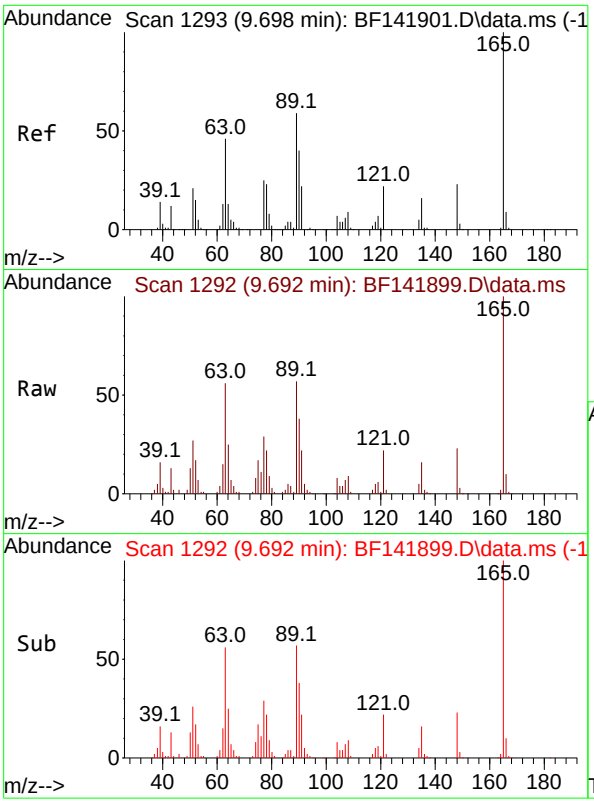




#50
Dimethylphthalate
Concen: 10.176 ng
RT: 9.628 min Scan# 1281
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:163 Resp: 382722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.1 | 4.7 |
| 164 | 10.3 | 8.2 | 12.4 |



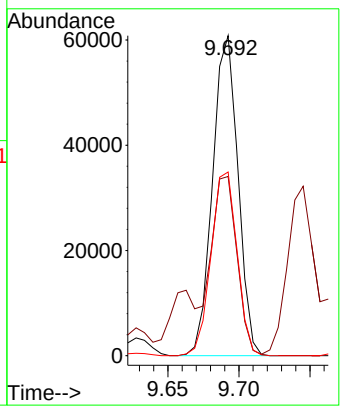


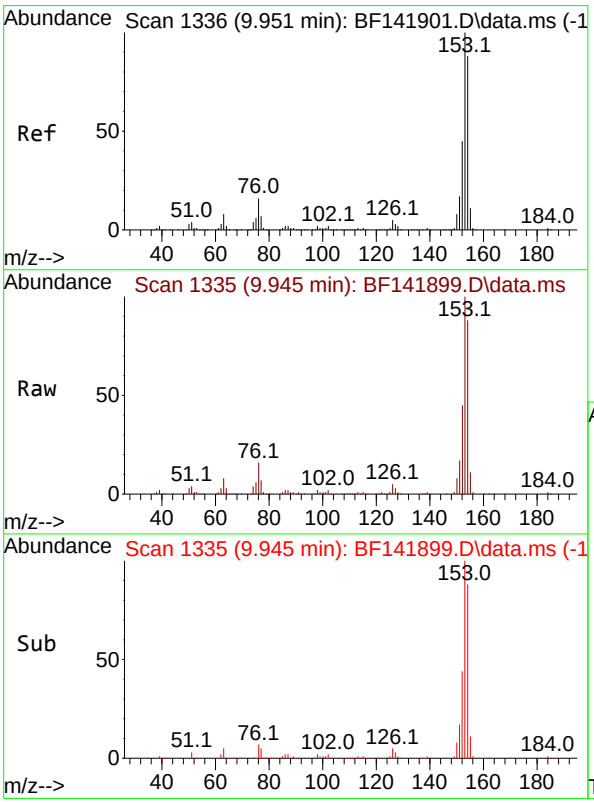

#51
2,6-Dinitrotoluene
Concen: 9.663 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:165 Resp: 75577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 56.0 | 47.0 | 70.4 |
| 89 | 57.4 | 47.4 | 71.2 |

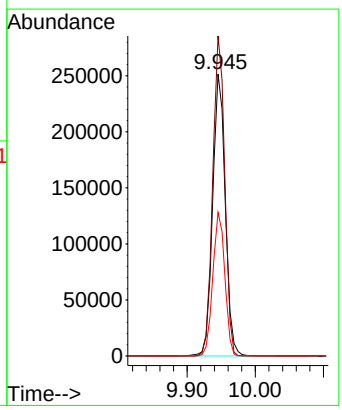


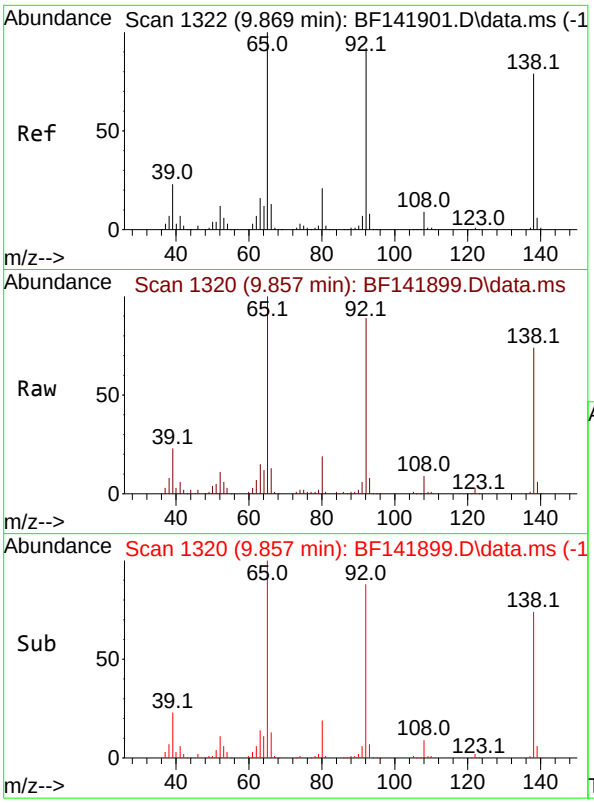




#52
Acenaphthene
Concen: 10.101 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:154 Resp: 323406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.6 | 90.7 | 136.1 |
| 152 | 50.9 | 41.1 | 61.7 |



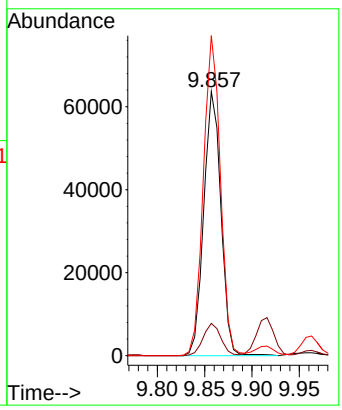


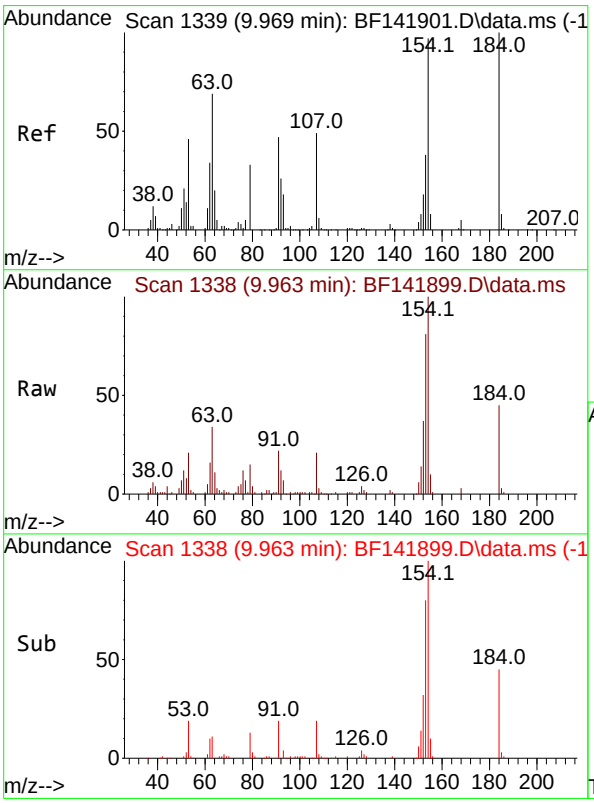

#53
3-Nitroaniline
Concen: 9.955 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:138 Resp: 79944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 12.2 | 9.3 | 13.9 |
| 92 | 121.1 | 93.5 | 140.3 |

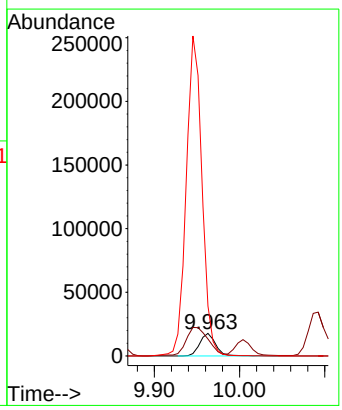


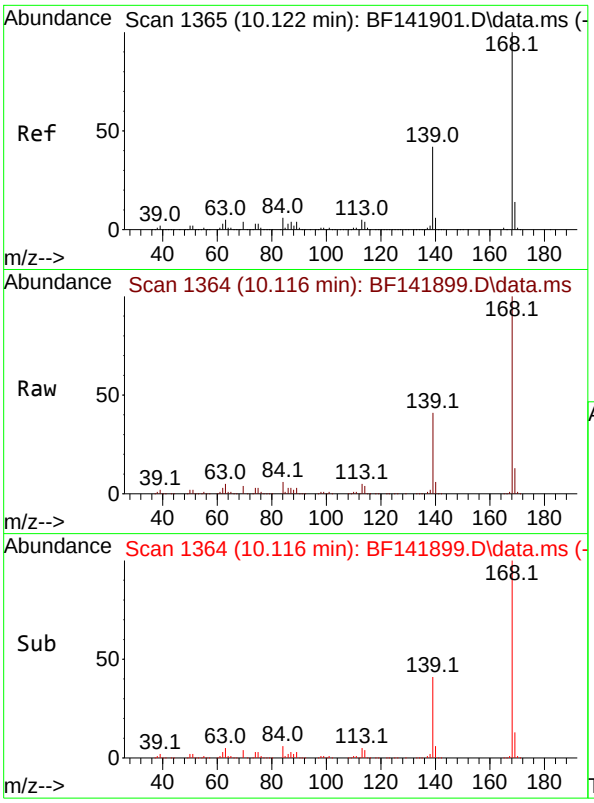




#54
2,4-Dinitrophenol
Concen: 11.386 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:184 Resp: 23121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 75.2 | 60.2 | 90.4 |
| 154 | 222.1 | 132.9 | 199.3# |



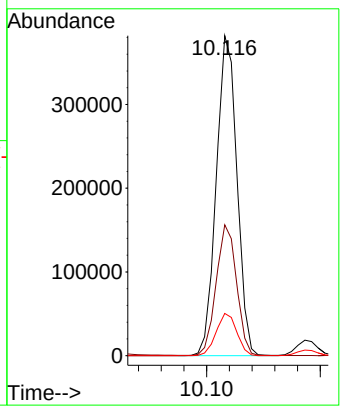


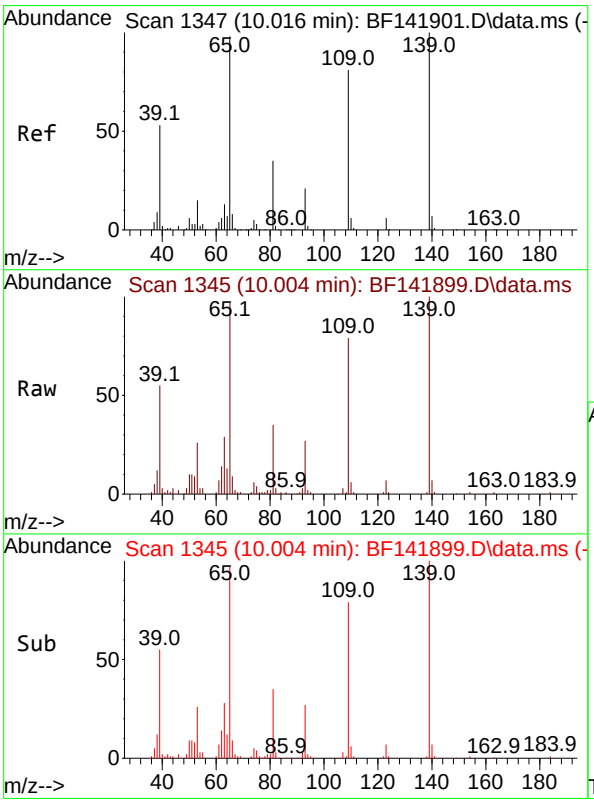

#55
Dibenzofuran
Concen: 10.593 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:168 Resp: 483596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 40.9 | 33.9 | 50.9 |
| 169 | 13.2 | 11.0 | 16.4 |

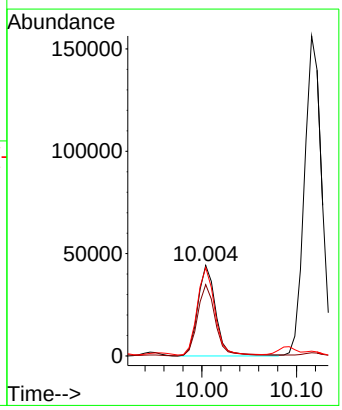


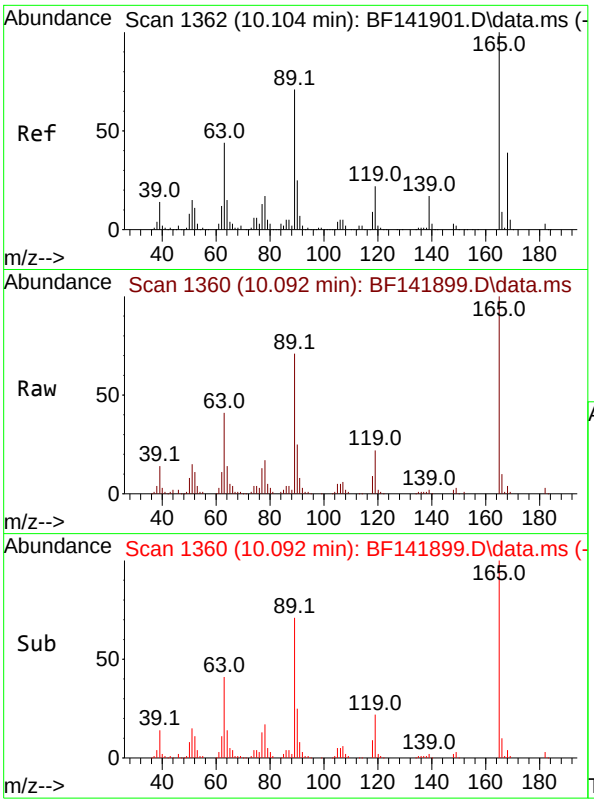




#56
4-Nitrophenol
Concen: 9.706 ng
RT: 10.004 min Scan# 1345
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:139 Resp: 58549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 78.8 | 61.6 | 101.6 |
| 65 | 97.5 | 79.4 | 119.4 |



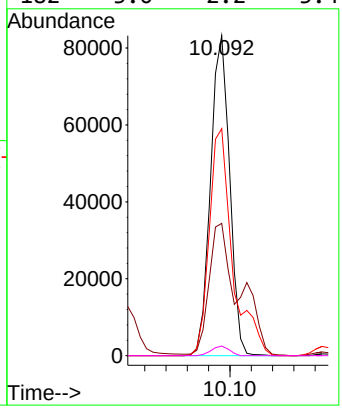


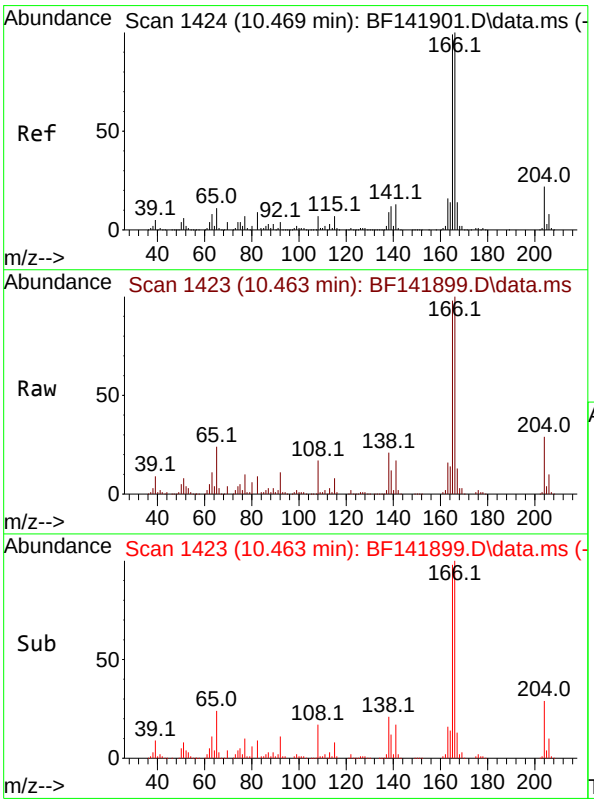

#57
2,4-Dinitrotoluene
Concen: 10.035 ng
RT: 10.092 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:165 Resp: 103313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 41.3 | 35.4 | 53.2 |
| 89 | 70.9 | 56.6 | 84.8 |
| 182 | 3.0 | 2.2 | 3.4 |

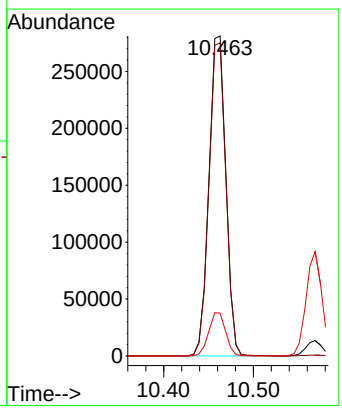


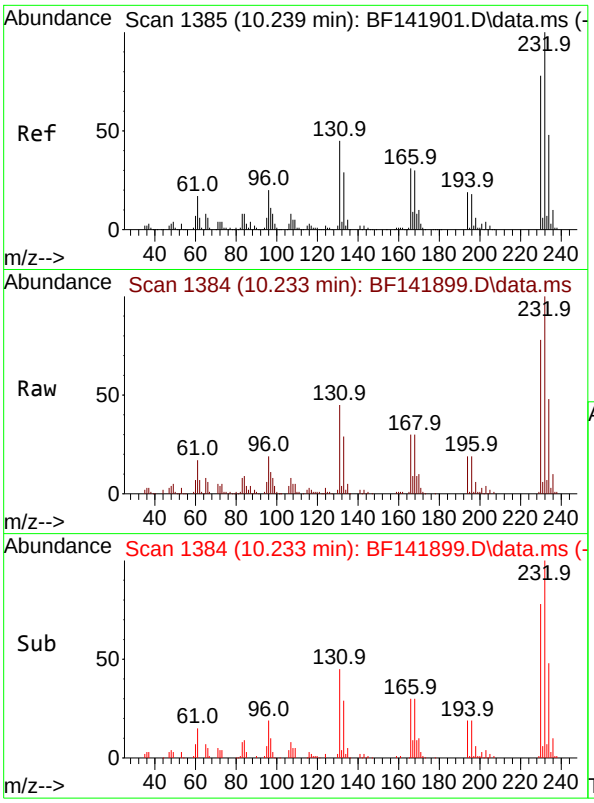




#58
Fluorene
Concen: 10.452 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:166 Resp: 368370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.8 | 79.0 | 118.4 |
| 167 | 13.3 | 11.0 | 16.4 |



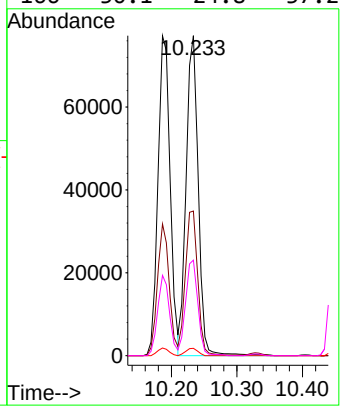


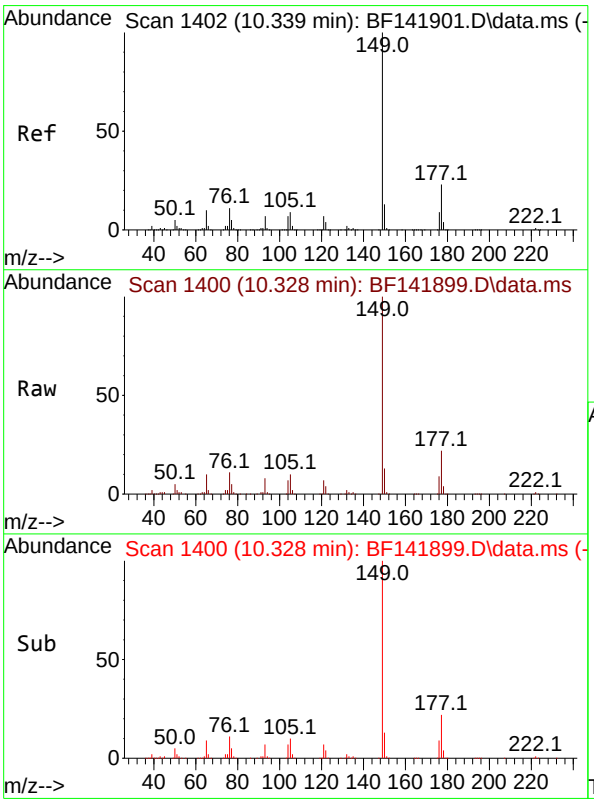

#59
2,3,4,6-Tetrachlorophenol
Concen: 9.954 ng
RT: 10.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:232 Resp: 98725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.2 | 37.3 | 55.9 |
| 130 | 2.3 | 1.9 | 2.9 |
| 166 | 30.1 | 24.8 | 37.2 |

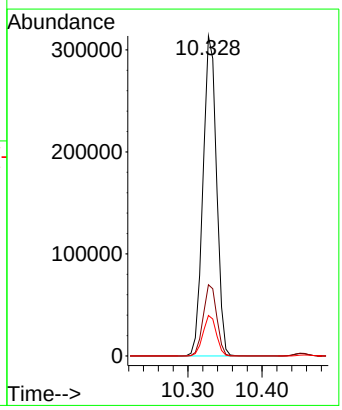


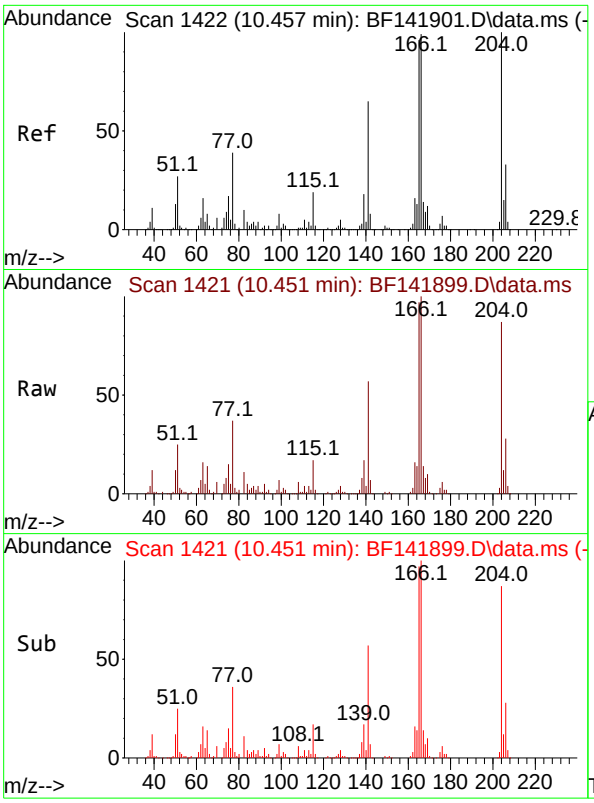




#60
Diethylphthalate
Concen: 10.542 ng
RT: 10.328 min Scan# 1400
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:149 Resp: 398003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.2 | 18.0 | 27.0 |
| 150 | 12.7 | 10.2 | 15.4 |



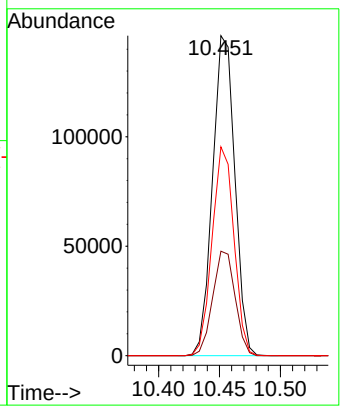


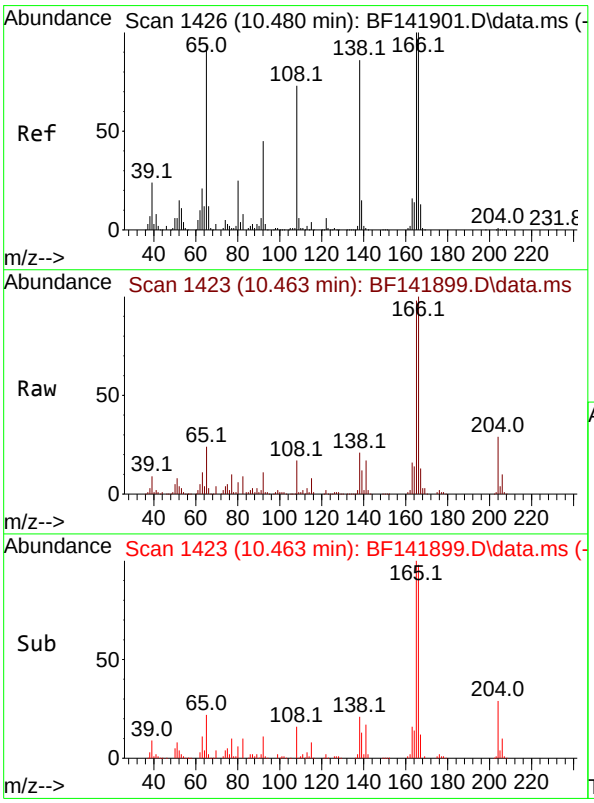

#61
4-Chlorophenyl-phenylether
Concen: 10.145 ng
RT: 10.451 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:204 Resp: 186237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.7 | 26.8 | 40.2 |
| 141 | 65.3 | 52.4 | 78.6 |

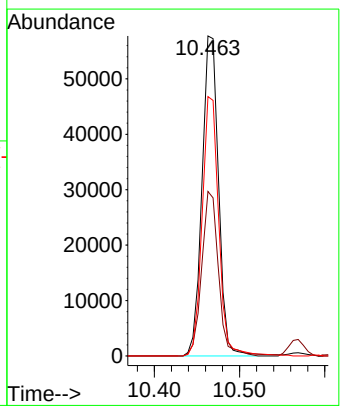


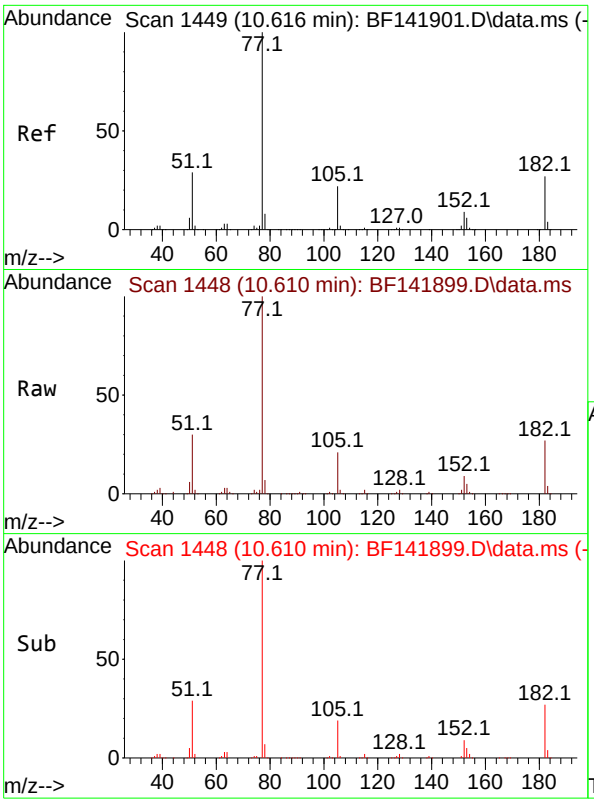




#62
4-Nitroaniline
Concen: 10.030 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.017 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:138 Resp: 78048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 51.4 | 32.6 | 72.6 |
| 108 | 81.1 | 65.0 | 105.0 |



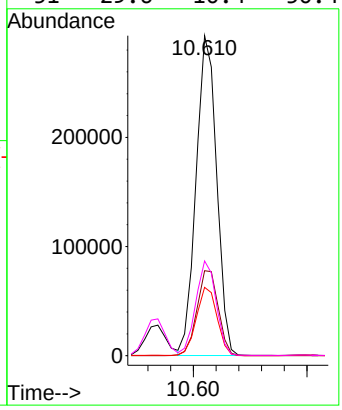


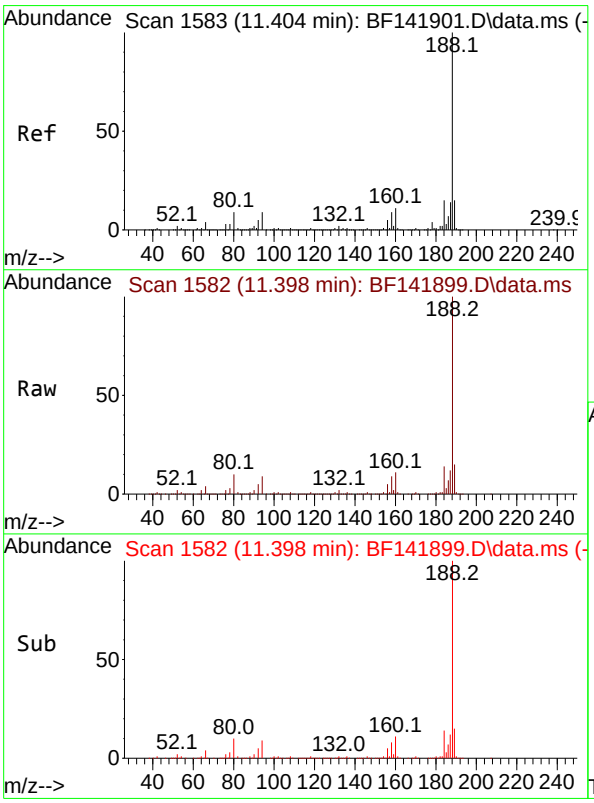

#63
Azobenzene
Concen: 10.521 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion: 77 Resp: 368982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.6 | 6.6 | 46.6 |
| 105 | 21.3 | 1.3 | 41.3 |
| 51 | 29.6 | 10.4 | 50.4 |

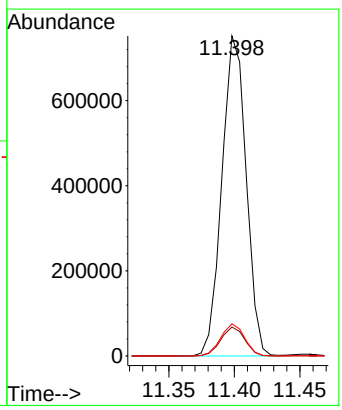


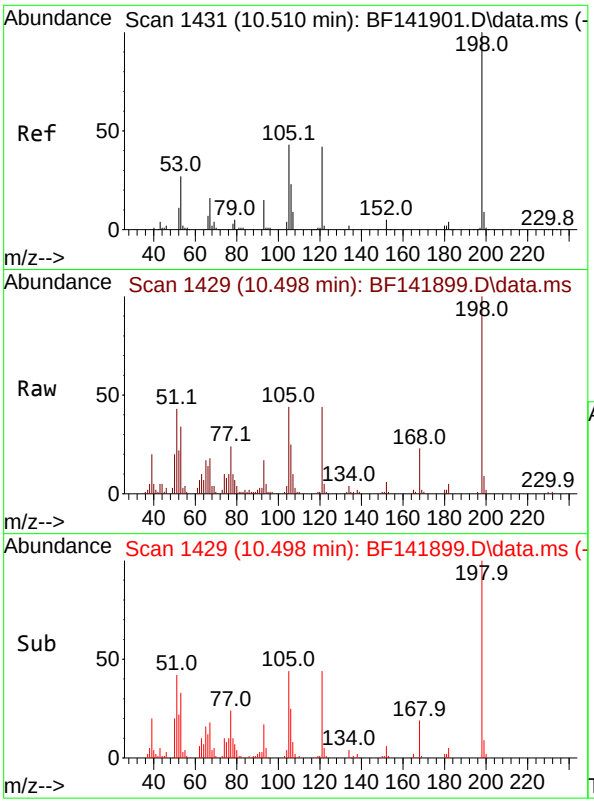




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:188 Resp: 966771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.1 | 6.8 | 10.2 |
| 80 | 10.0 | 7.6 | 11.4 |



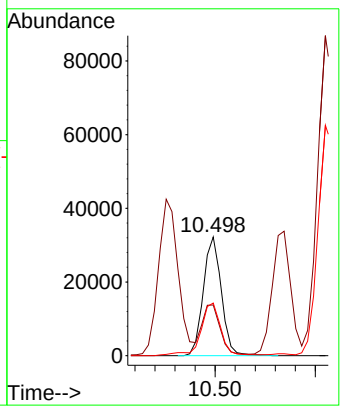


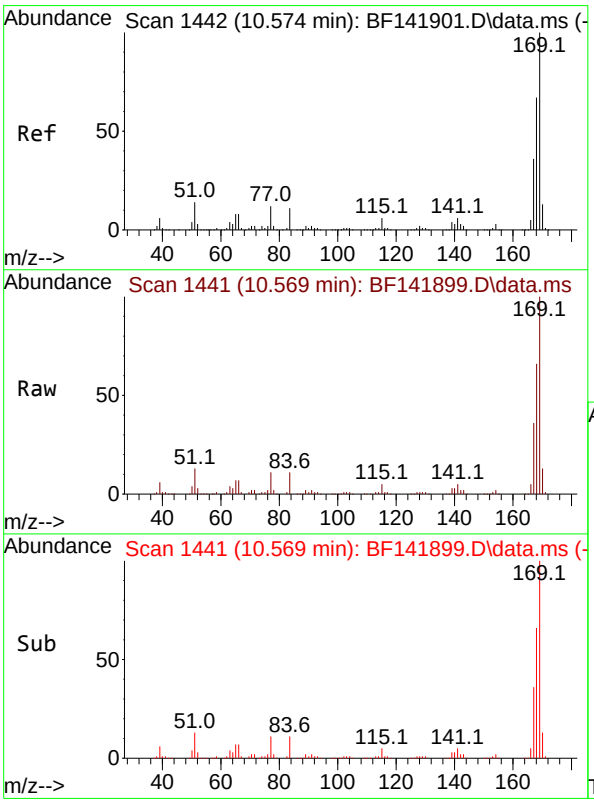

#65
4,6-Dinitro-2-methylphenol
Concen: 7.040 ng
RT: 10.498 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:198 Resp: 40348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 42.7 | 22.3 | 62.3 |
| 105 | 44.3 | 23.0 | 63.0 |

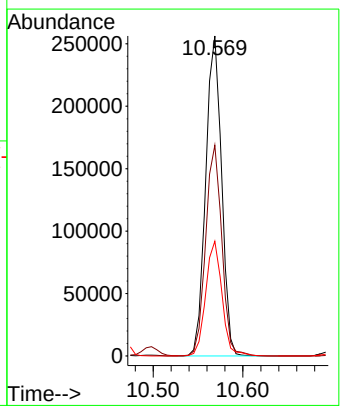


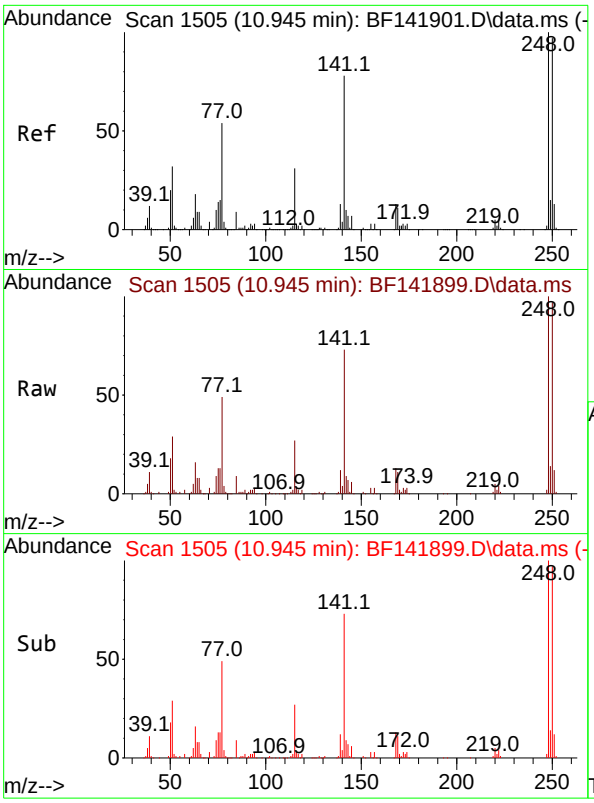




#66
n-Nitrosodiphenylamine
Concen: 10.078 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:169 Resp: 314758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 65.8 | 53.7 | 80.5 |
| 167 | 35.8 | 29.2 | 43.8 |



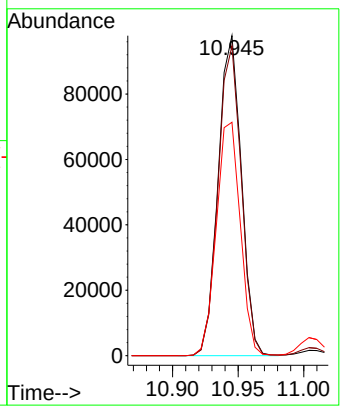


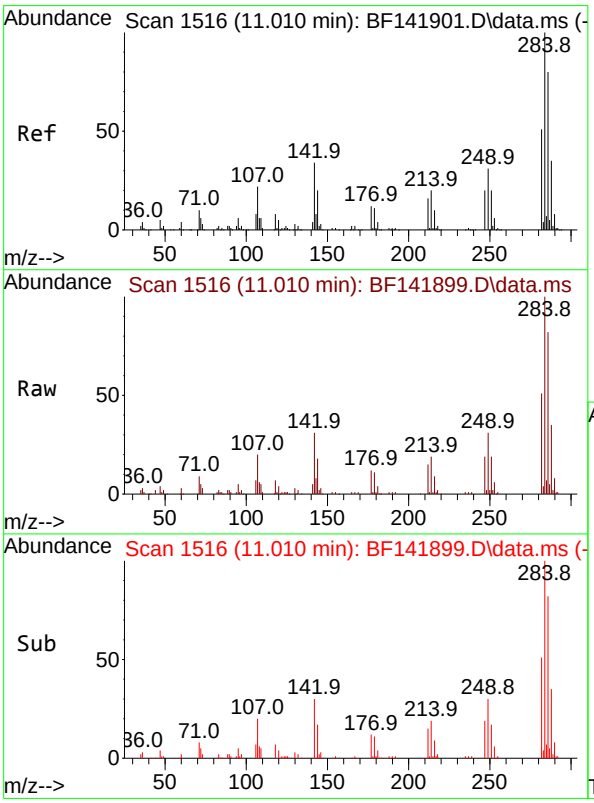

#67
4-Bromophenyl-phenylether
Concen: 10.011 ng
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:248 Resp: 120534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.8 | 77.8 | 116.8 |
| 141 | 72.9 | 62.6 | 93.8 |

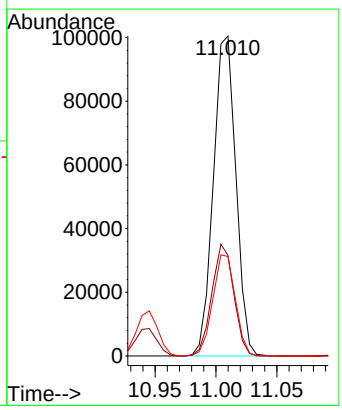


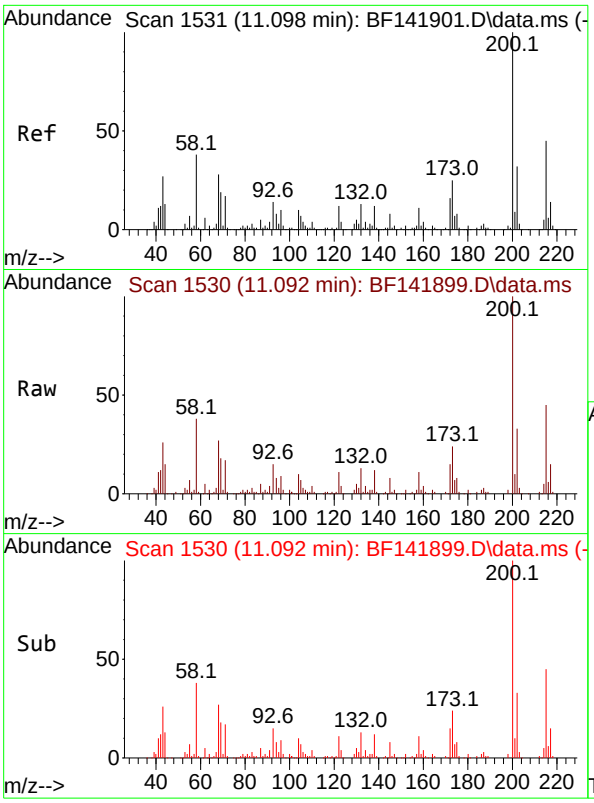




#68
Hexachlorobenzene
Concen: 9.712 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:284 Resp: 129242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.4 | 27.0 | 40.6 |
| 249 | 31.1 | 25.2 | 37.8 |



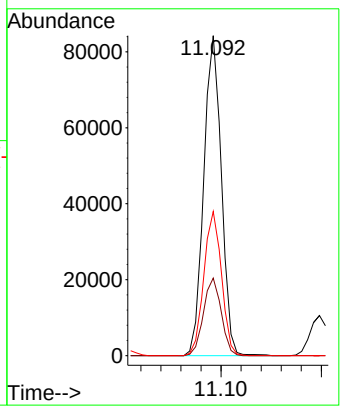


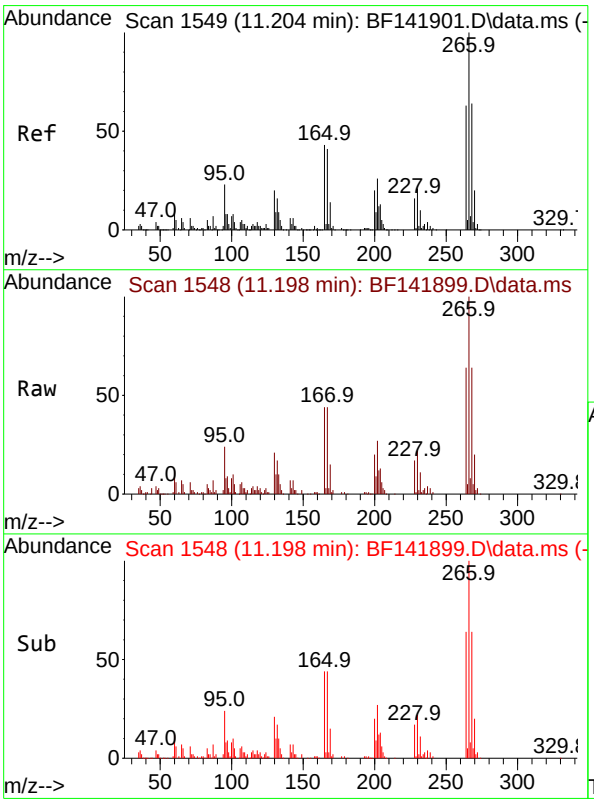

#69
Atrazine
Concen: 13.502 ng
RT: 11.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:200 Resp: 102822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 24.3 | 4.7 | 44.7 |
| 215 | 45.0 | 25.4 | 65.4 |

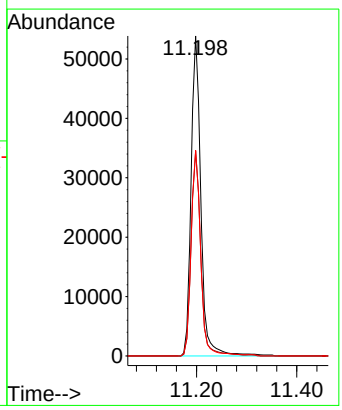


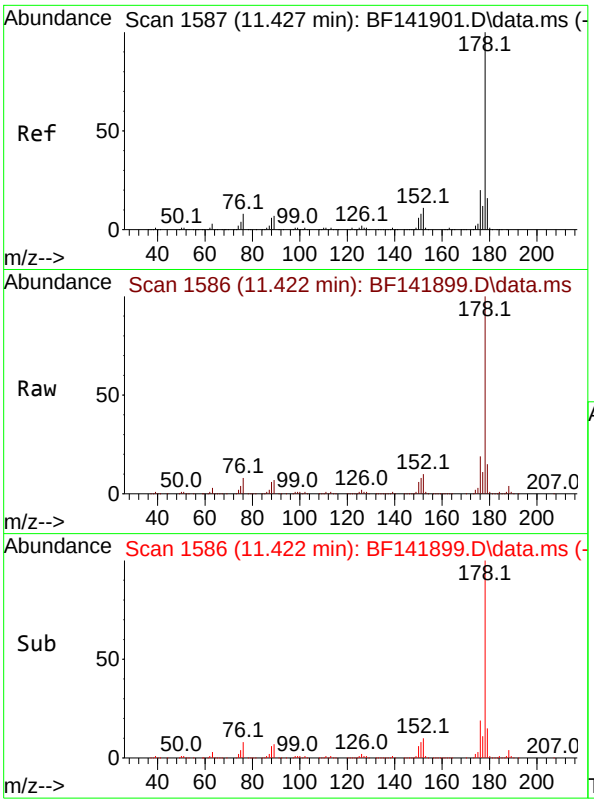




#70
Pentachlorophenol
Concen: 8.909 ng
RT: 11.198 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:266 Resp: 73112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.0 | 51.0 | 76.6 |
| 264 | 64.3 | 50.2 | 75.2 |



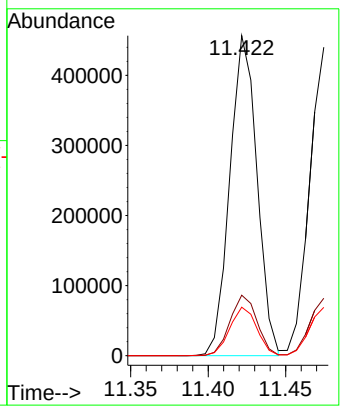


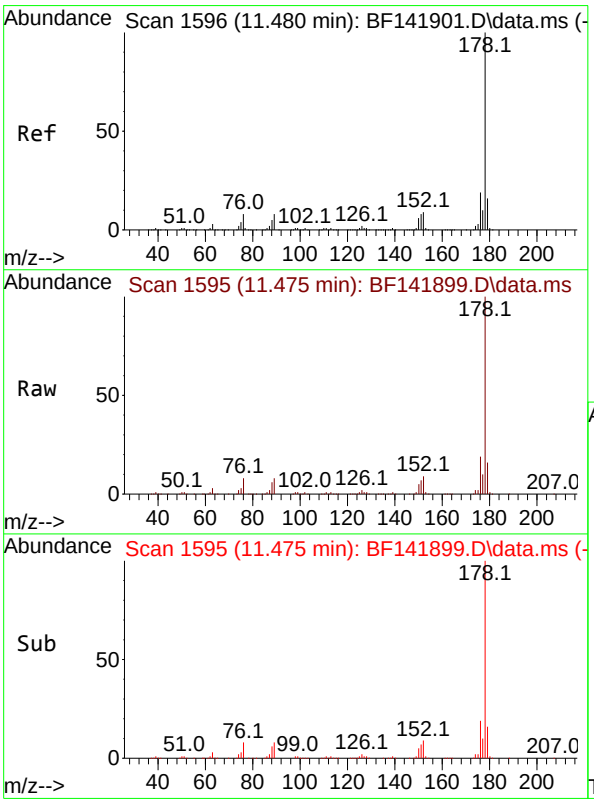

#71
Phenanthrene
Concen: 10.646 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:178 Resp: 556546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 15.8 | 23.8 |
| 179 | 15.2 | 12.6 | 19.0 |

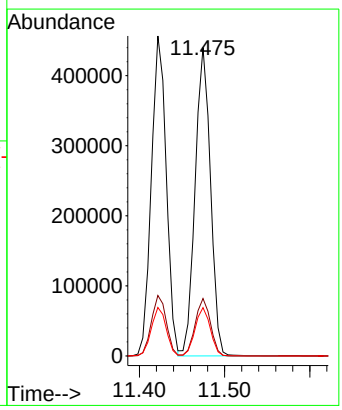


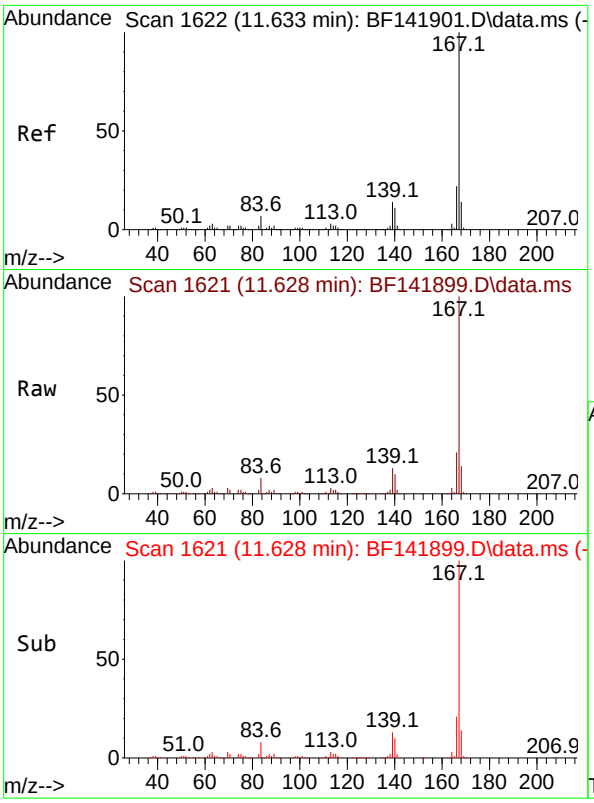




#72
Anthracene
Concen: 10.501 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:178 Resp: 550767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 15.1 | 22.7 |
| 179 | 15.7 | 12.6 | 19.0 |



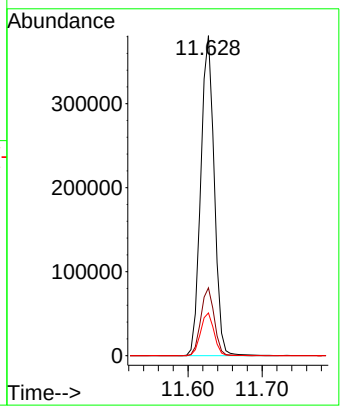


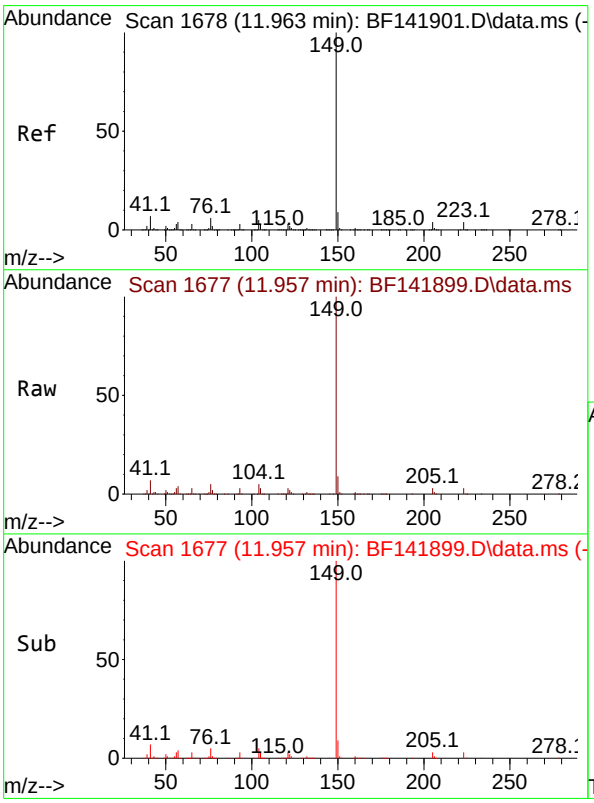

#73
Carbazole
Concen: 10.641 ng
RT: 11.628 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:167 Resp: 480520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.2 | 17.4 | 26.2 |
| 139 | 13.3 | 11.0 | 16.6 |

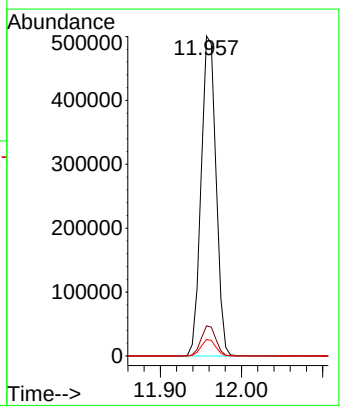


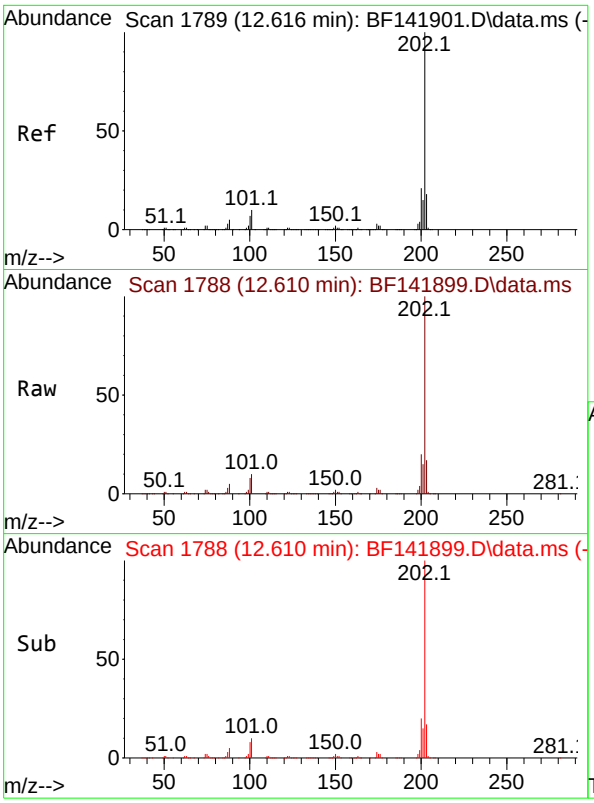




#74
Di-n-butylphthalate
Concen: 10.708 ng
RT: 11.957 min Scan# 1677
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:149 Resp: 638429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.4 | 7.6 | 11.4 |
| 104 | 5.2 | 4.4 | 6.6 |



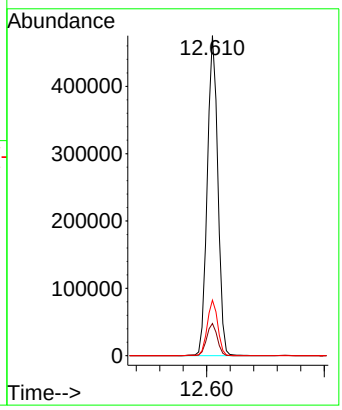


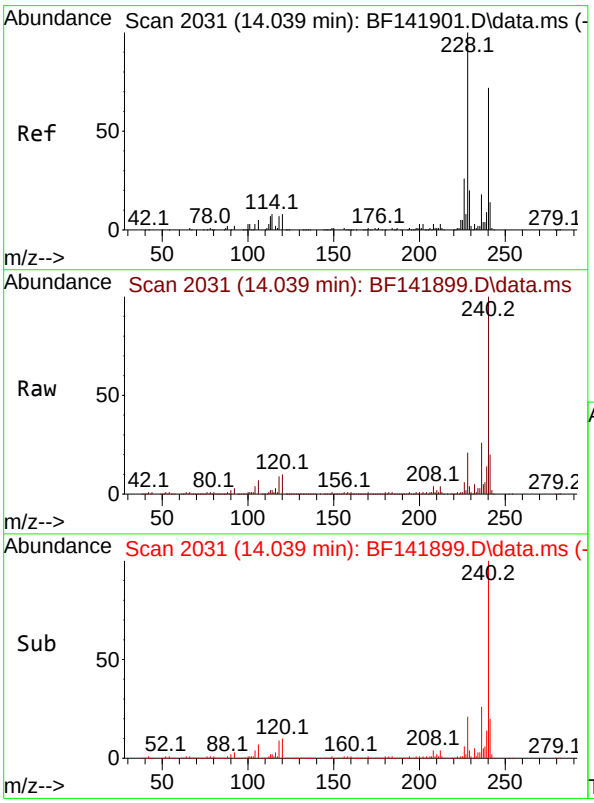

#75
Fluoranthene
Concen: 10.801 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:202 Resp: 592806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.1 | 0.0 | 29.7 |
| 203 | 17.4 | 0.0 | 37.8 |

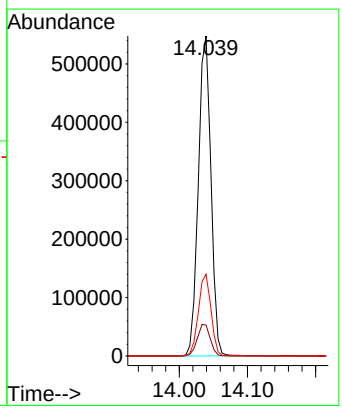


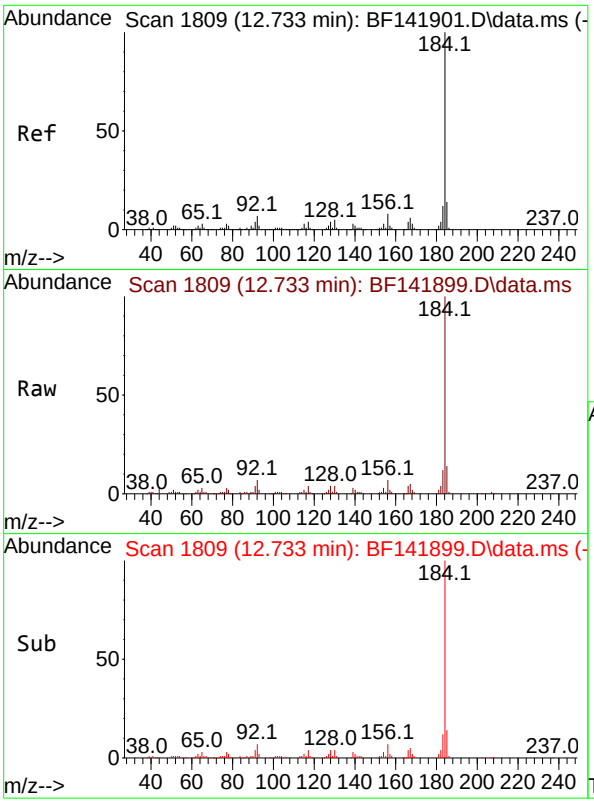




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:240 Resp: 703100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.7 | 8.4 | 12.6 |
| 236 | 25.5 | 20.5 | 30.7 |



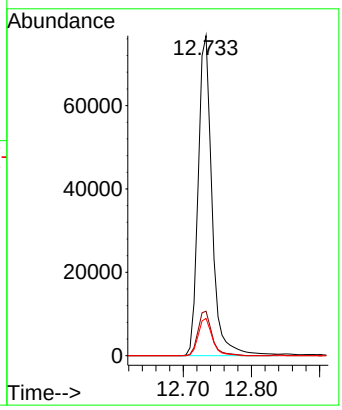


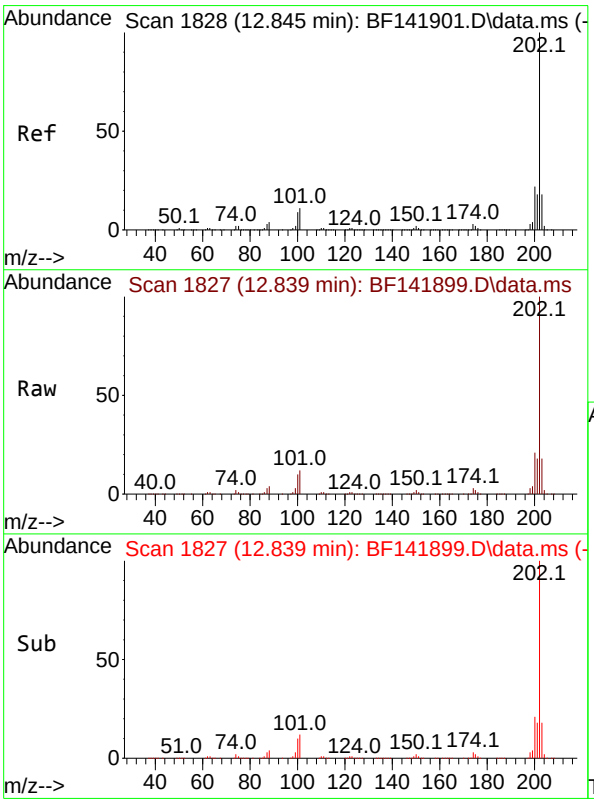

#77
Benzidine
Concen: 10.946 ng
RT: 12.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:184 Resp: 108761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 13.9 | 11.5 | 17.3 |
| 183 | 11.6 | 9.7 | 14.5 |

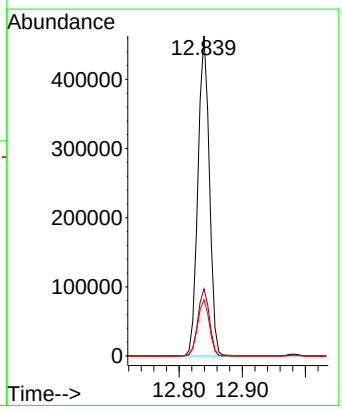


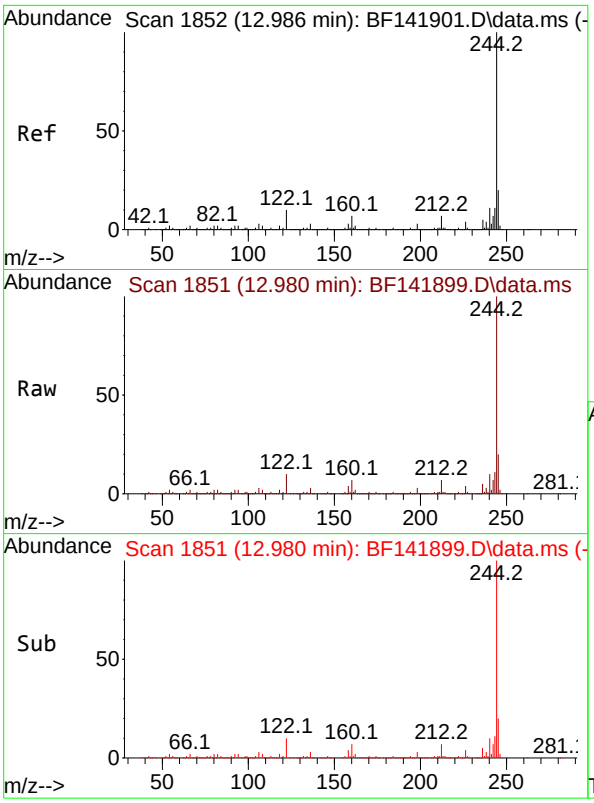




#78
Pyrene
Concen: 9.626 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:202 Resp: 580442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.9 | 17.3 | 25.9 |
| 203 | 17.6 | 14.4 | 21.6 |



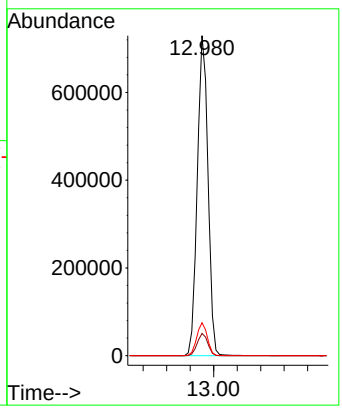


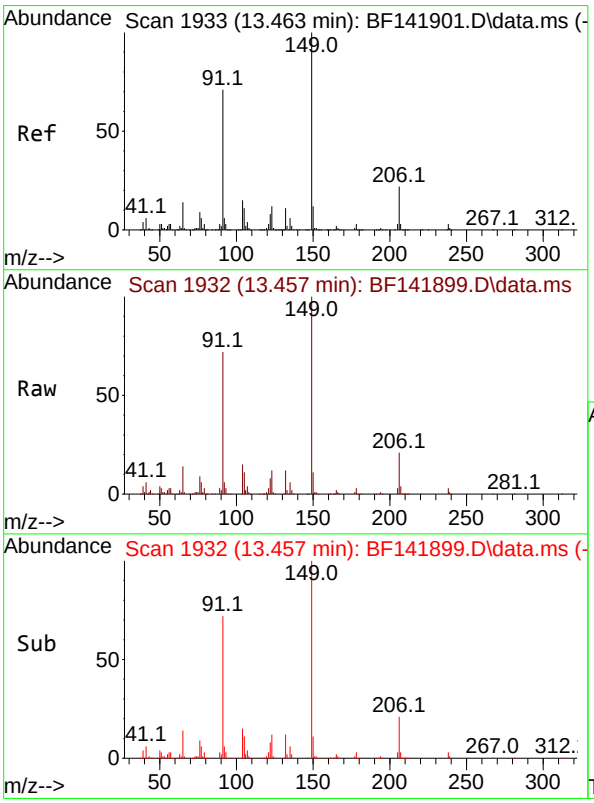

#79
Terphenyl-d14
Concen: 19.345 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:244 Resp: 920159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 6.0 | 9.0 |
| 122 | 10.3 | 7.7 | 11.5 |

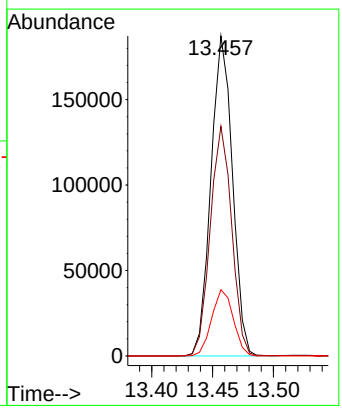


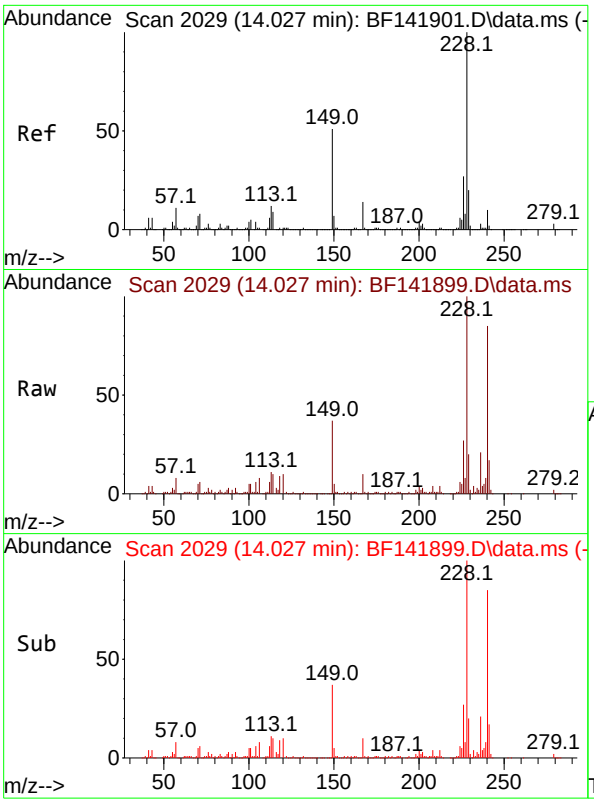




#80
Butylbenzylphthalate
Concen: 9.710 ng
RT: 13.457 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:149 Resp: 230714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 71.8 | 56.5 | 84.7 |
| 206 | 20.7 | 17.3 | 25.9 |



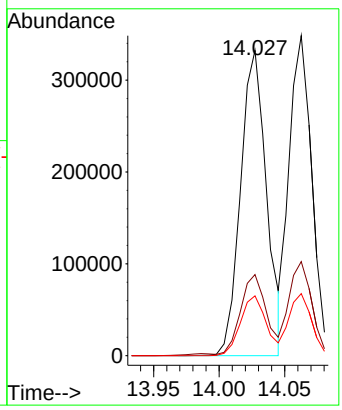


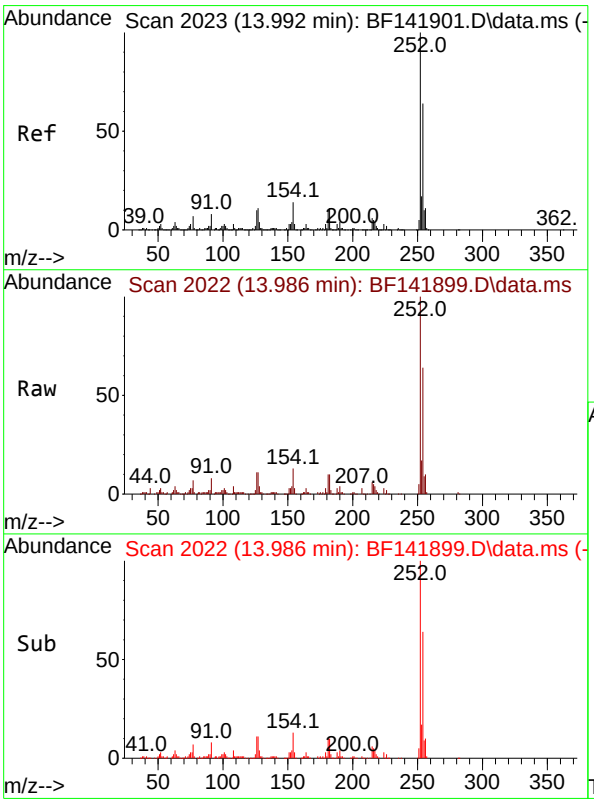

#81
Benzo(a)anthracene
Concen: 9.911 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:228 Resp: 458422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.6 | 21.8 | 32.8 |
| 229 | 19.6 | 16.0 | 24.0 |

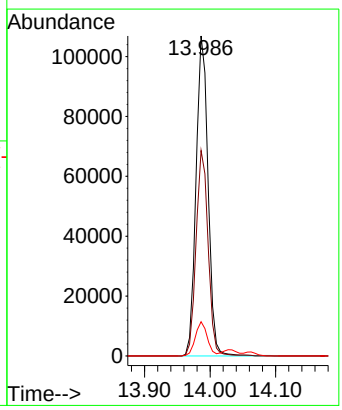


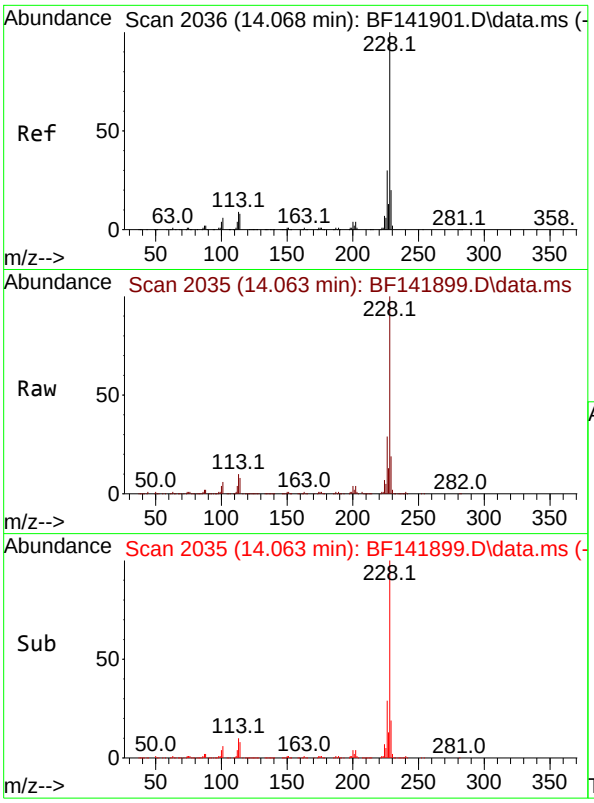




#82
3,3'-Dichlorobenzidine
Concen: 10.236 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:252 Resp: 136843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.2 | 51.0 | 76.6 |
| 126 | 10.7 | 8.4 | 12.6 |



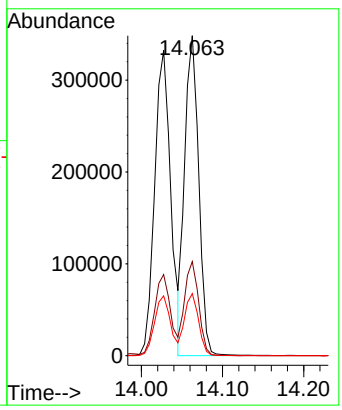


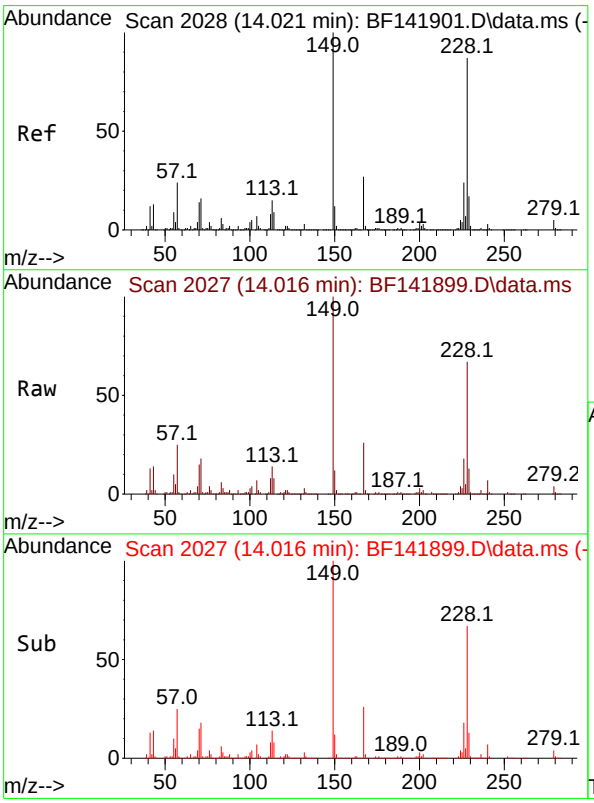

#83
Chrysene
Concen: 10.100 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:228 Resp: 419687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.4 | 24.1 | 36.1 |
| 229 | 19.4 | 15.7 | 23.5 |

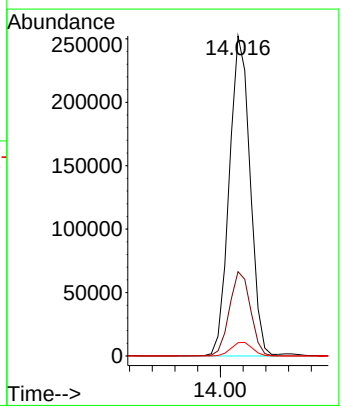


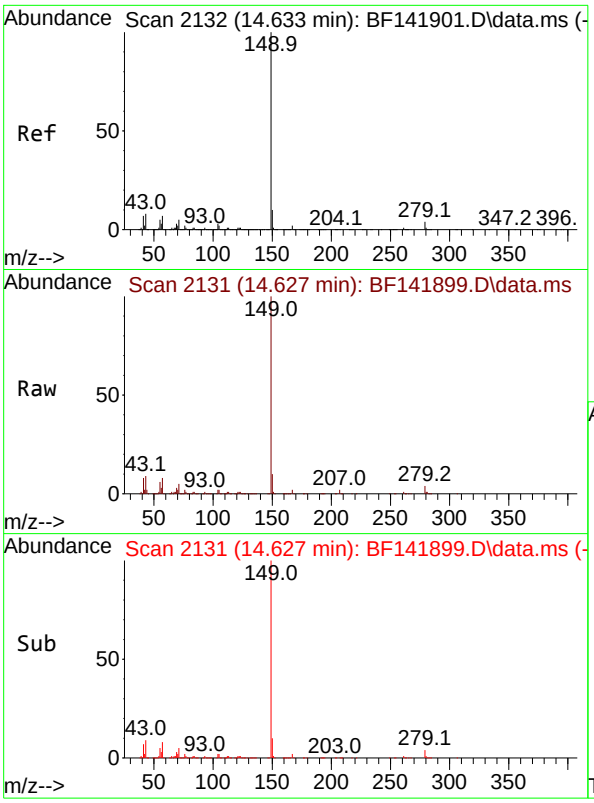




#84
Bis(2-ethylhexyl)phthalate
Concen: 9.833 ng
RT: 14.016 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:149 Resp: 320536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.4 | 21.4 | 32.0 |
| 279 | 4.1 | 3.8 | 5.6 |



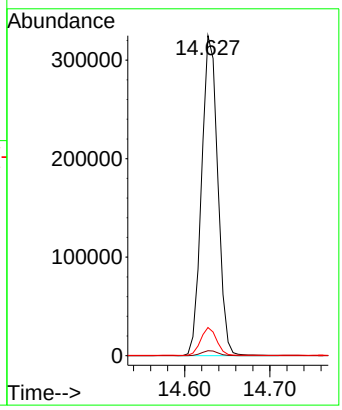


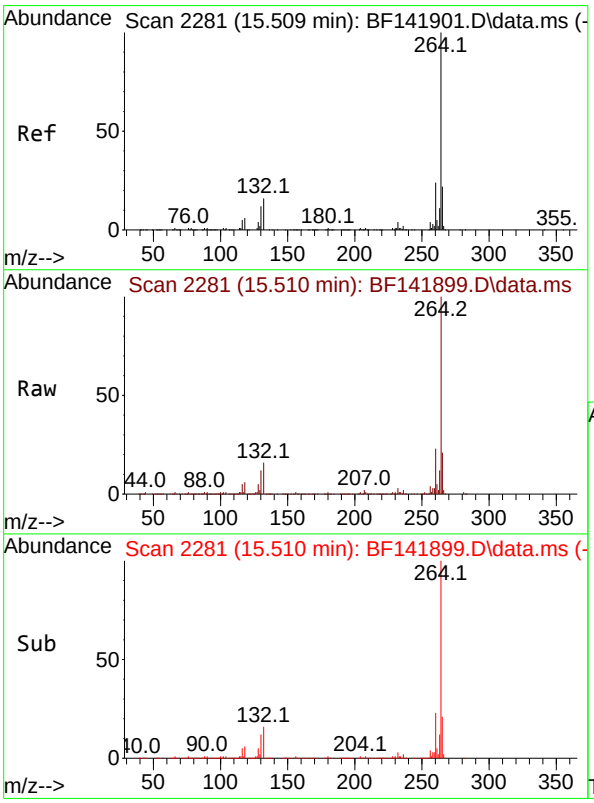

#85
Di-n-octyl phthalate
Concen: 9.442 ng
RT: 14.627 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:149 Resp: 428377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 8.6 | 6.9 | 10.3 |

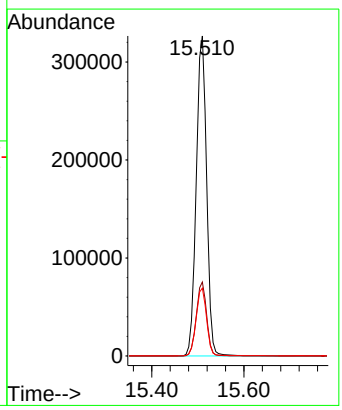


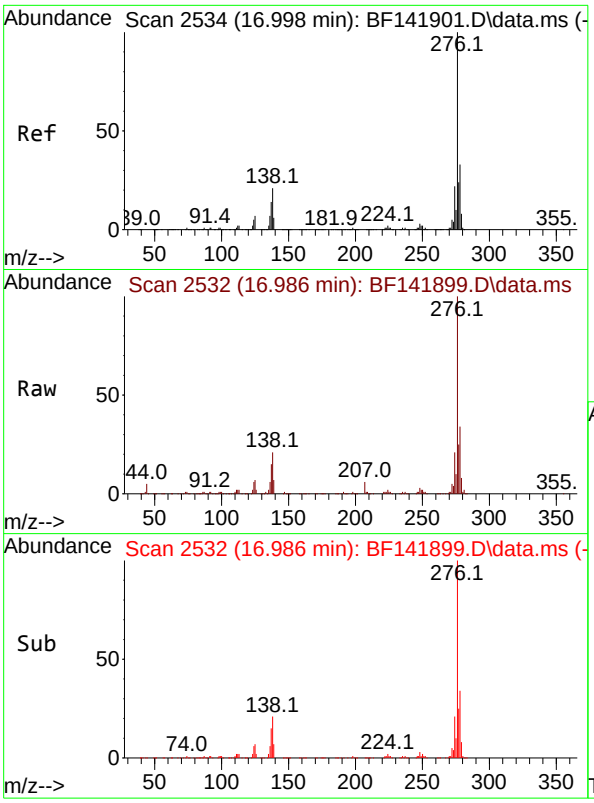




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:264 Resp: 510790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 19.1 | 28.7 |
| 265 | 21.2 | 17.5 | 26.3 |



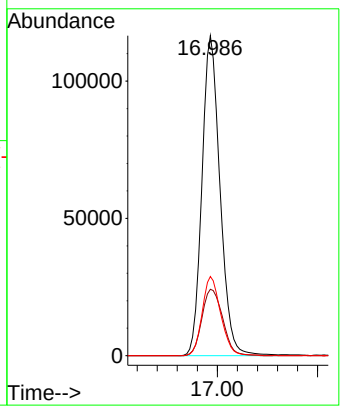


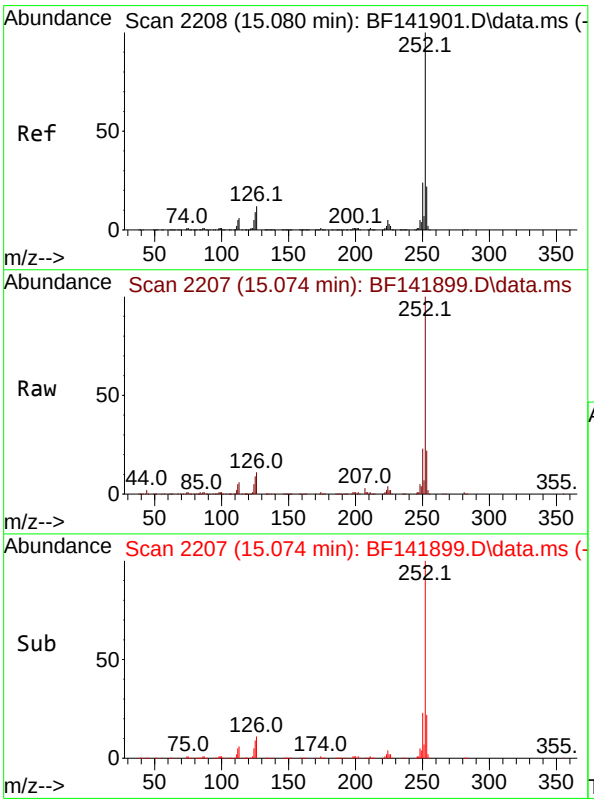

#87
Indeno(1,2,3-cd)pyrene
Concen: 8.807 ng
RT: 16.986 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:276 Resp: 291723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.8 | 18.4 | 27.6 |
| 277 | 25.3 | 20.3 | 30.5 |

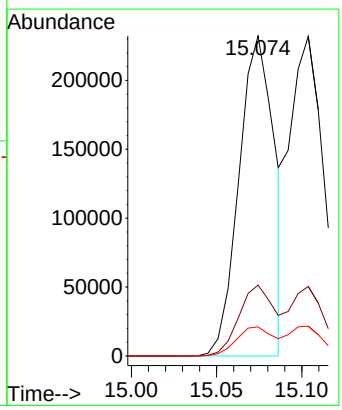


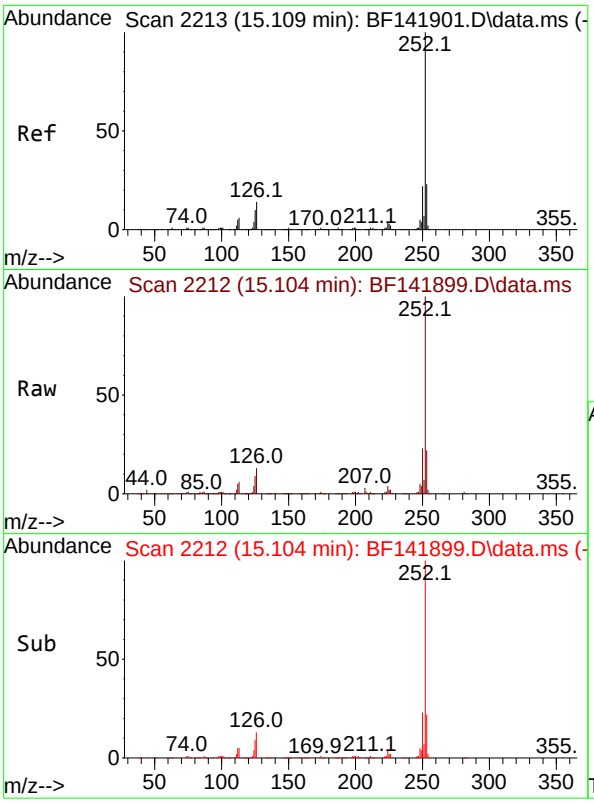




#88
Benzo(b)fluoranthene
Concen: 9.659 ng
RT: 15.074 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:252 Resp: 334664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.5 | 26.3 |
| 125 | 9.1 | 7.0 | 10.4 |



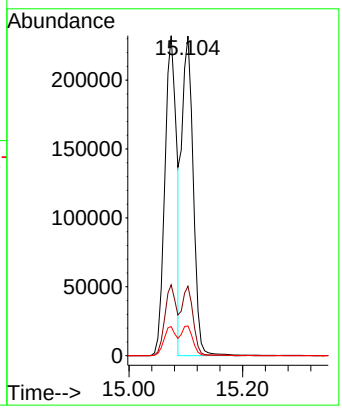


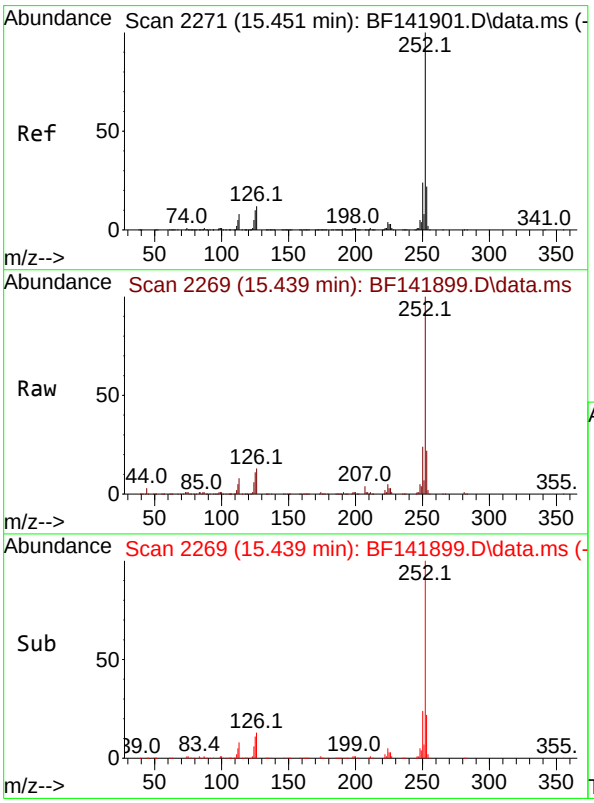

#89
Benzo(k)fluoranthene
Concen: 10.698 ng
RT: 15.104 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:252 Resp: 323772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.7 | 26.5 |
| 125 | 9.3 | 7.2 | 10.8 |

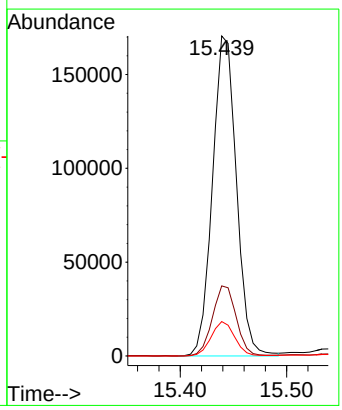


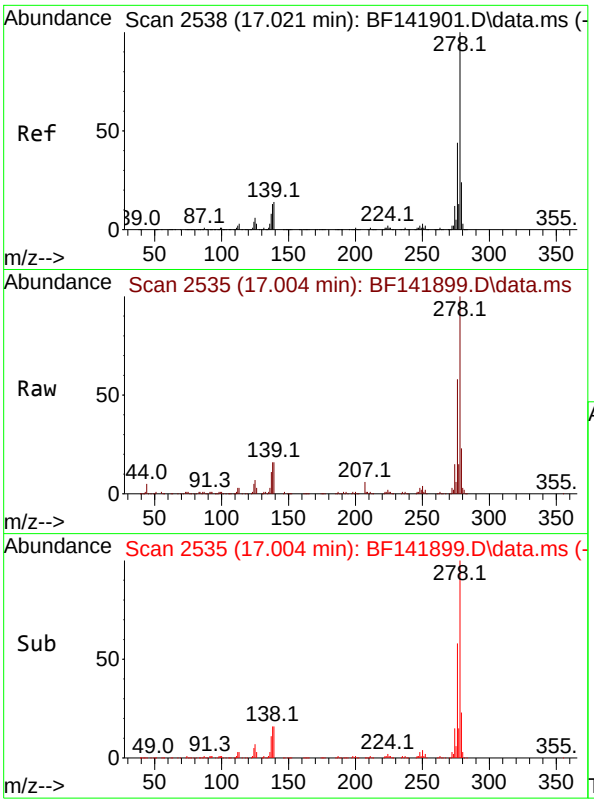




#90
Benzo(a)pyrene
Concen: 9.740 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:252 Resp: 266149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.4 | 26.0 |
| 125 | 10.7 | 7.8 | 11.8 |



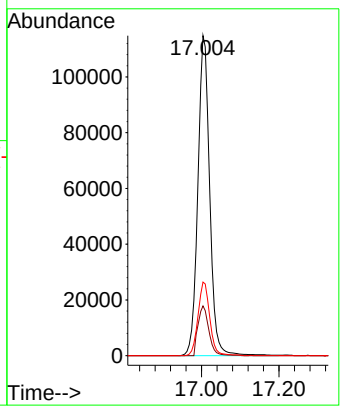


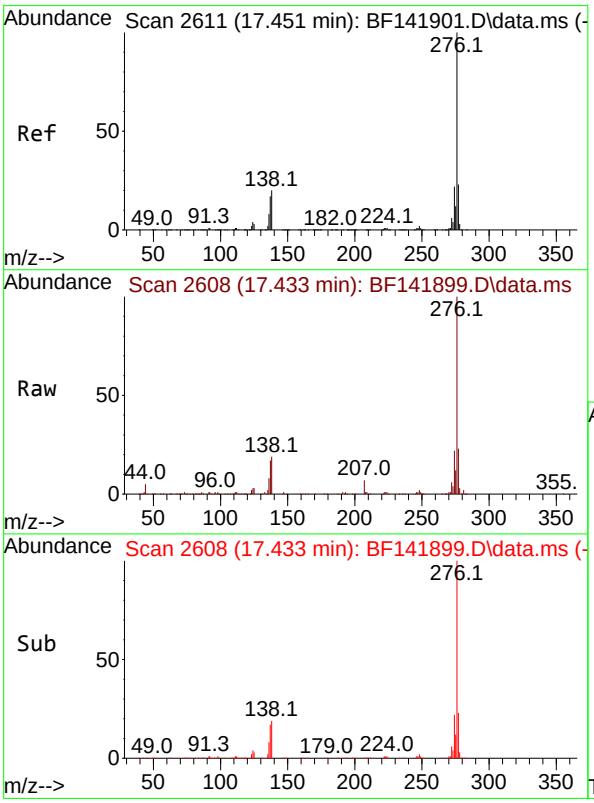

#91
Dibenzo(a,h)anthracene
Concen: 8.907 ng
RT: 17.004 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

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

Tgt Ion:278 Resp: 243443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.5 | 11.4 | 17.2 |
| 279 | 23.0 | 18.8 | 28.2 |

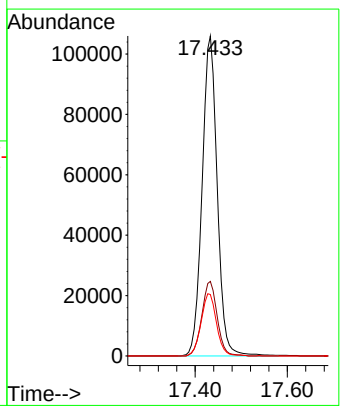



#92
Benzo(g,h,i)perylene
Concen: 8.941 ng
RT: 17.433 min Scan# 2608
Delta R.T. -0.018 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:276 Resp: 242380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.3 | 18.7 | 28.1 |
| 138 | 19.2 | 15.8 | 23.8 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141900.D
Acq On : 10 Mar 2025 12:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Mar 10 15:34:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 198053 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.163 | 136 | 797548 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 470833 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.404 | 188 | 826085 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.039 | 240 | 581591 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.509 | 264 | 428960 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.487 | 112 | 514189 | 43.318 | ng | 0.00 |
| 7) Phenol-d6 | 6.498 | 99 | 651272 | 43.079 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.439 | 82 | 604270 | 42.465 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.704 | 330 | 243832 | 40.869 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.233 | 172 | 1298709 | 42.002 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.986 | 244 | 1582373 | 40.218 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.669 | 88 | 106079 | 21.323 | ng | 99 |
| 3) Pyridine | 3.434 | 79 | 264229 | 21.612 | ng | 100 |
| 4) n-Nitrosodimethylamine | 3.375 | 42 | 122948 | 21.155 | ng | 99 |
| 6) Aniline | 6.539 | 93 | 324802 | 21.763 | ng | 99 |
| 8) 2-Chlorophenol | 6.663 | 128 | 284082 | 21.592 | ng | 99 |
| 9) Benzaldehyde | 6.428 | 77 | 193024 | 22.843 | ng | 98 |
| 10) Phenol | 6.510 | 94 | 346008 | 21.692 | ng | 97 |
| 11) bis(2-Chloroethyl)ether | 6.610 | 93 | 253793 | 21.236 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 6.822 | 146 | 304632 | 21.426 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 6.898 | 146 | 306665 | 21.319 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 7.051 | 146 | 289199 | 21.349 | ng | 99 |
| 15) Benzyl Alcohol | 7.016 | 79 | 261893 | 21.402 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151 | 45 | 303847 | 21.095 | ng | 99 |
| 17) 2-Methylphenol | 7.122 | 107 | 222173 | 21.248 | ng | 97 |
| 18) Hexachloroethane | 7.392 | 117 | 114019 | 21.141 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.286 | 70 | 206654 | 21.268 | ng | 97 |
| 20) 3+4-Methylphenols | 7.275 | 107 | 291065 | 21.702 | ng | 99 |
| 22) Acetophenone | 7.286 | 105 | 409149 | 21.385 | ng | 99 |
| 24) Nitrobenzene | 7.457 | 77 | 299046 | 21.196 | ng | 99 |
| 25) Isophorone | 7.698 | 82 | 522239 | 20.788 | ng | 100 |
| 26) 2-Nitrophenol | 7.775 | 139 | 144979 | 20.970 | ng | 99 |
| 27) 2,4-Dimethylphenol | 7.804 | 122 | 200058 | 21.009 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 7.904 | 93 | 331966 | 21.093 | ng | 99 |
| 29) 2,4-Dichlorophenol | 8.010 | 162 | 246810 | 20.884 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.098 | 180 | 272773 | 20.922 | ng | 97 |
| 31) Naphthalene | 8.181 | 128 | 877897 | 21.487 | ng | 99 |
| 32) Benzoic acid | 7.892 | 122 | 152420 | 18.313 | ng | 99 |
| 33) 4-Chloroaniline | 8.228 | 127 | 313249 | 21.726 | ng | 98 |
| 34) Hexachlorobutadiene | 8.298 | 225 | 176253 | 20.791 | ng | 99 |
| 35) Caprolactam | 8.580 | 113 | 75048 | 20.884 | ng | 99 |
| 36) 4-Chloro-3-methylphenol | 8.698 | 107 | 278207 | 21.168 | ng | 100 |
| 37) 2-Methylnaphthalene | 8.875 | 142 | 584552 | 21.324 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.975 | 142 | 575428 | 21.677 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.039 | 216 | 294845 | 20.538 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 9.028 | 237 | 117174 | 20.685 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 9.145 | 196 | 189069 | 20.203 | ng | 100 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141900.D
Acq On : 10 Mar 2025 12:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Mar 10 15:34:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

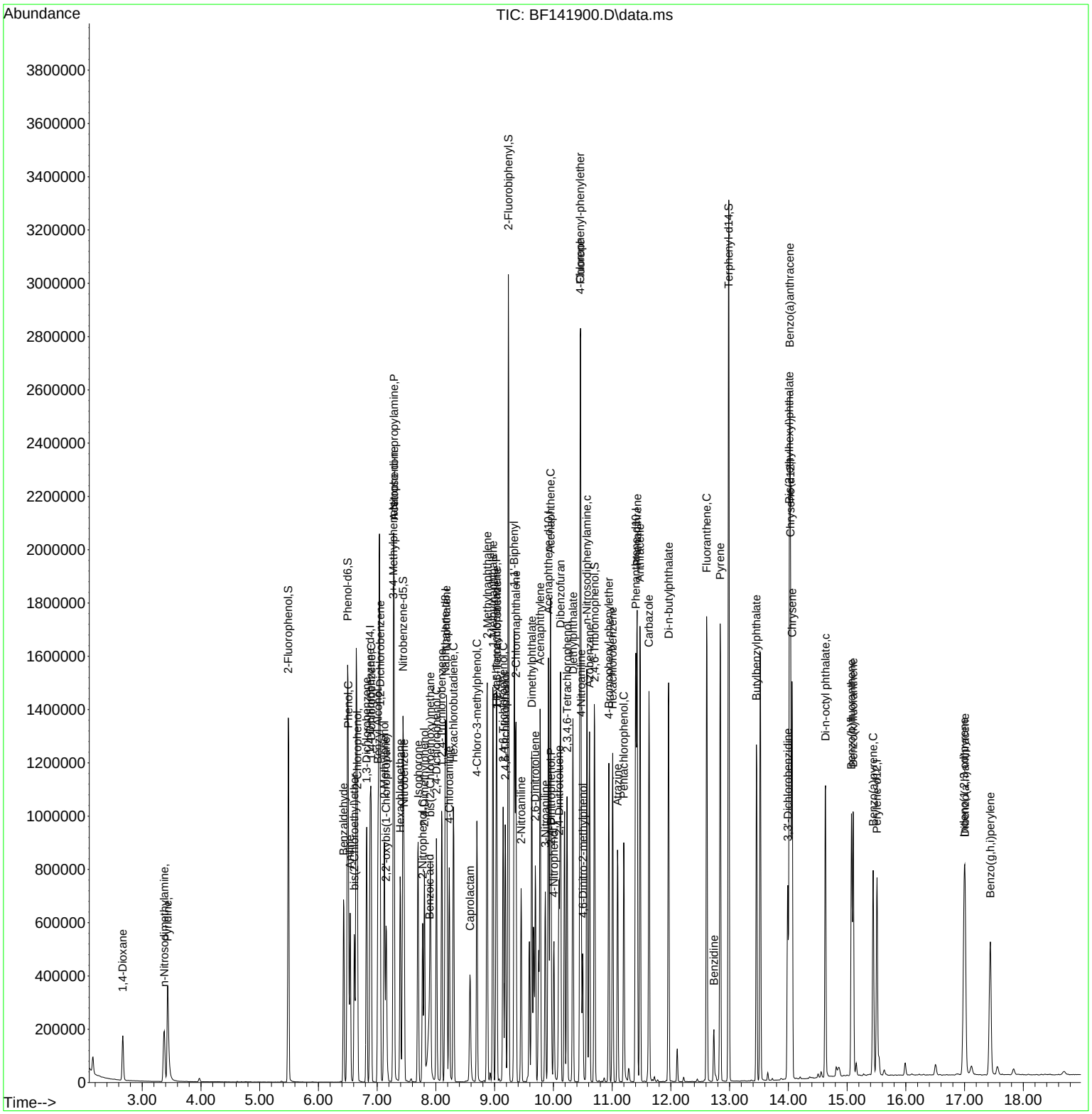
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.180 | 196 | 198841 | 20.912 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.333 | 154 | 749087 | 20.985 | ng | | 100 |
| 47) 2-Chloronaphthalene | 9.363 | 162 | 555946 | 20.898 | ng | | 98 |
| 48) 2-Nitroaniline | 9.451 | 65 | 162790 | 21.302 | ng | | 97 |
| 49) Acenaphthylene | 9.775 | 152 | 837016 | 21.222 | ng | | 99 |
| 50) Dimethylphthalate | 9.633 | 163 | 691454 | 21.137 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.692 | 165 | 143513 | 21.096 | ng | | 100 |
| 52) Acenaphthene | 9.951 | 154 | 579623 | 20.813 | ng | | 98 |
| 53) 3-Nitroaniline | 9.863 | 138 | 148977 | 21.327 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 9.963 | 184 | 58223 | 20.368 | ng | # | 33 |
| 55) Dibenzofuran | 10.122 | 168 | 843359 | 21.238 | ng | | 98 |
| 56) 4-Nitrophenol | 10.010 | 139 | 109958 | 20.955 | ng | | 100 |
| 57) 2,4-Dinitrotoluene | 10.098 | 165 | 189234 | 21.132 | ng | | 98 |
| 58) Fluorene | 10.463 | 166 | 650245 | 21.211 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.233 | 232 | 183513 | 21.272 | ng | | 99 |
| 60) Diethylphthalate | 10.333 | 149 | 704993 | 21.468 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204 | 330489 | 20.698 | ng | | 99 |
| 62) 4-Nitroaniline | 10.474 | 138 | 142995 | 21.125 | ng | | 99 |
| 63) Azobenzene | 10.616 | 77 | 660935 | 21.665 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198 | 91852 | 18.755 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 10.569 | 169 | 553905 | 20.756 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248 | 210241 | 20.436 | ng | | 100 |
| 68) Hexachlorobenzene | 11.010 | 284 | 234399 | 20.613 | ng | | 99 |
| 69) Atrazine | 11.092 | 200 | 159306 | 24.481 | ng | | 99 |
| 70) Pentachlorophenol | 11.198 | 266 | 141842 | 20.227 | ng | | 100 |
| 71) Phenanthrene | 11.427 | 178 | 939782 | 21.038 | ng | | 99 |
| 72) Anthracene | 11.474 | 178 | 940875 | 20.993 | ng | | 99 |
| 73) Carbazole | 11.627 | 167 | 813998 | 21.096 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.963 | 149 | 1089304 | 21.382 | ng | | 99 |
| 75) Fluoranthene | 12.610 | 202 | 1014464 | 21.632 | ng | | 100 |
| 77) Benzidine | 12.733 | 184 | 110648 | 13.463 | ng | | 99 |
| 78) Pyrene | 12.839 | 202 | 1004157 | 20.133 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.457 | 149 | 408044 | 20.761 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.027 | 228 | 776120 | 20.285 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.992 | 252 | 221168 | 19.999 | ng | | 99 |
| 83) Chrysene | 14.062 | 228 | 732966 | 21.325 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.015 | 149 | 562062 | 20.845 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.633 | 149 | 778373 | 20.740 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.992 | 276 | 560913 | 20.163 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.074 | 252 | 636808 | 21.886 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.104 | 252 | 513311 | 20.196 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.445 | 252 | 481683 | 20.991 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 17.009 | 278 | 460109 | 20.046 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.439 | 276 | 455034 | 19.987 | ng | | 99 |

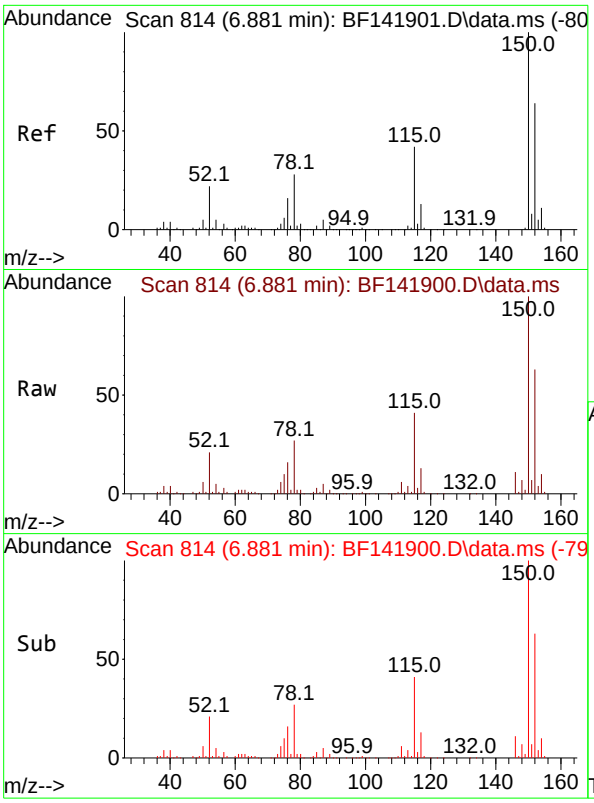
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141900.D
Acq On : 10 Mar 2025 12:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Mar 10 15:34:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



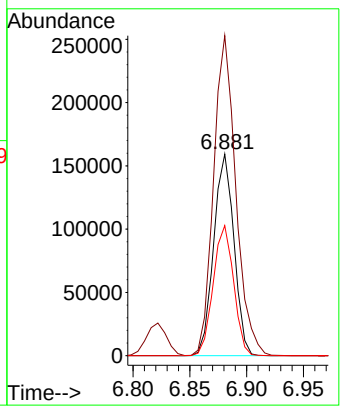


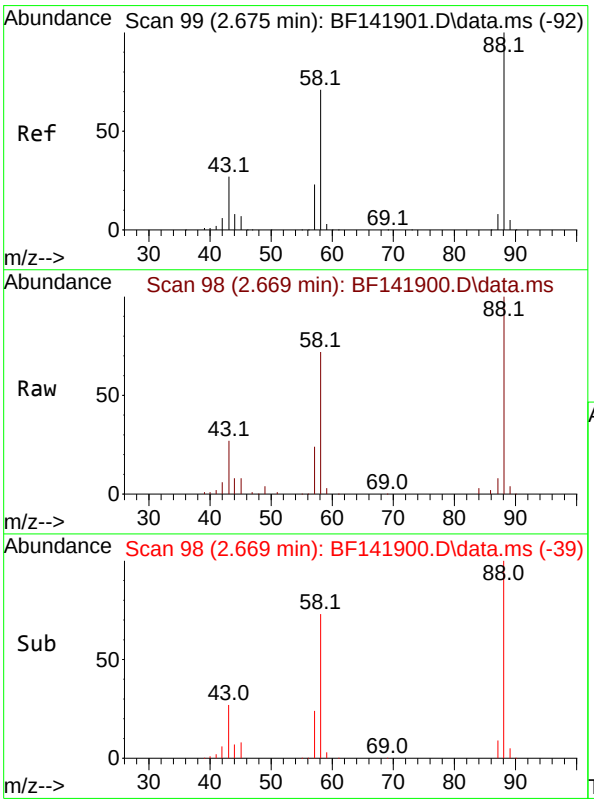

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:152 Resp: 198053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.7 | 127.4 | 191.2 |
| 115 | 64.5 | 51.9 | 77.9 |

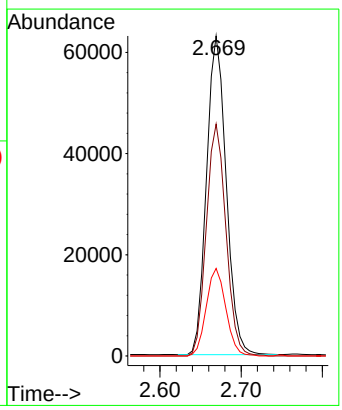


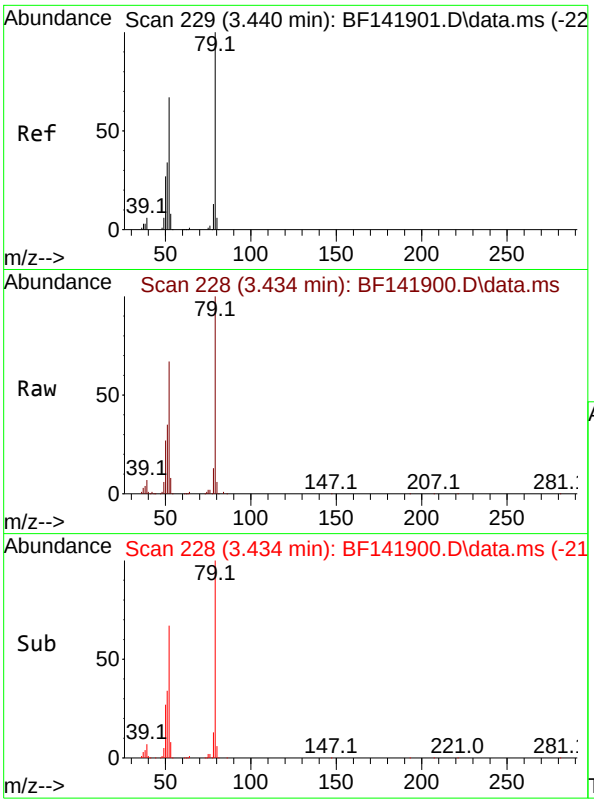




#2
1,4-Dioxane
Concen: 21.323 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 88 Resp: 106079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 72.3 | 57.4 | 86.2 |
| 43 | 27.4 | 21.5 | 32.3 |



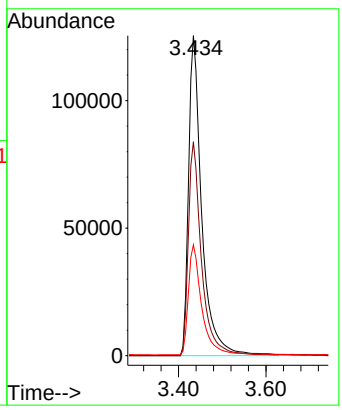


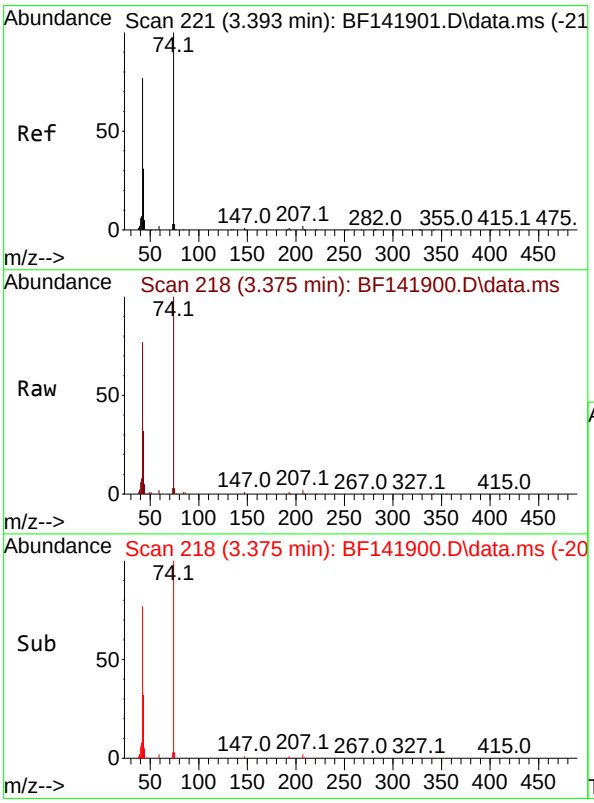

#3
Pyridine
Concen: 21.612 ng
RT: 3.434 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion: 79 Resp: 264229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 66.8 | 53.3 | 79.9 |
| 51 | 34.7 | 27.6 | 41.4 |

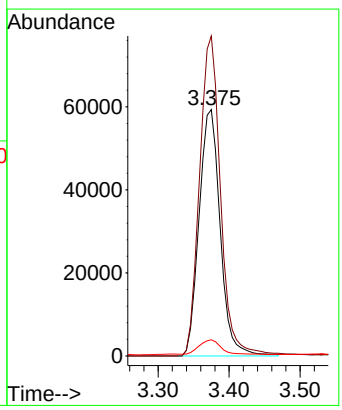


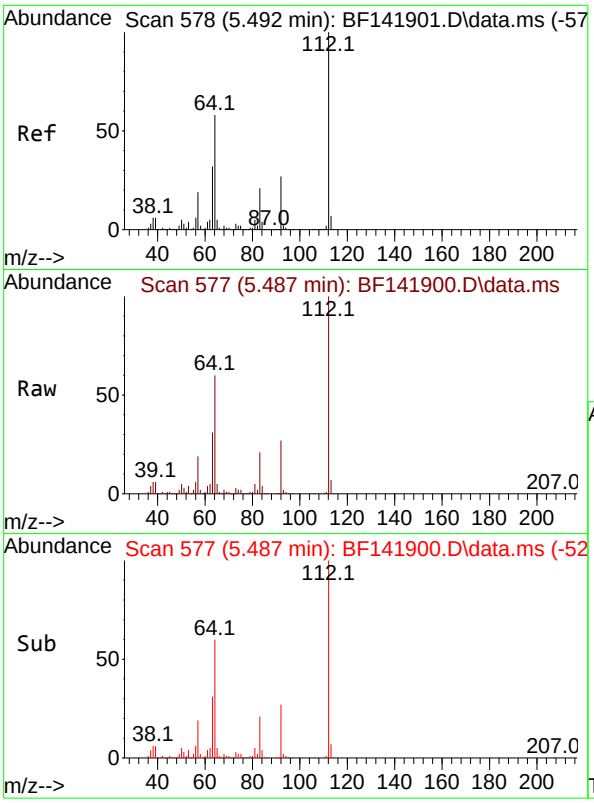




#4
n-Nitrosodimethylamine
Concen: 21.155 ng
RT: 3.375 min Scan# 218
Delta R.T. -0.018 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 42 Resp: 122948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 129.9 | 103.4 | 155.0 |
| 44 | 6.5 | 5.0 | 7.4 |



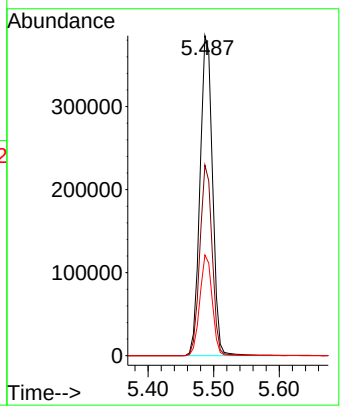


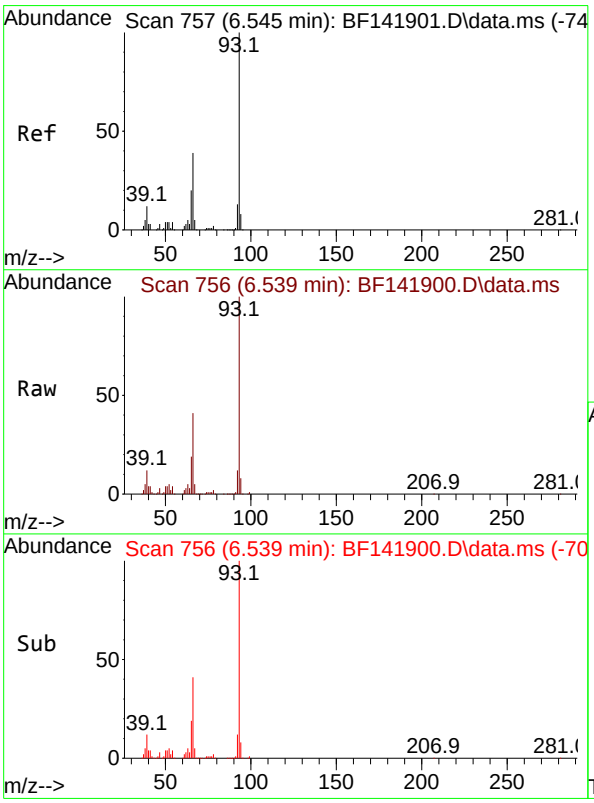

#5
2-Fluorophenol
Concen: 43.318 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:112 Resp: 514189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 59.5 | 46.5 | 69.7 |
| 63 | 31.4 | 25.4 | 38.2 |

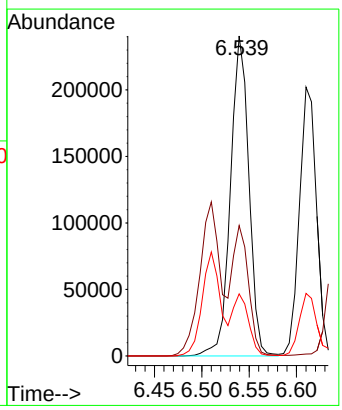


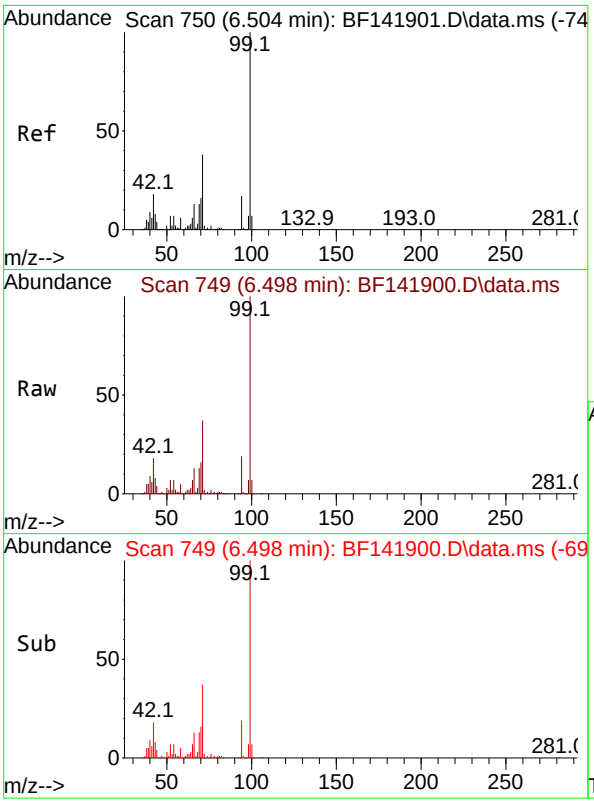




#6
Aniline
Concen: 21.763 ng
RT: 6.539 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 93 Resp: 324802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 40.8 | 31.9 | 47.9 |
| 65 | 19.4 | 15.8 | 23.6 |



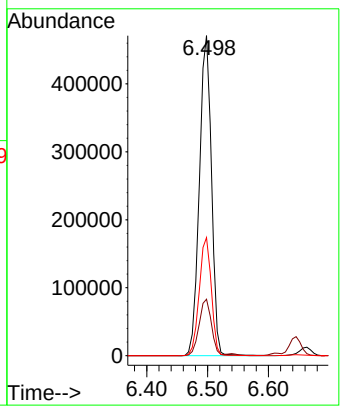


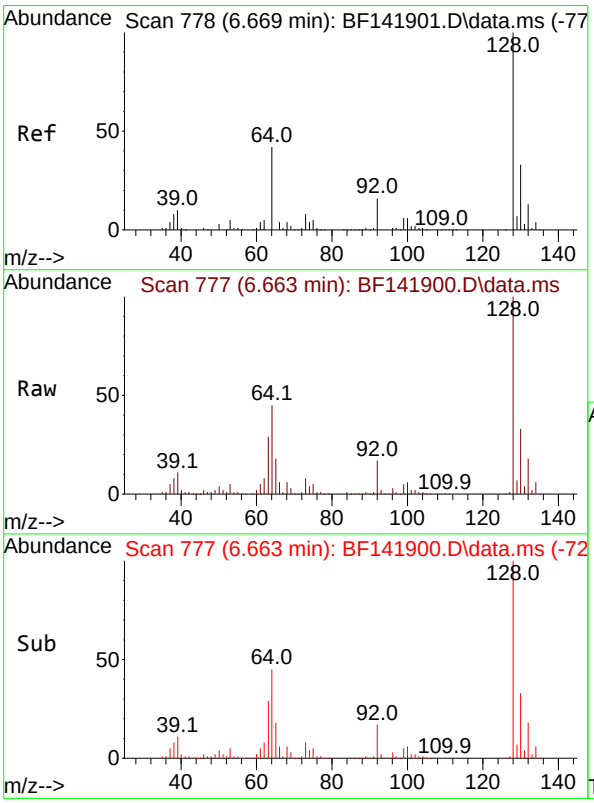

#7
Phenol-d6
Concen: 43.079 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion: 99 Resp: 651272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.6 | 14.6 | 21.8 |
| 71 | 36.9 | 30.8 | 46.2 |

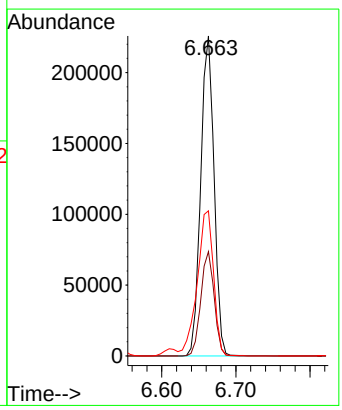


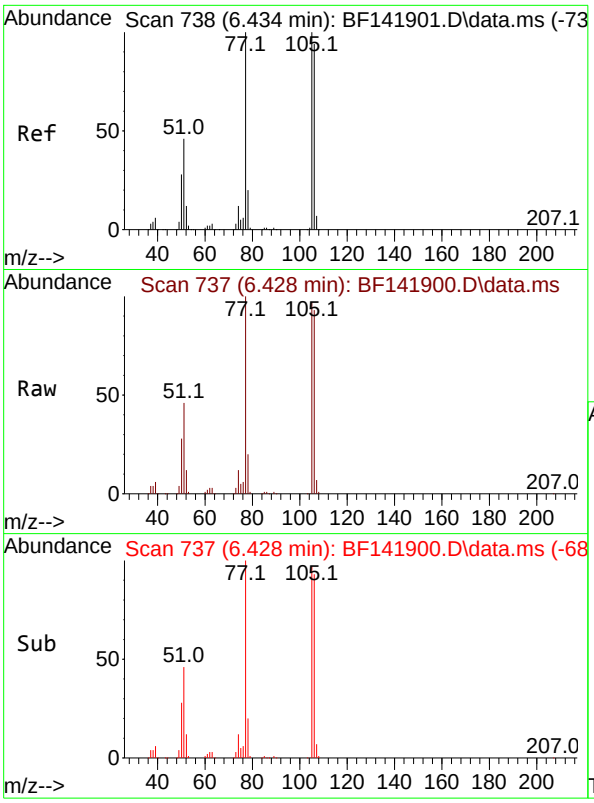




#8
2-Chlorophenol
Concen: 21.592 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:128 Resp: 284082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.6 | 12.8 | 52.8 |
| 64 | 45.4 | 24.4 | 64.4 |



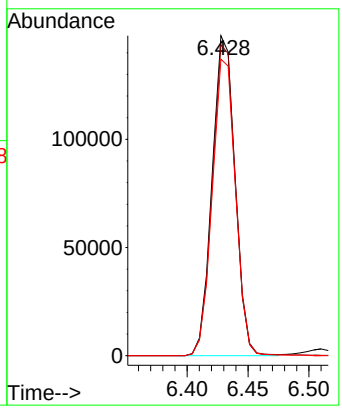


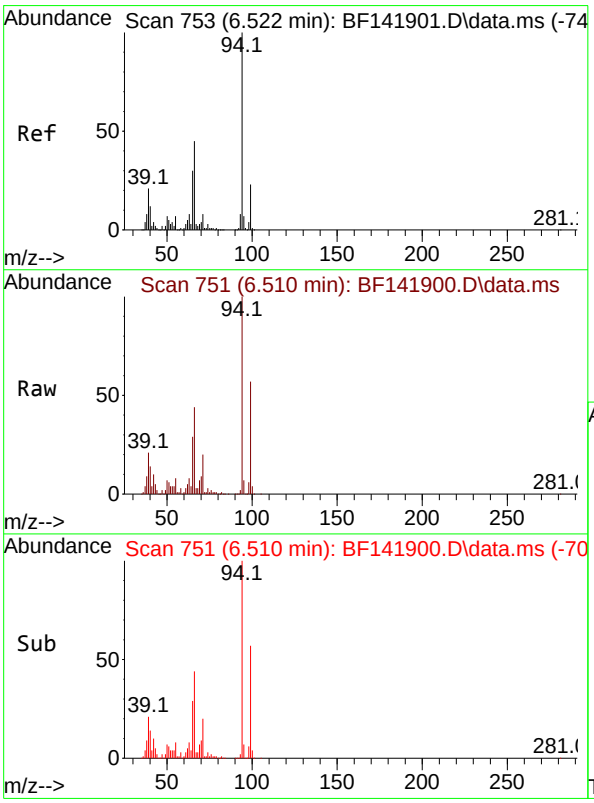

#9
Benzaldehyde
Concen: 22.843 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion: 77 Resp: 193024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 97.1 | 80.0 | 120.0 |
| 106 | 92.6 | 74.5 | 114.5 |

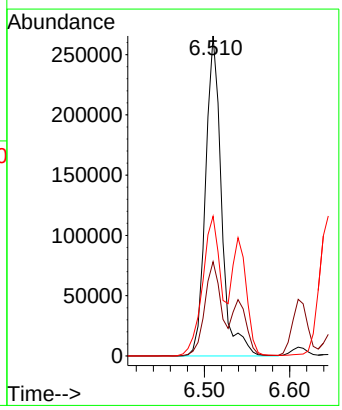


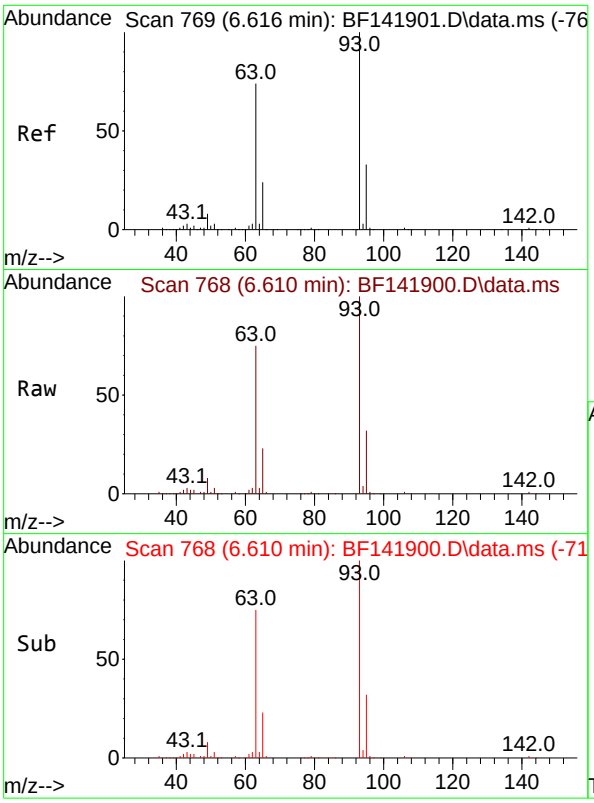




#10
Phenol
Concen: 21.692 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.012 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 94 Resp: 346008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.5 | 10.5 | 50.5 |
| 66 | 43.6 | 25.8 | 65.8 |



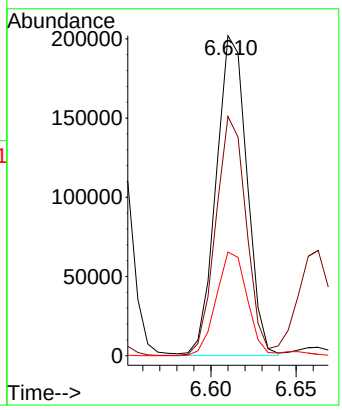


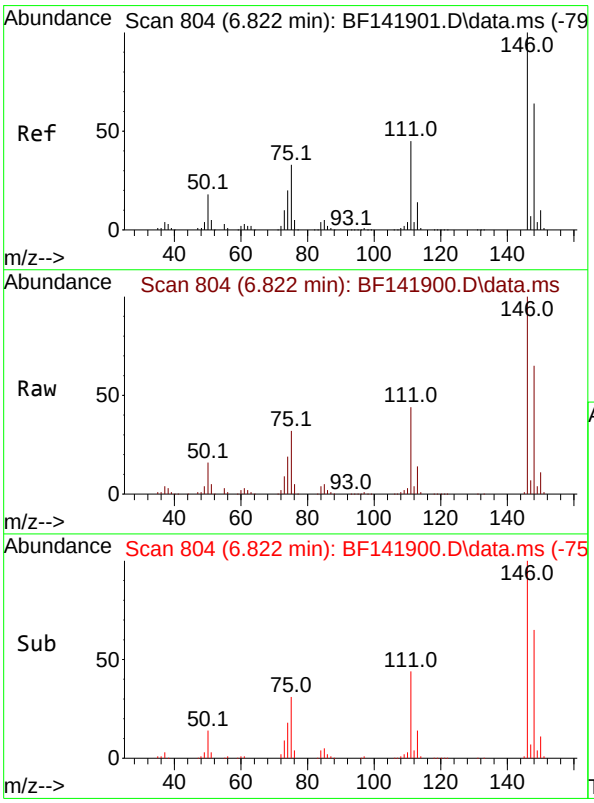

#11
bis(2-Chloroethyl)ether
Concen: 21.236 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion: 93 Resp: 253793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 74.8 | 53.0 | 93.0 |
| 95 | 32.4 | 12.9 | 52.9 |

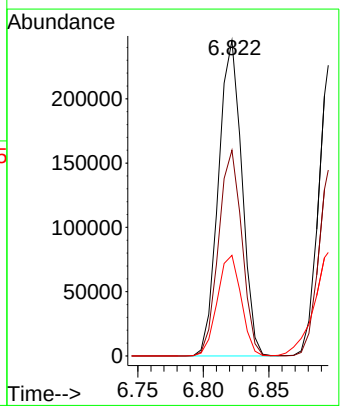


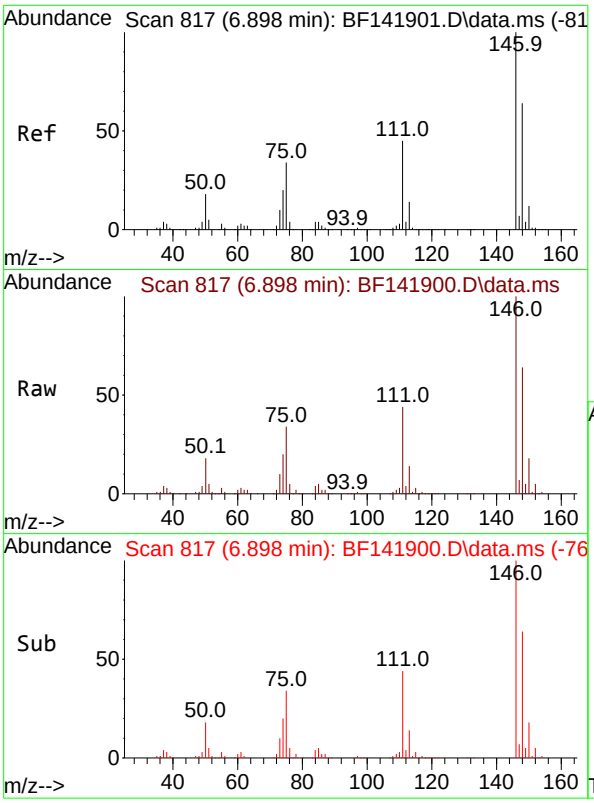




#12
1,3-Dichlorobenzene
Concen: 21.426 ng
RT: 6.822 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:146 Resp: 304632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.2 | 51.3 | 76.9 |
| 75 | 31.9 | 26.6 | 40.0 |



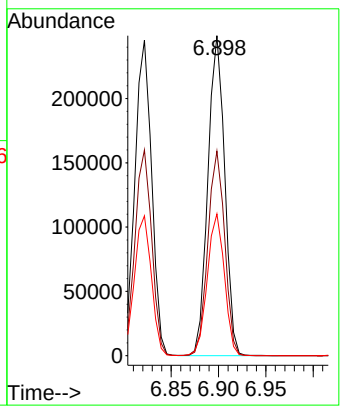


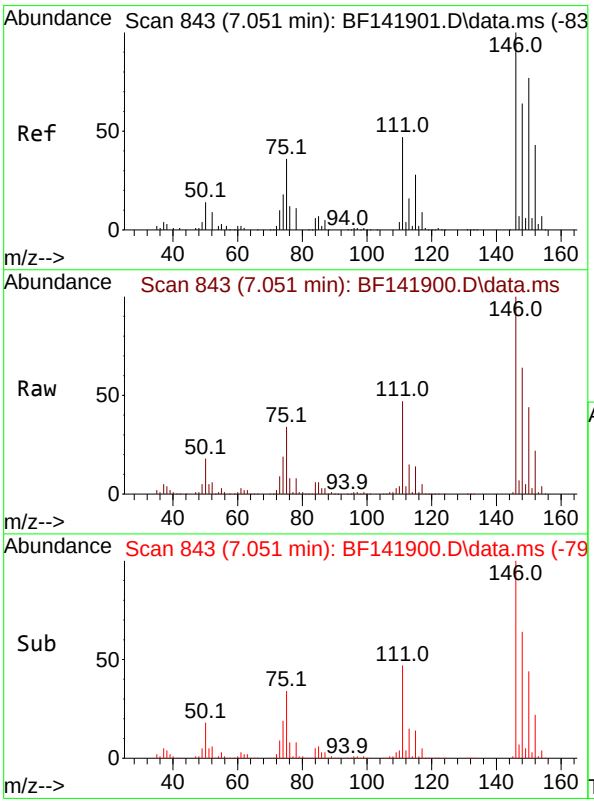

#13
1,4-Dichlorobenzene
Concen: 21.319 ng
RT: 6.898 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:146 Resp: 306665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 51.0 | 76.6 |
| 111 | 44.3 | 35.7 | 53.5 |

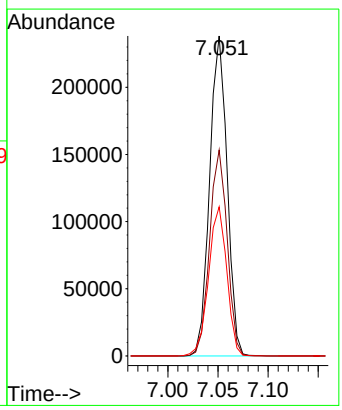


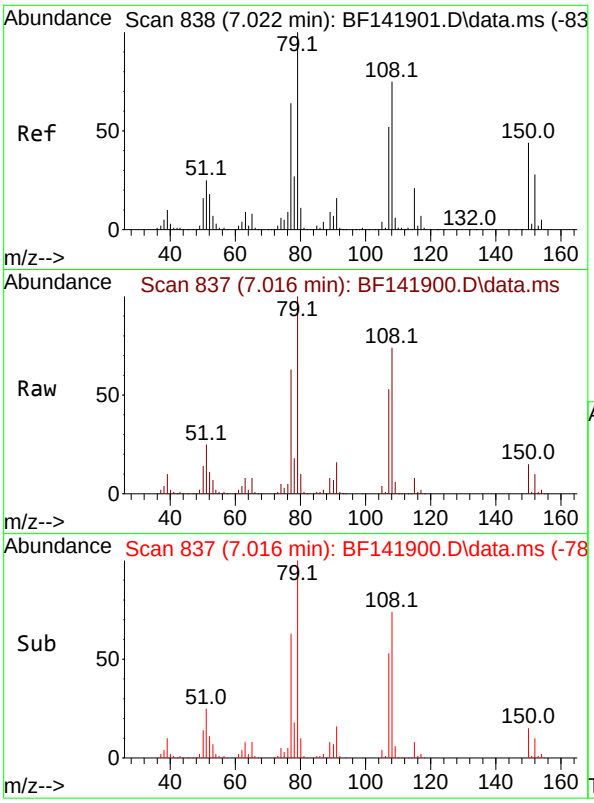




#14
1,2-Dichlorobenzene
Concen: 21.349 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:146 Resp: 289199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 50.8 | 76.2 |
| 111 | 46.6 | 38.0 | 57.0 |



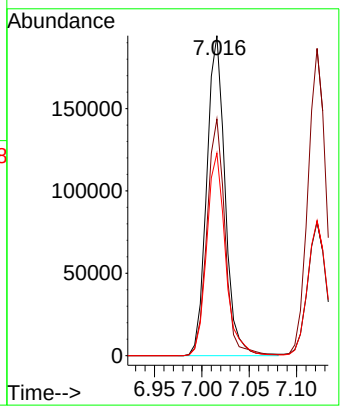


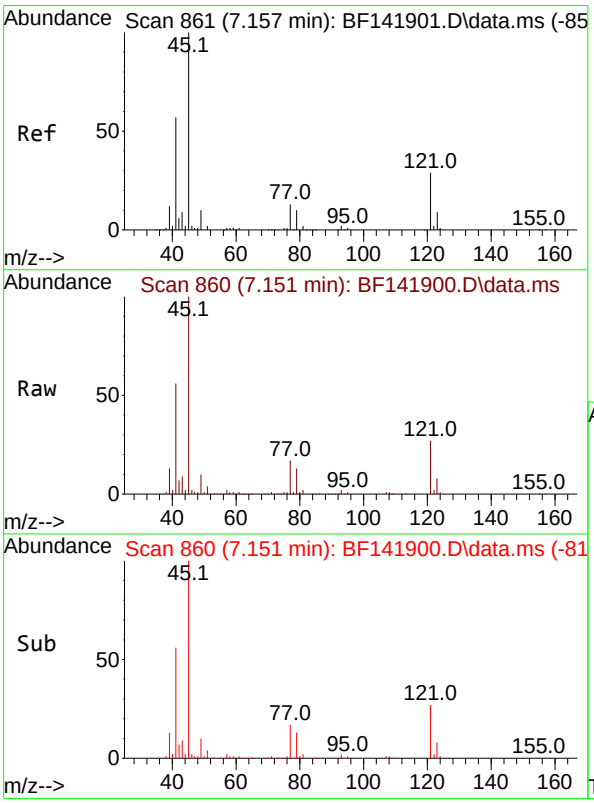

#15
Benzyl Alcohol
Concen: 21.402 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion: 79 Resp: 261893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 73.9 | 59.7 | 89.5 |
| 77 | 63.3 | 51.0 | 76.6 |

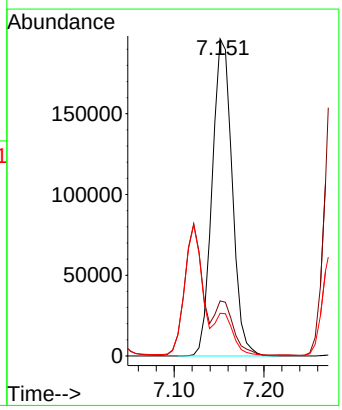


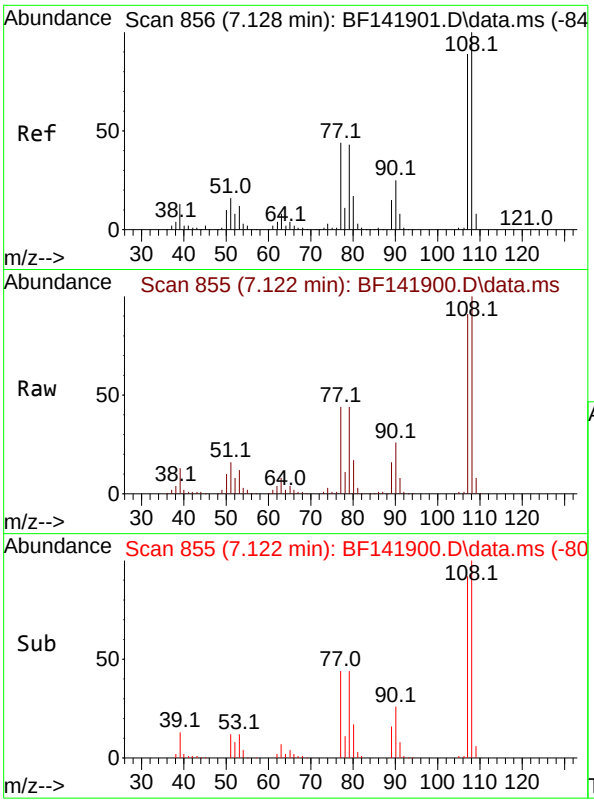




#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.095 ng
RT: 7.151 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 45 Resp: 303847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 17.3 | 0.0 | 37.8 |
| 79 | 13.5 | 0.0 | 34.2 |



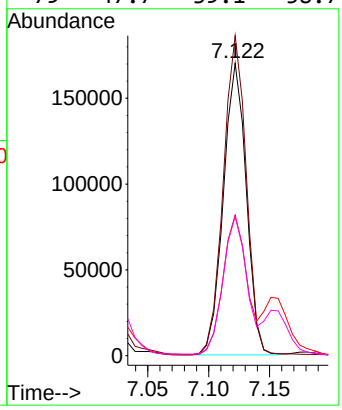


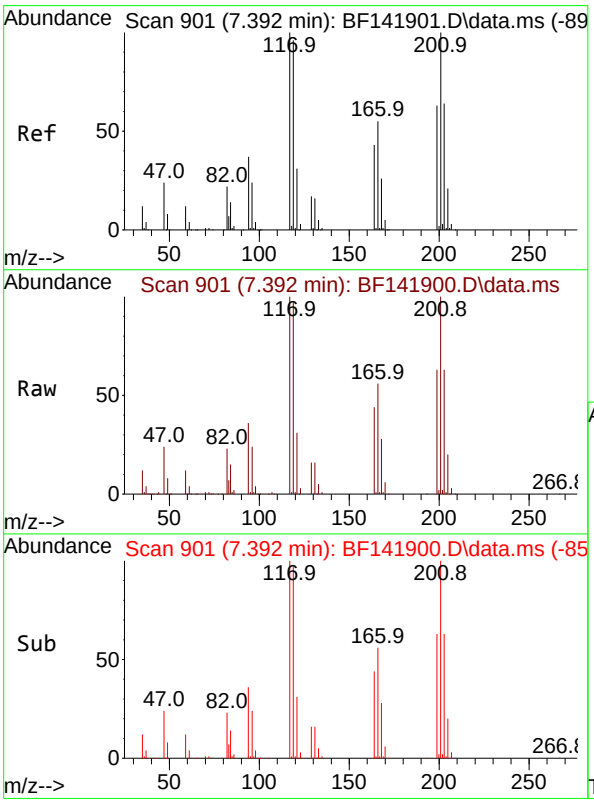

#17
2-Methylphenol
Concen: 21.248 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:107 Resp: 222173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 109.5 | 90.2 | 135.2 |
| 77 | 48.1 | 39.6 | 59.4 |
| 79 | 47.7 | 39.1 | 58.7 |

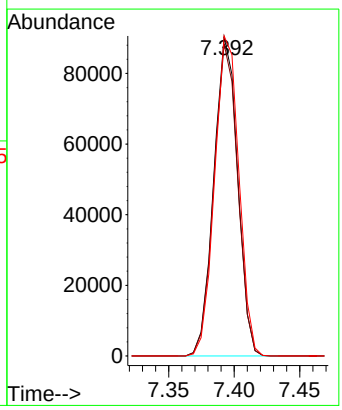


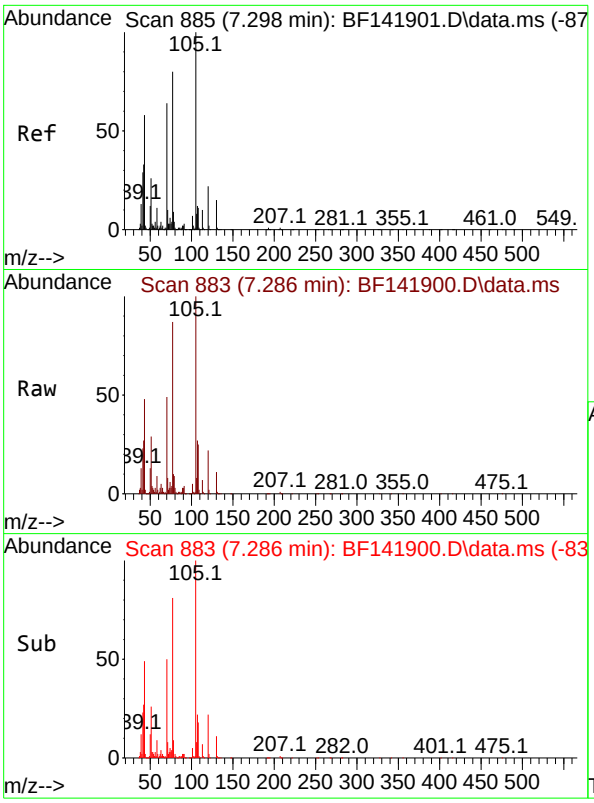




#18
Hexachloroethane
Concen: 21.141 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:117 Resp: 114019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.8 | 76.9 | 115.3 |
| 201 | 100.3 | 79.9 | 119.9 |



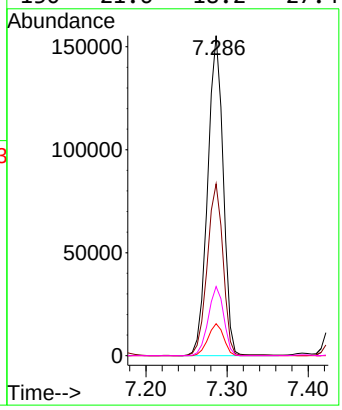


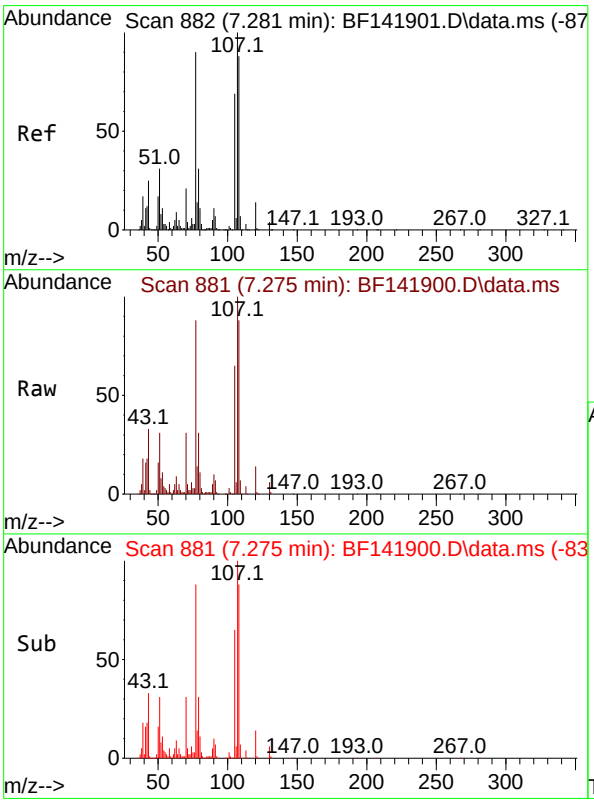

#19
n-Nitroso-di-n-propylamine
Concen: 21.268 ng
RT: 7.286 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion: 70 Resp: 206654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 53.7 | 41.4 | 62.0 |
| 101 | 10.0 | 8.2 | 12.2 |
| 130 | 21.6 | 18.2 | 27.4 |

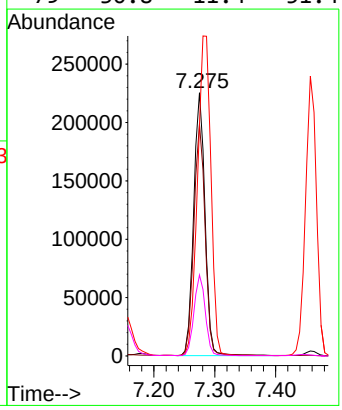


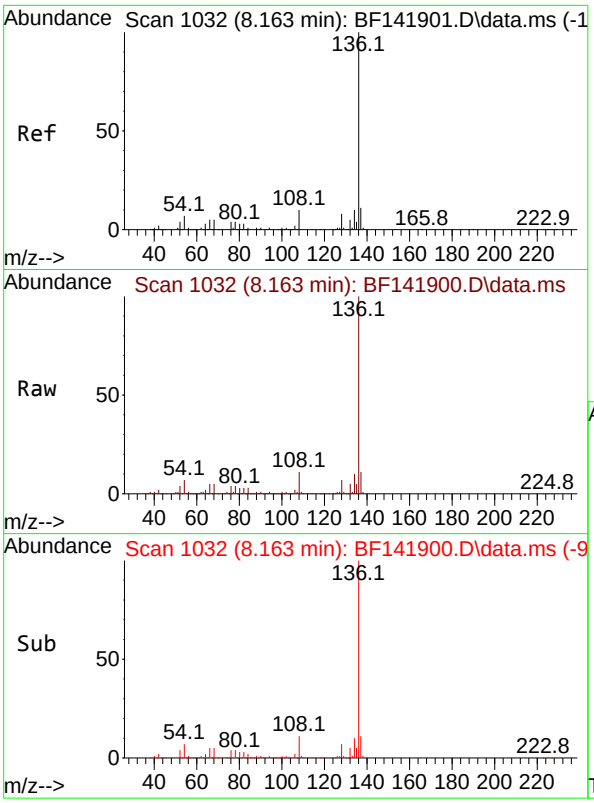




#20
3+4-Methylphenols
Concen: 21.702 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:107 Resp: 291065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.1 | 68.4 | 108.4 |
| 77 | 87.9 | 69.7 | 109.7 |
| 79 | 30.8 | 11.4 | 51.4 |



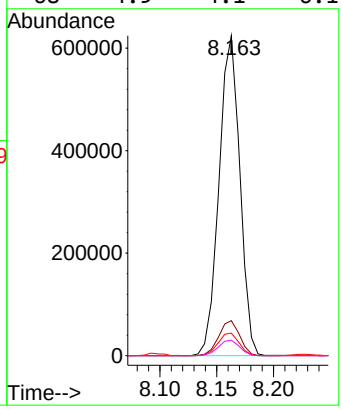


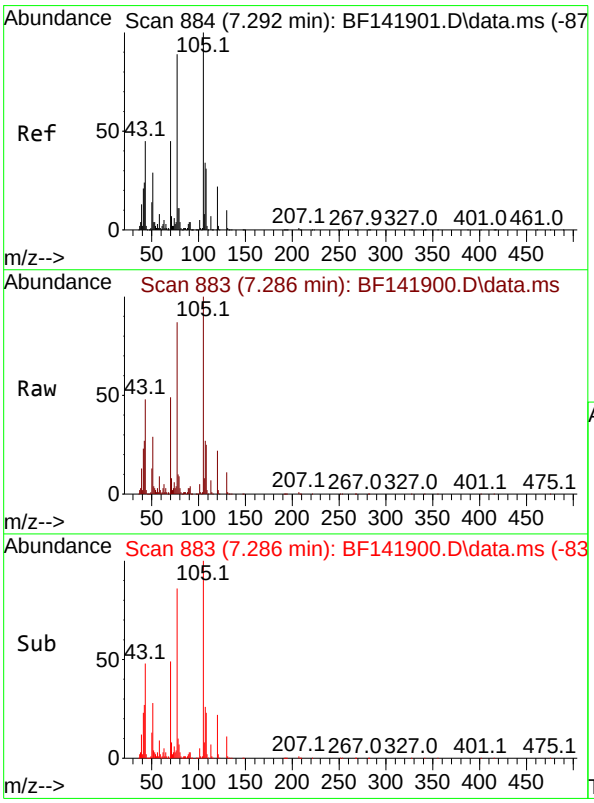

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:136 Resp: 797548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.8 | 13.2 |
| 54 | 7.1 | 5.8 | 8.8 |
| 68 | 4.9 | 4.1 | 6.1 |

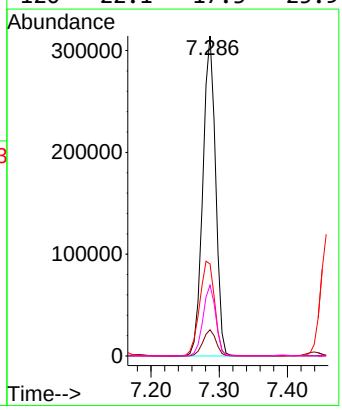


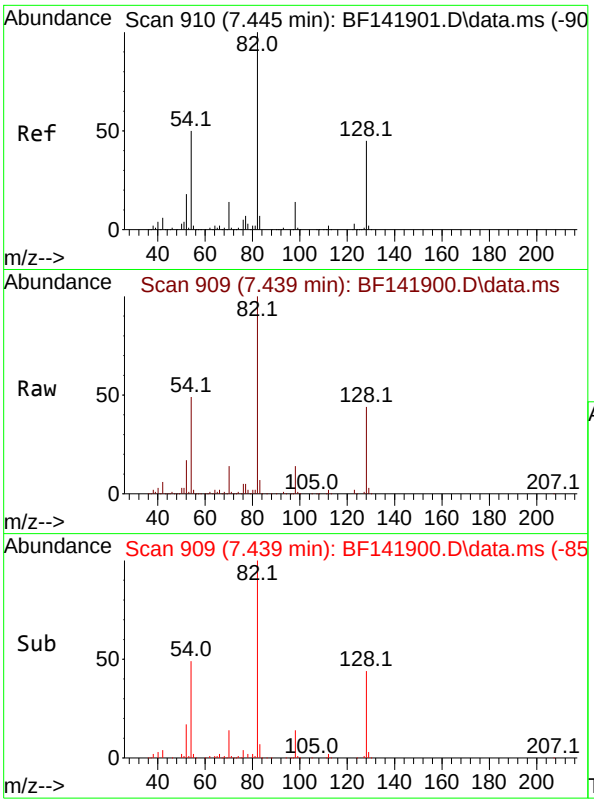




#22
Acetophenone
Concen: 21.385 ng
RT: 7.286 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:105 Resp: 409149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 8.2 | 5.8 | 8.8 |
| 51 | 28.8 | 23.4 | 35.0 |
| 120 | 22.1 | 17.3 | 25.9 |



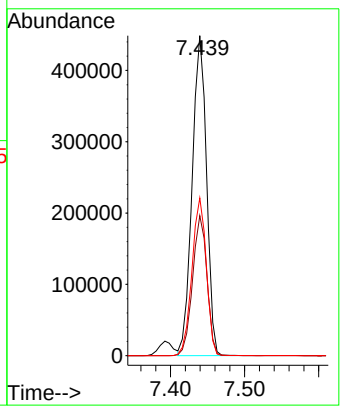


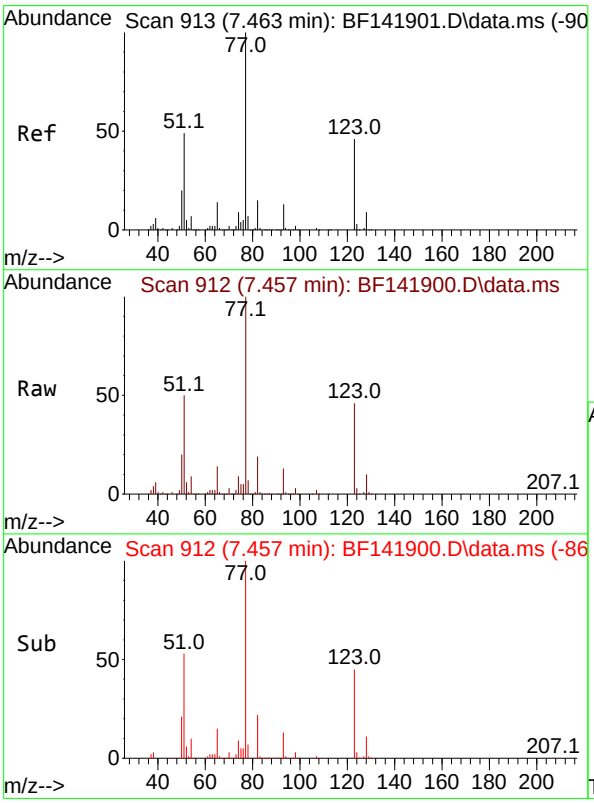

#23
Nitrobenzene-d5
Concen: 42.465 ng
RT: 7.439 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion: 82 Resp: 604270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.8 | 36.0 | 54.0 |
| 54 | 49.3 | 39.6 | 59.4 |

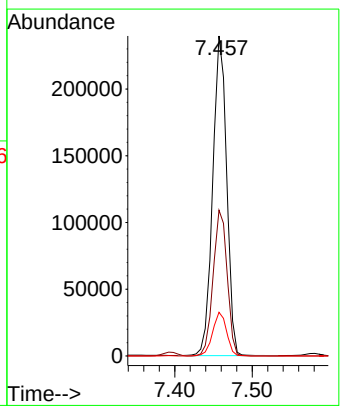


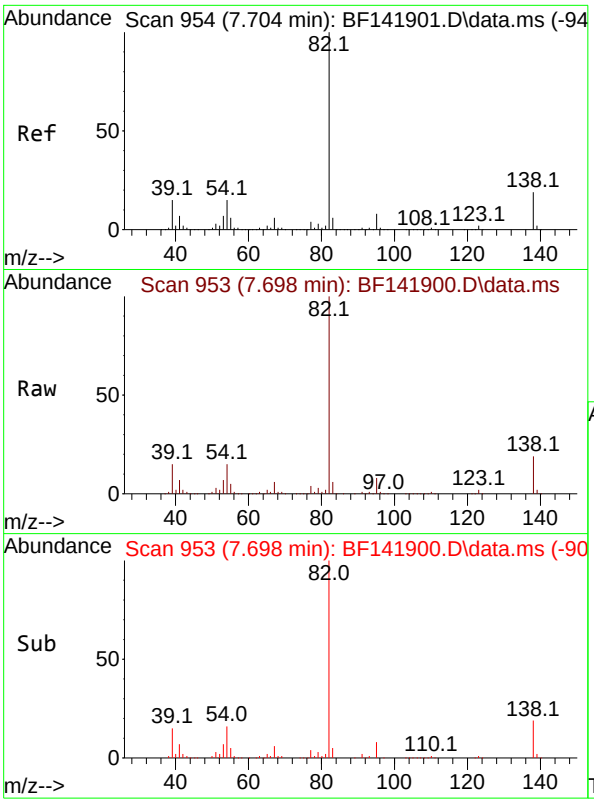




#24
Nitrobenzene
Concen: 21.196 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 77 Resp: 299046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 45.6 | 37.0 | 55.4 |
| 65 | 13.7 | 11.3 | 16.9 |



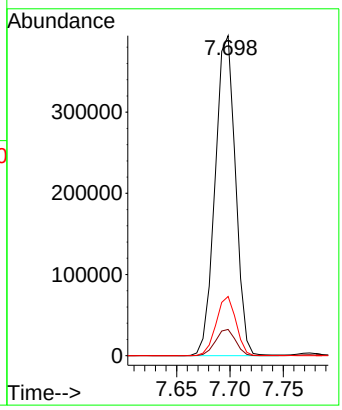


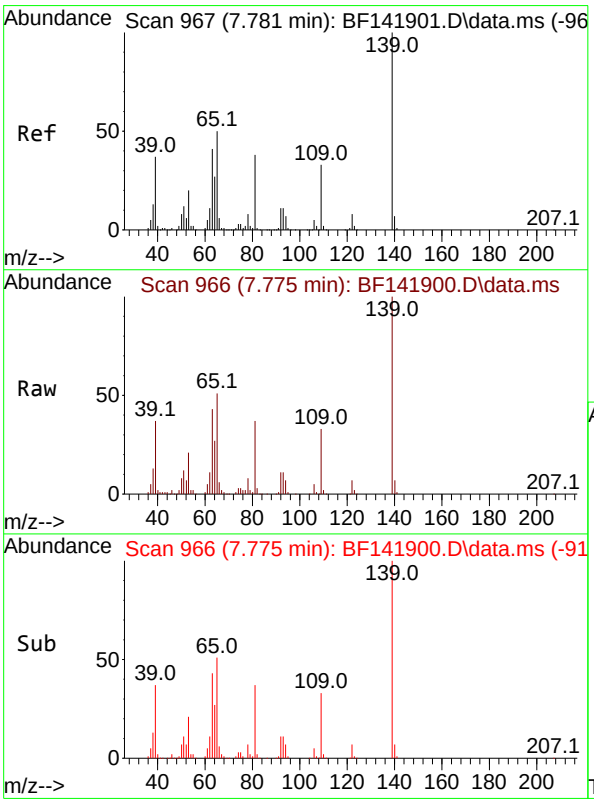

#25
Isophorone
Concen: 20.788 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion: 82 Resp: 522239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.2 | 6.4 | 9.6 |
| 138 | 18.5 | 14.9 | 22.3 |

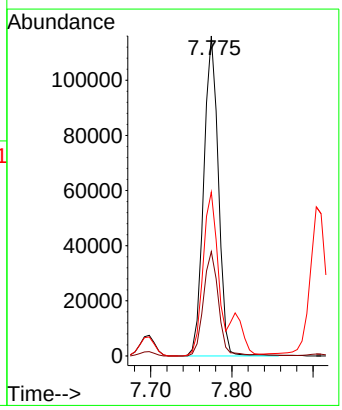


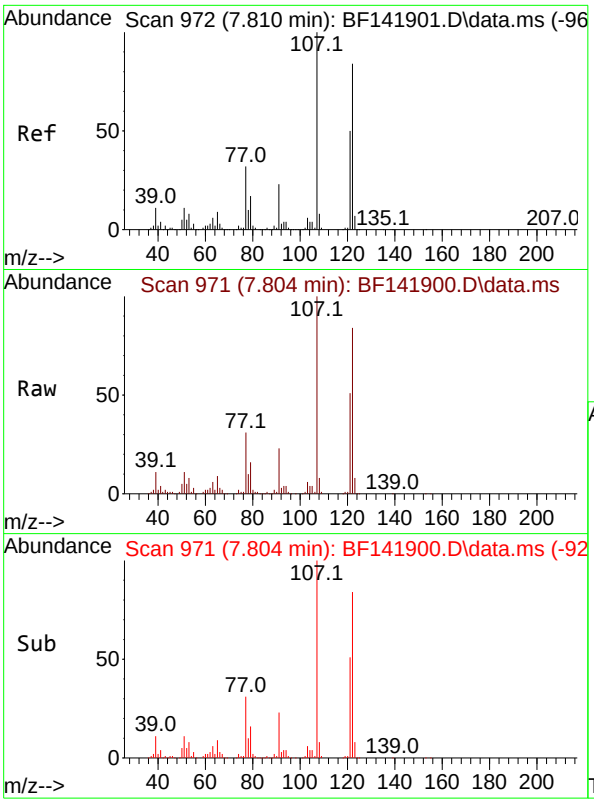




#26
2-Nitrophenol
Concen: 20.970 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:139 Resp: 144979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 32.6 | 26.5 | 39.7 |
| 65 | 51.2 | 40.3 | 60.5 |



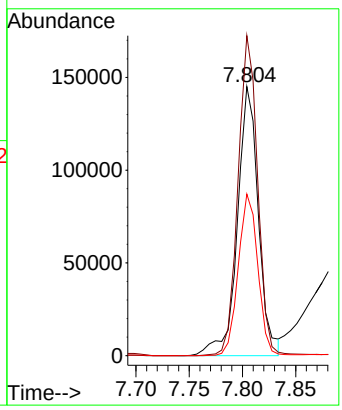


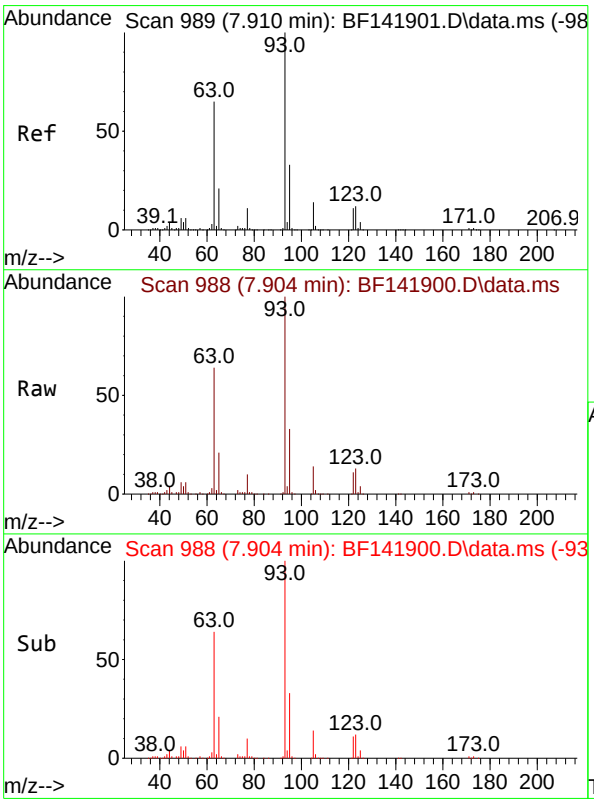

#27
2,4-Dimethylphenol
Concen: 21.009 ng
RT: 7.804 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:122 Resp: 200058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 118.9 | 94.8 | 142.2 |
| 121 | 60.1 | 47.8 | 71.6 |

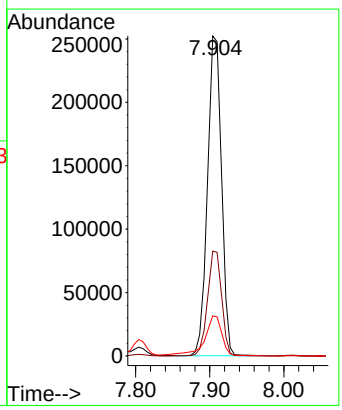


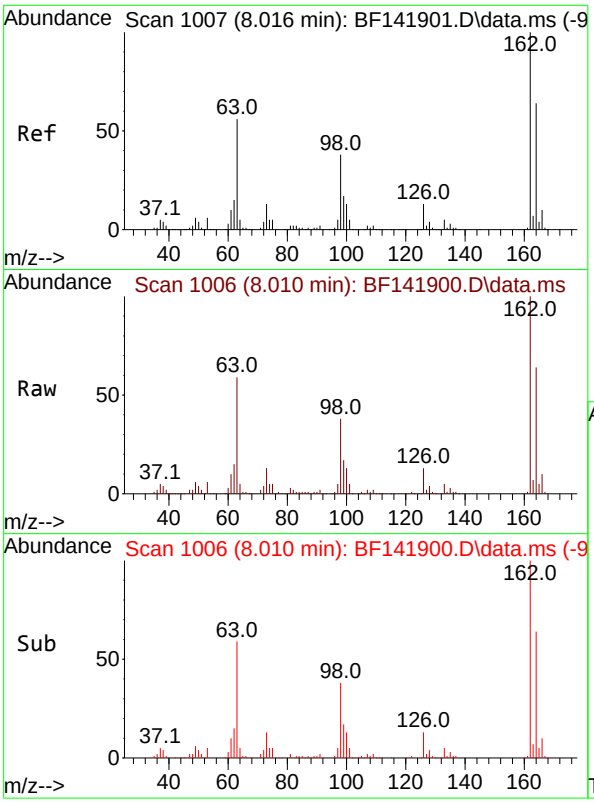




#28
bis(2-Chloroethoxy)methane
Concen: 21.093 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 93 Resp: 331966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.8 | 26.6 | 40.0 |
| 123 | 12.6 | 10.2 | 15.4 |



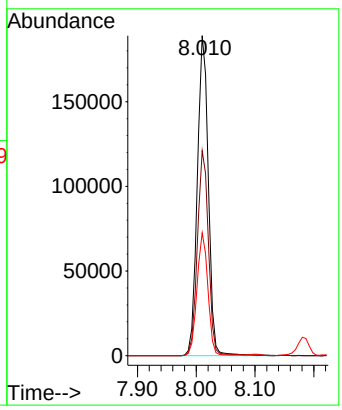


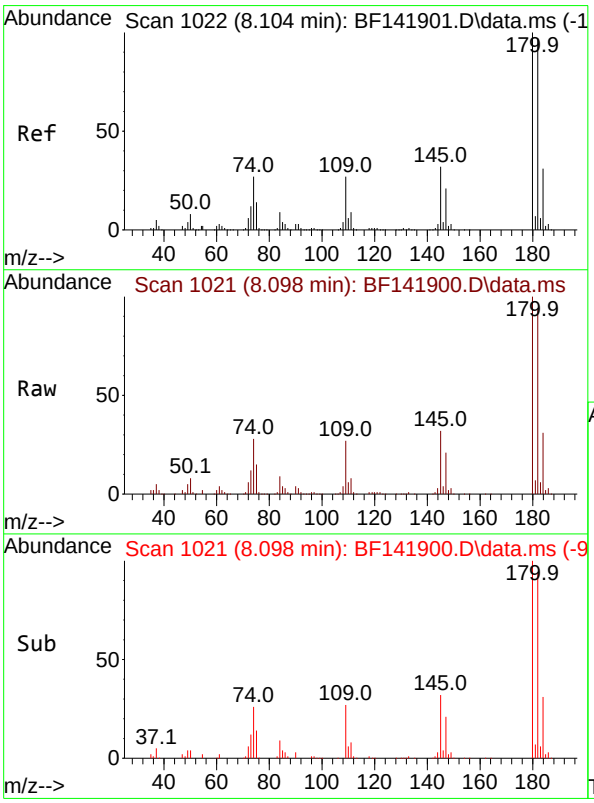

#29
2,4-Dichlorophenol
Concen: 20.884 ng
RT: 8.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:162 Resp: 246810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.0 | 43.8 | 83.8 |
| 98 | 38.4 | 18.1 | 58.1 |

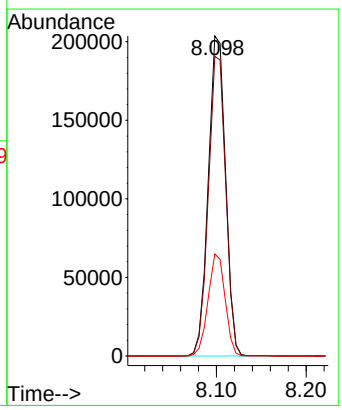


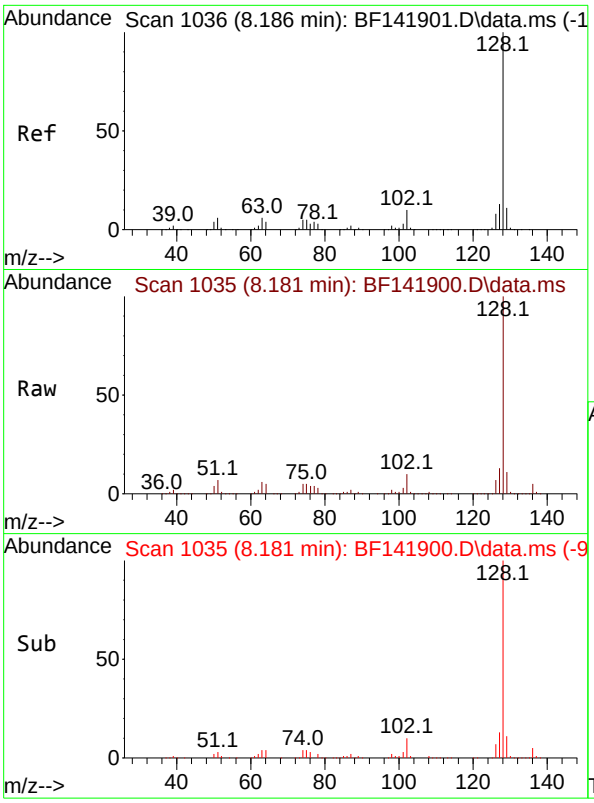




#30
1,2,4-Trichlorobenzene
Concen: 20.922 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:180 Resp: 272773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.6 | 77.5 | 116.3 |
| 145 | 31.9 | 25.8 | 38.6 |



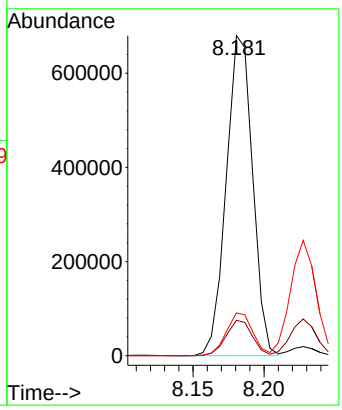


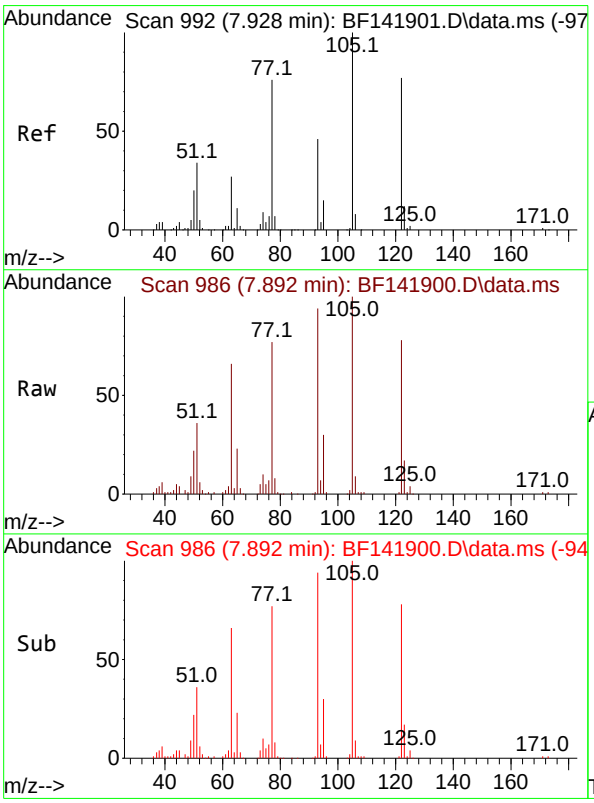

#31
Naphthalene
Concen: 21.487 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:128 Resp: 877897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 9.0 | 13.6 |
| 127 | 13.4 | 10.8 | 16.2 |

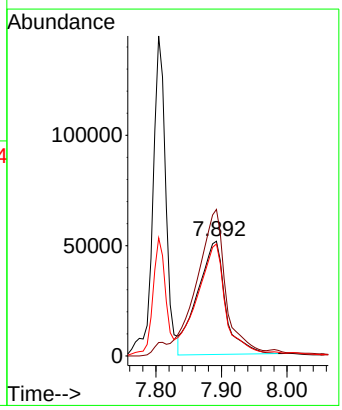


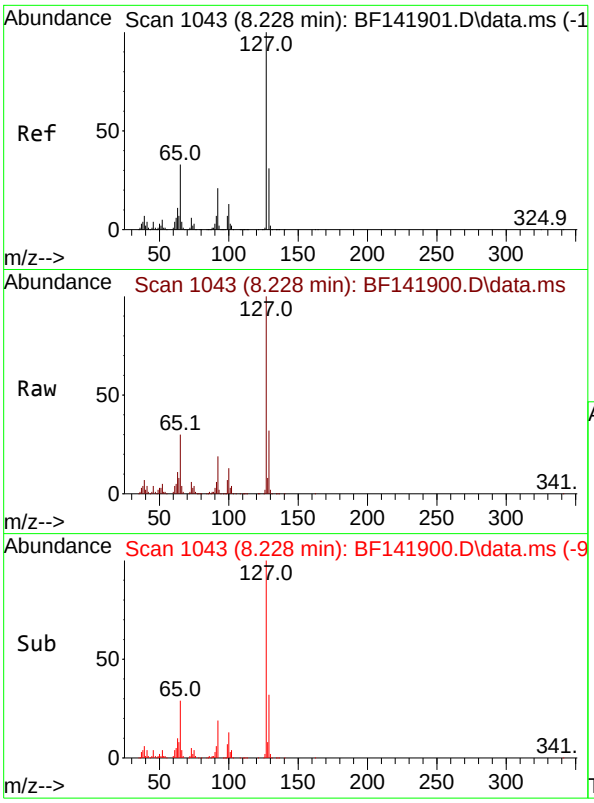




#32
Benzoic acid
Concen: 18.313 ng
RT: 7.892 min Scan# 986
Delta R.T. -0.036 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:122 Resp: 152420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 127.6 | 107.9 | 147.9 |
| 77 | 97.6 | 79.0 | 119.0 |



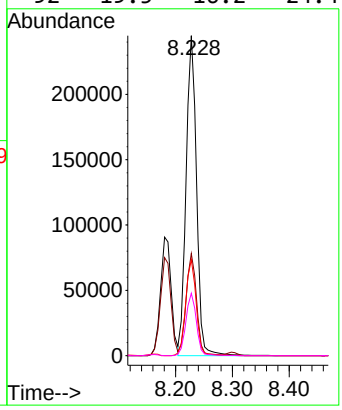


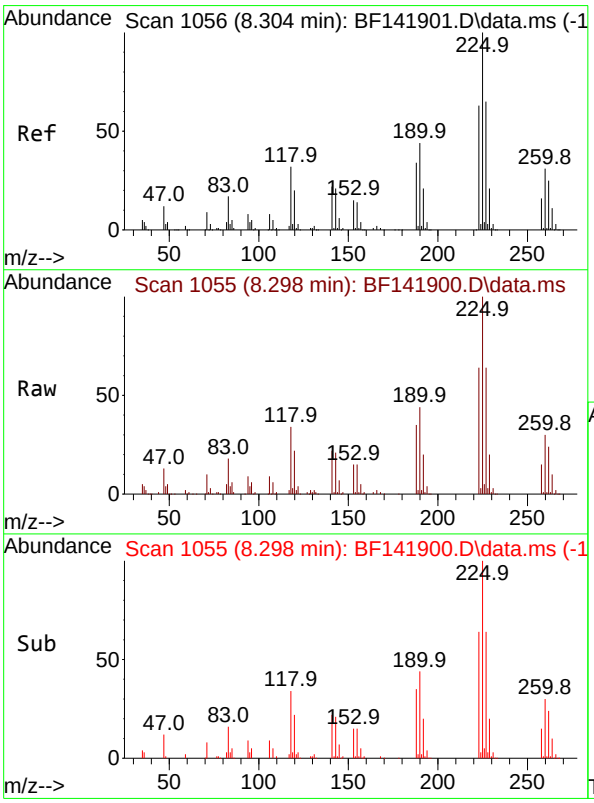

#33
4-Chloroaniline
Concen: 21.726 ng
RT: 8.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:127 Resp: 313249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.9 | 26.2 | 39.4 |
| 65 | 30.0 | 25.4 | 38.2 |
| 92 | 19.5 | 16.2 | 24.4 |

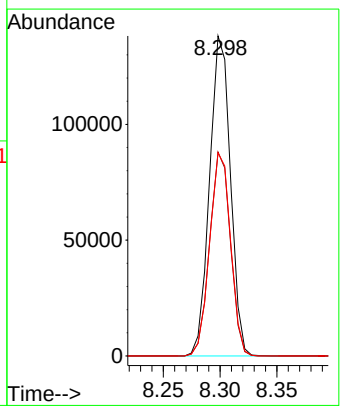


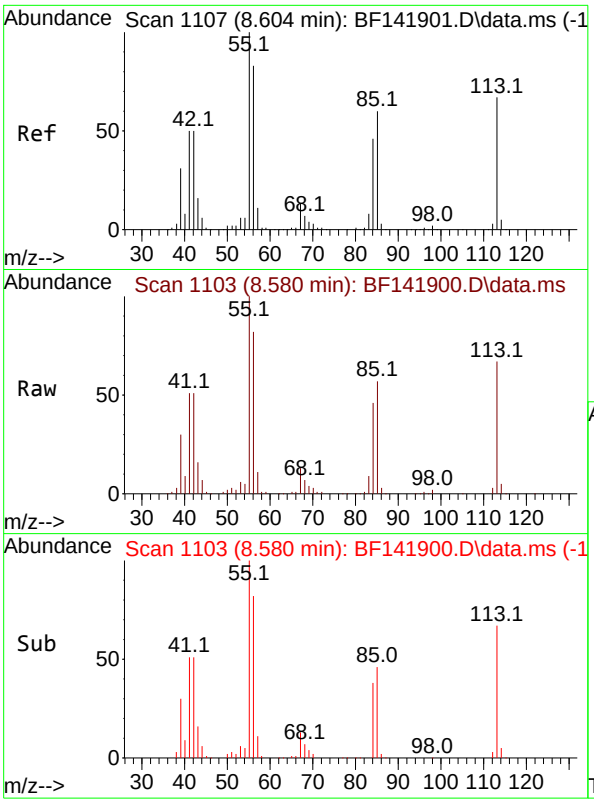




#34
Hexachlorobutadiene
Concen: 20.791 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:225 Resp: 176253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.7 | 50.6 | 75.8 |
| 227 | 63.5 | 52.2 | 78.2 |



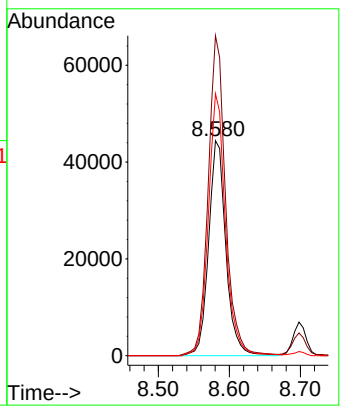


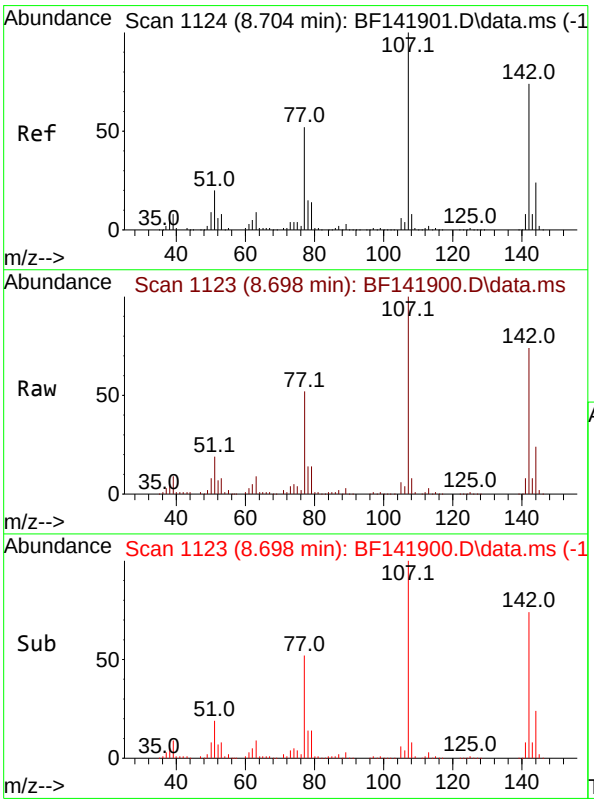

#35
Caprolactam
Concen: 20.884 ng
RT: 8.580 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:113 Resp: 75048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 148.8 | 129.6 | 169.6 |
| 56 | 121.8 | 104.0 | 144.0 |

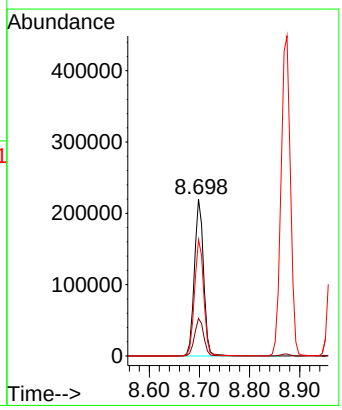


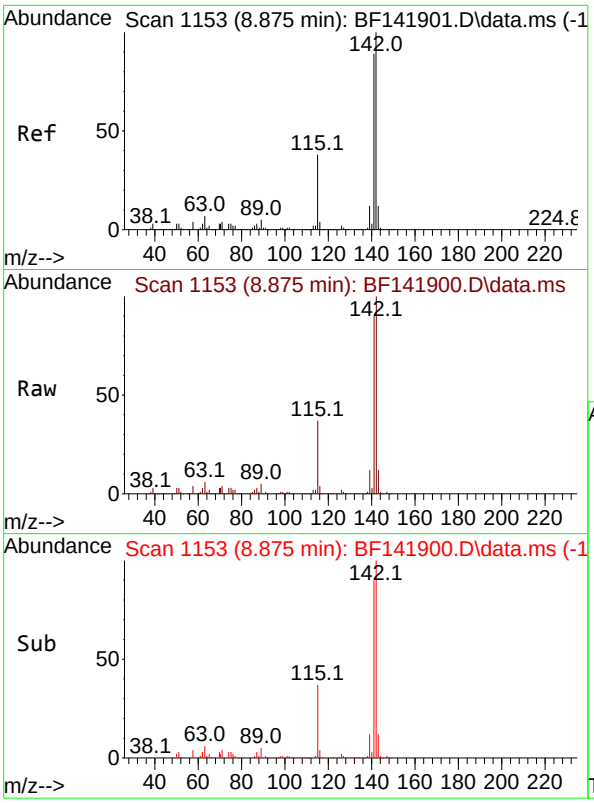




#36
4-Chloro-3-methylphenol
Concen: 21.168 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:107 Resp: 278207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 23.9 | 19.0 | 28.6 |
| 142 | 74.3 | 59.2 | 88.8 |



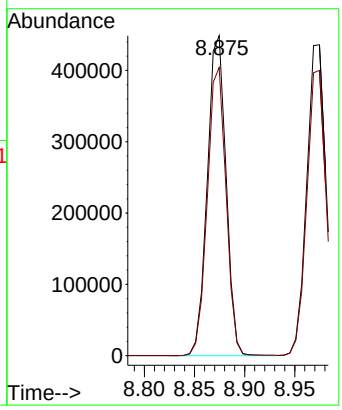


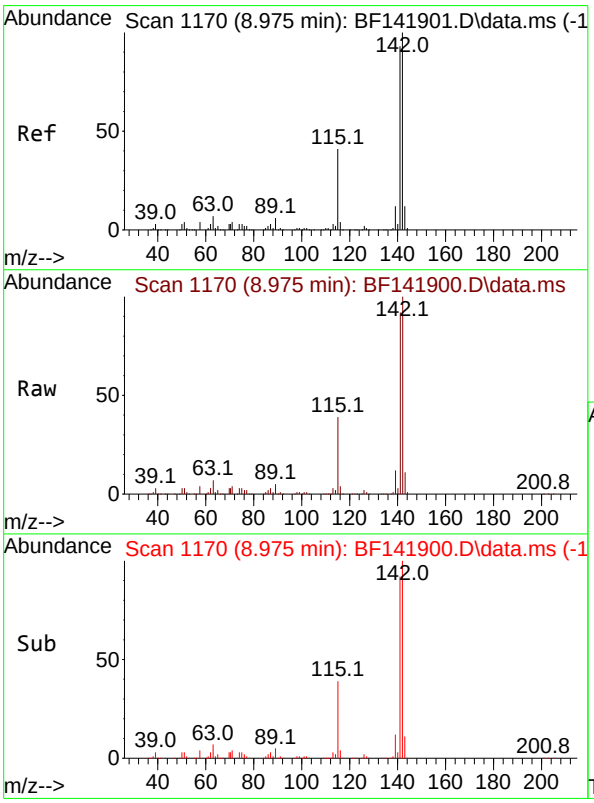

#37
2-Methylnaphthalene
Concen: 21.324 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:142 Resp: 584552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.0 | 71.2 | 106.8 |

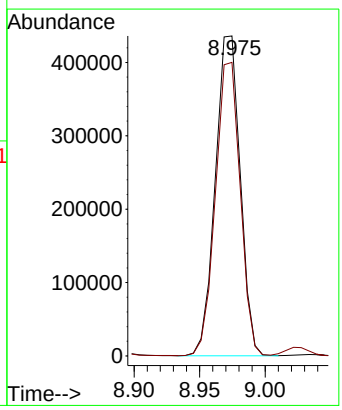


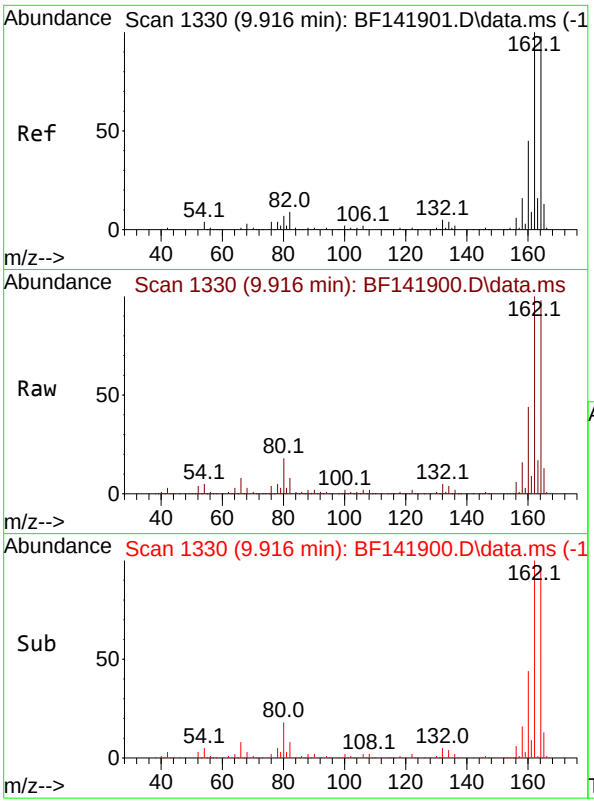




#38
1-Methylnaphthalene
Concen: 21.677 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:142 Resp: 575428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.8 | 74.2 | 111.4 |



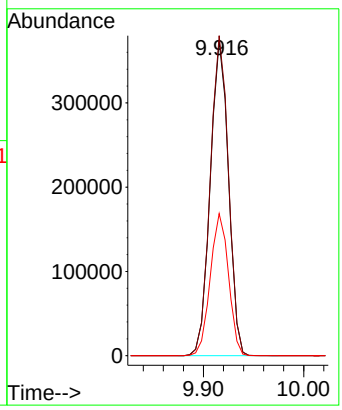


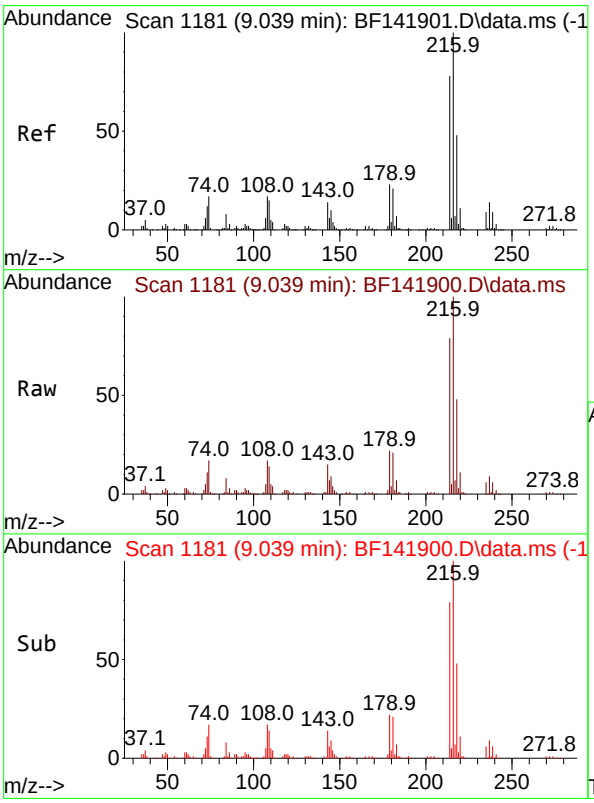

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:164 Resp: 470833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.6 | 81.8 | 122.6 |
| 160 | 45.1 | 36.7 | 55.1 |

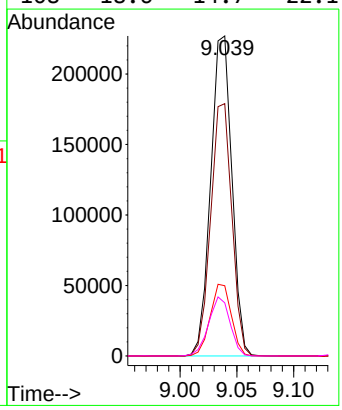


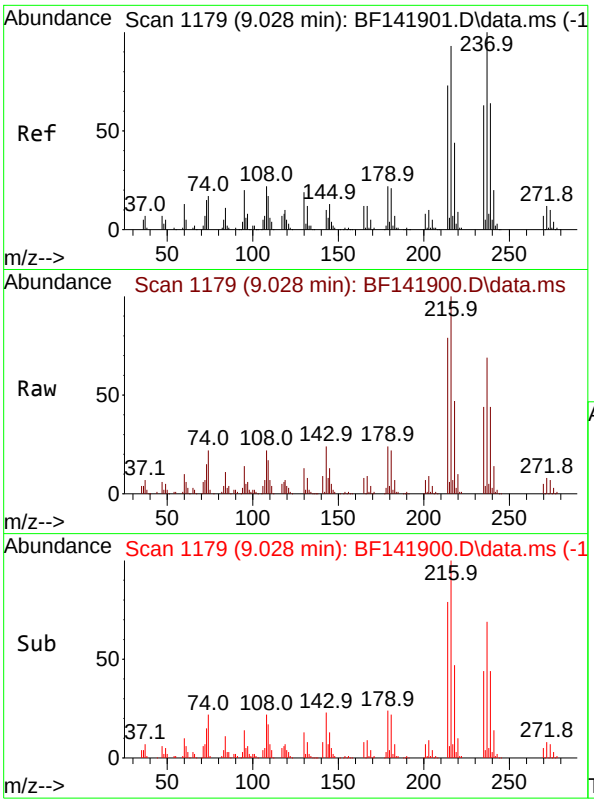




#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.538 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:216 Resp: 294845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.7 | 61.9 | 92.9 |
| 179 | 22.3 | 18.1 | 27.1 |
| 108 | 18.6 | 14.7 | 22.1 |



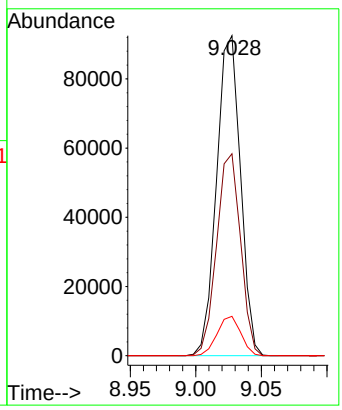


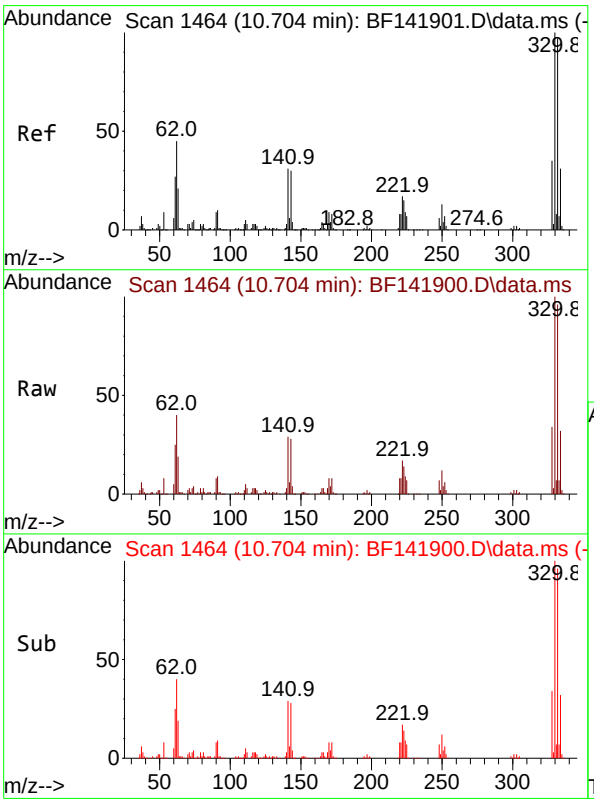

#41
Hexachlorocyclopentadiene
Concen: 20.685 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:237 Resp: 117174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.1 | 43.1 | 83.1 |
| 272 | 12.3 | 0.0 | 32.0 |

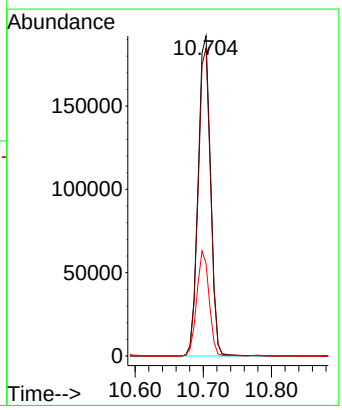


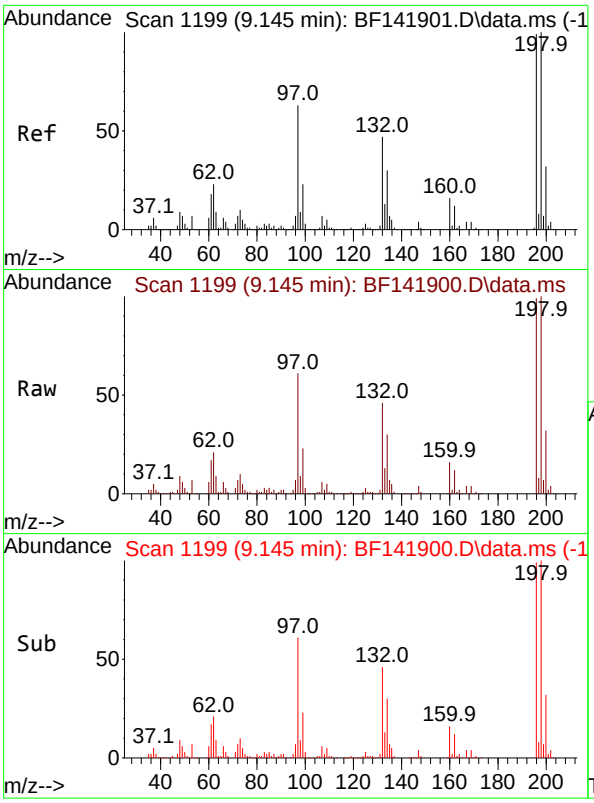




#42
2,4,6-Tribromophenol
Concen: 40.869 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:330 Resp: 243832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.8 | 77.6 | 116.4 |
| 141 | 32.4 | 24.7 | 37.1 |



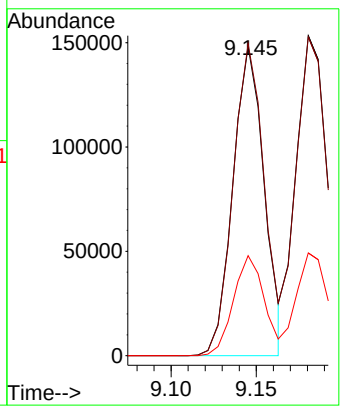


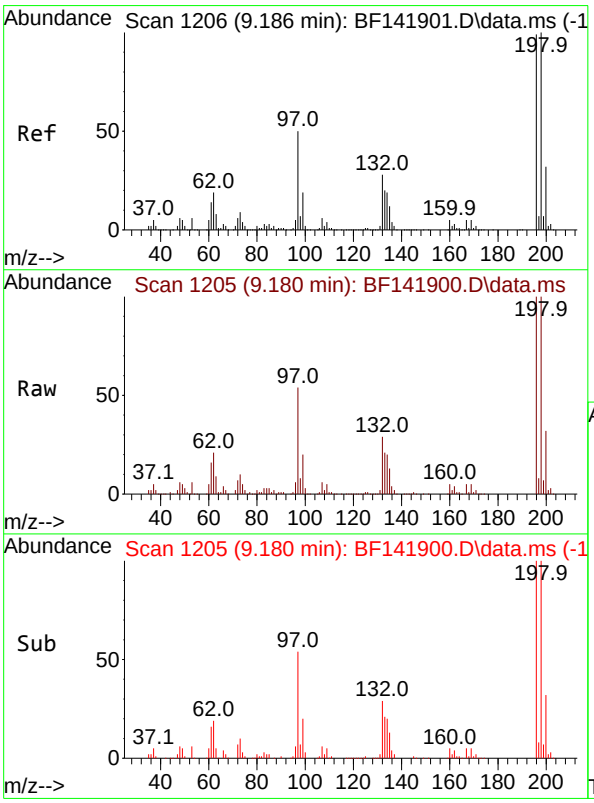

#43
2,4,6-Trichlorophenol
Concen: 20.203 ng
RT: 9.145 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:196 Resp: 189069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.9 | 80.6 | 121.0 |
| 200 | 32.3 | 25.8 | 38.6 |

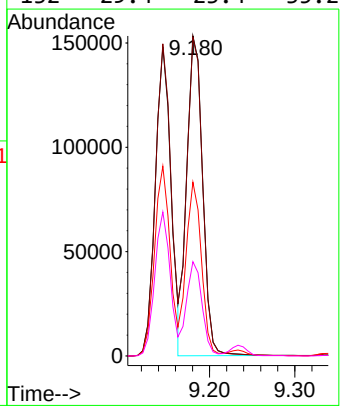


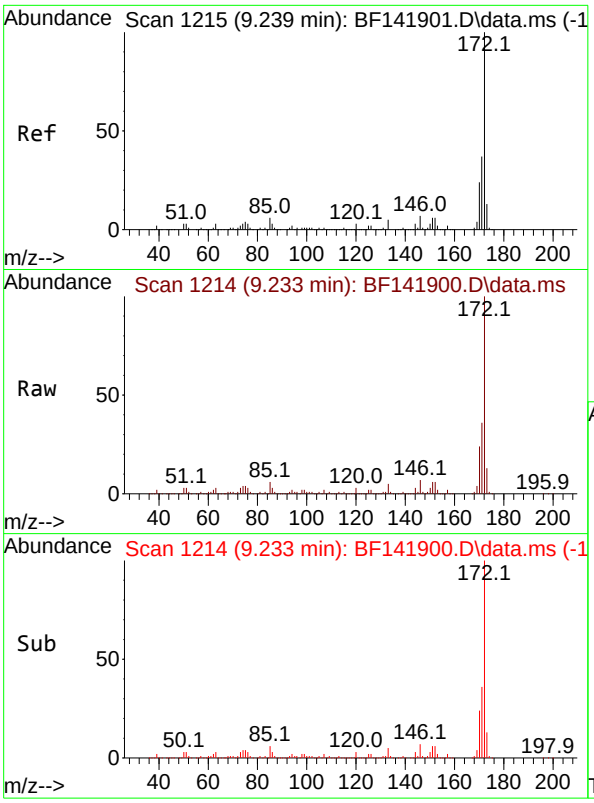




#44
2,4,5-Trichlorophenol
Concen: 20.912 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:196 Resp: 198841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.6 | 80.7 | 121.1 |
| 97 | 54.3 | 42.1 | 63.1 |
| 132 | 29.4 | 23.4 | 35.2 |



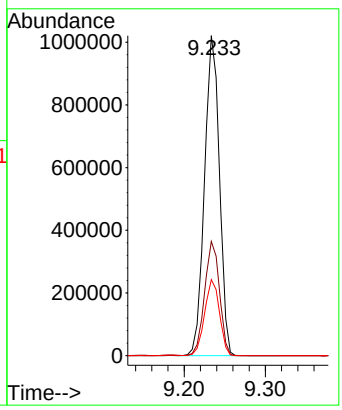


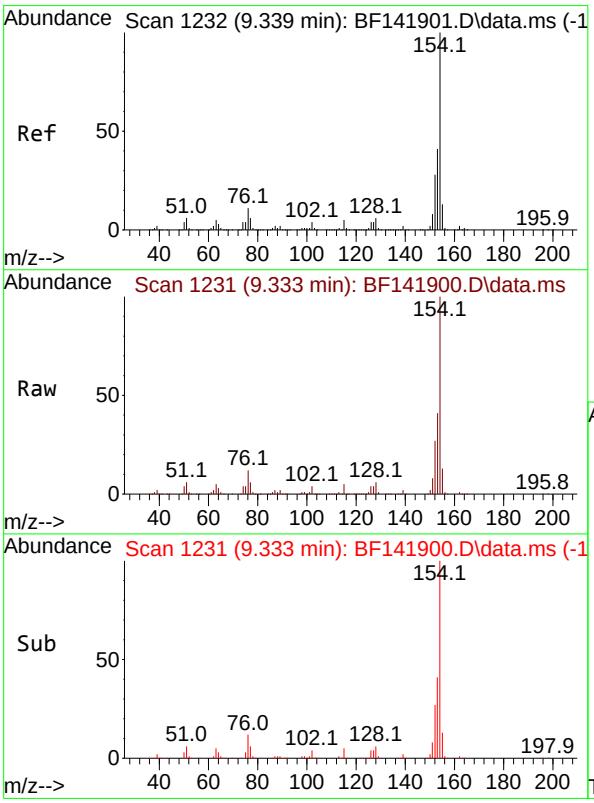

#45
2-Fluorobiphenyl
Concen: 42.002 ng
RT: 9.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:172 Resp: 1298709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.7 | 29.3 | 43.9 |
| 170 | 23.7 | 19.4 | 29.0 |

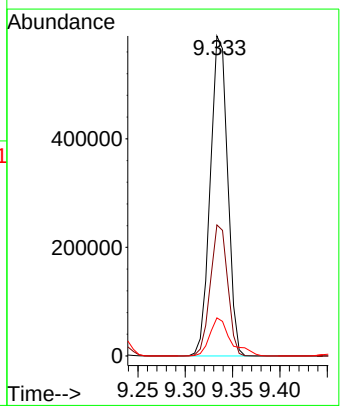


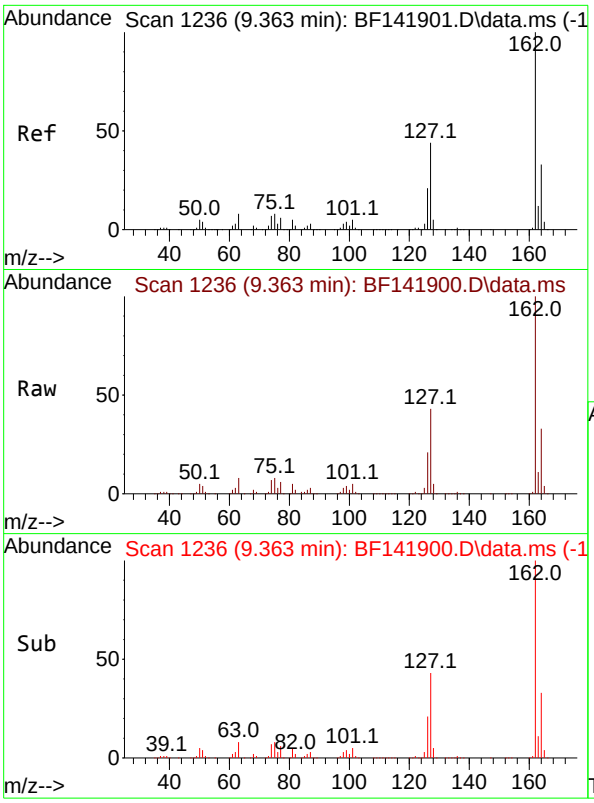




#46
1,1'-Biphenyl
Concen: 20.985 ng
RT: 9.333 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:154 Resp: 749087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.0 | 21.1 | 61.1 |
| 76 | 11.9 | 0.0 | 31.3 |



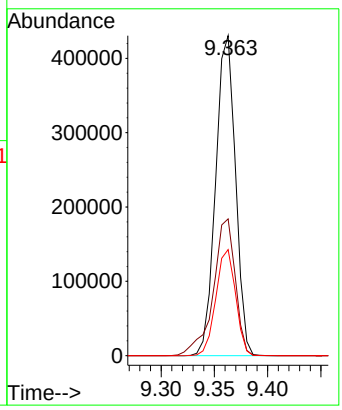


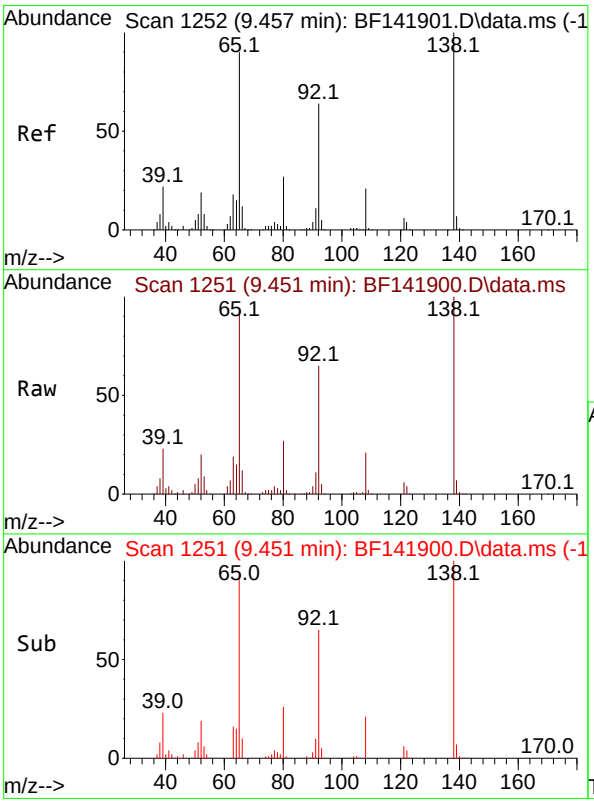

#47
2-Chloronaphthalene
Concen: 20.898 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:162 Resp: 555946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 42.8 | 35.5 | 53.3 |
| 164 | 33.1 | 26.6 | 40.0 |

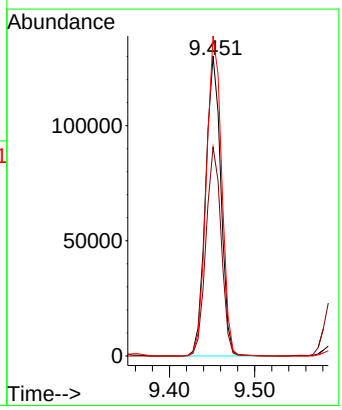


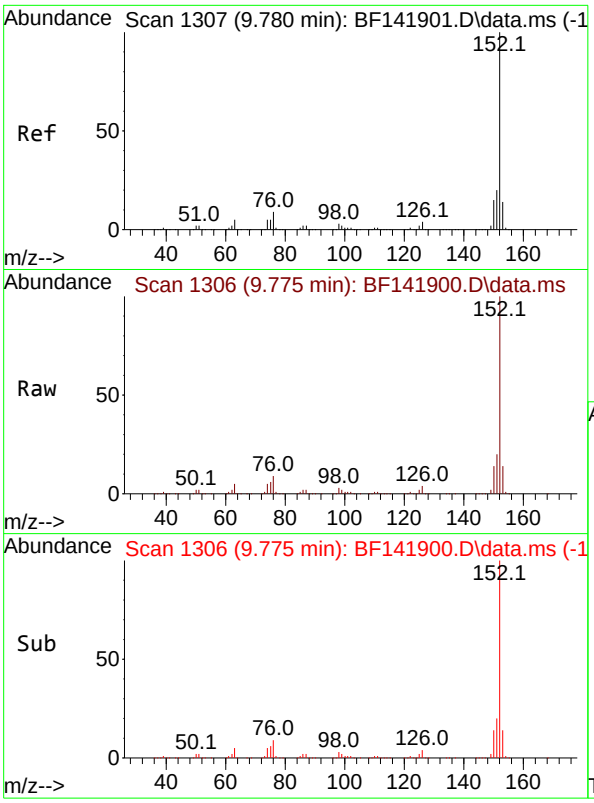




#48
2-Nitroaniline
Concen: 21.302 ng
RT: 9.451 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 65 Resp: 162790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 69.7 | 56.6 | 84.8 |
| 138 | 106.7 | 88.6 | 133.0 |



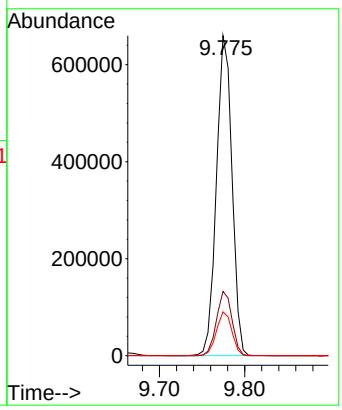


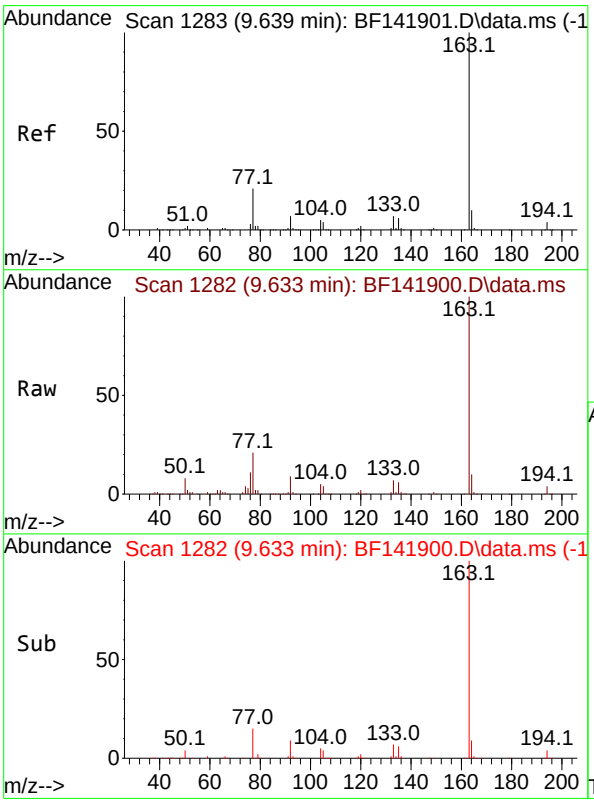

#49
Acenaphthylene
Concen: 21.222 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:152 Resp: 837016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.3 | 24.5 |
| 153 | 13.7 | 11.1 | 16.7 |

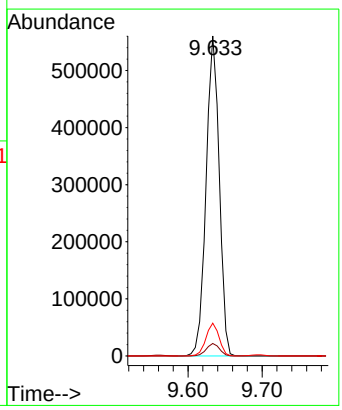


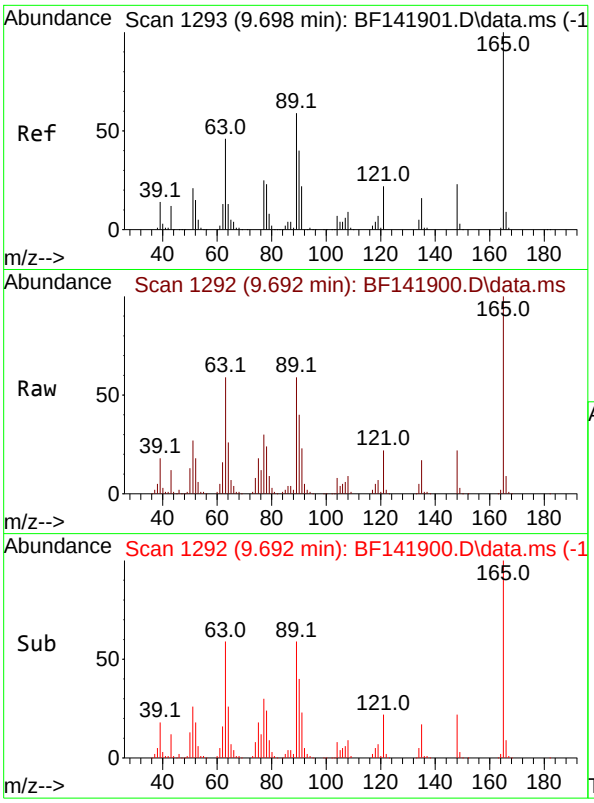




#50
Dimethylphthalate
Concen: 21.137 ng
RT: 9.633 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:163 Resp: 691454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.1 | 4.7 |
| 164 | 10.3 | 8.2 | 12.4 |



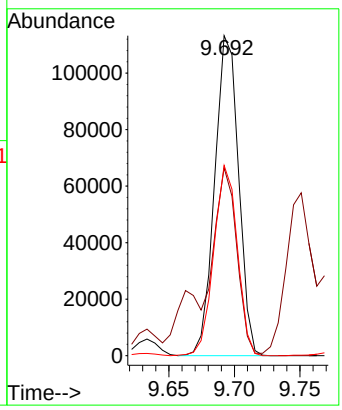


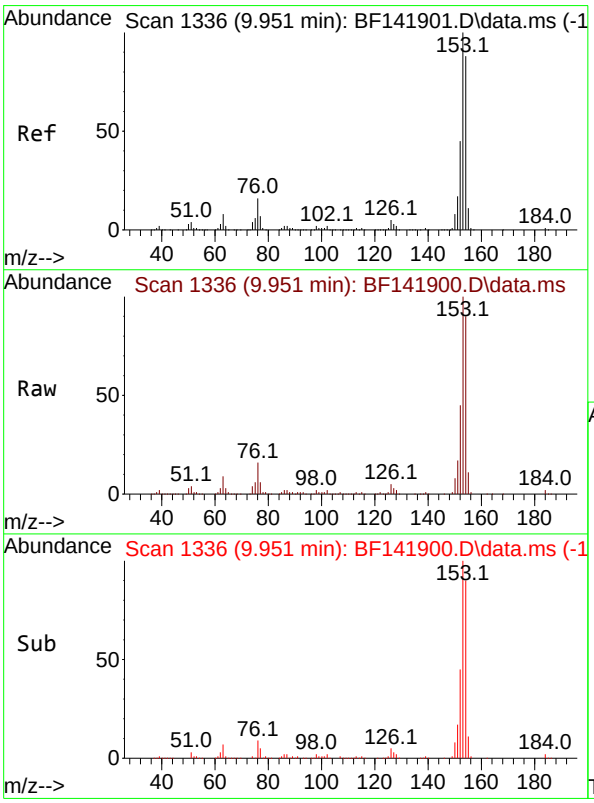

#51
2,6-Dinitrotoluene
Concen: 21.096 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:165 Resp: 143513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 58.7 | 47.0 | 70.4 |
| 89 | 59.5 | 47.4 | 71.2 |

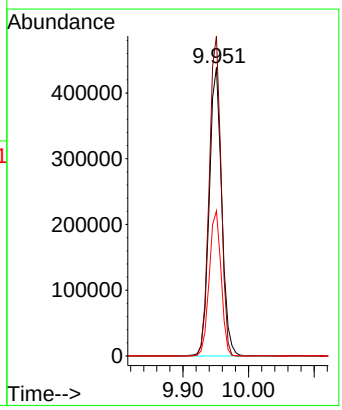


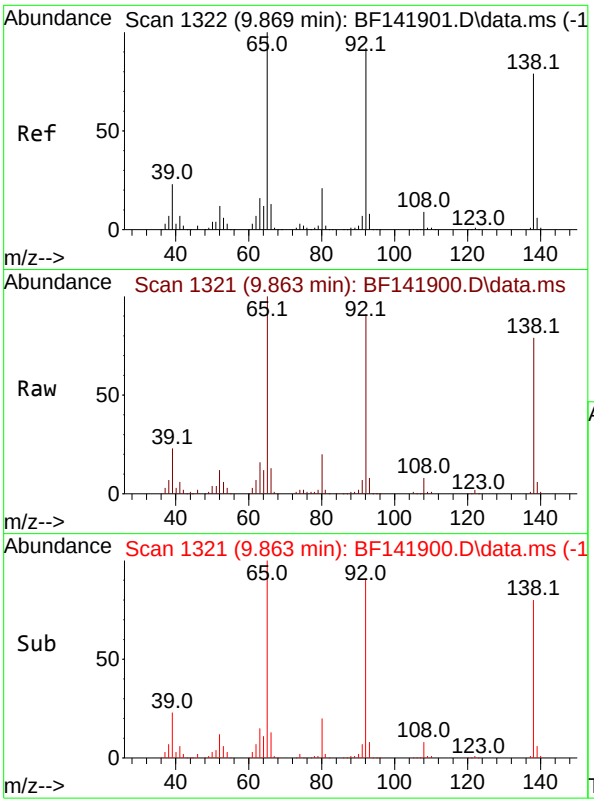




#52
Acenaphthene
Concen: 20.813 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:154 Resp: 579623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 110.9 | 90.7 | 136.1 |
| 152 | 50.3 | 41.1 | 61.7 |



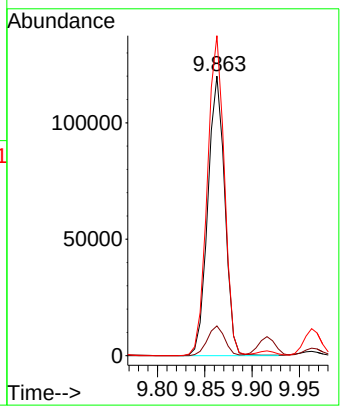


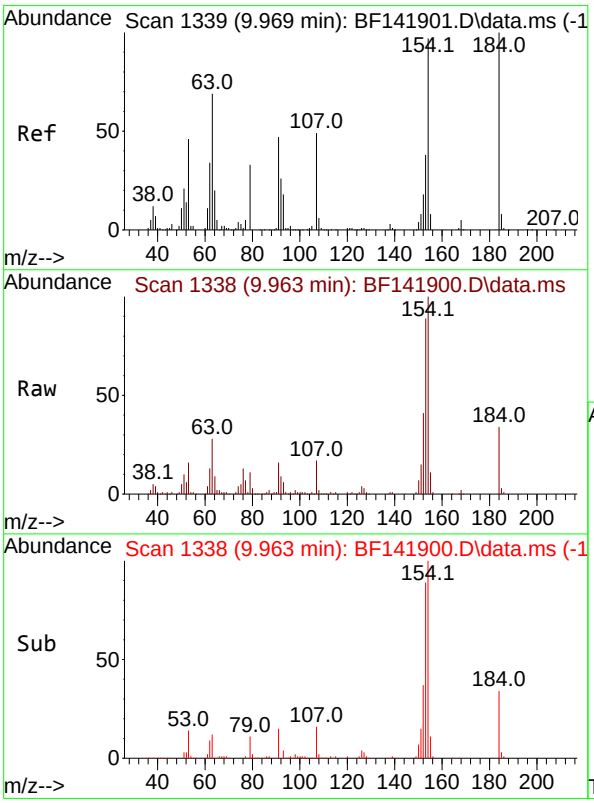

#53
3-Nitroaniline
Concen: 21.327 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:138 Resp: 148977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.6 | 9.3 | 13.9 |
| 92 | 114.5 | 93.5 | 140.3 |

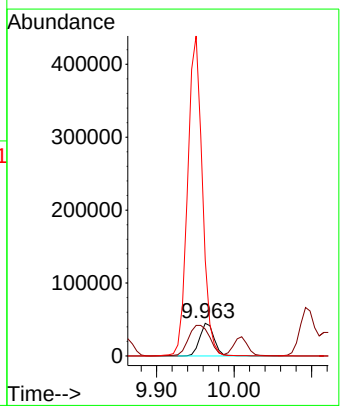


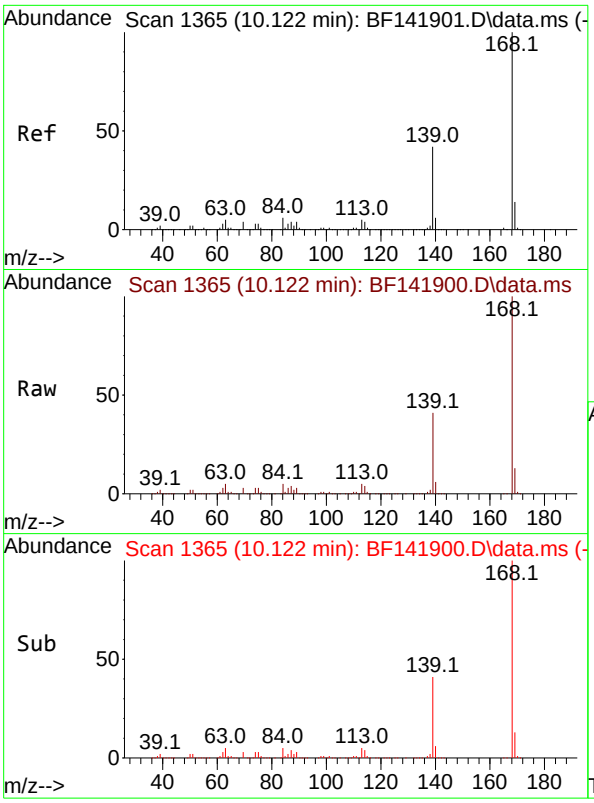




#54
2,4-Dinitrophenol
Concen: 20.368 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:184 Resp: 58223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 82.2 | 60.2 | 90.4 |
| 154 | 293.5 | 132.9 | 199.3# |



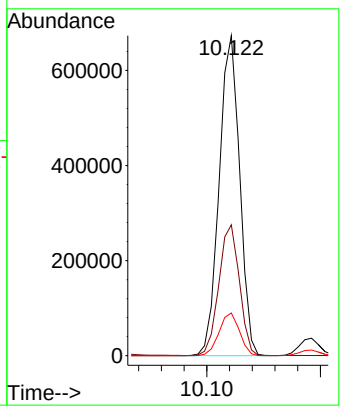


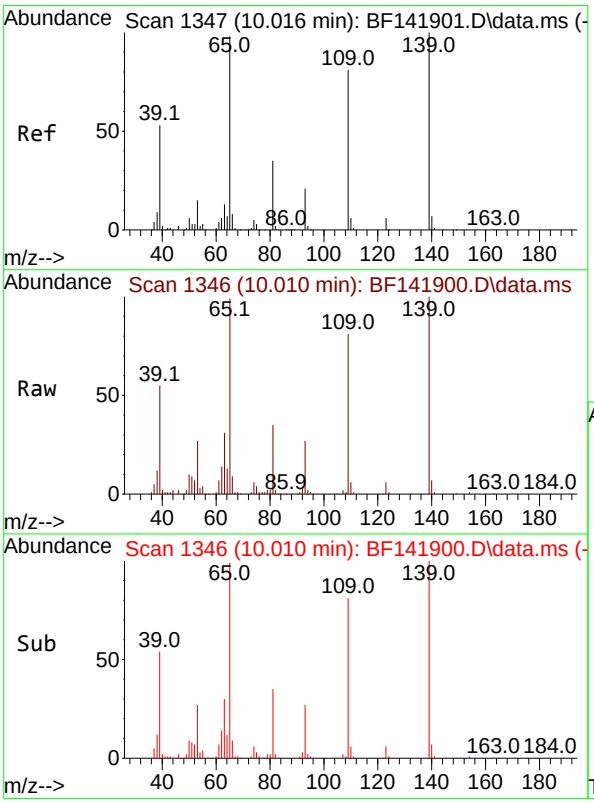

#55
Dibenzofuran
Concen: 21.238 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:168 Resp: 843359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 40.9 | 33.9 | 50.9 |
| 169 | 13.3 | 11.0 | 16.4 |

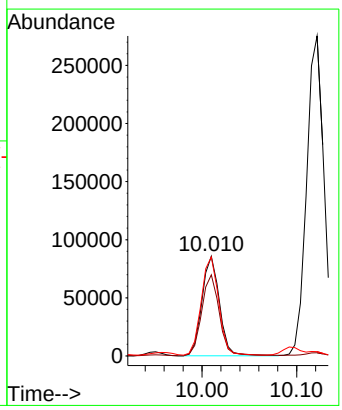


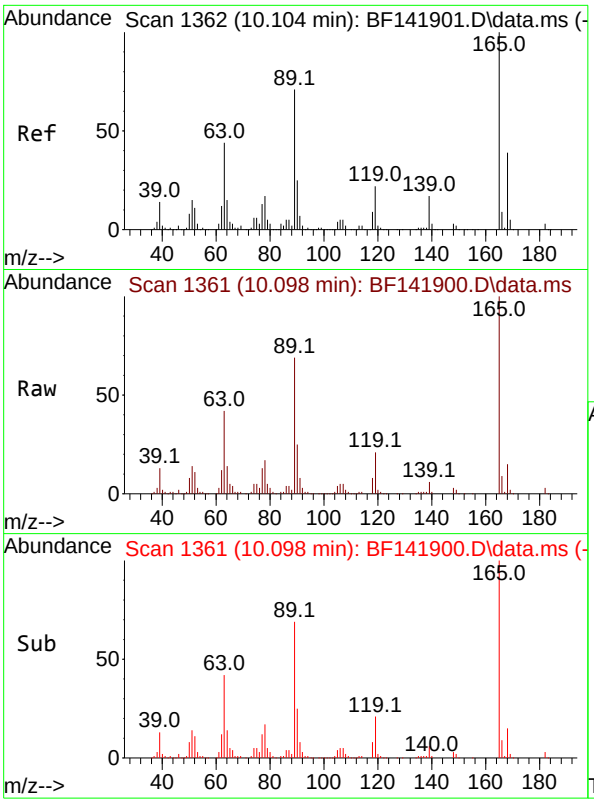




#56
4-Nitrophenol
Concen: 20.955 ng
RT: 10.010 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:139 Resp: 109958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 81.5 | 61.6 | 101.6 |
| 65 | 99.4 | 79.4 | 119.4 |



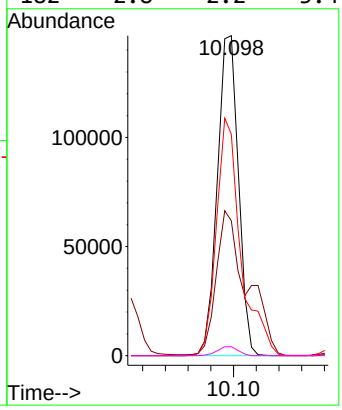


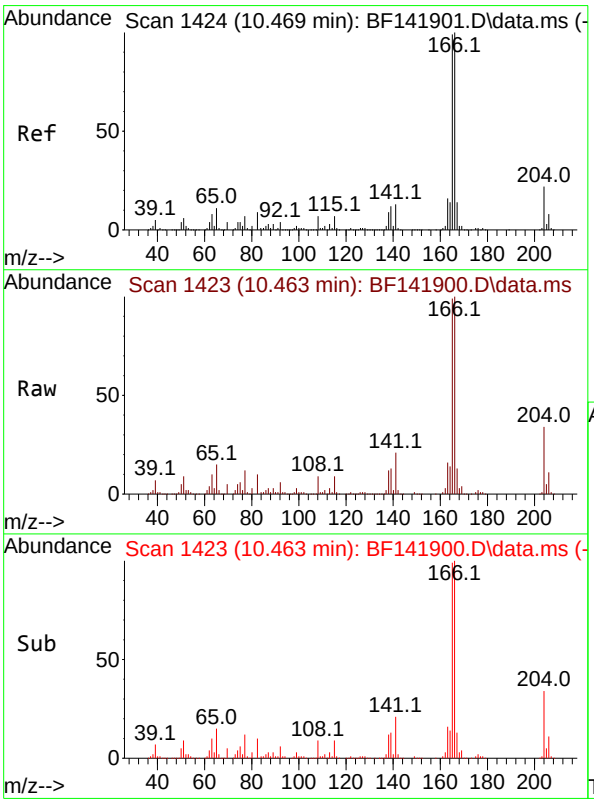

#57
2,4-Dinitrotoluene
Concen: 21.132 ng
RT: 10.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:165 Resp: 189234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 42.1 | 35.4 | 53.2 |
| 89 | 69.2 | 56.6 | 84.8 |
| 182 | 2.8 | 2.2 | 3.4 |

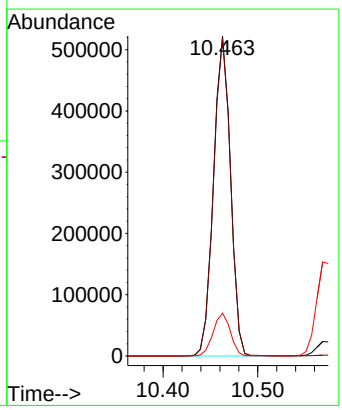


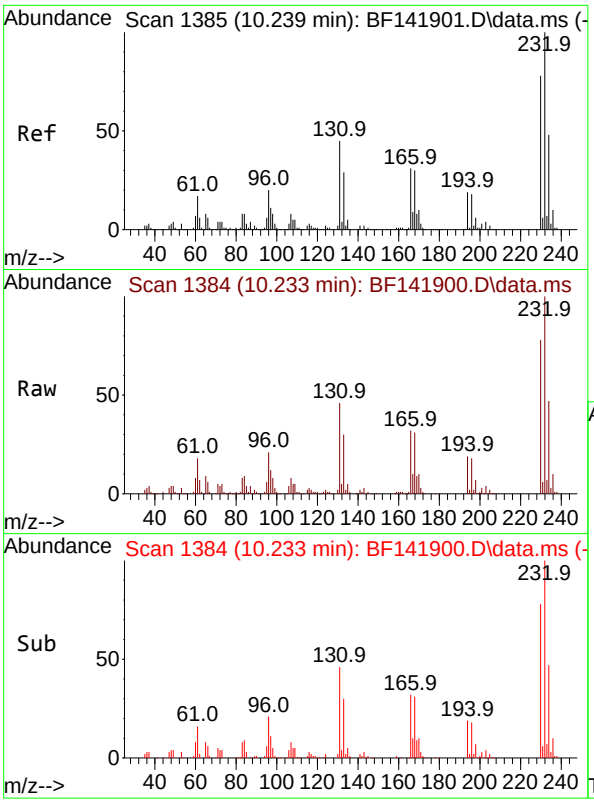




#58
Fluorene
Concen: 21.211 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:166 Resp: 650245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.2 | 79.0 | 118.4 |
| 167 | 13.4 | 11.0 | 16.4 |



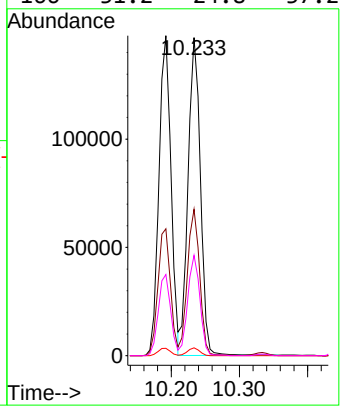


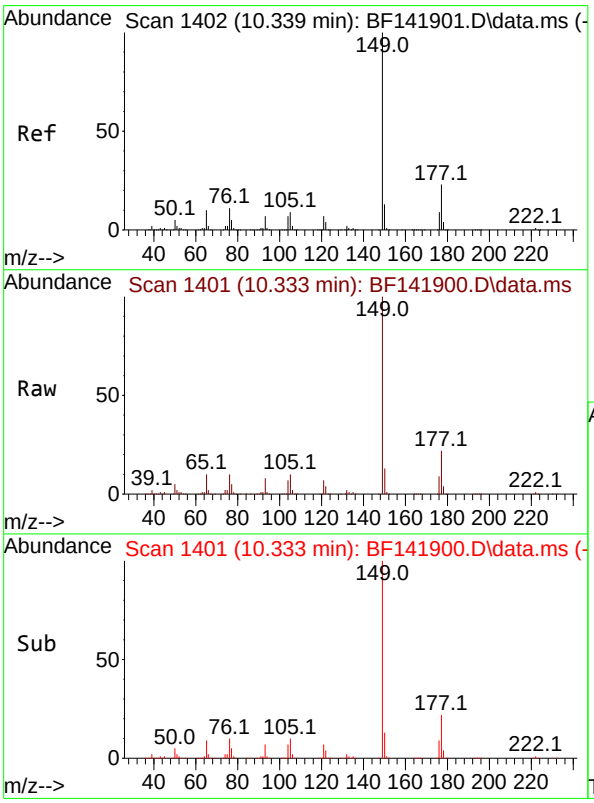

#59
2,3,4,6-Tetrachlorophenol
Concen: 21.272 ng
RT: 10.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:232 Resp: 183513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.0 | 37.3 | 55.9 |
| 130 | 2.4 | 1.9 | 2.9 |
| 166 | 31.2 | 24.8 | 37.2 |

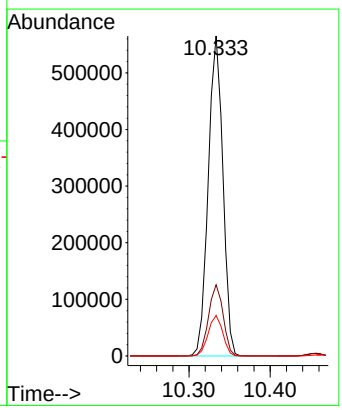


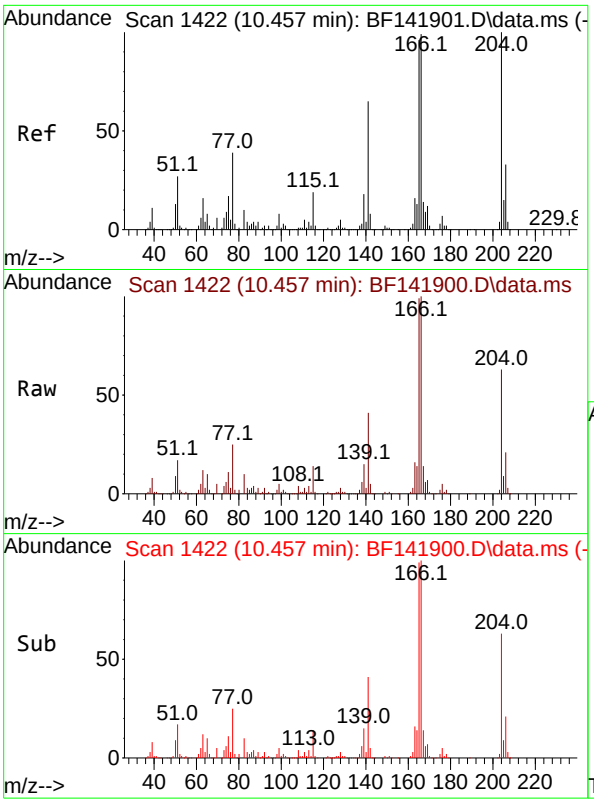




#60
Diethylphthalate
Concen: 21.468 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:149 Resp: 704993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.3 | 18.0 | 27.0 |
| 150 | 12.6 | 10.2 | 15.4 |



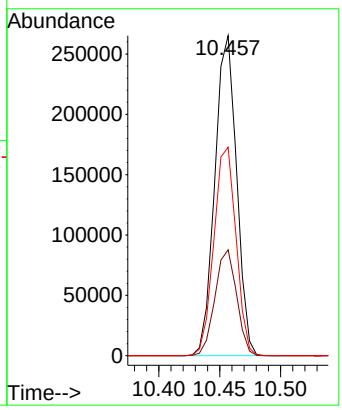


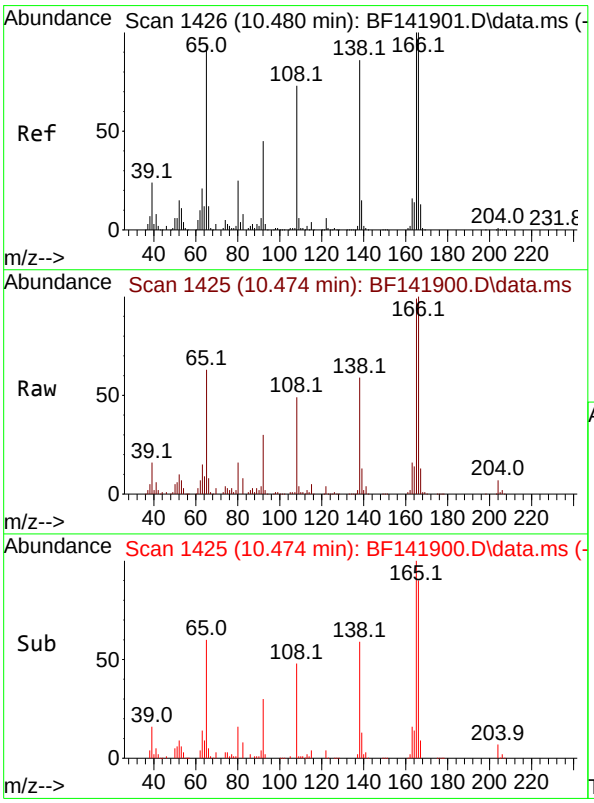

#61
4-Chlorophenyl-phenylether
Concen: 20.698 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:204 Resp: 330489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.1 | 26.8 | 40.2 |
| 141 | 65.1 | 52.4 | 78.6 |

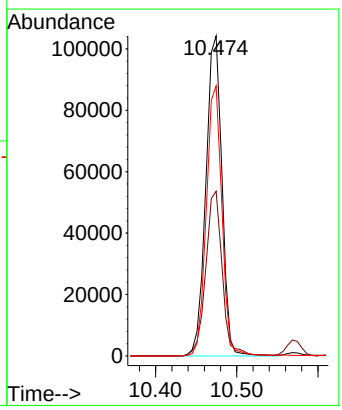


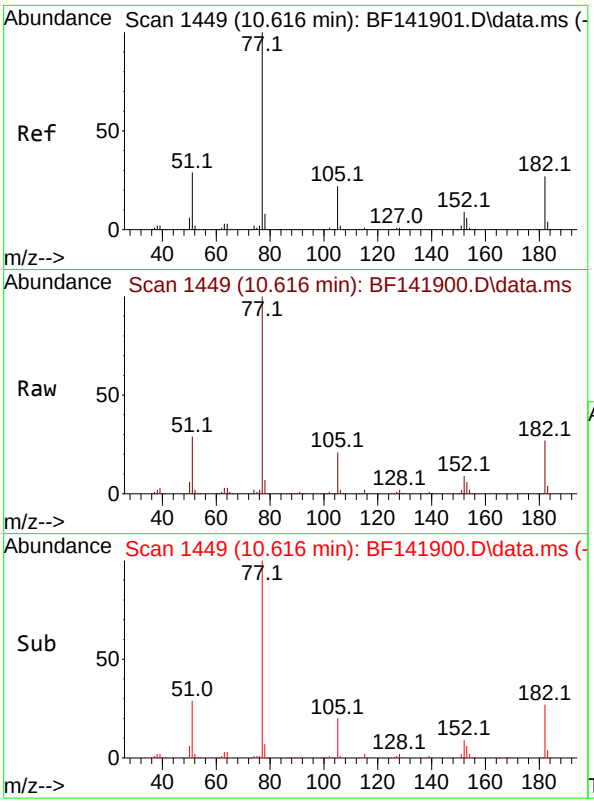




#62
4-Nitroaniline
Concen: 21.125 ng
RT: 10.474 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:138 Resp: 142995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 51.4 | 32.6 | 72.6 |
| 108 | 84.4 | 65.0 | 105.0 |



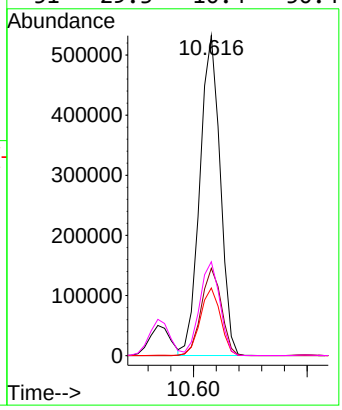


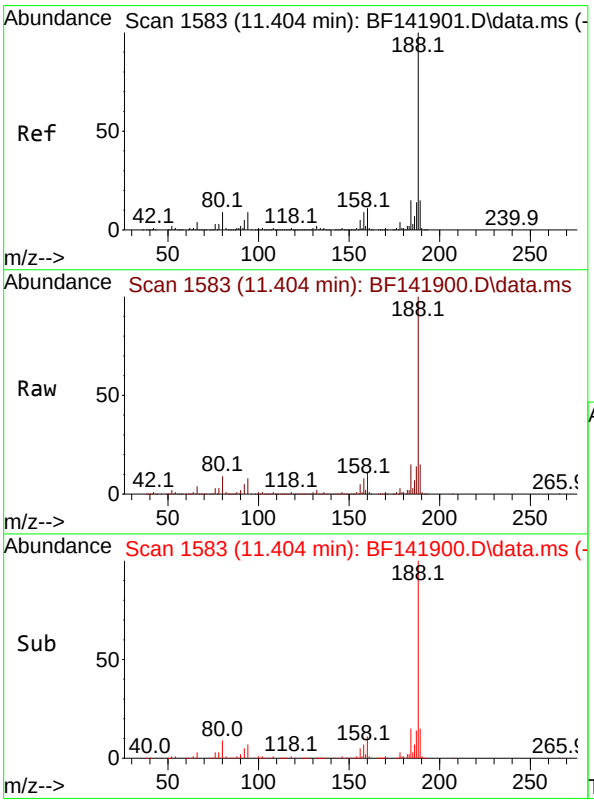

#63
Azobenzene
Concen: 21.665 ng
RT: 10.616 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion: 77 Resp: 660935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 27.3 | 6.6 | 46.6 |
| 105 | 21.2 | 1.3 | 41.3 |
| 51 | 29.3 | 10.4 | 50.4 |

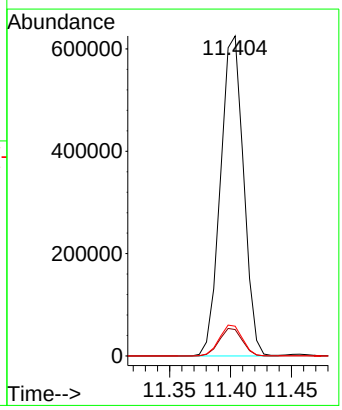


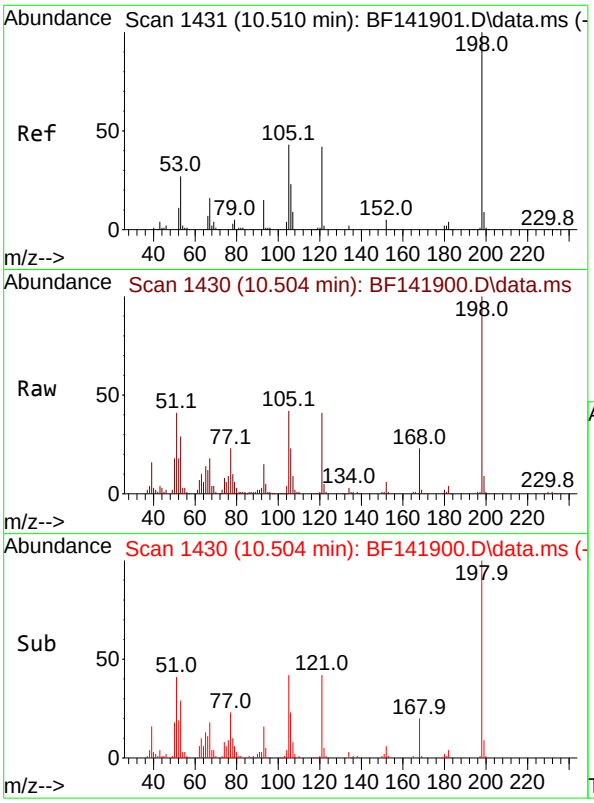




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:188 Resp: 826085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.2 | 6.8 | 10.2 |
| 80 | 9.3 | 7.6 | 11.4 |



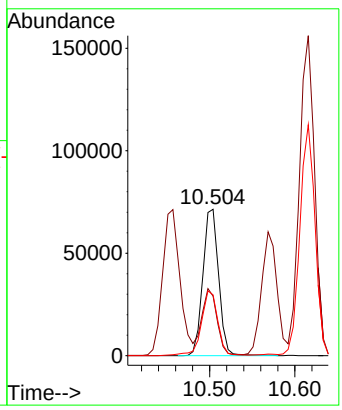


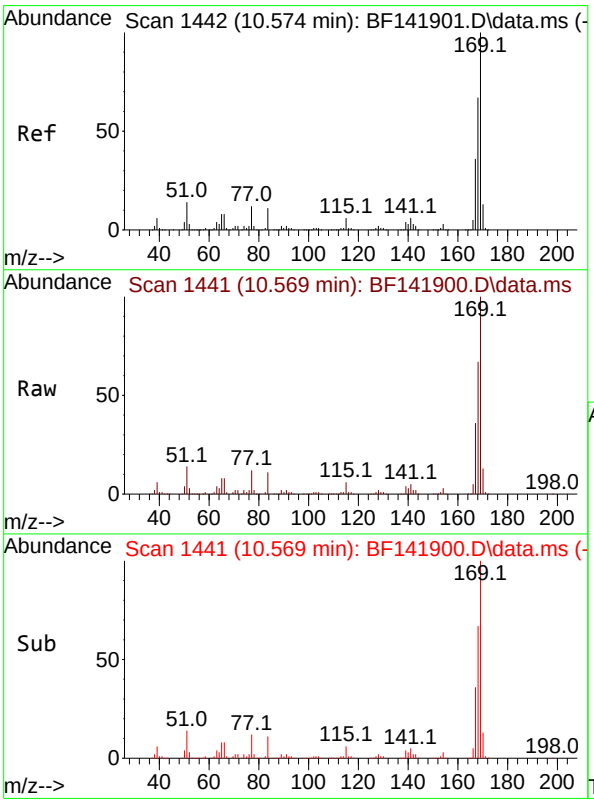

#65
4,6-Dinitro-2-methylphenol
Concen: 18.755 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:198 Resp: 91852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 40.7 | 22.3 | 62.3 |
| 105 | 41.6 | 23.0 | 63.0 |

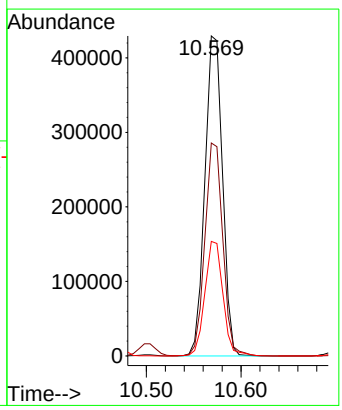


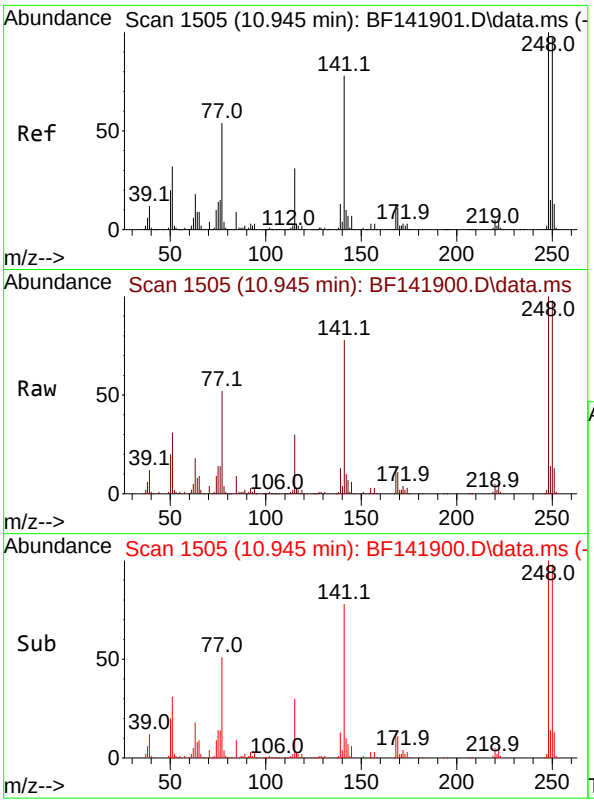




#66
n-Nitrosodiphenylamine
Concen: 20.756 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:169 Resp: 553905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.6 | 53.7 | 80.5 |
| 167 | 35.8 | 29.2 | 43.8 |



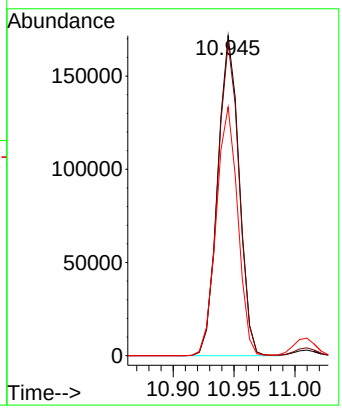


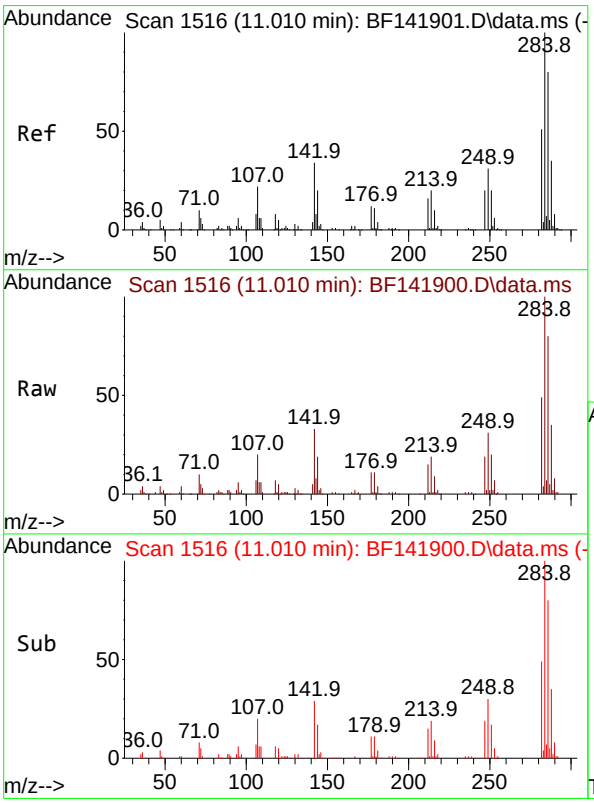

#67
4-Bromophenyl-phenylether
Concen: 20.436 ng
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:248 Resp: 210241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.7 | 77.8 | 116.8 |
| 141 | 77.7 | 62.6 | 93.8 |

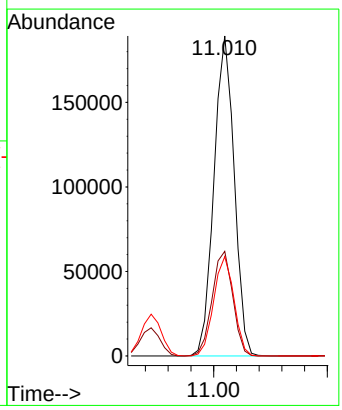


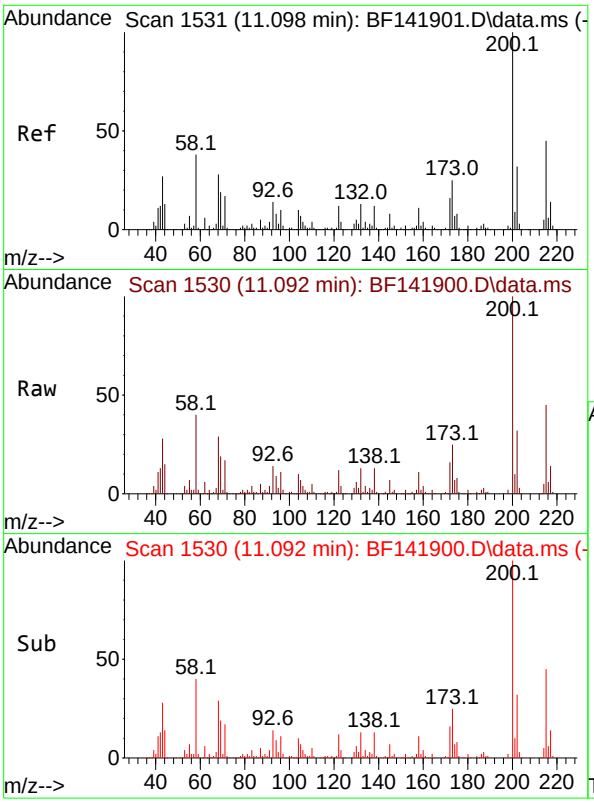




#68
Hexachlorobenzene
Concen: 20.613 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:284 Resp: 234399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.7 | 27.0 | 40.6 |
| 249 | 31.1 | 25.2 | 37.8 |



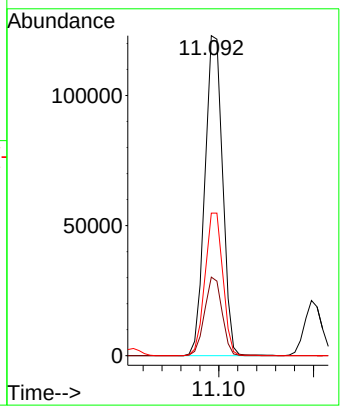


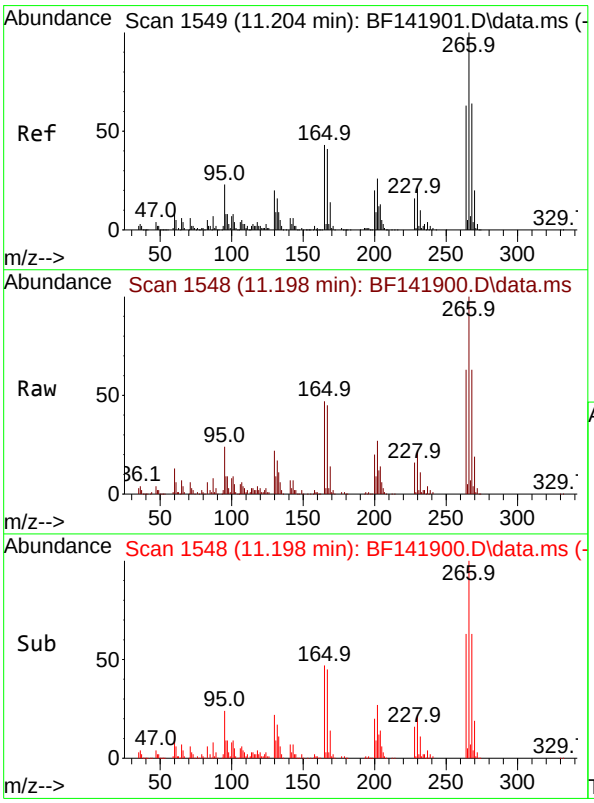

#69
Atrazine
Concen: 24.481 ng
RT: 11.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:200 Resp: 159306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 24.6 | 4.7 | 44.7 |
| 215 | 44.5 | 25.4 | 65.4 |

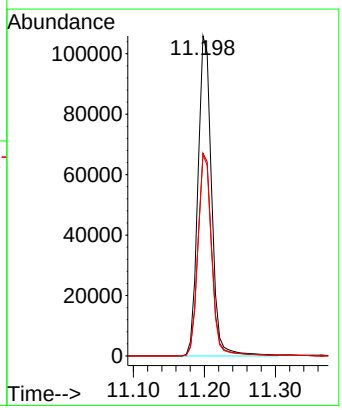


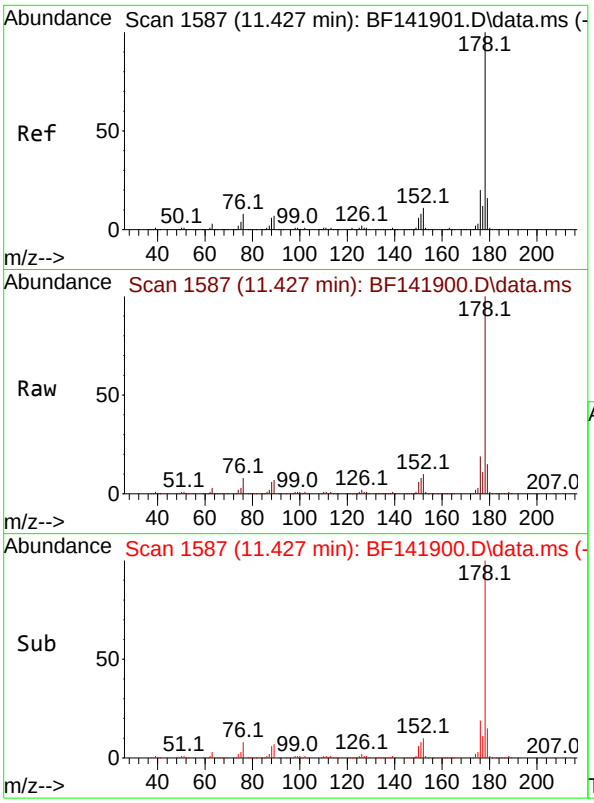




#70
Pentachlorophenol
Concen: 20.227 ng
RT: 11.198 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:266 Resp: 141842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.4 | 51.0 | 76.6 |
| 264 | 62.9 | 50.2 | 75.2 |



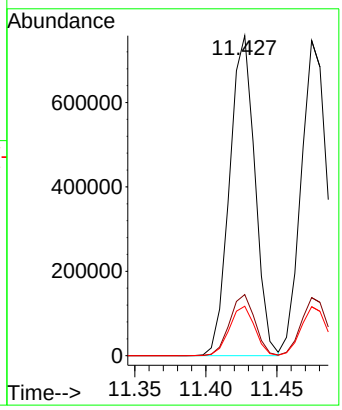


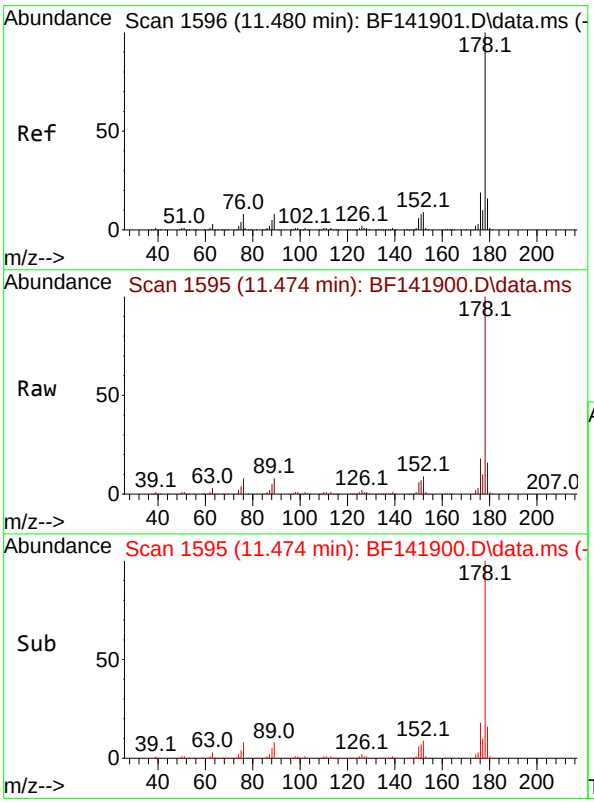

#71
Phenanthrene
Concen: 21.038 ng
RT: 11.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:178 Resp: 939782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 15.8 | 23.8 |
| 179 | 15.5 | 12.6 | 19.0 |

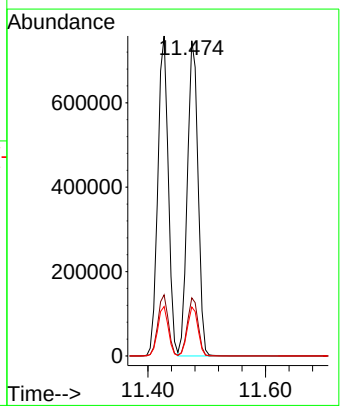


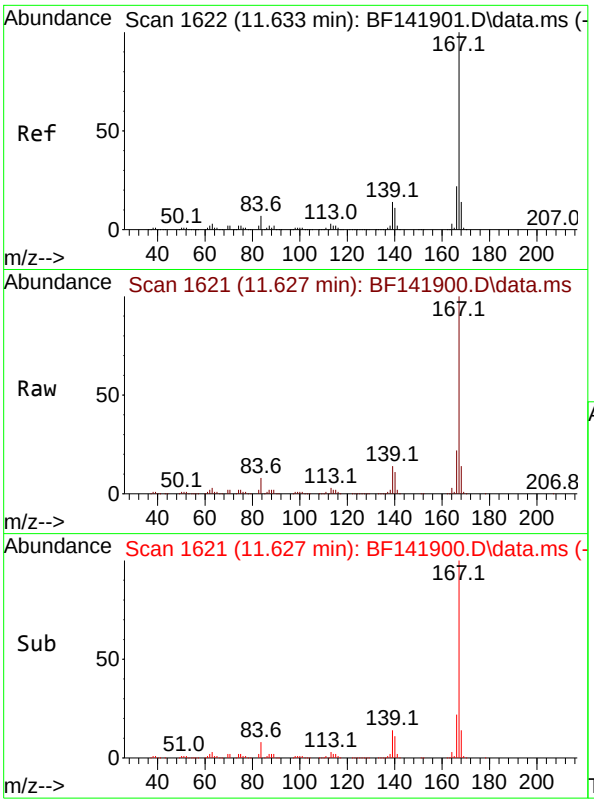




#72
Anthracene
Concen: 20.993 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:178 Resp: 940875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.4 | 15.1 | 22.7 |
| 179 | 15.5 | 12.6 | 19.0 |



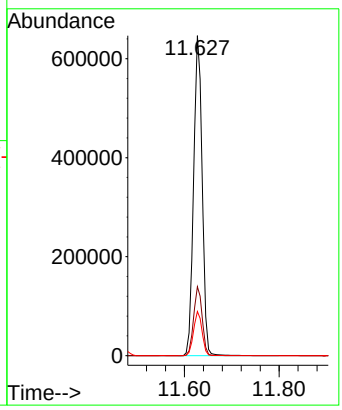


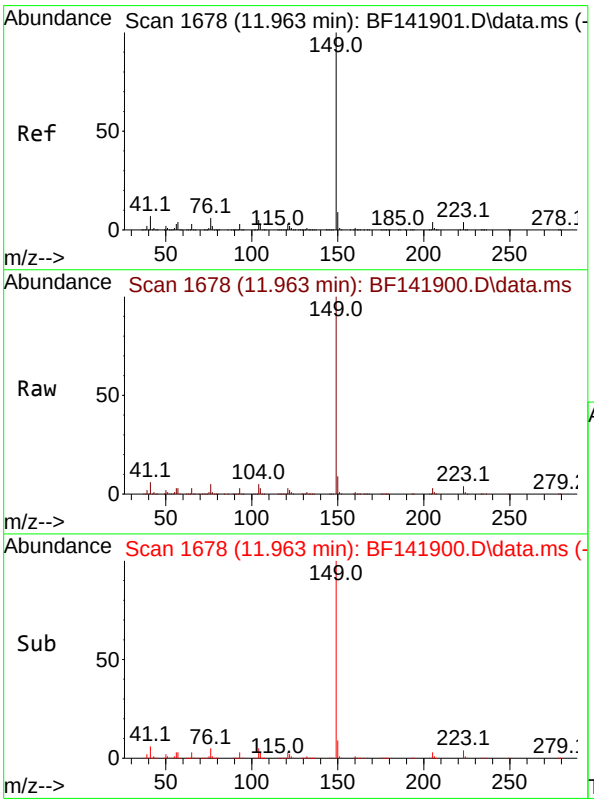

#73
Carbazole
Concen: 21.096 ng
RT: 11.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:167 Resp: 813998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.5 | 17.4 | 26.2 |
| 139 | 13.8 | 11.0 | 16.6 |

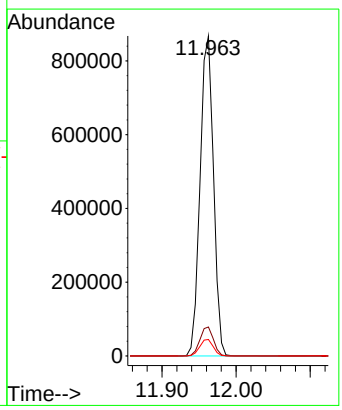


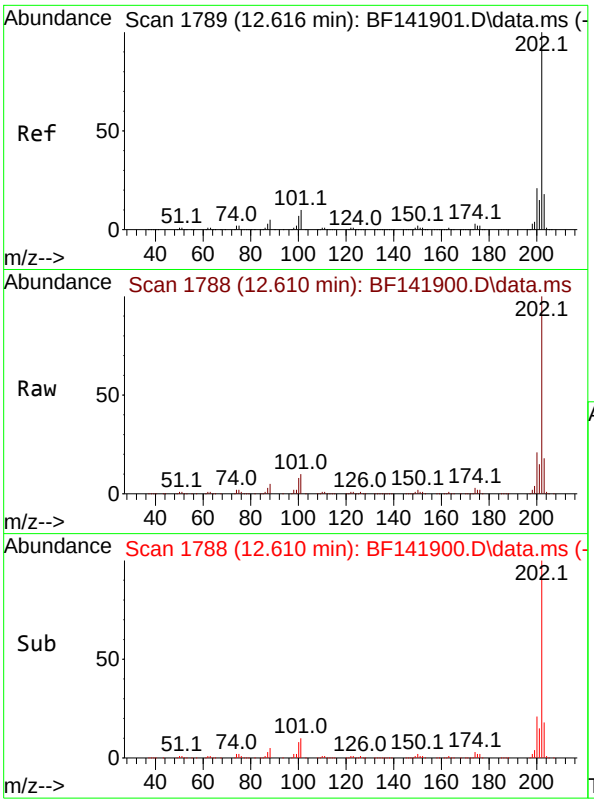




#74
Di-n-butylphthalate
Concen: 21.382 ng
RT: 11.963 min Scan# 1678
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:149 Resp: 1089304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.1 | 7.6 | 11.4 |
| 104 | 5.2 | 4.4 | 6.6 |



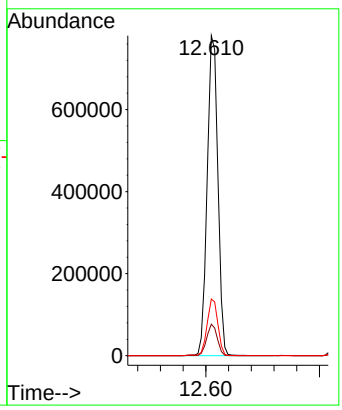


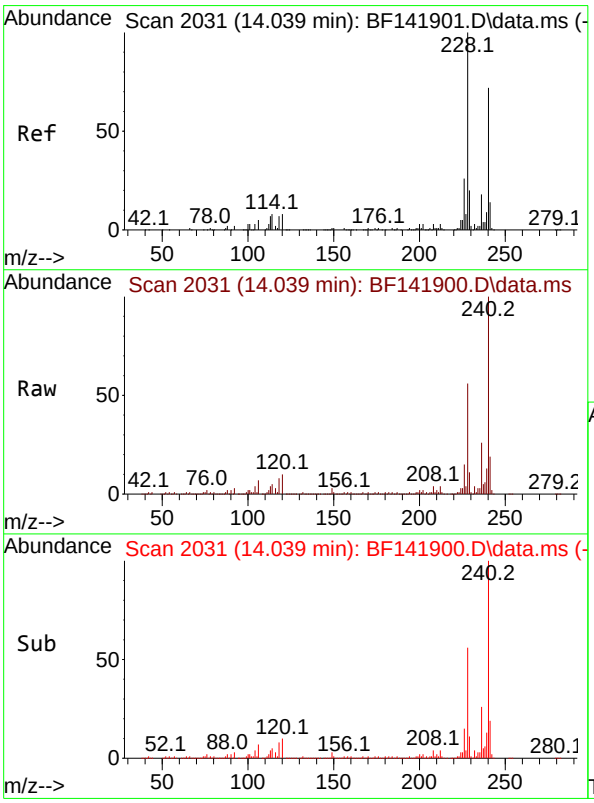

#75
Fluoranthene
Concen: 21.632 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:202 Resp: 1014464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.9 | 0.0 | 29.7 |
| 203 | 17.7 | 0.0 | 37.8 |

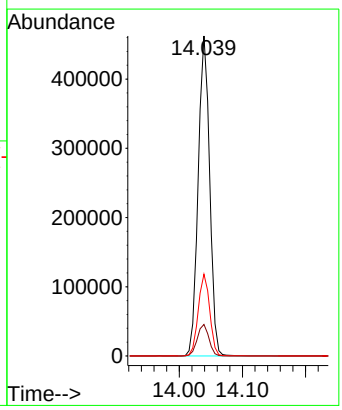


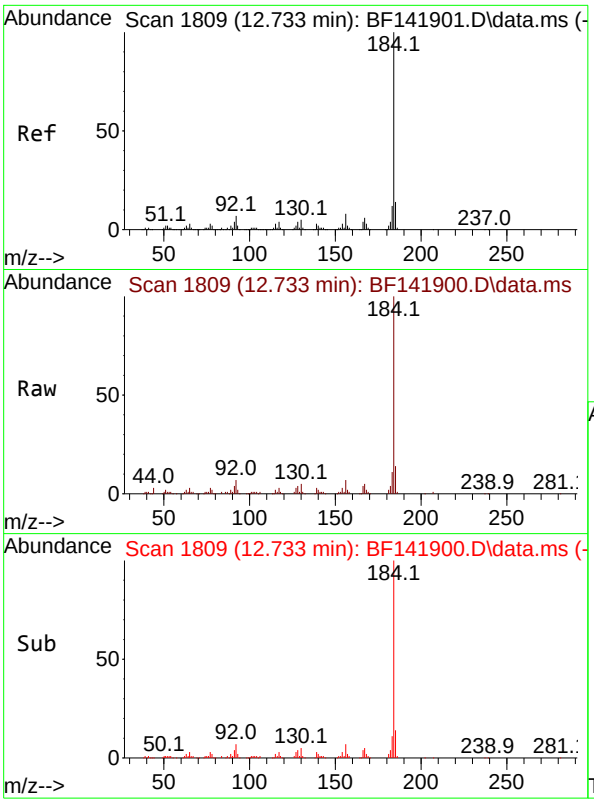




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:240 Resp: 581591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.9 | 8.4 | 12.6 |
| 236 | 25.6 | 20.5 | 30.7 |



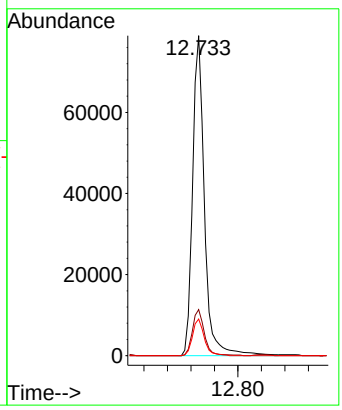


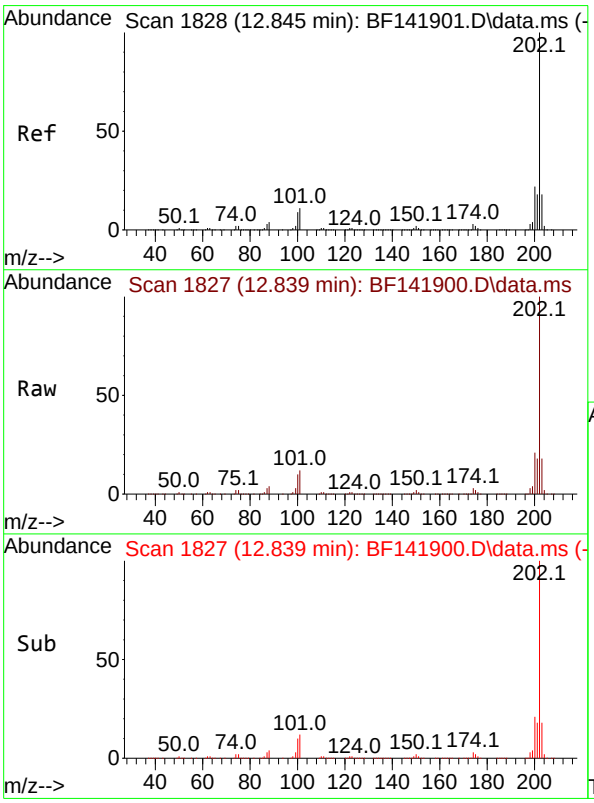

#77
Benzidine
Concen: 13.463 ng
RT: 12.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:184 Resp: 110648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.4 | 11.5 | 17.3 |
| 183 | 11.5 | 9.7 | 14.5 |

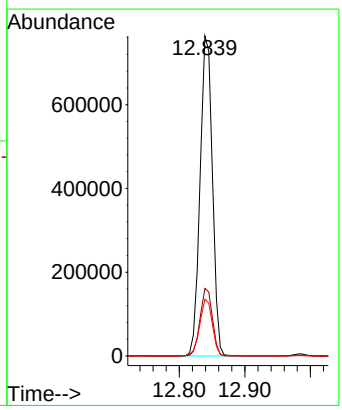


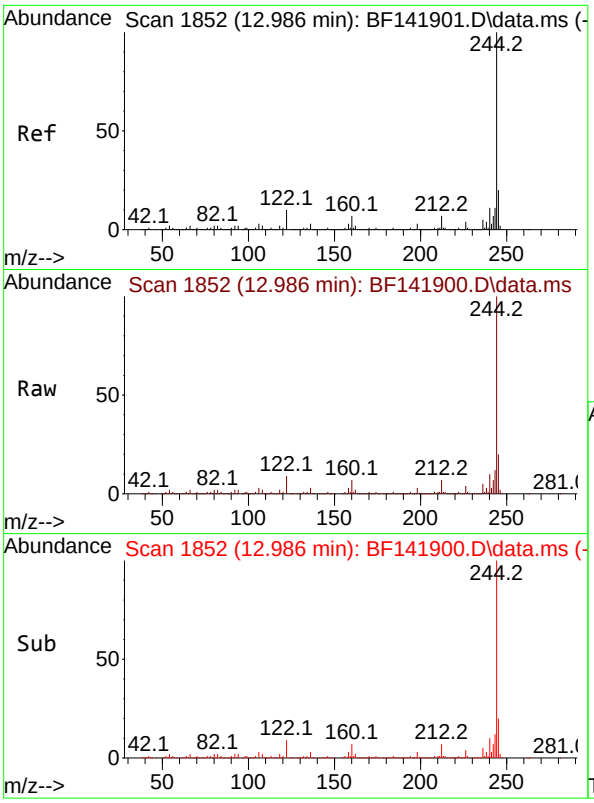




#78
Pyrene
Concen: 20.133 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:202 Resp: 1004157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 17.3 | 25.9 |
| 203 | 17.7 | 14.4 | 21.6 |



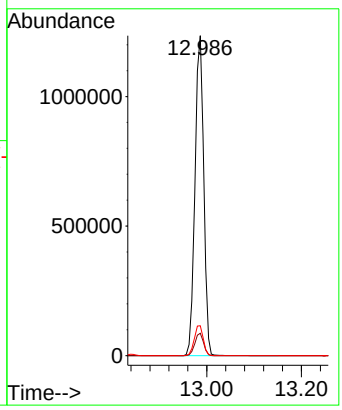


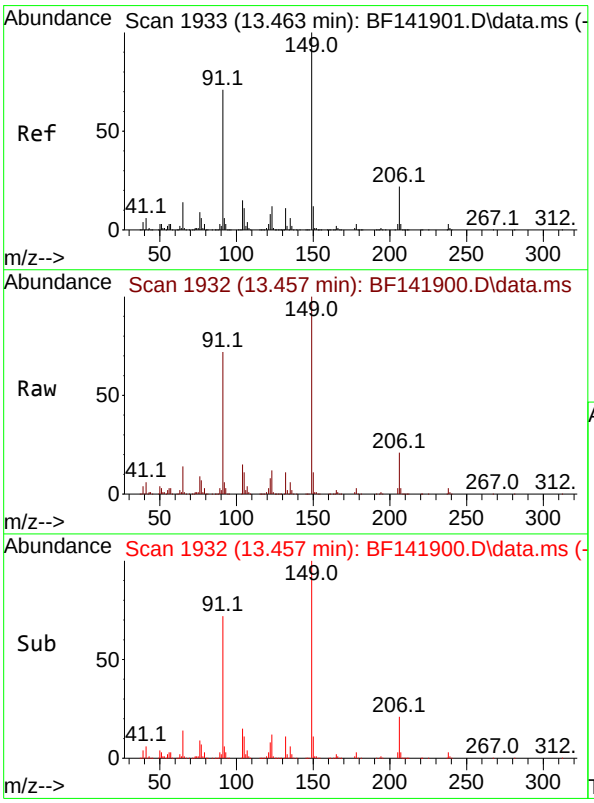

#79
Terphenyl-d14
Concen: 40.218 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:244 Resp: 1582373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 6.0 | 9.0 |
| 122 | 9.4 | 7.7 | 11.5 |

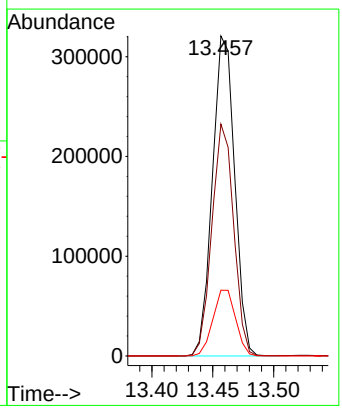


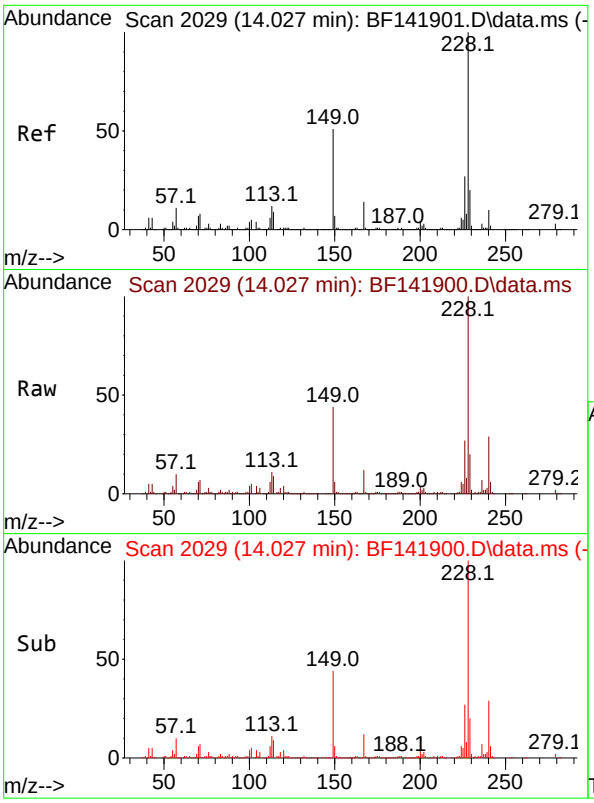




#80
Butylbenzylphthalate
Concen: 20.761 ng
RT: 13.457 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:149 Resp: 408044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 72.5 | 56.5 | 84.7 |
| 206 | 20.5 | 17.3 | 25.9 |



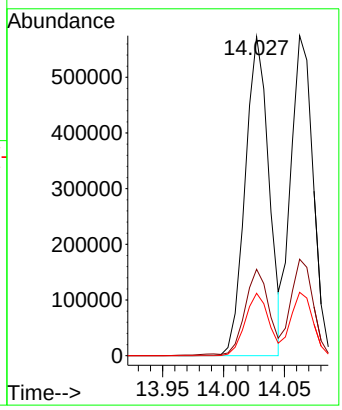


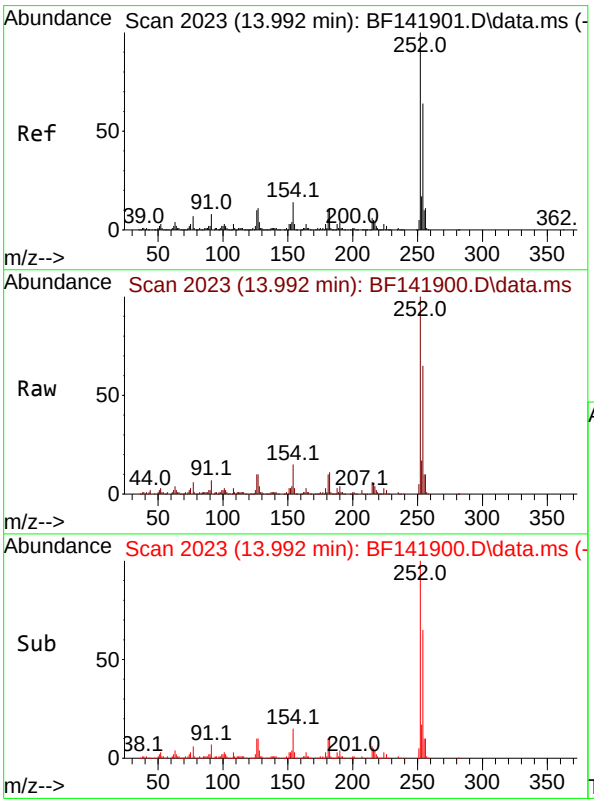

#81
Benzo(a)anthracene
Concen: 20.285 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:228 Resp: 776120

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

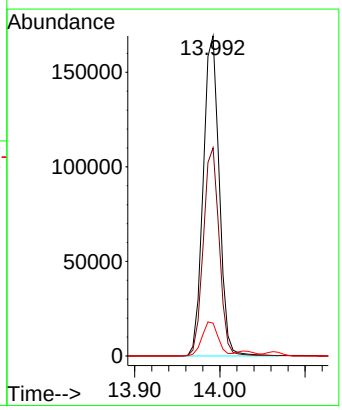


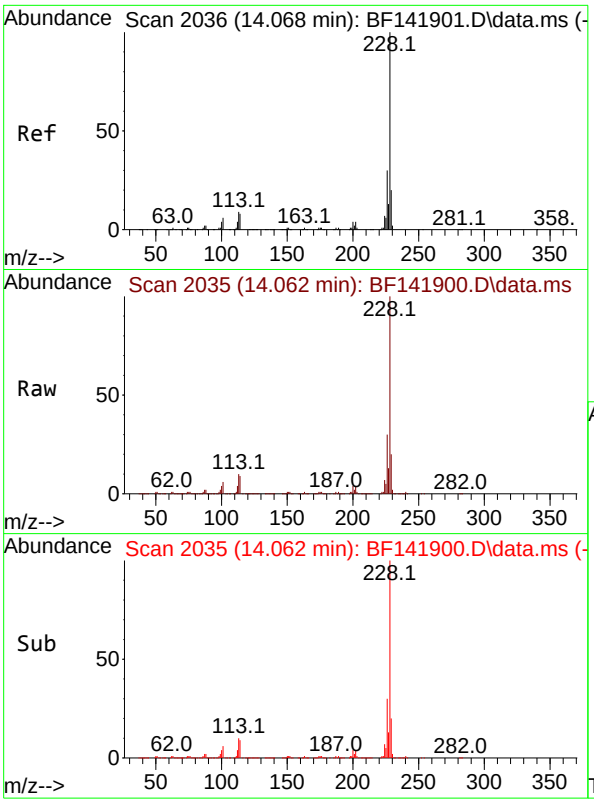




#82
3,3'-Dichlorobenzidine
Concen: 19.999 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:252 Resp: 221168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 65.0 | 51.0 | 76.6 |
| 126 | 10.2 | 8.4 | 12.6 |



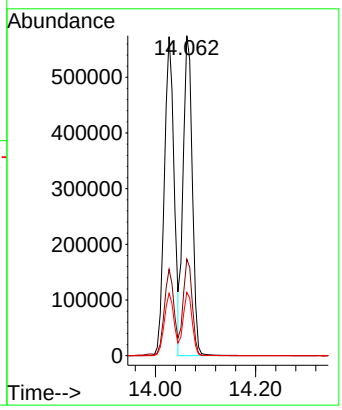


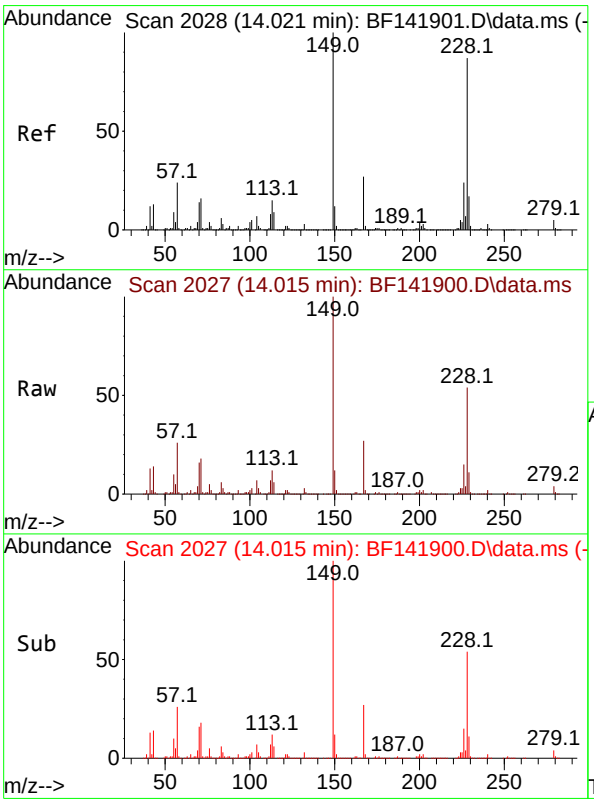

#83
Chrysene
Concen: 21.325 ng
RT: 14.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:228 Resp: 732966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 24.1 | 36.1 |
| 229 | 19.8 | 15.7 | 23.5 |

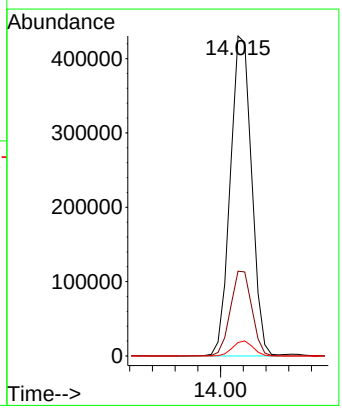


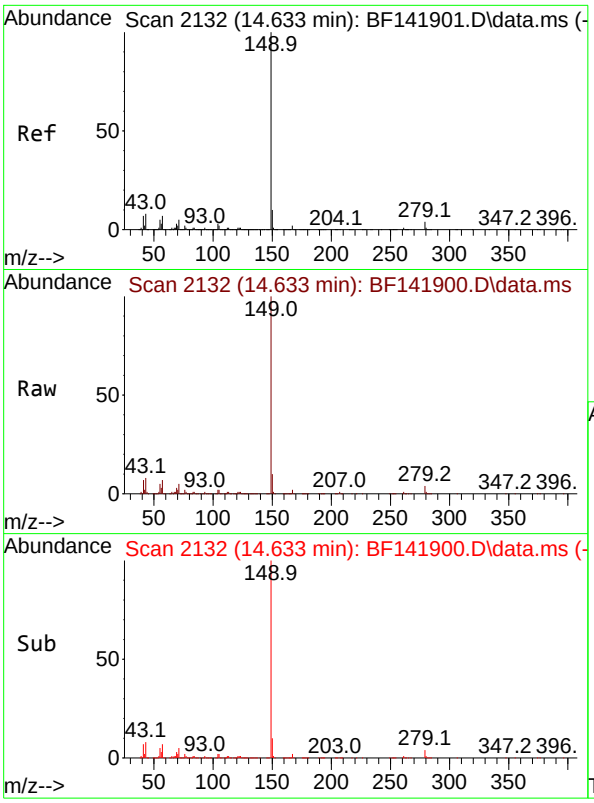




#84
Bis(2-ethylhexyl)phthalate
Concen: 20.845 ng
RT: 14.015 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:149 Resp: 562062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.5 | 21.4 | 32.0 |
| 279 | 4.2 | 3.8 | 5.6 |



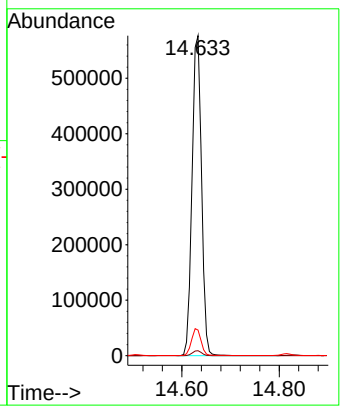


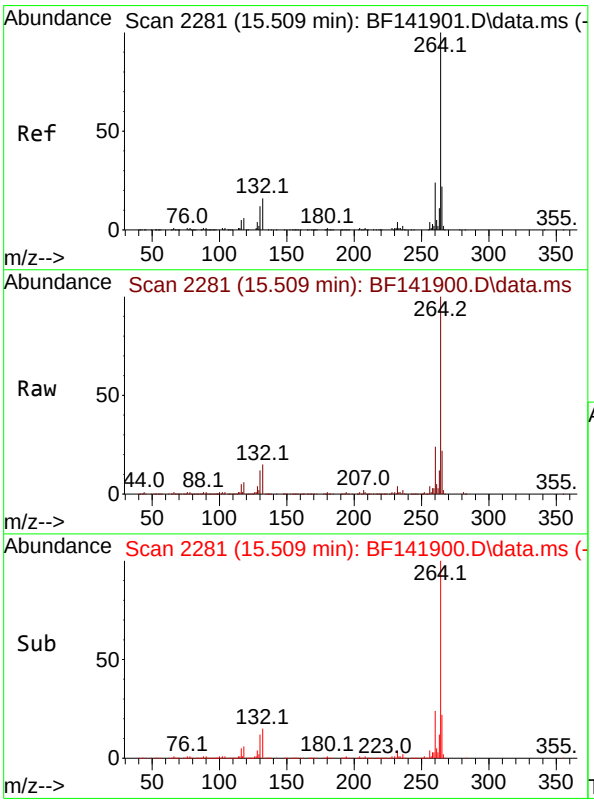

#85
Di-n-octyl phthalate
Concen: 20.740 ng
RT: 14.633 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:149 Resp: 778373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.3 | 1.9 |
| 43 | 8.5 | 6.9 | 10.3 |

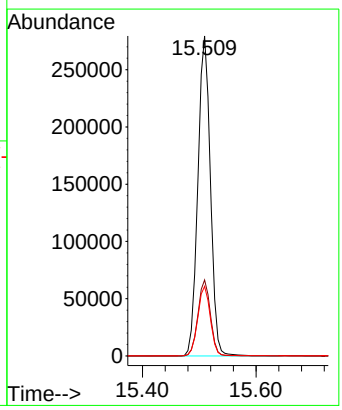


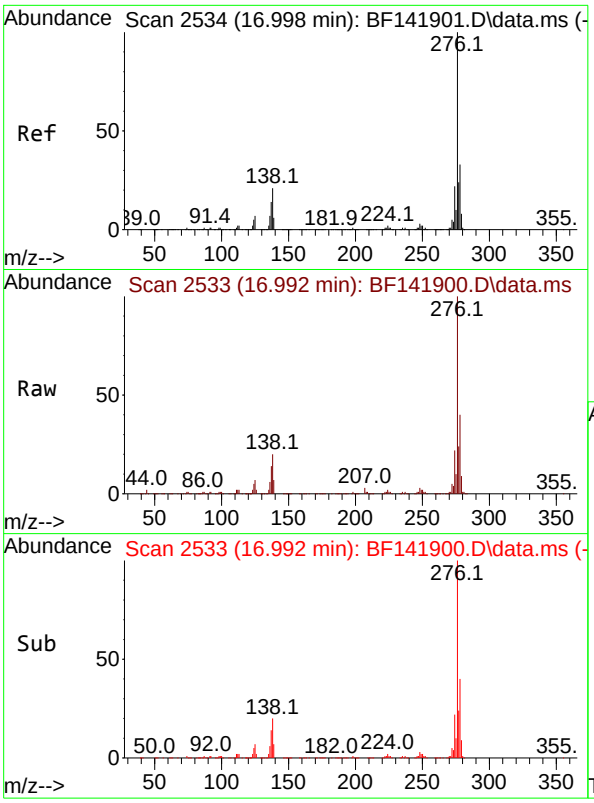




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:264 Resp: 428960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 19.1 | 28.7 |
| 265 | 21.7 | 17.5 | 26.3 |



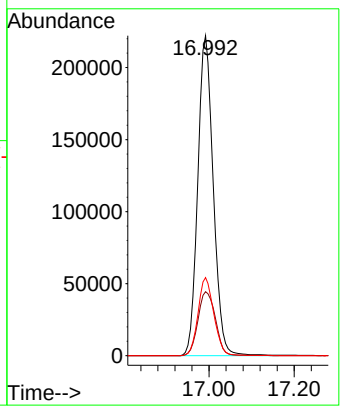


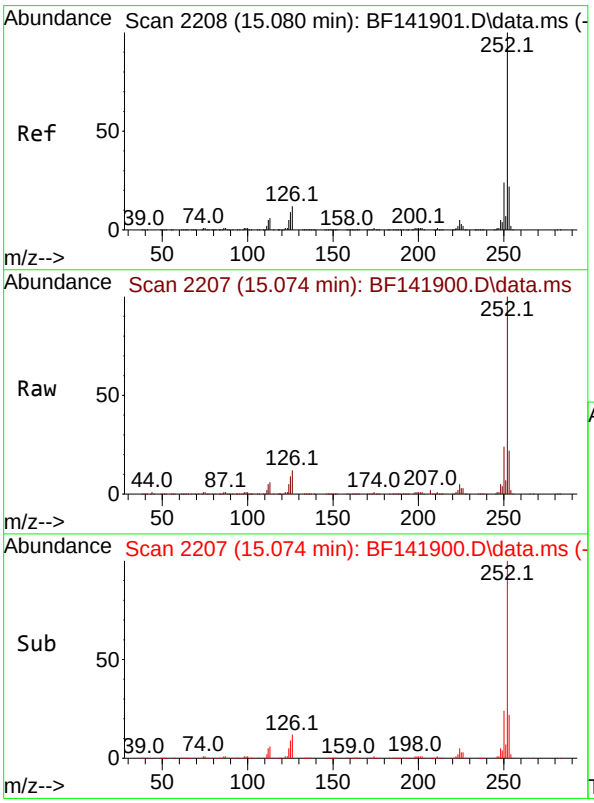

#87
Indeno(1,2,3-cd)pyrene
Concen: 20.163 ng
RT: 16.992 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:276 Resp: 560913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.6 | 18.4 | 27.6 |
| 277 | 24.9 | 20.3 | 30.5 |

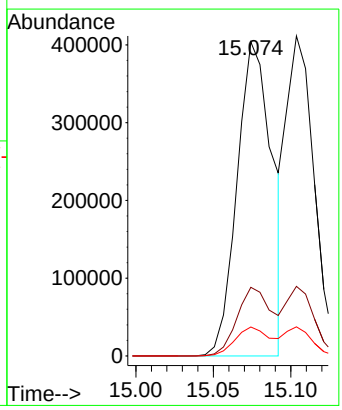


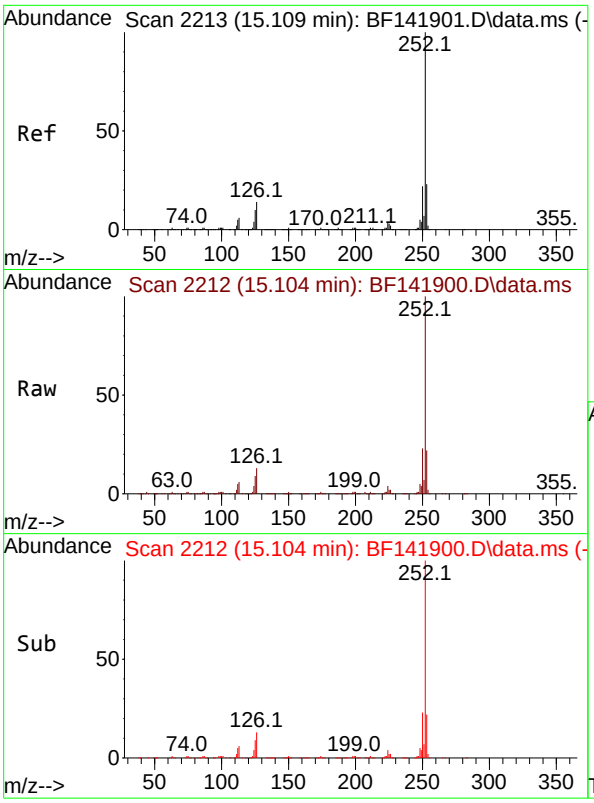




#88
Benzo(b)fluoranthene
Concen: 21.886 ng
RT: 15.074 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:252 Resp: 636808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.5 | 26.3 |
| 125 | 9.2 | 7.0 | 10.4 |



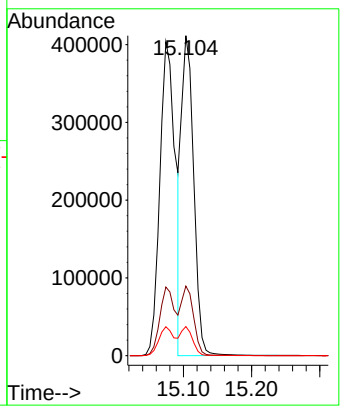


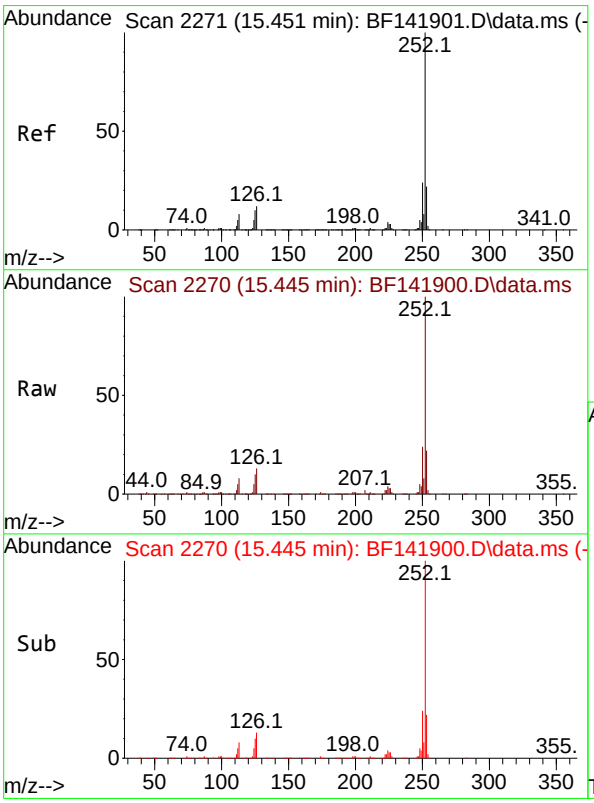

#89
Benzo(k)fluoranthene
Concen: 20.196 ng
RT: 15.104 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:252 Resp: 513311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.7 | 26.5 |
| 125 | 9.1 | 7.2 | 10.8 |

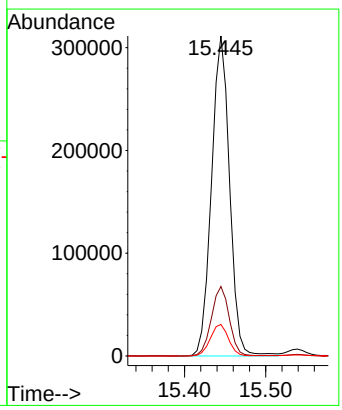


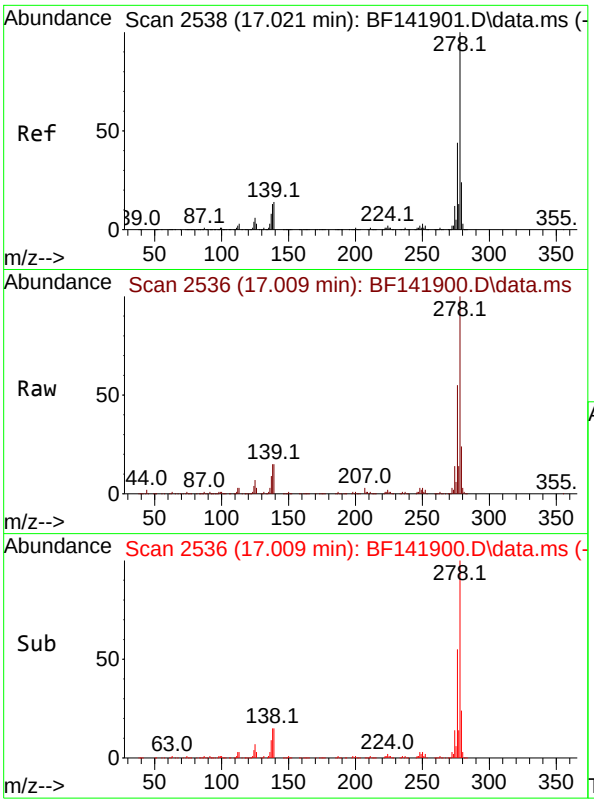




#90
Benzo(a)pyrene
Concen: 20.991 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:252 Resp: 481683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.4 | 26.0 |
| 125 | 9.8 | 7.8 | 11.8 |



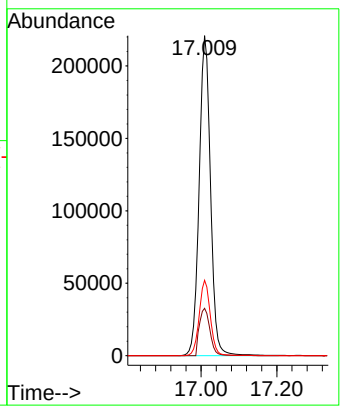


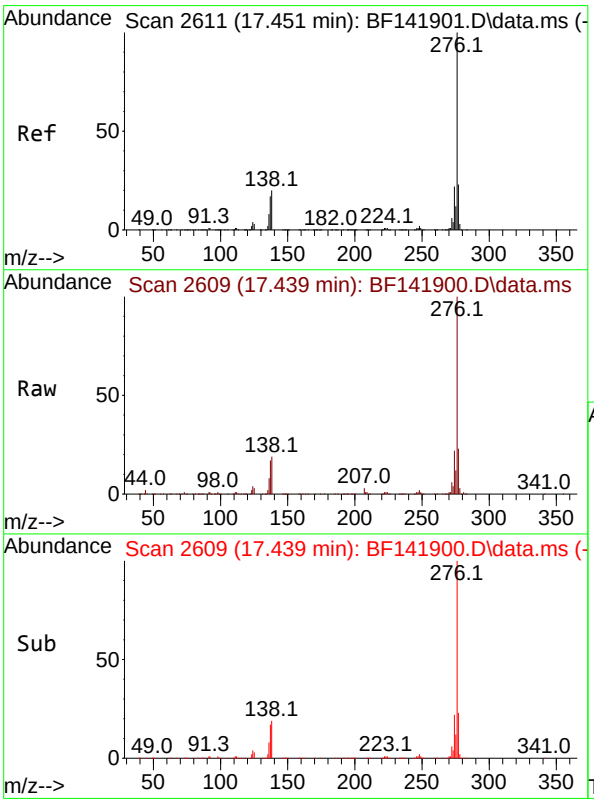

#91
Dibenzo(a,h)anthracene
Concen: 20.046 ng
RT: 17.009 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

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

Tgt Ion:278 Resp: 460109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.8 | 11.4 | 17.2 |
| 279 | 23.6 | 18.8 | 28.2 |

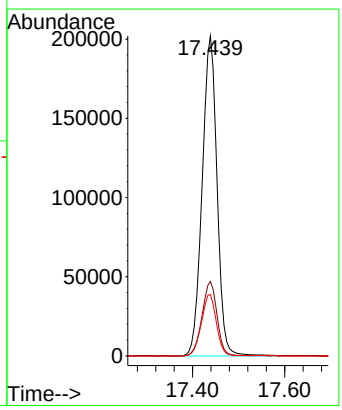



#92
Benzo(g,h,i)perylene
Concen: 19.987 ng
RT: 17.439 min Scan# 2609
Delta R.T. -0.012 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:276 Resp: 455034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.3 | 18.7 | 28.1 |
| 138 | 19.2 | 15.8 | 23.8 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141901.D
Acq On : 10 Mar 2025 12:58
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Quant Time: Mar 10 15:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 222904 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.163 | 136 | 874166 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 493744 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.404 | 188 | 839154 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.039 | 240 | 569865 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.509 | 264 | 469286 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.492 | 112 | 1023722 | 76.628 | ng | 0.00 |
| 7) Phenol-d6 | 6.504 | 99 | 1285980 | 75.580 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.445 | 82 | 1216280 | 77.983 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.704 | 330 | 493945 | 78.949 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.239 | 172 | 2475837 | 76.357 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.986 | 244 | 2908357 | 75.440 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.675 | 88 | 224795 | 40.148 | ng | 100 |
| 3) Pyridine | 3.440 | 79 | 544434 | 39.565 | ng | 100 |
| 4) n-Nitrosodimethylamine | 3.393 | 42 | 259739 | 39.710 | ng | 100 |
| 6) Aniline | 6.545 | 93 | 653060 | 38.879 | ng | 100 |
| 8) 2-Chlorophenol | 6.669 | 128 | 561230 | 37.902 | ng | 100 |
| 9) Benzaldehyde | 6.434 | 77 | 346818 | 36.467 | ng | 100 |
| 10) Phenol | 6.522 | 94 | 684724 | 38.141 | ng | 100 |
| 11) bis(2-Chloroethyl)ether | 6.616 | 93 | 510214 | 37.932 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 6.822 | 146 | 611938 | 38.242 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 6.898 | 146 | 620951 | 38.355 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 7.051 | 146 | 581043 | 38.111 | ng | 100 |
| 15) Benzyl Alcohol | 7.022 | 79 | 528444 | 38.371 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157 | 45 | 607522 | 37.476 | ng | 100 |
| 17) 2-Methylphenol | 7.128 | 107 | 449433 | 38.190 | ng | 100 |
| 18) Hexachloroethane | 7.392 | 117 | 230613 | 37.993 | ng | 100 |
| 19) n-Nitroso-di-n-propyla... | 7.298 | 70 | 407069 | 37.223 | ng | 100 |
| 20) 3+4-Methylphenols | 7.281 | 107 | 576902 | 38.219 | ng | 100 |
| 22) Acetophenone | 7.292 | 105 | 804747 | 38.376 | ng | 100 |
| 24) Nitrobenzene | 7.463 | 77 | 604738 | 39.106 | ng | 100 |
| 25) Isophorone | 7.704 | 82 | 1049049 | 38.097 | ng | 100 |
| 26) 2-Nitrophenol | 7.781 | 139 | 305349 | 40.295 | ng | 100 |
| 27) 2,4-Dimethylphenol | 7.810 | 122 | 403621 | 38.671 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 7.910 | 93 | 650344 | 37.702 | ng | 100 |
| 29) 2,4-Dichlorophenol | 8.016 | 162 | 500239 | 38.619 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.104 | 180 | 541182 | 37.870 | ng | 100 |
| 31) Naphthalene | 8.186 | 128 | 1719643 | 38.400 | ng | 100 |
| 32) Benzoic acid | 7.928 | 122 | 363328 | 39.827 | ng | 100 |
| 33) 4-Chloroaniline | 8.228 | 127 | 613535 | 38.824 | ng | 100 |
| 34) Hexachlorobutadiene | 8.304 | 225 | 355740 | 38.285 | ng | 100 |
| 35) Caprolactam | 8.604 | 113 | 147056 | 37.335 | ng | 100 |
| 36) 4-Chloro-3-methylphenol | 8.704 | 107 | 555328 | 38.549 | ng | 100 |
| 37) 2-Methylnaphthalene | 8.875 | 142 | 1141228 | 37.983 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.975 | 142 | 1089576 | 37.447 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.039 | 216 | 584322 | 38.814 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 9.028 | 237 | 246666 | 41.523 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 9.145 | 196 | 392696 | 40.014 | ng | 100 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141901.D
Acq On : 10 Mar 2025 12:58
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Quant Time: Mar 10 15:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.186 | 196 | 384539 | 38.566 | ng | 100 |
| 46) 1,1'-Biphenyl | 9.339 | 154 | 1436040 | 38.362 | ng | 100 |
| 47) 2-Chloronaphthalene | 9.363 | 162 | 1077099 | 38.609 | ng | 100 |
| 48) 2-Nitroaniline | 9.457 | 65 | 318068 | 39.690 | ng | 100 |
| 49) Acenaphthylene | 9.780 | 152 | 1614250 | 39.029 | ng | 100 |
| 50) Dimethylphthalate | 9.639 | 163 | 1312856 | 38.270 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.698 | 165 | 281695 | 39.486 | ng | 100 |
| 52) Acenaphthene | 9.951 | 154 | 1132087 | 38.764 | ng | 100 |
| 53) 3-Nitroaniline | 9.869 | 138 | 289208 | 39.481 | ng | 100 |
| 54) 2,4-Dinitrophenol | 9.969 | 184 | 140024 | 38.116 | ng | 100 |
| 55) Dibenzofuran | 10.122 | 168 | 1593454 | 38.266 | ng | 100 |
| 56) 4-Nitrophenol | 10.016 | 139 | 227070 | 41.266 | ng | 100 |
| 57) 2,4-Dinitrotoluene | 10.104 | 165 | 370337 | 39.437 | ng | 100 |
| 58) Fluorene | 10.469 | 166 | 1213316 | 37.742 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232 | 354863 | 39.225 | ng | 100 |
| 60) Diethylphthalate | 10.339 | 149 | 1319116 | 38.304 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204 | 635445 | 37.950 | ng | 100 |
| 62) 4-Nitroaniline | 10.480 | 138 | 284615 | 40.097 | ng | 100 |
| 63) Azobenzene | 10.616 | 77 | 1229473 | 38.432 | ng | 100 |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198 | 203106 | 40.827 | ng | 100 |
| 66) n-Nitrosodiphenylamine | 10.574 | 169 | 1041349 | 38.415 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248 | 409602 | 39.195 | ng | 100 |
| 68) Hexachlorobenzene | 11.010 | 284 | 452189 | 39.146 | ng | 100 |
| 69) Atrazine | 11.098 | 200 | 275084 | 41.614 | ng | 100 |
| 70) Pentachlorophenol | 11.204 | 266 | 297893 | 41.818 | ng | 100 |
| 71) Phenanthrene | 11.427 | 178 | 1741309 | 38.373 | ng | 100 |
| 72) Anthracene | 11.480 | 178 | 1756035 | 38.571 | ng | 100 |
| 73) Carbazole | 11.633 | 167 | 1524663 | 38.898 | ng | 100 |
| 74) Di-n-butylphthalate | 11.963 | 149 | 1975625 | 38.175 | ng | 100 |
| 75) Fluoranthene | 12.616 | 202 | 1860202 | 39.049 | ng | 100 |
| 77) Benzidine | 12.733 | 184 | 410026 | 50.915 | ng | 100 |
| 78) Pyrene | 12.845 | 202 | 1835917 | 37.567 | ng | 100 |
| 80) Butylbenzylphthalate | 13.463 | 149 | 746613 | 38.769 | ng | 100 |
| 81) Benzo(a)anthracene | 14.027 | 228 | 1451332 | 38.713 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.992 | 252 | 423835 | 39.114 | ng | 100 |
| 83) Chrysene | 14.068 | 228 | 1294538 | 38.439 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149 | 1029987 | 38.985 | ng | 100 |
| 85) Di-n-octyl phthalate | 14.633 | 149 | 1441248 | 39.193 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 16.998 | 276 | 1207616 | 39.681 | ng | 100 |
| 88) Benzo(b)fluoranthene | 15.080 | 252 | 1135547 | 35.673 | ng | 100 |
| 89) Benzo(k)fluoranthene | 15.109 | 252 | 1130615 | 40.661 | ng | 100 |
| 90) Benzo(a)pyrene | 15.451 | 252 | 972220 | 38.727 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 17.021 | 278 | 1002747 | 39.933 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 17.451 | 276 | 999947 | 40.149 | ng | 100 |

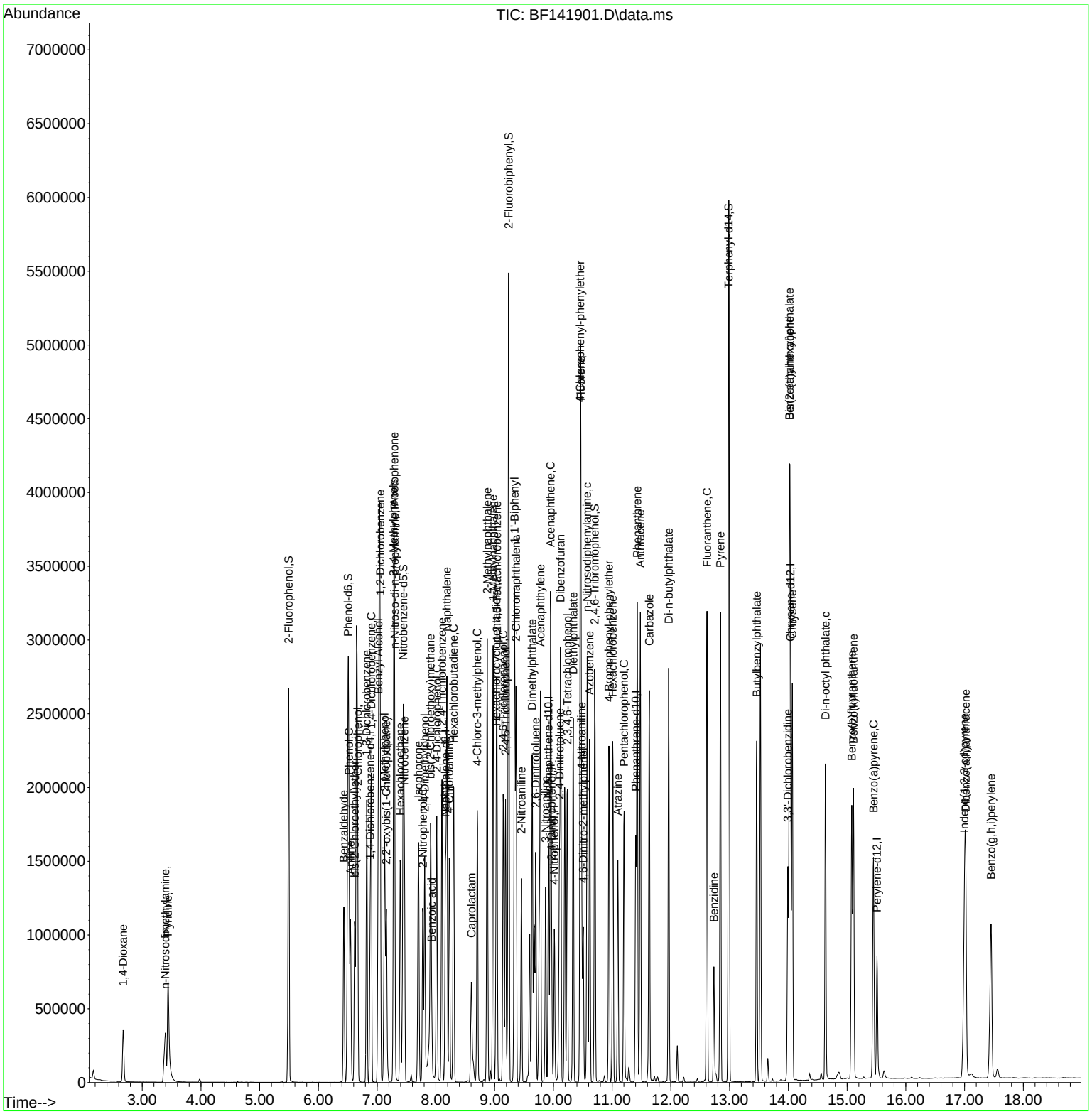
(#) = qualifier out of range (m) = manual integration (+) = signals summed

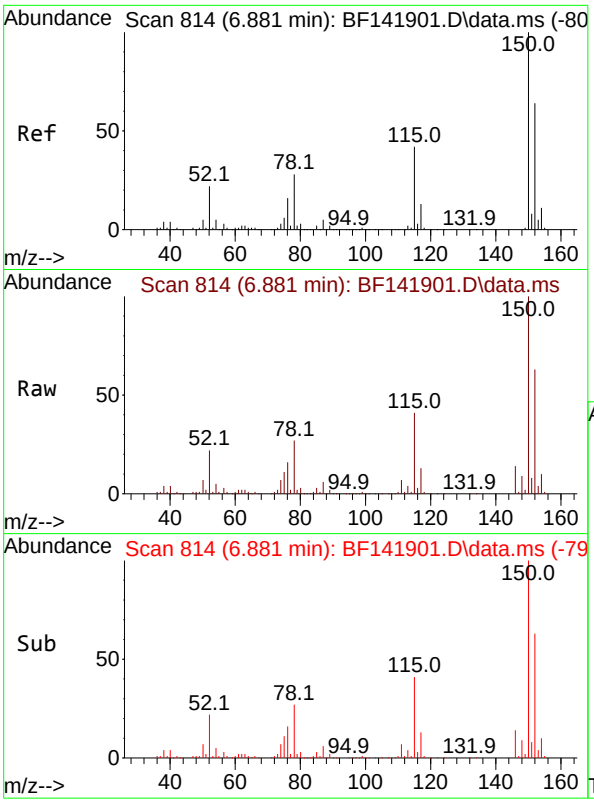
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141901.D
Acq On : 10 Mar 2025 12:58
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Quant Time: Mar 10 15:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



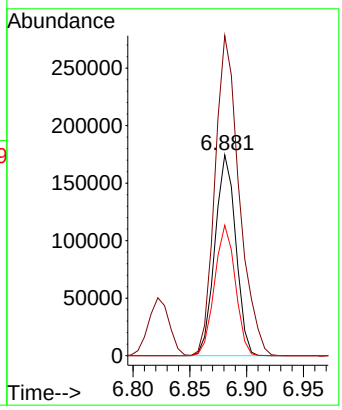


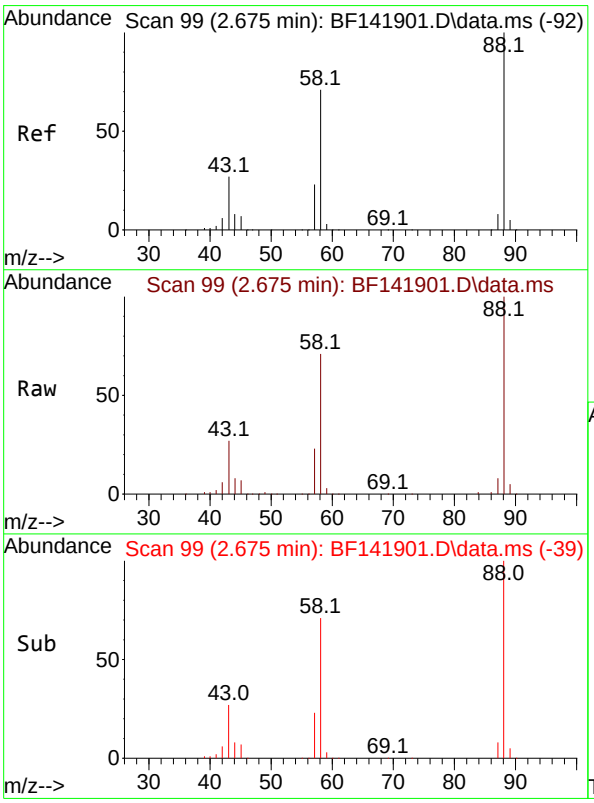

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:152 Resp: 222904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.3 | 127.4 | 191.2 |
| 115 | 64.9 | 51.9 | 77.9 |

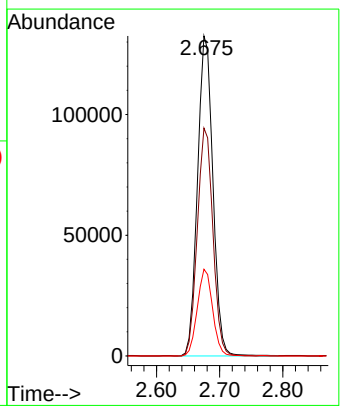


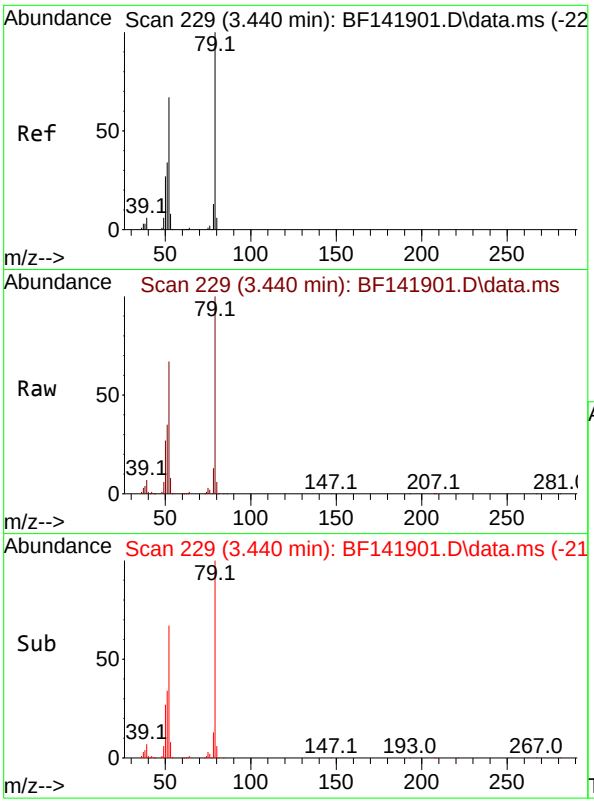




#2
1,4-Dioxane
Concen: 40.148 ng
RT: 2.675 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 88 Resp: 224795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 71.8 | 57.4 | 86.2 |
| 43 | 26.9 | 21.5 | 32.3 |



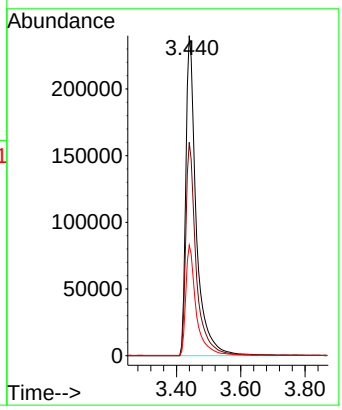


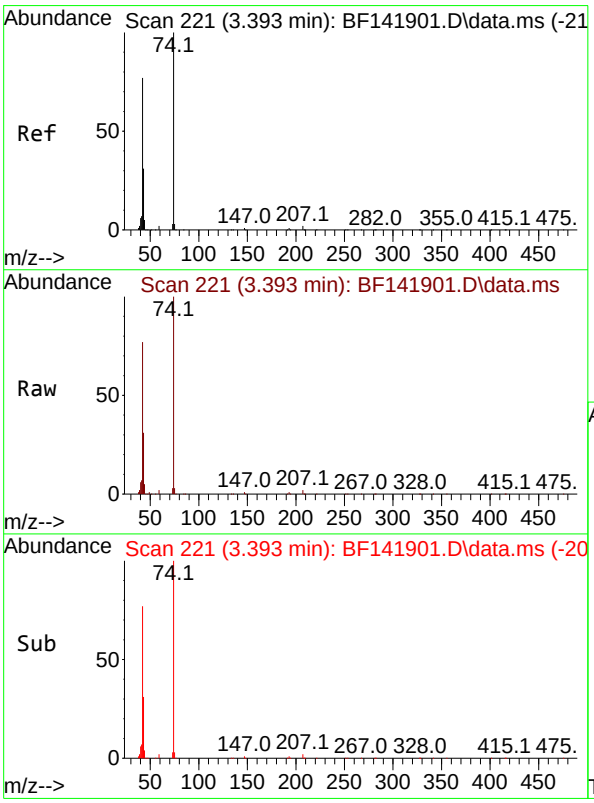

#3
Pyridine
Concen: 39.565 ng
RT: 3.440 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 79 Resp: 544434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 66.6 | 53.3 | 79.9 |
| 51 | 34.5 | 27.6 | 41.4 |

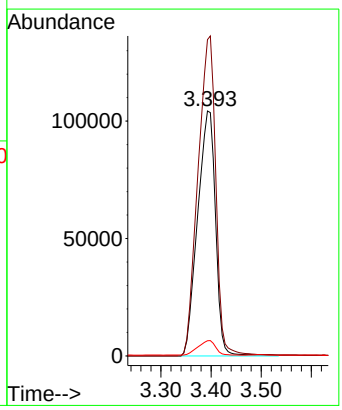


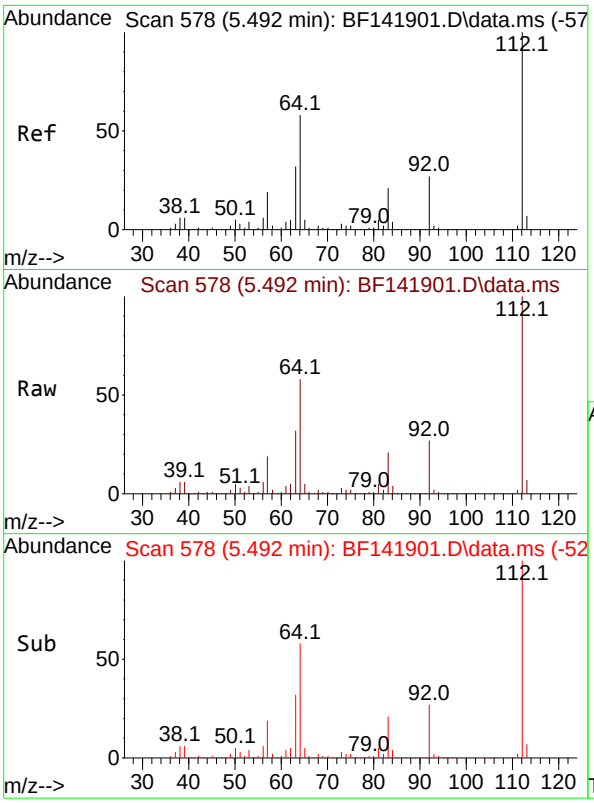




#4
n-Nitrosodimethylamine
Concen: 39.710 ng
RT: 3.393 min Scan# 221
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 42 Resp: 259739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 129.2 | 103.4 | 155.0 |
| 44 | 6.2 | 5.0 | 7.4 |



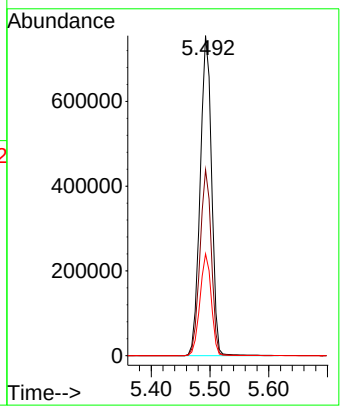


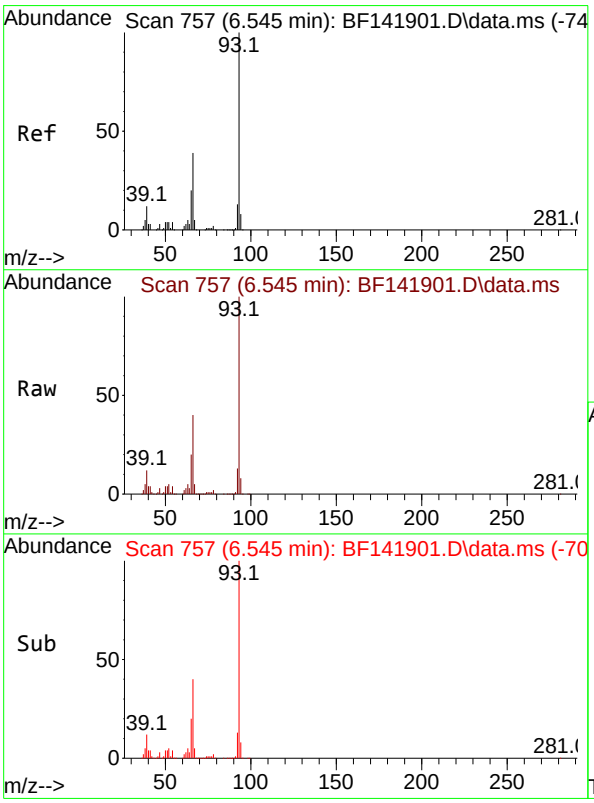

#5
2-Fluorophenol
Concen: 76.628 ng
RT: 5.492 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:112 Resp: 1023722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.1 | 46.5 | 69.7 |
| 63 | 31.8 | 25.4 | 38.2 |

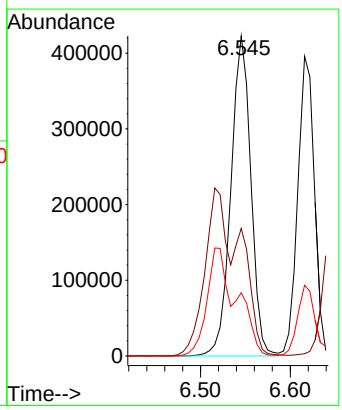


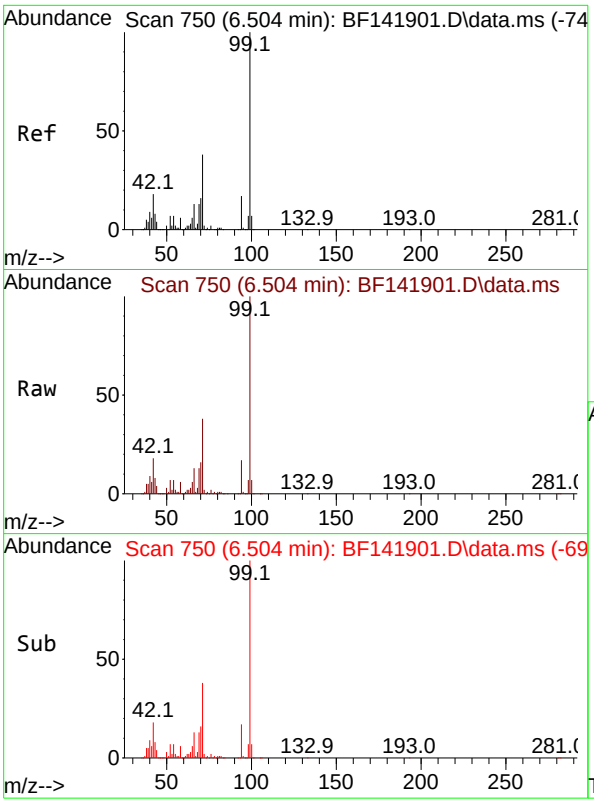




#6
Aniline
Concen: 38.879 ng
RT: 6.545 min Scan# 757
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 93 Resp: 653060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 39.9 | 31.9 | 47.9 |
| 65 | 19.7 | 15.8 | 23.6 |



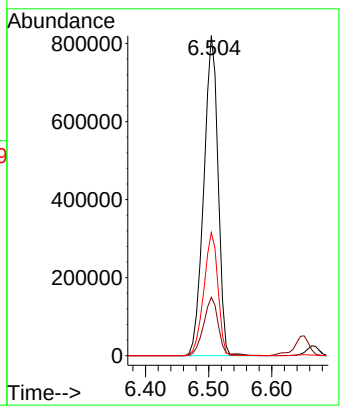


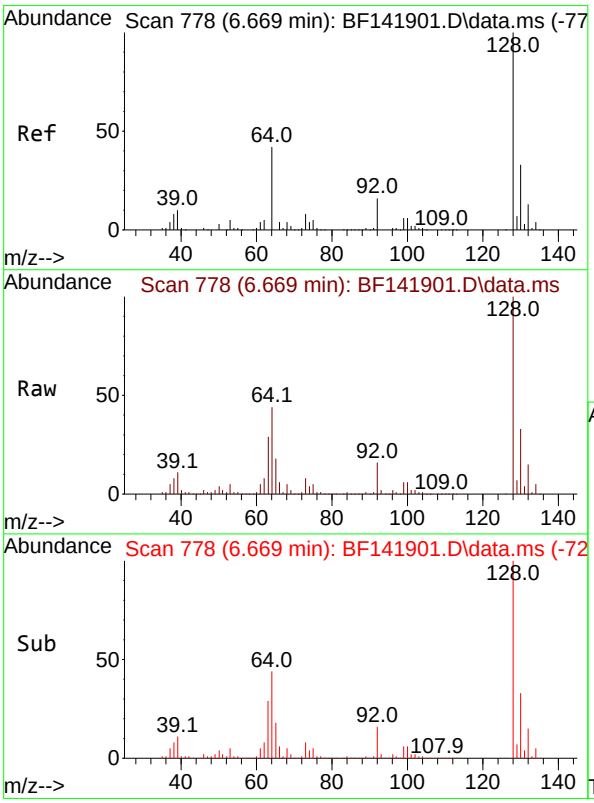

#7
Phenol-d6
Concen: 75.580 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 99 Resp: 1285980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.2 | 14.6 | 21.8 |
| 71 | 38.5 | 30.8 | 46.2 |

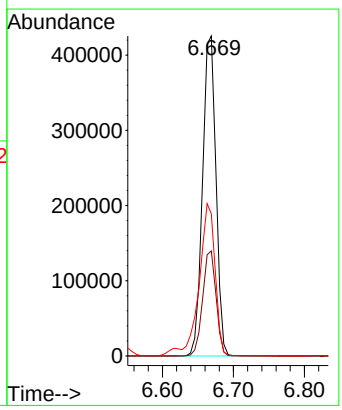


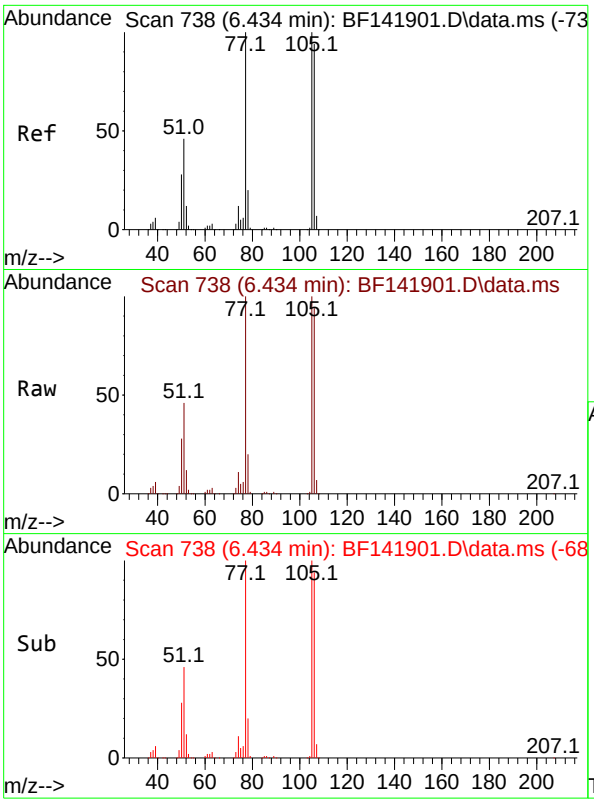




#8
2-Chlorophenol
Concen: 37.902 ng
RT: 6.669 min Scan# 778
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:128 Resp: 561230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.8 | 12.8 | 52.8 |
| 64 | 44.4 | 24.4 | 64.4 |



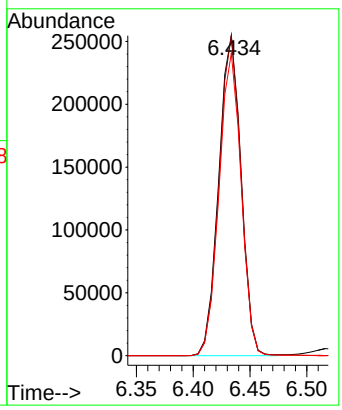


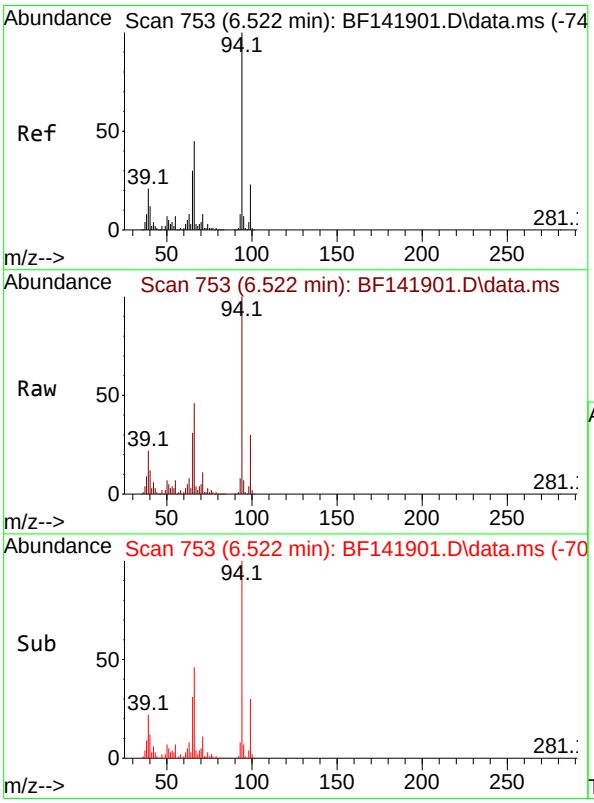

#9
Benzaldehyde
Concen: 36.467 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 77 Resp: 346818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 100.0 | 80.0 | 120.0 |
| 106 | 94.5 | 74.5 | 114.5 |

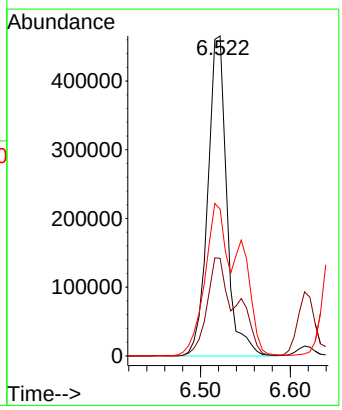


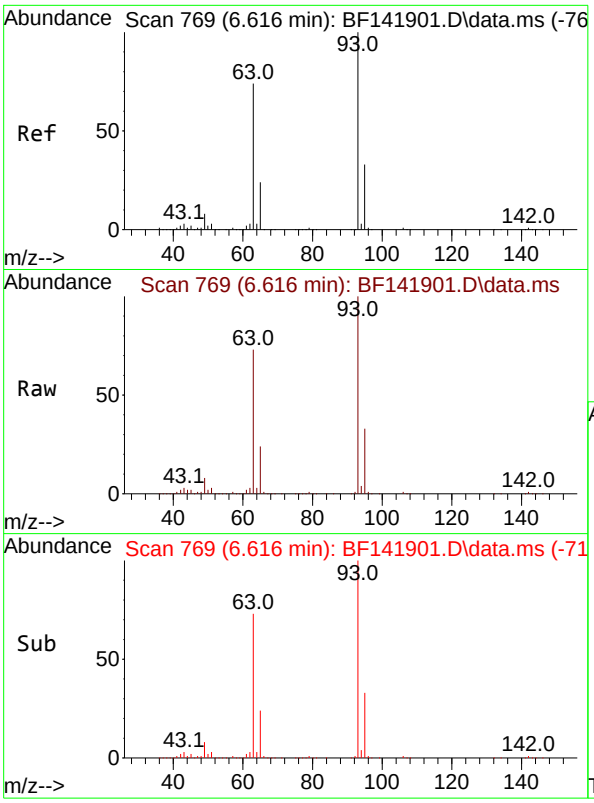




#10
Phenol
Concen: 38.141 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 94 Resp: 684724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 30.5 | 10.5 | 50.5 |
| 66 | 45.8 | 25.8 | 65.8 |



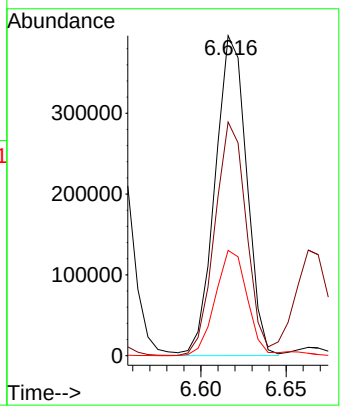


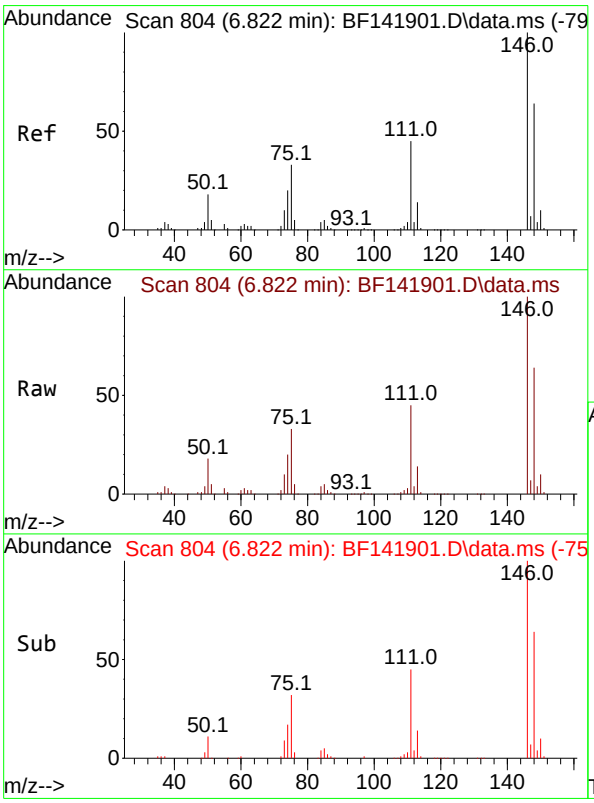

#11
bis(2-Chloroethyl)ether
Concen: 37.932 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 93 Resp: 510214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 73.0 | 53.0 | 93.0 |
| 95 | 32.9 | 12.9 | 52.9 |

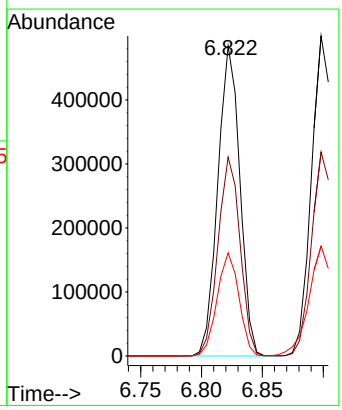


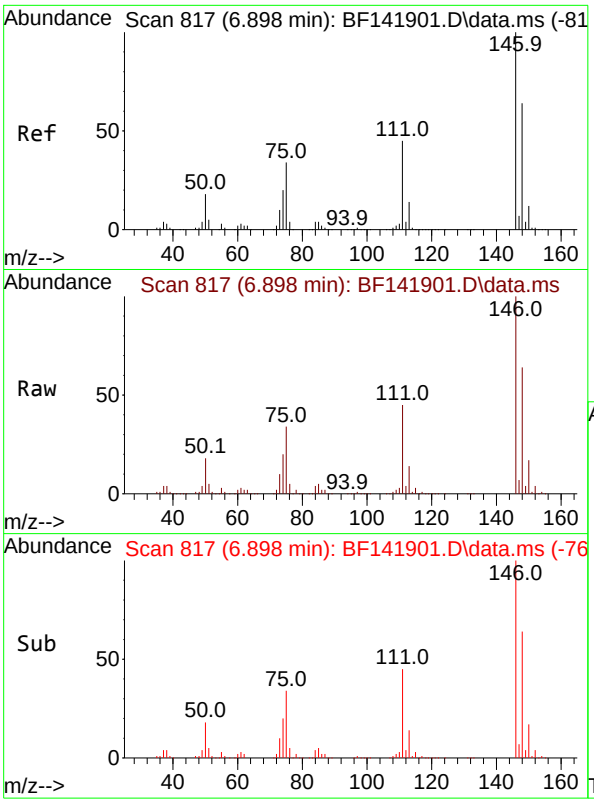




#12
1,3-Dichlorobenzene
Concen: 38.242 ng
RT: 6.822 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:146 Resp: 611938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.1 | 51.3 | 76.9 |
| 75 | 33.3 | 26.6 | 40.0 |



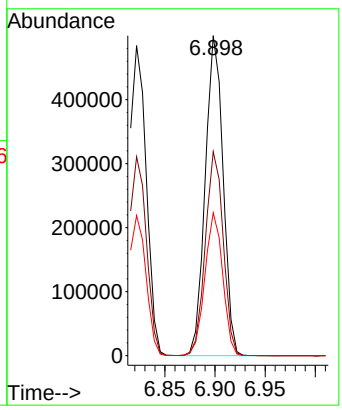


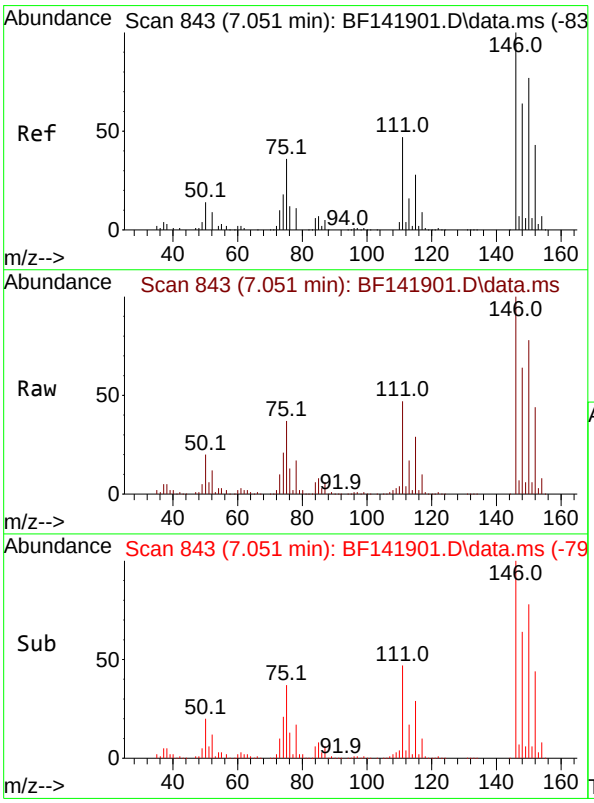

#13
1,4-Dichlorobenzene
Concen: 38.355 ng
RT: 6.898 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:146 Resp: 620951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 51.0 | 76.6 |
| 111 | 44.6 | 35.7 | 53.5 |

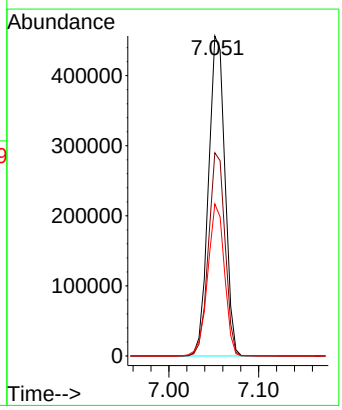


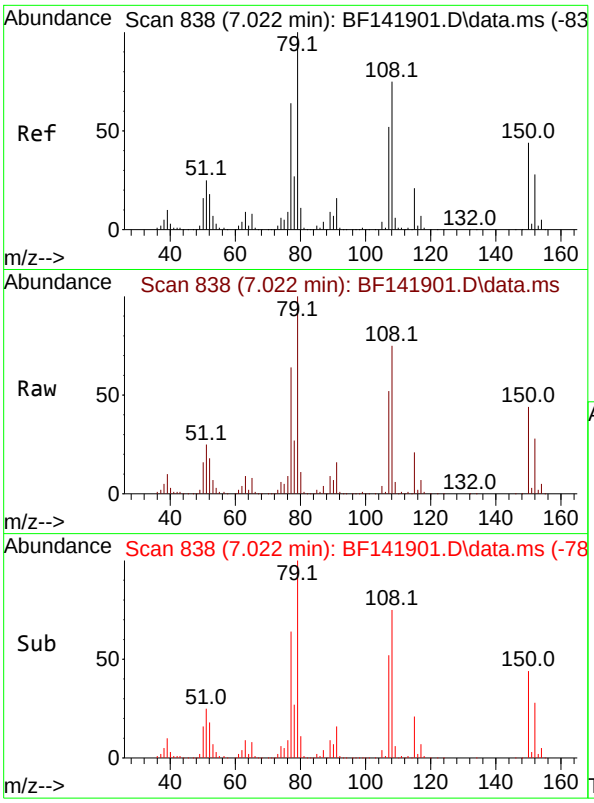




#14
1,2-Dichlorobenzene
Concen: 38.111 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:146 Resp: 581043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.5 | 50.8 | 76.2 |
| 111 | 47.5 | 38.0 | 57.0 |



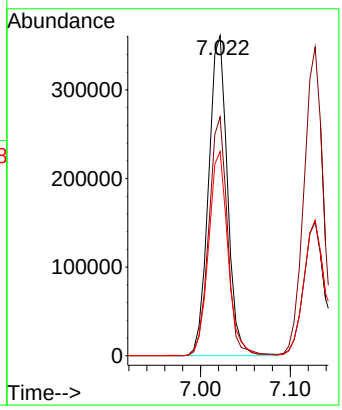


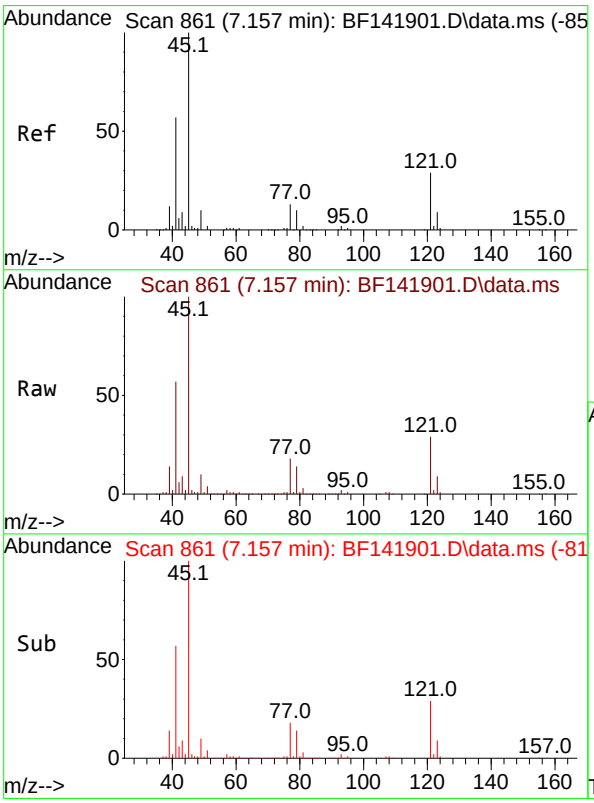

#15
Benzyl Alcohol
Concen: 38.371 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 79 Resp: 528444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 74.6 | 59.7 | 89.5 |
| 77 | 63.8 | 51.0 | 76.6 |

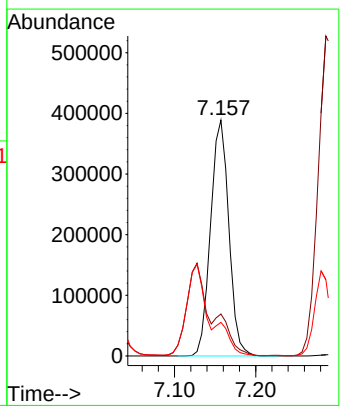


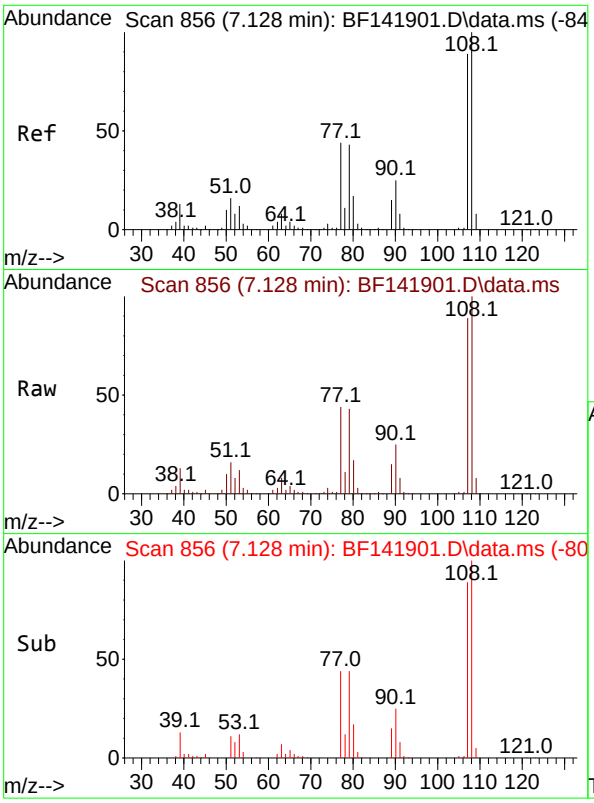




#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.476 ng
RT: 7.157 min Scan# 861
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 45 Resp: 607522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 17.8 | 0.0 | 37.8 |
| 79 | 14.2 | 0.0 | 34.2 |



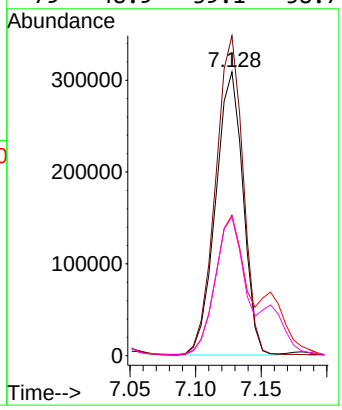


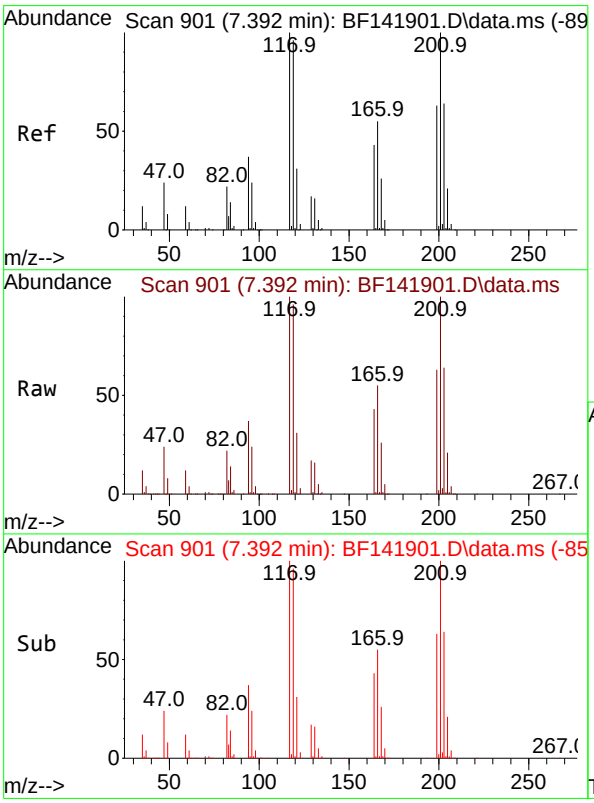

#17
2-Methylphenol
Concen: 38.190 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:107 Resp: 449433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.7 | 90.2 | 135.2 |
| 77 | 49.5 | 39.6 | 59.4 |
| 79 | 48.9 | 39.1 | 58.7 |

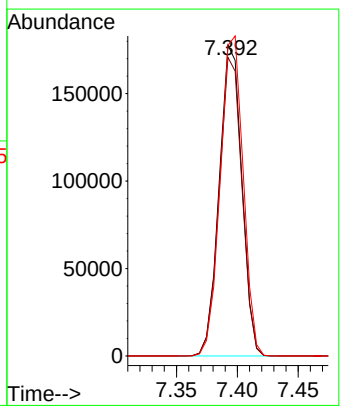


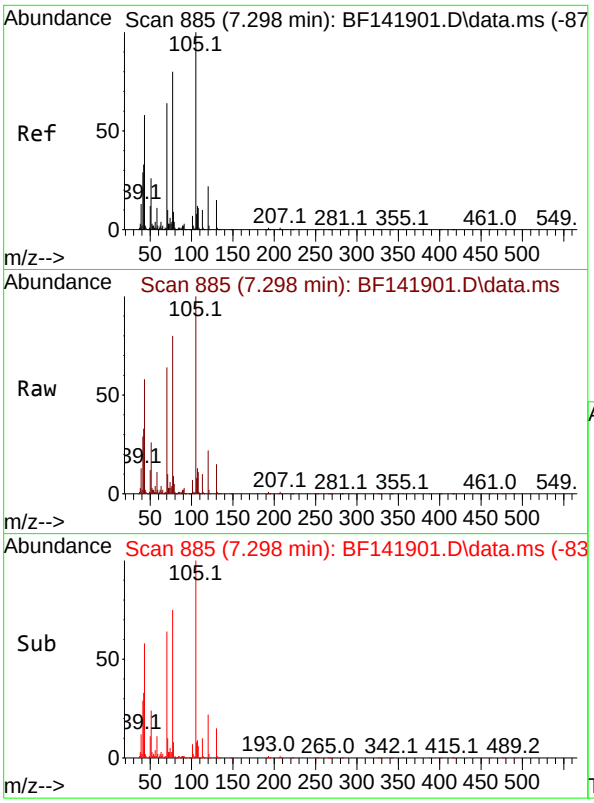




#18
Hexachloroethane
Concen: 37.993 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:117 Resp: 230613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.1 | 76.9 | 115.3 |
| 201 | 99.9 | 79.9 | 119.9 |



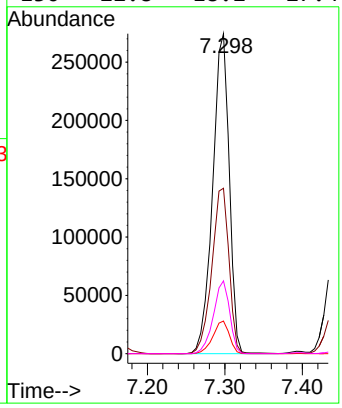


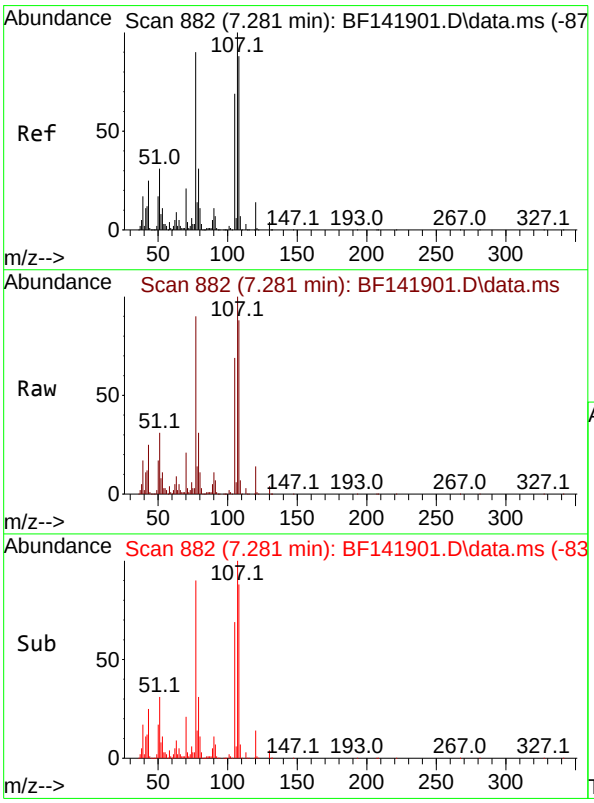

#19
n-Nitroso-di-n-propylamine
Concen: 37.223 ng
RT: 7.298 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 70 Resp: 407069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 51.7 | 41.4 | 62.0 |
| 101 | 10.2 | 8.2 | 12.2 |
| 130 | 22.8 | 18.2 | 27.4 |

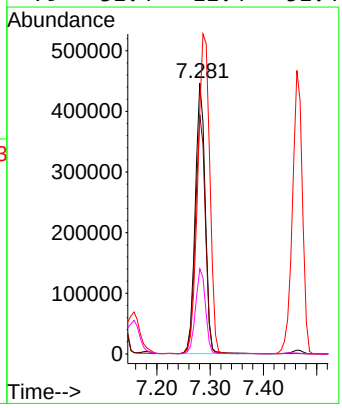


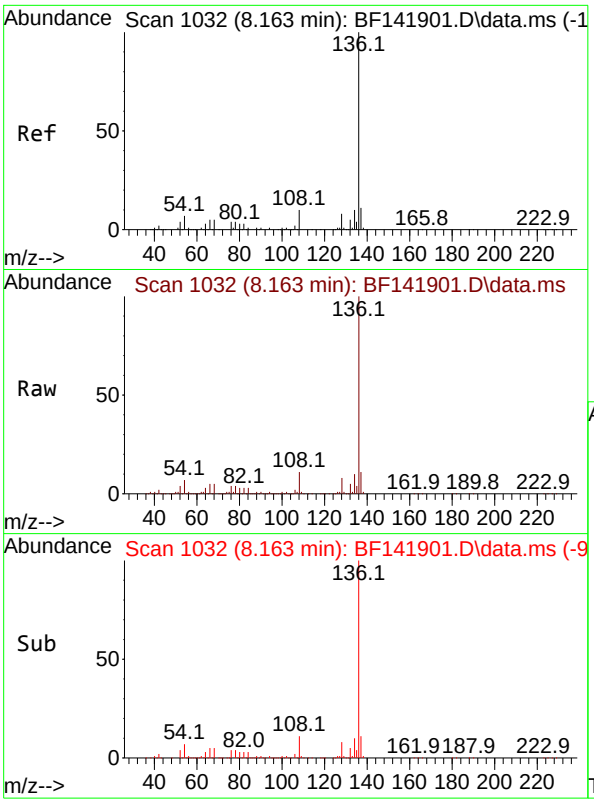




#20
3+4-Methylphenols
Concen: 38.219 ng
RT: 7.281 min Scan# 882
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:107 Resp: 576902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.4 | 68.4 | 108.4 |
| 77 | 89.7 | 69.7 | 109.7 |
| 79 | 31.4 | 11.4 | 51.4 |



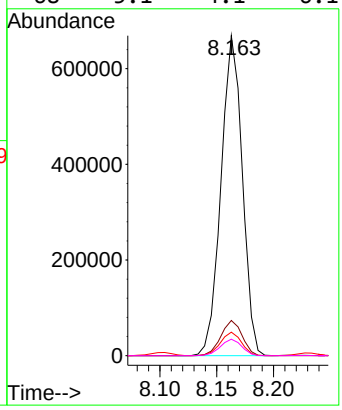


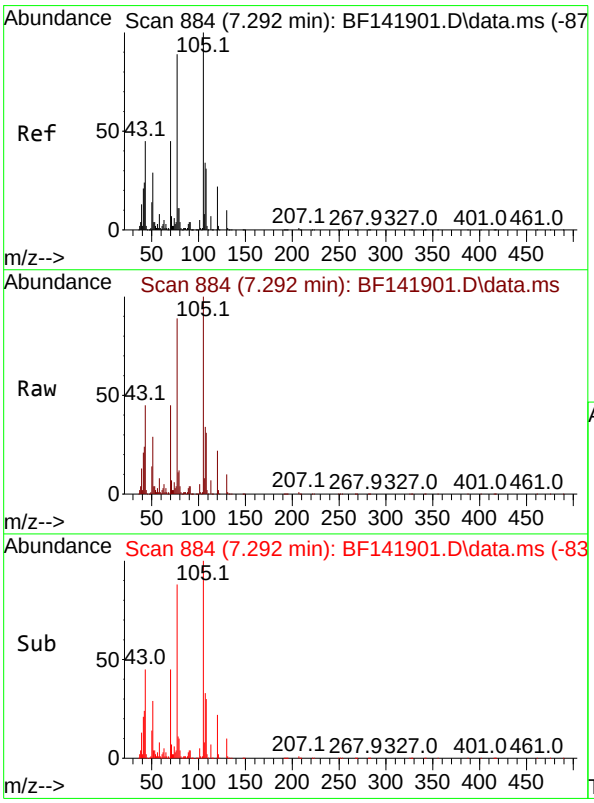

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:136 Resp: 874166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.8 | 13.2 |
| 54 | 7.3 | 5.8 | 8.8 |
| 68 | 5.1 | 4.1 | 6.1 |

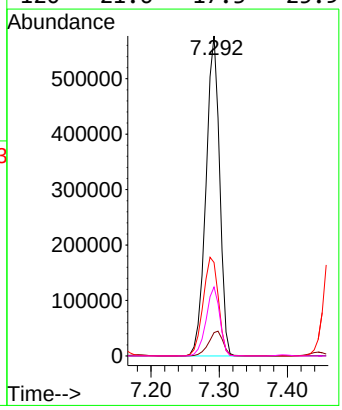


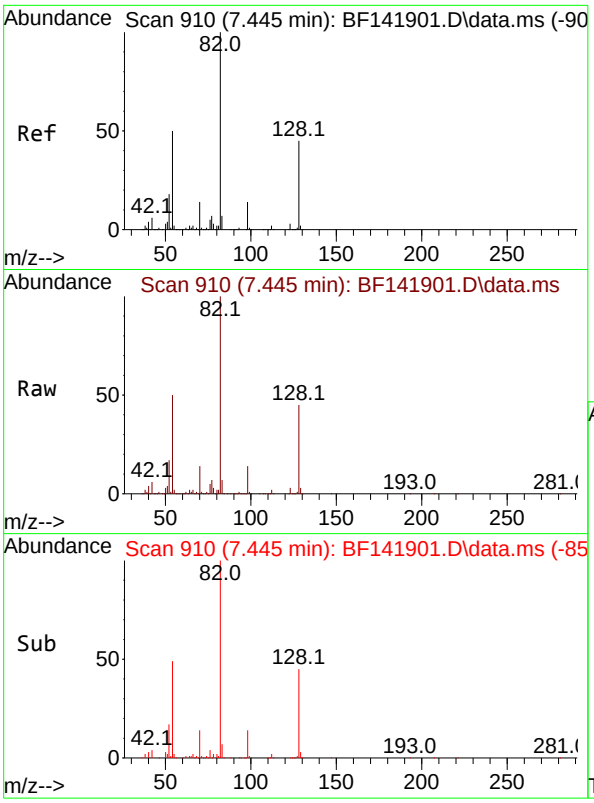




#22
Acetophenone
Concen: 38.376 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:105 Resp: 804747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.3 | 5.8 | 8.8 |
| 51 | 29.2 | 23.4 | 35.0 |
| 120 | 21.6 | 17.3 | 25.9 |



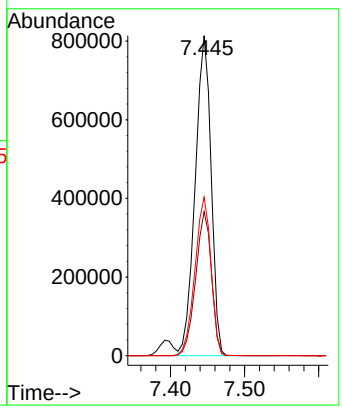


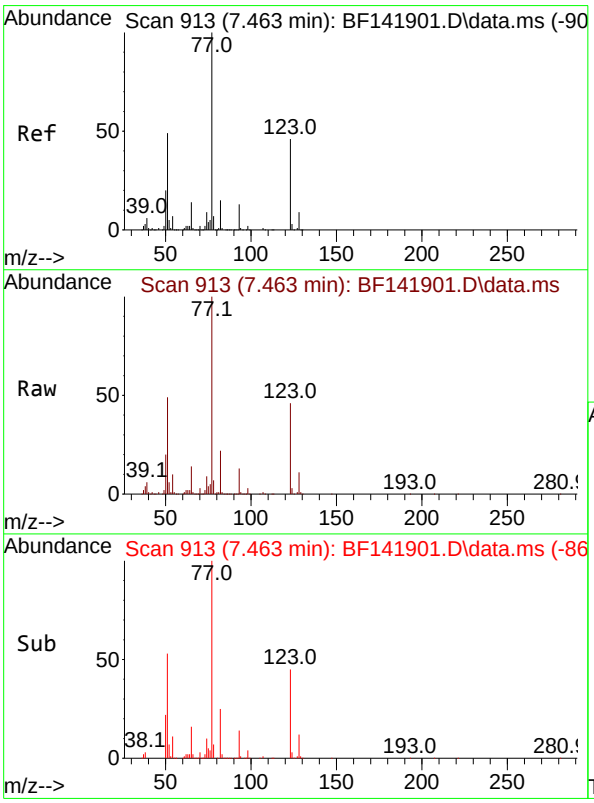

#23
Nitrobenzene-d5
Concen: 77.983 ng
RT: 7.445 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 82 Resp: 1216280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.0 | 36.0 | 54.0 |
| 54 | 49.5 | 39.6 | 59.4 |

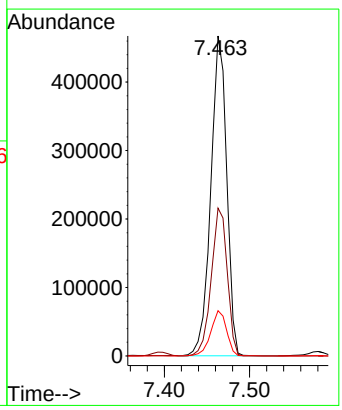


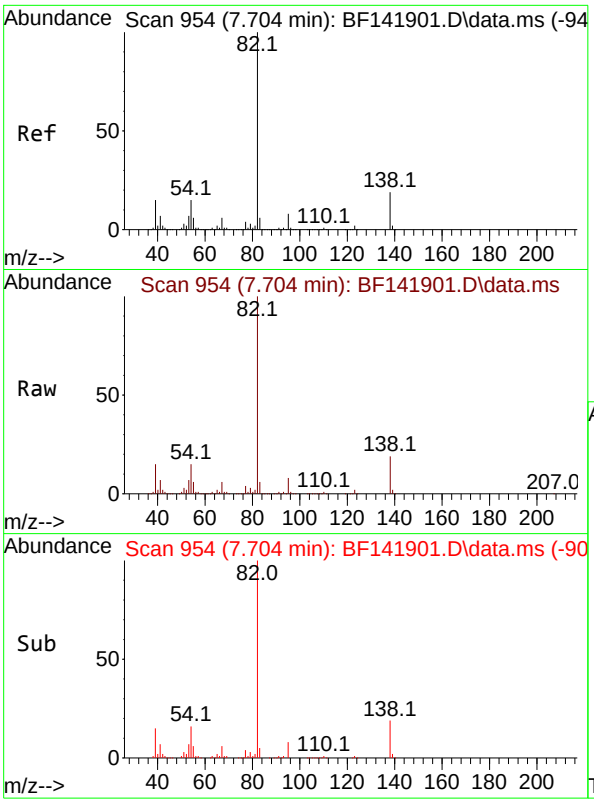




#24
Nitrobenzene
Concen: 39.106 ng
RT: 7.463 min Scan# 913
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 77 Resp: 604738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.2 | 37.0 | 55.4 |
| 65 | 14.1 | 11.3 | 16.9 |



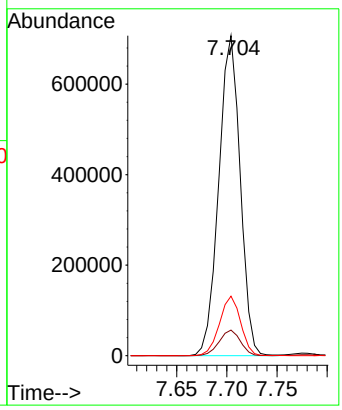


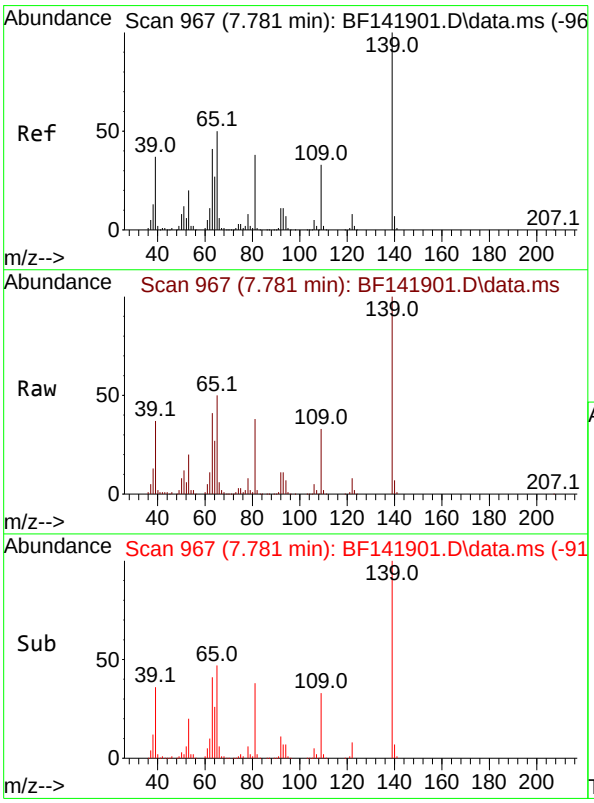

#25
Isophorone
Concen: 38.097 ng
RT: 7.704 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 82 Resp: 1049049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.0 | 6.4 | 9.6 |
| 138 | 18.6 | 14.9 | 22.3 |

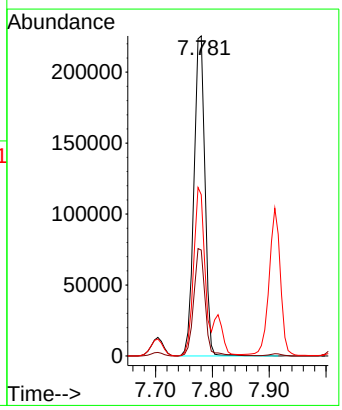


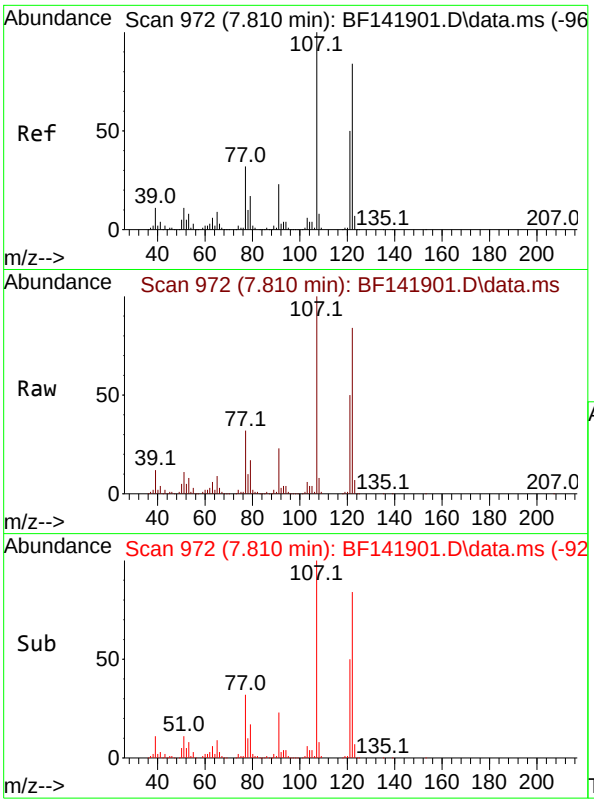




#26
2-Nitrophenol
Concen: 40.295 ng
RT: 7.781 min Scan# 967
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:139 Resp: 305349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 33.1 | 26.5 | 39.7 |
| 65 | 50.4 | 40.3 | 60.5 |



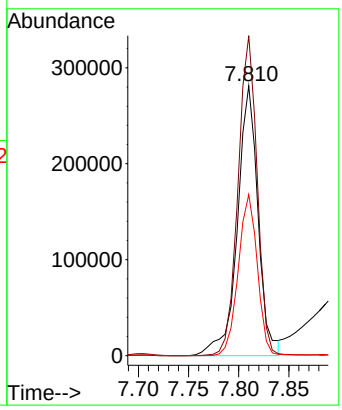


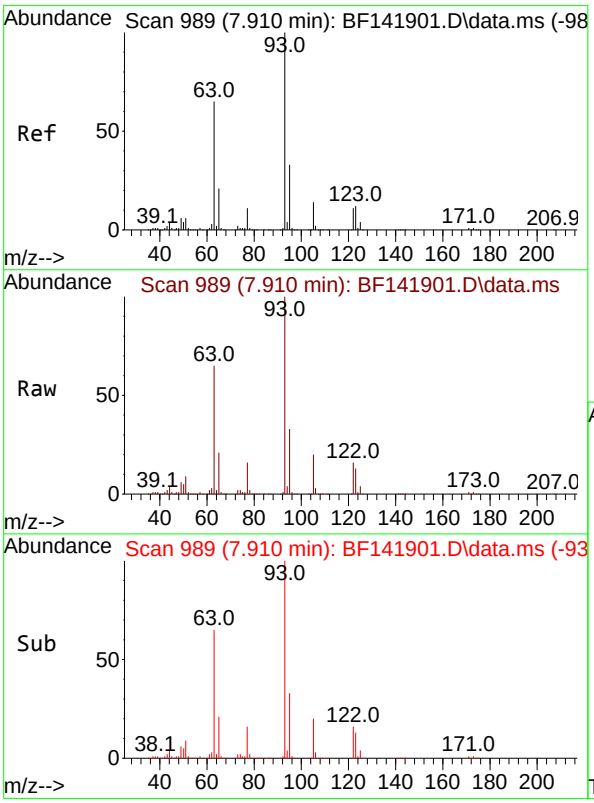

#27
2,4-Dimethylphenol
Concen: 38.671 ng
RT: 7.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:122 Resp: 403621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 118.5 | 94.8 | 142.2 |
| 121 | 59.7 | 47.8 | 71.6 |

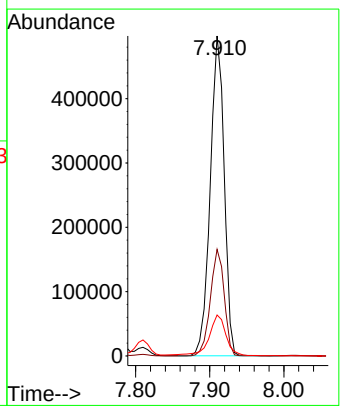


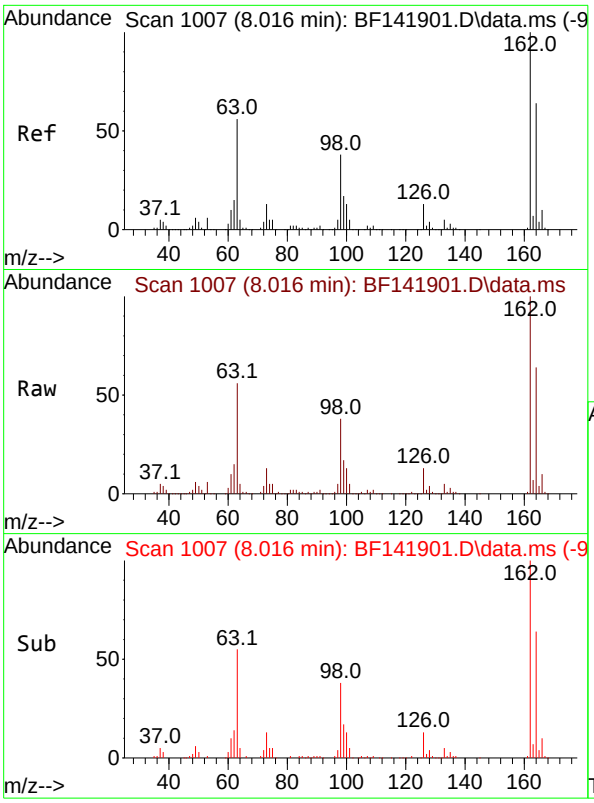




#28
bis(2-Chloroethoxy)methane
Concen: 37.702 ng
RT: 7.910 min Scan# 989
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 93 Resp: 650344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.3 | 26.6 | 40.0 |
| 123 | 12.8 | 10.2 | 15.4 |



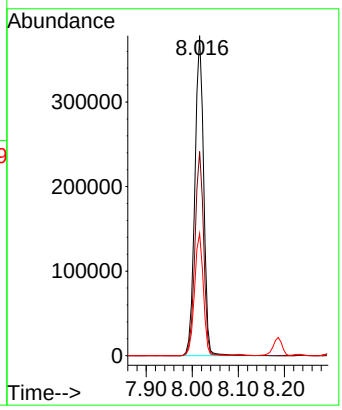


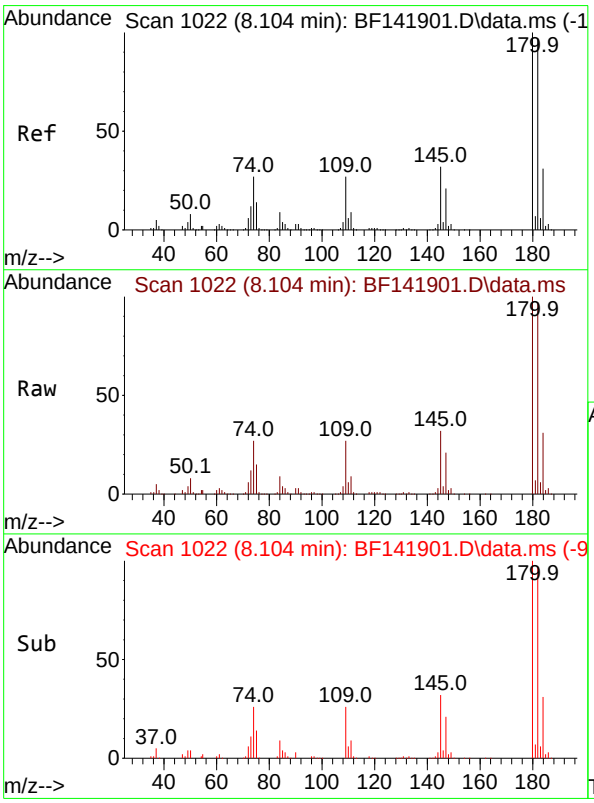

#29
2,4-Dichlorophenol
Concen: 38.619 ng
RT: 8.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:162 Resp: 500239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.8 | 43.8 | 83.8 |
| 98 | 38.1 | 18.1 | 58.1 |

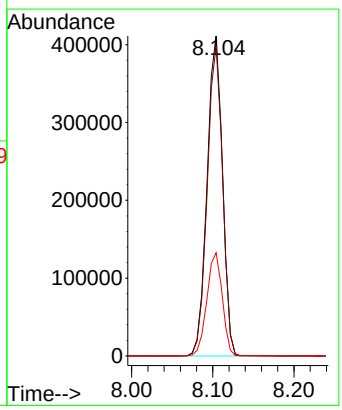


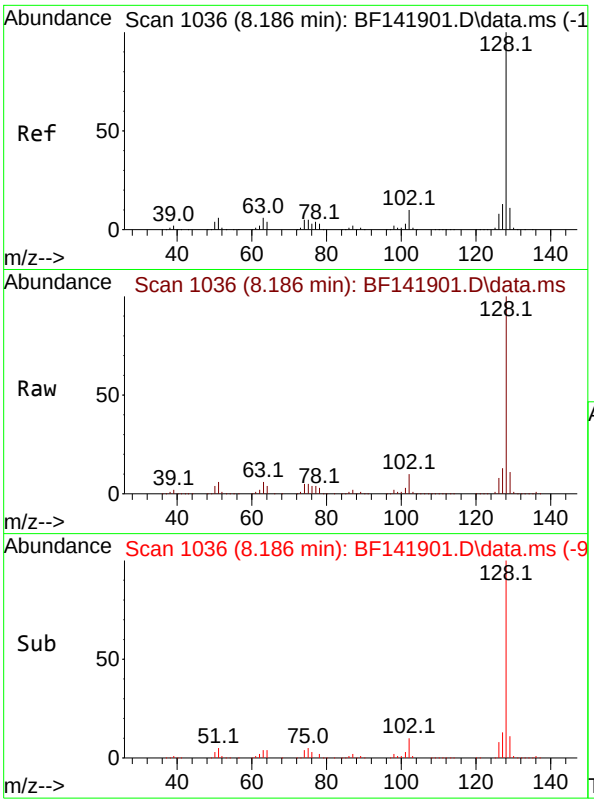




#30
1,2,4-Trichlorobenzene
Concen: 37.870 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:180 Resp: 541182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.9 | 77.5 | 116.3 |
| 145 | 32.2 | 25.8 | 38.6 |



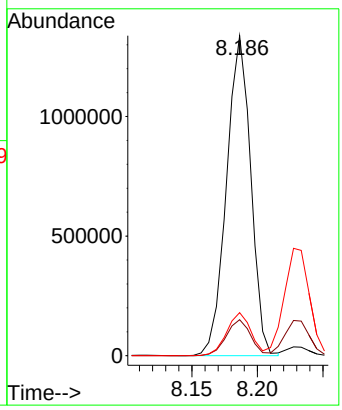


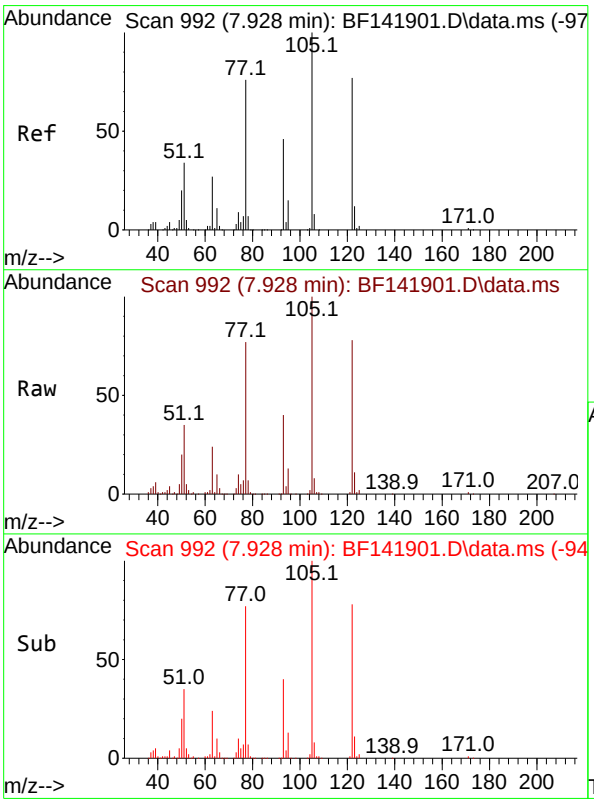

#31
Naphthalene
Concen: 38.400 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:128 Resp: 1719643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 9.0 | 13.6 |
| 127 | 13.5 | 10.8 | 16.2 |

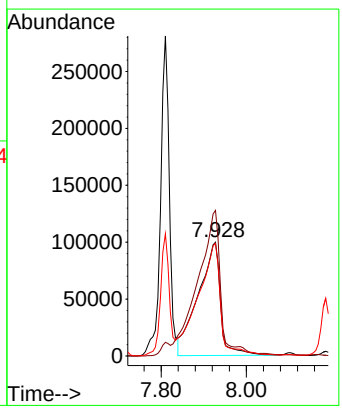


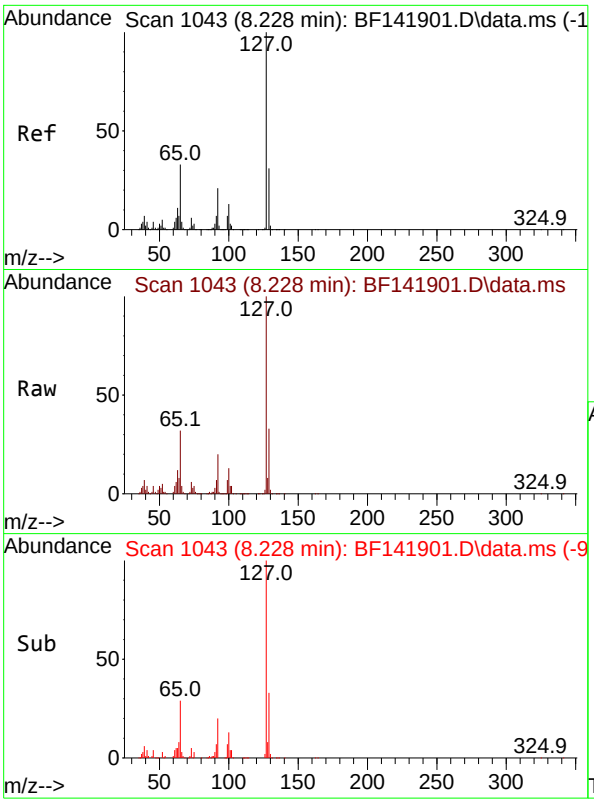




#32
Benzoic acid
Concen: 39.827 ng
RT: 7.928 min Scan# 992
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:122 Resp: 363328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 127.9 | 107.9 | 147.9 |
| 77 | 99.0 | 79.0 | 119.0 |



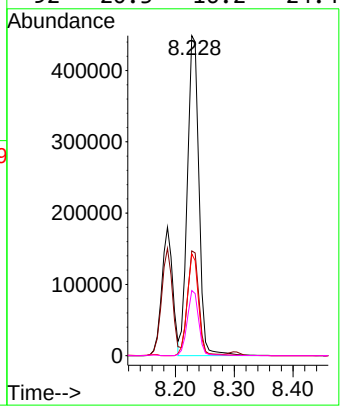


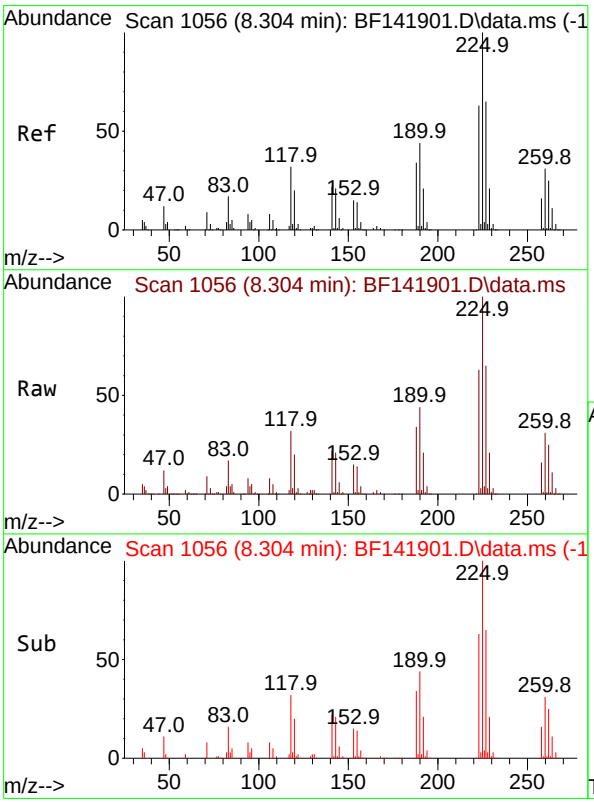

#33
4-Chloroaniline
Concen: 38.824 ng
RT: 8.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:127 Resp: 613535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.8 | 26.2 | 39.4 |
| 65 | 31.8 | 25.4 | 38.2 |
| 92 | 20.3 | 16.2 | 24.4 |

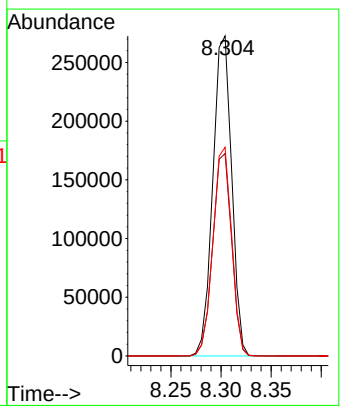


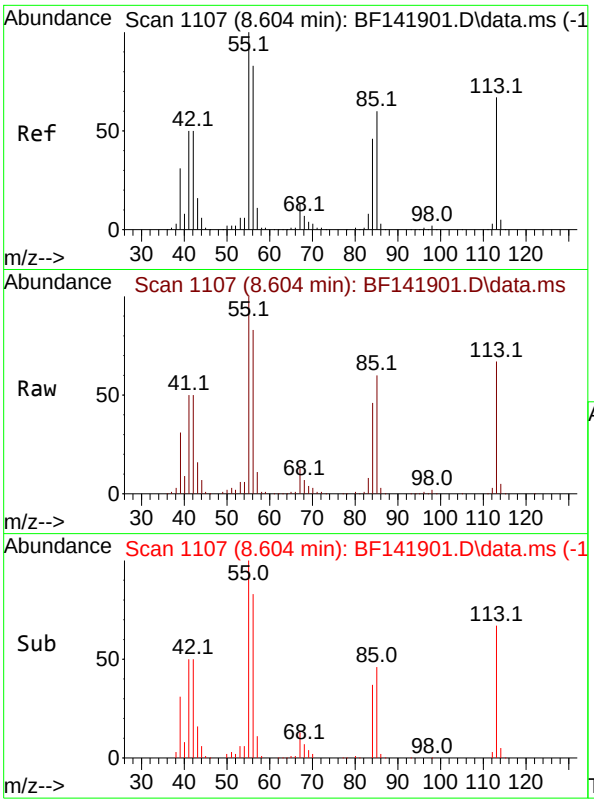




#34
Hexachlorobutadiene
Concen: 38.285 ng
RT: 8.304 min Scan# 1056
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:225 Resp: 355740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.2 | 50.6 | 75.8 |
| 227 | 65.2 | 52.2 | 78.2 |



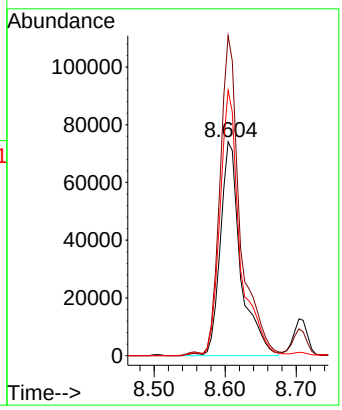


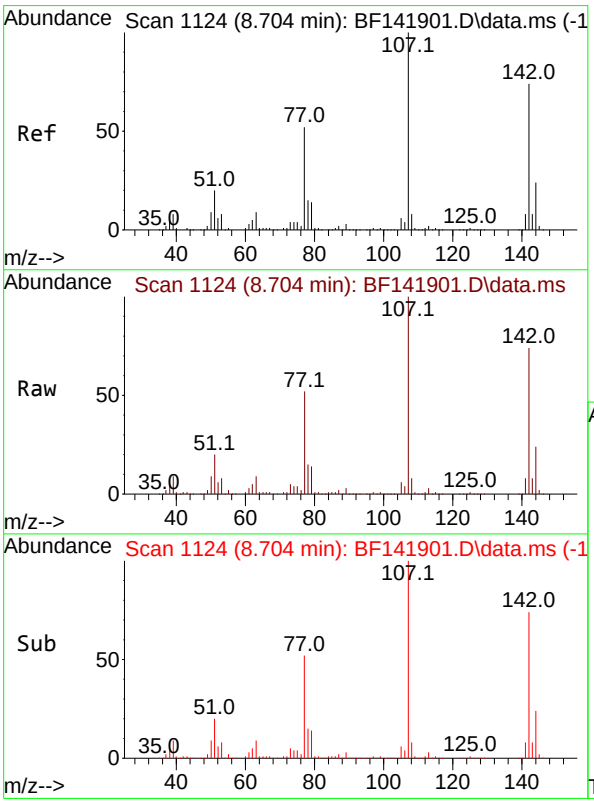

#35
Caprolactam
Concen: 37.335 ng
RT: 8.604 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:113 Resp: 147056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 149.6 | 129.6 | 169.6 |
| 56 | 124.0 | 104.0 | 144.0 |

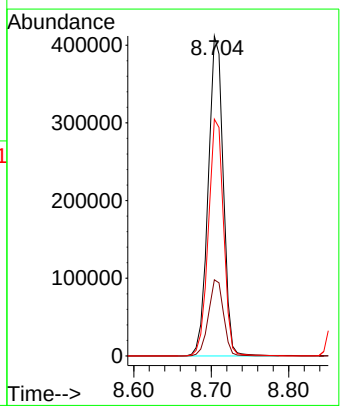


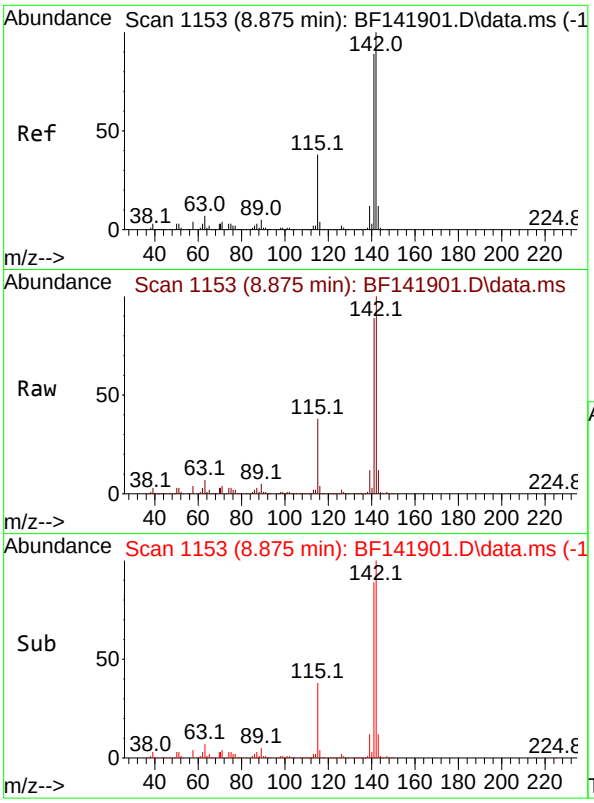




#36
4-Chloro-3-methylphenol
Concen: 38.549 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:107 Resp: 555328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 23.8 | 19.0 | 28.6 |
| 142 | 74.0 | 59.2 | 88.8 |



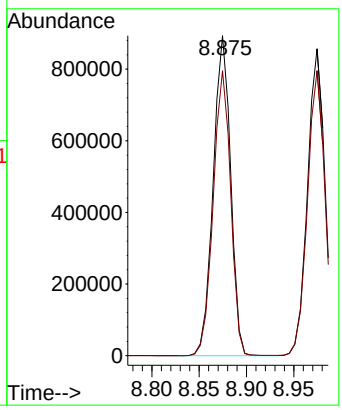


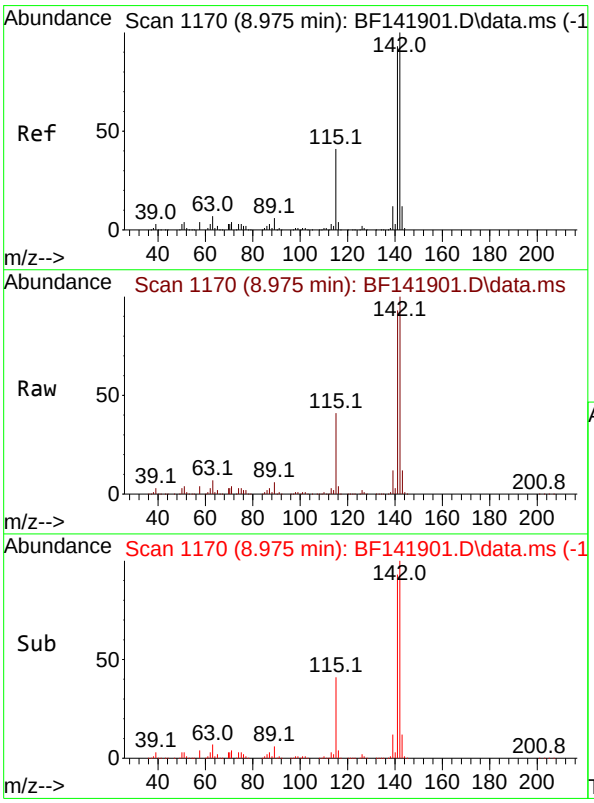

#37
2-Methylnaphthalene
Concen: 37.983 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:142 Resp: 1141228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.0 | 71.2 | 106.8 |

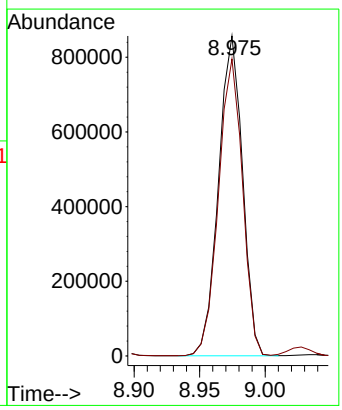


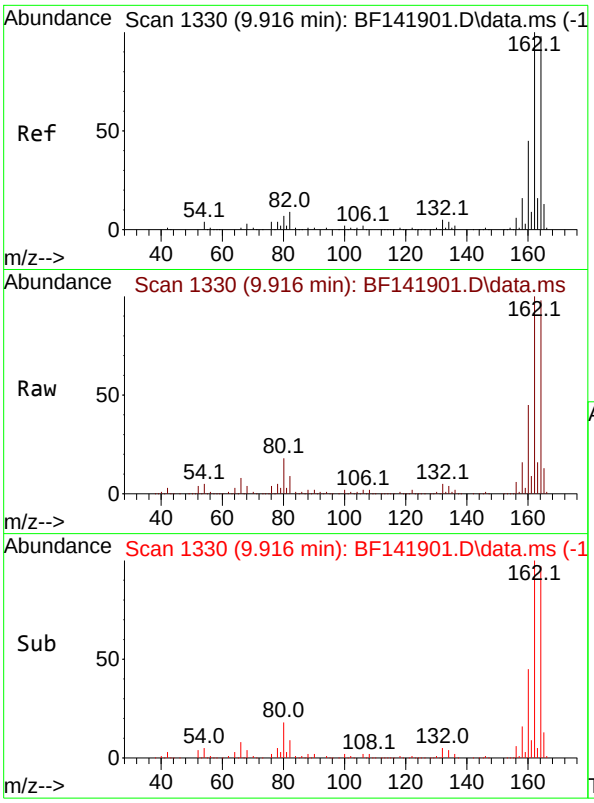




#38
1-Methylnaphthalene
Concen: 37.447 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:142 Resp: 1089576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.8 | 74.2 | 111.4 |



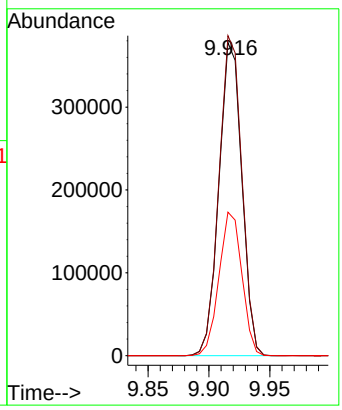


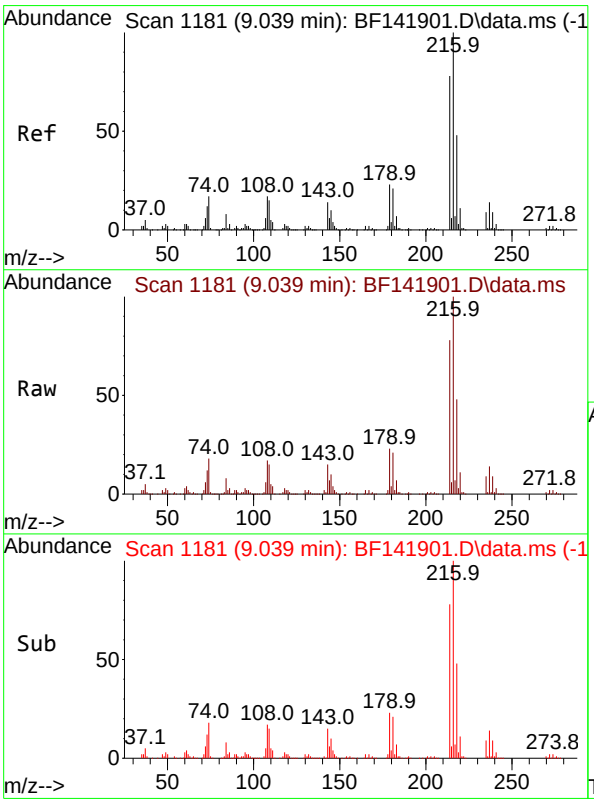

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:164 Resp: 493744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.2 | 81.8 | 122.6 |
| 160 | 45.9 | 36.7 | 55.1 |

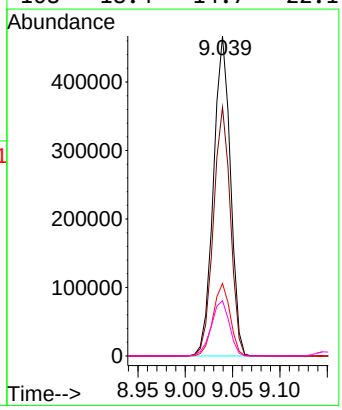


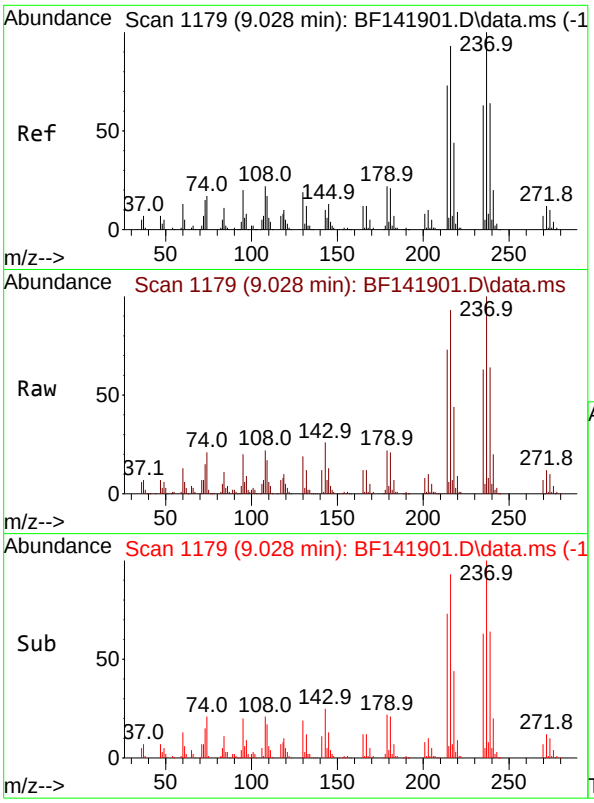




#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.814 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:216 Resp: 584322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 77.4 | 61.9 | 92.9 |
| 179 | 22.6 | 18.1 | 27.1 |
| 108 | 18.4 | 14.7 | 22.1 |



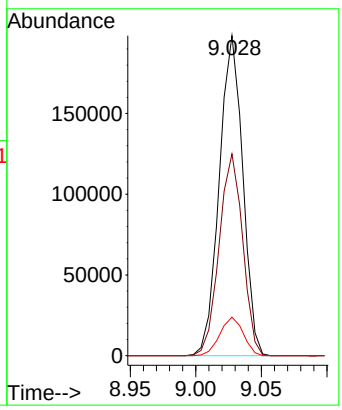


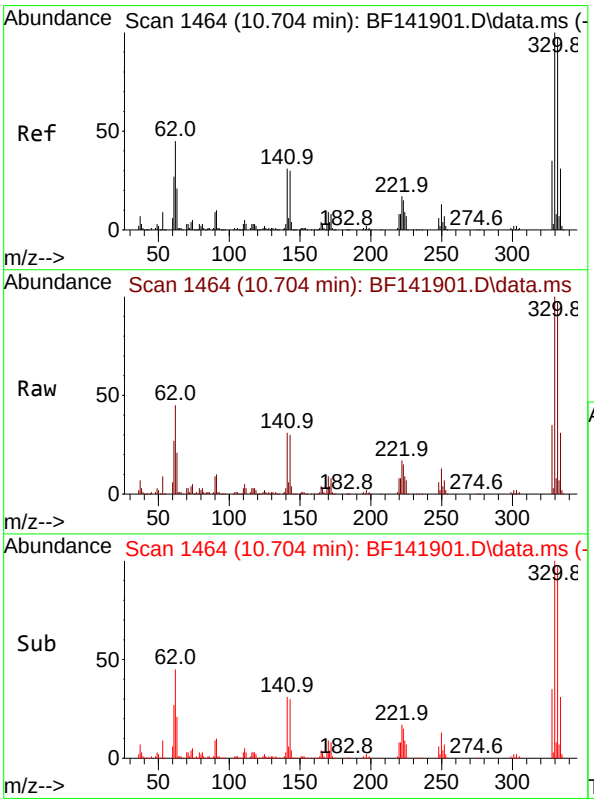

#41
Hexachlorocyclopentadiene
Concen: 41.523 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:237 Resp: 246666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.1 | 43.1 | 83.1 |
| 272 | 12.0 | 0.0 | 32.0 |

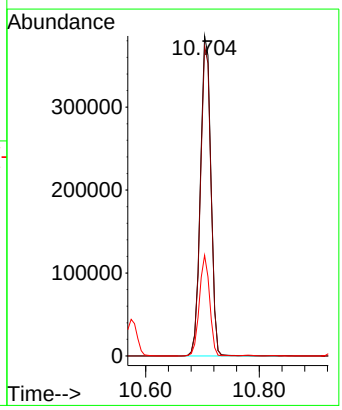


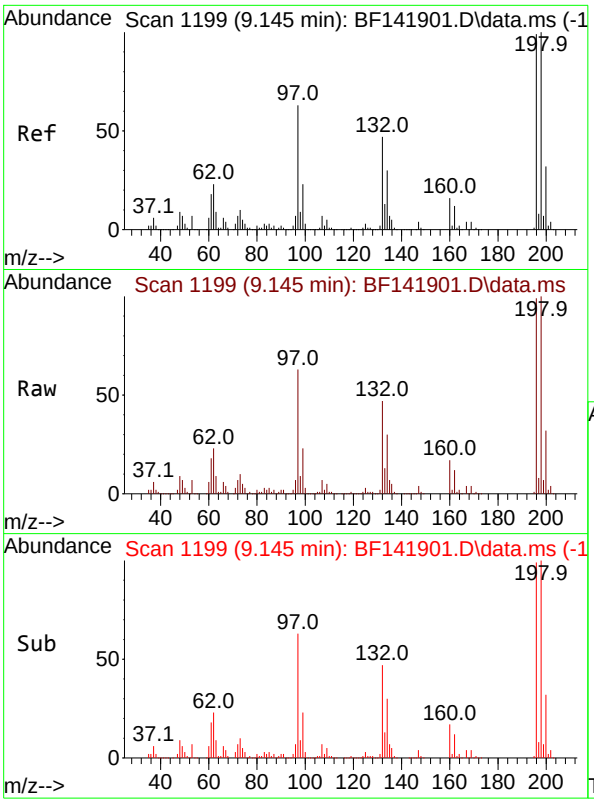




#42
2,4,6-Tribromophenol
Concen: 78.949 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:330 Resp: 493945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.0 | 77.6 | 116.4 |
| 141 | 30.9 | 24.7 | 37.1 |



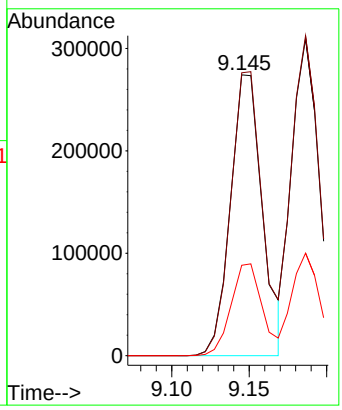


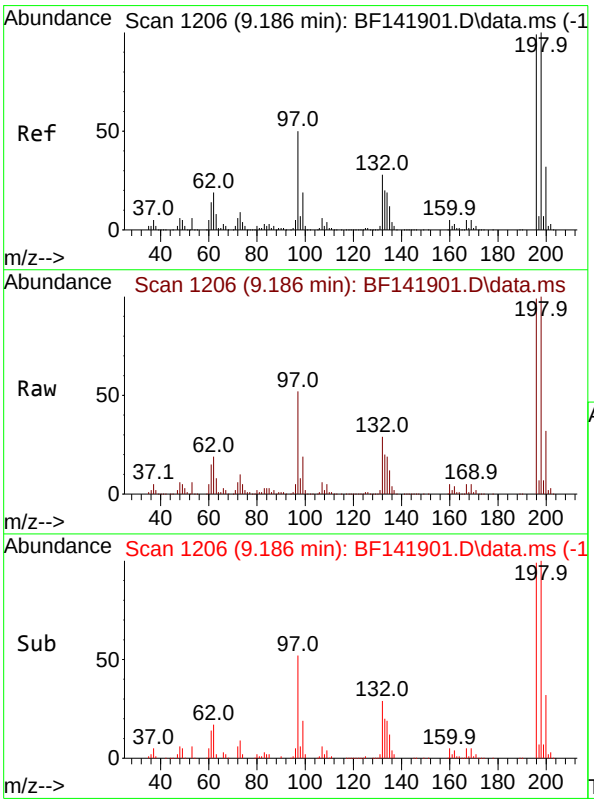

#43
2,4,6-Trichlorophenol
Concen: 40.014 ng
RT: 9.145 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:196 Resp: 392696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.8 | 80.6 | 121.0 |
| 200 | 32.2 | 25.8 | 38.6 |

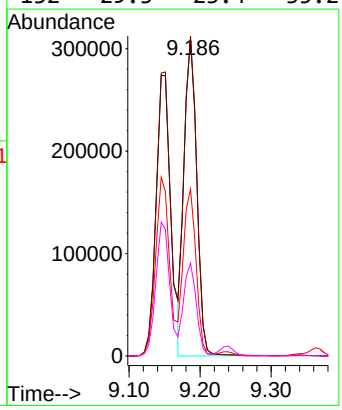


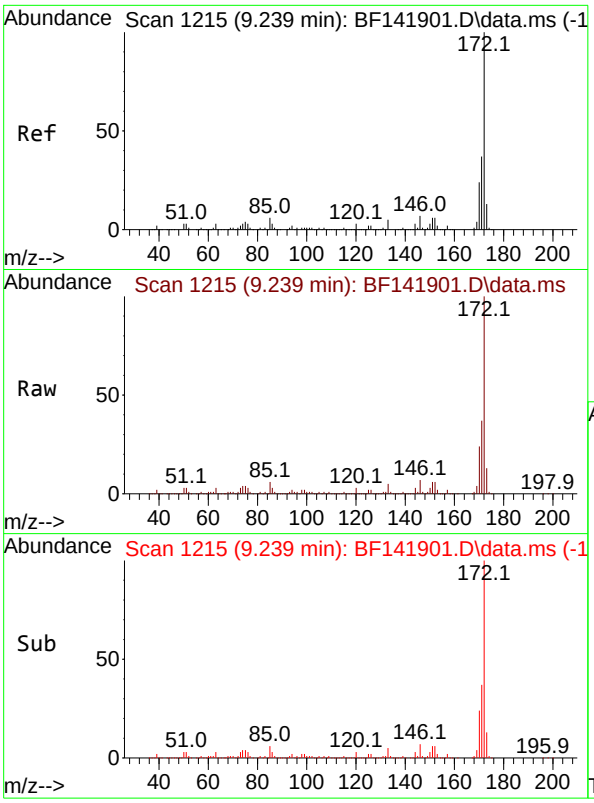




#44
2,4,5-Trichlorophenol
Concen: 38.566 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:196 Resp: 384539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.9 | 80.7 | 121.1 |
| 97 | 52.6 | 42.1 | 63.1 |
| 132 | 29.3 | 23.4 | 35.2 |



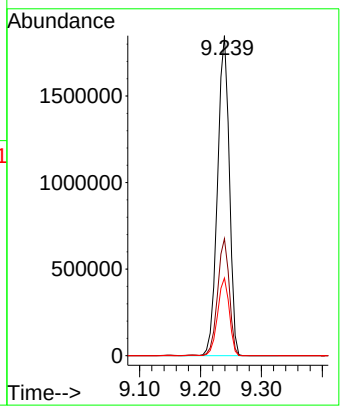


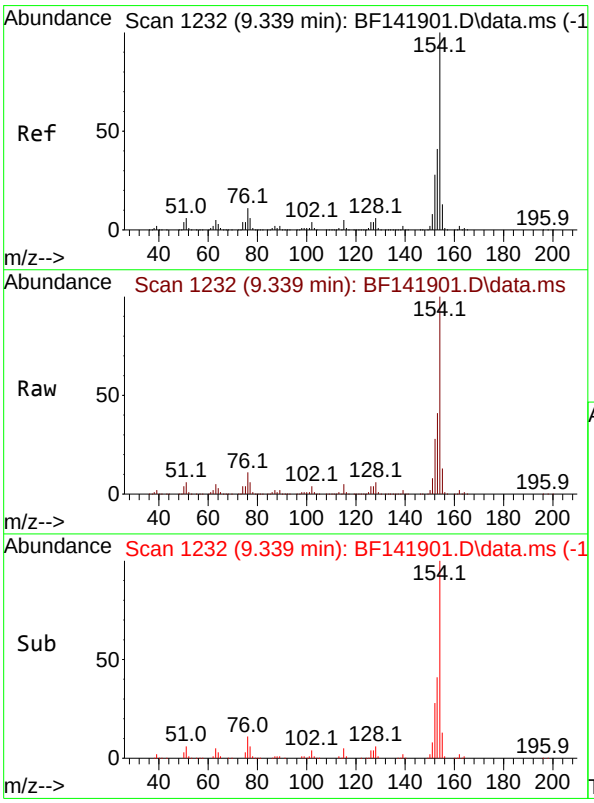

#45
2-Fluorobiphenyl
Concen: 76.357 ng
RT: 9.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:172 Resp: 2475837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.6 | 29.3 | 43.9 |
| 170 | 24.2 | 19.4 | 29.0 |

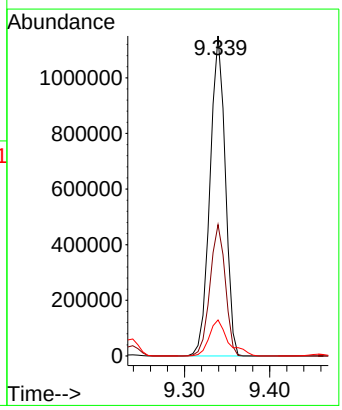


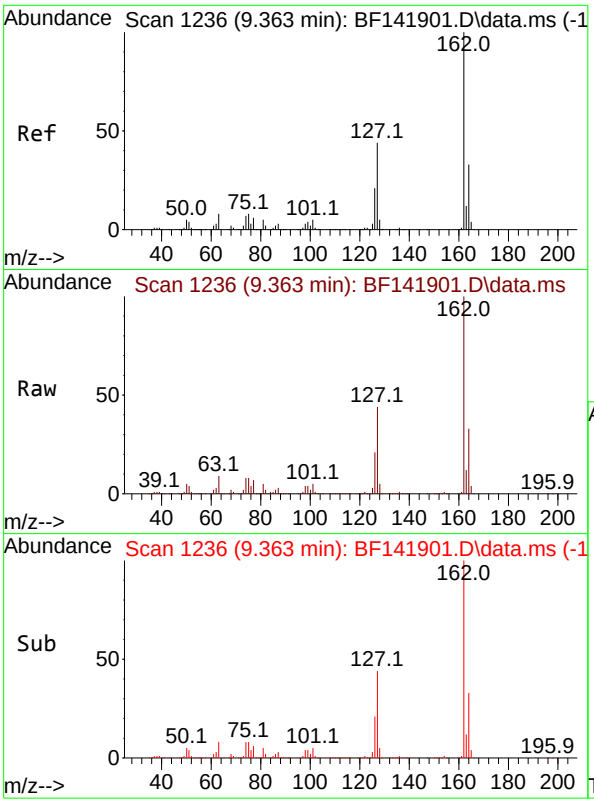




#46
1,1'-Biphenyl
Concen: 38.362 ng
RT: 9.339 min Scan# 1232
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:154 Resp: 1436040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.1 | 21.1 | 61.1 |
| 76 | 11.3 | 0.0 | 31.3 |



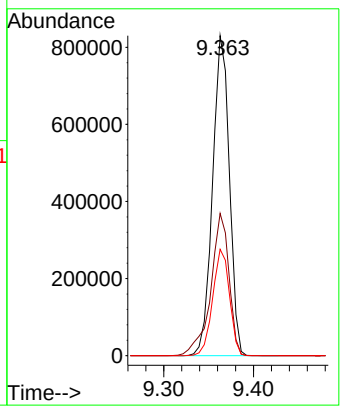


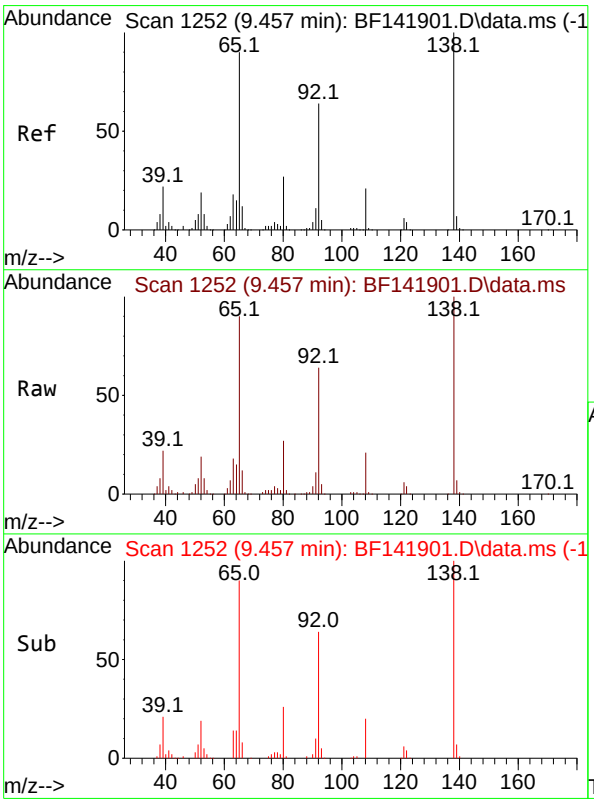

#47
2-Chloronaphthalene
Concen: 38.609 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:162 Resp: 1077099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 44.4 | 35.5 | 53.3 |
| 164 | 33.3 | 26.6 | 40.0 |

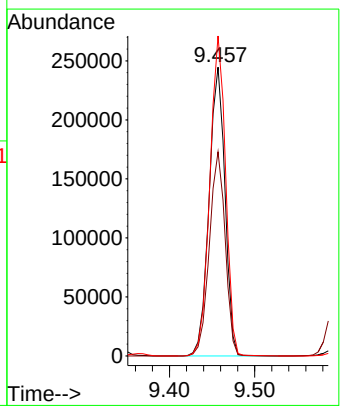


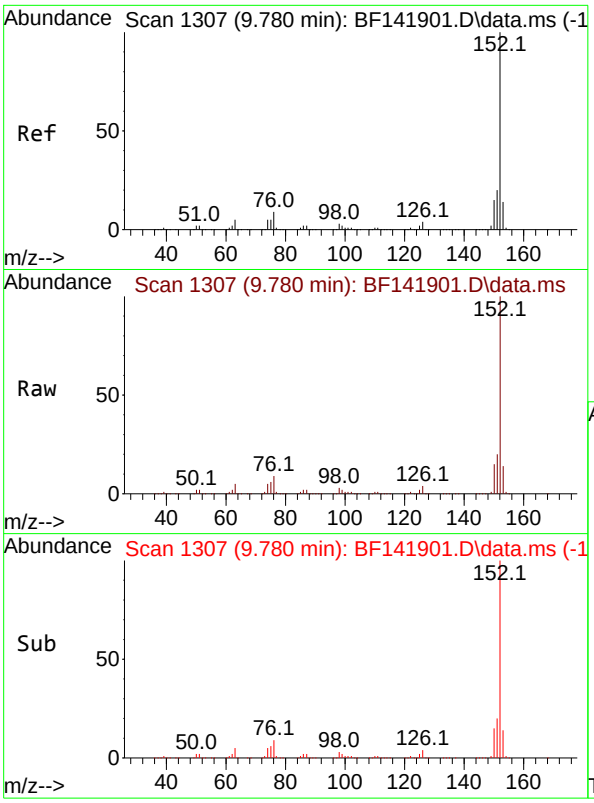




#48
2-Nitroaniline
Concen: 39.690 ng
RT: 9.457 min Scan# 1252
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 65 Resp: 318068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 70.7 | 56.6 | 84.8 |
| 138 | 110.8 | 88.6 | 133.0 |



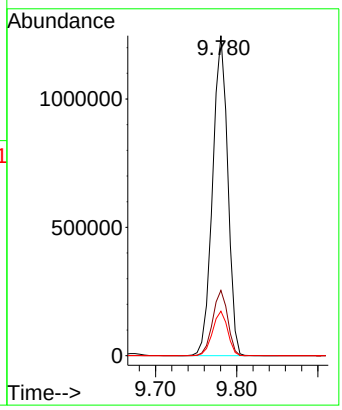


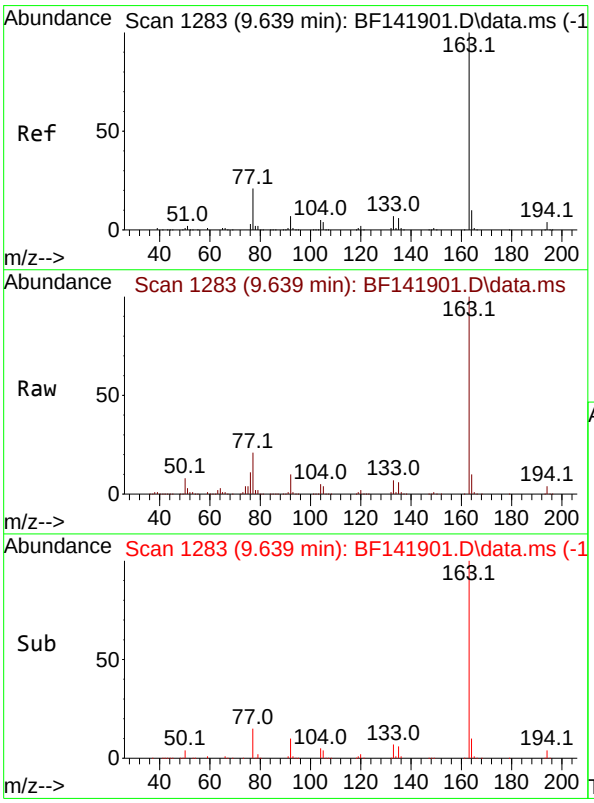

#49
Acenaphthylene
Concen: 39.029 ng
RT: 9.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:152 Resp: 1614250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.4 | 16.3 | 24.5 |
| 153 | 13.9 | 11.1 | 16.7 |

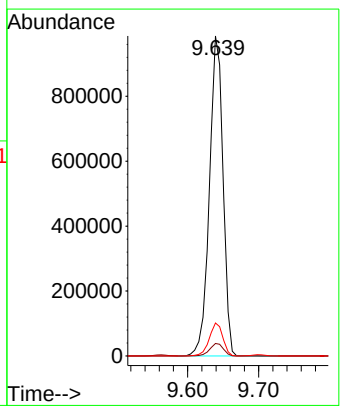


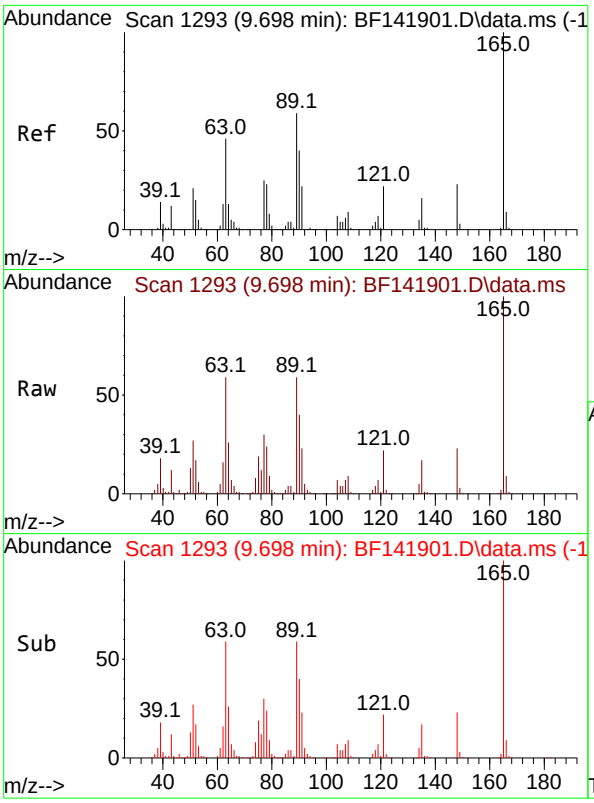




#50
Dimethylphthalate
Concen: 38.270 ng
RT: 9.639 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:163 Resp: 1312856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.1 | 4.7 |
| 164 | 10.3 | 8.2 | 12.4 |



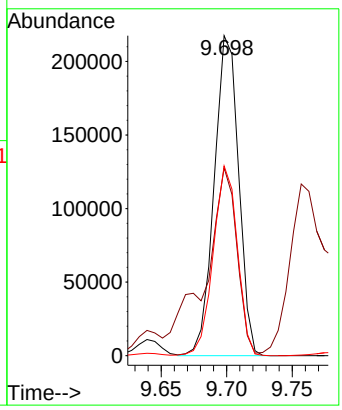


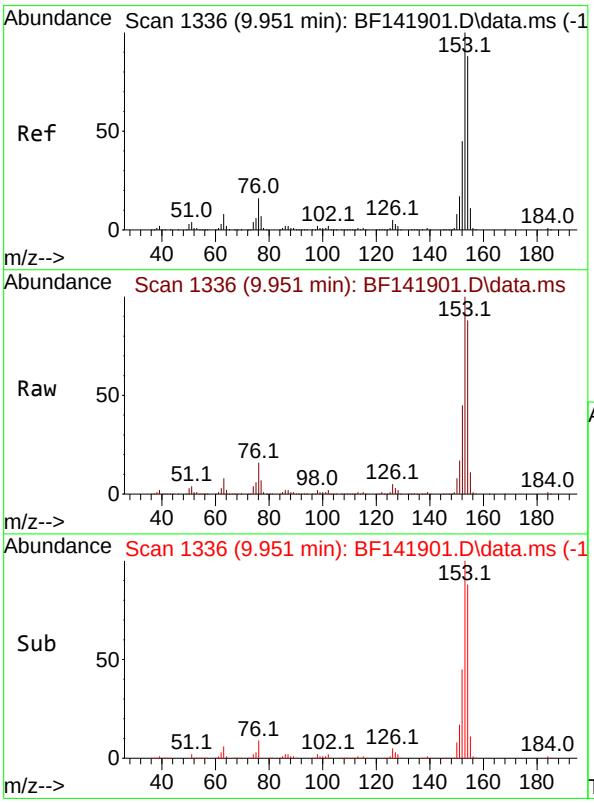

#51
2,6-Dinitrotoluene
Concen: 39.486 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:165 Resp: 281695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 58.7 | 47.0 | 70.4 |
| 89 | 59.3 | 47.4 | 71.2 |

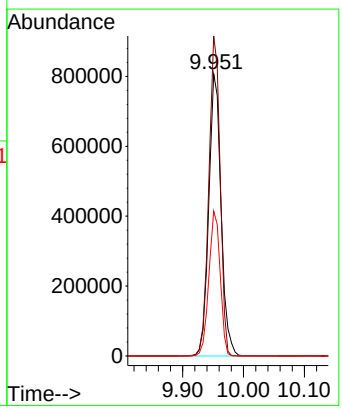


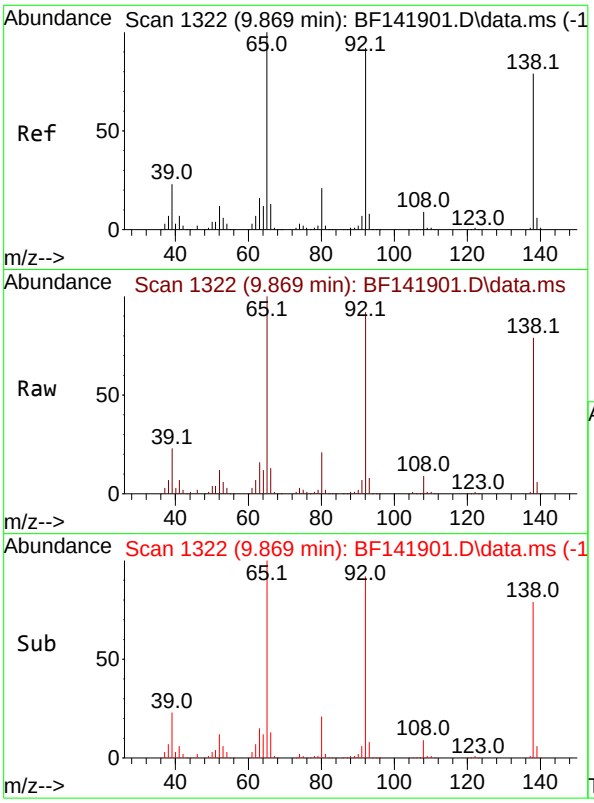




#52
Acenaphthene
Concen: 38.764 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:154 Resp: 1132087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.4 | 90.7 | 136.1 |
| 152 | 51.4 | 41.1 | 61.7 |



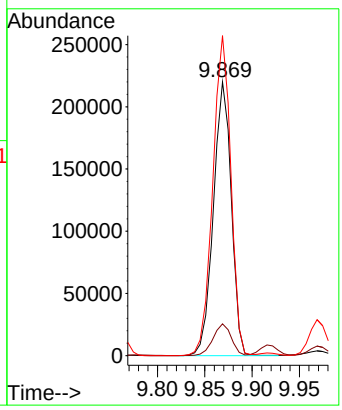


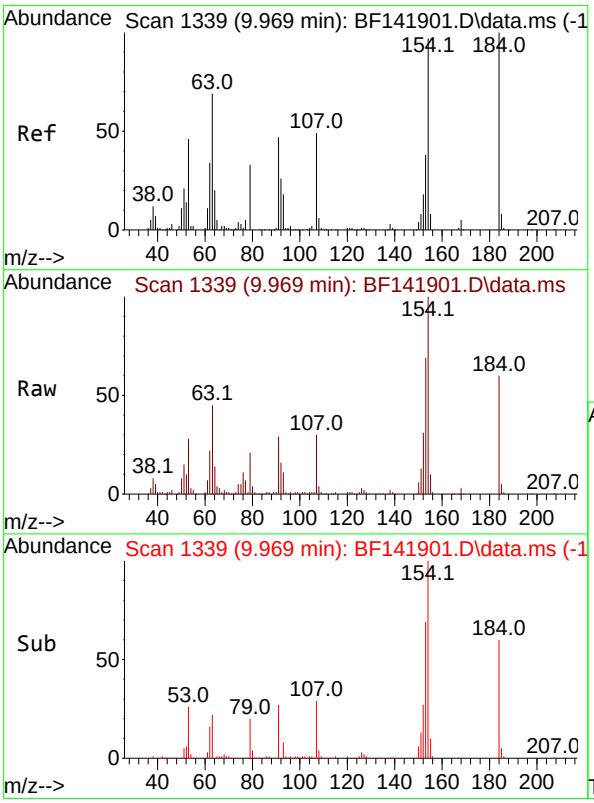

#53
3-Nitroaniline
Concen: 39.481 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:138 Resp: 289208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.6 | 9.3 | 13.9 |
| 92 | 116.9 | 93.5 | 140.3 |

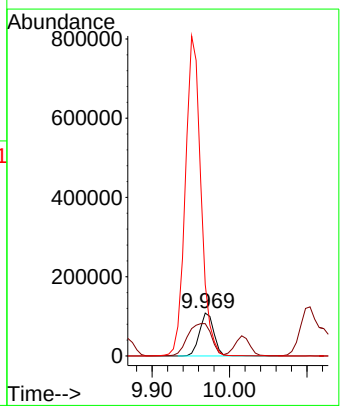


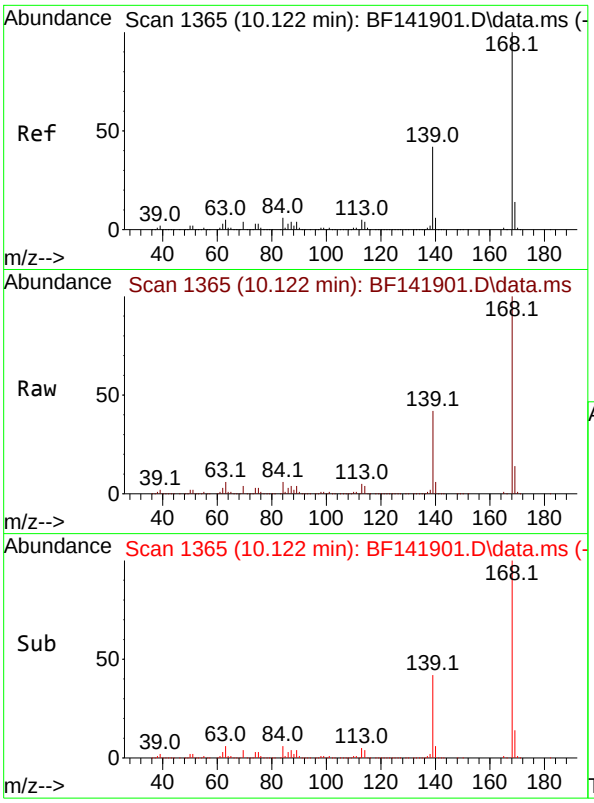




#54
2,4-Dinitrophenol
Concen: 38.116 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:184 Resp: 140024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 75.3 | 60.2 | 90.4 |
| 154 | 166.1 | 132.9 | 199.3 |



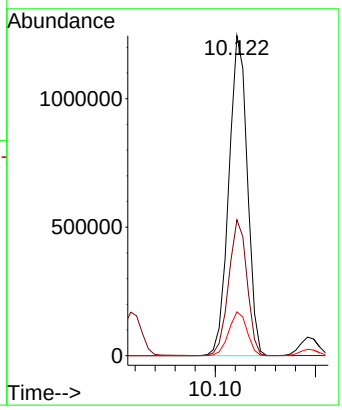


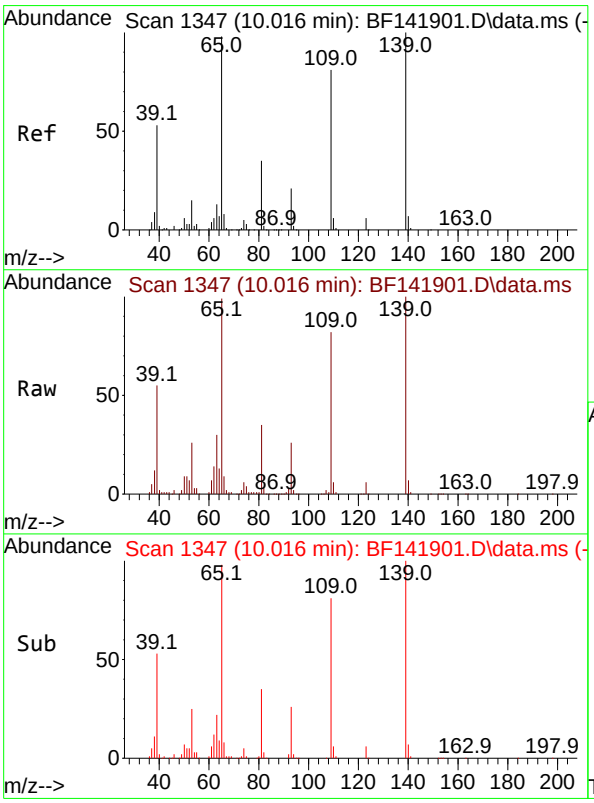

#55
Dibenzofuran
Concen: 38.266 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:168 Resp: 1593454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 42.4 | 33.9 | 50.9 |
| 169 | 13.7 | 11.0 | 16.4 |

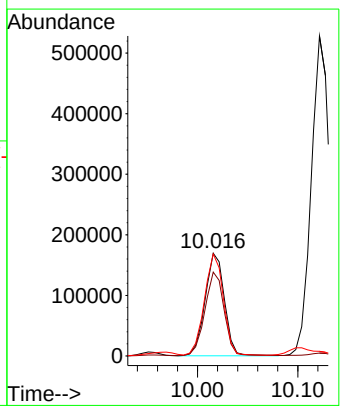


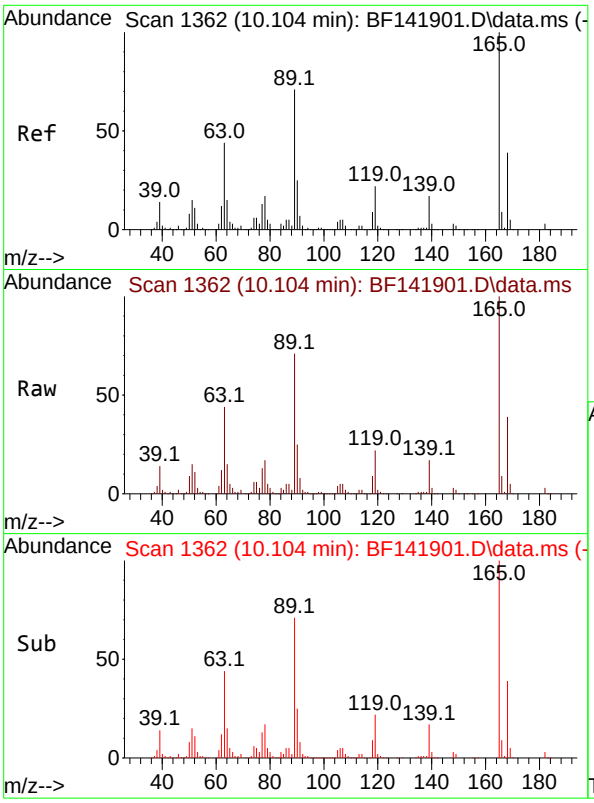




#56
4-Nitrophenol
Concen: 41.266 ng
RT: 10.016 min Scan# 1347
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:139 Resp: 227070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 81.6 | 61.6 | 101.6 |
| 65 | 99.4 | 79.4 | 119.4 |



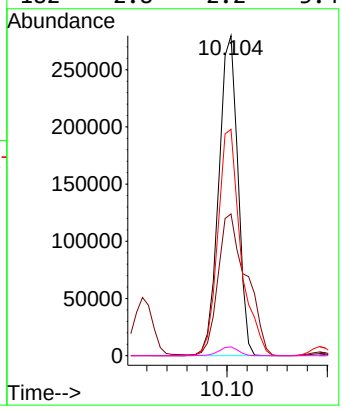


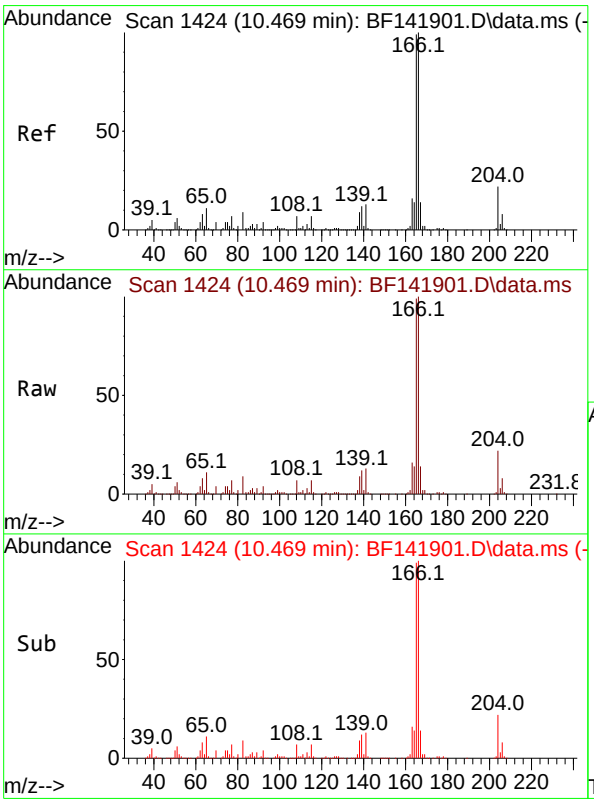

#57
2,4-Dinitrotoluene
Concen: 39.437 ng
RT: 10.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:165 Resp: 370337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 44.3 | 35.4 | 53.2 |
| 89 | 70.7 | 56.6 | 84.8 |
| 182 | 2.8 | 2.2 | 3.4 |

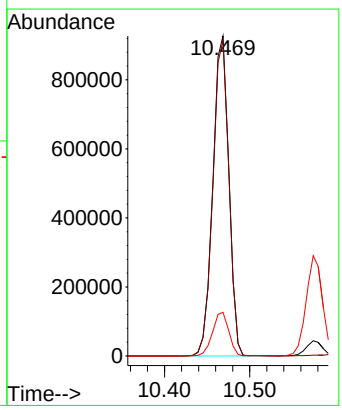


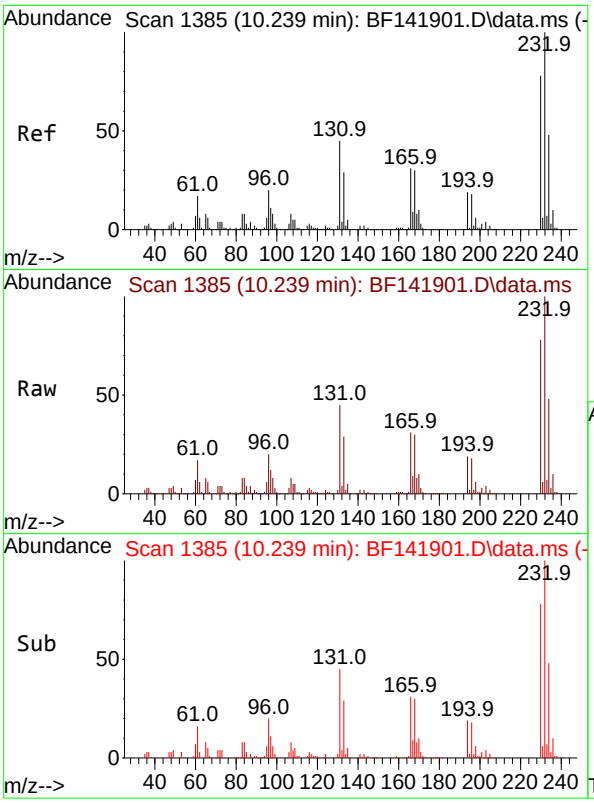




#58
Fluorene
Concen: 37.742 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:166 Resp: 1213316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.7 | 79.0 | 118.4 |
| 167 | 13.7 | 11.0 | 16.4 |



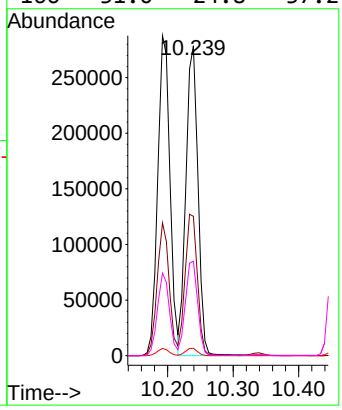


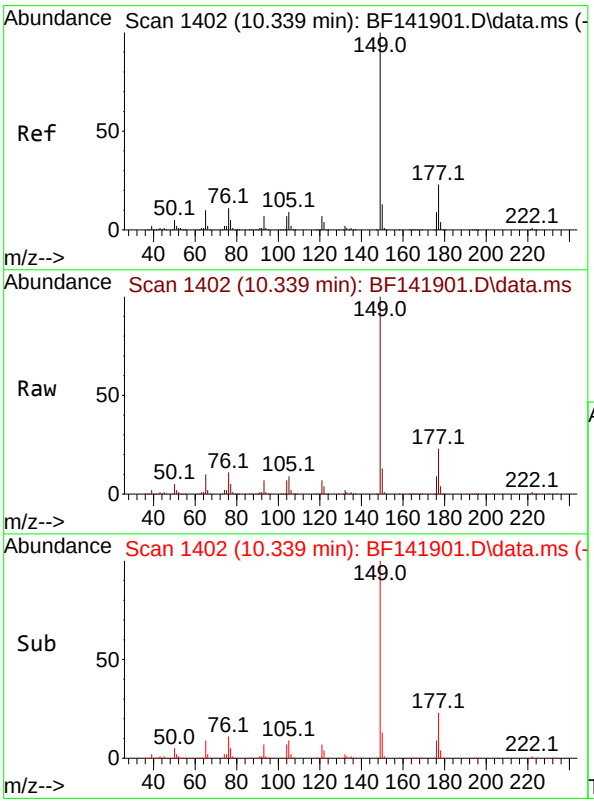

#59
2,3,4,6-Tetrachlorophenol
Concen: 39.225 ng
RT: 10.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:232 Resp: 354863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.6 | 37.3 | 55.9 |
| 130 | 2.4 | 1.9 | 2.9 |
| 166 | 31.0 | 24.8 | 37.2 |

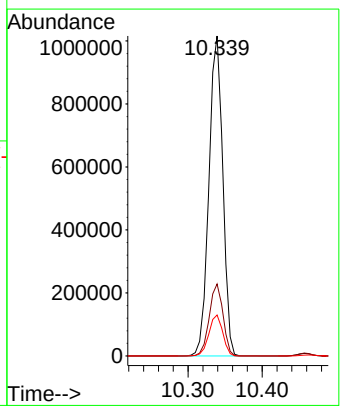


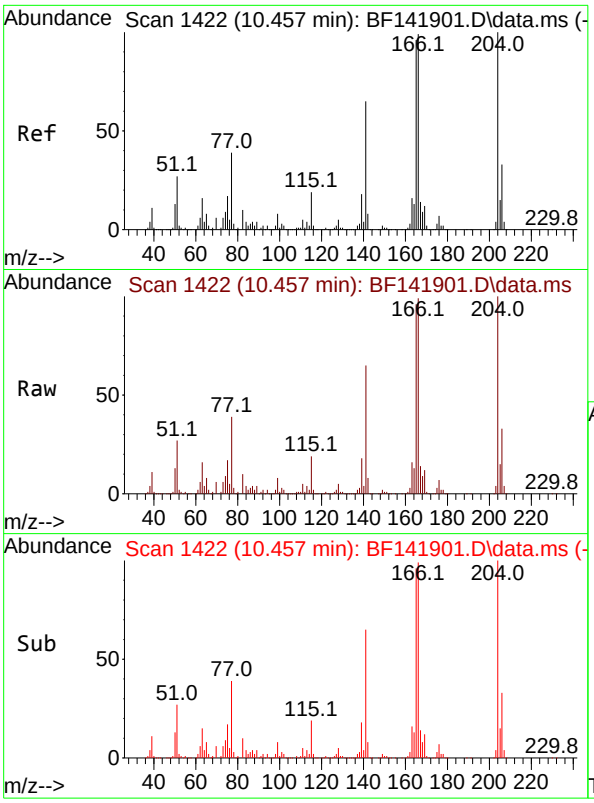




#60
Diethylphthalate
Concen: 38.304 ng
RT: 10.339 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:149 Resp: 1319116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.5 | 18.0 | 27.0 |
| 150 | 12.8 | 10.2 | 15.4 |



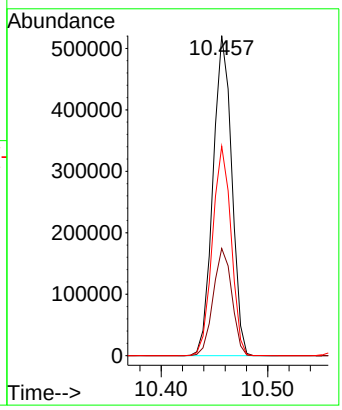


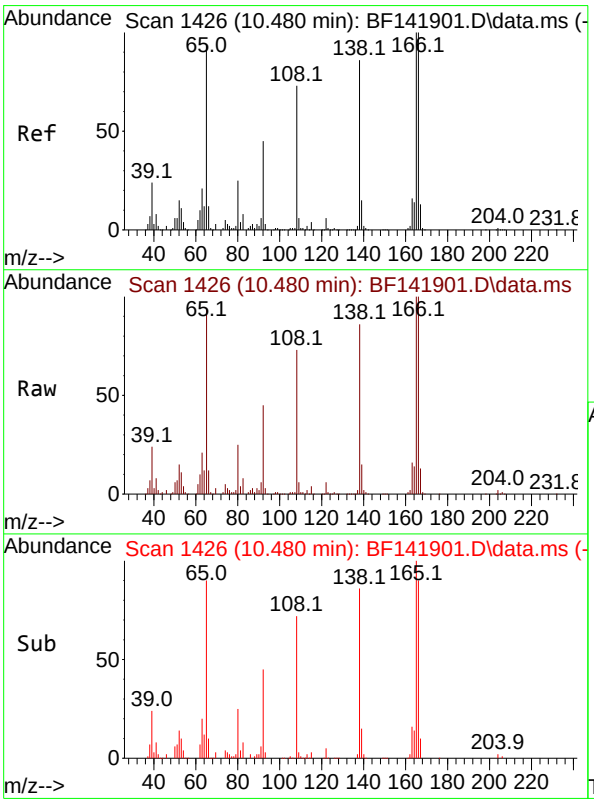

#61
4-Chlorophenyl-phenylether
Concen: 37.950 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:204 Resp: 635445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.5 | 26.8 | 40.2 |
| 141 | 65.5 | 52.4 | 78.6 |

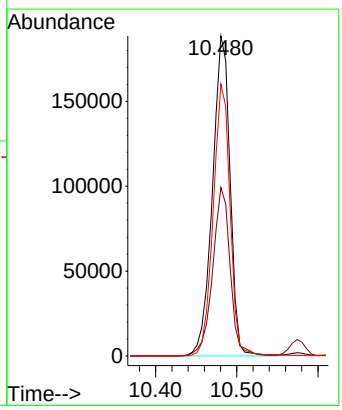


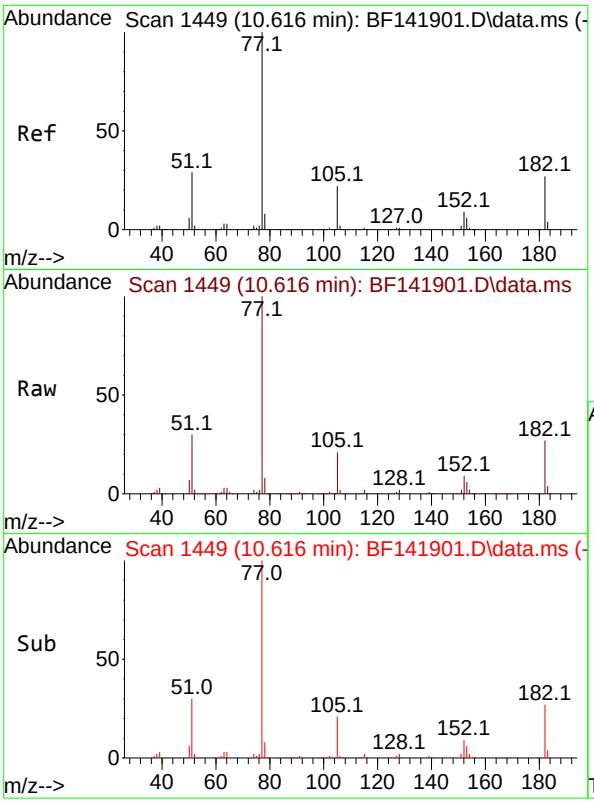




#62
4-Nitroaniline
Concen: 40.097 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:138 Resp: 284615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 52.6 | 32.6 | 72.6 |
| 108 | 85.0 | 65.0 | 105.0 |



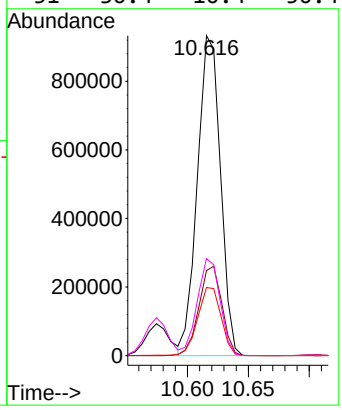


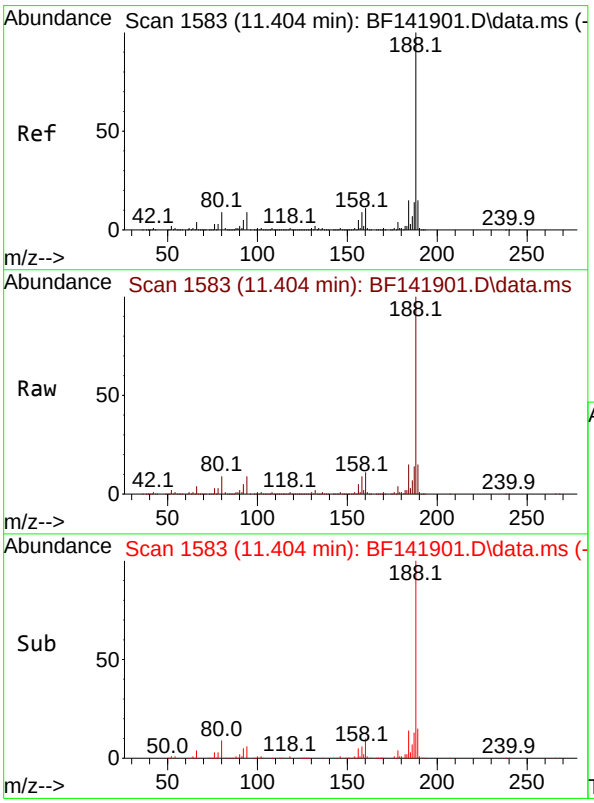

#63
Azobenzene
Concen: 38.432 ng
RT: 10.616 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion: 77 Resp: 1229473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 26.6 | 6.6 | 46.6 |
| 105 | 21.3 | 1.3 | 41.3 |
| 51 | 30.4 | 10.4 | 50.4 |

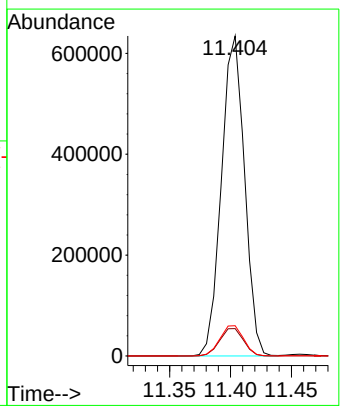


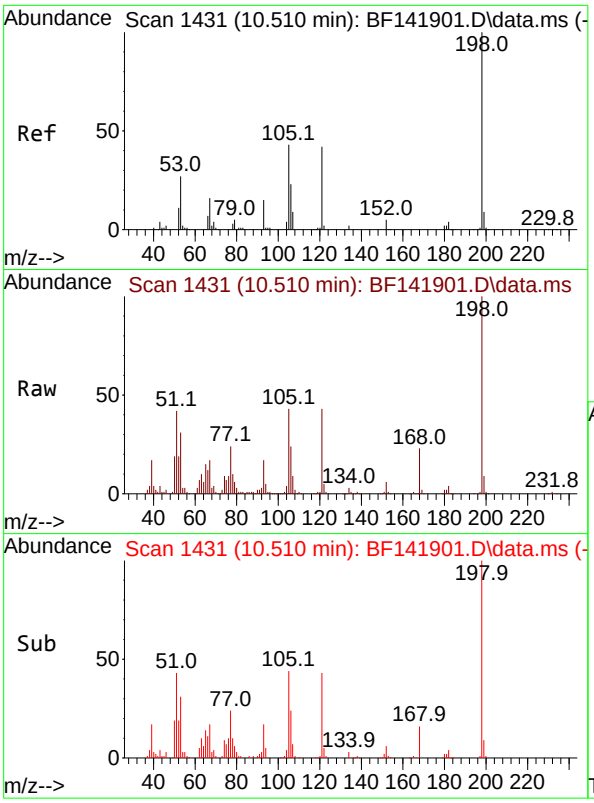




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:188 Resp: 839154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.5 | 6.8 | 10.2 |
| 80 | 9.5 | 7.6 | 11.4 |



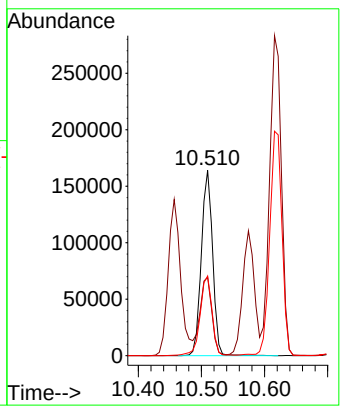


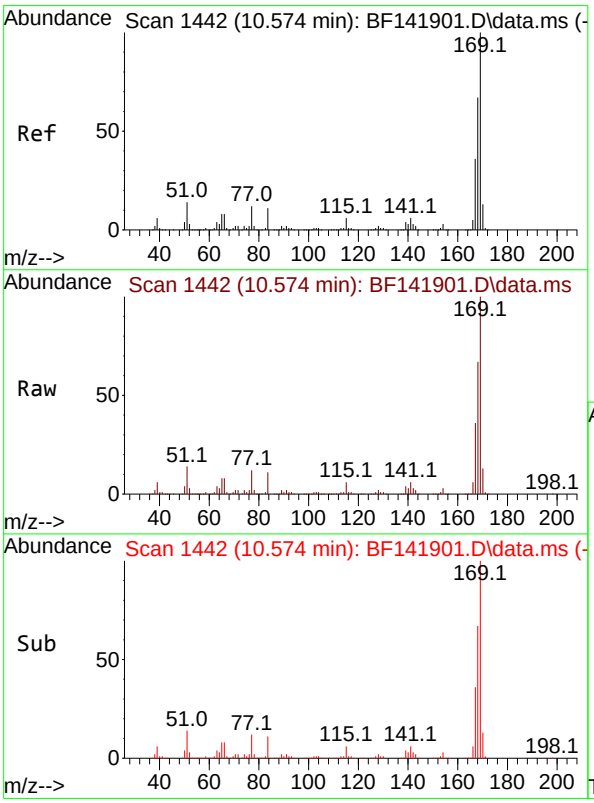

#65
4,6-Dinitro-2-methylphenol
Concen: 40.827 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:198 Resp: 203106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 42.3 | 22.3 | 62.3 |
| 105 | 43.0 | 23.0 | 63.0 |

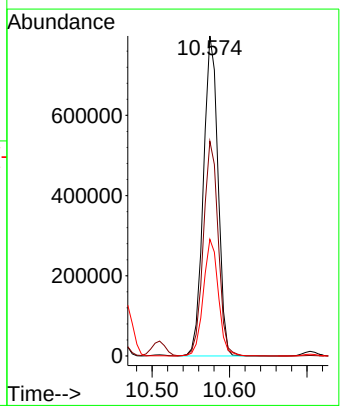


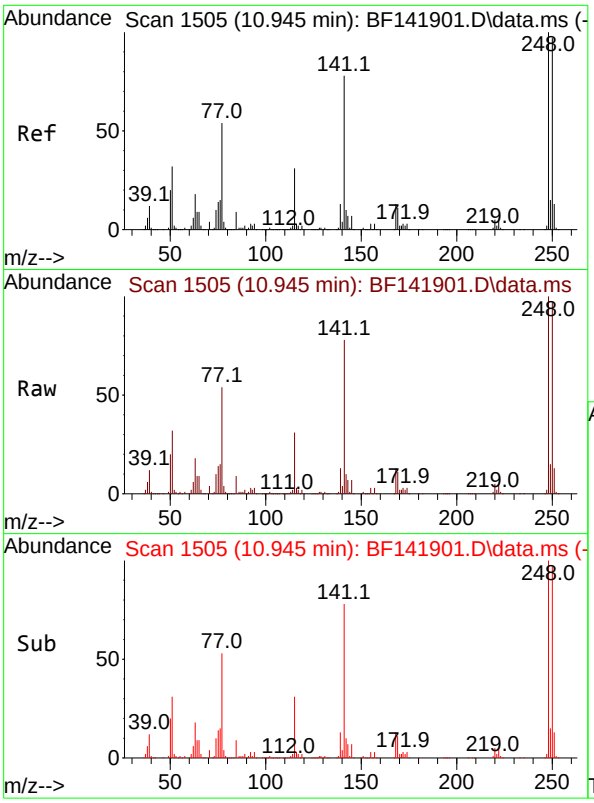




#66
n-Nitrosodiphenylamine
Concen: 38.415 ng
RT: 10.574 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:169 Resp: 1041349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.1 | 53.7 | 80.5 |
| 167 | 36.5 | 29.2 | 43.8 |



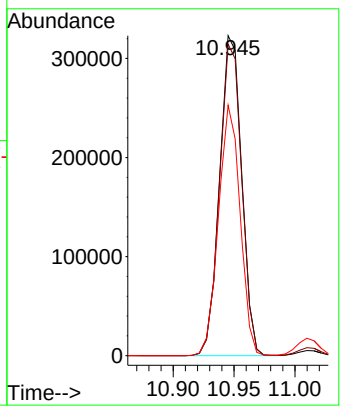


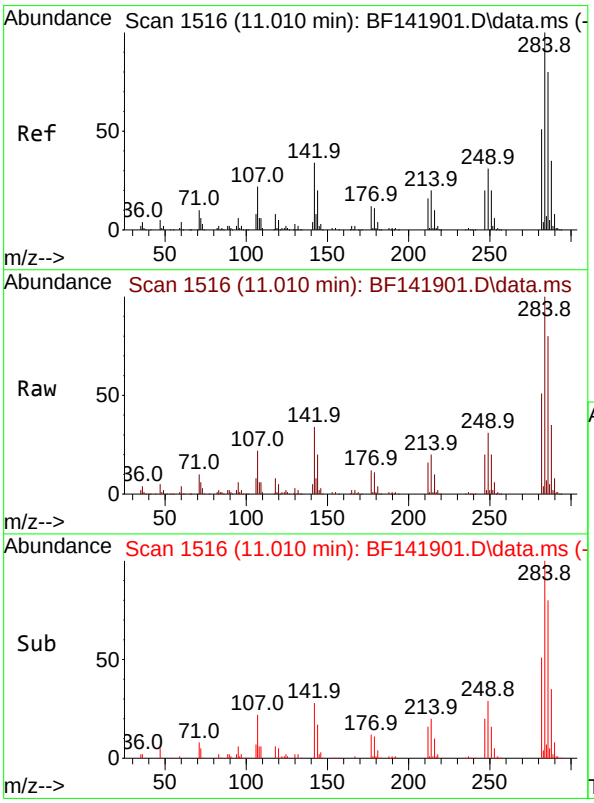

#67
4-Bromophenyl-phenylether
Concen: 39.195 ng
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:248 Resp: 409602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.3 | 77.8 | 116.8 |
| 141 | 78.2 | 62.6 | 93.8 |

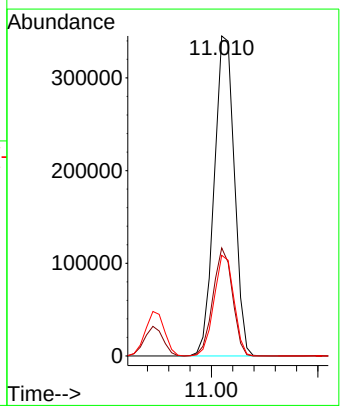


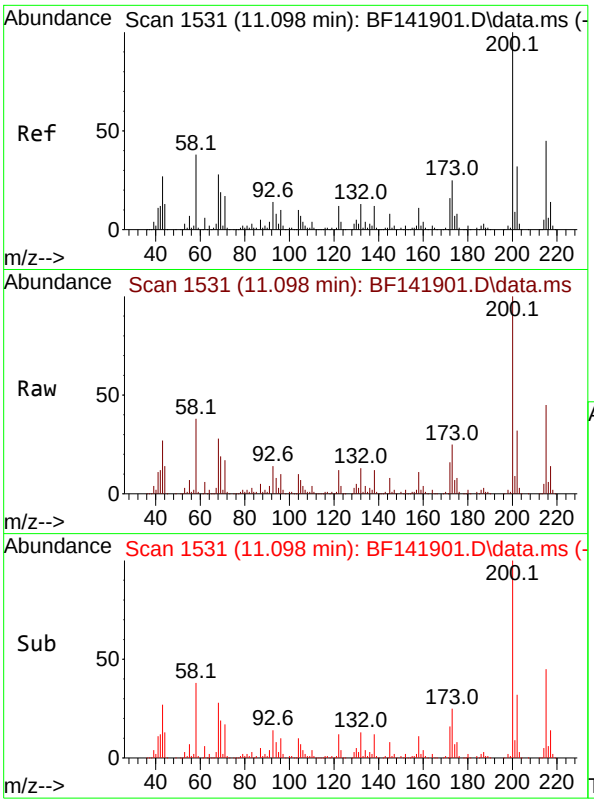




#68
Hexachlorobenzene
Concen: 39.146 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:284 Resp: 452189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 33.8 | 27.0 | 40.6 |
| 249 | 31.5 | 25.2 | 37.8 |



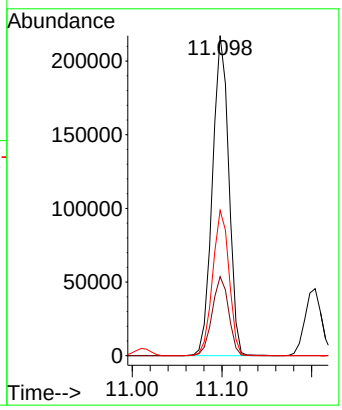


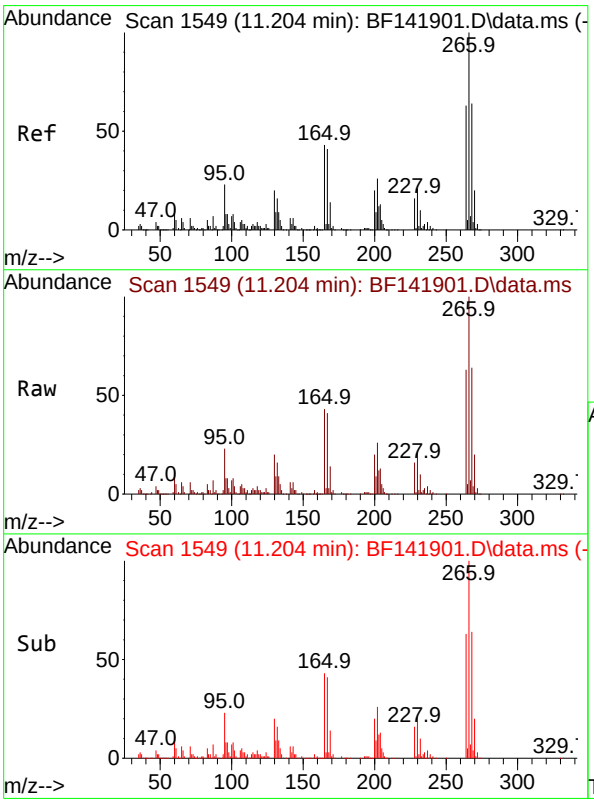

#69
Atrazine
Concen: 41.614 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:200 Resp: 275084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 24.7 | 4.7 | 44.7 |
| 215 | 45.4 | 25.4 | 65.4 |

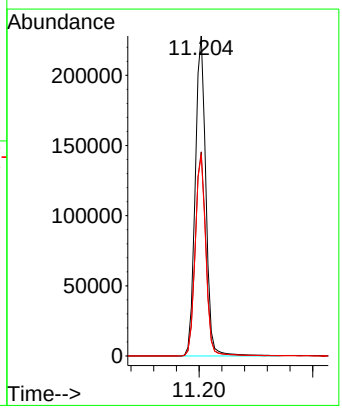


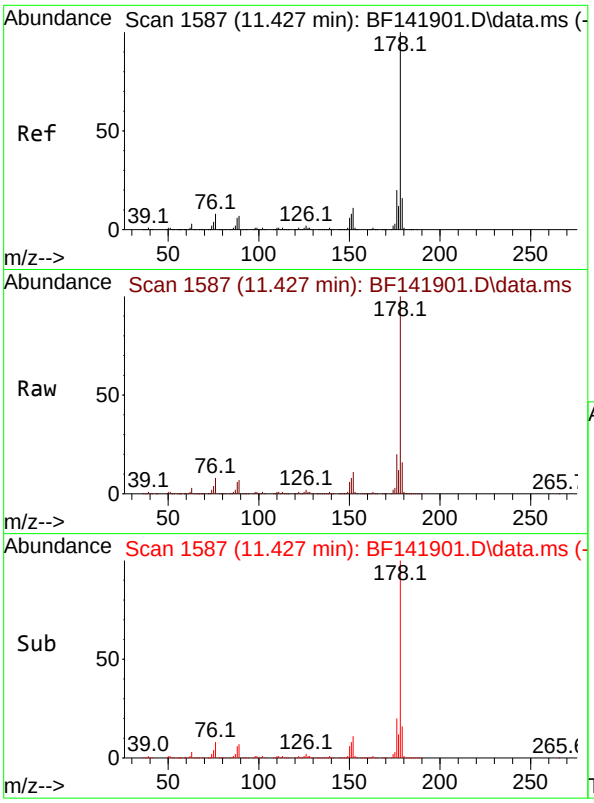




#70
Pentachlorophenol
Concen: 41.818 ng
RT: 11.204 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:266 Resp: 297893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.8 | 51.0 | 76.6 |
| 264 | 62.7 | 50.2 | 75.2 |



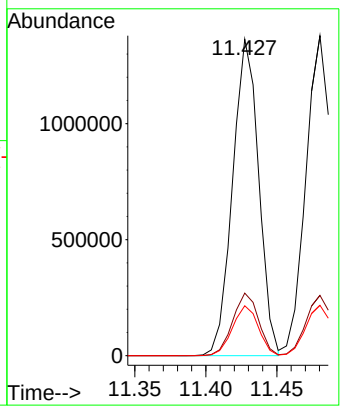


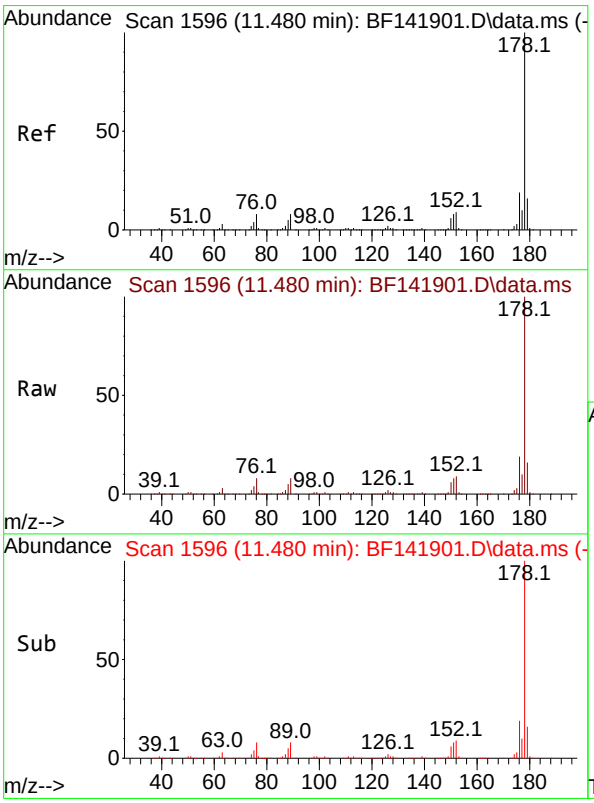

#71
Phenanthrene
Concen: 38.373 ng
RT: 11.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:178 Resp: 1741309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.8 | 15.8 | 23.8 |
| 179 | 15.8 | 12.6 | 19.0 |

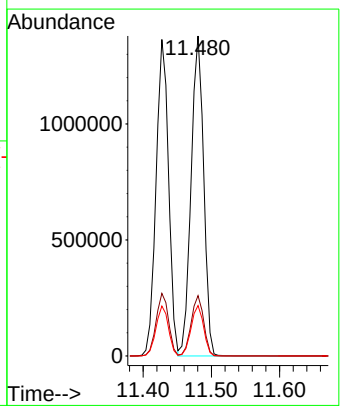


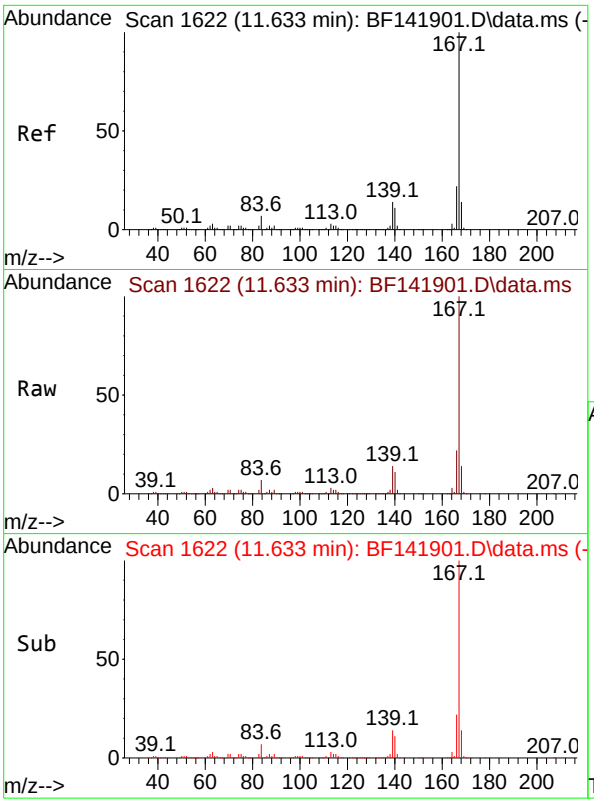




#72
Anthracene
Concen: 38.571 ng
RT: 11.480 min Scan# 1596
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:178 Resp: 1756035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 15.1 | 22.7 |
| 179 | 15.8 | 12.6 | 19.0 |



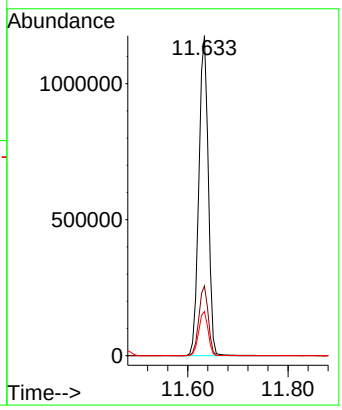


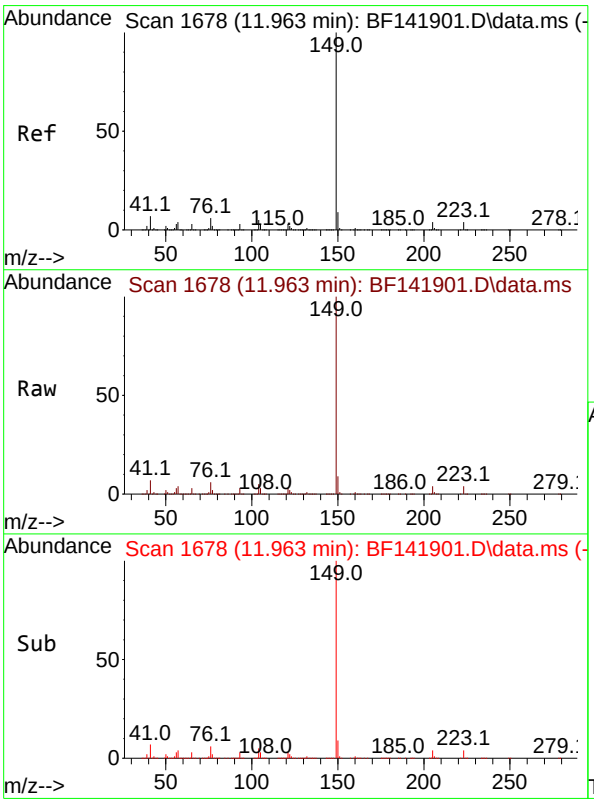

#73
Carbazole
Concen: 38.898 ng
RT: 11.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:167 Resp: 1524663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.8 | 17.4 | 26.2 |
| 139 | 13.8 | 11.0 | 16.6 |

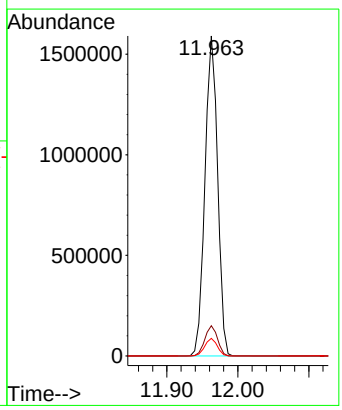


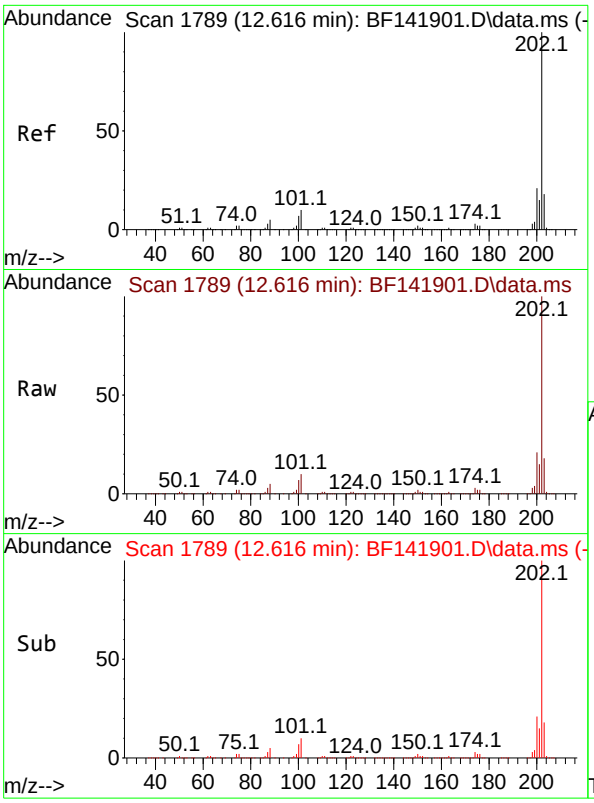




#74
Di-n-butylphthalate
Concen: 38.175 ng
RT: 11.963 min Scan# 1678
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:149 Resp: 1975625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.5 | 7.6 | 11.4 |
| 104 | 5.5 | 4.4 | 6.6 |



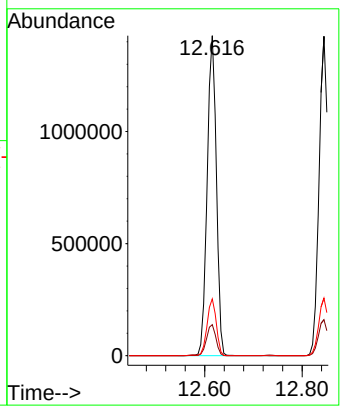


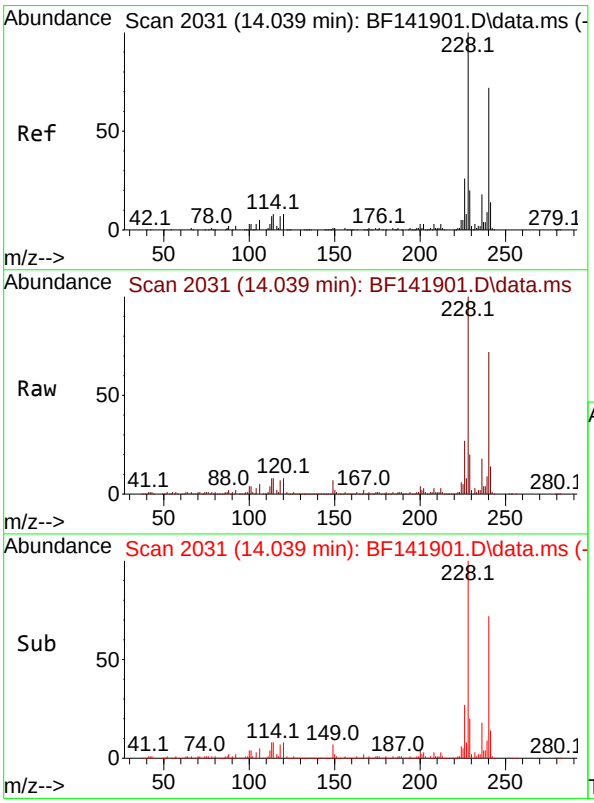

#75
Fluoranthene
Concen: 39.049 ng
RT: 12.616 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:202 Resp: 1860202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.7 | 0.0 | 29.7 |
| 203 | 17.8 | 0.0 | 37.8 |

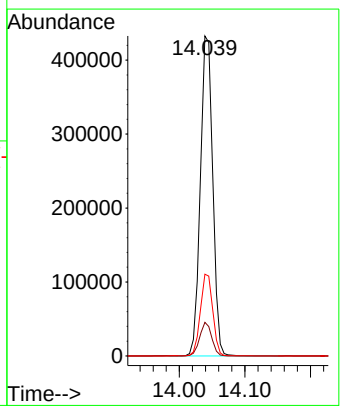


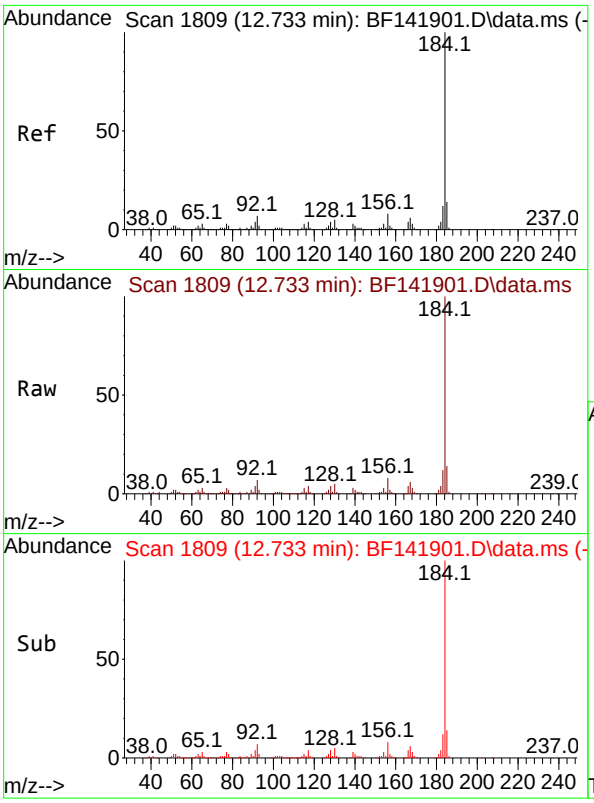




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:240 Resp: 569865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.5 | 8.4 | 12.6 |
| 236 | 25.6 | 20.5 | 30.7 |



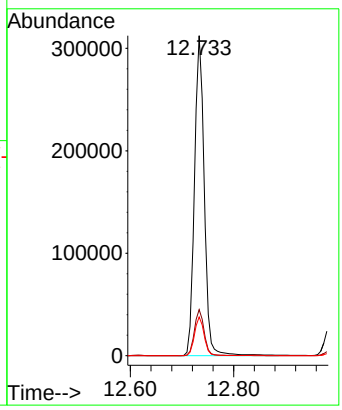


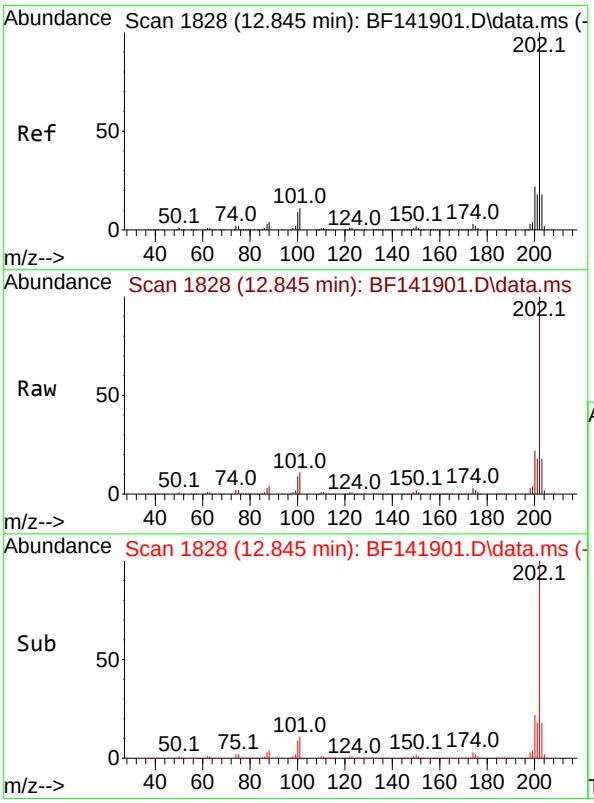

#77
Benzidine
Concen: 50.915 ng
RT: 12.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:184 Resp: 410026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.4 | 11.5 | 17.3 |
| 183 | 12.1 | 9.7 | 14.5 |

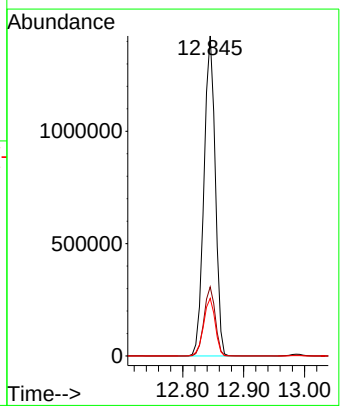


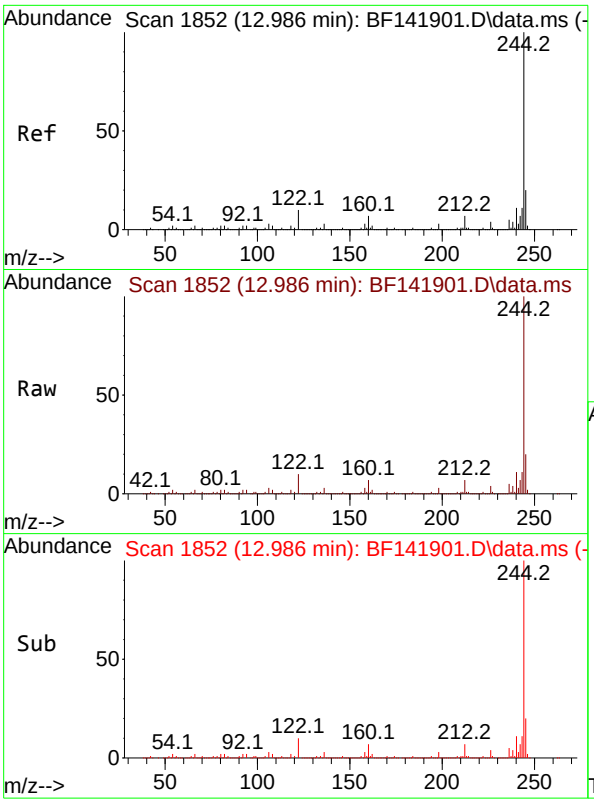




#78
Pyrene
Concen: 37.567 ng
RT: 12.845 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:202 Resp: 1835917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.6 | 17.3 | 25.9 |
| 203 | 18.0 | 14.4 | 21.6 |



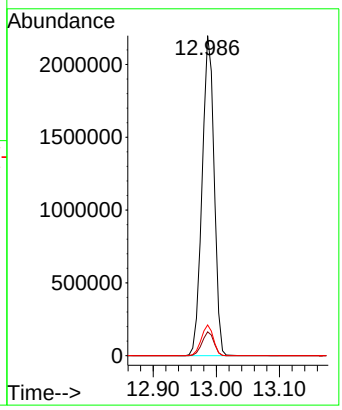


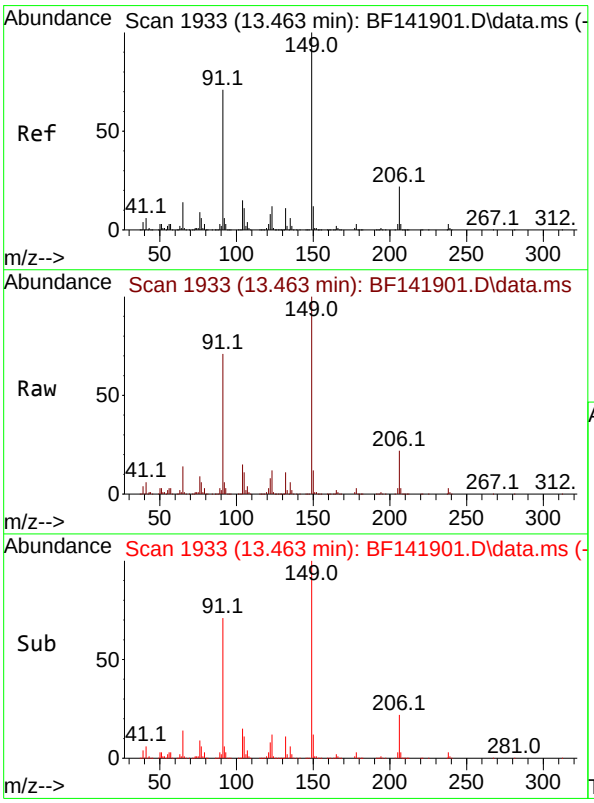

#79
Terphenyl-d14
Concen: 75.440 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:244 Resp: 2908357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.5 | 6.0 | 9.0 |
| 122 | 9.6 | 7.7 | 11.5 |

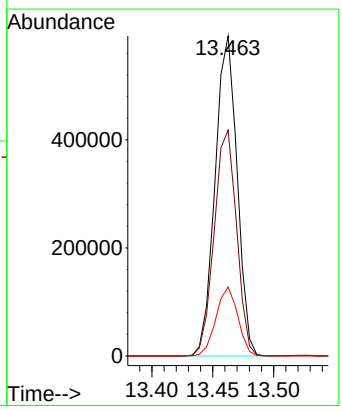


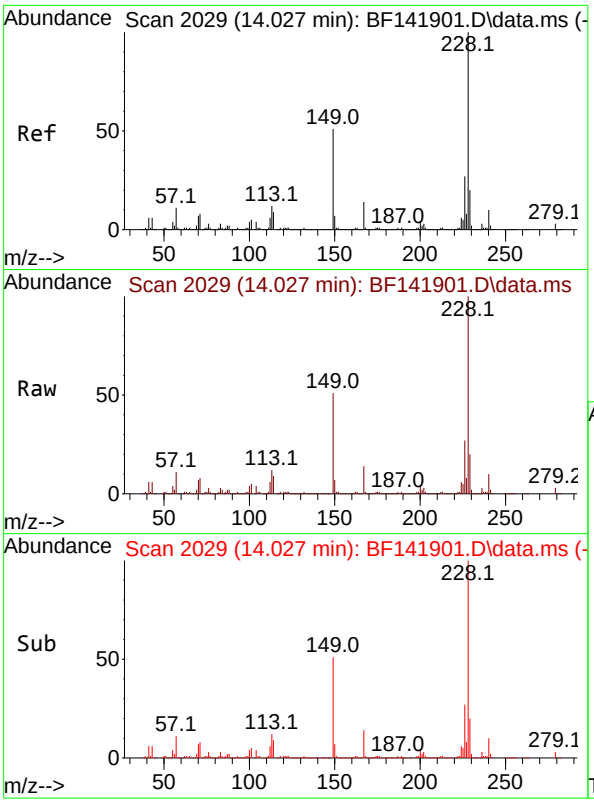




#80
Butylbenzylphthalate
Concen: 38.769 ng
RT: 13.463 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:149 Resp: 746613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 70.6 | 56.5 | 84.7 |
| 206 | 21.6 | 17.3 | 25.9 |



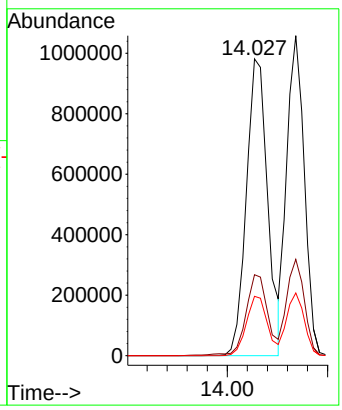


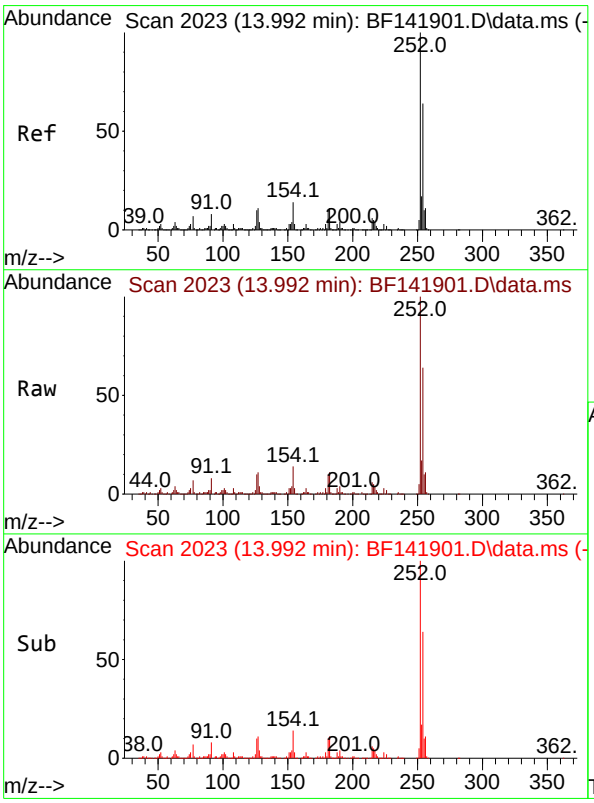

#81
Benzo(a)anthracene
Concen: 38.713 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:228 Resp: 1451332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.3 | 21.8 | 32.8 |
| 229 | 20.0 | 16.0 | 24.0 |

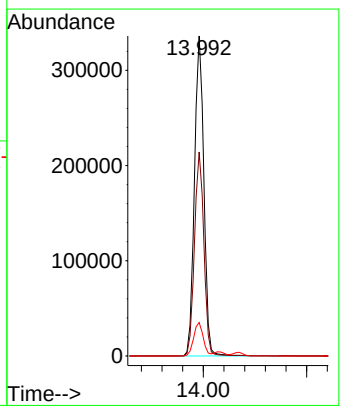


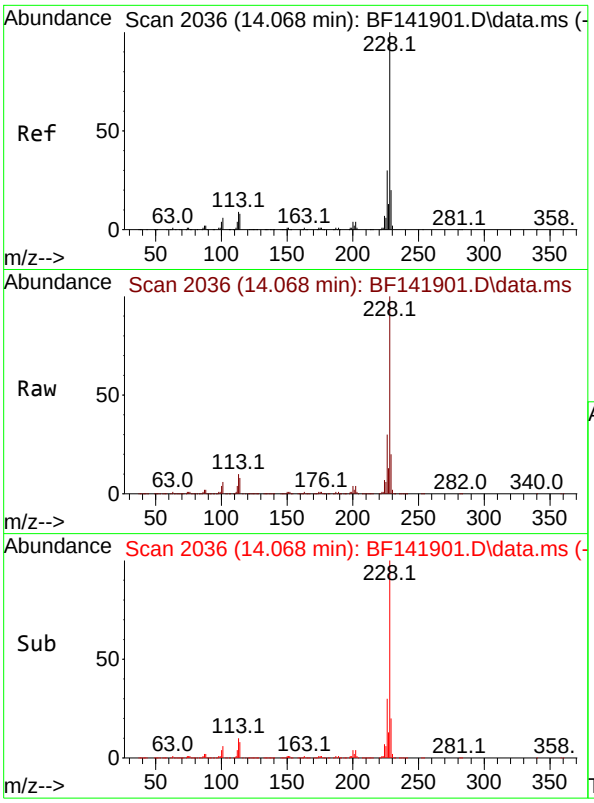




#82
3,3'-Dichlorobenzidine
Concen: 39.114 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:252 Resp: 423835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.8 | 51.0 | 76.6 |
| 126 | 10.5 | 8.4 | 12.6 |



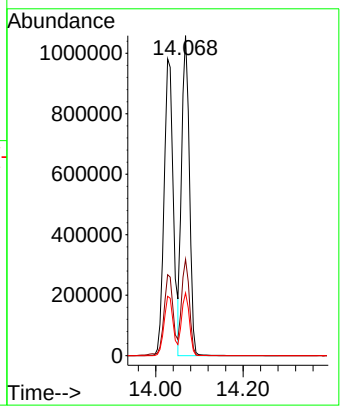


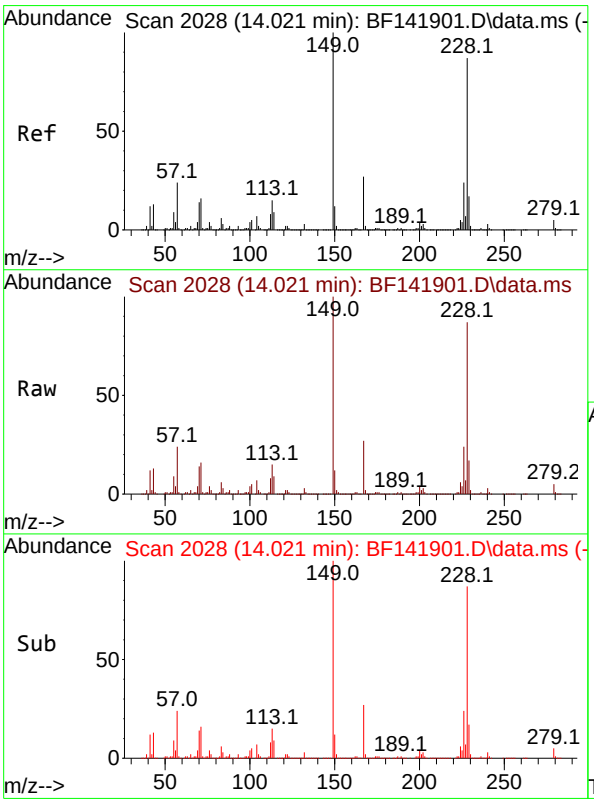

#83
Chrysene
Concen: 38.439 ng
RT: 14.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:228 Resp: 1294538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 24.1 | 36.1 |
| 229 | 19.6 | 15.7 | 23.5 |

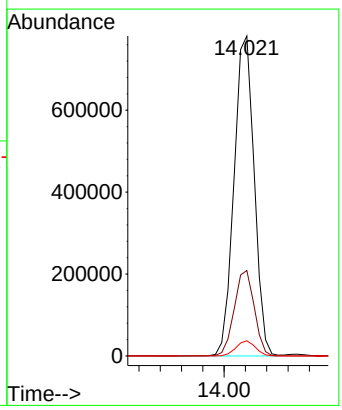


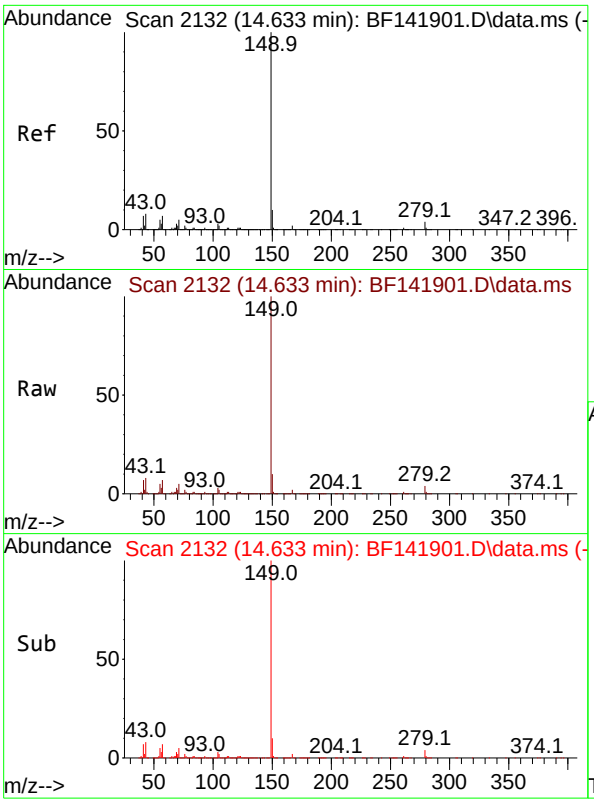




#84
Bis(2-ethylhexyl)phthalate
Concen: 38.985 ng
RT: 14.021 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:149 Resp: 1029987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.7 | 21.4 | 32.0 |
| 279 | 4.7 | 3.8 | 5.6 |



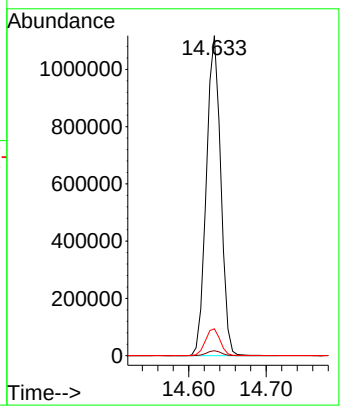


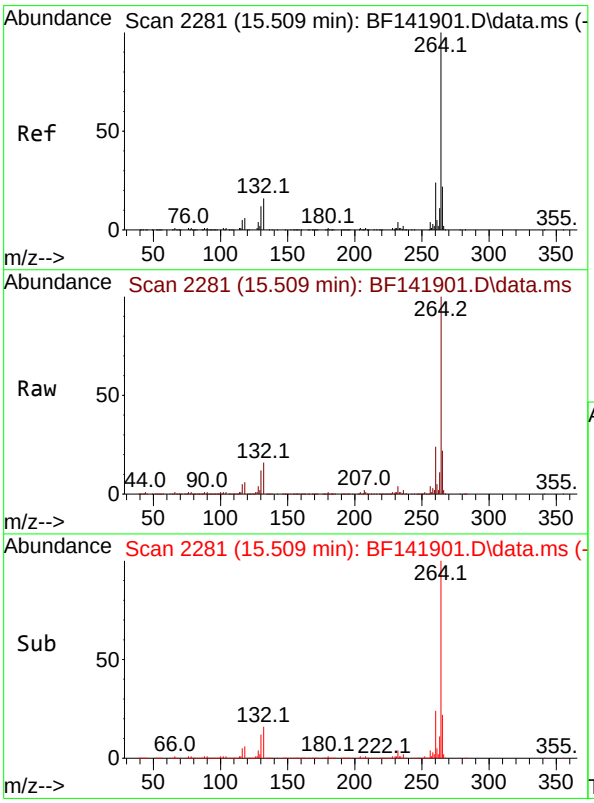

#85
Di-n-octyl phthalate
Concen: 39.193 ng
RT: 14.633 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:149 Resp: 1441248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 8.6 | 6.9 | 10.3 |

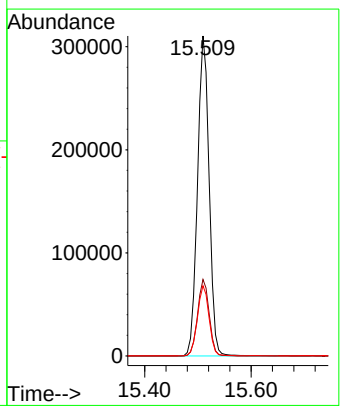


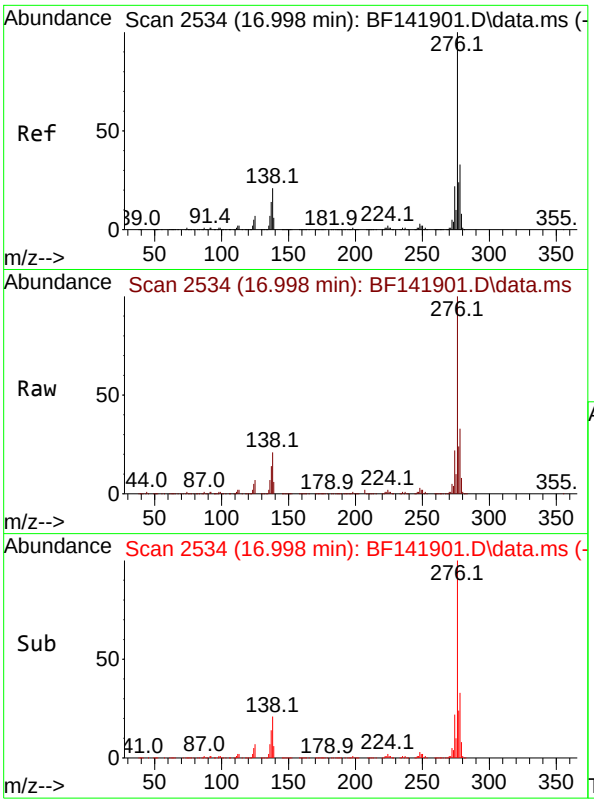




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:264 Resp: 469286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 19.1 | 28.7 |
| 265 | 21.9 | 17.5 | 26.3 |



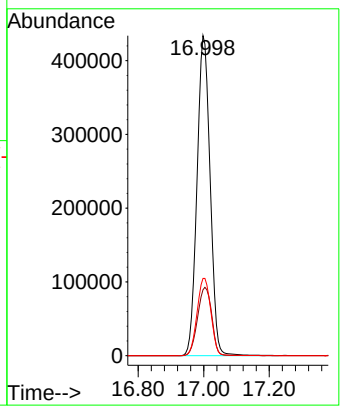


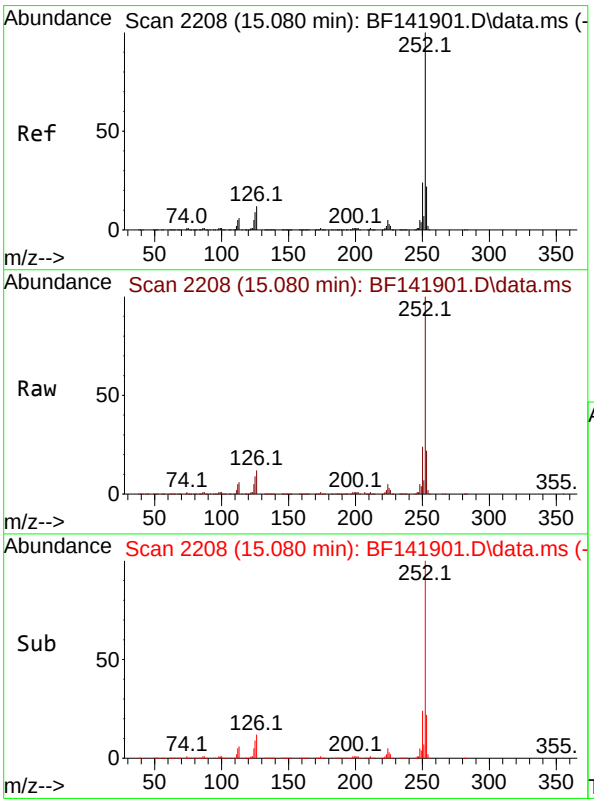

#87
Indeno(1,2,3-cd)pyrene
Concen: 39.681 ng
RT: 16.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:276 Resp: 1207616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.0 | 18.4 | 27.6 |
| 277 | 25.4 | 20.3 | 30.5 |

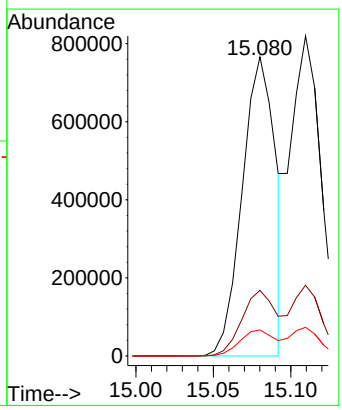


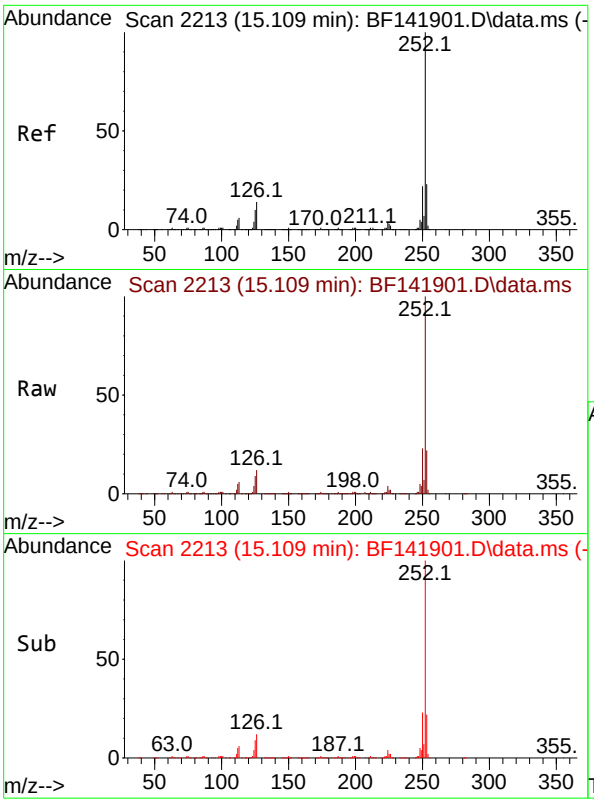




#88
Benzo(b)fluoranthene
Concen: 35.673 ng
RT: 15.080 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:252 Resp: 1135547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.5 | 26.3 |
| 125 | 8.7 | 7.0 | 10.4 |



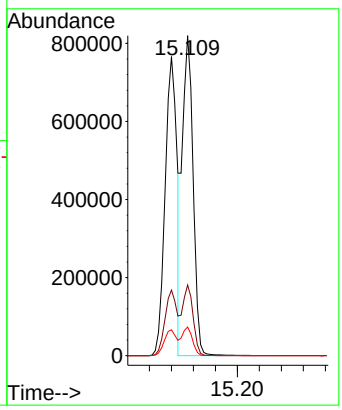


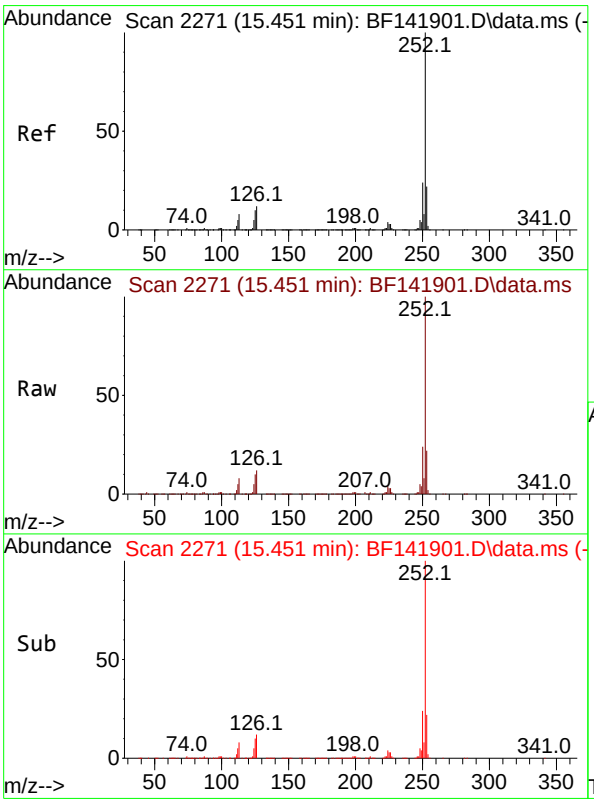

#89
Benzo(k)fluoranthene
Concen: 40.661 ng
RT: 15.109 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:252 Resp: 1130615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.7 | 26.5 |
| 125 | 9.0 | 7.2 | 10.8 |

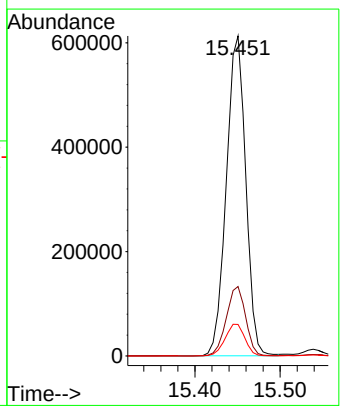


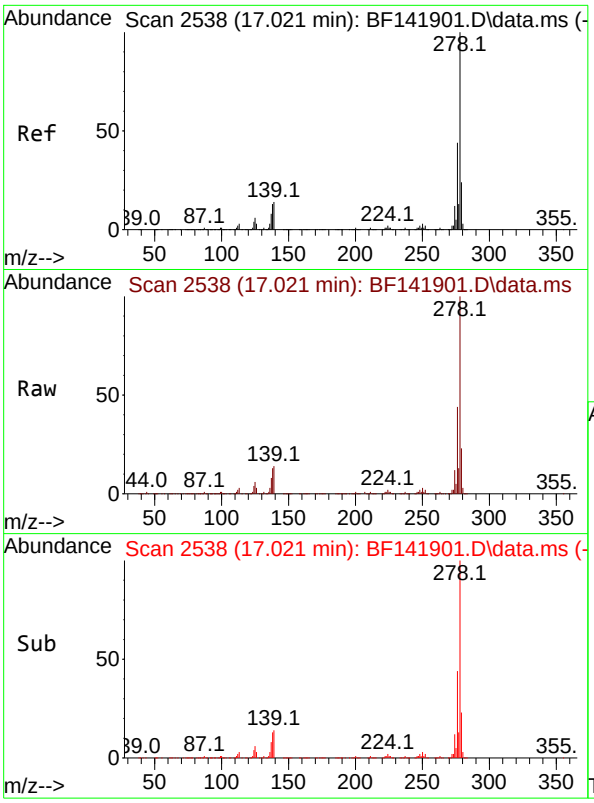




#90
Benzo(a)pyrene
Concen: 38.727 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:252 Resp: 972220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.4 | 26.0 |
| 125 | 9.8 | 7.8 | 11.8 |



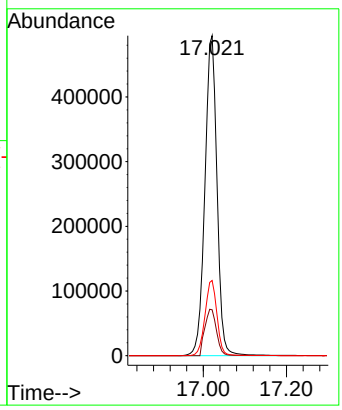


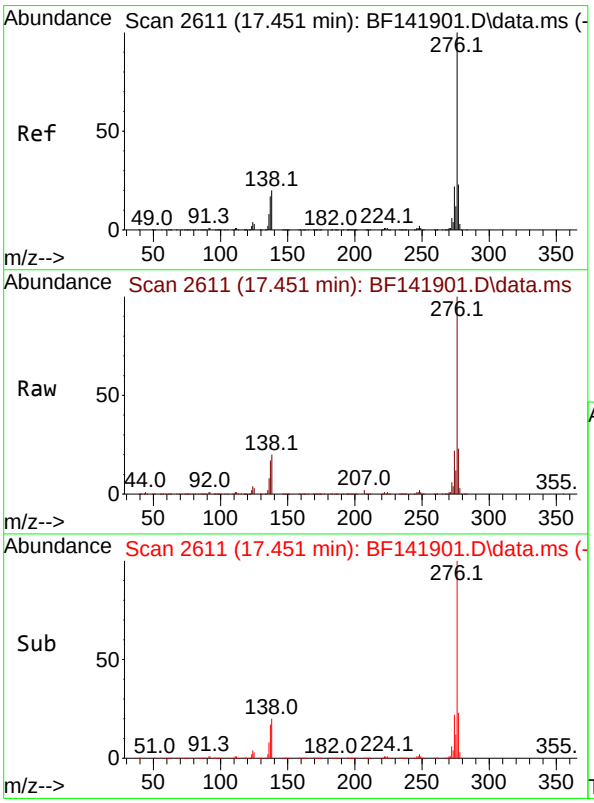

#91
Dibenzo(a,h)anthracene
Concen: 39.933 ng
RT: 17.021 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICCC040

Tgt Ion:278 Resp: 1002747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.3 | 11.4 | 17.2 |
| 279 | 23.5 | 18.8 | 28.2 |

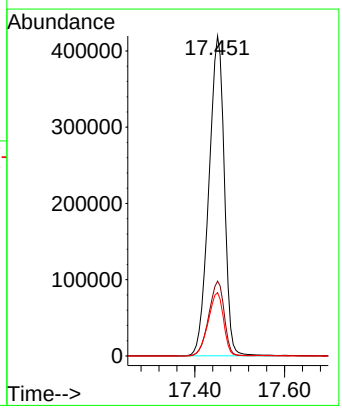



#92
Benzo(g,h,i)perylene
Concen: 40.149 ng
RT: 17.451 min Scan# 2611
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:276 Resp: 999947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.4 | 18.7 | 28.1 |
| 138 | 19.8 | 15.8 | 23.8 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141903.D
Acq On : 10 Mar 2025 13:57
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Quant Time: Mar 10 15:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 216861 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.169 | 136 | 872222 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.922 | 164 | 497194 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.404 | 188 | 827202 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.045 | 240 | 468454 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.509 | 264 | 407346 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.498 | 112 | 1490872 | 114.705 | ng | | 0.00 |
| 7) Phenol-d6 | 6.510 | 99 | 1913610 | 115.601 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.451 | 82 | 1899726 | 122.074 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.710 | 330 | 791365 | 125.609 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.239 | 172 | 3716590 | 113.827 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.992 | 244 | 3982780 | 125.675 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.669 | 88 | 325927 | 59.832 | ng | | 99 |
| 3) Pyridine | 3.440 | 79 | 786537 | 58.753 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.404 | 42 | 386646 | 60.759 | ng | | 100 |
| 6) Aniline | 6.551 | 93 | 933875 | 57.146 | ng | | 99 |
| 8) 2-Chlorophenol | 6.669 | 128 | 835549 | 58.000 | ng | | 97 |
| 9) Benzaldehyde | 6.434 | 77 | 465511 | 50.311 | ng | | 100 |
| 10) Phenol | 6.528 | 94 | 996848 | 57.074 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 6.622 | 93 | 765071 | 58.464 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.828 | 146 | 911340 | 58.540 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.904 | 146 | 923545 | 58.635 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.057 | 146 | 873604 | 58.898 | ng | | 99 |
| 15) Benzyl Alcohol | 7.028 | 79 | 810347 | 60.480 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157 | 45 | 957808 | 60.730 | ng | | 99 |
| 17) 2-Methylphenol | 7.134 | 107 | 701676 | 61.285 | ng | | 99 |
| 18) Hexachloroethane | 7.398 | 117 | 364561 | 61.734 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.304 | 70 | 644501 | 60.576 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.292 | 107 | 868157 | 59.116 | ng | # | 81 |
| 22) Acetophenone | 7.298 | 105 | 1226859 | 58.635 | ng | | 97 |
| 24) Nitrobenzene | 7.469 | 77 | 939508 | 60.889 | ng | | 100 |
| 25) Isophorone | 7.710 | 82 | 1695749 | 61.720 | ng | | 100 |
| 26) 2-Nitrophenol | 7.781 | 139 | 491301 | 64.978 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.816 | 122 | 639505 | 61.408 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.916 | 93 | 1039951 | 60.422 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.022 | 162 | 791904 | 61.272 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.104 | 180 | 870403 | 61.044 | ng | | 99 |
| 31) Naphthalene | 8.186 | 128 | 2545181 | 56.961 | ng | | 99 |
| 32) Benzoic acid | 7.951 | 122 | 634105 | 69.664 | ng | | 99 |
| 33) 4-Chloroaniline | 8.233 | 127 | 920015 | 58.348 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.304 | 225 | 559955 | 60.397 | ng | | 99 |
| 35) Caprolactam | 8.628 | 113 | 235861 | 60.015 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 8.716 | 107 | 874022 | 60.807 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.875 | 142 | 1744374 | 58.187 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.975 | 142 | 1692113 | 58.285 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.045 | 216 | 903928 | 59.627 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.028 | 237 | 375919 | 62.842 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.151 | 196 | 597686 | 60.479 | ng | | 99 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141903.D
Acq On : 10 Mar 2025 13:57
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Quant Time: Mar 10 15:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.192 | 196 | 618930 | 61.642 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.345 | 154 | 2134829 | 56.634 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.369 | 162 | 1625973 | 57.879 | ng | | 100 |
| 48) 2-Nitroaniline | 9.463 | 65 | 495229 | 61.368 | ng | | 99 |
| 49) Acenaphthylene | 9.786 | 152 | 2379216 | 57.125 | ng | | 99 |
| 50) Dimethylphthalate | 9.651 | 163 | 2006480 | 58.083 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.704 | 165 | 441383 | 61.441 | ng | | 99 |
| 52) Acenaphthene | 9.957 | 154 | 1737049 | 59.065 | ng | | 99 |
| 53) 3-Nitroaniline | 9.875 | 138 | 449553 | 60.945 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 9.975 | 184 | 240530 | 60.329 | ng | # | 74 |
| 55) Dibenzofuran | 10.127 | 168 | 2380973 | 56.781 | ng | | 100 |
| 56) 4-Nitrophenol | 10.027 | 139 | 343657 | 62.021 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 10.110 | 165 | 571731 | 60.461 | ng | | 98 |
| 58) Fluorene | 10.469 | 166 | 1840654 | 56.859 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232 | 546621 | 60.002 | ng | | 100 |
| 60) Diethylphthalate | 10.345 | 149 | 1995827 | 57.552 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.463 | 204 | 977819 | 57.993 | ng | | 97 |
| 62) 4-Nitroaniline | 10.492 | 138 | 426741 | 59.702 | ng | | 100 |
| 63) Azobenzene | 10.622 | 77 | 1829282 | 56.784 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198 | 330315 | 67.356 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 10.580 | 169 | 1583832 | 59.270 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.951 | 248 | 608246 | 59.044 | ng | | 98 |
| 68) Hexachlorobenzene | 11.016 | 284 | 673465 | 59.144 | ng | | 97 |
| 70) Pentachlorophenol | 11.204 | 266 | 462709 | 65.893 | ng | | 100 |
| 71) Phenanthrene | 11.433 | 178 | 2560092 | 57.232 | ng | | 100 |
| 72) Anthracene | 11.486 | 178 | 2570717 | 57.281 | ng | | 100 |
| 73) Carbazole | 11.633 | 167 | 2213331 | 57.284 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.963 | 149 | 2916048 | 57.161 | ng | | 99 |
| 75) Fluoranthene | 12.616 | 202 | 2628993 | 55.984 | ng | | 99 |
| 77) Benzidine | 12.733 | 184 | 386007 | 58.309 | ng | | 99 |
| 78) Pyrene | 12.845 | 202 | 2562337 | 63.781 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.463 | 149 | 1008043 | 63.676 | ng | | 100 |
| 81) Benzo(a)anthracene | 14.033 | 228 | 1850347 | 60.040 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.992 | 252 | 553078 | 62.091 | ng | | 100 |
| 83) Chrysene | 14.068 | 228 | 1705257 | 61.596 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149 | 1337474 | 61.582 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.633 | 149 | 1953184 | 64.613 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 17.009 | 276 | 1799372 | 68.115 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 15.080 | 252 | 1698744 | 61.481 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.115 | 252 | 1478389 | 61.253 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.451 | 252 | 1323726 | 60.747 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.027 | 278 | 1459934 | 66.981 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.462 | 276 | 1425582 | 65.942 | ng | | 99 |

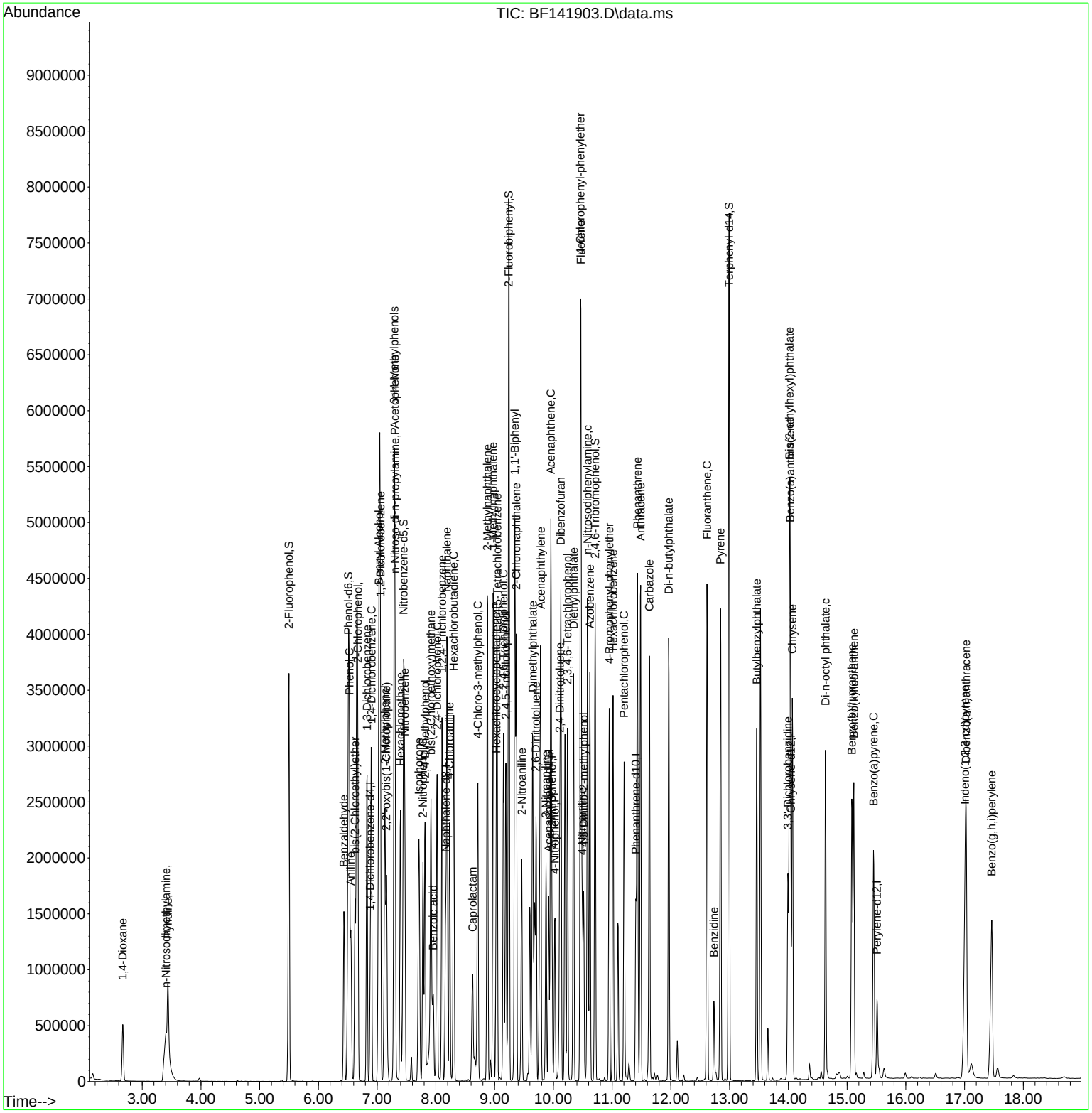
(#) = qualifier out of range (m) = manual integration (+) = signals summed

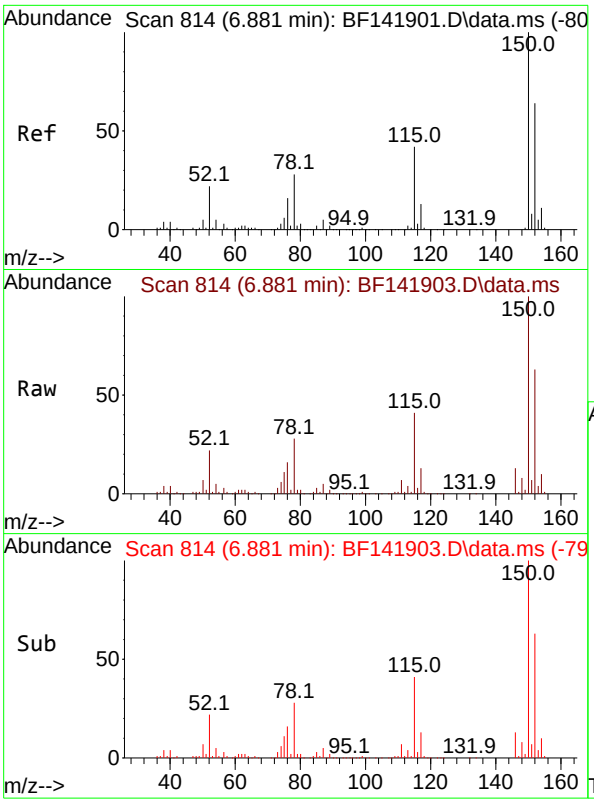
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141903.D
Acq On : 10 Mar 2025 13:57
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Quant Time: Mar 10 15:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



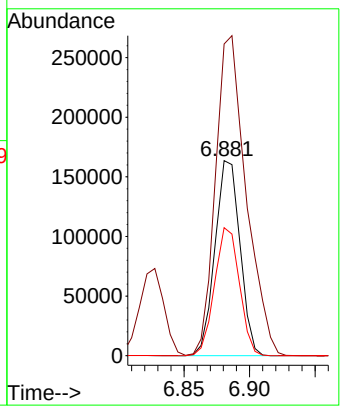


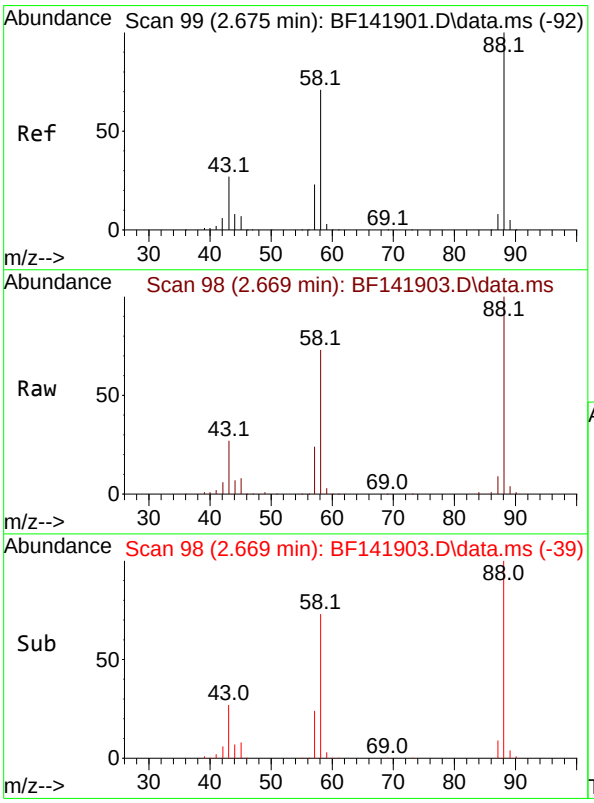

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:152 Resp: 216861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.8 | 127.4 | 191.2 |
| 115 | 65.7 | 51.9 | 77.9 |

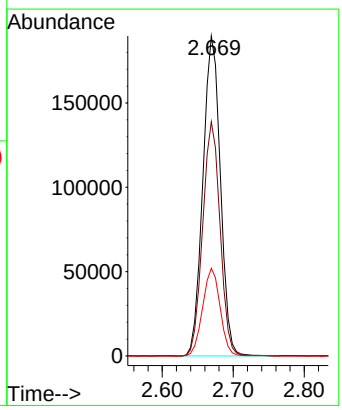


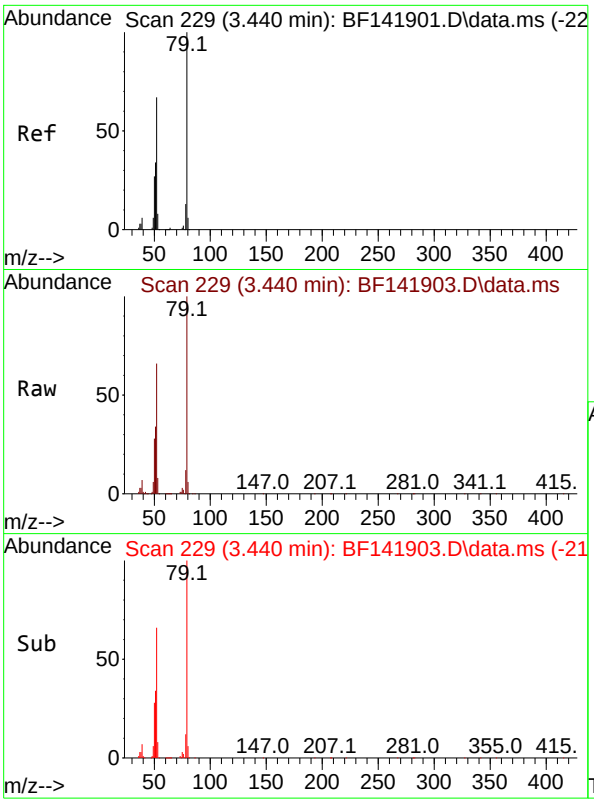




#2
1,4-Dioxane
Concen: 59.832 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 88 Resp: 325927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 72.5 | 57.4 | 86.2 |
| 43 | 27.4 | 21.5 | 32.3 |



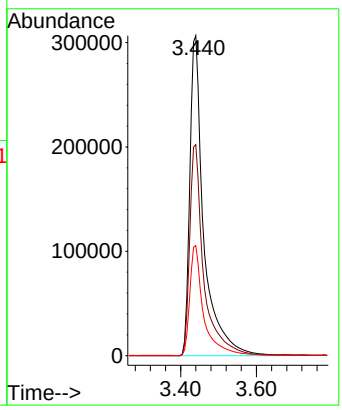


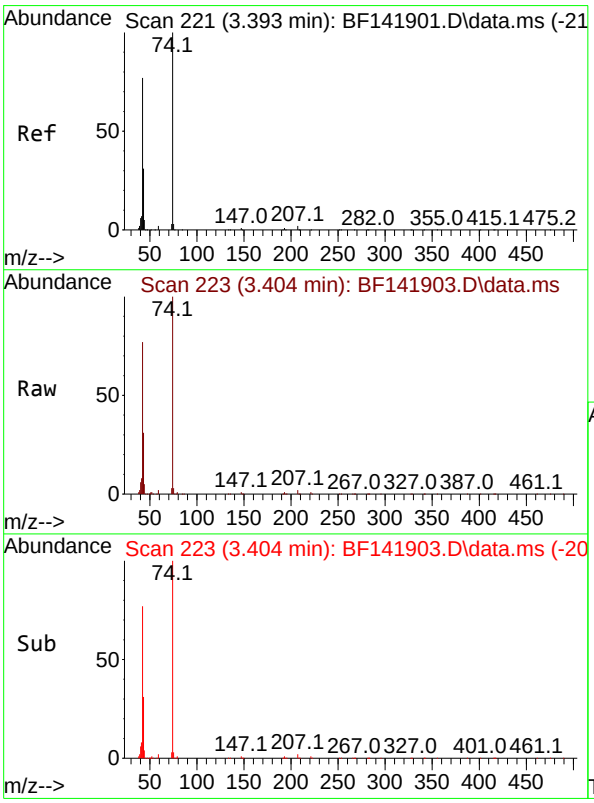

#3
Pyridine
Concen: 58.753 ng
RT: 3.440 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 79 Resp: 786537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 65.9 | 53.3 | 79.9 |
| 51 | 34.4 | 27.6 | 41.4 |

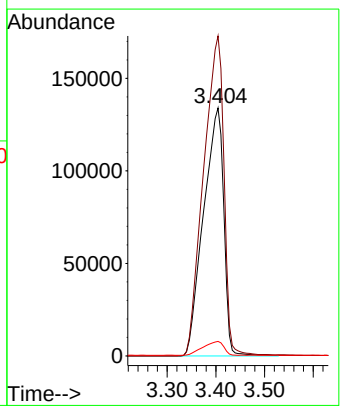


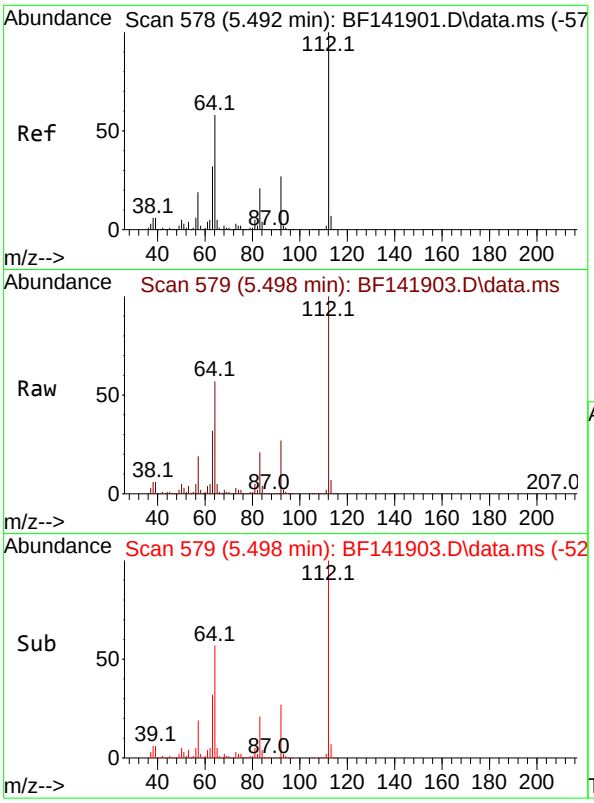




#4
n-Nitrosodimethylamine
Concen: 60.759 ng
RT: 3.404 min Scan# 223
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 42 Resp: 386646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 129.0 | 103.4 | 155.0 |
| 44 | 5.8 | 5.0 | 7.4 |



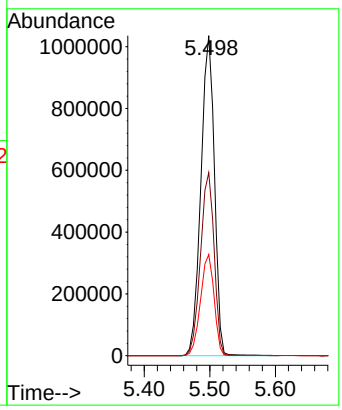


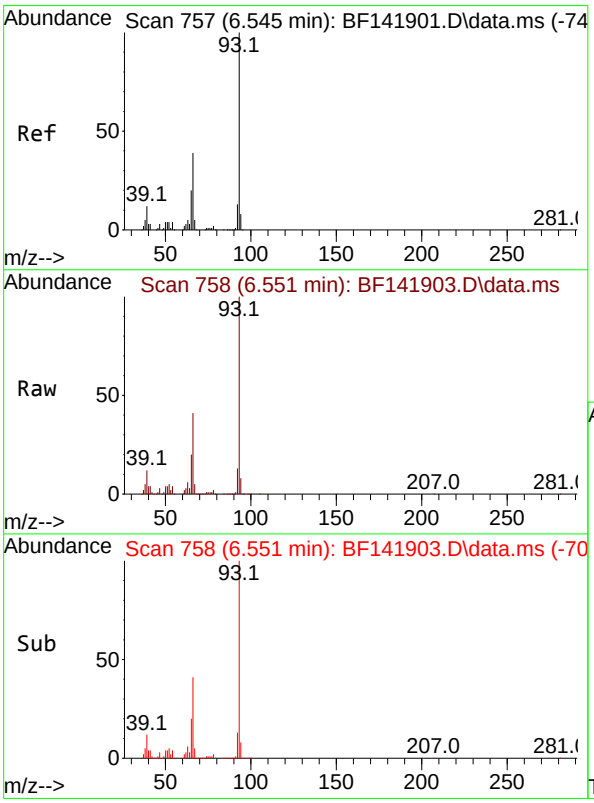

#5
2-Fluorophenol
Concen: 114.705 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:112 Resp: 1490872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.2 | 46.5 | 69.7 |
| 63 | 31.6 | 25.4 | 38.2 |

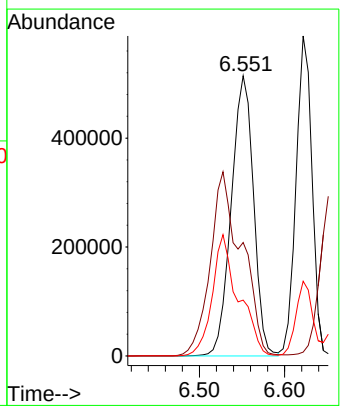


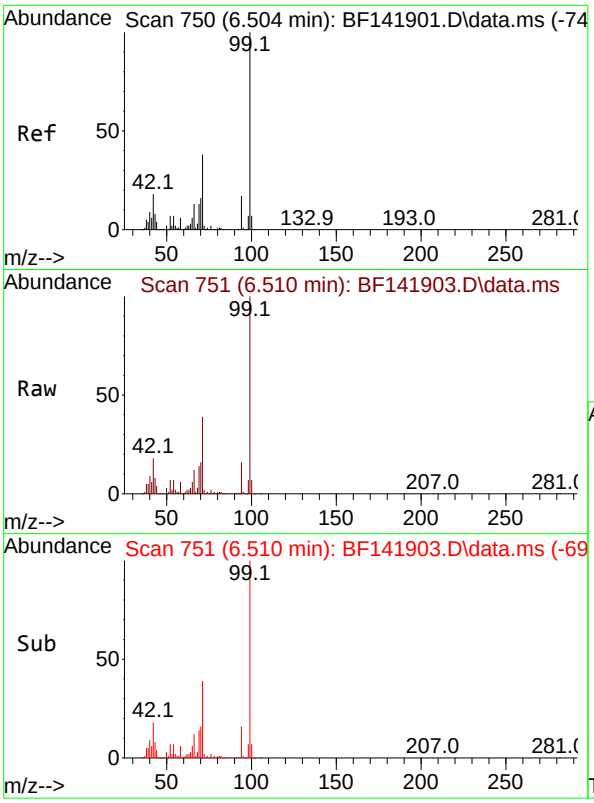




#6
Aniline
Concen: 57.146 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 93 Resp: 933875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 40.5 | 31.9 | 47.9 |
| 65 | 19.9 | 15.8 | 23.6 |



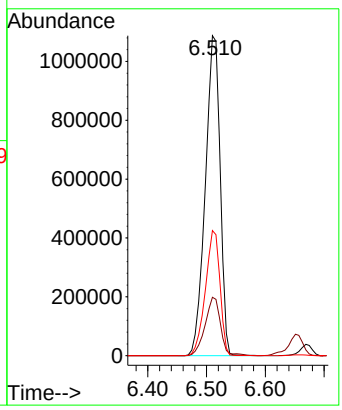


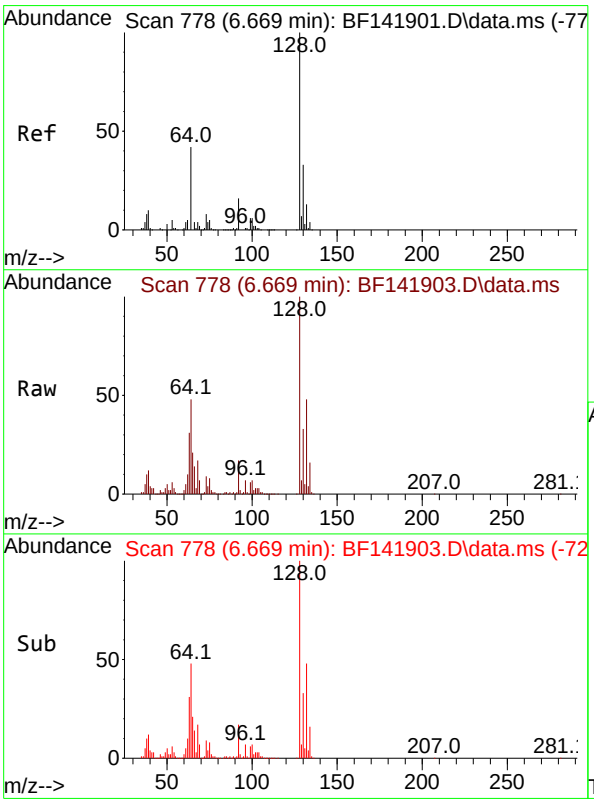

#7
Phenol-d6
Concen: 115.601 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 99 Resp: 1913610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.2 | 14.6 | 21.8 |
| 71 | 39.1 | 30.8 | 46.2 |

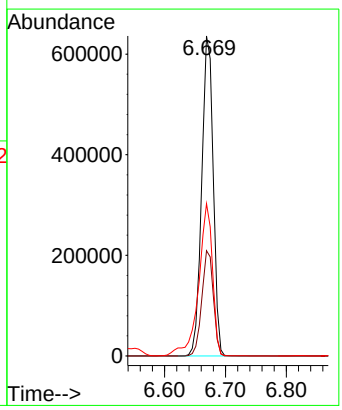


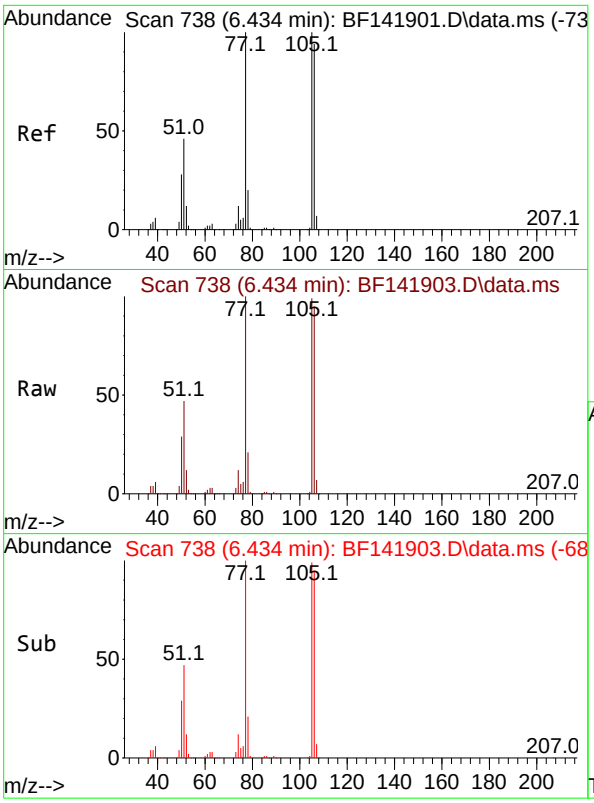




#8
2-Chlorophenol
Concen: 58.000 ng
RT: 6.669 min Scan# 778
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:128 Resp: 835549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.9 | 12.8 | 52.8 |
| 64 | 47.6 | 24.4 | 64.4 |



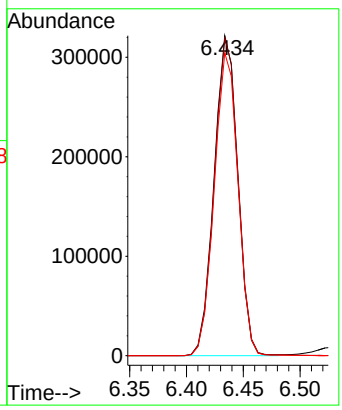


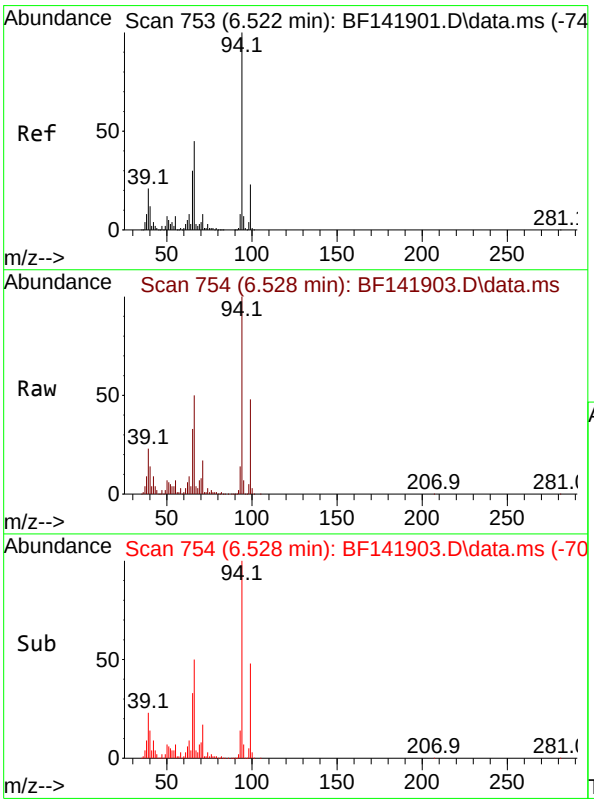

#9
Benzaldehyde
Concen: 50.311 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 77 Resp: 465511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.3 | 80.0 | 120.0 |
| 106 | 94.7 | 74.5 | 114.5 |

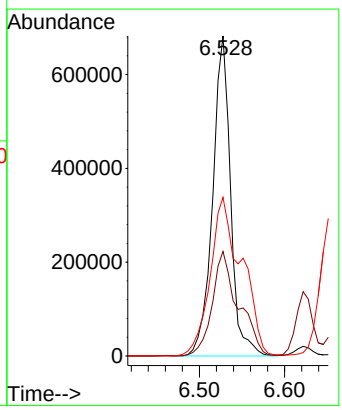


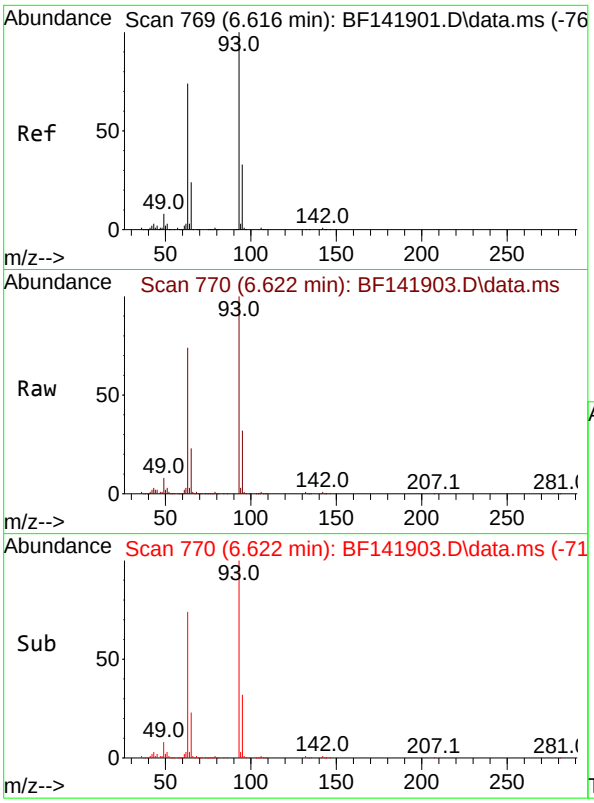




#10
Phenol
Concen: 57.074 ng
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 94 Resp: 996848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 32.6 | 10.5 | 50.5 |
| 66 | 49.5 | 25.8 | 65.8 |



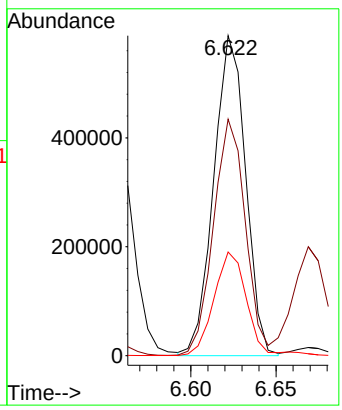


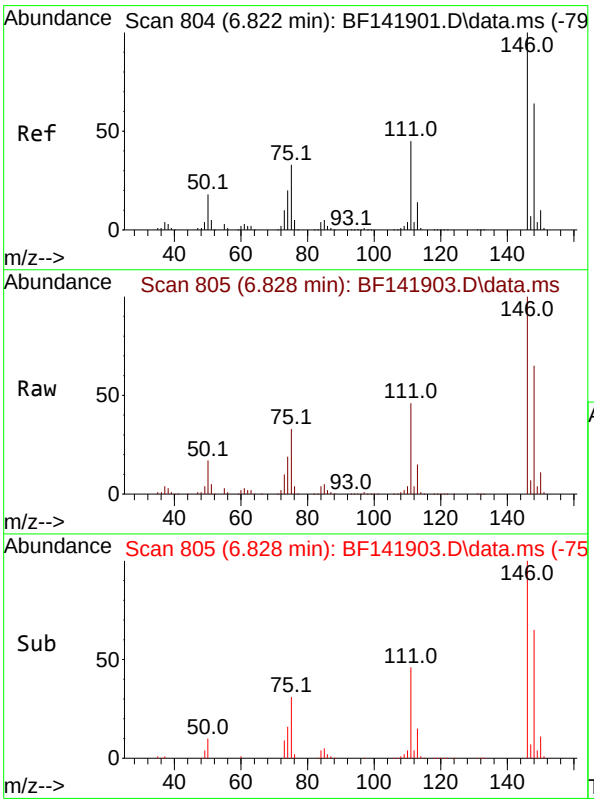

#11
bis(2-Chloroethyl)ether
Concen: 58.464 ng
RT: 6.622 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 93 Resp: 765071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 73.9 | 53.0 | 93.0 |
| 95 | 32.4 | 12.9 | 52.9 |

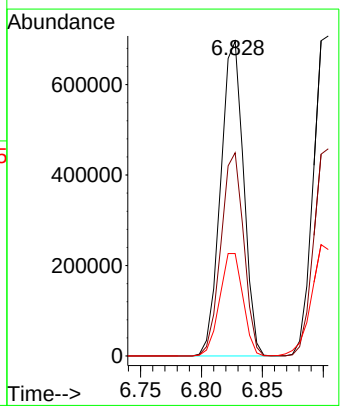


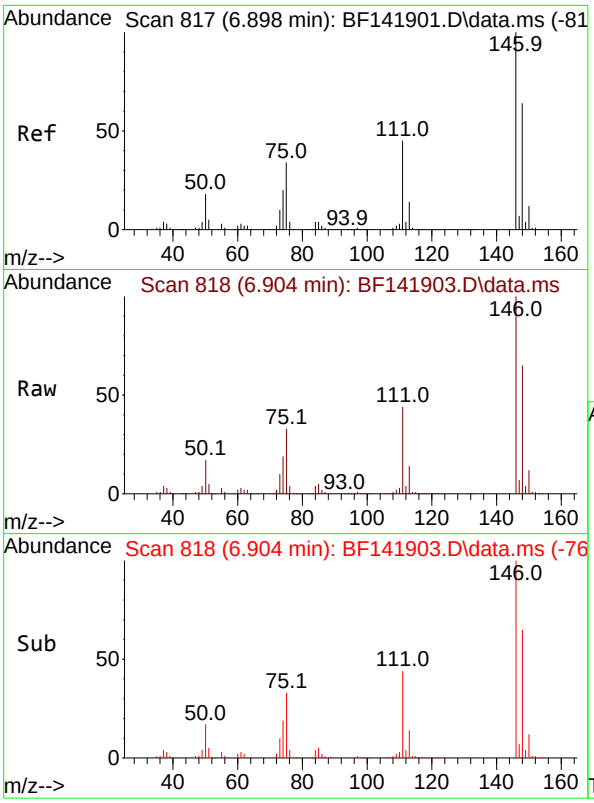




#12
1,3-Dichlorobenzene
Concen: 58.540 ng
RT: 6.828 min Scan# 805
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:146 Resp: 911340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.6 | 51.3 | 76.9 |
| 75 | 32.6 | 26.6 | 40.0 |



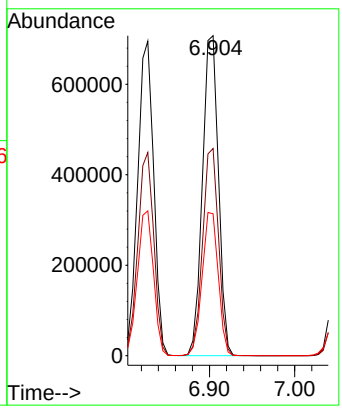


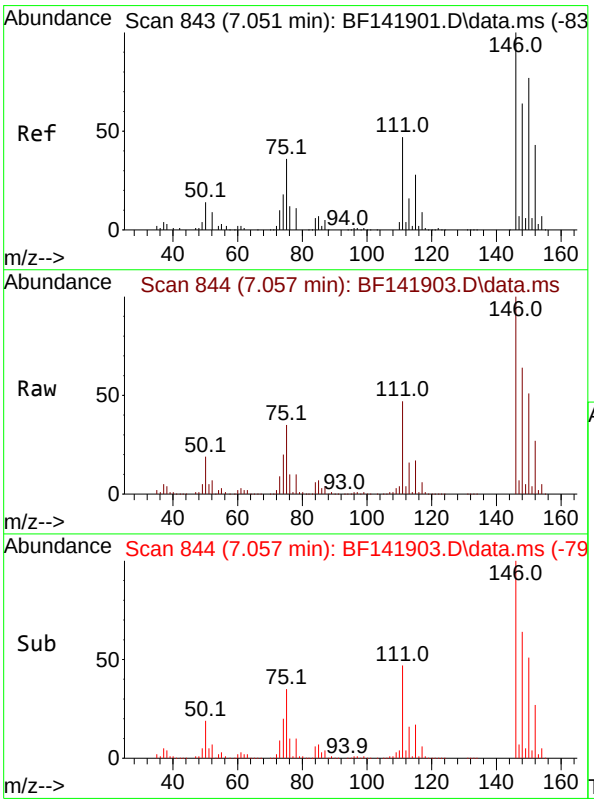

#13
1,4-Dichlorobenzene
Concen: 58.635 ng
RT: 6.904 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:146 Resp: 923545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.7 | 51.0 | 76.6 |
| 111 | 44.4 | 35.7 | 53.5 |

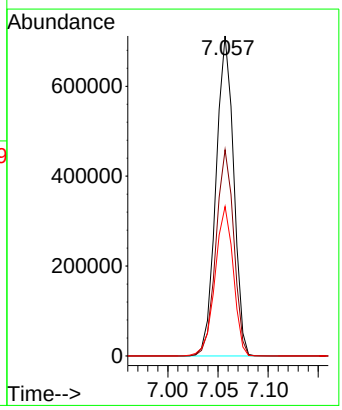


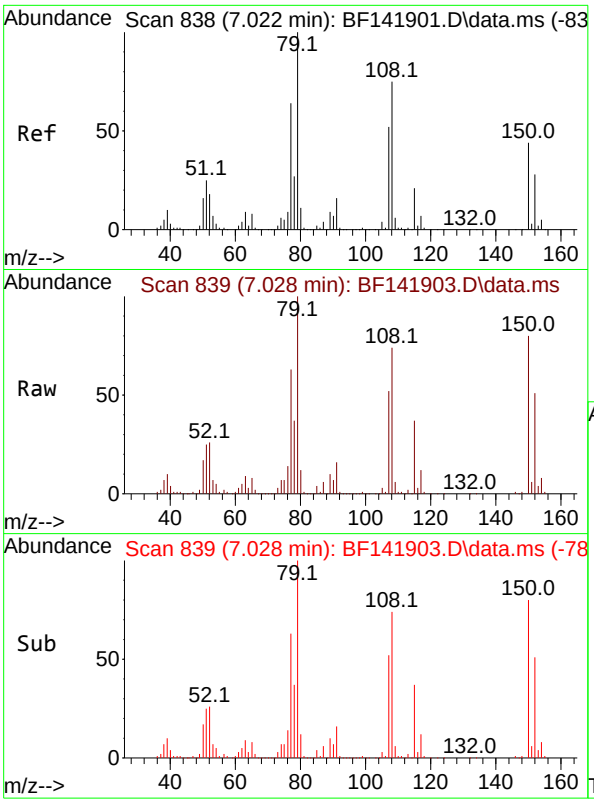




#14
1,2-Dichlorobenzene
Concen: 58.898 ng
RT: 7.057 min Scan# 844
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:146 Resp: 873604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 50.8 | 76.2 |
| 111 | 46.7 | 38.0 | 57.0 |



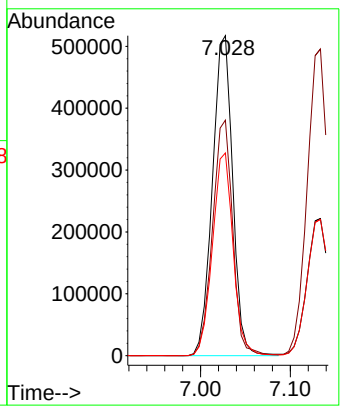


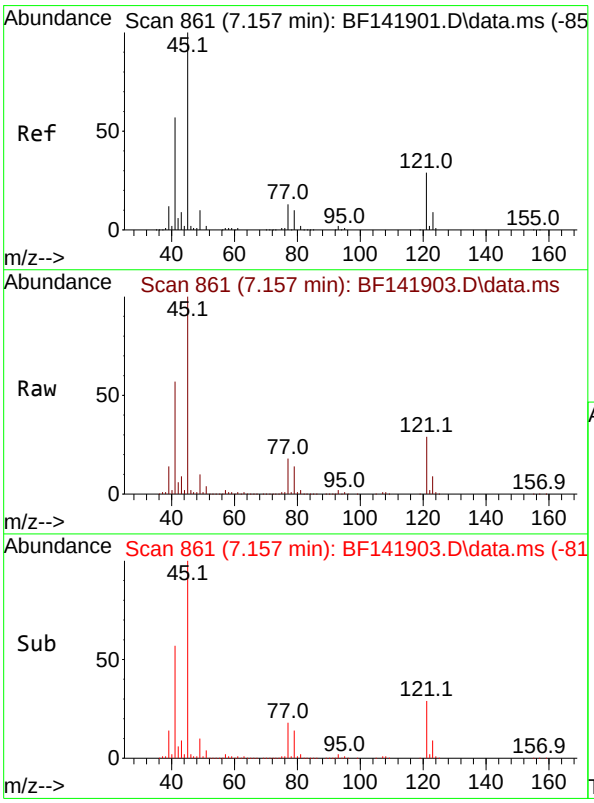

#15
Benzyl Alcohol
Concen: 60.480 ng
RT: 7.028 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 79 Resp: 810347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 73.6 | 59.7 | 89.5 |
| 77 | 63.4 | 51.0 | 76.6 |

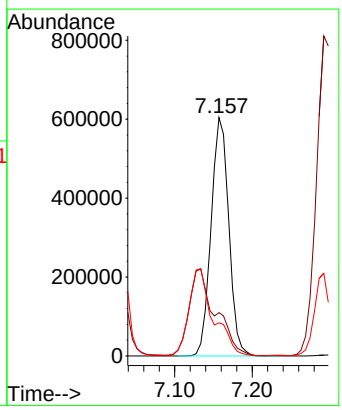


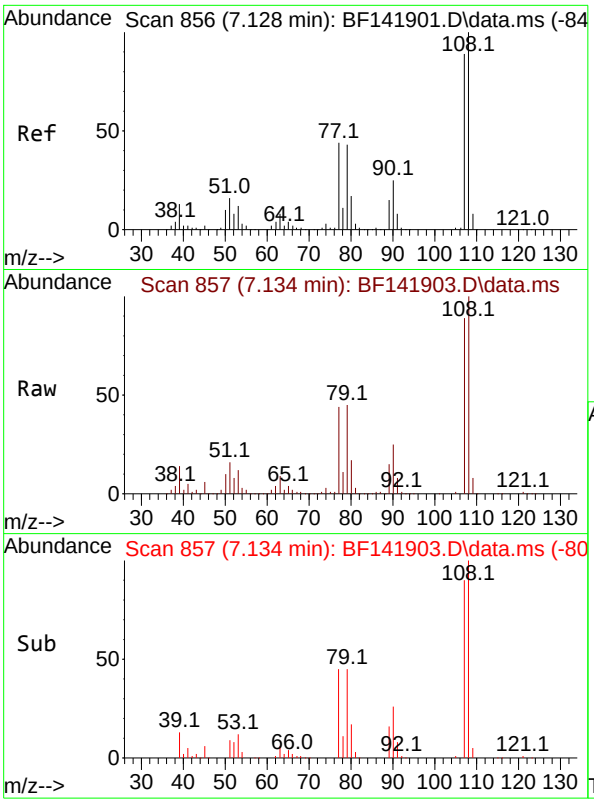




#16
2,2'-oxybis(1-Chloropropane)
Concen: 60.730 ng
RT: 7.157 min Scan# 861
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 45 Resp: 957808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 18.2 | 0.0 | 37.8 |
| 79 | 13.9 | 0.0 | 34.2 |



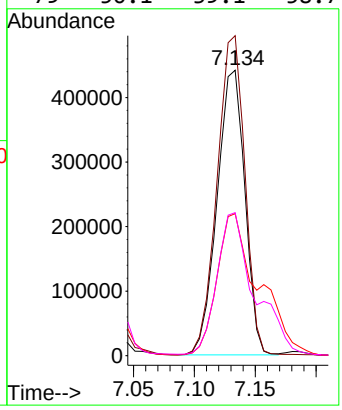


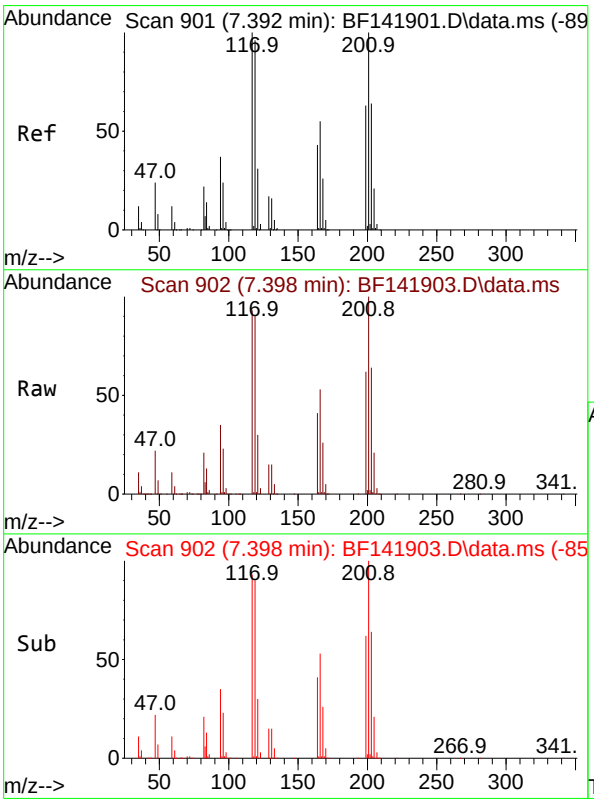

#17
2-Methylphenol
Concen: 61.285 ng
RT: 7.134 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:107 Resp: 701676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 112.1 | 90.2 | 135.2 |
| 77 | 49.8 | 39.6 | 59.4 |
| 79 | 50.1 | 39.1 | 58.7 |

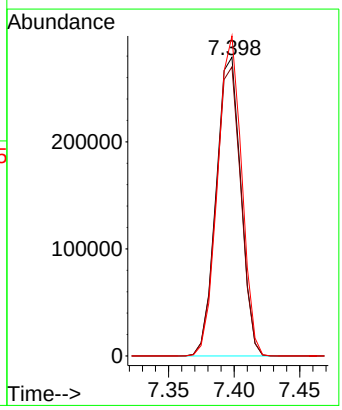


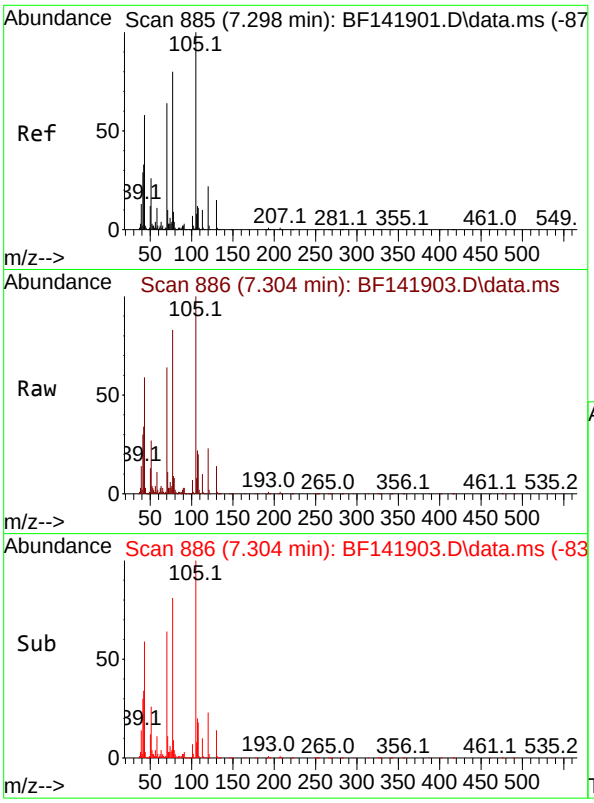




#18
Hexachloroethane
Concen: 61.734 ng
RT: 7.398 min Scan# 902
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:117 Resp: 364561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.8 | 76.9 | 115.3 |
| 201 | 107.1 | 79.9 | 119.9 |



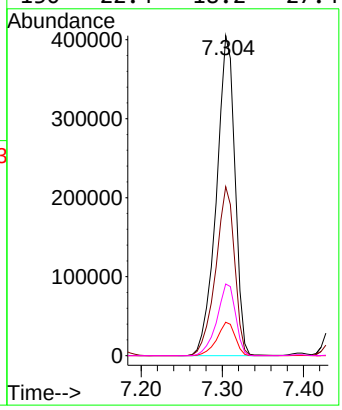


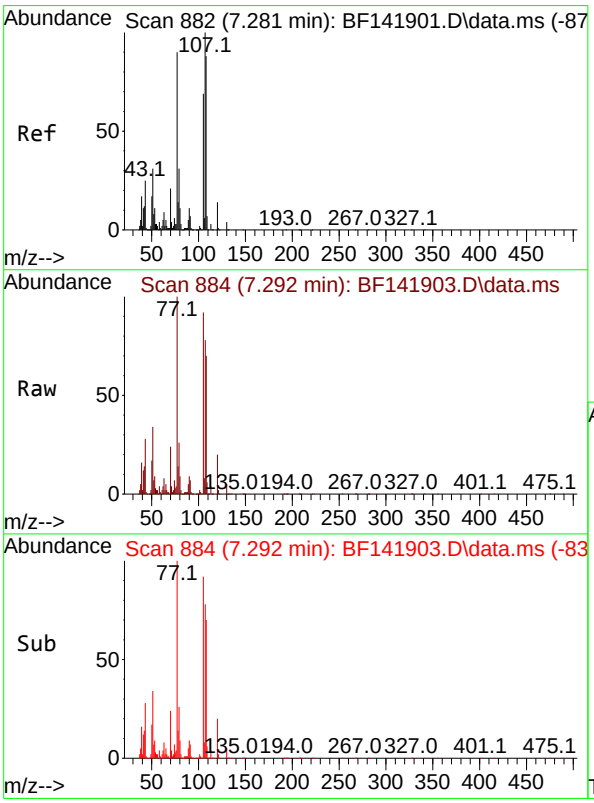

#19
n-Nitroso-di-n-propylamine
Concen: 60.576 ng
RT: 7.304 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 70 Resp: 644501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 52.8 | 41.4 | 62.0 |
| 101 | 10.4 | 8.2 | 12.2 |
| 130 | 22.4 | 18.2 | 27.4 |

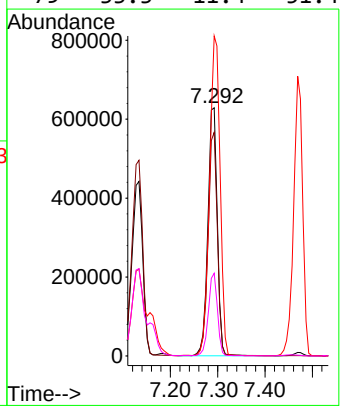


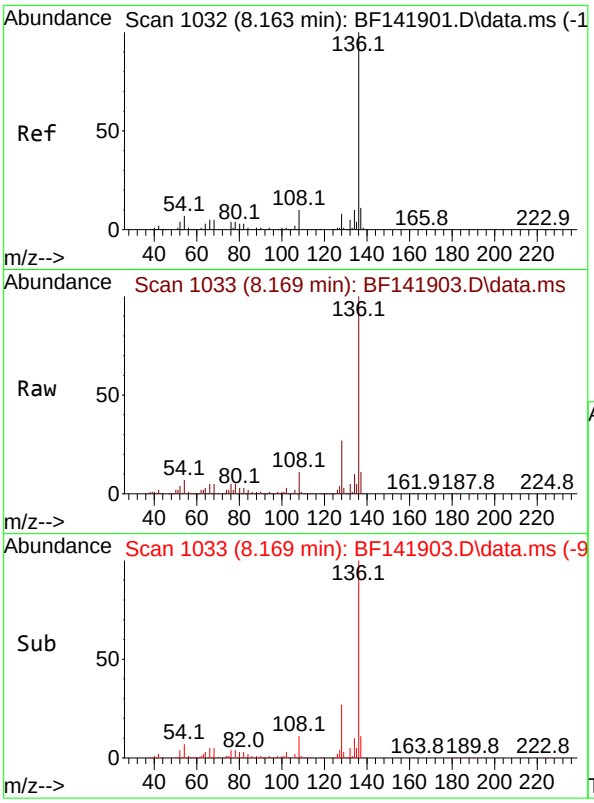




#20
3+4-Methylphenols
Concen: 59.116 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:107 Resp: 868157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.1 | 68.4 | 108.4 |
| 77 | 128.9 | 69.7 | 109.7# |
| 79 | 33.3 | 11.4 | 51.4 |



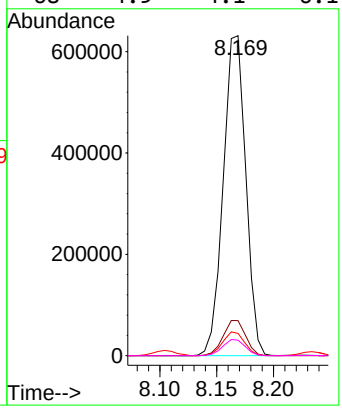


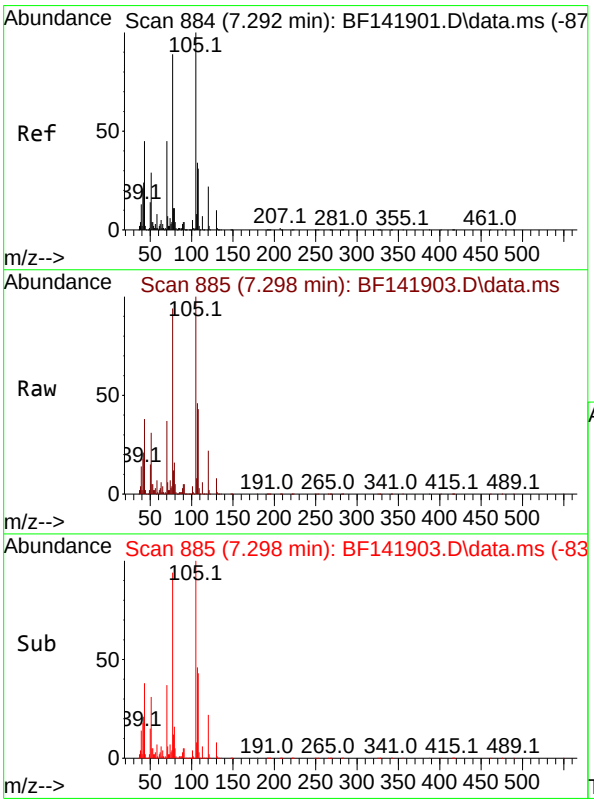

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:136 Resp: 872222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.8 | 13.2 |
| 54 | 7.0 | 5.8 | 8.8 |
| 68 | 4.9 | 4.1 | 6.1 |

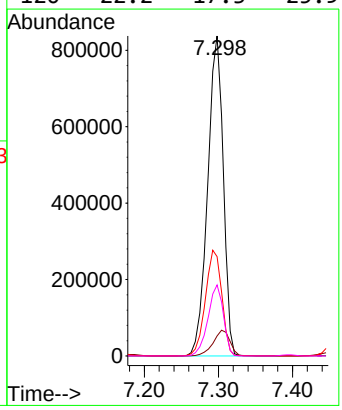


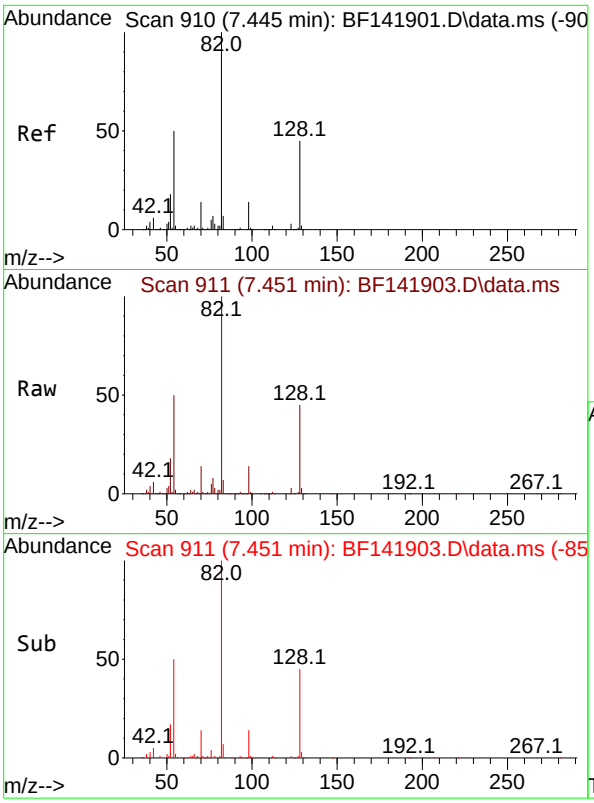




#22
Acetophenone
Concen: 58.635 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:105 Resp: 1226859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.2 | 5.8 | 8.8 |
| 51 | 31.1 | 23.4 | 35.0 |
| 120 | 22.2 | 17.3 | 25.9 |



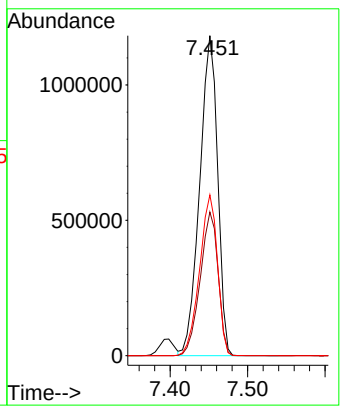


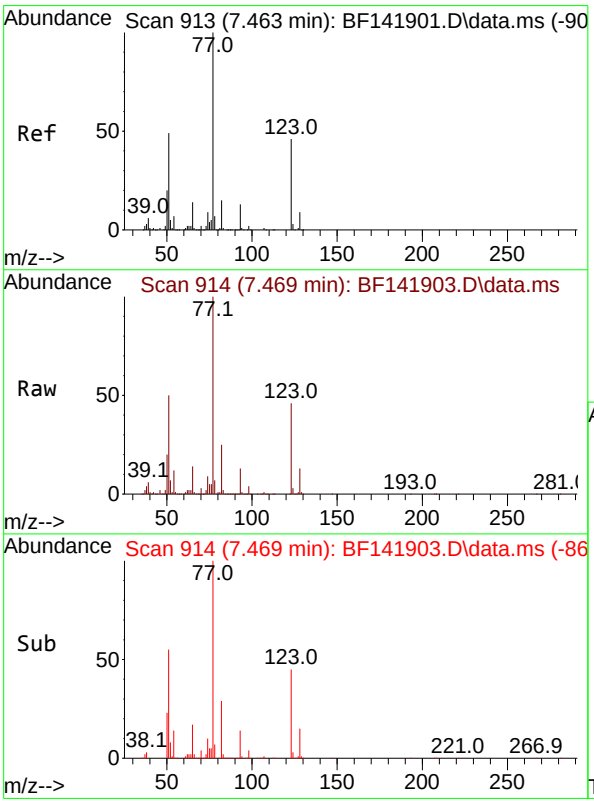

#23
Nitrobenzene-d5
Concen: 122.074 ng
RT: 7.451 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 82 Resp: 1899726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.9 | 36.0 | 54.0 |
| 54 | 50.3 | 39.6 | 59.4 |

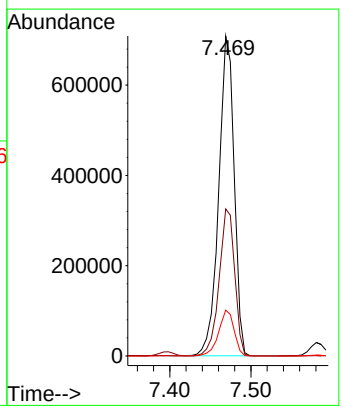


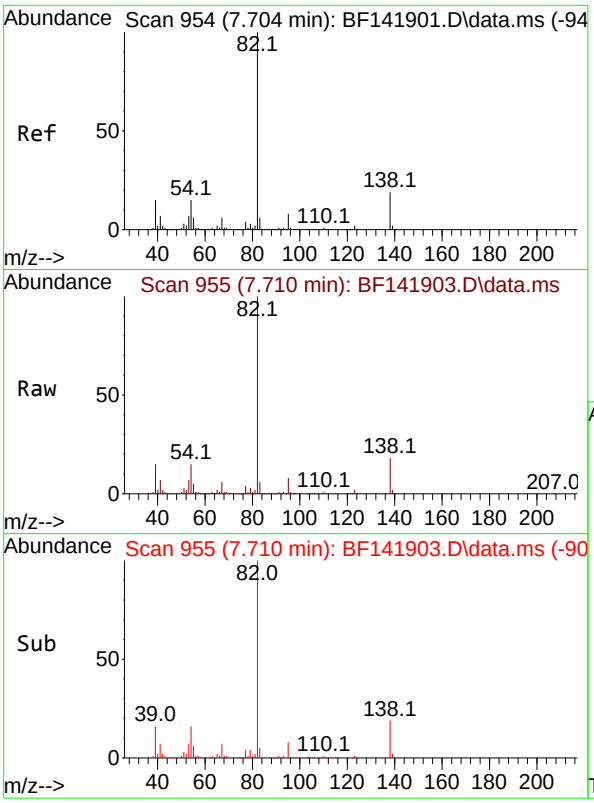




#24
Nitrobenzene
Concen: 60.889 ng
RT: 7.469 min Scan# 914
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 77 Resp: 939508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 45.9 | 37.0 | 55.4 |
| 65 | 14.3 | 11.3 | 16.9 |



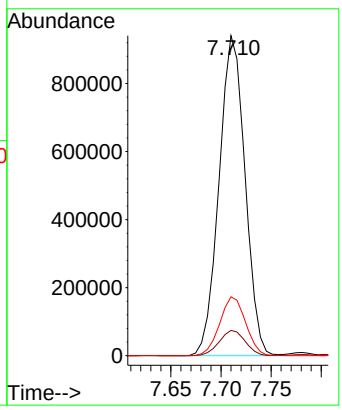


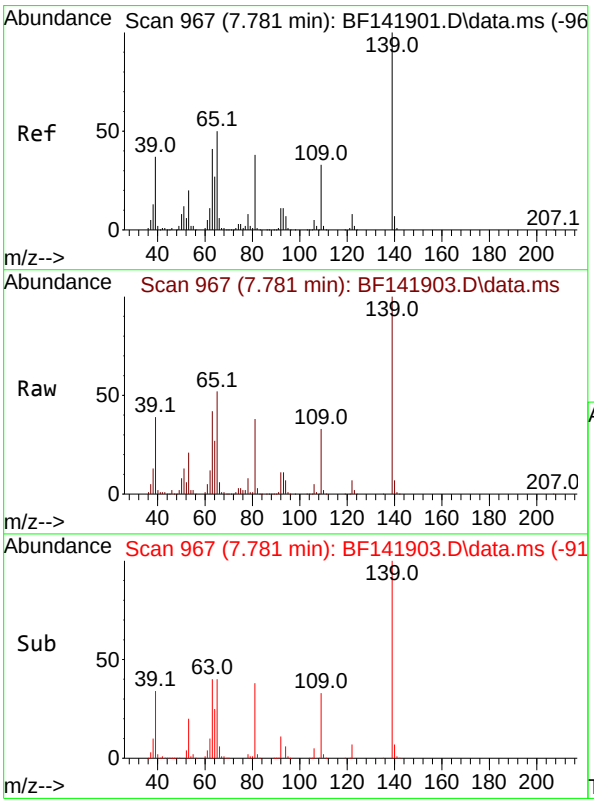

#25
Isophorone
Concen: 61.720 ng
RT: 7.710 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 82 Resp: 1695749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 7.9 | 6.4 | 9.6 |
| 138 | 18.4 | 14.9 | 22.3 |

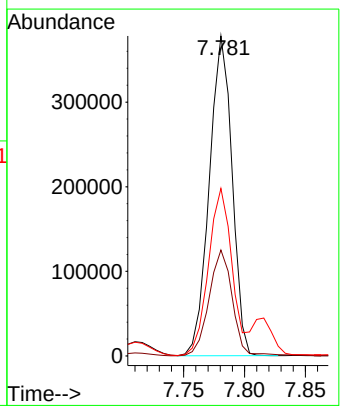


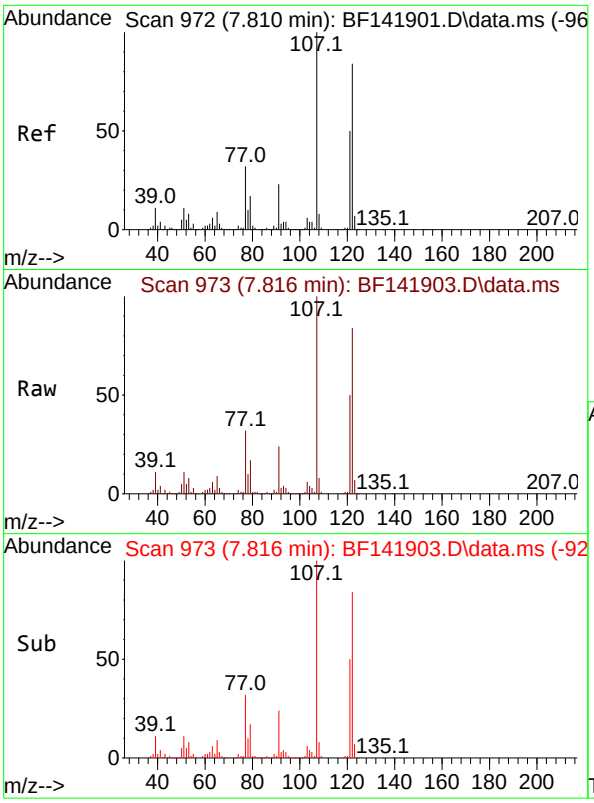




#26
2-Nitrophenol
Concen: 64.978 ng
RT: 7.781 min Scan# 967
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:139 Resp: 491301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 33.1 | 26.5 | 39.7 |
| 65 | 52.3 | 40.3 | 60.5 |



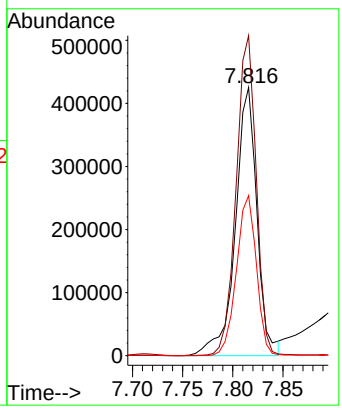


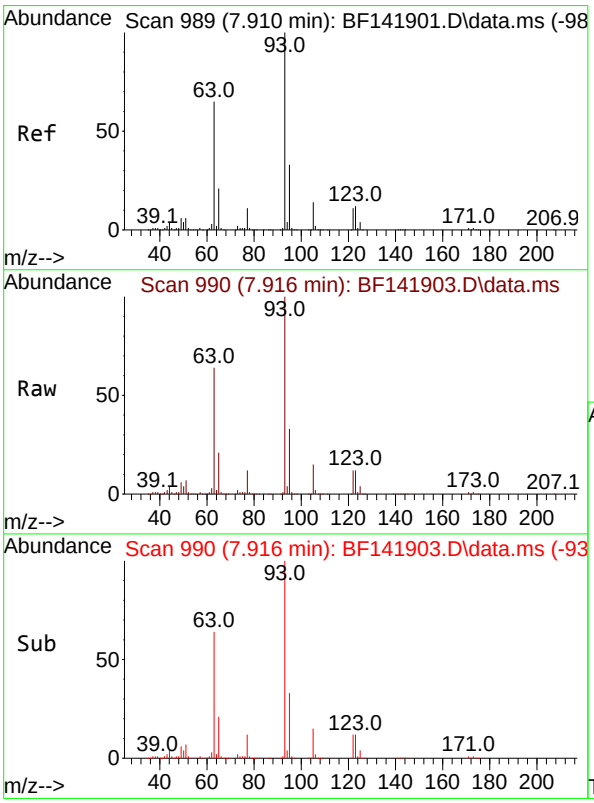

#27
2,4-Dimethylphenol
Concen: 61.408 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:122 Resp: 639505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 119.4 | 94.8 | 142.2 |
| 121 | 59.7 | 47.8 | 71.6 |

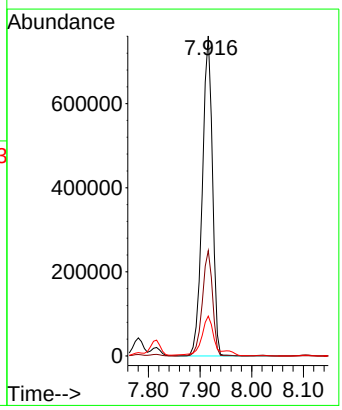


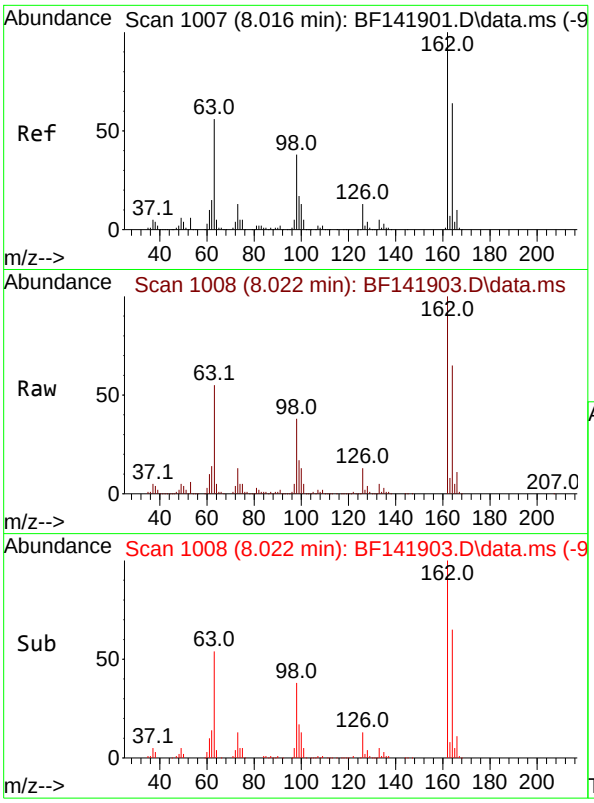




#28
bis(2-Chloroethoxy)methane
Concen: 60.422 ng
RT: 7.916 min Scan# 990
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 93 Resp: 1039951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.9 | 26.6 | 40.0 |
| 123 | 12.5 | 10.2 | 15.4 |



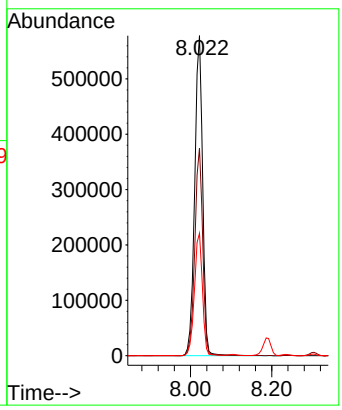


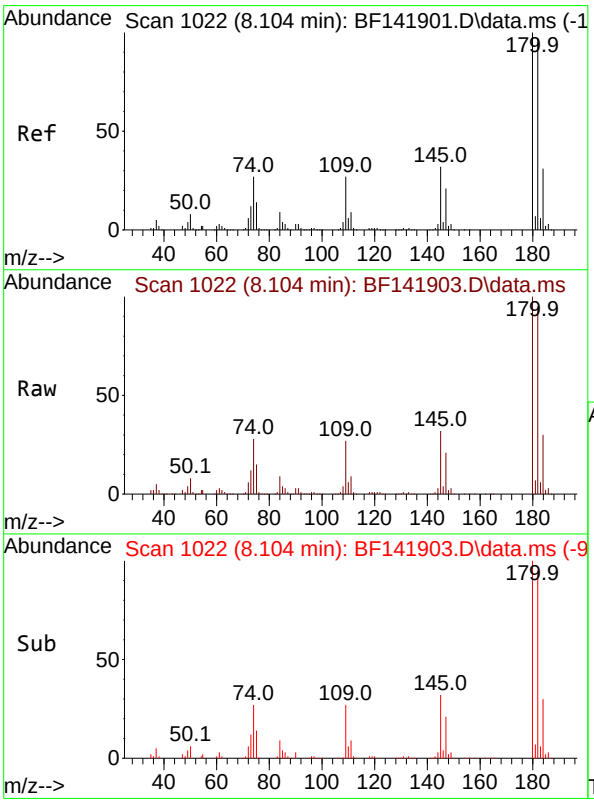

#29
2,4-Dichlorophenol
Concen: 61.272 ng
RT: 8.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:162 Resp: 791904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.9 | 43.8 | 83.8 |
| 98 | 38.3 | 18.1 | 58.1 |

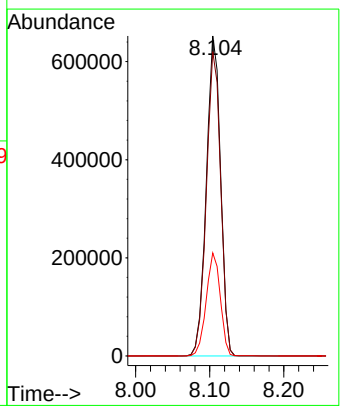


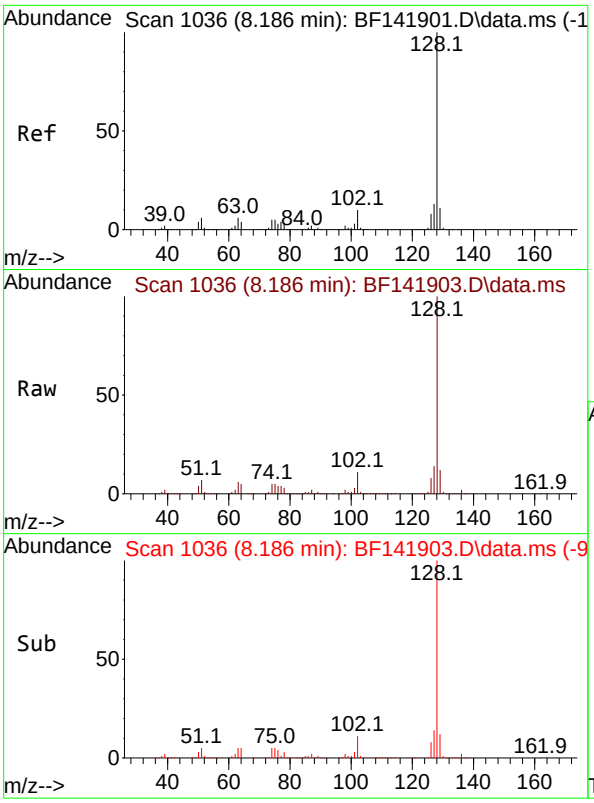




#30
1,2,4-Trichlorobenzene
Concen: 61.044 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:180 Resp: 870403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.1 | 77.5 | 116.3 |
| 145 | 32.2 | 25.8 | 38.6 |



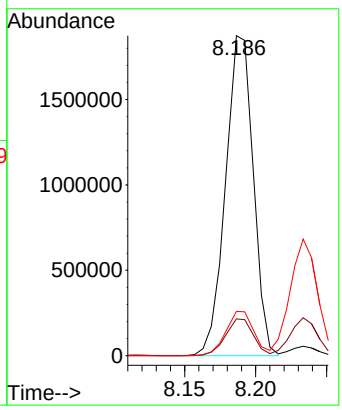


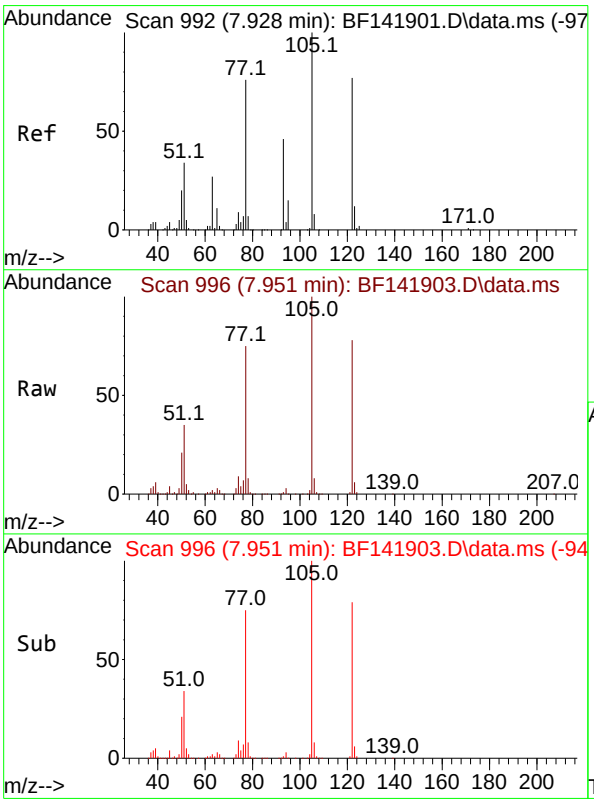

#31
Naphthalene
Concen: 56.961 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:128 Resp: 2545181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.5 | 9.0 | 13.6 |
| 127 | 13.8 | 10.8 | 16.2 |

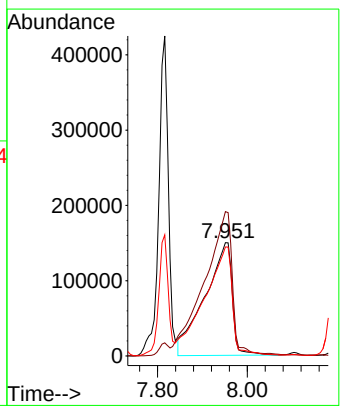


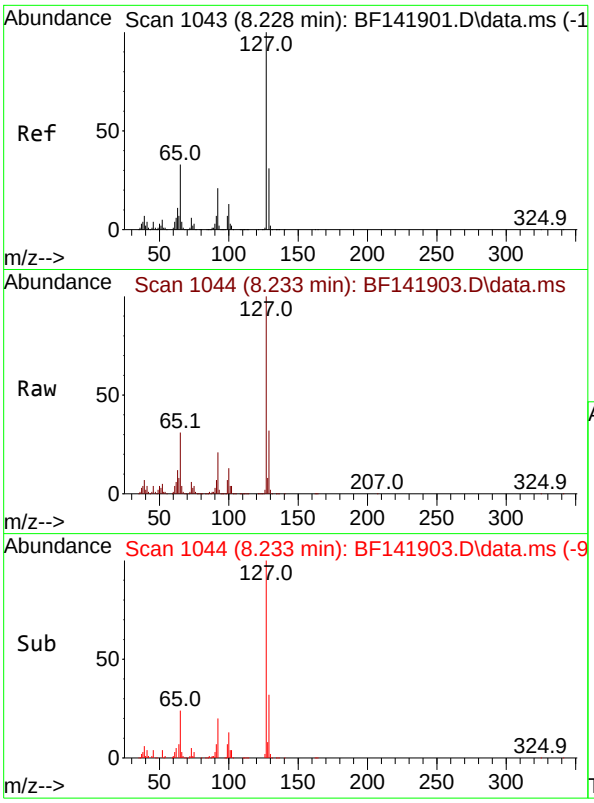




#32
Benzoic acid
Concen: 69.664 ng
RT: 7.951 min Scan# 996
Delta R.T. 0.023 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:122 Resp: 634105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 127.5 | 107.9 | 147.9 |
| 77 | 96.2 | 79.0 | 119.0 |



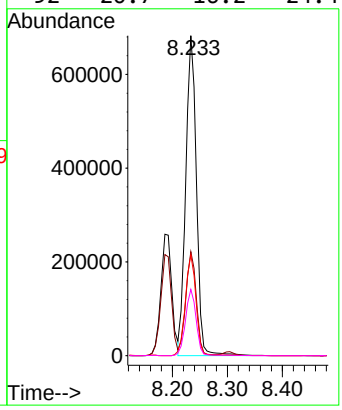


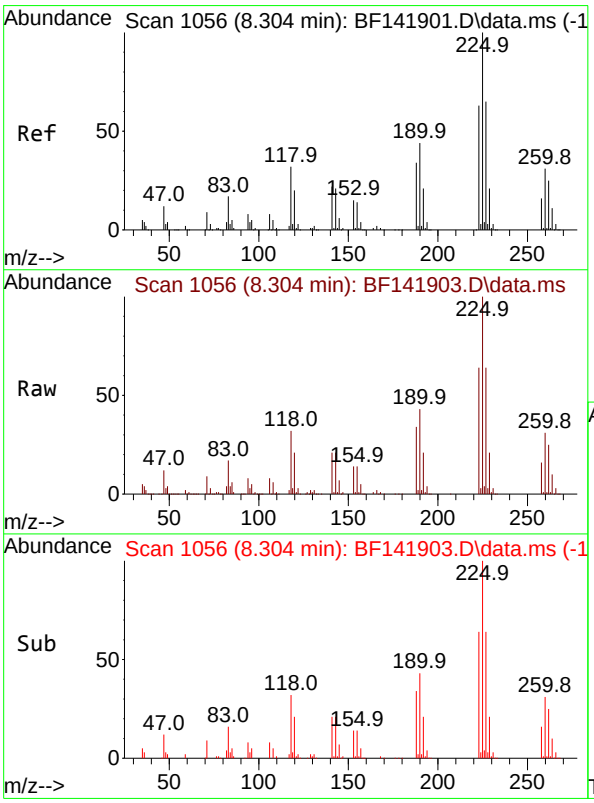

#33
4-Chloroaniline
Concen: 58.348 ng
RT: 8.233 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:127 Resp: 920015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.5 | 26.2 | 39.4 |
| 65 | 31.5 | 25.4 | 38.2 |
| 92 | 20.7 | 16.2 | 24.4 |

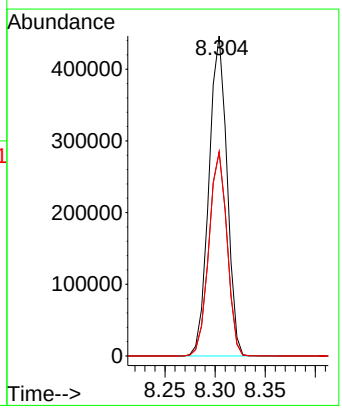


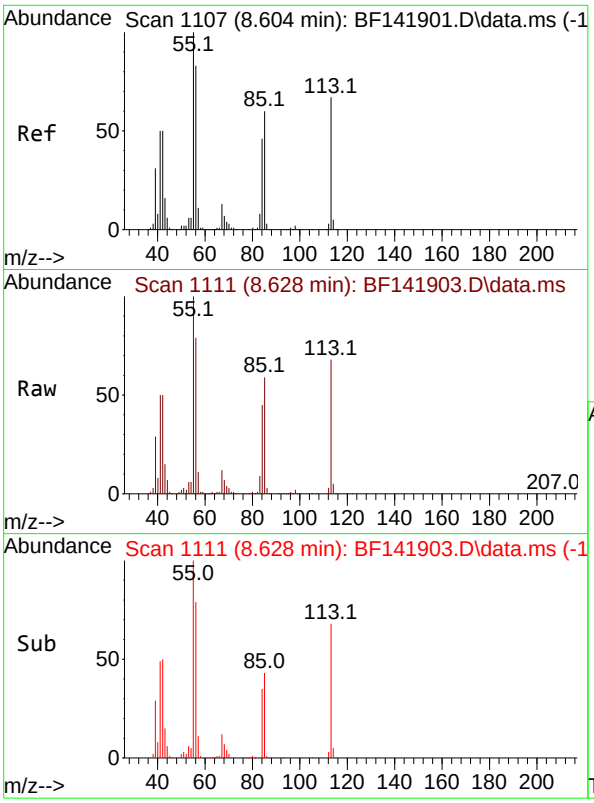




#34
Hexachlorobutadiene
Concen: 60.397 ng
RT: 8.304 min Scan# 1056
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:225 Resp: 559955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.8 | 50.6 | 75.8 |
| 227 | 63.8 | 52.2 | 78.2 |



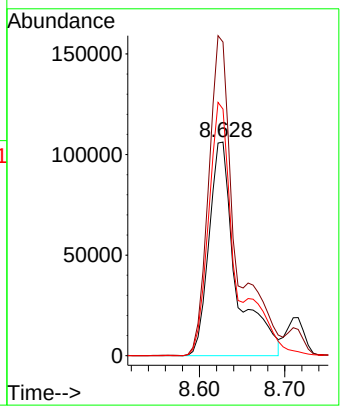


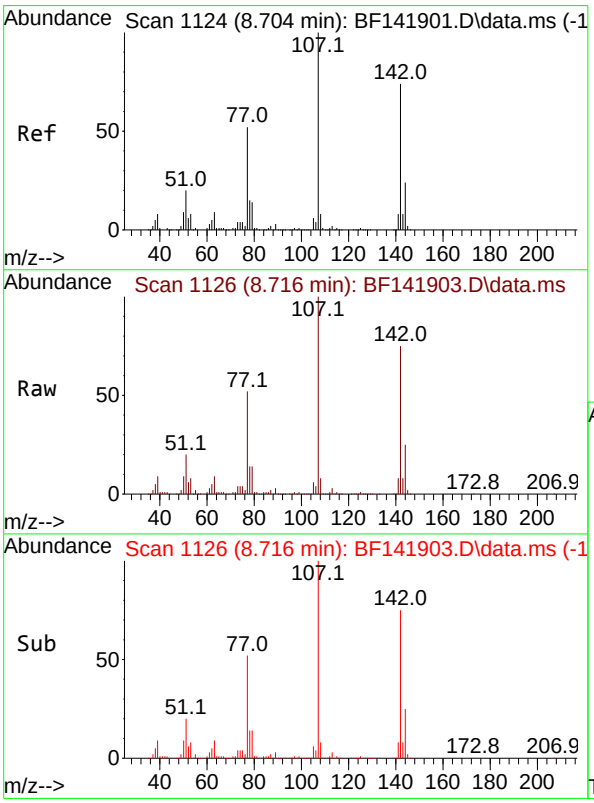

#35
Caprolactam
Concen: 60.015 ng
RT: 8.628 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:113 Resp: 235861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 146.7 | 129.6 | 169.6 |
| 56 | 115.4 | 104.0 | 144.0 |

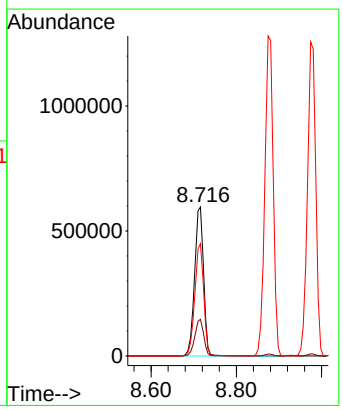


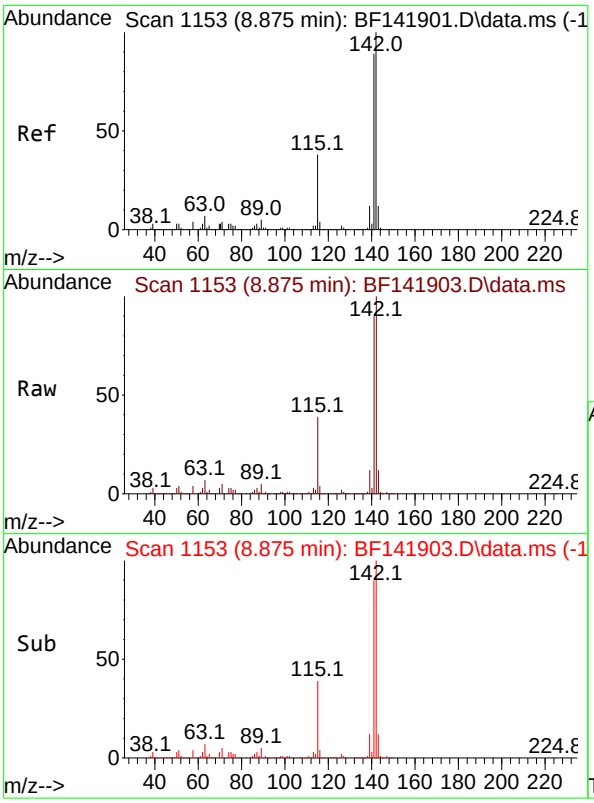




#36
4-Chloro-3-methylphenol
Concen: 60.807 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:107 Resp: 874022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.6 | 19.0 | 28.6 |
| 142 | 75.4 | 59.2 | 88.8 |



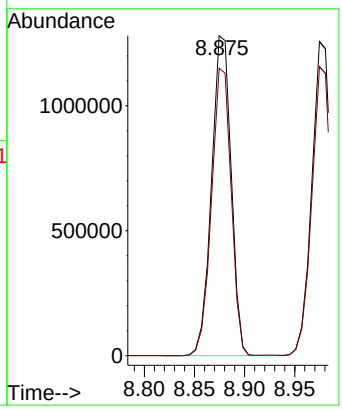


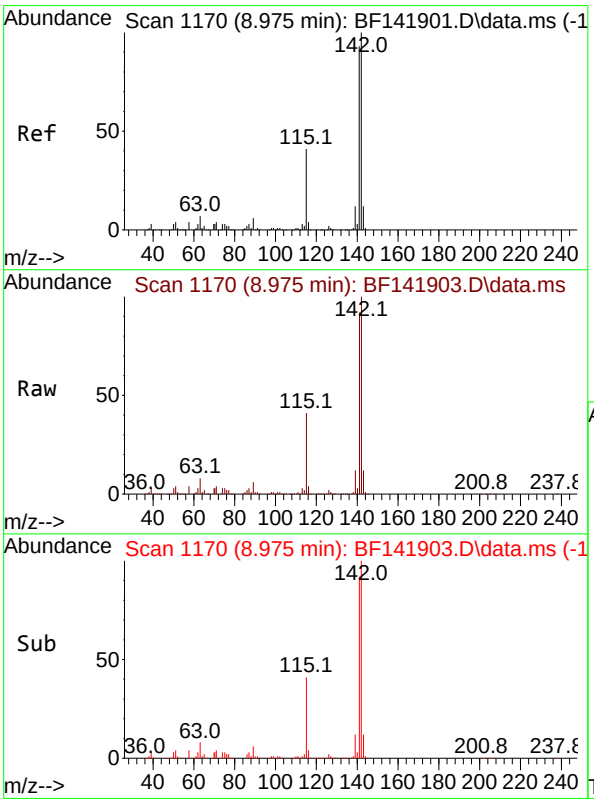

#37
2-Methylnaphthalene
Concen: 58.187 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:142 Resp: 1744374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.8 | 71.2 | 106.8 |

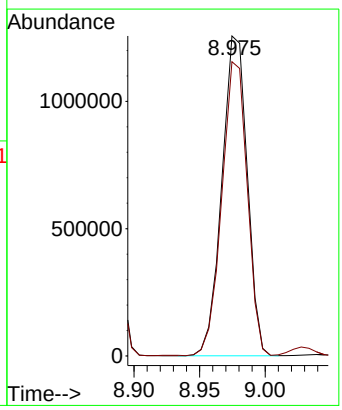


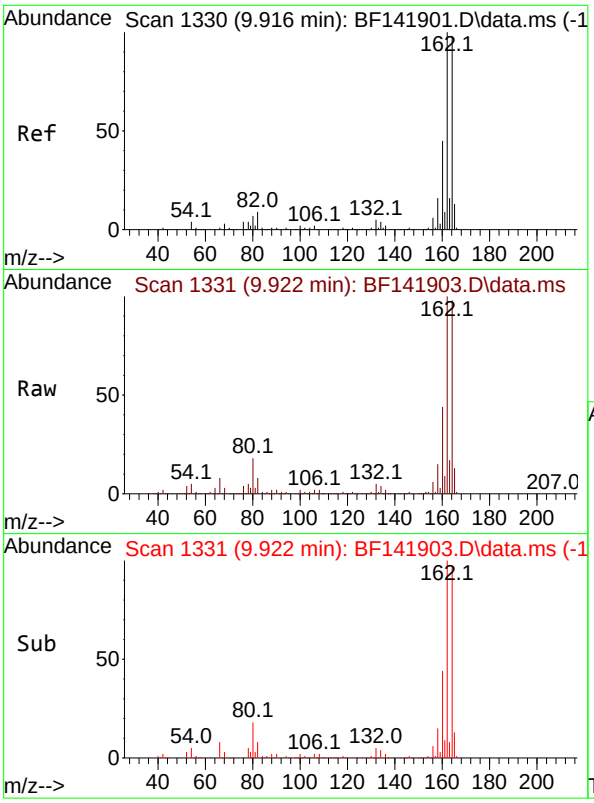




#38
1-Methylnaphthalene
Concen: 58.285 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:142 Resp: 1692113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.0 | 74.2 | 111.4 |



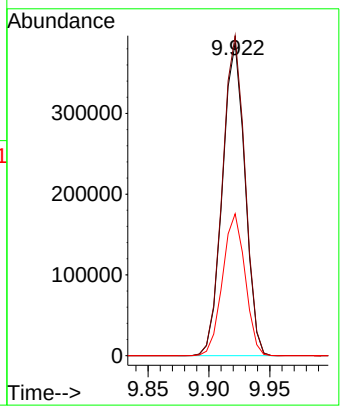


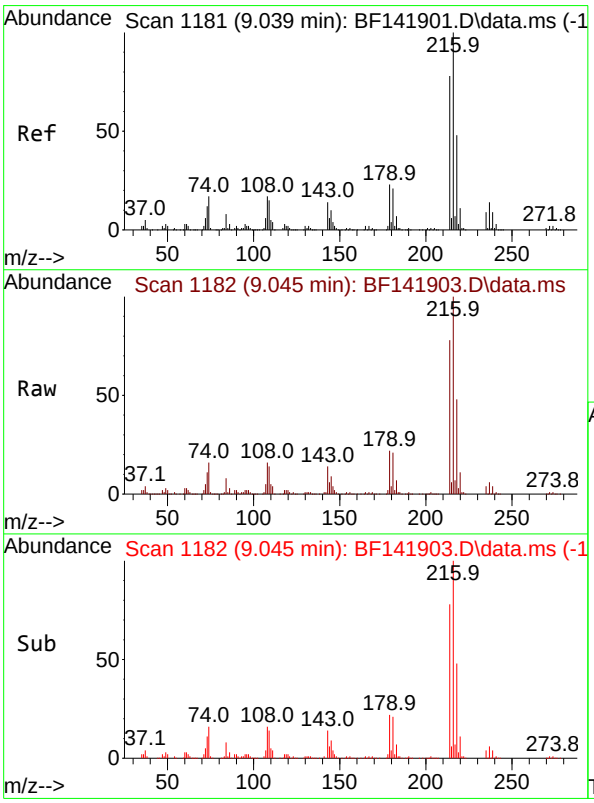

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:164 Resp: 497194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.3 | 81.8 | 122.6 |
| 160 | 45.4 | 36.7 | 55.1 |

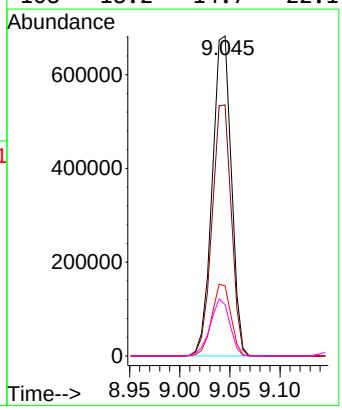


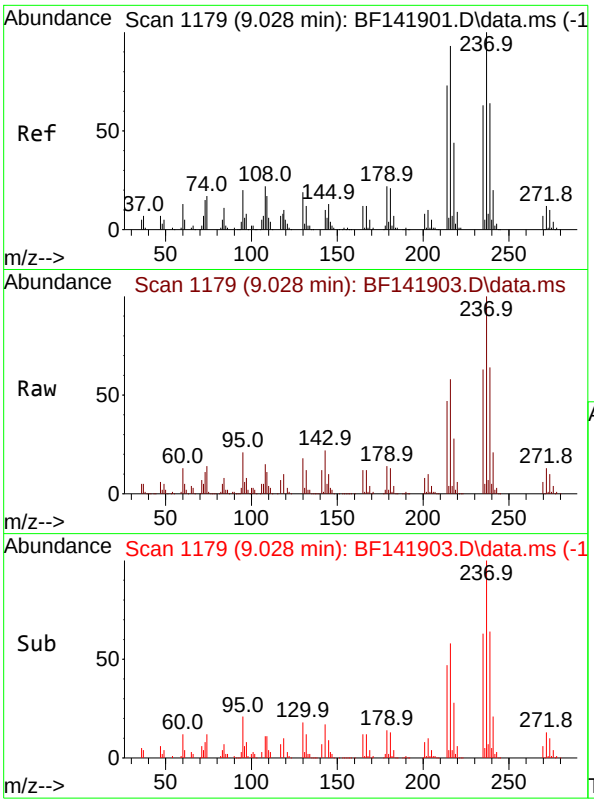




#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.627 ng
RT: 9.045 min Scan# 1182
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:216 Resp: 903928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.9 | 61.9 | 92.9 |
| 179 | 22.3 | 18.1 | 27.1 |
| 108 | 18.2 | 14.7 | 22.1 |



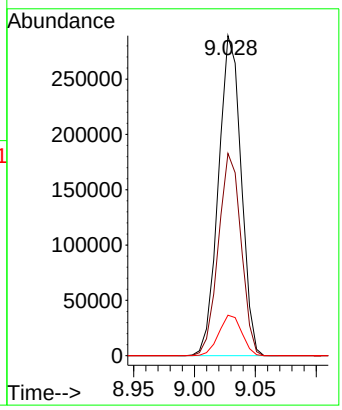


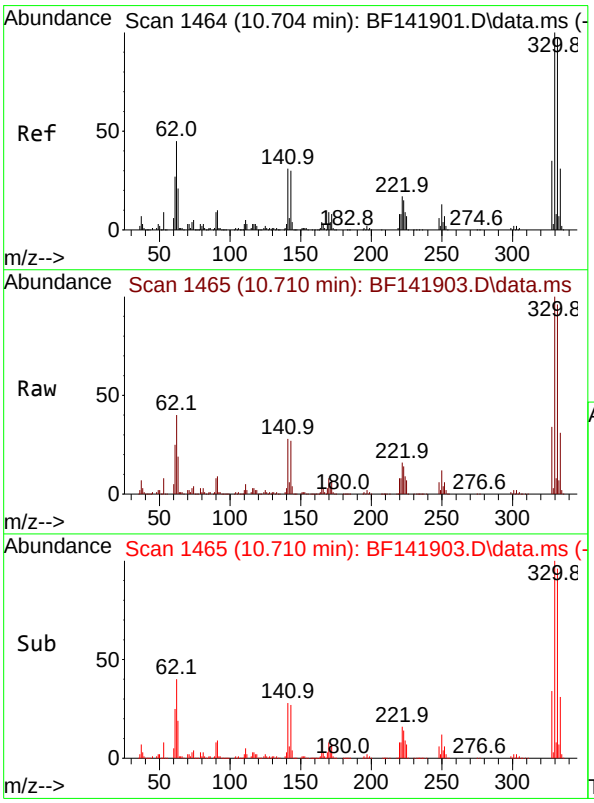

#41
Hexachlorocyclopentadiene
Concen: 62.842 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:237 Resp: 375919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.2 | 43.1 | 83.1 |
| 272 | 12.6 | 0.0 | 32.0 |

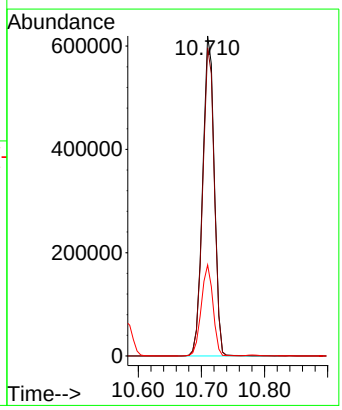


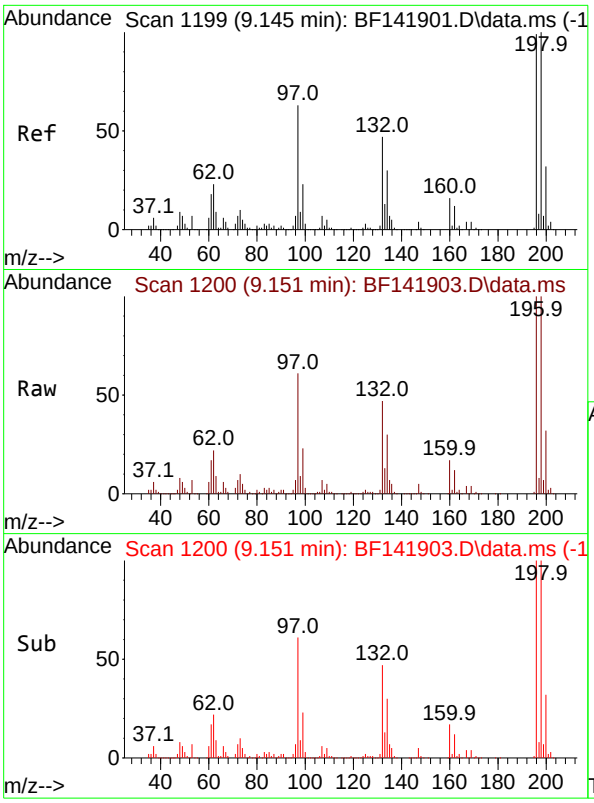




#42
2,4,6-Tribromophenol
Concen: 125.609 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:330 Resp: 791365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.6 | 77.6 | 116.4 |
| 141 | 28.7 | 24.7 | 37.1 |



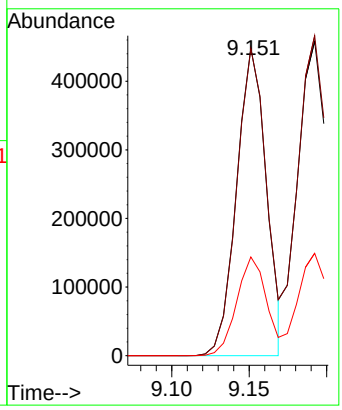


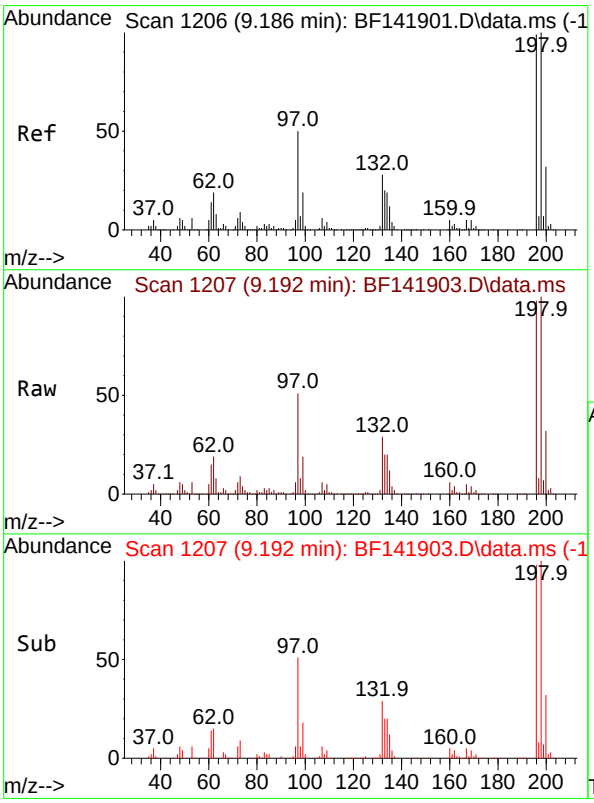

#43
2,4,6-Trichlorophenol
Concen: 60.479 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:196 Resp: 597686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.8 | 80.6 | 121.0 |
| 200 | 32.1 | 25.8 | 38.6 |

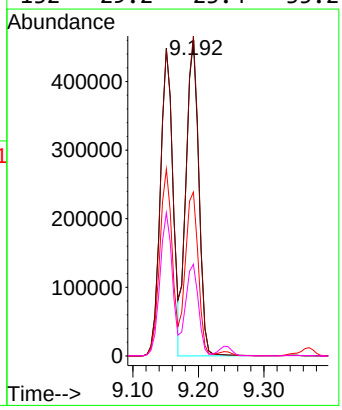


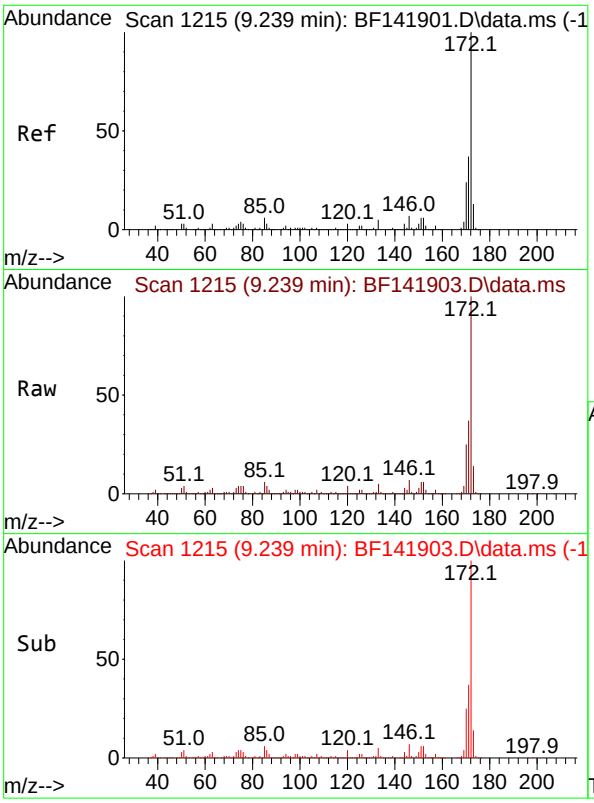




#44
2,4,5-Trichlorophenol
Concen: 61.642 ng
RT: 9.192 min Scan# 1207
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:196 Resp: 618930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 101.7 | 80.7 | 121.1 |
| 97 | 52.1 | 42.1 | 63.1 |
| 132 | 29.2 | 23.4 | 35.2 |



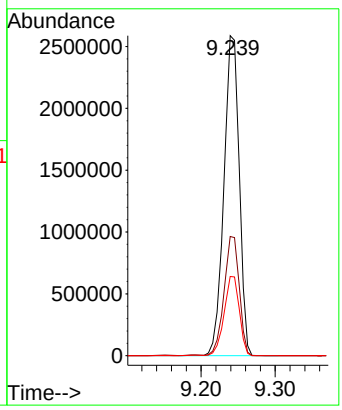


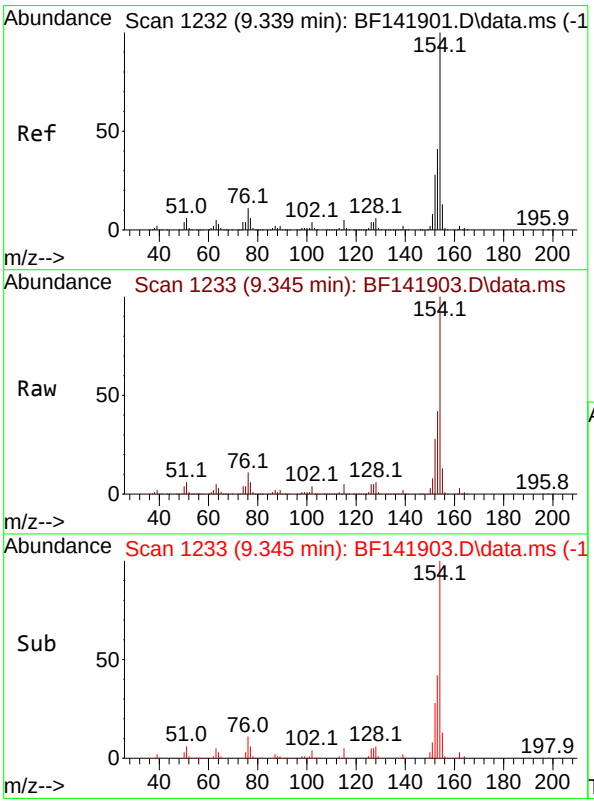

#45
2-Fluorobiphenyl
Concen: 113.827 ng
RT: 9.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:172 Resp: 3716590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.3 | 29.3 | 43.9 |
| 170 | 24.7 | 19.4 | 29.0 |

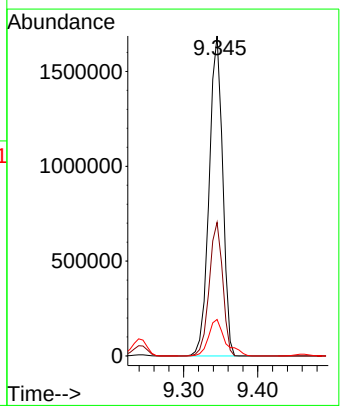


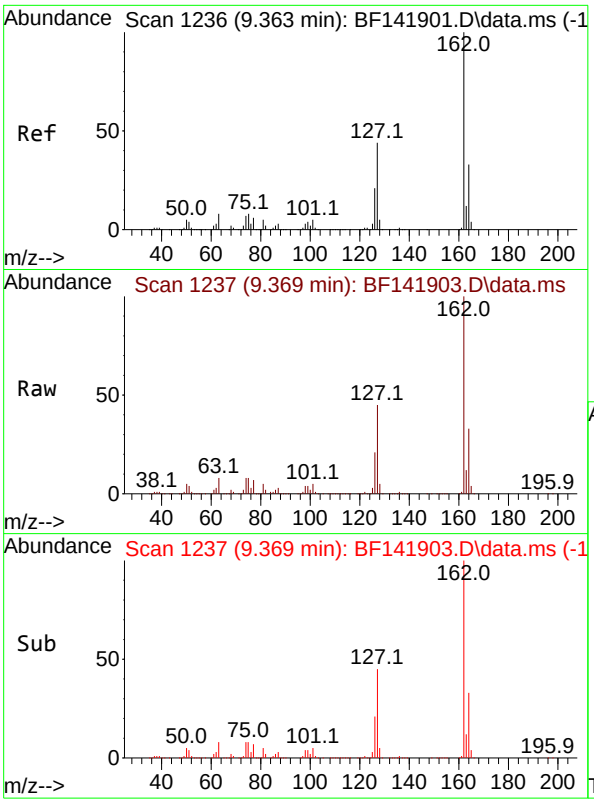




#46
1,1'-Biphenyl
Concen: 56.634 ng
RT: 9.345 min Scan# 1233
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:154 Resp: 2134829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.8 | 21.1 | 61.1 |
| 76 | 11.4 | 0.0 | 31.3 |



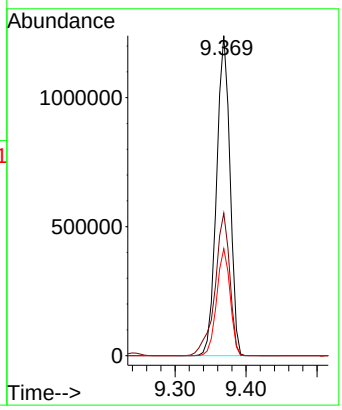


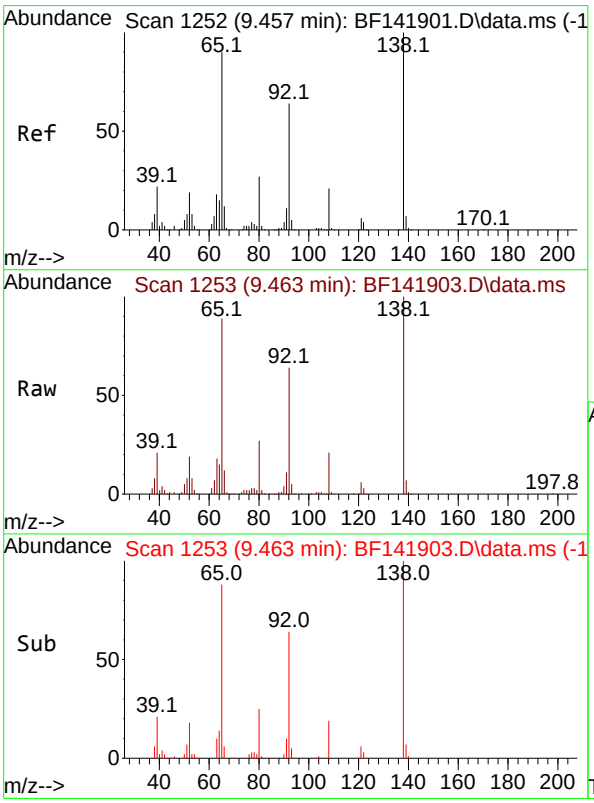

#47
2-Chloronaphthalene
Concen: 57.879 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:162 Resp: 1625973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 44.5 | 35.5 | 53.3 |
| 164 | 33.5 | 26.6 | 40.0 |

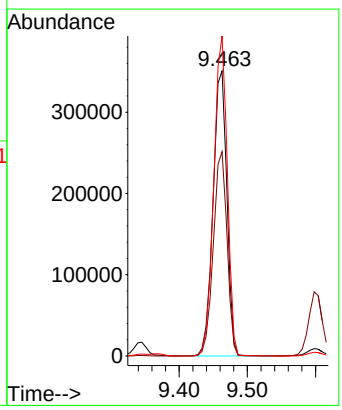


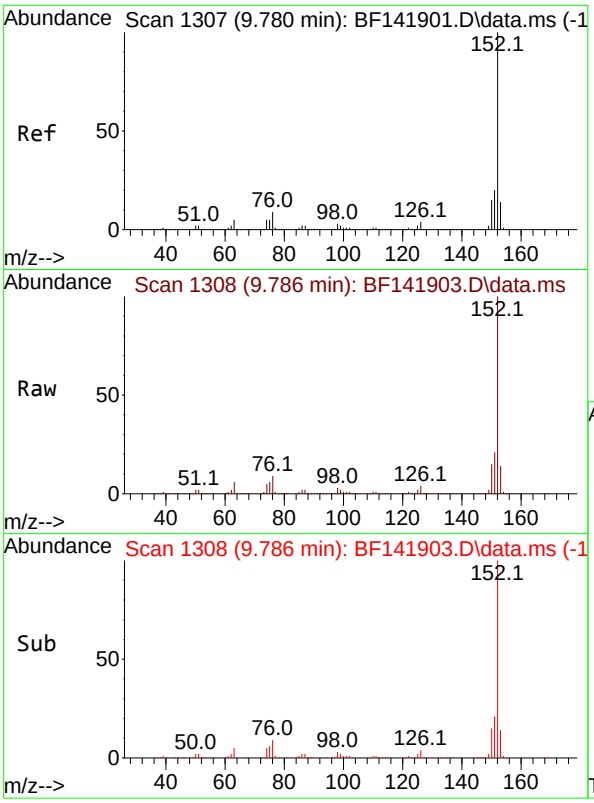




#48
2-Nitroaniline
Concen: 61.368 ng
RT: 9.463 min Scan# 1253
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 65 Resp: 495229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 71.7 | 56.6 | 84.8 |
| 138 | 112.3 | 88.6 | 133.0 |



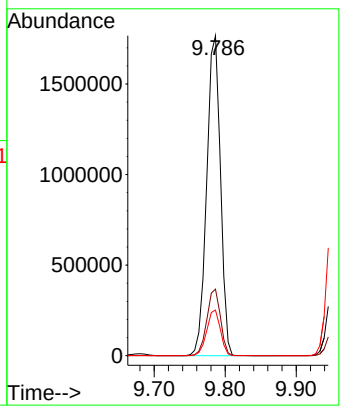


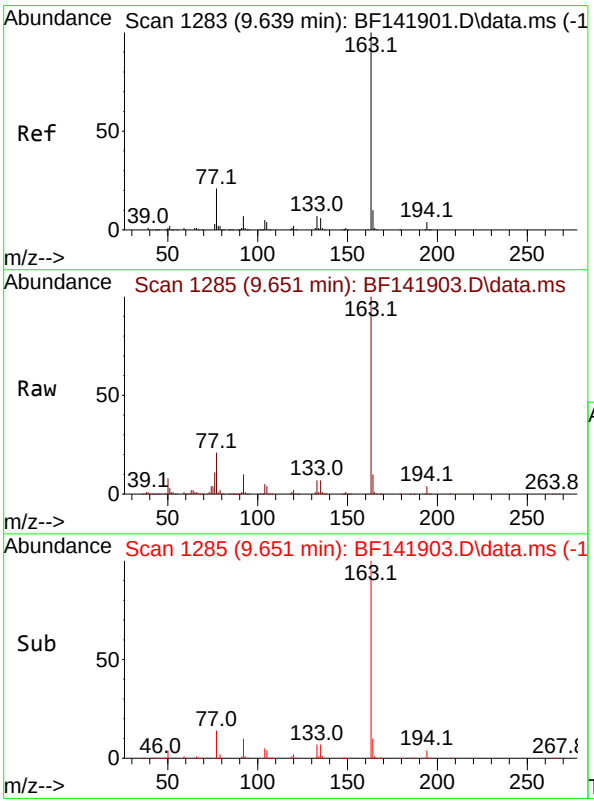

#49
Acenaphthylene
Concen: 57.125 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:152 Resp: 2379216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.8 | 16.3 | 24.5 |
| 153 | 14.2 | 11.1 | 16.7 |

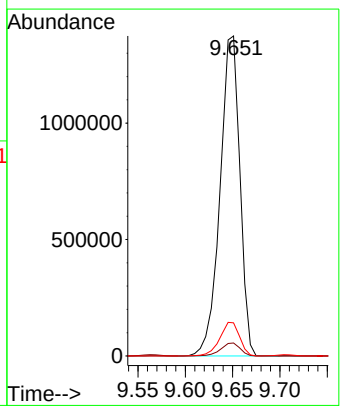


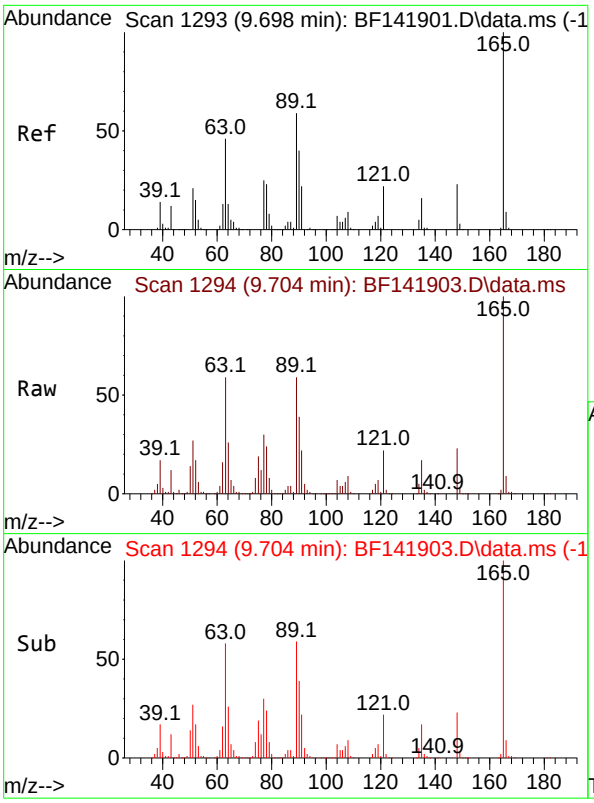




#50
Dimethylphthalate
Concen: 58.083 ng
RT: 9.651 min Scan# 1285
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:163 Resp: 2006480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.1 | 4.7 |
| 164 | 10.4 | 8.2 | 12.4 |



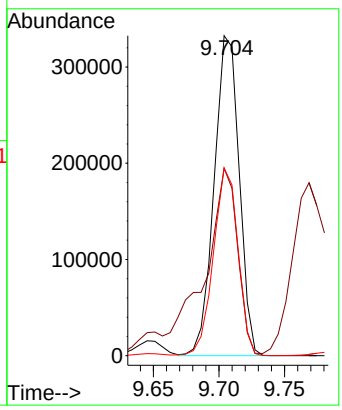


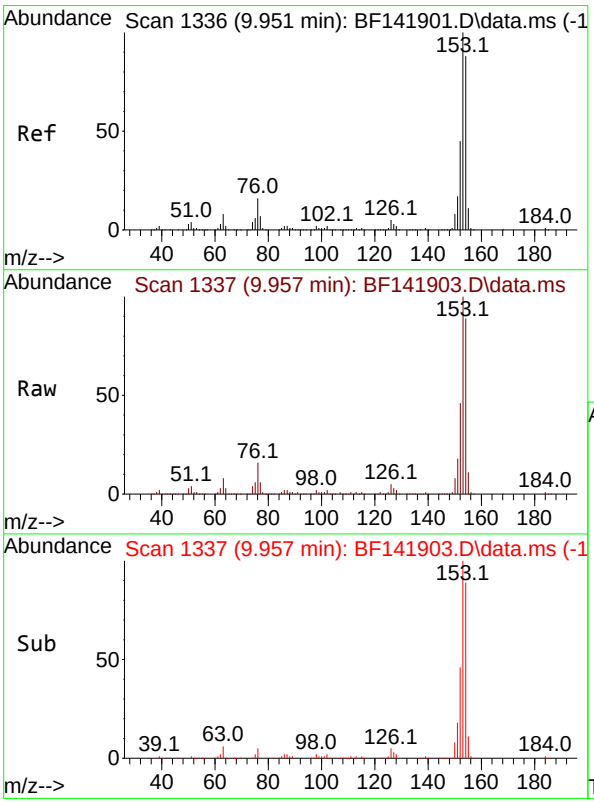

#51
2,6-Dinitrotoluene
Concen: 61.441 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:165 Resp: 441383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 58.6 | 47.0 | 70.4 |
| 89 | 58.6 | 47.4 | 71.2 |

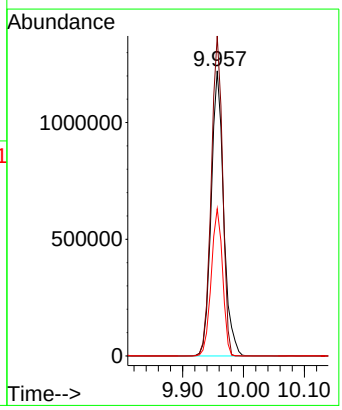


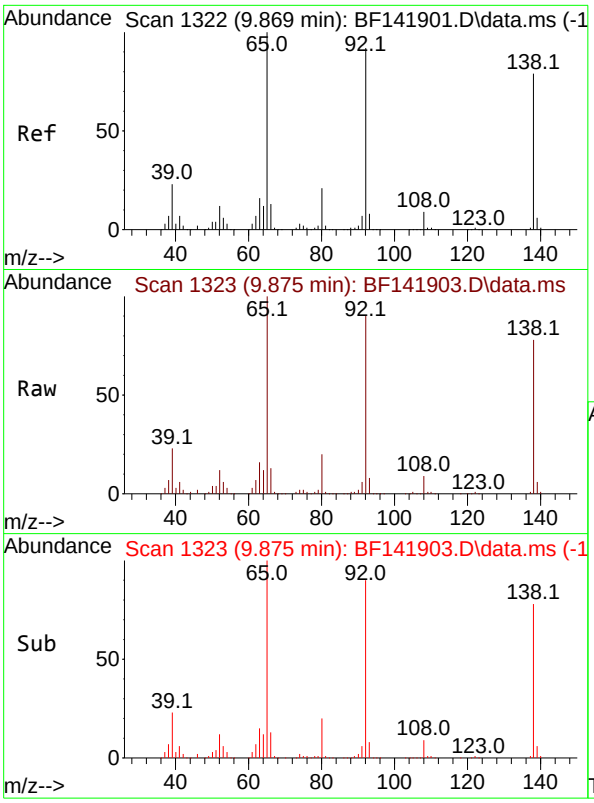




#52
Acenaphthene
Concen: 59.065 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:154 Resp: 1737049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.2 | 90.7 | 136.1 |
| 152 | 51.6 | 41.1 | 61.7 |



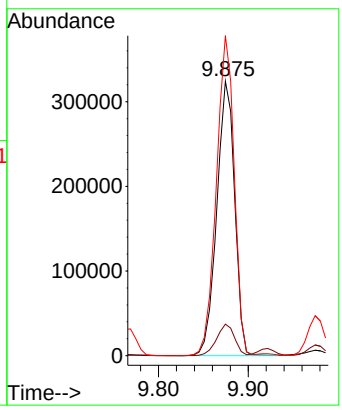


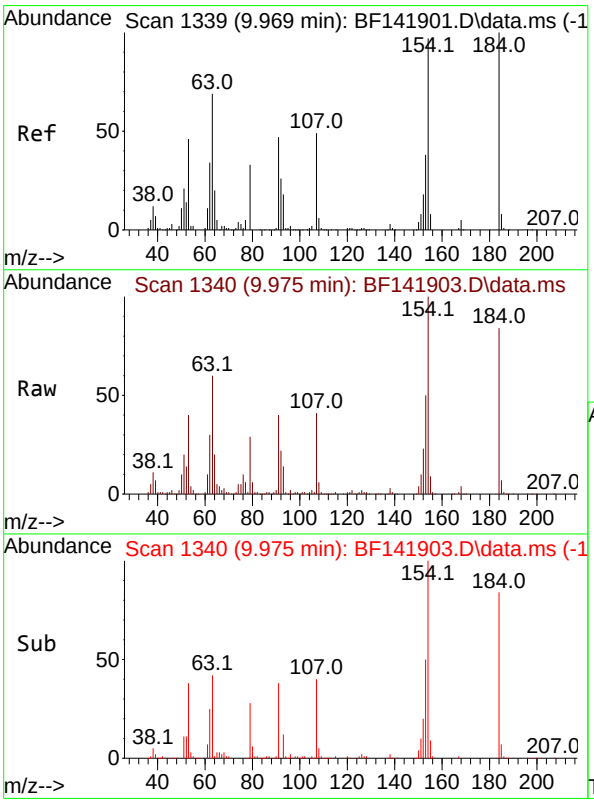

#53
3-Nitroaniline
Concen: 60.945 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:138 Resp: 449553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.5 | 9.3 | 13.9 |
| 92 | 116.5 | 93.5 | 140.3 |

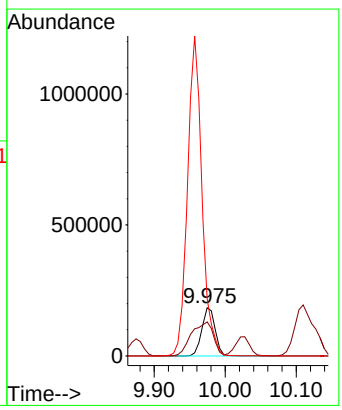


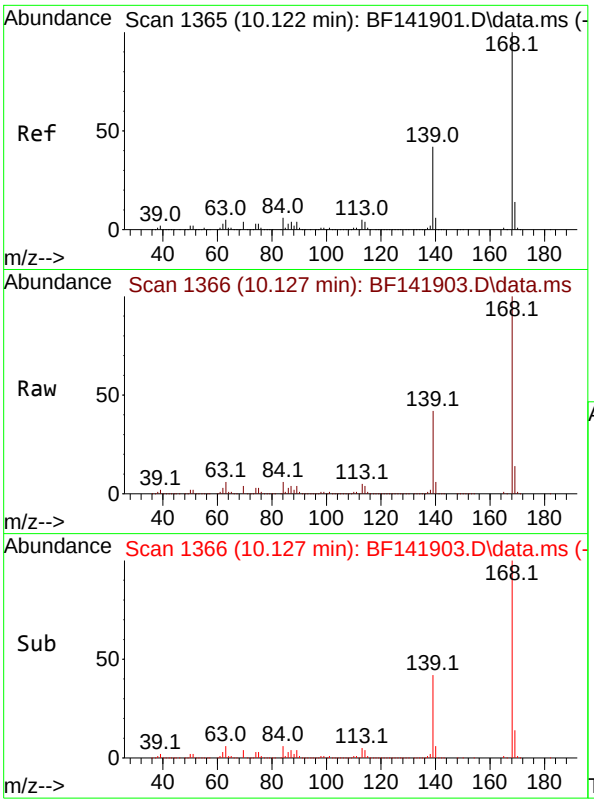




#54
2,4-Dinitrophenol
Concen: 60.329 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:184 Resp: 240530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 70.8 | 60.2 | 90.4 |
| 154 | 118.6 | 132.9 | 199.3# |



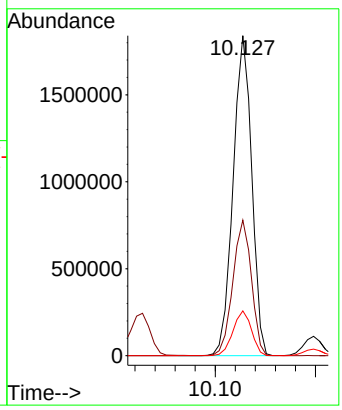


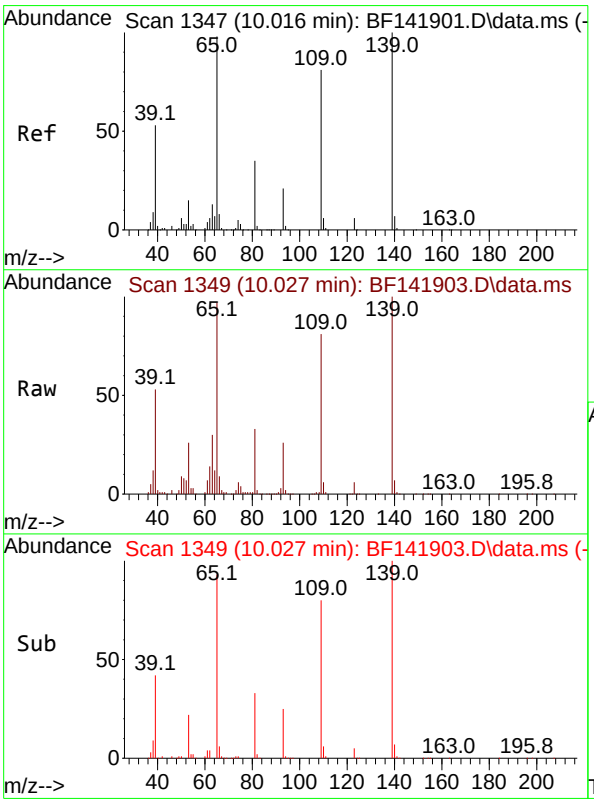

#55
Dibenzofuran
Concen: 56.781 ng
RT: 10.127 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:168 Resp: 2380973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 42.4 | 33.9 | 50.9 |
| 169 | 14.0 | 11.0 | 16.4 |

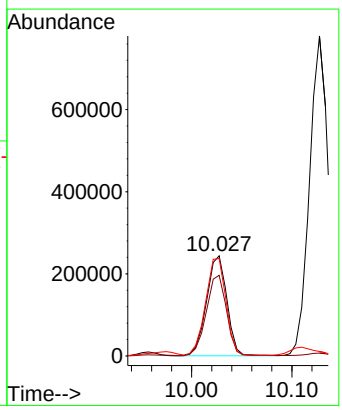


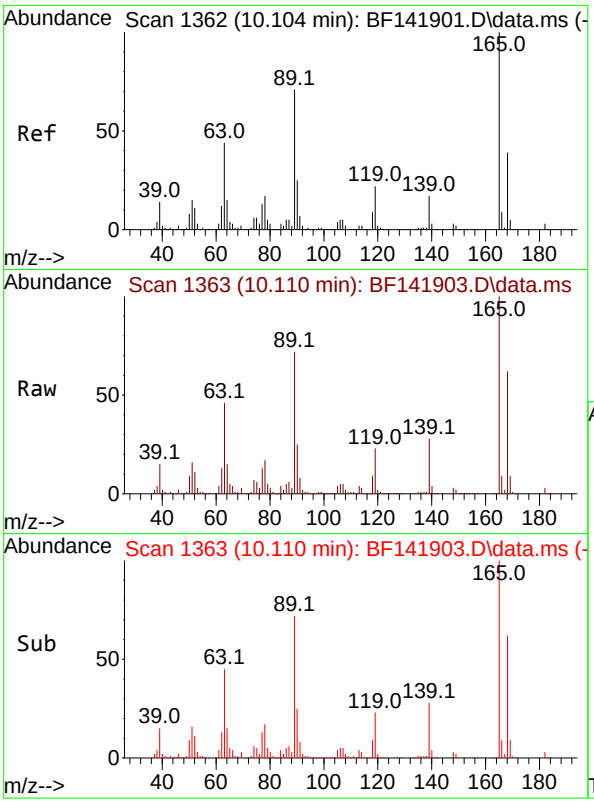




#56
4-Nitrophenol
Concen: 62.021 ng
RT: 10.027 min Scan# 1349
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:139 Resp: 343657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 80.6 | 61.6 | 101.6 |
| 65 | 97.3 | 79.4 | 119.4 |



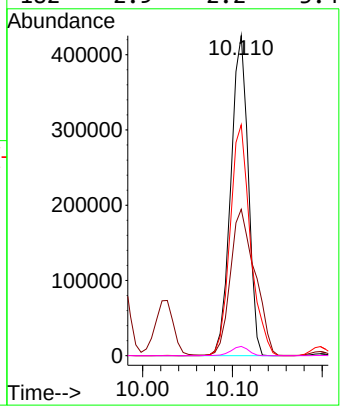


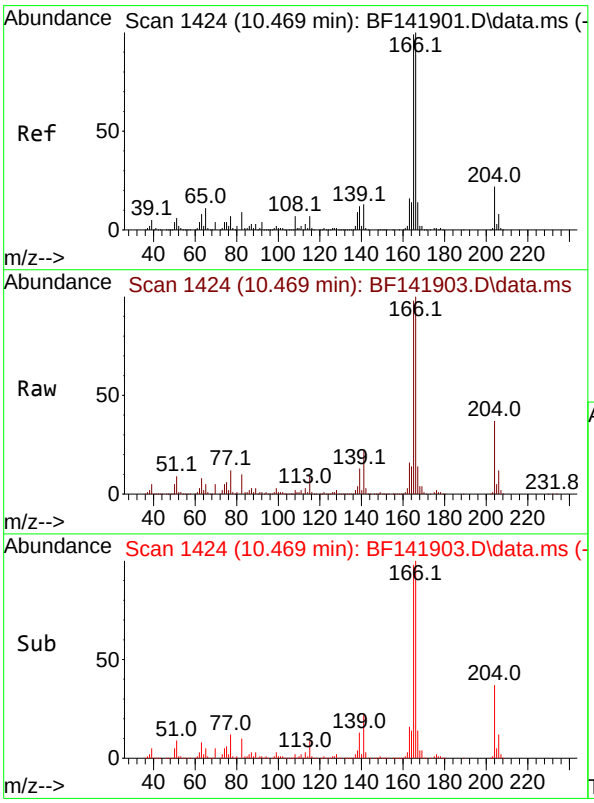

#57
2,4-Dinitrotoluene
Concen: 60.461 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:165 Resp: 571731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 45.8 | 35.4 | 53.2 |
| 89 | 72.1 | 56.6 | 84.8 |
| 182 | 2.9 | 2.2 | 3.4 |

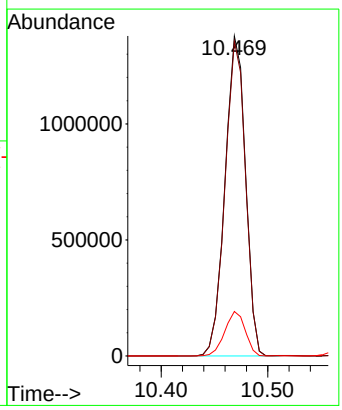


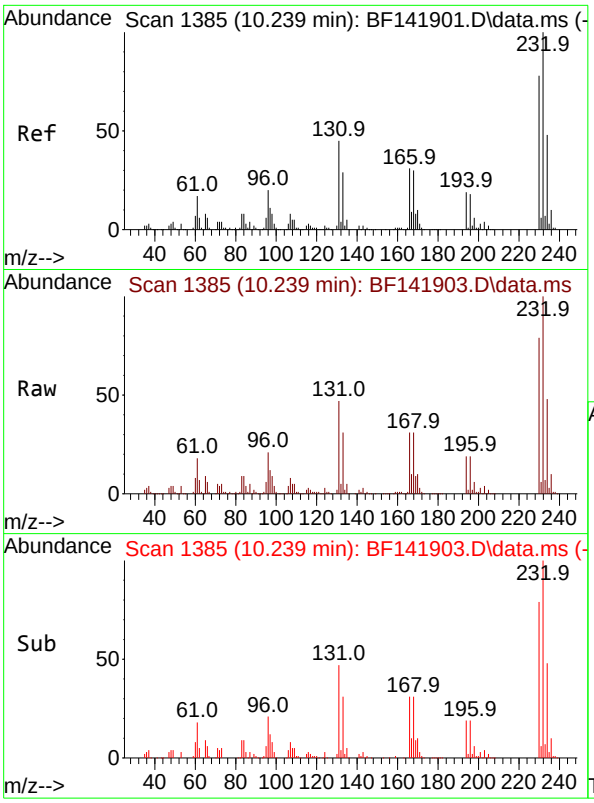




#58
Fluorene
Concen: 56.859 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:166 Resp: 1840654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.3 | 79.0 | 118.4 |
| 167 | 13.9 | 11.0 | 16.4 |



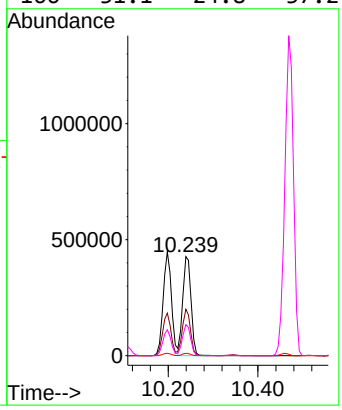


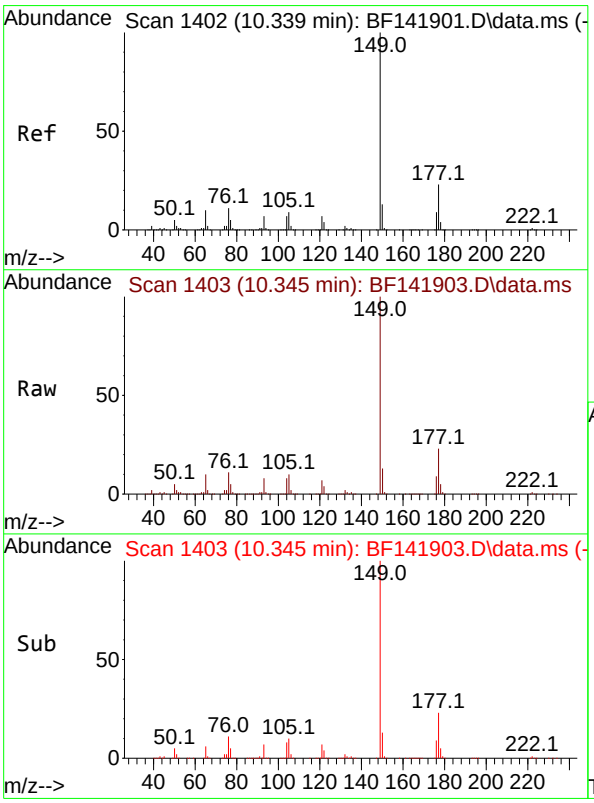

#59
2,3,4,6-Tetrachlorophenol
Concen: 60.002 ng
RT: 10.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:232 Resp: 546621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.3 | 37.3 | 55.9 |
| 130 | 2.4 | 1.9 | 2.9 |
| 166 | 31.1 | 24.8 | 37.2 |

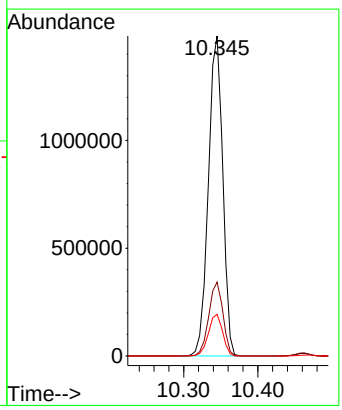


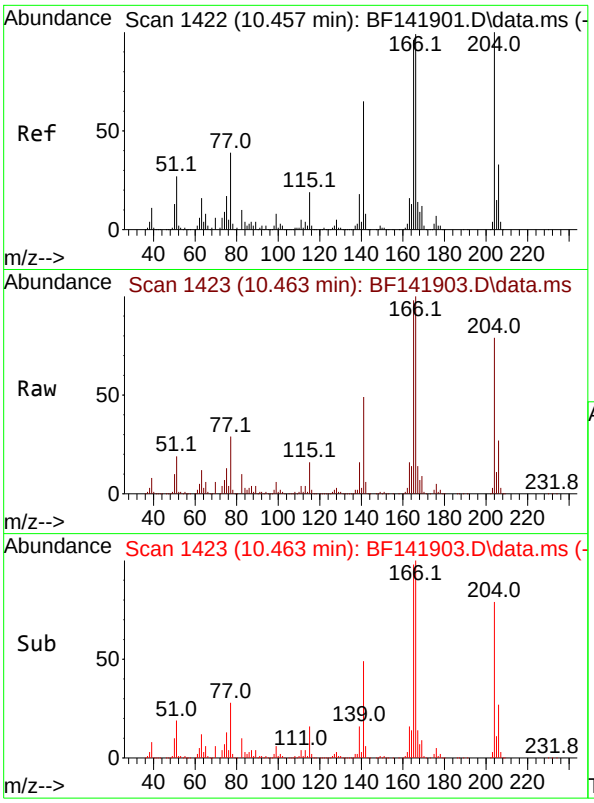




#60
Diethylphthalate
Concen: 57.552 ng
RT: 10.345 min Scan# 1403
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:149 Resp: 1995827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 23.0 | 18.0 | 27.0 |
| 150 | 13.0 | 10.2 | 15.4 |



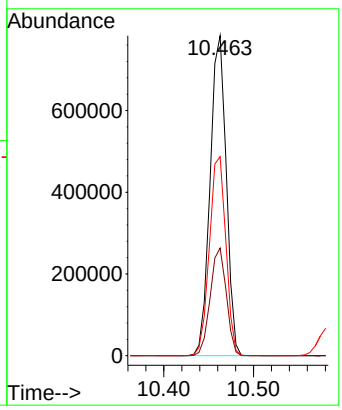


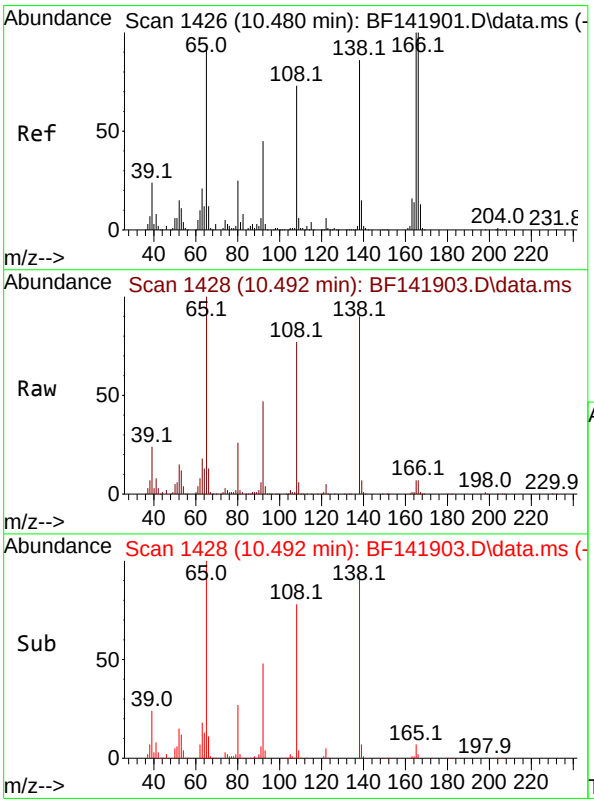

#61
4-Chlorophenyl-phenylether
Concen: 57.993 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:204 Resp: 977819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.6 | 26.8 | 40.2 |
| 141 | 62.2 | 52.4 | 78.6 |

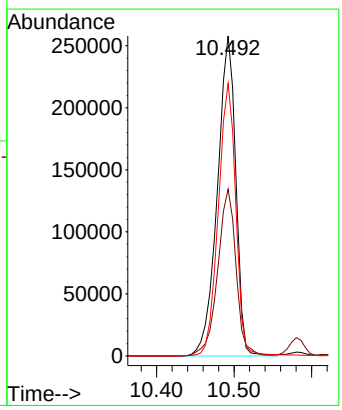


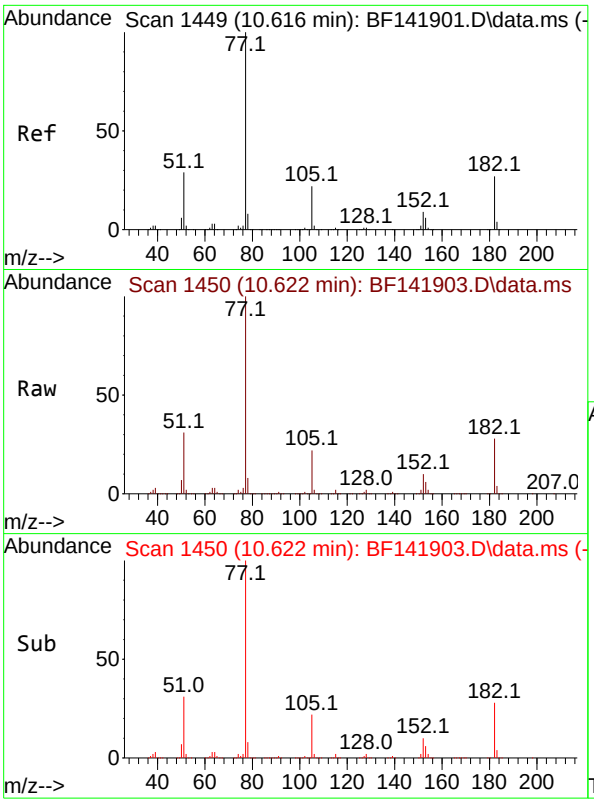




#62
4-Nitroaniline
Concen: 59.702 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:138 Resp: 426741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 52.2 | 32.6 | 72.6 |
| 108 | 85.2 | 65.0 | 105.0 |



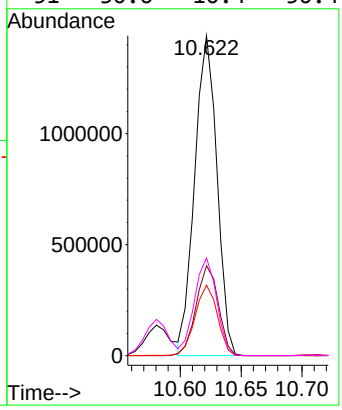


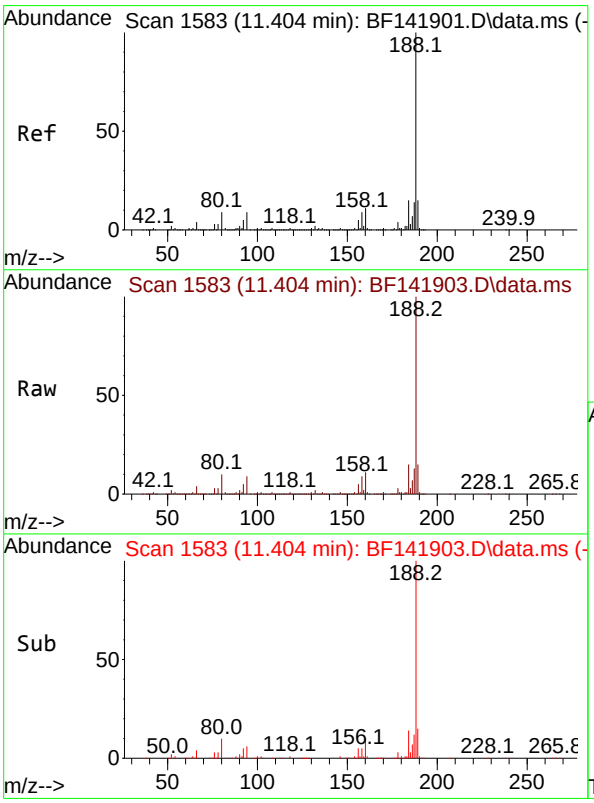

#63
Azobenzene
Concen: 56.784 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion: 77 Resp: 1829282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 28.1 | 6.6 | 46.6 |
| 105 | 22.0 | 1.3 | 41.3 |
| 51 | 30.6 | 10.4 | 50.4 |

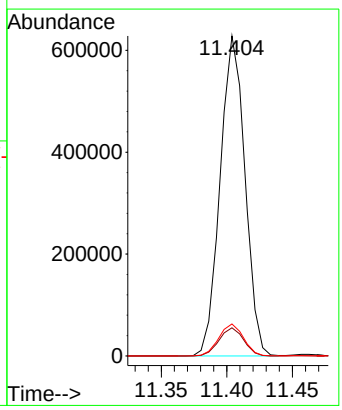


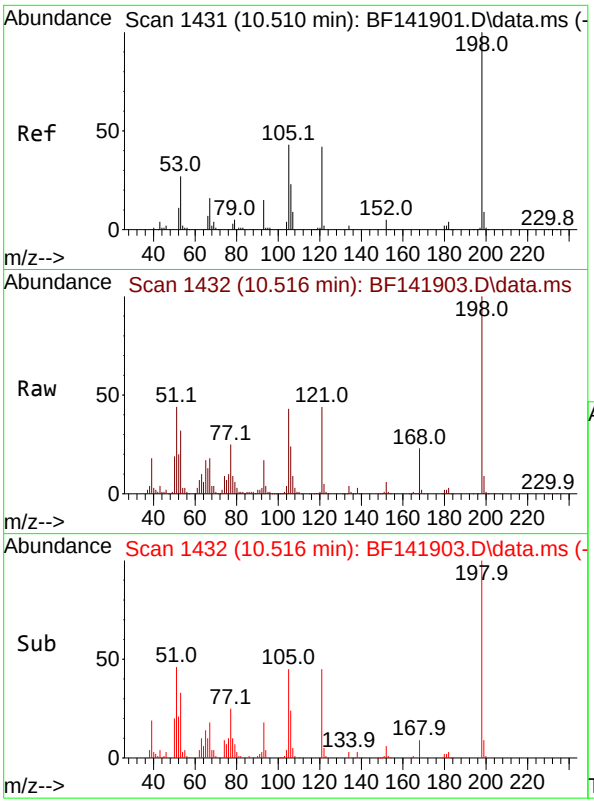




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:188 Resp: 827202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.8 | 6.8 | 10.2 |
| 80 | 10.0 | 7.6 | 11.4 |



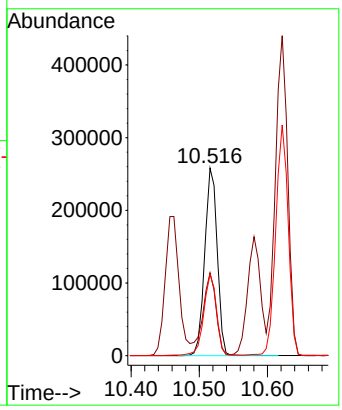


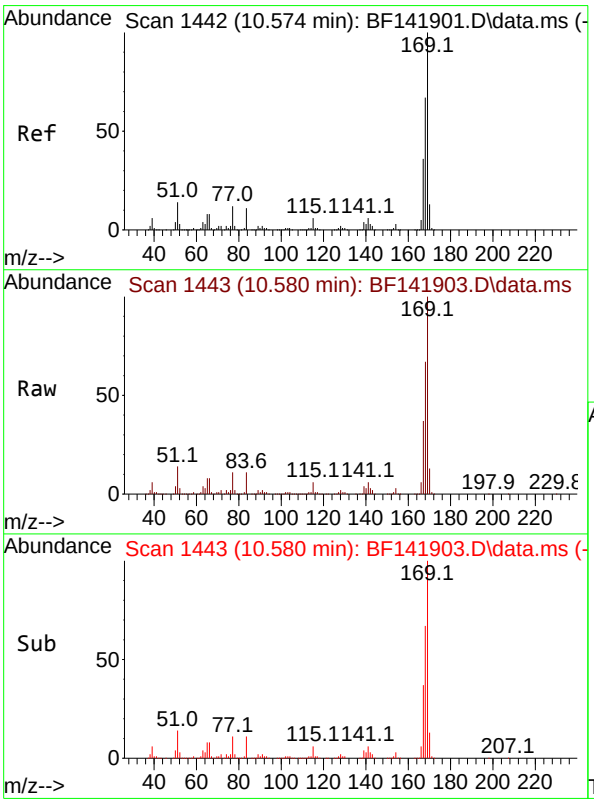

#65
4,6-Dinitro-2-methylphenol
Concen: 67.356 ng
RT: 10.516 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:198 Resp: 330315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 44.2 | 22.3 | 62.3 |
| 105 | 43.4 | 23.0 | 63.0 |

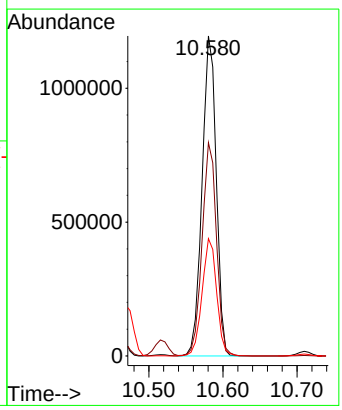


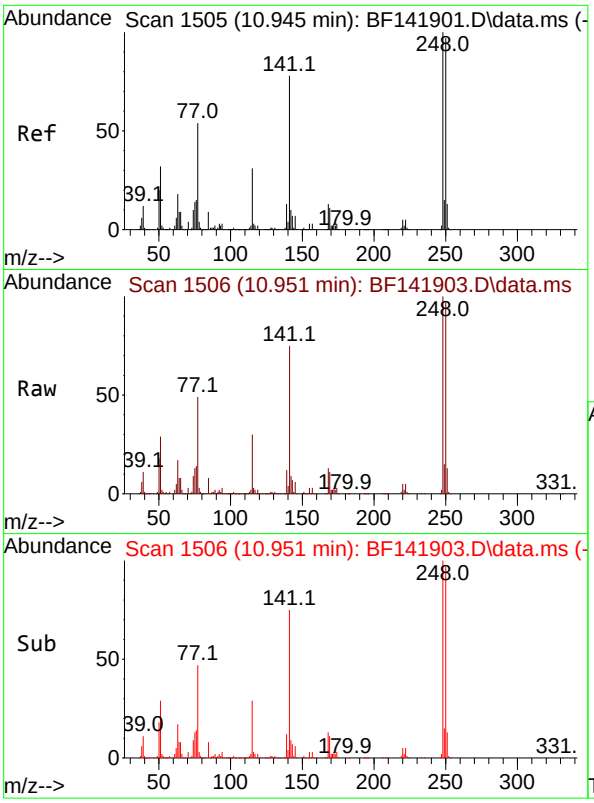




#66
n-Nitrosodiphenylamine
Concen: 59.270 ng
RT: 10.580 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:169 Resp: 1583832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.6 | 53.7 | 80.5 |
| 167 | 36.6 | 29.2 | 43.8 |



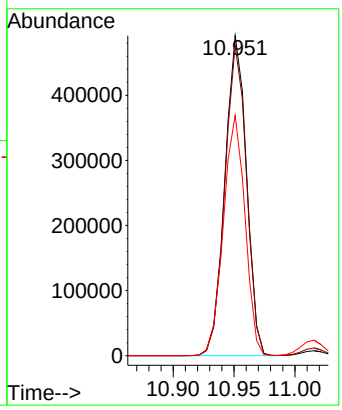


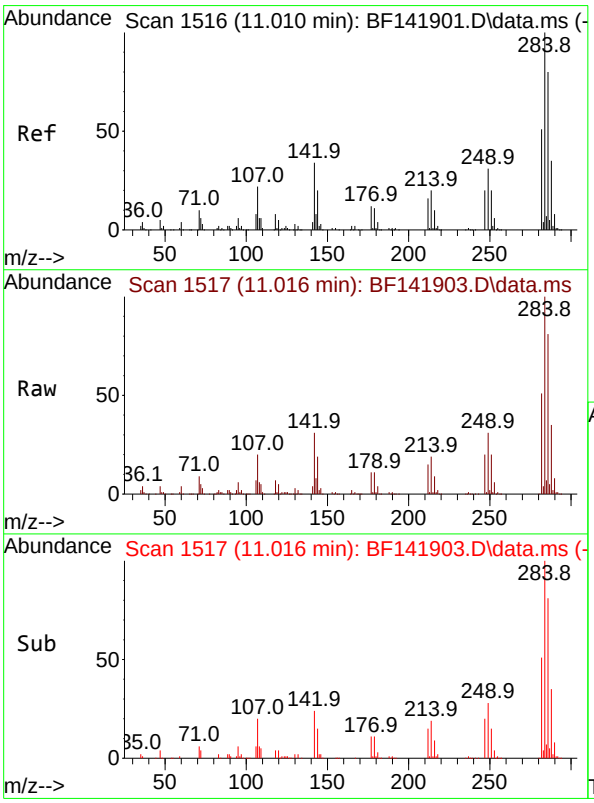

#67
4-Bromophenyl-phenylether
Concen: 59.044 ng
RT: 10.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:248 Resp: 608246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.0 | 77.8 | 116.8 |
| 141 | 75.1 | 62.6 | 93.8 |

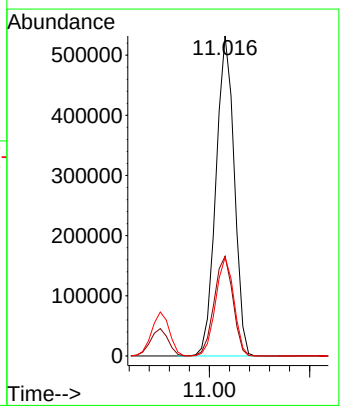


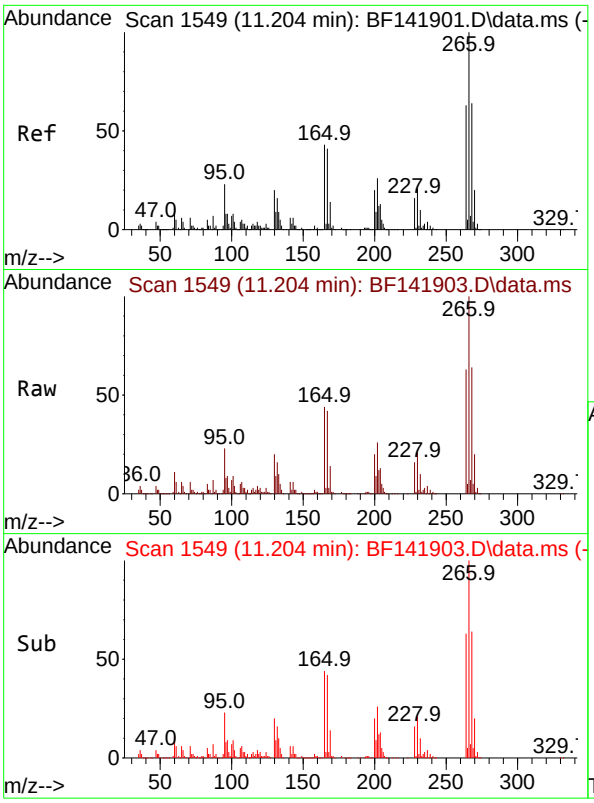




#68
Hexachlorobenzene
Concen: 59.144 ng
RT: 11.016 min Scan# 1517
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:284 Resp: 673465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.1 | 27.0 | 40.6 |
| 249 | 30.8 | 25.2 | 37.8 |



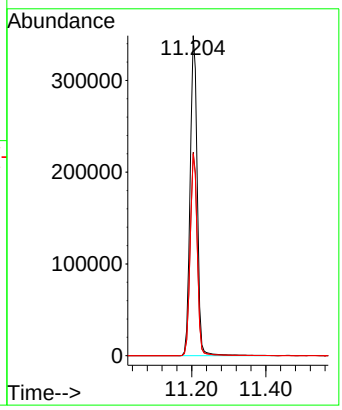


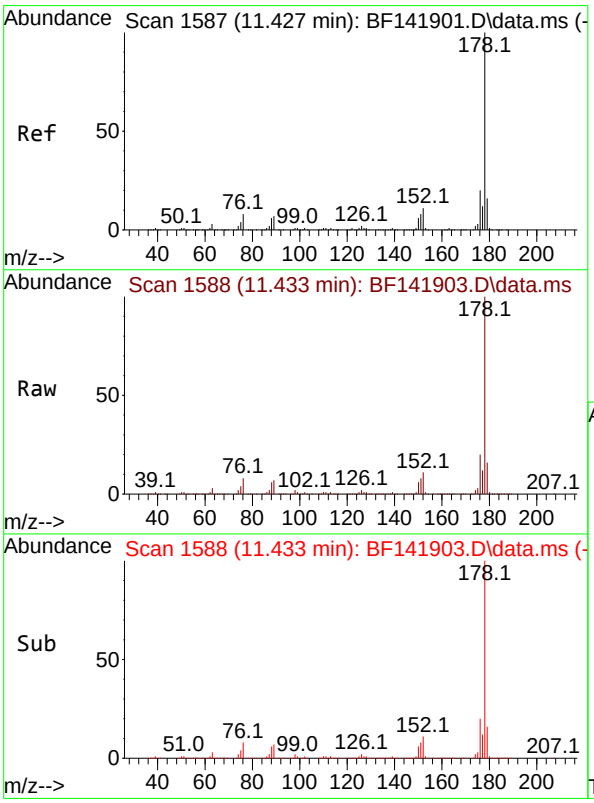

#70
Pentachlorophenol
Concen: 65.893 ng
RT: 11.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:266 Resp: 462709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.5 | 51.0 | 76.6 |
| 264 | 63.1 | 50.2 | 75.2 |

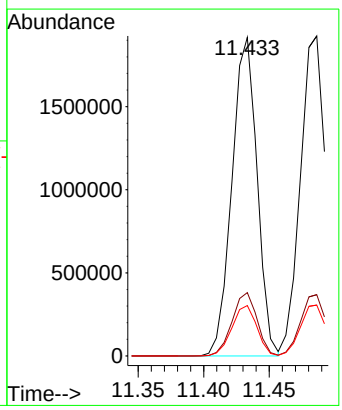


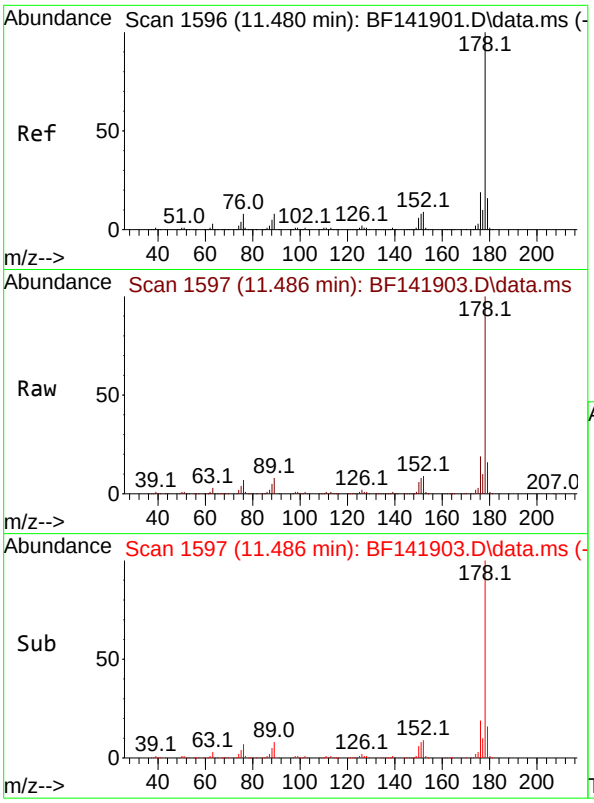




#71
Phenanthrene
Concen: 57.232 ng
RT: 11.433 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:178 Resp: 2560092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.9 | 15.8 | 23.8 |
| 179 | 15.8 | 12.6 | 19.0 |



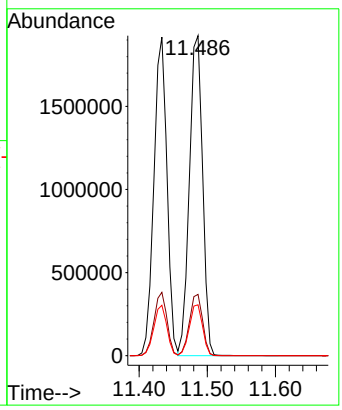


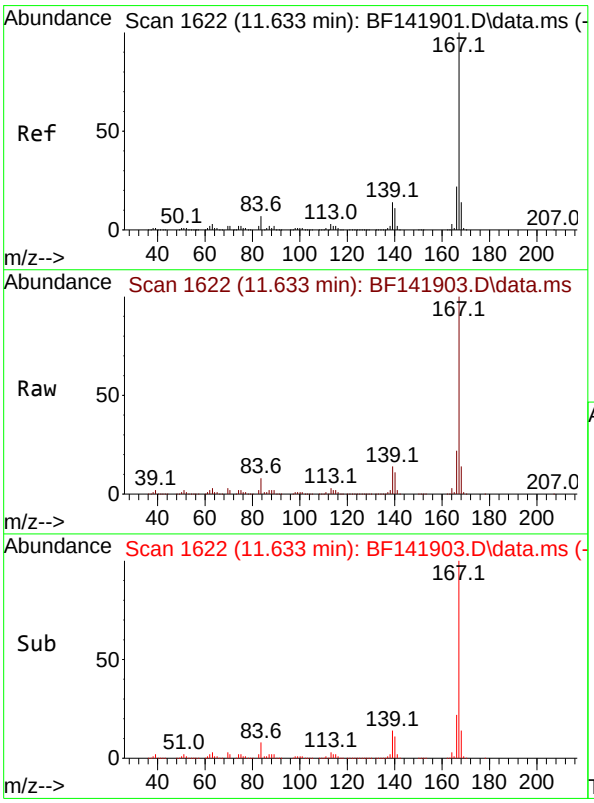

#72
Anthracene
Concen: 57.281 ng
RT: 11.486 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:178 Resp: 2570717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.1 | 22.7 |
| 179 | 15.9 | 12.6 | 19.0 |

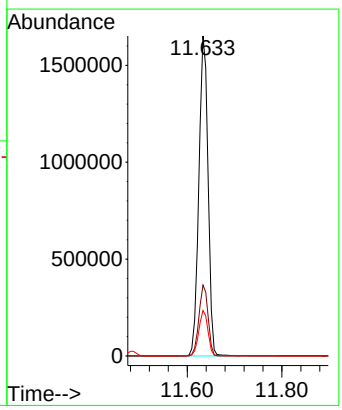


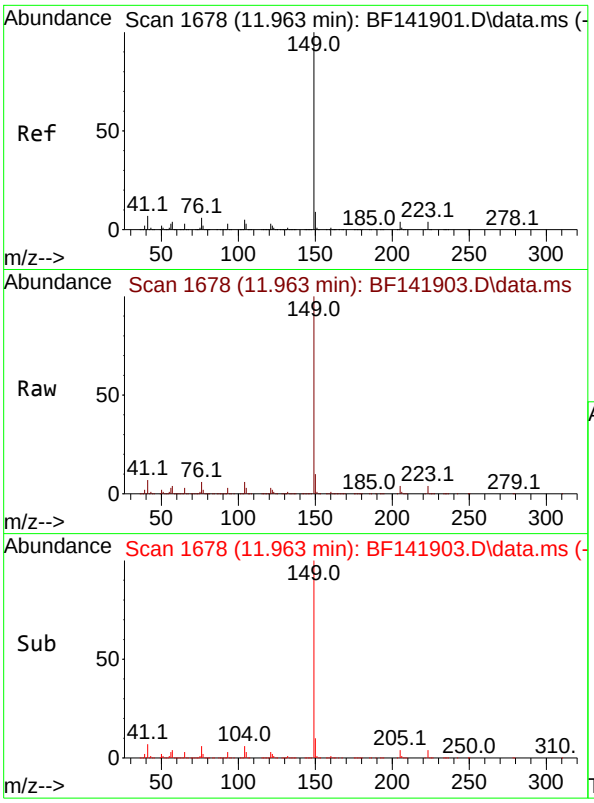




#73
Carbazole
Concen: 57.284 ng
RT: 11.633 min Scan# 1622
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:167 Resp: 2213331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.1 | 17.4 | 26.2 |
| 139 | 14.2 | 11.0 | 16.6 |



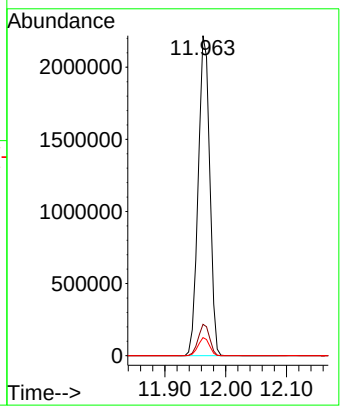


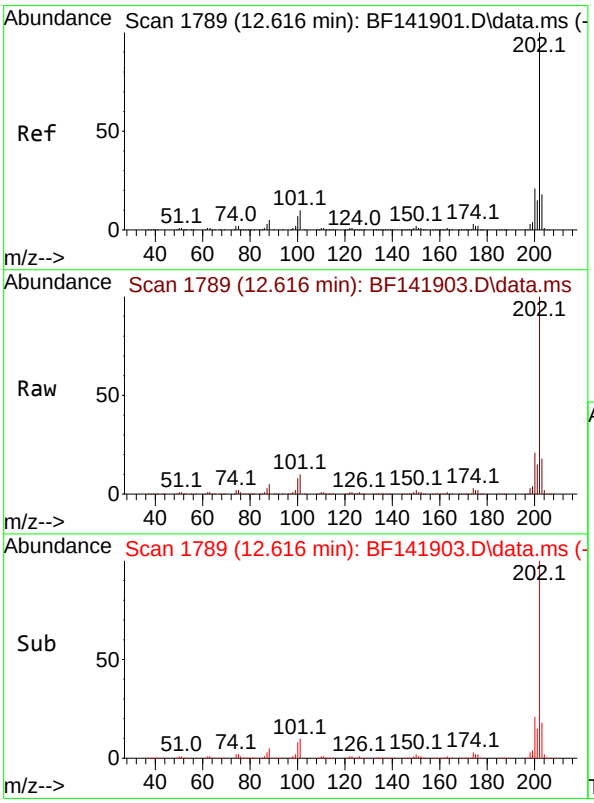

#74
Di-n-butylphthalate
Concen: 57.161 ng
RT: 11.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:149 Resp: 2916048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.8 | 7.6 | 11.4 |
| 104 | 5.6 | 4.4 | 6.6 |

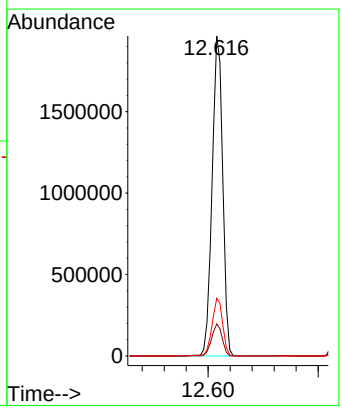


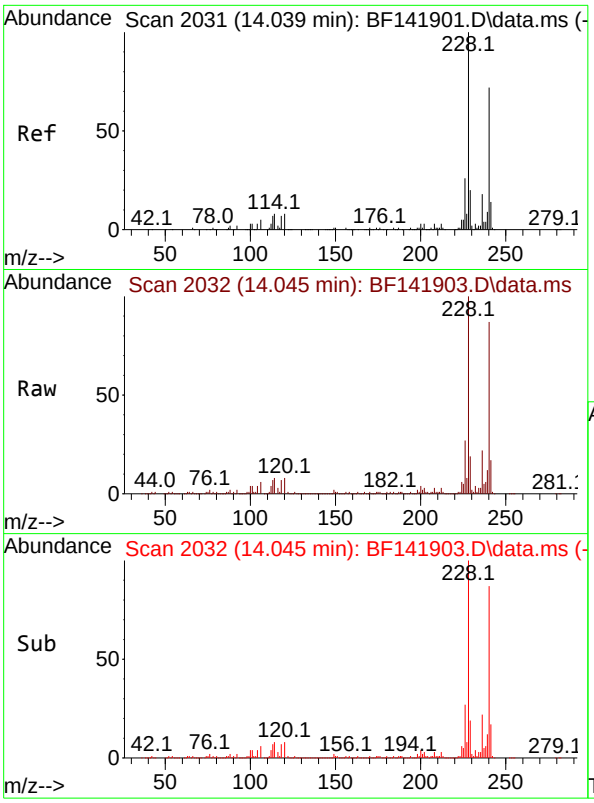




#75
Fluoranthene
Concen: 55.984 ng
RT: 12.616 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:202 Resp: 2628993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.0 | 0.0 | 29.7 |
| 203 | 18.0 | 0.0 | 37.8 |



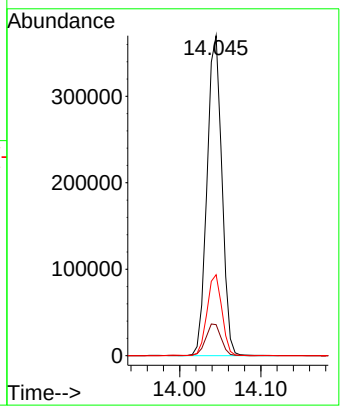


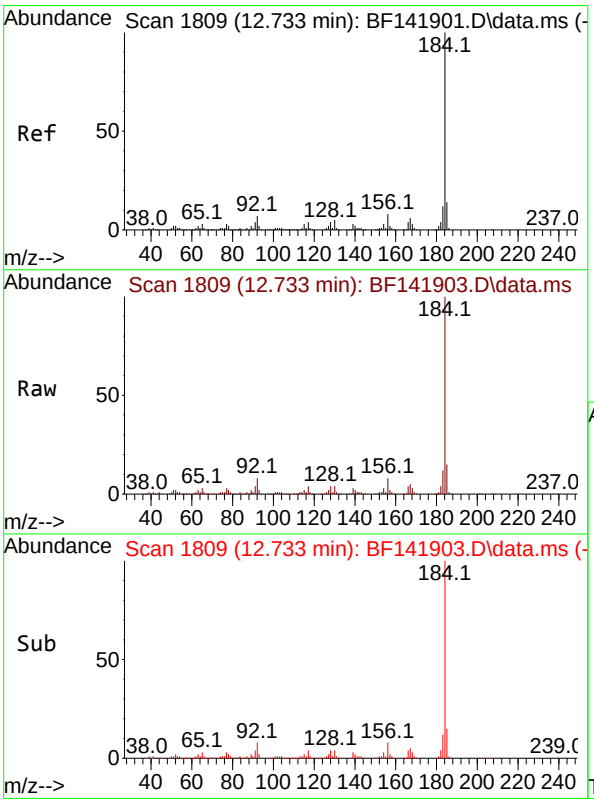

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:240 Resp: 468454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.7 | 8.4 | 12.6 |
| 236 | 25.3 | 20.5 | 30.7 |

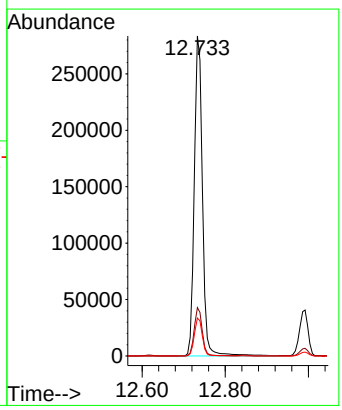


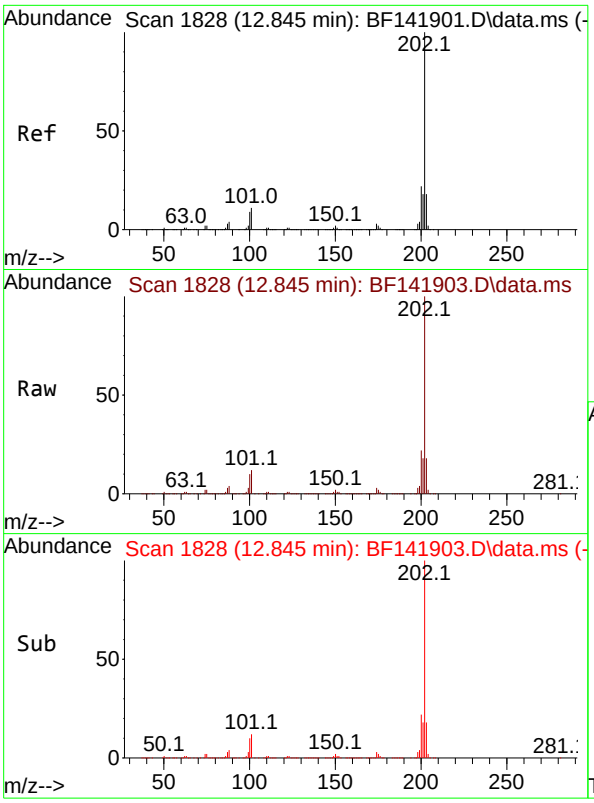




#77
Benzidine
Concen: 58.309 ng
RT: 12.733 min Scan# 1809
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:184 Resp: 386007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.1 | 11.5 | 17.3 |
| 183 | 11.9 | 9.7 | 14.5 |



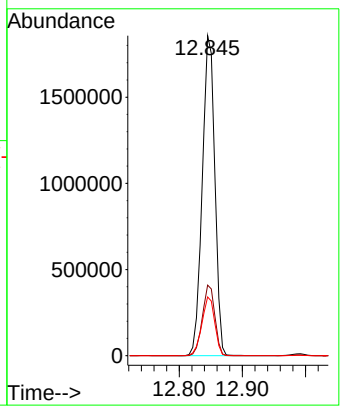


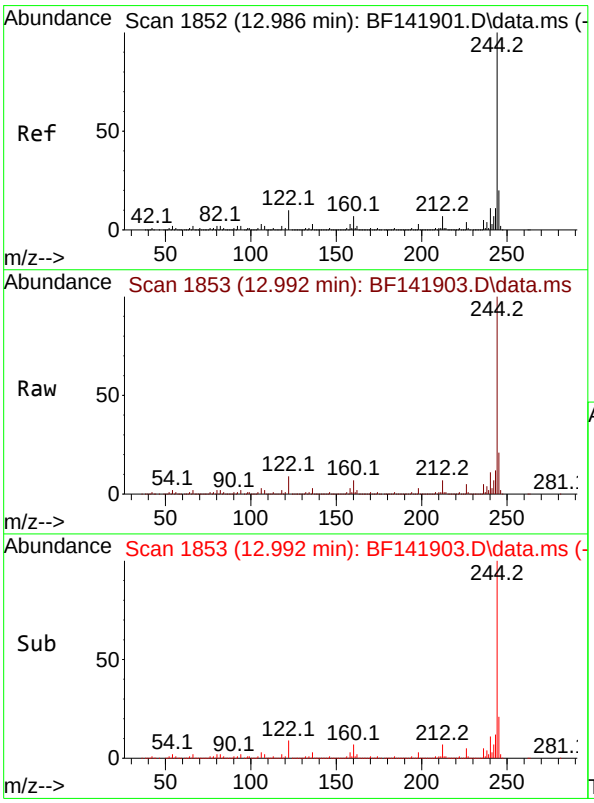

#78
Pyrene
Concen: 63.781 ng
RT: 12.845 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:202 Resp: 2562337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.0 | 17.3 | 25.9 |
| 203 | 18.4 | 14.4 | 21.6 |

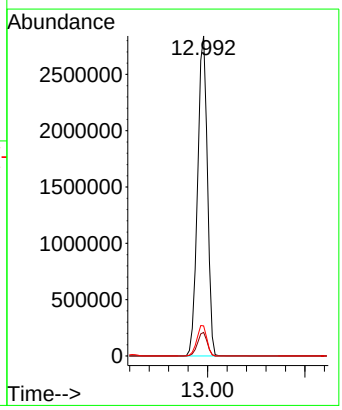


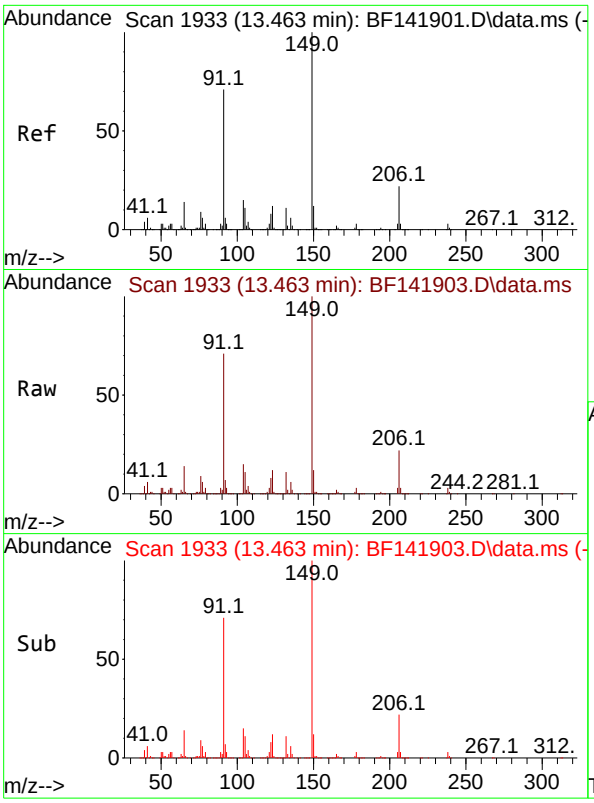




#79
Terphenyl-d14
Concen: 125.675 ng
RT: 12.992 min Scan# 1853
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:244 Resp: 3982780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.3 | 6.0 | 9.0 |
| 122 | 9.4 | 7.7 | 11.5 |



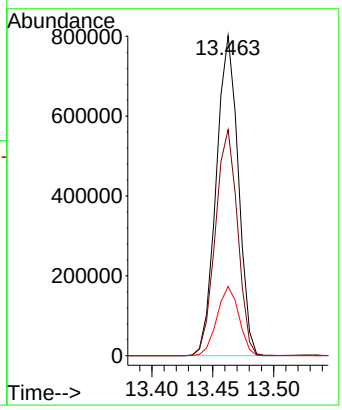


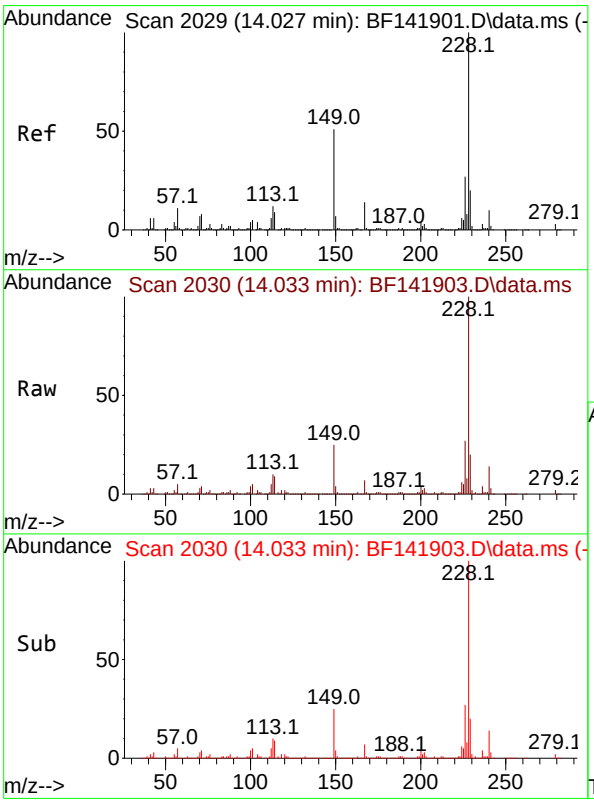

#80
Butylbenzylphthalate
Concen: 63.676 ng
RT: 13.463 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:149 Resp: 1008043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 70.7 | 56.5 | 84.7 |
| 206 | 21.6 | 17.3 | 25.9 |

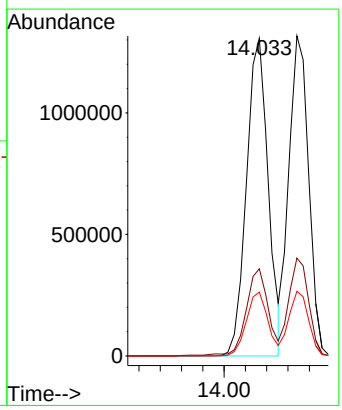


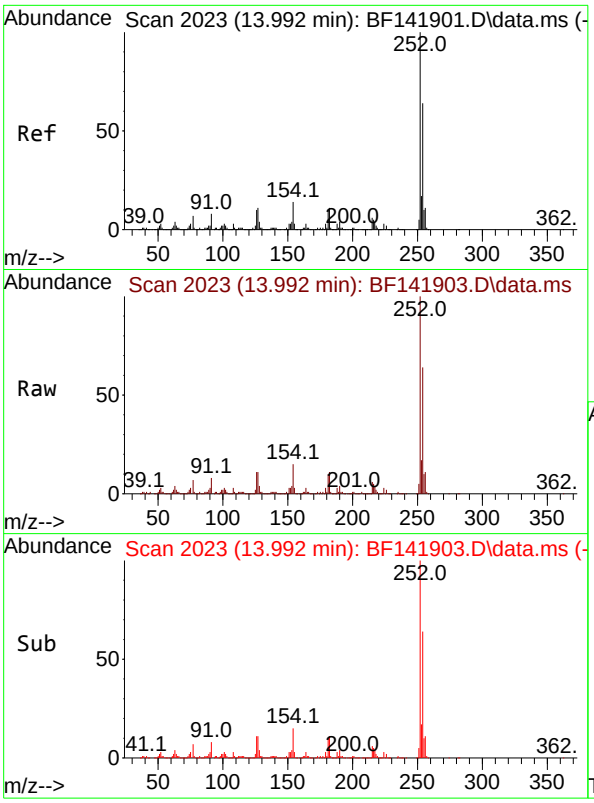




#81
Benzo(a)anthracene
Concen: 60.040 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:228 Resp: 1850347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.4 | 21.8 | 32.8 |
| 229 | 20.1 | 16.0 | 24.0 |



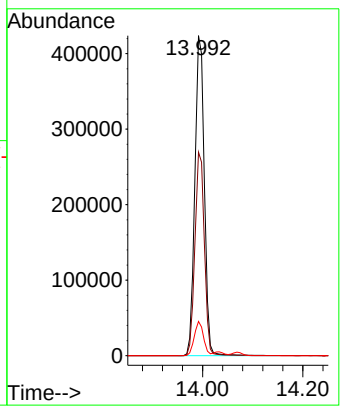


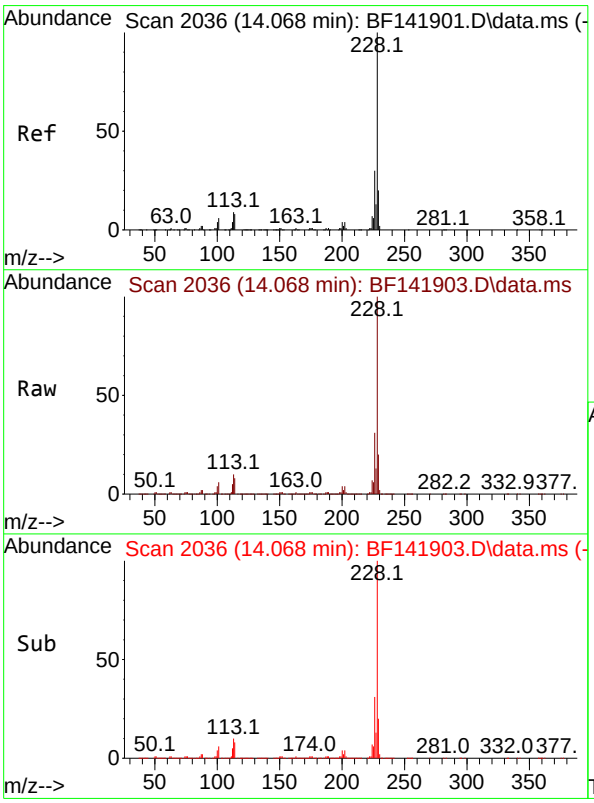

#82
3,3'-Dichlorobenzidine
Concen: 62.091 ng
RT: 13.992 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:252 Resp: 553078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.6 | 51.0 | 76.6 |
| 126 | 10.7 | 8.4 | 12.6 |

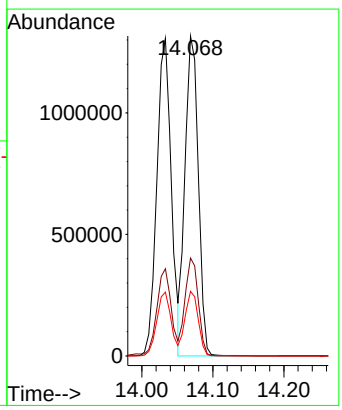


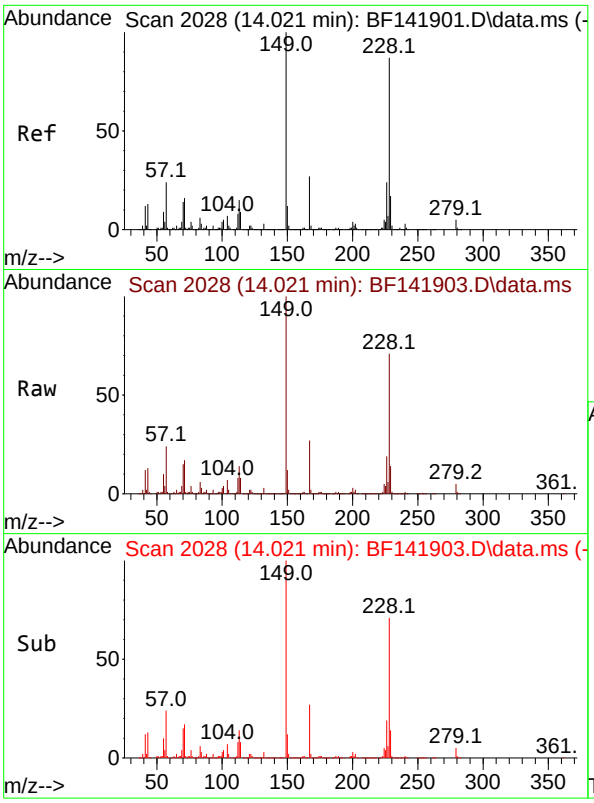




#83
Chrysene
Concen: 61.596 ng
RT: 14.068 min Scan# 2036
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:228 Resp: 1705257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.6 | 24.1 | 36.1 |
| 229 | 20.2 | 15.7 | 23.5 |



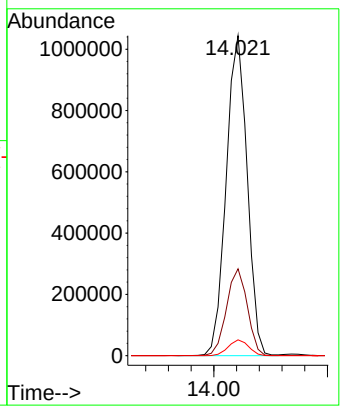


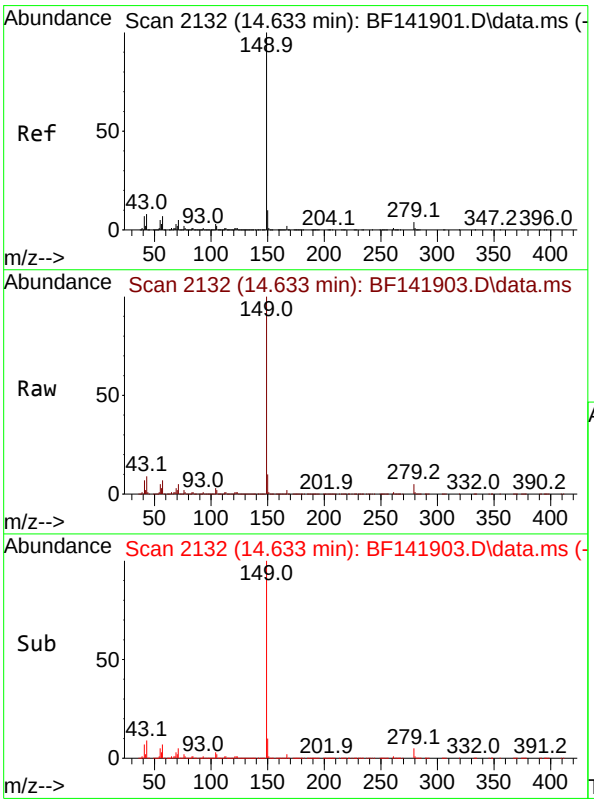

#84
Bis(2-ethylhexyl)phthalate
Concen: 61.582 ng
RT: 14.021 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:149 Resp: 1337474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.1 | 21.4 | 32.0 |
| 279 | 4.9 | 3.8 | 5.6 |

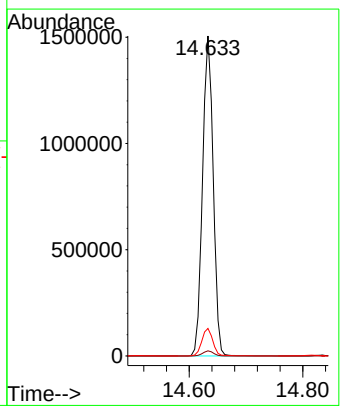


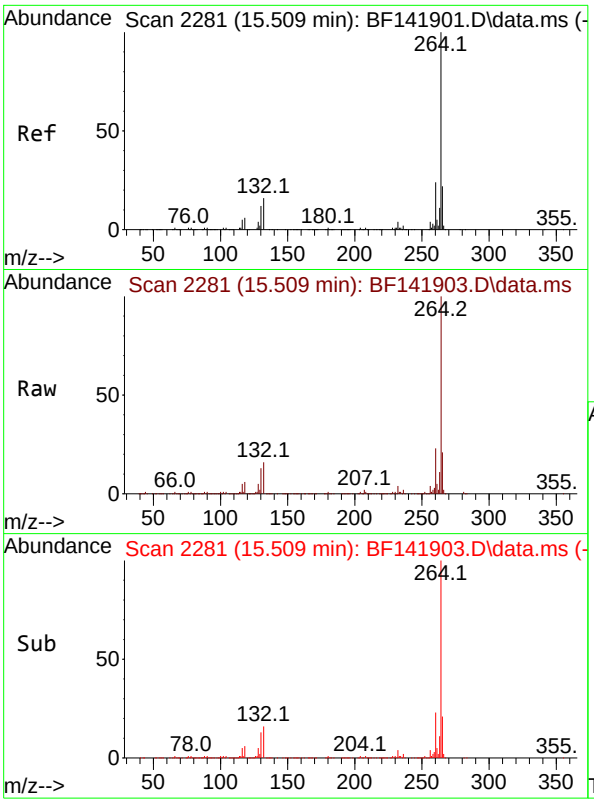




#85
Di-n-octyl phthalate
Concen: 64.613 ng
RT: 14.633 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:149 Resp: 1953184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 8.9 | 6.9 | 10.3 |



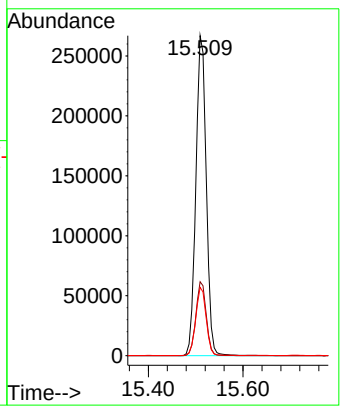


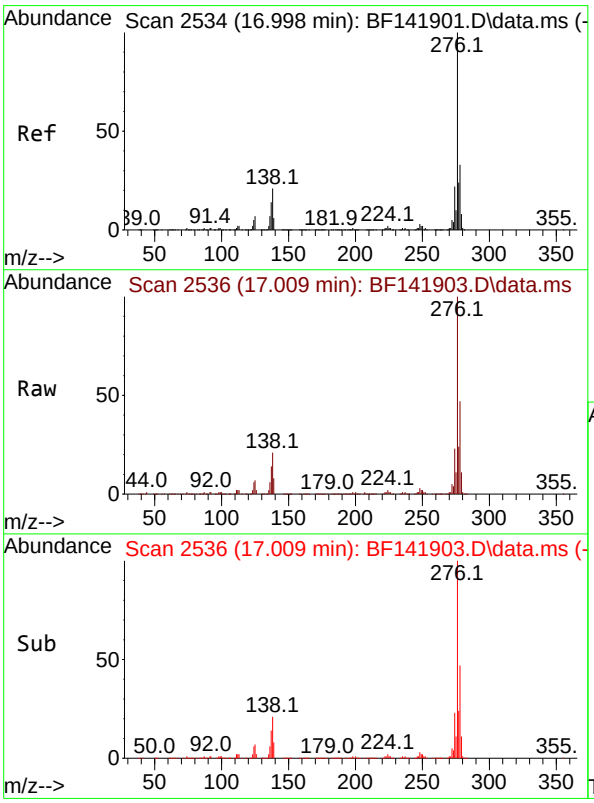

#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:264 Resp: 407346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 19.1 | 28.7 |
| 265 | 21.4 | 17.5 | 26.3 |

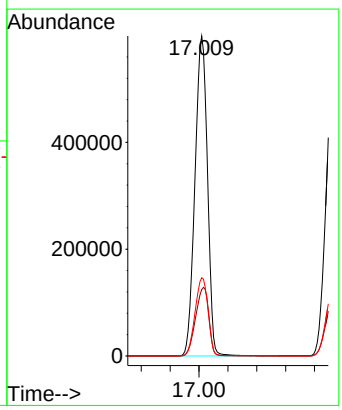


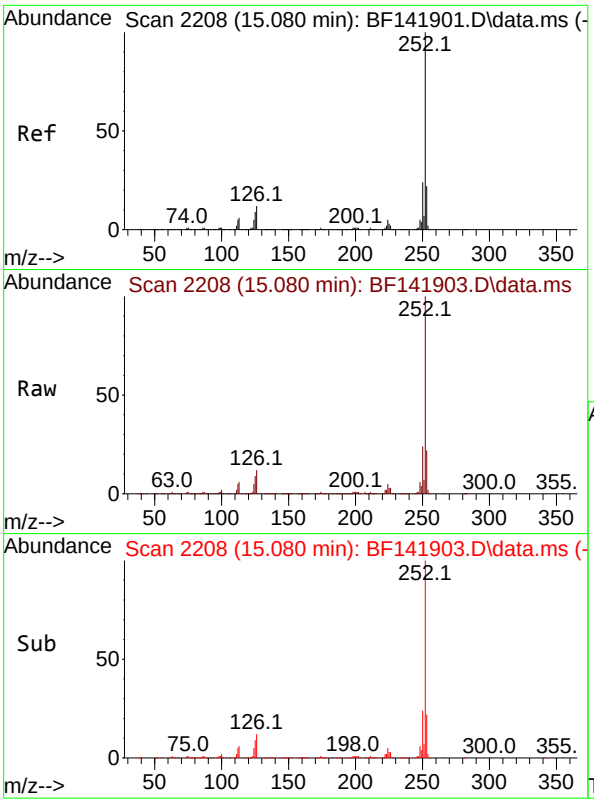




#87
Indeno(1,2,3-cd)pyrene
Concen: 68.115 ng
RT: 17.009 min Scan# 2536
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:276 Resp: 1799372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.7 | 18.4 | 27.6 |
| 277 | 25.2 | 20.3 | 30.5 |



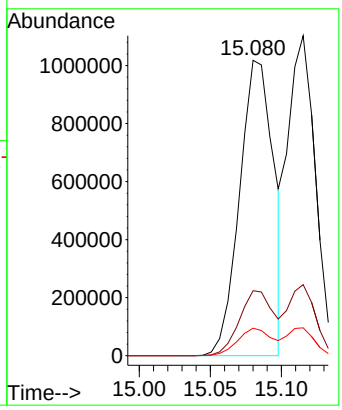


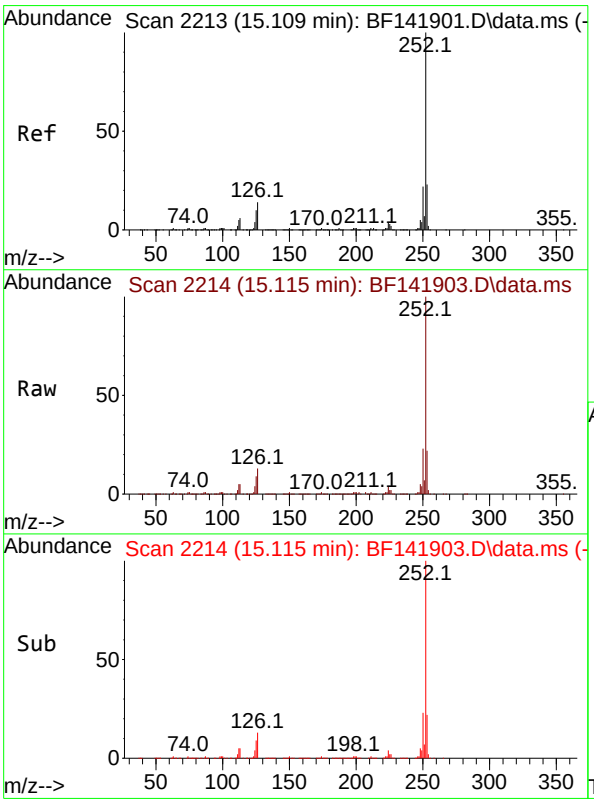

#88
Benzo(b)fluoranthene
Concen: 61.481 ng
RT: 15.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:252 Resp: 1698744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.5 | 26.3 |
| 125 | 9.3 | 7.0 | 10.4 |

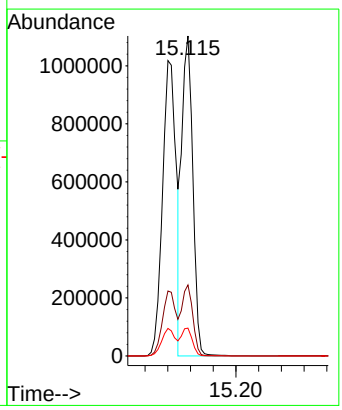


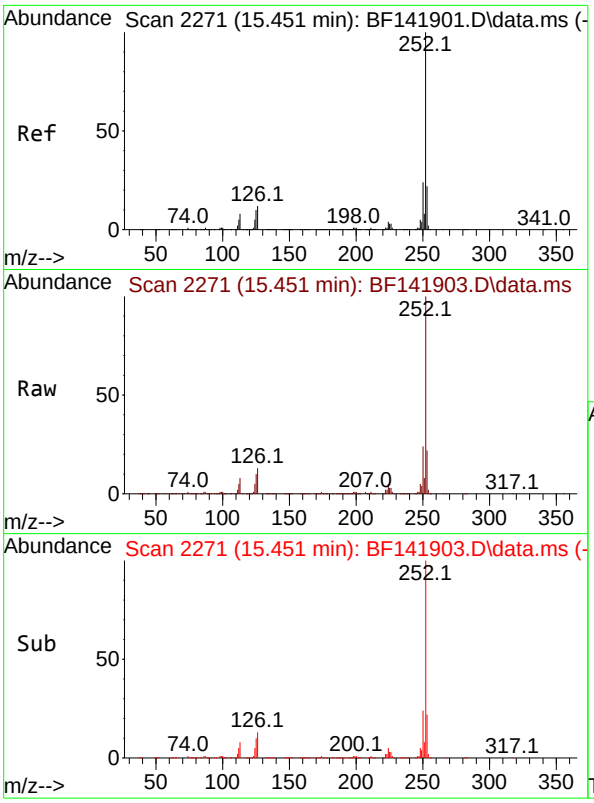




#89
Benzo(k)fluoranthene
Concen: 61.253 ng
RT: 15.115 min Scan# 2214
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:252 Resp: 1478389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.7 | 26.5 |
| 125 | 8.7 | 7.2 | 10.8 |



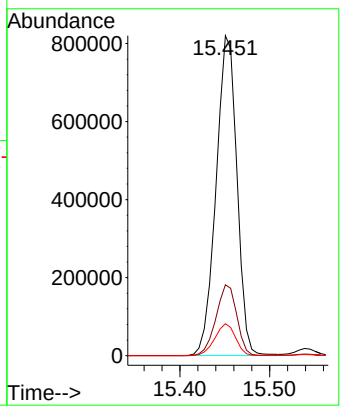


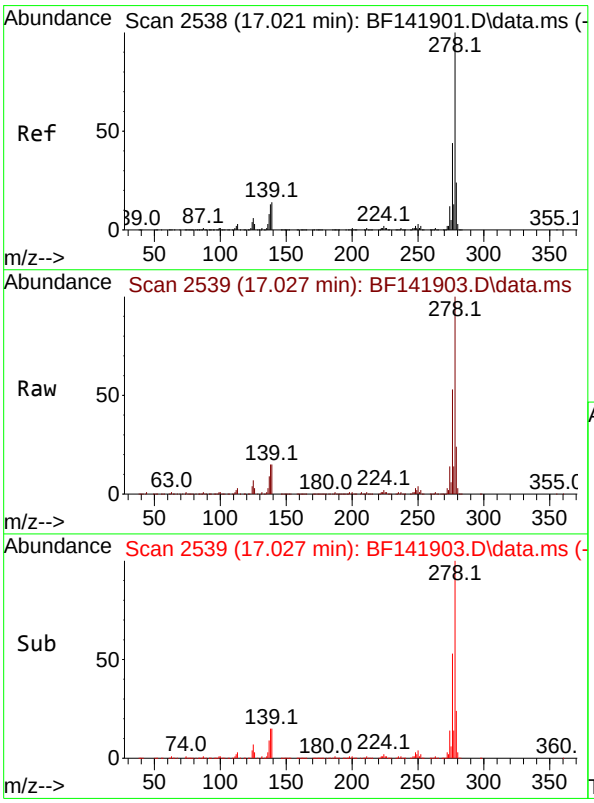

#90
Benzo(a)pyrene
Concen: 60.747 ng
RT: 15.451 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:252 Resp: 1323726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.4 | 26.0 |
| 125 | 10.0 | 7.8 | 11.8 |

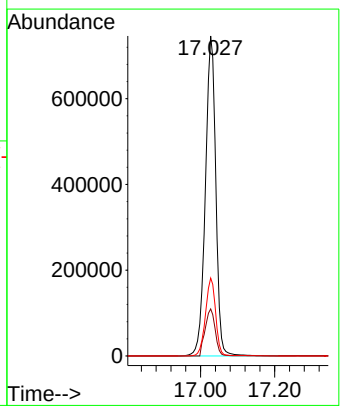


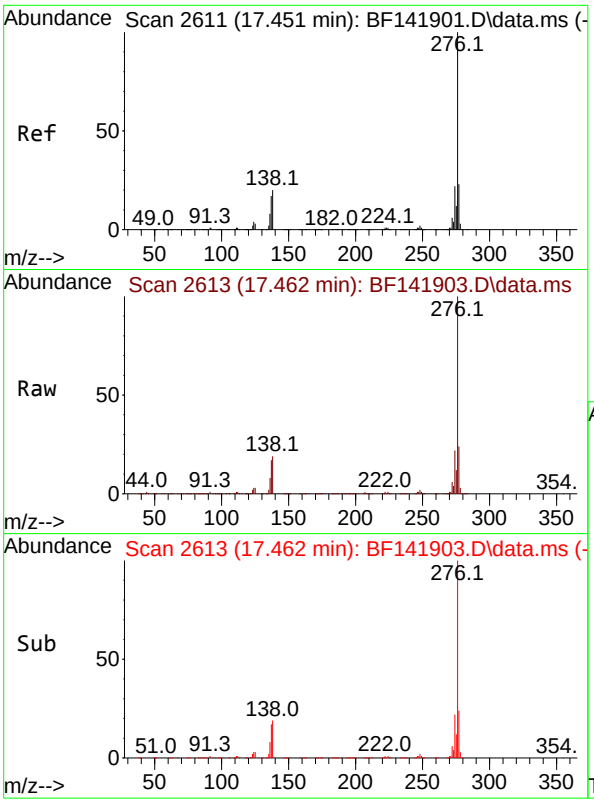




#91
Dibenzo(a,h)anthracene
Concen: 66.981 ng
RT: 17.027 min Scan# 2539
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:278 Resp: 1459934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.7 | 11.4 | 17.2 |
| 279 | 24.3 | 18.8 | 28.2 |



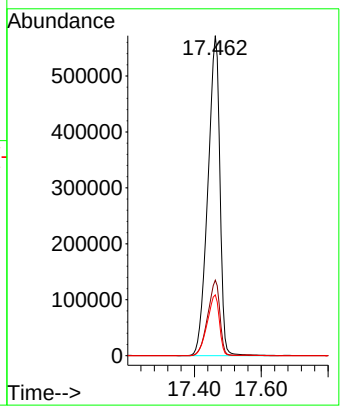



#92
Benzo(g,h,i)perylene
Concen: 65.942 ng
RT: 17.462 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

Tgt Ion:276 Resp: 1425582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.6 | 18.7 | 28.1 |
| 138 | 19.0 | 15.8 | 23.8 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141904.D
Acq On : 10 Mar 2025 14:27
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

Quant Time: Mar 10 15:37:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.887 | 152 | 214737 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.169 | 136 | 826030 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.922 | 164 | 452864 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.404 | 188 | 738472 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.045 | 240 | 424370 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.510 | 264 | 391768 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.498 | 112 | 1930406 | 149.991 | ng | | 0.00 |
| 7) Phenol-d6 | 6.522 | 99 | 2446183 | 149.235 | ng | | 0.02 |
| 23) Nitrobenzene-d5 | 7.457 | 82 | 2335417 | 158.463 | ng | | 0.01 |
| 42) 2,4,6-Tribromophenol | 10.716 | 330 | 986206 | 171.858 | ng | | 0.01 |
| 45) 2-Fluorobiphenyl | 9.245 | 172 | 4513418 | 151.763 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.992 | 244 | 4700026 | 163.713 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.669 | 88 | 436007 | 80.831 | ng | | 98 |
| 3) Pyridine | 3.440 | 79 | 1059473 | 79.923 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.416 | 42 | 521442 | 82.752 | ng | | 99 |
| 6) Aniline | 6.563 | 93 | 1160437 | 71.712 | ng | | 99 |
| 8) 2-Chlorophenol | 6.675 | 128 | 1078659 | 75.616 | ng | | 98 |
| 10) Phenol | 6.534 | 94 | 1285145 | 74.308 | ng | | 89 |
| 11) bis(2-Chloroethyl)ether | 6.628 | 93 | 968280 | 74.725 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.828 | 146 | 1173924 | 76.153 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 6.904 | 146 | 1181975 | 75.784 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.063 | 146 | 1093316 | 74.440 | ng | | 99 |
| 15) Benzyl Alcohol | 7.034 | 79 | 1013314 | 76.376 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163 | 45 | 1127534 | 72.198 | ng | | 98 |
| 17) 2-Methylphenol | 7.134 | 107 | 876665 | 77.326 | ng | | 98 |
| 18) Hexachloroethane | 7.398 | 117 | 448765 | 76.745 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 7.316 | 70 | 783318 | 74.351 | ng | | 100 |
| 20) 3+4-Methylphenols | 7.298 | 107 | 1050191 | 72.219 | ng | # | 84 |
| 22) Acetophenone | 7.304 | 105 | 1496035 | 75.498 | ng | # | 95 |
| 24) Nitrobenzene | 7.475 | 77 | 1162753 | 79.572 | ng | | 100 |
| 25) Isophorone | 7.722 | 82 | 2056405 | 79.032 | ng | | 100 |
| 26) 2-Nitrophenol | 7.787 | 139 | 599261 | 83.688 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.822 | 122 | 767514 | 77.821 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.916 | 93 | 1248549 | 76.598 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.028 | 162 | 971886 | 79.403 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.110 | 180 | 1062793 | 78.705 | ng | | 99 |
| 31) Naphthalene | 8.192 | 128 | 3152444 | 74.497 | ng | | 99 |
| 32) Benzoic acid | 7.975 | 122 | 795850 | 92.323 | ng | | 98 |
| 33) 4-Chloroaniline | 8.239 | 127 | 1088546 | 72.896 | ng | | 100 |
| 34) Hexachlorobutadiene | 8.304 | 225 | 713827 | 81.299 | ng | | 99 |
| 35) Caprolactam | 8.639 | 113 | 311758m | 83.763 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.716 | 107 | 1056917 | 77.644 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.881 | 142 | 2129990 | 75.023 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.981 | 142 | 2050191 | 74.568 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.045 | 216 | 1127671 | 81.667 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 9.028 | 237 | 463300 | 85.031 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.157 | 196 | 741710 | 82.399 | ng | | 100 |
| 44) 2,4,5-Trichlorophenol | 9.198 | 196 | 736926 | 80.579 | ng | | 100 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141904.D
Acq On : 10 Mar 2025 14:27
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

Quant Time: Mar 10 15:37:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 46) | 1,1'-Biphenyl | 9.345 | 154 | 2626697 | 76.503 | ng | | 99 |
| 47) | 2-Chloronaphthalene | 9.369 | 162 | 1992242 | 77.859 | ng | | 99 |
| 48) | 2-Nitroaniline | 9.463 | 65 | 597778 | 81.326 | ng | | 98 |
| 49) | Acenaphthylene | 9.786 | 152 | 2878496 | 75.877 | ng | | 99 |
| 50) | Dimethylphthalate | 9.657 | 163 | 2428843 | 77.192 | ng | | 100 |
| 51) | 2,6-Dinitrotoluene | 9.710 | 165 | 529139 | 80.867 | ng | | 99 |
| 52) | Acenaphthene | 9.957 | 154 | 2085941 | 77.872 | ng | | 99 |
| 53) | 3-Nitroaniline | 9.881 | 138 | 526980 | 78.435 | ng | | 100 |
| 54) | 2,4-Dinitrophenol | 9.981 | 184 | 305399 | 81.479 | ng | # | 55 |
| 55) | Dibenzofuran | 10.128 | 168 | 2844432 | 74.474 | ng | | 99 |
| 56) | 4-Nitrophenol | 10.033 | 139 | 416153 | 82.456 | ng | | 97 |
| 57) | 2,4-Dinitrotoluene | 10.116 | 165 | 681278 | 79.099 | ng | | 95 |
| 58) | Fluorene | 10.475 | 166 | 2210653 | 74.974 | ng | | 99 |
| 59) | 2,3,4,6-Tetrachlorophenol | 10.245 | 232 | 668027 | 80.507 | ng | | 99 |
| 60) | Diethylphthalate | 10.345 | 149 | 2358921 | 74.681 | ng | | 99 |
| 61) | 4-Chlorophenyl-phenyle... | 10.463 | 204 | 1209021 | 78.724 | ng | | 97 |
| 62) | 4-Nitroaniline | 10.504 | 138 | 502894 | 77.243 | ng | | 98 |
| 63) | Azobenzene | 10.622 | 77 | 2168742 | 73.911 | ng | | 99 |
| 65) | 4,6-Dinitro-2-methylph... | 10.522 | 198 | 404505 | 92.396 | ng | | 98 |
| 66) | n-Nitrosodiphenylamine | 10.586 | 169 | 1882098 | 78.895 | ng | | 99 |
| 67) | 4-Bromophenyl-phenylether | 10.957 | 248 | 774645 | 84.232 | ng | | 95 |
| 68) | Hexachlorobenzene | 11.016 | 284 | 862357 | 84.832 | ng | | 97 |
| 70) | Pentachlorophenol | 11.210 | 266 | 563030 | 89.813 | ng | | 100 |
| 71) | Phenanthrene | 11.433 | 178 | 3020950 | 75.649 | ng | | 99 |
| 72) | Anthracene | 11.486 | 178 | 3031014 | 75.653 | ng | | 99 |
| 73) | Carbazole | 11.639 | 167 | 2552563 | 74.002 | ng | | 98 |
| 74) | Di-n-butylphthalate | 11.969 | 149 | 3342776 | 73.399 | ng | | 99 |
| 75) | Fluoranthene | 12.622 | 202 | 3005566 | 71.694 | ng | | 99 |
| 77) | Benzidine | 12.733 | 184 | 427770 | 71.330 | ng | | 99 |
| 78) | Pyrene | 12.851 | 202 | 2930115 | 80.513 | ng | | 99 |
| 80) | Butylbenzylphthalate | 13.463 | 149 | 1149989 | 80.189 | ng | | 99 |
| 81) | Benzo(a)anthracene | 14.033 | 228 | 2196935 | 78.692 | ng | | 100 |
| 82) | 3,3'-Dichlorobenzidine | 13.998 | 252 | 652678 | 80.884 | ng | | 99 |
| 83) | Chrysene | 14.074 | 228 | 2018832 | 80.498 | ng | | 99 |
| 84) | Bis(2-ethylhexyl)phtha... | 14.021 | 149 | 1573231 | 79.962 | ng | | 98 |
| 85) | Di-n-octyl phthalate | 14.633 | 149 | 2310836 | 84.386 | ng | | 100 |
| 87) | Indeno(1,2,3-cd)pyrene | 17.009 | 276 | 2238588 | 88.111 | ng | | 99 |
| 88) | Benzo(b)fluoranthene | 15.086 | 252 | 2246428 | 84.536 | ng | | 99 |
| 89) | Benzo(k)fluoranthene | 15.116 | 252 | 1631675 | 70.292 | ng | | 99 |
| 90) | Benzo(a)pyrene | 15.457 | 252 | 1725632 | 82.339 | ng | | 100 |
| 91) | Dibenzo(a,h)anthracene | 17.033 | 278 | 1846778 | 88.098 | ng | | 99 |
| 92) | Benzo(g,h,i)perylene | 17.468 | 276 | 1828662 | 87.950 | ng | | 99 |

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

ICAL Form

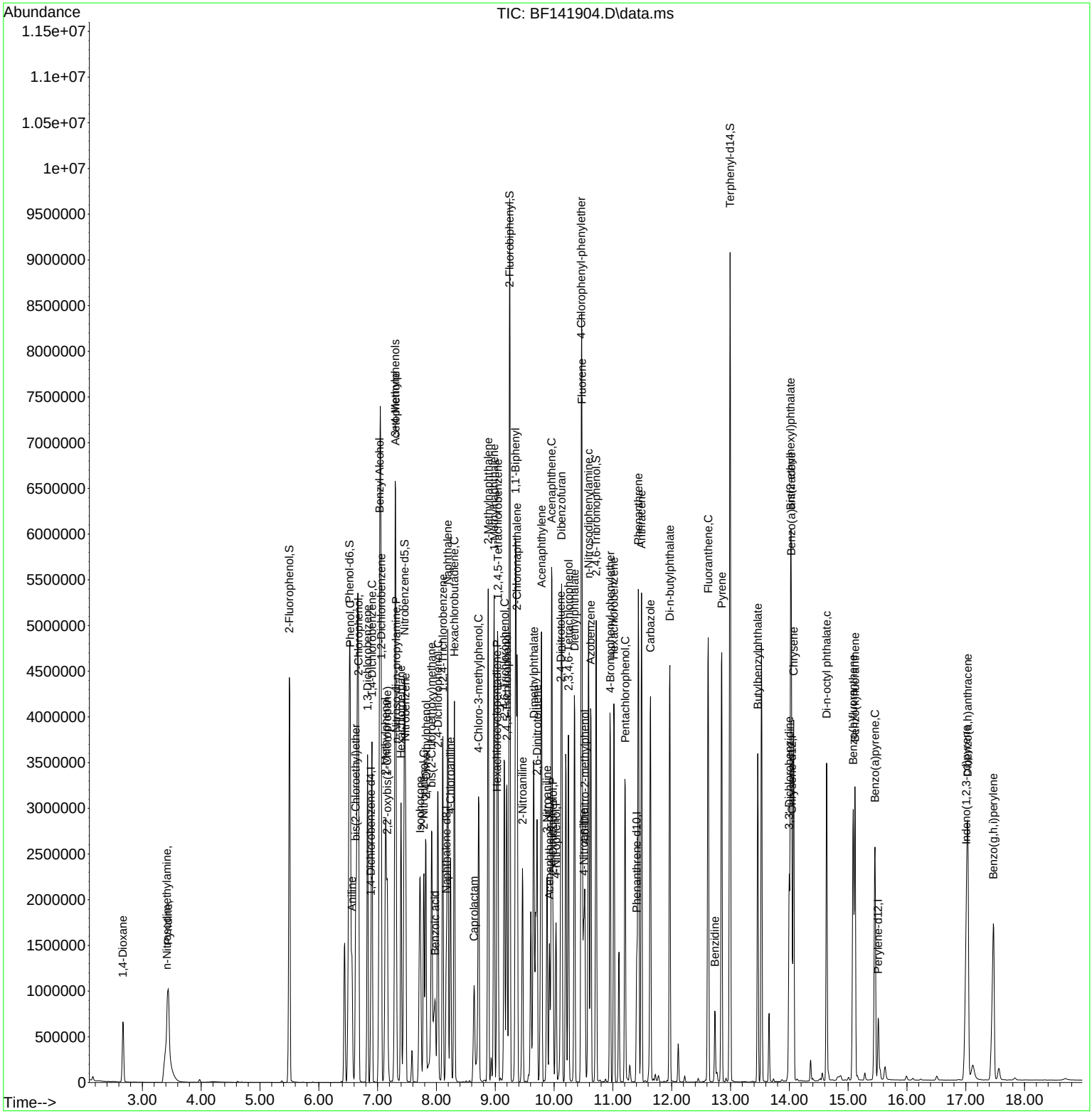
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141904.D
Acq On : 10 Mar 2025 14:27
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

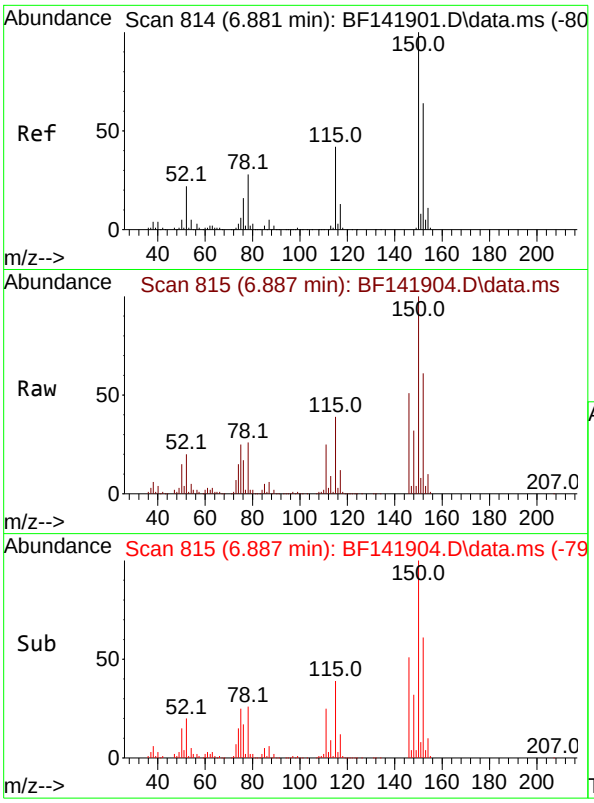
Quant Time: Mar 10 15:37:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

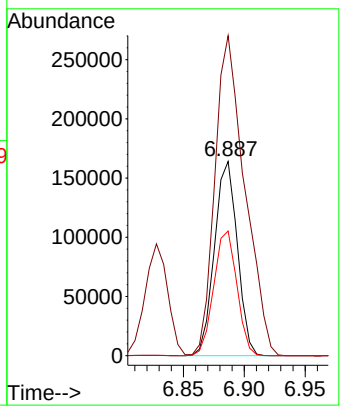





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:152 Resp: 21473

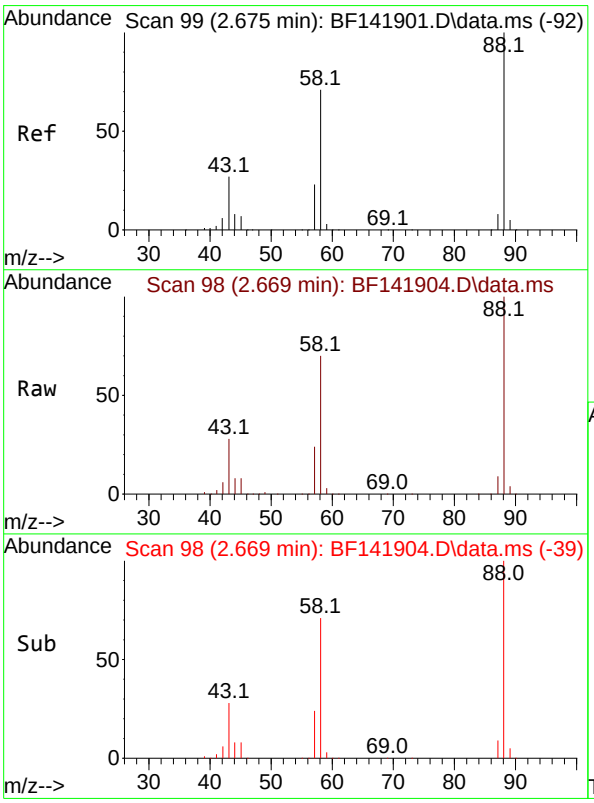
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 164.7 | 127.4 | 191.2 |
| 115 | 64.2 | 51.9 | 77.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

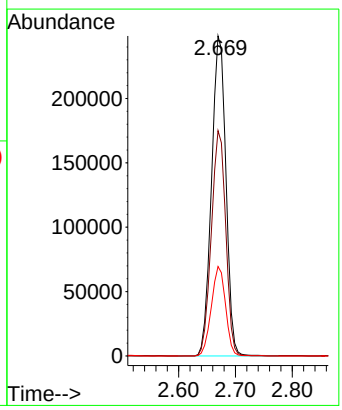
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

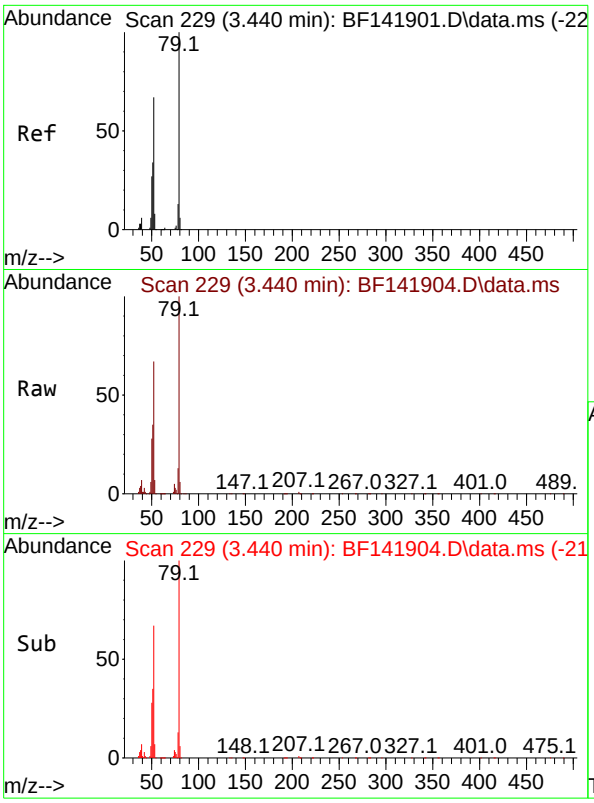



#2
1,4-Dioxane
Concen: 80.831 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 88 Resp: 436007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 70.3 | 57.4 | 86.2 |
| 43 | 27.6 | 21.5 | 32.3 |

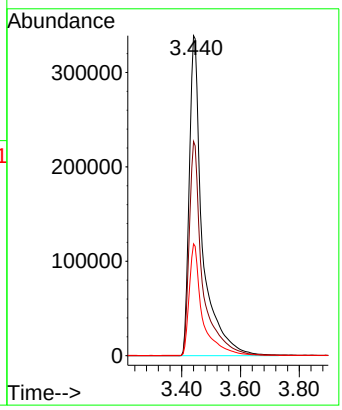





#3
Pyridine
Concen: 79.923 ng
RT: 3.440 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 79 Resp: 105947

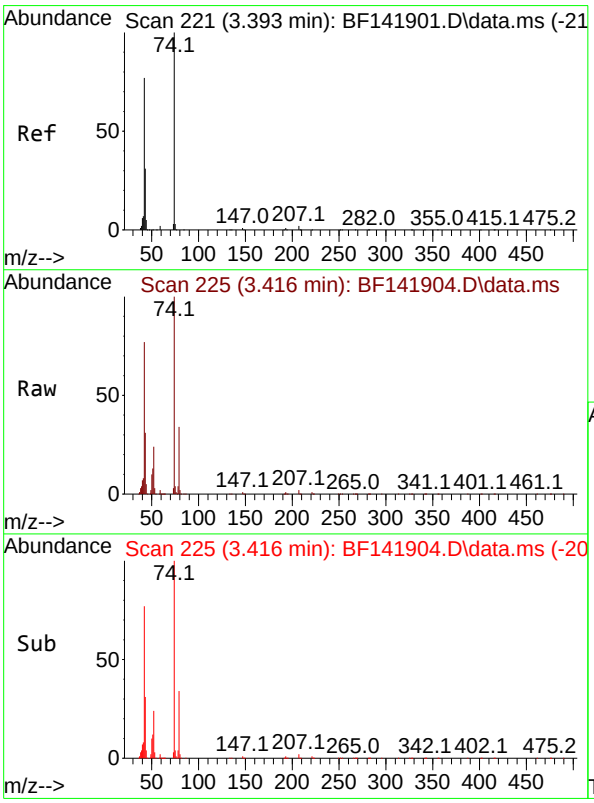
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 66.9 | 53.3 | 79.9 |
| 51 | 35.0 | 27.6 | 41.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

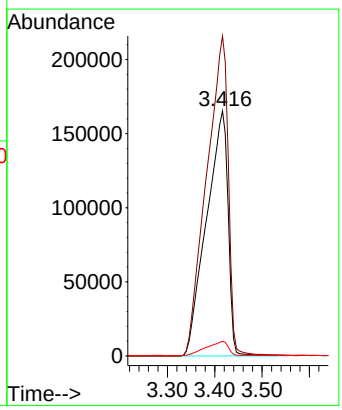
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

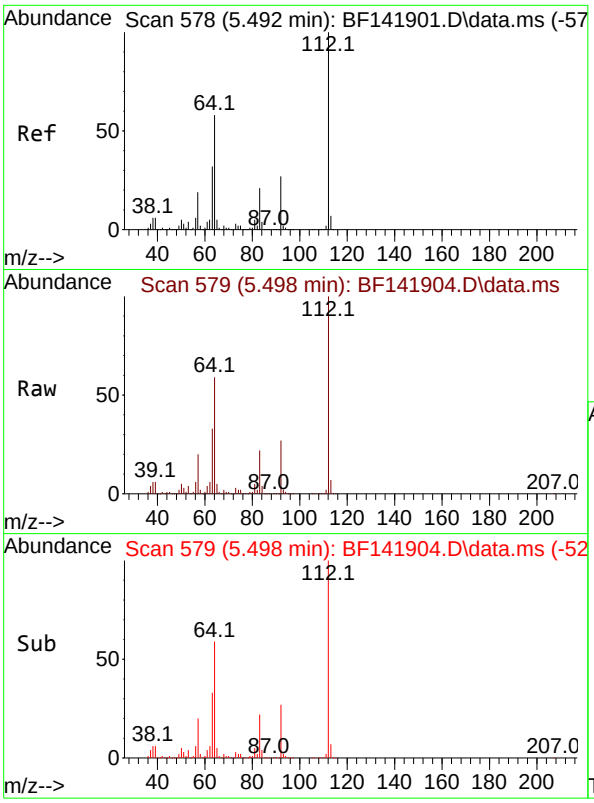



#4
n-Nitrosodimethylamine
Concen: 82.752 ng
RT: 3.416 min Scan# 225
Delta R.T. 0.024 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 42 Resp: 521442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 130.6 | 103.4 | 155.0 |
| 44 | 6.0 | 5.0 | 7.4 |

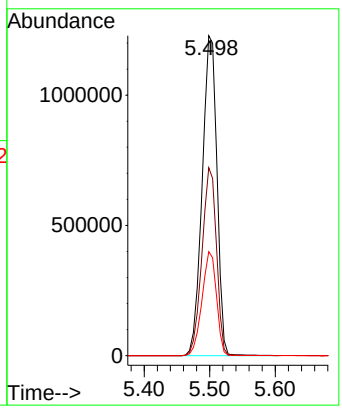





#5
2-Fluorophenol
Concen: 149.991 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:112 Resp: 193040

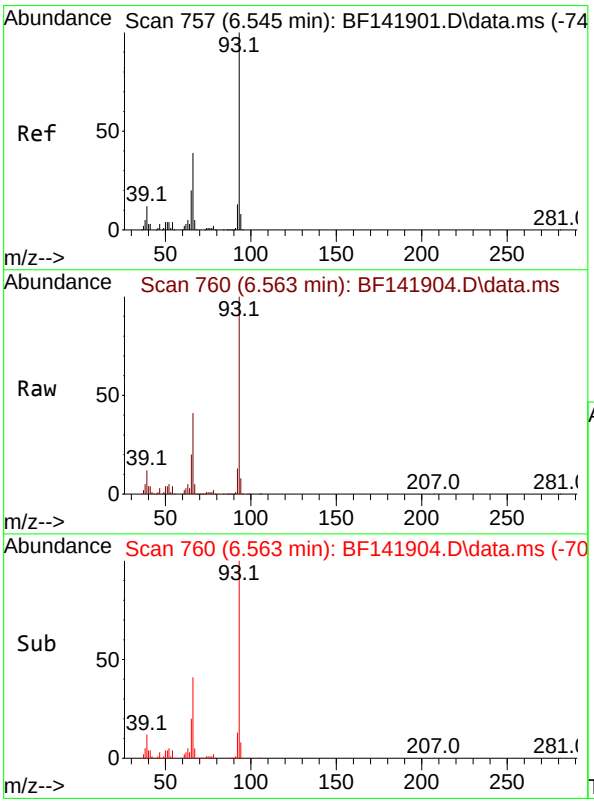
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.7 | 46.5 | 69.7 |
| 63 | 32.5 | 25.4 | 38.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

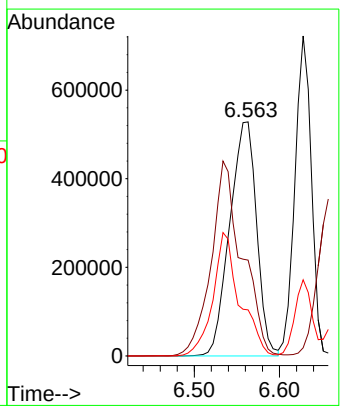
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

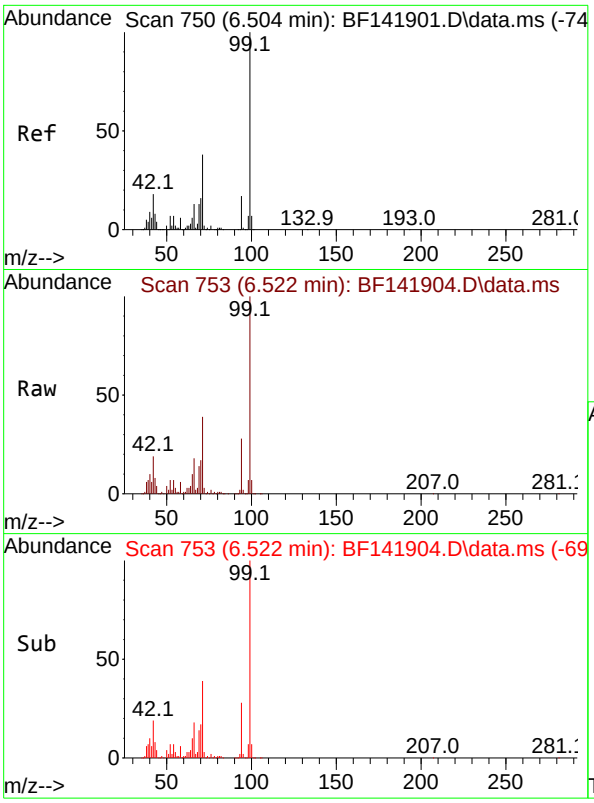



#6
Aniline
Concen: 71.712 ng
RT: 6.563 min Scan# 760
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 93 Resp: 1160437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 40.9 | 31.9 | 47.9 |
| 65 | 19.7 | 15.8 | 23.6 |

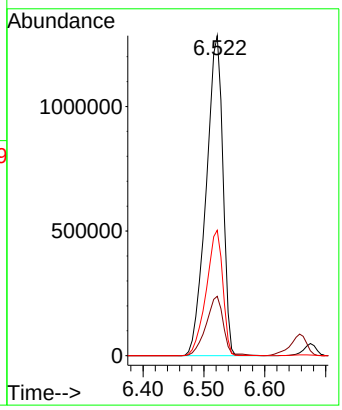





#7
Phenol-d6
Concen: 149.235 ng
RT: 6.522 min Scan# 7
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 99 Resp: 244618

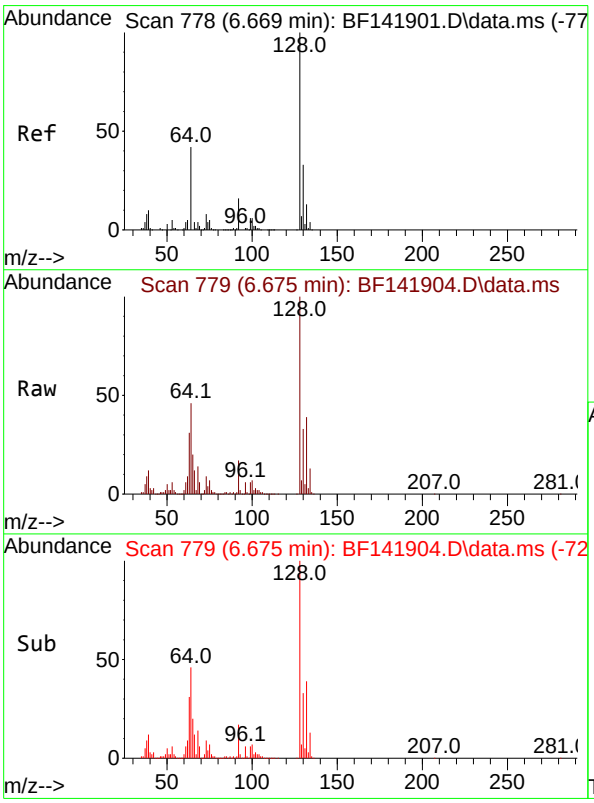
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.5 | 14.6 | 21.8 |
| 71 | 39.2 | 30.8 | 46.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

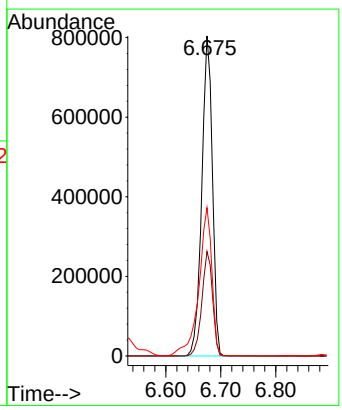
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

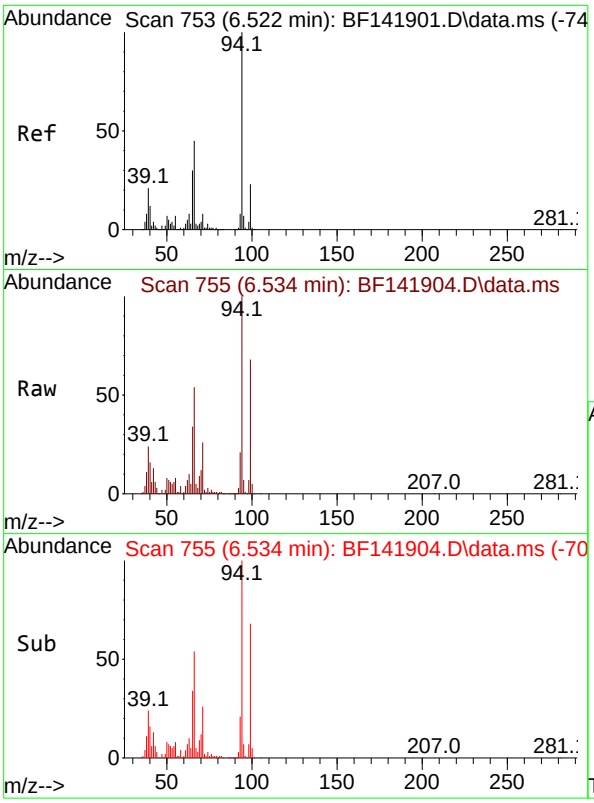



#8
2-Chlorophenol
Concen: 75.616 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:128 Resp: 1078659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.7 | 12.8 | 52.8 |
| 64 | 46.4 | 24.4 | 64.4 |

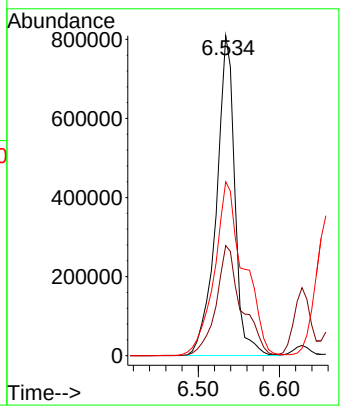





#10
Phenol
Concen: 74.308 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 94 Resp: 128514

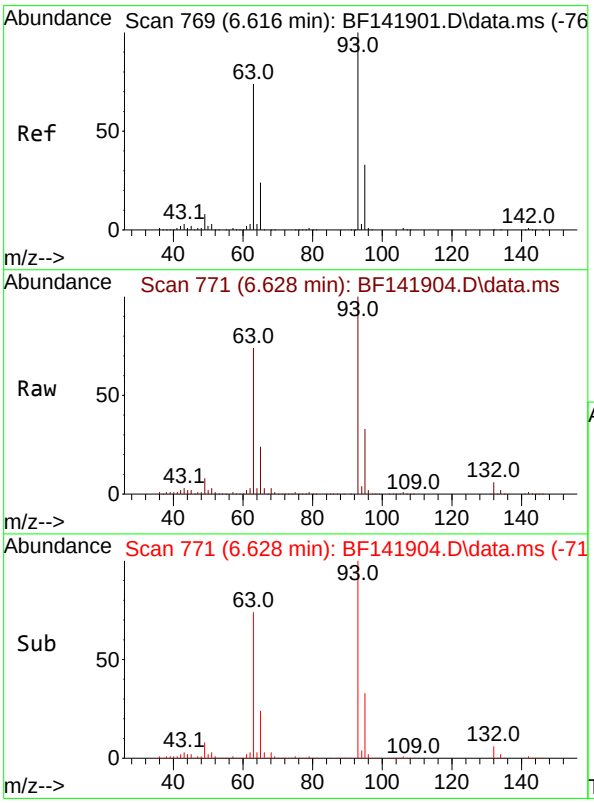
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 34.4 | 10.5 | 50.5 |
| 66 | 54.3 | 25.8 | 65.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

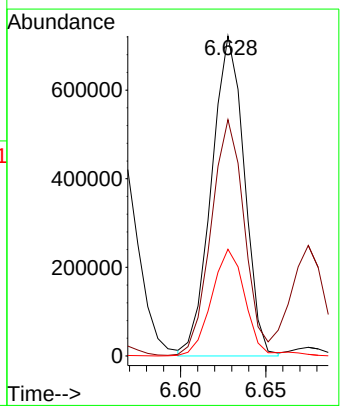
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

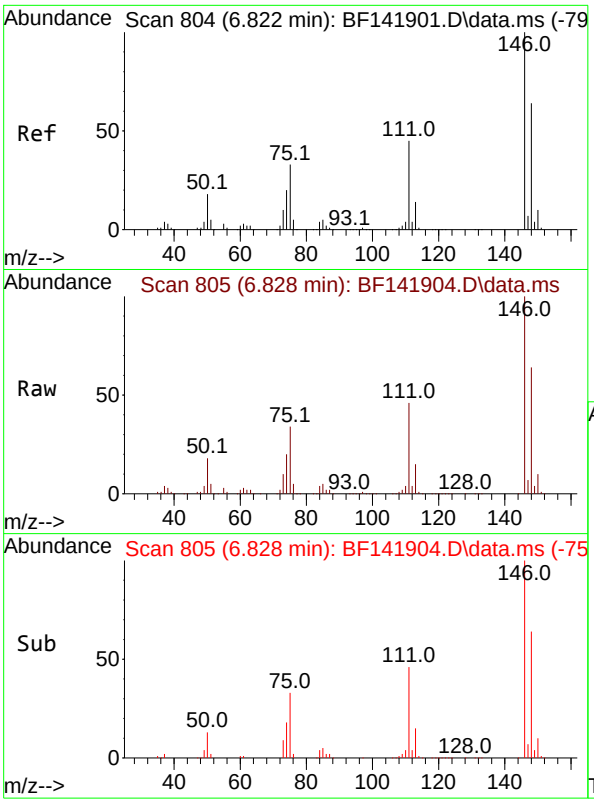



#11
bis(2-Chloroethyl)ether
Concen: 74.725 ng
RT: 6.628 min Scan# 771
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 93 Resp: 968280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 73.9 | 53.0 | 93.0 |
| 95 | 33.4 | 12.9 | 52.9 |

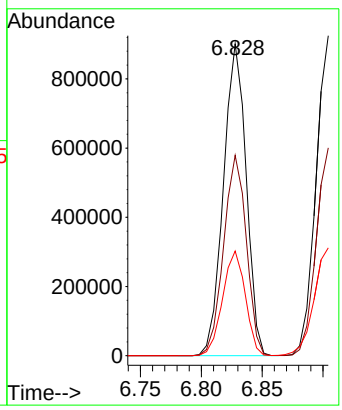





#12
1,3-Dichlorobenzene
Concen: 76.153 ng
RT: 6.828 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:146 Resp: 117392

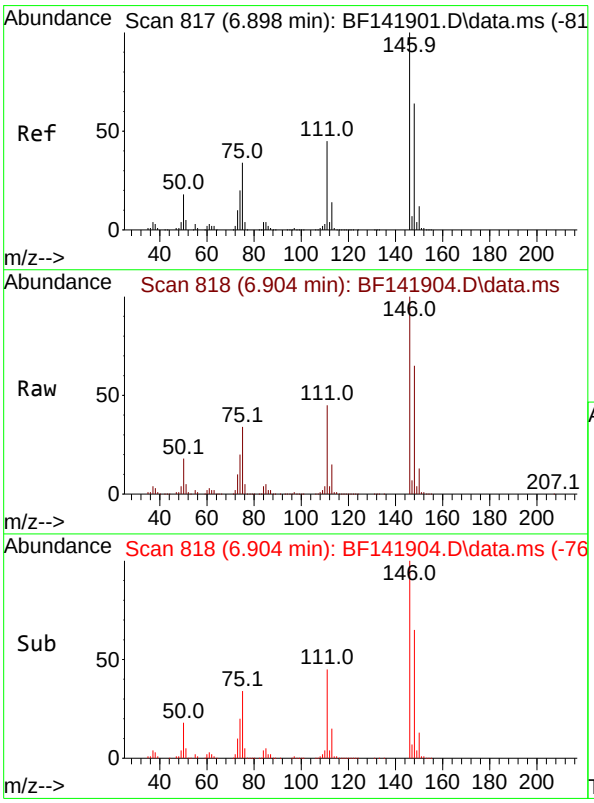
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.3 | 76.9 |
| 75 | 33.6 | 26.6 | 40.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

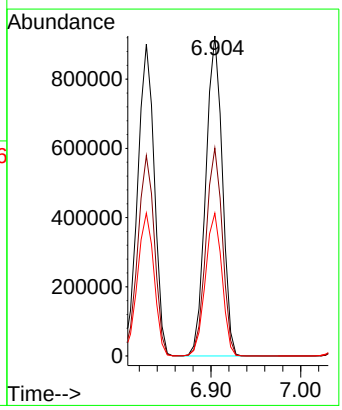
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

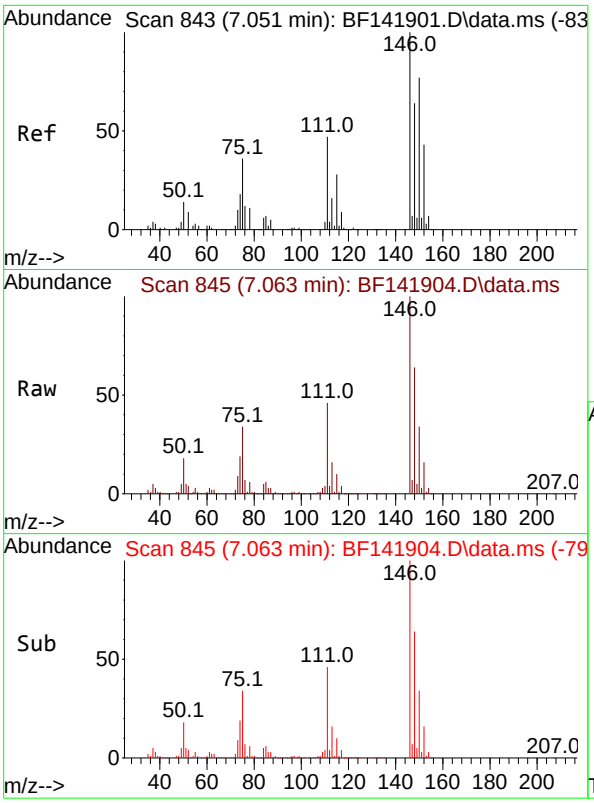



#13
1,4-Dichlorobenzene
Concen: 75.784 ng
RT: 6.904 min Scan# 818
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:146 Resp: 1181975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.9 | 51.0 | 76.6 |
| 111 | 44.6 | 35.7 | 53.5 |

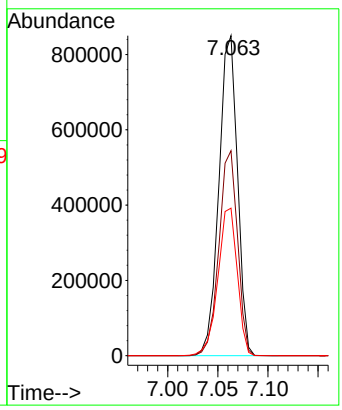





#14
1,2-Dichlorobenzene
Concen: 74.440 ng
RT: 7.063 min Scan# 84
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:146 Resp: 109331

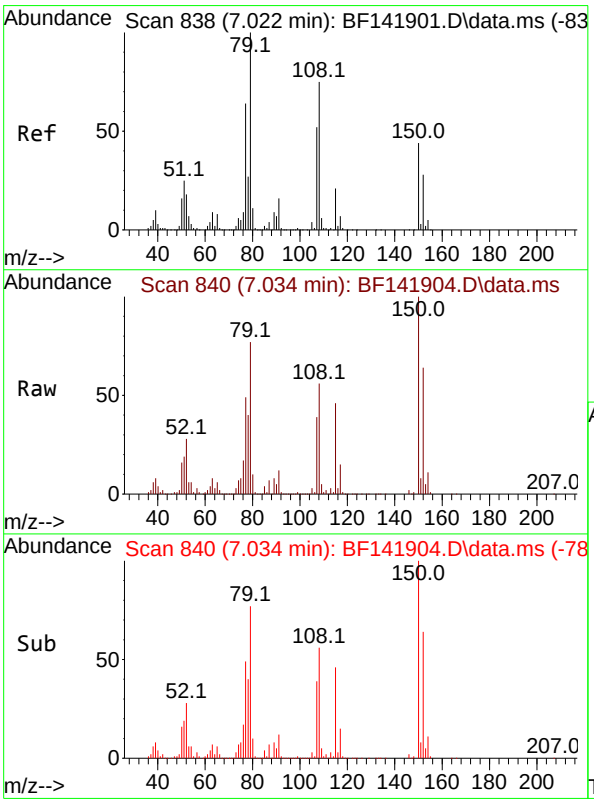
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.1 | 50.8 | 76.2 |
| 111 | 46.1 | 38.0 | 57.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

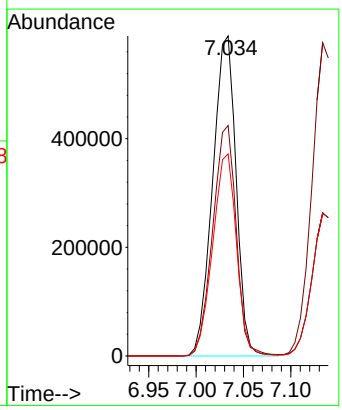
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

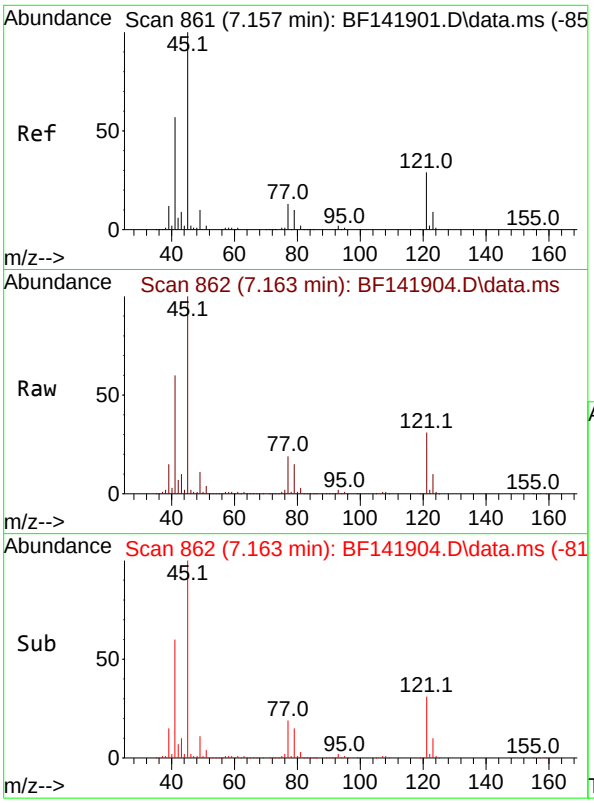



#15
Benzyl Alcohol
Concen: 76.376 ng
RT: 7.034 min Scan# 840
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 79 Resp: 1013314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 72.0 | 59.7 | 89.5 |
| 77 | 63.1 | 51.0 | 76.6 |






#16
2,2'-oxybis(1-Chloropropane)
Concen: 72.198 ng
RT: 7.163 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

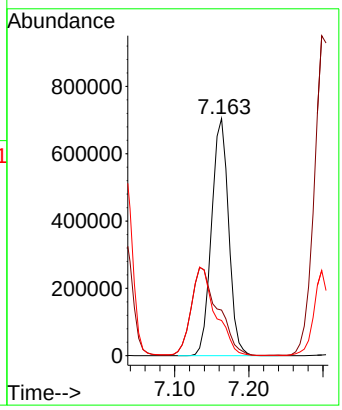
Tgt Ion: 45 Resp: 112753

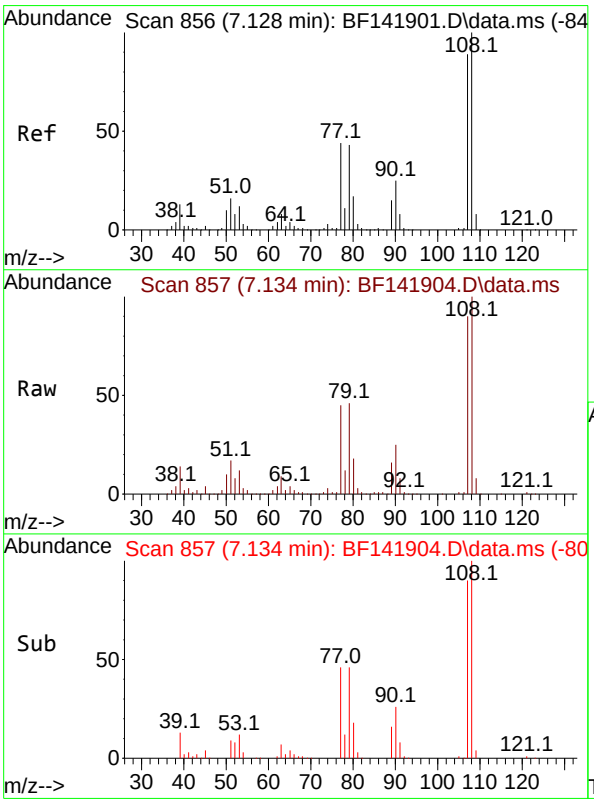
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 19.3 | 0.0 | 37.8 |
| 79 | 14.8 | 0.0 | 34.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

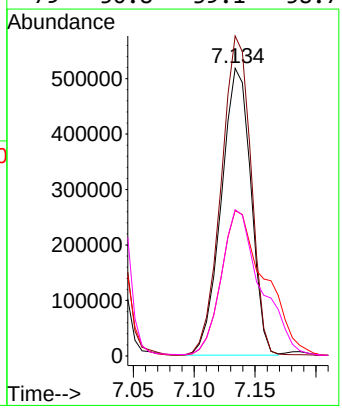


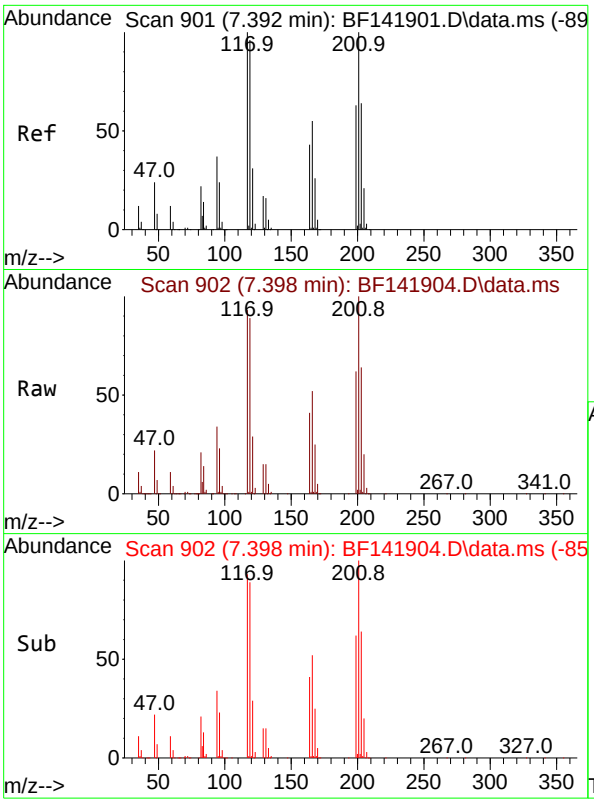




#17
2-Methylphenol
Concen: 77.326 ng
RT: 7.134 min Scan# 857
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:107 Resp: 876665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.3 | 90.2 | 135.2 |
| 77 | 50.5 | 39.6 | 59.4 |
| 79 | 50.8 | 39.1 | 58.7 |

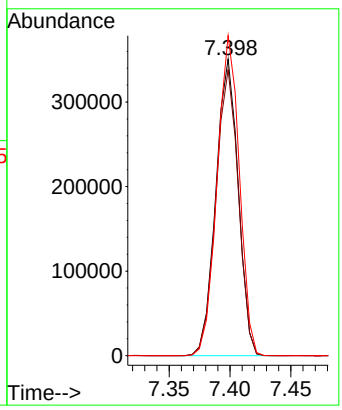





#18
Hexachloroethane
Concen: 76.745 ng
RT: 7.398 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:117 Resp: 44876

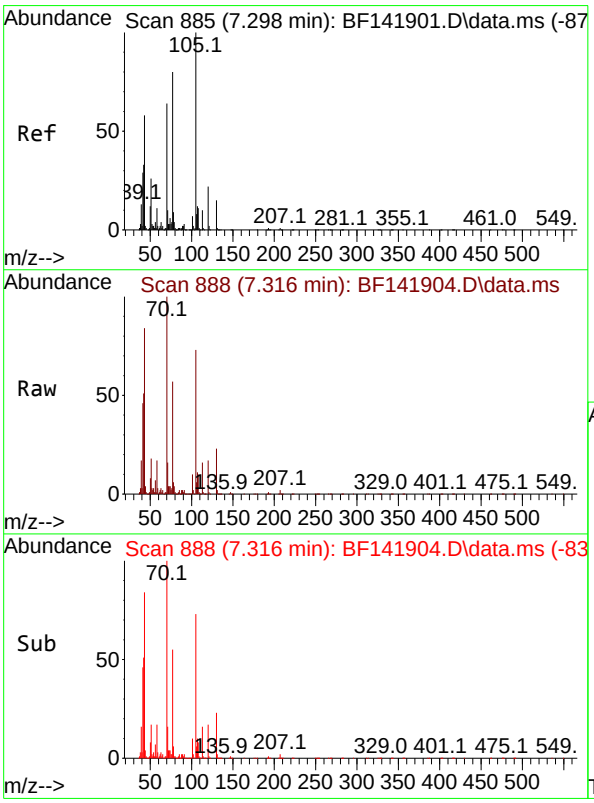
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.4 | 76.9 | 115.3 |
| 201 | 107.9 | 79.9 | 119.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

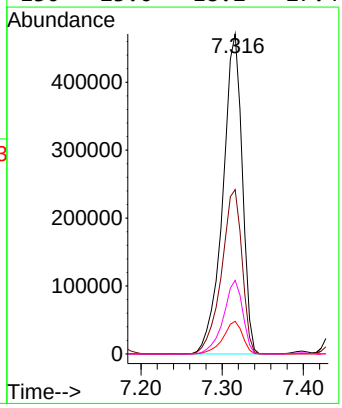
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

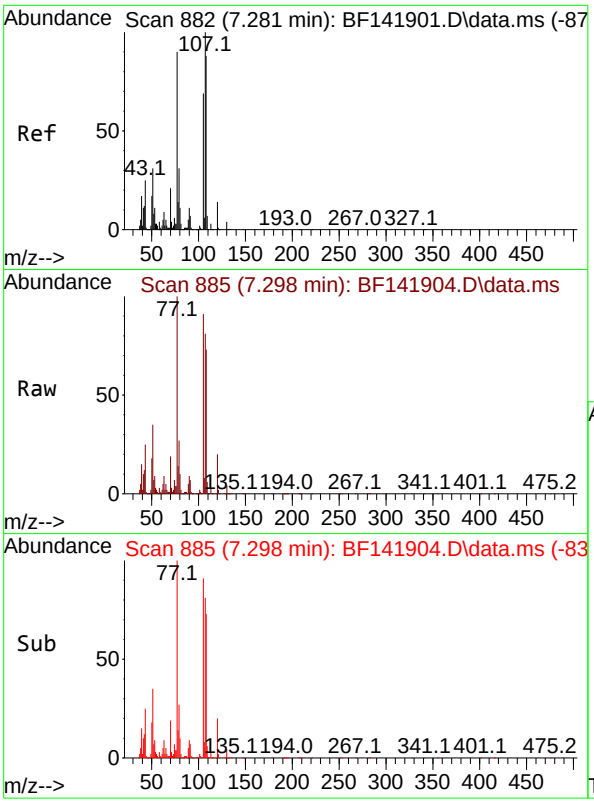



#19
n-Nitroso-di-n-propylamine
Concen: 74.351 ng
RT: 7.316 min Scan# 888
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 70 Resp: 783318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 51.4 | 41.4 | 62.0 |
| 101 | 10.2 | 8.2 | 12.2 |
| 130 | 23.0 | 18.2 | 27.4 |

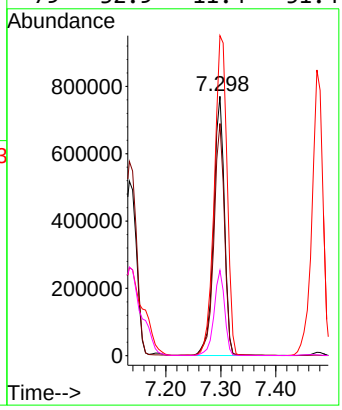





#20
3+4-Methylphenols
Concen: 72.219 ng
RT: 7.298 min Scan# 8
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:107 Resp: 105019

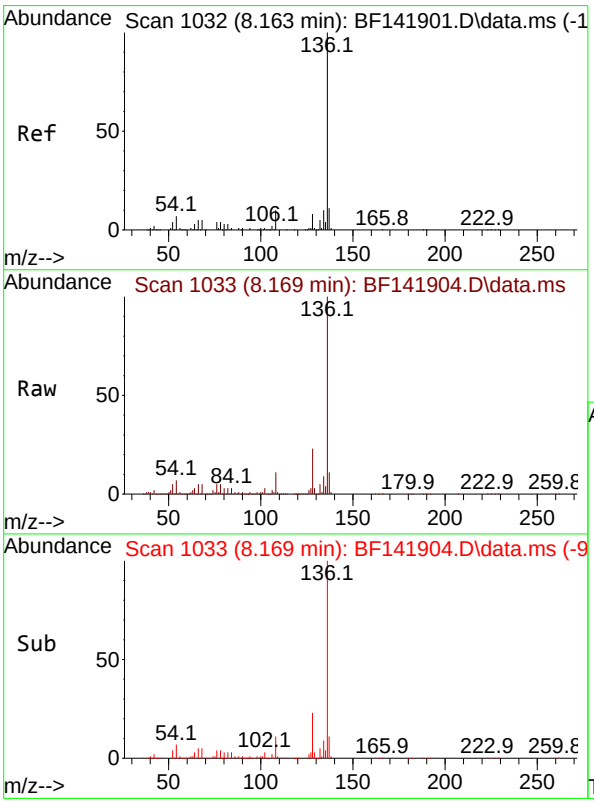
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 89.5 | 68.4 | 108.4 |
| 77 | 123.4 | 69.7 | 109.7 |
| 79 | 32.9 | 11.4 | 51.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

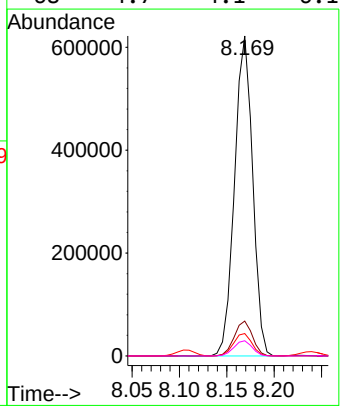
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

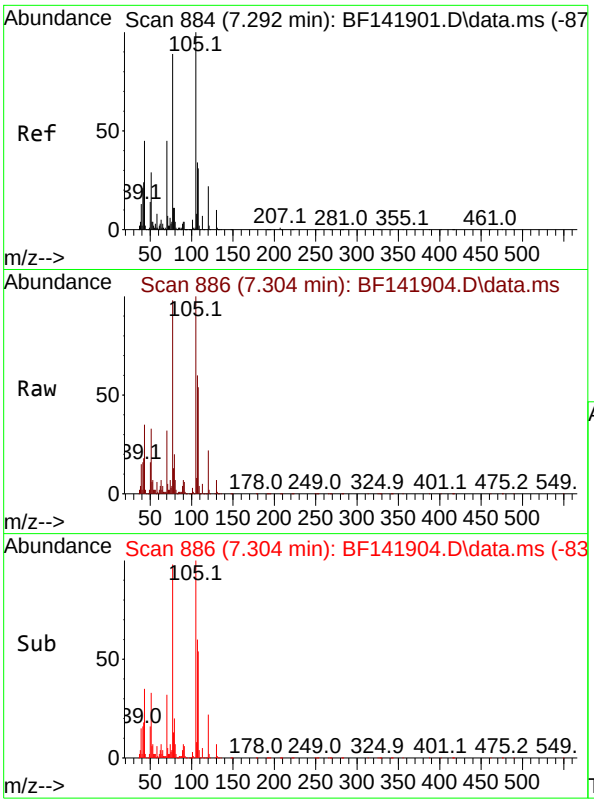



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:136 Resp: 826030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.8 | 13.2 |
| 54 | 7.0 | 5.8 | 8.8 |
| 68 | 4.7 | 4.1 | 6.1 |

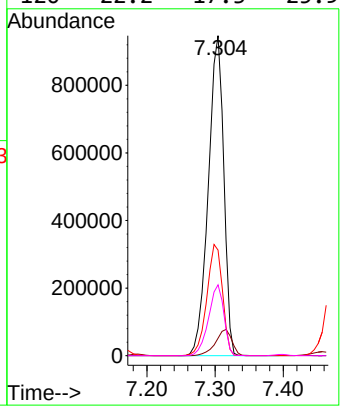





#22
Acetophenone
Concen: 75.498 ng
RT: 7.304 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:105 Resp: 149603

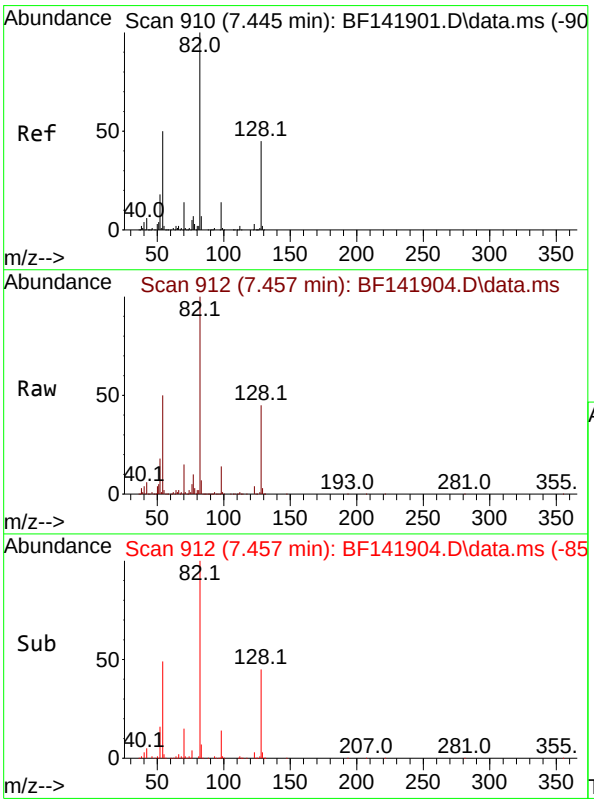
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 5.4 | 5.8 | 8.8# |
| 51 | 33.0 | 23.4 | 35.0 |
| 120 | 22.2 | 17.3 | 25.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

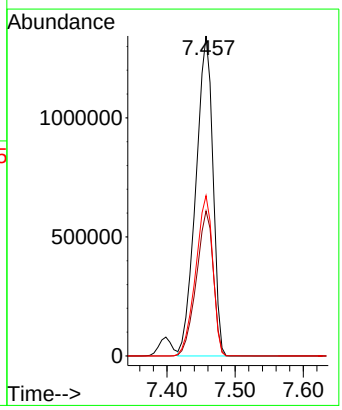
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

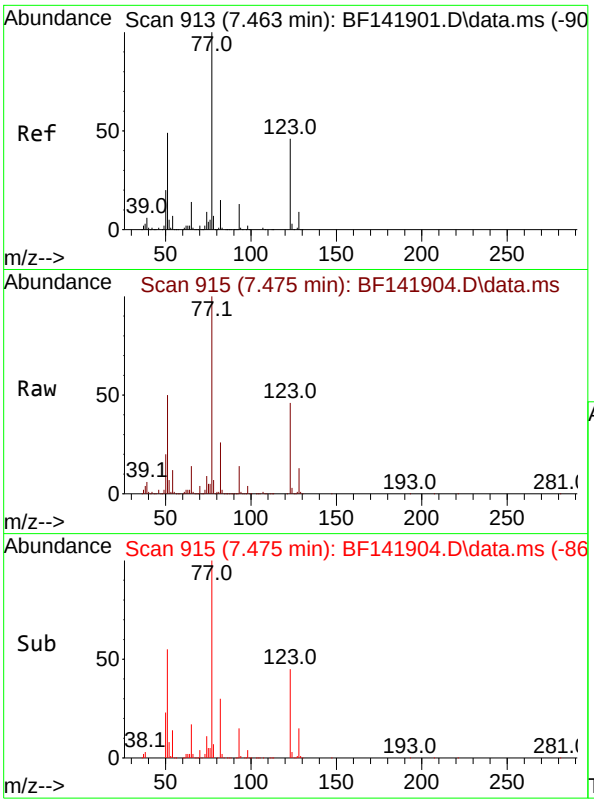



#23
Nitrobenzene-d5
Concen: 158.463 ng
RT: 7.457 min Scan# 912
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 82 Resp: 2335417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.3 | 36.0 | 54.0 |
| 54 | 50.1 | 39.6 | 59.4 |

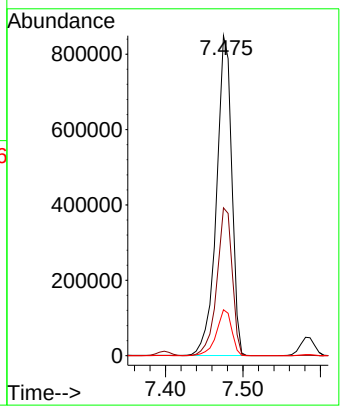





#24
Nitrobenzene
Concen: 79.572 ng
RT: 7.475 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 77 Resp: 116275

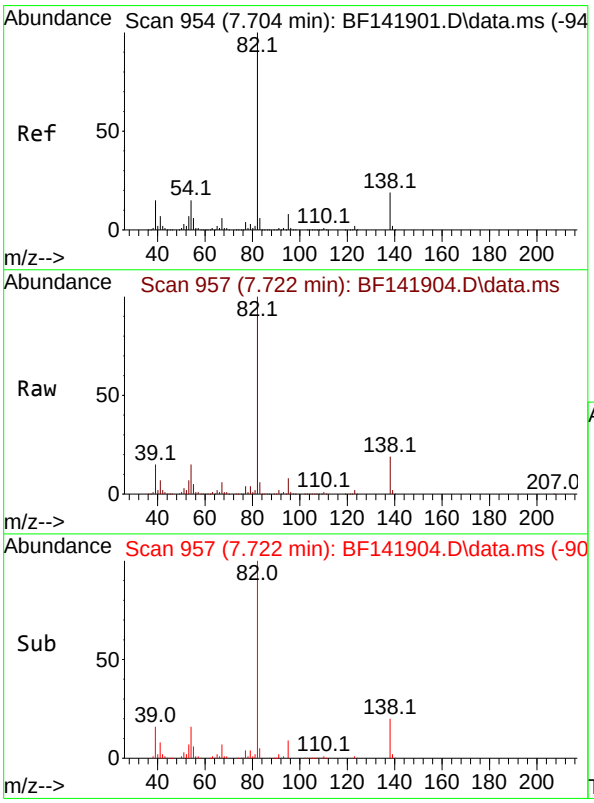
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.2 | 37.0 | 55.4 |
| 65 | 14.4 | 11.3 | 16.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**

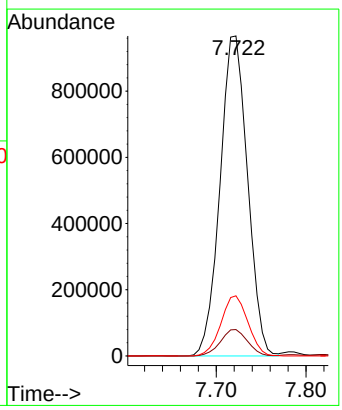
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

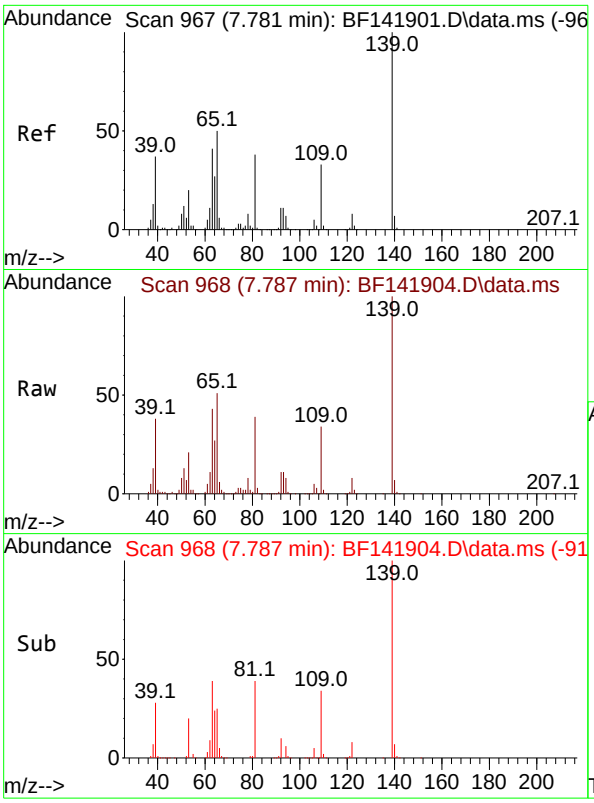



#25
Isophorone
Concen: 79.032 ng
RT: 7.722 min Scan# 957
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 82 Resp: 2056405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.2 | 6.4 | 9.6 |
| 138 | 18.8 | 14.9 | 22.3 |

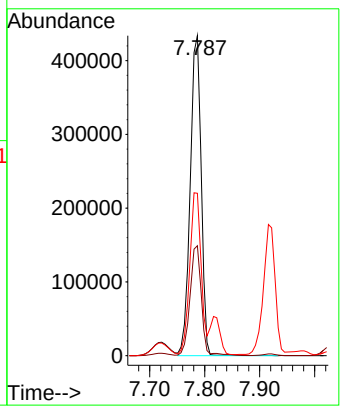





#26
2-Nitrophenol
Concen: 83.688 ng
RT: 7.787 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:139 Resp: 59926

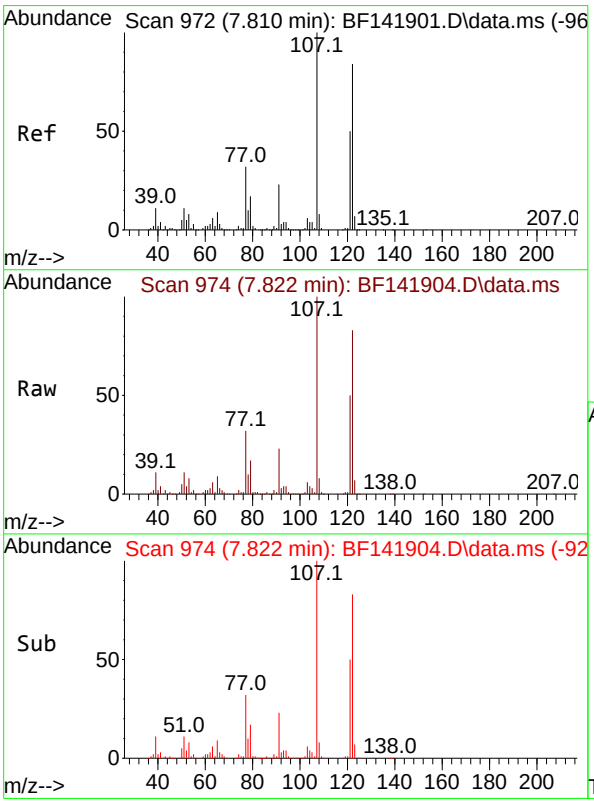
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 34.4 | 26.5 | 39.7 |
| 65 | 50.8 | 40.3 | 60.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

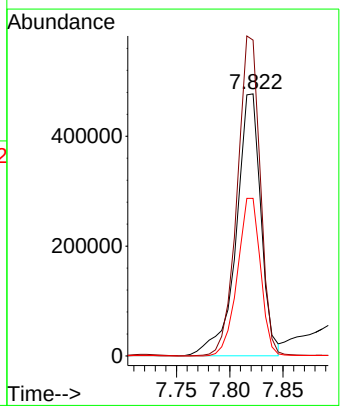
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

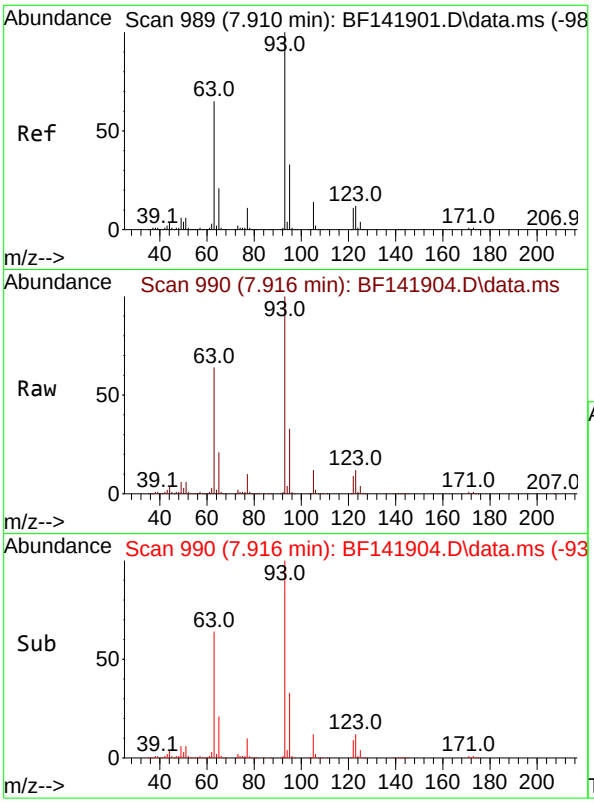



#27
2,4-Dimethylphenol
Concen: 77.821 ng
RT: 7.822 min Scan# 974
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:122 Resp: 767514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 120.5 | 94.8 | 142.2 |
| 121 | 60.1 | 47.8 | 71.6 |

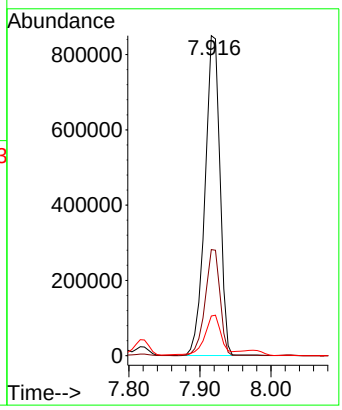





#28
bis(2-Chloroethoxy)methane
Concen: 76.598 ng
RT: 7.916 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 93 Resp: 124854

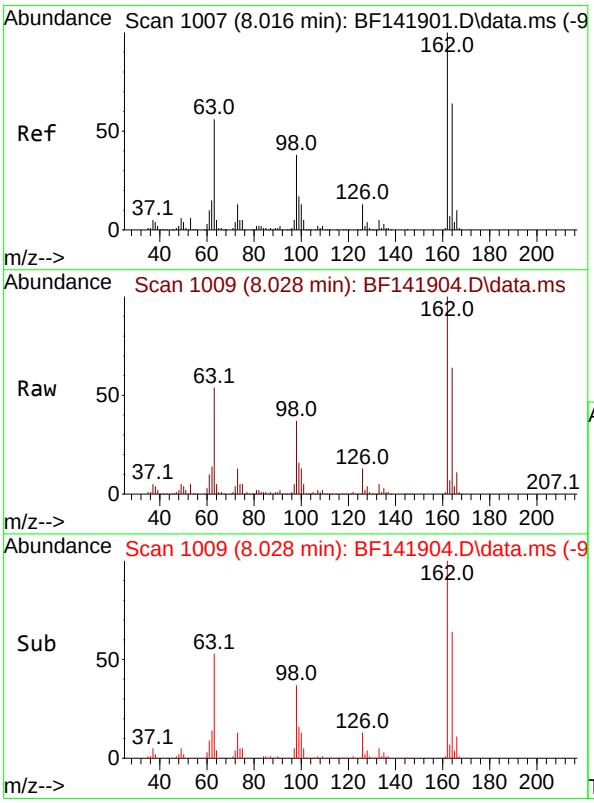
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.2 | 26.6 | 40.0 |
| 123 | 12.4 | 10.2 | 15.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

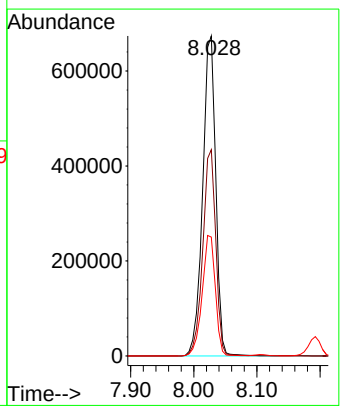
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

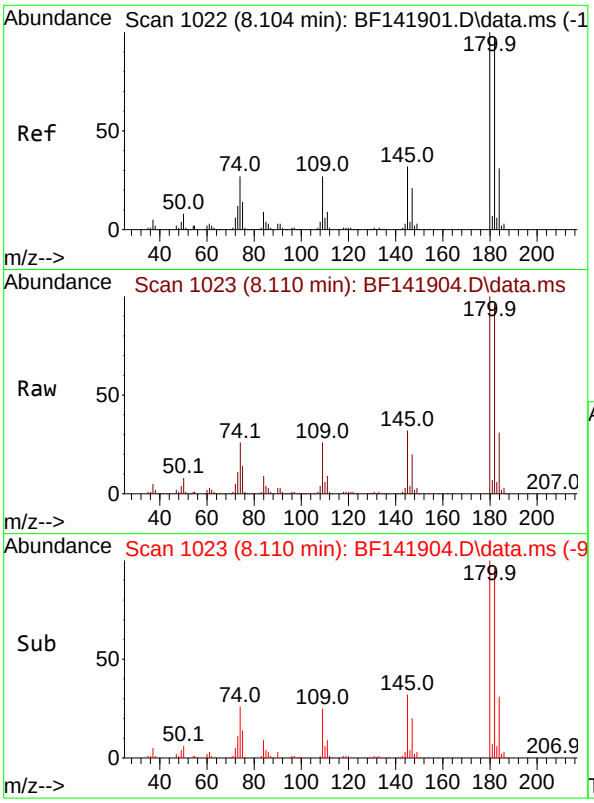



#29
2,4-Dichlorophenol
Concen: 79.403 ng
RT: 8.028 min Scan# 1009
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:162 Resp: 971886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.4 | 43.8 | 83.8 |
| 98 | 37.1 | 18.1 | 58.1 |

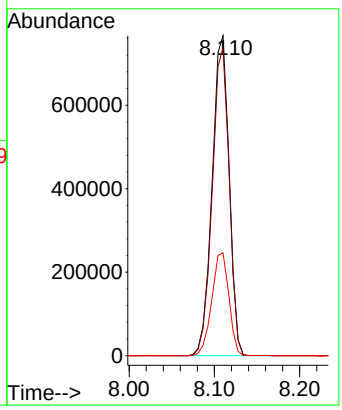





#30
1,2,4-Trichlorobenzene
Concen: 78.705 ng
RT: 8.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:180 Resp: 106279

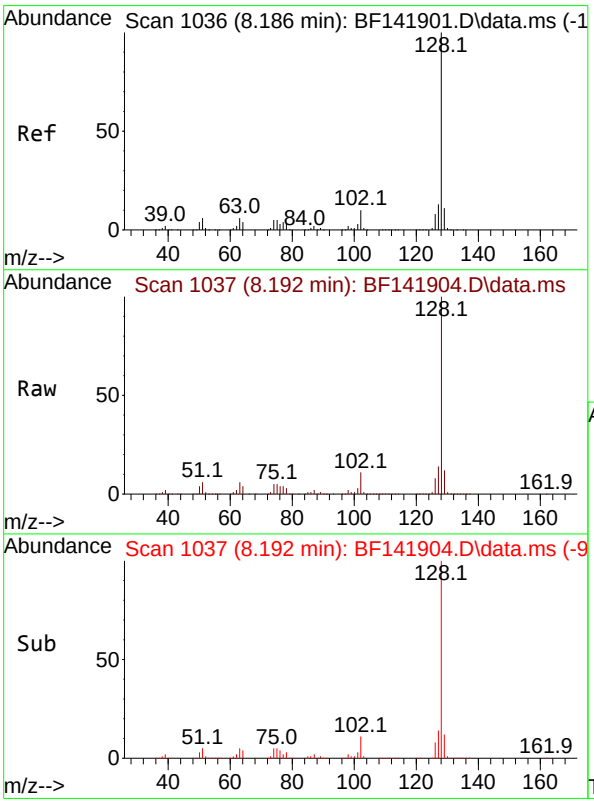
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 77.5 | 116.3 |
| 145 | 32.2 | 25.8 | 38.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

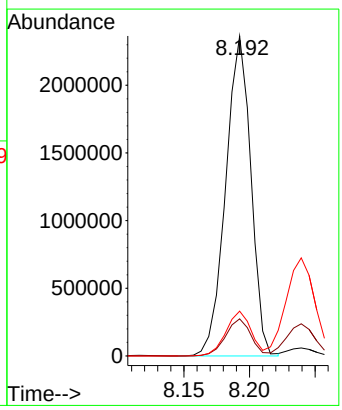
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

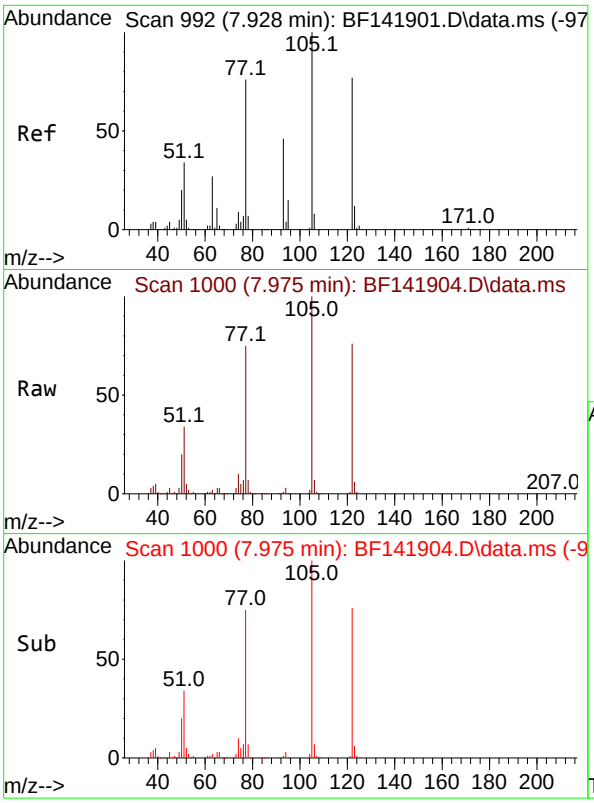



#31
Naphthalene
Concen: 74.497 ng
RT: 8.192 min Scan# 1037
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:128 Resp: 3152444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.6 | 9.0 | 13.6 |
| 127 | 14.0 | 10.8 | 16.2 |

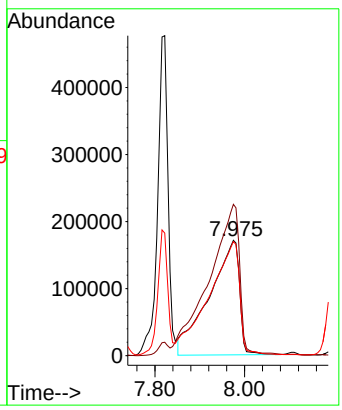





#32
Benzoic acid
Concen: 92.323 ng
RT: 7.975 min Scan# 1
Delta R.T. 0.047 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:122 Resp: 79585

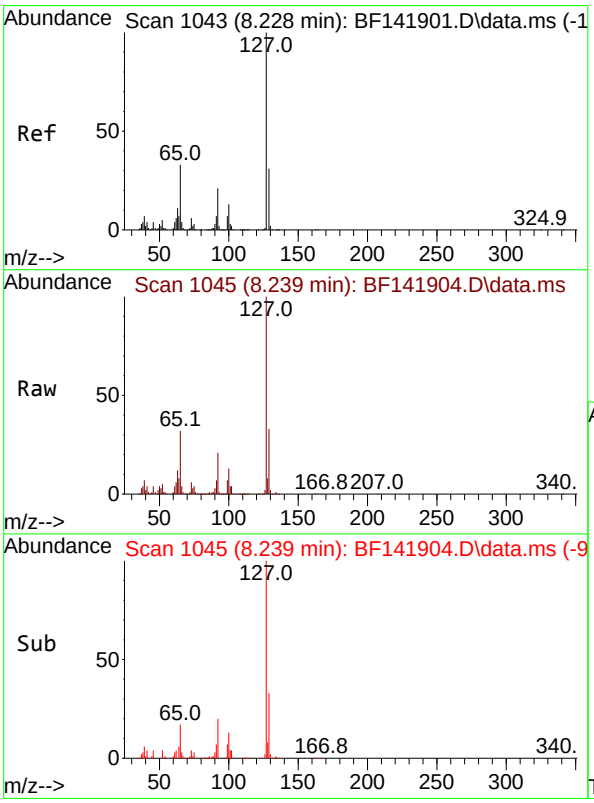
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 131.3 | 107.9 | 147.9 |
| 77 | 98.9 | 79.0 | 119.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

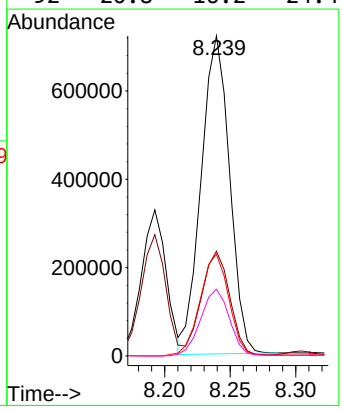
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

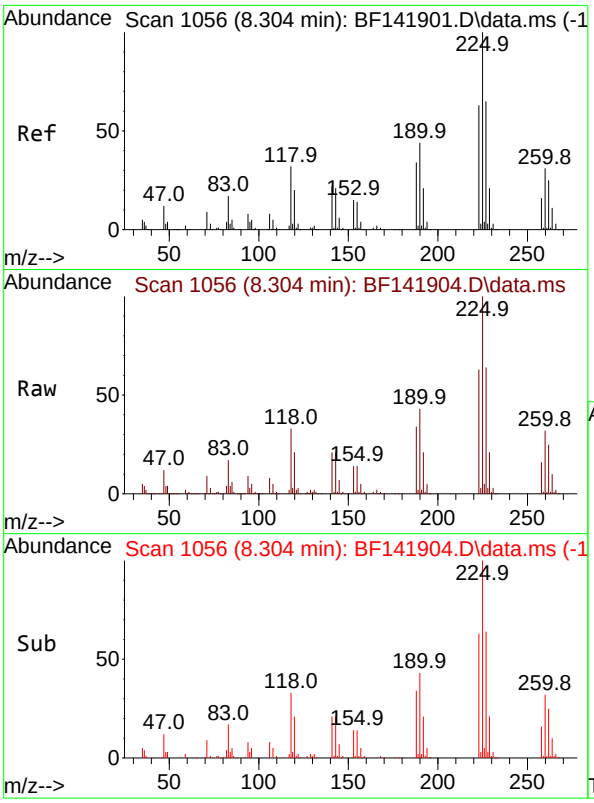



#33
4-Chloroaniline
Concen: 72.896 ng
RT: 8.239 min Scan# 1045
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:127 Resp: 1088546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.8 | 26.2 | 39.4 |
| 65 | 31.8 | 25.4 | 38.2 |
| 92 | 20.8 | 16.2 | 24.4 |






#34
Hexachlorobutadiene
Concen: 81.299 ng
RT: 8.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

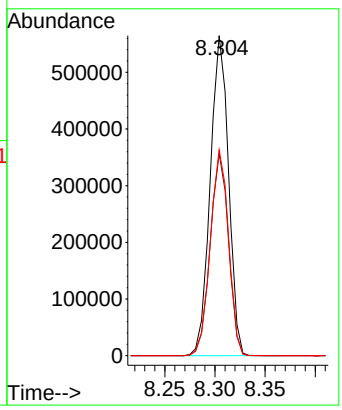
Tgt Ion:225 Resp: 71382

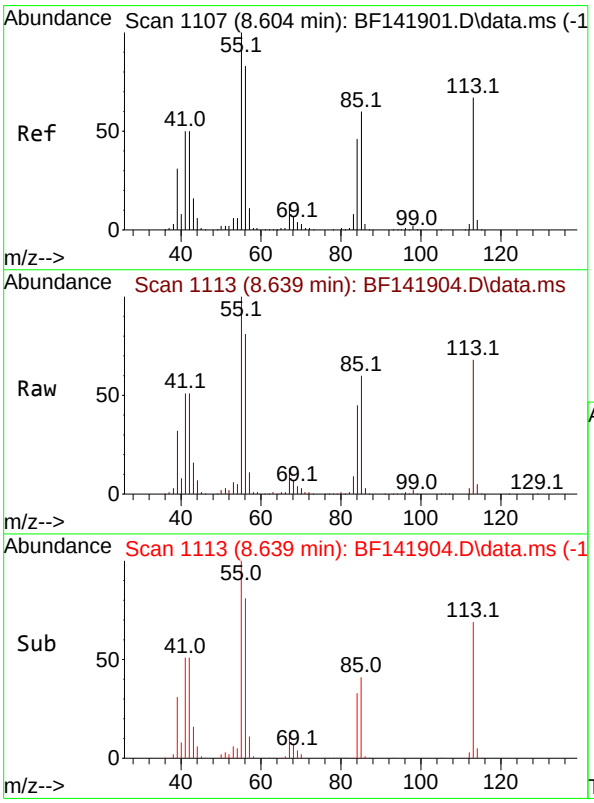
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.1 | 50.6 | 75.8 |
| 227 | 64.3 | 52.2 | 78.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

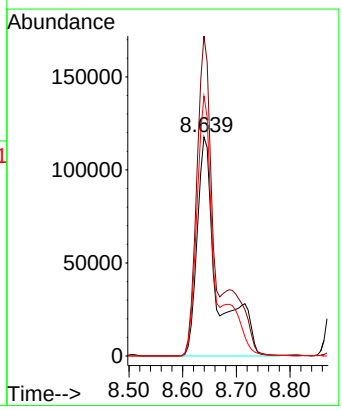


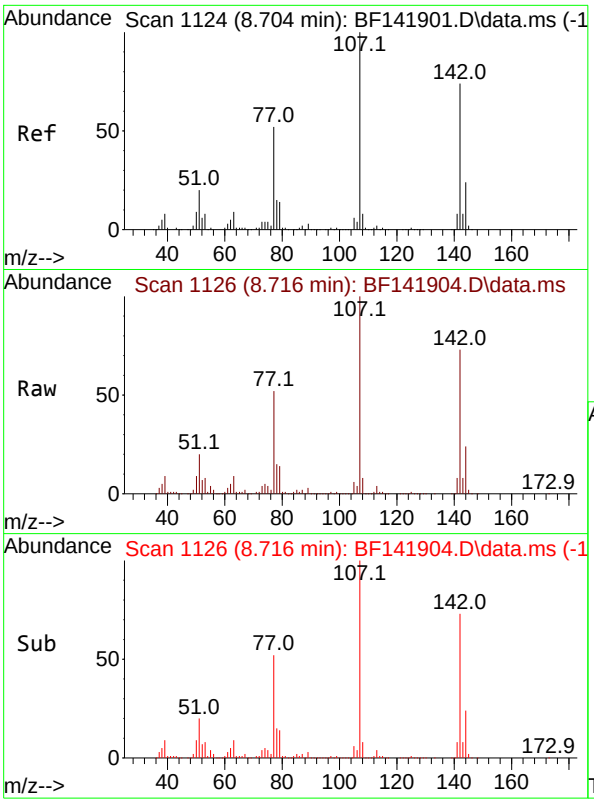




#35
Caprolactam
Concen: 83.763 ng m
RT: 8.639 min Scan# 1113
Delta R.T. 0.035 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:113 Resp: 311758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 146.1 | 129.6 | 169.6 |
| 56 | 118.7 | 104.0 | 144.0 |






#36
4-Chloro-3-methylphenol
Concen: 77.644 ng
RT: 8.716 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

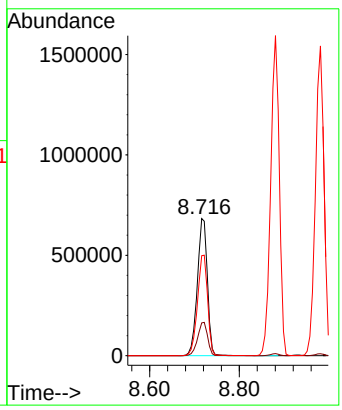
Tgt Ion:107 Resp: 105691

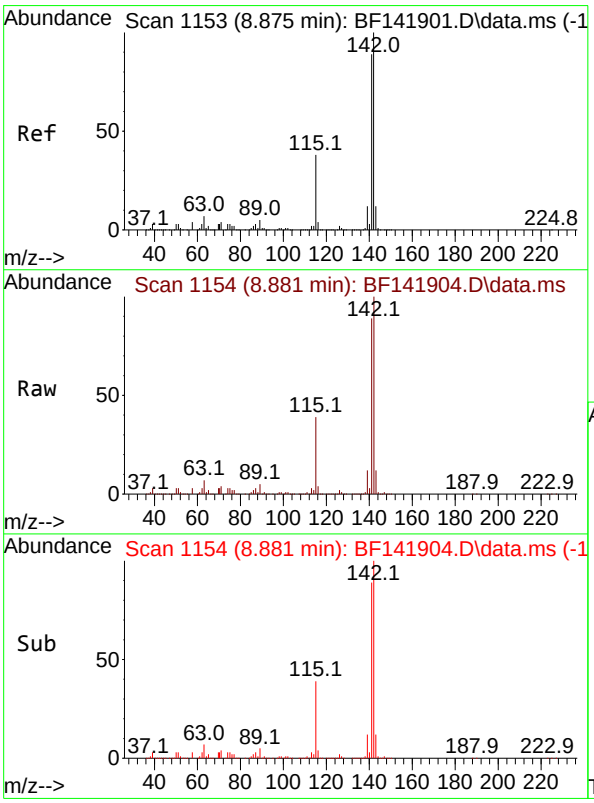
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.0 | 19.0 | 28.6 |
| 142 | 72.9 | 59.2 | 88.8 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

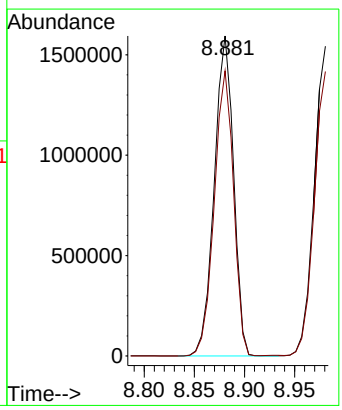


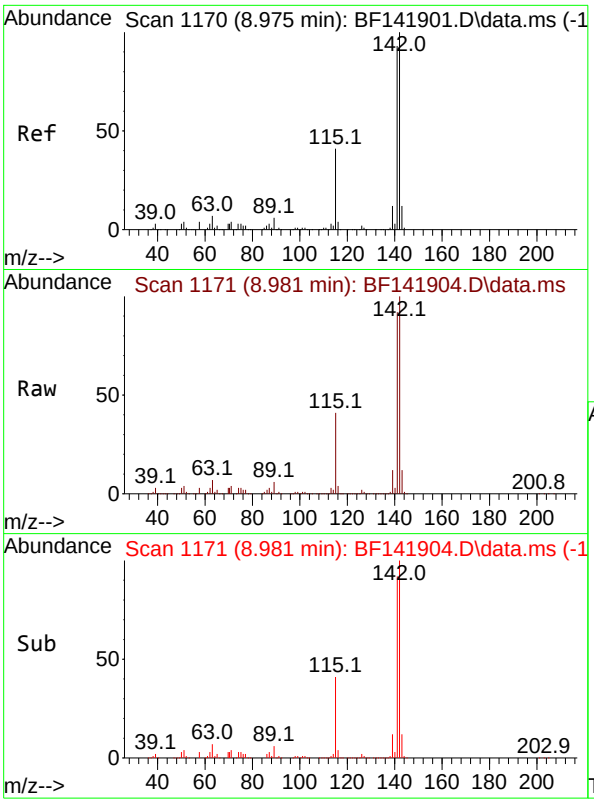




#37
2-Methylnaphthalene
Concen: 75.023 ng
RT: 8.881 min Scan# 1154
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:142 Resp: 2129990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.1 | 71.2 | 106.8 |

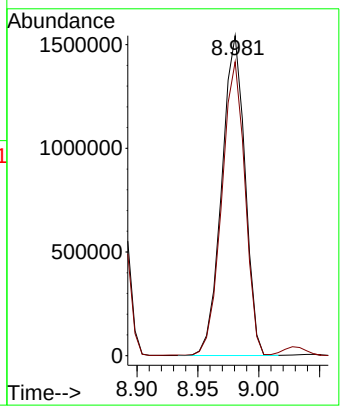





#38
1-Methylnaphthalene
Concen: 74.568 ng
RT: 8.981 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:142 Resp: 205019

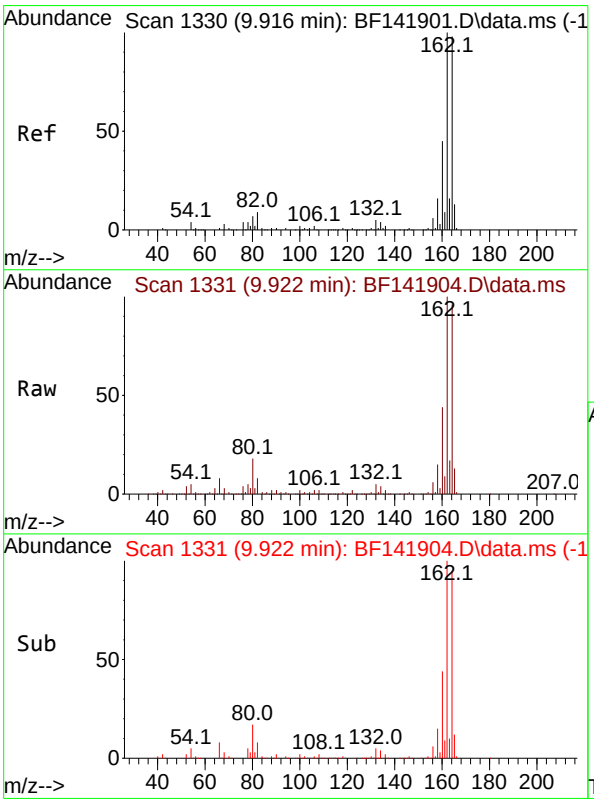
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.8 | 74.2 | 111.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

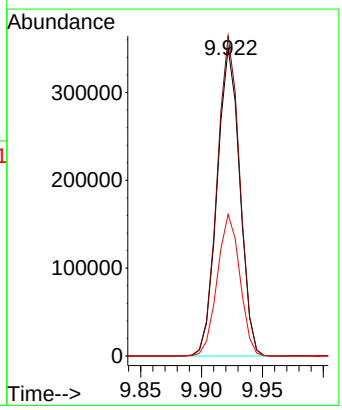
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

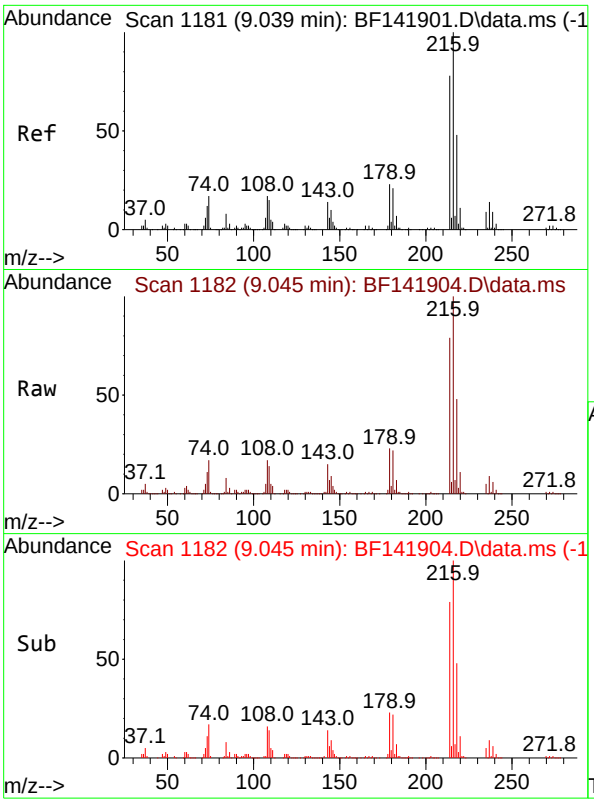



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:164 Resp: 452864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.9 | 81.8 | 122.6 |
| 160 | 45.9 | 36.7 | 55.1 |

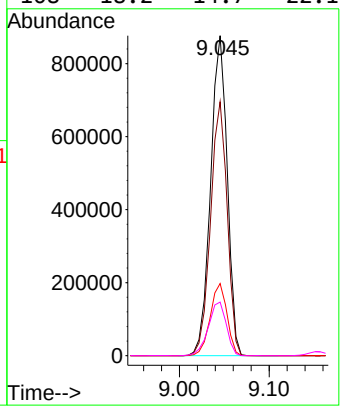





#40
1,2,4,5-Tetrachlorobenzene
Concen: 81.667 ng
RT: 9.045 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:216 Resp: 112767

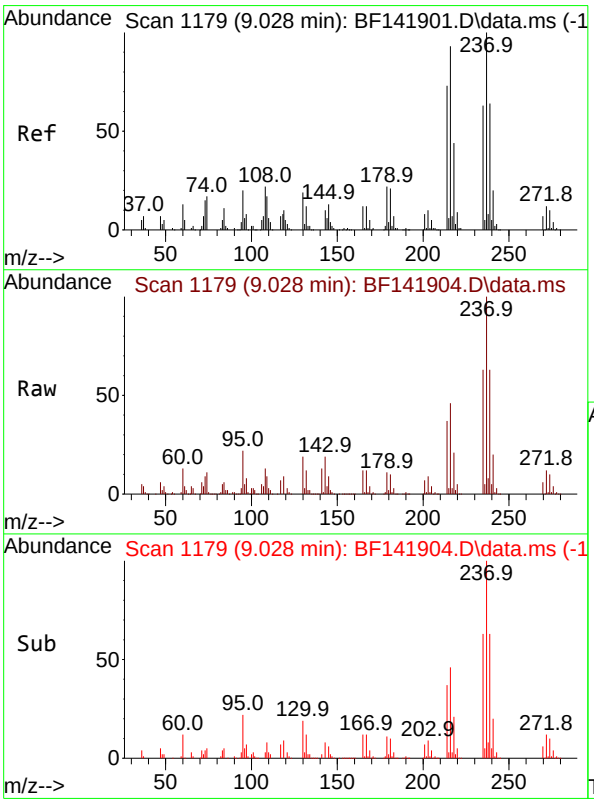
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.3 | 61.9 | 92.9 |
| 179 | 22.7 | 18.1 | 27.1 |
| 108 | 18.2 | 14.7 | 22.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

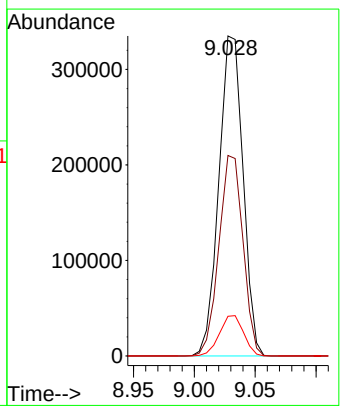
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

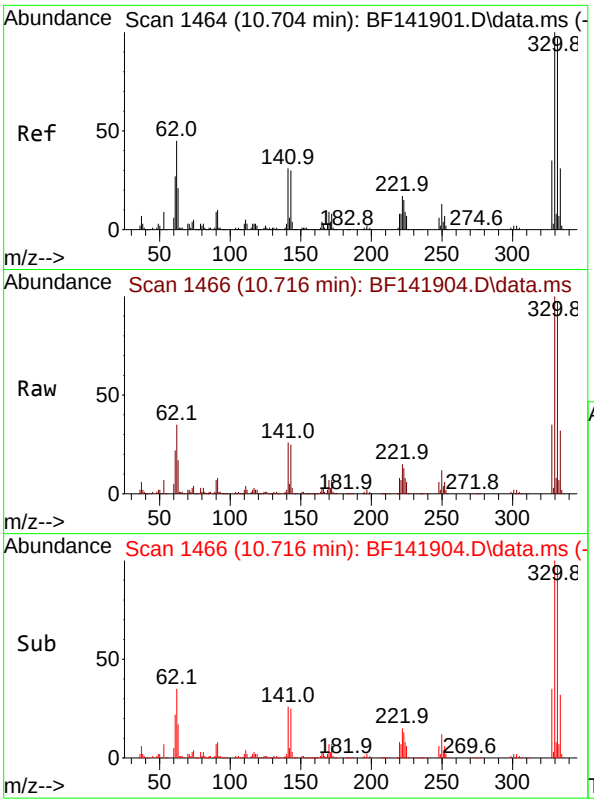



#41
Hexachlorocyclopentadiene
Concen: 85.031 ng
RT: 9.028 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:237 Resp: 463300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.6 | 43.1 | 83.1 |
| 272 | 12.4 | 0.0 | 32.0 |

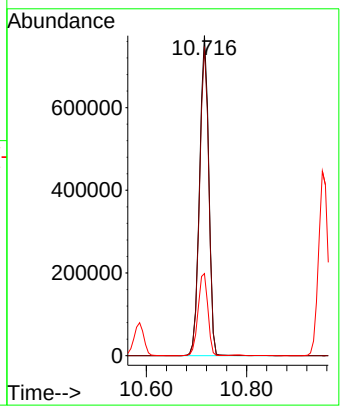





#42
2,4,6-Tribromophenol
Concen: 171.858 ng
RT: 10.716 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:330 Resp: 98620

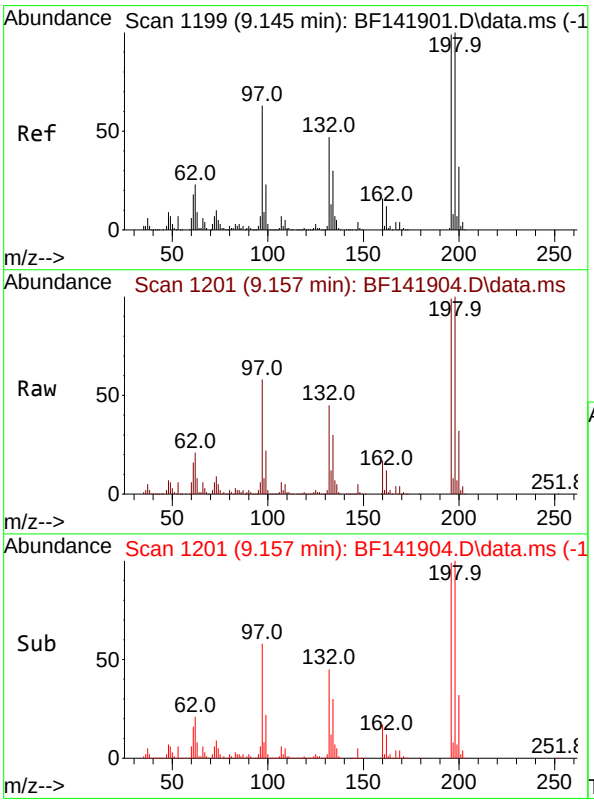
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.4 | 77.6 | 116.4 |
| 141 | 27.3 | 24.7 | 37.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

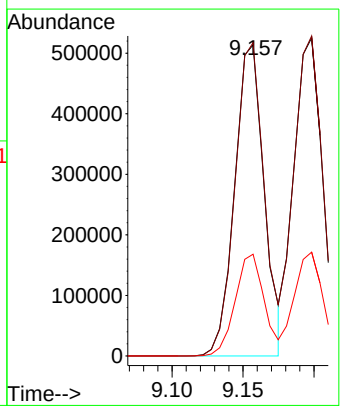
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

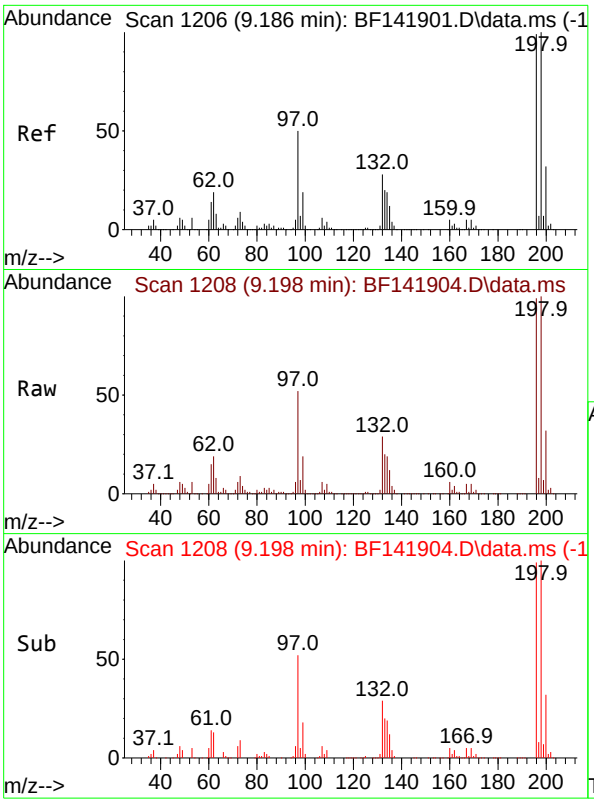



#43
2,4,6-Trichlorophenol
Concen: 82.399 ng
RT: 9.157 min Scan# 1201
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:196 Resp: 741710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.7 | 80.6 | 121.0 |
| 200 | 32.7 | 25.8 | 38.6 |

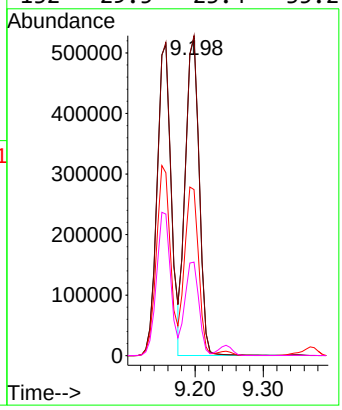





#44
2,4,5-Trichlorophenol
Concen: 80.579 ng
RT: 9.198 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:196 Resp: 73692

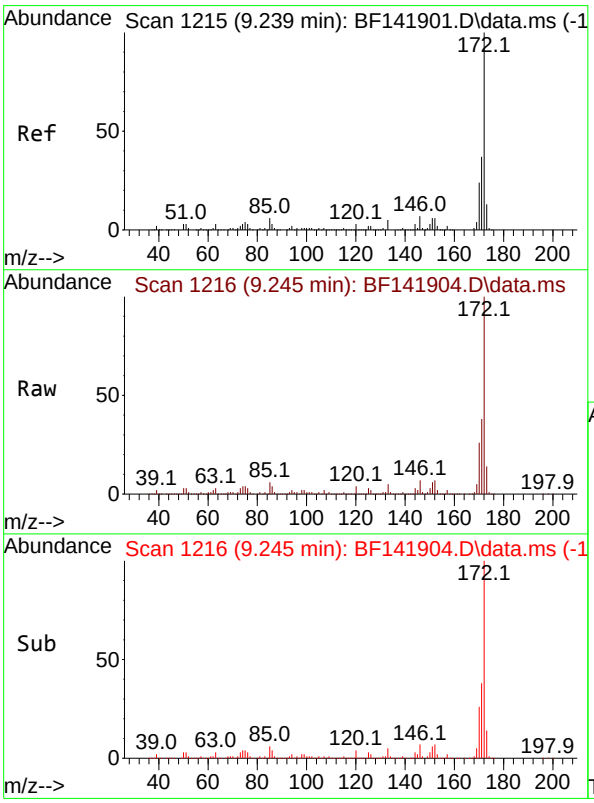
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.6 | 80.7 | 121.1 |
| 97 | 52.2 | 42.1 | 63.1 |
| 132 | 29.5 | 23.4 | 35.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

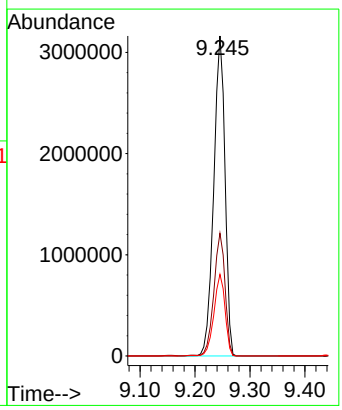
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

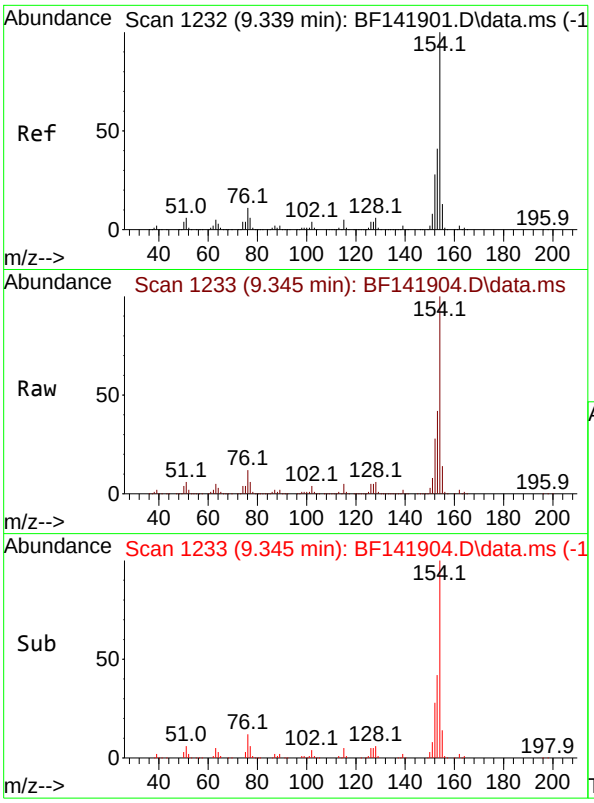



#45
2-Fluorobiphenyl
Concen: 151.763 ng
RT: 9.245 min Scan# 1216
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:172 Resp: 4513418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 38.4 | 29.3 | 43.9 |
| 170 | 25.5 | 19.4 | 29.0 |

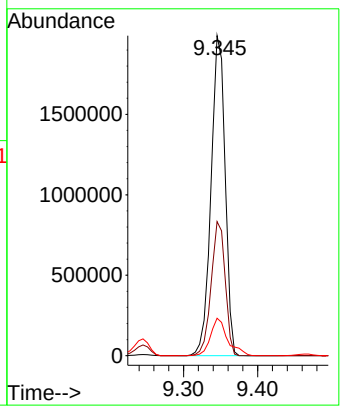





#46
1,1'-Biphenyl
Concen: 76.503 ng
RT: 9.345 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:154 Resp: 262669

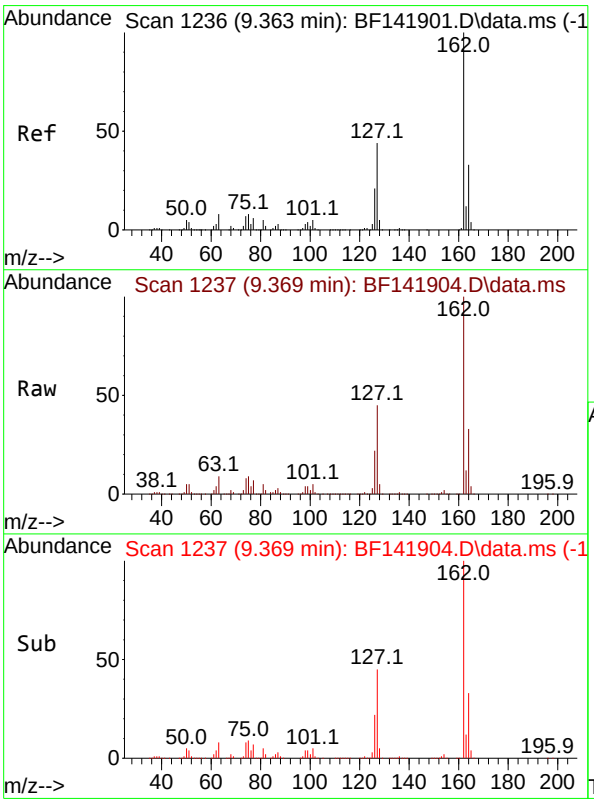
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.9 | 21.1 | 61.1 |
| 76 | 11.7 | 0.0 | 31.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

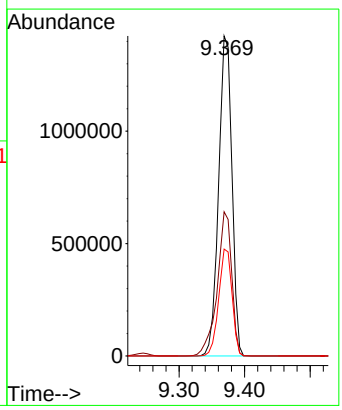
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

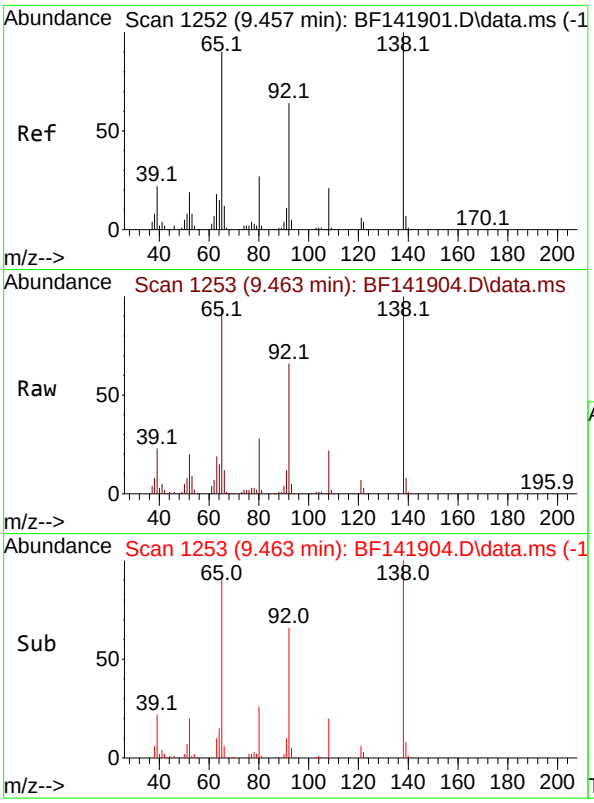



#47
2-Chloronaphthalene
Concen: 77.859 ng
RT: 9.369 min Scan# 1237
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:162 Resp: 1992242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 45.0 | 35.5 | 53.3 |
| 164 | 33.4 | 26.6 | 40.0 |






#48
2-Nitroaniline
Concen: 81.326 ng
RT: 9.463 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

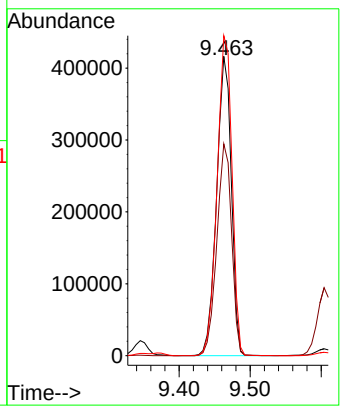
Tgt Ion: 65 Resp: 59777

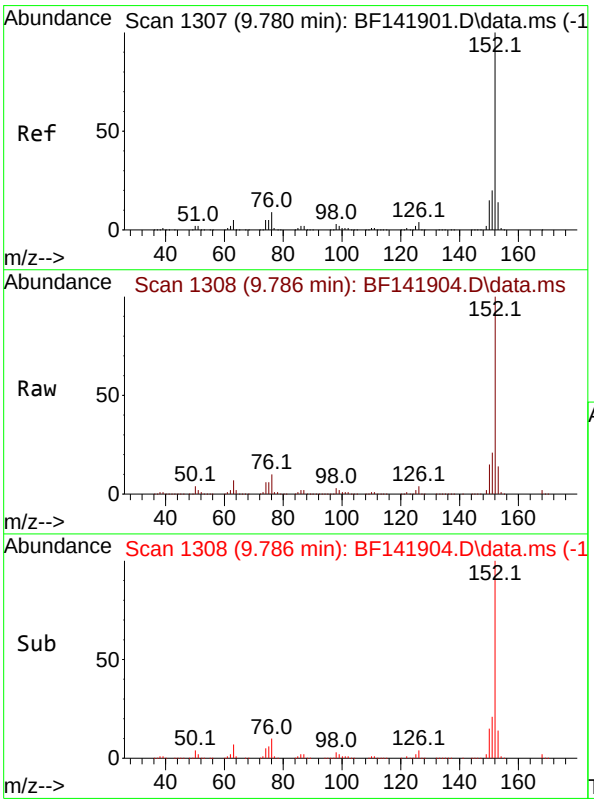
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 70.8 | 56.6 | 84.8 |
| 138 | 106.9 | 88.6 | 133.0 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

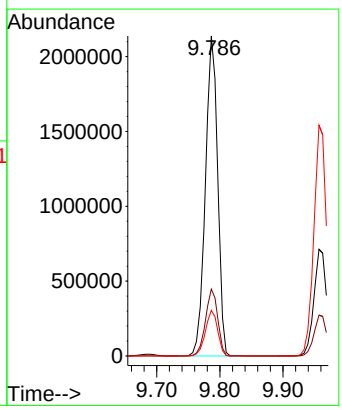


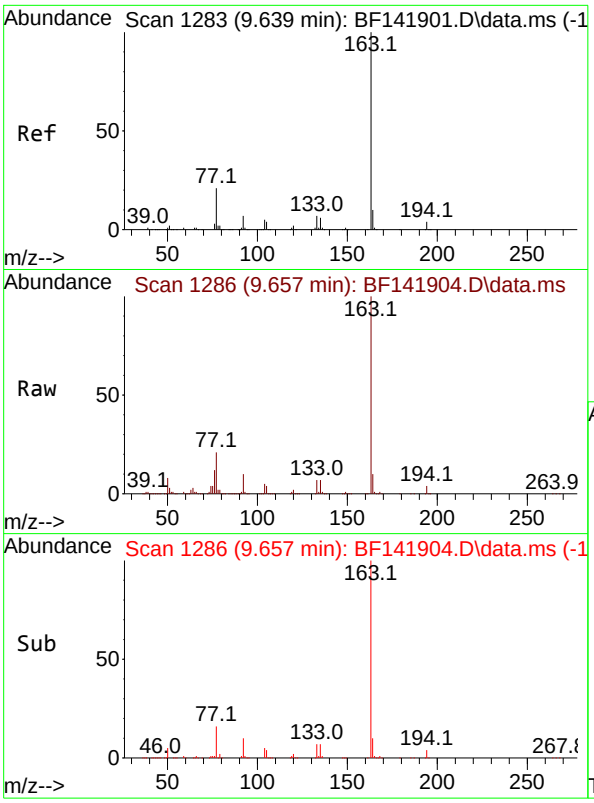




#49
Acenaphthylene
Concen: 75.877 ng
RT: 9.786 min Scan# 1308
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:152 Resp: 2878496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.9 | 16.3 | 24.5 |
| 153 | 14.2 | 11.1 | 16.7 |






#50
Dimethylphthalate
Concen: 77.192 ng
RT: 9.657 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

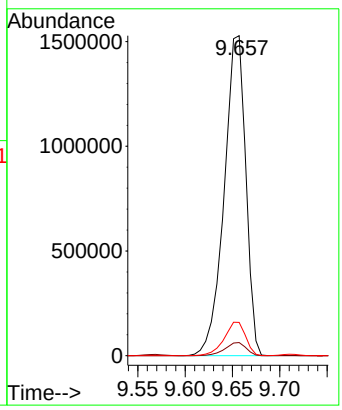
Tgt Ion:163 Resp: 242884

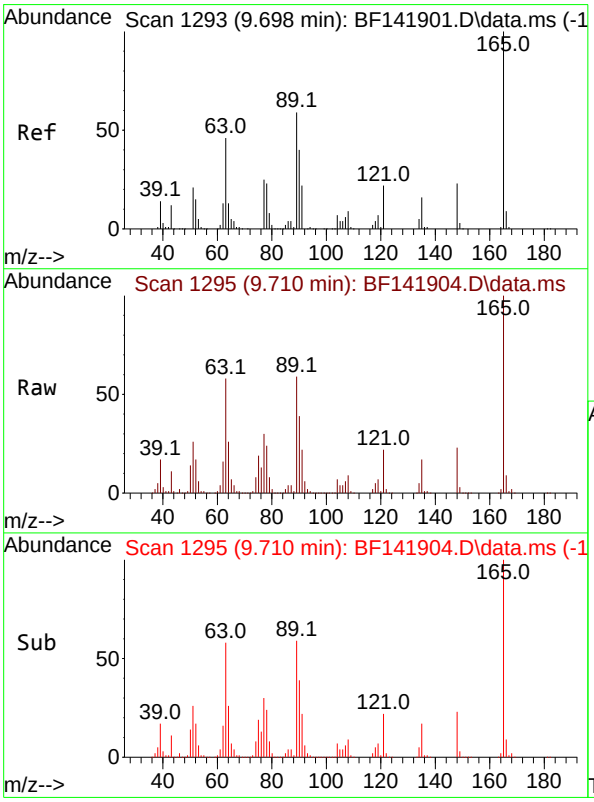
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.1 | 4.7 |
| 164 | 10.4 | 8.2 | 12.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

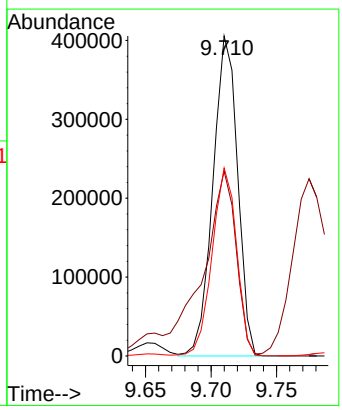


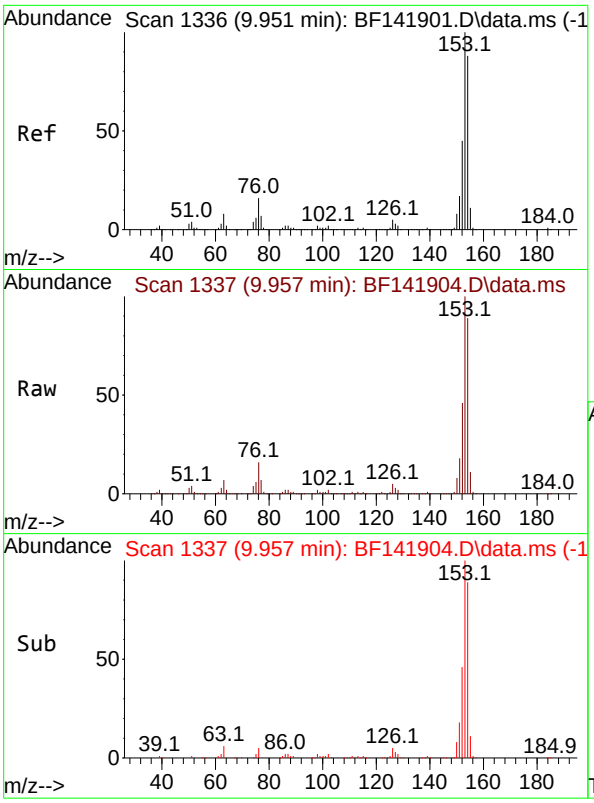




#51
2,6-Dinitrotoluene
Concen: 80.867 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:165 Resp: 529139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 57.7 | 47.0 | 70.4 |
| 89 | 58.8 | 47.4 | 71.2 |

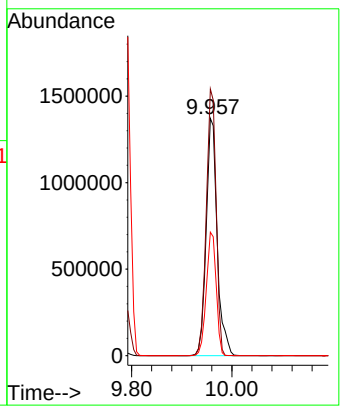





#52
Acenaphthene
Concen: 77.872 ng
RT: 9.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:154 Resp: 208594

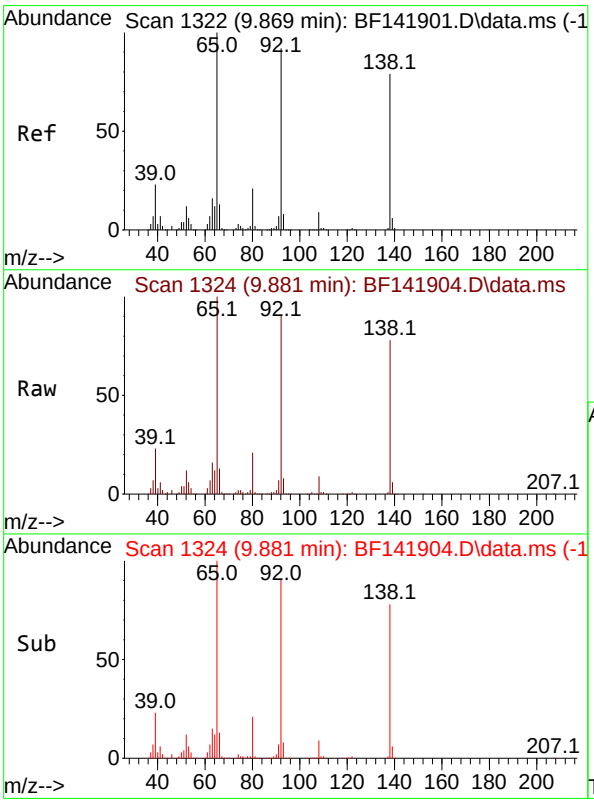
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.4 | 90.7 | 136.1 |
| 152 | 52.0 | 41.1 | 61.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

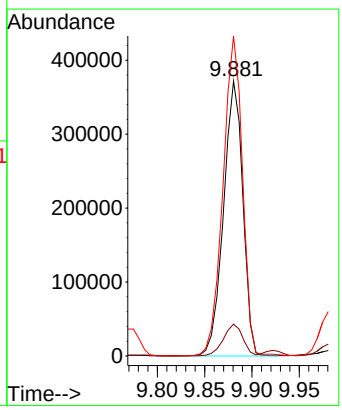
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

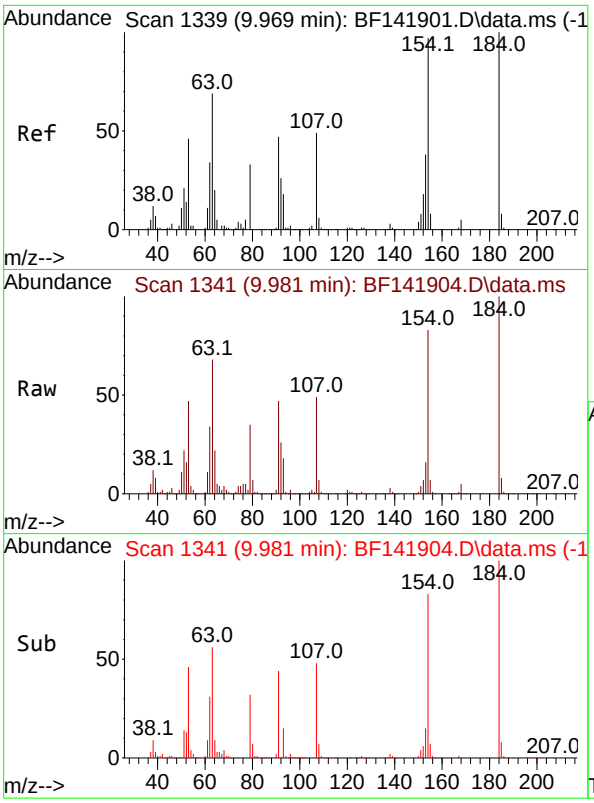



#53
3-Nitroaniline
Concen: 78.435 ng
RT: 9.881 min Scan# 1324
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:138 Resp: 526980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.6 | 9.3 | 13.9 |
| 92 | 116.4 | 93.5 | 140.3 |






#54
2,4-Dinitrophenol
Concen: 81.479 ng
RT: 9.981 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

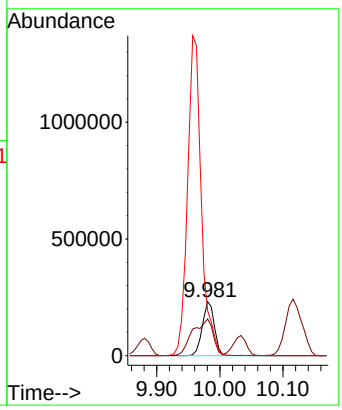
Tgt Ion:184 Resp: 30539

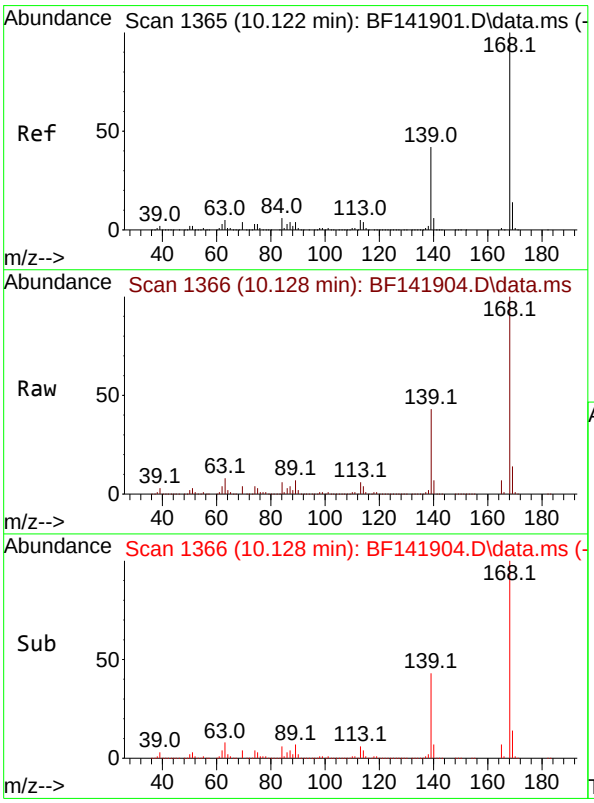
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 68.1 | 60.2 | 90.4 |
| 154 | 82.9 | 132.9 | 199.3# |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

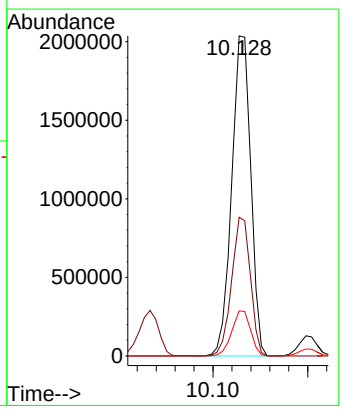


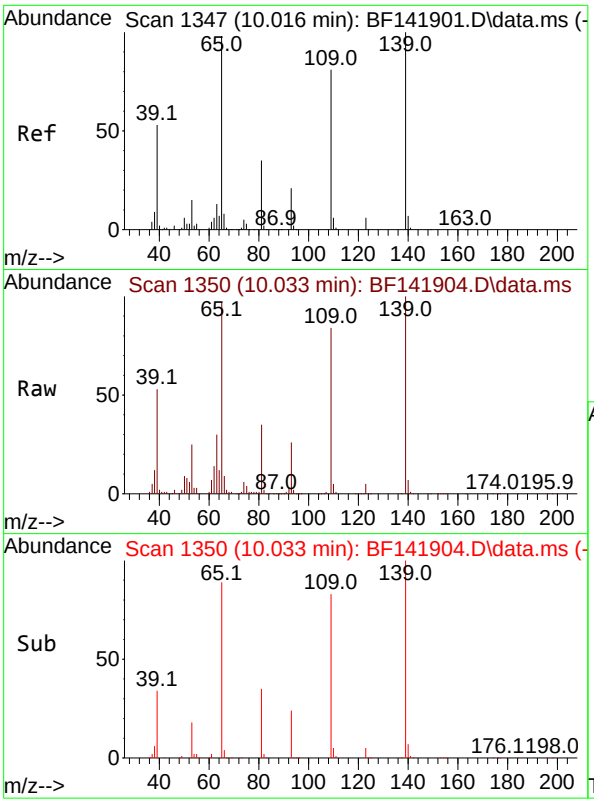




#55
Dibenzofuran
Concen: 74.474 ng
RT: 10.128 min Scan# 1366
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:168 Resp: 2844432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 43.4 | 33.9 | 50.9 |
| 169 | 14.1 | 11.0 | 16.4 |






#56
4-Nitrophenol
Concen: 82.456 ng
RT: 10.033 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

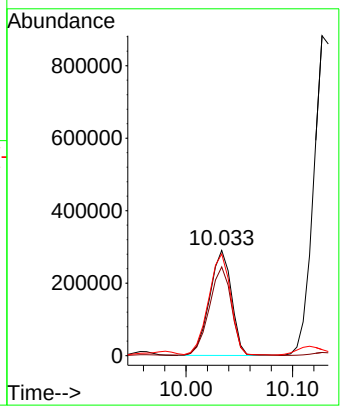
Tgt Ion:139 Resp: 41615

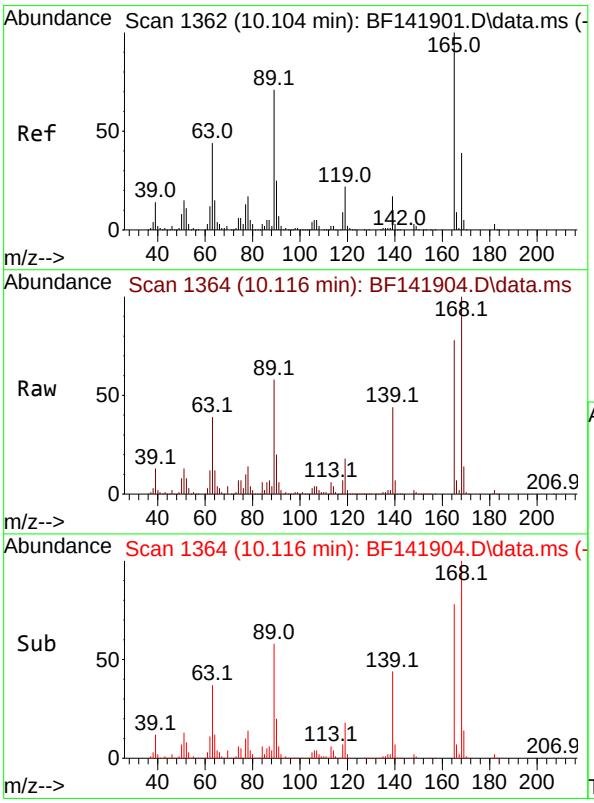
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 84.3 | 61.6 | 101.6 |
| 65 | 96.7 | 79.4 | 119.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

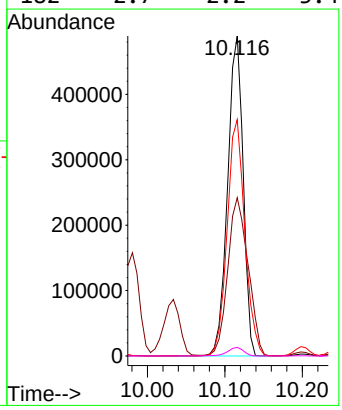


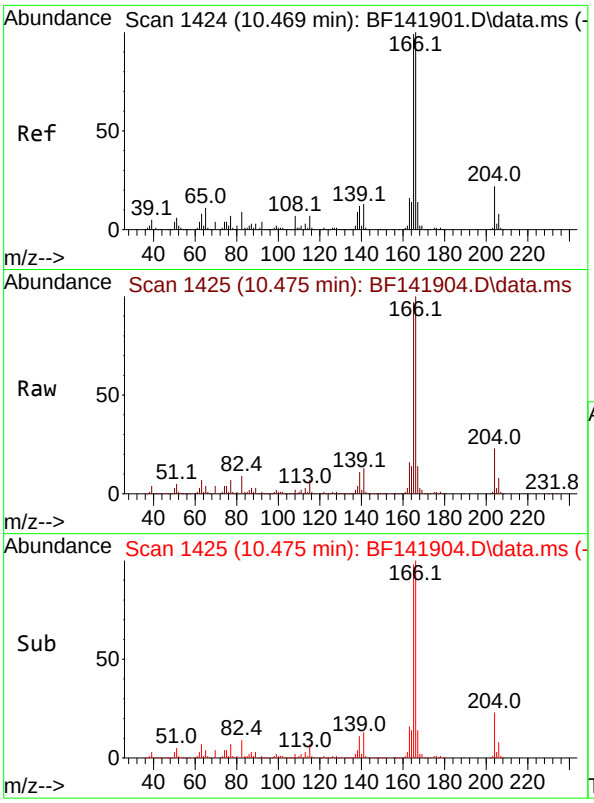




#57
2,4-Dinitrotoluene
Concen: 79.099 ng
RT: 10.116 min Scan# 1364
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:165 Resp: 681278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 49.4 | 35.4 | 53.2 |
| 89 | 73.9 | 56.6 | 84.8 |
| 182 | 2.7 | 2.2 | 3.4 |

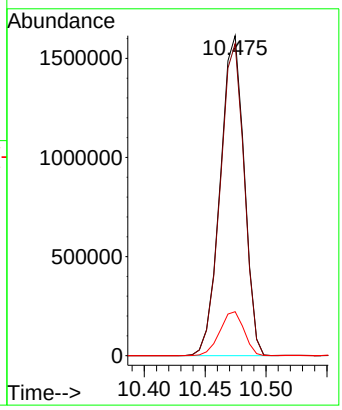





#58
Fluorene
Concen: 74.974 ng
RT: 10.475 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:166 Resp: 221065

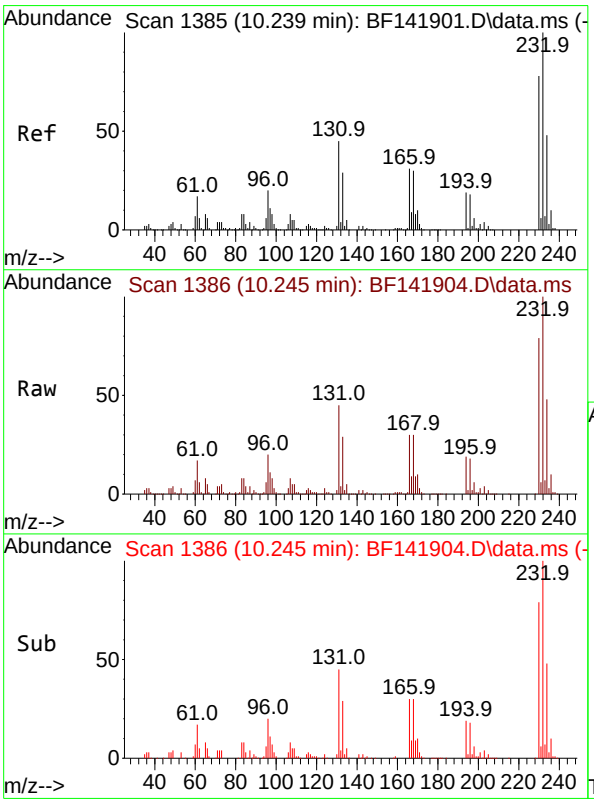
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.5 | 79.0 | 118.4 |
| 167 | 13.8 | 11.0 | 16.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

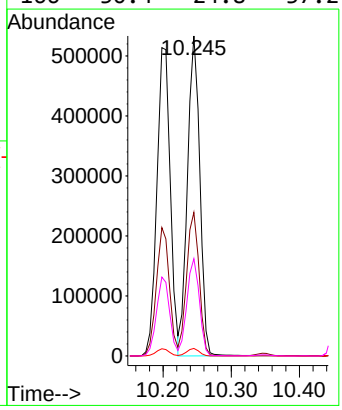
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

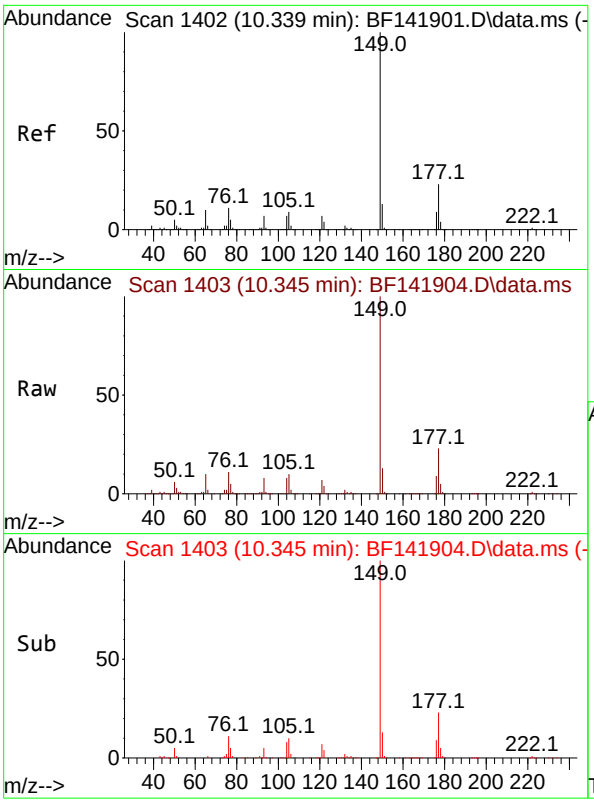



#59
2,3,4,6-Tetrachlorophenol
Concen: 80.507 ng
RT: 10.245 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:232 Resp: 668027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.4 | 37.3 | 55.9 |
| 130 | 2.3 | 1.9 | 2.9 |
| 166 | 30.4 | 24.8 | 37.2 |

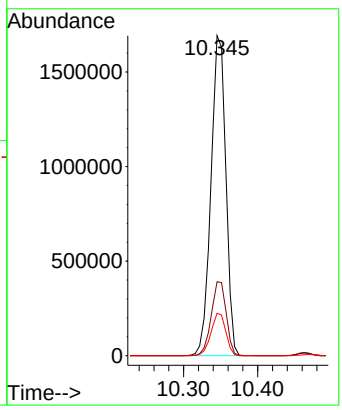





#60
Diethylphthalate
Concen: 74.681 ng
RT: 10.345 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:149 Resp: 235892

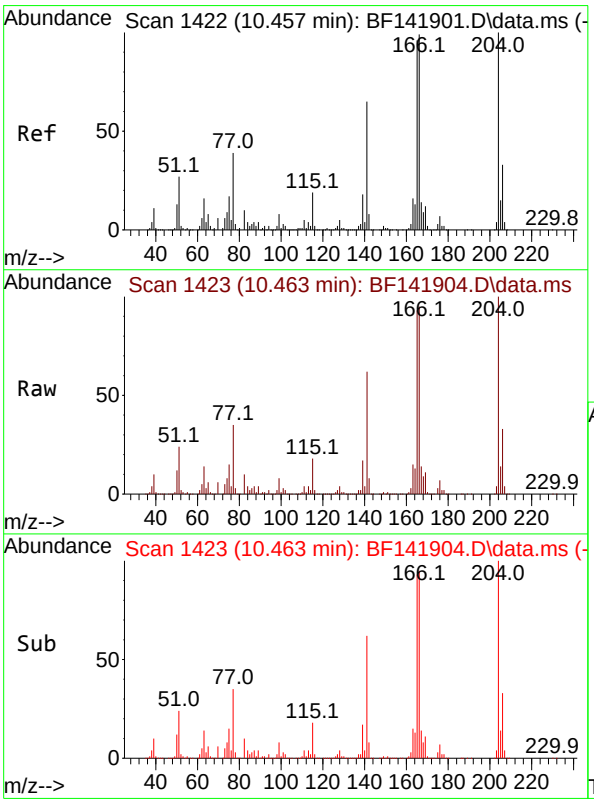
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 23.1 | 18.0 | 27.0 |
| 150 | 13.3 | 10.2 | 15.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

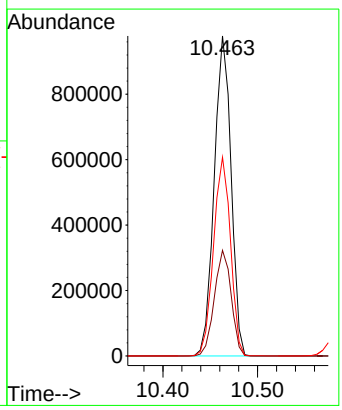
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

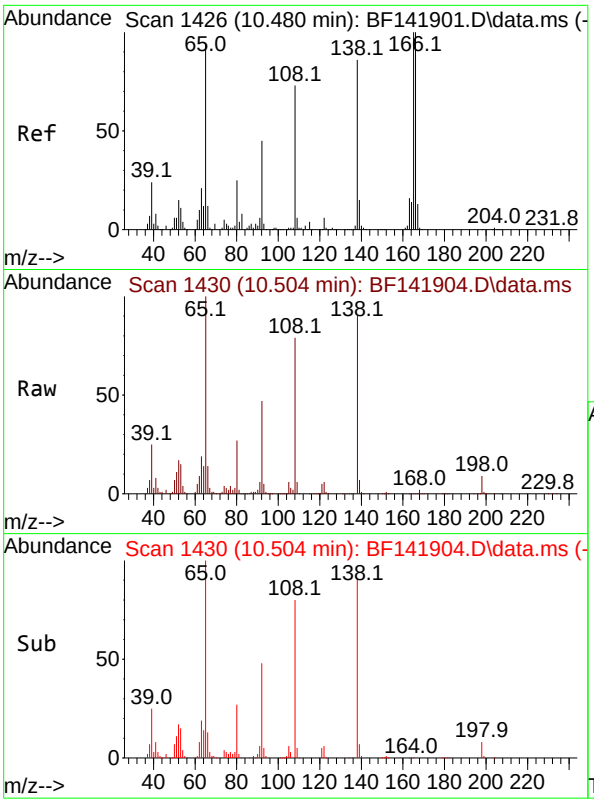



#61
4-Chlorophenyl-phenylether
Concen: 78.724 ng
RT: 10.463 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:204 Resp: 1209021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.0 | 26.8 | 40.2 |
| 141 | 62.1 | 52.4 | 78.6 |

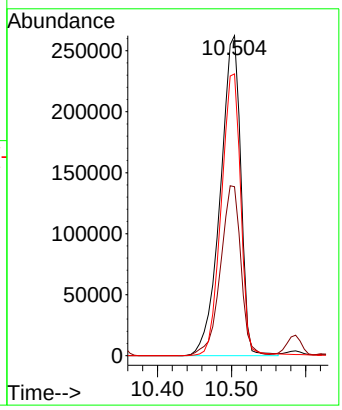





#62
4-Nitroaniline
Concen: 77.243 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.024 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:138 Resp: 50289

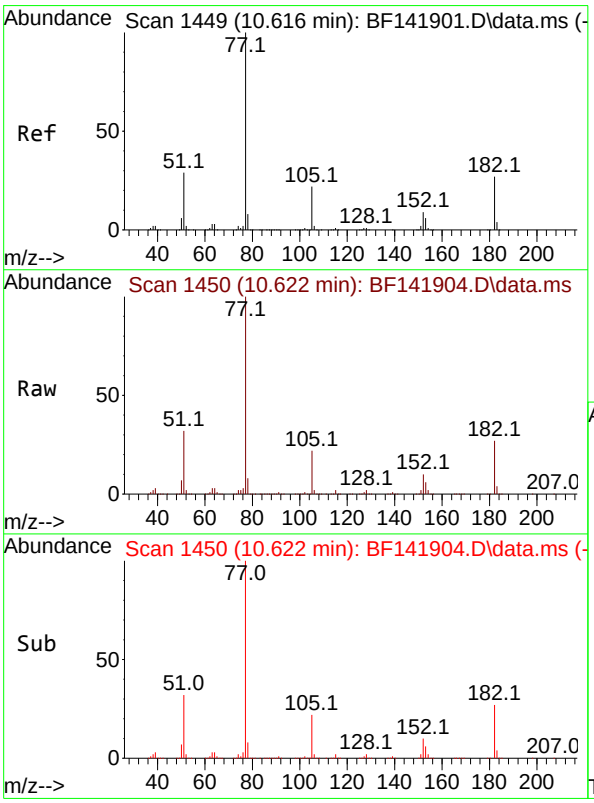
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 52.8 | 32.6 | 72.6 |
| 108 | 88.1 | 65.0 | 105.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

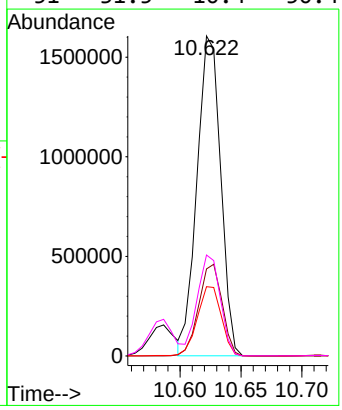
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

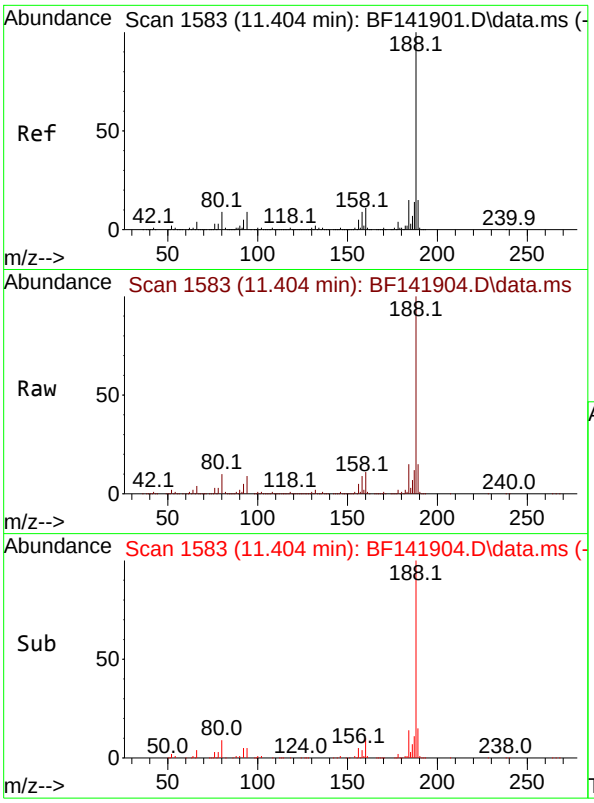



#63
Azobenzene
Concen: 73.911 ng
RT: 10.622 min Scan# 1450
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 77 Resp: 2168742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 27.2 | 6.6 | 46.6 |
| 105 | 21.7 | 1.3 | 41.3 |
| 51 | 31.5 | 10.4 | 50.4 |






#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

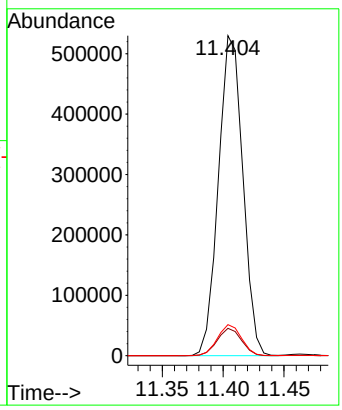
Tgt Ion:188 Resp: 73847

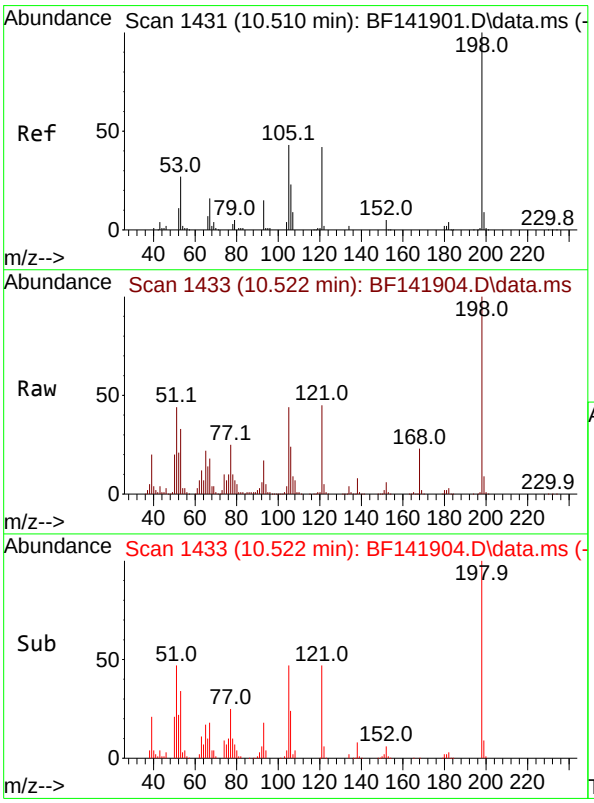
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.5 | 6.8 | 10.2 |
| 80 | 9.7 | 7.6 | 11.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

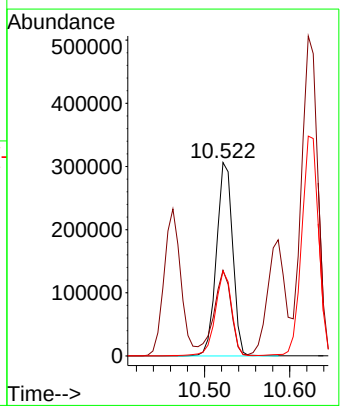


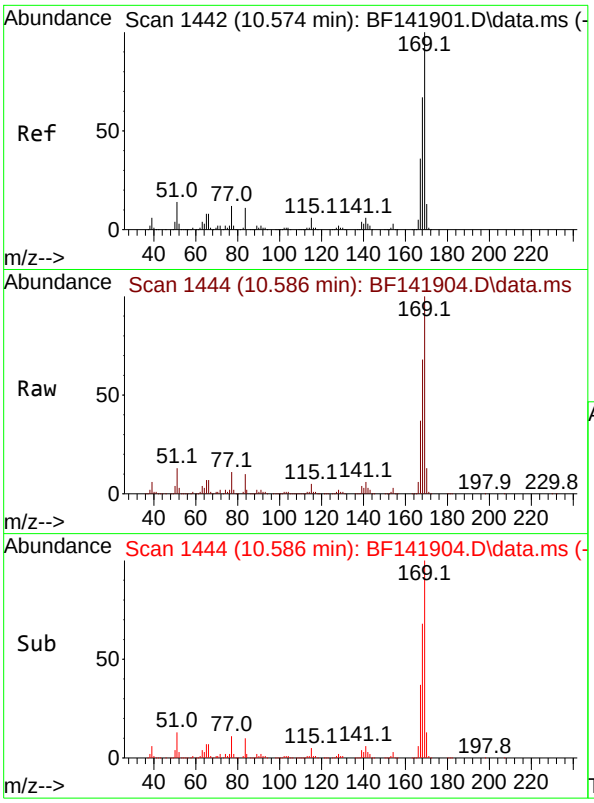




#65
4,6-Dinitro-2-methylphenol
Concen: 92.396 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:198 Resp: 404505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 44.2 | 22.3 | 62.3 |
| 105 | 43.9 | 23.0 | 63.0 |

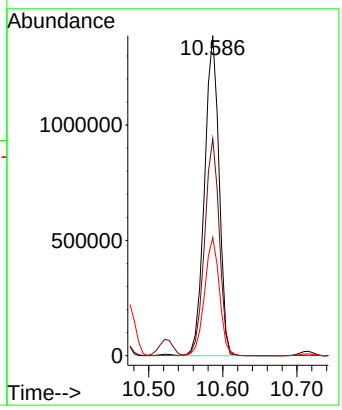





#66
n-Nitrosodiphenylamine
Concen: 78.895 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:169 Resp: 188209

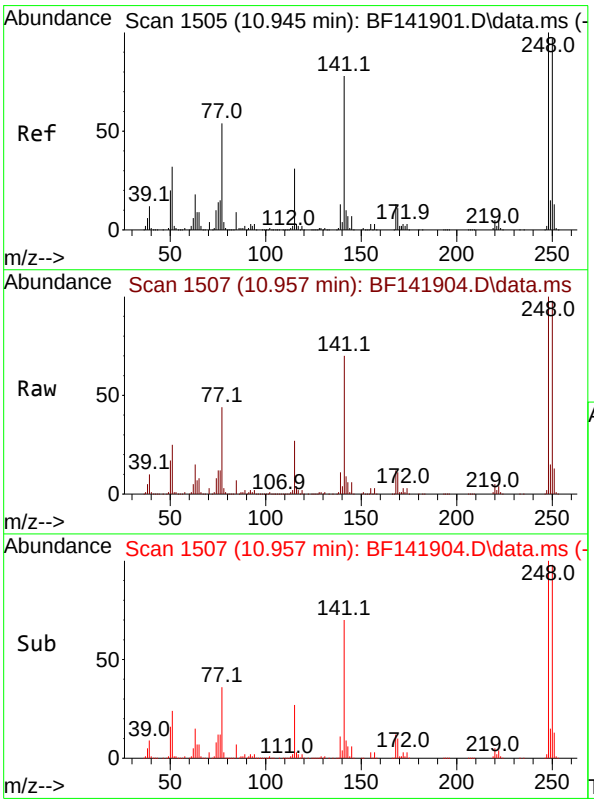
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.8 | 53.7 | 80.5 |
| 167 | 36.9 | 29.2 | 43.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

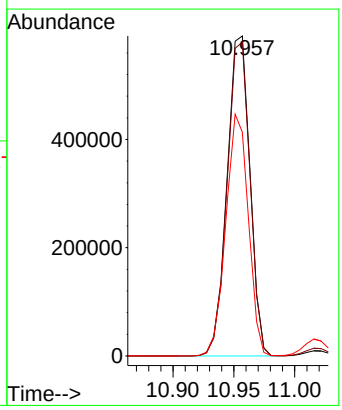
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

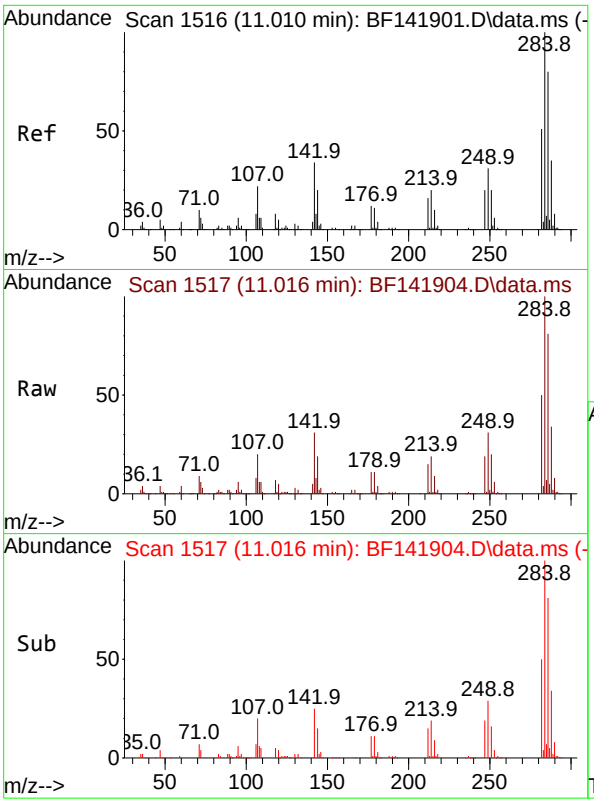



#67
4-Bromophenyl-phenylether
Concen: 84.232 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:248 Resp: 774645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.1 | 77.8 | 116.8 |
| 141 | 69.9 | 62.6 | 93.8 |






#68
Hexachlorobenzene
Concen: 84.832 ng
RT: 11.016 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

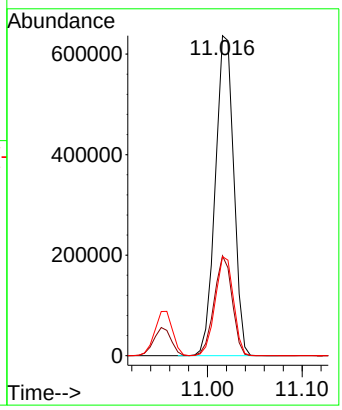
**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

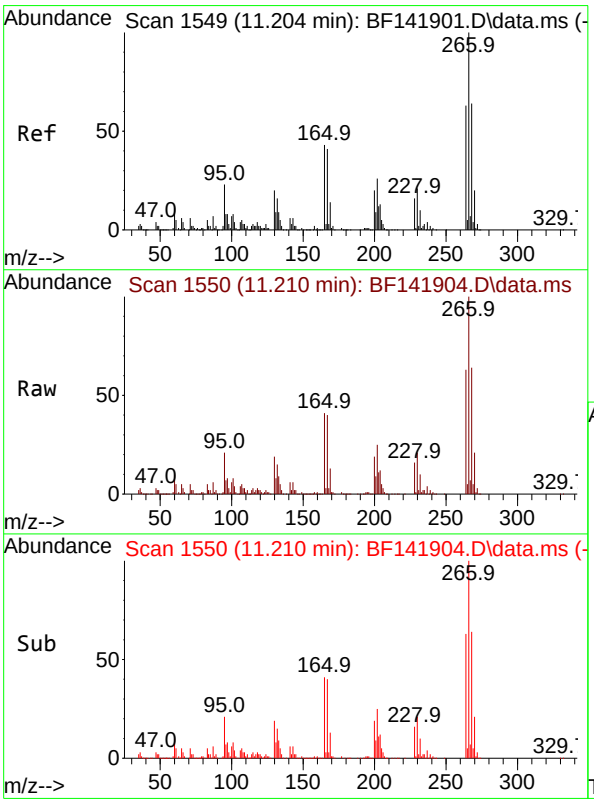
Tgt Ion:284 Resp: 86235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.2 | 27.0 | 40.6 |
| 249 | 31.0 | 25.2 | 37.8 |

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

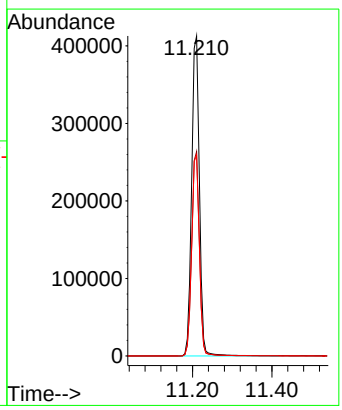


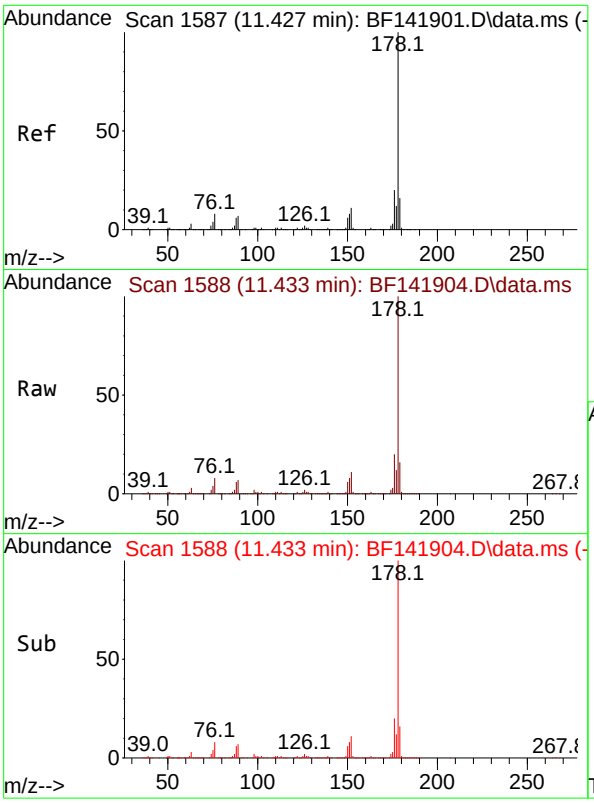




#70
Pentachlorophenol
Concen: 89.813 ng
RT: 11.210 min Scan# 1550
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:266 Resp: 563030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.9 | 51.0 | 76.6 |
| 264 | 62.9 | 50.2 | 75.2 |

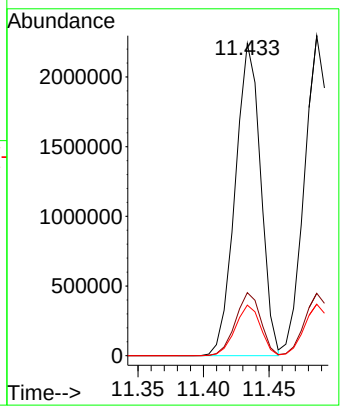





#71
Phenanthrene
Concen: 75.649 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:178 Resp: 302095

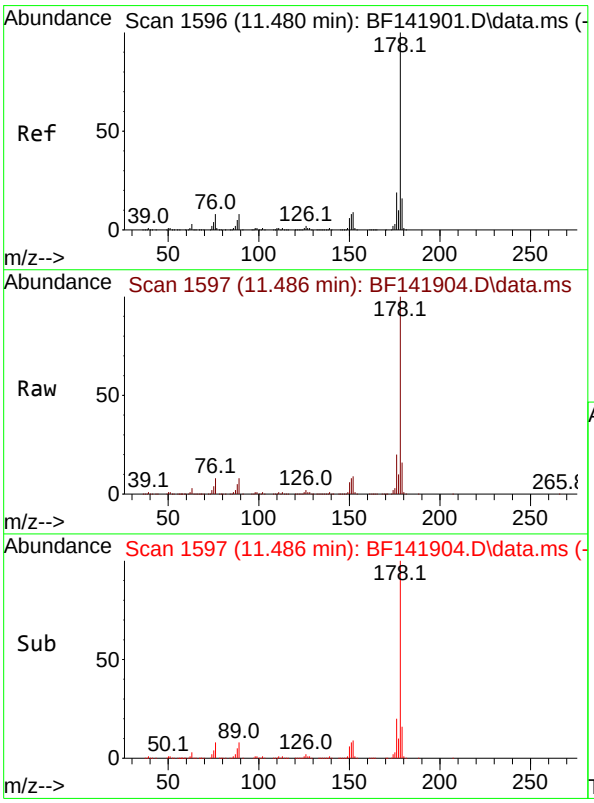
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.2 | 15.8 | 23.8 |
| 179 | 16.2 | 12.6 | 19.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

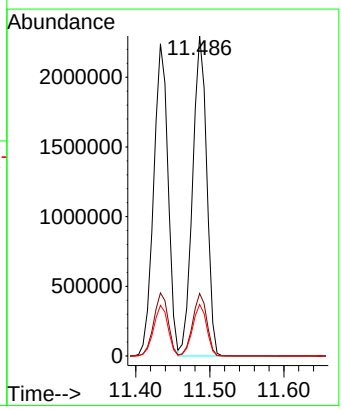
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

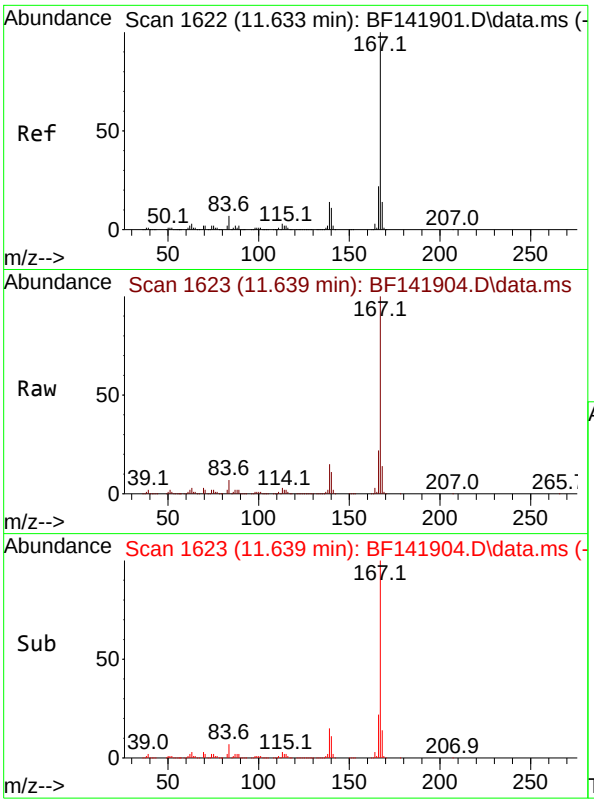



#72
Anthracene
Concen: 75.653 ng
RT: 11.486 min Scan# 1597
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:178 Resp: 3031014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 15.1 | 22.7 |
| 179 | 16.1 | 12.6 | 19.0 |

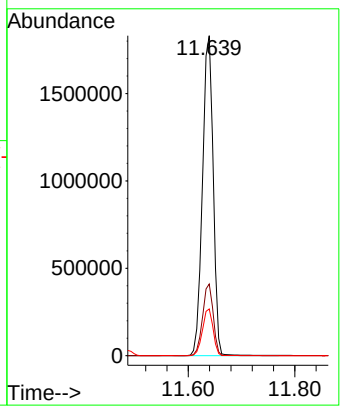





#73
Carbazole
Concen: 74.002 ng
RT: 11.639 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:167 Resp: 255256

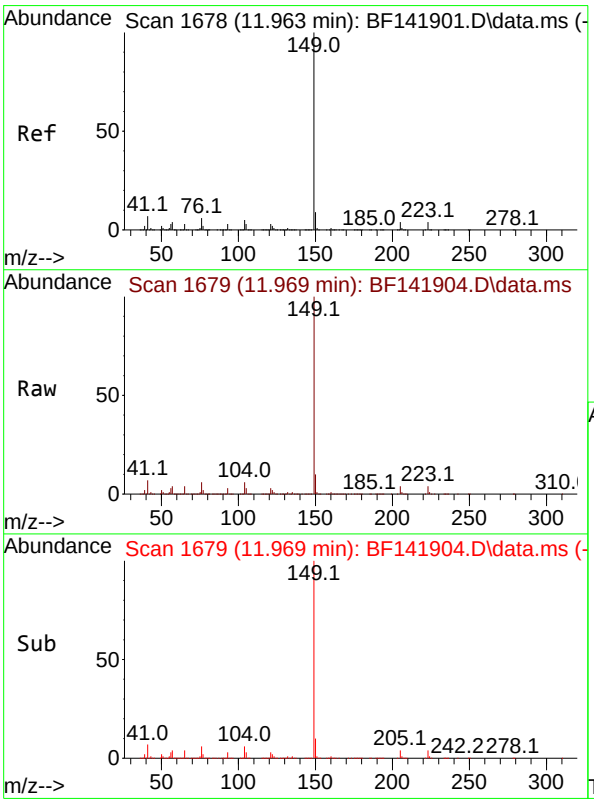
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.4 | 17.4 | 26.2 |
| 139 | 14.6 | 11.0 | 16.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

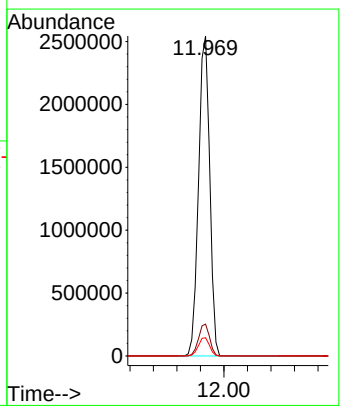
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

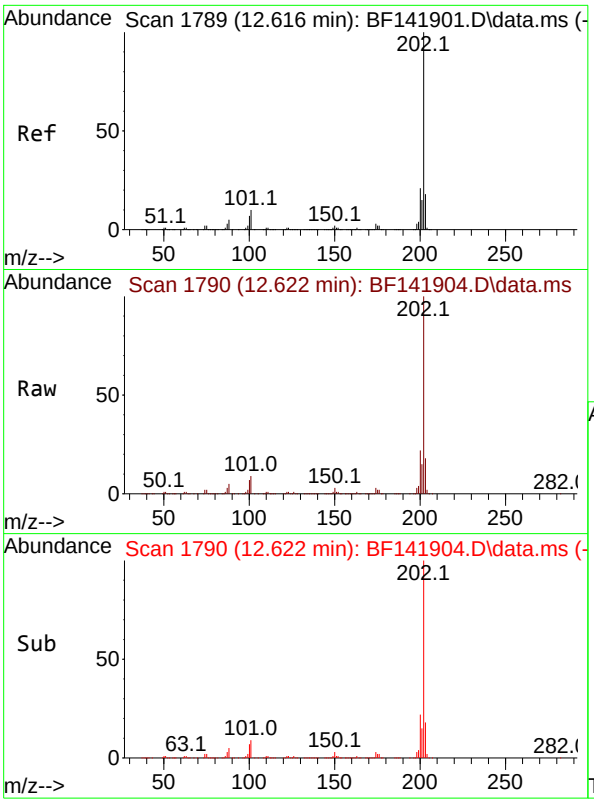



#74
Di-n-butylphthalate
Concen: 73.399 ng
RT: 11.969 min Scan# 1679
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:149 Resp: 3342776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 10.0 | 7.6 | 11.4 |
| 104 | 5.7 | 4.4 | 6.6 |

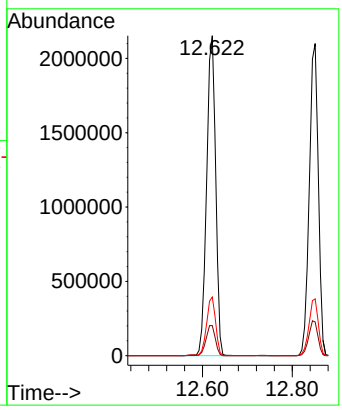





#75
Fluoranthene
Concen: 71.694 ng
RT: 12.622 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:202 Resp: 300556

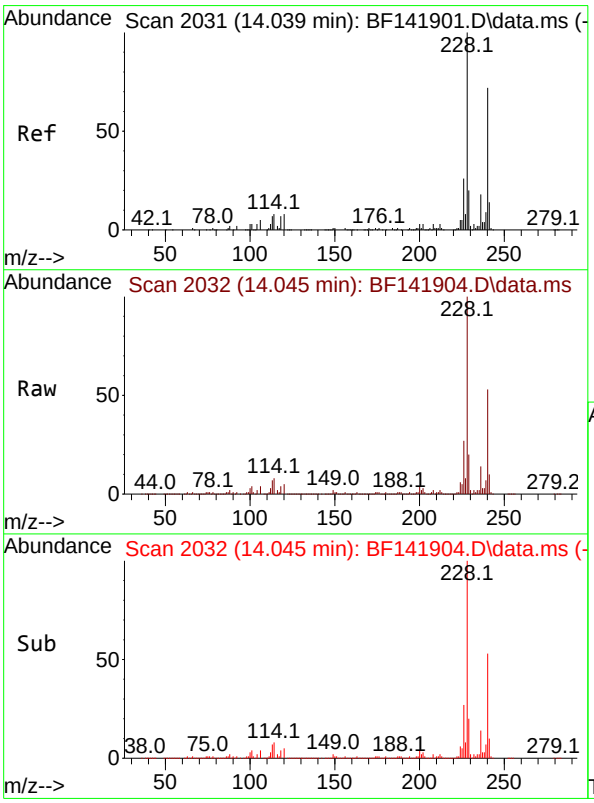
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.4 | 0.0 | 29.7 |
| 203 | 18.4 | 0.0 | 37.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

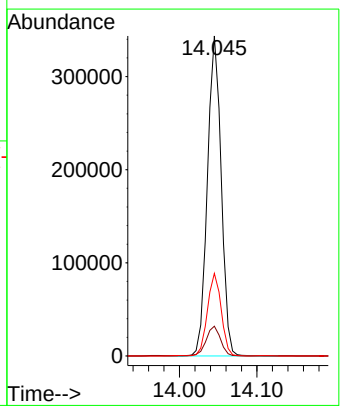
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

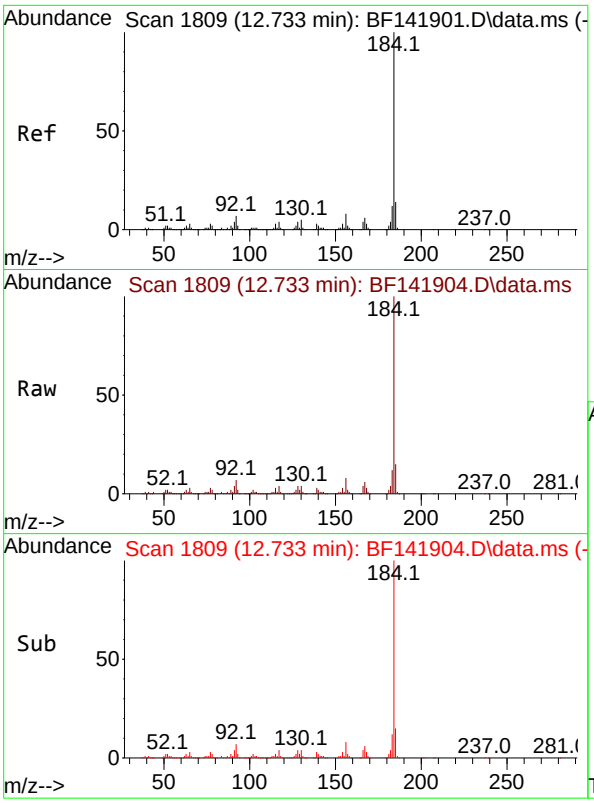



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:240 Resp: 424370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.3 | 8.4 | 12.6 |
| 236 | 25.8 | 20.5 | 30.7 |

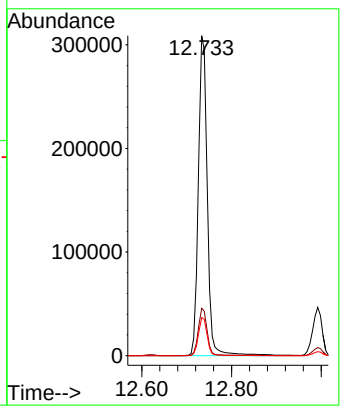





#77
Benzidine
Concen: 71.330 ng
RT: 12.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:184 Resp: 42777

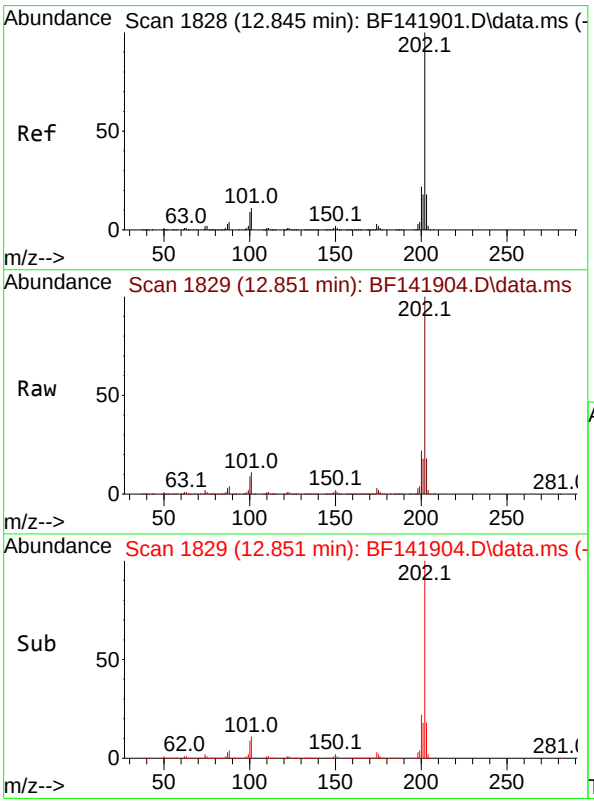
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.8 | 11.5 | 17.3 |
| 183 | 11.9 | 9.7 | 14.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

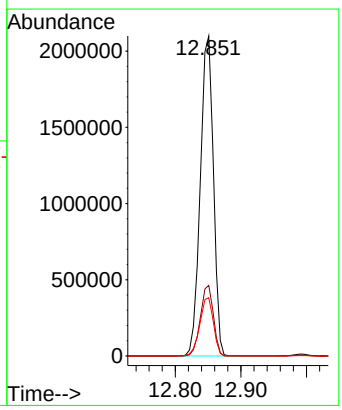
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

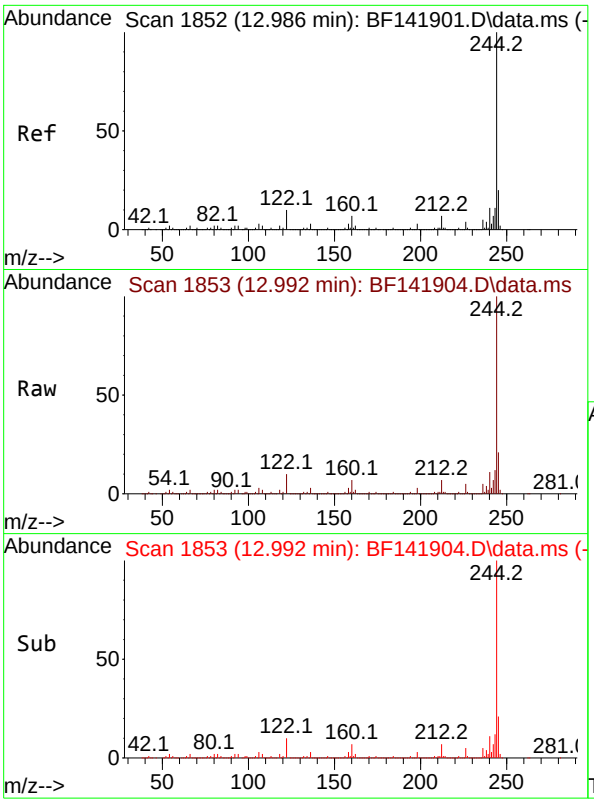



#78
Pyrene
Concen: 80.513 ng
RT: 12.851 min Scan# 1829
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:202 Resp: 2930115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.1 | 17.3 | 25.9 |
| 203 | 18.2 | 14.4 | 21.6 |

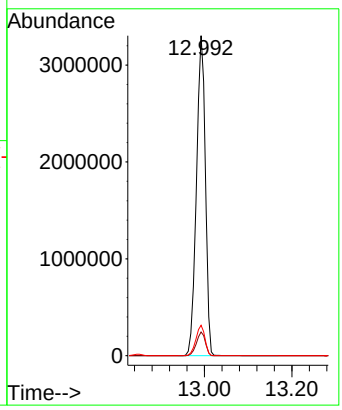





#79
Terphenyl-d14
Concen: 163.713 ng
RT: 12.992 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:244 Resp: 470002

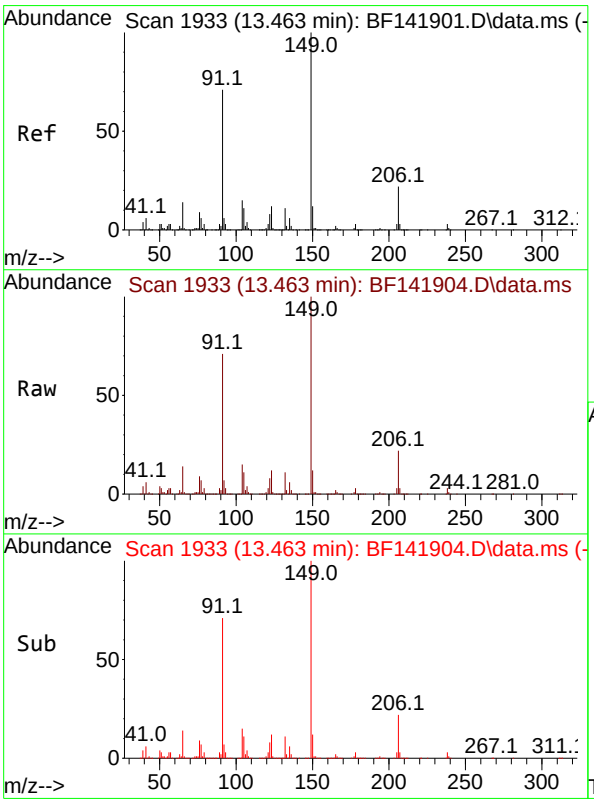
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.4 | 6.0 | 9.0 |
| 122 | 9.5 | 7.7 | 11.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

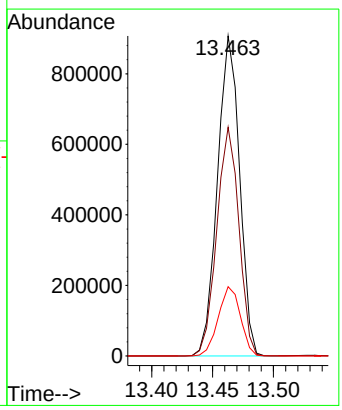
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

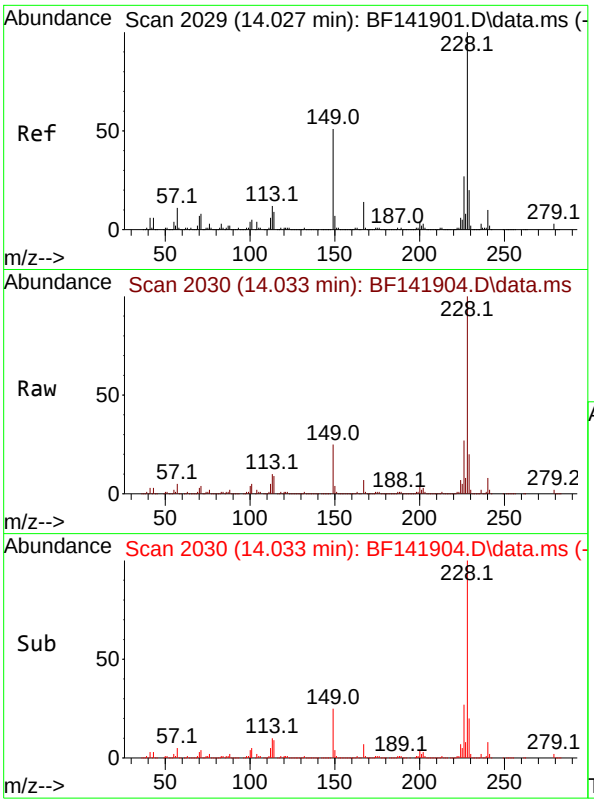



#80
Butylbenzylphthalate
Concen: 80.189 ng
RT: 13.463 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:149 Resp: 1149989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 71.4 | 56.5 | 84.7 |
| 206 | 21.7 | 17.3 | 25.9 |

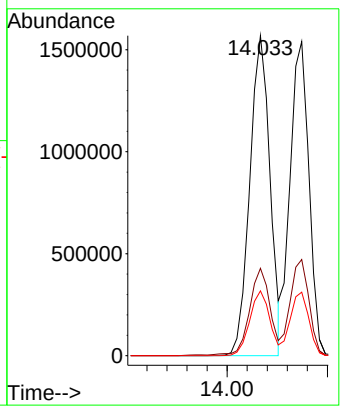





#81
Benzo(a)anthracene
Concen: 78.692 ng
RT: 14.033 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:228 Resp: 219693

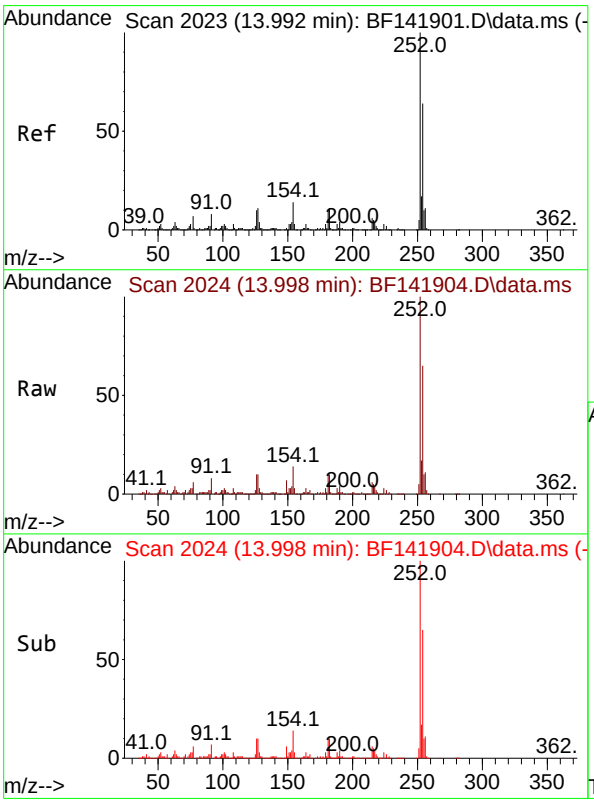
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.3 | 21.8 | 32.8 |
| 229 | 20.3 | 16.0 | 24.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

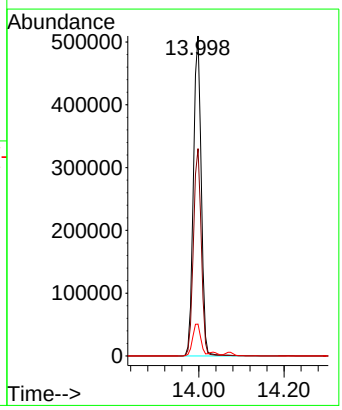
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

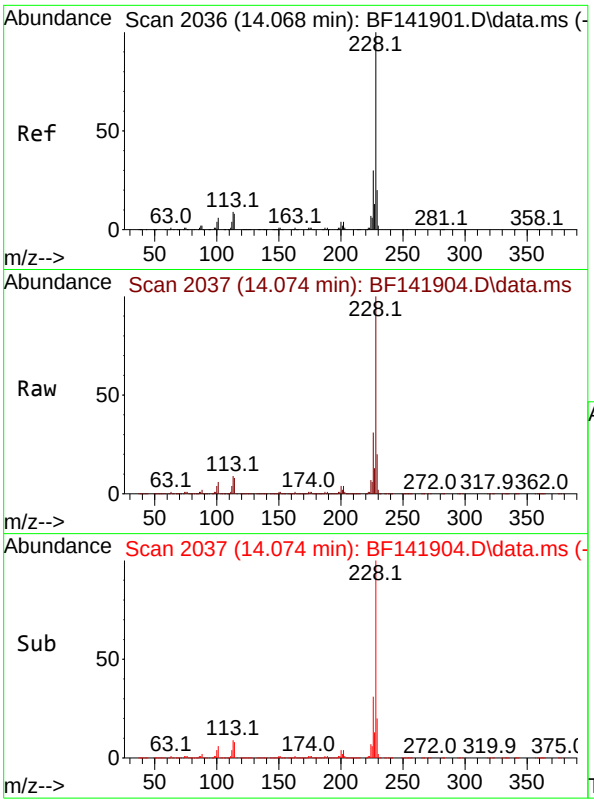



#82
3,3'-Dichlorobenzidine
Concen: 80.884 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:252 Resp: 652678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.8 | 51.0 | 76.6 |
| 126 | 9.9 | 8.4 | 12.6 |






#83
Chrysene
Concen: 80.498 ng
RT: 14.074 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

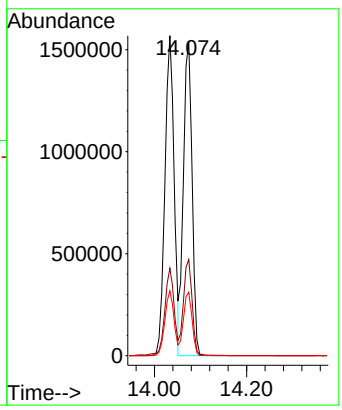
**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

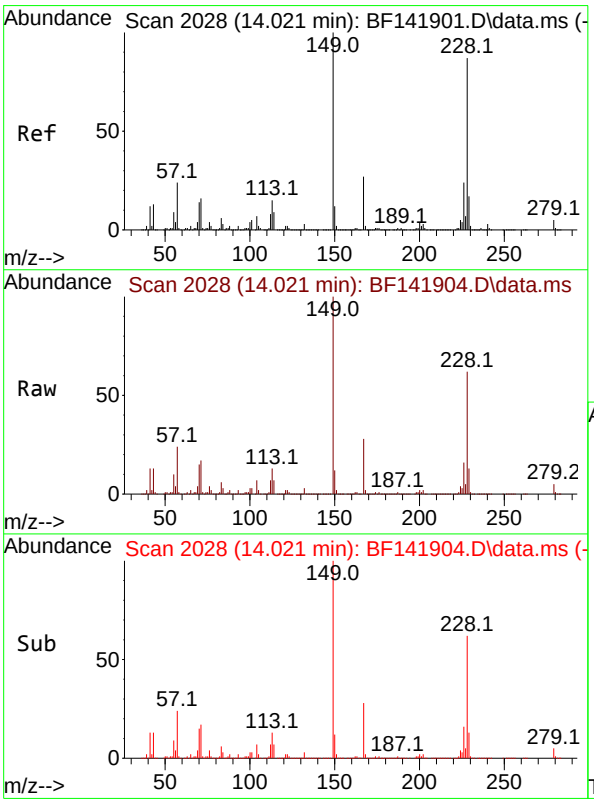
Tgt Ion:228 Resp: 201883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.6 | 24.1 | 36.1 |
| 229 | 20.2 | 15.7 | 23.5 |

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

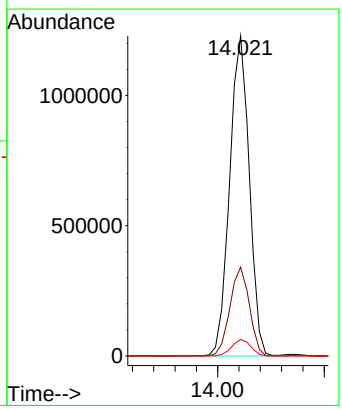


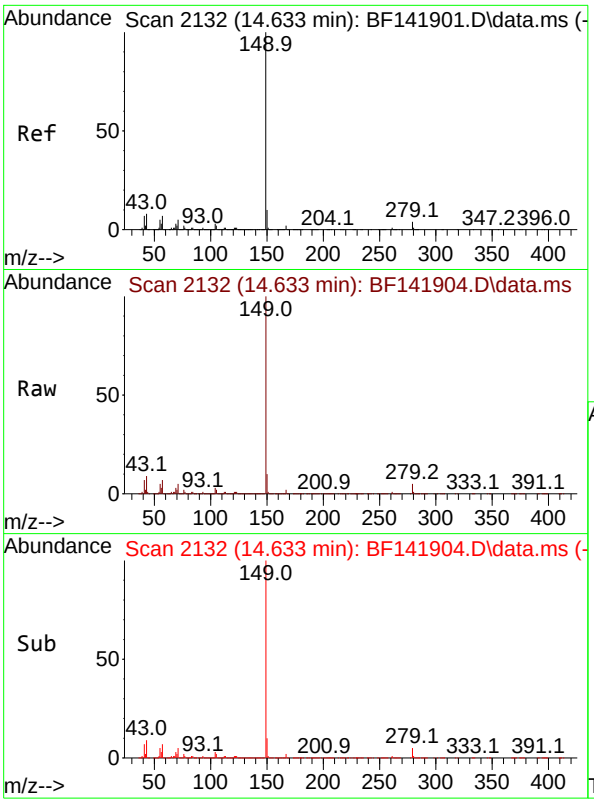




#84
Bis(2-ethylhexyl)phthalate
Concen: 79.962 ng
RT: 14.021 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:149 Resp: 1573231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.7 | 21.4 | 32.0 |
| 279 | 5.2 | 3.8 | 5.6 |

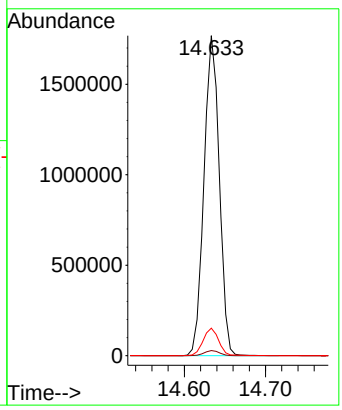





#85
Di-n-octyl phthalate
Concen: 84.386 ng
RT: 14.633 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:149 Resp: 231083

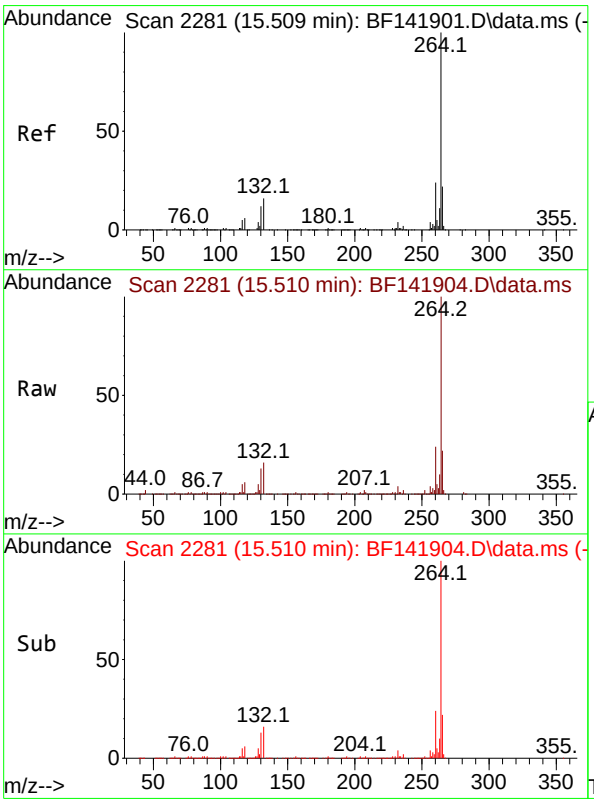
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 8.7 | 6.9 | 10.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

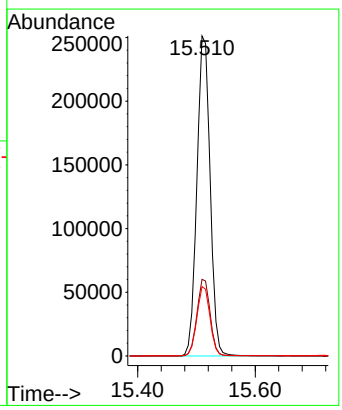
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

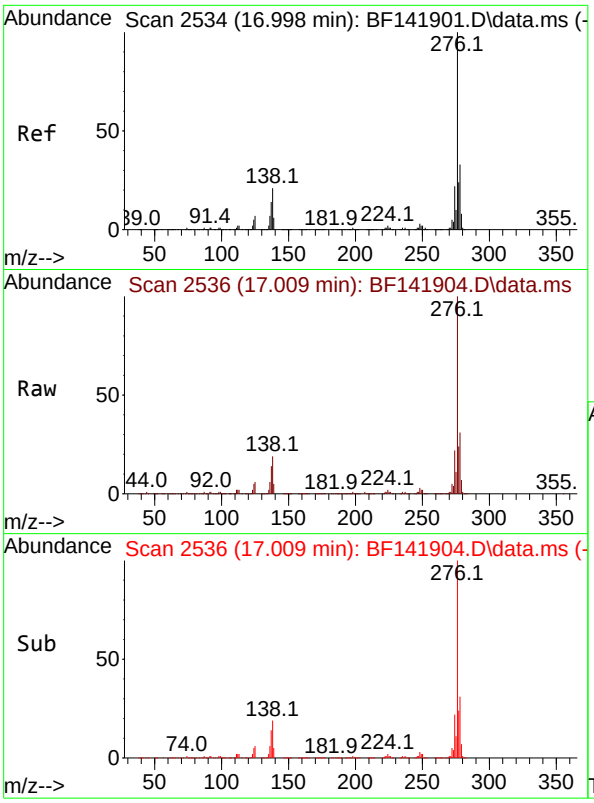



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:264 Resp: 391768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 19.1 | 28.7 |
| 265 | 21.7 | 17.5 | 26.3 |

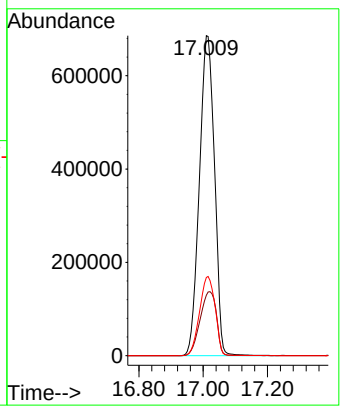





#87
Indeno(1,2,3-cd)pyrene
Concen: 88.111 ng
RT: 17.009 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:276 Resp: 223858

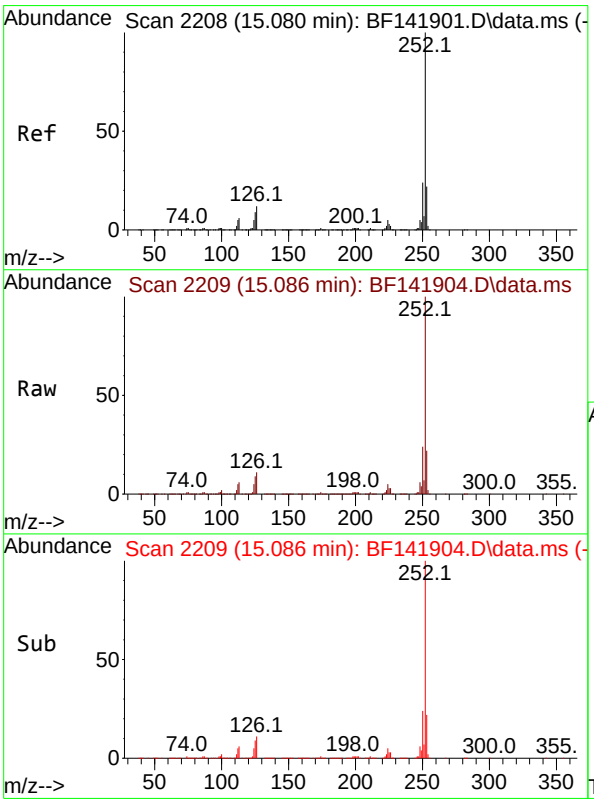
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.6 | 18.4 | 27.6 |
| 277 | 25.5 | 20.3 | 30.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

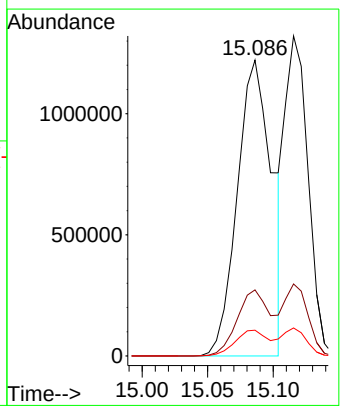
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

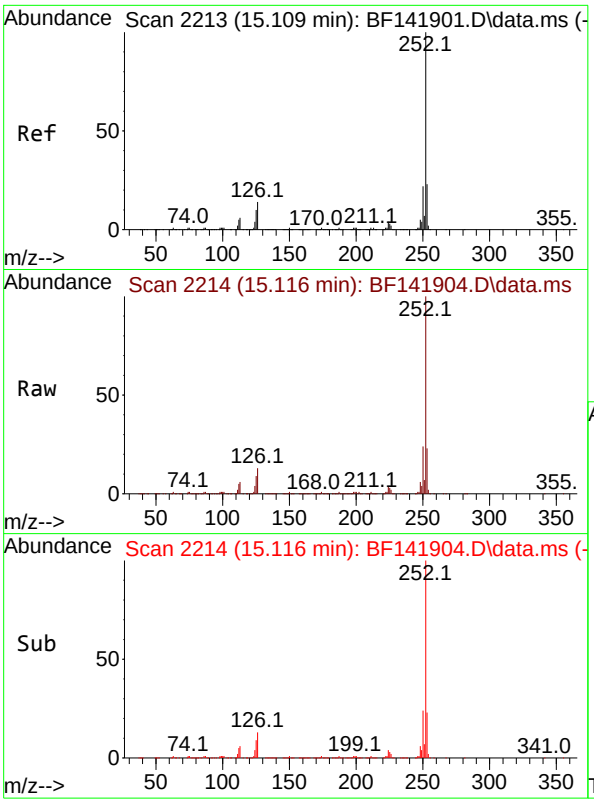



#88
Benzo(b)fluoranthene
Concen: 84.536 ng
RT: 15.086 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:252 Resp: 2246428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.5 | 26.3 |
| 125 | 8.7 | 7.0 | 10.4 |

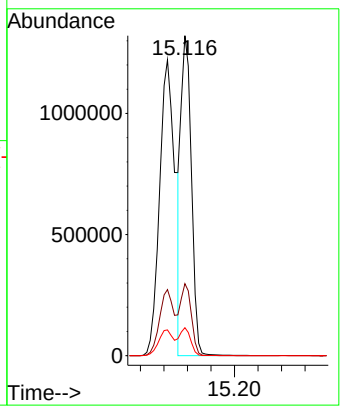





#89
Benzo(k)fluoranthene
Concen: 70.292 ng
RT: 15.116 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:252 Resp: 163167

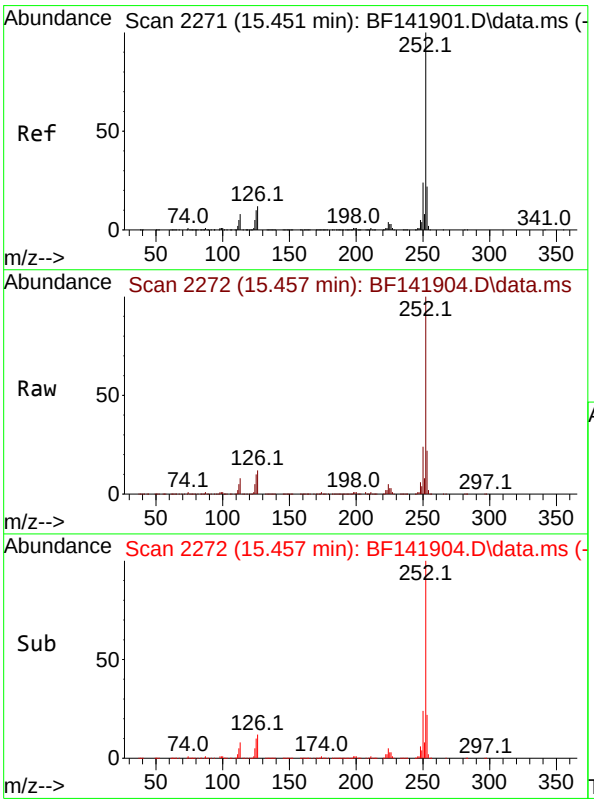
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 17.7 | 26.5 |
| 125 | 8.8 | 7.2 | 10.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

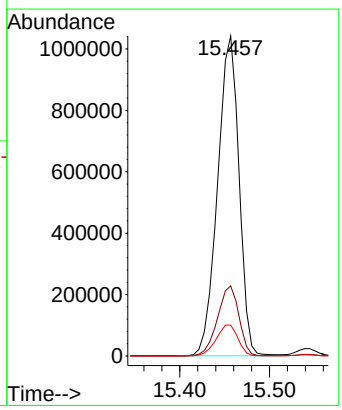
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

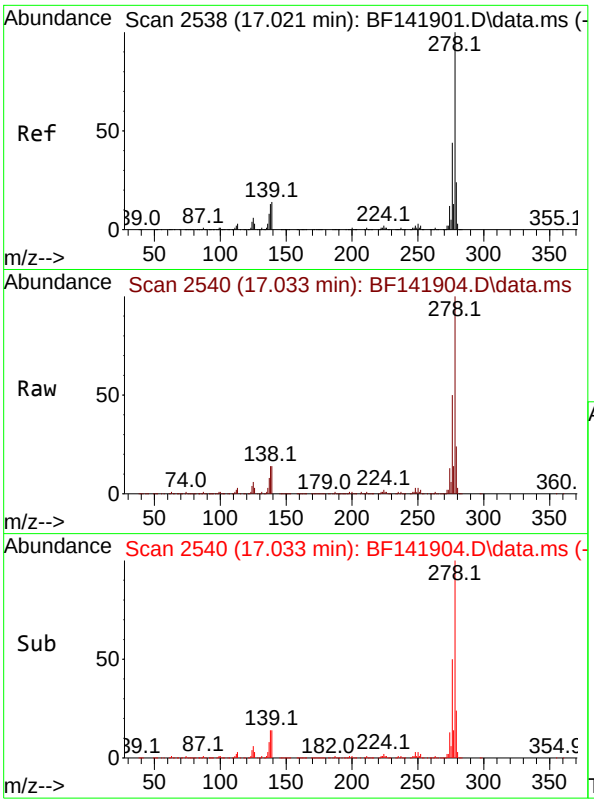



#90
Benzo(a)pyrene
Concen: 82.339 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:252 Resp: 1725632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.4 | 26.0 |
| 125 | 9.7 | 7.8 | 11.8 |

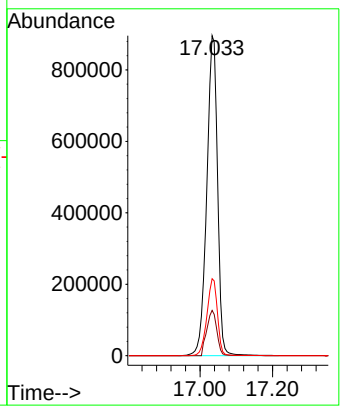





#91
Dibenzo(a,h)anthracene
Concen: 88.098 ng
RT: 17.033 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:278 Resp: 184677

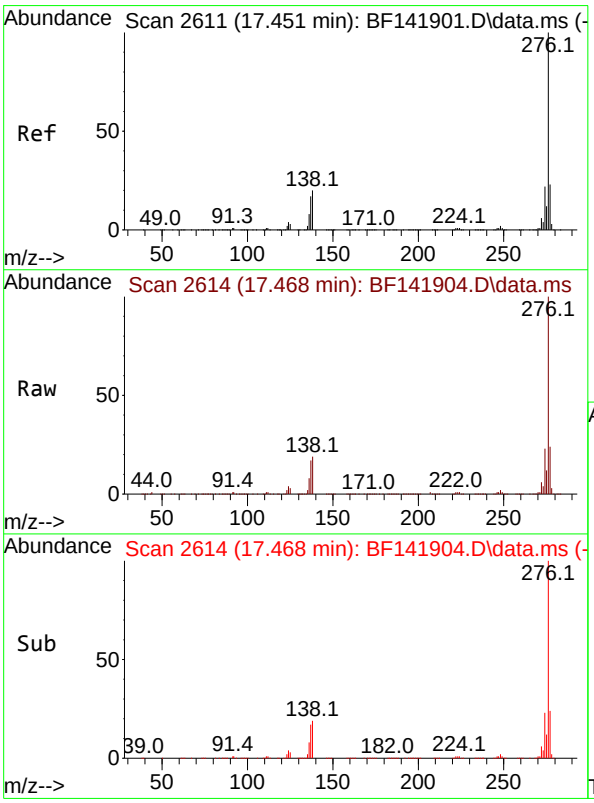
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.1 | 11.4 | 17.2 |
| 279 | 24.1 | 18.8 | 28.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations**
**APPROVED**

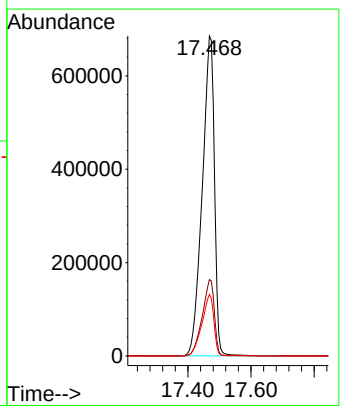
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025




#92
Benzo(g,h,i)perylene
Concen: 87.950 ng
RT: 17.468 min Scan# 2614
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:276 Resp: 1828662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 18.7 | 28.1 |
| 138 | 19.2 | 15.8 | 23.8 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141905.D
Acq On : 10 Mar 2025 15:20
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Quant Time: Mar 10 15:39:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 215017 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.163 | 136 | 877329 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.922 | 164 | 481971 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.404 | 188 | 811142 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.045 | 240 | 491943 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.509 | 264 | 413564 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.492 | 112 | 1249601 | 96.967 | ng | | 0.00 |
| 7) Phenol-d6 | 6.504 | 99 | 1594608 | 97.156 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.445 | 82 | 1507471 | 96.304 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.710 | 330 | 625035 | 102.342 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.239 | 172 | 3064989 | 96.836 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.992 | 244 | 3394803 | 102.007 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.675 | 88 | 266045 | 49.258 | ng | | 99 |
| 3) Pyridine | 3.434 | 79 | 646627 | 48.716 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.398 | 42 | 320008 | 50.718 | ng | | 99 |
| 6) Aniline | 6.545 | 93 | 775854 | 47.884 | ng | | 99 |
| 8) 2-Chlorophenol | 6.669 | 128 | 696154 | 48.738 | ng | | 100 |
| 9) Benzaldehyde | 6.434 | 77 | 418049 | 45.569 | ng | | 99 |
| 10) Phenol | 6.522 | 94 | 829086 | 47.876 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.616 | 93 | 631516 | 48.672 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 6.822 | 146 | 753352 | 48.807 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.898 | 146 | 756875 | 48.465 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 7.051 | 146 | 706635 | 48.049 | ng | | 100 |
| 15) Benzyl Alcohol | 7.022 | 79 | 652454 | 49.113 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157 | 45 | 745710 | 47.687 | ng | | 100 |
| 17) 2-Methylphenol | 7.128 | 107 | 557981 | 49.153 | ng | | 99 |
| 18) Hexachloroethane | 7.392 | 117 | 290127 | 49.551 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.298 | 70 | 505166 | 47.887 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.286 | 107 | 704563 | 48.388 | ng | # | 86 |
| 22) Acetophenone | 7.292 | 105 | 987577 | 46.924 | ng | | 97 |
| 24) Nitrobenzene | 7.463 | 77 | 752936 | 48.514 | ng | | 99 |
| 25) Isophorone | 7.704 | 82 | 1327254 | 48.027 | ng | | 99 |
| 26) 2-Nitrophenol | 7.781 | 139 | 392772 | 51.644 | ng | | 100 |
| 27) 2,4-Dimethylphenol | 7.810 | 122 | 510395 | 48.725 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.910 | 93 | 826776 | 47.757 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.016 | 162 | 647319 | 49.793 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.104 | 180 | 697274 | 48.617 | ng | | 99 |
| 31) Naphthalene | 8.186 | 128 | 2196111 | 48.863 | ng | | 100 |
| 32) Benzoic acid | 7.939 | 122 | 500593 | 54.676 | ng | | 100 |
| 33) 4-Chloroaniline | 8.233 | 127 | 775699 | 48.909 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.304 | 225 | 469787 | 50.376 | ng | | 99 |
| 35) Caprolactam | 8.616 | 113 | 193267 | 48.891 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 8.710 | 107 | 721800 | 49.925 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.875 | 142 | 1436485 | 47.638 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.975 | 142 | 1357356 | 46.482 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.039 | 216 | 719431 | 48.955 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.027 | 237 | 284968 | 49.142 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.151 | 196 | 481782 | 50.291 | ng | | 99 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141905.D
Acq On : 10 Mar 2025 15:20
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Quant Time: Mar 10 15:39:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.186 | 196 | 482570 | 49.580 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.339 | 154 | 1809746 | 49.526 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.369 | 162 | 1360528 | 49.960 | ng | | 99 |
| 48) 2-Nitroaniline | 9.457 | 65 | 429111 | 54.854 | ng | | 97 |
| 49) Acenaphthylene | 9.780 | 152 | 2005538 | 49.674 | ng | | 100 |
| 50) Dimethylphthalate | 9.645 | 163 | 1716995 | 51.273 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.704 | 165 | 370368 | 53.184 | ng | | 96 |
| 52) Acenaphthene | 9.957 | 154 | 1377901 | 48.333 | ng | | 98 |
| 53) 3-Nitroaniline | 9.874 | 138 | 340633 | 47.638 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 9.975 | 184 | 184410 | 49.104 | ng | # | 58 |
| 55) Dibenzofuran | 10.127 | 168 | 1936780 | 47.647 | ng | | 99 |
| 56) 4-Nitrophenol | 10.022 | 139 | 276487 | 51.474 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 10.104 | 165 | 461276 | 50.321 | ng | | 97 |
| 58) Fluorene | 10.469 | 166 | 1497123 | 47.708 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232 | 438025 | 49.600 | ng | | 100 |
| 60) Diethylphthalate | 10.339 | 149 | 1635073 | 48.639 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204 | 799744 | 48.929 | ng | | 99 |
| 62) 4-Nitroaniline | 10.486 | 138 | 346378 | 49.990 | ng | | 99 |
| 63) Azobenzene | 10.622 | 77 | 1519356 | 48.653 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198 | 262910 | 54.673 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 10.580 | 169 | 1293745 | 49.373 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.951 | 248 | 532762 | 52.740 | ng | | 97 |
| 68) Hexachlorobenzene | 11.016 | 284 | 573467 | 51.359 | ng | | 97 |
| 69) Atrazine | 11.104 | 200 | 418147 | 65.441 | ng | | 99 |
| 70) Pentachlorophenol | 11.204 | 266 | 365292 | 53.050 | ng | | 99 |
| 71) Phenanthrene | 11.433 | 178 | 2080633 | 47.434 | ng | | 100 |
| 72) Anthracene | 11.480 | 178 | 2081490 | 47.299 | ng | | 99 |
| 73) Carbazole | 11.633 | 167 | 1831424 | 48.338 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.963 | 149 | 2510447 | 50.185 | ng | | 99 |
| 75) Fluoranthene | 12.616 | 202 | 2328357 | 50.564 | ng | | 99 |
| 77) Benzidine | 12.733 | 184 | 270893 | 38.966 | ng | | 99 |
| 78) Pyrene | 12.845 | 202 | 2308671 | 54.723 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.463 | 149 | 864849 | 52.022 | ng | | 99 |
| 81) Benzo(a)anthracene | 14.033 | 228 | 1592035 | 49.192 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.992 | 252 | 449408 | 48.044 | ng | | 99 |
| 83) Chrysene | 14.068 | 228 | 1465389 | 50.404 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149 | 1203021 | 52.747 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.633 | 149 | 1692206 | 53.307 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 17.003 | 276 | 1366974 | 50.969 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.080 | 252 | 1392083 | 49.625 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.109 | 252 | 1167351 | 47.638 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.451 | 252 | 1119256 | 50.591 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.021 | 278 | 1131875 | 51.149 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.456 | 276 | 1099760 | 50.106 | ng | | 99 |

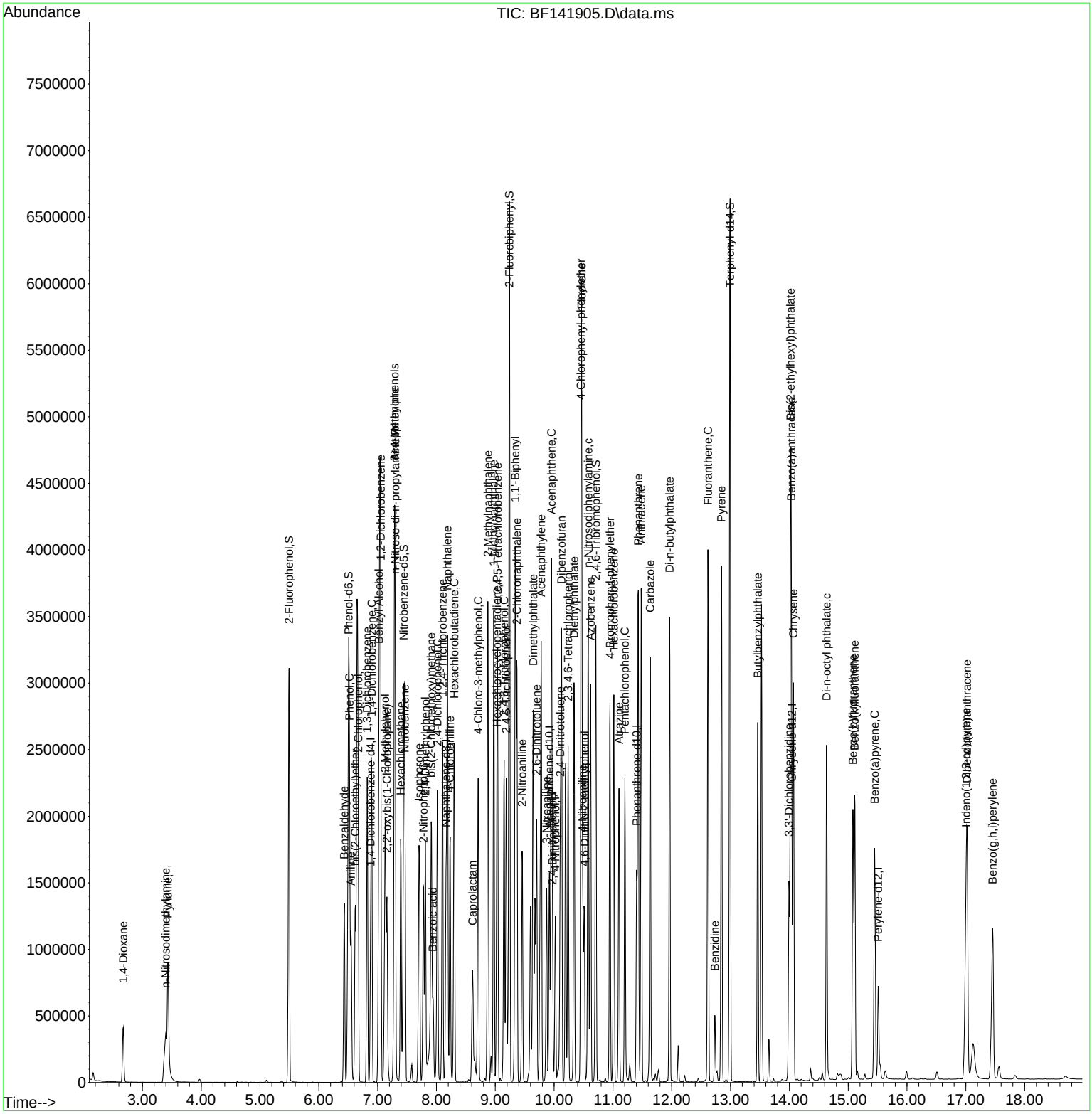
(#) = qualifier out of range (m) = manual integration (+) = signals summed

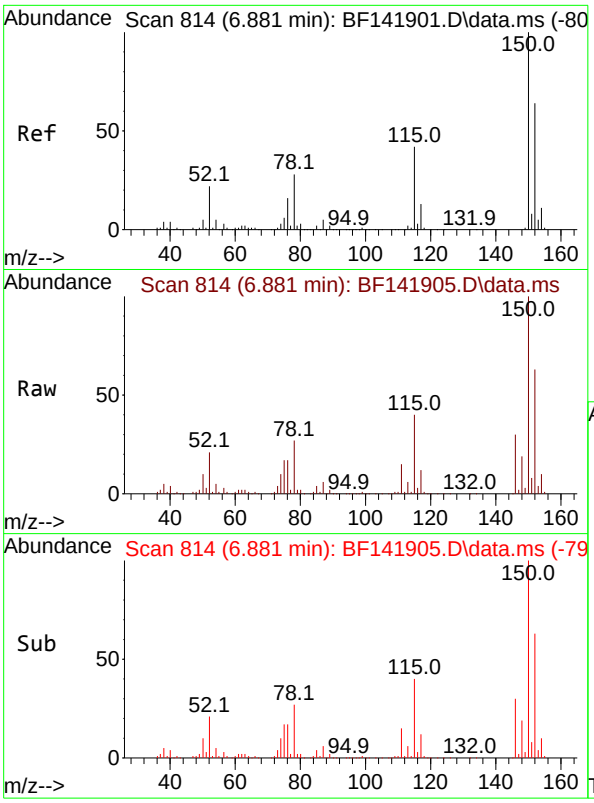
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141905.D
Acq On : 10 Mar 2025 15:20
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Quant Time: Mar 10 15:39:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



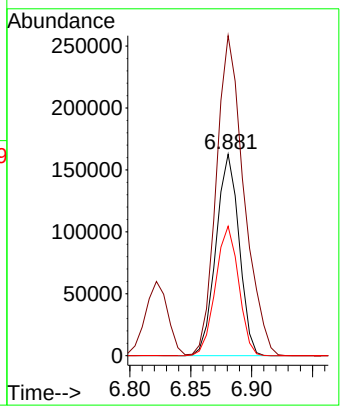


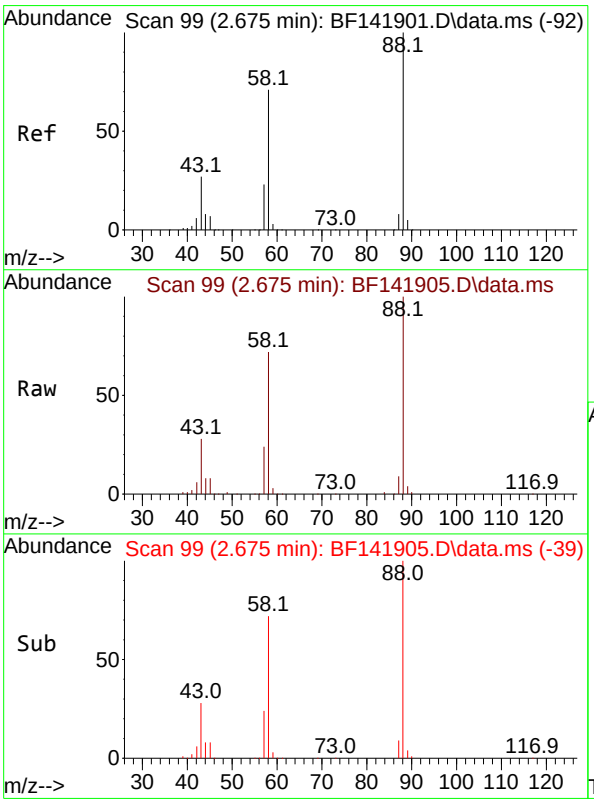

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:152 Resp: 215017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.8 | 127.4 | 191.2 |
| 115 | 64.3 | 51.9 | 77.9 |

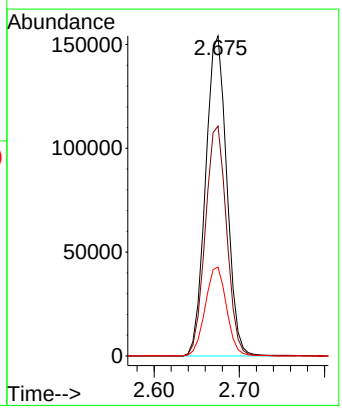


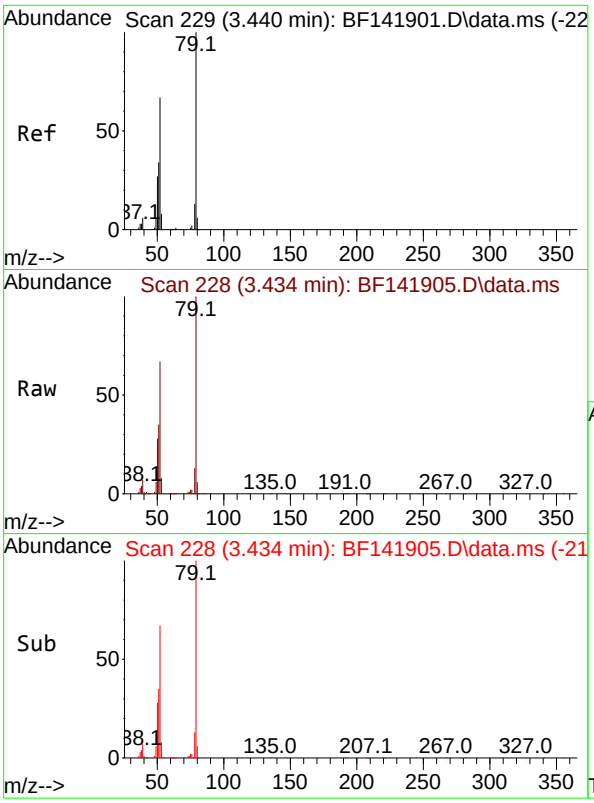




#2
1,4-Dioxane
Concen: 49.258 ng
RT: 2.675 min Scan# 99
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 88 Resp: 266045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 72.1 | 57.4 | 86.2 |
| 43 | 27.9 | 21.5 | 32.3 |



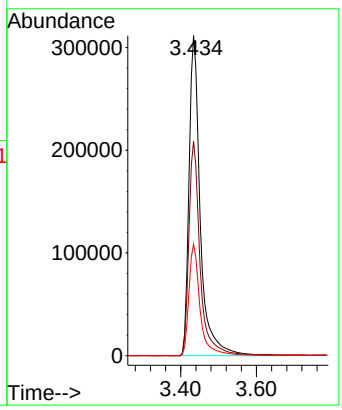


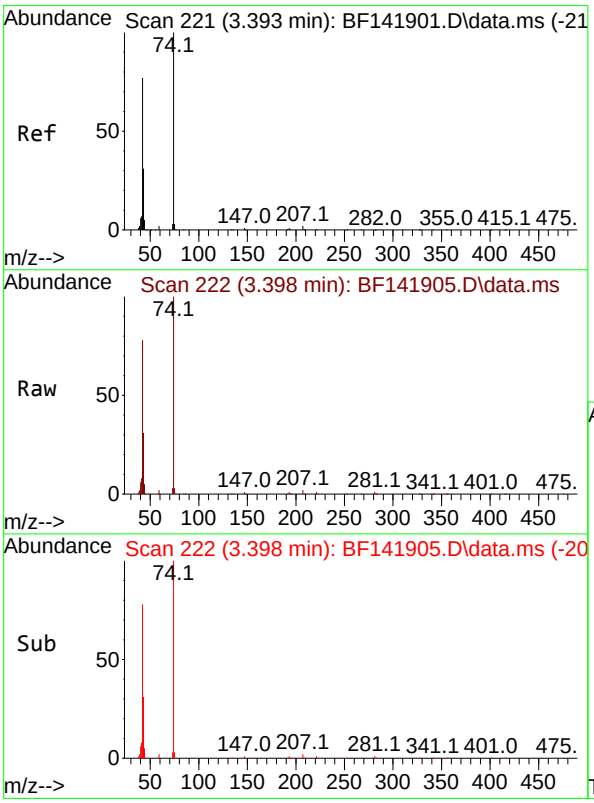

#3
Pyridine
Concen: 48.716 ng
RT: 3.434 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 79 Resp: 646627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 67.0 | 53.3 | 79.9 |
| 51 | 34.8 | 27.6 | 41.4 |

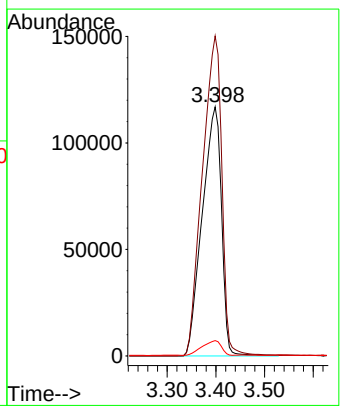


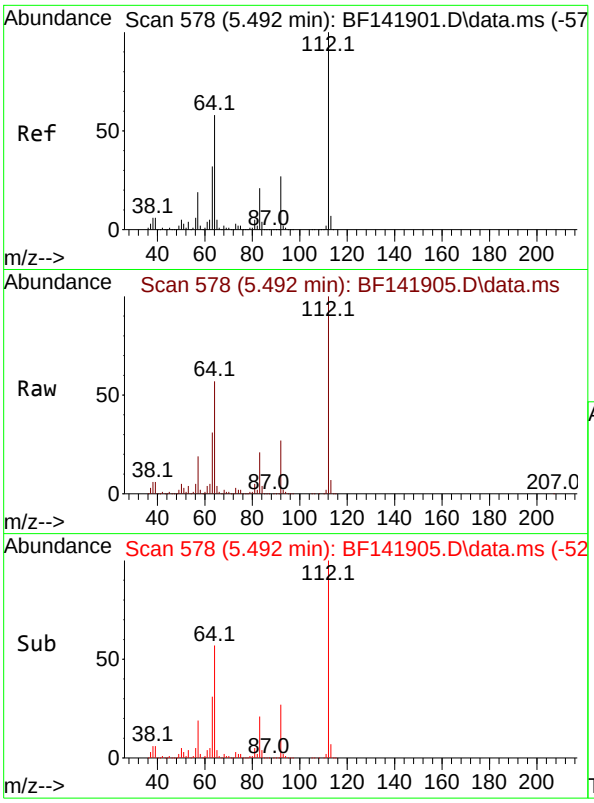




#4
n-Nitrosodimethylamine
Concen: 50.718 ng
RT: 3.398 min Scan# 222
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 42 Resp: 320008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 128.4 | 103.4 | 155.0 |
| 44 | 6.2 | 5.0 | 7.4 |



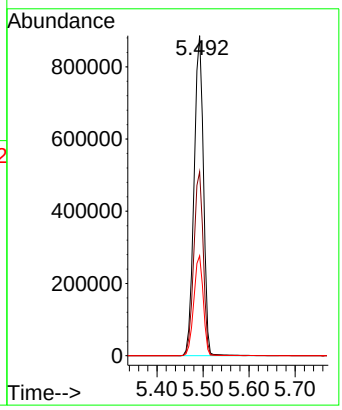


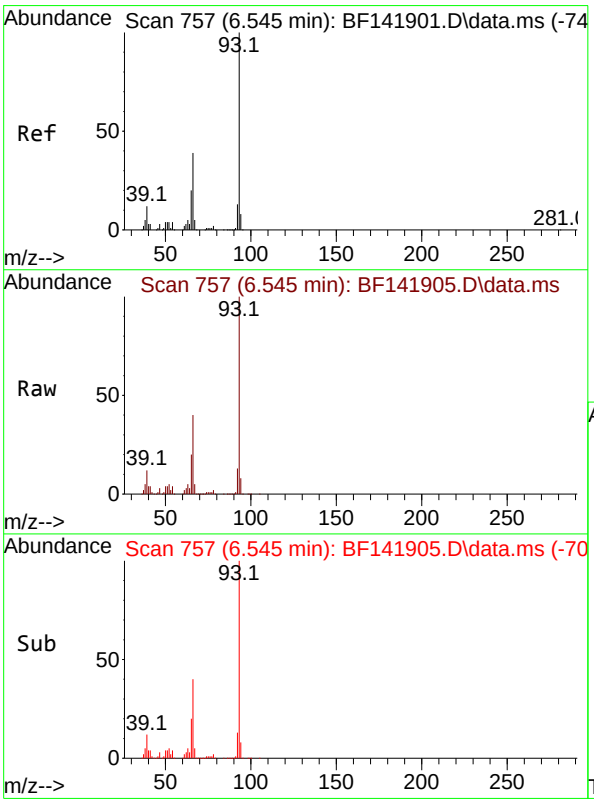

#5
2-Fluorophenol
Concen: 96.967 ng
RT: 5.492 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:112 Resp: 1249601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.5 | 46.5 | 69.7 |
| 63 | 31.2 | 25.4 | 38.2 |

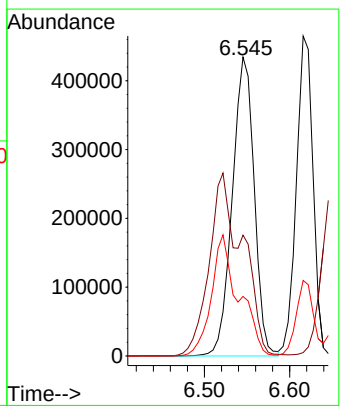


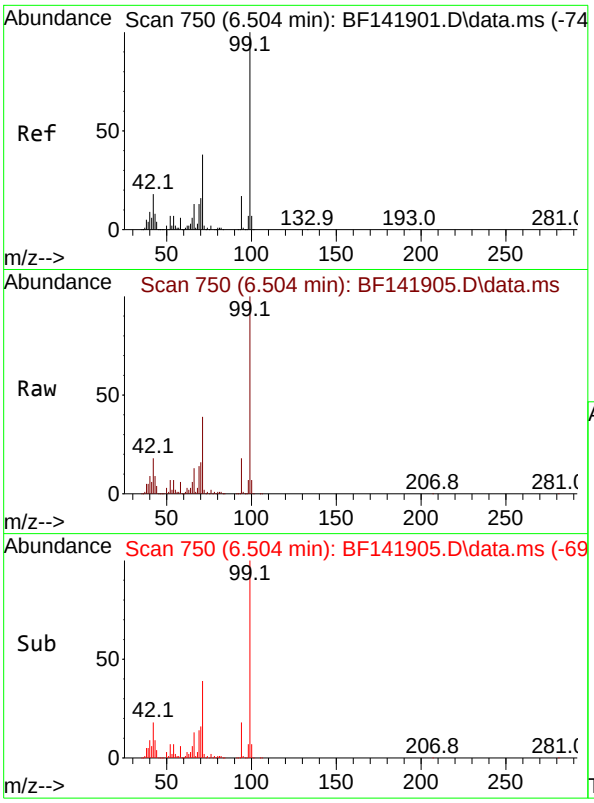




#6
Aniline
Concen: 47.884 ng
RT: 6.545 min Scan# 757
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 93 Resp: 775854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 40.4 | 31.9 | 47.9 |
| 65 | 19.9 | 15.8 | 23.6 |



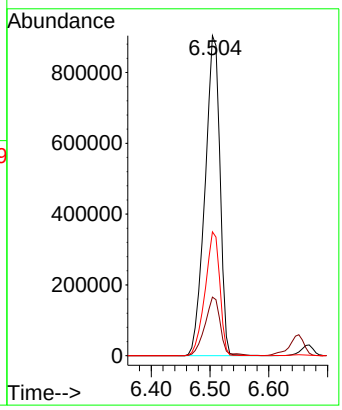


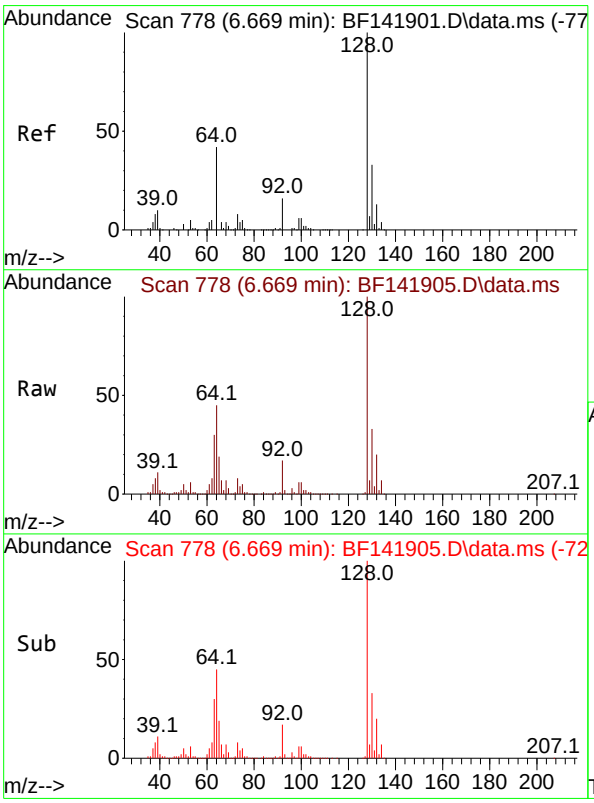

#7
Phenol-d6
Concen: 97.156 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 99 Resp: 1594608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.3 | 14.6 | 21.8 |
| 71 | 38.7 | 30.8 | 46.2 |

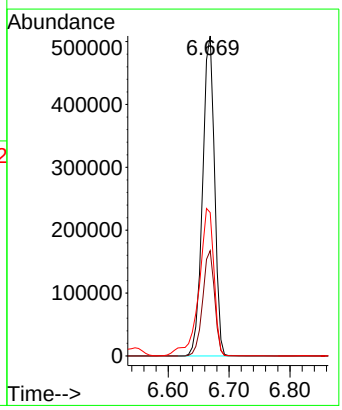


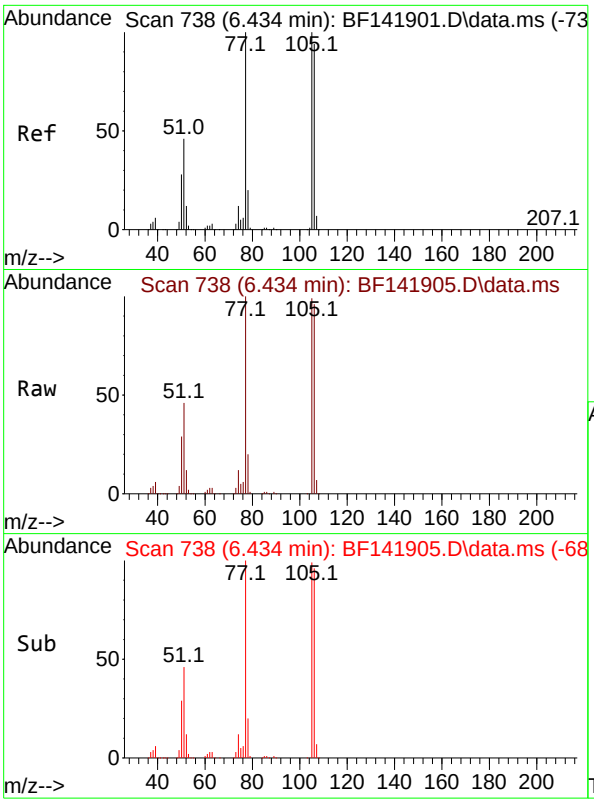




#8
2-Chlorophenol
Concen: 48.738 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:128 Resp: 696154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.9 | 12.8 | 52.8 |
| 64 | 44.8 | 24.4 | 64.4 |



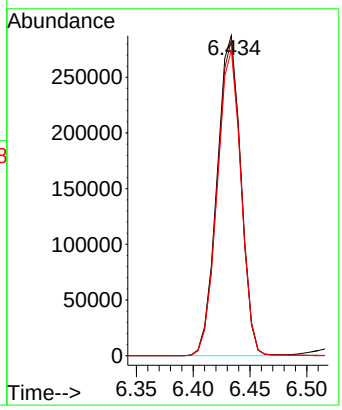


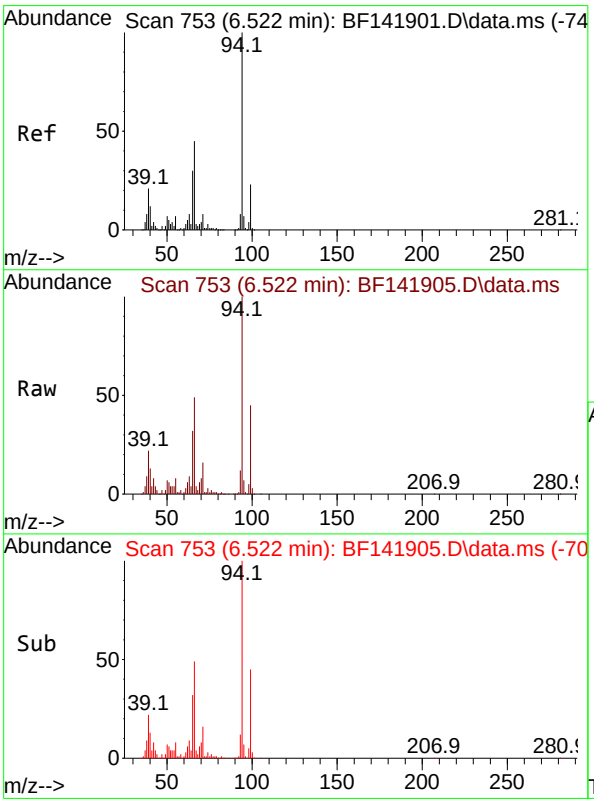

#9
Benzaldehyde
Concen: 45.569 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 77 Resp: 418049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 98.6 | 80.0 | 120.0 |
| 106 | 95.5 | 74.5 | 114.5 |

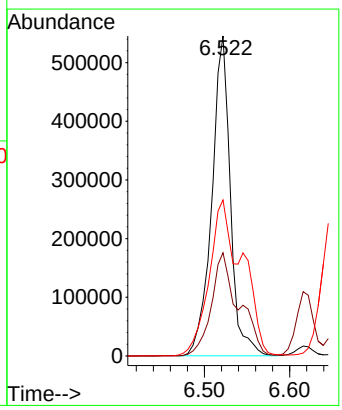


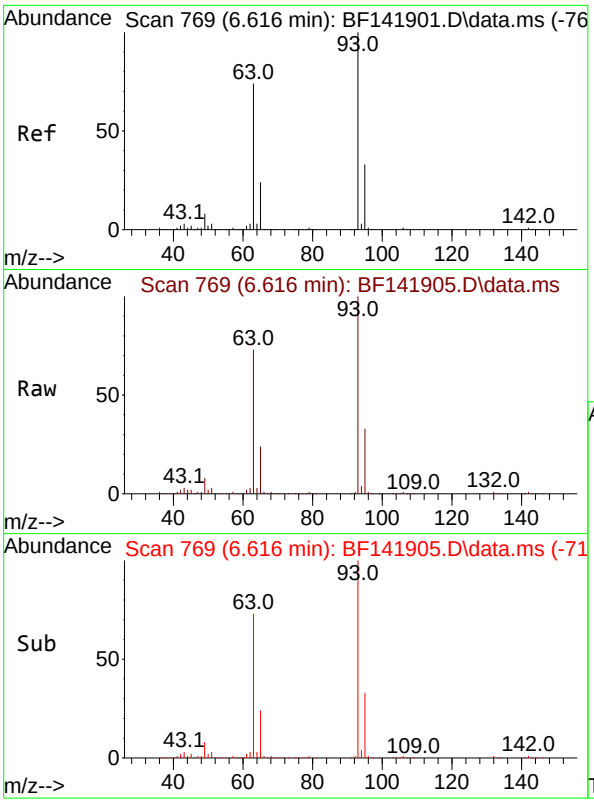




#10
Phenol
Concen: 47.876 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 94 Resp: 829086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 32.3 | 10.5 | 50.5 |
| 66 | 48.7 | 25.8 | 65.8 |



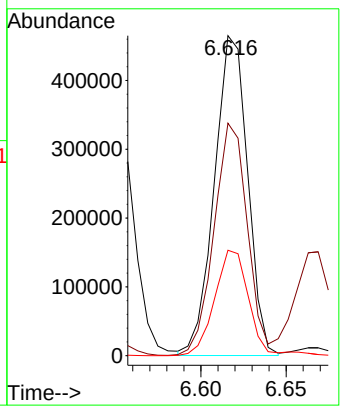


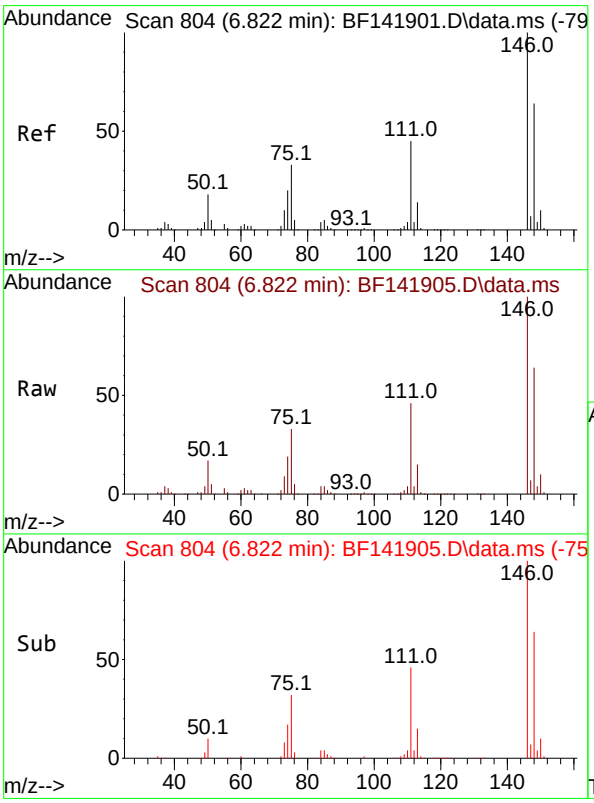

#11
bis(2-Chloroethyl)ether
Concen: 48.672 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 93 Resp: 631516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 72.7 | 53.0 | 93.0 |
| 95 | 33.0 | 12.9 | 52.9 |

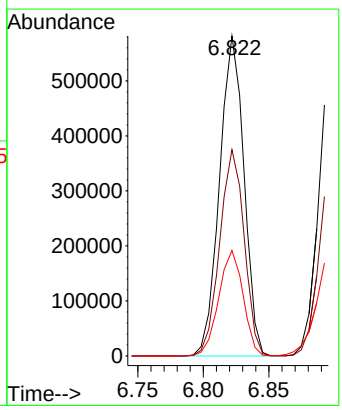


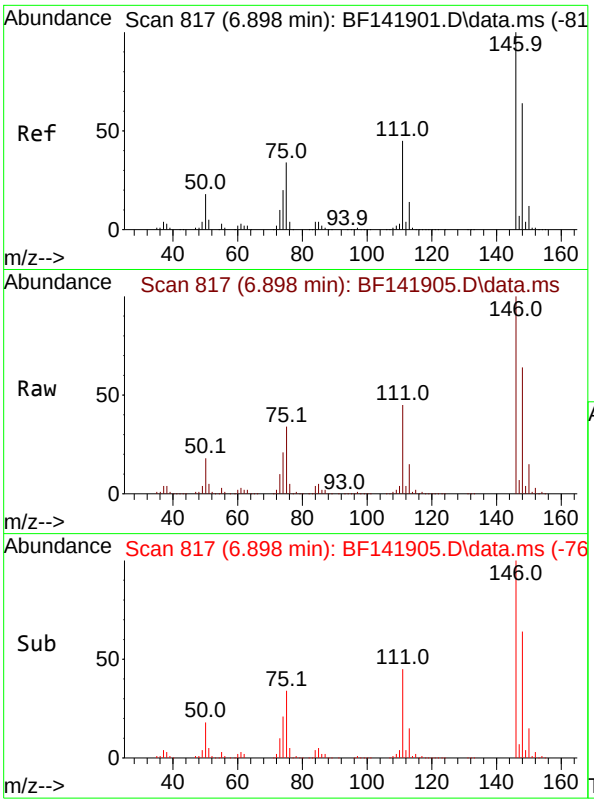




#12
1,3-Dichlorobenzene
Concen: 48.807 ng
RT: 6.822 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:146 Resp: 753352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.5 | 51.3 | 76.9 |
| 75 | 32.9 | 26.6 | 40.0 |



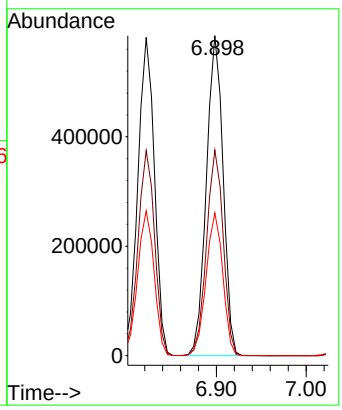


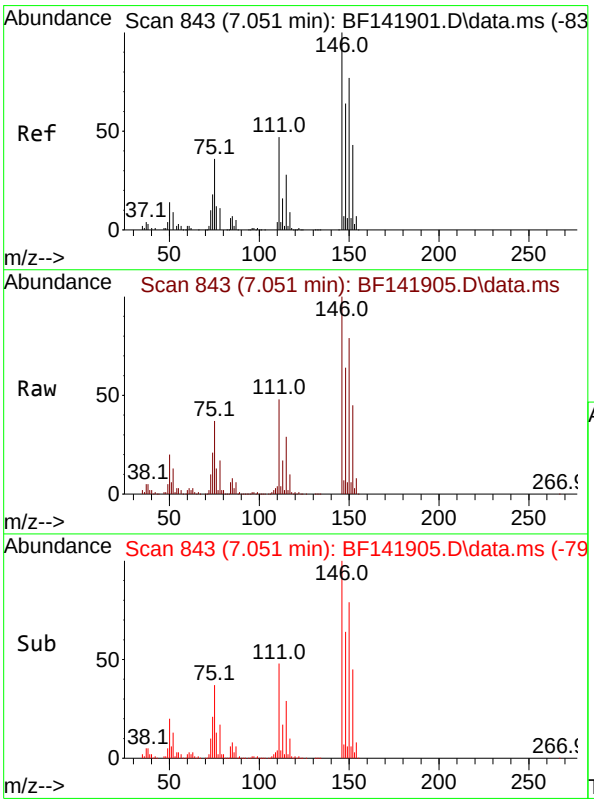

#13
1,4-Dichlorobenzene
Concen: 48.465 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:146 Resp: 756875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.0 | 76.6 |
| 111 | 44.6 | 35.7 | 53.5 |

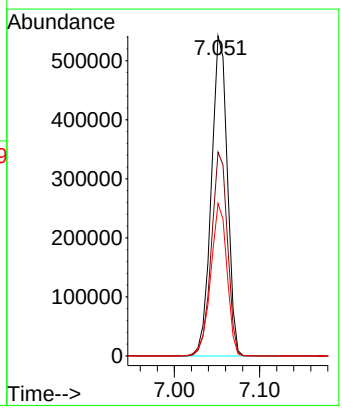


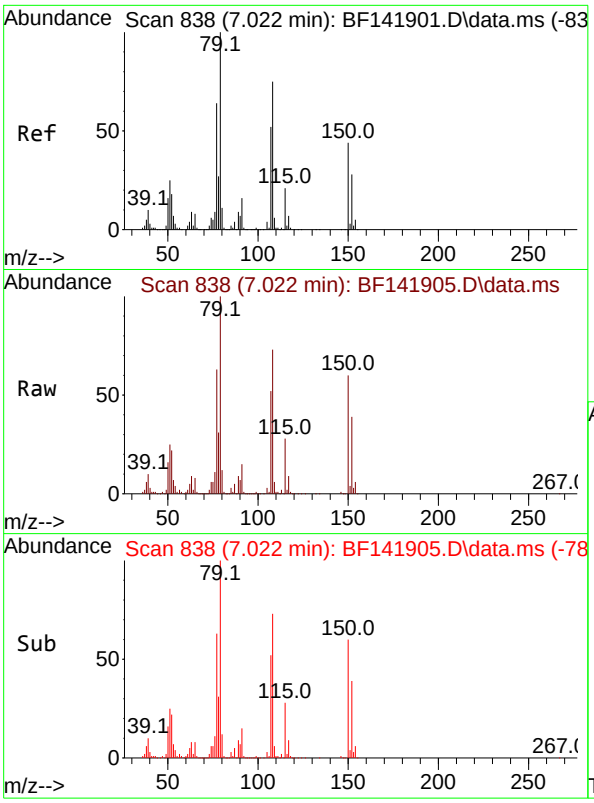




#14
1,2-Dichlorobenzene
Concen: 48.049 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:146 Resp: 706635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.7 | 50.8 | 76.2 |
| 111 | 47.6 | 38.0 | 57.0 |



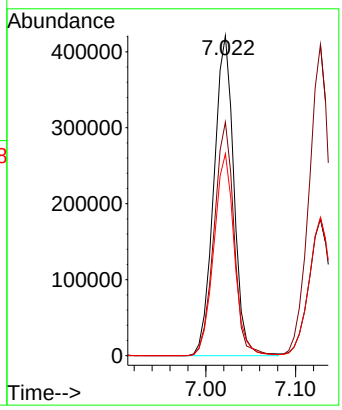


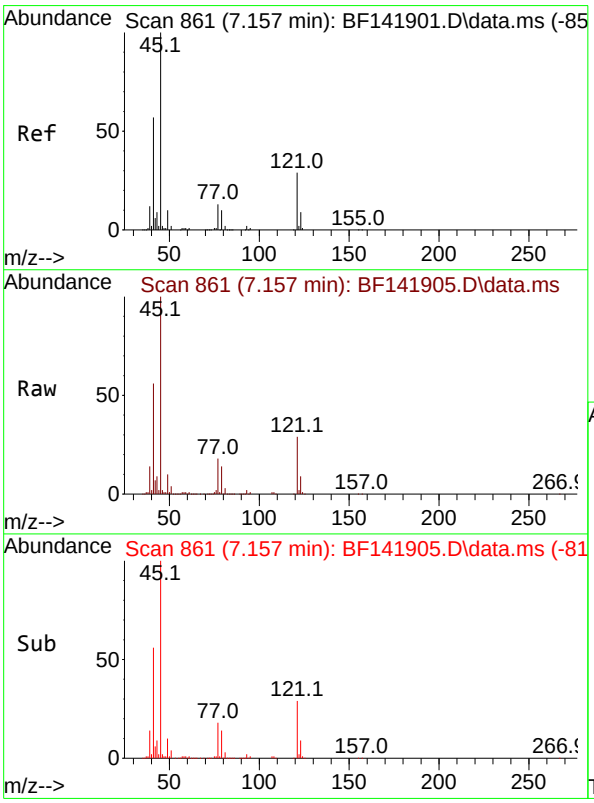

#15
Benzyl Alcohol
Concen: 49.113 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 79 Resp: 652454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 73.0 | 59.7 | 89.5 |
| 77 | 63.1 | 51.0 | 76.6 |

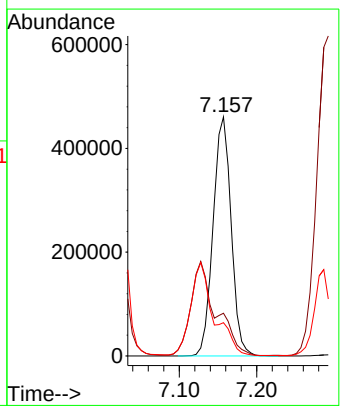


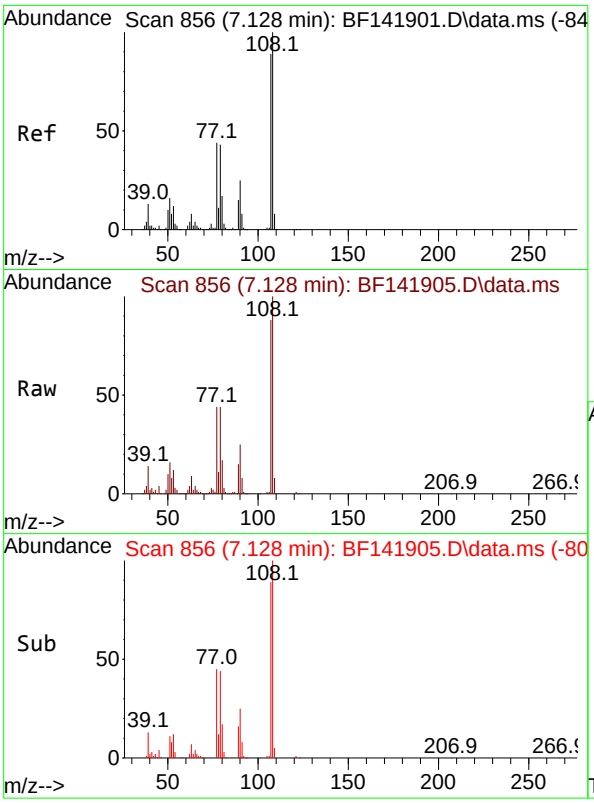




#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.687 ng
RT: 7.157 min Scan# 861
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 45 Resp: 745710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 17.9 | 0.0 | 37.8 |
| 79 | 14.0 | 0.0 | 34.2 |



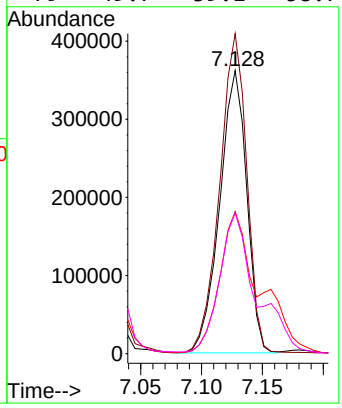


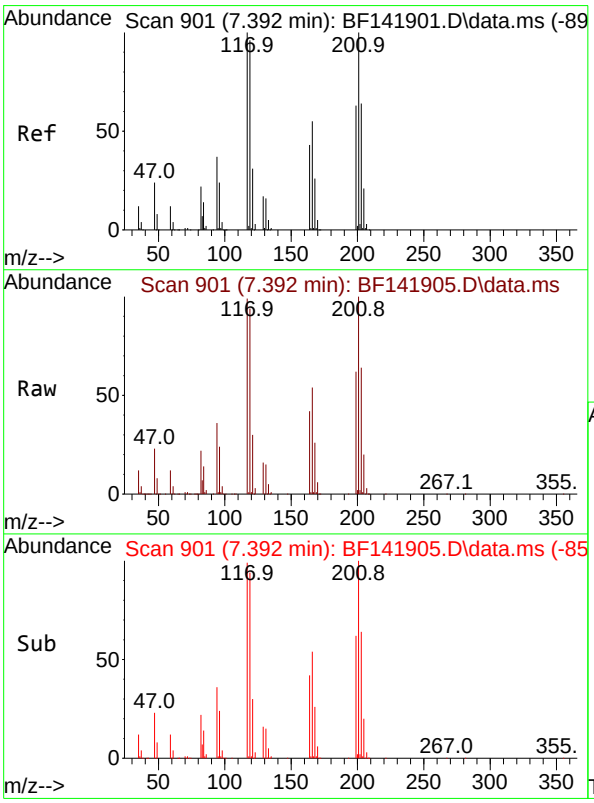

#17
2-Methylphenol
Concen: 49.153 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:107 Resp: 557981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.1 | 90.2 | 135.2 |
| 77 | 50.3 | 39.6 | 59.4 |
| 79 | 49.7 | 39.1 | 58.7 |

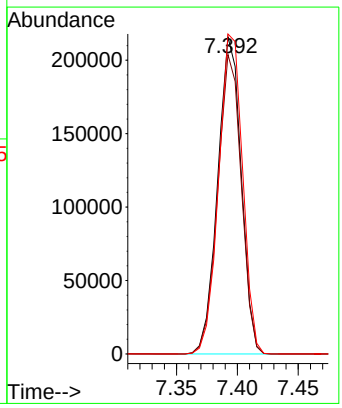


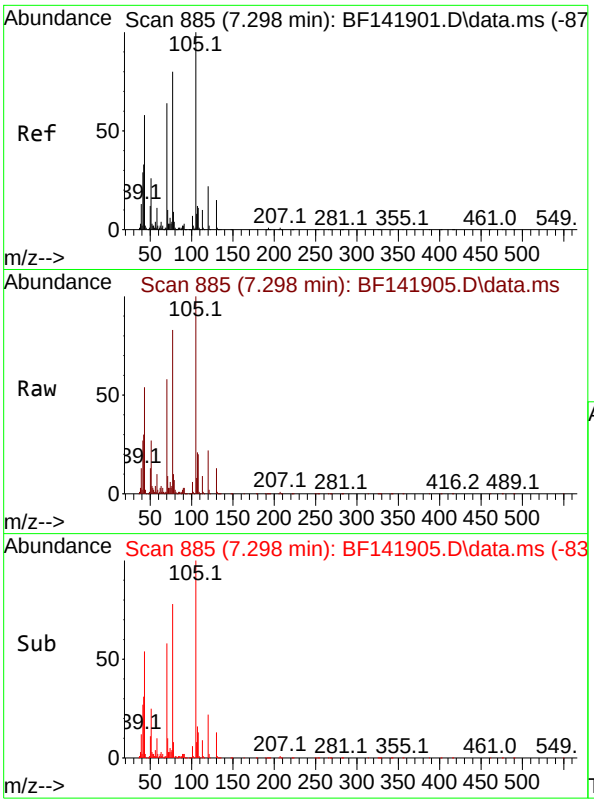




#18
Hexachloroethane
Concen: 49.551 ng
RT: 7.392 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:117 Resp: 290127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.5 | 76.9 | 115.3 |
| 201 | 100.9 | 79.9 | 119.9 |



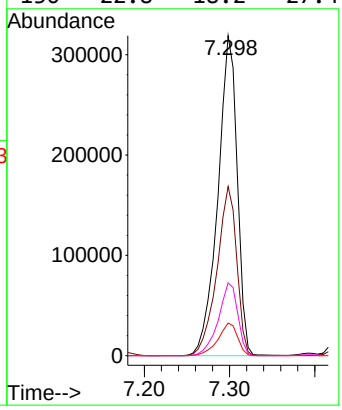


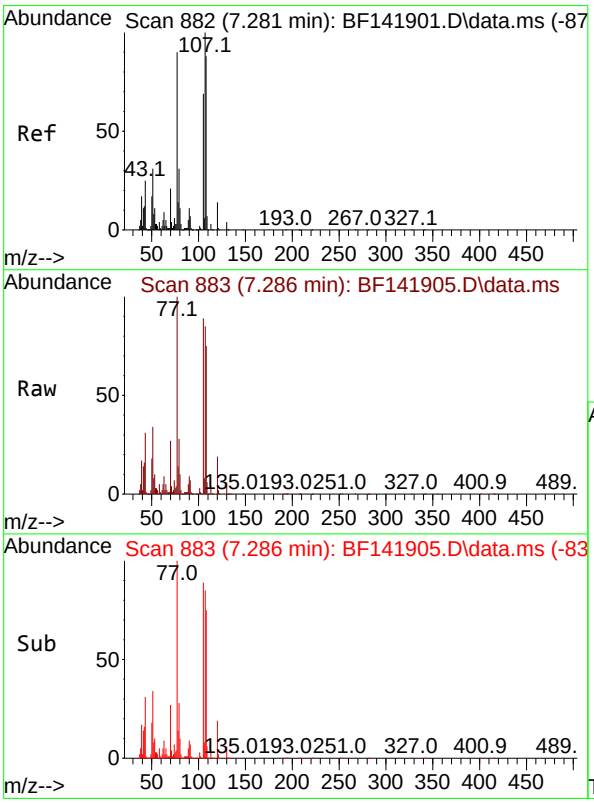

#19
n-Nitroso-di-n-propylamine
Concen: 47.887 ng
RT: 7.298 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 70 Resp: 505166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 52.8 | 41.4 | 62.0 |
| 101 | 10.2 | 8.2 | 12.2 |
| 130 | 22.8 | 18.2 | 27.4 |

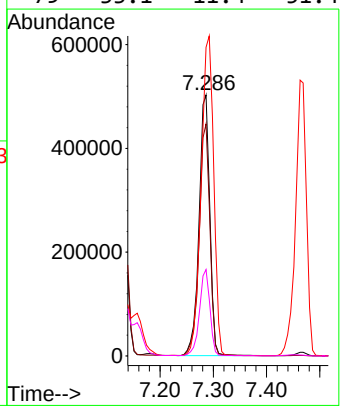


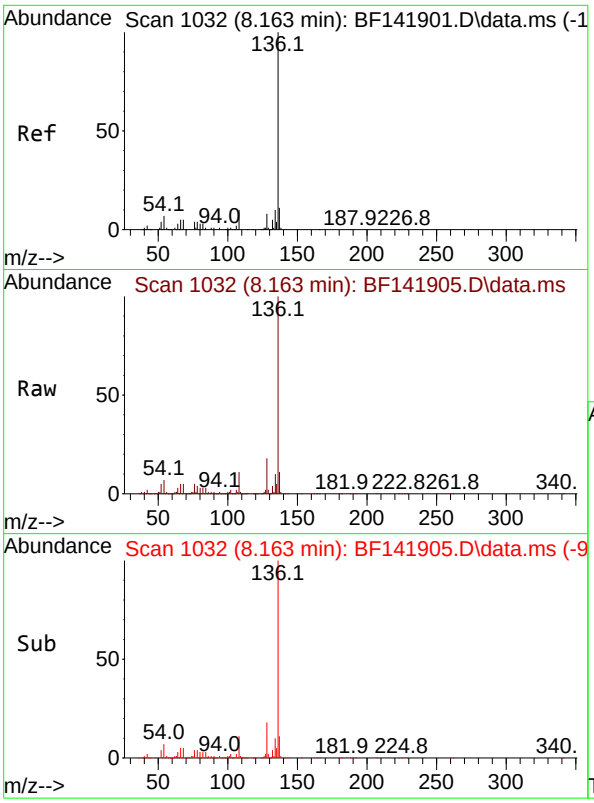




#20
3+4-Methylphenols
Concen: 48.388 ng
RT: 7.286 min Scan# 883
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:107 Resp: 704563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.9 | 68.4 | 108.4 |
| 77 | 118.3 | 69.7 | 109.7# |
| 79 | 33.1 | 11.4 | 51.4 |



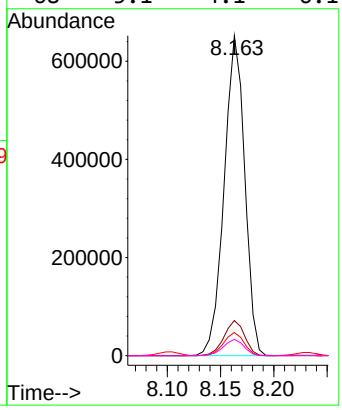


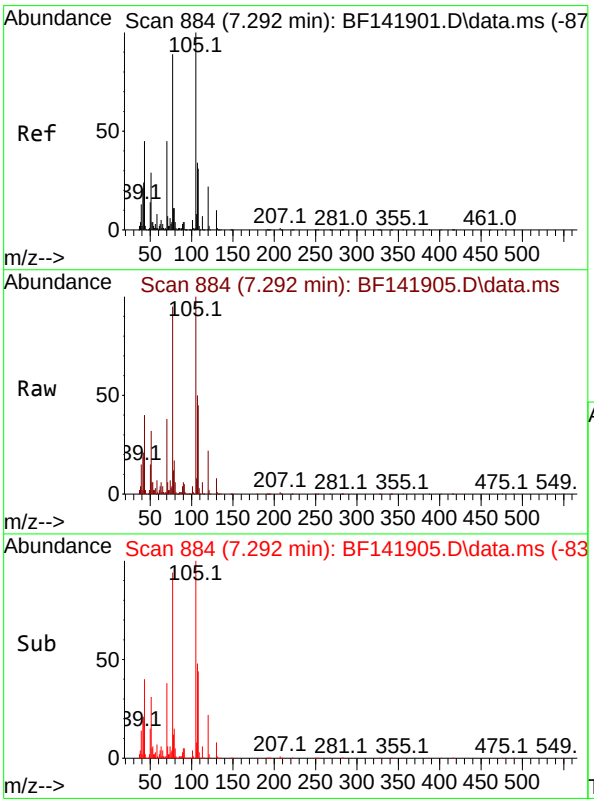

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:136 Resp: 877329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.8 | 13.2 |
| 54 | 7.2 | 5.8 | 8.8 |
| 68 | 5.1 | 4.1 | 6.1 |

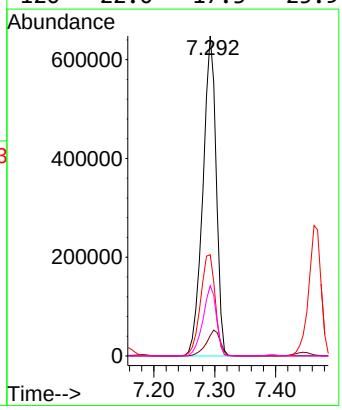


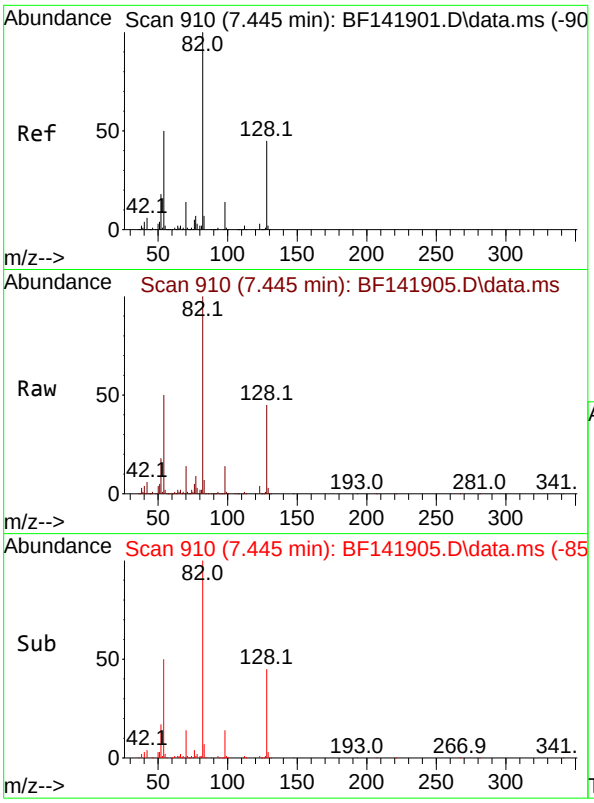




#22
Acetophenone
Concen: 46.924 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:105 Resp: 987577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.3 | 5.8 | 8.8 |
| 51 | 31.7 | 23.4 | 35.0 |
| 120 | 22.0 | 17.3 | 25.9 |



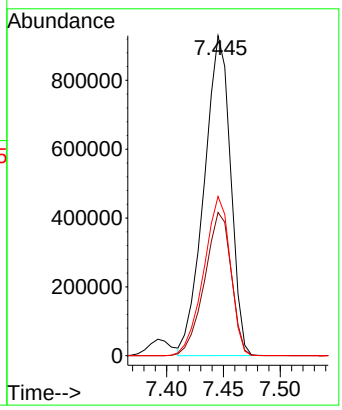


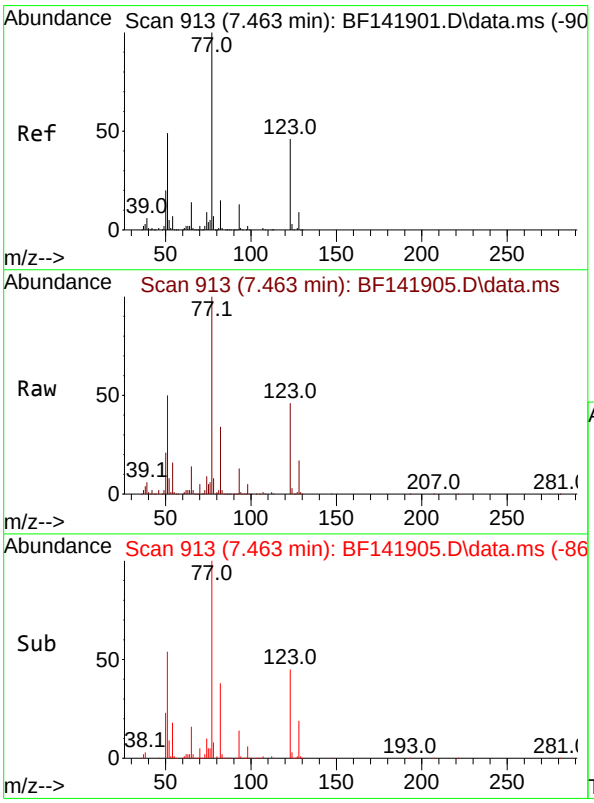

#23
Nitrobenzene-d5
Concen: 96.304 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 82 Resp: 1507471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.8 | 36.0 | 54.0 |
| 54 | 49.8 | 39.6 | 59.4 |

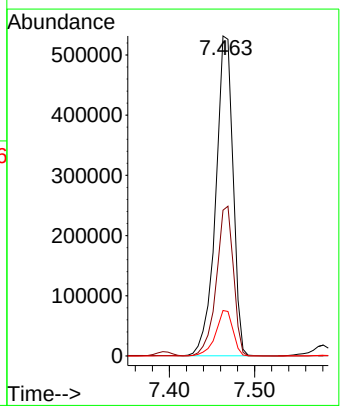


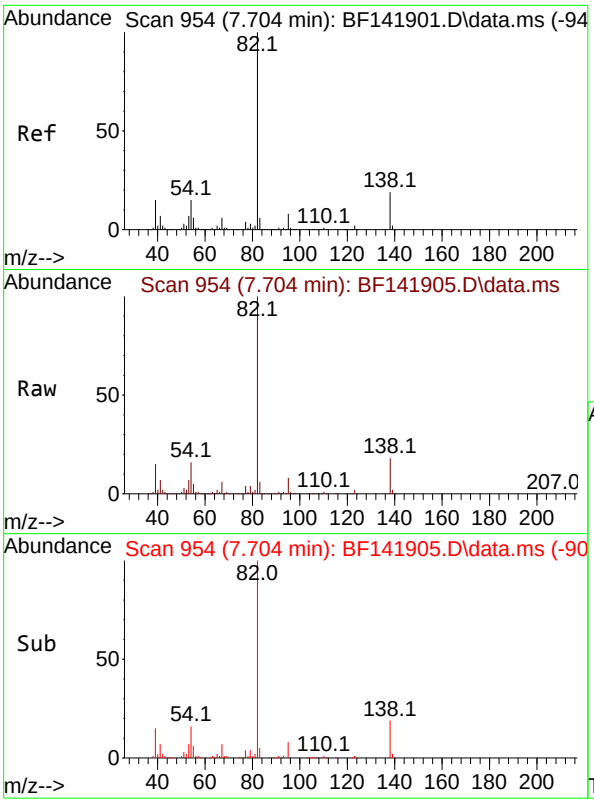




#24
Nitrobenzene
Concen: 48.514 ng
RT: 7.463 min Scan# 913
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 77 Resp: 752936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 45.6 | 37.0 | 55.4 |
| 65 | 14.2 | 11.3 | 16.9 |



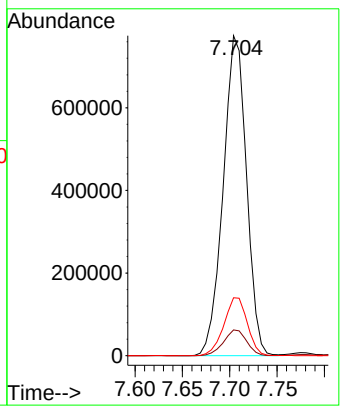


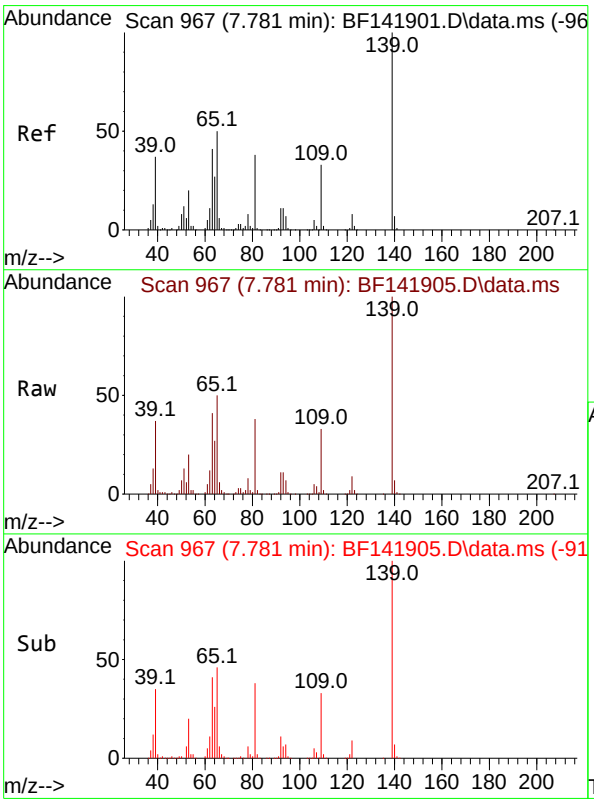

#25
Isophorone
Concen: 48.027 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 82 Resp: 1327254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.0 | 6.4 | 9.6 |
| 138 | 18.1 | 14.9 | 22.3 |

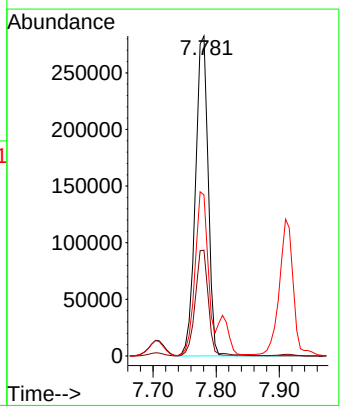


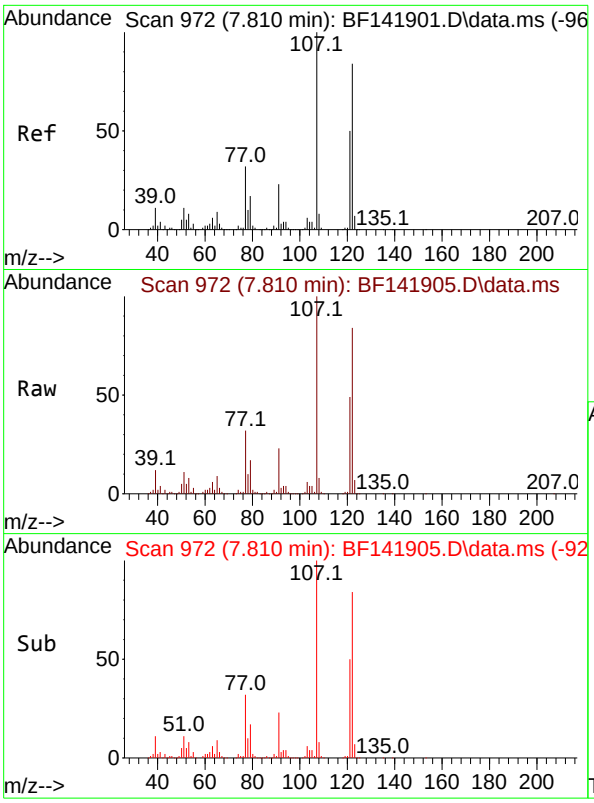




#26
2-Nitrophenol
Concen: 51.644 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:139 Resp: 392772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 33.1 | 26.5 | 39.7 |
| 65 | 50.4 | 40.3 | 60.5 |



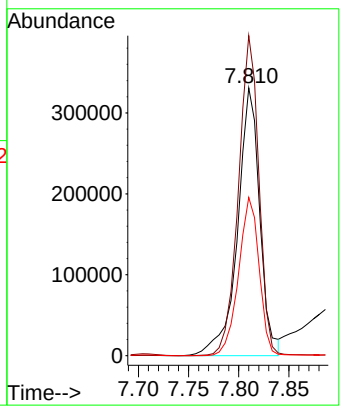


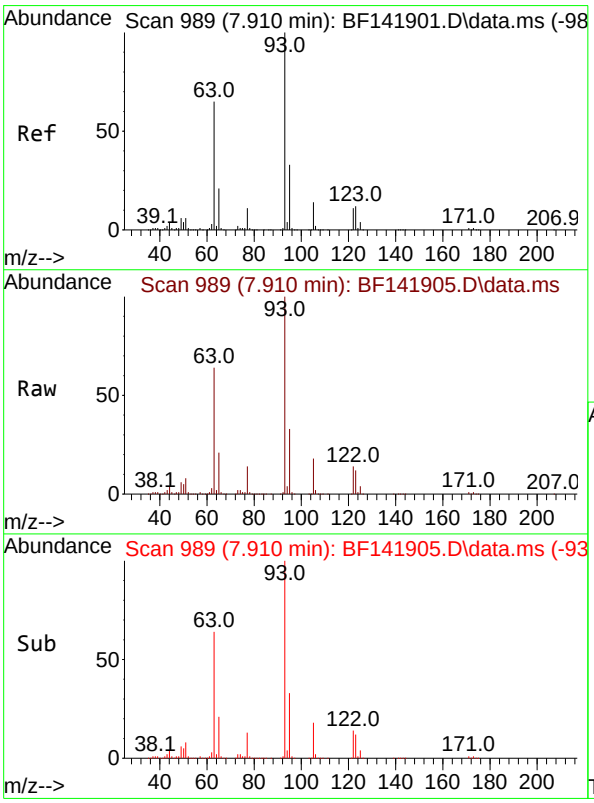

#27
2,4-Dimethylphenol
Concen: 48.725 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:122 Resp: 510395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 119.4 | 94.8 | 142.2 |
| 121 | 59.1 | 47.8 | 71.6 |

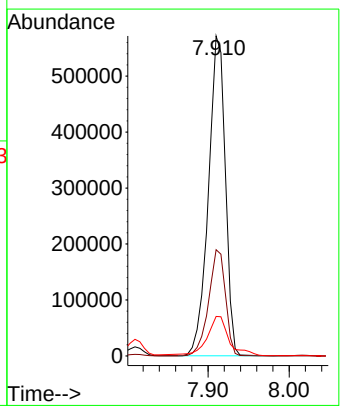


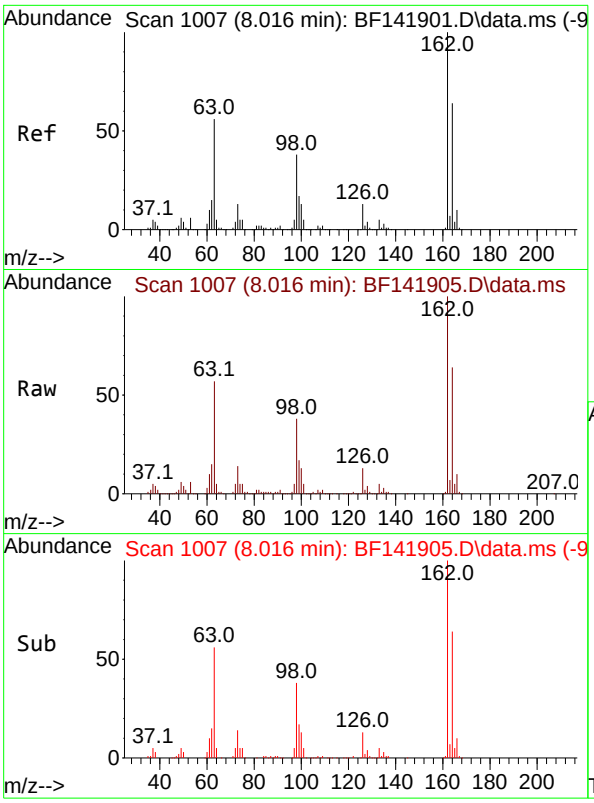




#28
bis(2-Chloroethoxy)methane
Concen: 47.757 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 93 Resp: 826776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.2 | 26.6 | 40.0 |
| 123 | 12.4 | 10.2 | 15.4 |



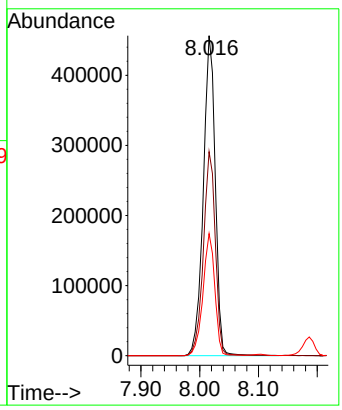


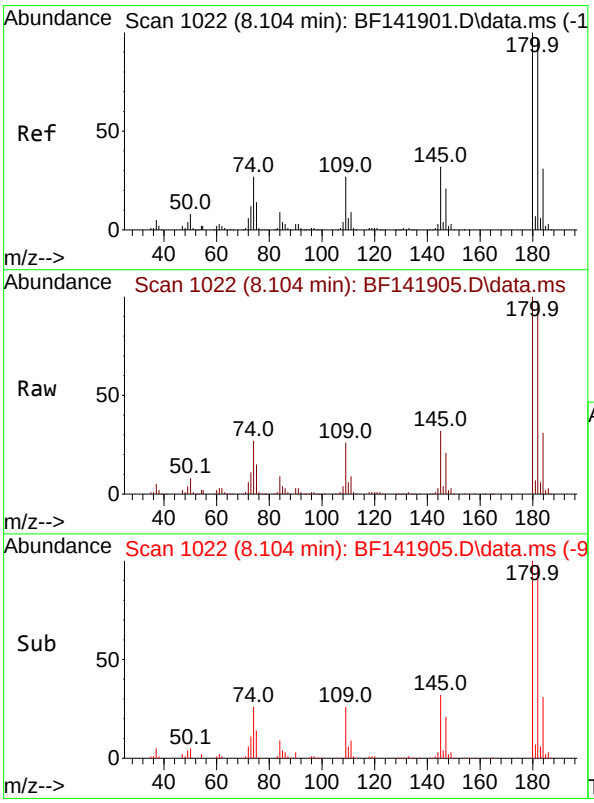

#29
2,4-Dichlorophenol
Concen: 49.793 ng
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:162 Resp: 647319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.8 | 43.8 | 83.8 |
| 98 | 38.1 | 18.1 | 58.1 |

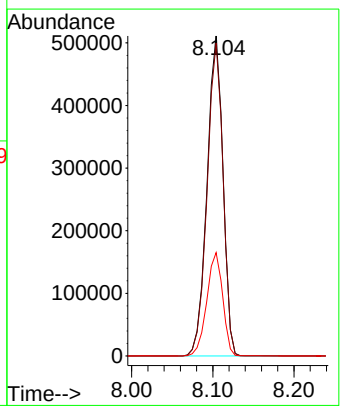


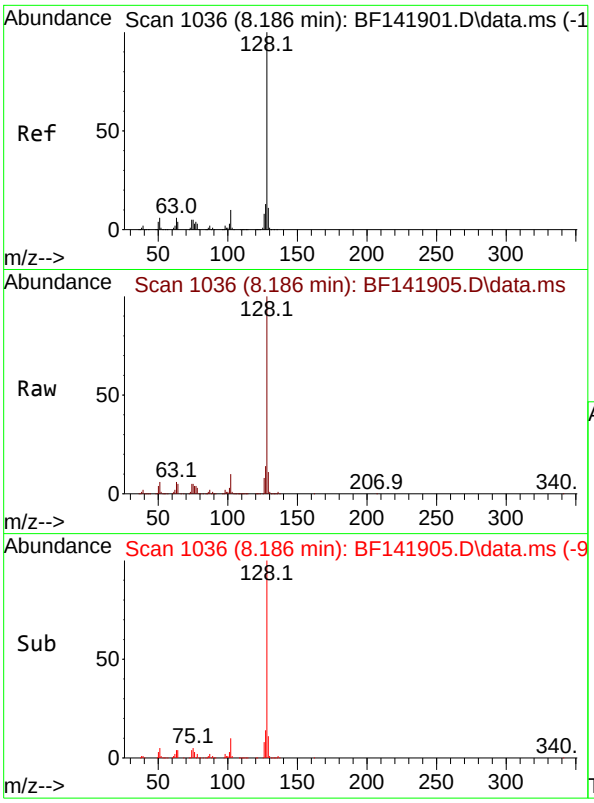




#30
1,2,4-Trichlorobenzene
Concen: 48.617 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:180 Resp: 697274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.8 | 77.5 | 116.3 |
| 145 | 32.3 | 25.8 | 38.6 |



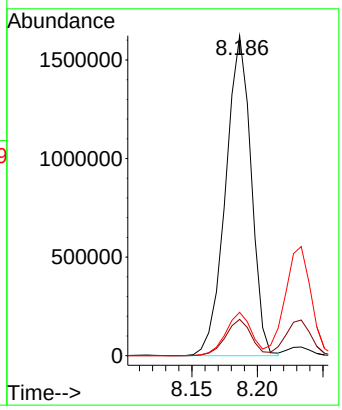


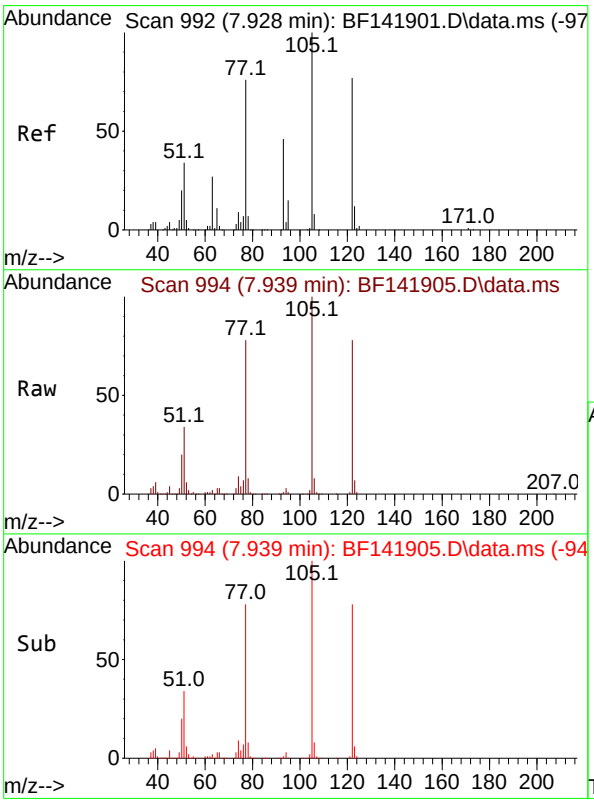

#31
Naphthalene
Concen: 48.863 ng
RT: 8.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:128 Resp: 2196111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.4 | 9.0 | 13.6 |
| 127 | 13.5 | 10.8 | 16.2 |

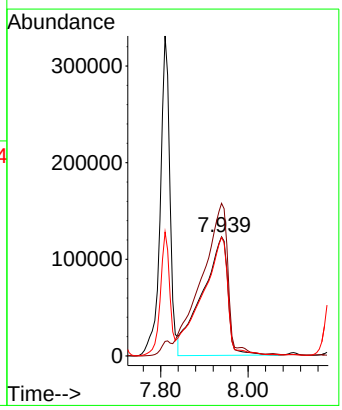


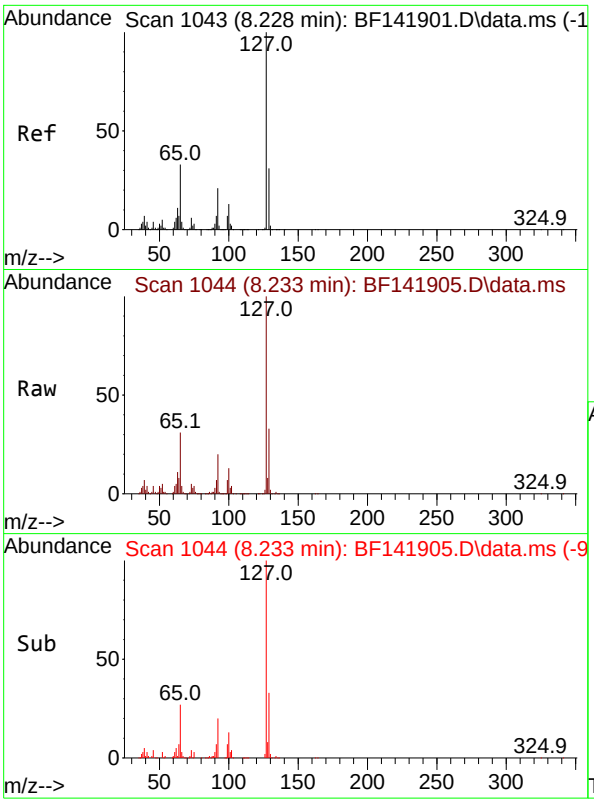




#32
Benzoic acid
Concen: 54.676 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.011 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:122 Resp: 500593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 128.0 | 107.9 | 147.9 |
| 77 | 99.6 | 79.0 | 119.0 |



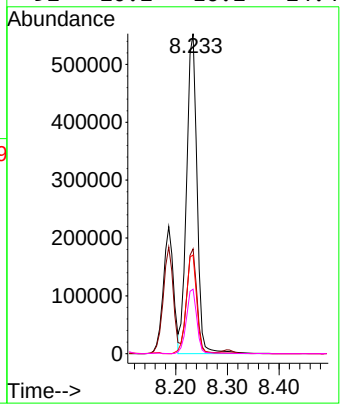


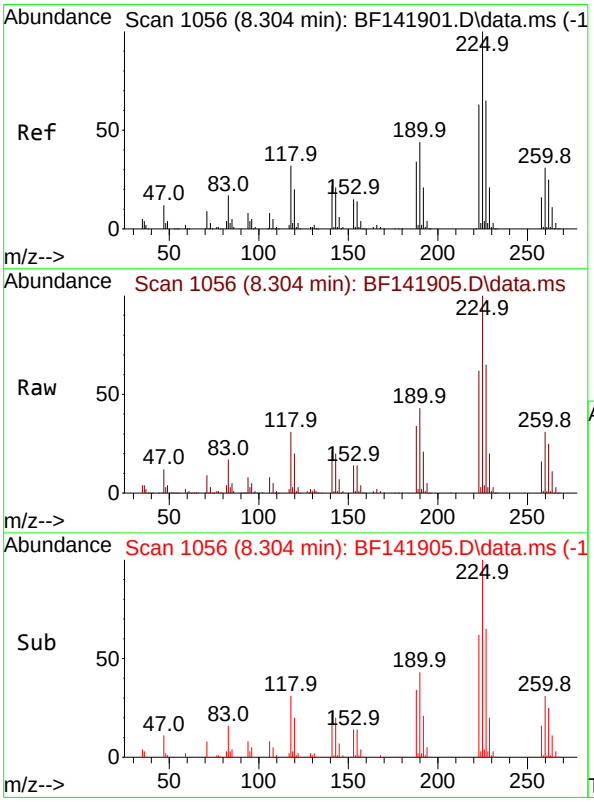

#33
4-Chloroaniline
Concen: 48.909 ng
RT: 8.233 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:127 Resp: 775699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.8 | 26.2 | 39.4 |
| 65 | 30.9 | 25.4 | 38.2 |
| 92 | 20.2 | 16.2 | 24.4 |

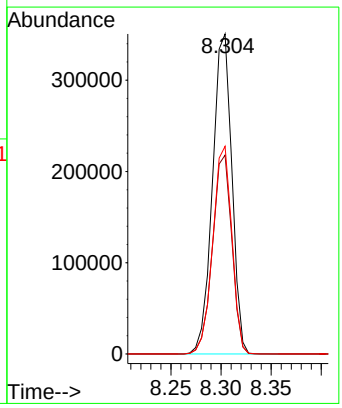


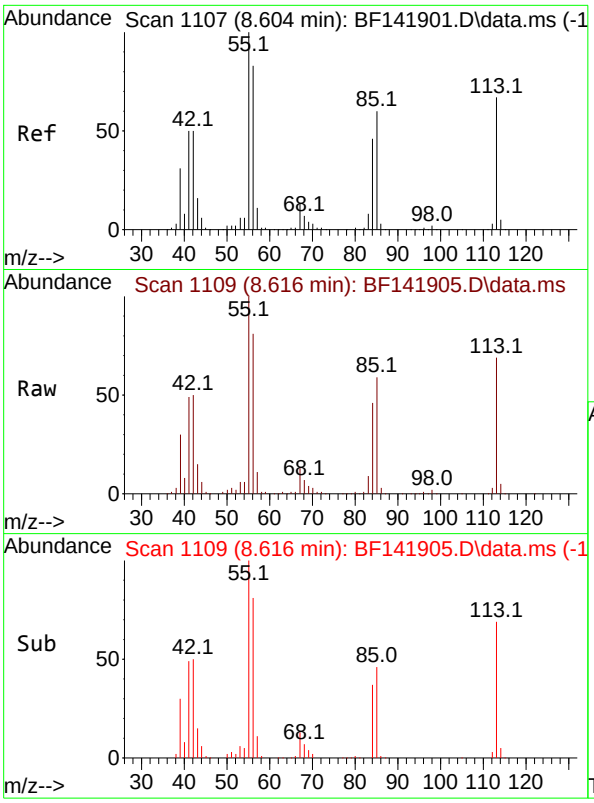




#34
Hexachlorobutadiene
Concen: 50.376 ng
RT: 8.304 min Scan# 1056
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:225 Resp: 469787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.2 | 50.6 | 75.8 |
| 227 | 64.9 | 52.2 | 78.2 |



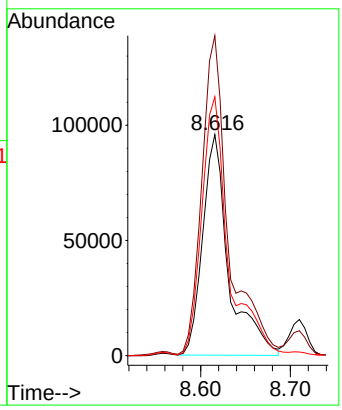


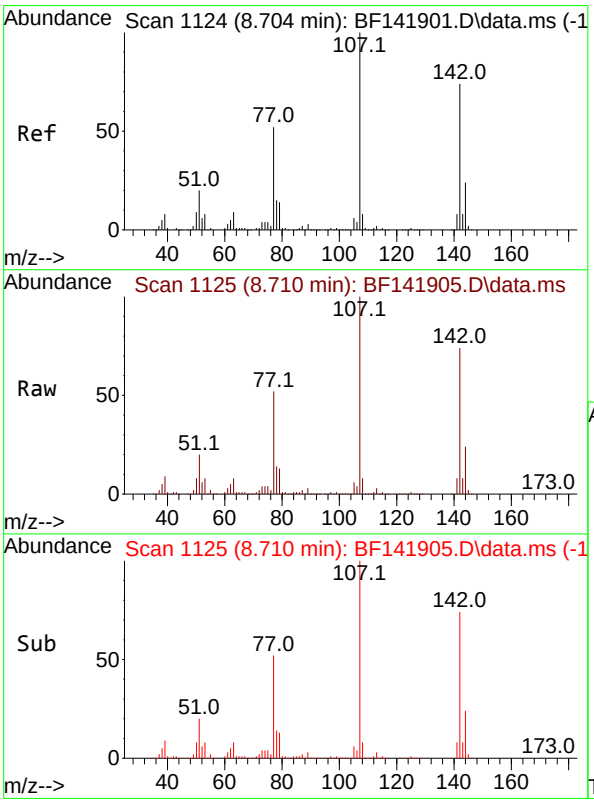

#35
Caprolactam
Concen: 48.891 ng
RT: 8.616 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:113 Resp: 193267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 144.7 | 129.6 | 169.6 |
| 56 | 117.1 | 104.0 | 144.0 |

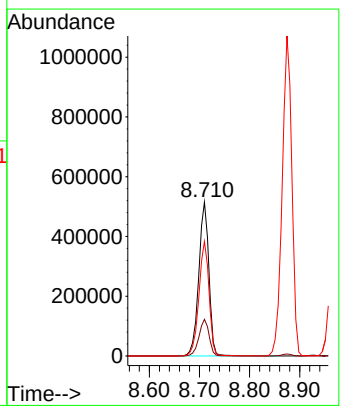


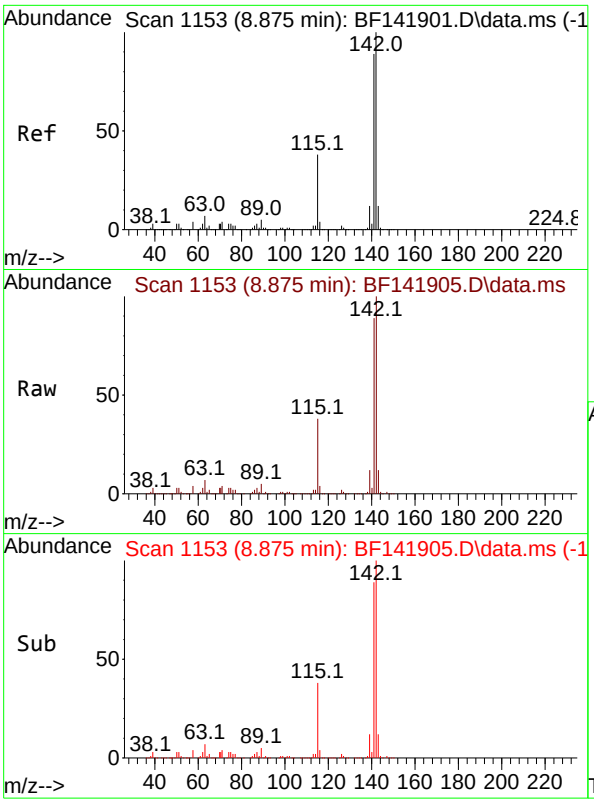




#36
4-Chloro-3-methylphenol
Concen: 49.925 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:107 Resp: 721800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 23.8 | 19.0 | 28.6 |
| 142 | 74.4 | 59.2 | 88.8 |



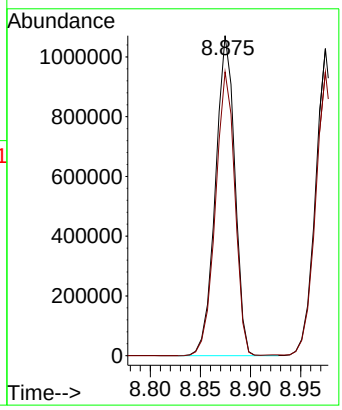


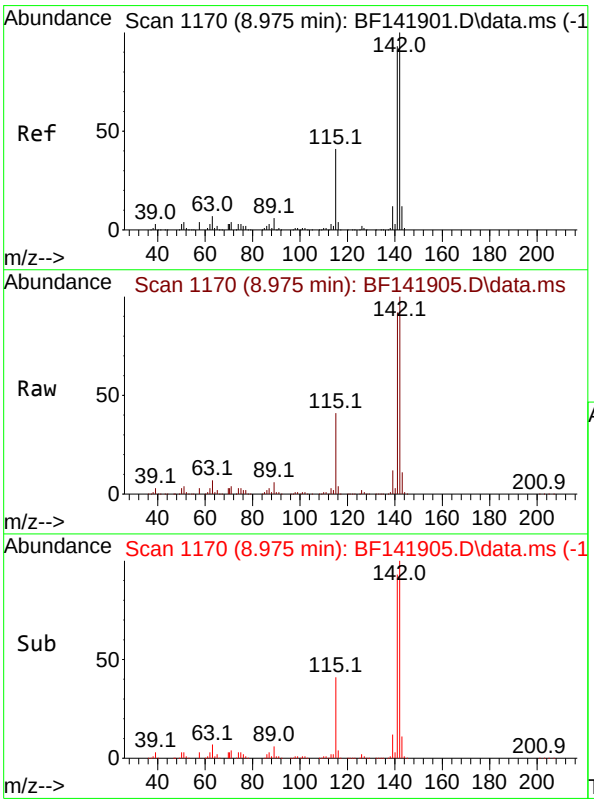

#37
2-Methylnaphthalene
Concen: 47.638 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:142 Resp: 1436485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.7 | 71.2 | 106.8 |

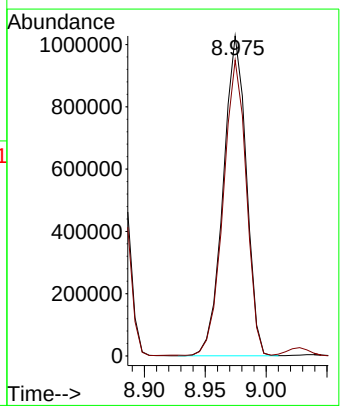


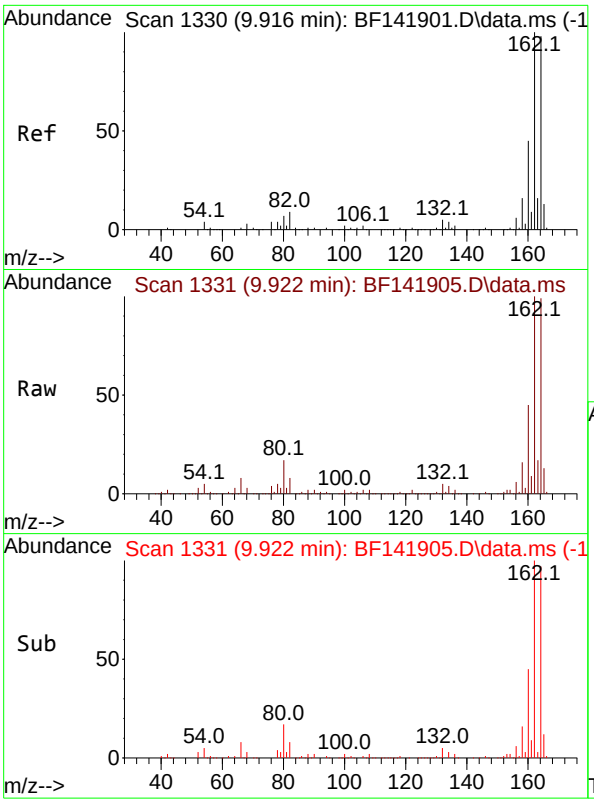




#38
1-Methylnaphthalene
Concen: 46.482 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:142 Resp: 1357356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.4 | 74.2 | 111.4 |



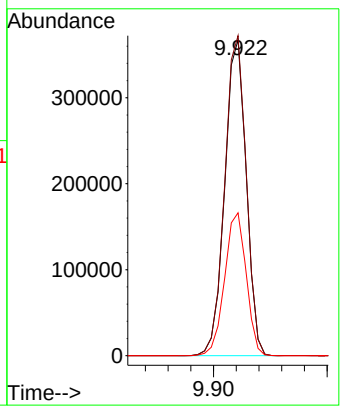


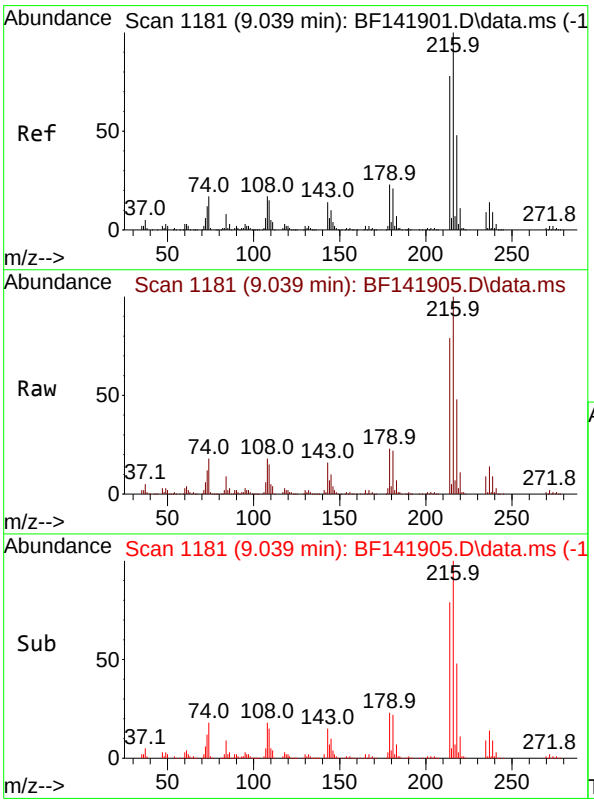

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:164 Resp: 481971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.3 | 81.8 | 122.6 |
| 160 | 45.2 | 36.7 | 55.1 |

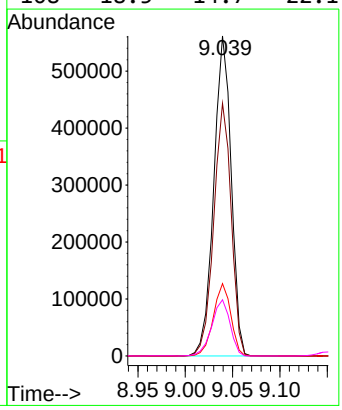


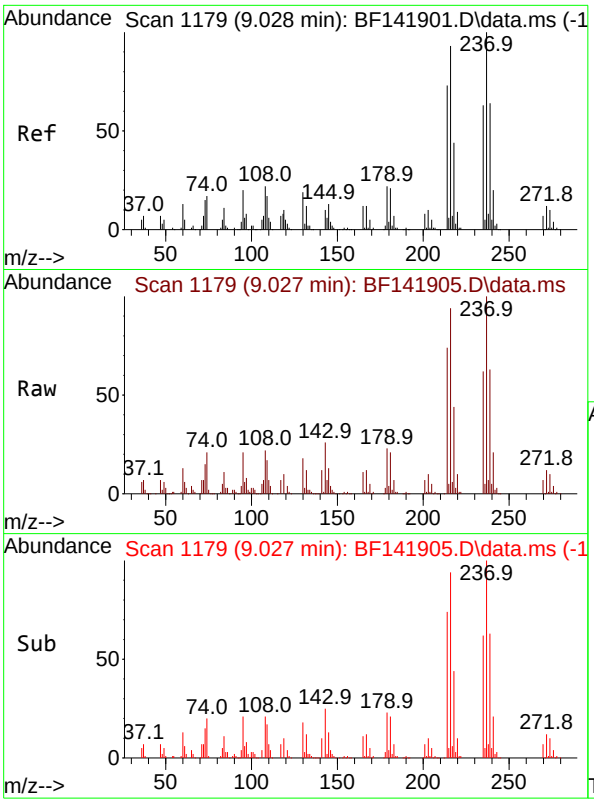




#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.955 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:216 Resp: 719431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.9 | 61.9 | 92.9 |
| 179 | 22.7 | 18.1 | 27.1 |
| 108 | 18.5 | 14.7 | 22.1 |



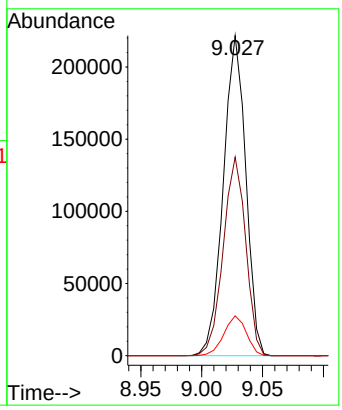


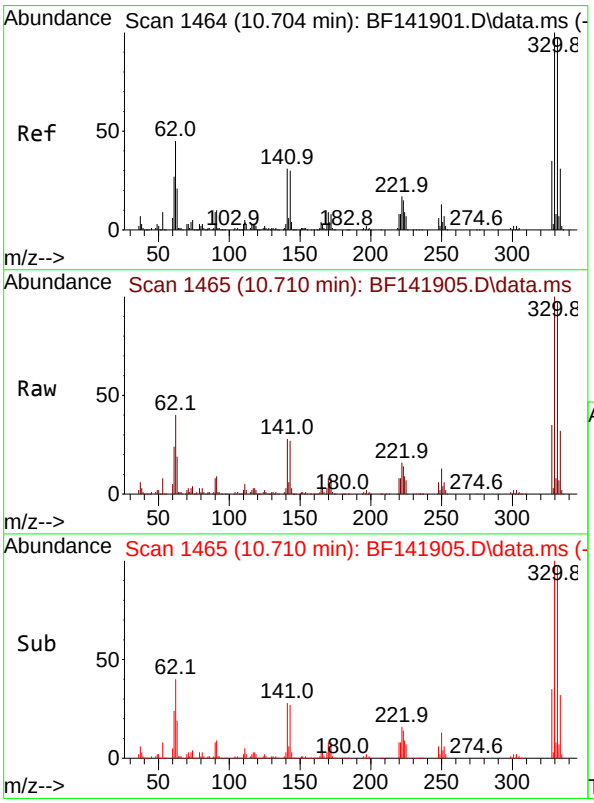

#41
Hexachlorocyclopentadiene
Concen: 49.142 ng
RT: 9.027 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:237 Resp: 284968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.1 | 43.1 | 83.1 |
| 272 | 12.4 | 0.0 | 32.0 |

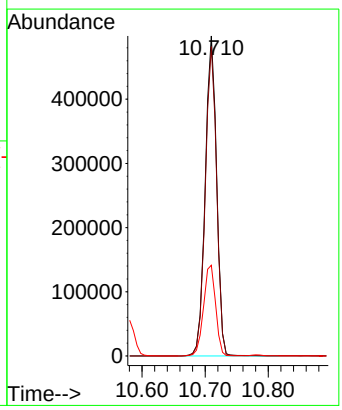


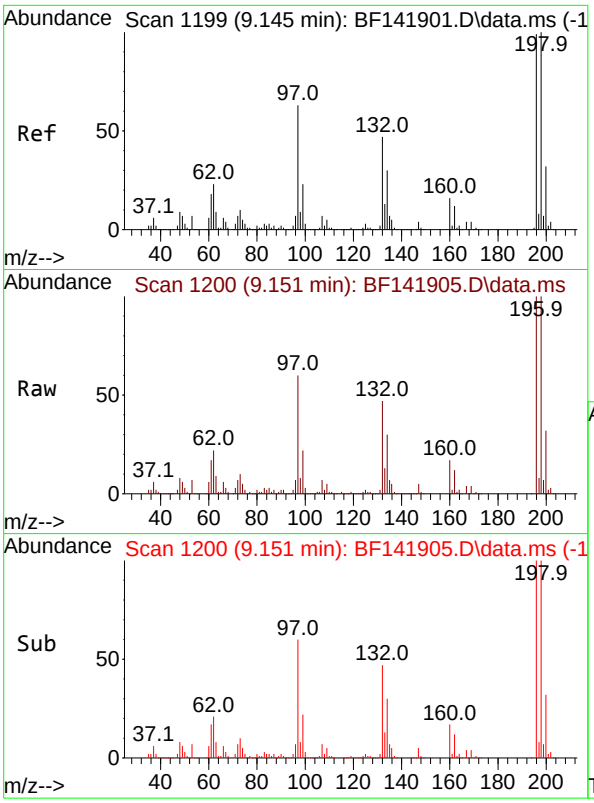




#42
2,4,6-Tribromophenol
Concen: 102.342 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:330 Resp: 625035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.6 | 77.6 | 116.4 |
| 141 | 30.1 | 24.7 | 37.1 |



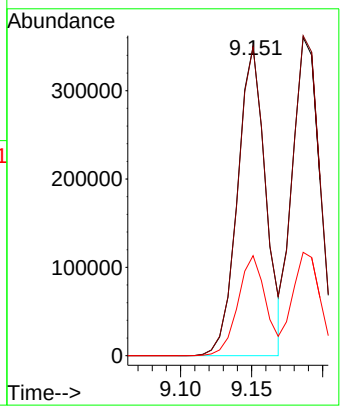


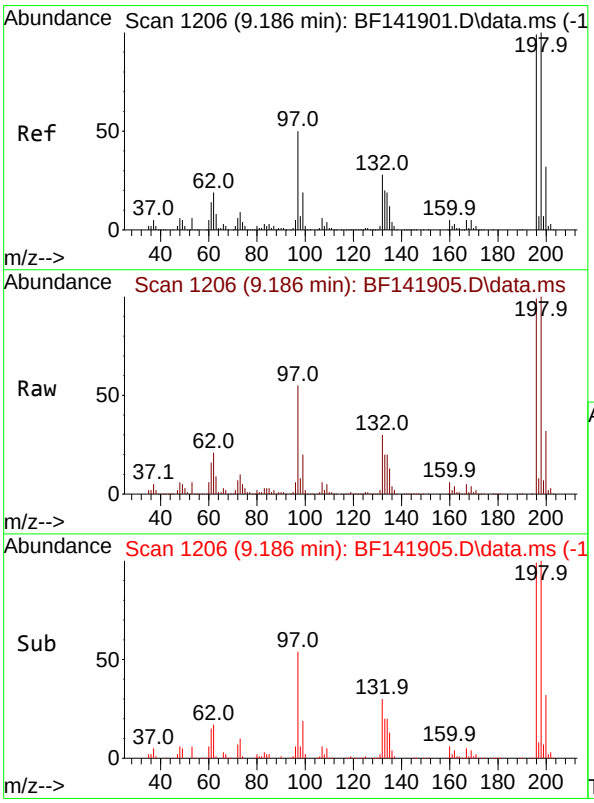

#43
2,4,6-Trichlorophenol
Concen: 50.291 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:196 Resp: 481782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.9 | 80.6 | 121.0 |
| 200 | 32.3 | 25.8 | 38.6 |

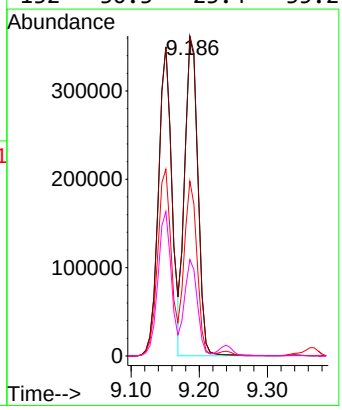


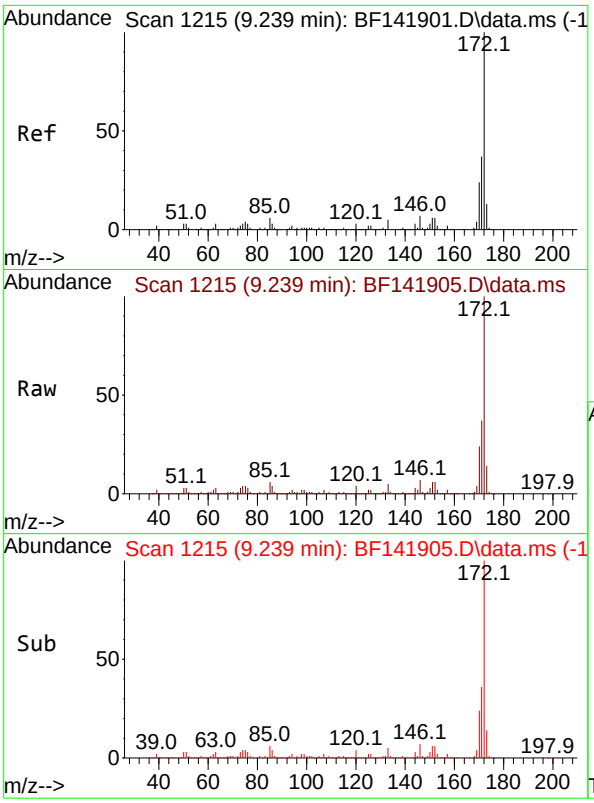




#44
2,4,5-Trichlorophenol
Concen: 49.580 ng
RT: 9.186 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:196 Resp: 482570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.5 | 80.7 | 121.1 |
| 97 | 54.9 | 42.1 | 63.1 |
| 132 | 30.3 | 23.4 | 35.2 |



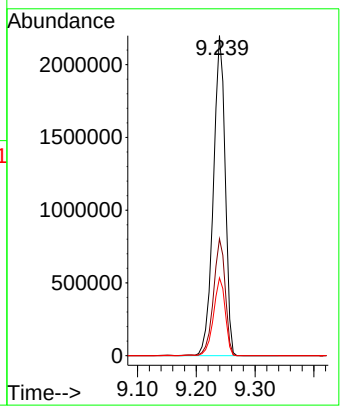


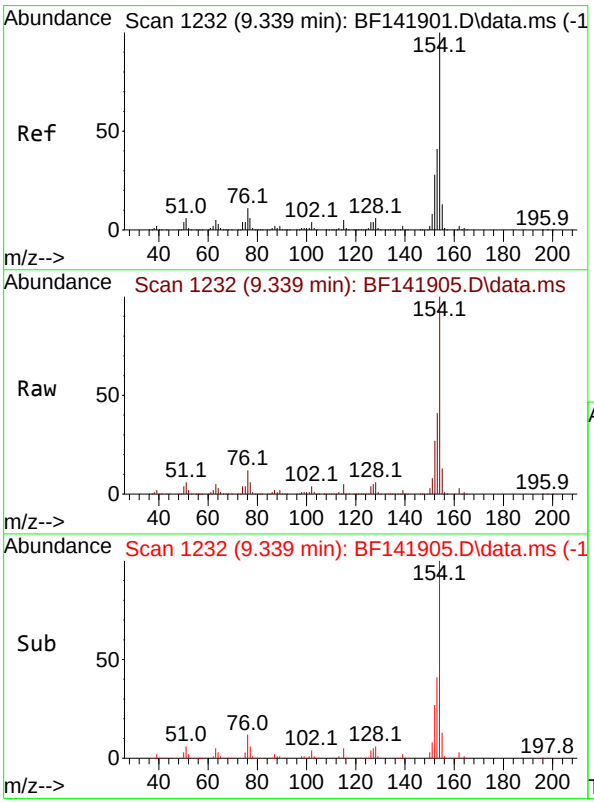

#45
2-Fluorobiphenyl
Concen: 96.836 ng
RT: 9.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:172 Resp: 3064989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.5 | 29.3 | 43.9 |
| 170 | 24.3 | 19.4 | 29.0 |

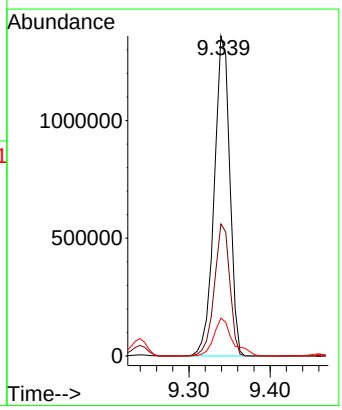


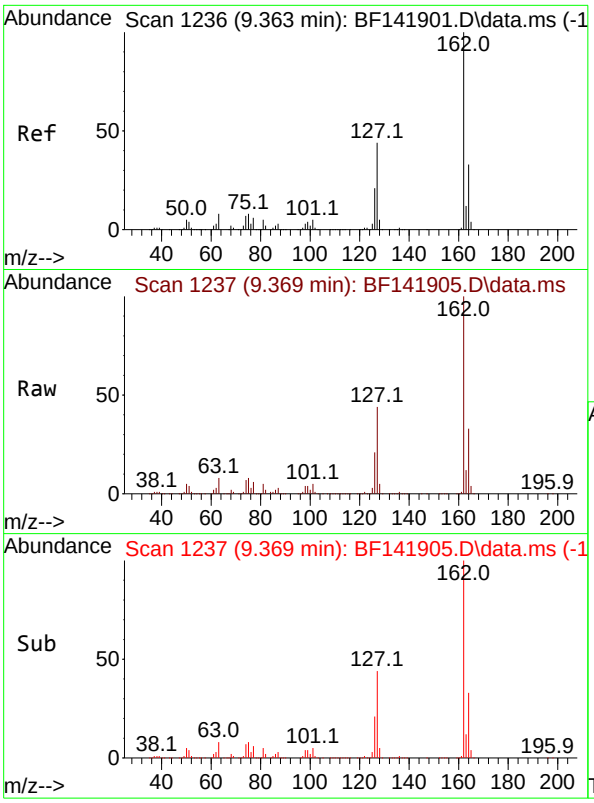




#46
1,1'-Biphenyl
Concen: 49.526 ng
RT: 9.339 min Scan# 1232
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:154 Resp: 1809746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.3 | 21.1 | 61.1 |
| 76 | 11.8 | 0.0 | 31.3 |



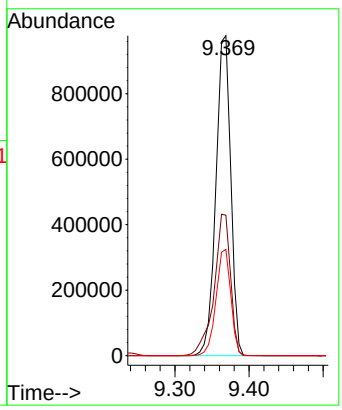


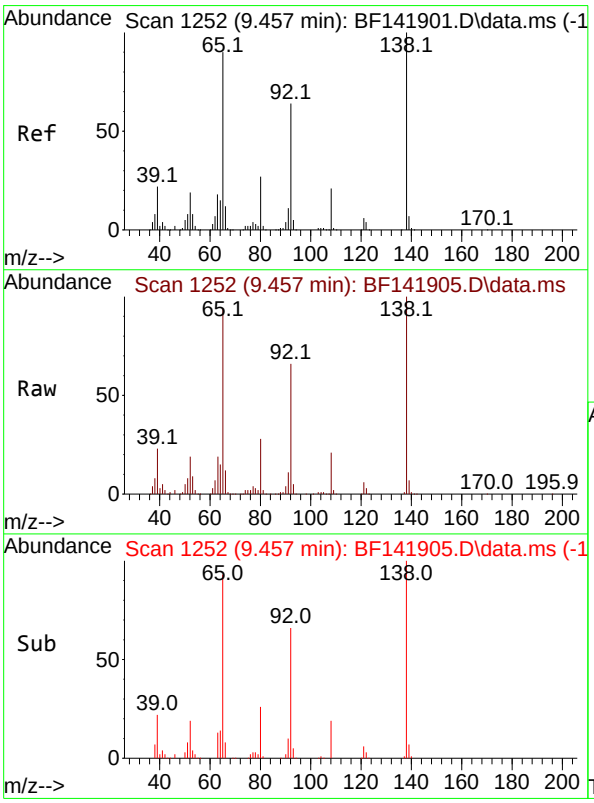

#47
2-Chloronaphthalene
Concen: 49.960 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:162 Resp: 1360528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.9 | 35.5 | 53.3 |
| 164 | 33.2 | 26.6 | 40.0 |

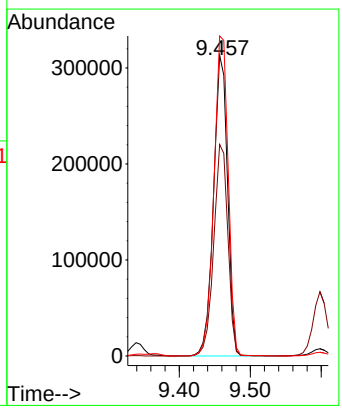


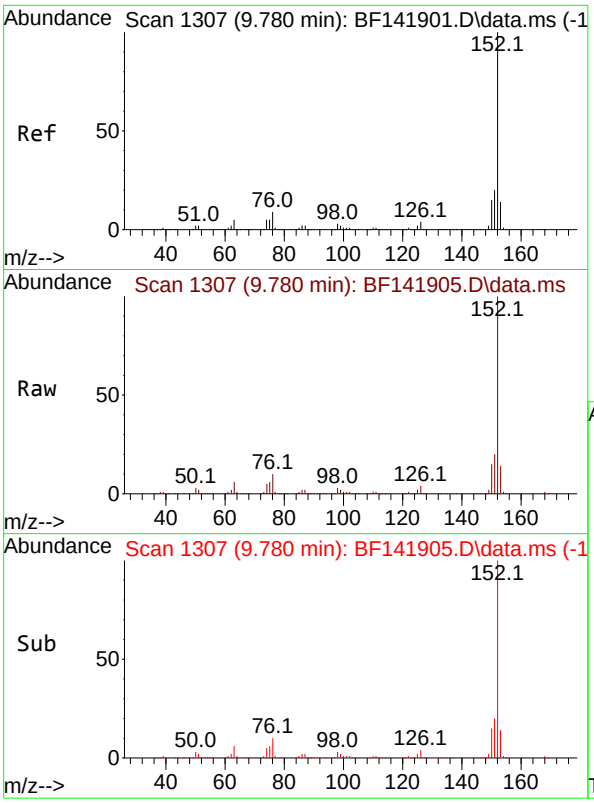




#48
2-Nitroaniline
Concen: 54.854 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 65 Resp: 429111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 70.4 | 56.6 | 84.8 |
| 138 | 106.4 | 88.6 | 133.0 |



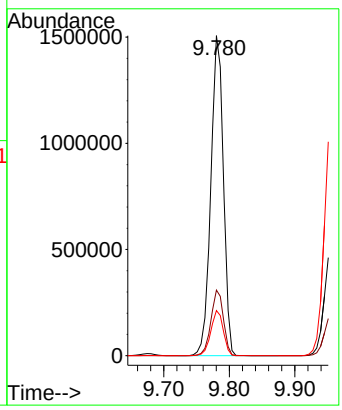


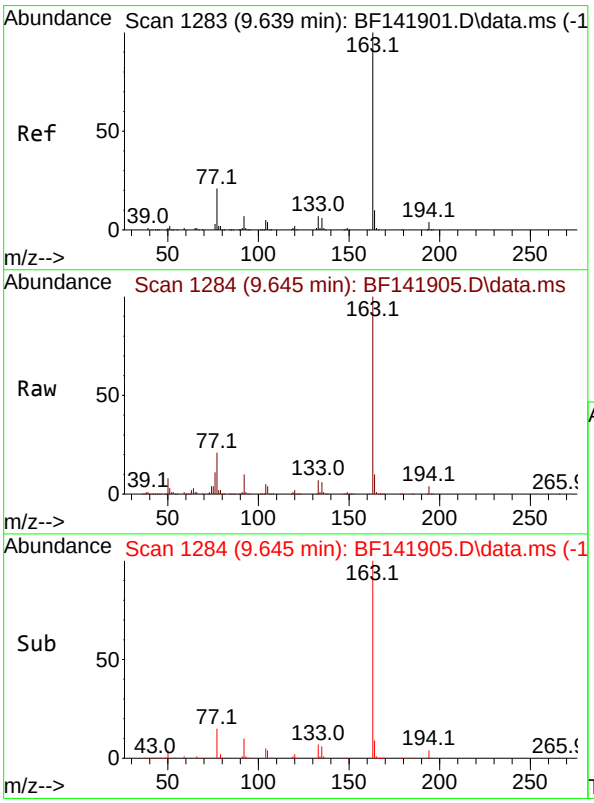

#49
Acenaphthylene
Concen: 49.674 ng
RT: 9.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:152 Resp: 2005538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.5 | 16.3 | 24.5 |
| 153 | 14.1 | 11.1 | 16.7 |

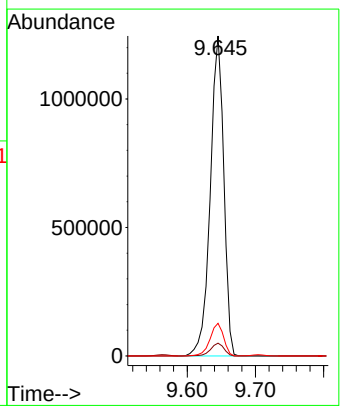


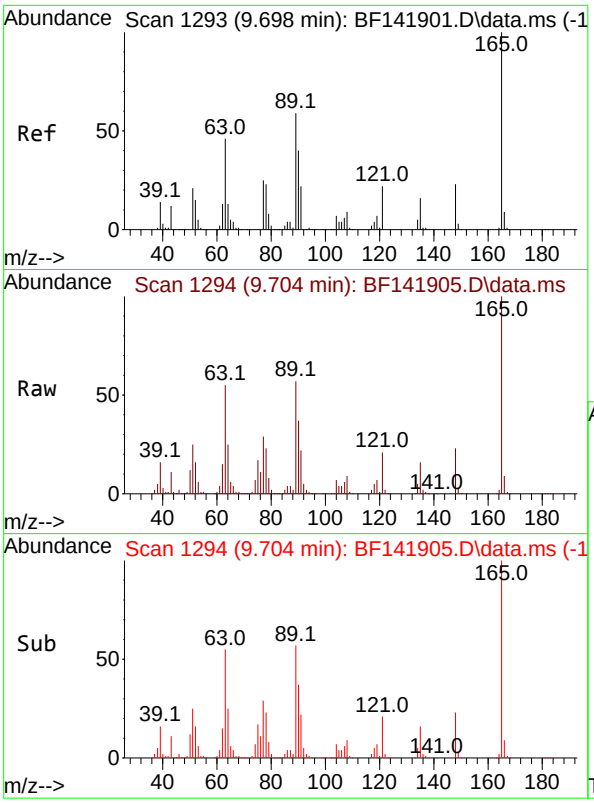




#50
Dimethylphthalate
Concen: 51.273 ng
RT: 9.645 min Scan# 1284
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:163 Resp: 1716995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.1 | 4.7 |
| 164 | 10.2 | 8.2 | 12.4 |



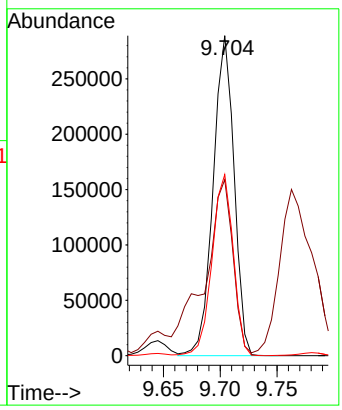


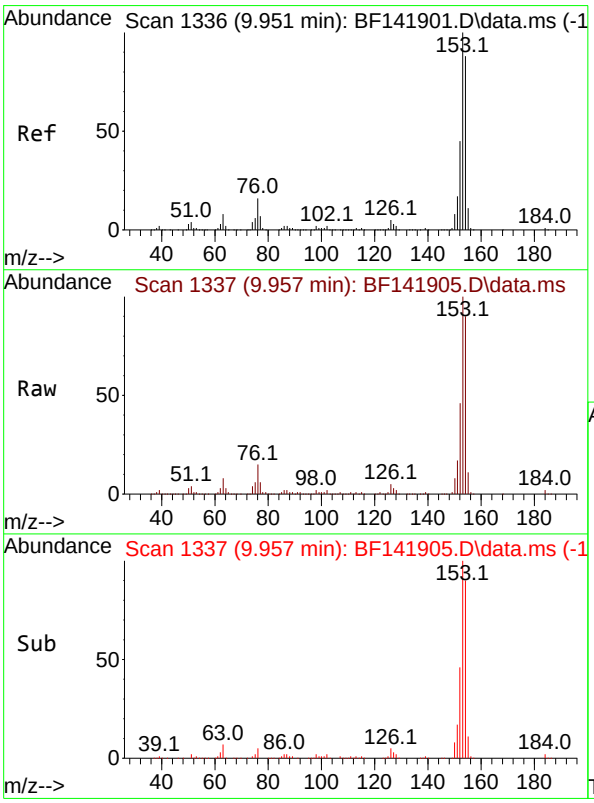

#51
2,6-Dinitrotoluene
Concen: 53.184 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:165 Resp: 370368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 55.0 | 47.0 | 70.4 |
| 89 | 56.6 | 47.4 | 71.2 |

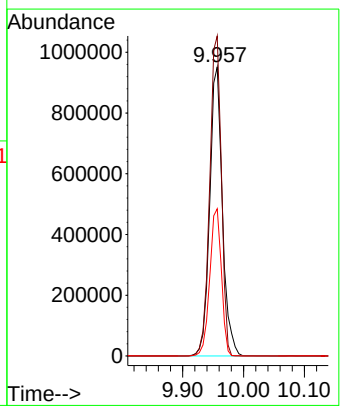


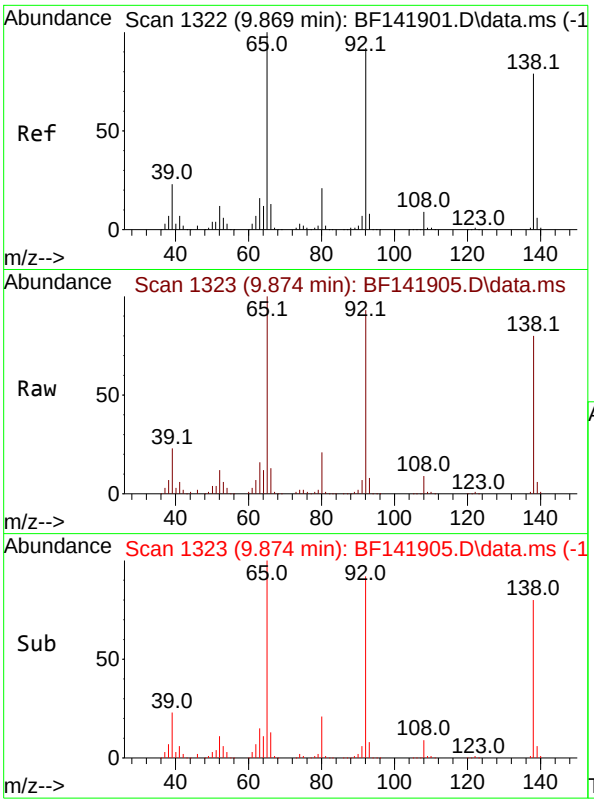




#52
Acenaphthene
Concen: 48.333 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:154 Resp: 1377901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 110.7 | 90.7 | 136.1 |
| 152 | 51.0 | 41.1 | 61.7 |



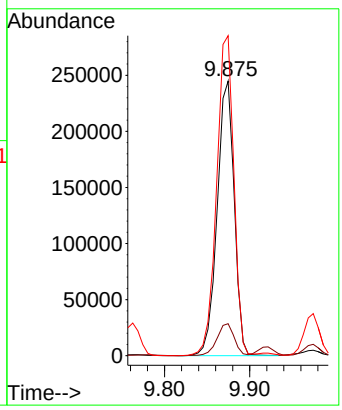


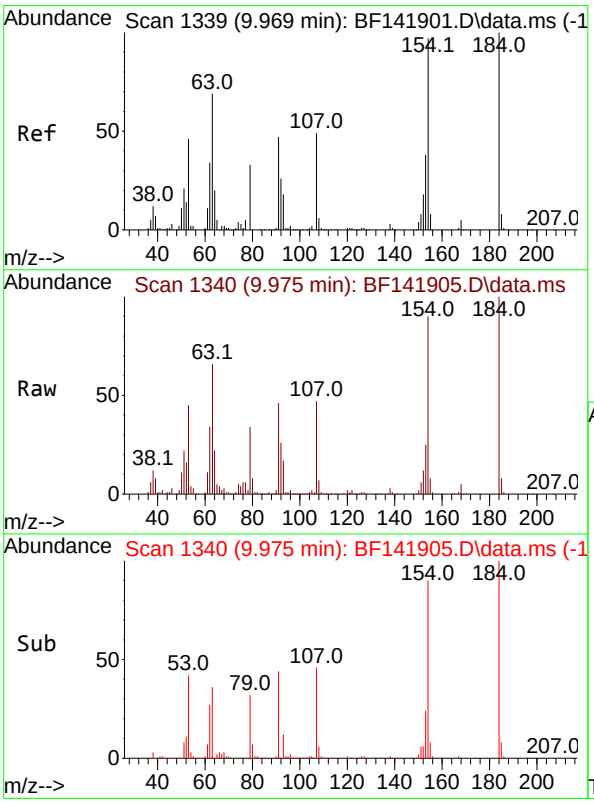

#53
3-Nitroaniline
Concen: 47.638 ng
RT: 9.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:138 Resp: 340633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.6 | 9.3 | 13.9 |
| 92 | 116.5 | 93.5 | 140.3 |

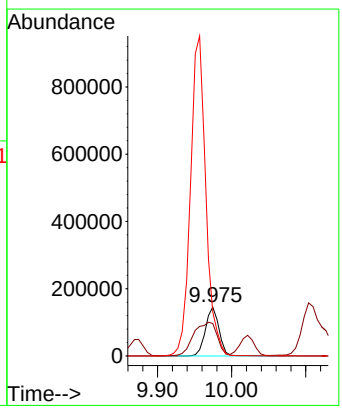


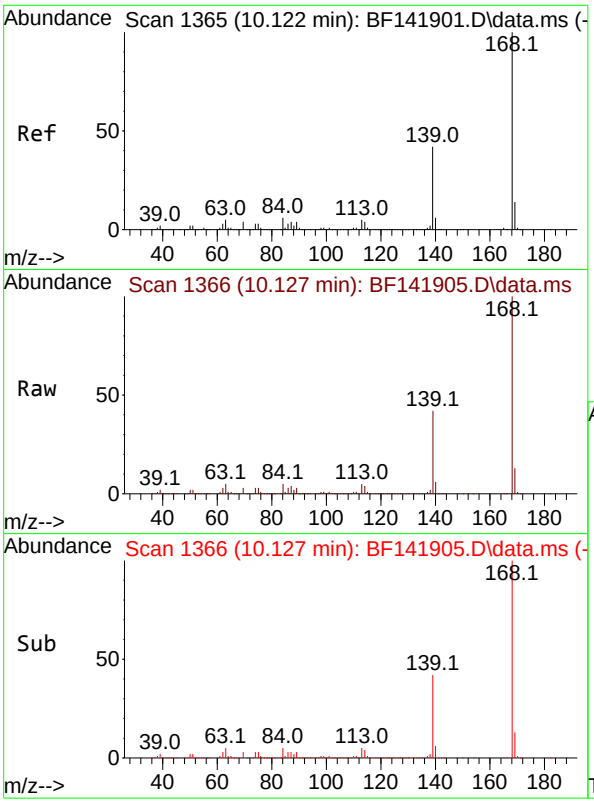




#54
2,4-Dinitrophenol
Concen: 49.104 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:184 Resp: 184410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 66.3 | 60.2 | 90.4 |
| 154 | 90.1 | 132.9 | 199.3# |



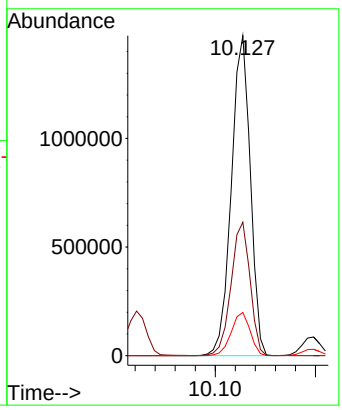


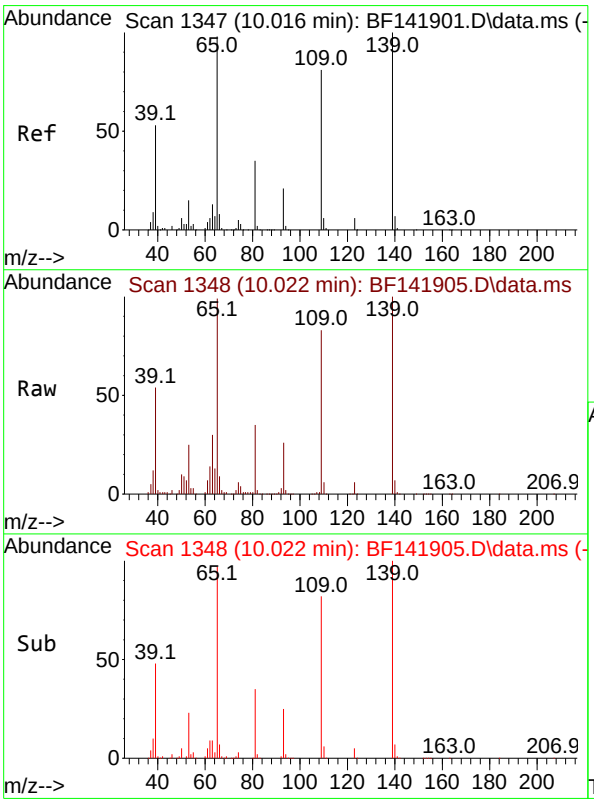

#55
Dibenzofuran
Concen: 47.647 ng
RT: 10.127 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:168 Resp: 1936780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.7 | 33.9 | 50.9 |
| 169 | 13.5 | 11.0 | 16.4 |

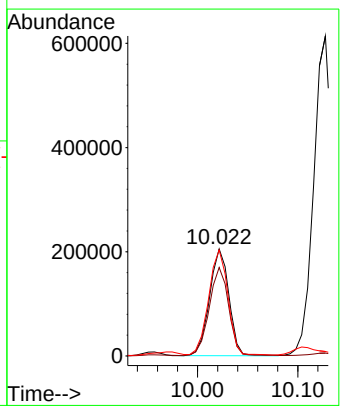


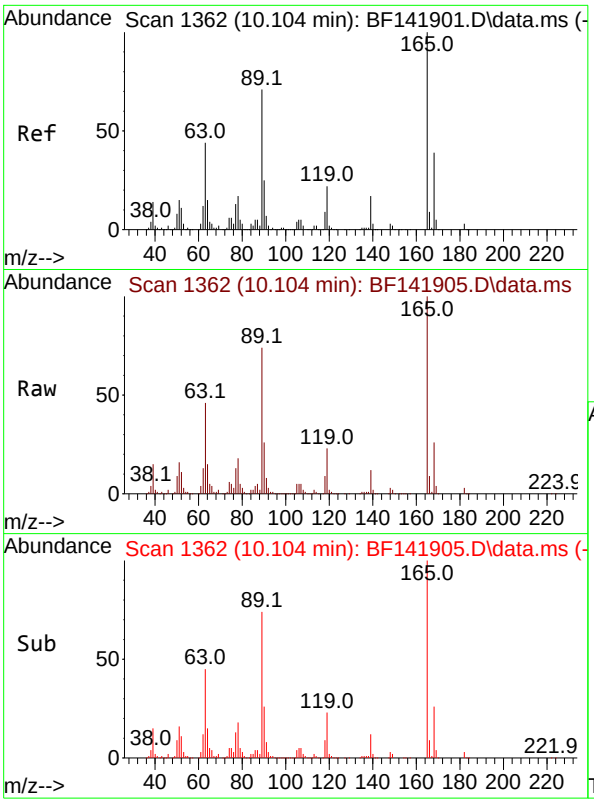




#56
4-Nitrophenol
Concen: 51.474 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:139 Resp: 276487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 82.6 | 61.6 | 101.6 |
| 65 | 99.1 | 79.4 | 119.4 |



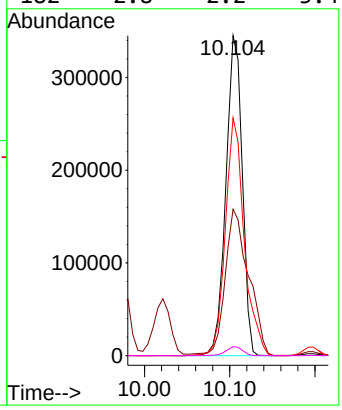


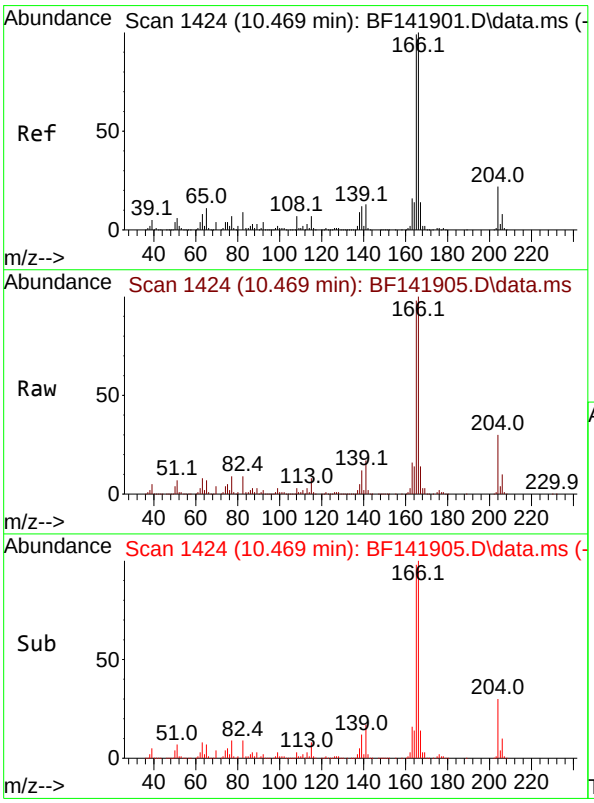

#57
2,4-Dinitrotoluene
Concen: 50.321 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:165 Resp: 461276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 45.8 | 35.4 | 53.2 |
| 89 | 74.3 | 56.6 | 84.8 |
| 182 | 2.8 | 2.2 | 3.4 |

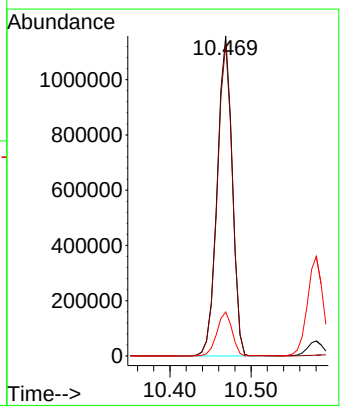


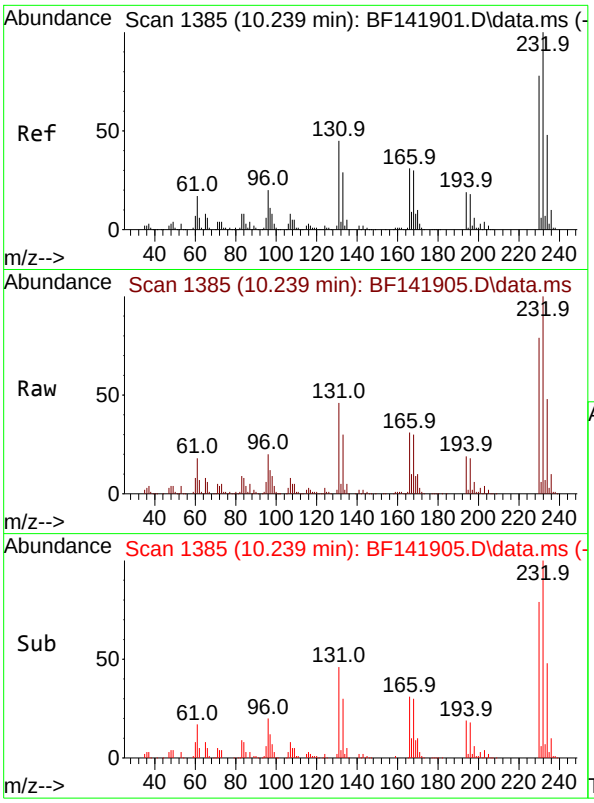




#58
Fluorene
Concen: 47.708 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:166 Resp: 1497123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.6 | 79.0 | 118.4 |
| 167 | 13.7 | 11.0 | 16.4 |



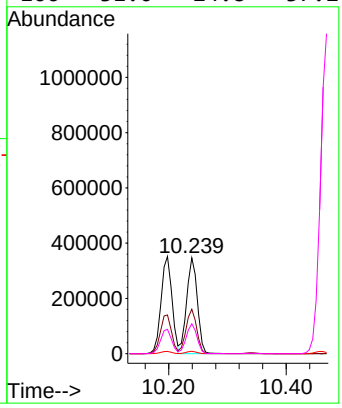


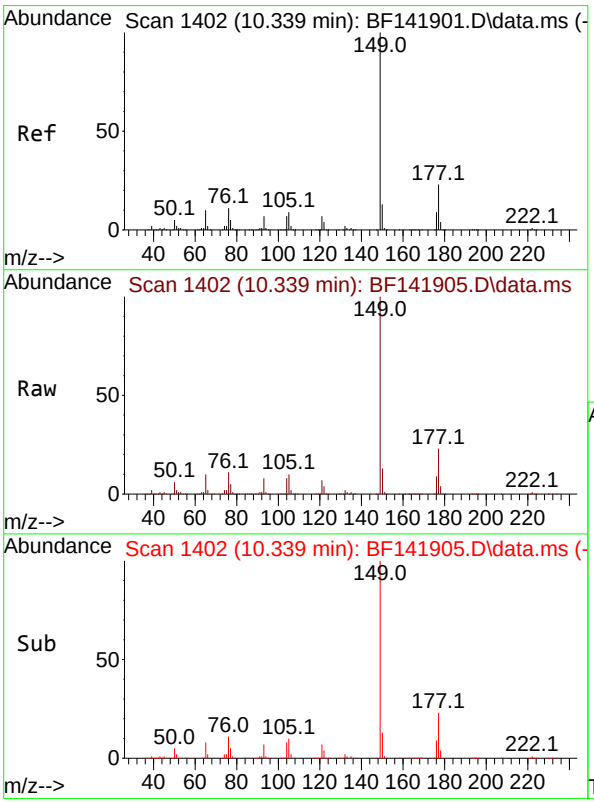

#59
2,3,4,6-Tetrachlorophenol
Concen: 49.600 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:232 Resp: 438025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.2 | 37.3 | 55.9 |
| 130 | 2.4 | 1.9 | 2.9 |
| 166 | 31.0 | 24.8 | 37.2 |

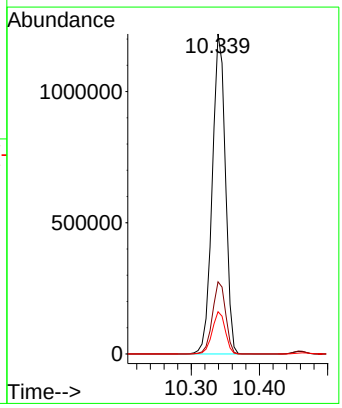


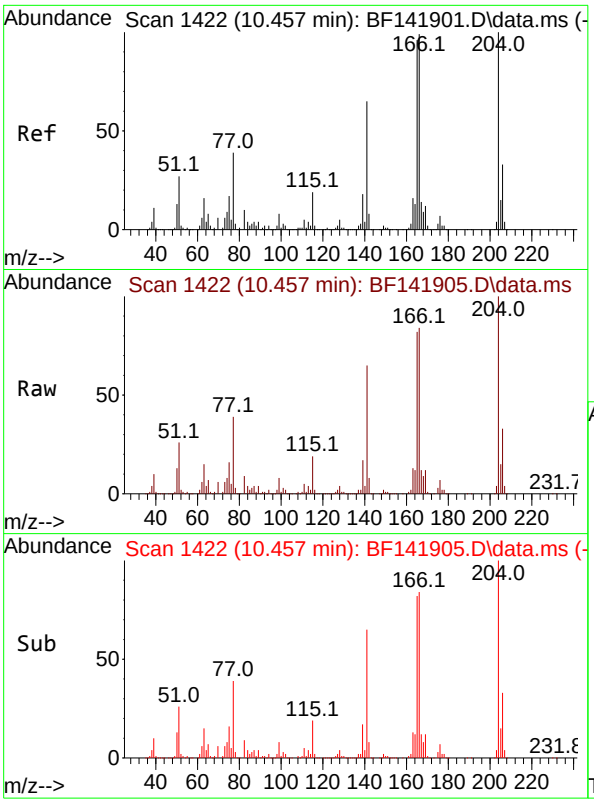




#60
Diethylphthalate
Concen: 48.639 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:149 Resp: 1635073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.5 | 18.0 | 27.0 |
| 150 | 13.2 | 10.2 | 15.4 |



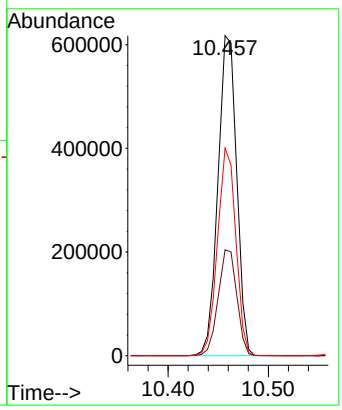


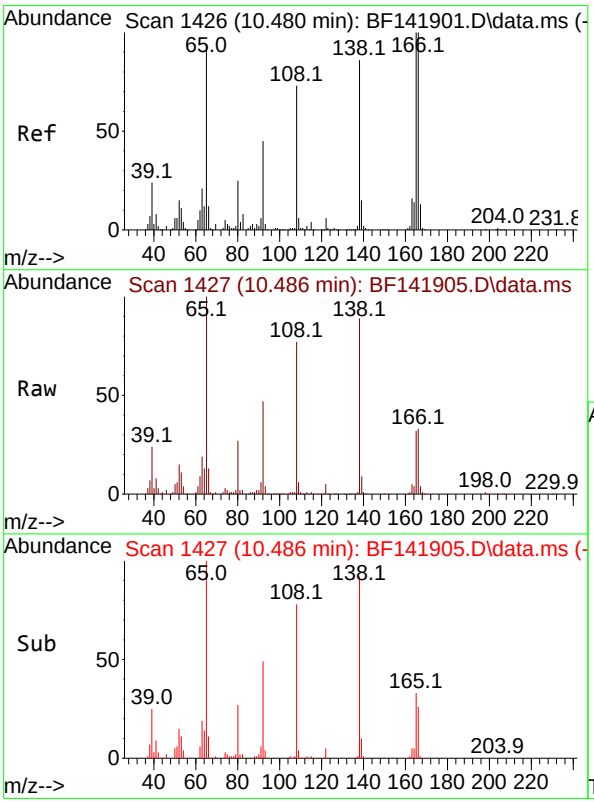

#61
4-Chlorophenyl-phenylether
Concen: 48.929 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:204 Resp: 799744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.1 | 26.8 | 40.2 |
| 141 | 64.8 | 52.4 | 78.6 |

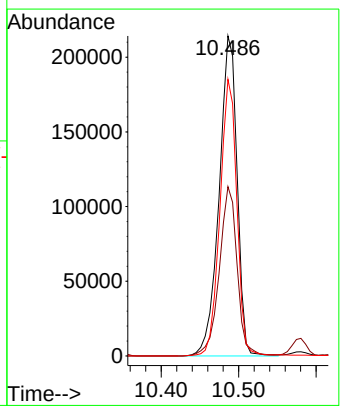


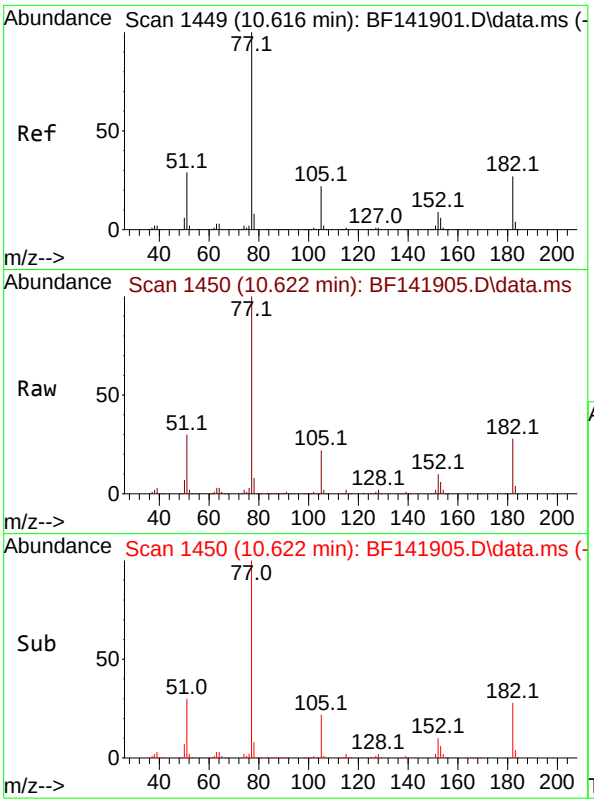




#62
4-Nitroaniline
Concen: 49.990 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:138 Resp: 346378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 52.9 | 32.6 | 72.6 |
| 108 | 86.4 | 65.0 | 105.0 |



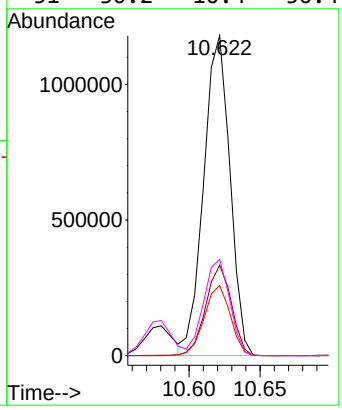


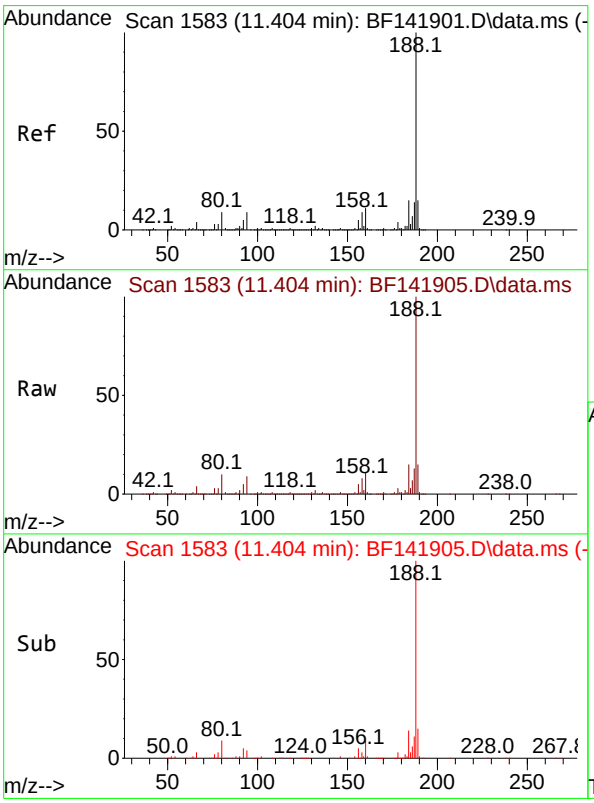

#63
Azobenzene
Concen: 48.653 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion: 77 Resp: 1519356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 28.3 | 6.6 | 46.6 |
| 105 | 22.0 | 1.3 | 41.3 |
| 51 | 30.2 | 10.4 | 50.4 |

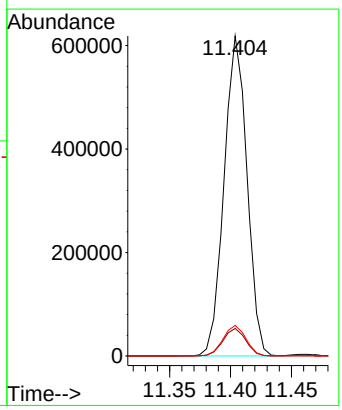


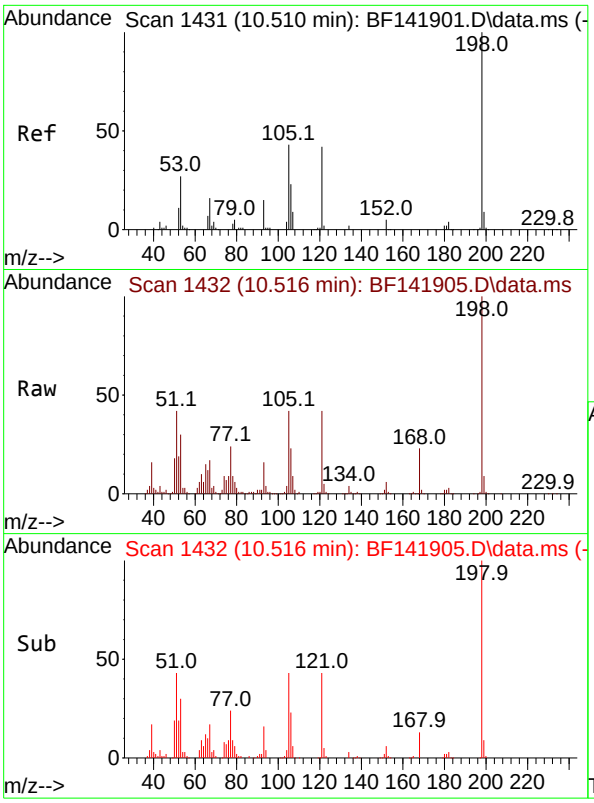




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:188 Resp: 811142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.6 | 6.8 | 10.2 |
| 80 | 9.6 | 7.6 | 11.4 |



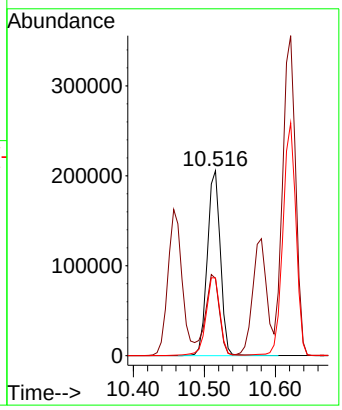


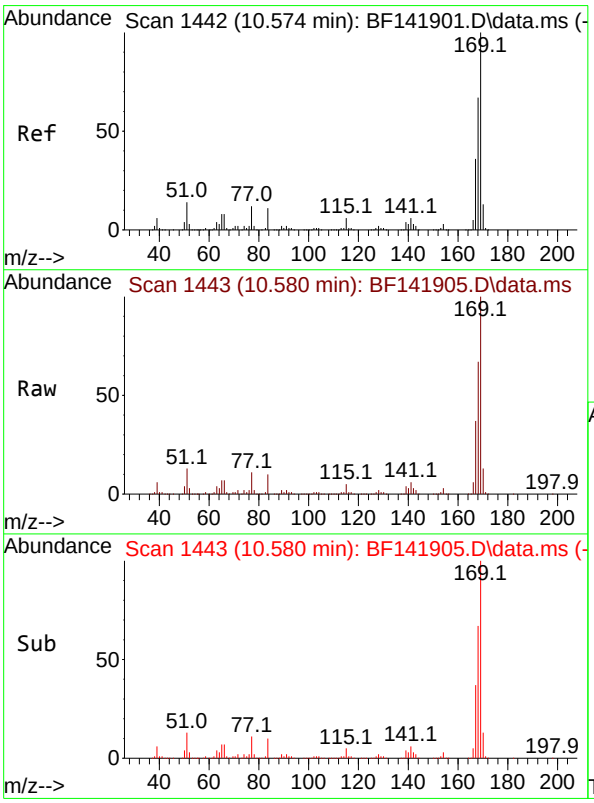

#65
4,6-Dinitro-2-methylphenol
Concen: 54.673 ng
RT: 10.516 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:198 Resp: 262910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 41.7 | 22.3 | 62.3 |
| 105 | 42.0 | 23.0 | 63.0 |

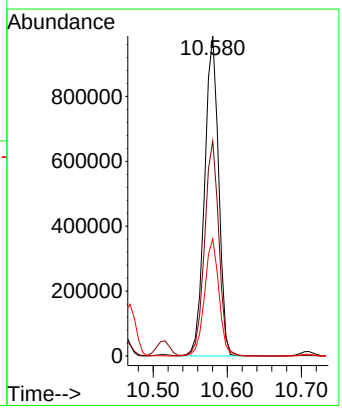


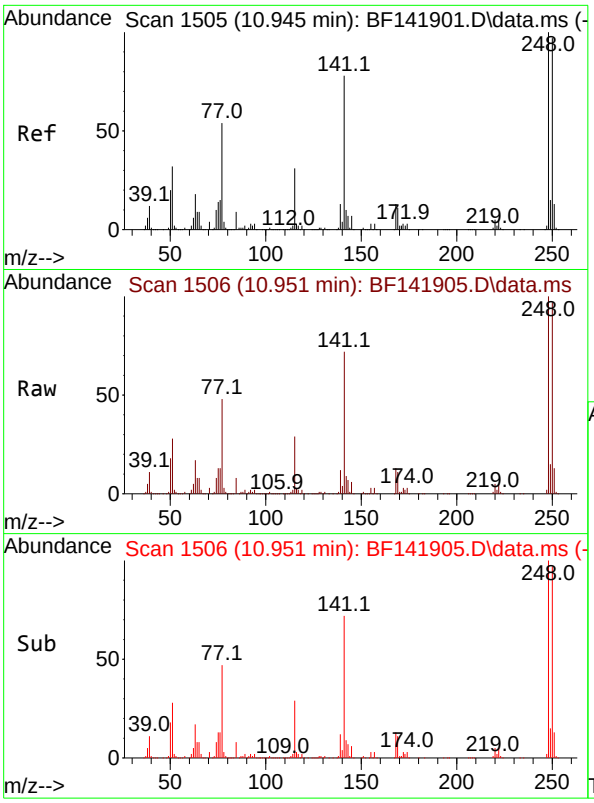




#66
n-Nitrosodiphenylamine
Concen: 49.373 ng
RT: 10.580 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:169 Resp: 1293745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 67.2 | 53.7 | 80.5 |
| 167 | 36.6 | 29.2 | 43.8 |



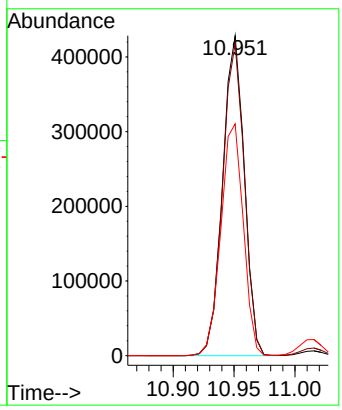


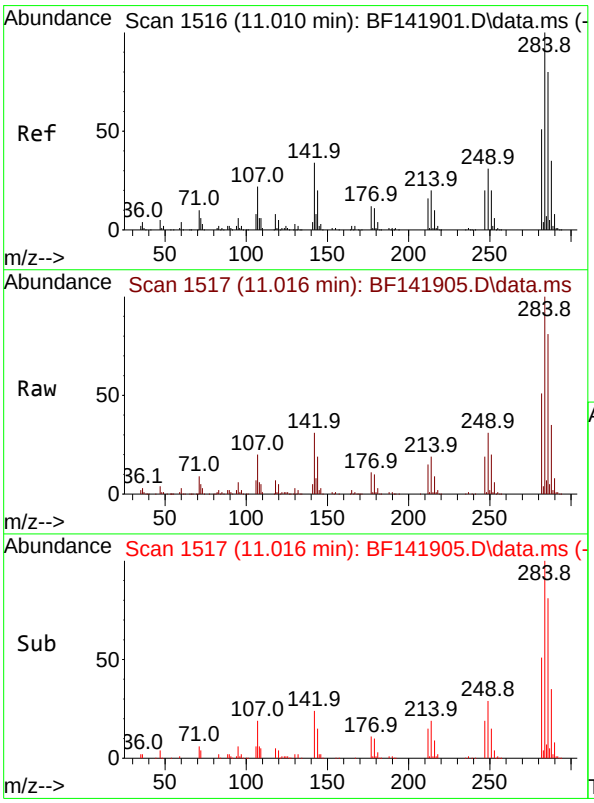

#67
4-Bromophenyl-phenylether
Concen: 52.740 ng
RT: 10.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:248 Resp: 532762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.5 | 77.8 | 116.8 |
| 141 | 72.5 | 62.6 | 93.8 |

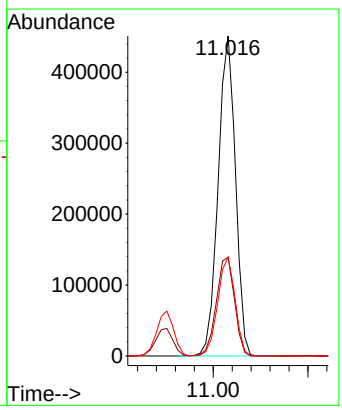


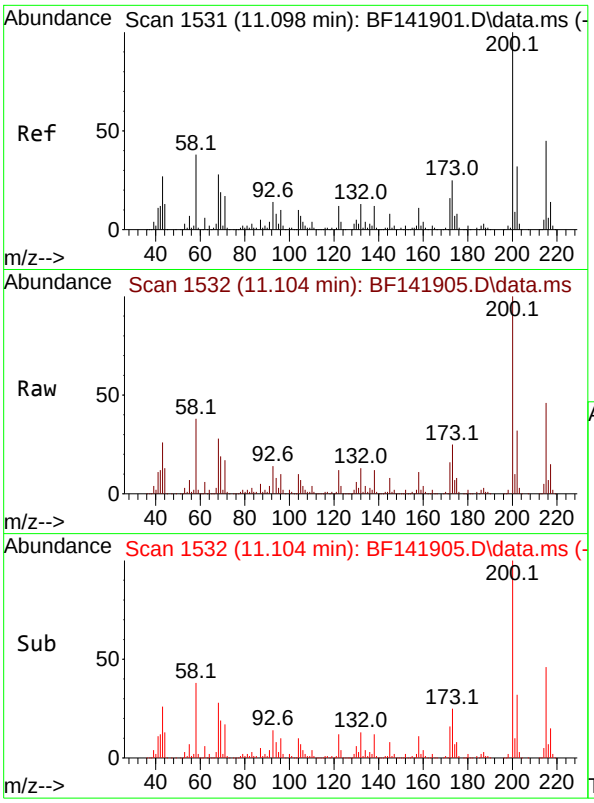




#68
Hexachlorobenzene
Concen: 51.359 ng
RT: 11.016 min Scan# 1517
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:284 Resp: 573467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 30.9 | 27.0 | 40.6 |
| 249 | 30.8 | 25.2 | 37.8 |



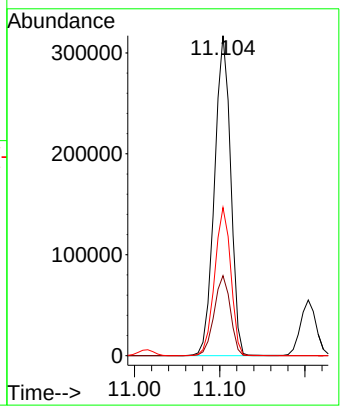


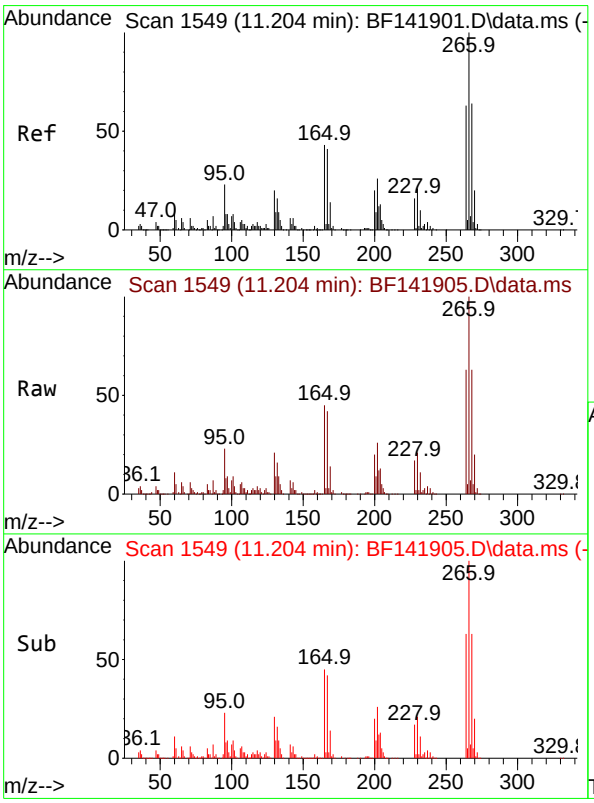

#69
Atrazine
Concen: 65.441 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:200 Resp: 418147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.0 | 4.7 | 44.7 |
| 215 | 46.3 | 25.4 | 65.4 |

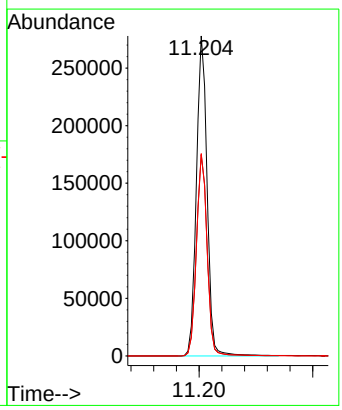


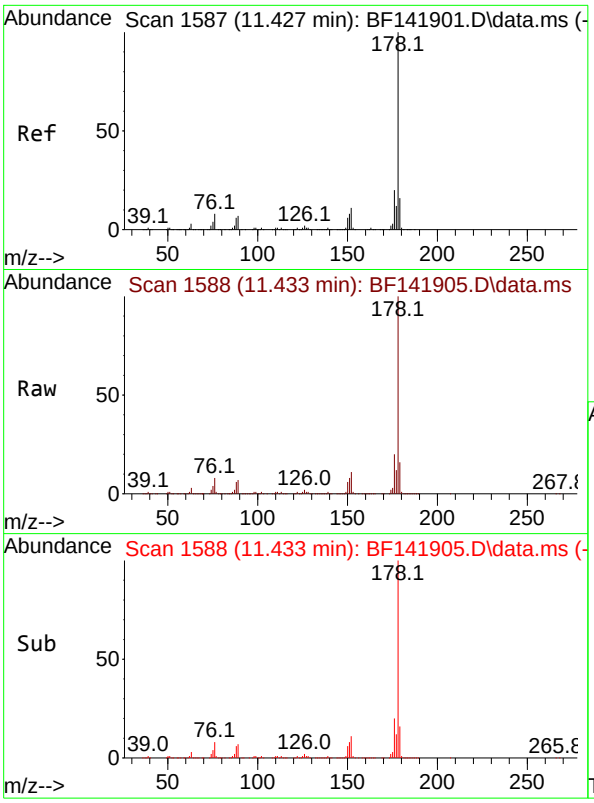




#70
Pentachlorophenol
Concen: 53.050 ng
RT: 11.204 min Scan# 1549
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:266 Resp: 365292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 62.9 | 51.0 | 76.6 |
| 264 | 63.3 | 50.2 | 75.2 |



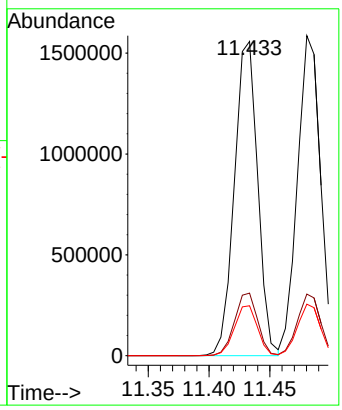


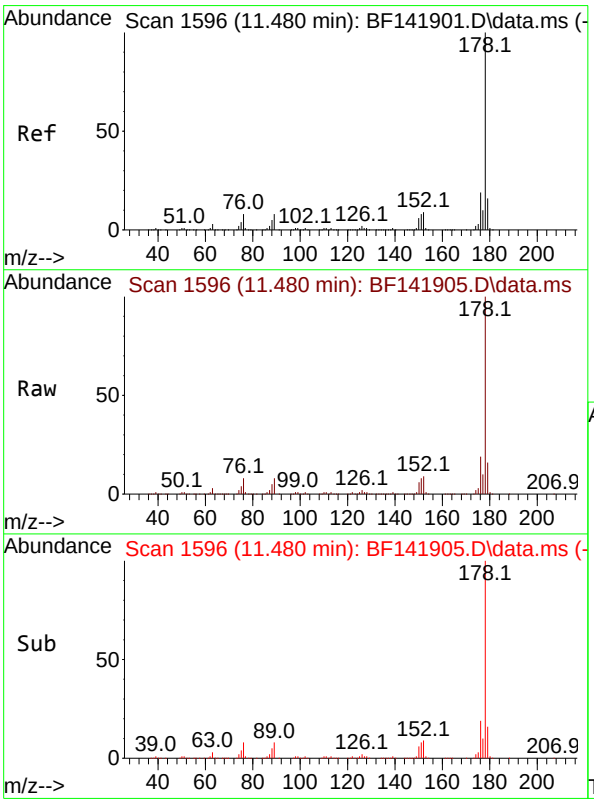

#71
Phenanthrene
Concen: 47.434 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:178 Resp: 2080633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.9 | 15.8 | 23.8 |
| 179 | 15.9 | 12.6 | 19.0 |

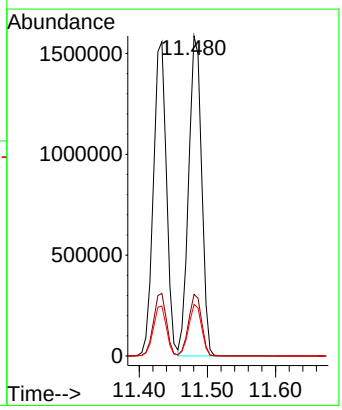


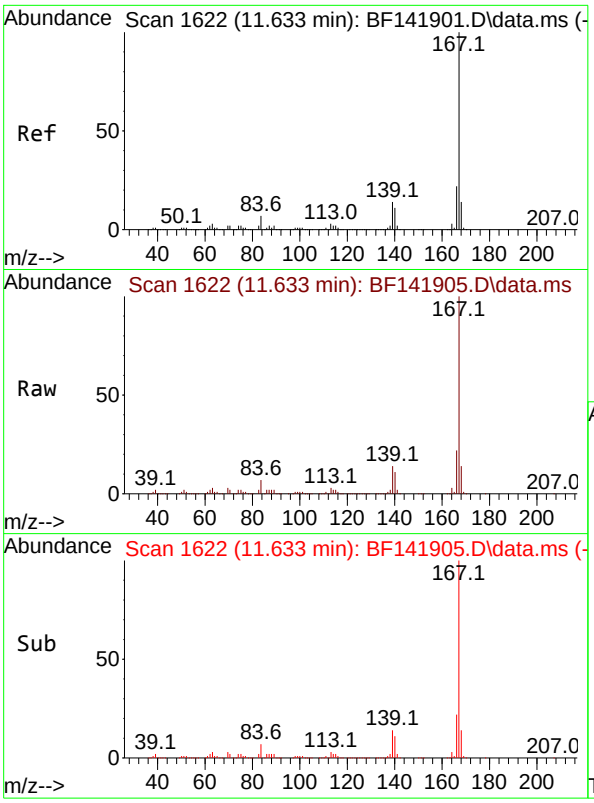




#72
Anthracene
Concen: 47.299 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:178 Resp: 2081490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.1 | 22.7 |
| 179 | 16.1 | 12.6 | 19.0 |



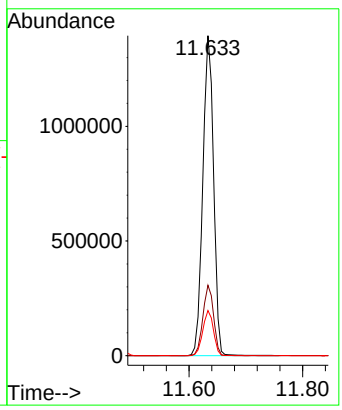


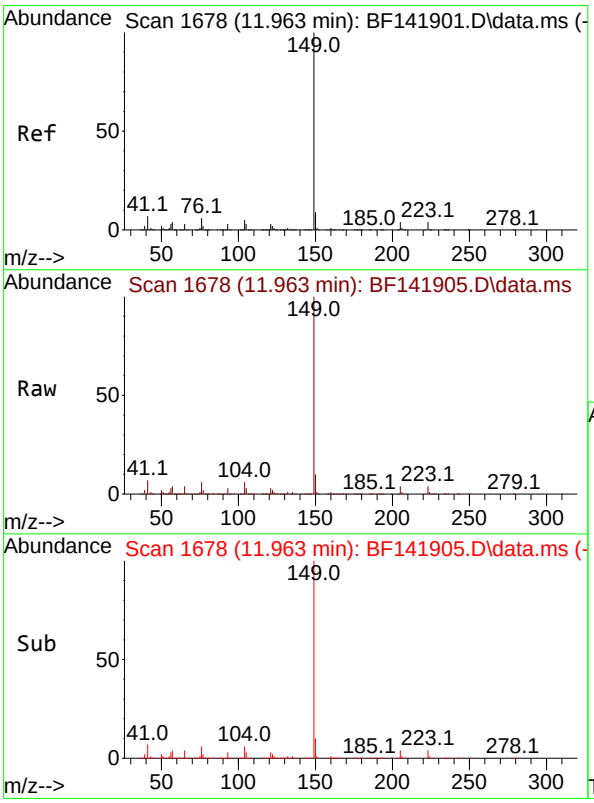

#73
Carbazole
Concen: 48.338 ng
RT: 11.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:167 Resp: 1831424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.0 | 17.4 | 26.2 |
| 139 | 14.1 | 11.0 | 16.6 |

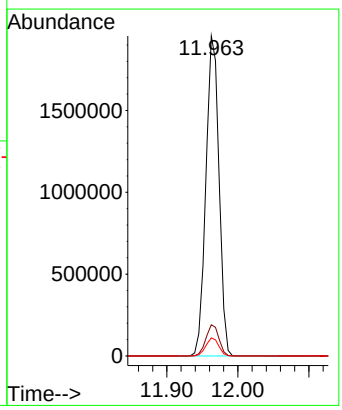


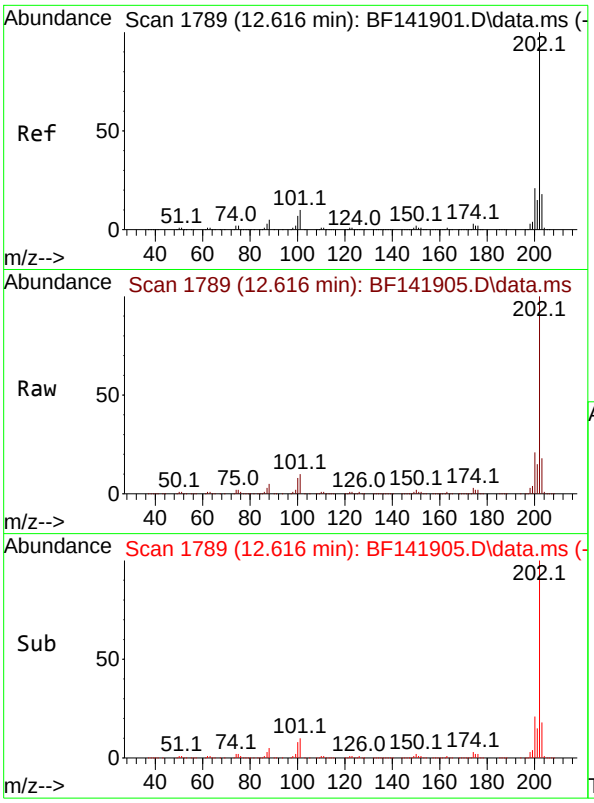




#74
Di-n-butylphthalate
Concen: 50.185 ng
RT: 11.963 min Scan# 1678
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:149 Resp: 2510447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.8 | 7.6 | 11.4 |
| 104 | 5.6 | 4.4 | 6.6 |



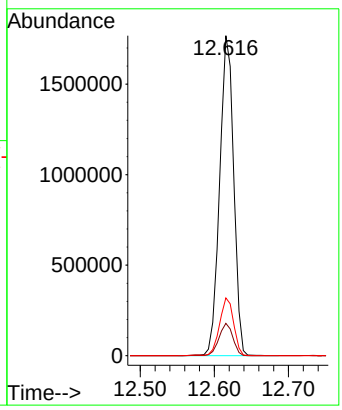


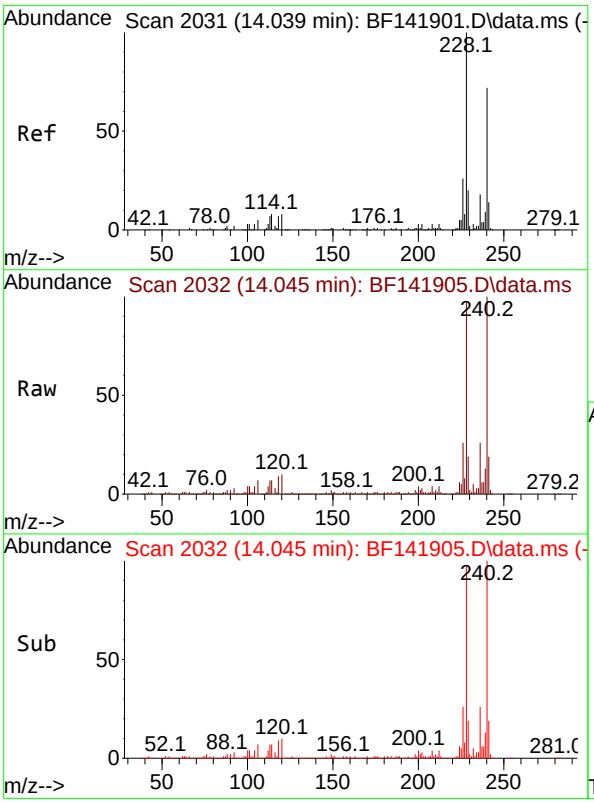

#75
Fluoranthene
Concen: 50.564 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:202 Resp: 2328357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.1 | 0.0 | 29.7 |
| 203 | 18.1 | 0.0 | 37.8 |

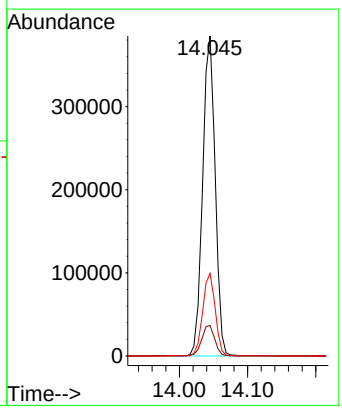


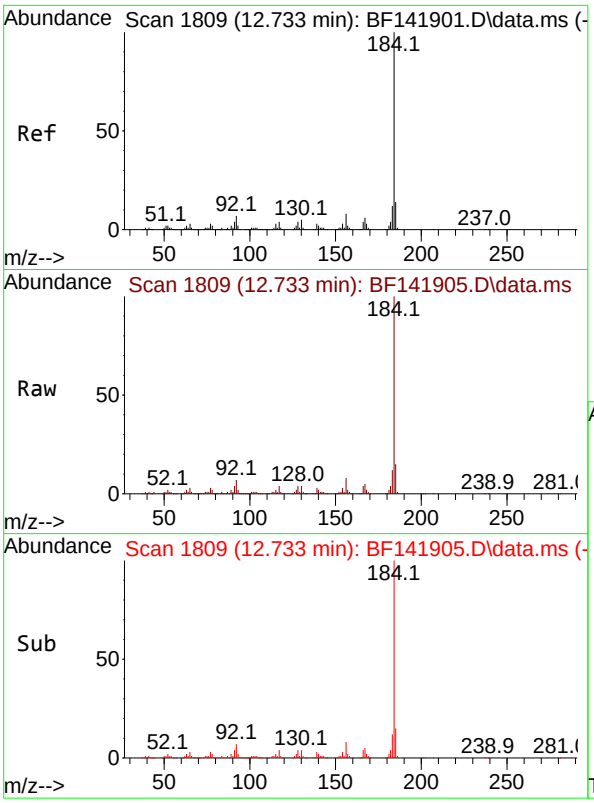




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:240 Resp: 491943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.5 | 8.4 | 12.6 |
| 236 | 25.8 | 20.5 | 30.7 |



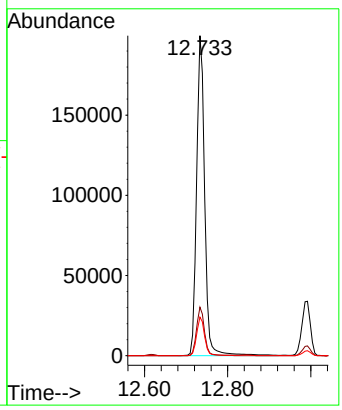


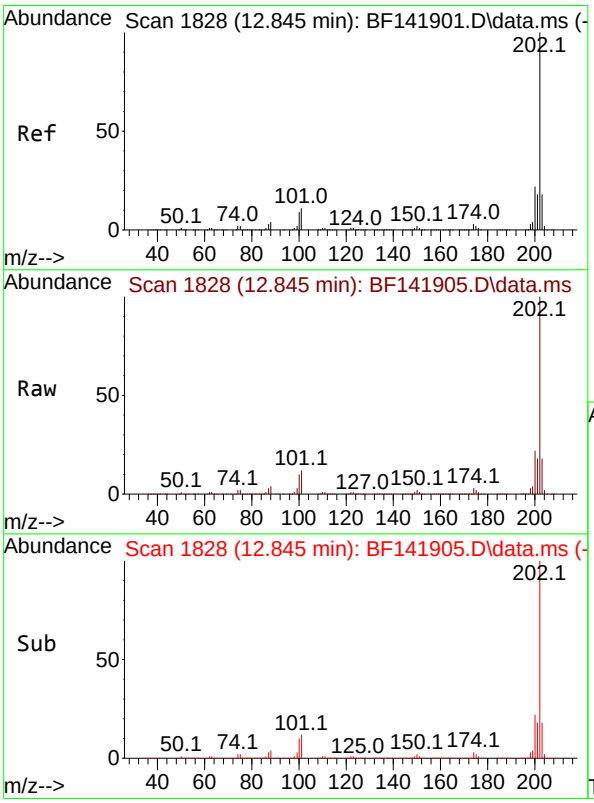

#77
Benzidine
Concen: 38.966 ng
RT: 12.733 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:184 Resp: 270893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.1 | 11.5 | 17.3 |
| 183 | 12.0 | 9.7 | 14.5 |

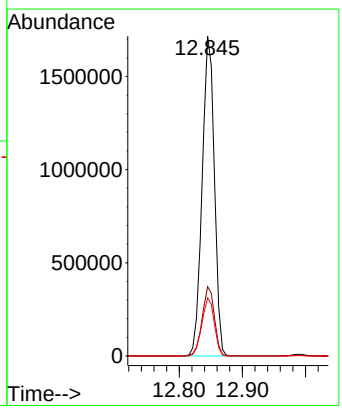


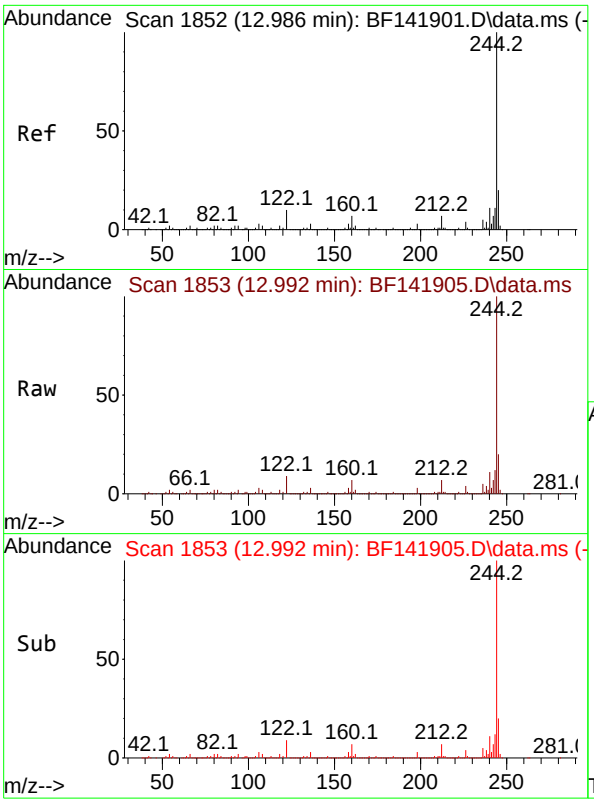




#78
Pyrene
Concen: 54.723 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:202 Resp: 2308671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.6 | 17.3 | 25.9 |
| 203 | 18.2 | 14.4 | 21.6 |



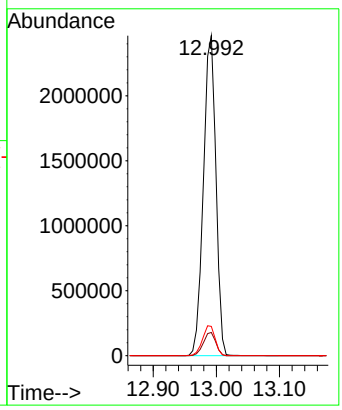


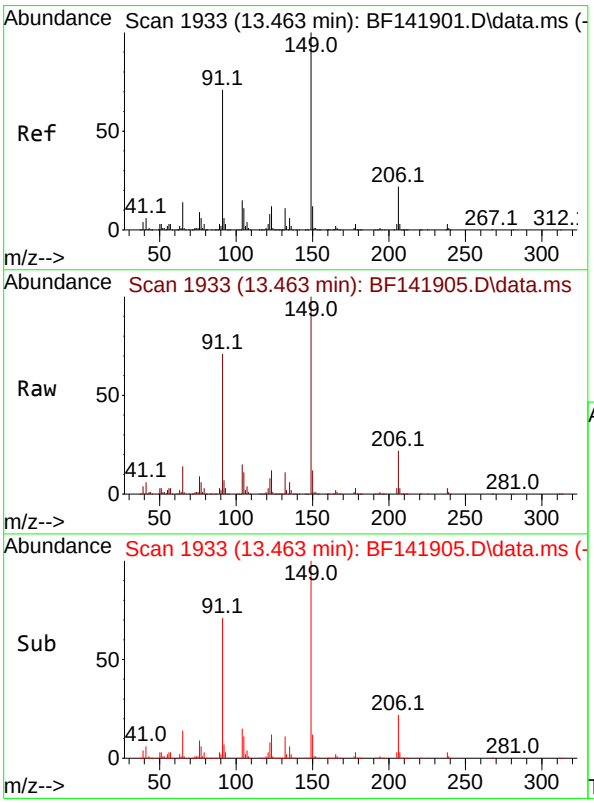

#79
Terphenyl-d14
Concen: 102.007 ng
RT: 12.992 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:244 Resp: 3394803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.3 | 6.0 | 9.0 |
| 122 | 9.2 | 7.7 | 11.5 |

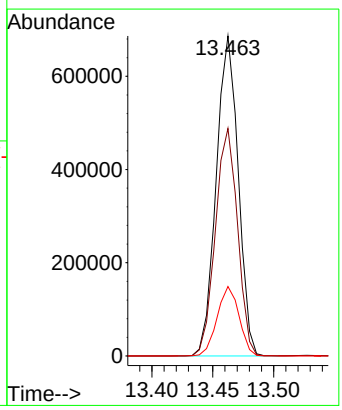


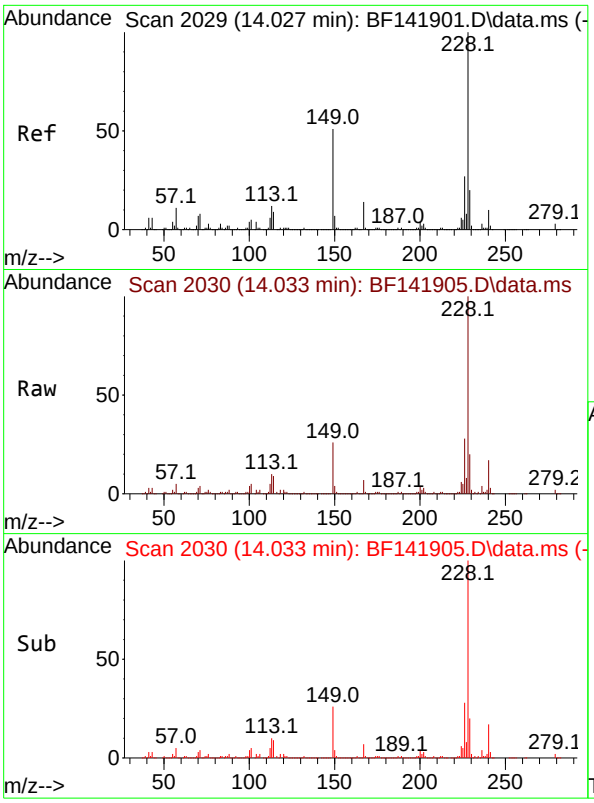




#80
Butylbenzylphthalate
Concen: 52.022 ng
RT: 13.463 min Scan# 1933
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:149 Resp: 864849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 71.1 | 56.5 | 84.7 |
| 206 | 21.7 | 17.3 | 25.9 |



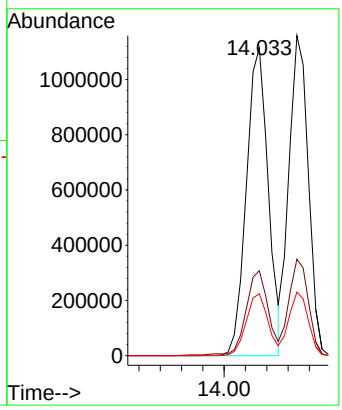


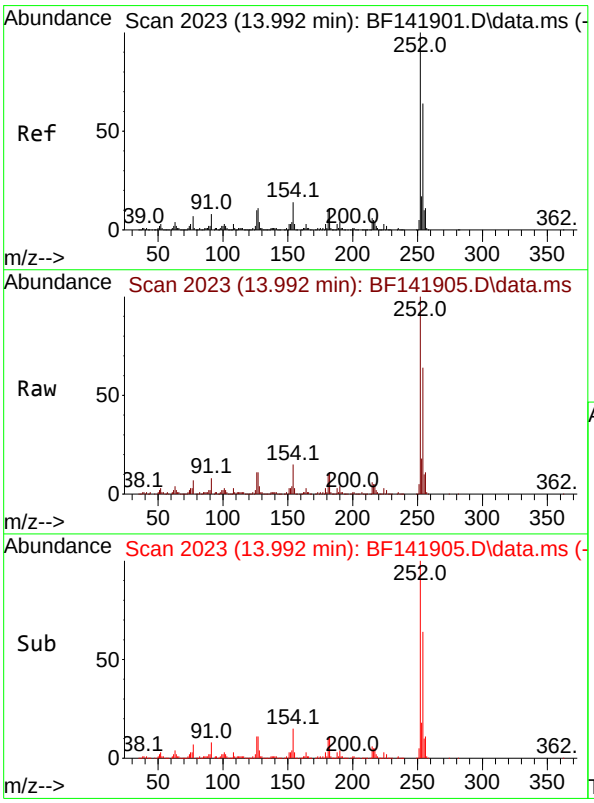

#81
Benzo(a)anthracene
Concen: 49.192 ng
RT: 14.033 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:228 Resp: 1592035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.6 | 21.8 | 32.8 |
| 229 | 20.1 | 16.0 | 24.0 |

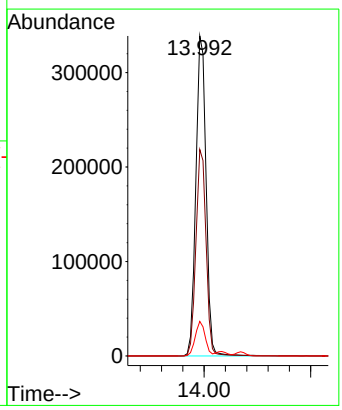


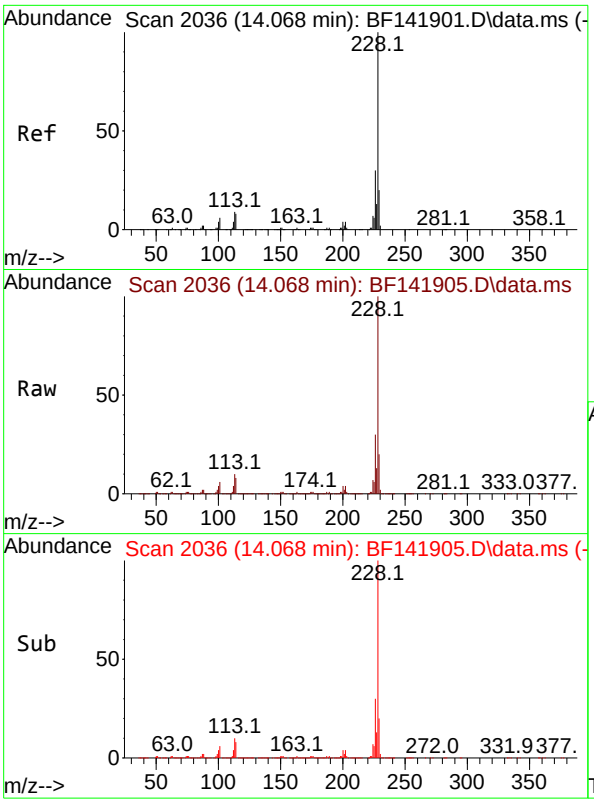




#82
3,3'-Dichlorobenzidine
Concen: 48.044 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:252 Resp: 449408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.5 | 51.0 | 76.6 |
| 126 | 10.8 | 8.4 | 12.6 |



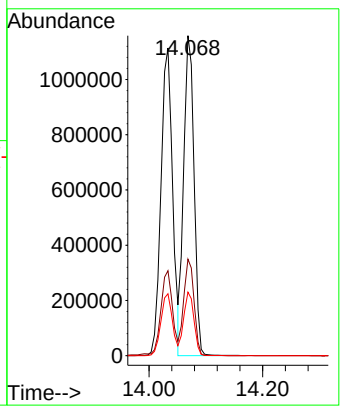


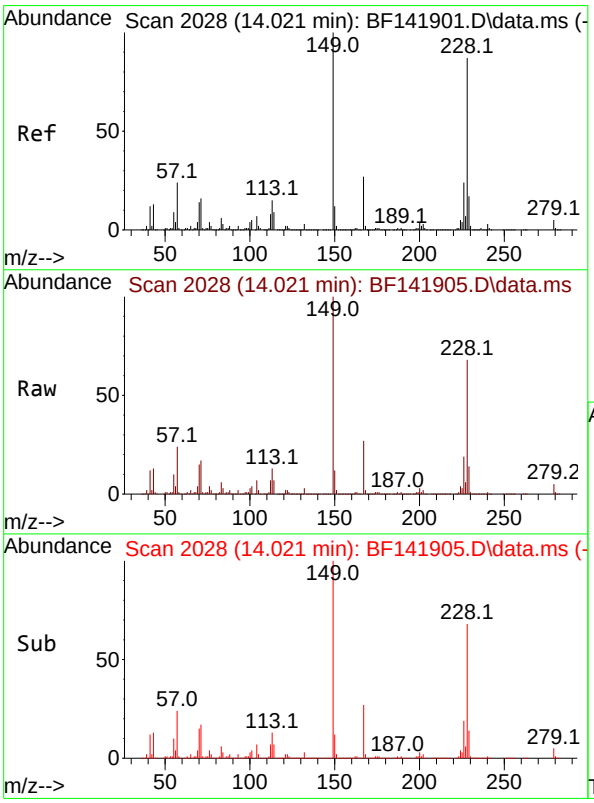

#83
Chrysene
Concen: 50.404 ng
RT: 14.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:228 Resp: 1465389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 24.1 | 36.1 |
| 229 | 19.9 | 15.7 | 23.5 |

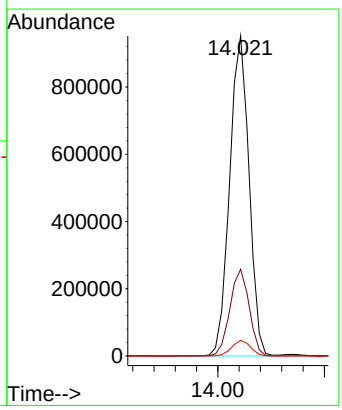


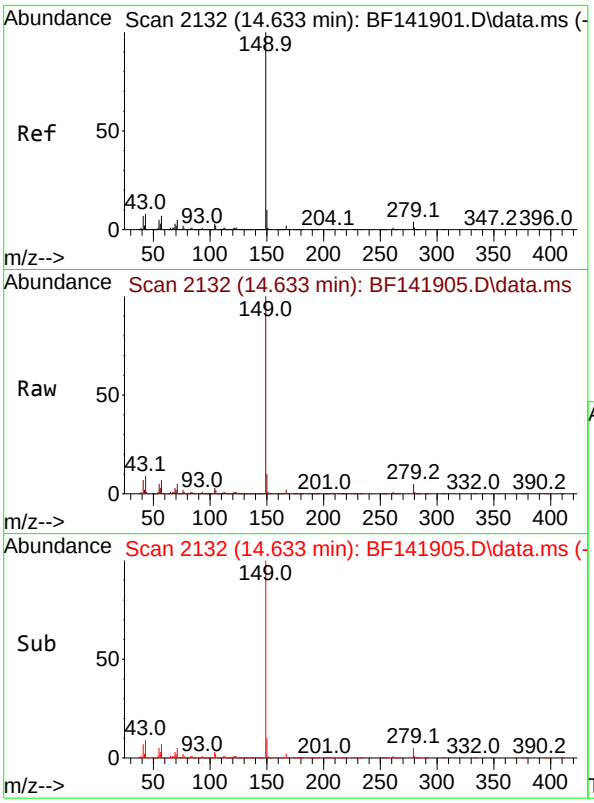




#84
Bis(2-ethylhexyl)phthalate
Concen: 52.747 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:149 Resp: 1203021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.1 | 21.4 | 32.0 |
| 279 | 4.9 | 3.8 | 5.6 |



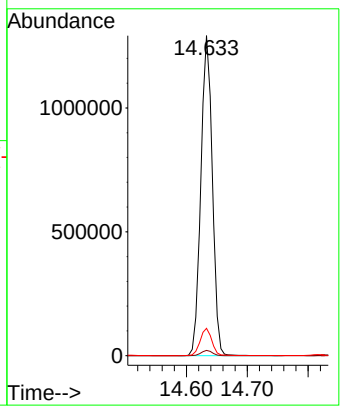


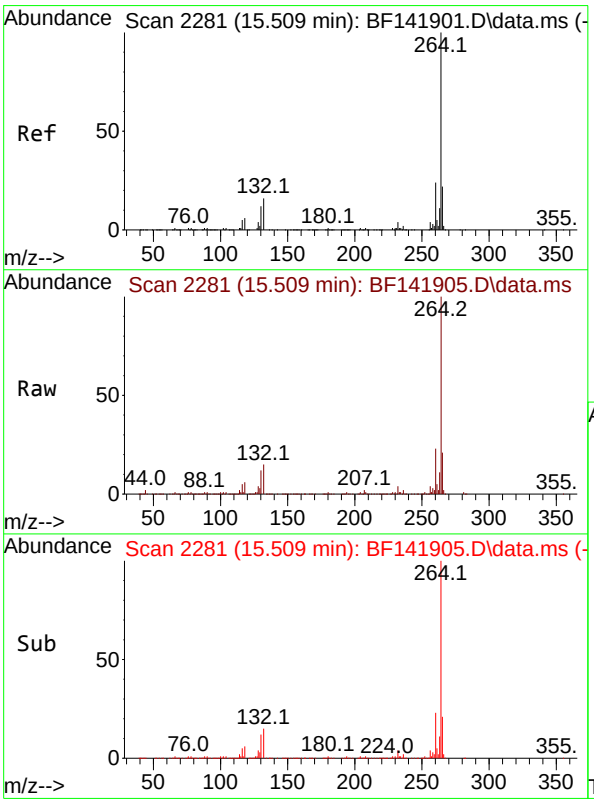

#85
Di-n-octyl phthalate
Concen: 53.307 ng
RT: 14.633 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:149 Resp: 1692206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 8.7 | 6.9 | 10.3 |

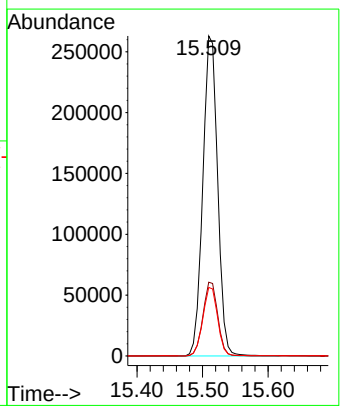


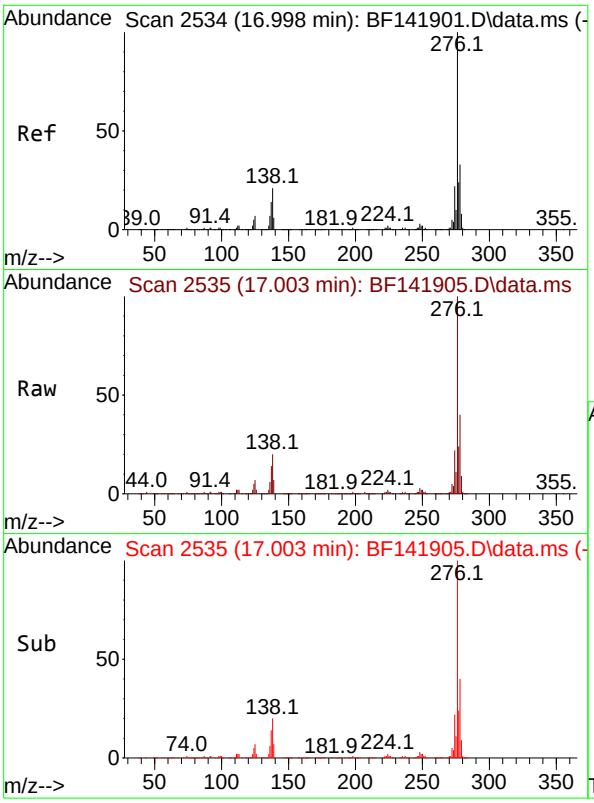




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:264 Resp: 413564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 19.1 | 28.7 |
| 265 | 21.4 | 17.5 | 26.3 |



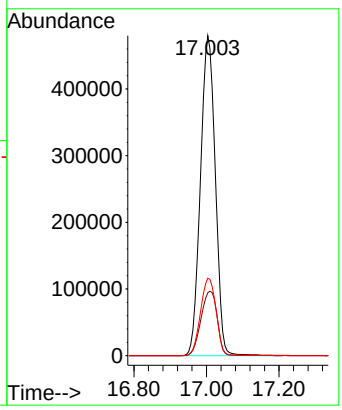


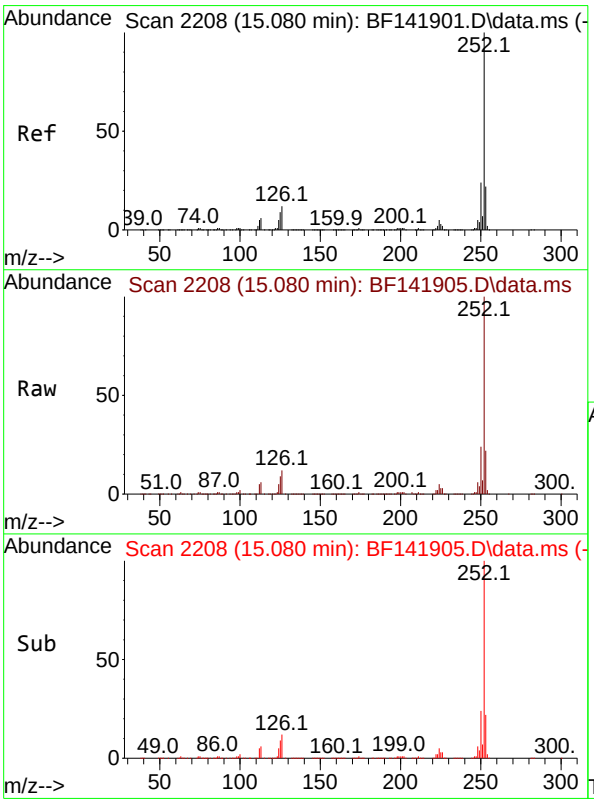

#87
Indeno(1,2,3-cd)pyrene
Concen: 50.969 ng
RT: 17.003 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:276 Resp: 1366974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.9 | 18.4 | 27.6 |
| 277 | 25.3 | 20.3 | 30.5 |

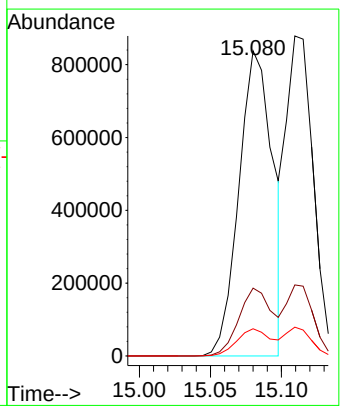


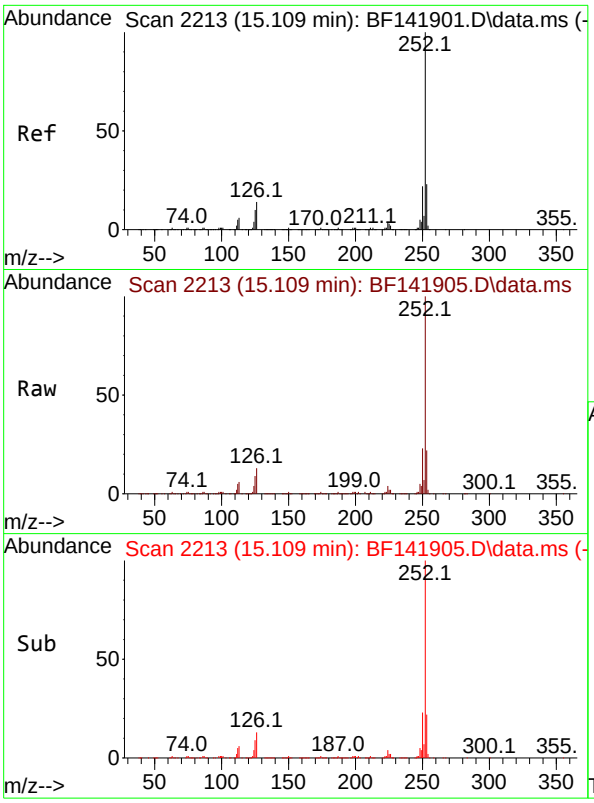




#88
Benzo(b)fluoranthene
Concen: 49.625 ng
RT: 15.080 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:252 Resp: 1392083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.5 | 26.3 |
| 125 | 8.9 | 7.0 | 10.4 |



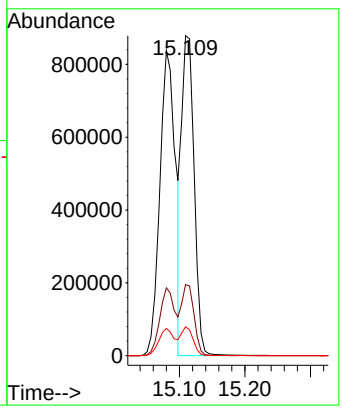


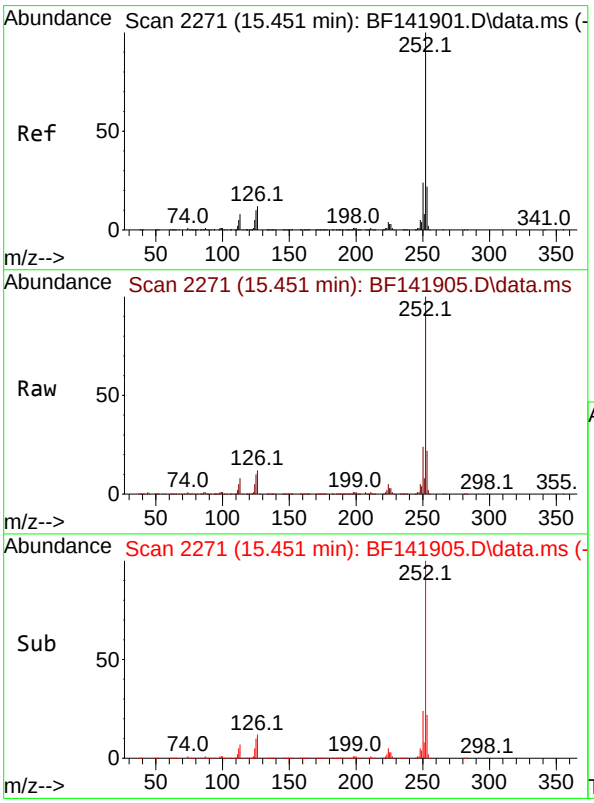

#89
Benzo(k)fluoranthene
Concen: 47.638 ng
RT: 15.109 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:252 Resp: 1167351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.7 | 26.5 |
| 125 | 9.0 | 7.2 | 10.8 |

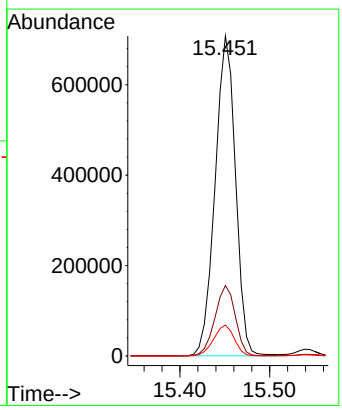


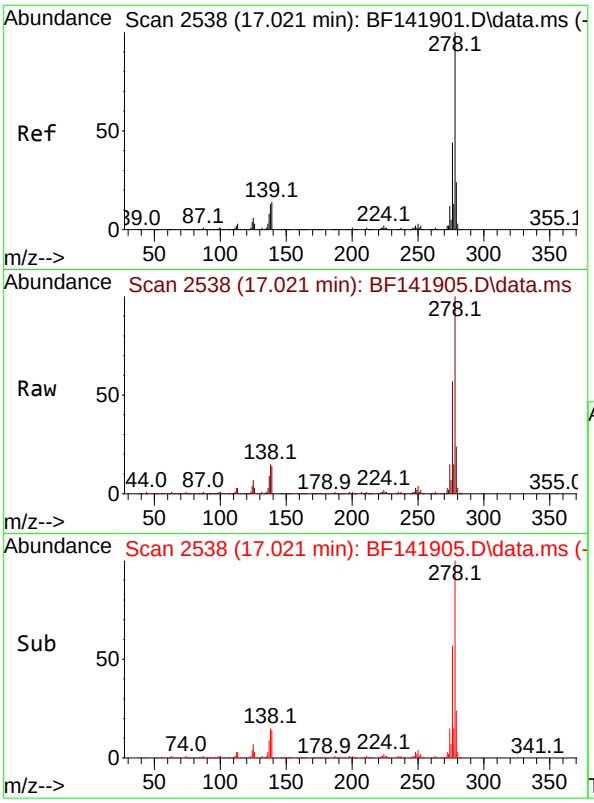




#90
Benzo(a)pyrene
Concen: 50.591 ng
RT: 15.451 min Scan# 2271
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:252 Resp: 1119256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.4 | 26.0 |
| 125 | 9.6 | 7.8 | 11.8 |



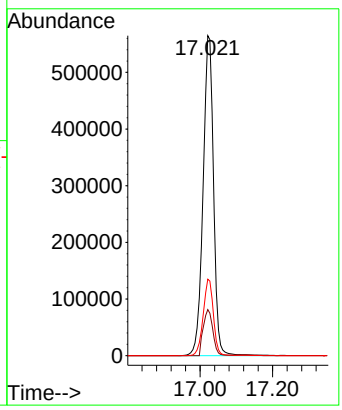


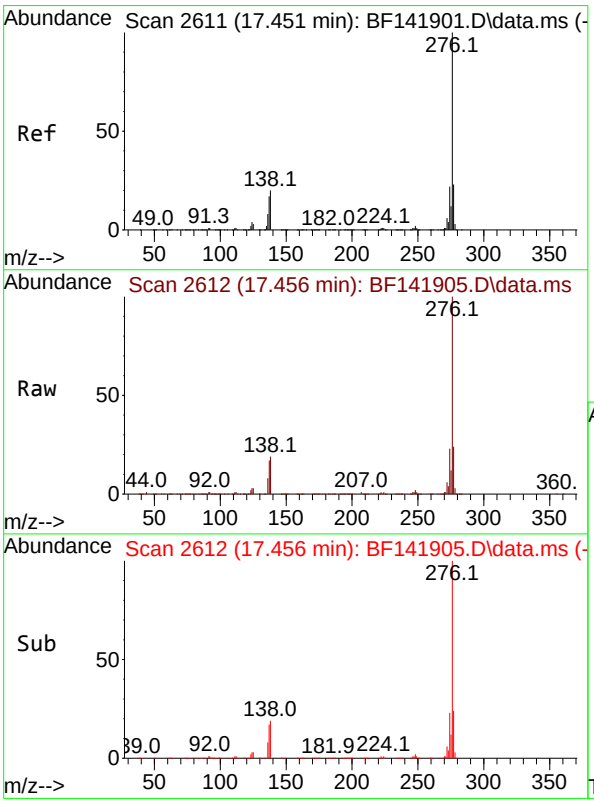

#91
Dibenzo(a,h)anthracene
Concen: 51.149 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC050

Tgt Ion:278 Resp: 1131875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.4 | 11.4 | 17.2 |
| 279 | 23.9 | 18.8 | 28.2 |

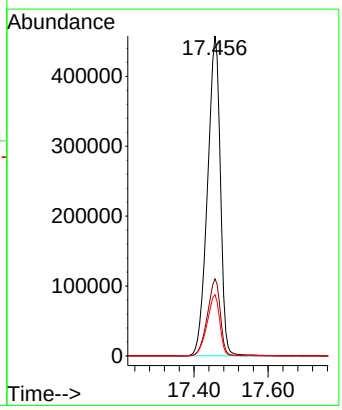



#92
Benzo(g,h,i)perylene
Concen: 50.106 ng
RT: 17.456 min Scan# 2612
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:276 Resp: 1099760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.1 | 18.7 | 28.1 |
| 138 | 19.2 | 15.8 | 23.8 |



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.881 | 152 | 209747 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.163 | 136 | 840616 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.922 | 164 | 483165 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.404 | 188 | 813672 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.039 | 240 | 523890 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.510 | 264 | 426422 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 965473 | 76.823 | ng | 0.00 |
| 7) Phenol-d6 | 6.504 | 99 | 1231487 | 76.962 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.445 | 82 | 1179480 | 78.962 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.710 | 330 | 486334 | 79.342 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.239 | 172 | 2399526 | 75.528 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.986 | 244 | 2825870 | 79.748 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.669 | 88 | 203628 | 38.670 | ng | 99 |
| 3) Pyridine | 3.428 | 79 | 504398 | 39.050 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.387 | 42 | 239879 | 38.959 | ng | 97 |
| 6) Aniline | 6.545 | 93 | 614962 | 38.958 | ng | 98 |
| 8) 2-Chlorophenol | 6.669 | 128 | 539701 | 38.721 | ng | 99 |
| 9) Benzaldehyde | 6.434 | 77 | 339615 | 37.950 | ng | 99 |
| 10) Phenol | 6.516 | 94 | 658449 | 39.115 | ng | 97 |
| 11) bis(2-Chloroethyl)ether | 6.616 | 93 | 483438 | 38.246 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.822 | 146 | 577700 | 38.391 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 6.898 | 146 | 584132 | 38.366 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.051 | 146 | 555621 | 38.744 | ng | 100 |
| 15) Benzyl Alcohol | 7.022 | 79 | 509792 | 39.408 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157 | 45 | 569783 | 37.338 | ng | 100 |
| 17) 2-Methylphenol | 7.128 | 107 | 429715 | 38.775 | ng | 99 |
| 18) Hexachloroethane | 7.392 | 117 | 221507 | 38.797 | ng | 100 |
| 19) n-Nitroso-di-n-propyla... | 7.298 | 70 | 391096 | 38.038 | ng | 100 |
| 20) 3+4-Methylphenols | 7.281 | 107 | 548208 | 38.619 | ng | 99 |
| 22) Acetophenone | 7.292 | 105 | 757917 | 37.650 | ng | 98 |
| 24) Nitrobenzene | 7.463 | 77 | 578836 | 38.980 | ng | 99 |
| 25) Isophorone | 7.704 | 82 | 1007659 | 38.163 | ng | 100 |
| 26) 2-Nitrophenol | 7.775 | 139 | 294657 | 40.429 | ng | 96 |
| 27) 2,4-Dimethylphenol | 7.810 | 122 | 385504 | 38.414 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.910 | 93 | 628379 | 37.943 | ng | 100 |
| 29) 2,4-Dichlorophenol | 8.016 | 162 | 485205 | 38.952 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.104 | 180 | 526250 | 38.336 | ng | 100 |
| 31) Naphthalene | 8.187 | 128 | 1633401 | 37.827 | ng | 100 |
| 32) Benzoic acid | 7.928 | 122 | 373179 | 42.303 | ng | 99 |
| 33) 4-Chloroaniline | 8.228 | 127 | 592172 | 38.847 | ng | 99 |
| 34) Hexachlorobutadiene | 8.304 | 225 | 347789 | 38.849 | ng | 99 |
| 35) Caprolactam | 8.604 | 113 | 141562 | 37.276 | ng | 98 |
| 36) 4-Chloro-3-methylphenol | 8.704 | 107 | 535661 | 38.550 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.875 | 142 | 1094895 | 37.935 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.975 | 142 | 1071850 | 38.484 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.039 | 216 | 561804 | 38.191 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 9.028 | 237 | 220386 | 38.281 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 9.151 | 196 | 377743 | 39.292 | ng | 100 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.186 | 196 | 372564 | 38.263 | ng | 99 |
| 46) 1,1'-Biphenyl | 9.339 | 154 | 1401736 | 38.182 | ng | 100 |
| 47) 2-Chloronaphthalene | 9.363 | 162 | 1042241 | 38.090 | ng | 99 |
| 48) 2-Nitroaniline | 9.457 | 65 | 308259 | 38.908 | ng | 99 |
| 49) Acenaphthylene | 9.781 | 152 | 1531852 | 37.725 | ng | 100 |
| 50) Dimethylphthalate | 9.639 | 163 | 1272572 | 37.611 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.698 | 165 | 274531 | 38.970 | ng | 99 |
| 52) Acenaphthene | 9.951 | 154 | 1095922 | 38.405 | ng | 100 |
| 53) 3-Nitroaniline | 9.869 | 138 | 275555 | 38.561 | ng | 99 |
| 54) 2,4-Dinitrophenol | 9.969 | 184 | 142831 | 39.326 | ng | 95 |
| 55) Dibenzofuran | 10.122 | 168 | 1540381 | 37.778 | ng | 100 |
| 56) 4-Nitrophenol | 10.016 | 139 | 212462 | 39.425 | ng | 99 |
| 57) 2,4-Dinitrotoluene | 10.104 | 165 | 361518 | 39.291 | ng | 99 |
| 58) Fluorene | 10.469 | 166 | 1175392 | 37.381 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232 | 346168 | 39.070 | ng | 99 |
| 60) Diethylphthalate | 10.339 | 149 | 1293401 | 38.337 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204 | 627404 | 38.272 | ng | 99 |
| 62) 4-Nitroaniline | 10.480 | 138 | 270993 | 38.953 | ng | 99 |
| 63) Azobenzene | 10.622 | 77 | 1189121 | 37.911 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198 | 200888 | 41.415 | ng | 99 |
| 66) n-Nitrosodiphenylamine | 10.575 | 169 | 1008029 | 38.283 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 10.951 | 248 | 398683 | 39.015 | ng | 98 |
| 68) Hexachlorobenzene | 11.016 | 284 | 445938 | 39.789 | ng | 96 |
| 69) Atrazine | 11.098 | 200 | 257856 | 31.945 | ng | 99 |
| 70) Pentachlorophenol | 11.204 | 266 | 289713 | 41.955 | ng | 100 |
| 71) Phenanthrene | 11.427 | 178 | 1685770 | 38.357 | ng | 100 |
| 72) Anthracene | 11.480 | 178 | 1675103 | 37.991 | ng | 100 |
| 73) Carbazole | 11.633 | 167 | 1451333 | 38.167 | ng | 99 |
| 74) Di-n-butylphthalate | 11.963 | 149 | 1953516 | 38.717 | ng | 100 |
| 75) Fluoranthene | 12.616 | 202 | 1750317 | 37.545 | ng | 100 |
| 77) Benzidine | 12.733 | 184 | 420377 | 57.513 | ng | 100 |
| 78) Pyrene | 12.845 | 202 | 1746456 | 38.539 | ng | 100 |
| 80) Butylbenzylphthalate | 13.463 | 149 | 723288 | 40.778 | ng | 99 |
| 81) Benzo(a)anthracene | 14.027 | 228 | 1347977 | 39.211 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.992 | 252 | 380866 | 38.337 | ng | 100 |
| 83) Chrysene | 14.068 | 228 | 1159074 | 37.195 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149 | 1006170 | 41.142 | ng | 99 |
| 85) Di-n-octyl phthalate | 14.633 | 149 | 1394136 | 40.971 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 17.004 | 276 | 1061096 | 38.467 | ng | 99 |
| 88) Benzo(b)fluoranthene | 15.080 | 252 | 1166263 | 39.906 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.110 | 252 | 869471 | 34.765 | ng | 100 |
| 90) Benzo(a)pyrene | 15.451 | 252 | 882967 | 38.612 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 17.021 | 278 | 886038 | 38.931 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.451 | 276 | 855812 | 38.051 | ng | 99 |

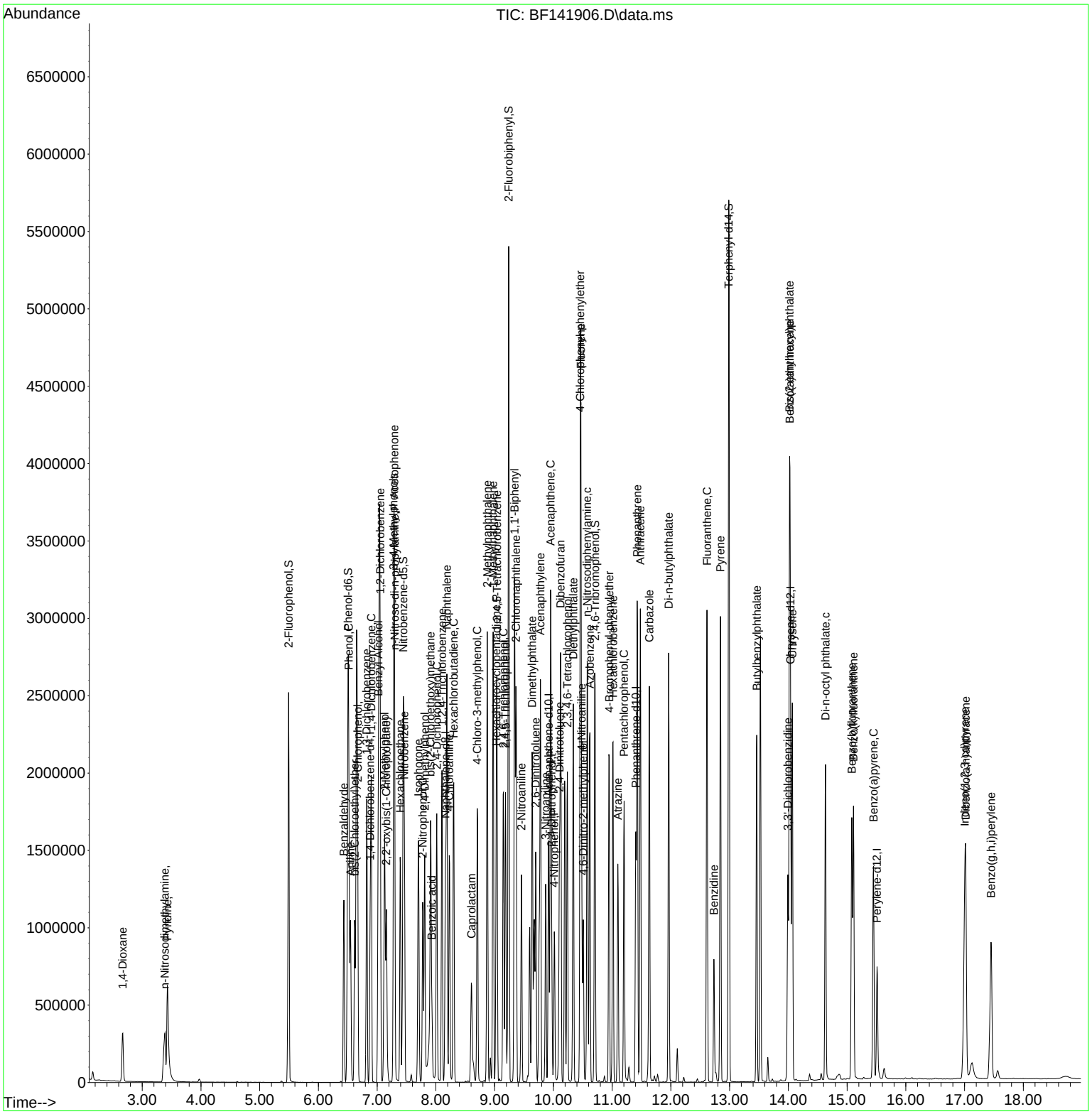
(#) = qualifier out of range (m) = manual integration (+) = signals summed

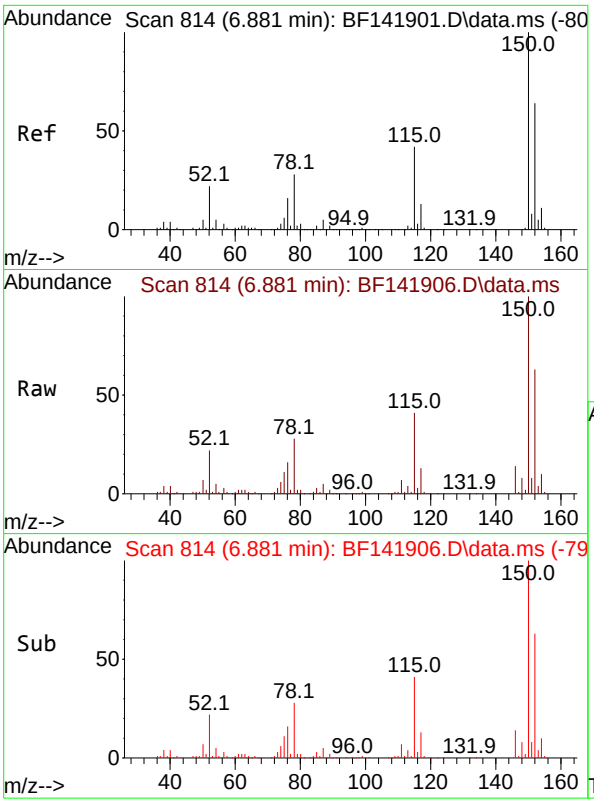
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



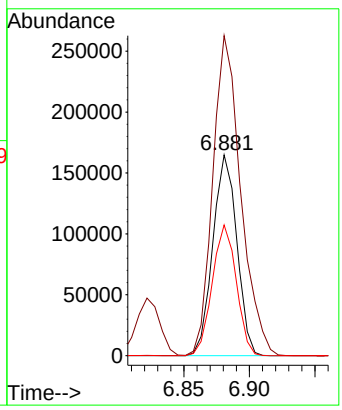


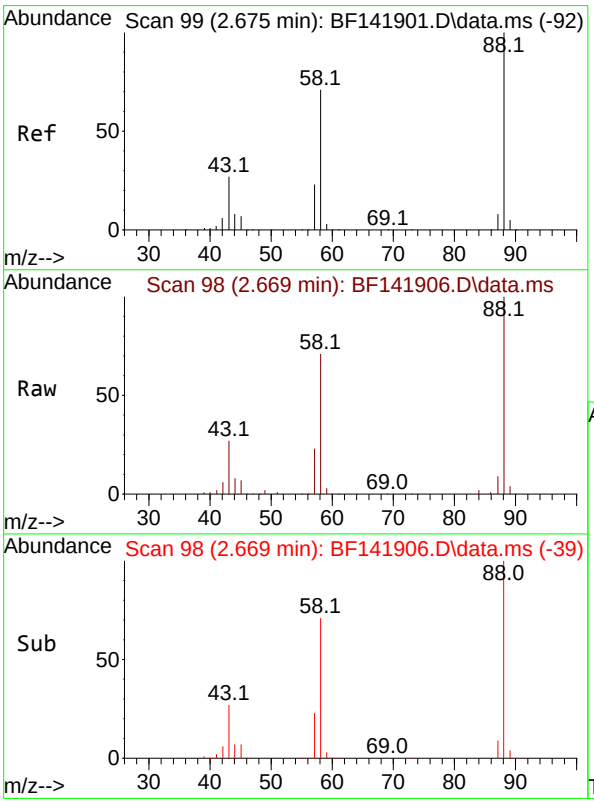

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:152 Resp: 209747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.4 | 127.4 | 191.2 |
| 115 | 65.1 | 51.9 | 77.9 |

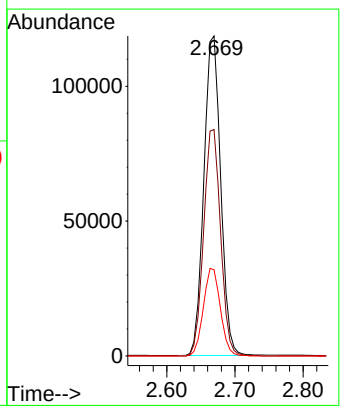


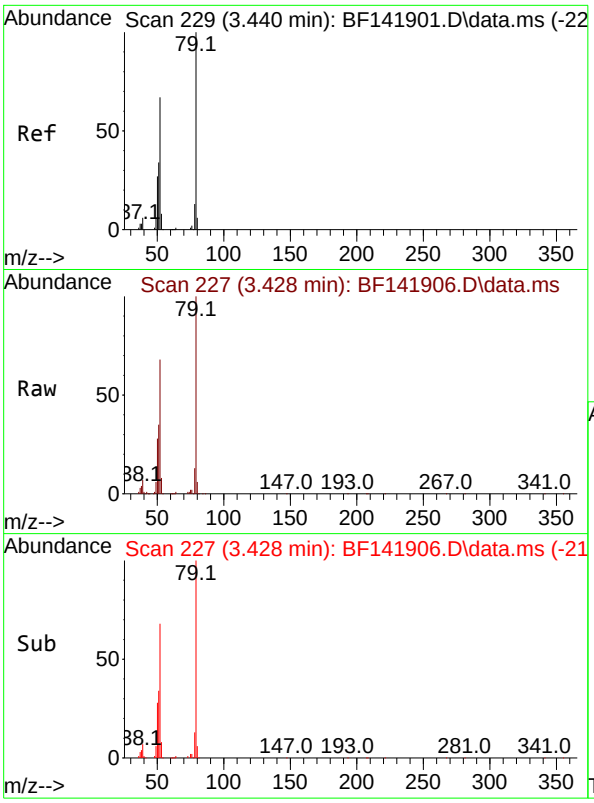




#2
1,4-Dioxane
Concen: 38.670 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 88 Resp: 203628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 71.2 | 57.4 | 86.2 |
| 43 | 27.6 | 21.5 | 32.3 |



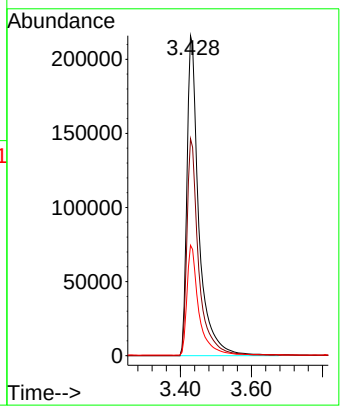


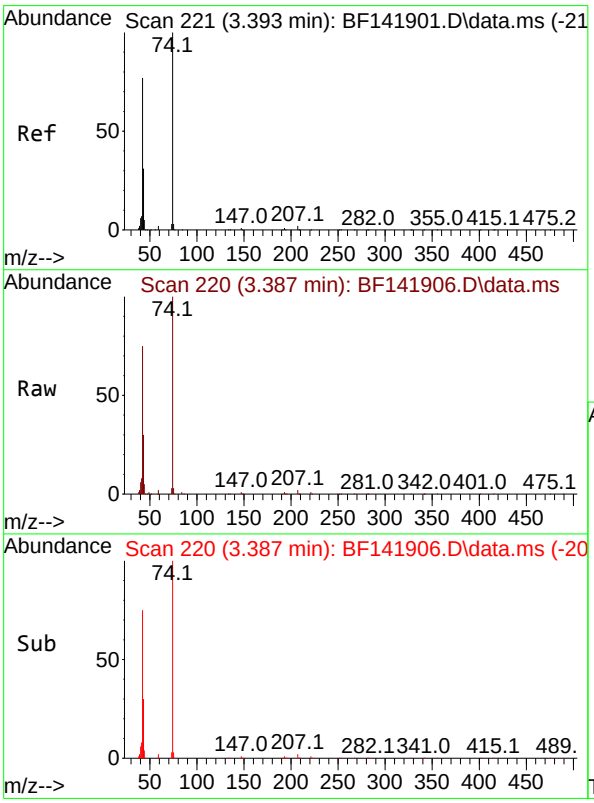

#3
Pyridine
Concen: 39.050 ng
RT: 3.428 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion: 79 Resp: 504398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 67.8 | 53.3 | 79.9 |
| 51 | 34.5 | 27.6 | 41.4 |

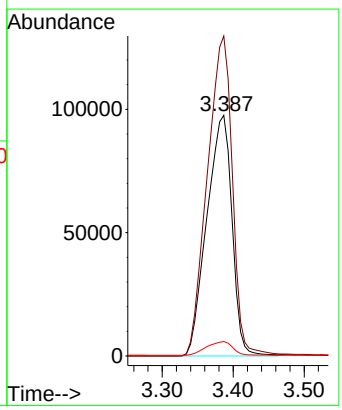


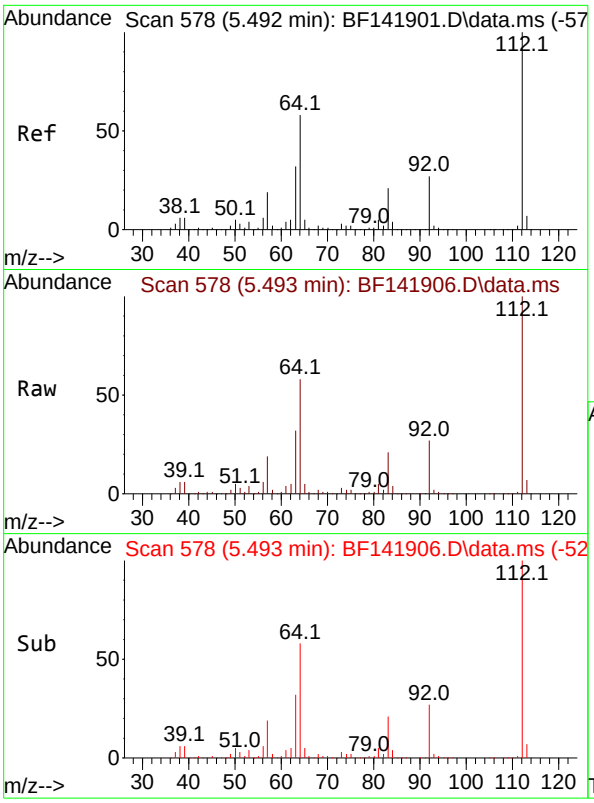




#4
n-Nitrosodimethylamine
Concen: 38.959 ng
RT: 3.387 min Scan# 220
Delta R.T. -0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 42 Resp: 239879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 133.0 | 103.4 | 155.0 |
| 44 | 6.0 | 5.0 | 7.4 |



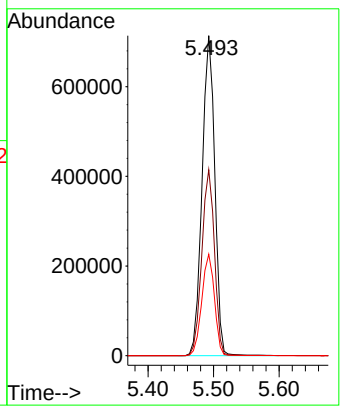


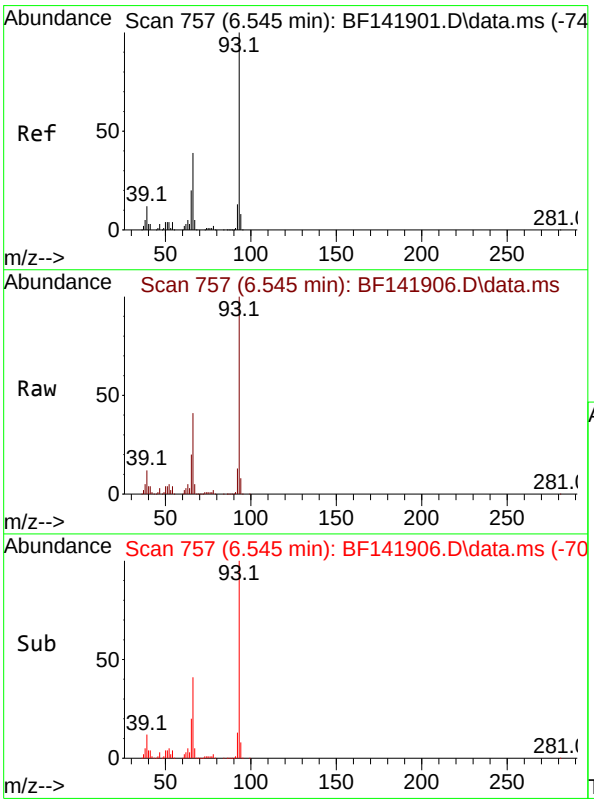

#5
2-Fluorophenol
Concen: 76.823 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:112 Resp: 965473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.1 | 46.5 | 69.7 |
| 63 | 31.7 | 25.4 | 38.2 |

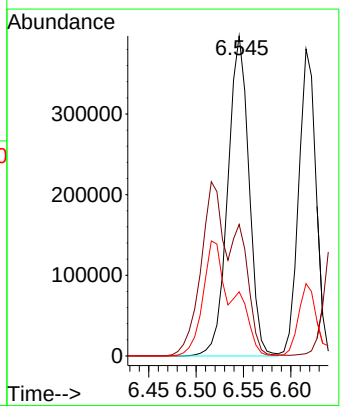


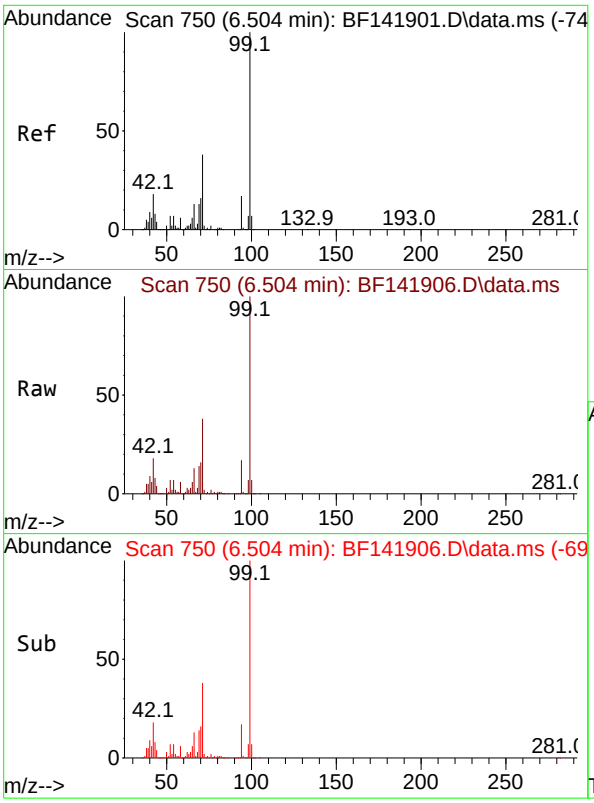




#6
Aniline
Concen: 38.958 ng
RT: 6.545 min Scan# 757
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 93 Resp: 614962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 41.1 | 31.9 | 47.9 |
| 65 | 20.0 | 15.8 | 23.6 |



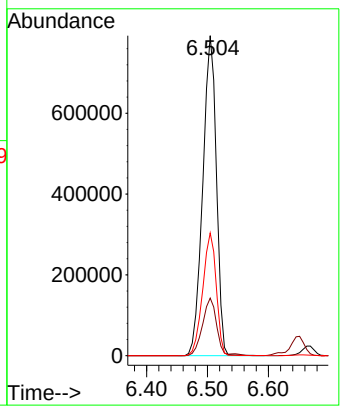


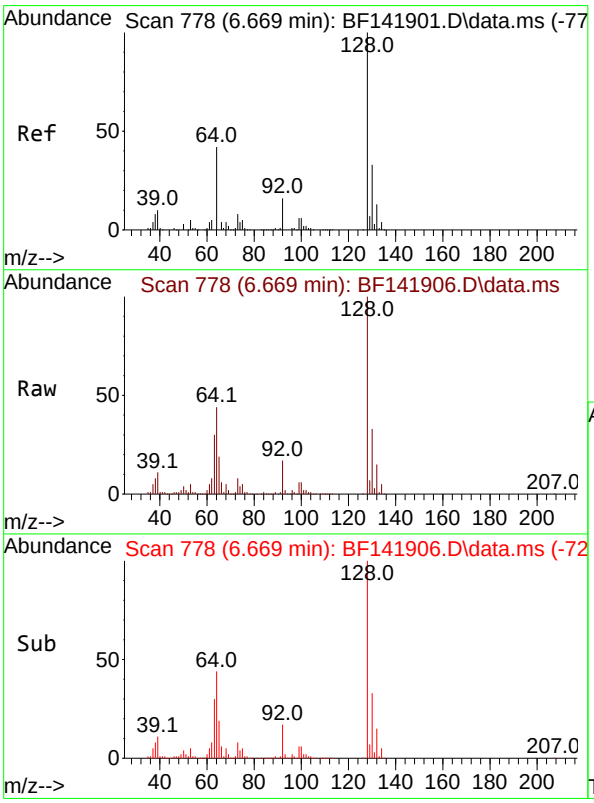

#7
Phenol-d6
Concen: 76.962 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion: 99 Resp: 1231487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.0 | 14.6 | 21.8 |
| 71 | 38.3 | 30.8 | 46.2 |

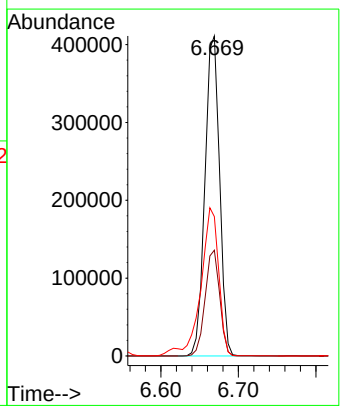


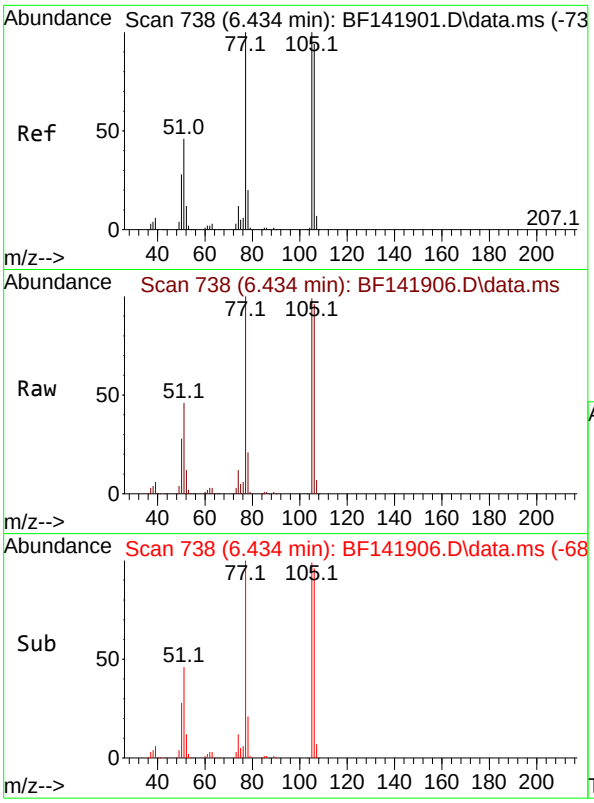




#8
2-Chlorophenol
Concen: 38.721 ng
RT: 6.669 min Scan# 778
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:128 Resp: 539701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.0 | 12.8 | 52.8 |
| 64 | 43.6 | 24.4 | 64.4 |



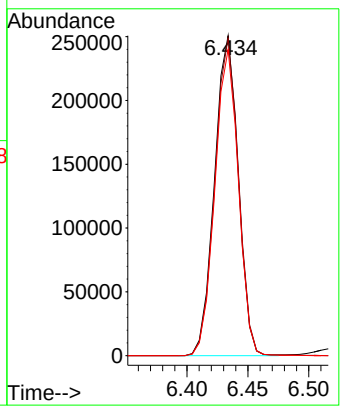


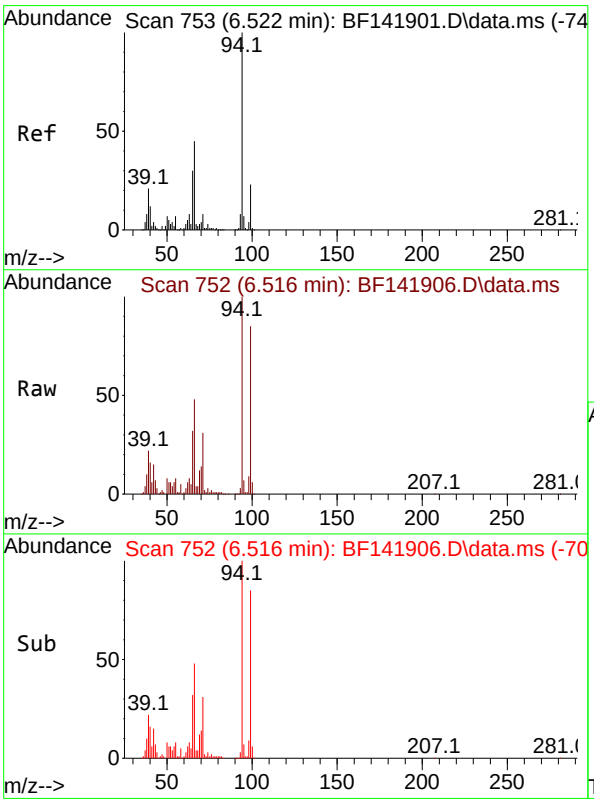

#9
Benzaldehyde
Concen: 37.950 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion: 77 Resp: 339615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 99.2 | 80.0 | 120.0 |
| 106 | 95.7 | 74.5 | 114.5 |

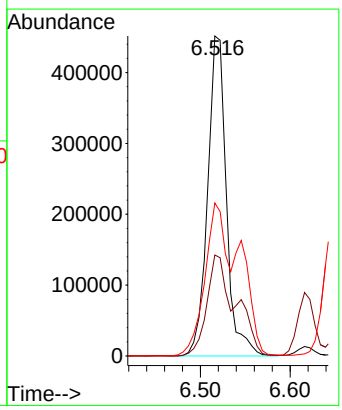


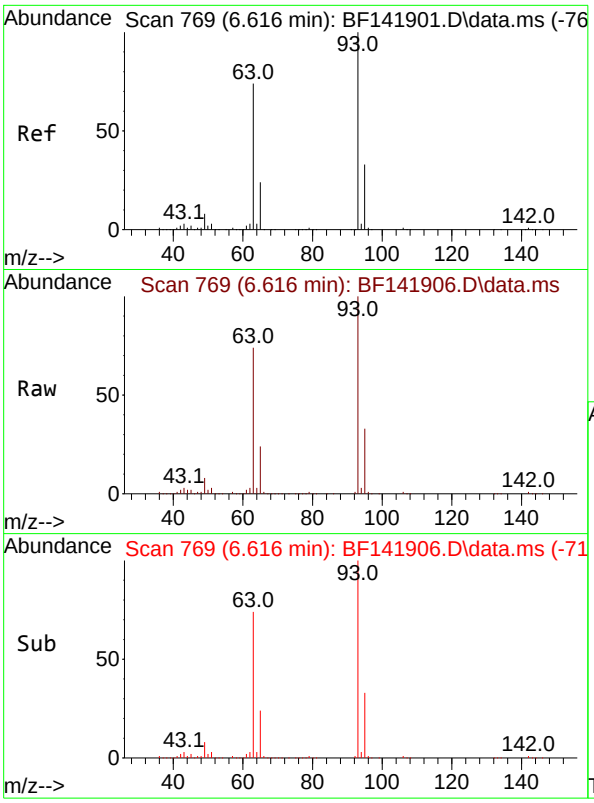




#10
Phenol
Concen: 39.115 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 94 Resp: 658449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 31.6 | 10.5 | 50.5 |
| 66 | 47.8 | 25.8 | 65.8 |



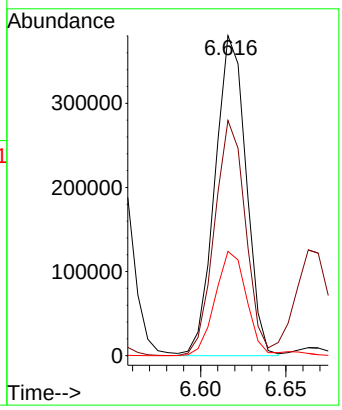


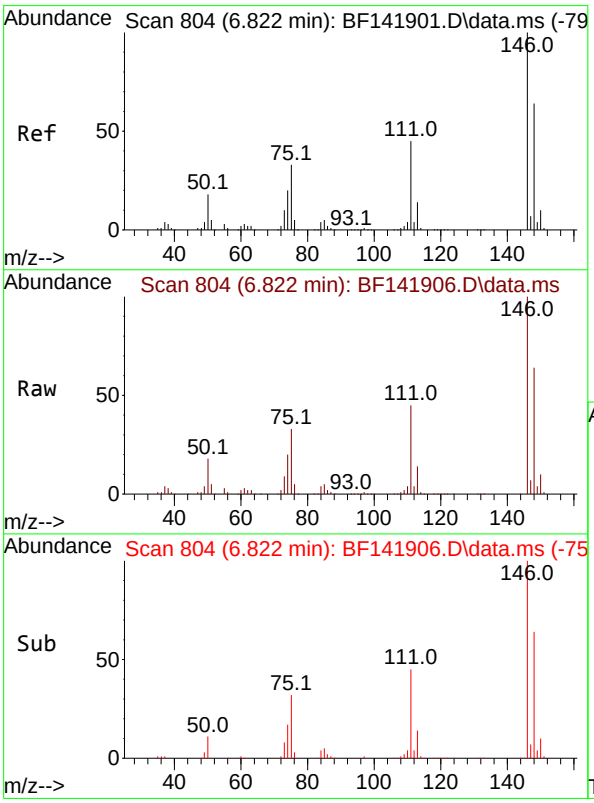

#11
bis(2-Chloroethyl)ether
Concen: 38.246 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion: 93 Resp: 483438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 73.5 | 53.0 | 93.0 |
| 95 | 32.6 | 12.9 | 52.9 |

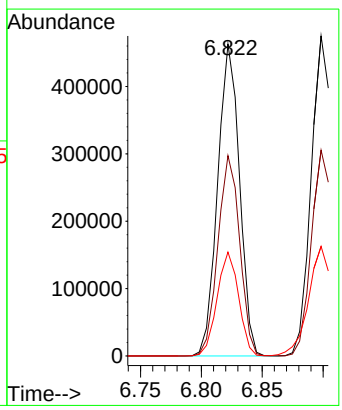


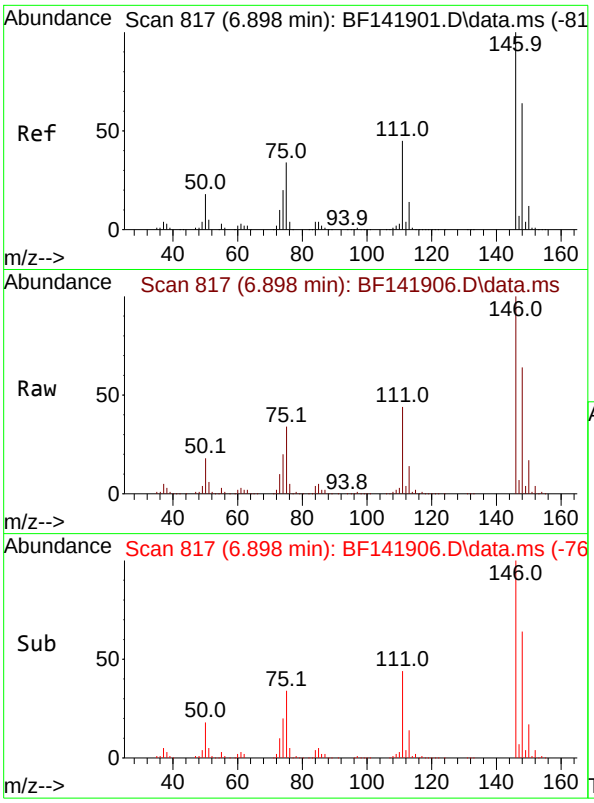




#12
1,3-Dichlorobenzene
Concen: 38.391 ng
RT: 6.822 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:146 Resp: 577700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.2 | 51.3 | 76.9 |
| 75 | 33.3 | 26.6 | 40.0 |



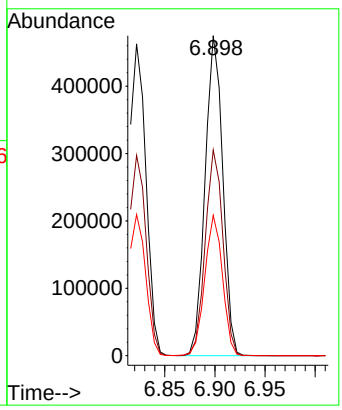


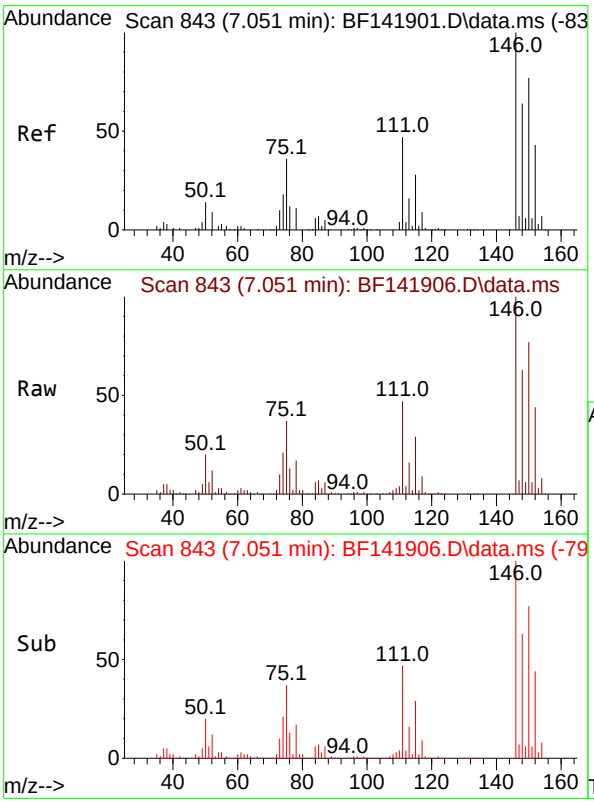

#13
1,4-Dichlorobenzene
Concen: 38.366 ng
RT: 6.898 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:146 Resp: 584132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.3 | 51.0 | 76.6 |
| 111 | 43.8 | 35.7 | 53.5 |

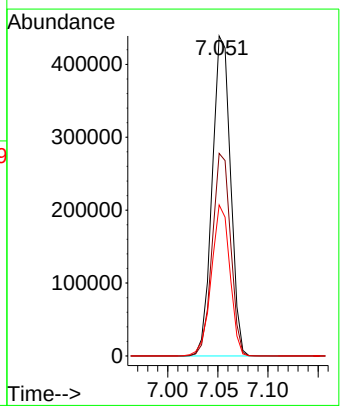


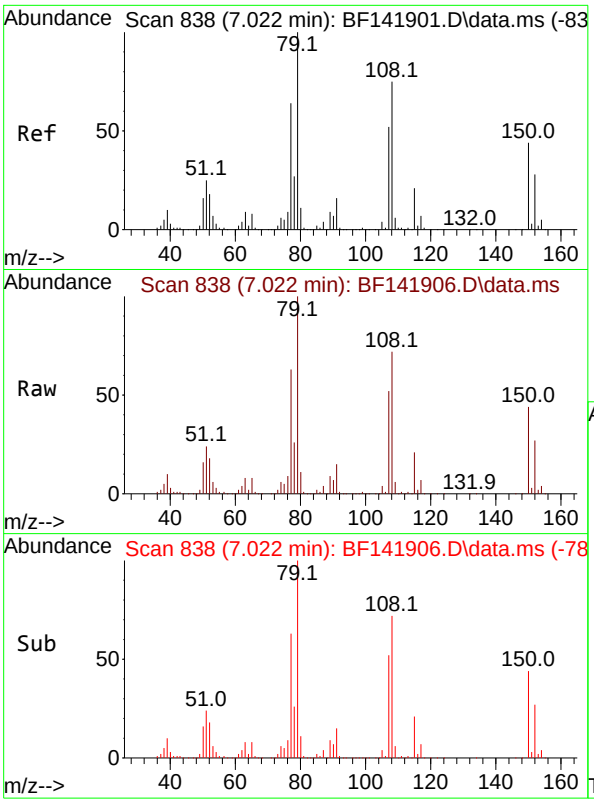




#14
1,2-Dichlorobenzene
Concen: 38.744 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:146 Resp: 555621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.3 | 50.8 | 76.2 |
| 111 | 47.2 | 38.0 | 57.0 |



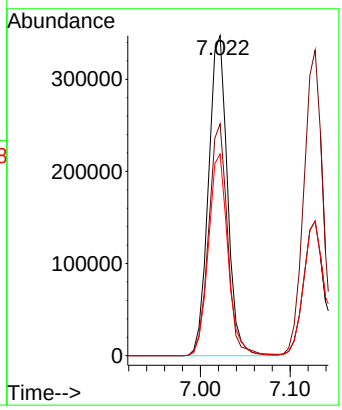


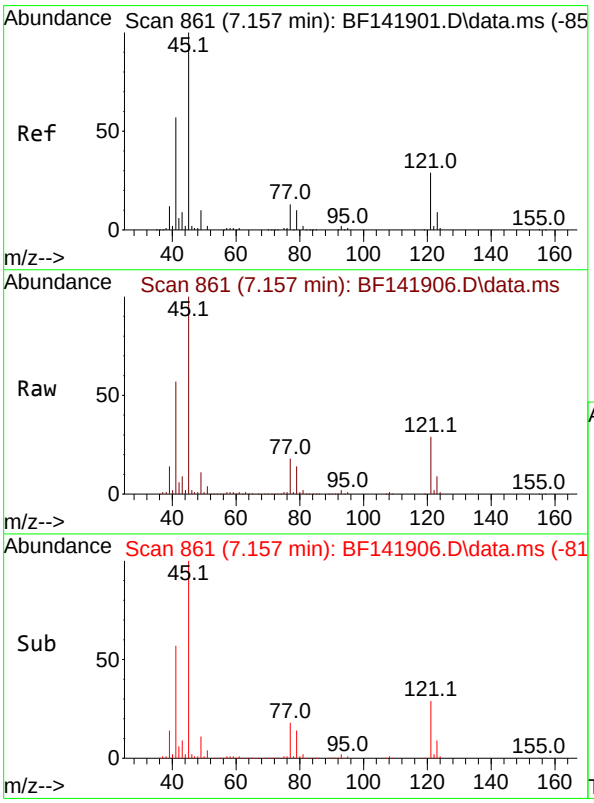

#15
Benzyl Alcohol
Concen: 39.408 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion: 79 Resp: 509792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 72.4 | 59.7 | 89.5 |
| 77 | 63.0 | 51.0 | 76.6 |

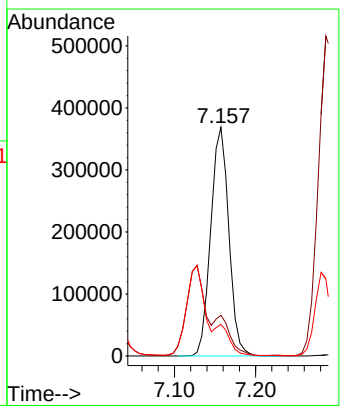


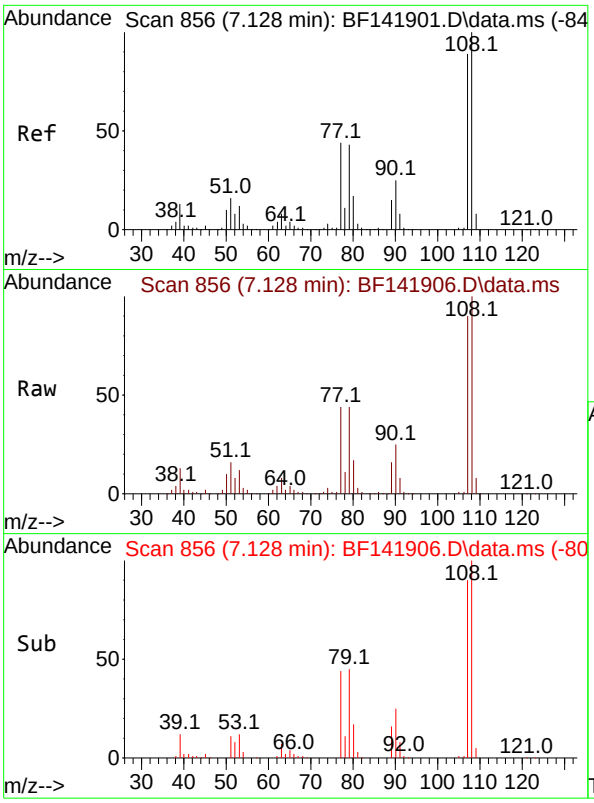




#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.338 ng
RT: 7.157 min Scan# 861
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 45 Resp: 569783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 17.8 | 0.0 | 37.8 |
| 79 | 13.8 | 0.0 | 34.2 |



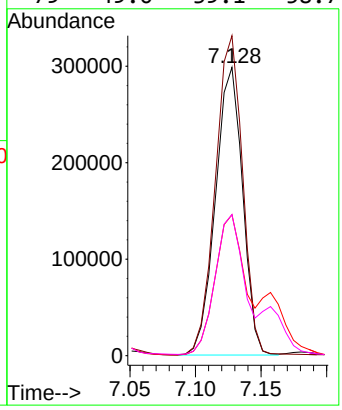


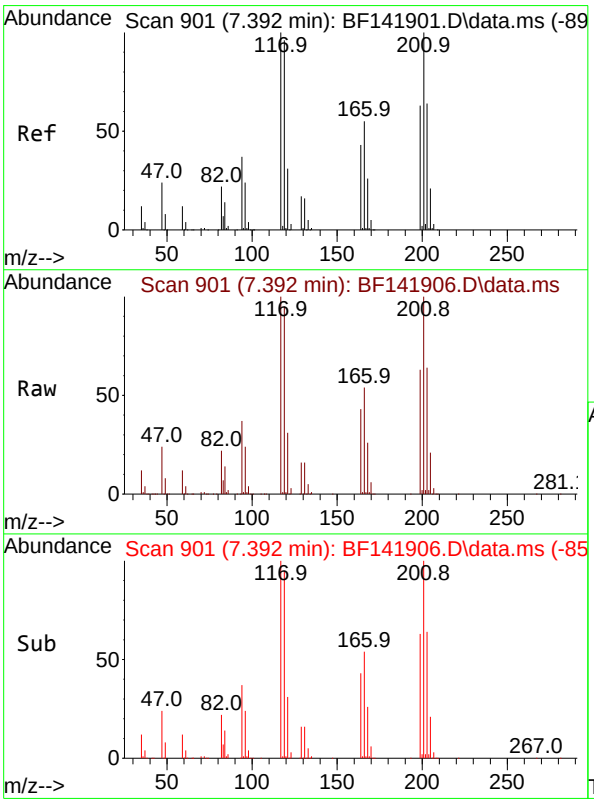

#17
2-Methylphenol
Concen: 38.775 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:107 Resp: 429715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.0 | 90.2 | 135.2 |
| 77 | 48.9 | 39.6 | 59.4 |
| 79 | 49.0 | 39.1 | 58.7 |

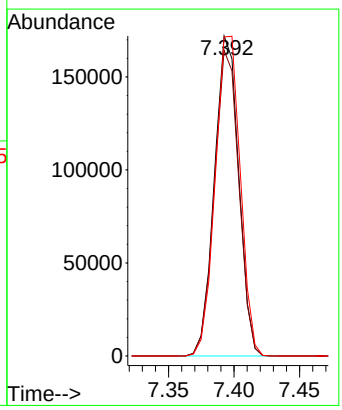


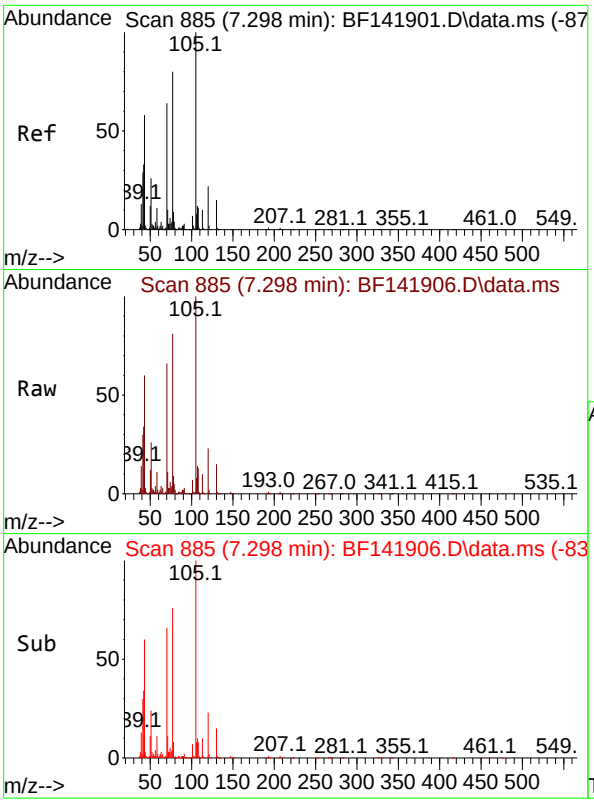




#18
Hexachloroethane
Concen: 38.797 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:117 Resp: 221507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.5 | 76.9 | 115.3 |
| 201 | 99.7 | 79.9 | 119.9 |



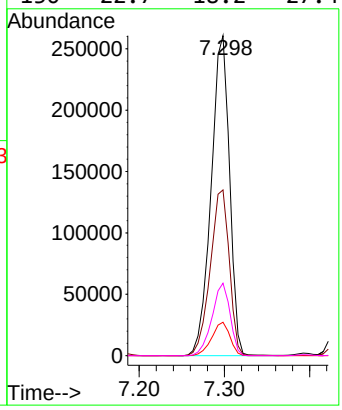


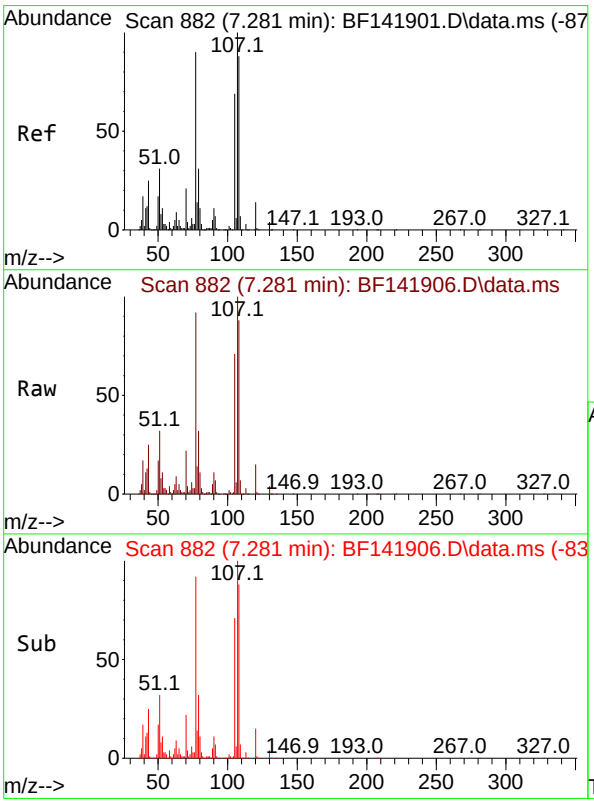

#19
n-Nitroso-di-n-propylamine
Concen: 38.038 ng
RT: 7.298 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion: 70 Resp: 391096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 51.8 | 41.4 | 62.0 |
| 101 | 10.5 | 8.2 | 12.2 |
| 130 | 22.7 | 18.2 | 27.4 |

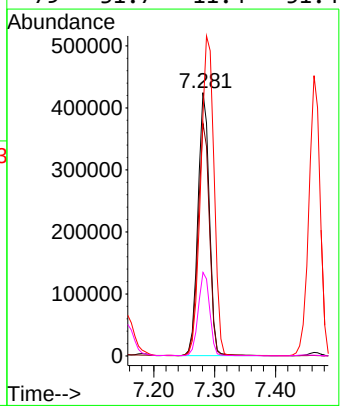


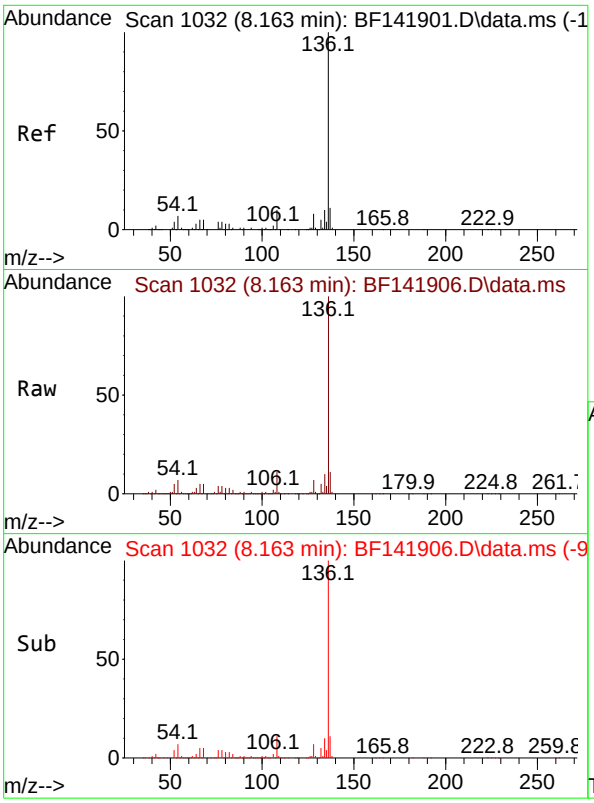




#20
3+4-Methylphenols
Concen: 38.619 ng
RT: 7.281 min Scan# 882
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:107 Resp: 548208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.3 | 68.4 | 108.4 |
| 77 | 91.7 | 69.7 | 109.7 |
| 79 | 31.7 | 11.4 | 51.4 |



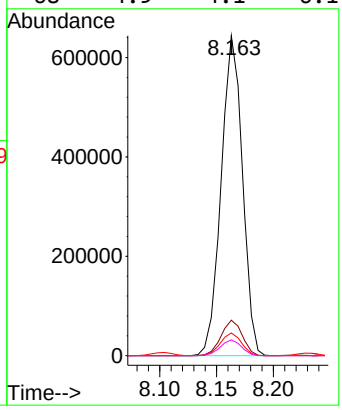


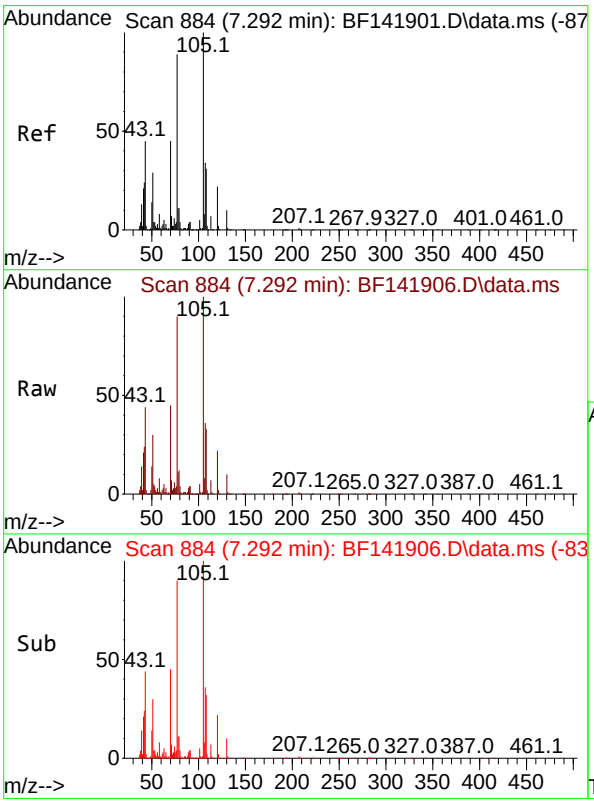

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:136 Resp: 840616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.8 | 13.2 |
| 54 | 7.1 | 5.8 | 8.8 |
| 68 | 4.9 | 4.1 | 6.1 |

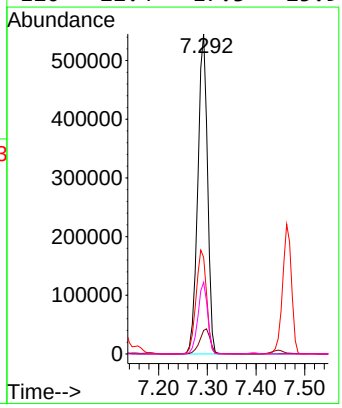


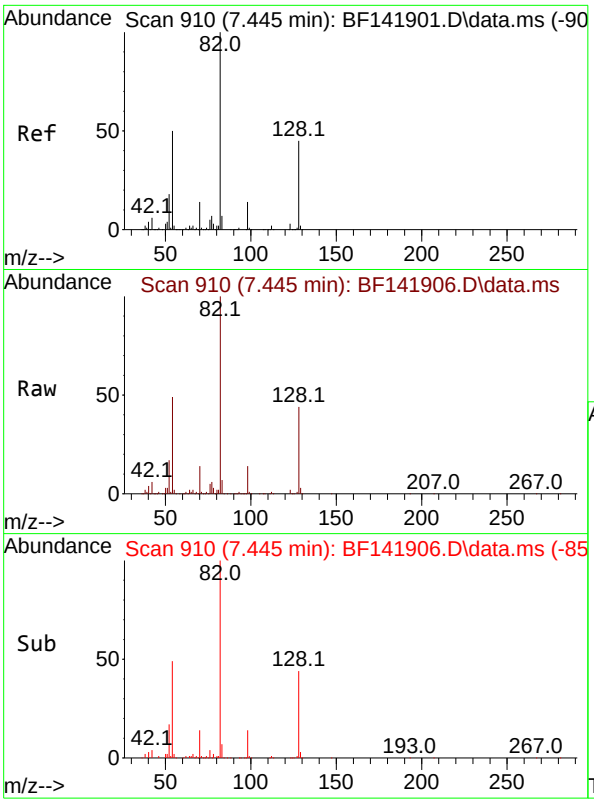




#22
Acetophenone
Concen: 37.650 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:105 Resp: 757917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.4 | 5.8 | 8.8 |
| 51 | 30.2 | 23.4 | 35.0 |
| 120 | 22.4 | 17.3 | 25.9 |



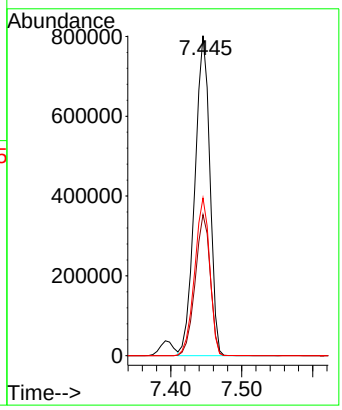


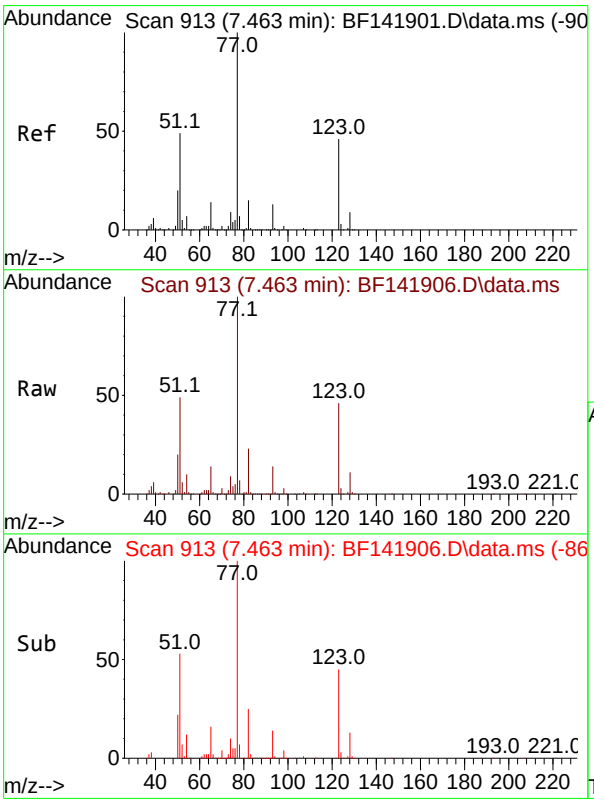

#23
Nitrobenzene-d5
Concen: 78.962 ng
RT: 7.445 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion: 82 Resp: 1179480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.1 | 36.0 | 54.0 |
| 54 | 49.3 | 39.6 | 59.4 |

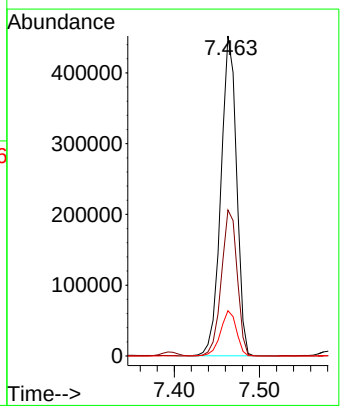


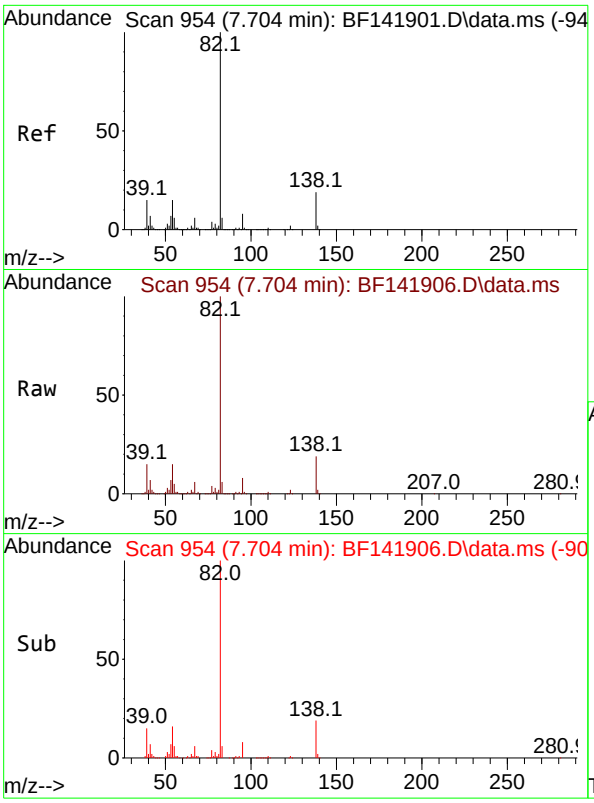




#24
Nitrobenzene
Concen: 38.980 ng
RT: 7.463 min Scan# 913
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 77 Resp: 578836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 45.6 | 37.0 | 55.4 |
| 65 | 14.2 | 11.3 | 16.9 |



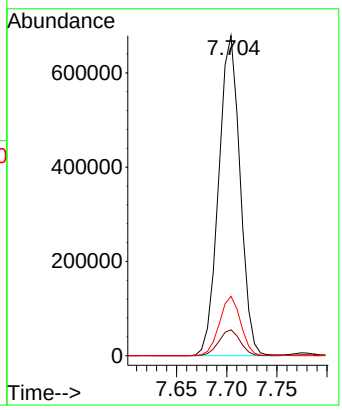


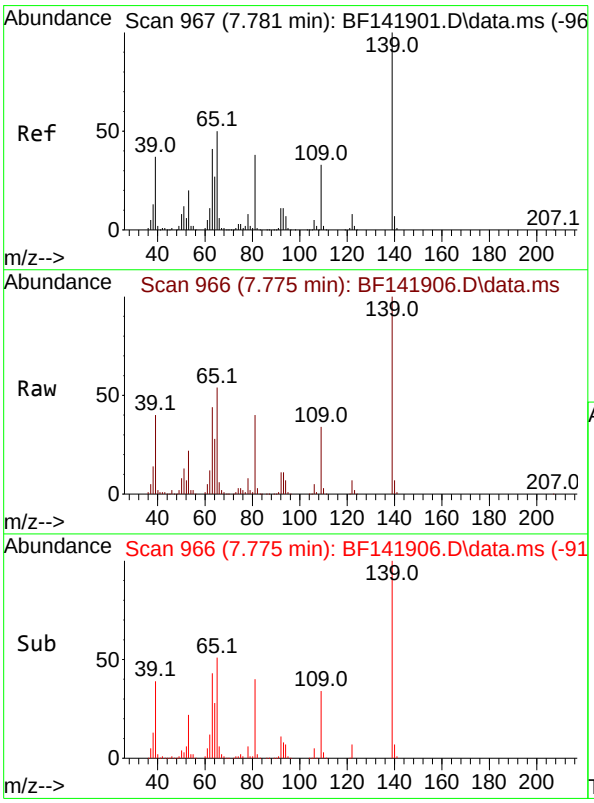

#25
Isophorone
Concen: 38.163 ng
RT: 7.704 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion: 82 Resp: 1007659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.1 | 6.4 | 9.6 |
| 138 | 18.6 | 14.9 | 22.3 |

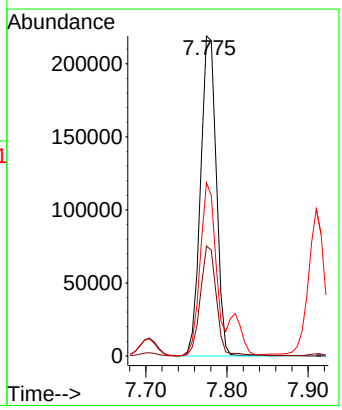


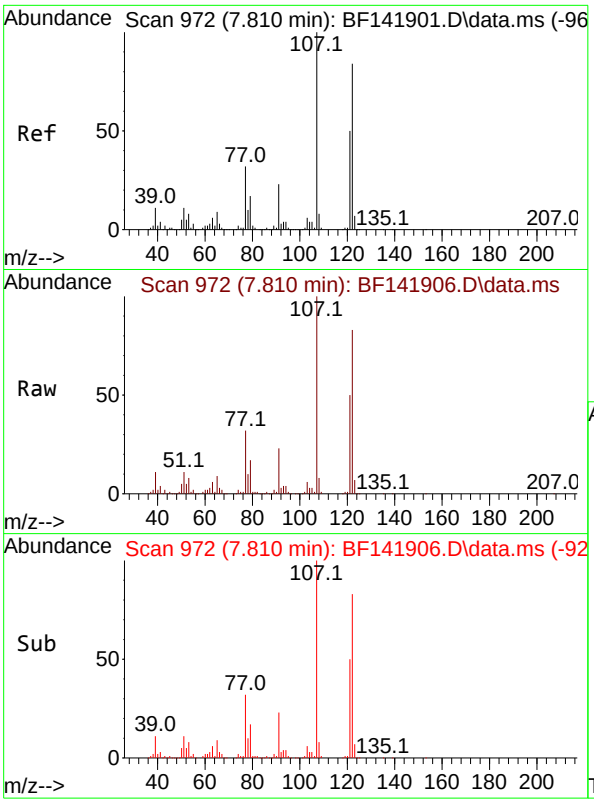




#26
2-Nitrophenol
Concen: 40.429 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:139 Resp: 294657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 34.3 | 26.5 | 39.7 |
| 65 | 54.1 | 40.3 | 60.5 |



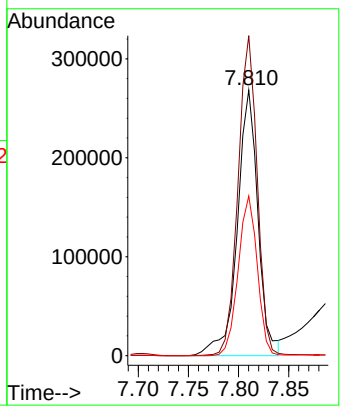


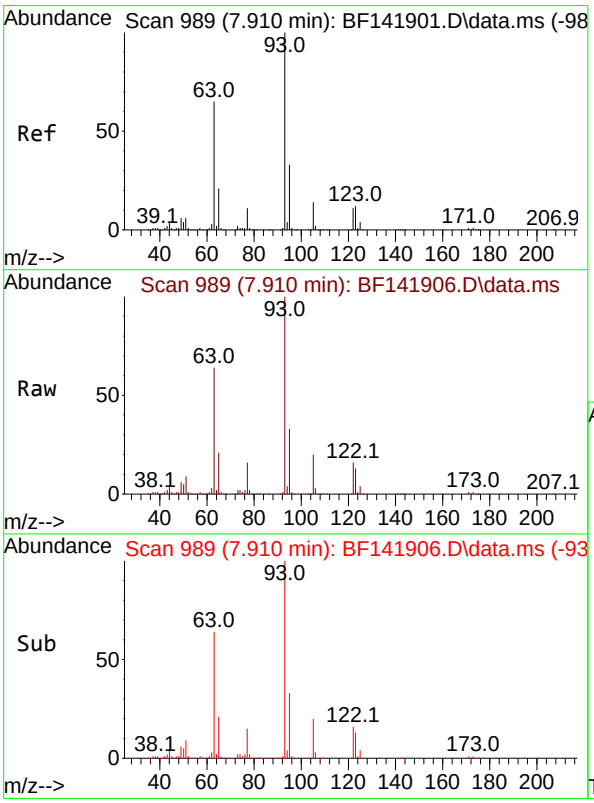

#27
2,4-Dimethylphenol
Concen: 38.414 ng
RT: 7.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:122 Resp: 385504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 120.5 | 94.8 | 142.2 |
| 121 | 60.1 | 47.8 | 71.6 |

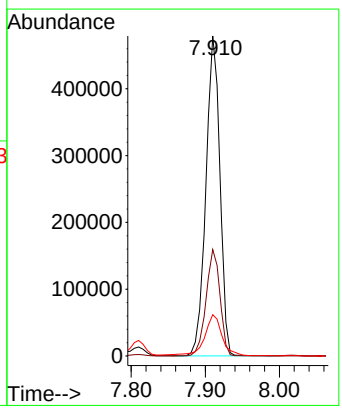


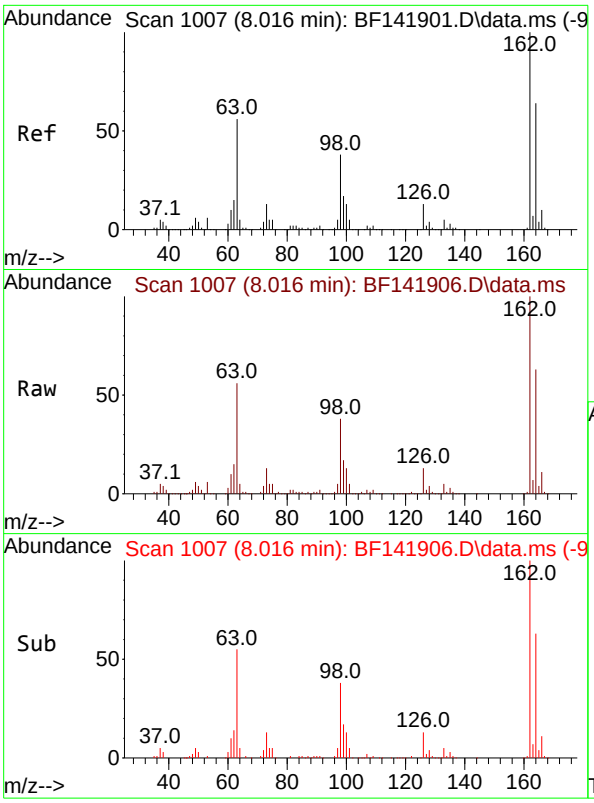




#28
bis(2-Chloroethoxy)methane
Concen: 37.943 ng
RT: 7.910 min Scan# 989
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 93 Resp: 628379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.3 | 26.6 | 40.0 |
| 123 | 12.9 | 10.2 | 15.4 |



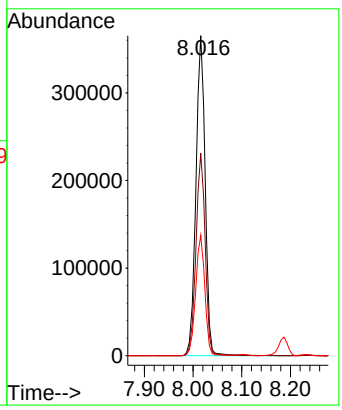


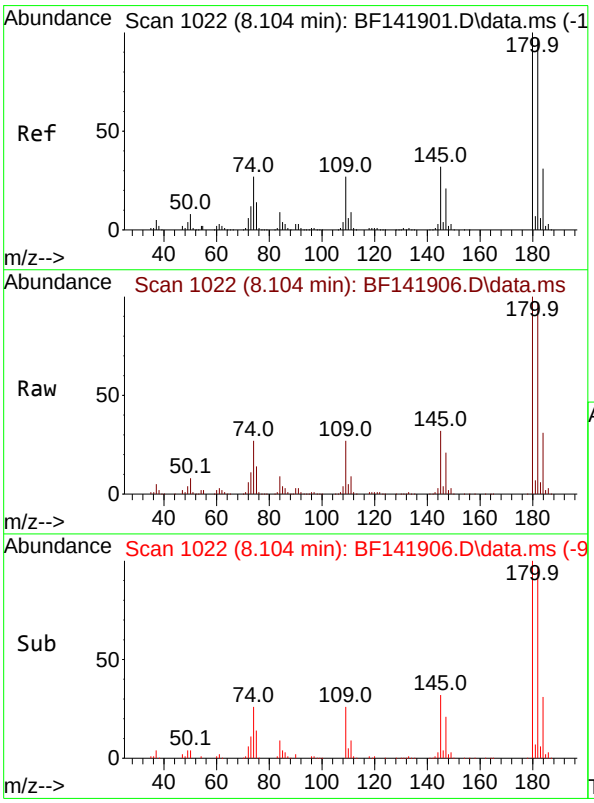

#29
2,4-Dichlorophenol
Concen: 38.952 ng
RT: 8.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:162 Resp: 485205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.3 | 43.8 | 83.8 |
| 98 | 37.6 | 18.1 | 58.1 |

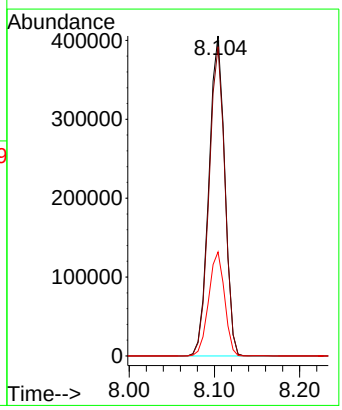


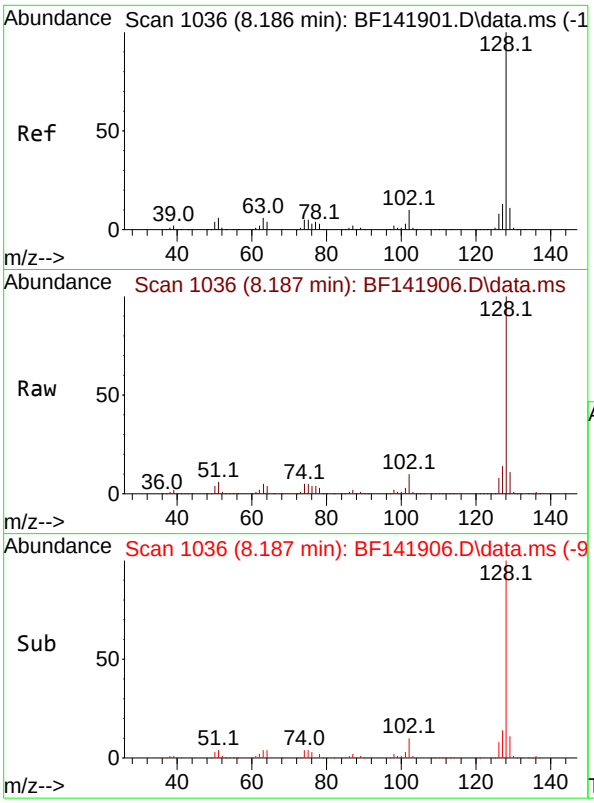




#30
1,2,4-Trichlorobenzene
Concen: 38.336 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:180 Resp: 526250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.7 | 77.5 | 116.3 |
| 145 | 32.5 | 25.8 | 38.6 |



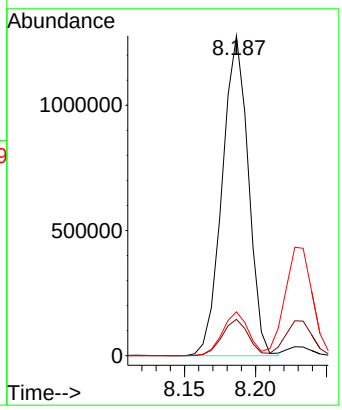


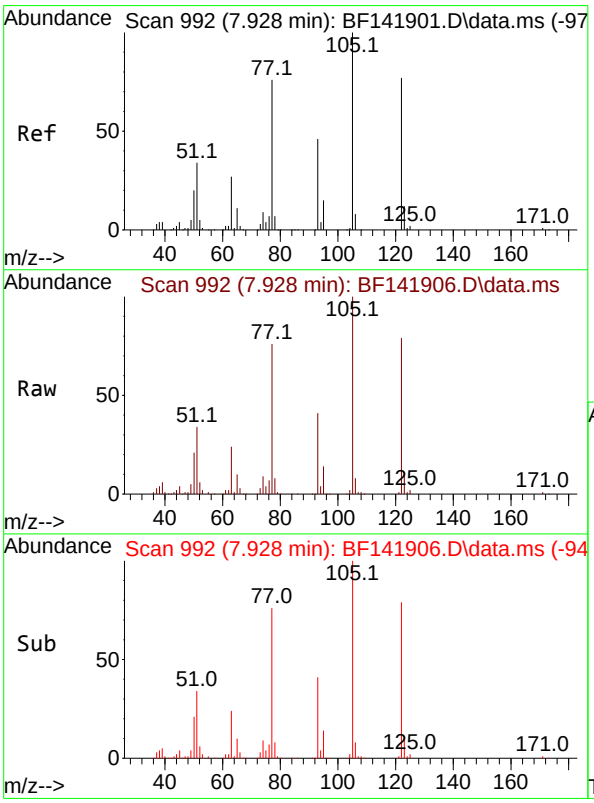

#31
Naphthalene
Concen: 37.827 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:128 Resp: 1633401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.4 | 9.0 | 13.6 |
| 127 | 13.7 | 10.8 | 16.2 |

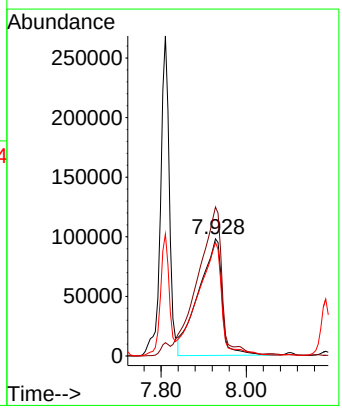


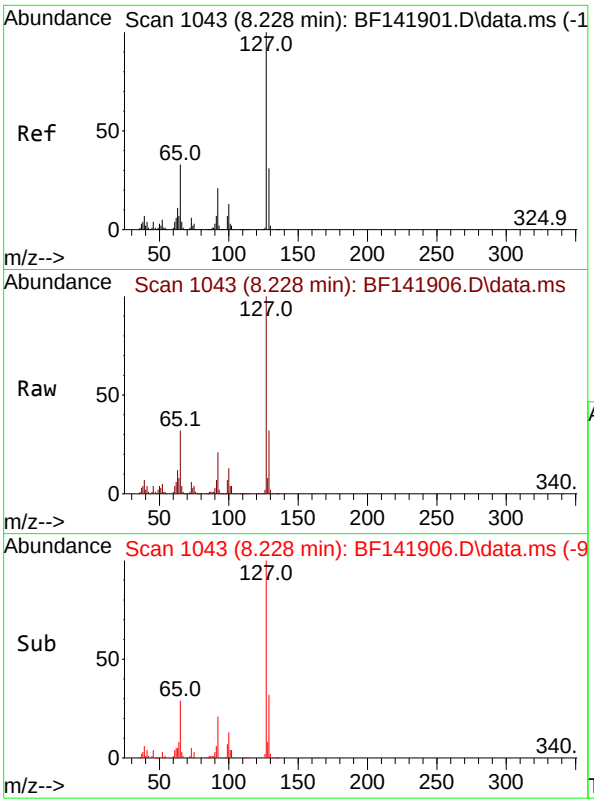




#32
Benzoic acid
Concen: 42.303 ng
RT: 7.928 min Scan# 992
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:122 Resp: 373179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 127.1 | 107.9 | 147.9 |
| 77 | 97.0 | 79.0 | 119.0 |



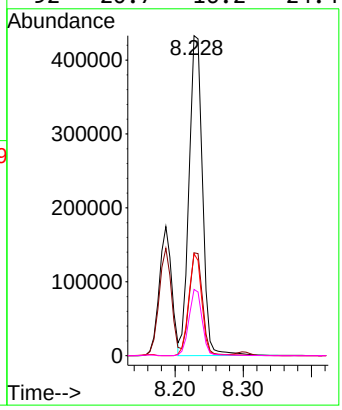


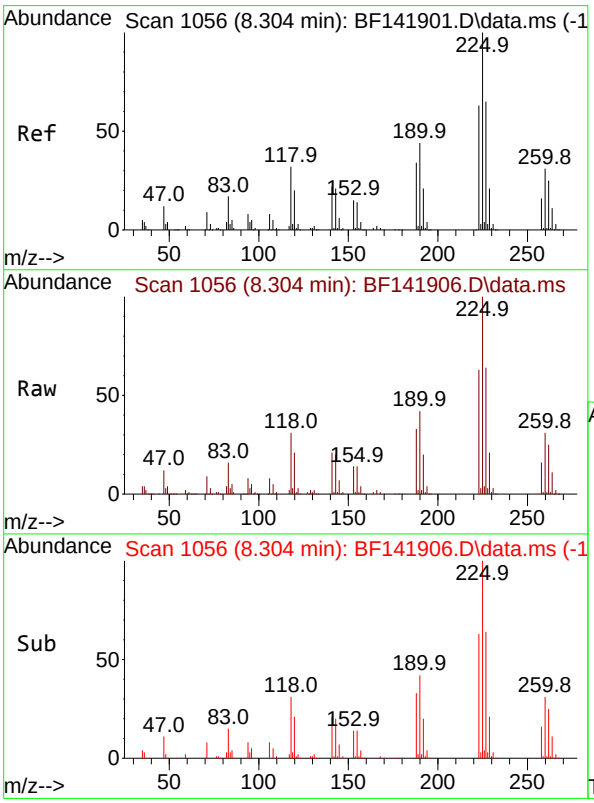

#33
4-Chloroaniline
Concen: 38.847 ng
RT: 8.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:127 Resp: 592172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.2 | 26.2 | 39.4 |
| 65 | 31.9 | 25.4 | 38.2 |
| 92 | 20.7 | 16.2 | 24.4 |

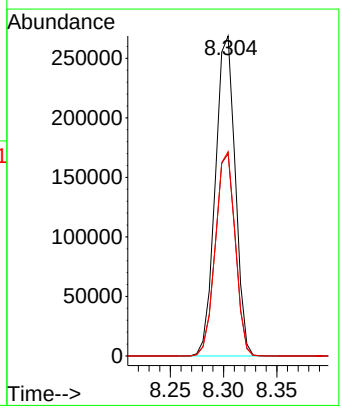


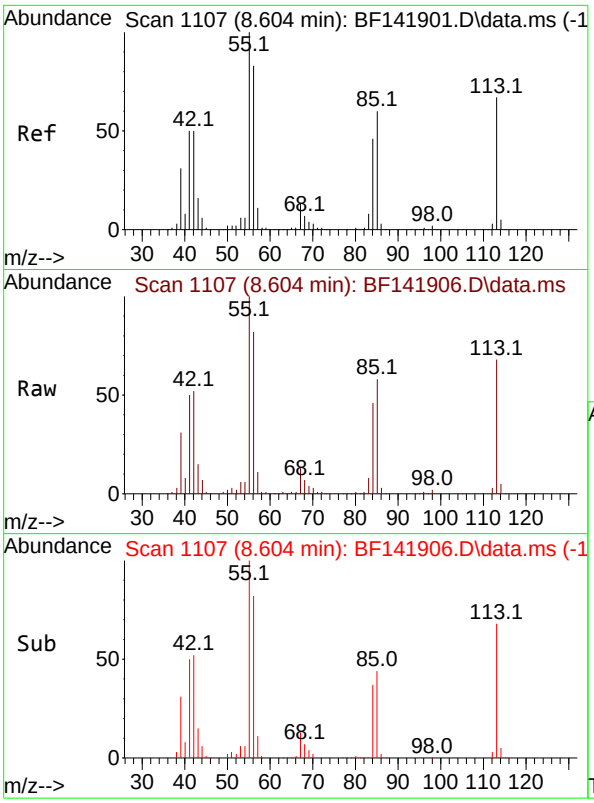




#34
Hexachlorobutadiene
Concen: 38.849 ng
RT: 8.304 min Scan# 1056
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:225 Resp: 347789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.2 | 50.6 | 75.8 |
| 227 | 63.8 | 52.2 | 78.2 |



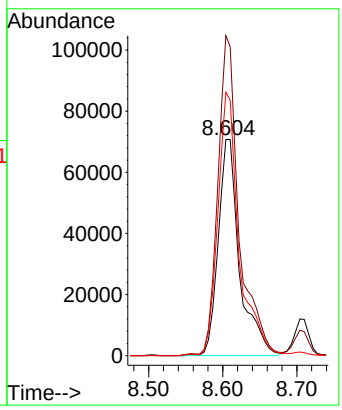


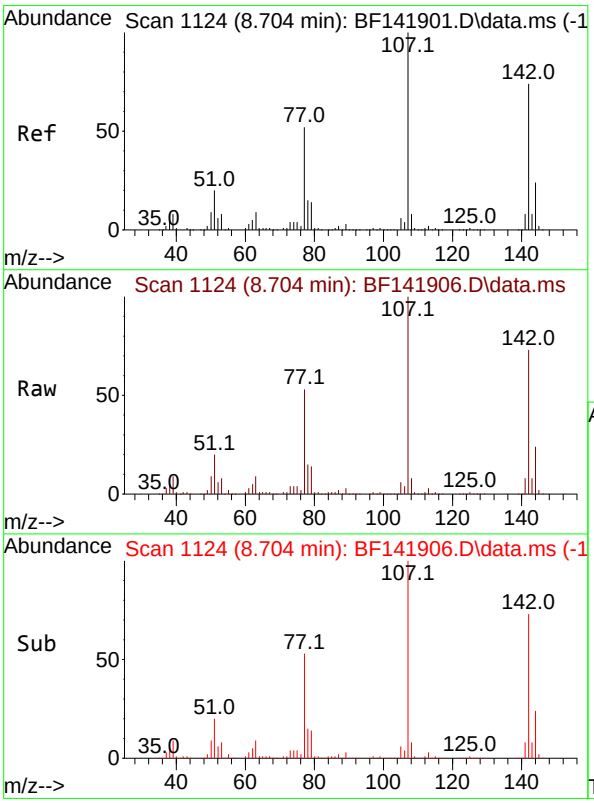

#35
Caprolactam
Concen: 37.276 ng
RT: 8.604 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:113 Resp: 141562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 148.0 | 129.6 | 169.6 |
| 56 | 121.8 | 104.0 | 144.0 |

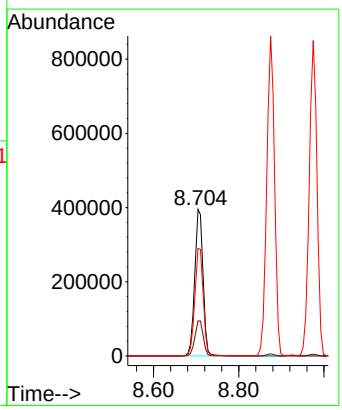


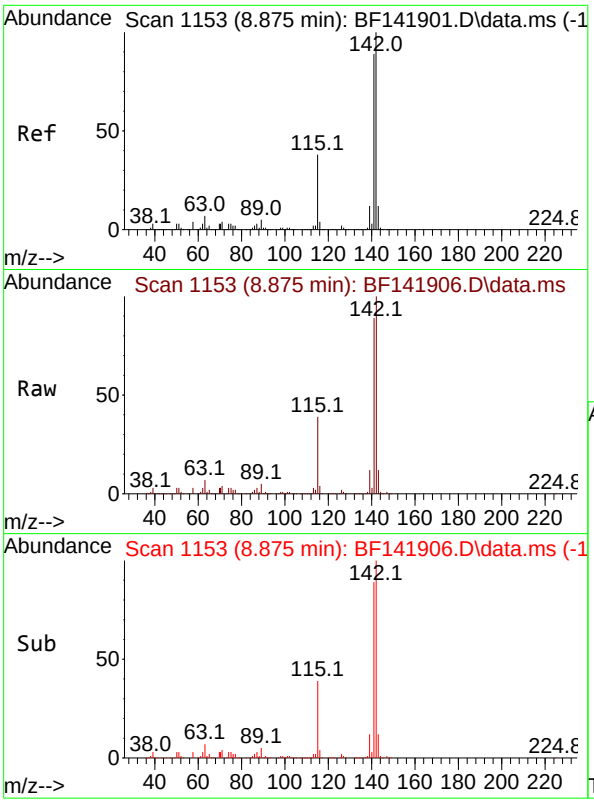




#36
4-Chloro-3-methylphenol
Concen: 38.550 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:107 Resp: 535661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 23.9 | 19.0 | 28.6 |
| 142 | 73.3 | 59.2 | 88.8 |



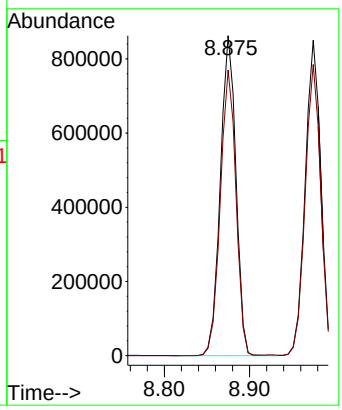


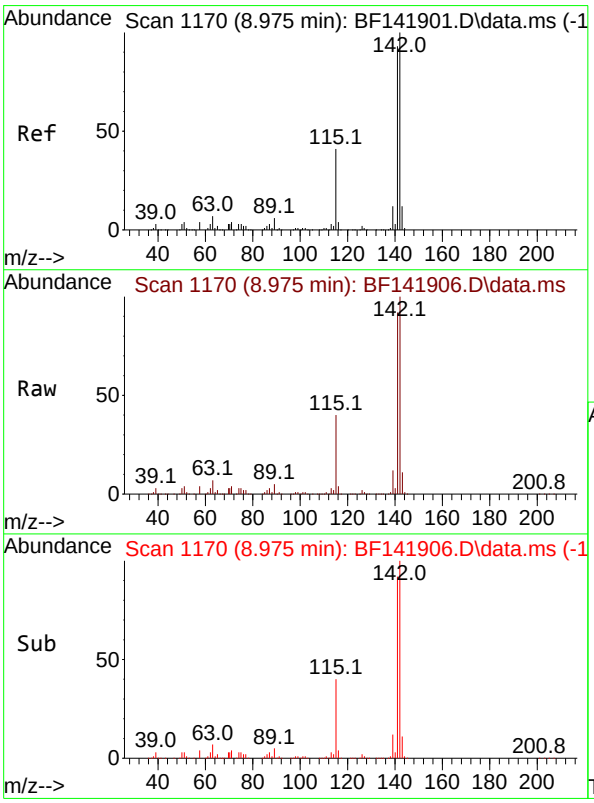

#37
2-Methylnaphthalene
Concen: 37.935 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:142 Resp: 1094895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.3 | 71.2 | 106.8 |

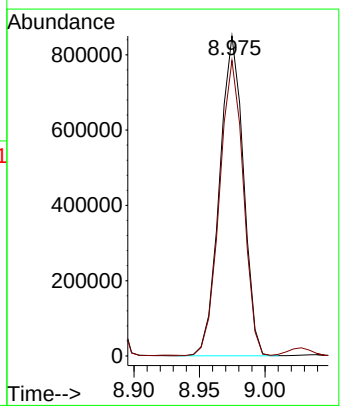


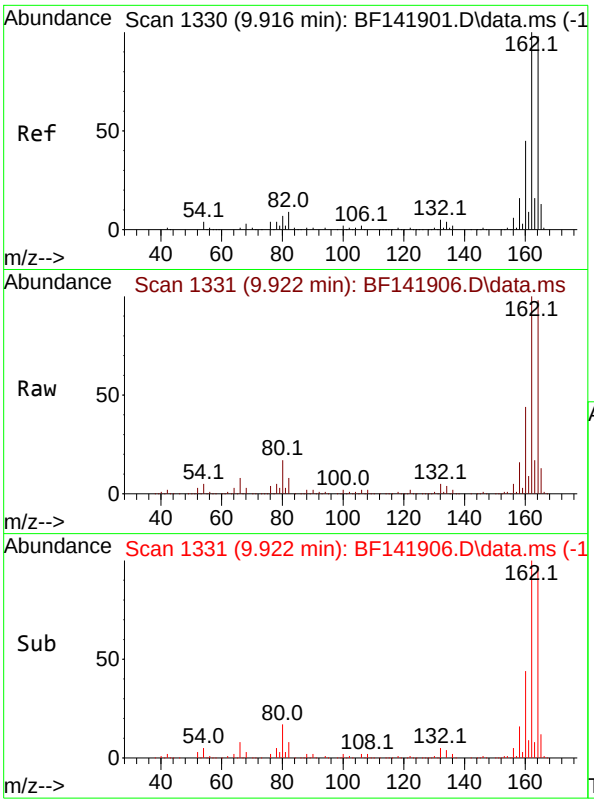




#38
1-Methylnaphthalene
Concen: 38.484 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:142 Resp: 1071850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.3 | 74.2 | 111.4 |



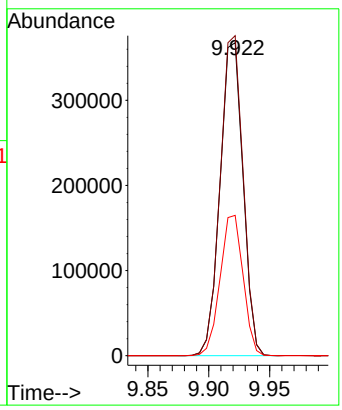


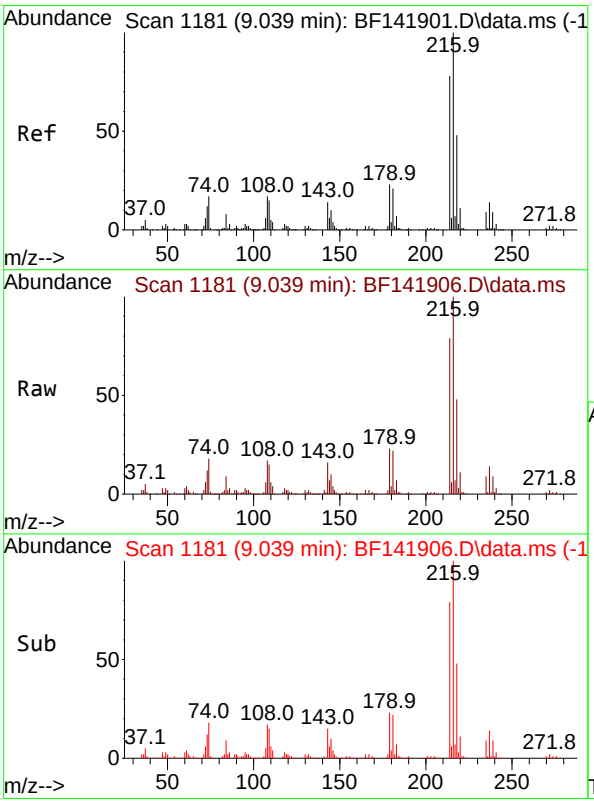

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:164 Resp: 483165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.2 | 81.8 | 122.6 |
| 160 | 44.8 | 36.7 | 55.1 |

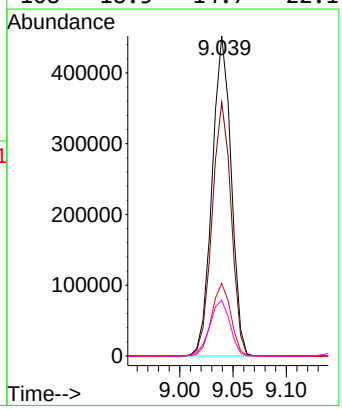


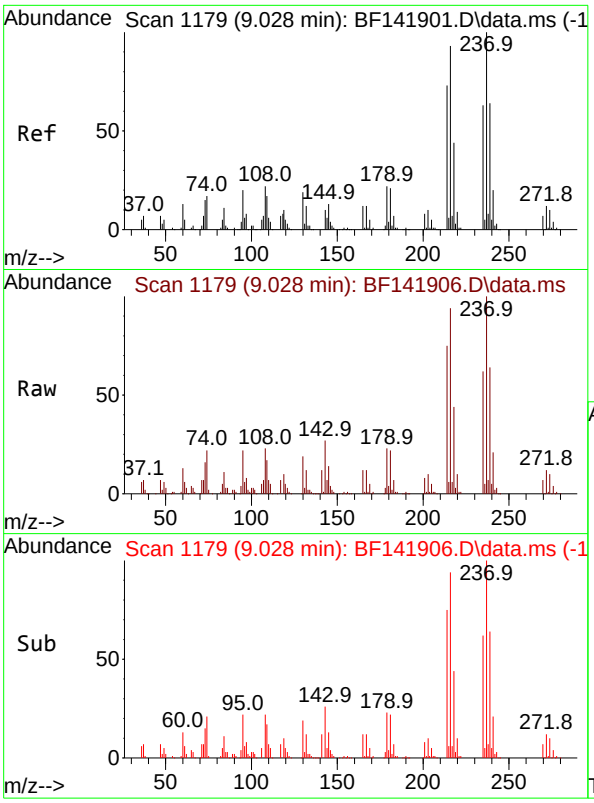




#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.191 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:216 Resp: 561804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.2 | 61.9 | 92.9 |
| 179 | 22.7 | 18.1 | 27.1 |
| 108 | 18.5 | 14.7 | 22.1 |



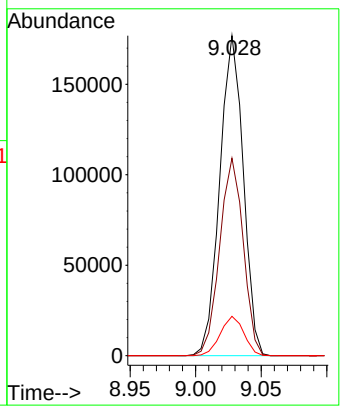


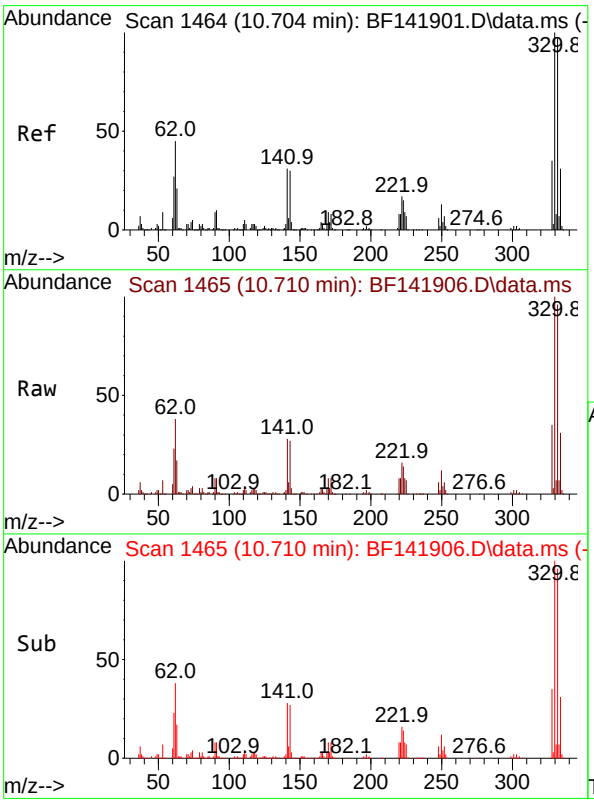

#41
Hexachlorocyclopentadiene
Concen: 38.281 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:237 Resp: 220386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 61.7 | 43.1 | 83.1 |
| 272 | 12.3 | 0.0 | 32.0 |

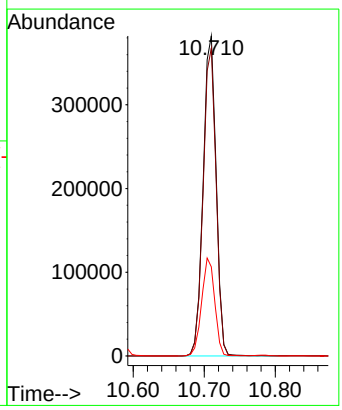


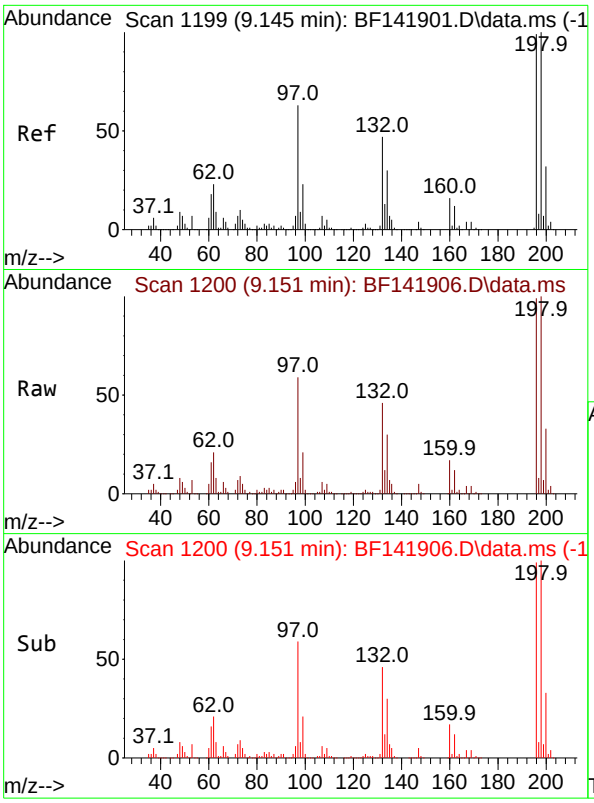




#42
2,4,6-Tribromophenol
Concen: 79.342 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:330 Resp: 486334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.2 | 77.6 | 116.4 |
| 141 | 30.9 | 24.7 | 37.1 |



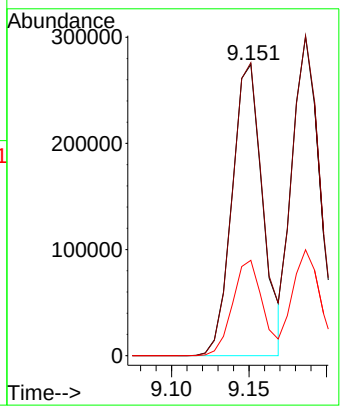


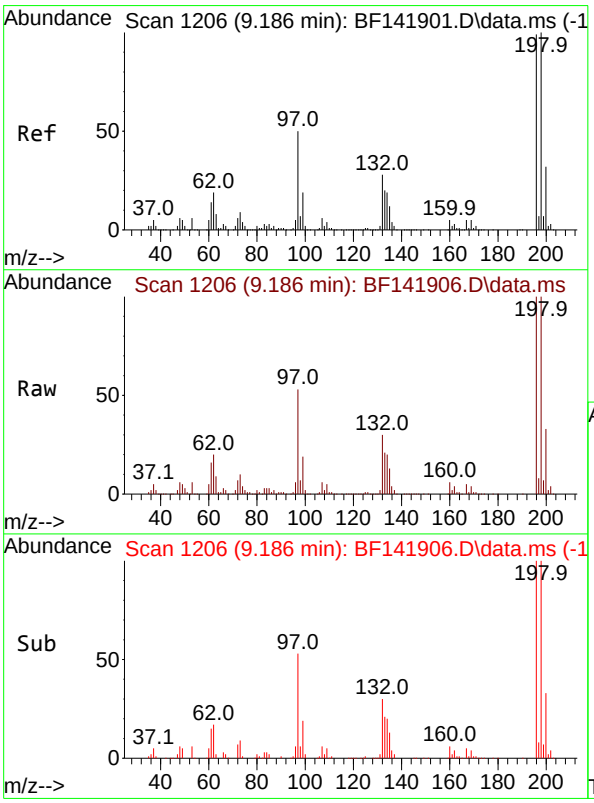

#43
2,4,6-Trichlorophenol
Concen: 39.292 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:196 Resp: 377743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.6 | 80.6 | 121.0 |
| 200 | 32.8 | 25.8 | 38.6 |

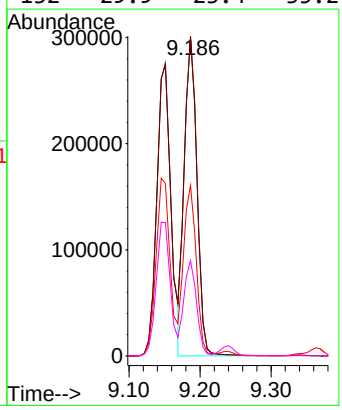


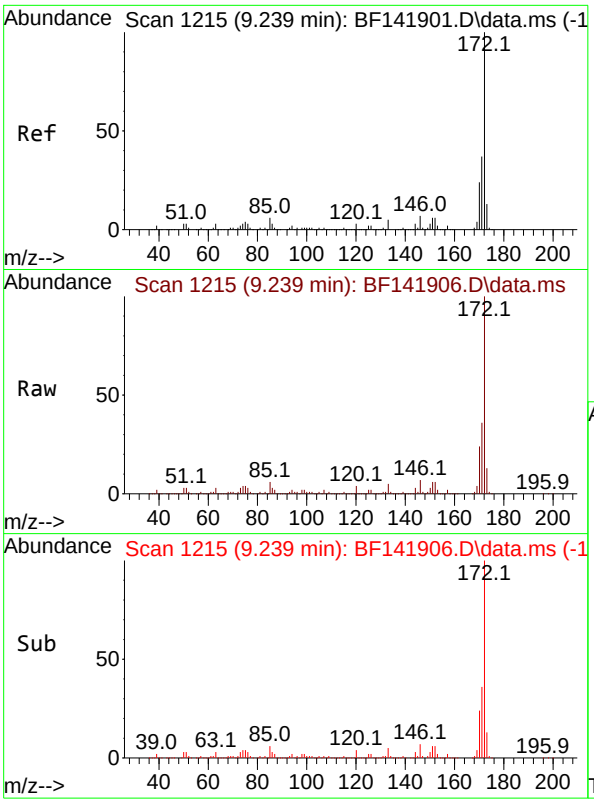




#44
2,4,5-Trichlorophenol
Concen: 38.263 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:196 Resp: 372564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.3 | 80.7 | 121.1 |
| 97 | 53.5 | 42.1 | 63.1 |
| 132 | 29.9 | 23.4 | 35.2 |



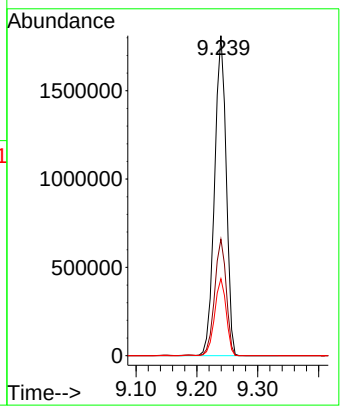


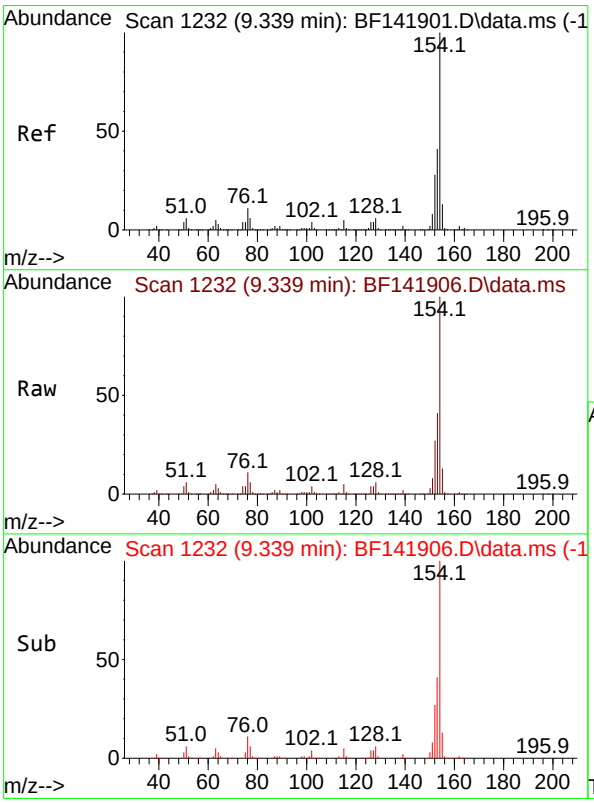

#45
2-Fluorobiphenyl
Concen: 75.528 ng
RT: 9.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:172 Resp: 2399526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.4 | 29.3 | 43.9 |
| 170 | 24.1 | 19.4 | 29.0 |

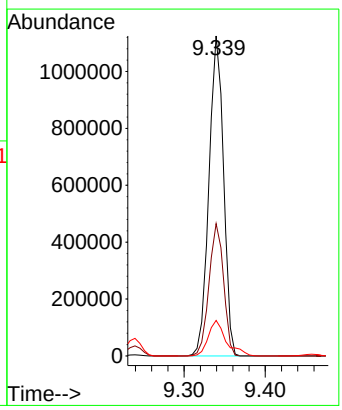


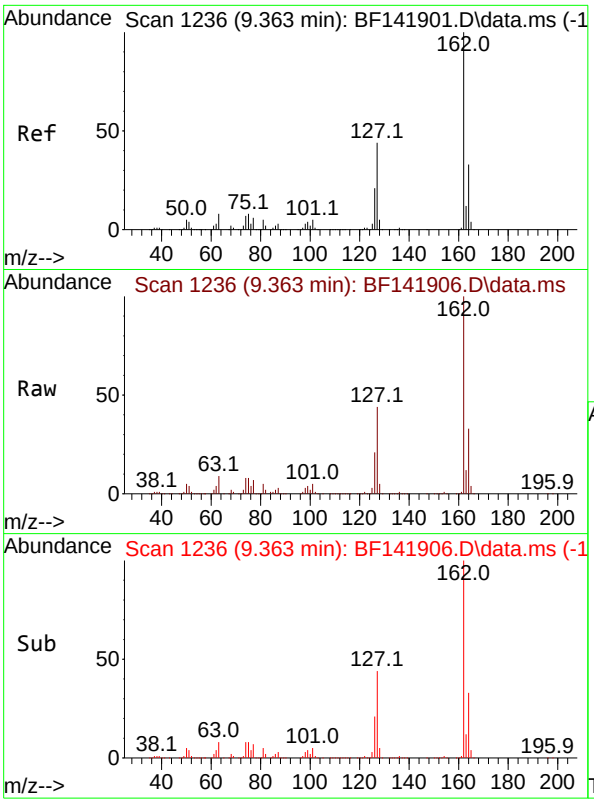




#46
1,1'-Biphenyl
Concen: 38.182 ng
RT: 9.339 min Scan# 1232
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:154 Resp: 1401736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.3 | 21.1 | 61.1 |
| 76 | 11.1 | 0.0 | 31.3 |



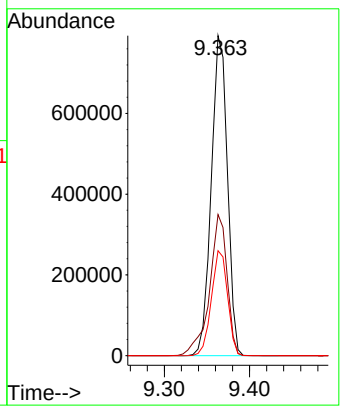


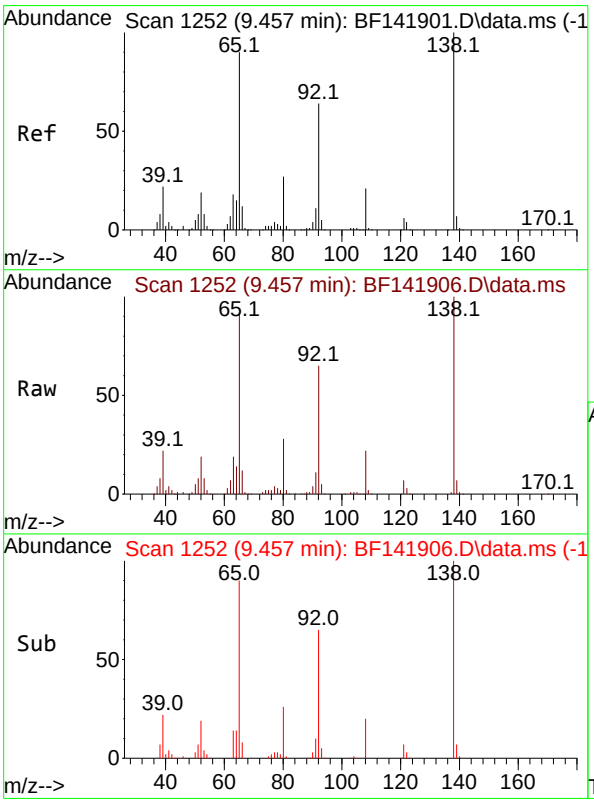

#47
2-Chloronaphthalene
Concen: 38.090 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:162 Resp: 1042241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 44.1 | 35.5 | 53.3 |
| 164 | 32.8 | 26.6 | 40.0 |

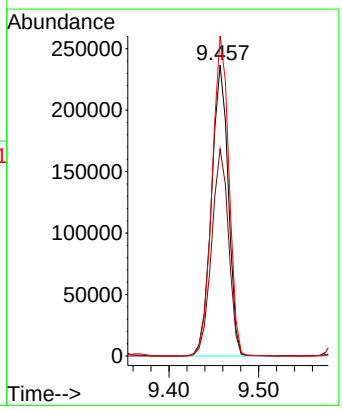


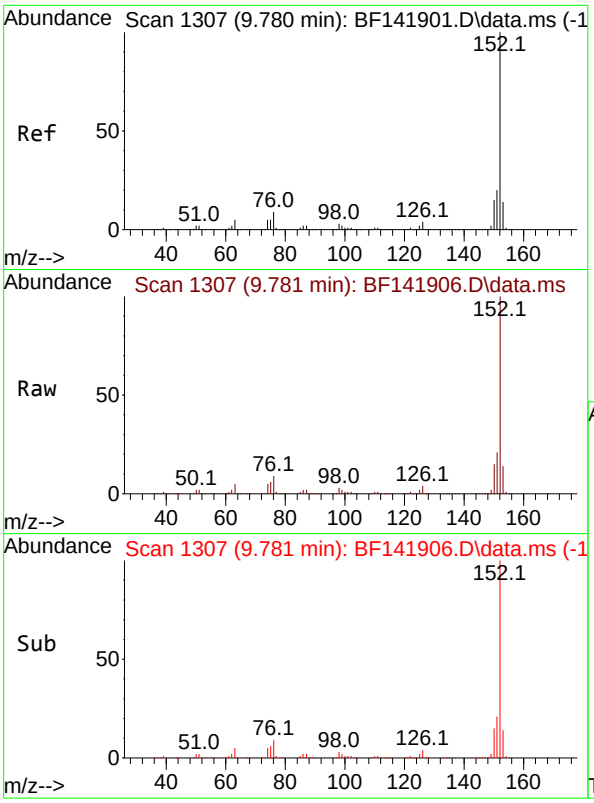




#48
2-Nitroaniline
Concen: 38.908 ng
RT: 9.457 min Scan# 1252
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 65 Resp: 308259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 71.2 | 56.6 | 84.8 |
| 138 | 110.1 | 88.6 | 133.0 |



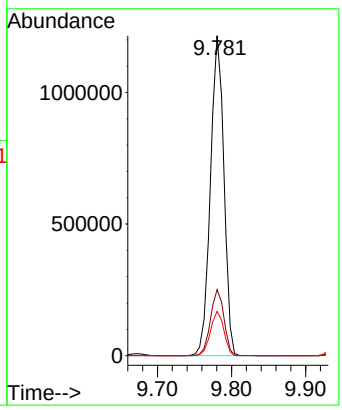


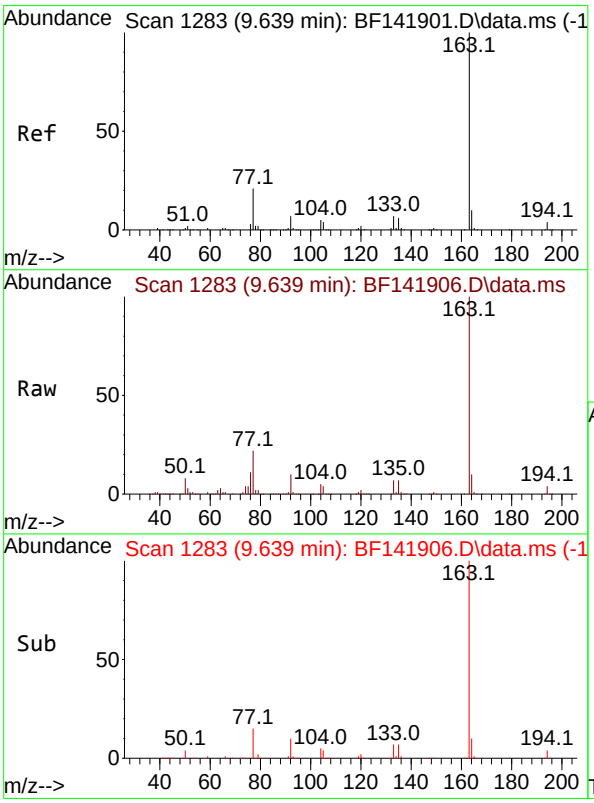

#49
Acenaphthylene
Concen: 37.725 ng
RT: 9.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:152 Resp: 1531852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.7 | 16.3 | 24.5 |
| 153 | 13.9 | 11.1 | 16.7 |

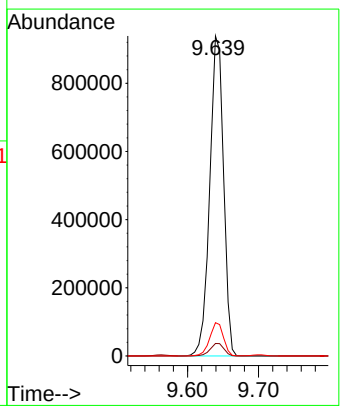


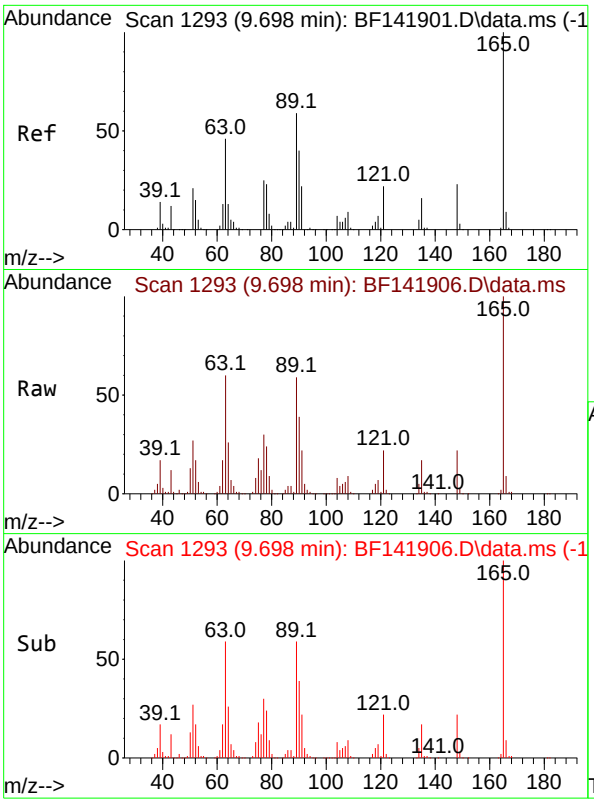




#50
Dimethylphthalate
Concen: 37.611 ng
RT: 9.639 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:163 Resp: 1272572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.1 | 4.7 |
| 164 | 10.4 | 8.2 | 12.4 |



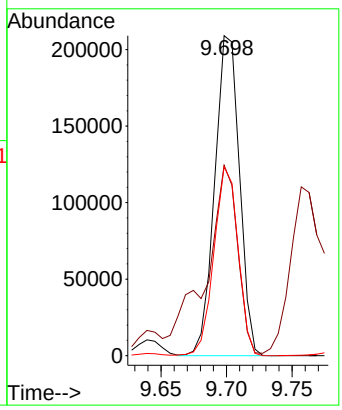


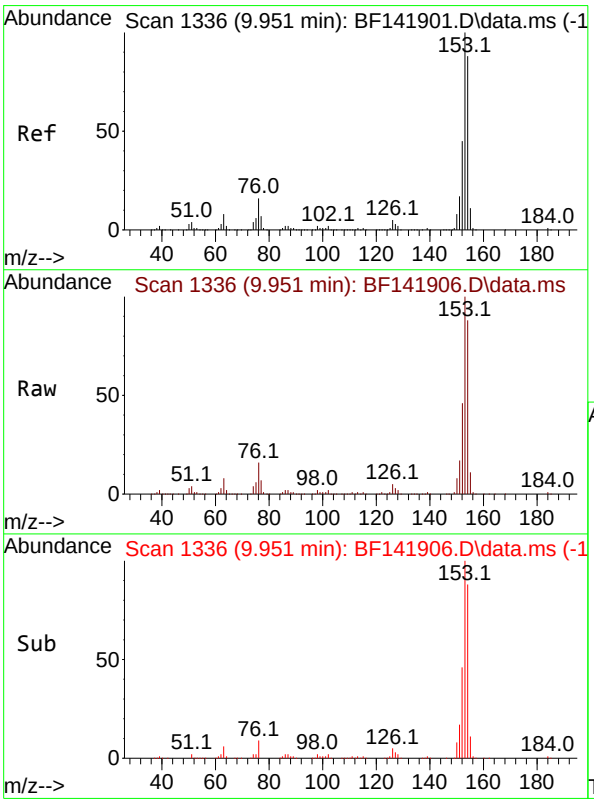

#51
2,6-Dinitrotoluene
Concen: 38.970 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:165 Resp: 274531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 59.5 | 47.0 | 70.4 |
| 89 | 59.1 | 47.4 | 71.2 |

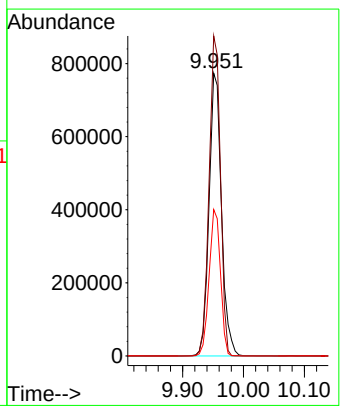


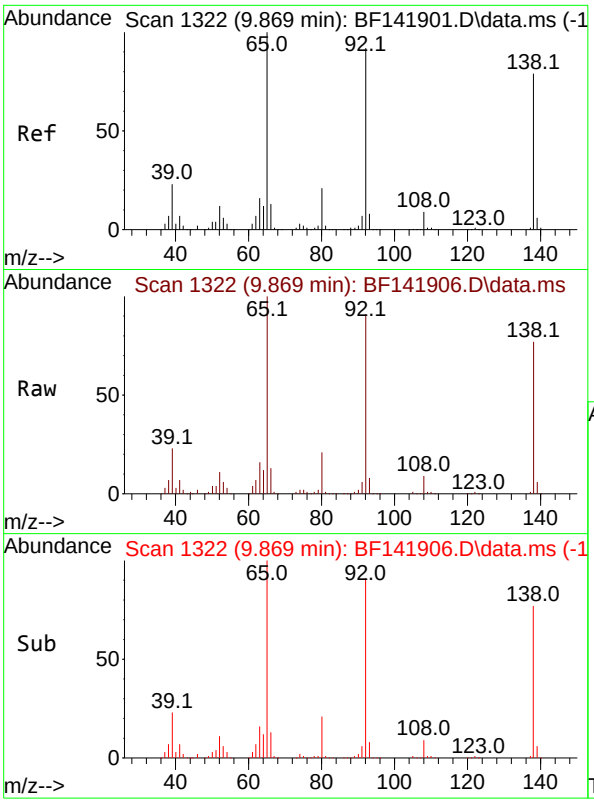




#52
Acenaphthene
Concen: 38.405 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:154 Resp: 1095922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.2 | 90.7 | 136.1 |
| 152 | 51.8 | 41.1 | 61.7 |



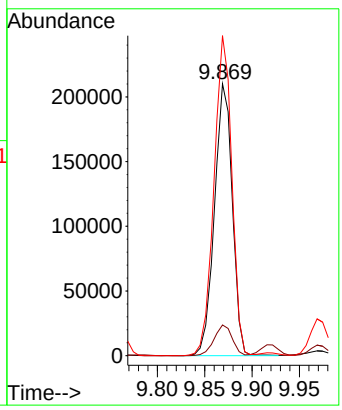


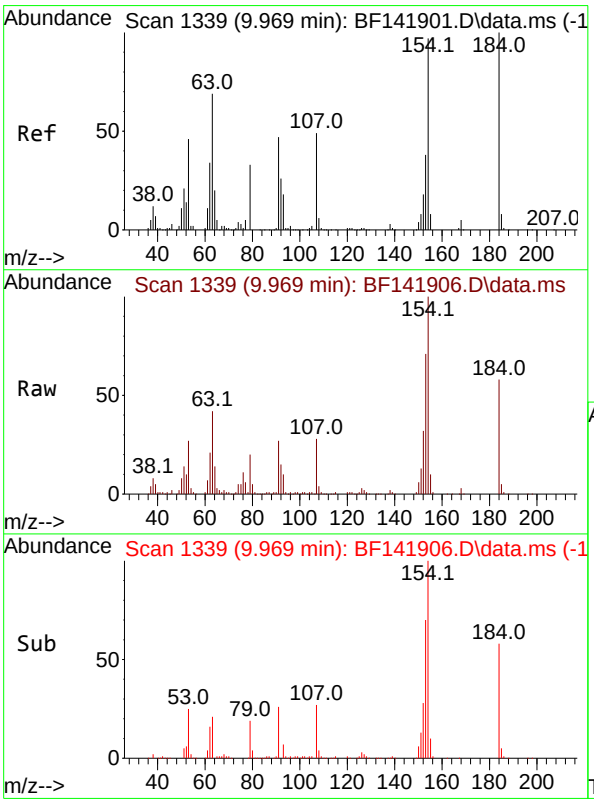

#53
3-Nitroaniline
Concen: 38.561 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:138 Resp: 275555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.3 | 9.3 | 13.9 |
| 92 | 117.7 | 93.5 | 140.3 |

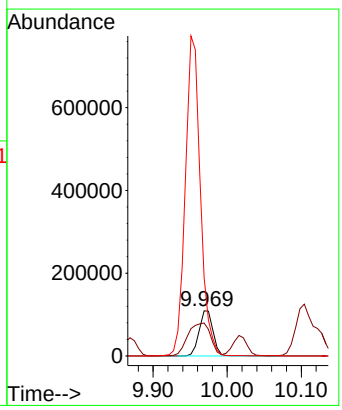


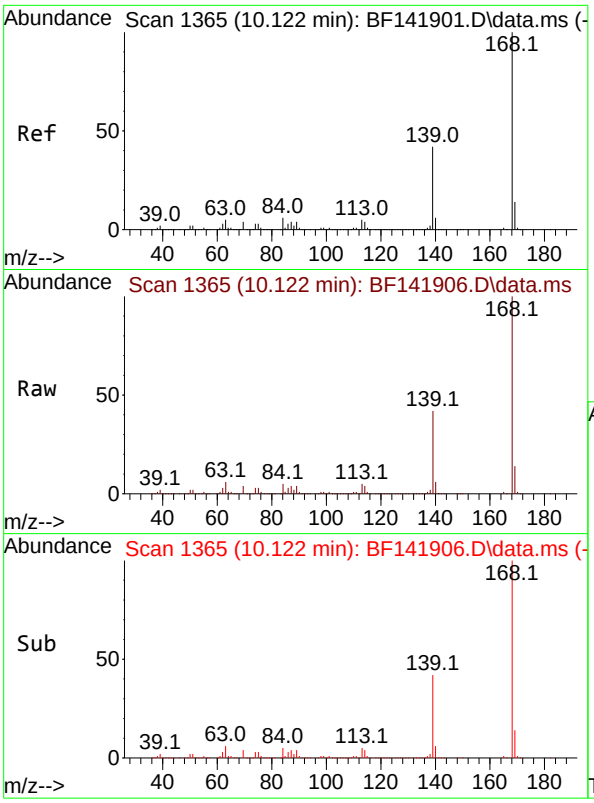




#54
2,4-Dinitrophenol
Concen: 39.326 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:184 Resp: 142831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 73.1 | 60.2 | 90.4 |
| 154 | 173.5 | 132.9 | 199.3 |



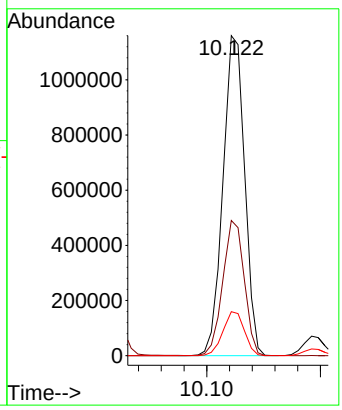


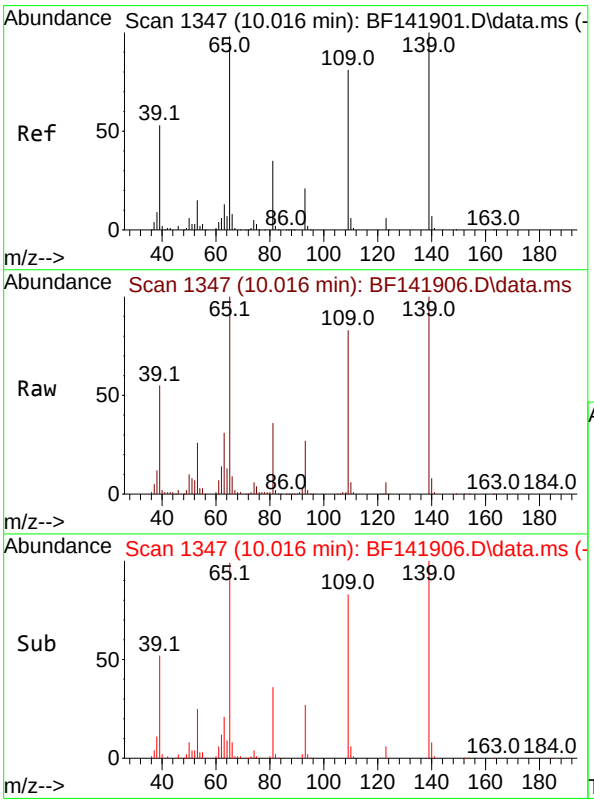

#55
Dibenzofuran
Concen: 37.778 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:168 Resp: 1540381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 42.2 | 33.9 | 50.9 |
| 169 | 13.8 | 11.0 | 16.4 |

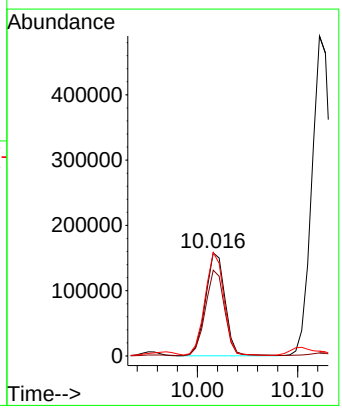


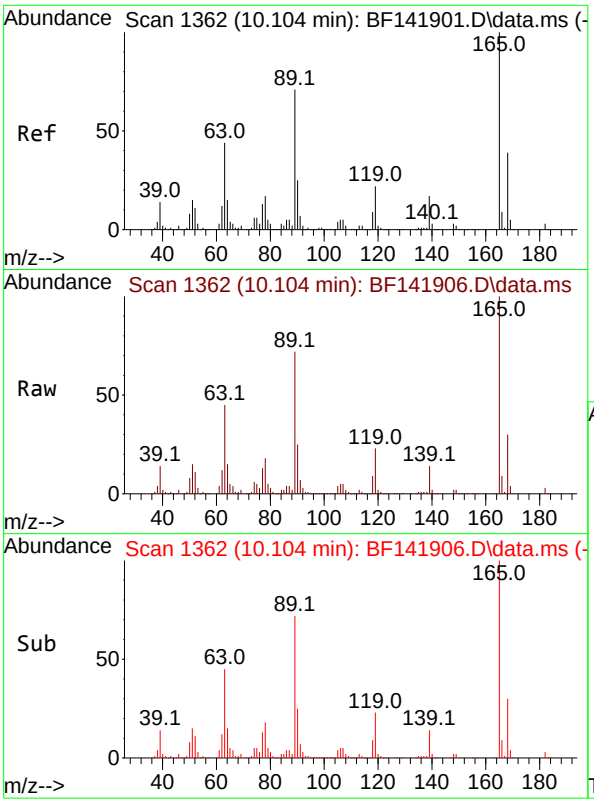




#56
4-Nitrophenol
Concen: 39.425 ng
RT: 10.016 min Scan# 1347
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:139 Resp: 212462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 83.2 | 61.6 | 101.6 |
| 65 | 100.4 | 79.4 | 119.4 |



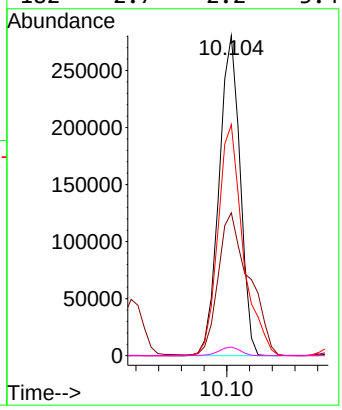


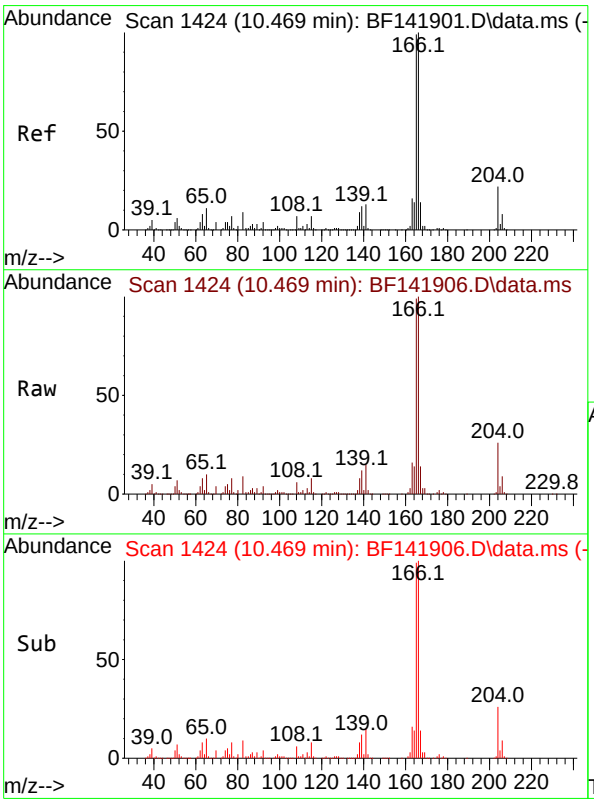

#57
2,4-Dinitrotoluene
Concen: 39.291 ng
RT: 10.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:165 Resp: 361518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 44.7 | 35.4 | 53.2 |
| 89 | 72.2 | 56.6 | 84.8 |
| 182 | 2.7 | 2.2 | 3.4 |

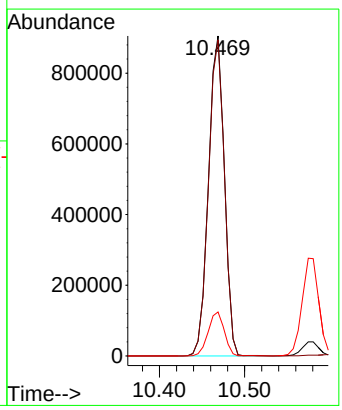


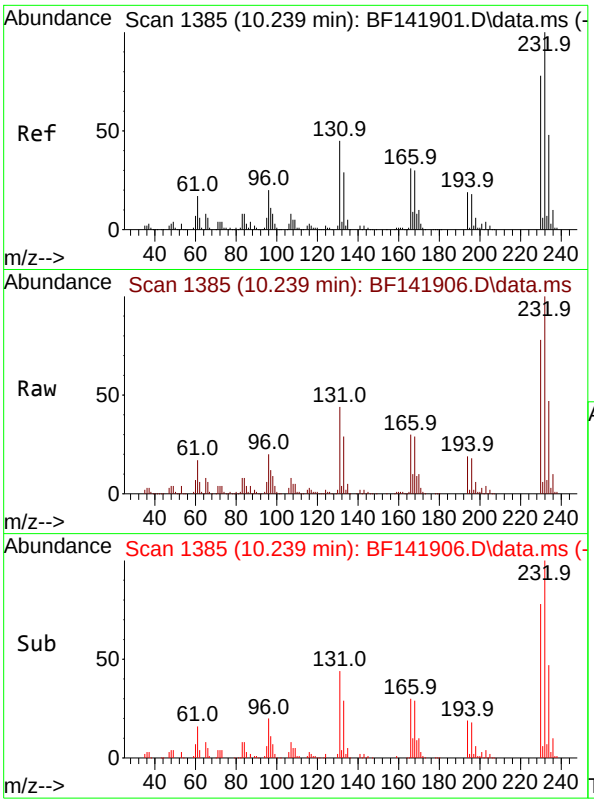




#58
Fluorene
Concen: 37.381 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:166 Resp: 1175392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.8 | 79.0 | 118.4 |
| 167 | 13.8 | 11.0 | 16.4 |



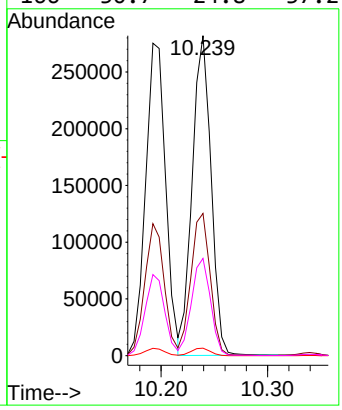


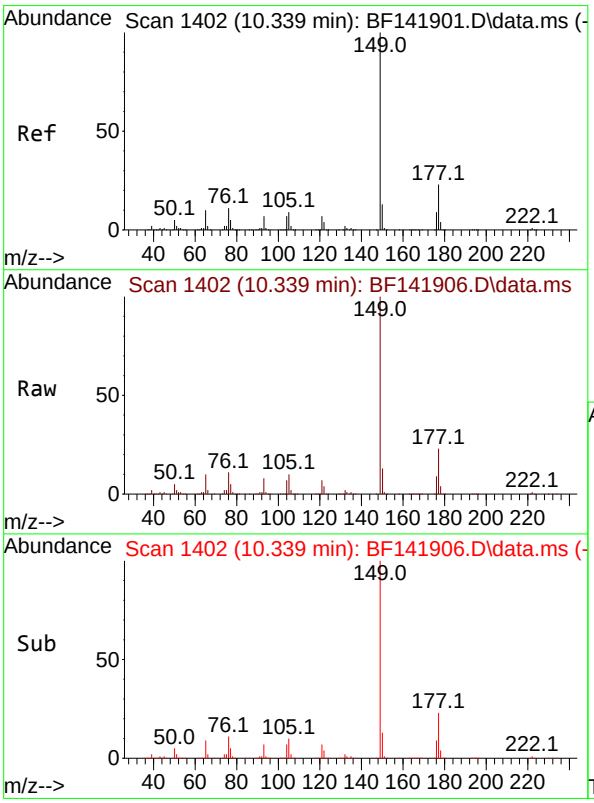

#59
2,3,4,6-Tetrachlorophenol
Concen: 39.070 ng
RT: 10.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:232 Resp: 346168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.8 | 37.3 | 55.9 |
| 130 | 2.4 | 1.9 | 2.9 |
| 166 | 30.7 | 24.8 | 37.2 |

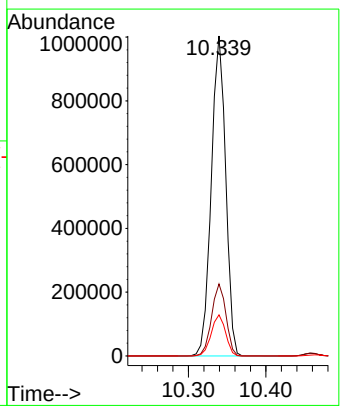


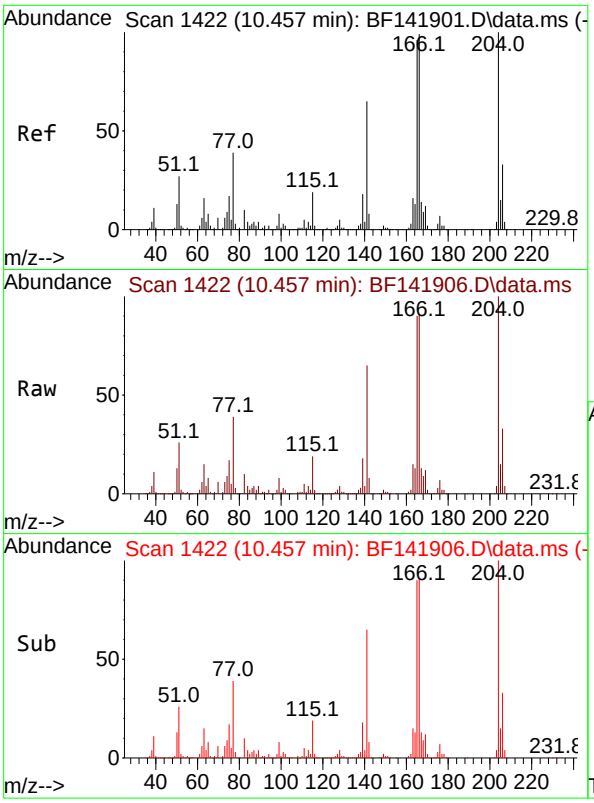




#60
Diethylphthalate
Concen: 38.337 ng
RT: 10.339 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:149 Resp: 1293401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.5 | 18.0 | 27.0 |
| 150 | 12.8 | 10.2 | 15.4 |



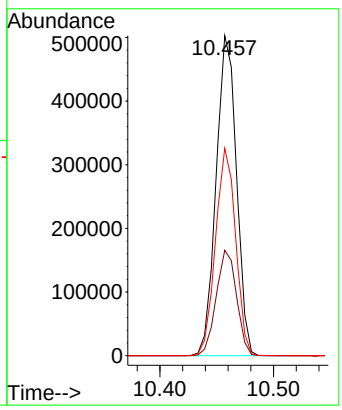


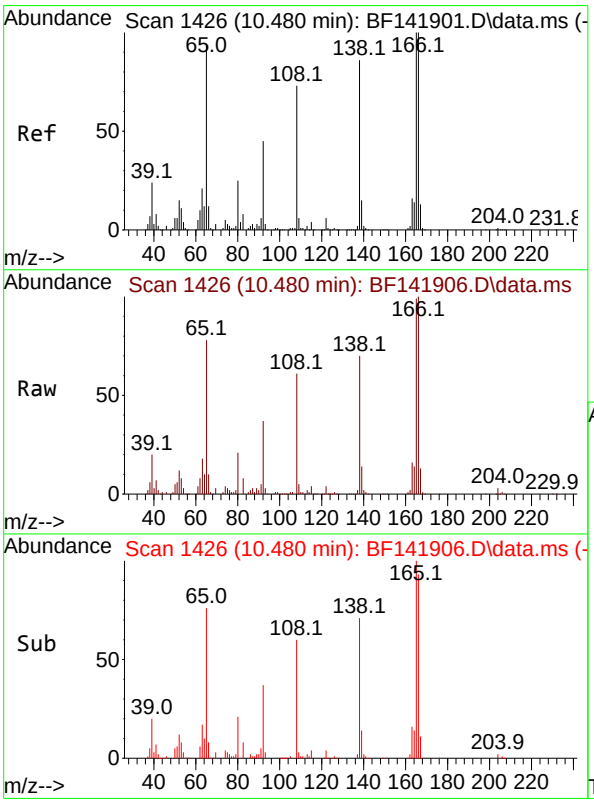

#61
4-Chlorophenyl-phenylether
Concen: 38.272 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:204 Resp: 627404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.0 | 26.8 | 40.2 |
| 141 | 64.8 | 52.4 | 78.6 |

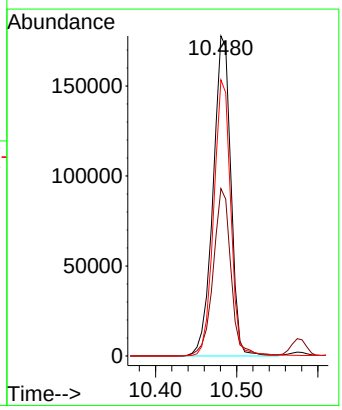


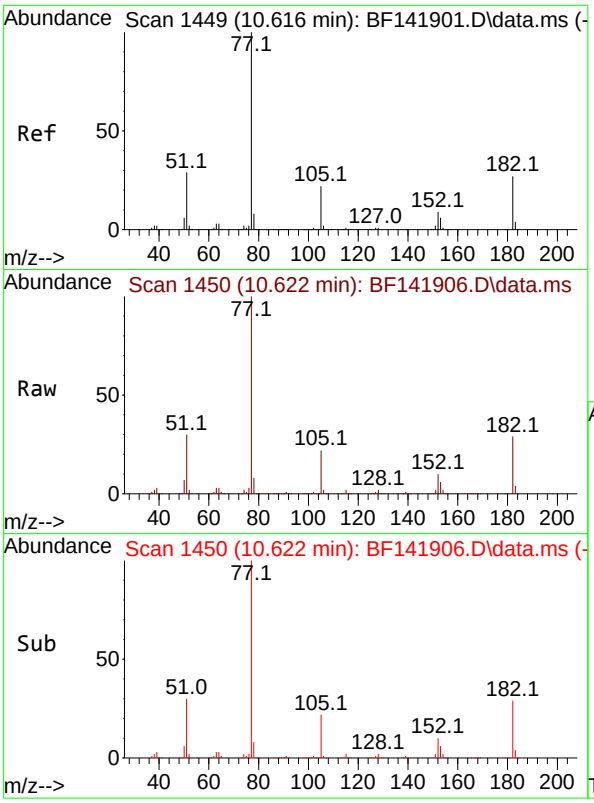




#62
4-Nitroaniline
Concen: 38.953 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:138 Resp: 270993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 52.3 | 32.6 | 72.6 |
| 108 | 86.3 | 65.0 | 105.0 |



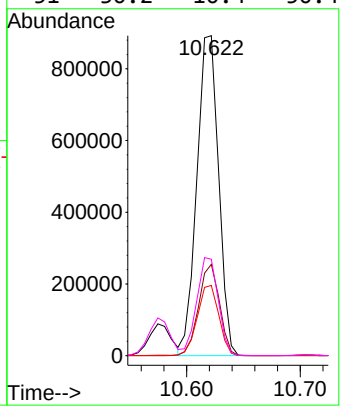


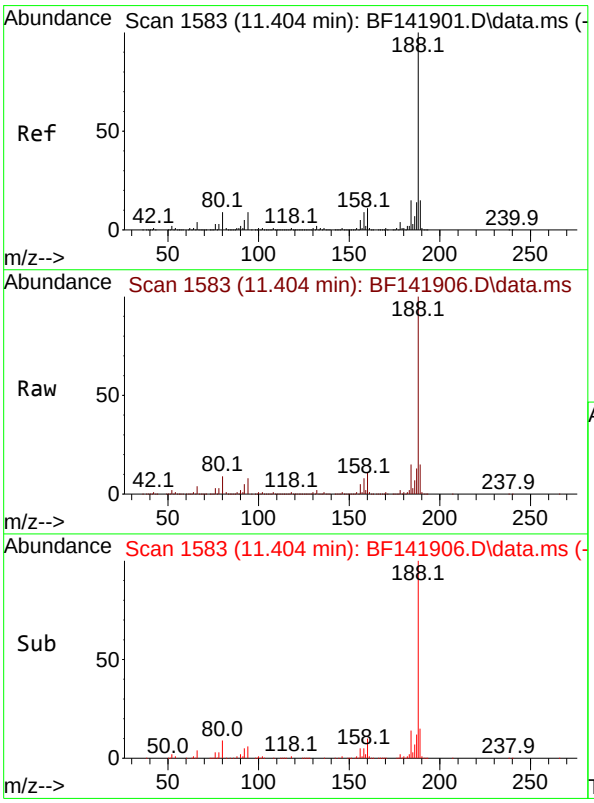

#63
Azobenzene
Concen: 37.911 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion: 77 Resp: 1189121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 28.5 | 6.6 | 46.6 |
| 105 | 22.0 | 1.3 | 41.3 |
| 51 | 30.2 | 10.4 | 50.4 |

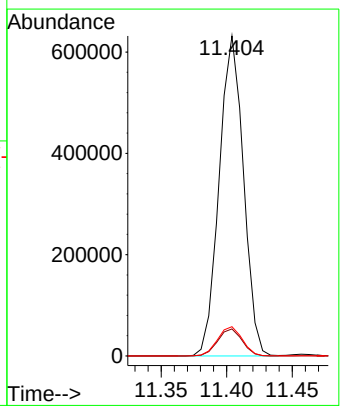


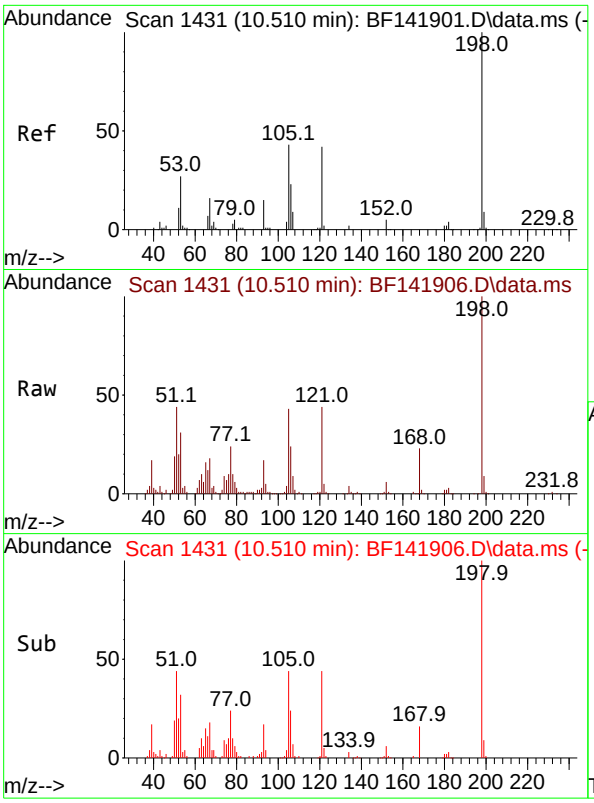




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:188 Resp: 813672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.5 | 6.8 | 10.2 |
| 80 | 9.1 | 7.6 | 11.4 |



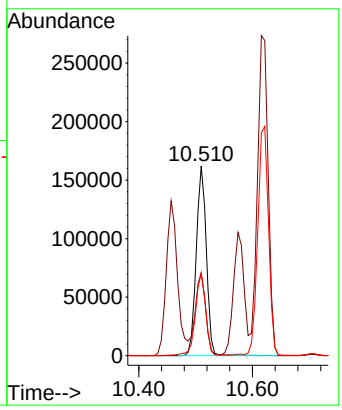


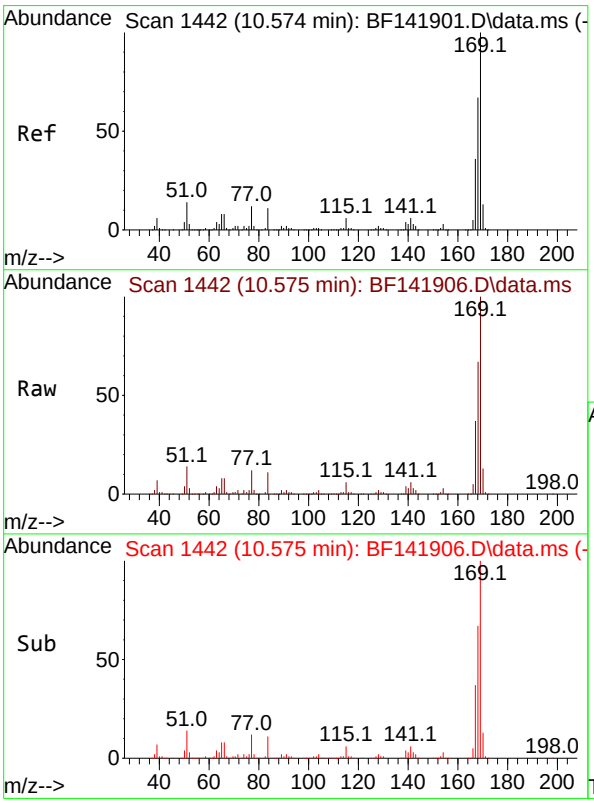

#65
4,6-Dinitro-2-methylphenol
Concen: 41.415 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:198 Resp: 200888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 43.7 | 22.3 | 62.3 |
| 105 | 43.4 | 23.0 | 63.0 |

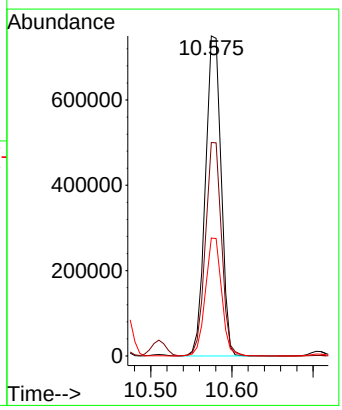


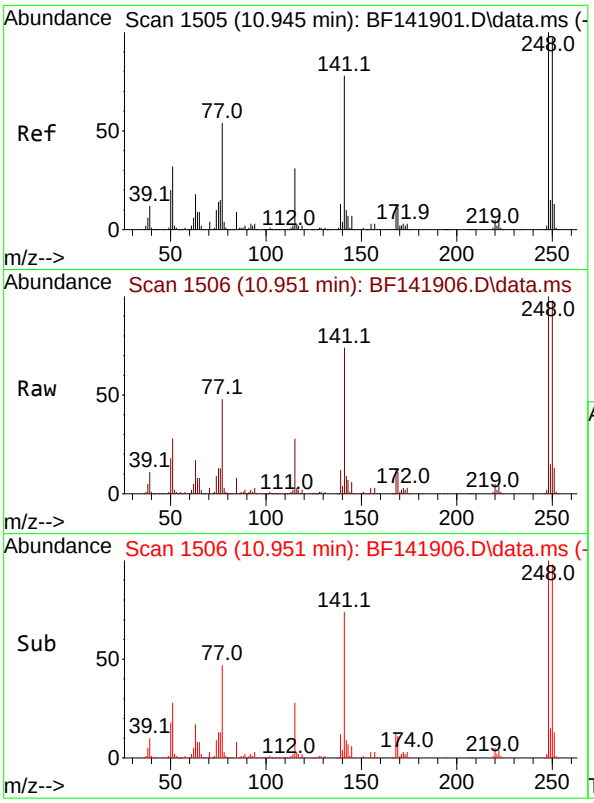




#66
n-Nitrosodiphenylamine
Concen: 38.283 ng
RT: 10.575 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:169 Resp: 1008029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.7 | 53.7 | 80.5 |
| 167 | 36.9 | 29.2 | 43.8 |



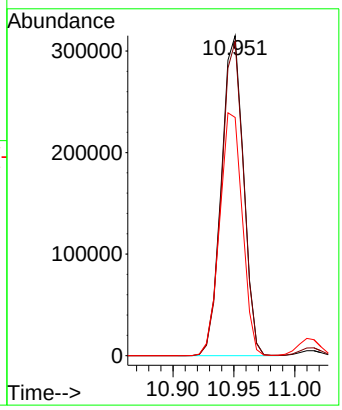


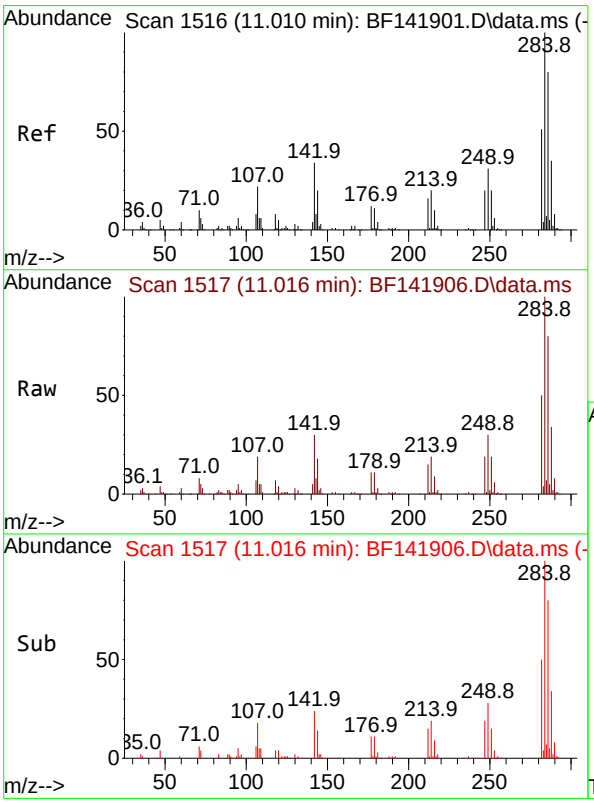

#67
4-Bromophenyl-phenylether
Concen: 39.015 ng
RT: 10.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:248 Resp: 398683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.1 | 77.8 | 116.8 |
| 141 | 74.4 | 62.6 | 93.8 |

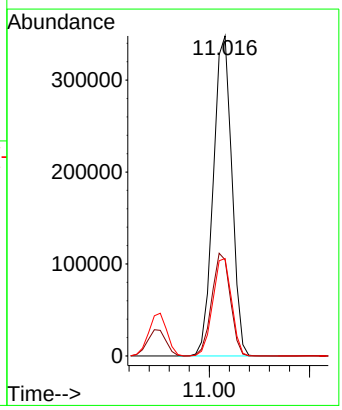


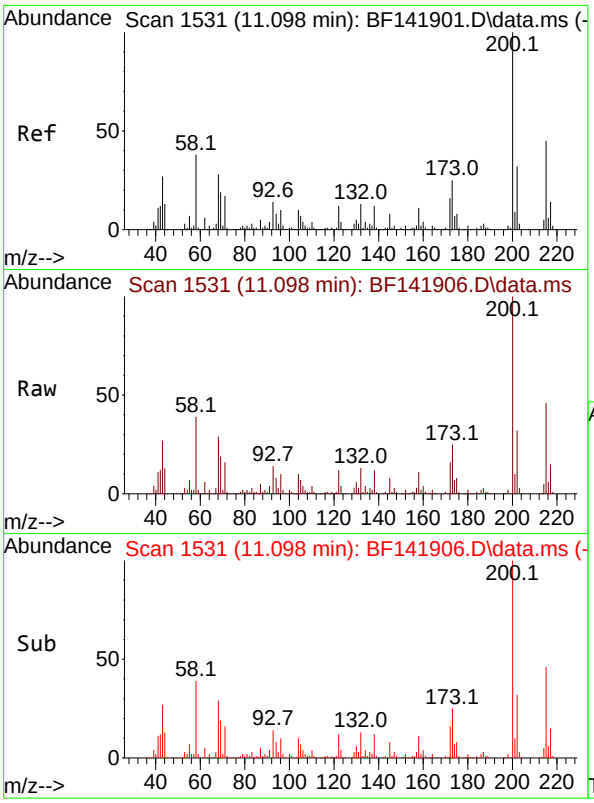




#68
Hexachlorobenzene
Concen: 39.789 ng
RT: 11.016 min Scan# 1517
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:284 Resp: 445938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 30.0 | 27.0 | 40.6 |
| 249 | 30.5 | 25.2 | 37.8 |



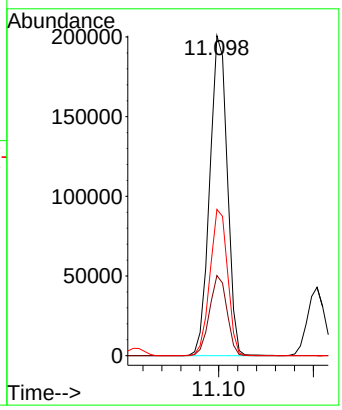


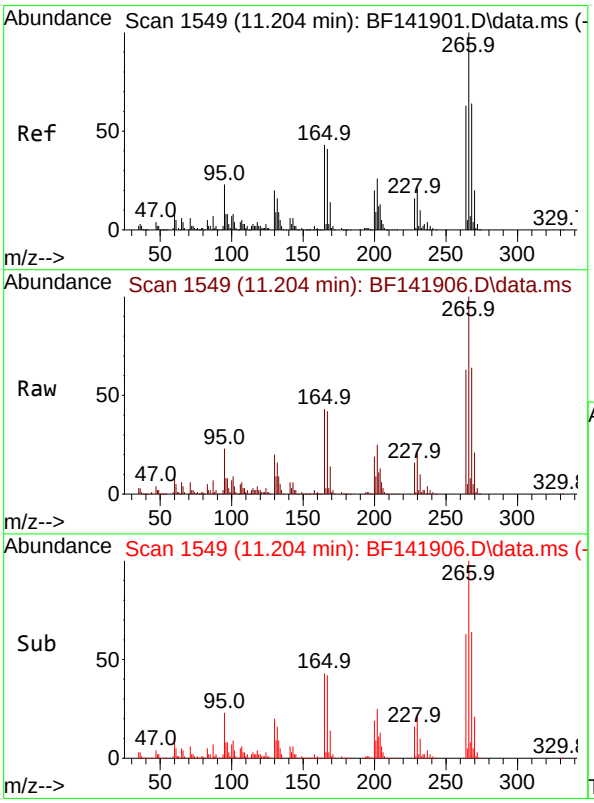

#69
Atrazine
Concen: 31.945 ng
RT: 11.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:200 Resp: 257856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.1 | 4.7 | 44.7 |
| 215 | 45.7 | 25.4 | 65.4 |

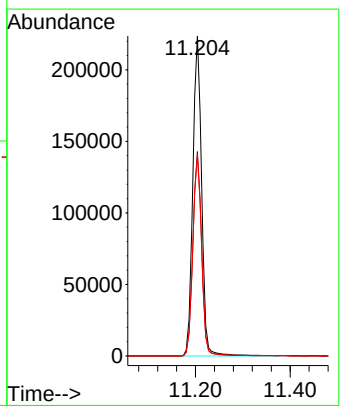


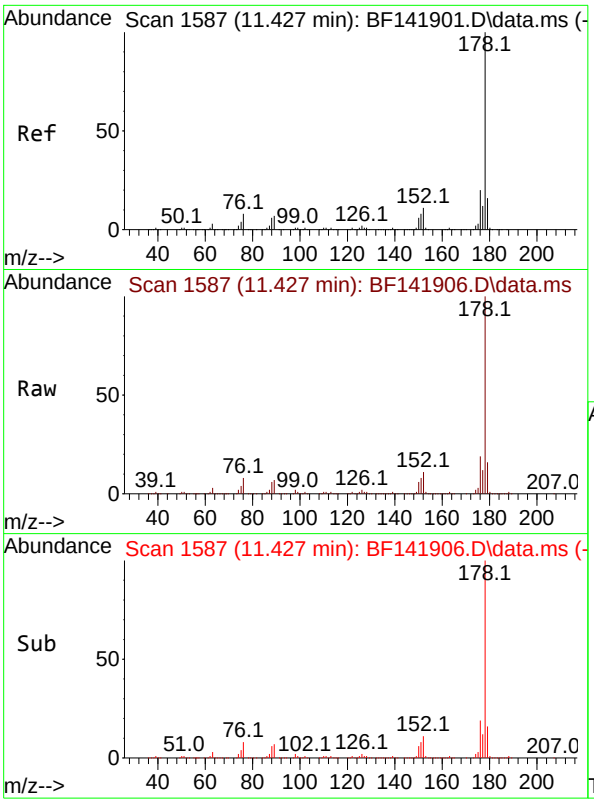




#70
Pentachlorophenol
Concen: 41.955 ng
RT: 11.204 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:266 Resp: 289713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 63.8 | 51.0 | 76.6 |
| 264 | 62.9 | 50.2 | 75.2 |



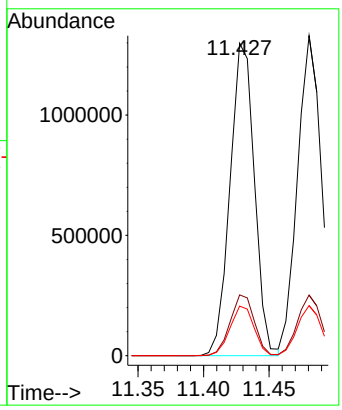


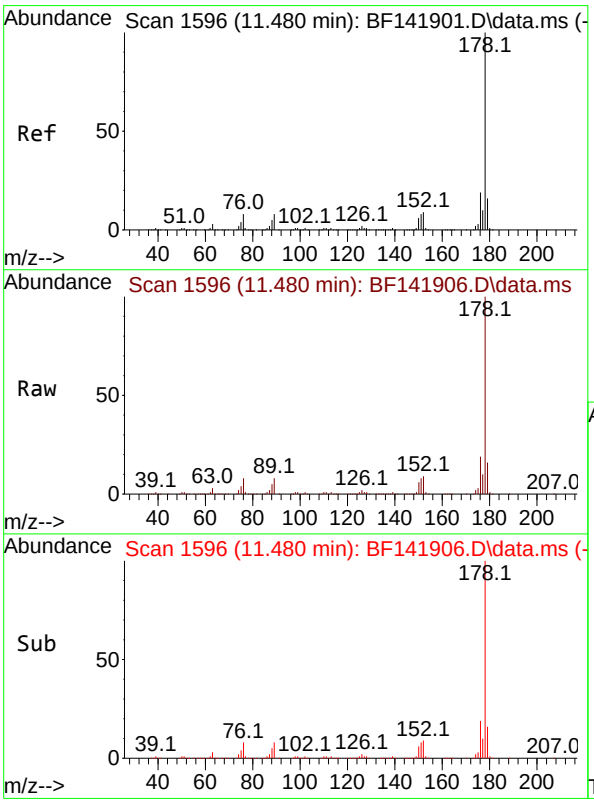

#71
Phenanthrene
Concen: 38.357 ng
RT: 11.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:178 Resp: 1685770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 15.8 | 23.8 |
| 179 | 15.9 | 12.6 | 19.0 |

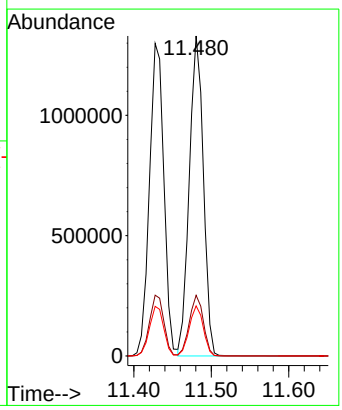


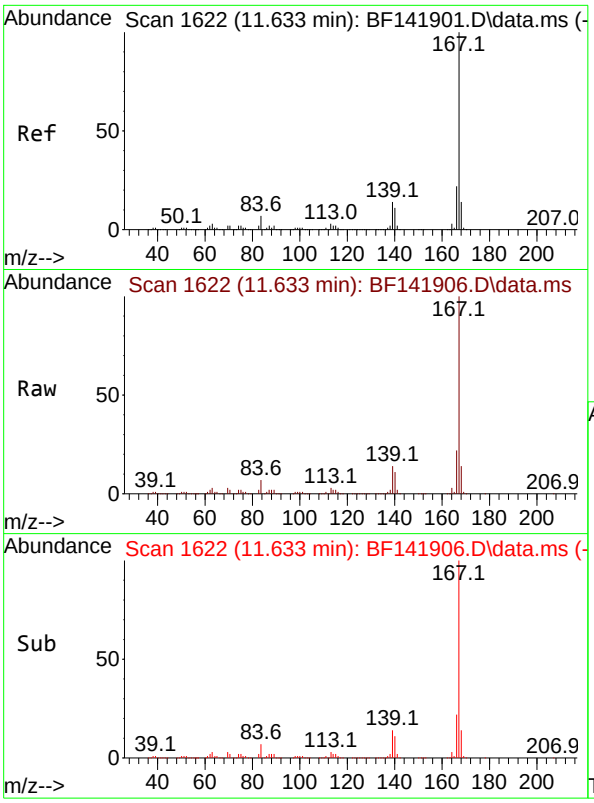




#72
Anthracene
Concen: 37.991 ng
RT: 11.480 min Scan# 1596
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:178 Resp: 1675103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 15.1 | 22.7 |
| 179 | 15.7 | 12.6 | 19.0 |



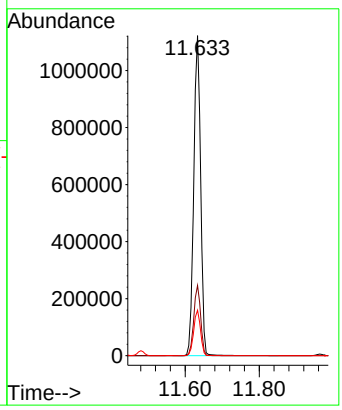


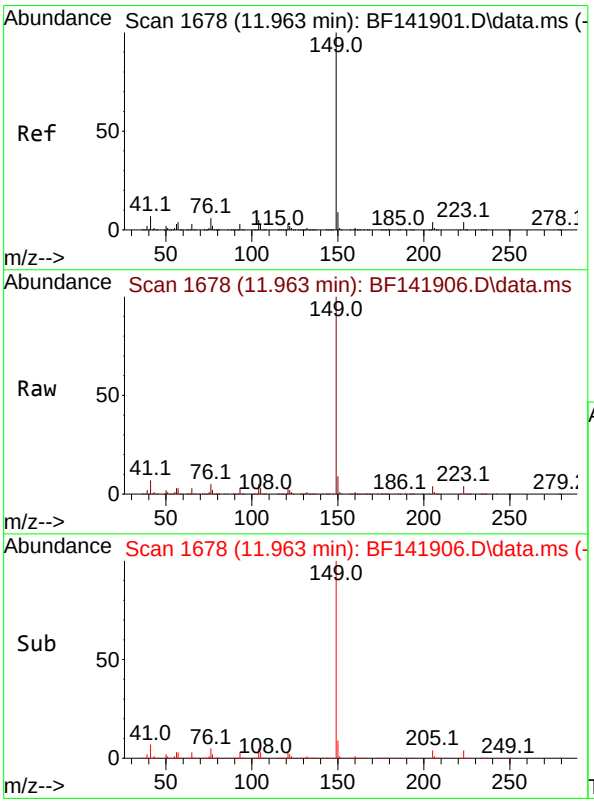

#73
Carbazole
Concen: 38.167 ng
RT: 11.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:167 Resp: 1451333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.0 | 17.4 | 26.2 |
| 139 | 14.2 | 11.0 | 16.6 |

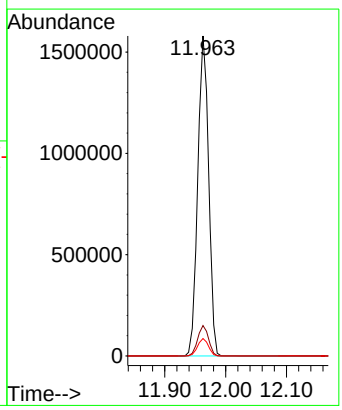


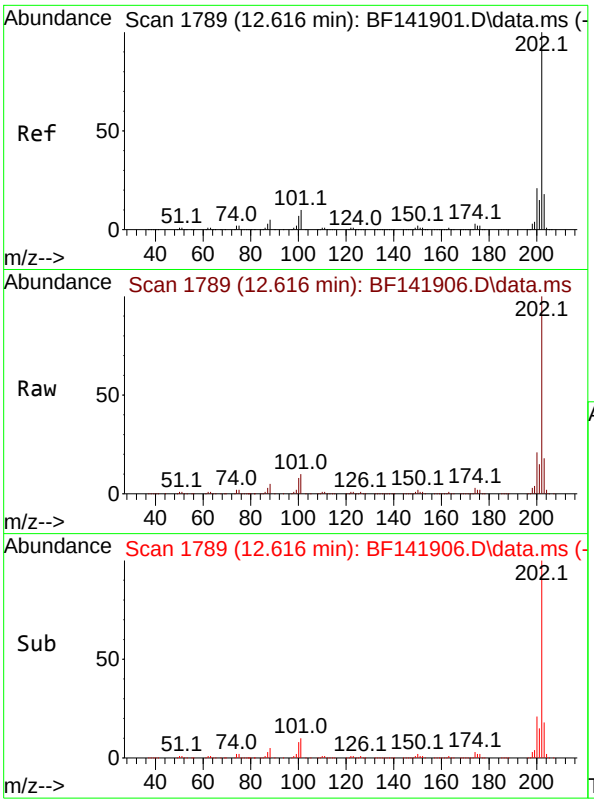




#74
Di-n-butylphthalate
Concen: 38.717 ng
RT: 11.963 min Scan# 1678
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:149 Resp: 1953516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.5 | 7.6 | 11.4 |
| 104 | 5.5 | 4.4 | 6.6 |



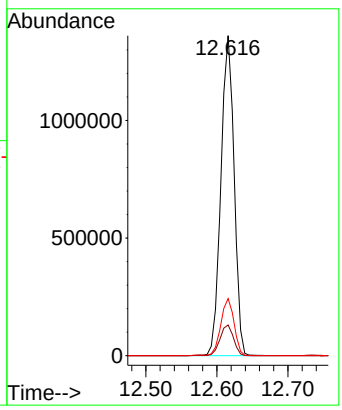


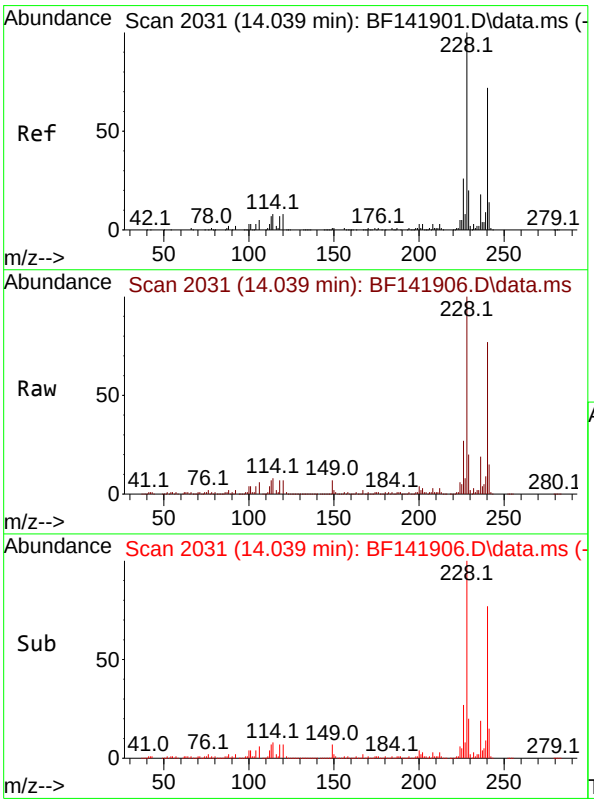

#75
Fluoranthene
Concen: 37.545 ng
RT: 12.616 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:202 Resp: 1750317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.6 | 0.0 | 29.7 |
| 203 | 17.9 | 0.0 | 37.8 |

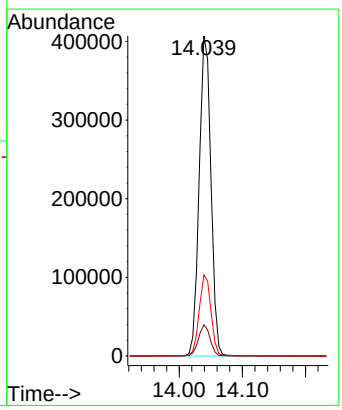


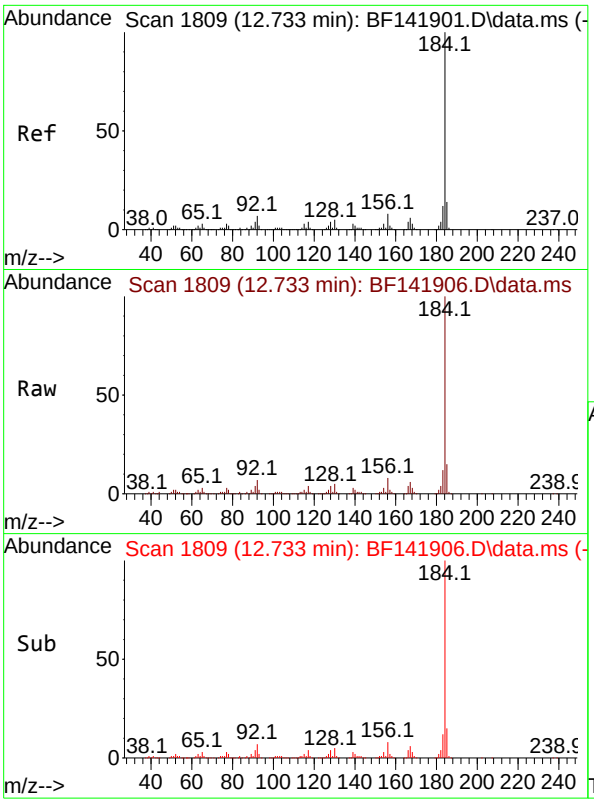




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:240 Resp: 523890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.8 | 8.4 | 12.6 |
| 236 | 25.3 | 20.5 | 30.7 |



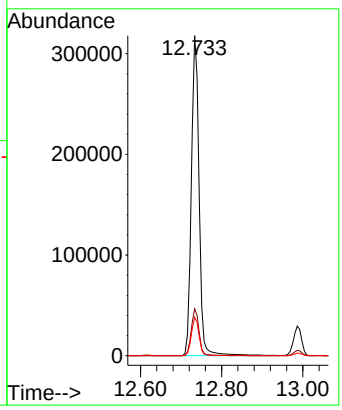


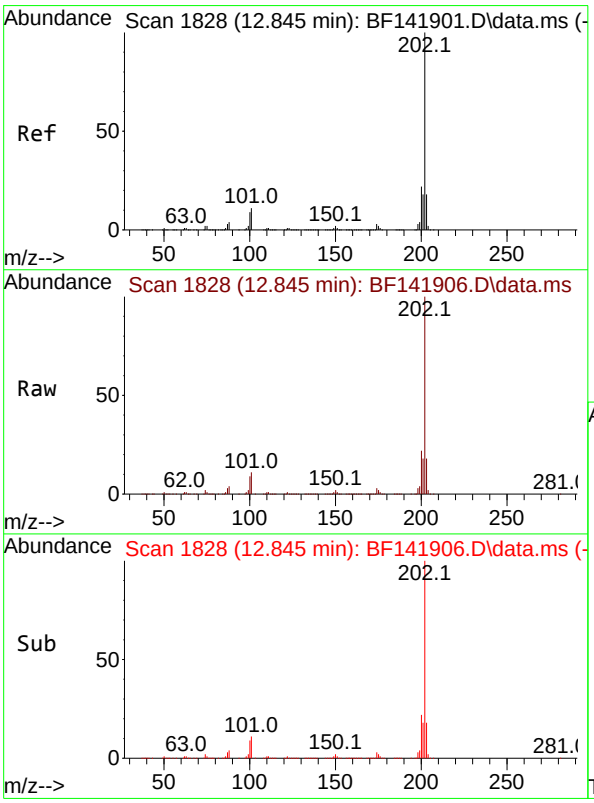

#77
Benzidine
Concen: 57.513 ng
RT: 12.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:184 Resp: 420377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.7 | 11.5 | 17.3 |
| 183 | 12.0 | 9.7 | 14.5 |

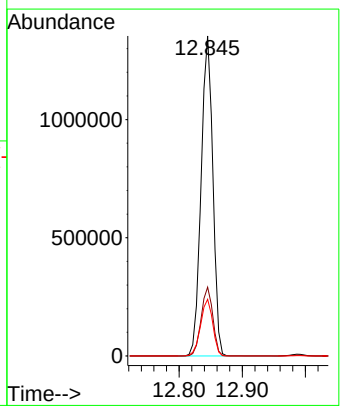


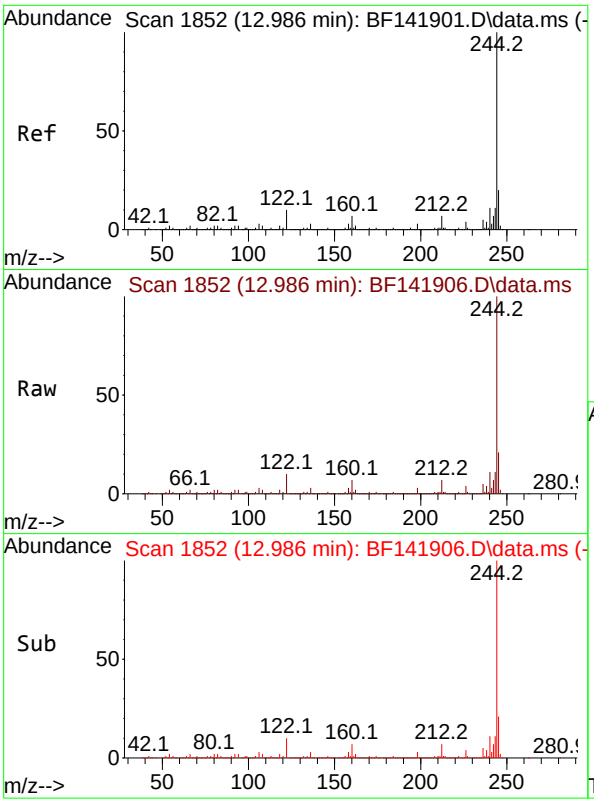




#78
Pyrene
Concen: 38.539 ng
RT: 12.845 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:202 Resp: 1746456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.5 | 17.3 | 25.9 |
| 203 | 17.7 | 14.4 | 21.6 |



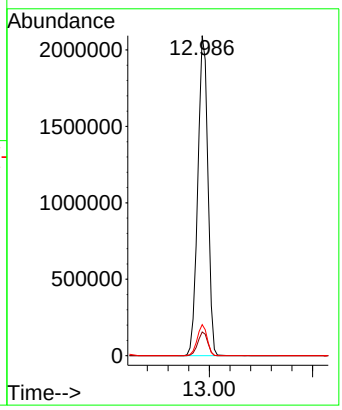


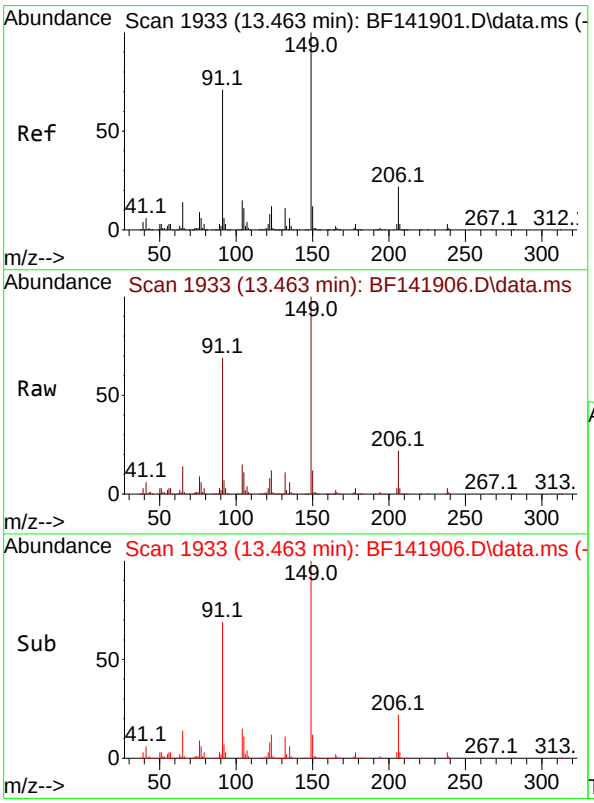

#79
Terphenyl-d14
Concen: 79.748 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:244 Resp: 2825870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.4 | 6.0 | 9.0 |
| 122 | 9.7 | 7.7 | 11.5 |

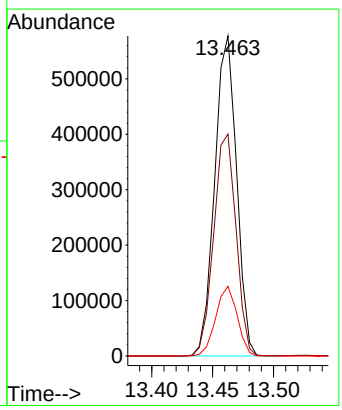


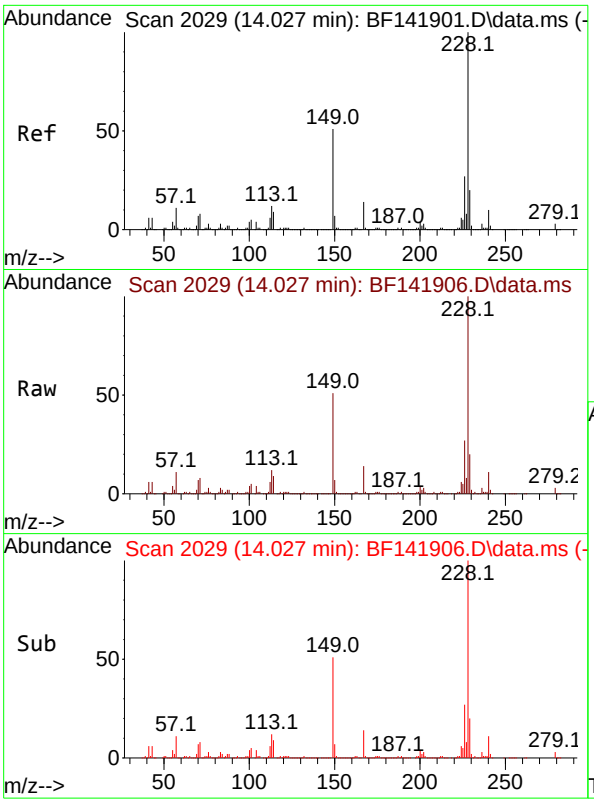




#80
Butylbenzylphthalate
Concen: 40.778 ng
RT: 13.463 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:149 Resp: 723288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 69.3 | 56.5 | 84.7 |
| 206 | 21.8 | 17.3 | 25.9 |



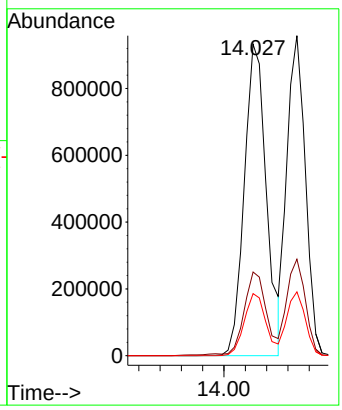


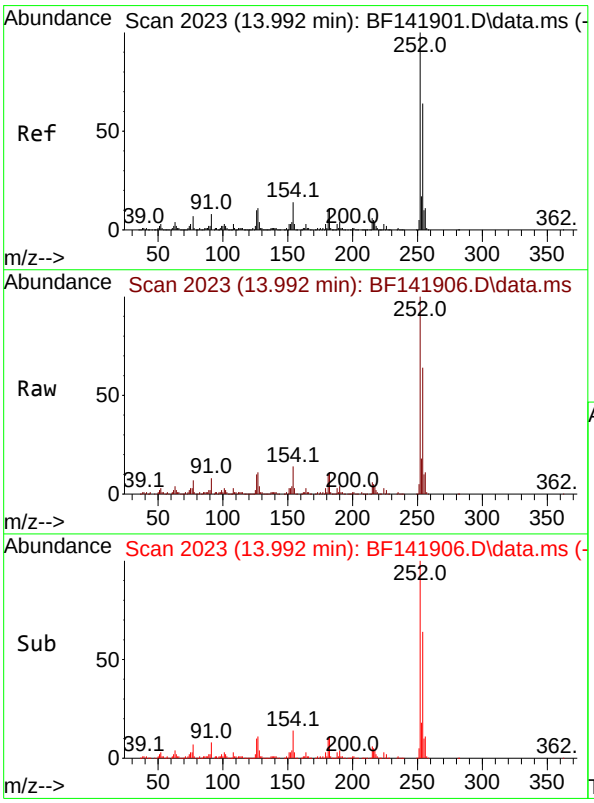

#81
Benzo(a)anthracene
Concen: 39.211 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:228 Resp: 1347977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.9 | 21.8 | 32.8 |
| 229 | 20.0 | 16.0 | 24.0 |

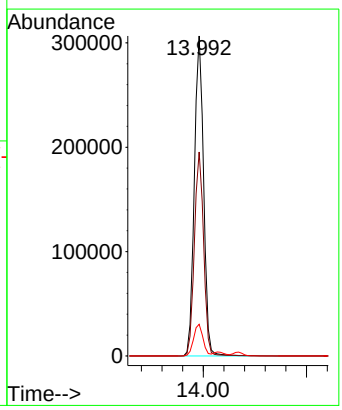


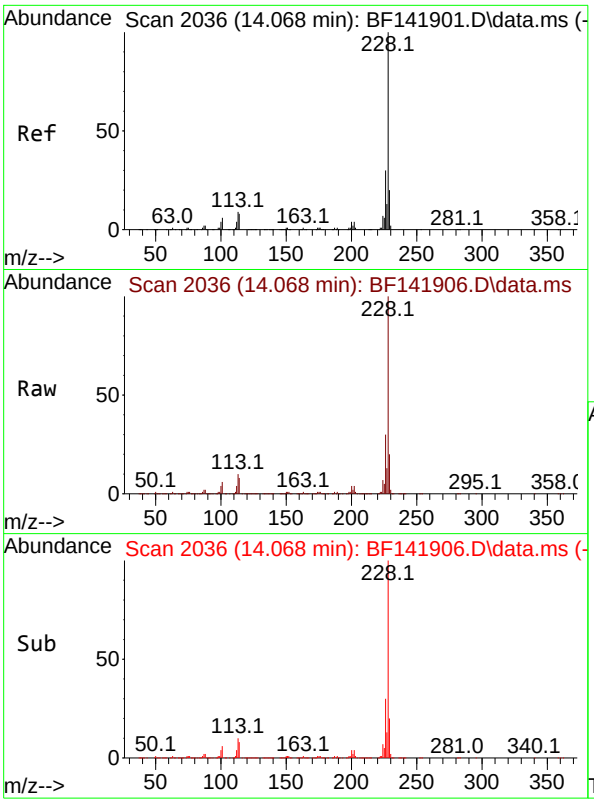




#82
3,3'-Dichlorobenzidine
Concen: 38.337 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:252 Resp: 380866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 63.8 | 51.0 | 76.6 |
| 126 | 9.9 | 8.4 | 12.6 |



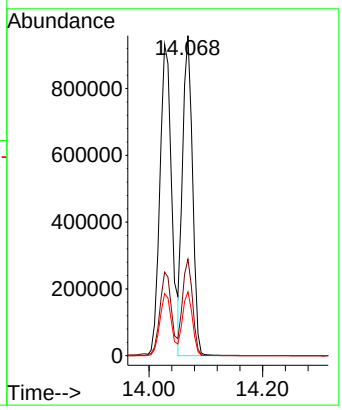


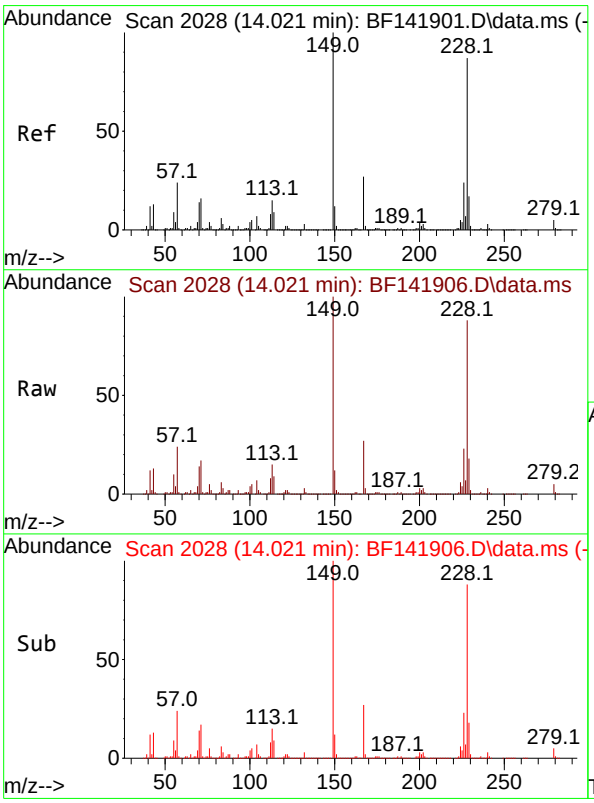

#83
Chrysene
Concen: 37.195 ng
RT: 14.068 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:228 Resp: 1159074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 24.1 | 36.1 |
| 229 | 20.0 | 15.7 | 23.5 |

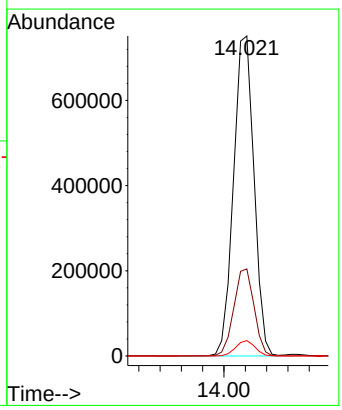


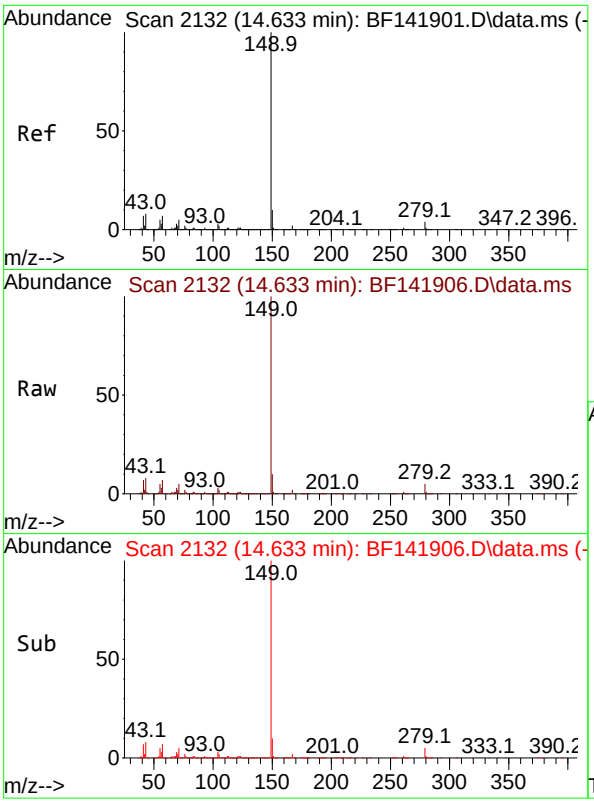




#84
Bis(2-ethylhexyl)phthalate
Concen: 41.142 ng
RT: 14.021 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:149 Resp: 1006170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.2 | 21.4 | 32.0 |
| 279 | 4.8 | 3.8 | 5.6 |



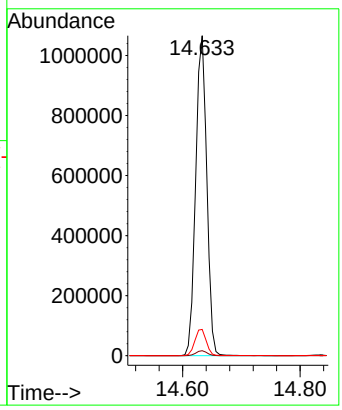


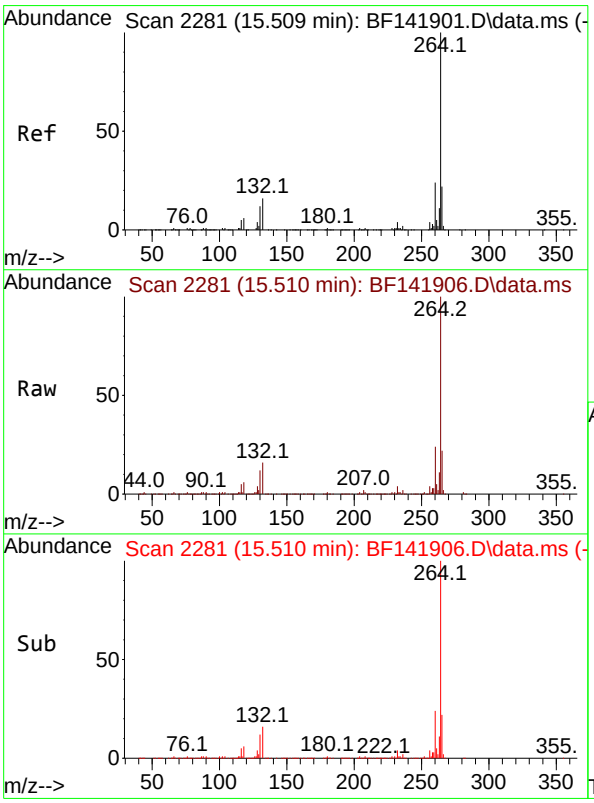

#85
Di-n-octyl phthalate
Concen: 40.971 ng
RT: 14.633 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:149 Resp: 1394136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 8.5 | 6.9 | 10.3 |

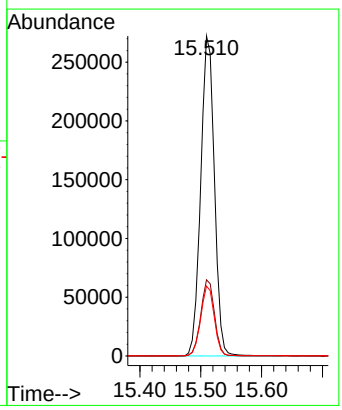


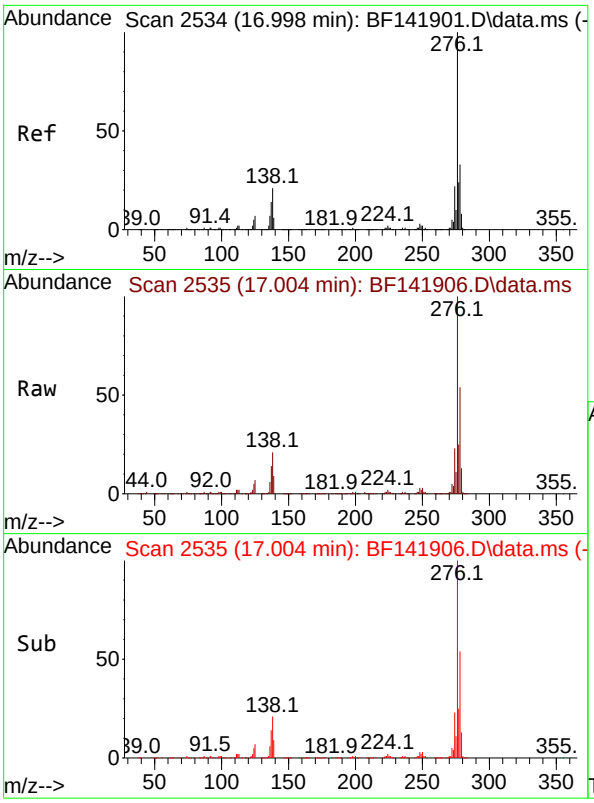




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:264 Resp: 426422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 19.1 | 28.7 |
| 265 | 21.8 | 17.5 | 26.3 |



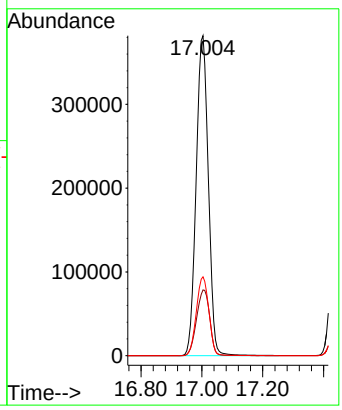


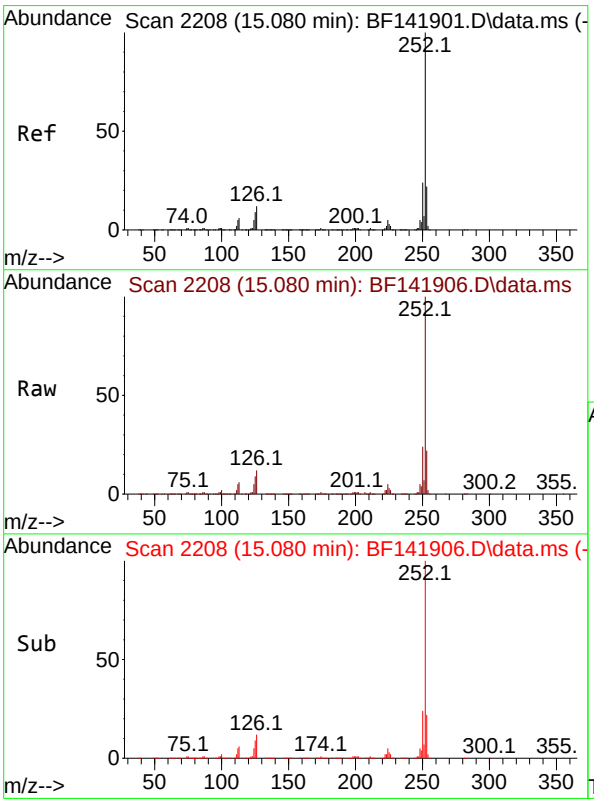

#87
Indeno(1,2,3-cd)pyrene
Concen: 38.467 ng
RT: 17.004 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:276 Resp: 1061096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.2 | 18.4 | 27.6 |
| 277 | 25.3 | 20.3 | 30.5 |

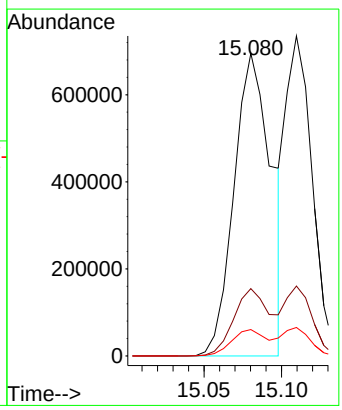


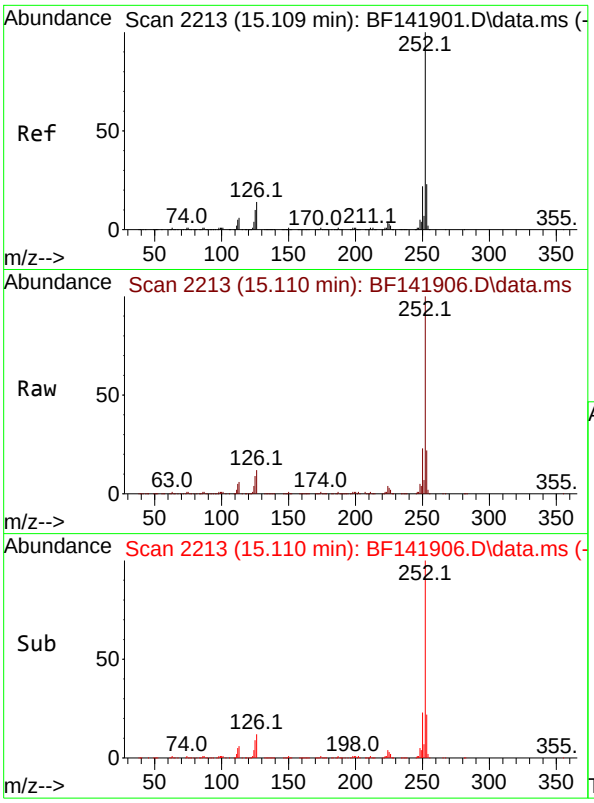




#88
Benzo(b)fluoranthene
Concen: 39.906 ng
RT: 15.080 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:252 Resp: 1166263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.5 | 26.3 |
| 125 | 8.7 | 7.0 | 10.4 |



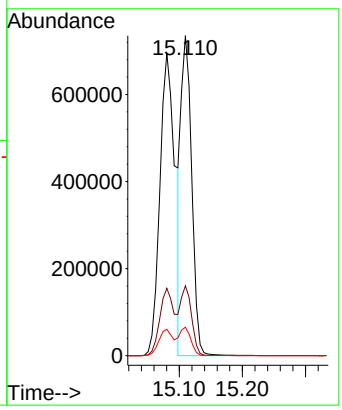


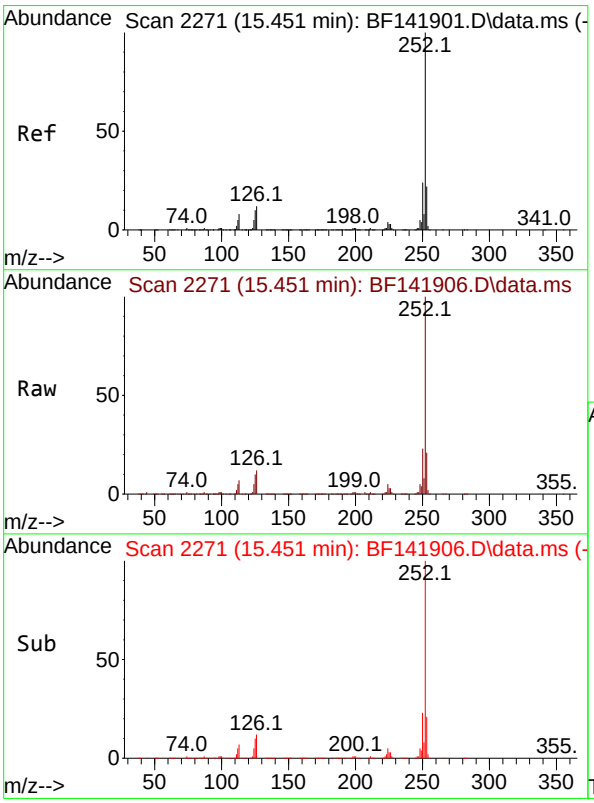

#89
Benzo(k)fluoranthene
Concen: 34.765 ng
RT: 15.110 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:252 Resp: 869471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.7 | 26.5 |
| 125 | 8.9 | 7.2 | 10.8 |

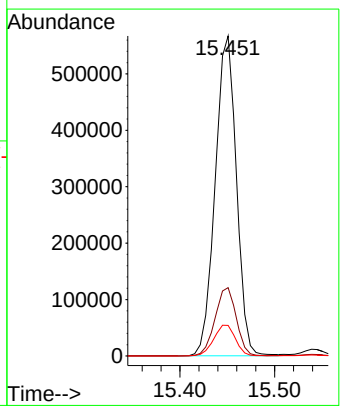


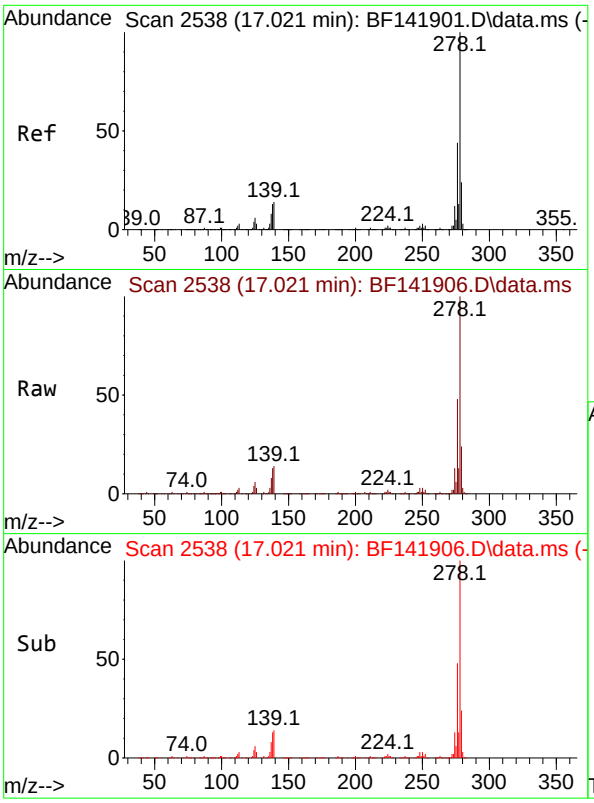




#90
Benzo(a)pyrene
Concen: 38.612 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:252 Resp: 882967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.4 | 17.4 | 26.0 |
| 125 | 9.6 | 7.8 | 11.8 |



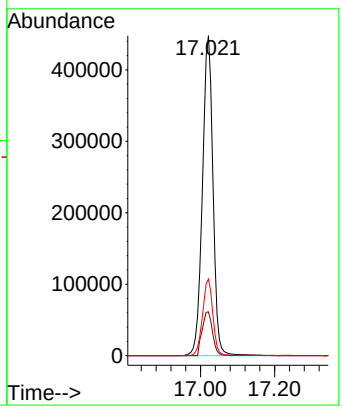


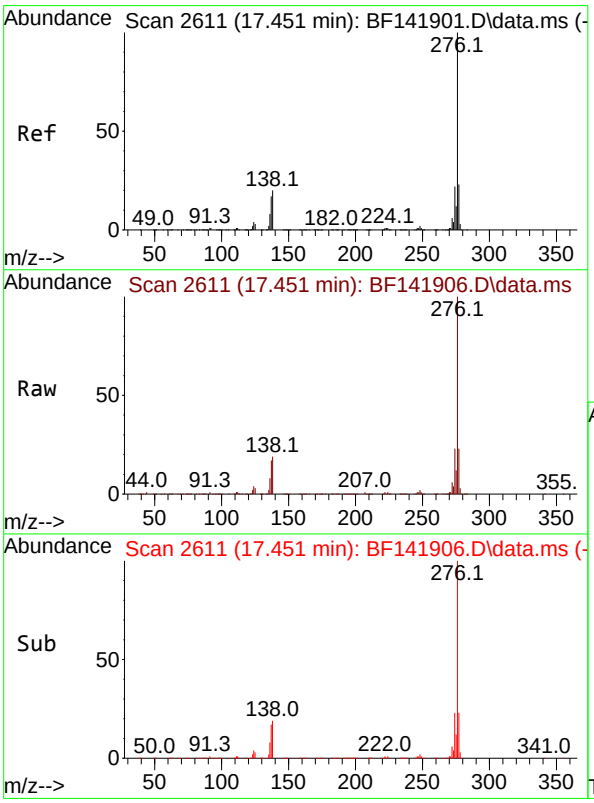

#91
Dibenzo(a,h)anthracene
Concen: 38.931 ng
RT: 17.021 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Tgt Ion:278 Resp: 886038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.7 | 11.4 | 17.2 |
| 279 | 23.9 | 18.8 | 28.2 |

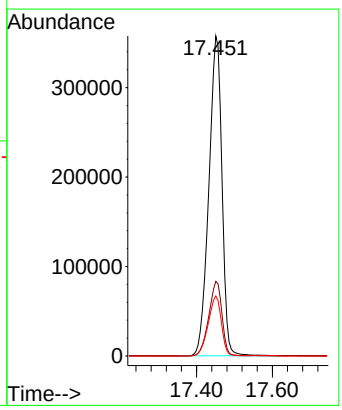



#92
Benzo(g,h,i)perylene
Concen: 38.051 ng
RT: 17.451 min Scan# 2611
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:276 Resp: 855812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.3 | 18.7 | 28.1 |
| 138 | 18.7 | 15.8 | 23.8 |



# Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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 | 94 | 0.00 |
| 2 | | 1,4-Dioxane | 0.502 | 0.485 | 3.4 | 91 | 0.00 |
| 3 | | Pyridine | 1.232 | 1.202 | 2.4 | 93 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.587 | 0.572 | 2.6 | 92 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.198 | 1.151 | 3.9 | 94 | 0.00 |
| 6 | | Aniline | 1.505 | 1.466 | 2.6 | 94 | 0.00 |
| 7 | S | Phenol-d6 | 1.526 | 1.468 | 3.8 | 96 | 0.00 |
| 8 | | 2-Chlorophenol | 1.329 | 1.287 | 3.2 | 96 | 0.00 |
| 9 | | Benzaldehyde | 0.853 | 0.810 | 5.0 | 98 | 0.00 |
| 10 | C | Phenol | 1.605 | 1.570 | 2.2 | 96 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.205 | 1.152 | 4.4 | 95 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.435 | 1.377 | 4.0 | 94 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.452 | 1.392 | 4.1 | 94 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.367 | 1.325 | 3.1 | 96 | 0.00 |
| 15 | | Benzyl Alcohol | 1.233 | 1.215 | 1.5 | 96 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.455 | 1.358 | 6.7 | 94 | 0.00 |
| 17 | | 2-Methylphenol | 1.057 | 1.024 | 3.1 | 96 | 0.00 |
| 18 | | Hexachloroethane | 0.544 | 0.528 | 2.9 | 96 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.980 | 0.932 | 4.9 | 96 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.354 | 1.307 | 3.5 | 95 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 22 | | Acetophenone | 0.479 | 0.451 | 5.8 | 94 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.355 | 0.351 | 1.1 | 97 | 0.00 |
| 24 | | Nitrobenzene | 0.353 | 0.344 | 2.5 | 96 | 0.00 |
| 25 | | Isophorone | 0.628 | 0.599 | 4.6 | 96 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.173 | 0.175 | -1.2 | 96 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.239 | 0.229 | 4.2 | 96 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.394 | 0.374 | 5.1 | 97 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.296 | 0.289 | 2.4 | 97 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.327 | 0.313 | 4.3 | 97 | 0.00 |
| 31 | | Naphthalene | 1.027 | 0.972 | 5.4 | 95 | 0.00 |
| 32 | | Benzoic acid | 0.210 | 0.222 | -5.7 | 103 | 0.00 |
| 33 | | 4-Chloroaniline | 0.363 | 0.352 | 3.0 | 97 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.213 | 0.207 | 2.8 | 98 | 0.00 |
| 35 | | Caprolactam | 0.090 | 0.084 | 6.7 | 96 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.331 | 0.319 | 3.6 | 96 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.687 | 0.651 | 5.2 | 96 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.663 | 0.638 | 3.8 | 98 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.609 | 0.581 | 4.6 | 96 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.238 | 0.228 | 4.2 | 89 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.254 | 0.252 | 0.8 | 98 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.398 | 0.391 | 1.8 | 96 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.403 | 0.386 | 4.2 | 97 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.315 | 1.242 | 5.6 | 97 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.520 | 1.451 | 4.5 | 98 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.133 | 1.079 | 4.8 | 97 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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 | 0.328 | 0.319 | 2.7 | 97 | 0.00 |
| 49 | | Acenaphthylene | 1.681 | 1.585 | 5.7 | 95 | 0.00 |
| 50 | | Dimethylphthalate | 1.401 | 1.317 | 6.0 | 97 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.292 | 0.284 | 2.7 | 97 | 0.00 |
| 52 | C | Acenaphthene | 1.181 | 1.134 | 4.0 | 97 | 0.00 |
| 53 | | 3-Nitroaniline | 0.296 | 0.285 | 3.7 | 95 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.139 | 0.148 | -6.5 | 102 | 0.00 |
| 55 | | Dibenzofuran | 1.688 | 1.594 | 5.6 | 97 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.223 | 0.220 | 1.3 | 94 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.381 | 0.374 | 1.8 | 98 | 0.00 |
| 58 | | Fluorene | 1.302 | 1.216 | 6.6 | 97 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.367 | 0.358 | 2.5 | 98 | 0.00 |
| 60 | | Diethylphthalate | 1.397 | 1.338 | 4.2 | 98 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.679 | 0.649 | 4.4 | 99 | 0.00 |
| 62 | | 4-Nitroaniline | 0.288 | 0.280 | 2.8 | 95 | 0.00 |
| 63 | | Azobenzene | 1.298 | 1.231 | 5.2 | 97 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.119 | 0.123 | -3.4 | 99 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.647 | 0.619 | 4.3 | 97 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.251 | 0.245 | 2.4 | 97 | 0.00 |
| 68 | | Hexachlorobenzene | 0.275 | 0.274 | 0.4 | 99 | 0.00 |
| 69 | | Atrazine | 0.198 | 0.158 | 20.2 | 94 | 0.00 |
| 70 | C | Pentachlorophenol | 0.170 | 0.178 | -4.7 | 97 | 0.00 |
| 71 | | Phenanthrene | 1.080 | 1.036 | 4.1 | 97 | 0.00 |
| 72 | | Anthracene | 1.084 | 1.029 | 5.1 | 95 | 0.00 |
| 73 | | Carbazole | 0.935 | 0.892 | 4.6 | 95 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.240 | 1.200 | 3.2 | 99 | 0.00 |
| 75 | C | Fluoranthene | 1.146 | 1.076 | 6.1 | 94 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 77 | | Benzidine | 0.279 | 0.401 | -43.7# | 103 | 0.00 |
| 78 | | Pyrene | 1.730 | 1.667 | 3.6 | 95 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.353 | 1.349 | 0.3 | 97 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.677 | 0.690 | -1.9 | 97 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.312 | 1.287 | 1.9 | 93 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.379 | 0.363 | 4.2 | 90 | 0.00 |
| 83 | | Chrysene | 1.190 | 1.106 | 7.1 | 90 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.934 | 0.960 | -2.8 | 98 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.299 | 1.331 | -2.5 | 97 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.294 | 1.244 | 3.9 | 88 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.371 | 1.367 | 0.3 | 103 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.173 | 1.019 | 13.1 | 77 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.073 | 1.035 | 3.5 | 91 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.067 | 1.039 | 2.6 | 88 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.055 | 1.003 | 4.9 | 86 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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 | 94 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 38.670 | 3.3 | 91 | 0.00 |
| 3 | | Pyridine | 40.000 | 39.050 | 2.4 | 93 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.959 | 2.6 | 92 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 76.823 | 4.0 | 94 | 0.00 |
| 6 | | Aniline | 40.000 | 38.958 | 2.6 | 94 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 76.962 | 3.8 | 96 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.721 | 3.2 | 96 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 37.950 | 5.1 | 98 | 0.00 |
| 10 | C | Phenol | 40.000 | 39.115 | 2.2 | 96 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.246 | 4.4 | 95 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.391 | 4.0 | 94 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.366 | 4.1 | 94 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.744 | 3.1 | 96 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.408 | 1.5 | 96 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.338 | 6.7 | 94 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 38.775 | 3.1 | 96 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.797 | 3.0 | 96 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.038 | 4.9 | 96 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.619 | 3.5 | 95 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 96 | 0.00 |
| 22 | | Acetophenone | 40.000 | 37.650 | 5.9 | 94 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 78.962 | 1.3 | 97 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.980 | 2.6 | 96 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.163 | 4.6 | 96 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.429 | -1.1 | 96 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.414 | 4.0 | 96 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.943 | 5.1 | 97 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.952 | 2.6 | 97 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.336 | 4.2 | 97 | 0.00 |
| 31 | | Naphthalene | 40.000 | 37.827 | 5.4 | 95 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 42.303 | -5.8 | 103 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 38.847 | 2.9 | 97 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.849 | 2.9 | 98 | 0.00 |
| 35 | | Caprolactam | 40.000 | 37.276 | 6.8 | 96 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.550 | 3.6 | 96 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.935 | 5.2 | 96 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 38.484 | 3.8 | 98 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 98 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.191 | 4.5 | 96 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 38.281 | 4.3 | 89 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 79.342 | 0.8 | 98 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 39.292 | 1.8 | 96 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 38.263 | 4.3 | 97 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 75.528 | 5.6 | 97 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 38.182 | 4.5 | 98 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 38.090 | 4.8 | 97 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 38.908 | 2.7 | 97 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 37.725 | 5.7 | 95 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 37.611 | 6.0 | 97 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 38.970 | 2.6 | 97 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 38.405 | 4.0 | 97 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 38.561 | 3.6 | 95 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 39.326 | 1.7 | 102 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 37.778 | 5.6 | 97 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 39.425 | 1.4 | 94 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 39.291 | 1.8 | 98 | 0.00 |
| 58 | | Fluorene | 40.000 | 37.381 | 6.5 | 97 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.070 | 2.3 | 98 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 38.337 | 4.2 | 98 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 38.272 | 4.3 | 99 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 38.953 | 2.6 | 95 | 0.00 |
| 63 | | Azobenzene | 40.000 | 37.911 | 5.2 | 97 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 97 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 41.415 | -3.5 | 99 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 38.283 | 4.3 | 97 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 39.015 | 2.5 | 97 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 39.789 | 0.5 | 99 | 0.00 |
| 69 | | Atrazine | 40.000 | 31.945 | 20.1 | 94 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 41.955 | -4.9 | 97 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 38.357 | 4.1 | 97 | 0.00 |
| 72 | | Anthracene | 40.000 | 37.991 | 5.0 | 95 | 0.00 |
| 73 | | Carbazole | 40.000 | 38.167 | 4.6 | 95 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 38.717 | 3.2 | 99 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 37.545 | 6.1 | 94 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 92 | 0.00 |
| 77 | | Benzidine | 40.000 | 57.513 | -43.8# | 103 | 0.00 |
| 78 | | Pyrene | 40.000 | 38.539 | 3.7 | 95 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 79.748 | 0.3 | 97 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 40.778 | -1.9 | 97 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.211 | 2.0 | 93 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 38.337 | 4.2 | 90 | 0.00 |
| 83 | | Chrysene | 40.000 | 37.195 | 7.0 | 90 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 41.142 | -2.9 | 98 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 40.971 | -2.4 | 97 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 91 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.467 | 3.8 | 88 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 39.906 | 0.2 | 103 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 34.765 | 13.1 | 77 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 38.612 | 3.5 | 91 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 38.931 | 2.7 | 88 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 38.051 | 4.9 | 86 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG No.: Q1502

Instrument ID: BNA_P Calibration Date(s): 03/12/2025 03/12/2025

Calibration Time(s): 16:17 21:02

LAB FILE ID: RRF2.5 = BP024160.D RRF005 = BP024161.D RRF010 = BP024162.D
RRF020 = BP024163.D RRF040 = BP024164.D RRF050 = BP024165.D

| COMPOUND | RRF2.5 | RRF005 | RRF010 | RRF020 | RRF040 | RRF050 | RRF | % RSD |
|---|---|---|---|---|---|---|---|---|
| 2-Fluorophenol | | 1.158 | 1.194 | 1.307 | 1.211 | 1.291 | 1.253 | 5.1 |
| Phenol-d6 | | 1.518 | 1.581 | 1.747 | 1.631 | 1.749 | 1.675 | 5.9 |
| Nitrobenzene-d5 | | 0.330 | 0.338 | 0.366 | 0.351 | 0.362 | 0.354 | 4.3 |
| 2-Fluorobiphenyl | | 1.364 | 1.358 | 1.420 | 1.319 | 1.335 | 1.356 | 2.4 |
| 2,4,6-Tribromophenol | | 0.203 | 0.222 | 0.256 | 0.252 | 0.270 | 0.252 | 11.7 |
| Atrazine | | 0.165 | 0.171 | 0.157 | 0.135 | 0.105 | 0.147 | 18.5 |
| Terphenyl-d14 | | 0.967 | 0.973 | 1.033 | 0.948 | 0.966 | 0.969 | 3.4 |

All other compounds must meet a minimum RRF of 0.010.

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)

ICAL Form

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 |

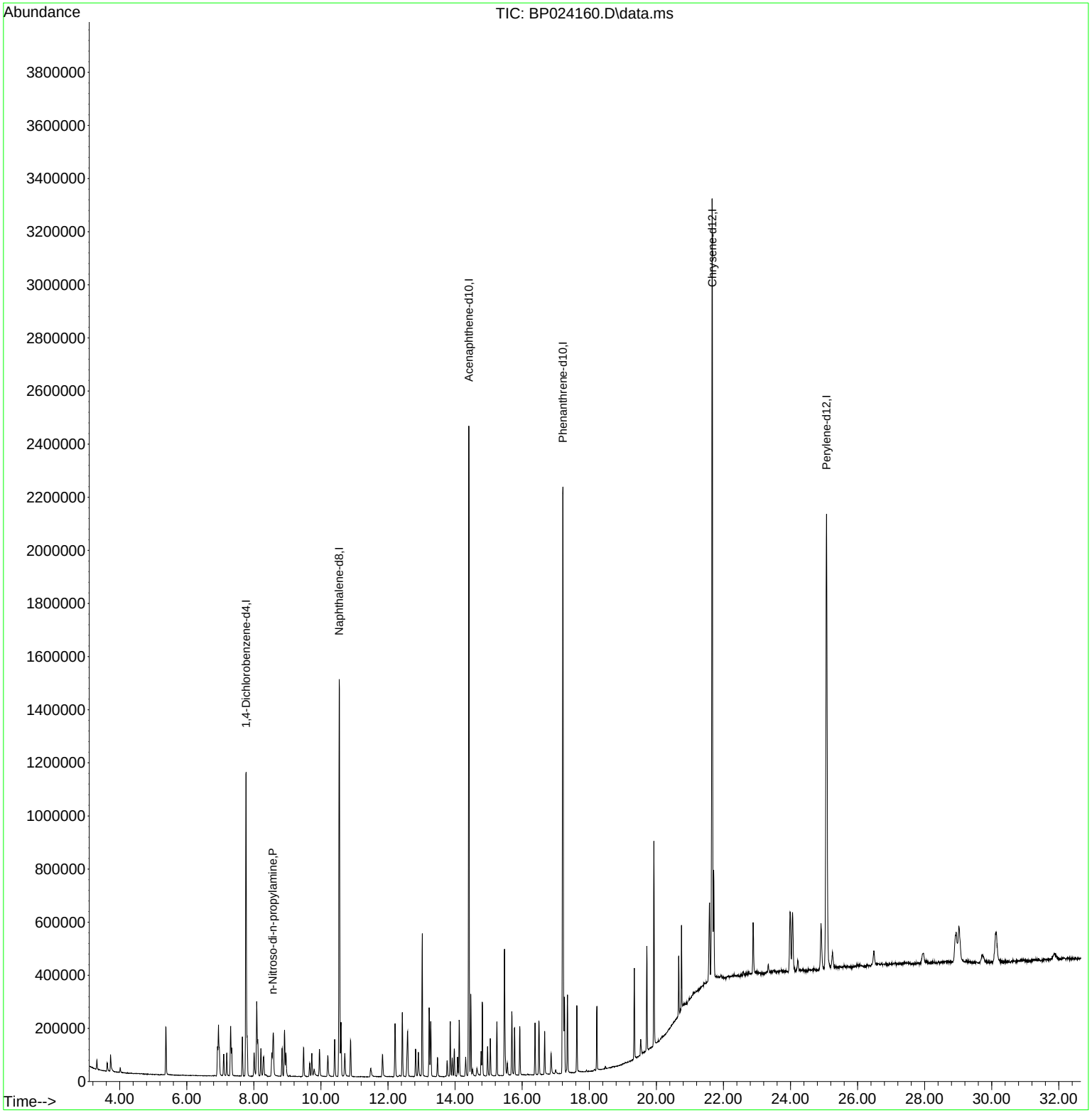
(#) = qualifier out of range (m) = manual integration (+) = signals summed

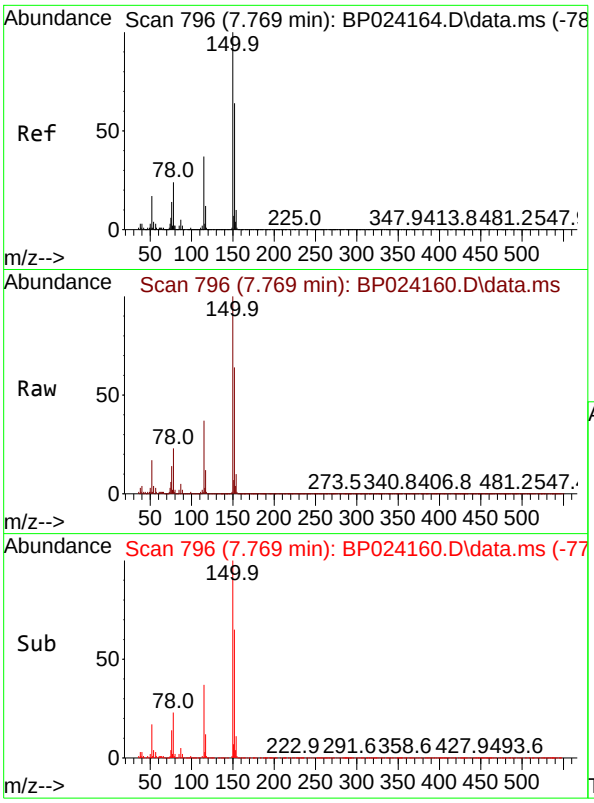
ICAL Form

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



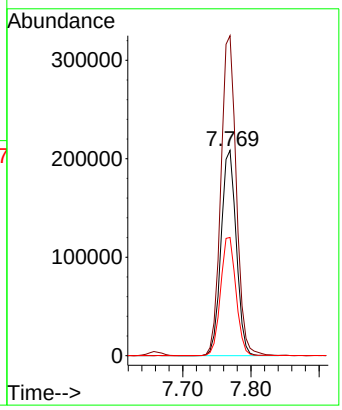


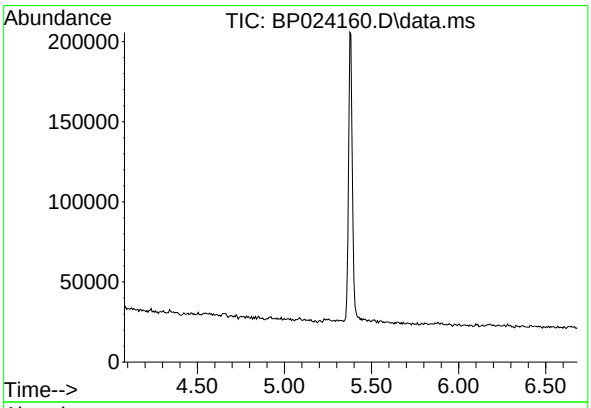

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

**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 |



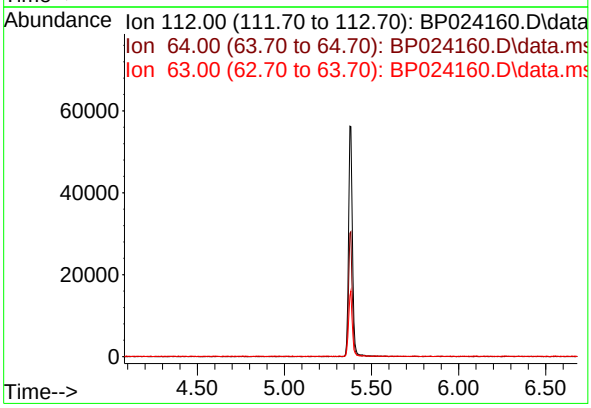



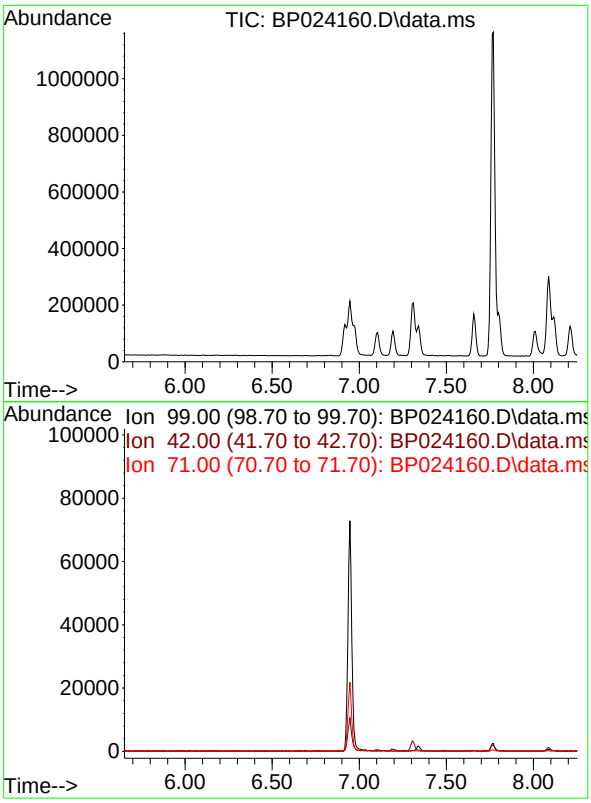

#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.38 min

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

Tgt Ion: 112

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





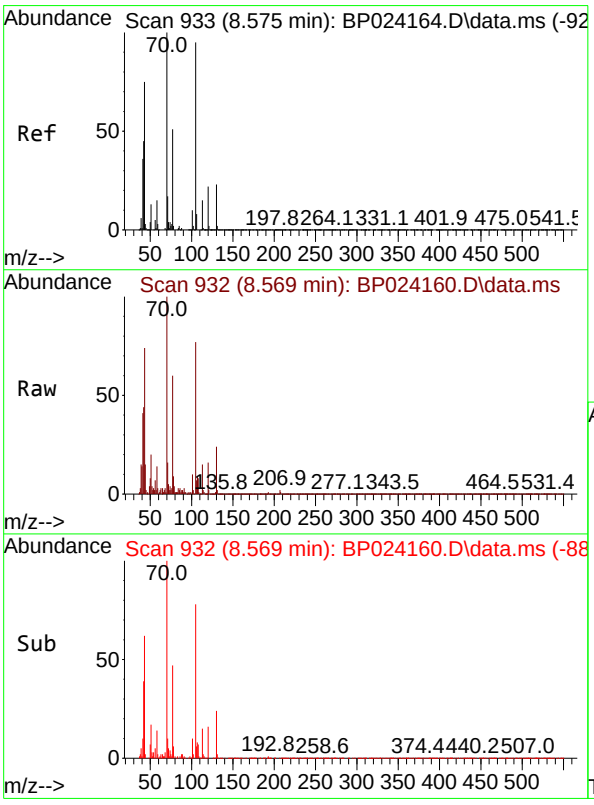

#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.95 min

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

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

Tgt Ion: 99

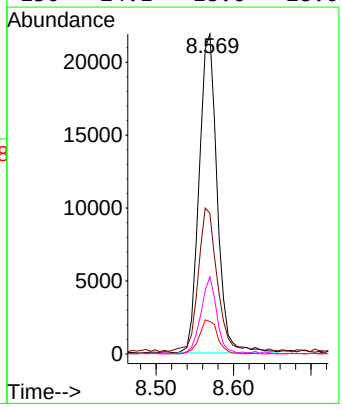
| Sig | Exp Ratio |
|---|---|
| 99 | 100 |
| 42 | 13.3 |
| 71 | 29.1 |

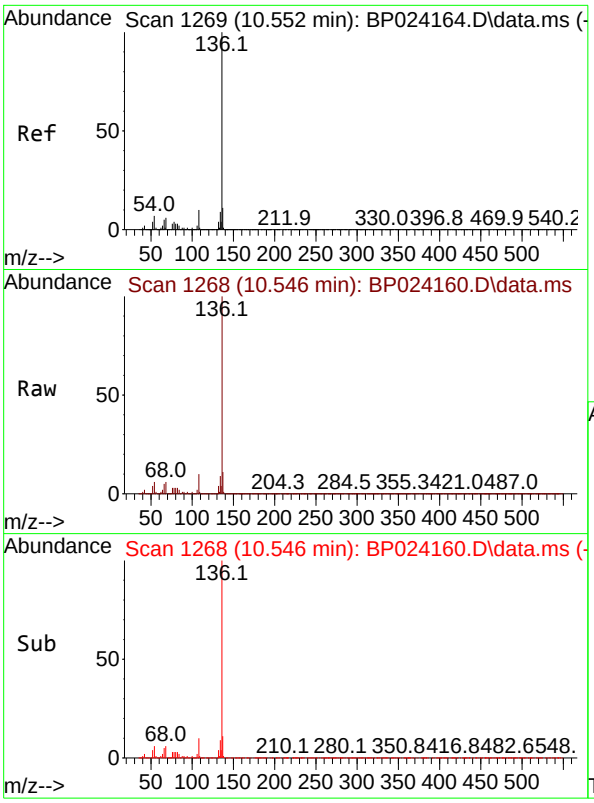



#19
n-Nitroso-di-n-propylamine
Concen: 2.454 ng
RT: 8.569 min Scan# 932
Delta R.T. -0.006 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

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 |



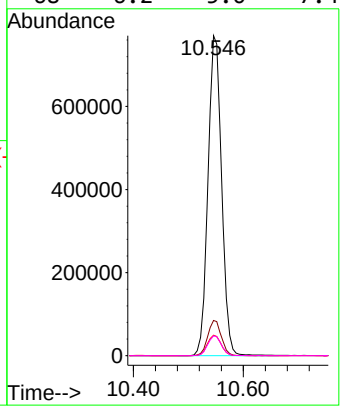


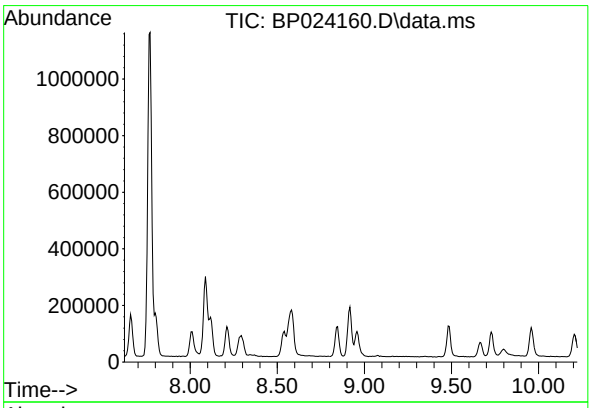

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.546 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

**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 |



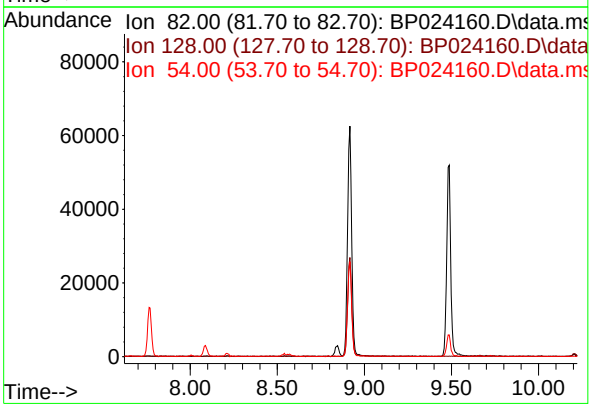



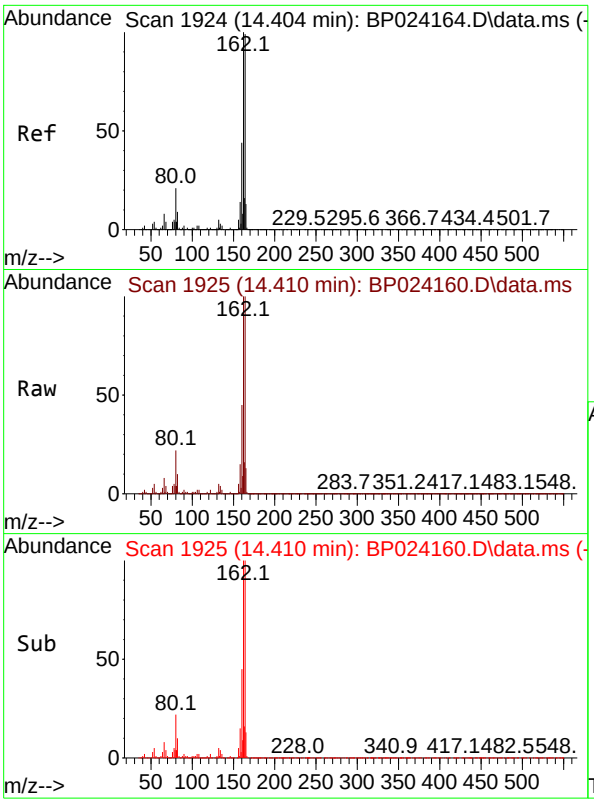

#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.92 min

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

Tgt Ion: 82

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



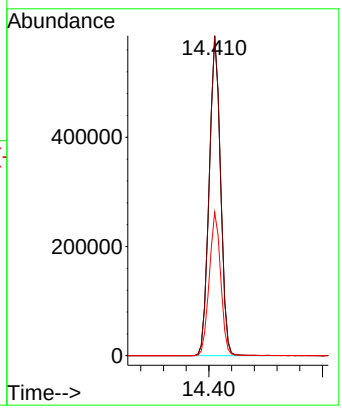


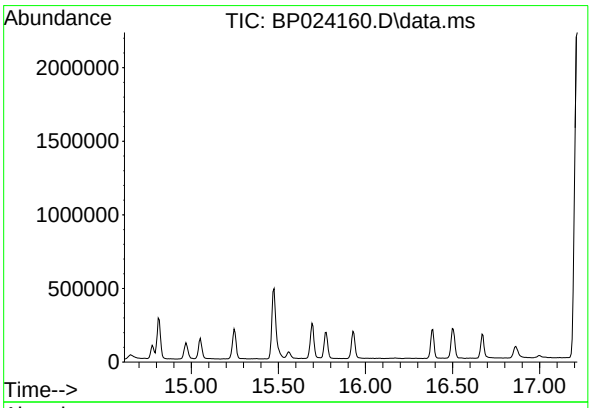

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

**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 |



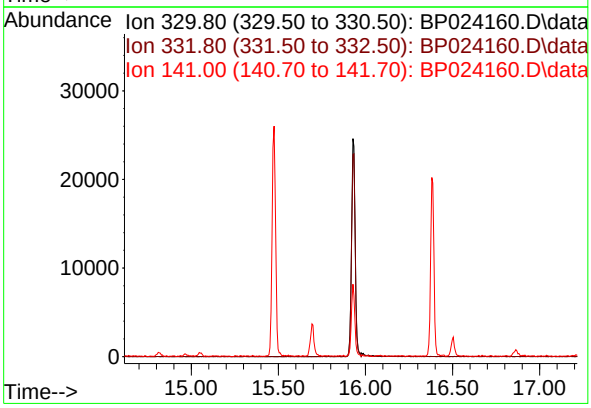



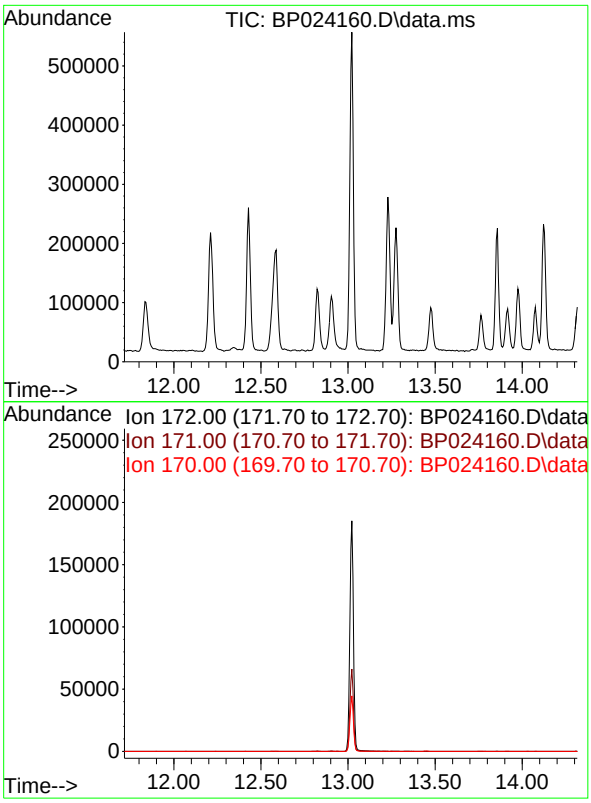

#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.92 min

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

Tgt Ion: 330

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





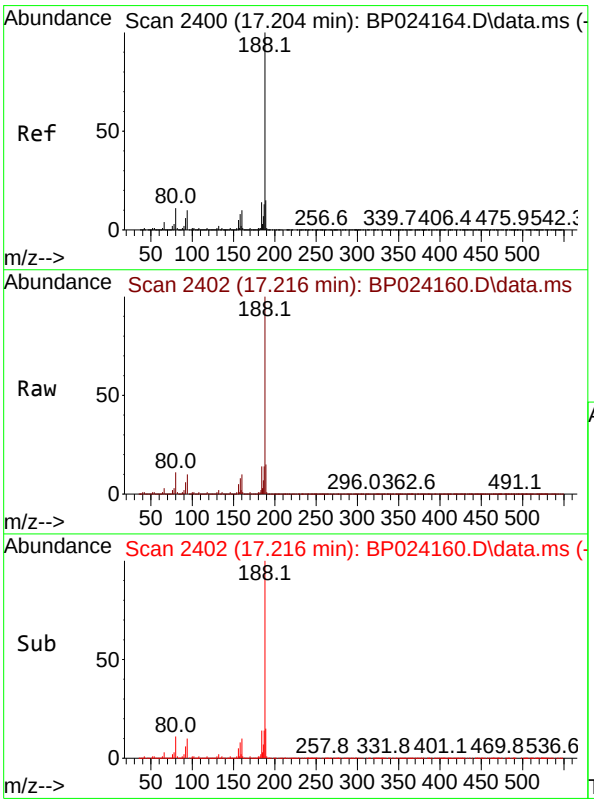

#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.02 min

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

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

Tgt Ion: 172

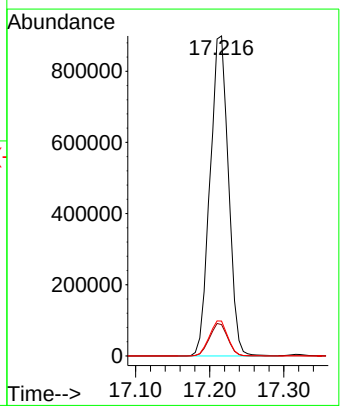
| Sig | Exp Ratio |
|---|---|
| 172 | 100 |
| 171 | 35.4 |
| 170 | 23.7 |

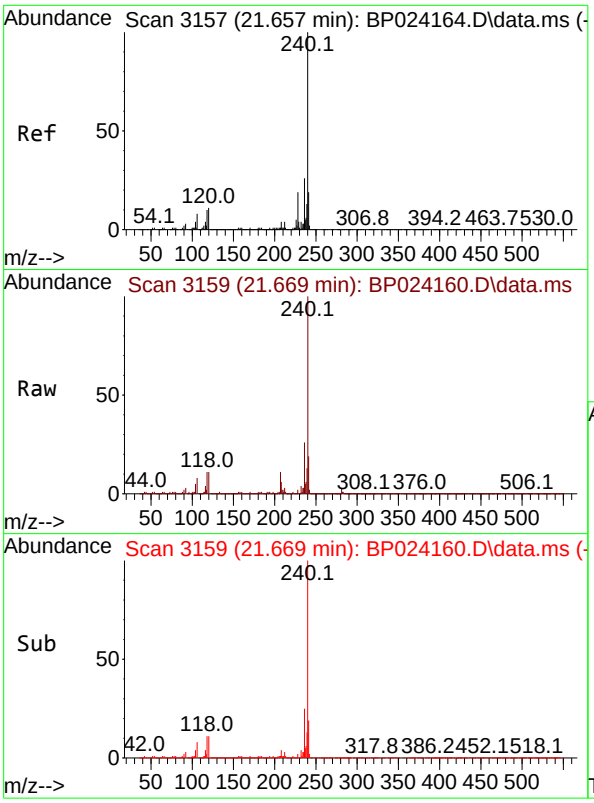



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2402
Delta R.T. 0.012 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

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 |



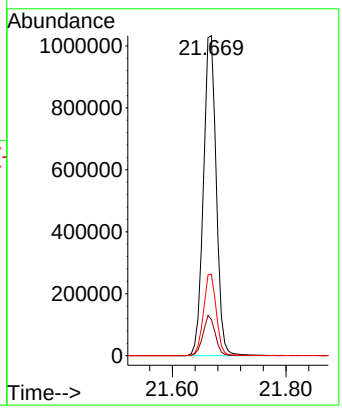


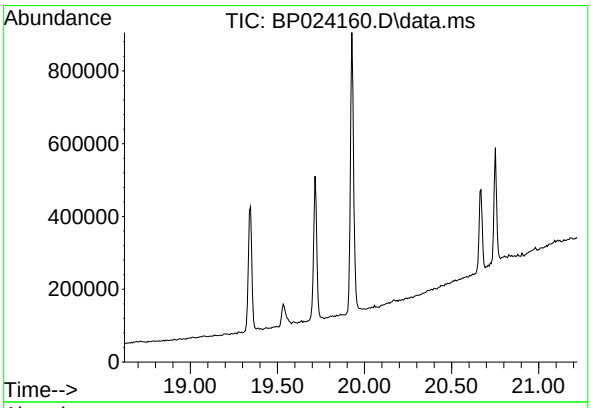

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.669 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

**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 |



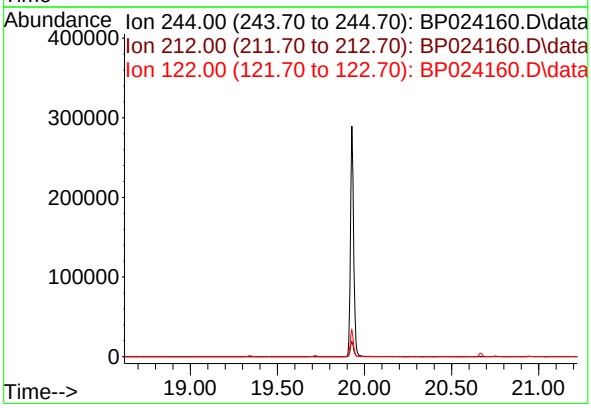



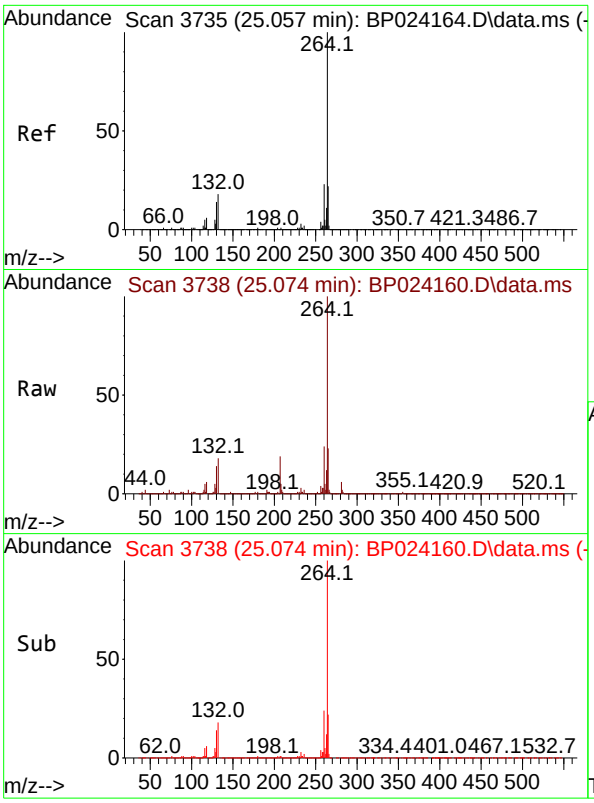

#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.92 min

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

Tgt Ion: 244

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



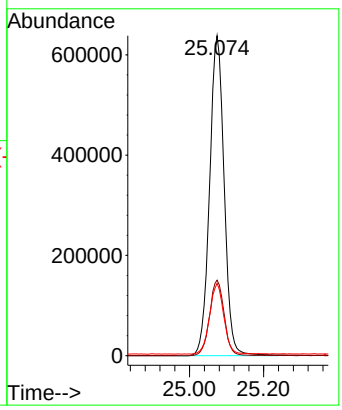



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.074 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

**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 |



Quantitation Report (QT Reviewed)

ICAL Form

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 |

ICAL Form

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 |

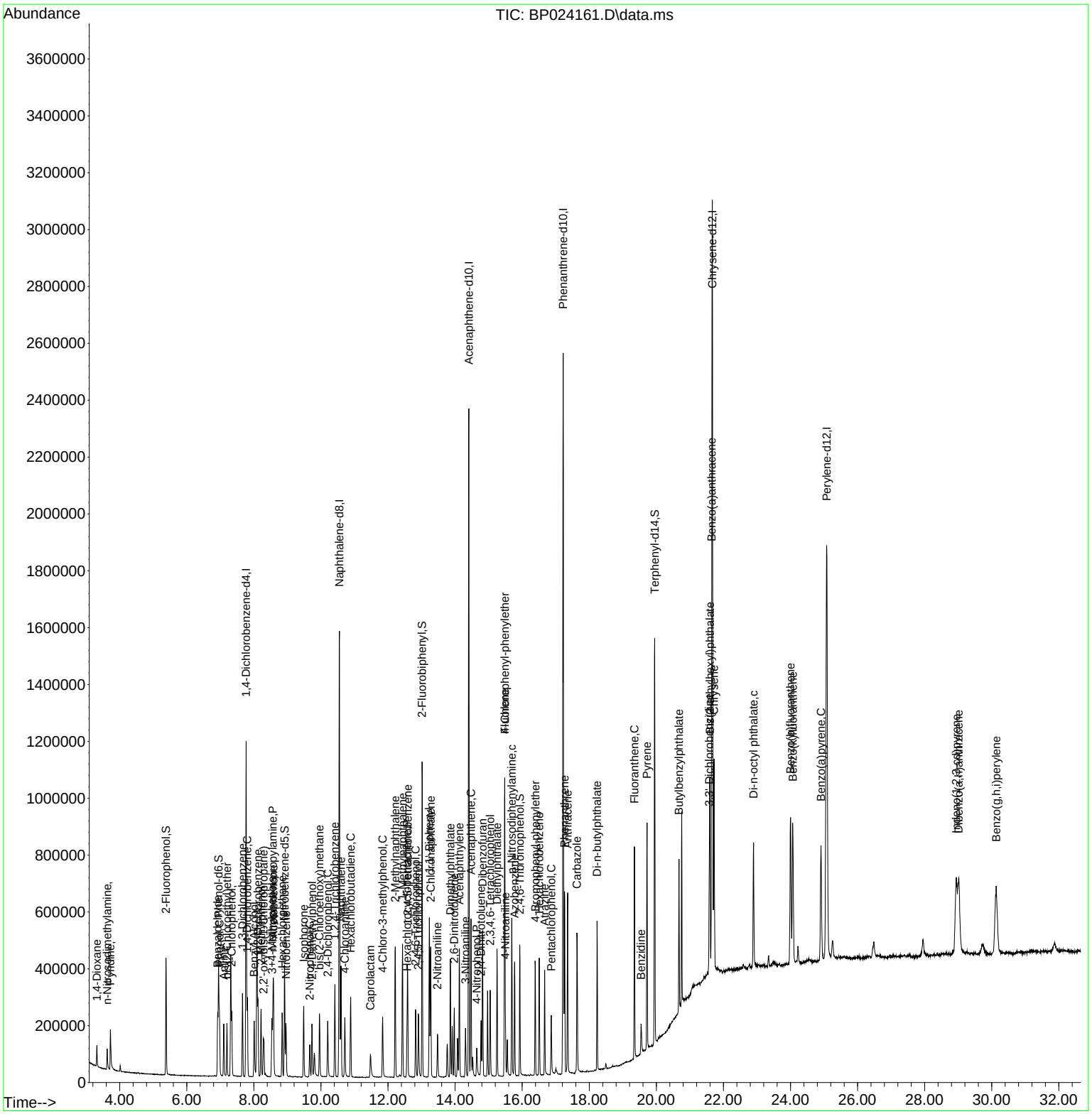
(#) = qualifier out of range (m) = manual integration (+) = signals summed

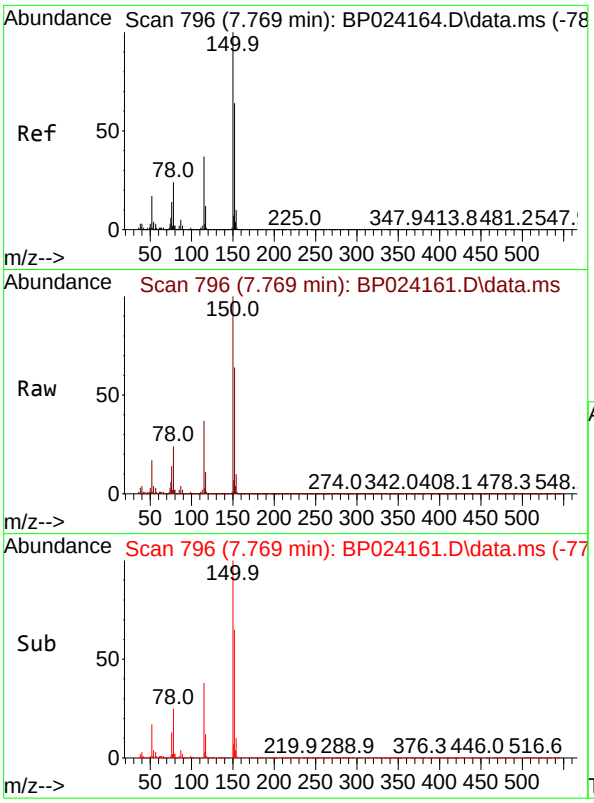
ICAL Form

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



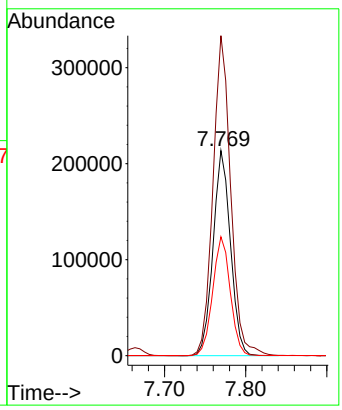


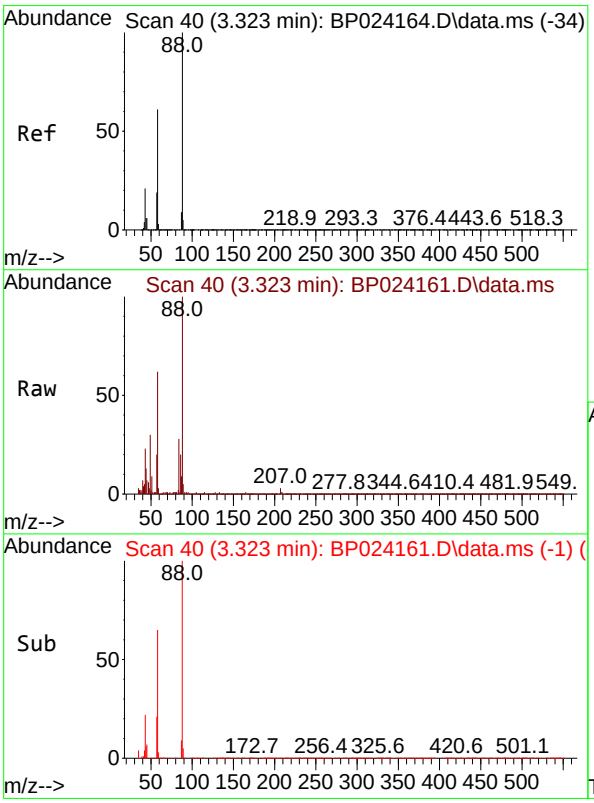

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

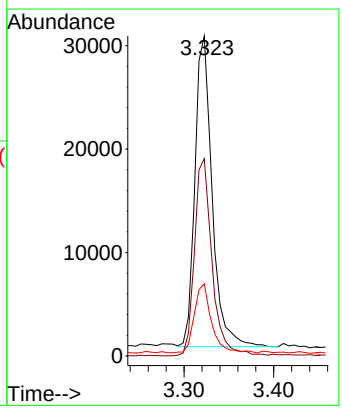


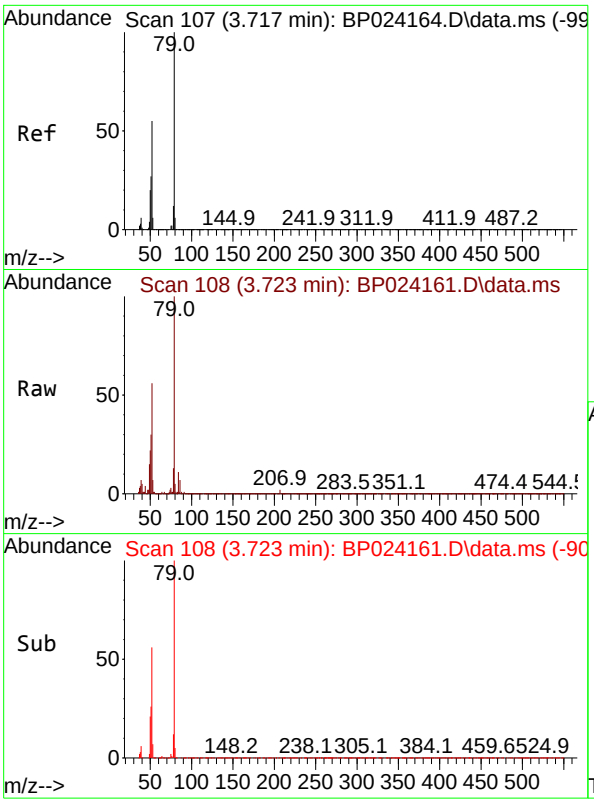




#2
1,4-Dioxane
Concen: 5.003 ng
RT: 3.323 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



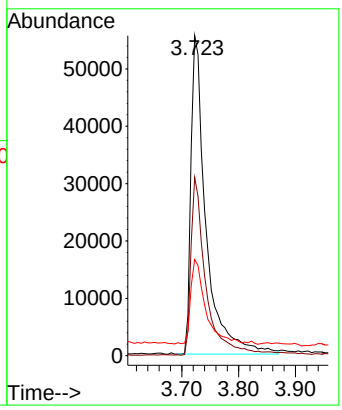


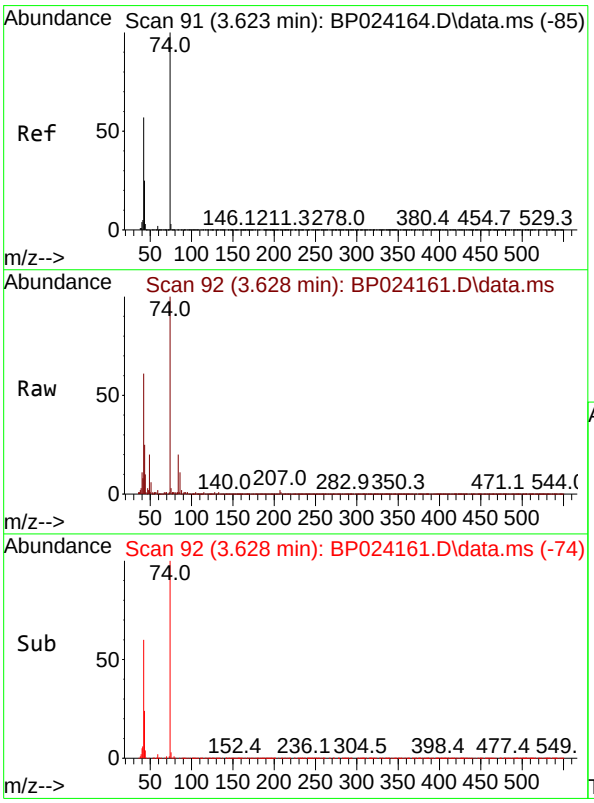

#3
Pyridine
Concen: 4.956 ng
RT: 3.723 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

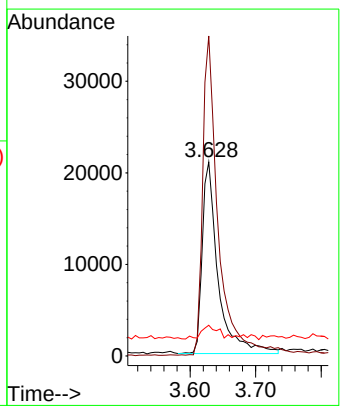


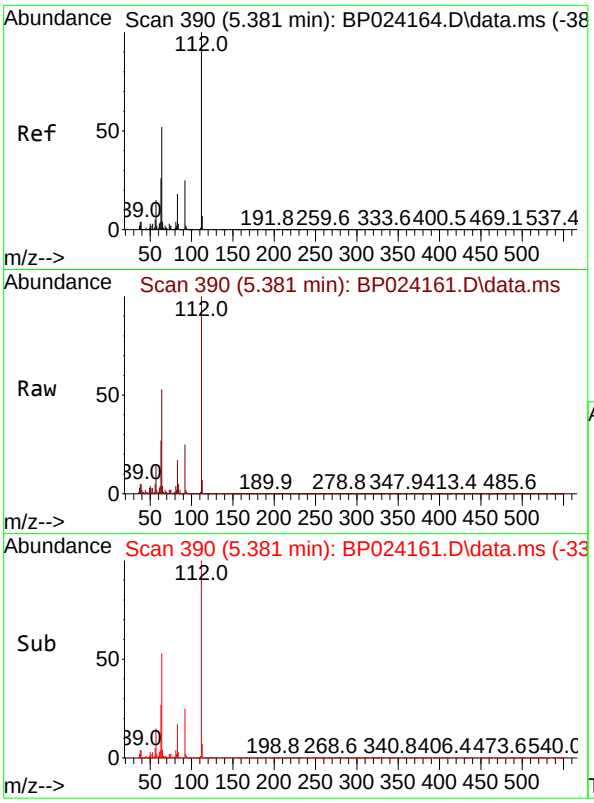




#4
n-Nitrosodimethylamine
Concen: 4.788 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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# |



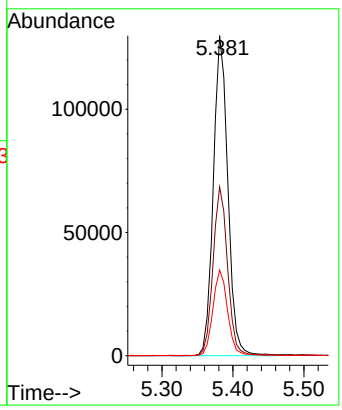


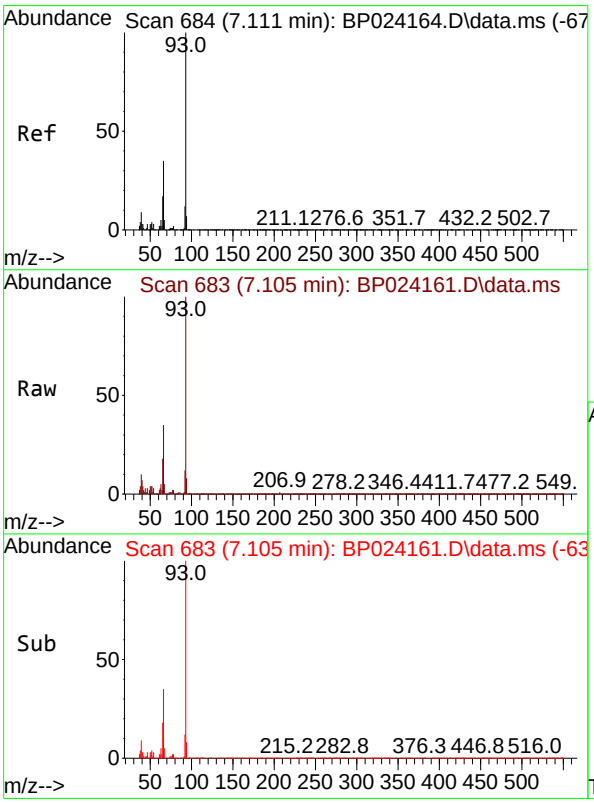

#5
2-Fluorophenol
Concen: 9.032 ng
RT: 5.381 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

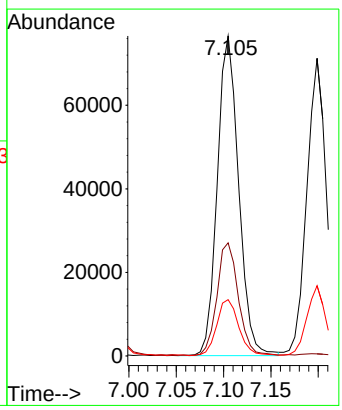


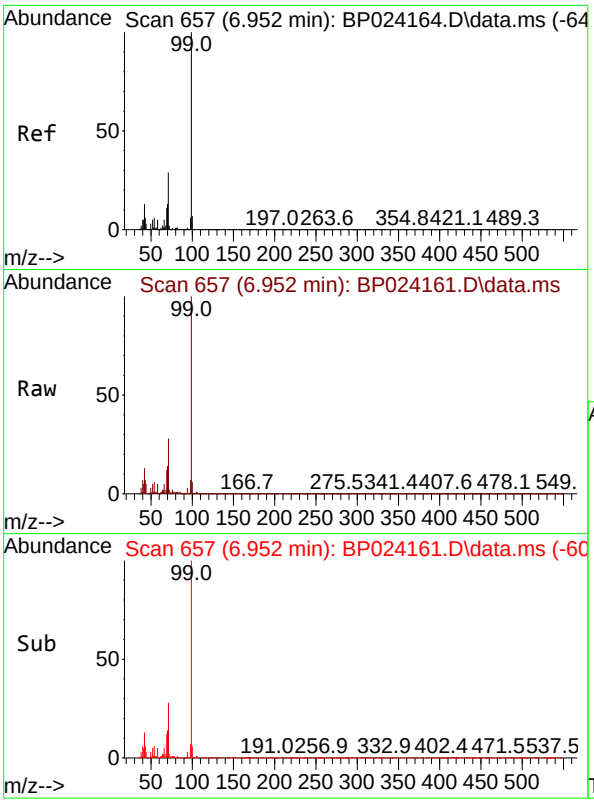




#6
Aniline
Concen: 4.998 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



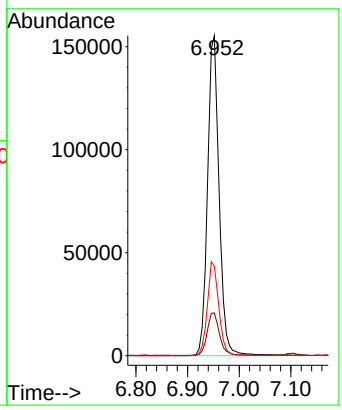


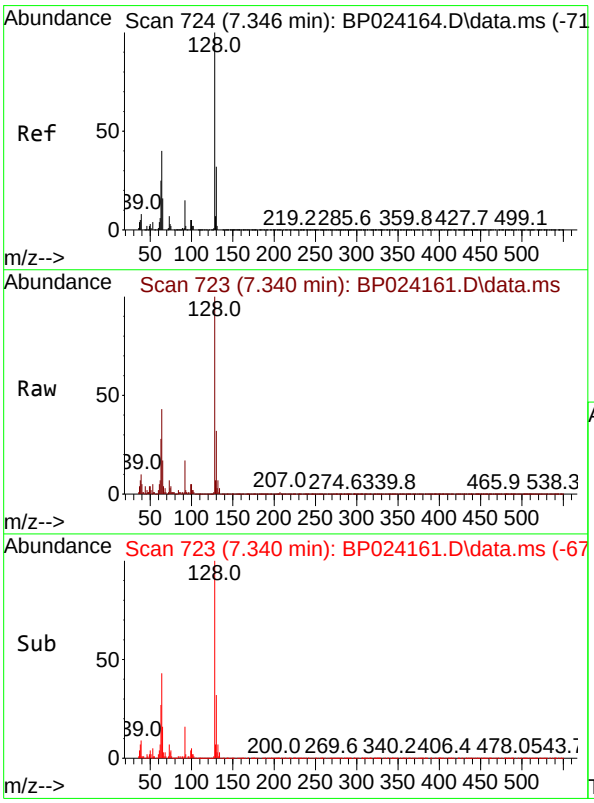

#7
Phenol-d6
Concen: 9.213 ng
RT: 6.952 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

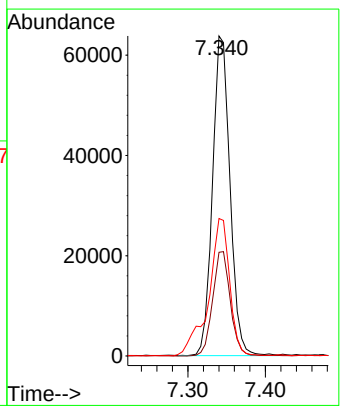


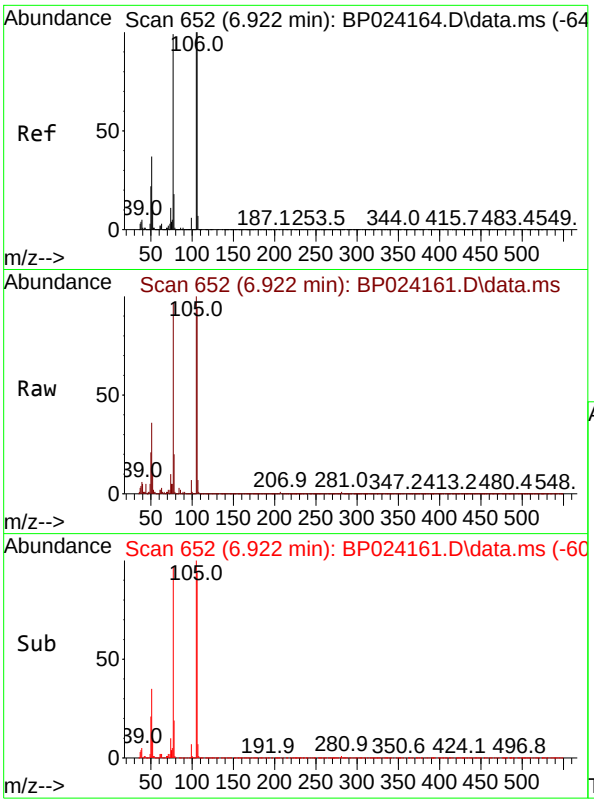




#8
2-Chlorophenol
Concen: 4.632 ng
RT: 7.340 min Scan# 723
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



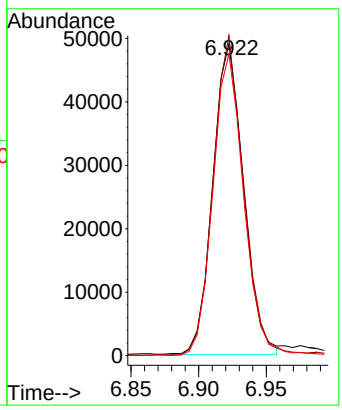


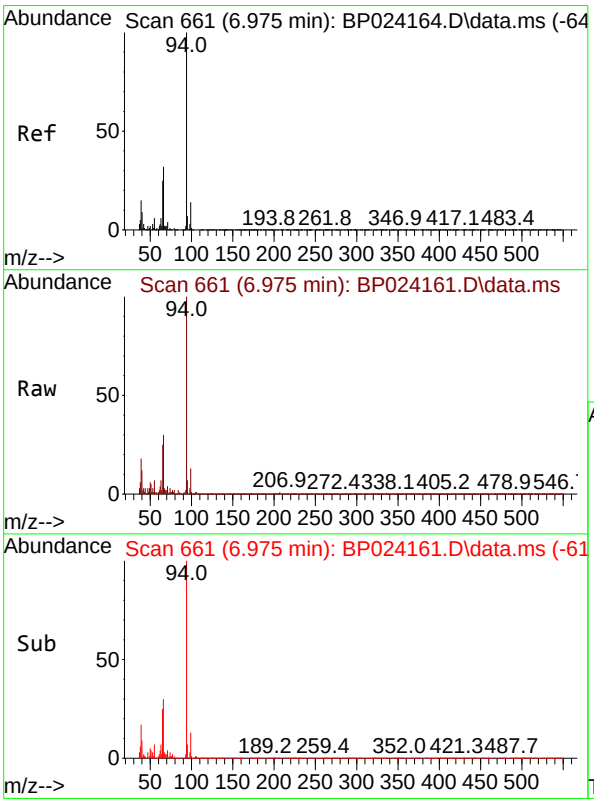

#9
Benzaldehyde
Concen: 6.456 ng m
RT: 6.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

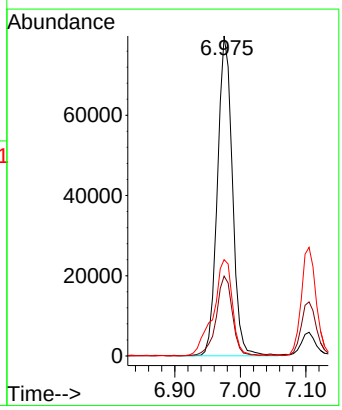


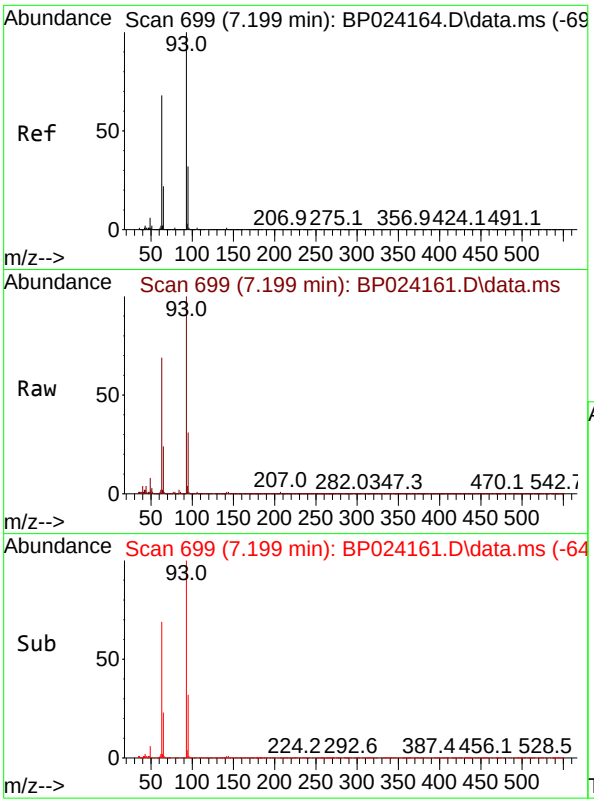




#10
Phenol
Concen: 4.767 ng
RT: 6.975 min Scan# 661
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



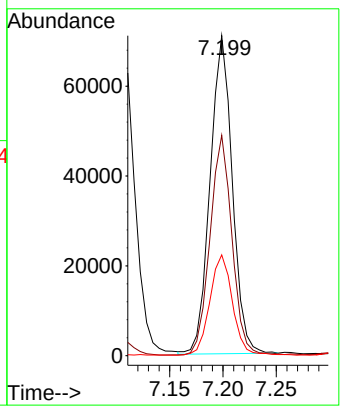


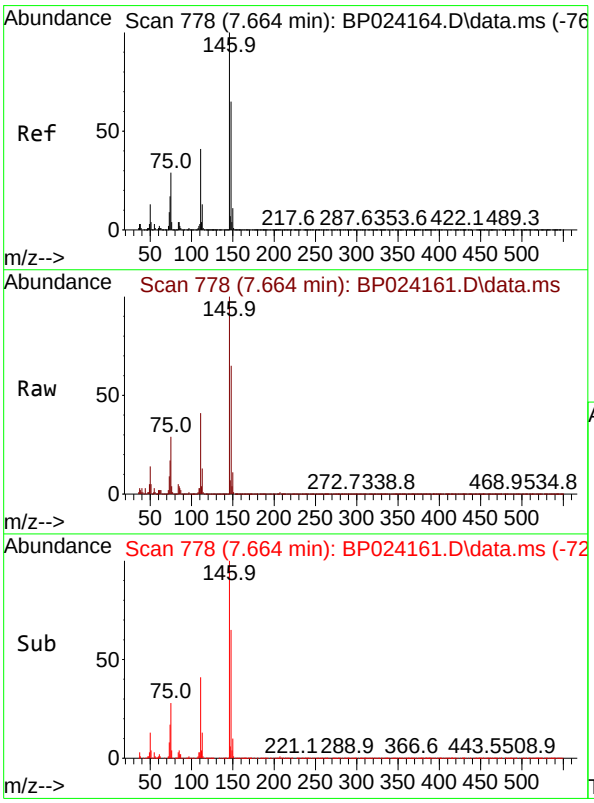

#11
bis(2-Chloroethyl)ether
Concen: 4.926 ng
RT: 7.199 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

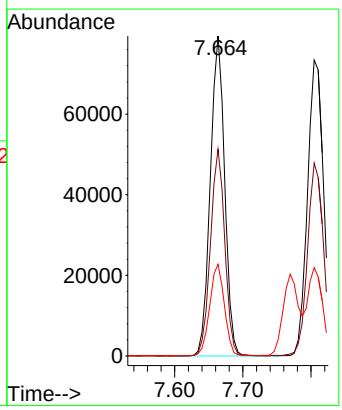


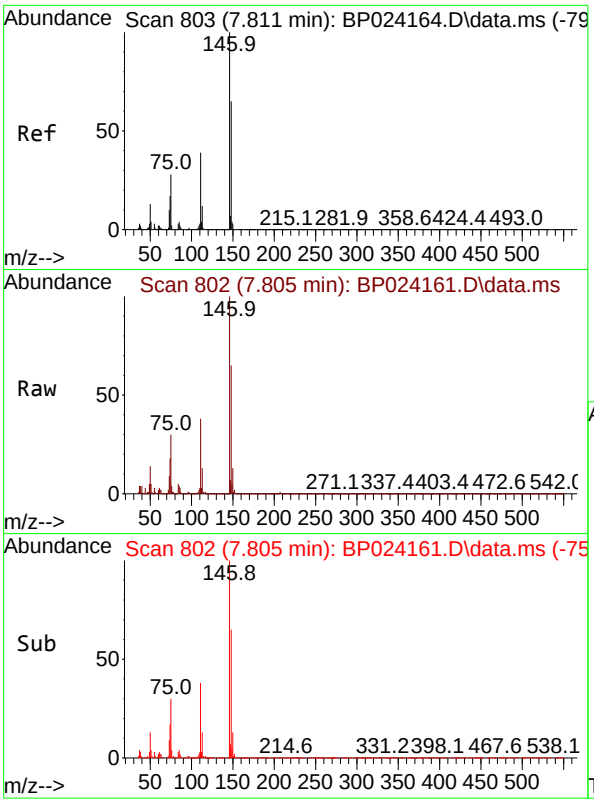




#12
1,3-Dichlorobenzene
Concen: 4.917 ng
RT: 7.664 min Scan# 778
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



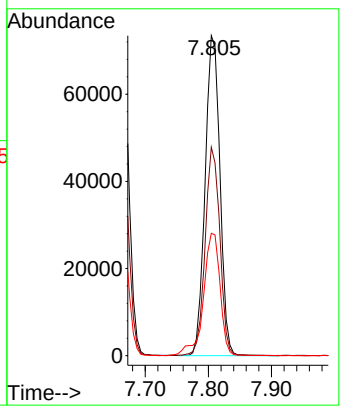


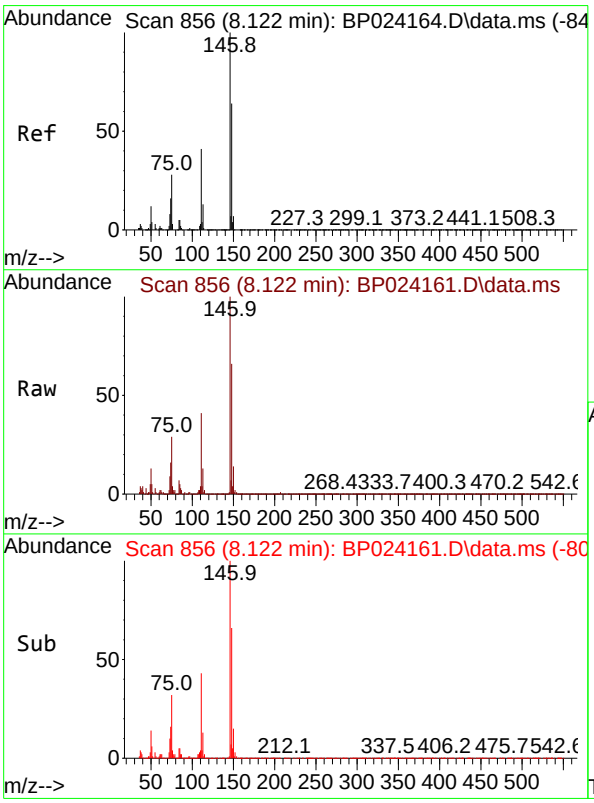

#13
1,4-Dichlorobenzene
Concen: 4.998 ng
RT: 7.805 min Scan# 8(
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

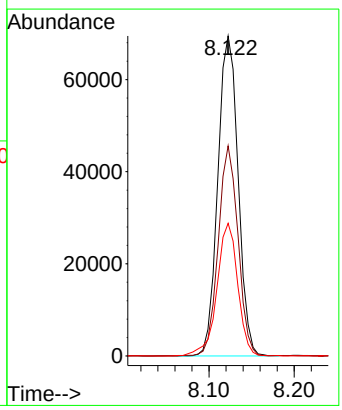


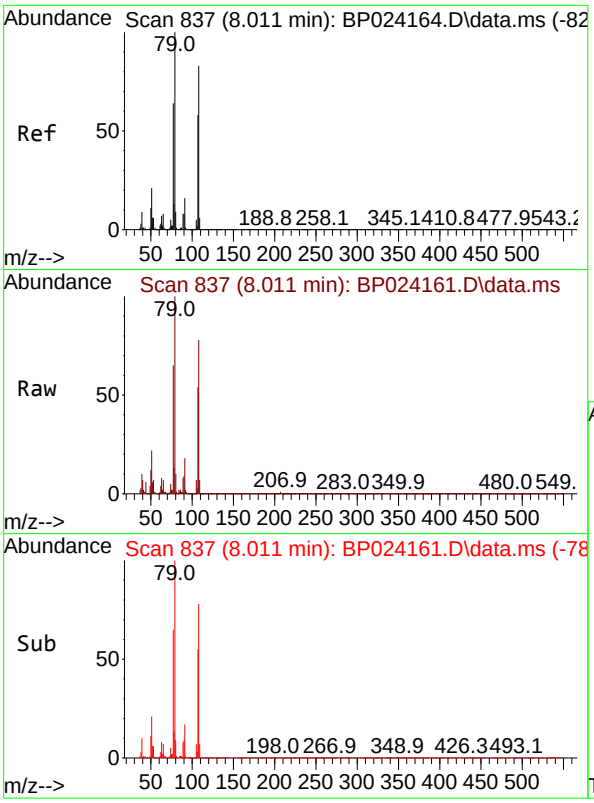




#14
1,2-Dichlorobenzene
Concen: 4.998 ng
RT: 8.122 min Scan# 856
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



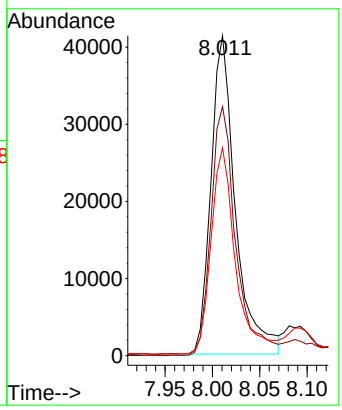


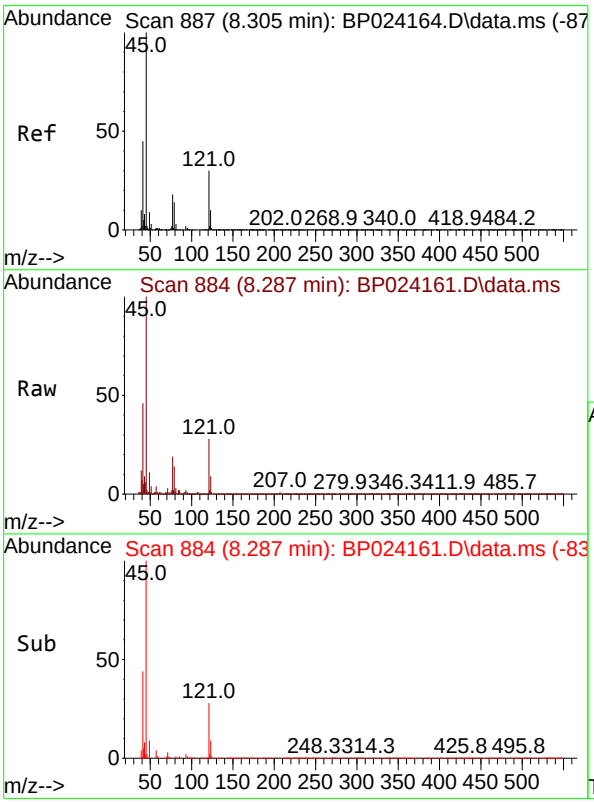

#15
Benzyl Alcohol
Concen: 4.630 ng
RT: 8.011 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

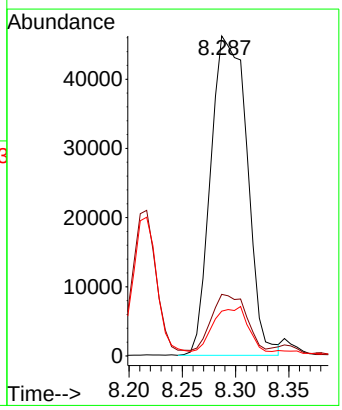


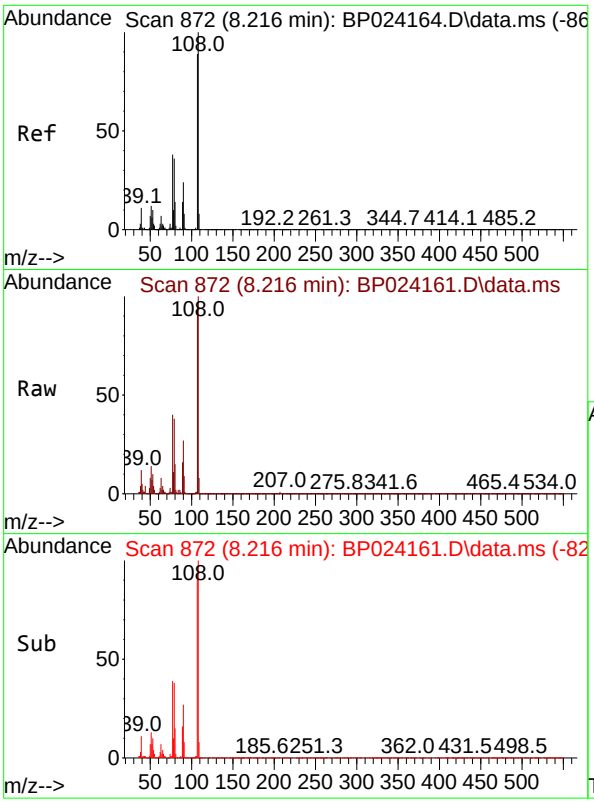




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.422 ng
RT: 8.287 min Scan# 884
Delta R.T. -0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



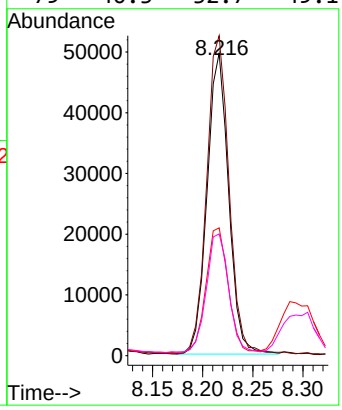


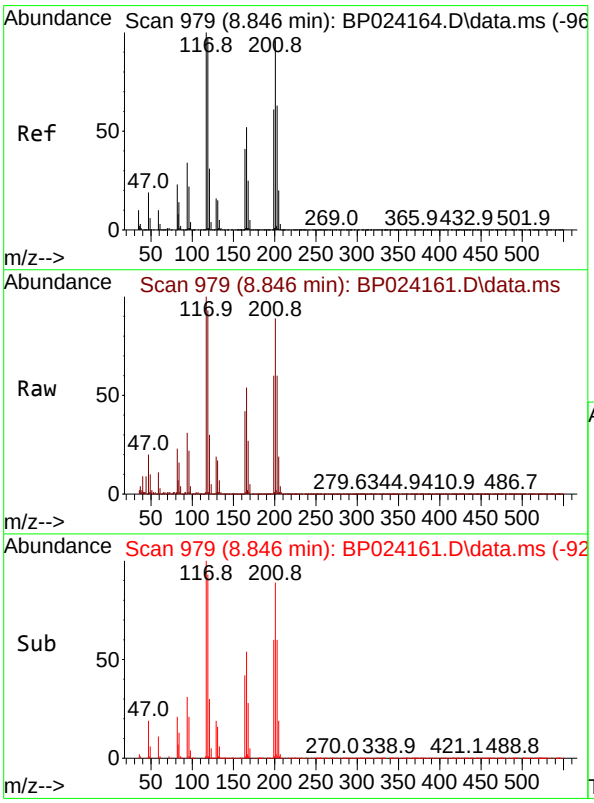

#17
2-Methylphenol
Concen: 4.616 ng
RT: 8.216 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

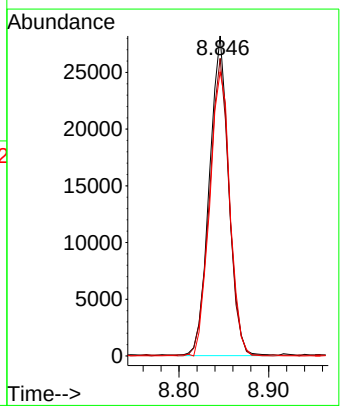


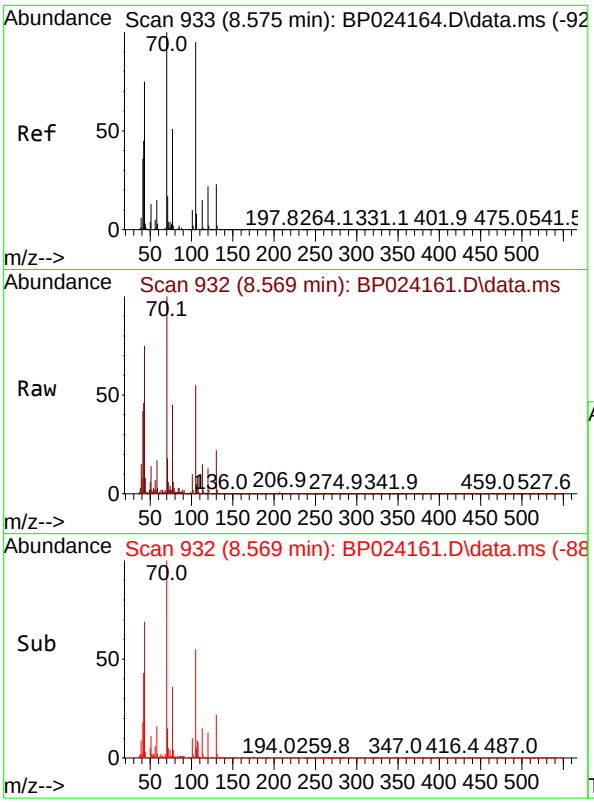




#18
Hexachloroethane
Concen: 4.909 ng
RT: 8.846 min Scan# 979
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



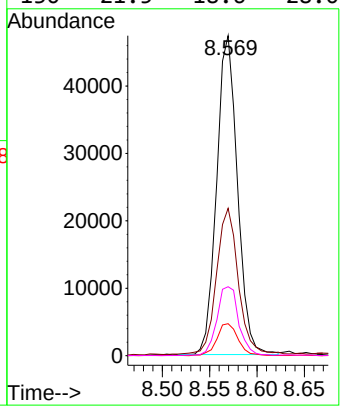


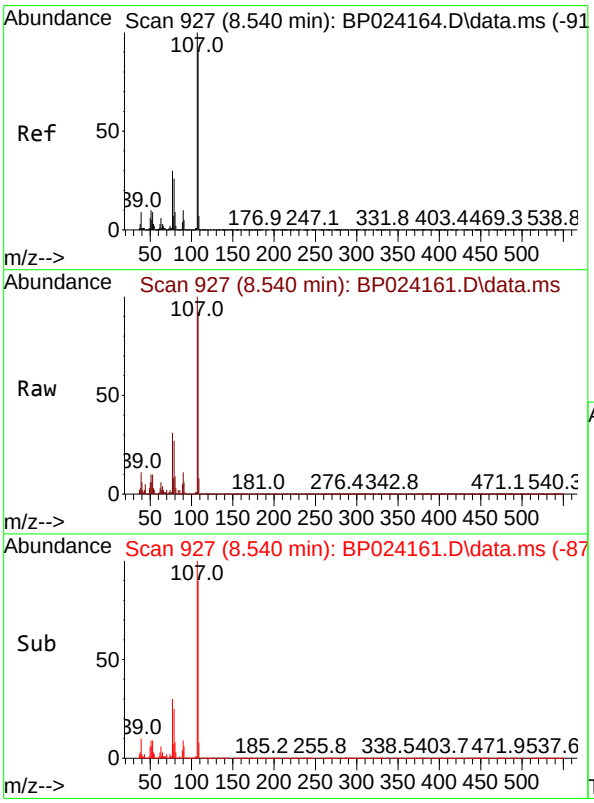

#19
n-Nitroso-di-n-propylamine
Concen: 5.139 ng
RT: 8.569 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

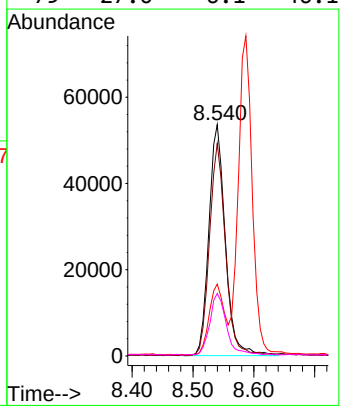


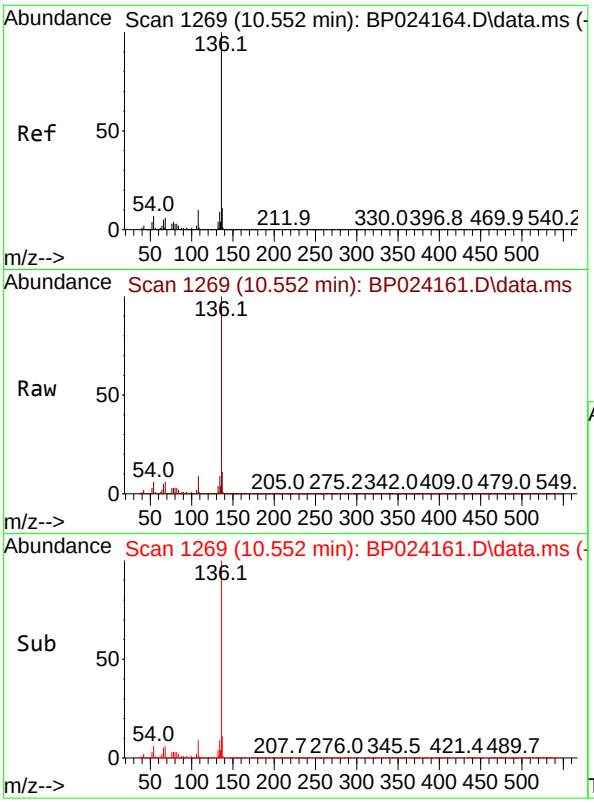




#20
3+4-Methylphenols
Concen: 4.606 ng
RT: 8.540 min Scan# 927
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



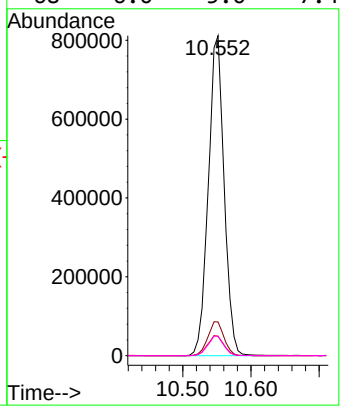


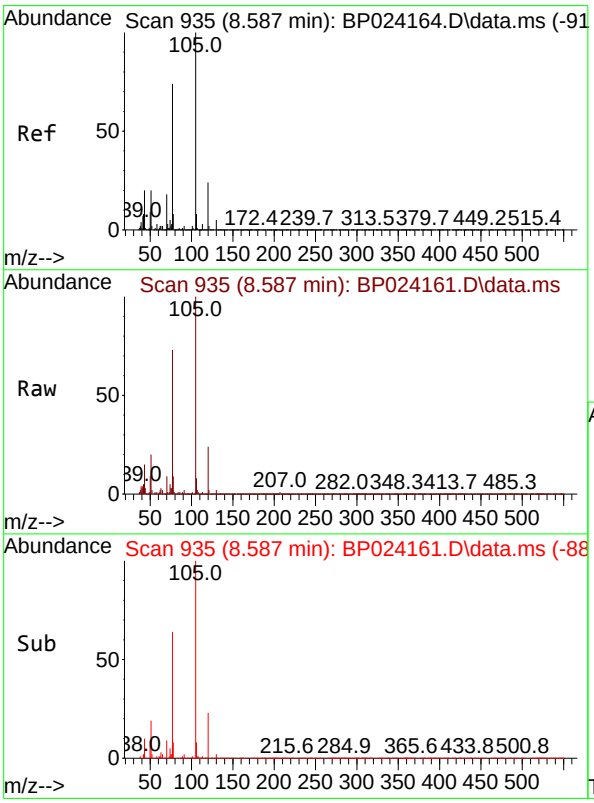

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.552 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

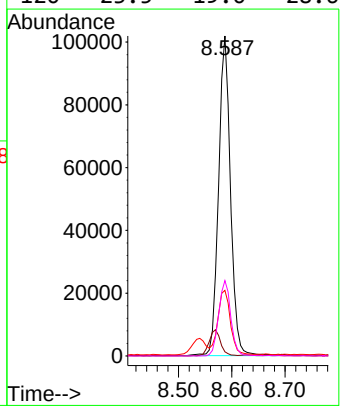


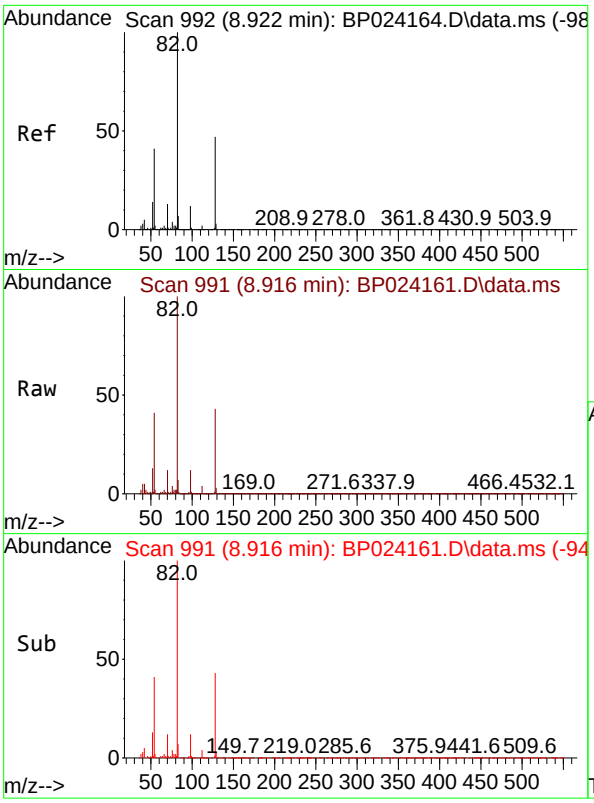




#22
Acetophenone
Concen: 4.699 ng
RT: 8.587 min Scan# 935
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



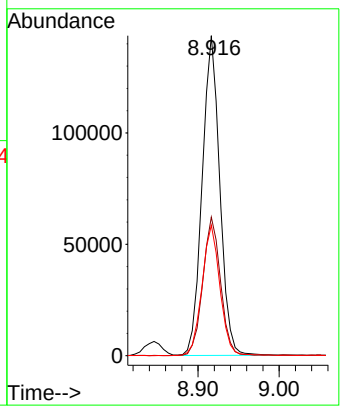


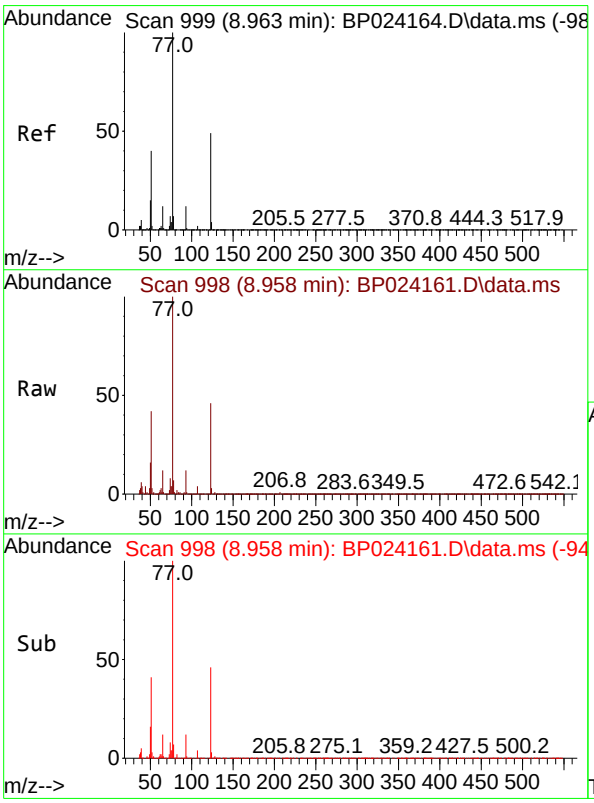

#23
Nitrobenzene-d5
Concen: 9.202 ng
RT: 8.916 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

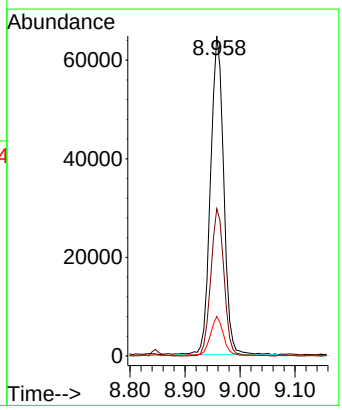


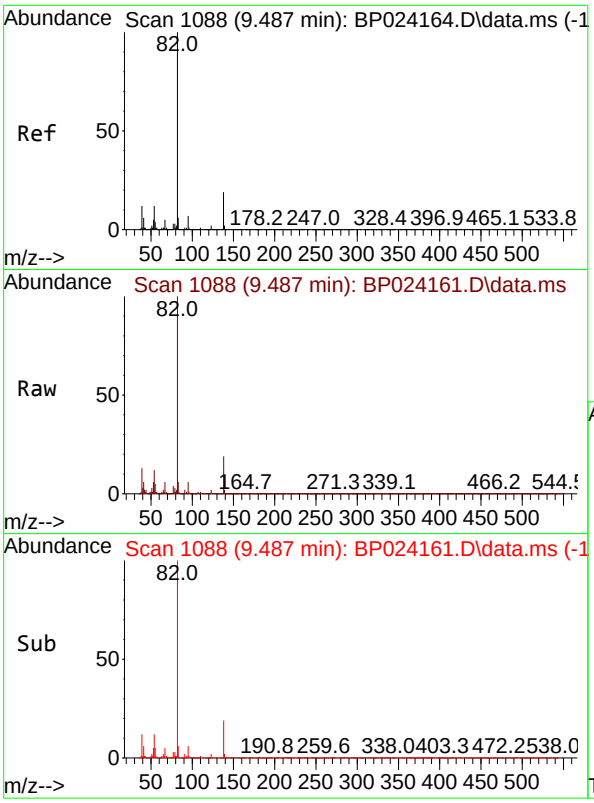




#24
Nitrobenzene
Concen: 4.677 ng
RT: 8.958 min Scan# 998
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



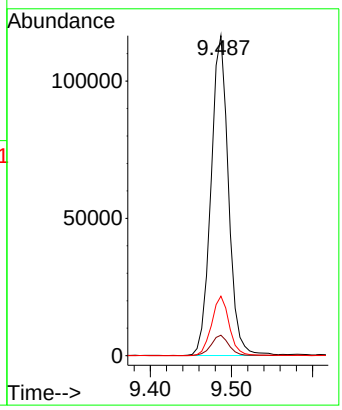


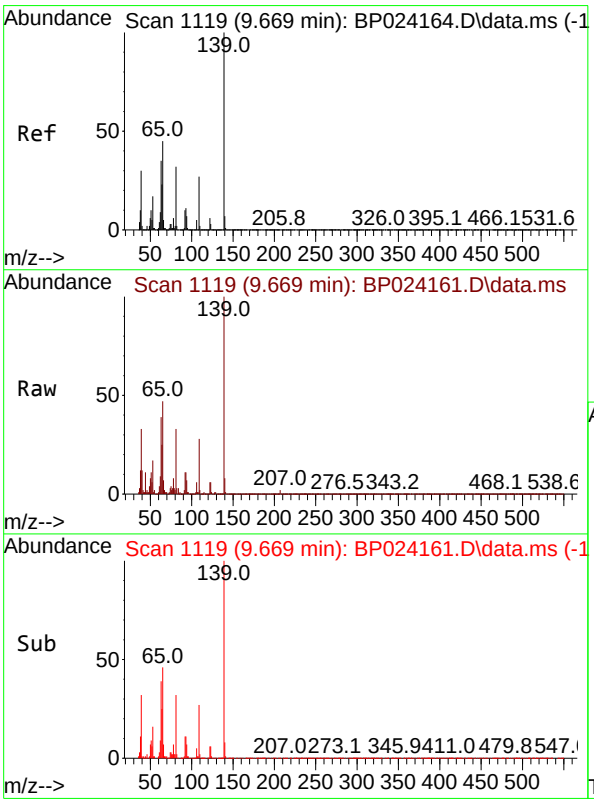

#25
Isophorone
Concen: 4.540 ng
RT: 9.487 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

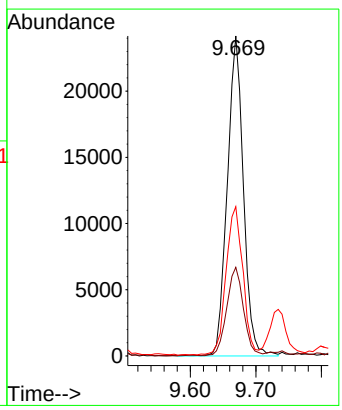


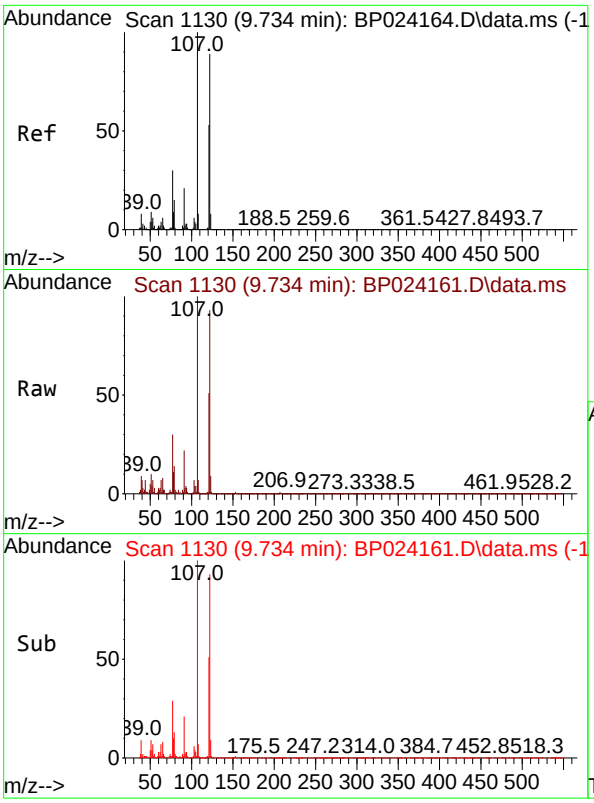




#26
2-Nitrophenol
Concen: 3.880 ng
RT: 9.669 min Scan# 1119
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



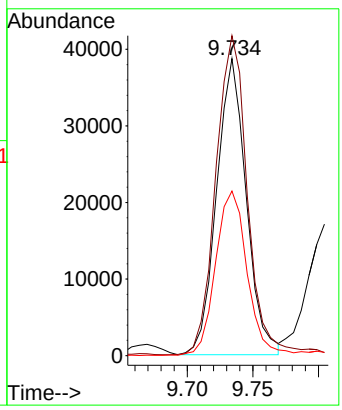


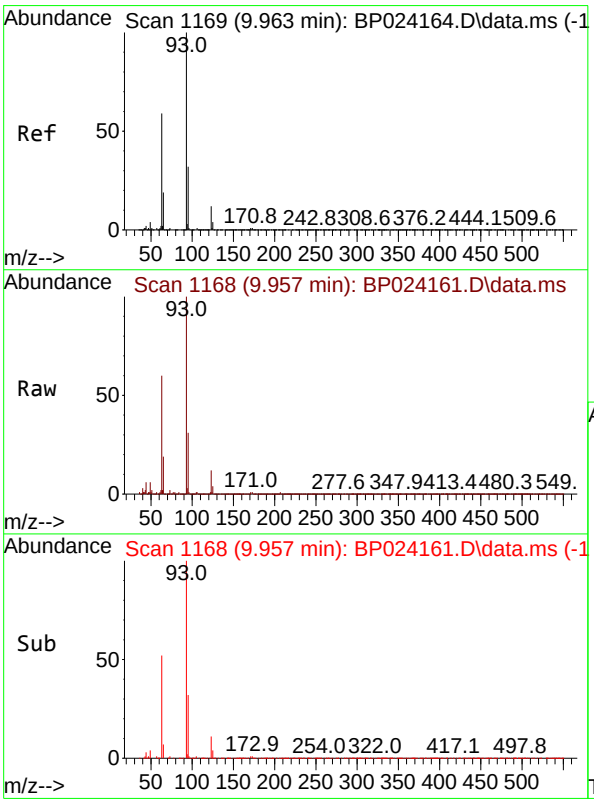

#27
2,4-Dimethylphenol
Concen: 4.354 ng
RT: 9.734 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

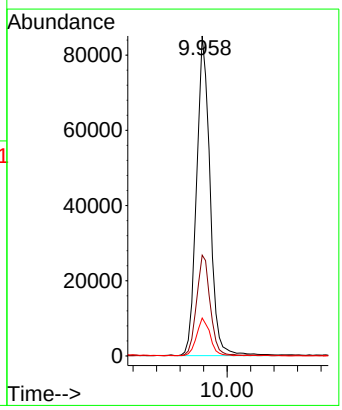


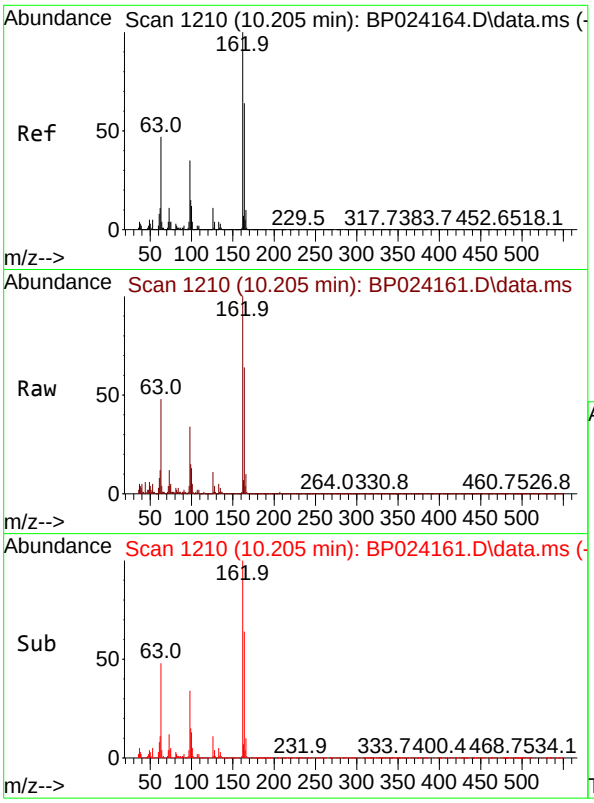




#28
bis(2-Chloroethoxy)methane
Concen: 4.872 ng
RT: 9.957 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



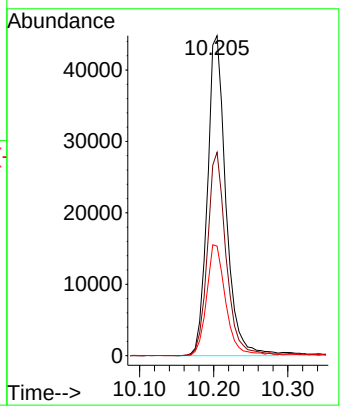


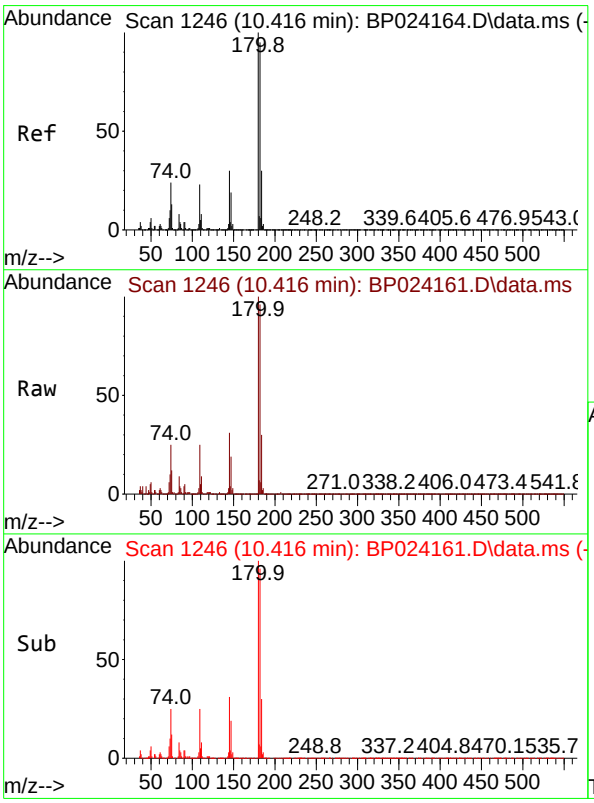

#29
2,4-Dichlorophenol
Concen: 4.072 ng
RT: 10.205 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

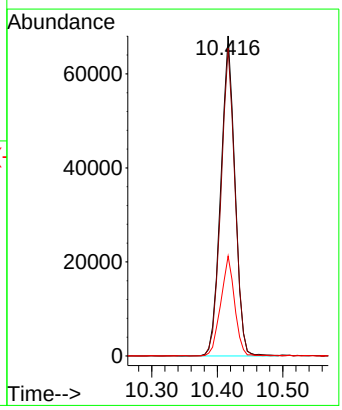


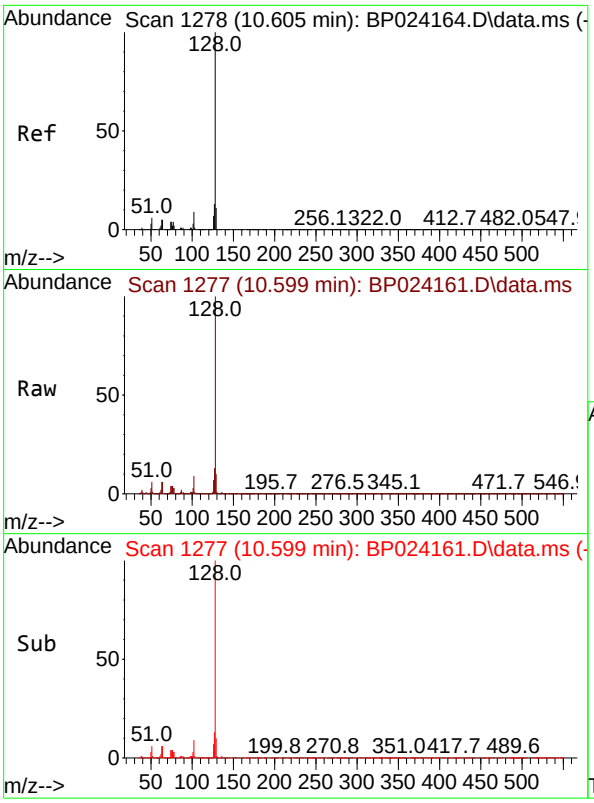




#30
1,2,4-Trichlorobenzene
Concen: 4.646 ng
RT: 10.416 min Scan# 1246
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



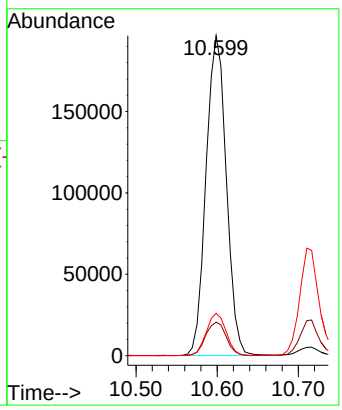


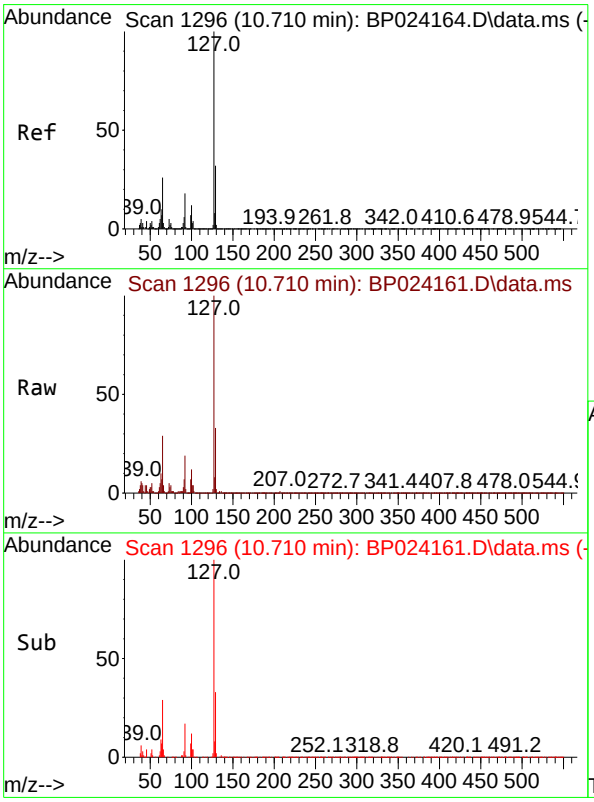

#31
Naphthalene
Concen: 4.840 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

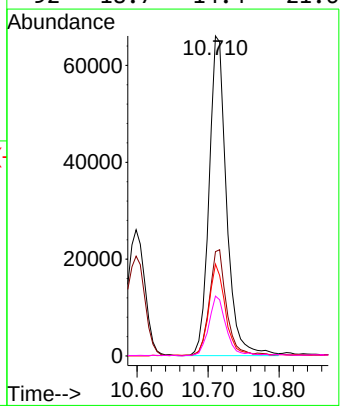


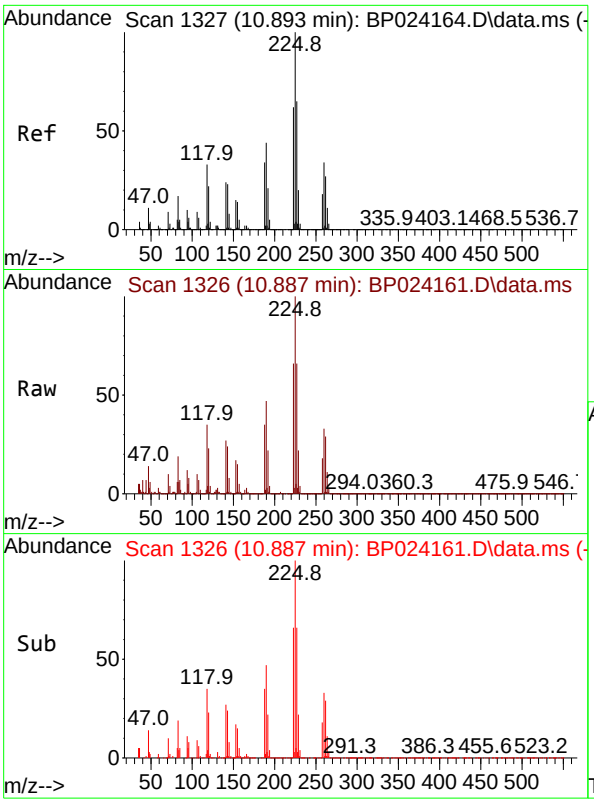




#33
4-Chloroaniline
Concen: 4.545 ng
RT: 10.710 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



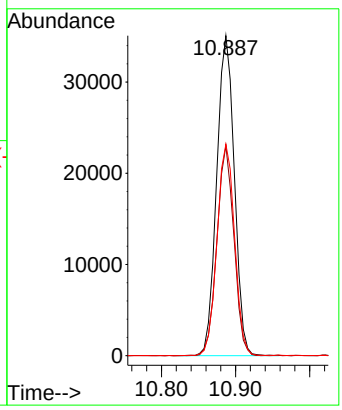


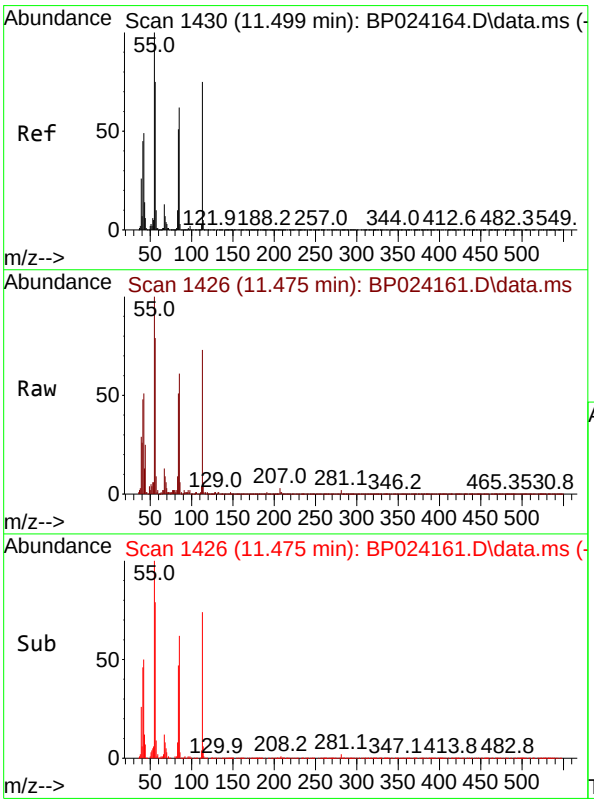

#34
Hexachlorobutadiene
Concen: 4.589 ng
RT: 10.887 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

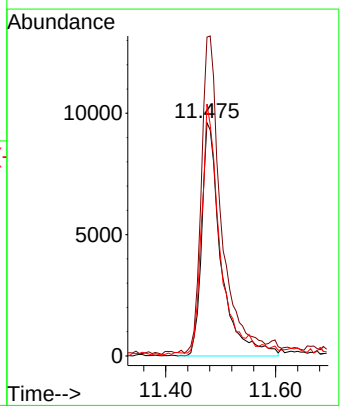


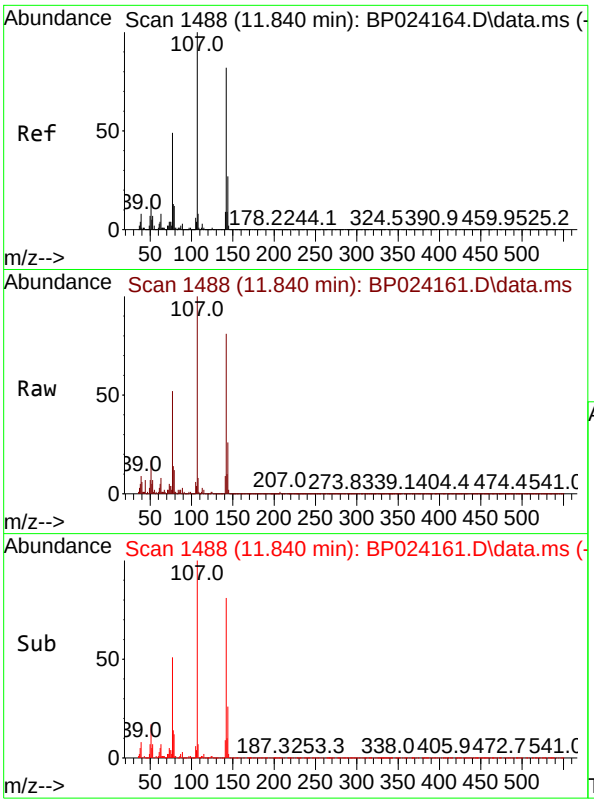




#35
Caprolactam
Concen: 4.057 ng
RT: 11.475 min Scan# 1426
Delta R.T. -0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



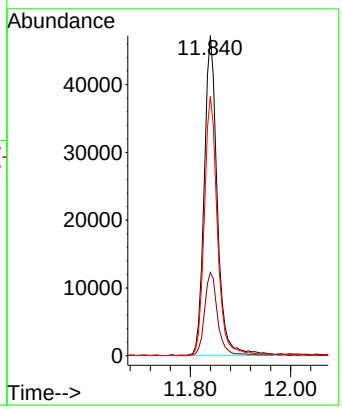


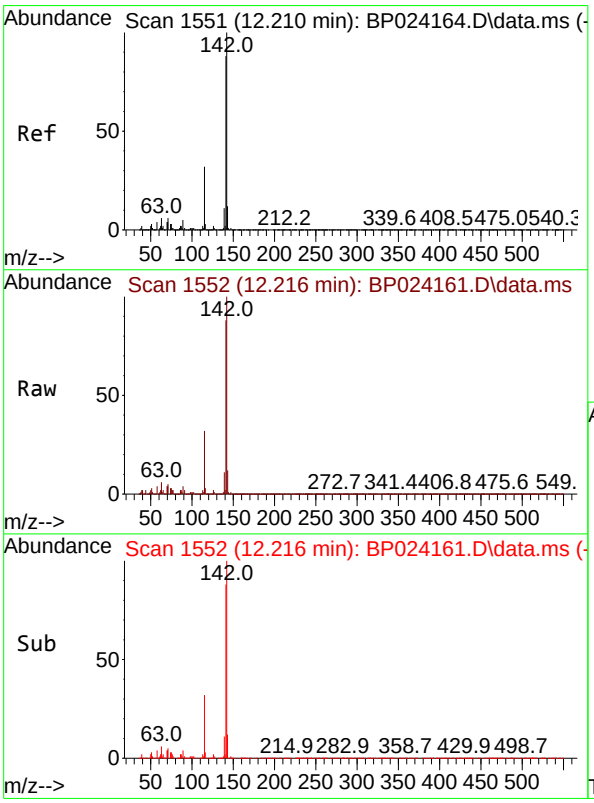

#36
4-Chloro-3-methylphenol
Concen: 4.352 ng
RT: 11.840 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

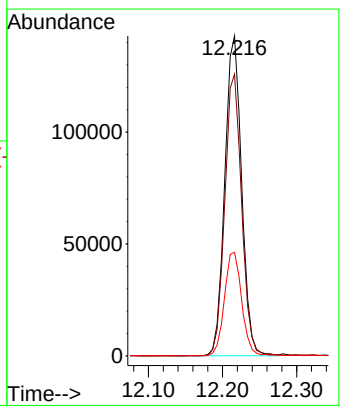


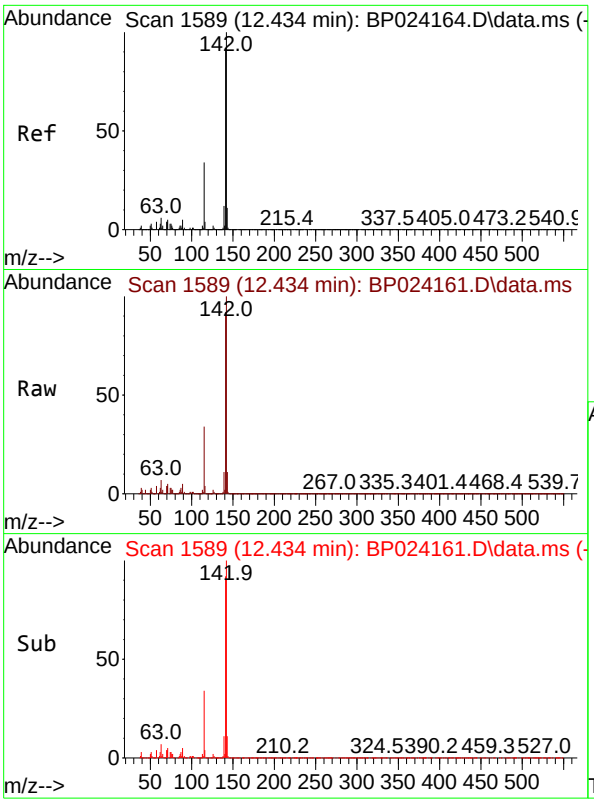




#37
2-Methylnaphthalene
Concen: 4.817 ng
RT: 12.216 min Scan# 1552
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



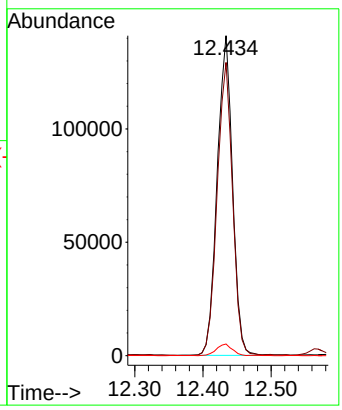


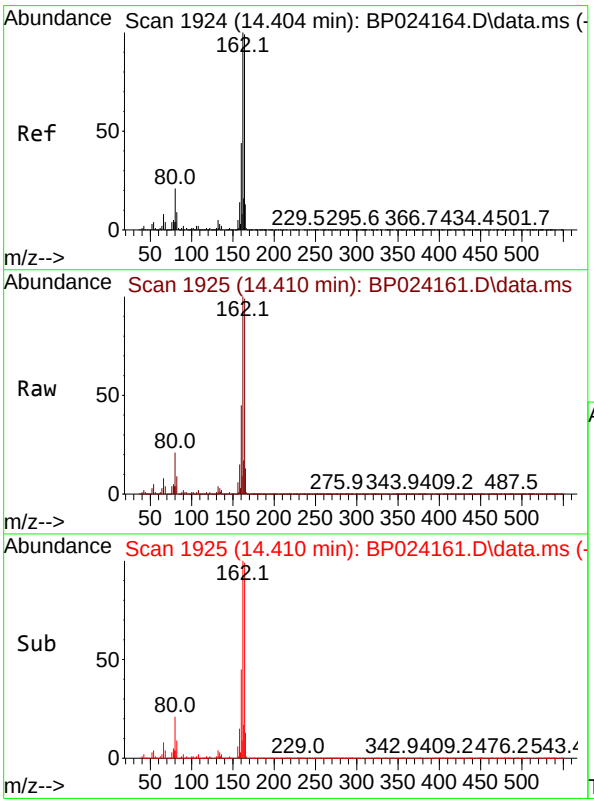

#38
1-Methylnaphthalene
Concen: 4.848 ng
RT: 12.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

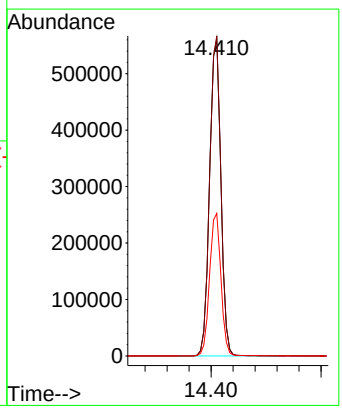


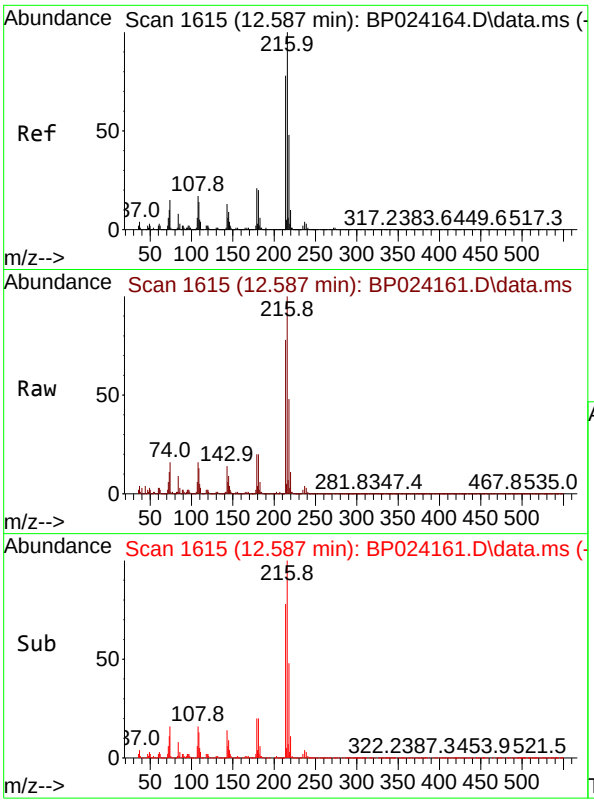




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1925
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



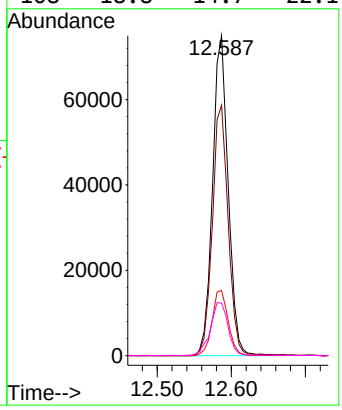


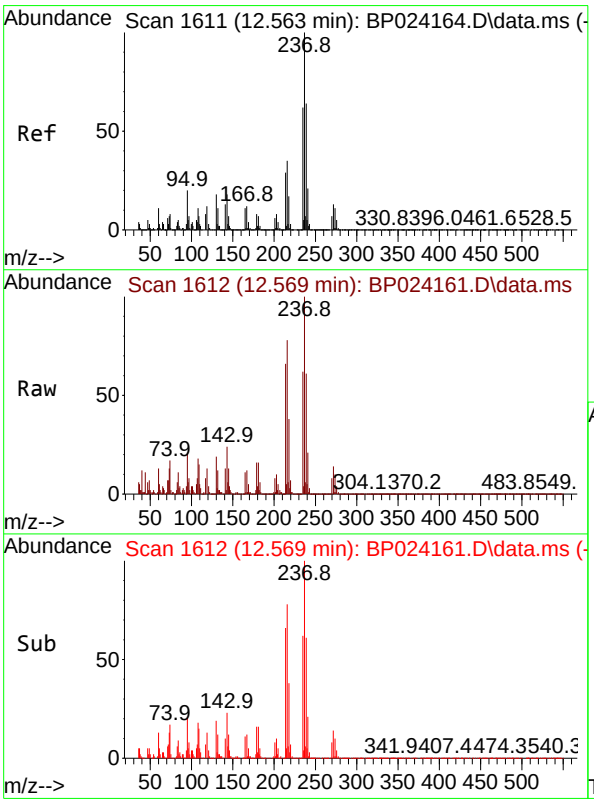

#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.459 ng
RT: 12.587 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

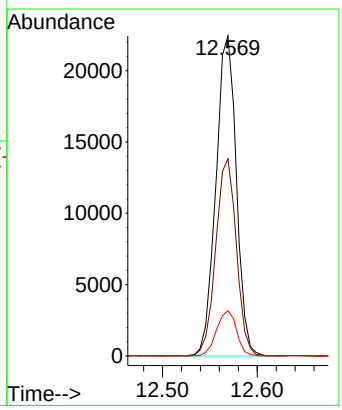


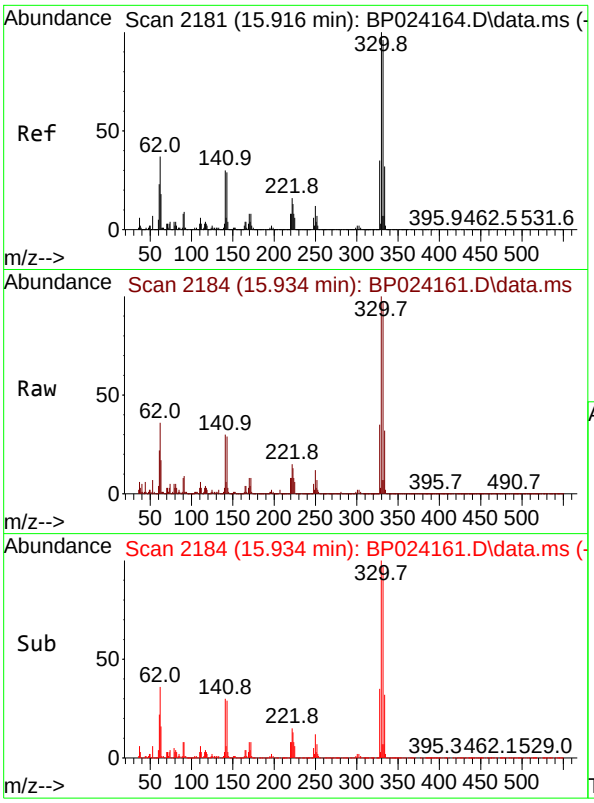




#41
Hexachlorocyclopentadiene
Concen: 3.693 ng
RT: 12.569 min Scan# 1612
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



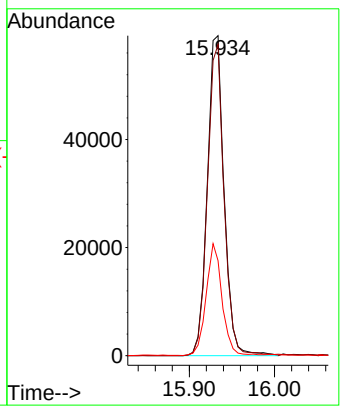


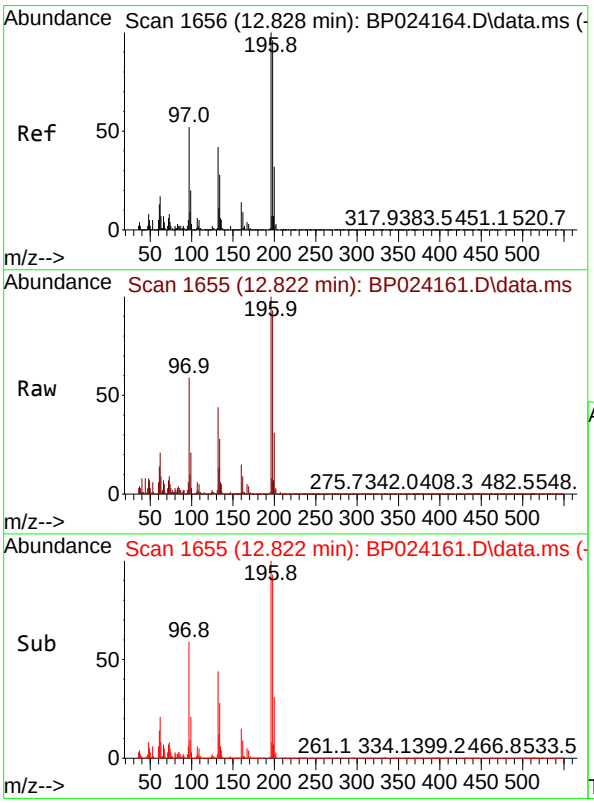

#42
2,4,6-Tribromophenol
Concen: 8.288 ng
RT: 15.934 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

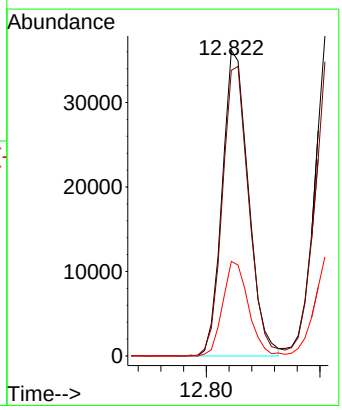


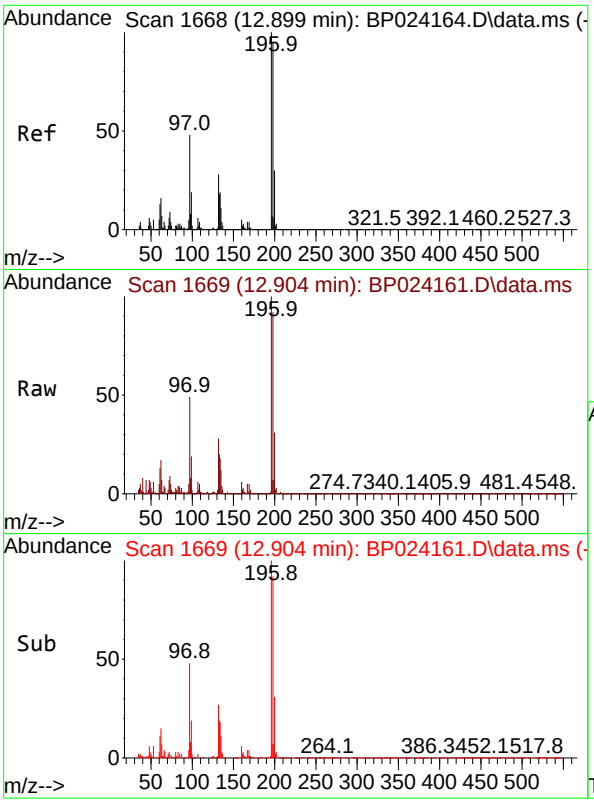




#43
2,4,6-Trichlorophenol
Concen: 3.883 ng
RT: 12.822 min Scan# 1655
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



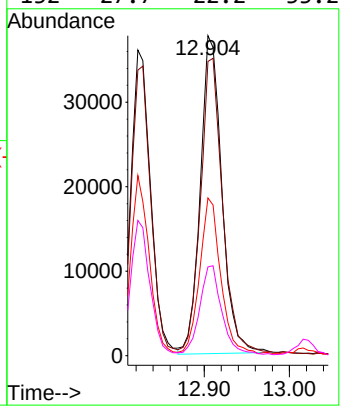


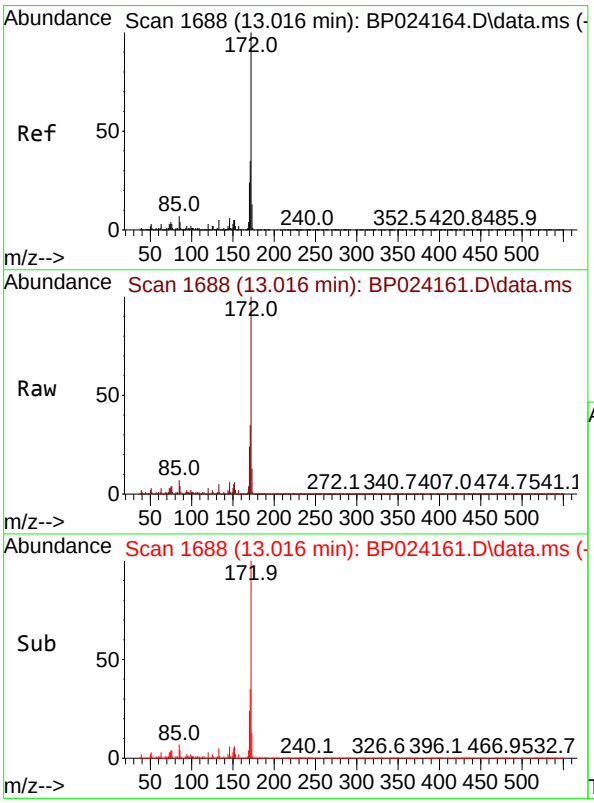

#44
2,4,5-Trichlorophenol
Concen: 4.044 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

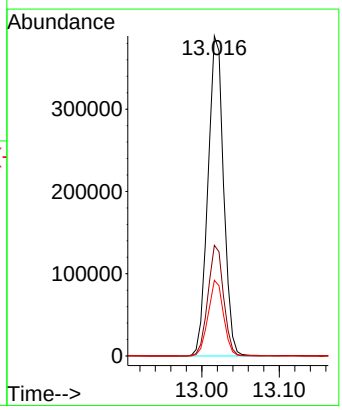


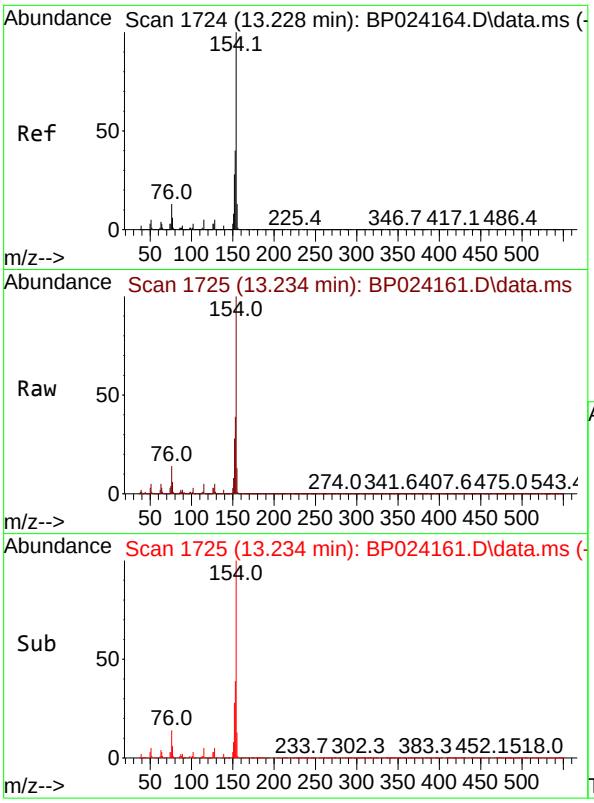




#45
2-Fluorobiphenyl
Concen: 9.532 ng
RT: 13.016 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



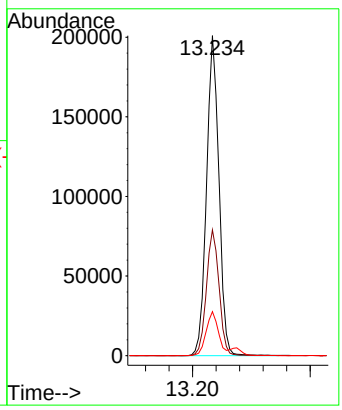


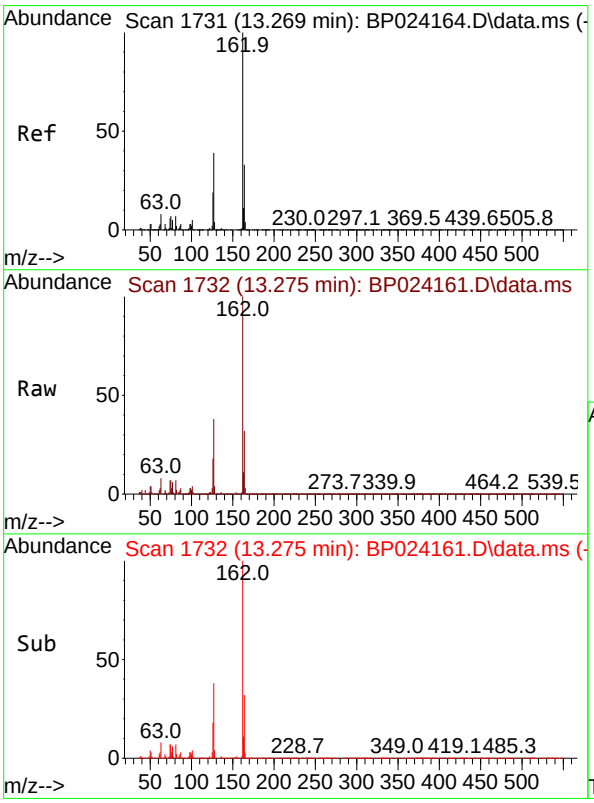

#46
1,1'-Biphenyl
Concen: 4.721 ng
RT: 13.234 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

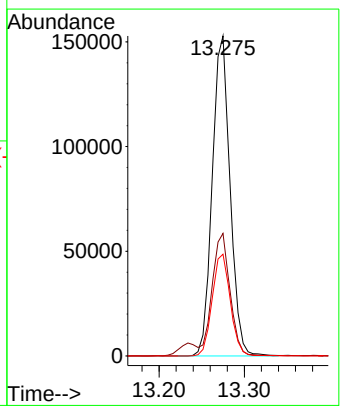


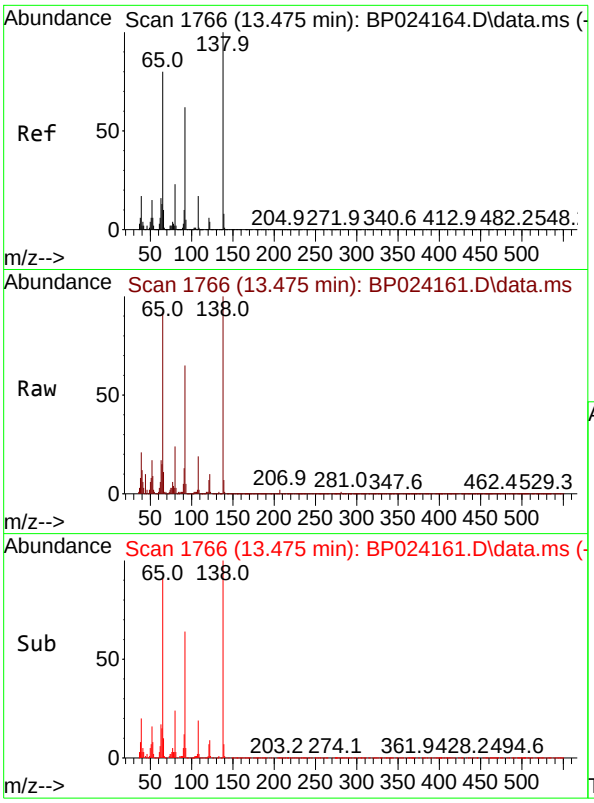




#47
2-Chloronaphthalene
Concen: 4.715 ng
RT: 13.275 min Scan# 1732
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



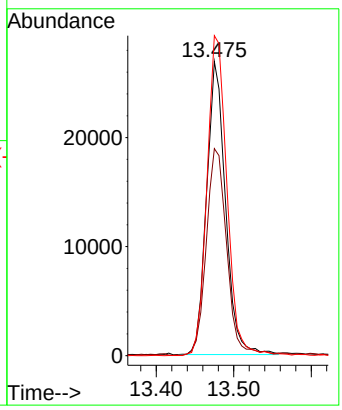


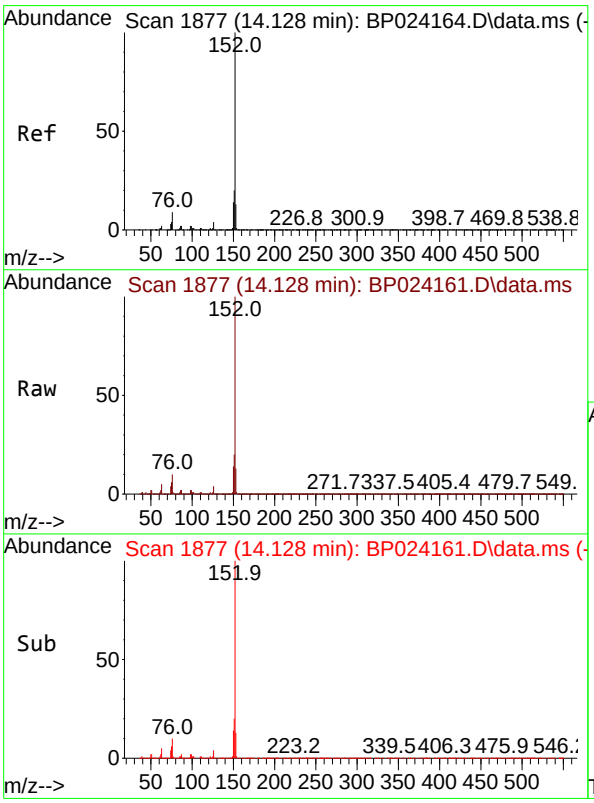

#48
2-Nitroaniline
Concen: 4.117 ng
RT: 13.475 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

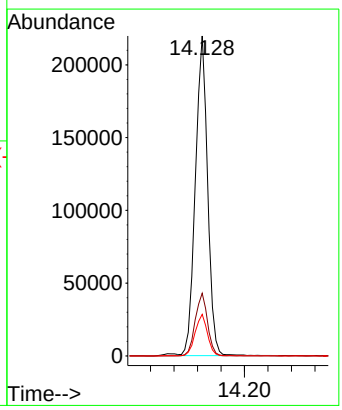


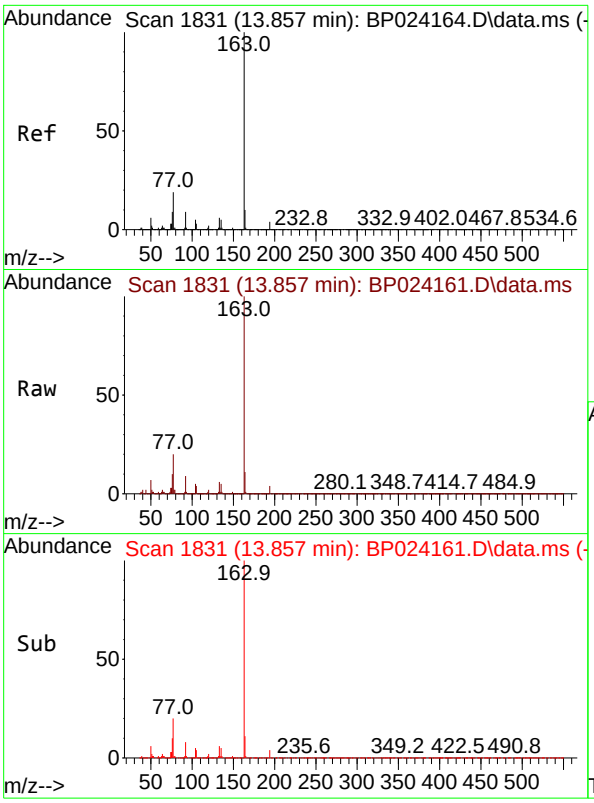




#49
Acenaphthylene
Concen: 4.580 ng
RT: 14.128 min Scan# 1877
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



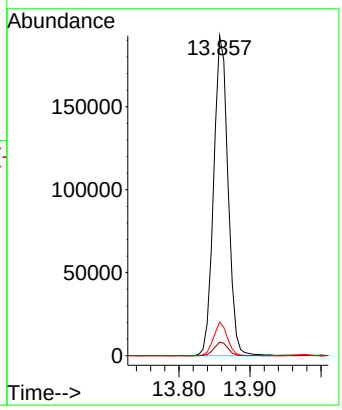


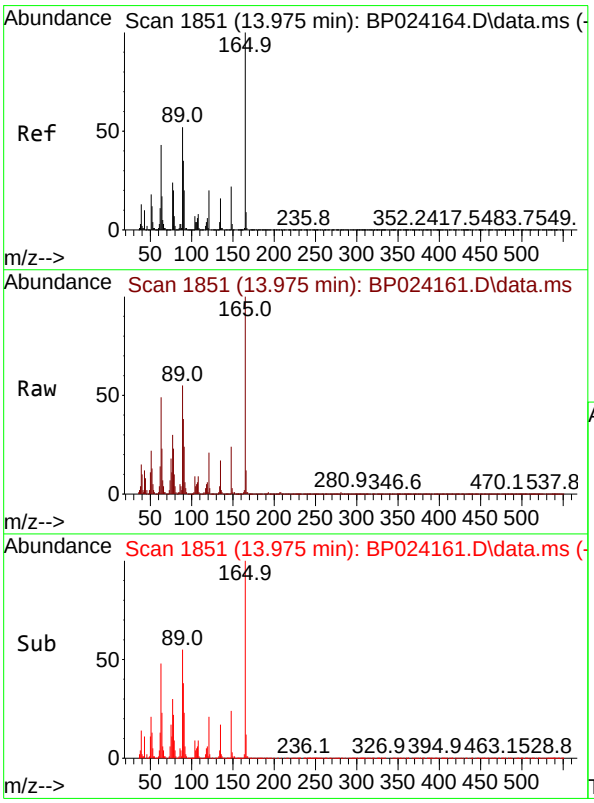

#50
Dimethylphthalate
Concen: 4.789 ng
RT: 13.857 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

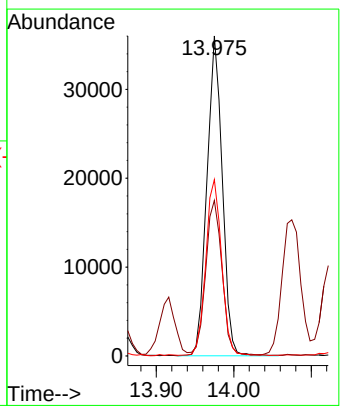


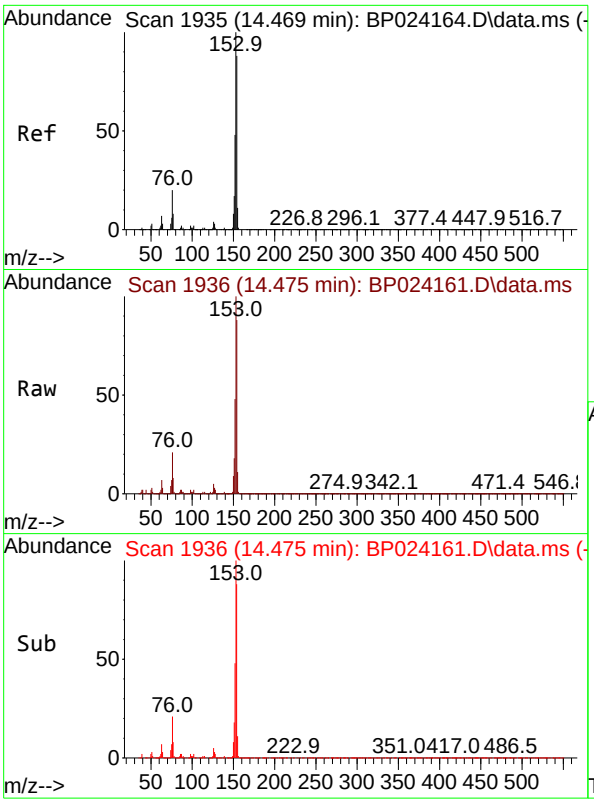




#51
2,6-Dinitrotoluene
Concen: 4.317 ng
RT: 13.975 min Scan# 1851
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



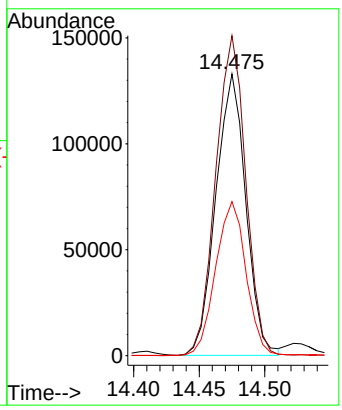


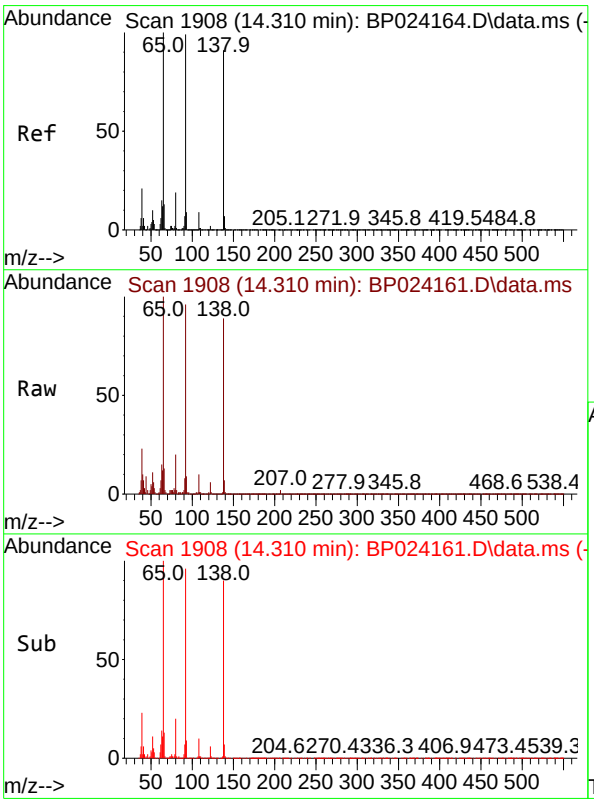

#52
Acenaphthene
Concen: 4.742 ng
RT: 14.475 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

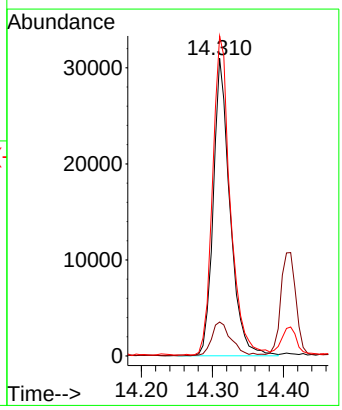


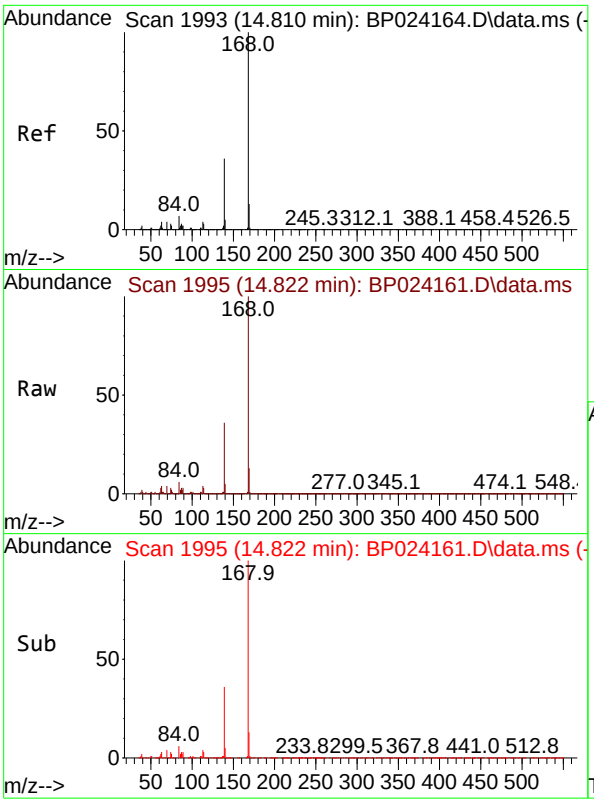




#53
3-Nitroaniline
Concen: 4.129 ng
RT: 14.310 min Scan# 1908
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



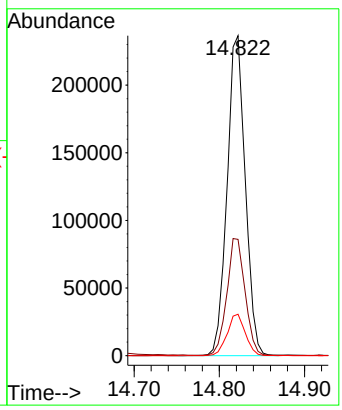


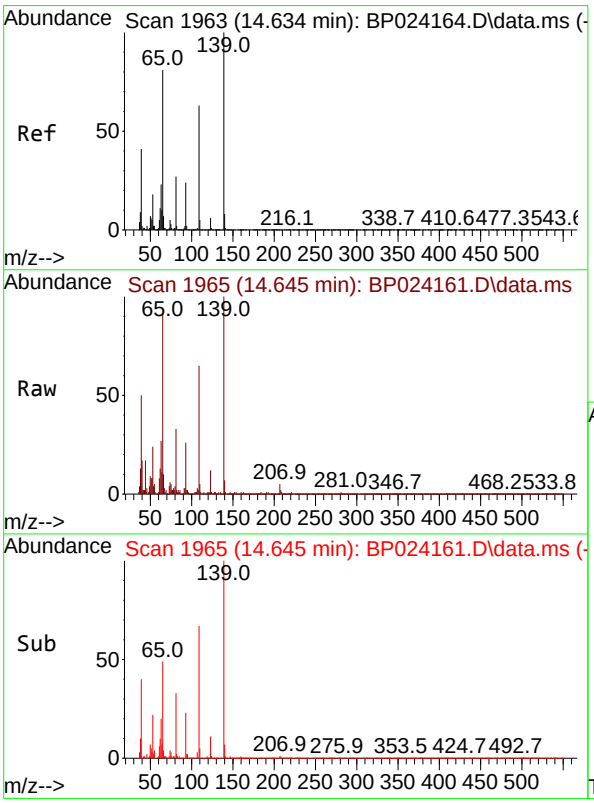

#55
Dibenzofuran
Concen: 4.858 ng
RT: 14.822 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

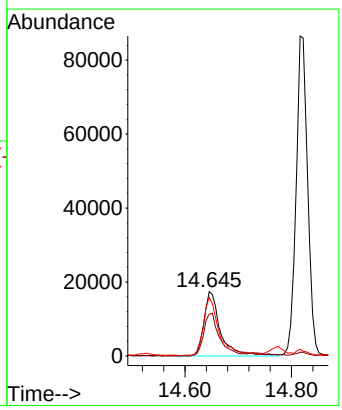


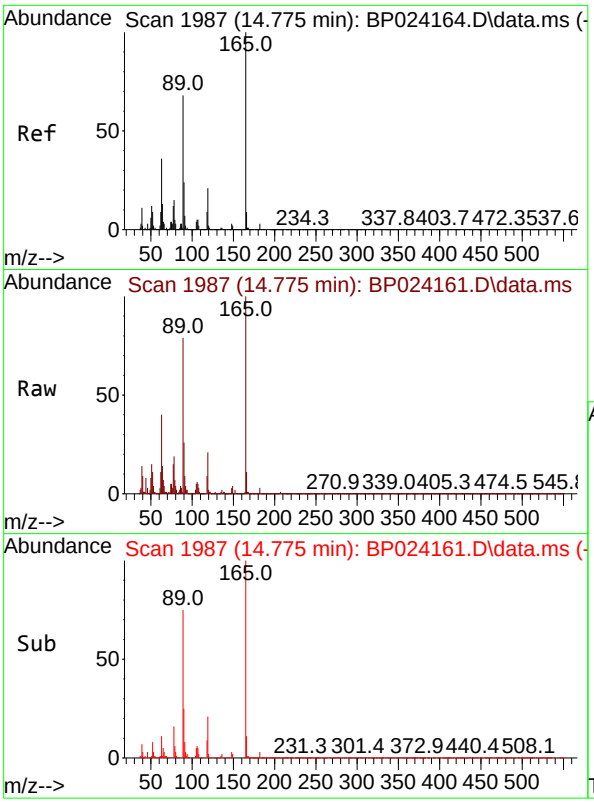




#56
4-Nitrophenol
Concen: 3.521 ng
RT: 14.645 min Scan# 1965
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



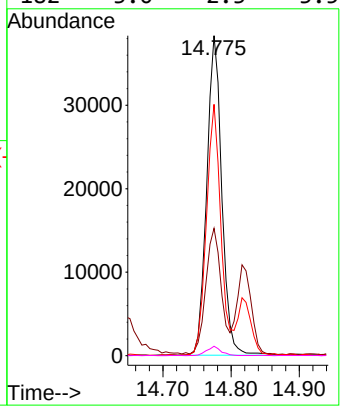


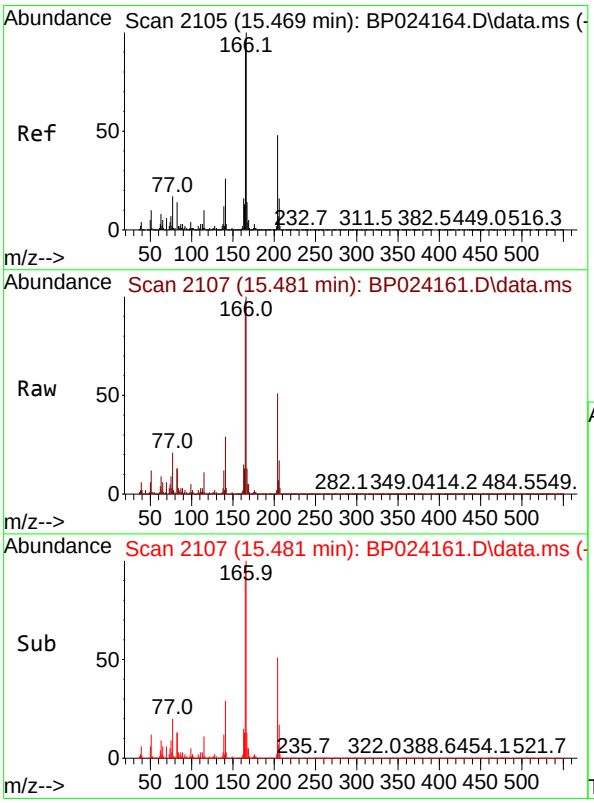

#57
2,4-Dinitrotoluene
Concen: 3.946 ng
RT: 14.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

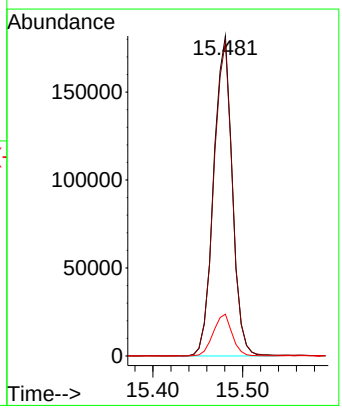


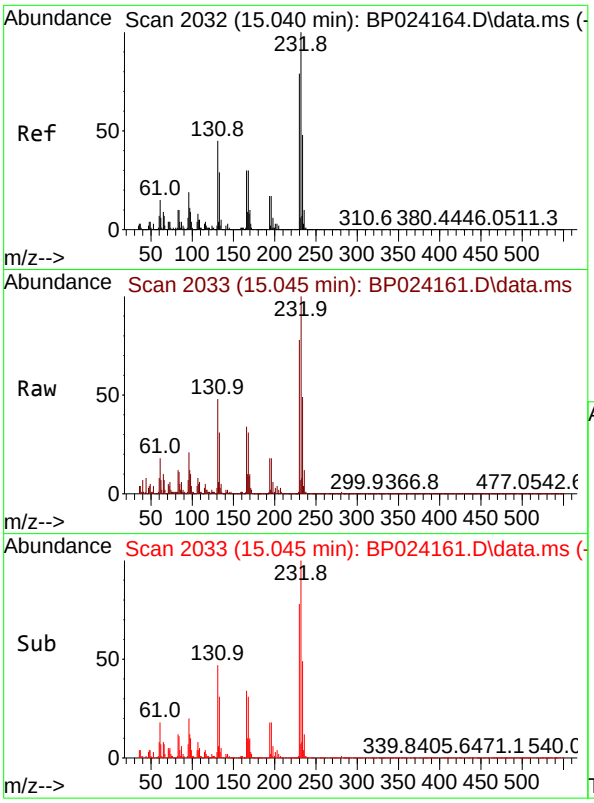




#58
Fluorene
Concen: 4.629 ng
RT: 15.481 min Scan# 2107
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



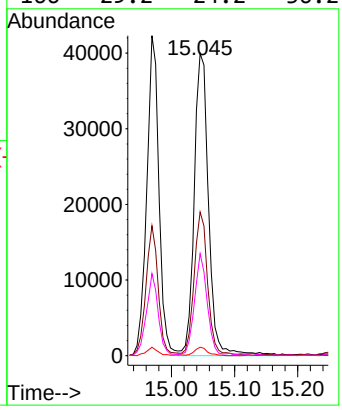


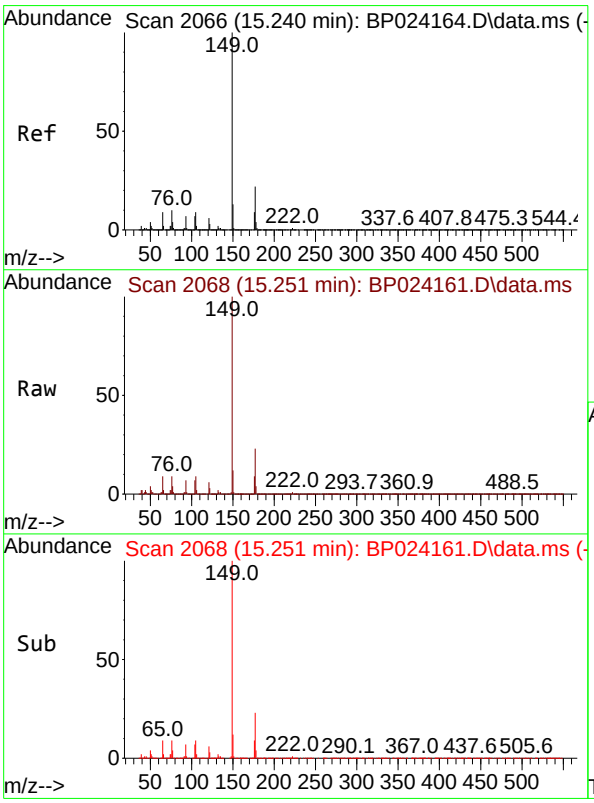

#59
2,3,4,6-Tetrachlorophenol
Concen: 4.441 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

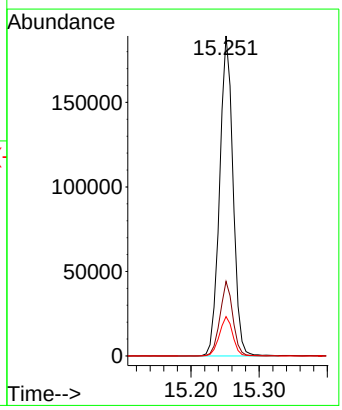


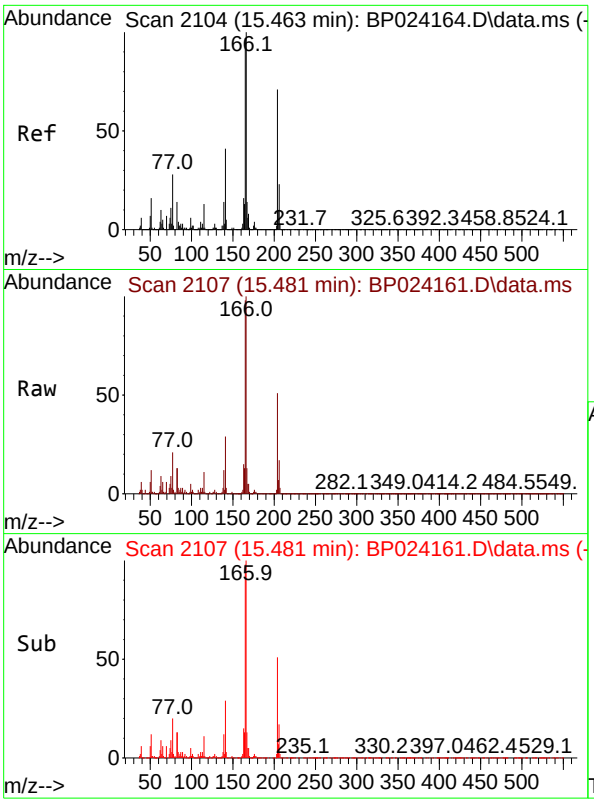




#60
Diethylphthalate
Concen: 4.631 ng
RT: 15.251 min Scan# 2068
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



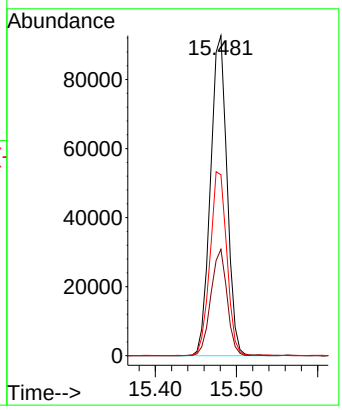


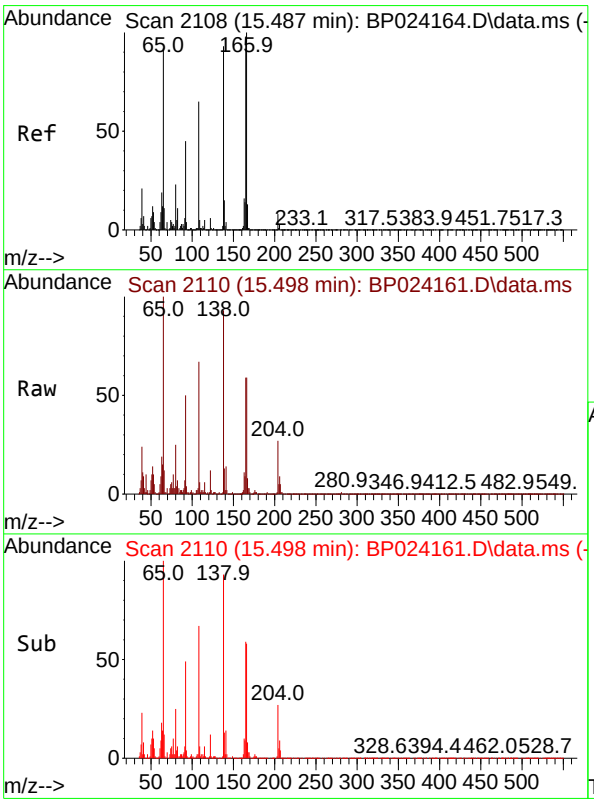

#61
4-Chlorophenyl-phenylether
Concen: 4.724 ng
RT: 15.481 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

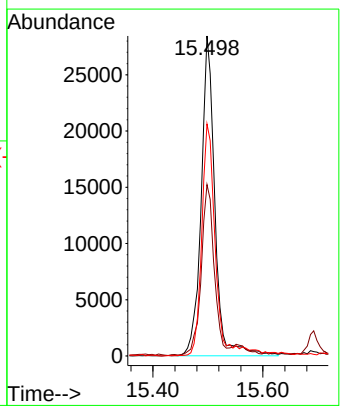


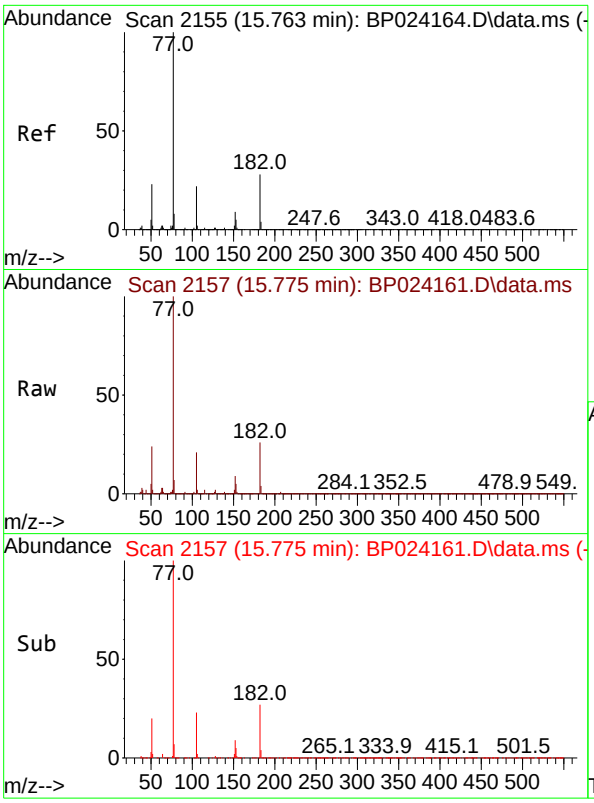




#62
4-Nitroaniline
Concen: 3.871 ng
RT: 15.498 min Scan# 2110
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



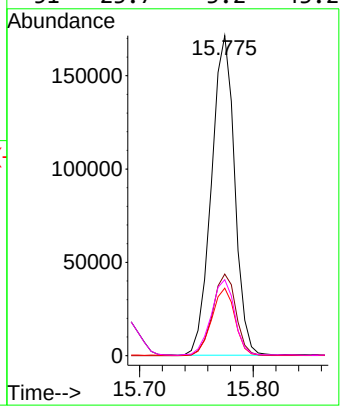


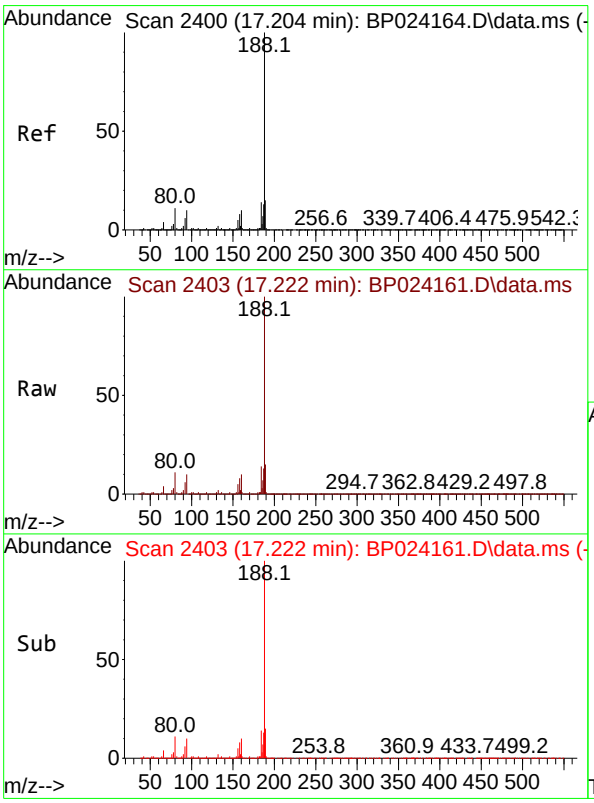

#63
Azobenzene
Concen: 4.628 ng
RT: 15.775 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

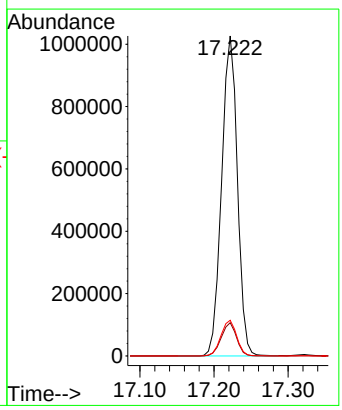


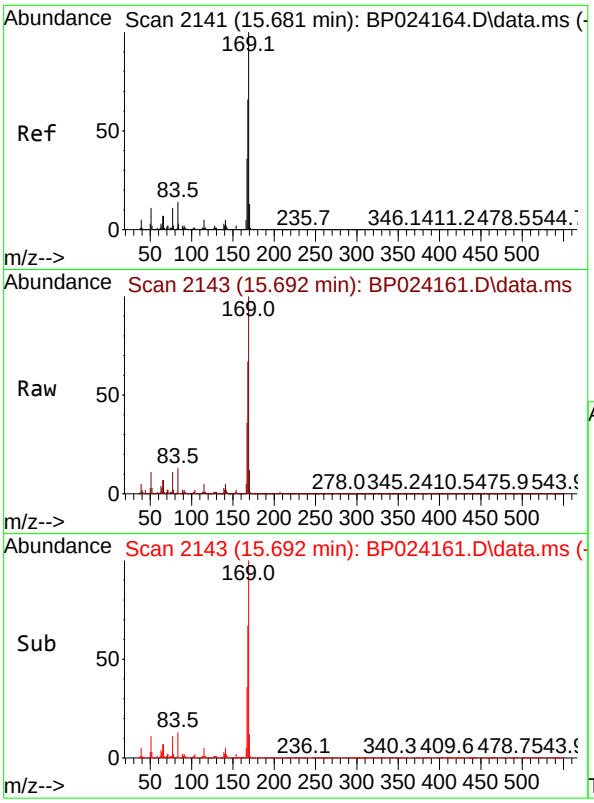




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.222 min Scan# 2403
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



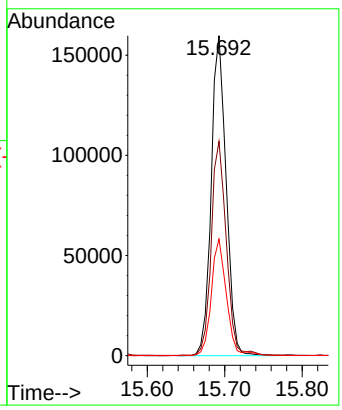


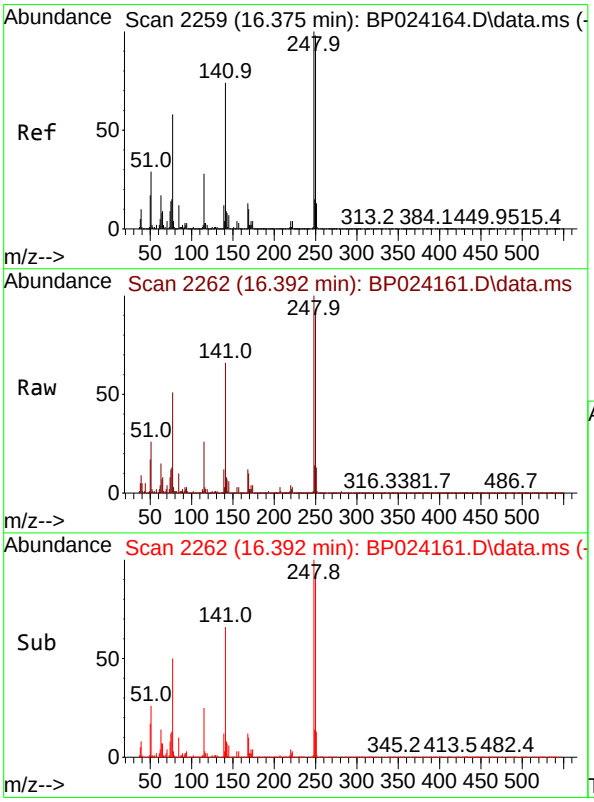

#66
n-Nitrosodiphenylamine
Concen: 4.522 ng
RT: 15.692 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

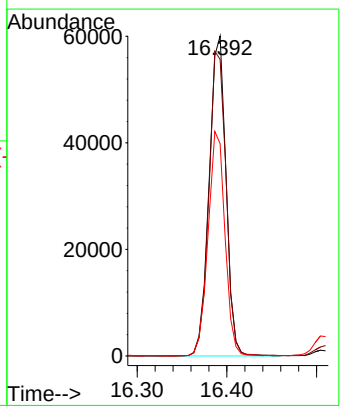


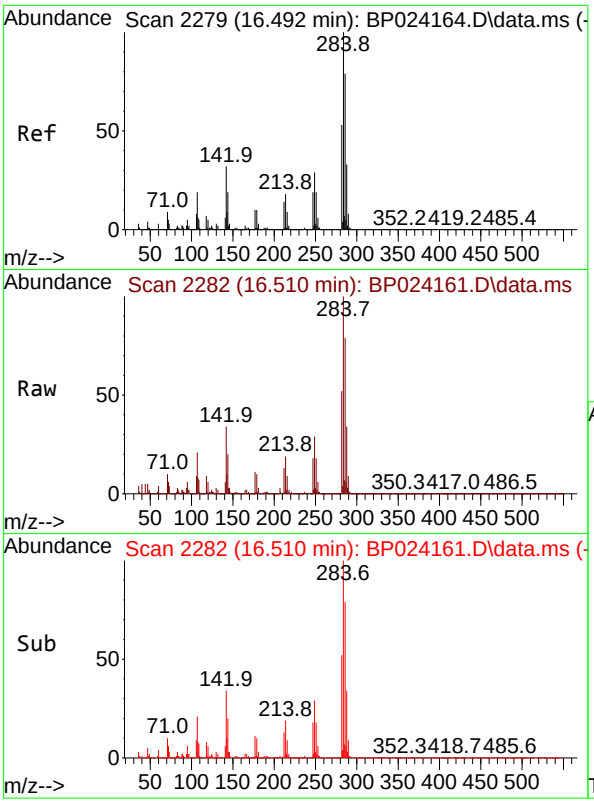




#67
4-Bromophenyl-phenylether
Concen: 4.597 ng
RT: 16.392 min Scan# 2262
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



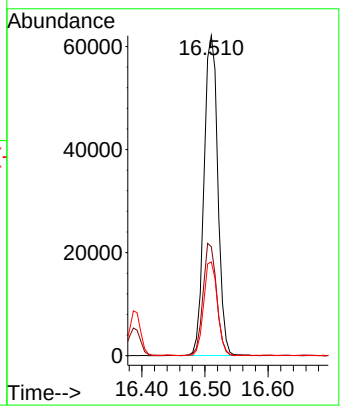


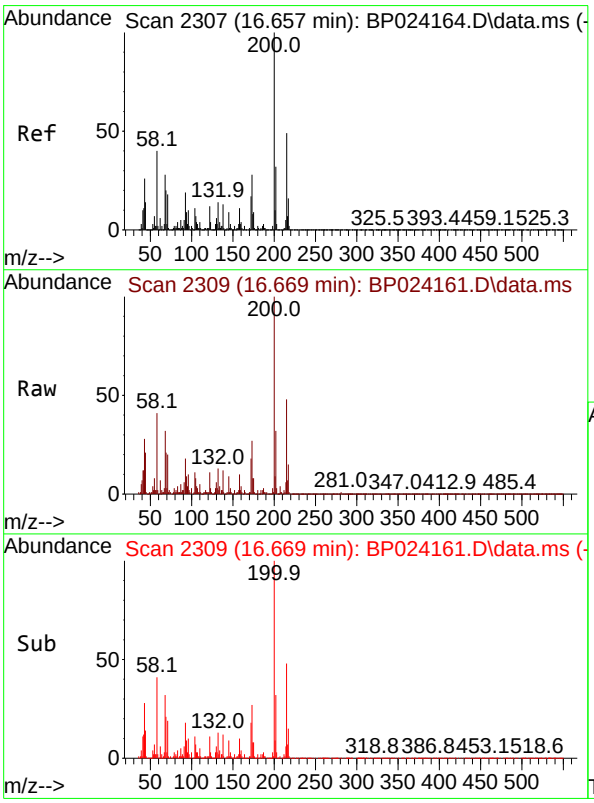

#68
Hexachlorobenzene
Concen: 4.696 ng
RT: 16.510 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

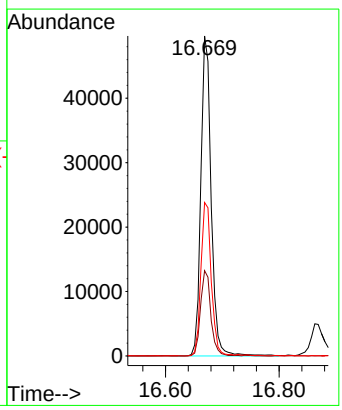


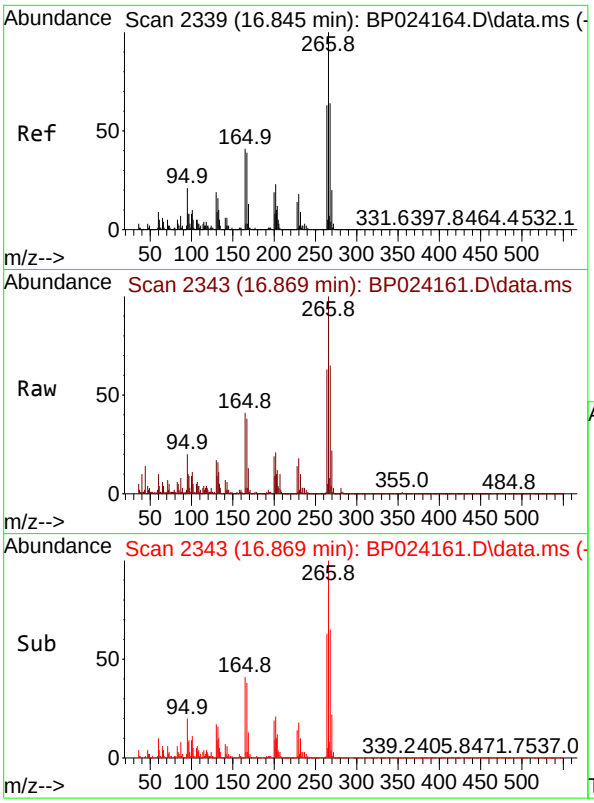




#69
Atrazine
Concen: 5.152 ng
RT: 16.669 min Scan# 2309
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



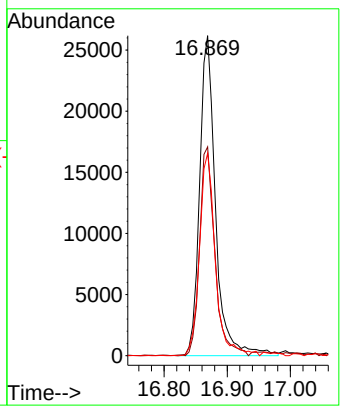


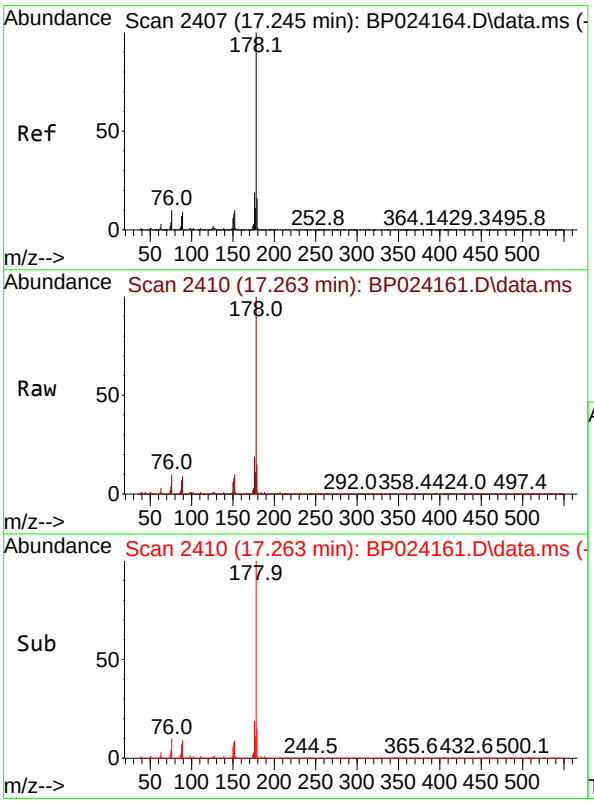

#70
Pentachlorophenol
Concen: 3.525 ng
RT: 16.869 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

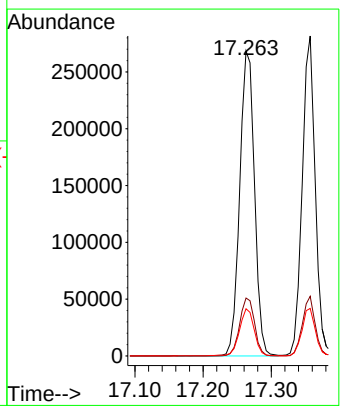


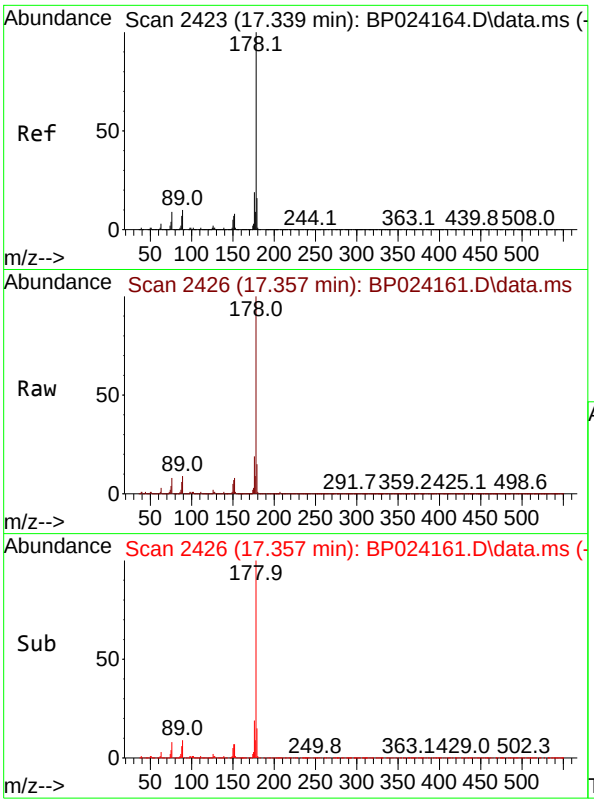




#71
Phenanthrene
Concen: 4.734 ng
RT: 17.263 min Scan# 2410
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



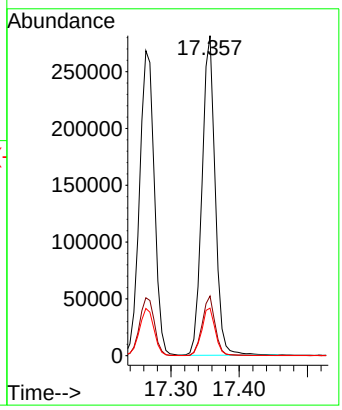


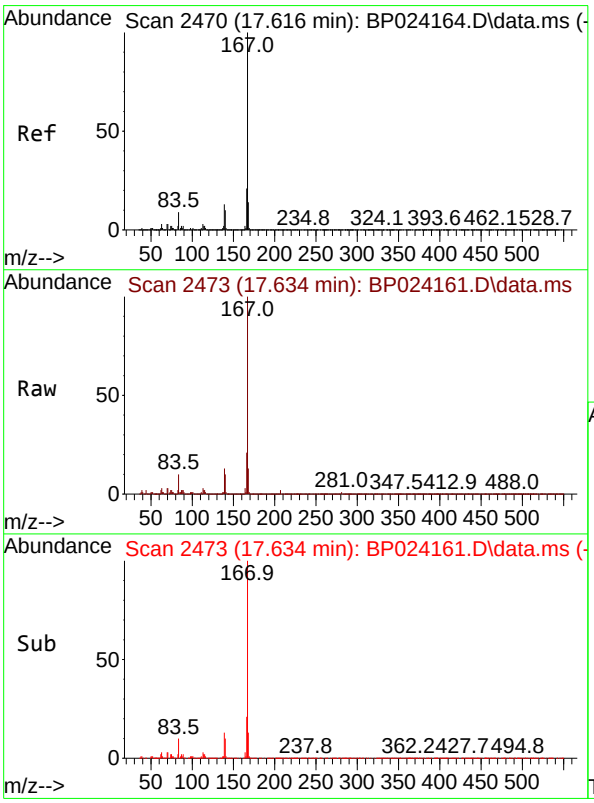

#72
Anthracene
Concen: 4.595 ng
RT: 17.357 min Scan# 24
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

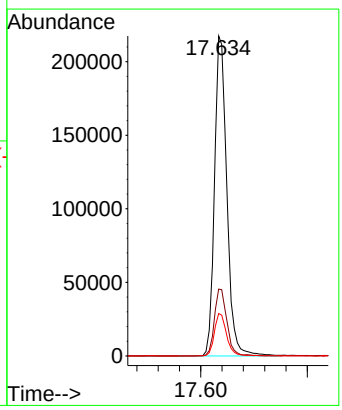


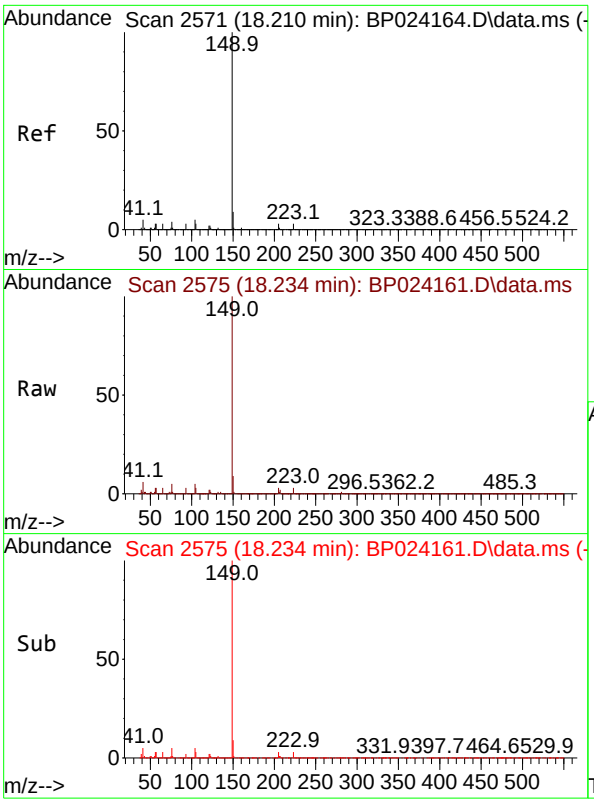




#73
Carbazole
Concen: 4.469 ng
RT: 17.634 min Scan# 2473
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



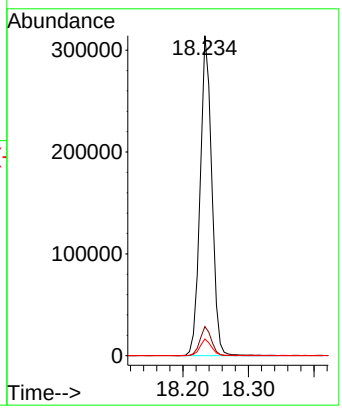


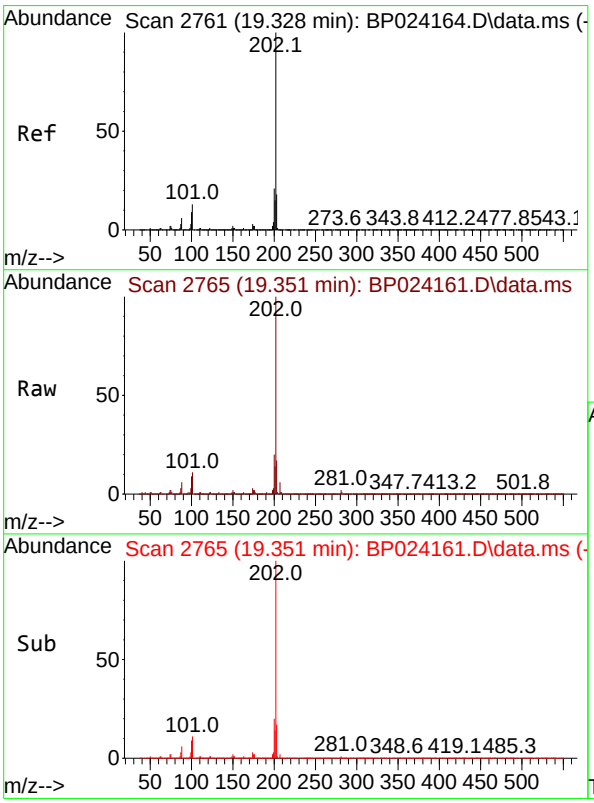

#74
Di-n-butylphthalate
Concen: 4.270 ng
RT: 18.234 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

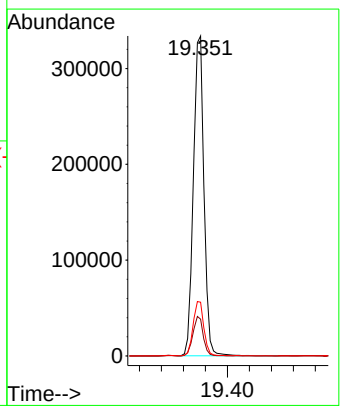


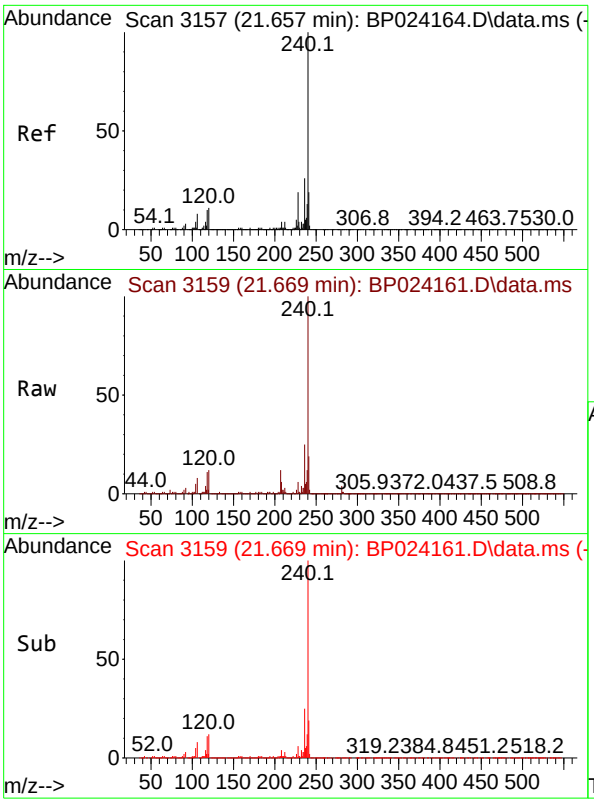




#75
Fluoranthene
Concen: 4.597 ng
RT: 19.351 min Scan# 2765
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



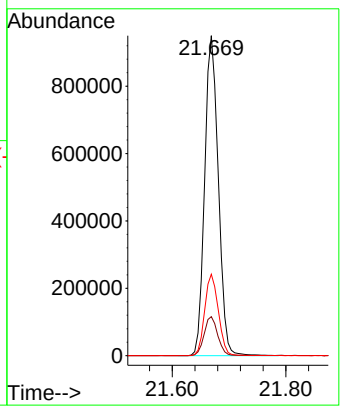


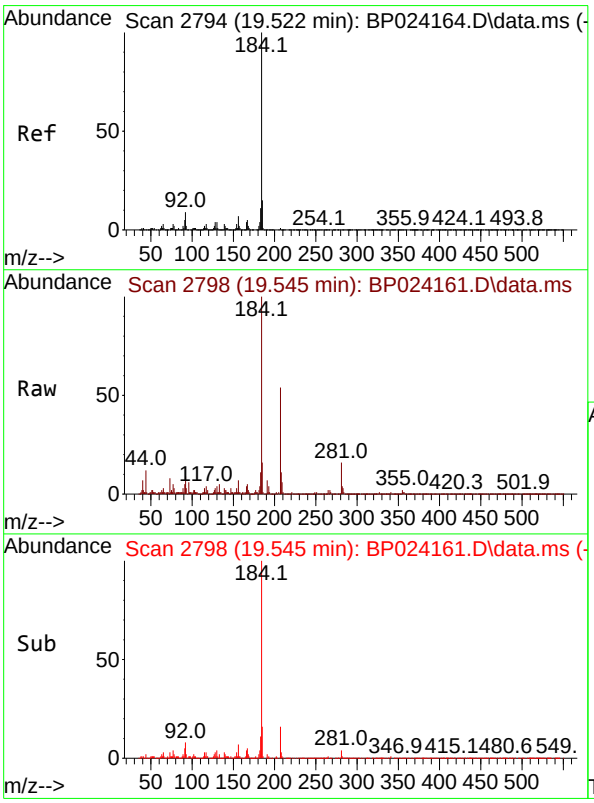

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.669 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

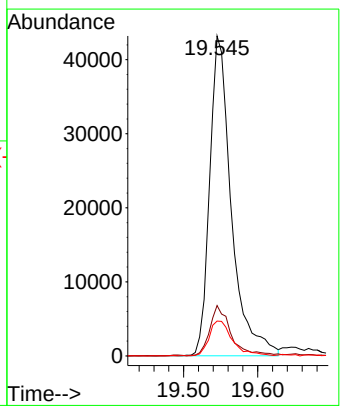


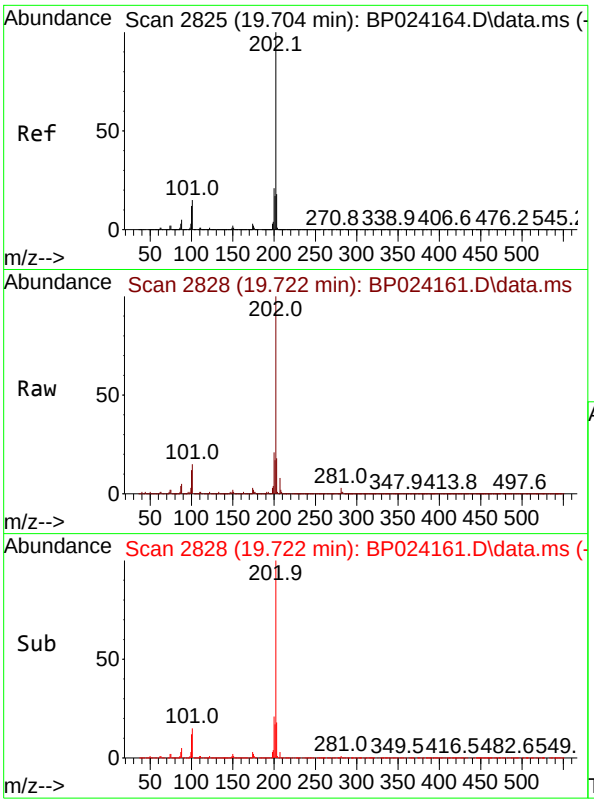




#77
Benzidine
Concen: 4.562 ng
RT: 19.545 min Scan# 2798
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



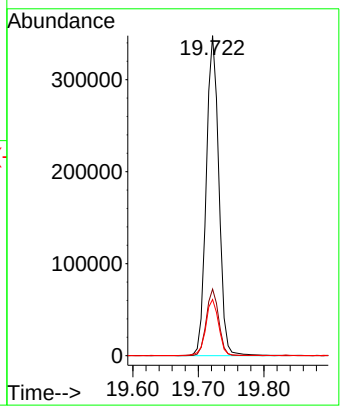


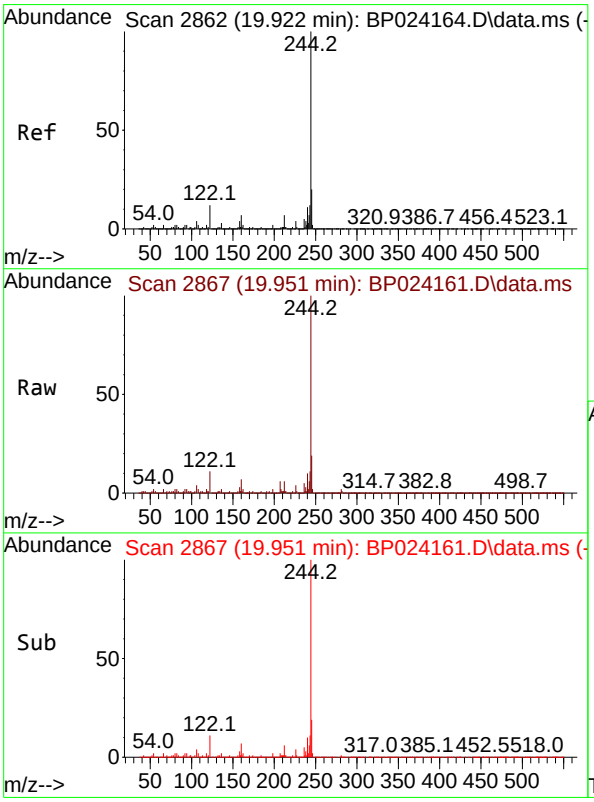

#78
Pyrene
Concen: 4.634 ng
RT: 19.722 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

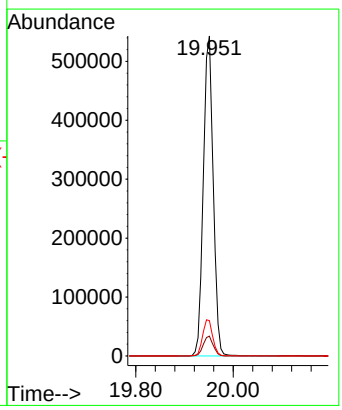


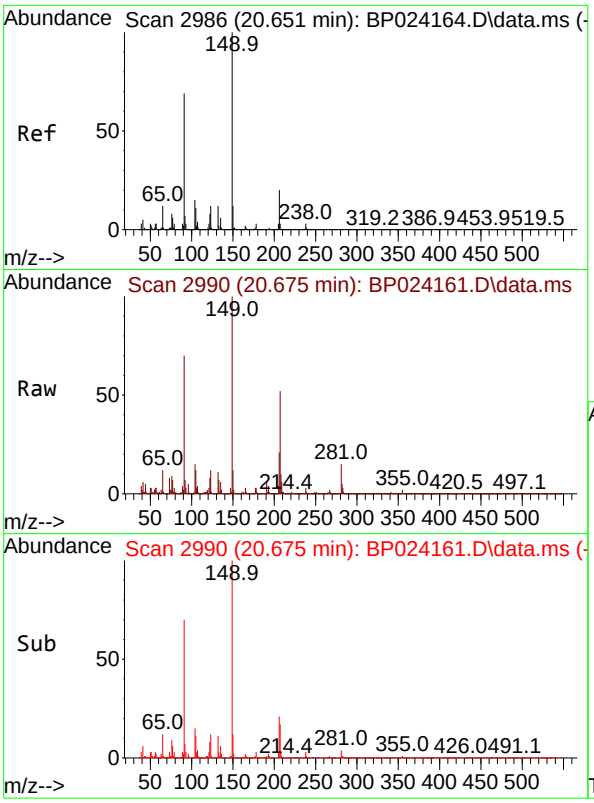




#79
Terphenyl-d14
Concen: 9.563 ng
RT: 19.951 min Scan# 2867
Delta R.T. 0.029 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



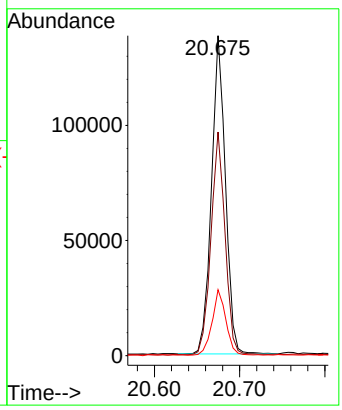


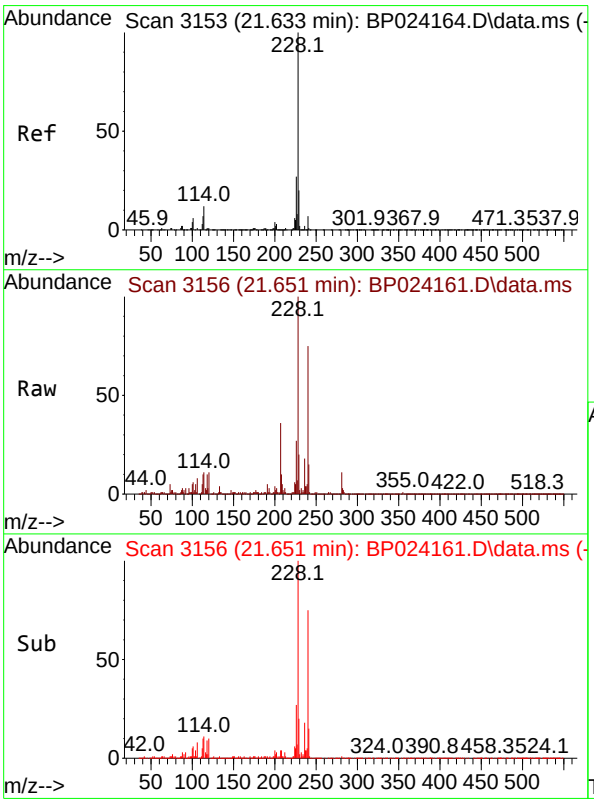

#80
Butylbenzylphthalate
Concen: 4.101 ng
RT: 20.675 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

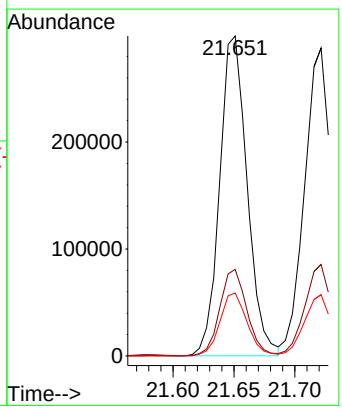


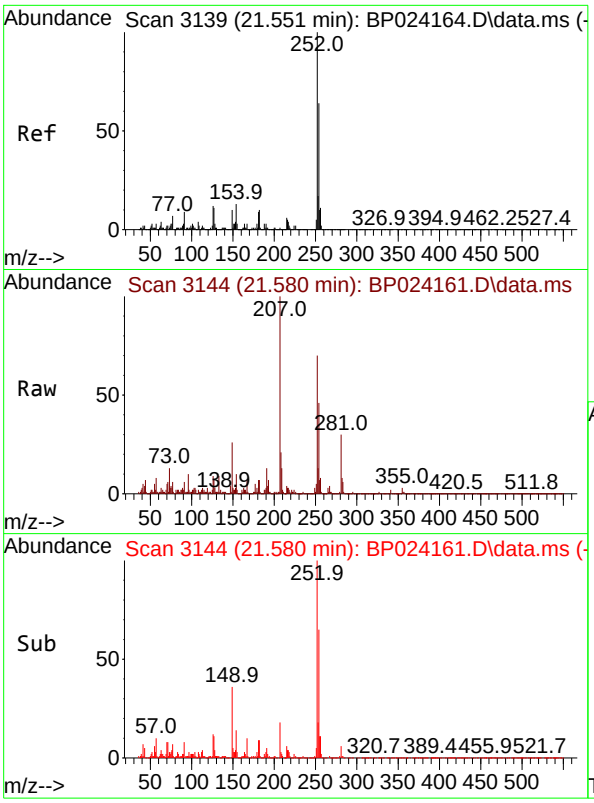




#81
Benzo(a)anthracene
Concen: 4.761 ng
RT: 21.651 min Scan# 3156
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



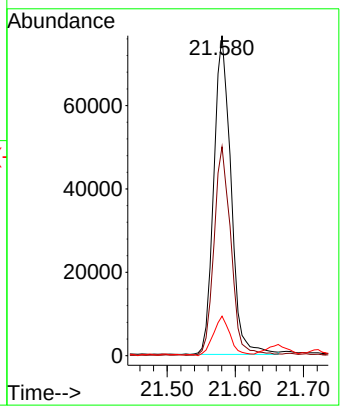


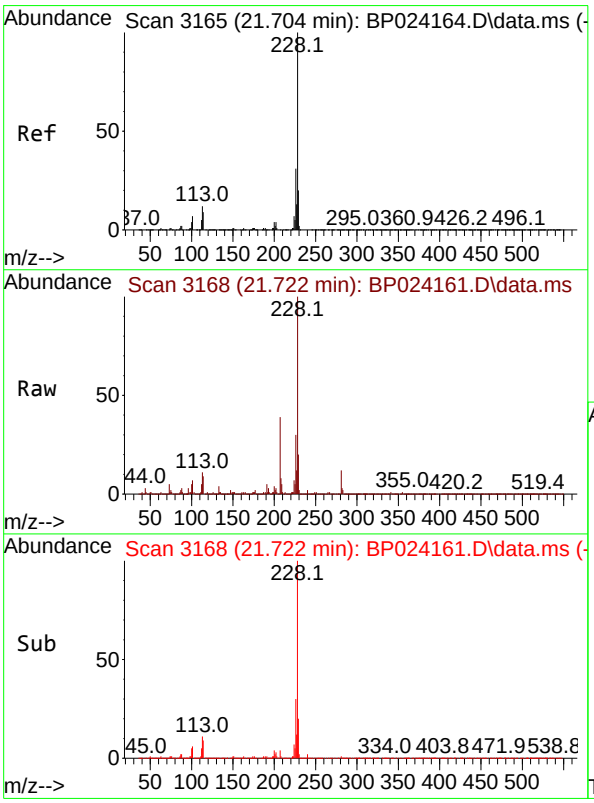

#82
3,3'-Dichlorobenzidine
Concen: 4.336 ng
RT: 21.580 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

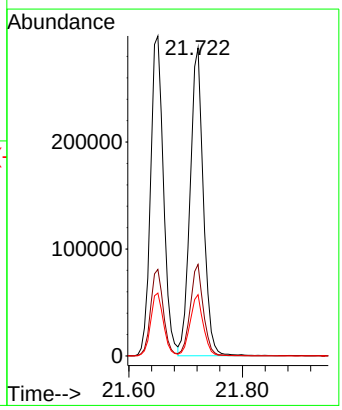


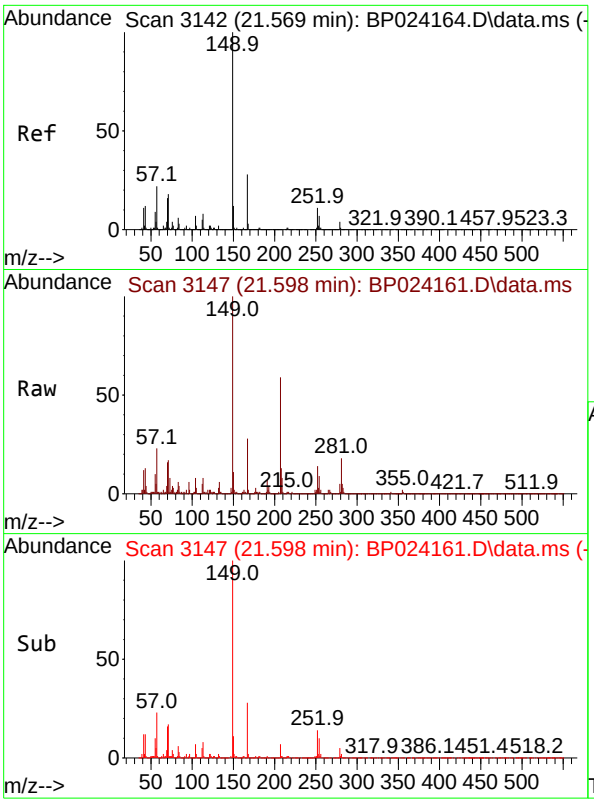




#83
Chrysene
Concen: 4.898 ng
RT: 21.722 min Scan# 3168
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



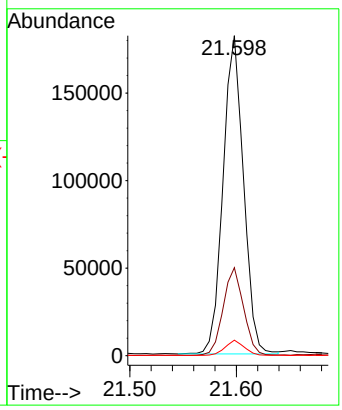


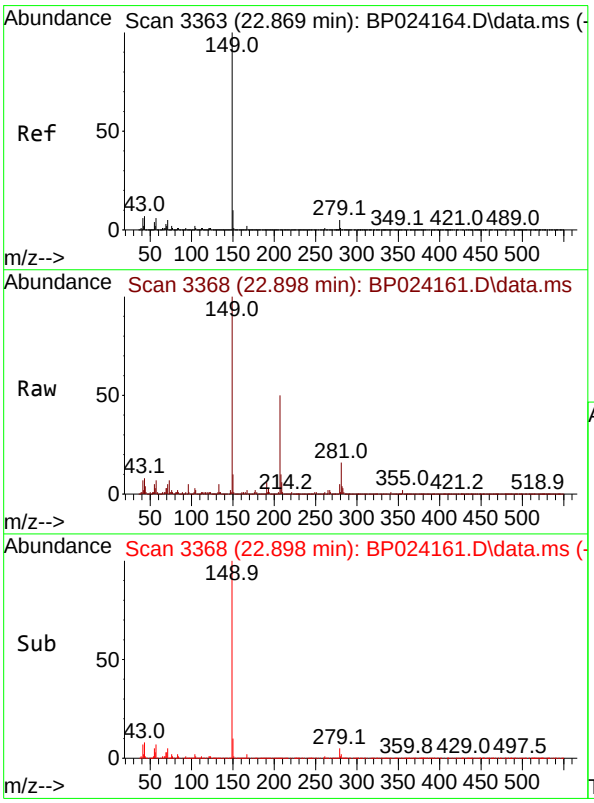

#84
Bis(2-ethylhexyl)phthalate
Concen: 4.153 ng
RT: 21.598 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

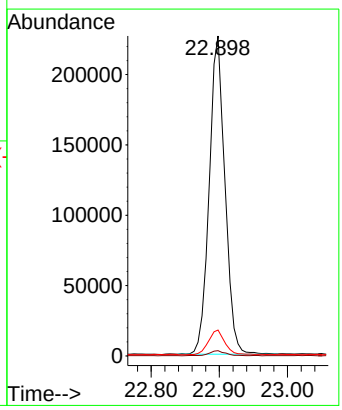


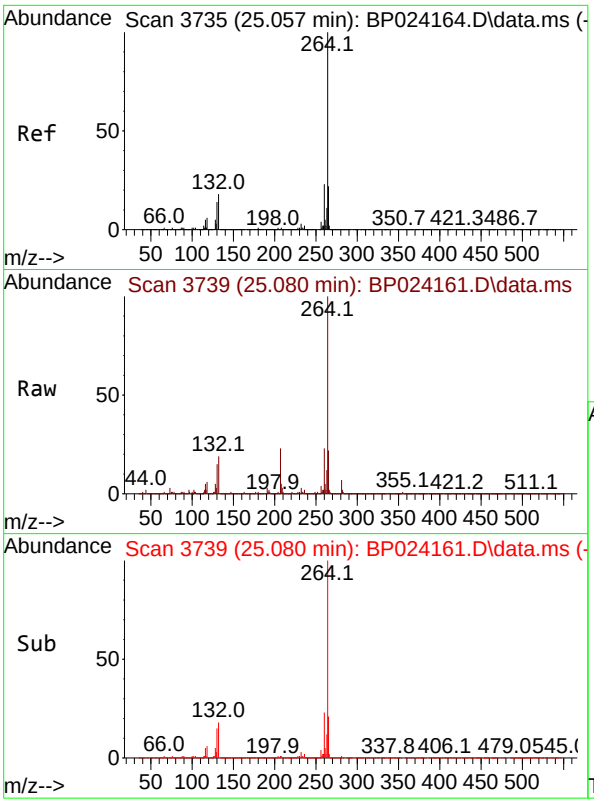




#85
Di-n-octyl phthalate
Concen: 3.905 ng
RT: 22.898 min Scan# 3368
Delta R.T. 0.029 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



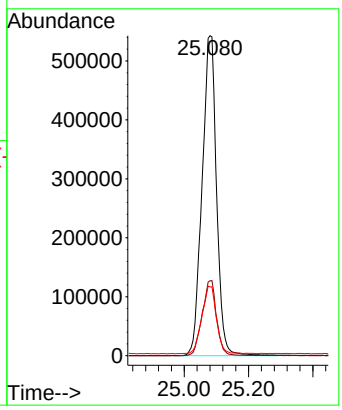


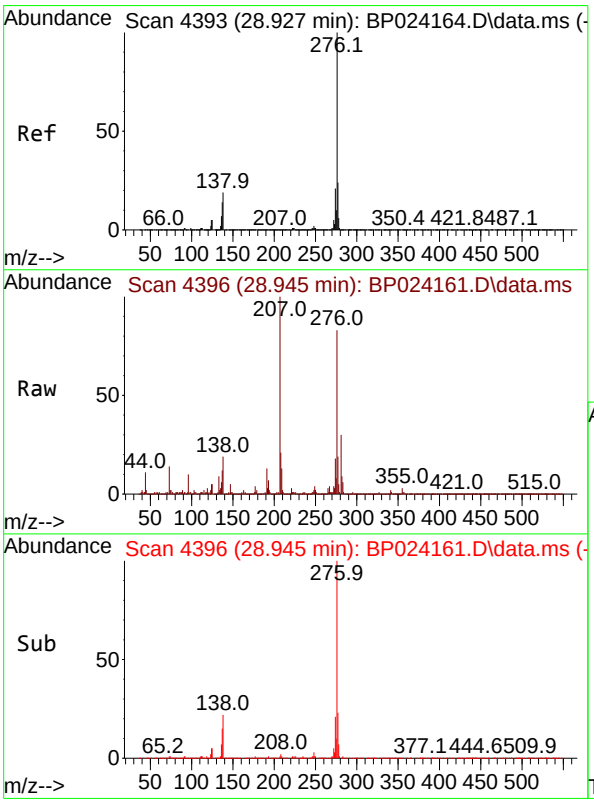

#86
Perylene-d12
Concen: 20.000 ng
RT: 25.080 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

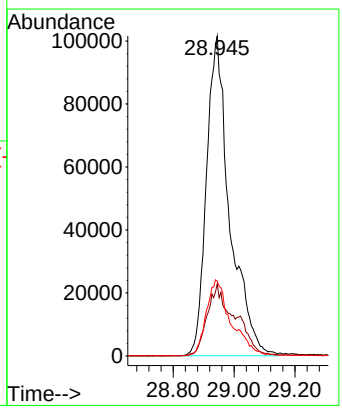


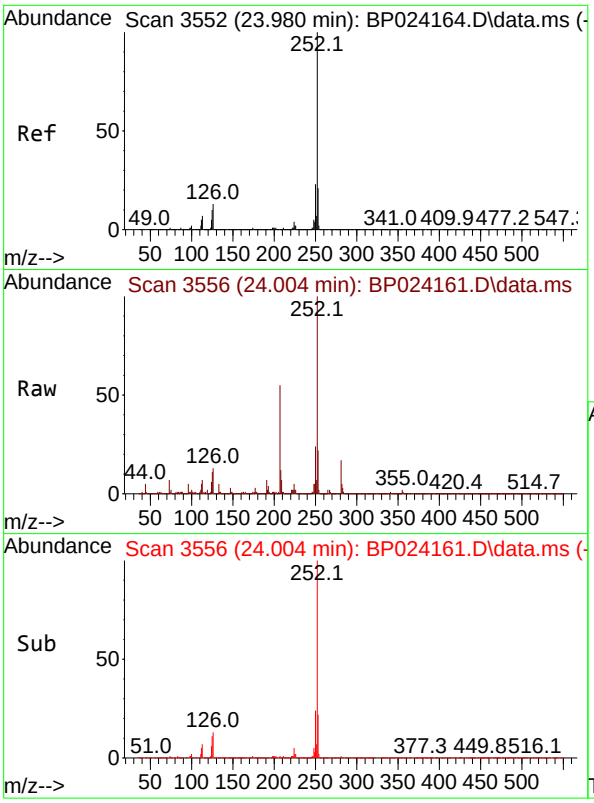




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.476 ng
RT: 28.945 min Scan# 4396
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



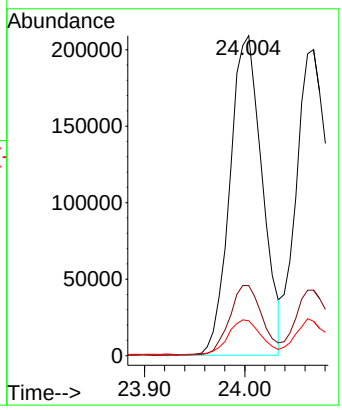


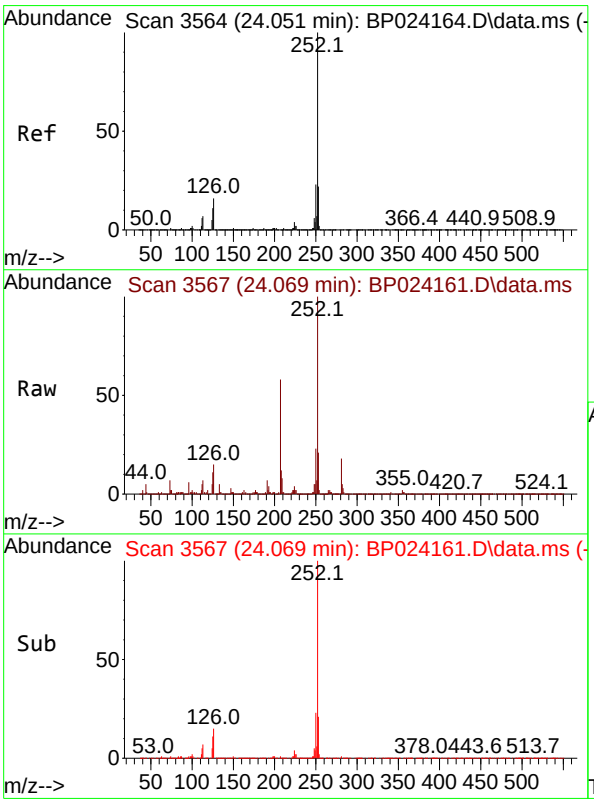

#88
Benzo(b)fluoranthene
Concen: 4.344 ng
RT: 24.004 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

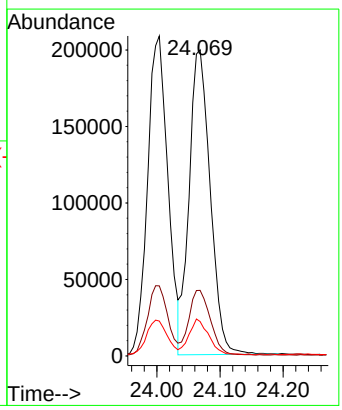


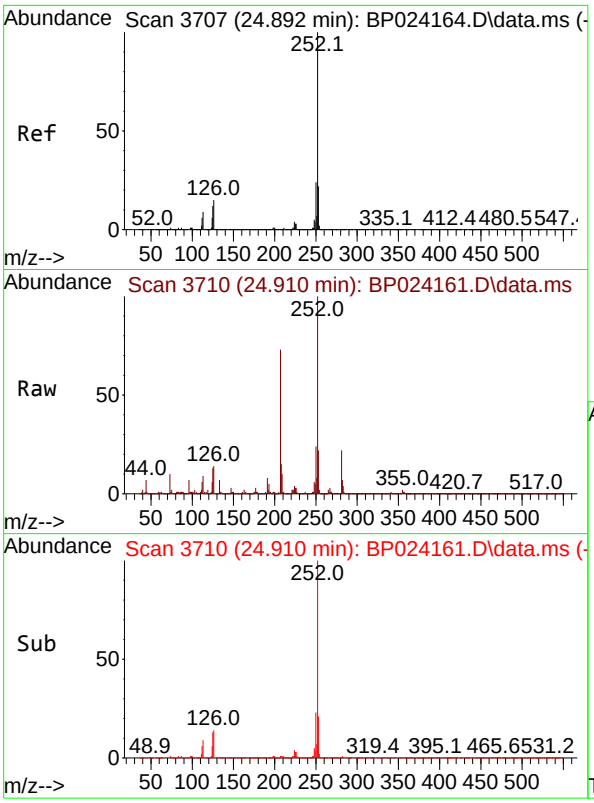




#89
Benzo(k)fluoranthene
Concen: 4.417 ng
RT: 24.069 min Scan# 3567
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



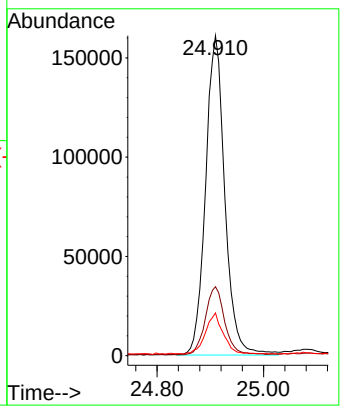


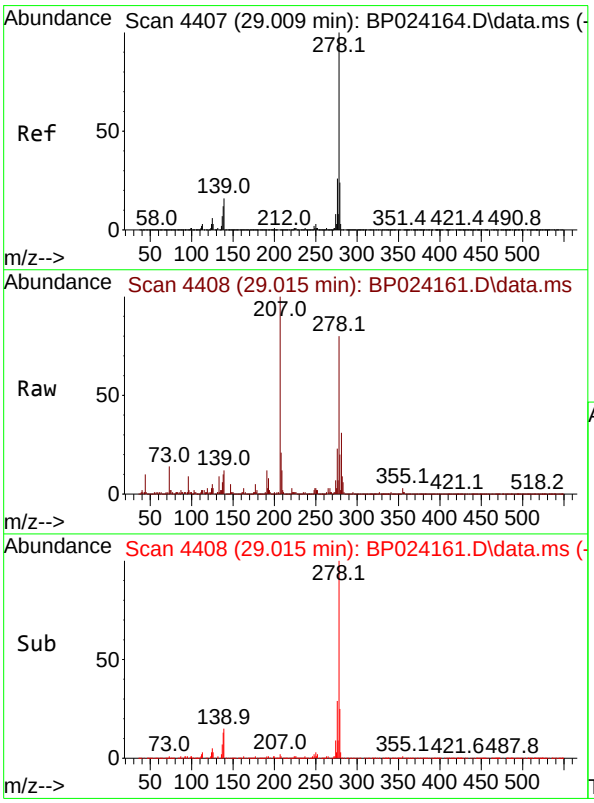

#90
Benzo(a)pyrene
Concen: 4.421 ng
RT: 24.910 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |

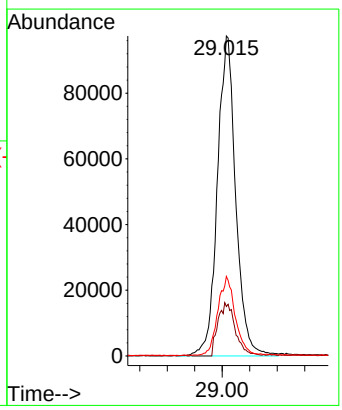


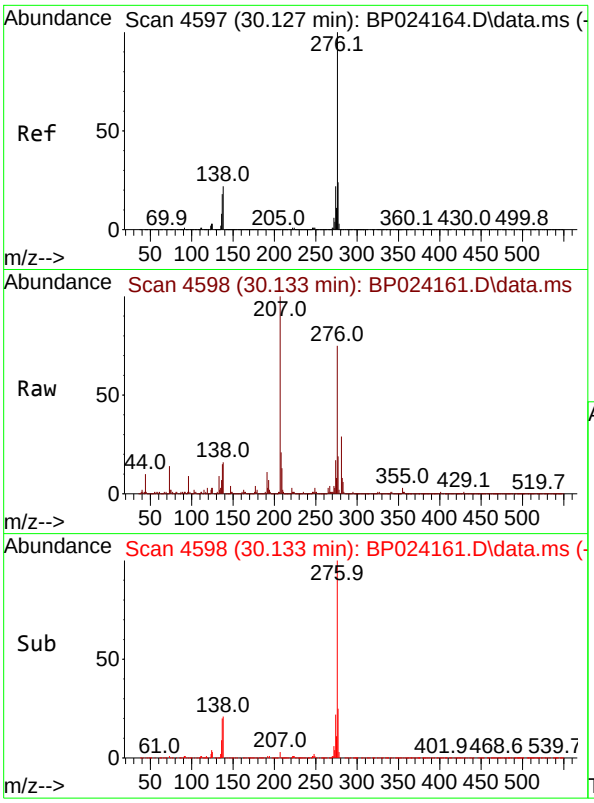




#91
Dibenzo(a,h)anthracene
Concen: 4.444 ng
RT: 29.015 min Scan# 4408
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

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 |



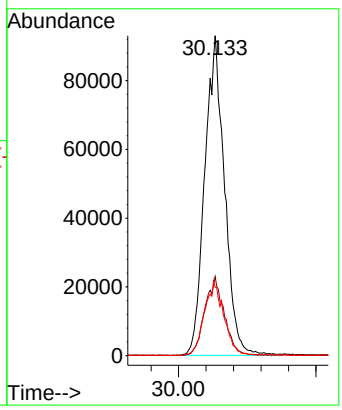



#92
Benzo(g,h,i)perylene
Concen: 4.518 ng
RT: 30.133 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

**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 |



Quantitation Report (QT Reviewed)

ICAL Form

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 |

ICAL Form

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

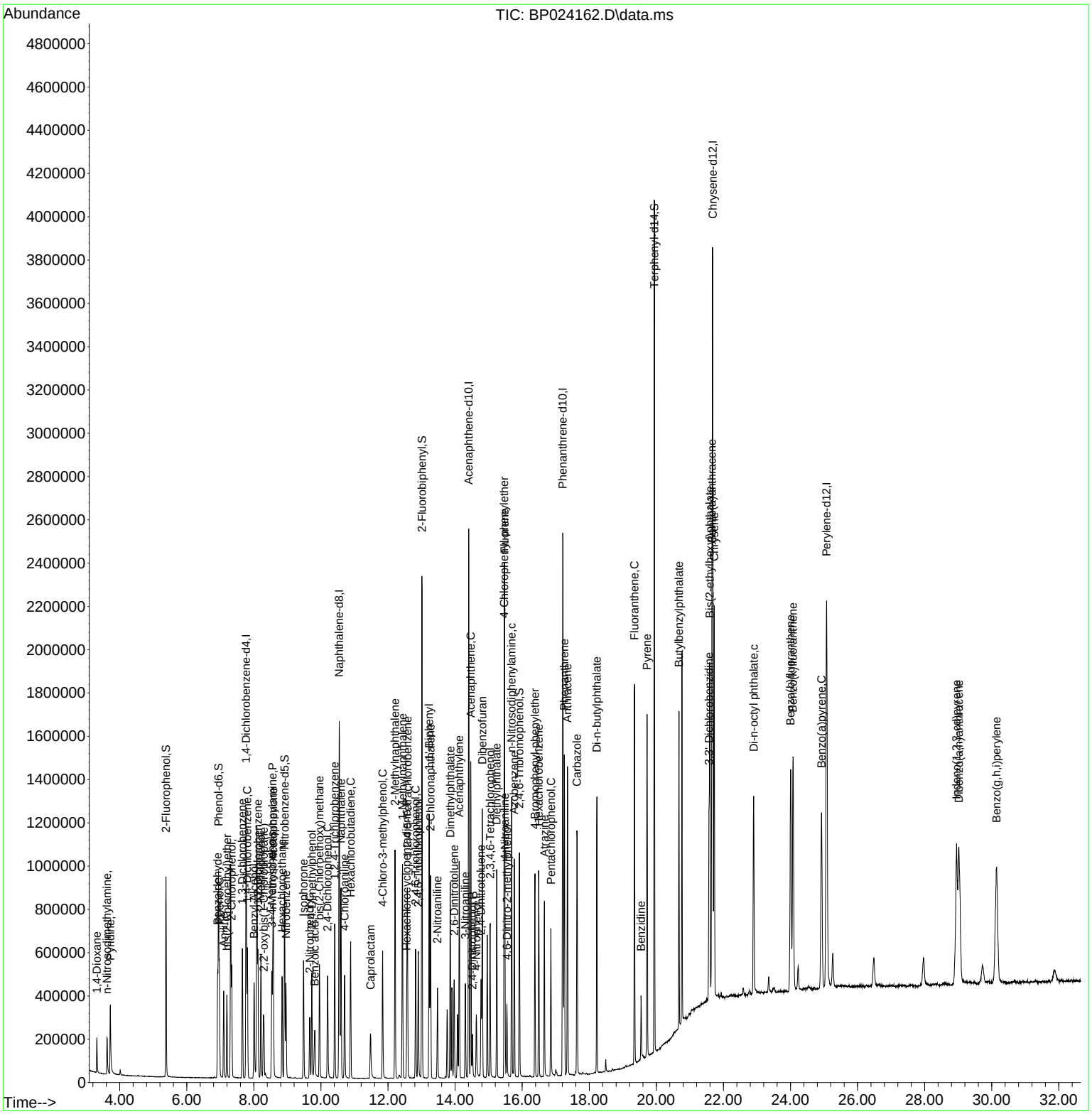
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.904 | 196 | 159135 | 8.841 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.228 | 154 | 647980 | 9.494 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.269 | 162 | 483199 | 9.365 | ng | | 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 |

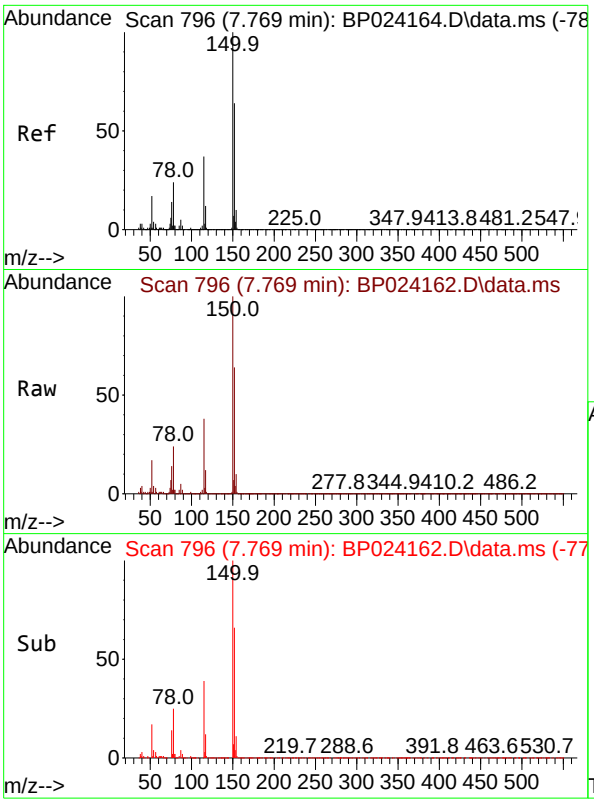
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



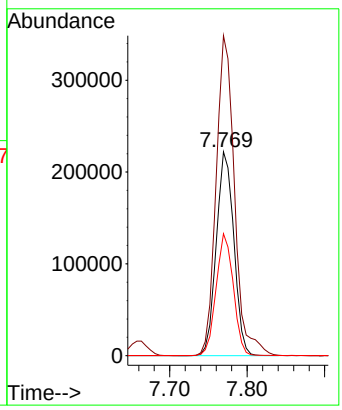


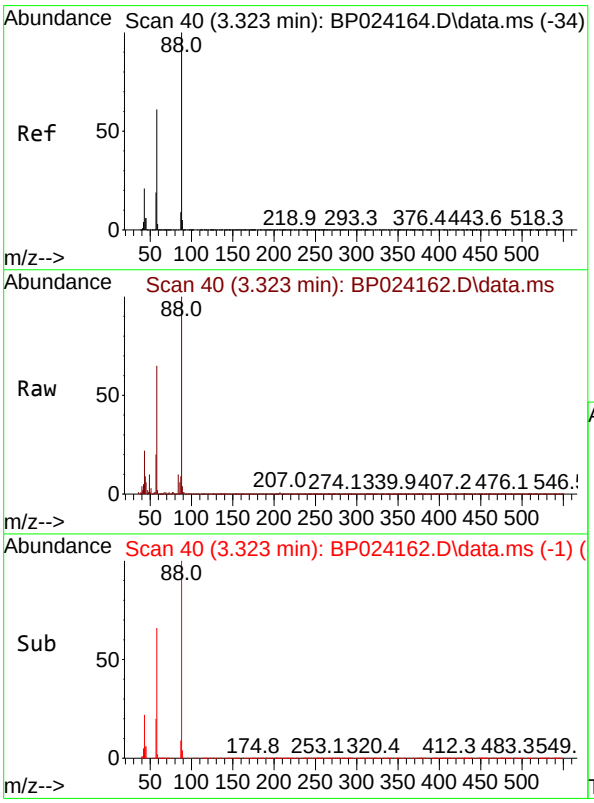

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

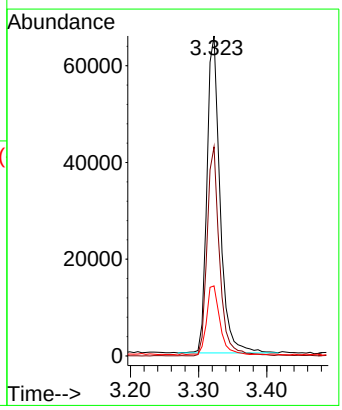


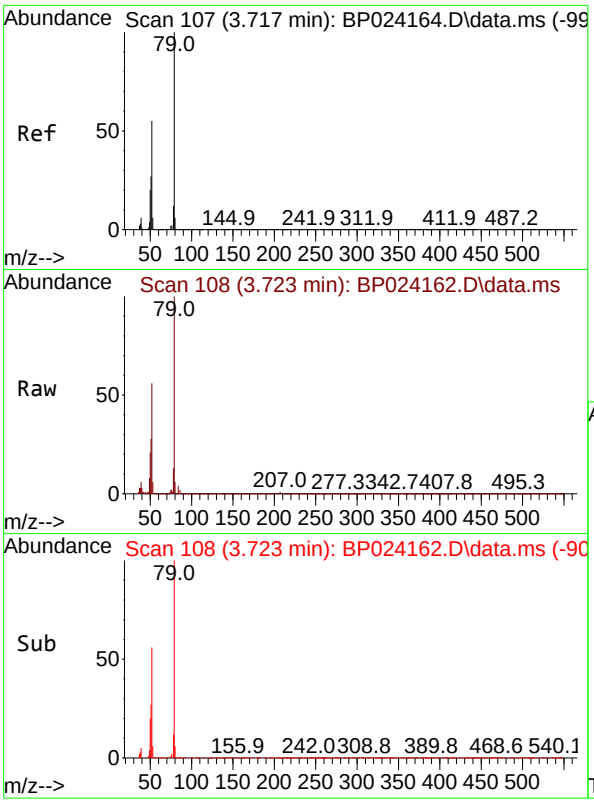




#2
1,4-Dioxane
Concen: 9.934 ng
RT: 3.323 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



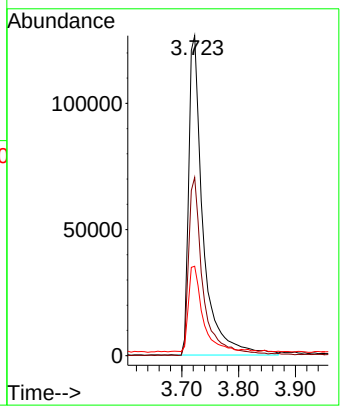


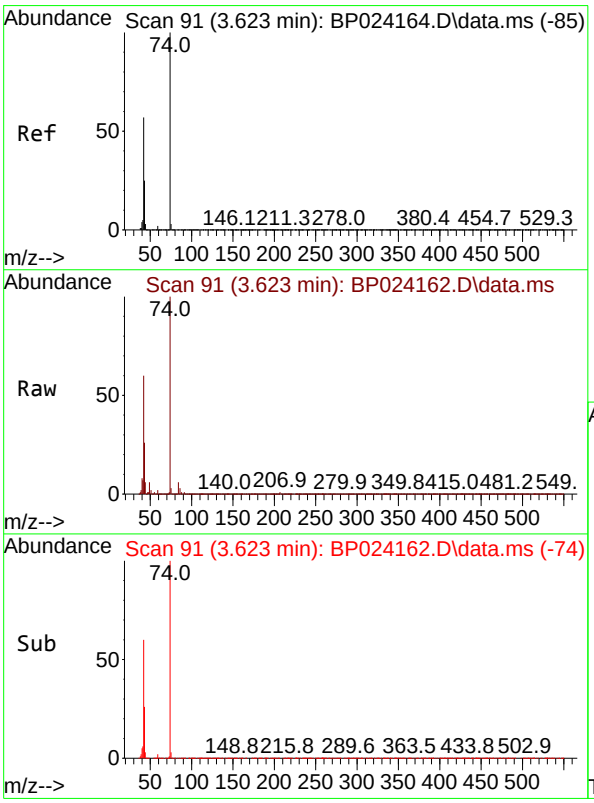

#3
Pyridine
Concen: 9.709 ng
RT: 3.723 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

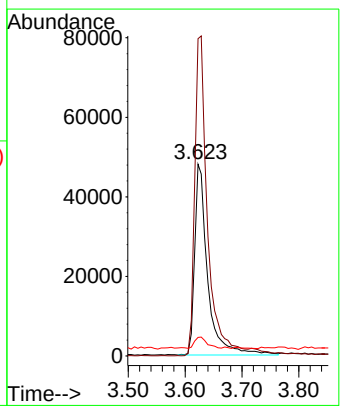


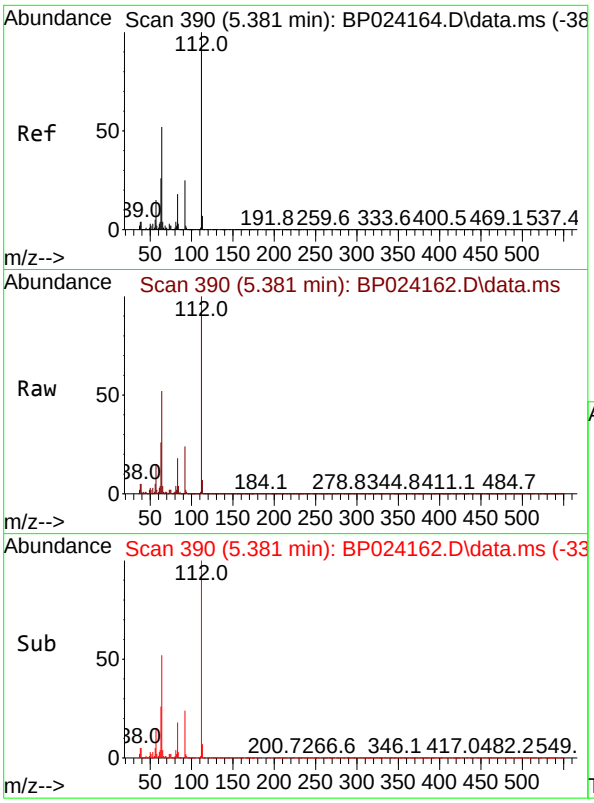




#4
n-Nitrosodimethylamine
Concen: 9.413 ng
RT: 3.623 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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# |



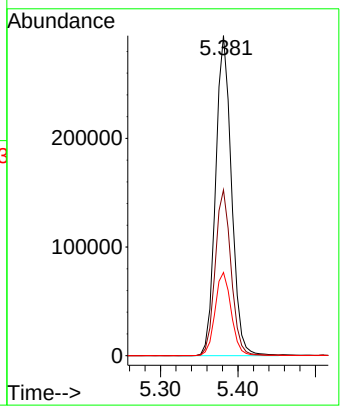


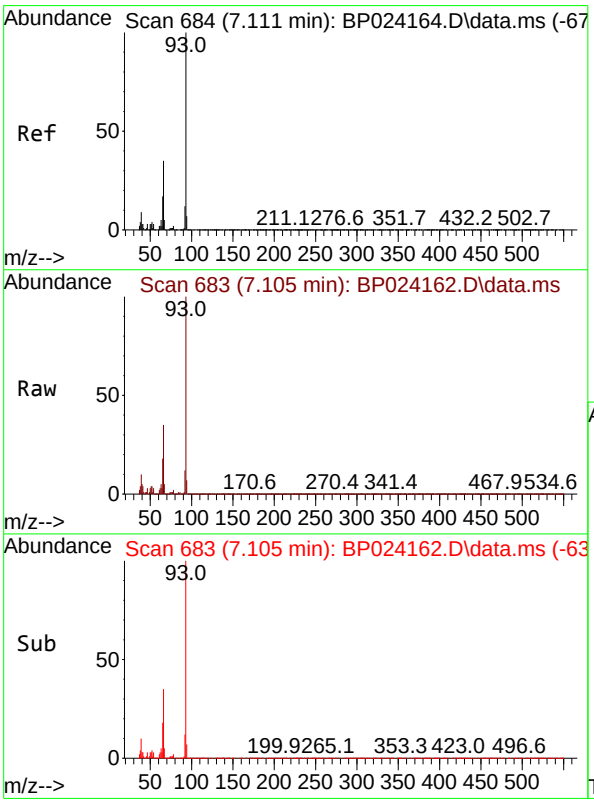

#5
2-Fluorophenol
Concen: 18.636 ng
RT: 5.381 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

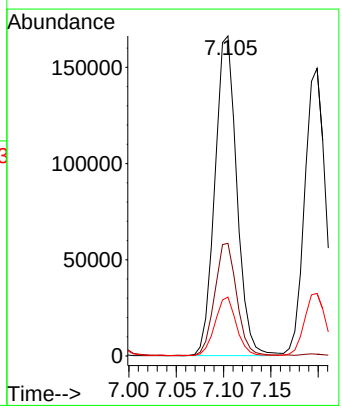


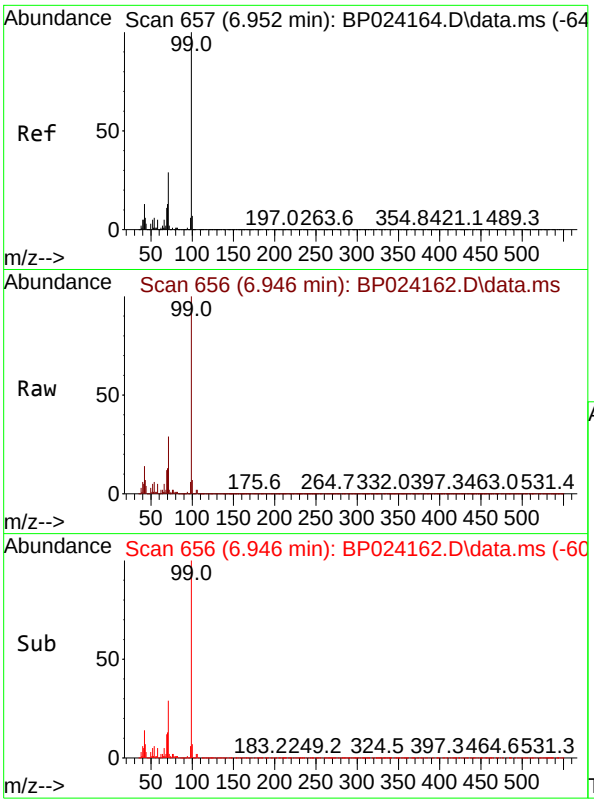




#6
Aniline
Concen: 10.145 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



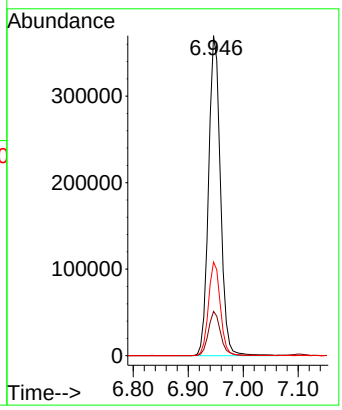


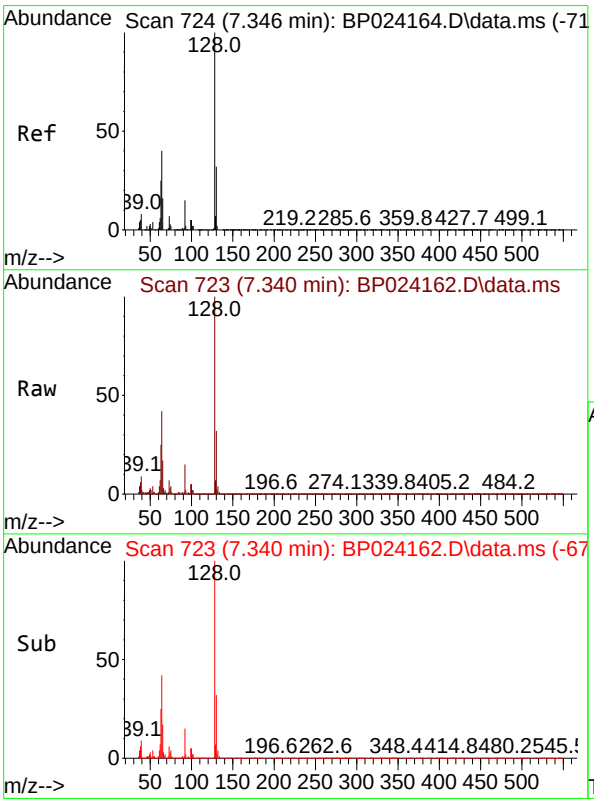

#7
Phenol-d6
Concen: 19.188 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

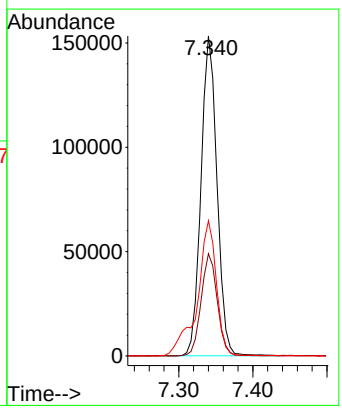


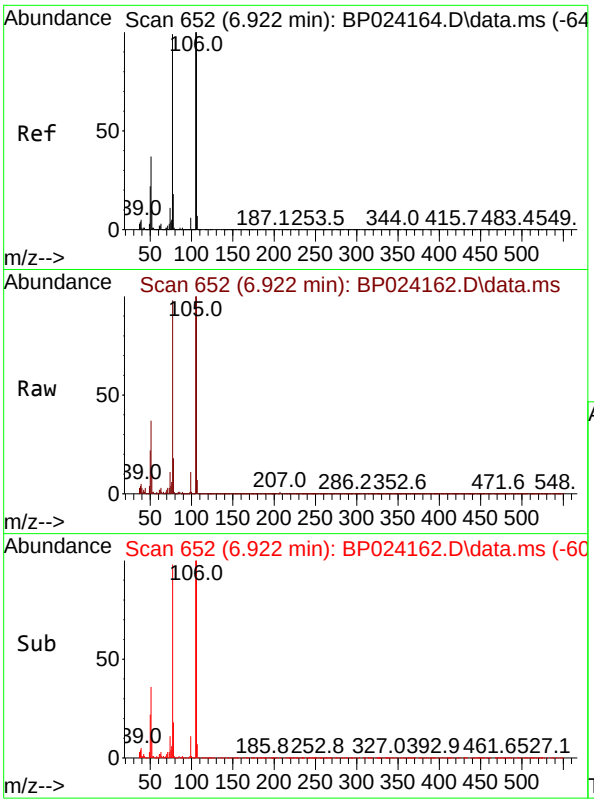




#8
2-Chlorophenol
Concen: 9.655 ng
RT: 7.340 min Scan# 723
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



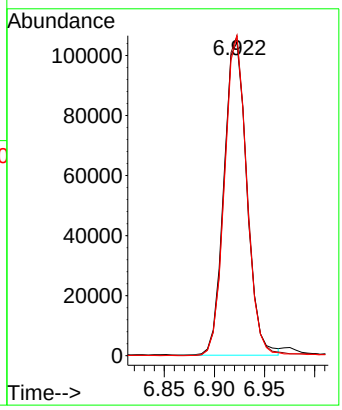


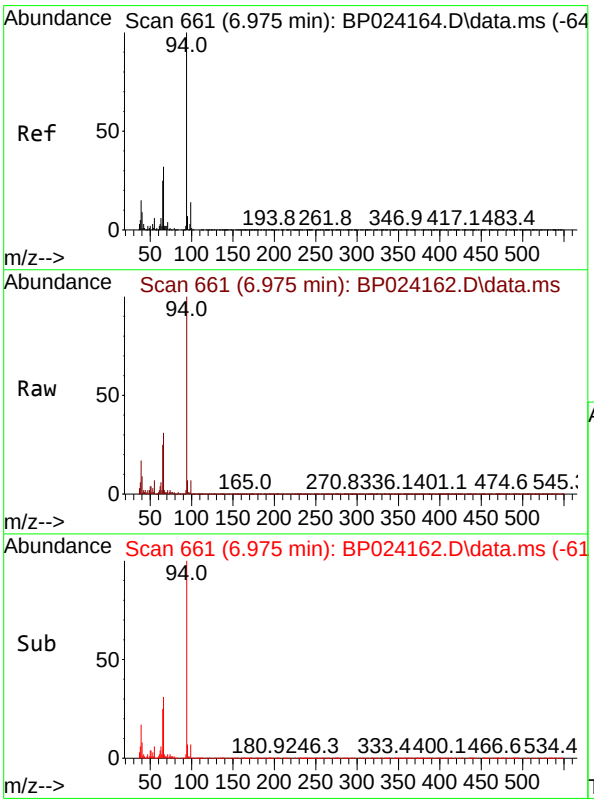

#9
Benzaldehyde
Concen: 12.620 ng
RT: 6.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

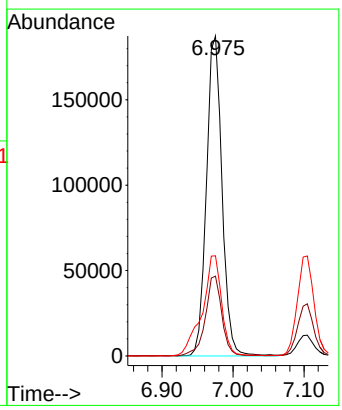


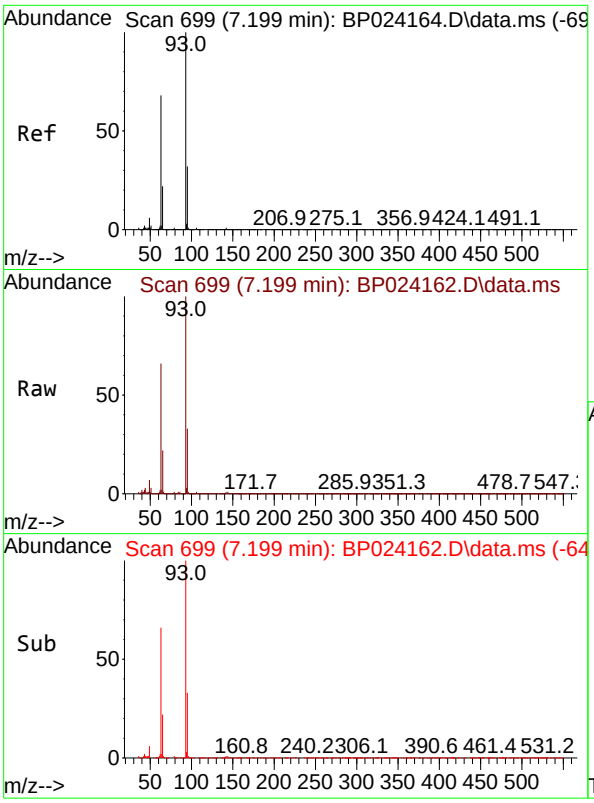




#10
Phenol
Concen: 9.849 ng
RT: 6.975 min Scan# 661
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



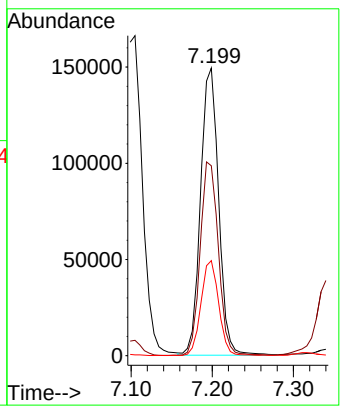


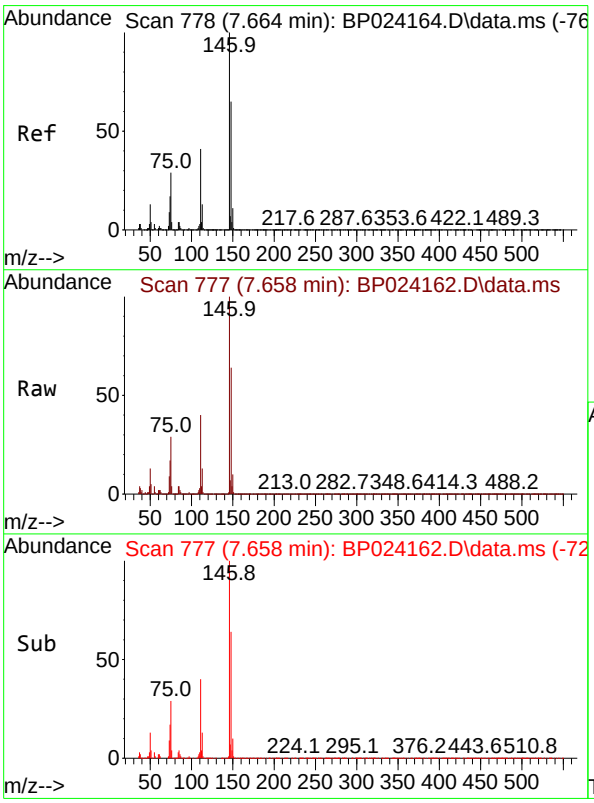

#11
bis(2-Chloroethyl)ether
Concen: 10.095 ng
RT: 7.199 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

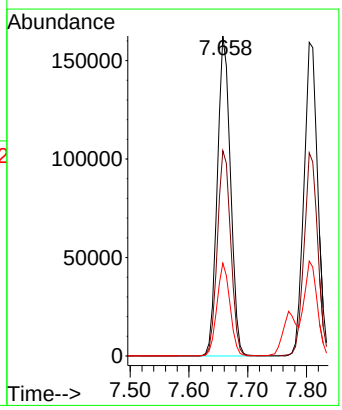


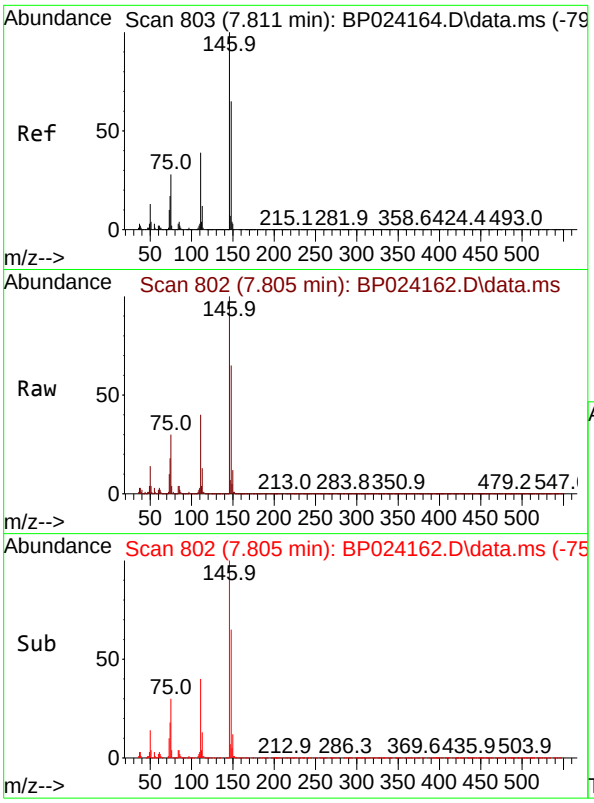




#12
1,3-Dichlorobenzene
Concen: 9.715 ng
RT: 7.658 min Scan# 777
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



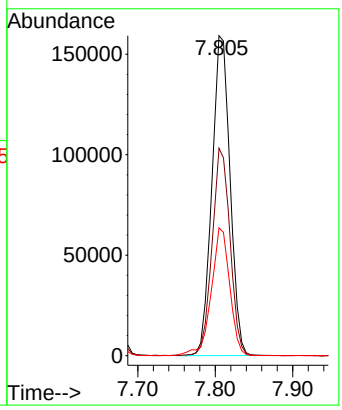


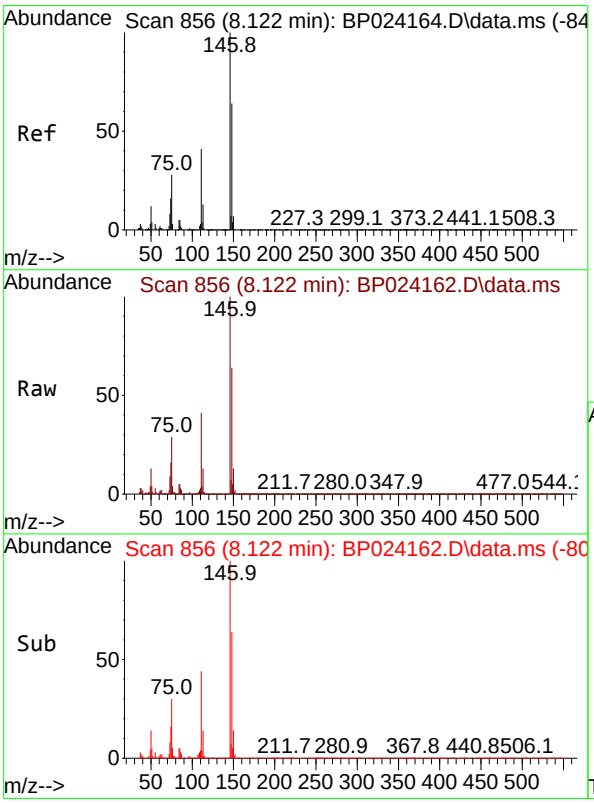

#13
1,4-Dichlorobenzene
Concen: 9.777 ng
RT: 7.805 min Scan# 8(
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

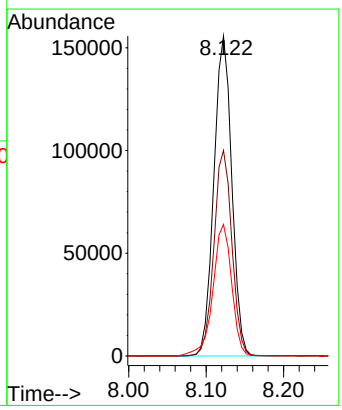


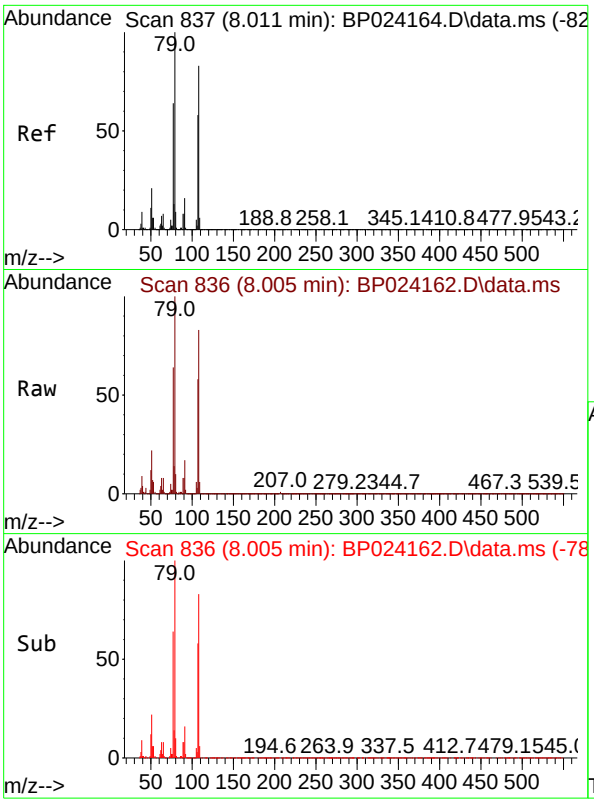




#14
1,2-Dichlorobenzene
Concen: 9.856 ng
RT: 8.122 min Scan# 856
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



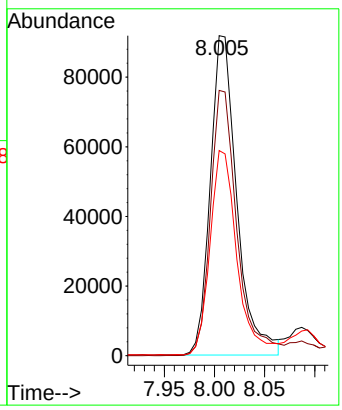


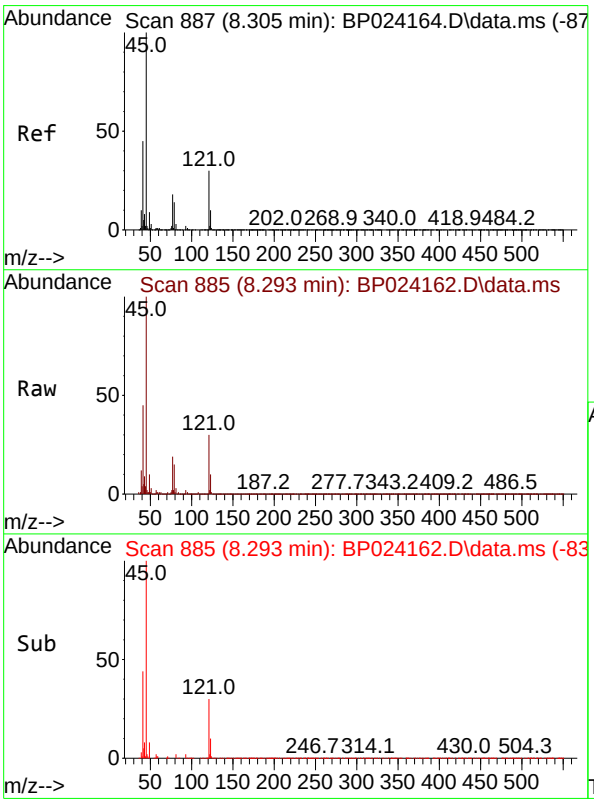

#15
Benzyl Alcohol
Concen: 9.584 ng
RT: 8.005 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

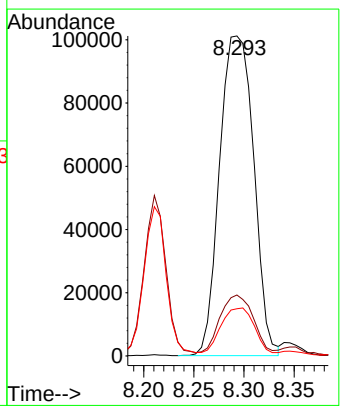


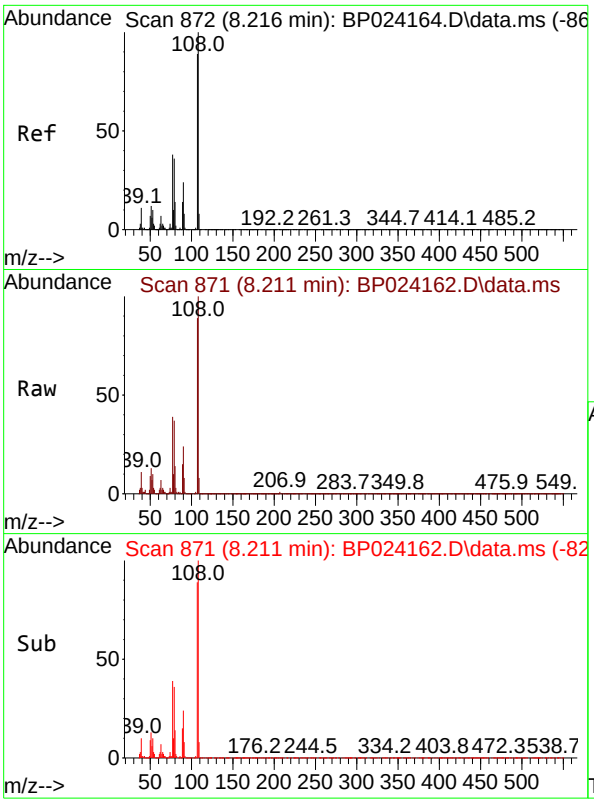




#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.794 ng
RT: 8.293 min Scan# 885
Delta R.T. -0.012 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



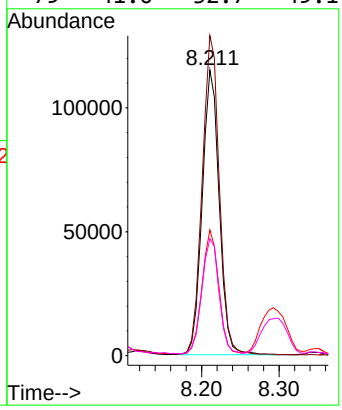


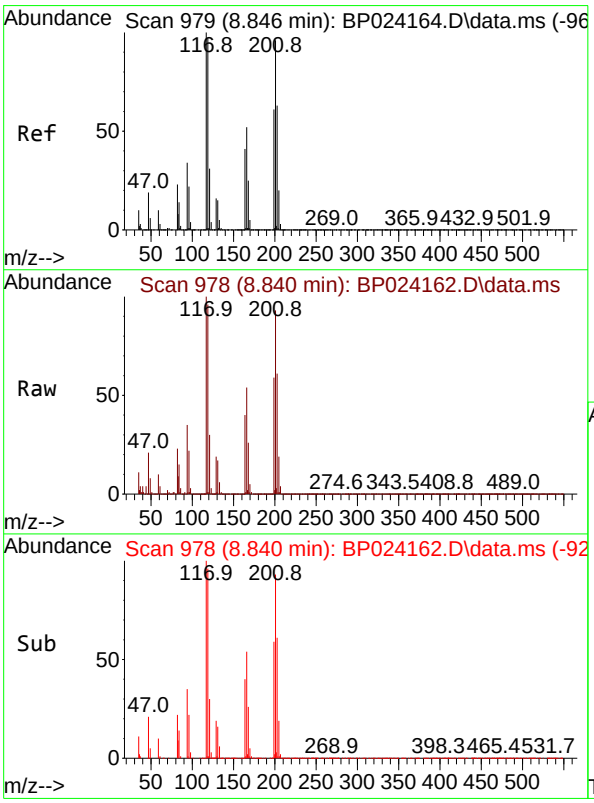

#17
2-Methylphenol
Concen: 9.876 ng
RT: 8.211 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

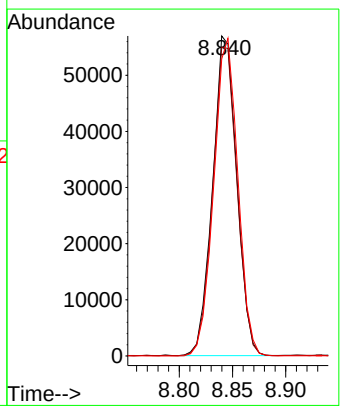


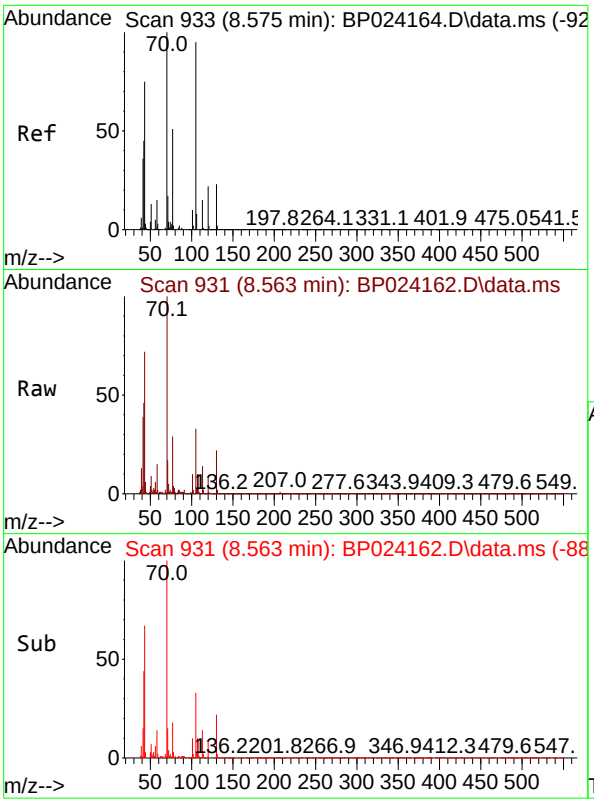




#18
Hexachloroethane
Concen: 9.439 ng
RT: 8.840 min Scan# 978
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



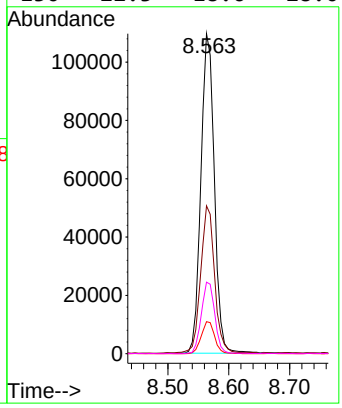


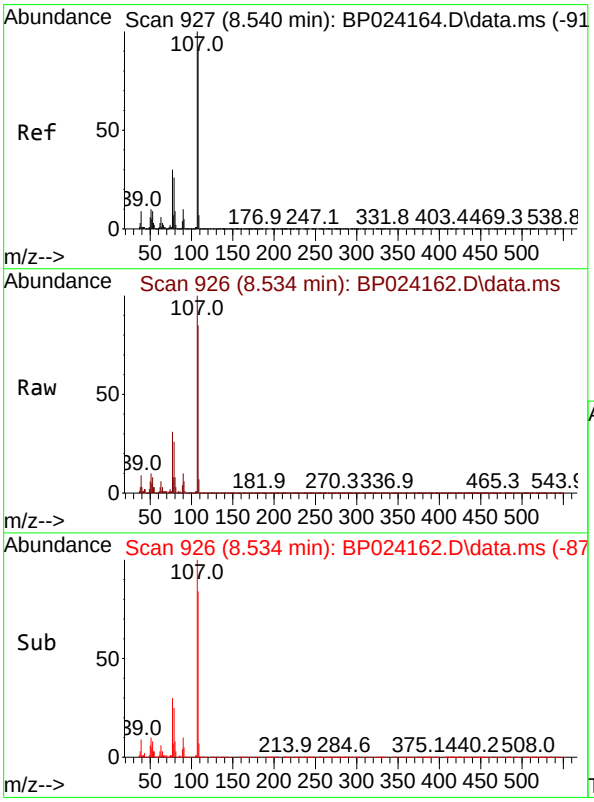

#19
n-Nitroso-di-n-propylamine
Concen: 10.797 ng
RT: 8.563 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

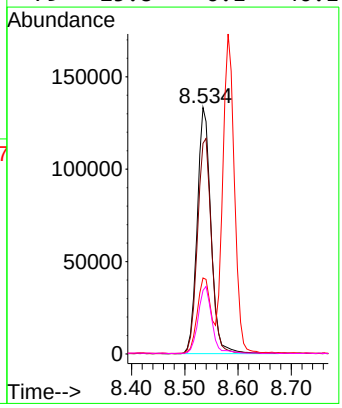


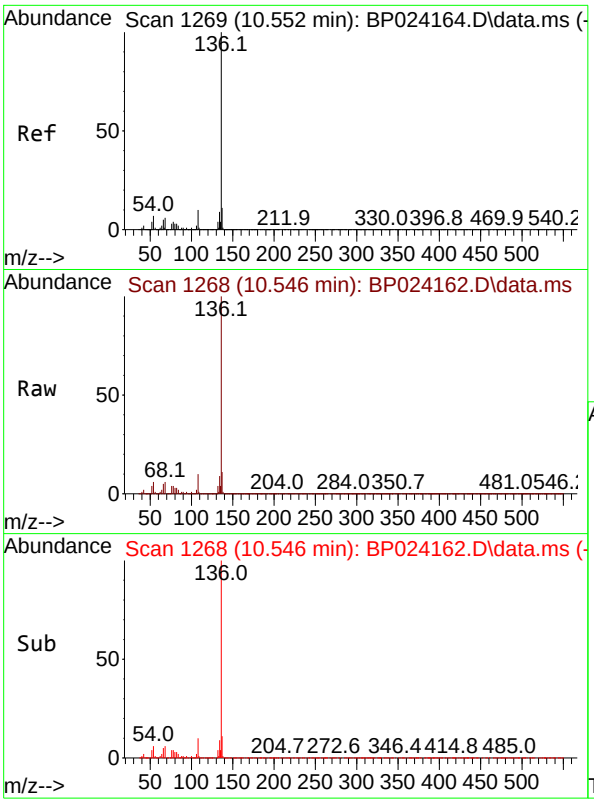




#20
3+4-Methylphenols
Concen: 9.906 ng
RT: 8.534 min Scan# 926
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



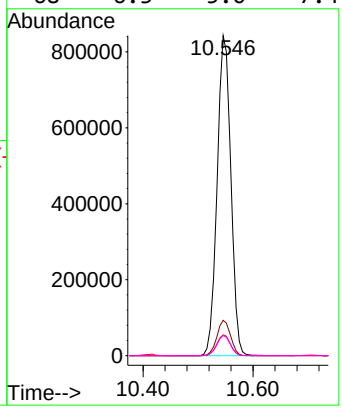


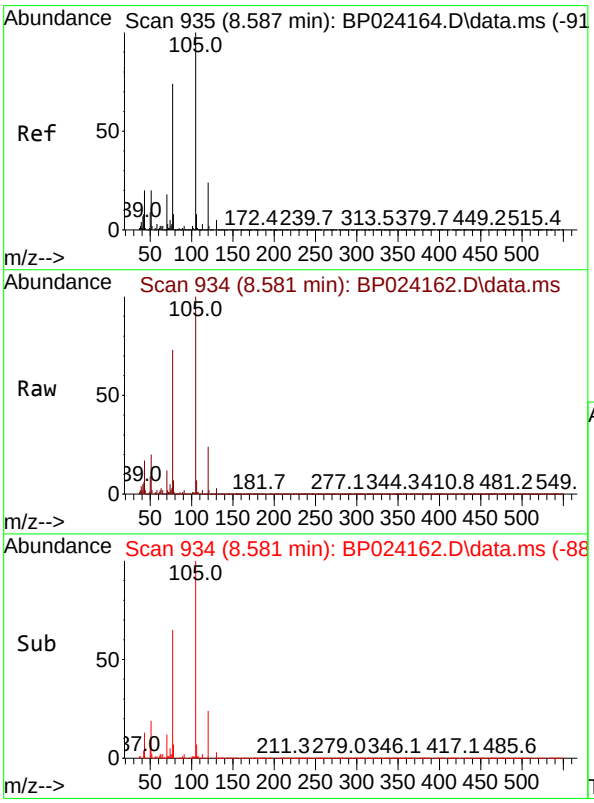

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.546 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

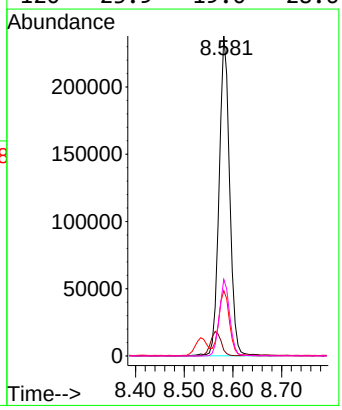


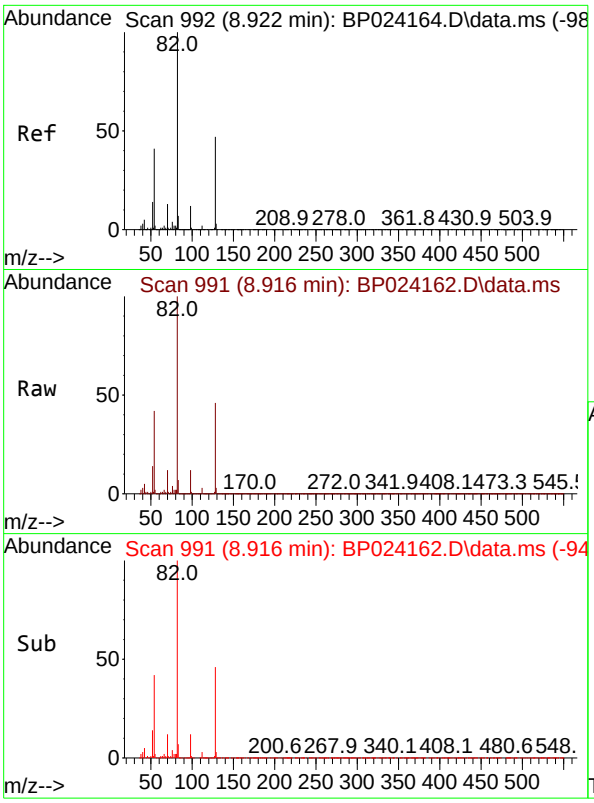




#22
Acetophenone
Concen: 9.536 ng
RT: 8.581 min Scan# 934
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



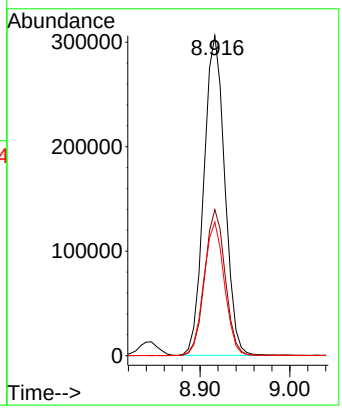


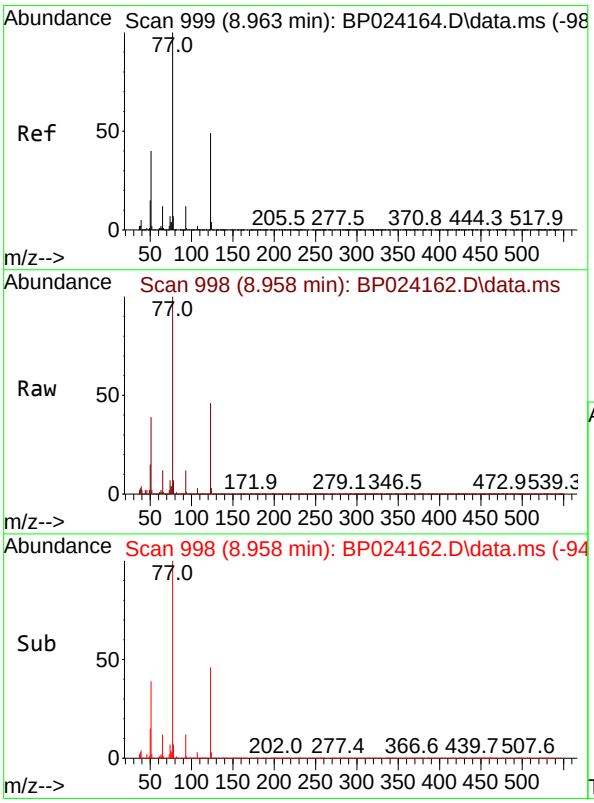

#23
Nitrobenzene-d5
Concen: 18.856 ng
RT: 8.916 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

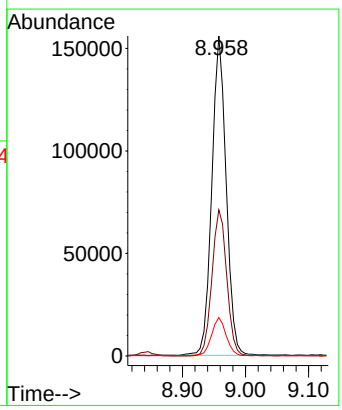


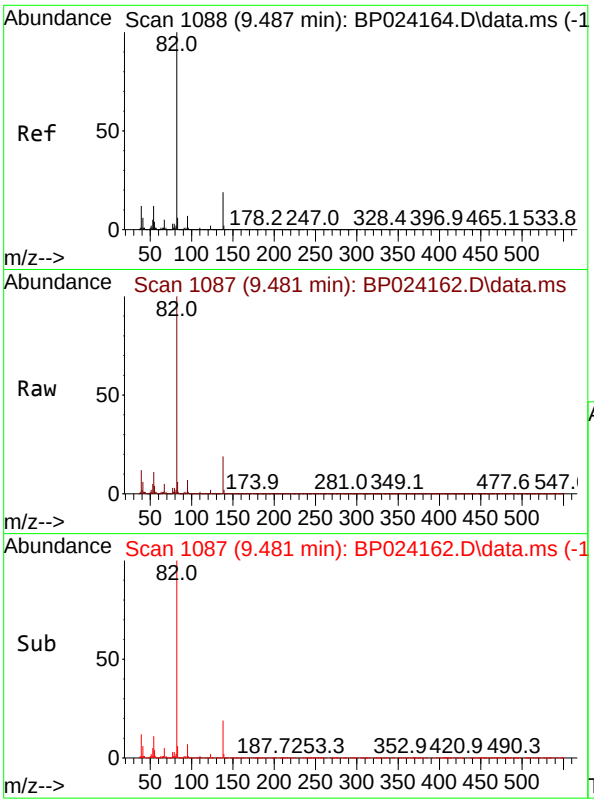




#24
Nitrobenzene
Concen: 9.536 ng
RT: 8.958 min Scan# 998
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



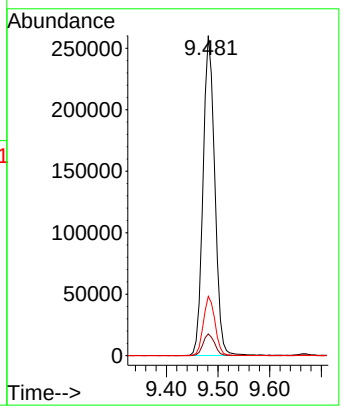


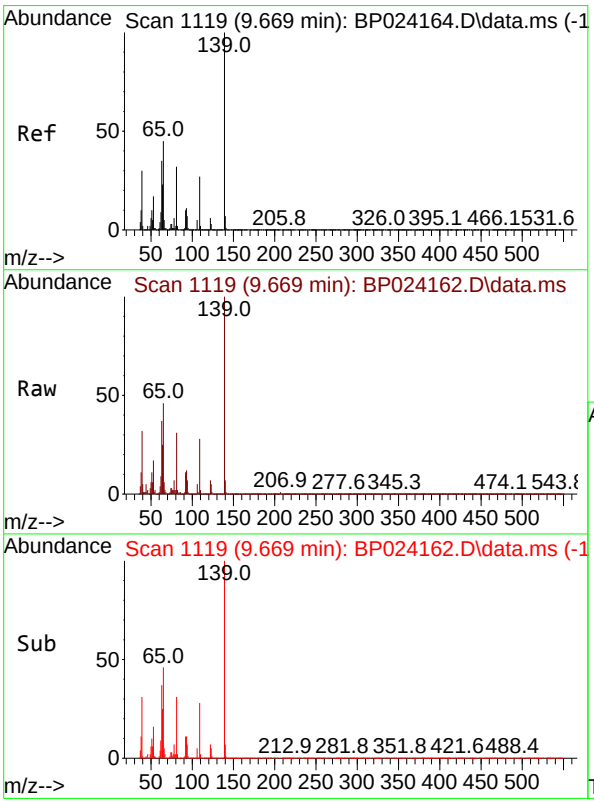

#25
Isophorone
Concen: 9.590 ng
RT: 9.481 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

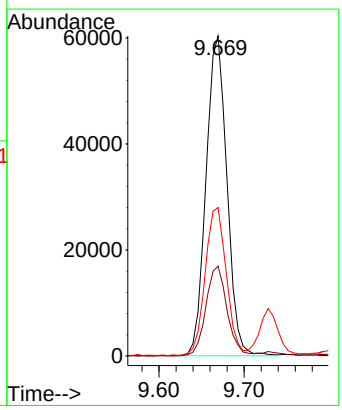


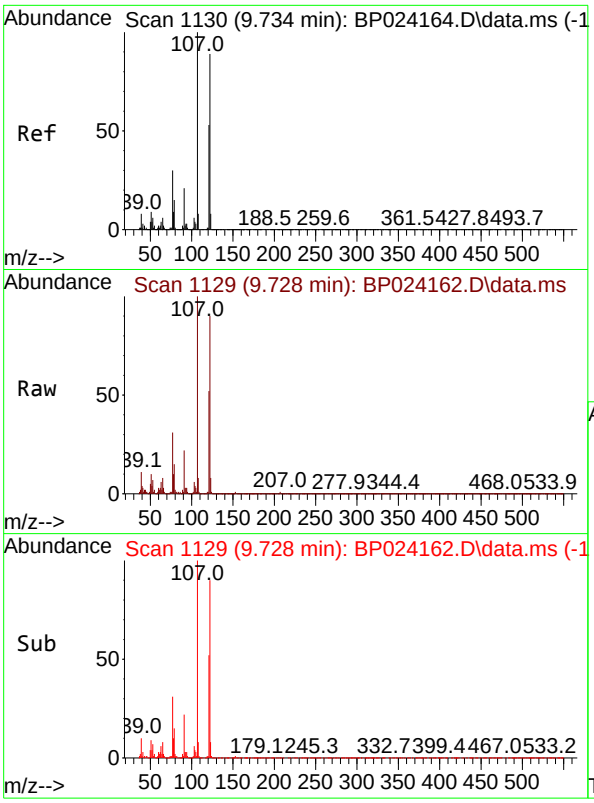




#26
2-Nitrophenol
Concen: 8.692 ng
RT: 9.669 min Scan# 1119
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



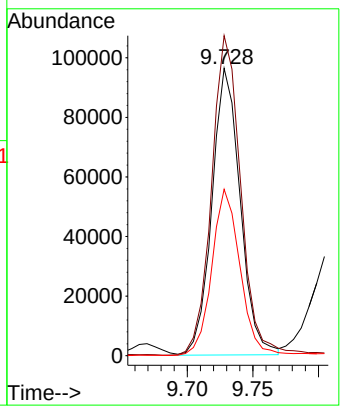


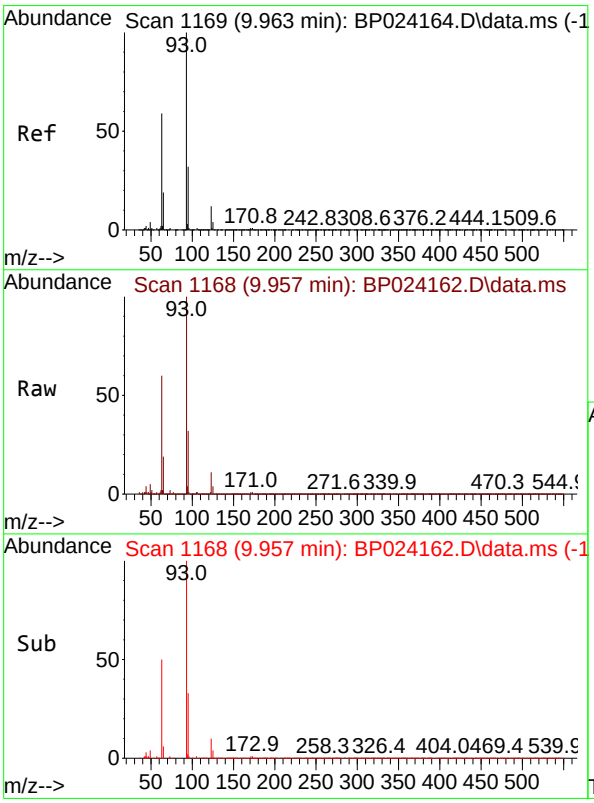

#27
2,4-Dimethylphenol
Concen: 9.265 ng
RT: 9.728 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

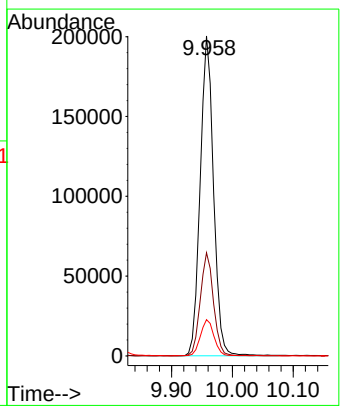


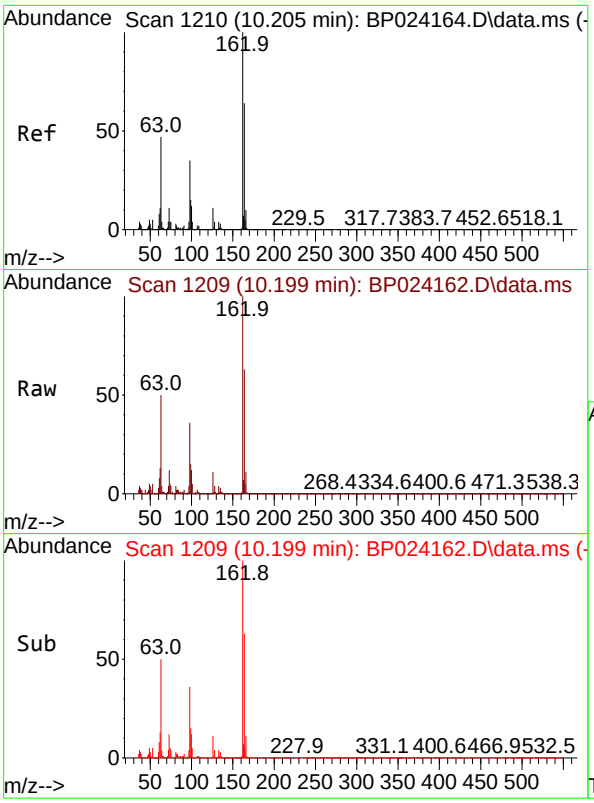




#28
bis(2-Chloroethoxy)methane
Concen: 9.838 ng
RT: 9.957 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



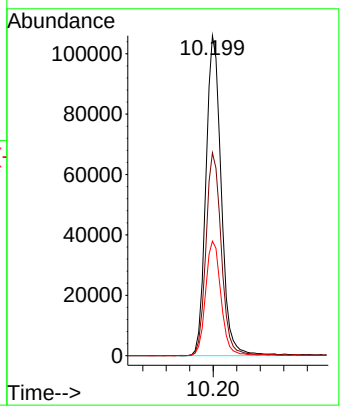


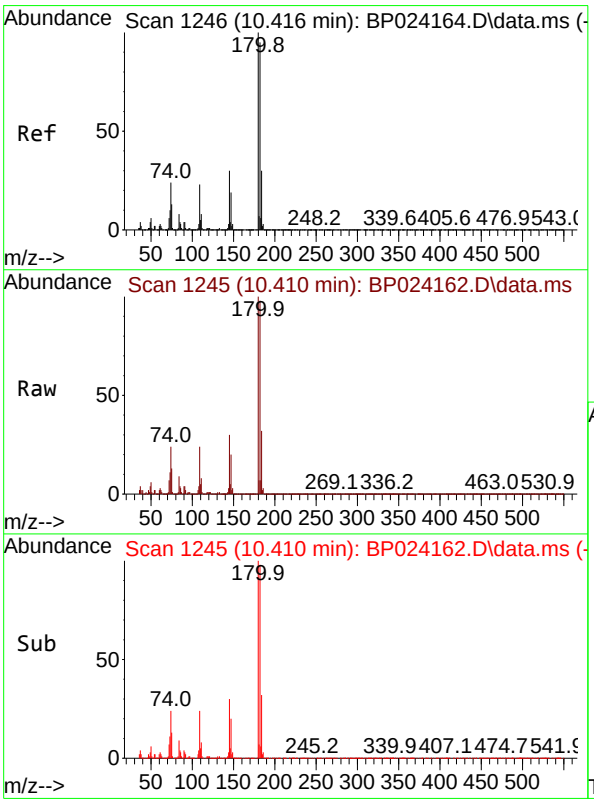

#29
2,4-Dichlorophenol
Concen: 9.046 ng
RT: 10.199 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

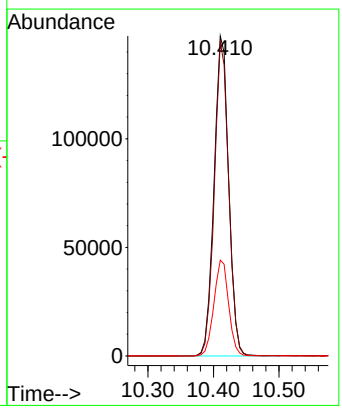


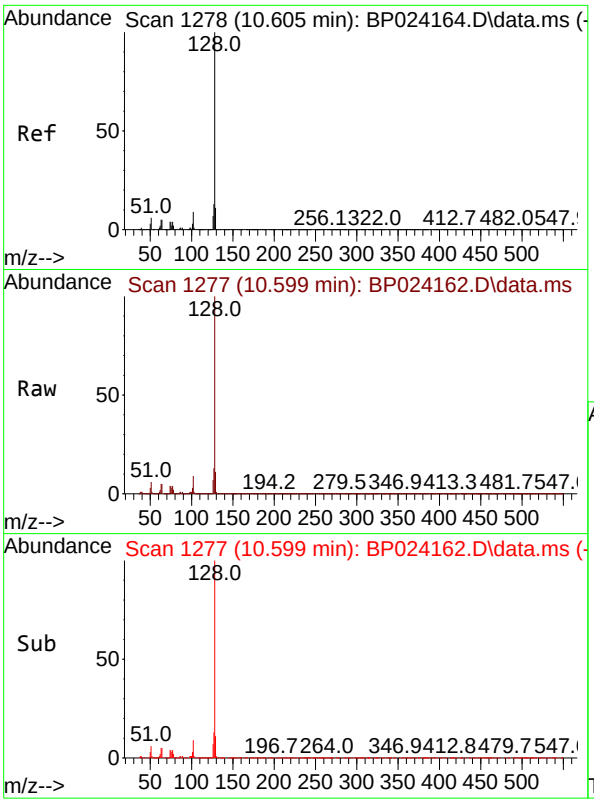




#30
1,2,4-Trichlorobenzene
Concen: 9.355 ng
RT: 10.410 min Scan# 1245
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



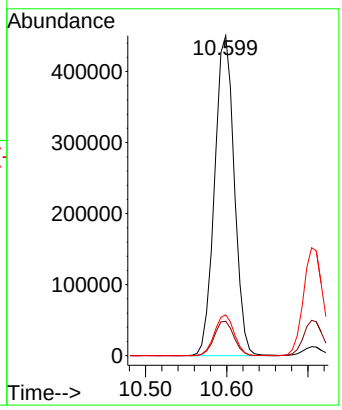


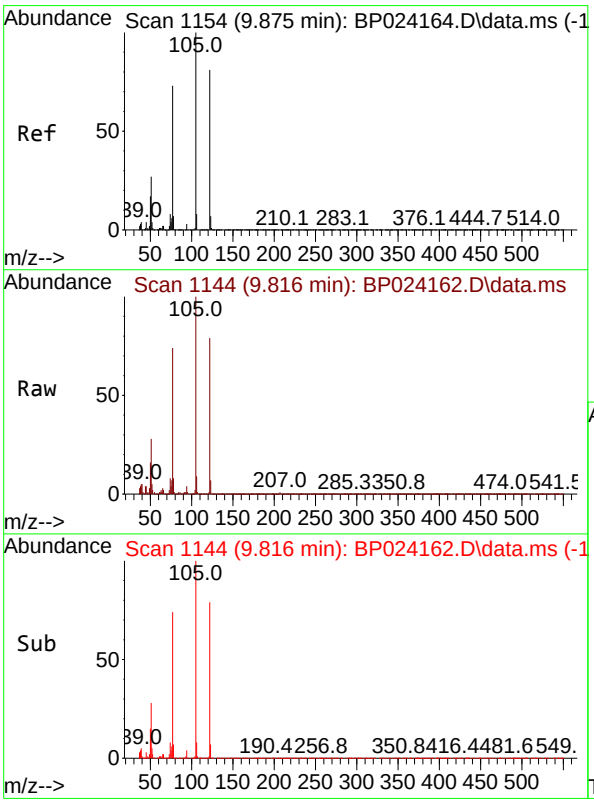

#31
Naphthalene
Concen: 9.642 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

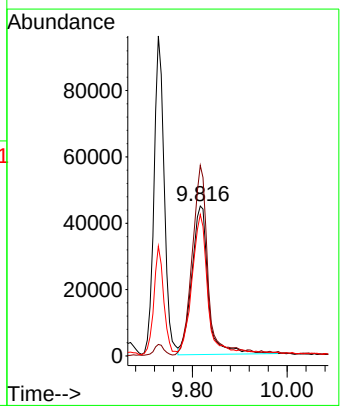


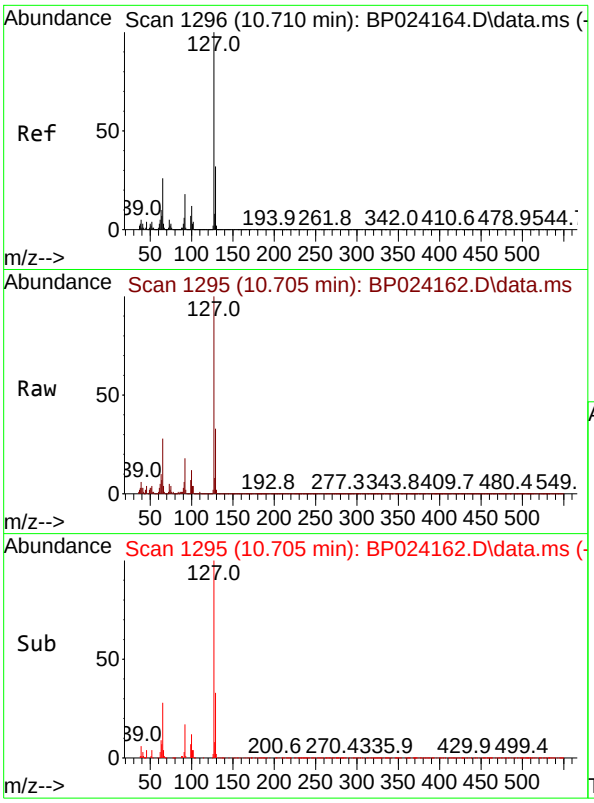




#32
Benzoic acid
Concen: 7.587 ng
RT: 9.816 min Scan# 1144
Delta R.T. -0.059 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



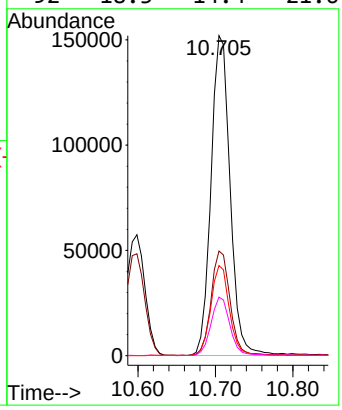


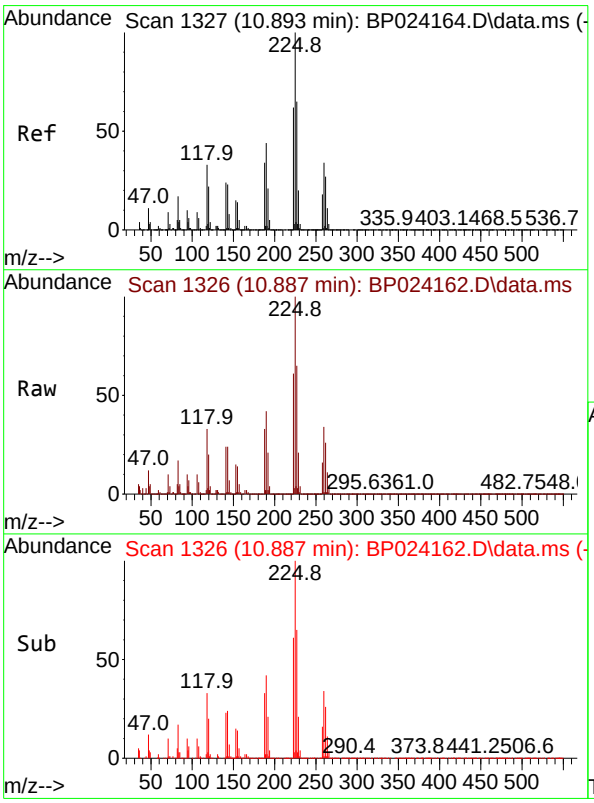

#33
4-Chloroaniline
Concen: 9.404 ng
RT: 10.705 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

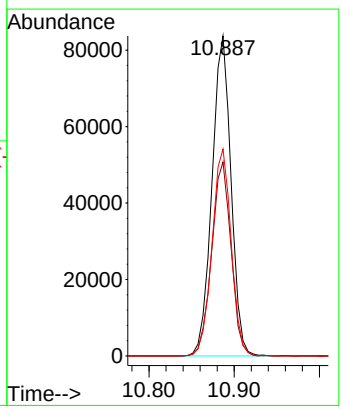


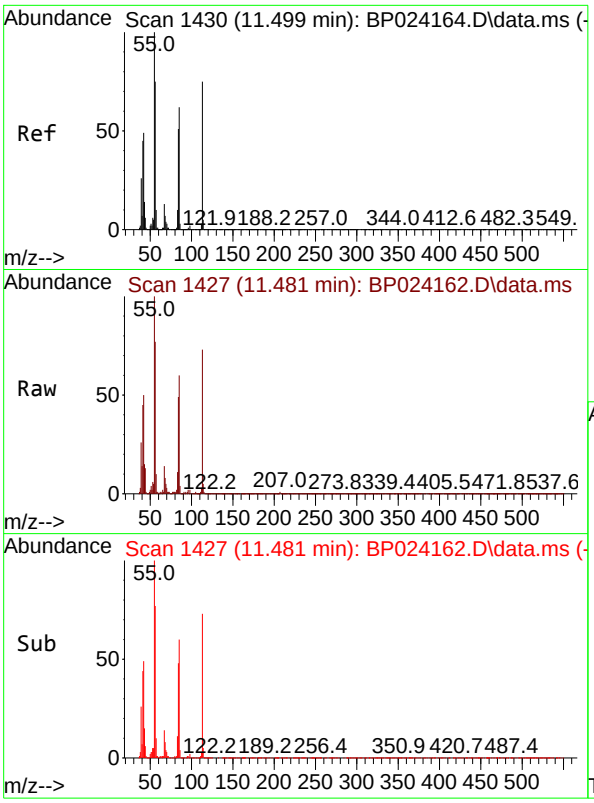




#34
Hexachlorobutadiene
Concen: 9.224 ng
RT: 10.887 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



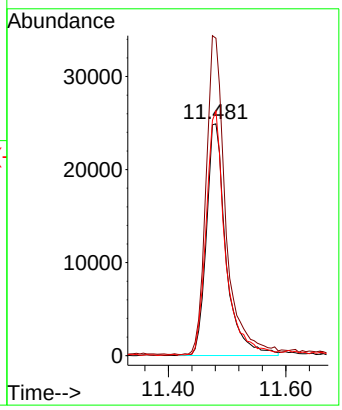


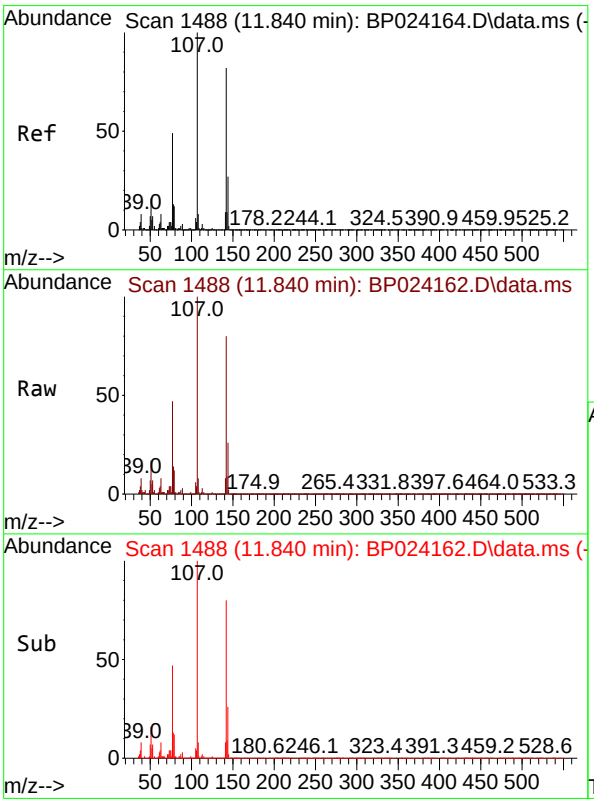

#35
Caprolactam
Concen: 8.931 ng
RT: 11.481 min Scan# 14
Delta R.T. -0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

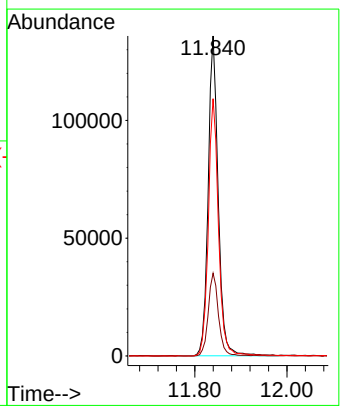


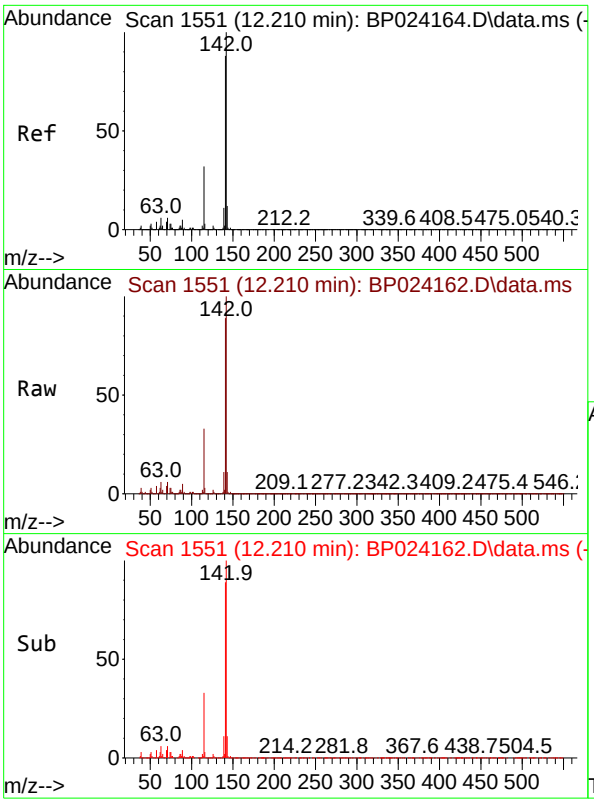




#36
4-Chloro-3-methylphenol
Concen: 9.462 ng
RT: 11.840 min Scan# 1488
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



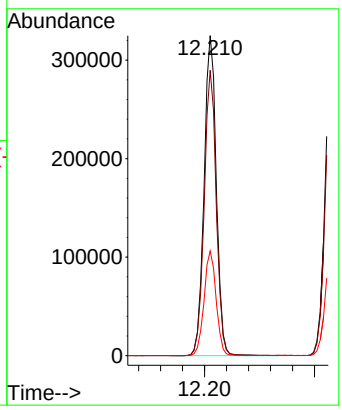


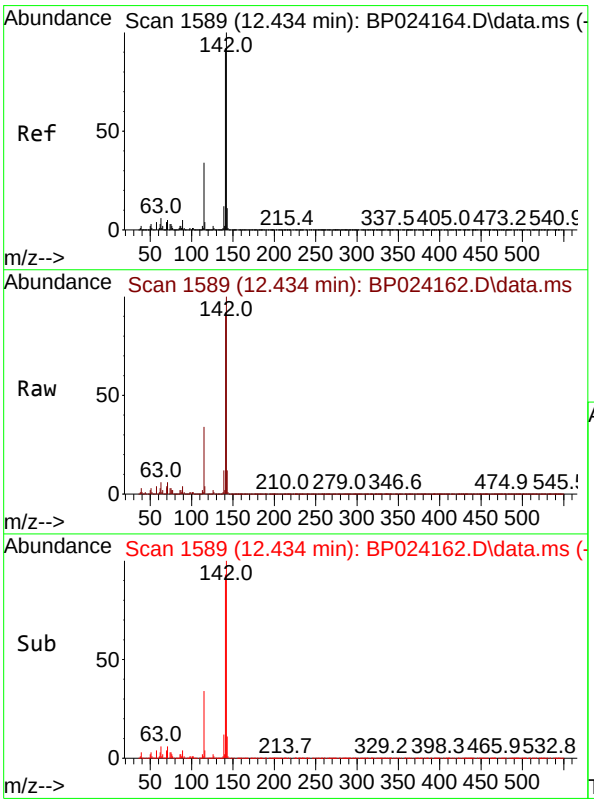

#37
2-Methylnaphthalene
Concen: 9.564 ng
RT: 12.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

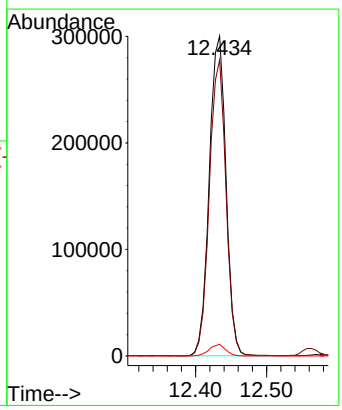


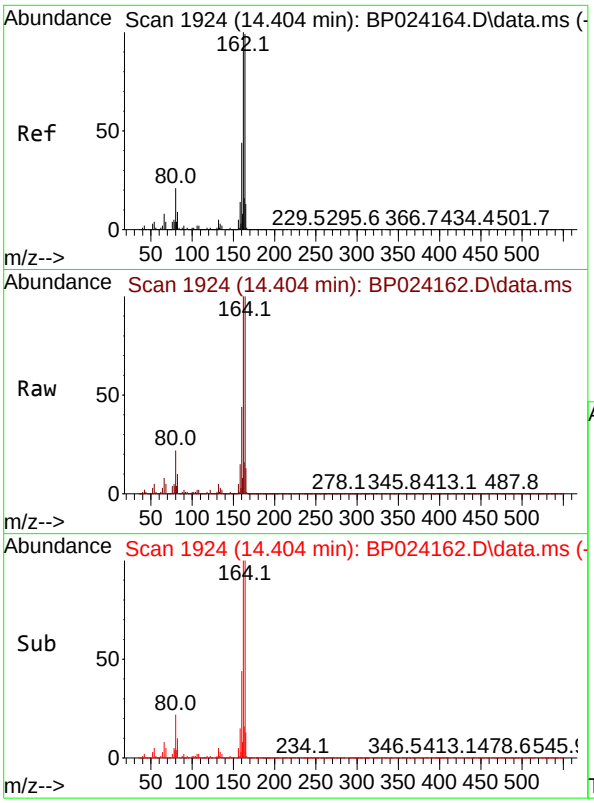




#38
1-Methylnaphthalene
Concen: 9.680 ng
RT: 12.434 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



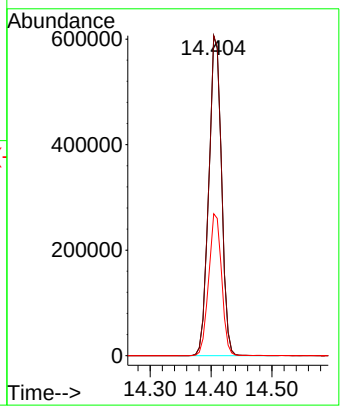


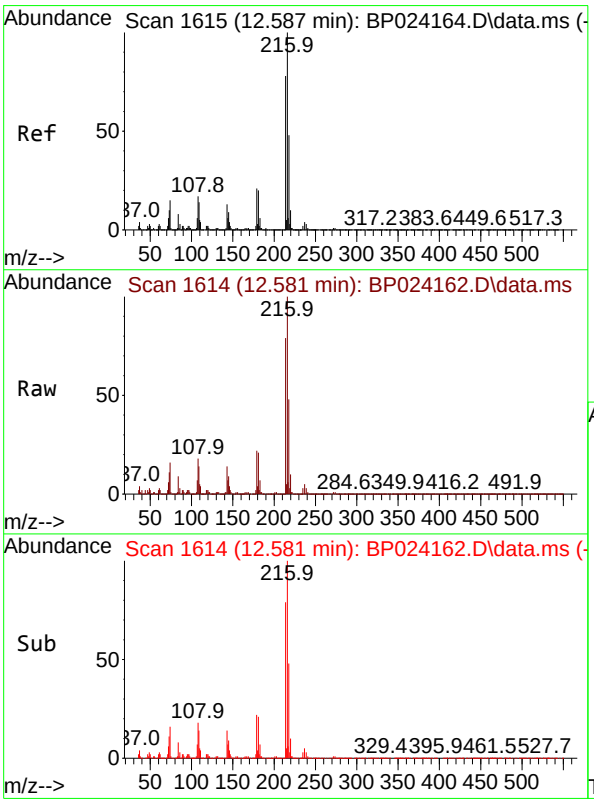

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

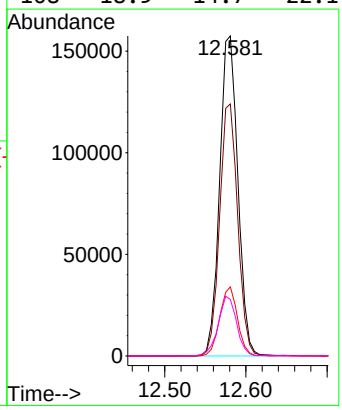


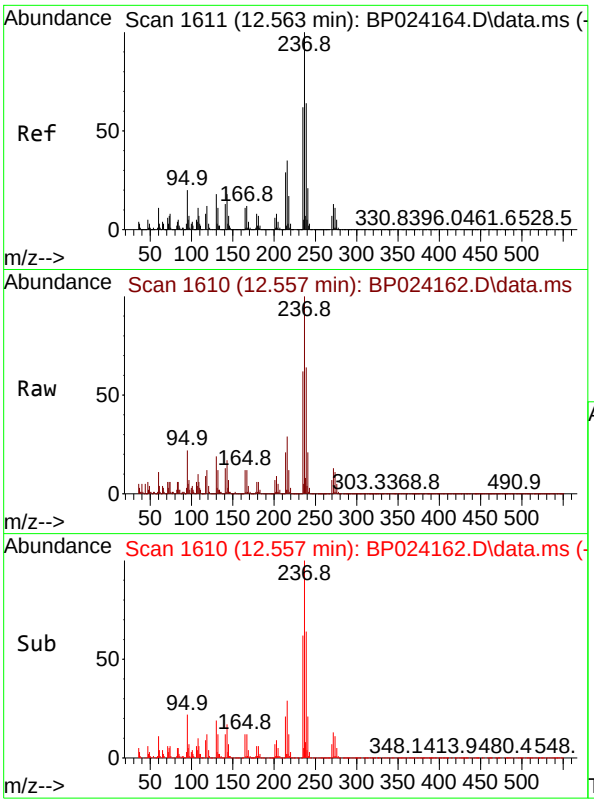




#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.116 ng
RT: 12.581 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



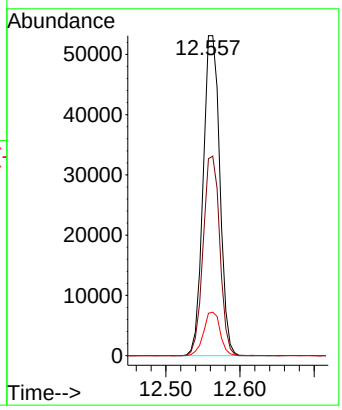


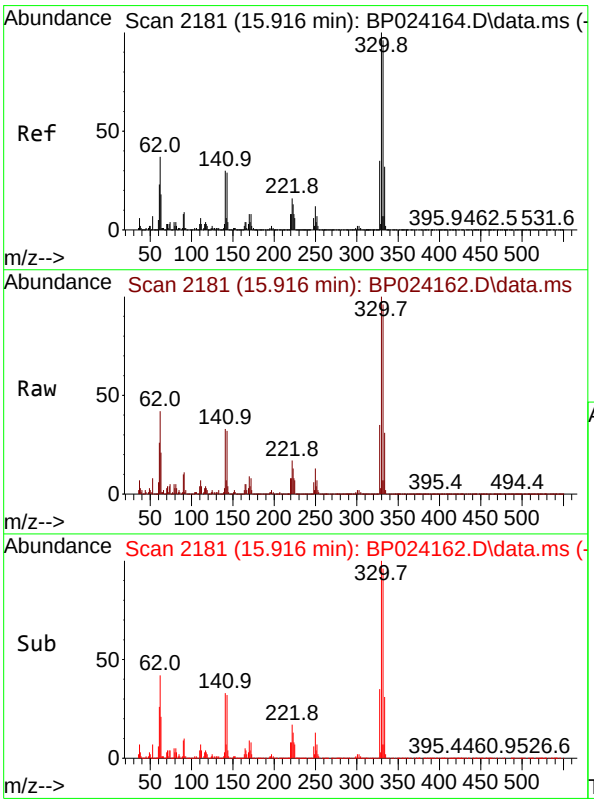

#41
Hexachlorocyclopentadiene
Concen: 8.245 ng
RT: 12.557 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

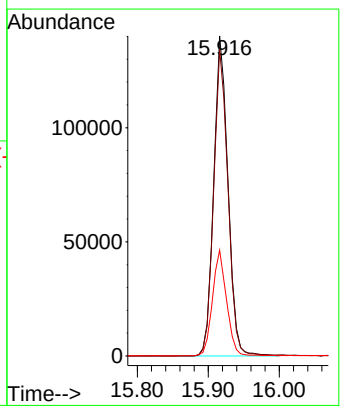


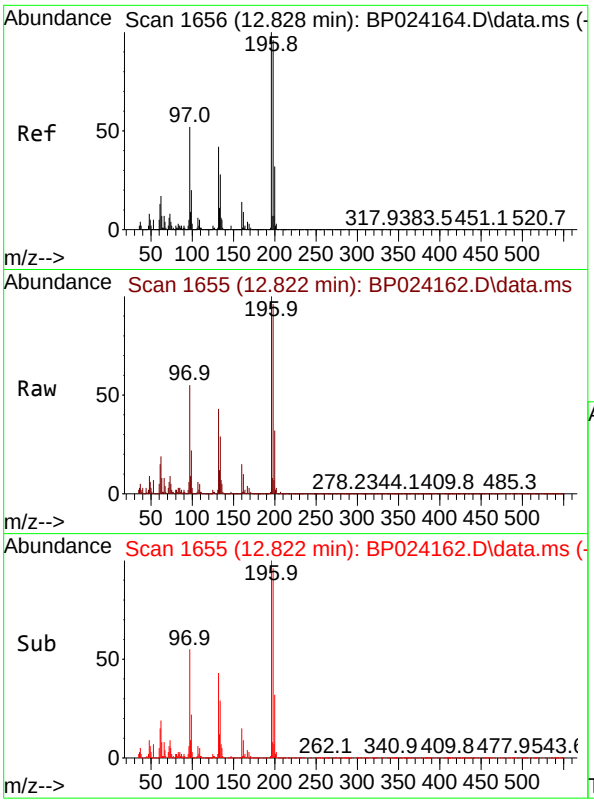




#42
2,4,6-Tribromophenol
Concen: 18.161 ng
RT: 15.916 min Scan# 2181
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



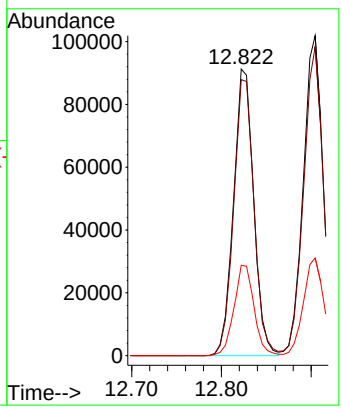


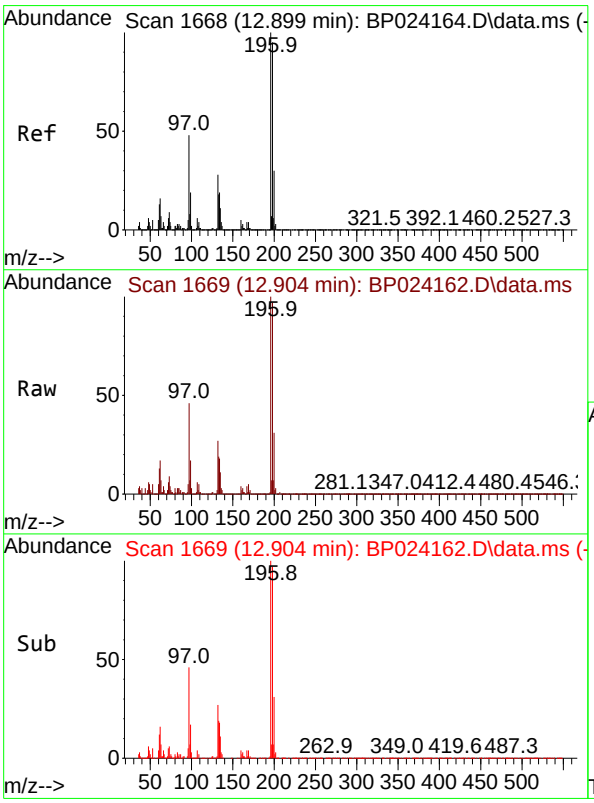

#43
2,4,6-Trichlorophenol
Concen: 8.649 ng
RT: 12.822 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

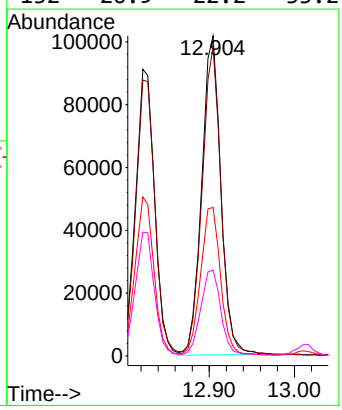


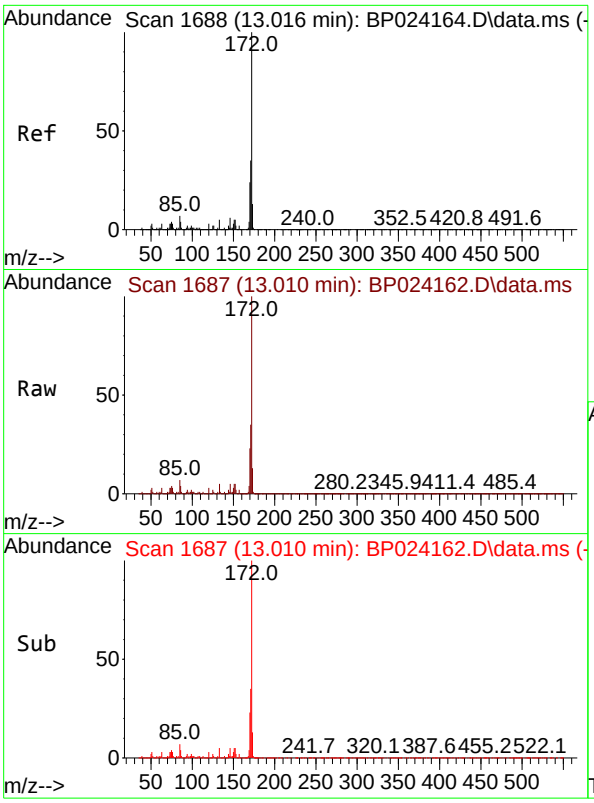




#44
2,4,5-Trichlorophenol
Concen: 8.841 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



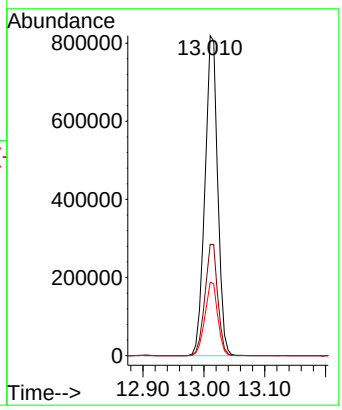


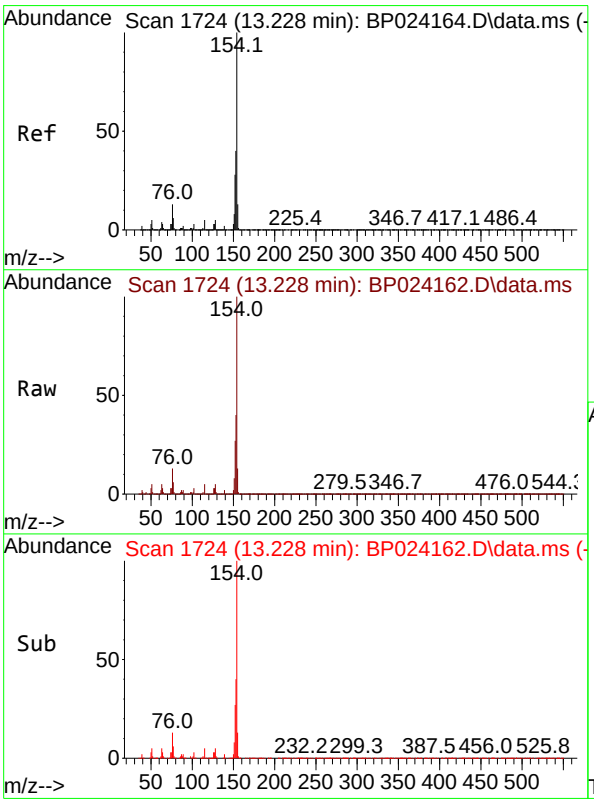

#45
2-Fluorobiphenyl
Concen: 18.984 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

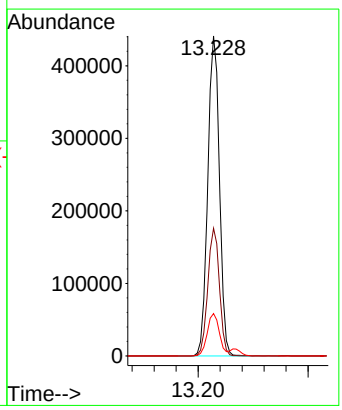


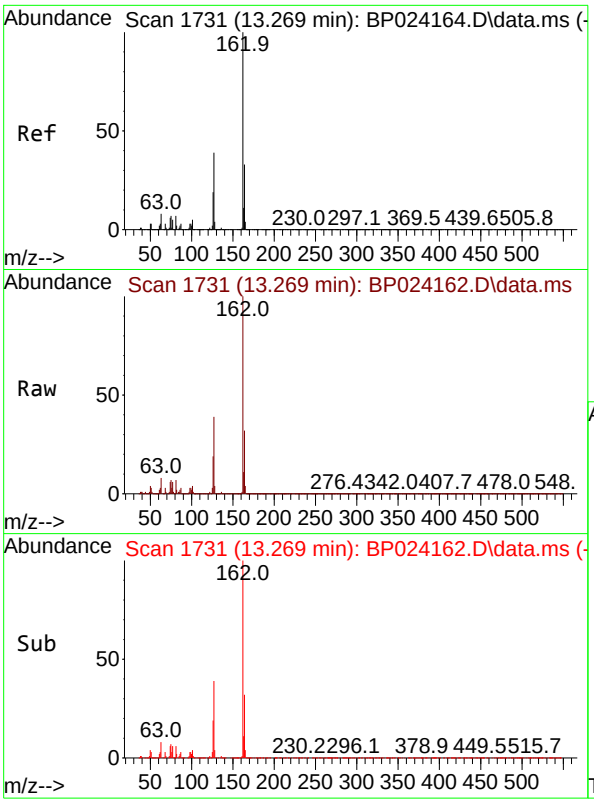




#46
1,1'-Biphenyl
Concen: 9.494 ng
RT: 13.228 min Scan# 1724
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



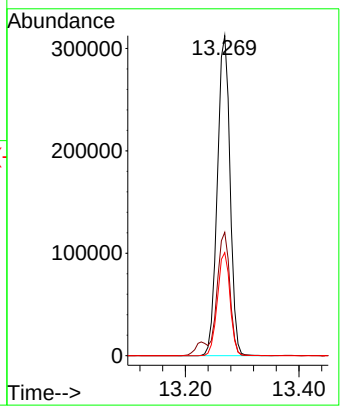


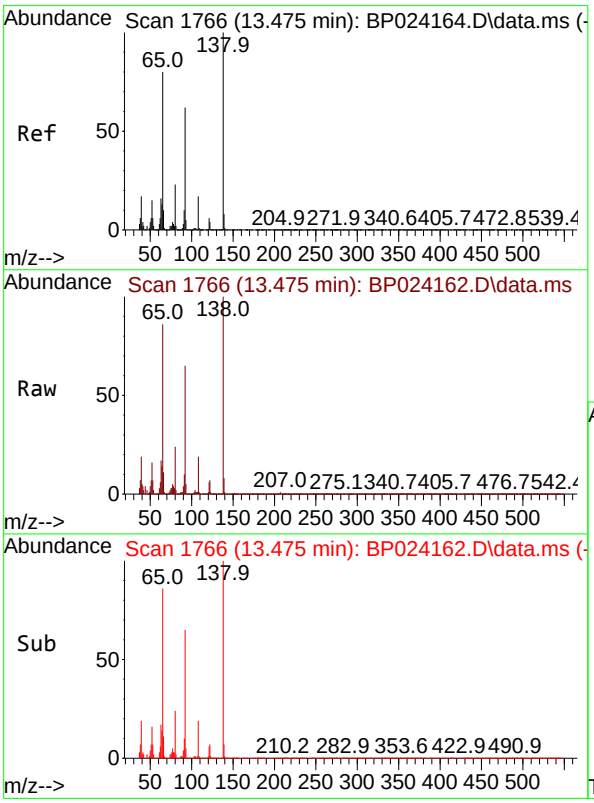

#47
2-Chloronaphthalene
Concen: 9.365 ng
RT: 13.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

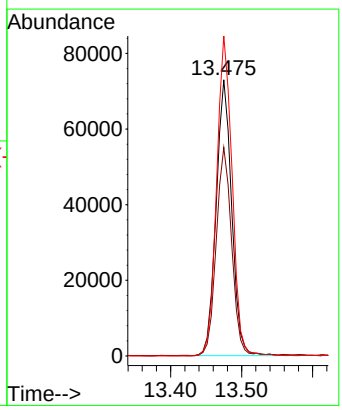


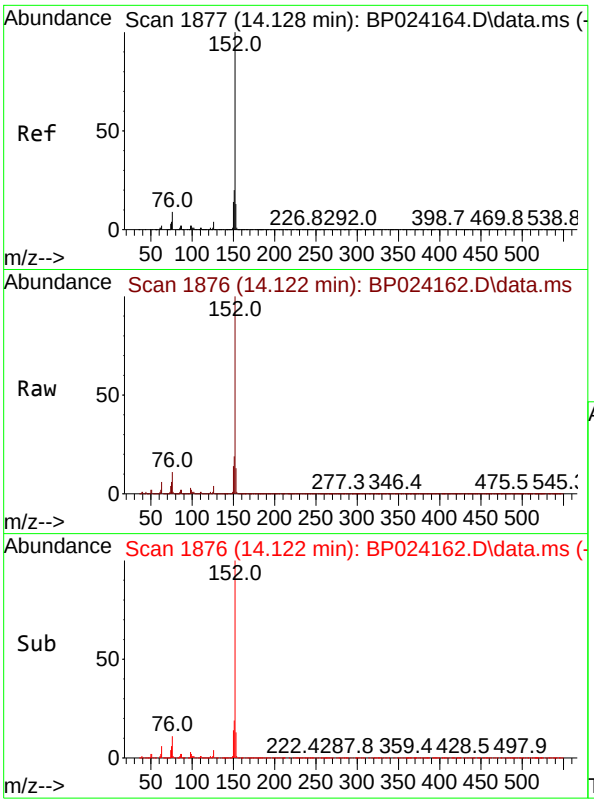




#48
2-Nitroaniline
Concen: 9.079 ng
RT: 13.475 min Scan# 1766
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



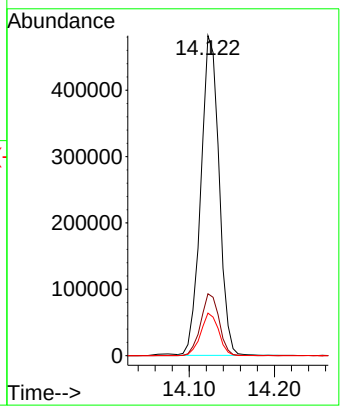


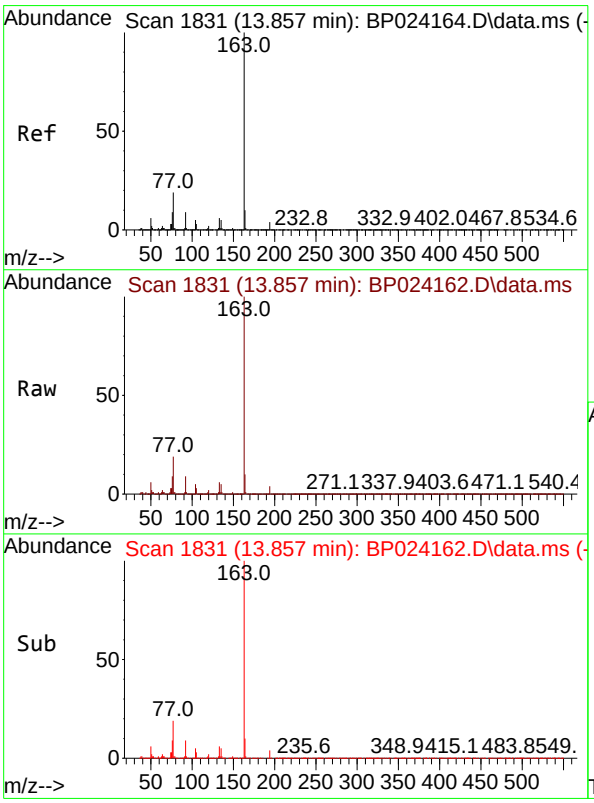

#49
Acenaphthylene
Concen: 9.405 ng
RT: 14.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

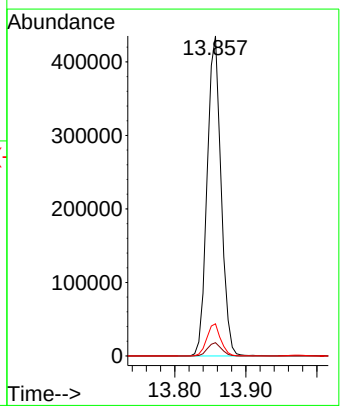


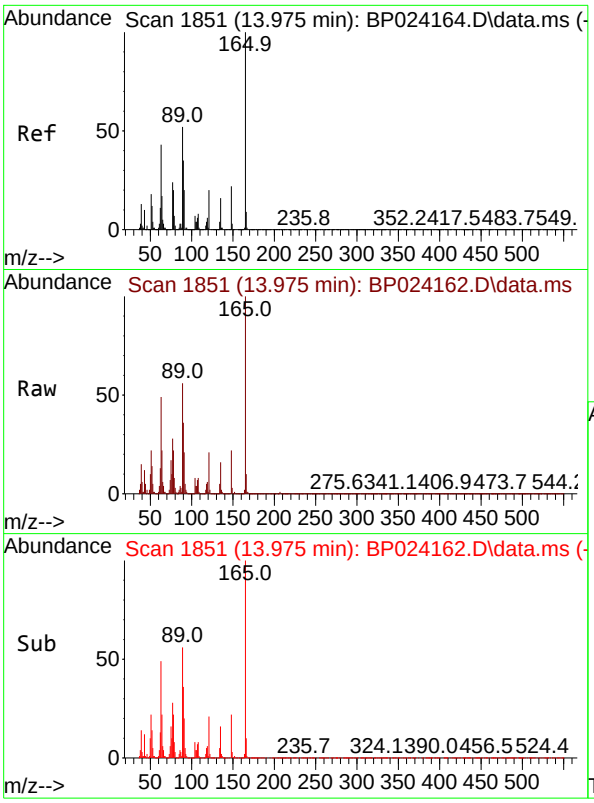




#50
Dimethylphthalate
Concen: 9.563 ng
RT: 13.857 min Scan# 1831
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



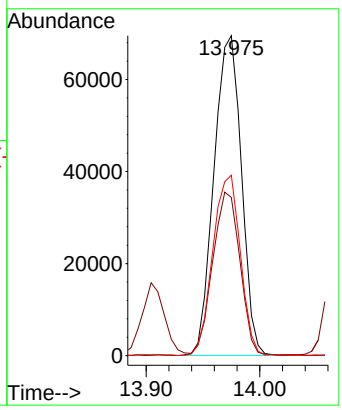


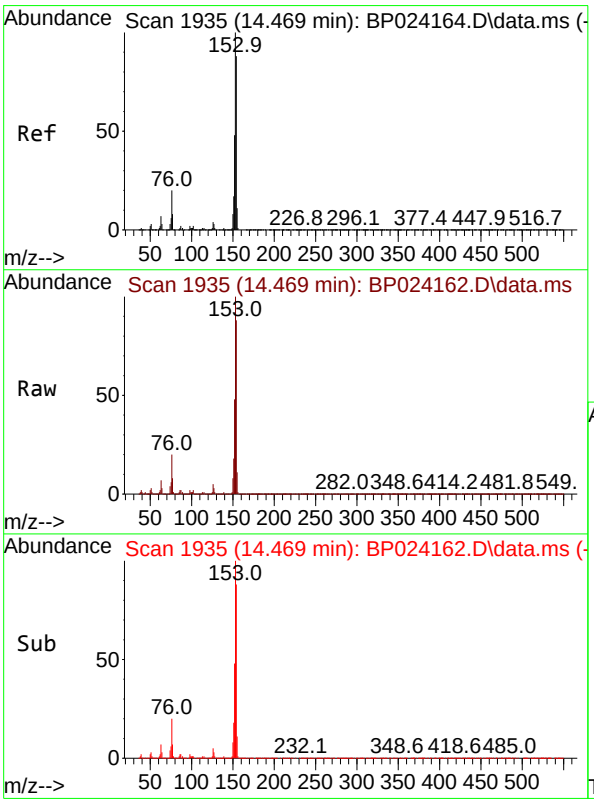

#51
2,6-Dinitrotoluene
Concen: 9.243 ng
RT: 13.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

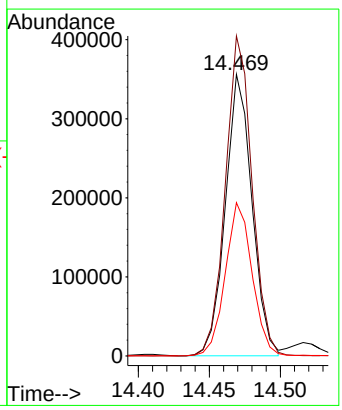


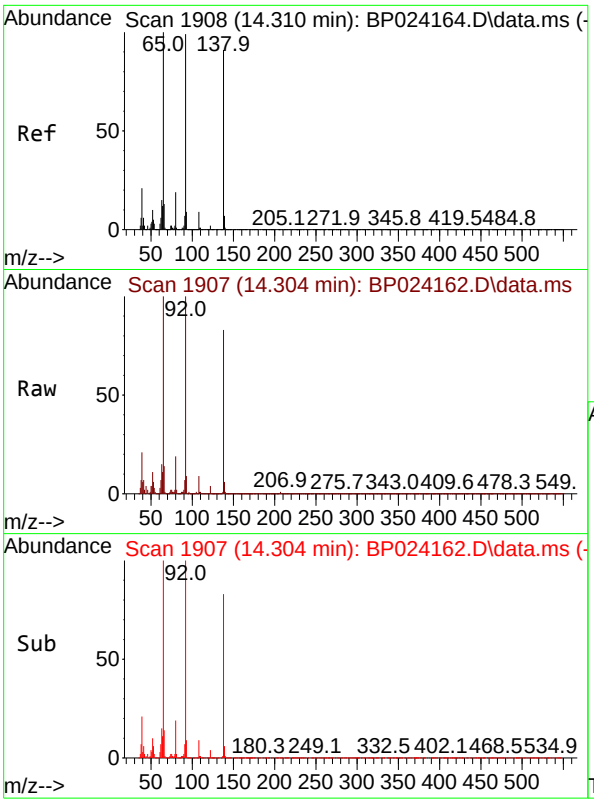




#52
Acenaphthene
Concen: 9.473 ng
RT: 14.469 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



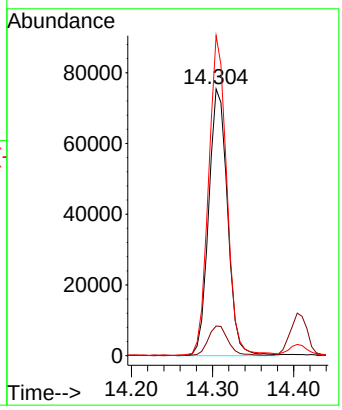


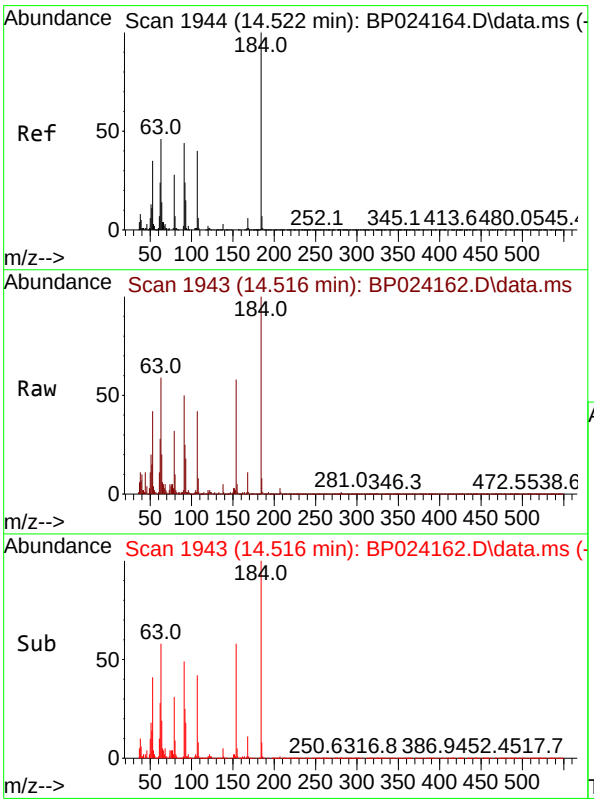

#53
3-Nitroaniline
Concen: 9.001 ng
RT: 14.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

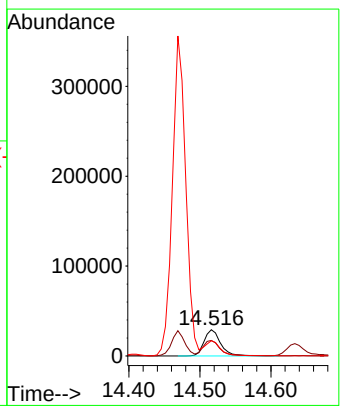


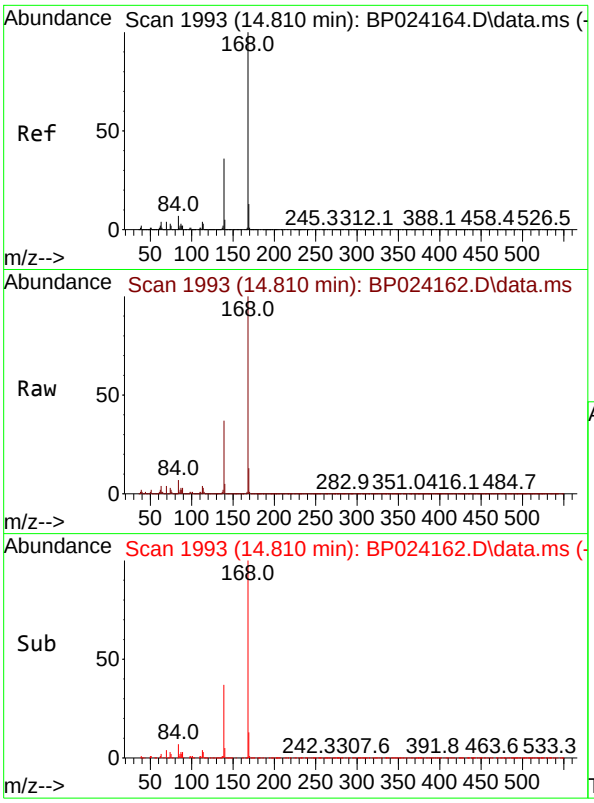




#54
2,4-Dinitrophenol
Concen: 7.053 ng
RT: 14.516 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



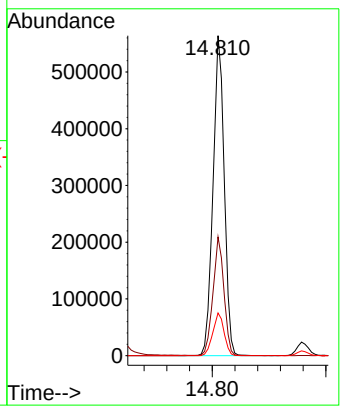


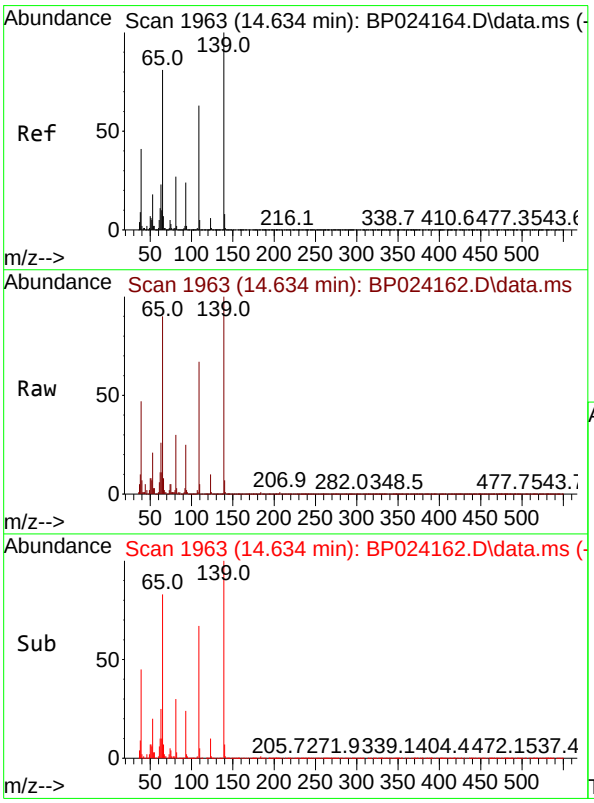

#55
Dibenzofuran
Concen: 9.671 ng
RT: 14.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

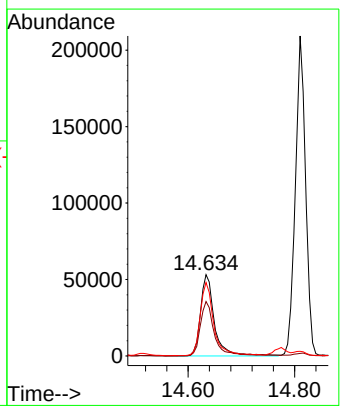


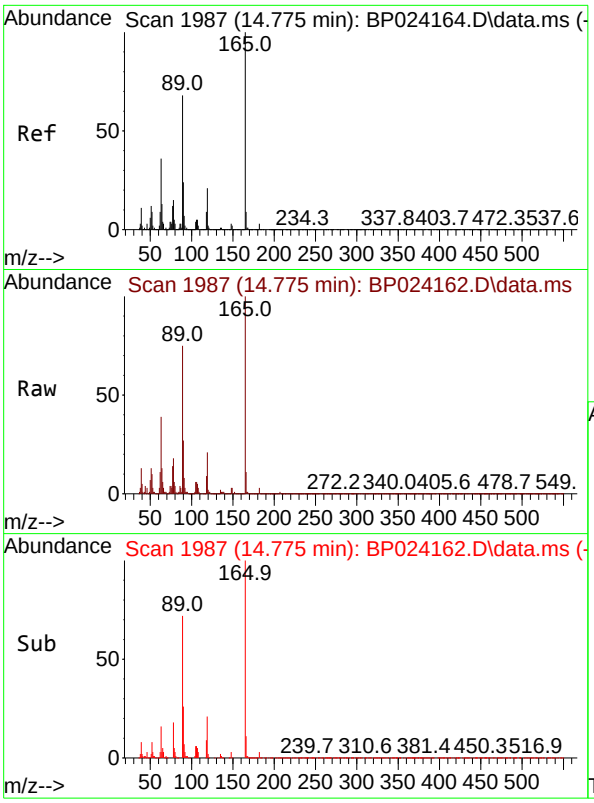




#56
4-Nitrophenol
Concen: 8.246 ng
RT: 14.634 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



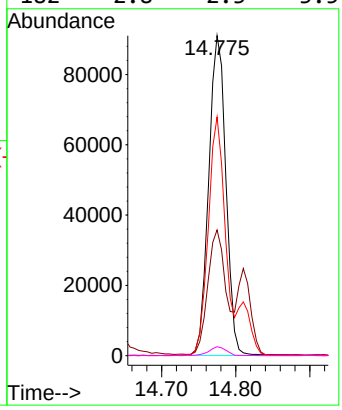


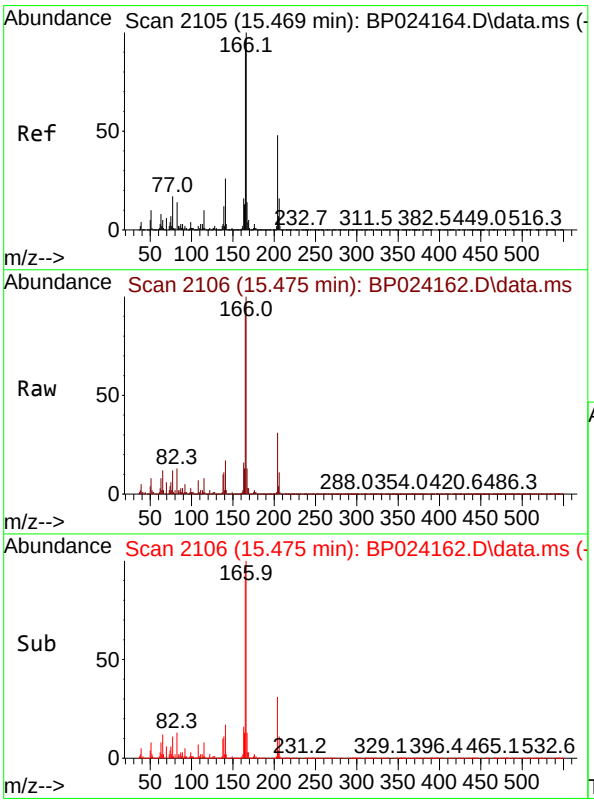

#57
2,4-Dinitrotoluene
Concen: 8.946 ng
RT: 14.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

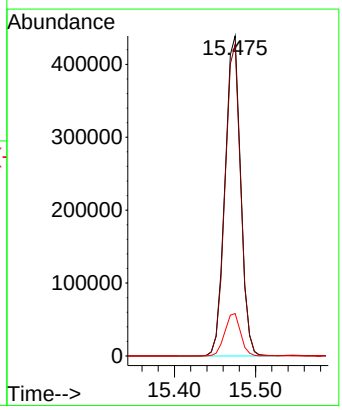


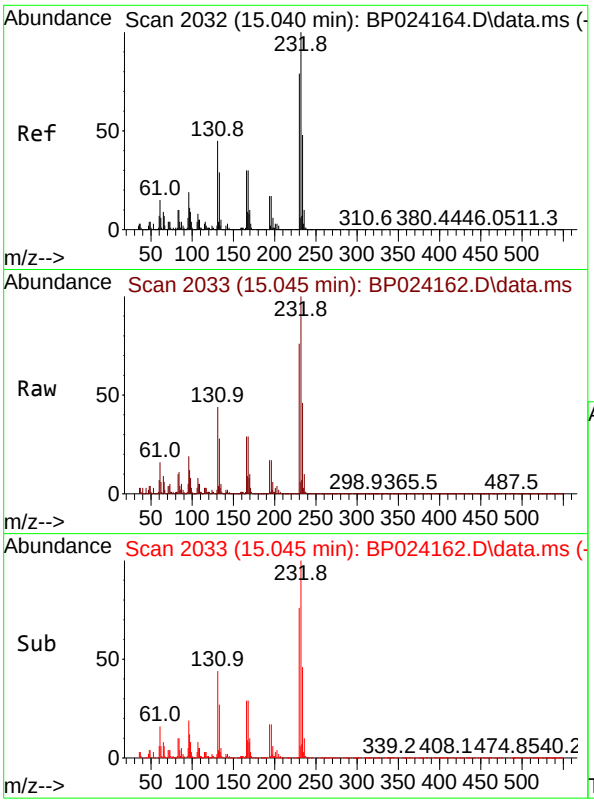




#58
Fluorene
Concen: 9.495 ng
RT: 15.475 min Scan# 2106
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



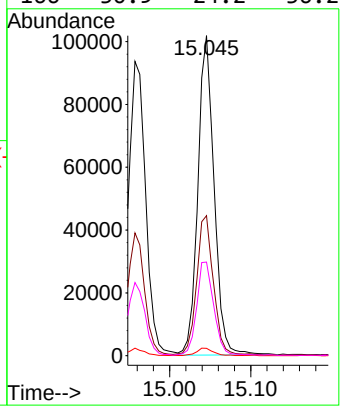


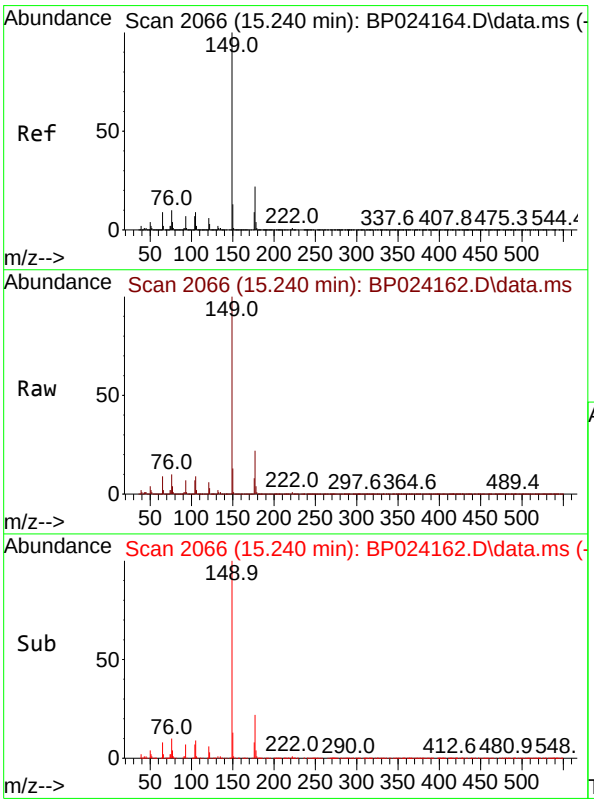

#59
2,3,4,6-Tetrachlorophenol
Concen: 9.071 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

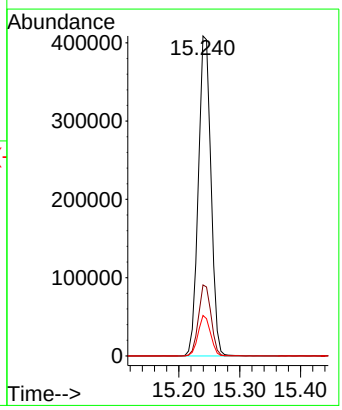


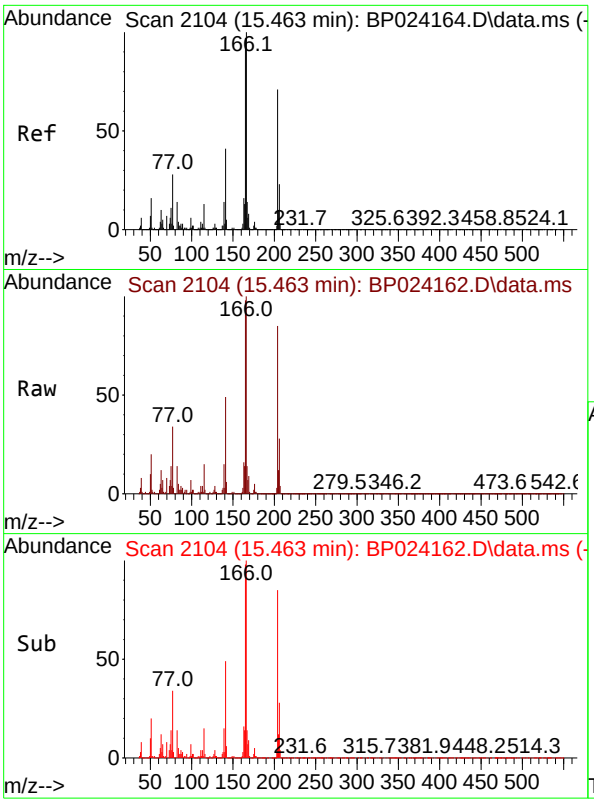




#60
Diethylphthalate
Concen: 9.543 ng
RT: 15.240 min Scan# 2066
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



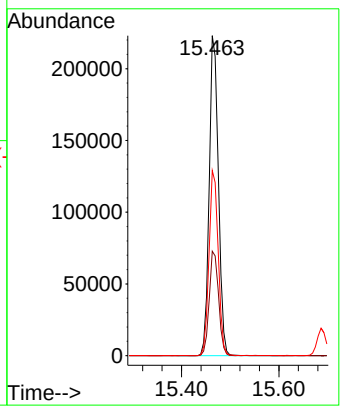


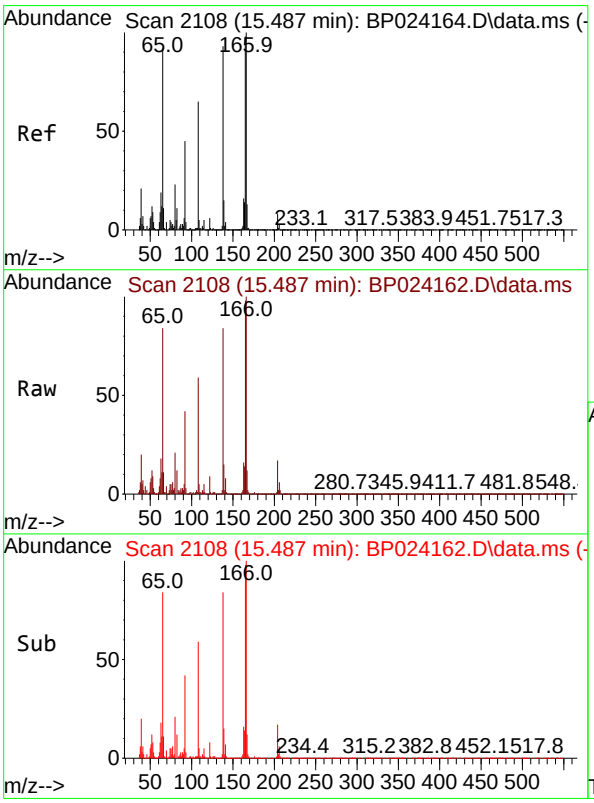

#61
4-Chlorophenyl-phenylether
Concen: 9.478 ng
RT: 15.463 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

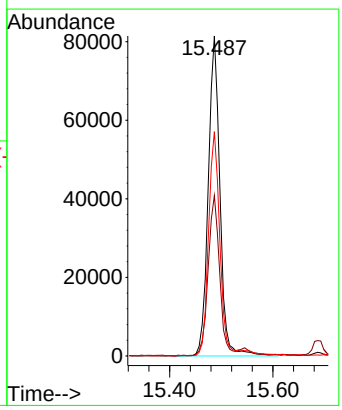


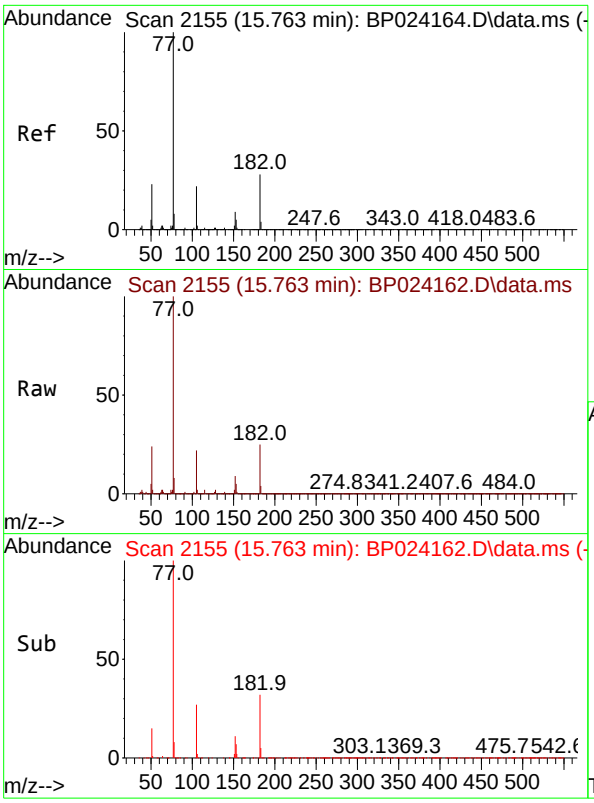




#62
4-Nitroaniline
Concen: 9.169 ng
RT: 15.487 min Scan# 2108
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



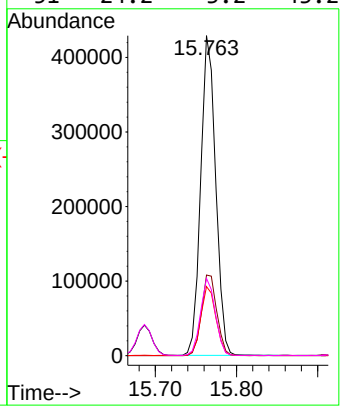


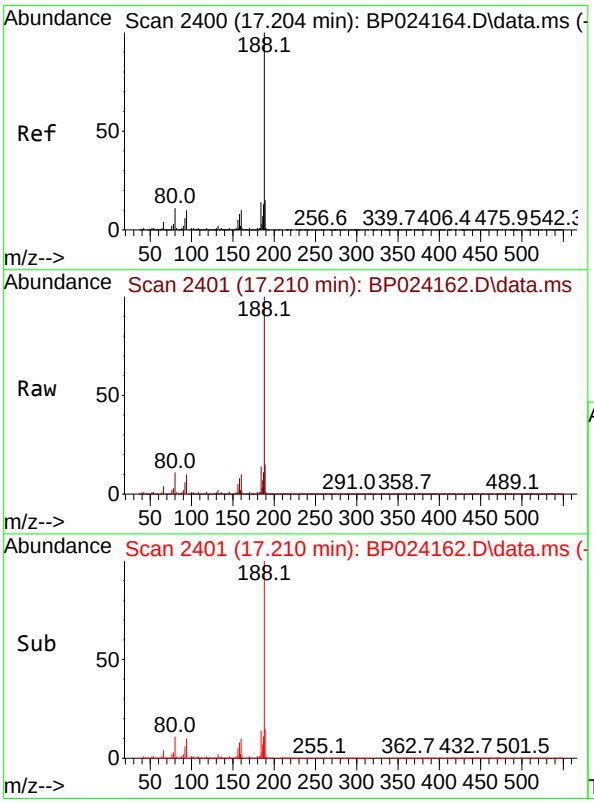

#63
Azobenzene
Concen: 9.535 ng
RT: 15.763 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

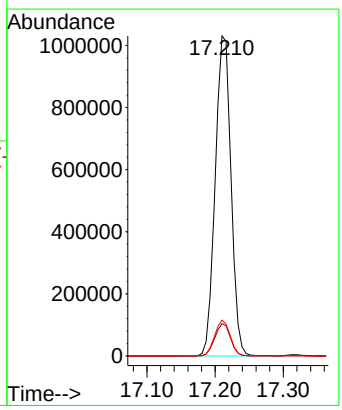


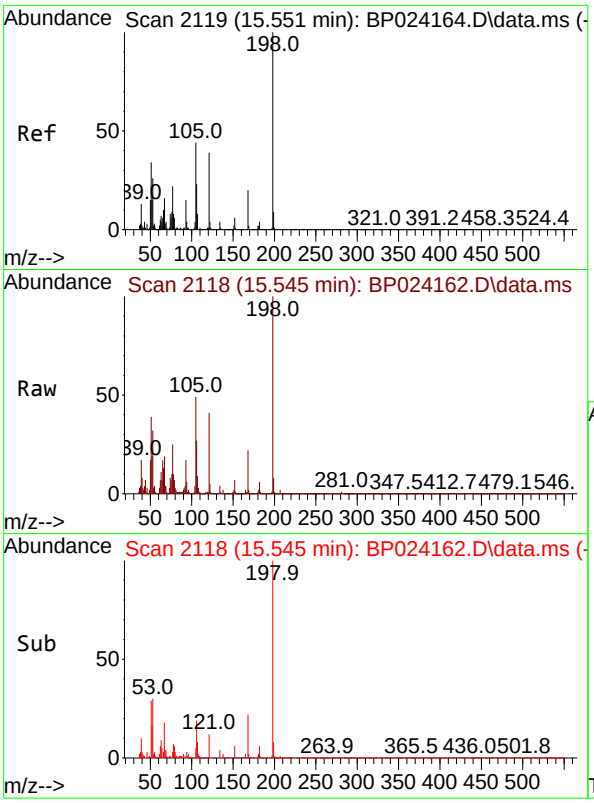




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 2401
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



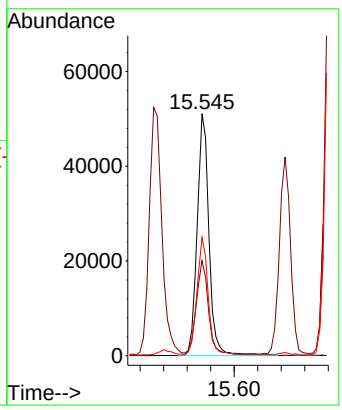


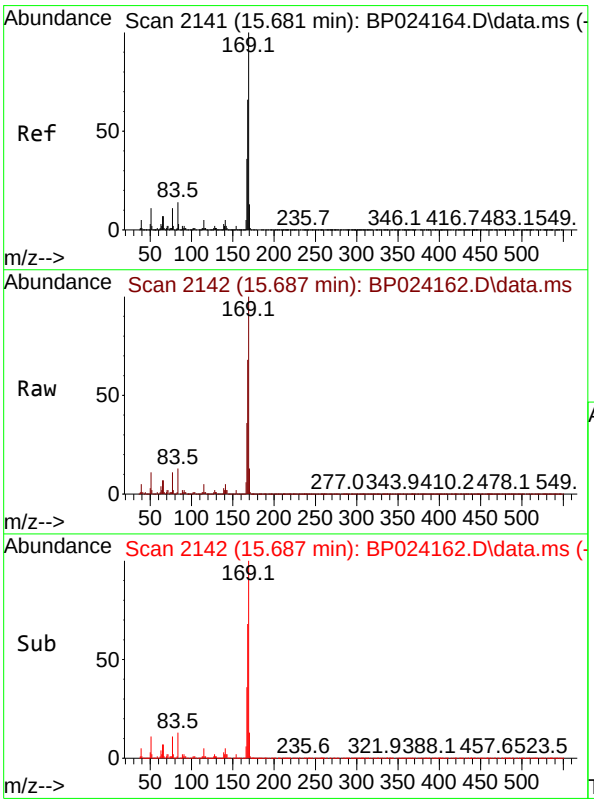

#65
4,6-Dinitro-2-methylphenol
Concen: 7.361 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

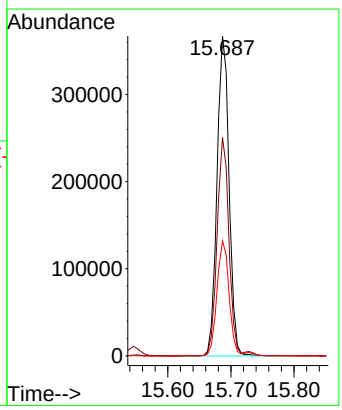


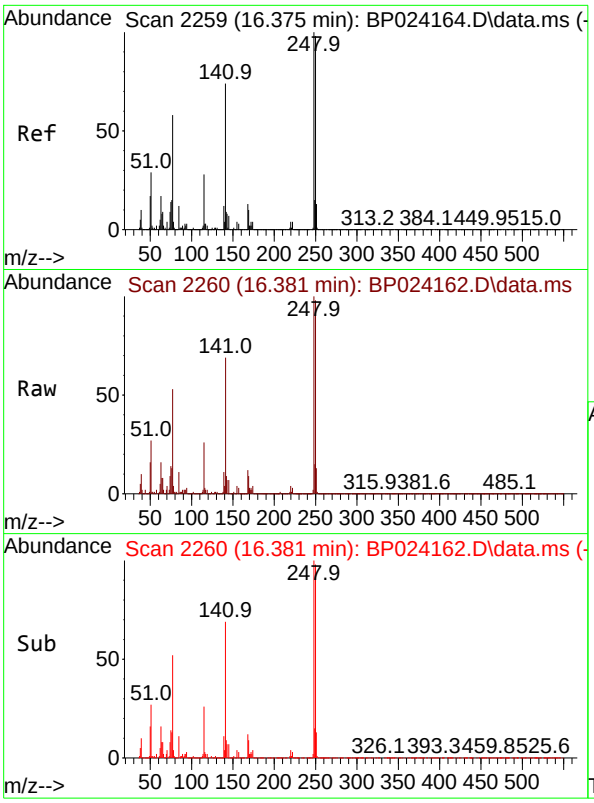




#66
n-Nitrosodiphenylamine
Concen: 9.352 ng
RT: 15.687 min Scan# 2142
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



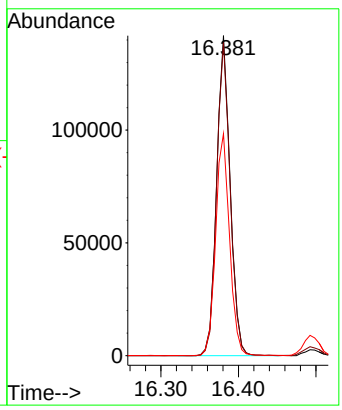


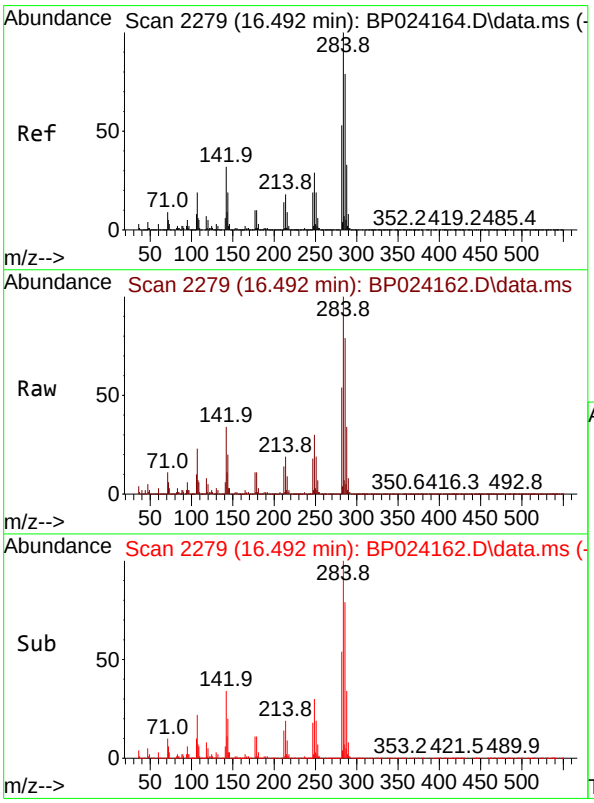

#67
4-Bromophenyl-phenylether
Concen: 9.207 ng
RT: 16.381 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

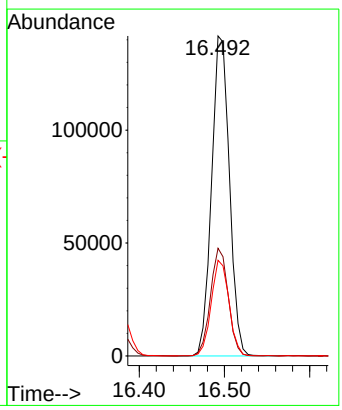


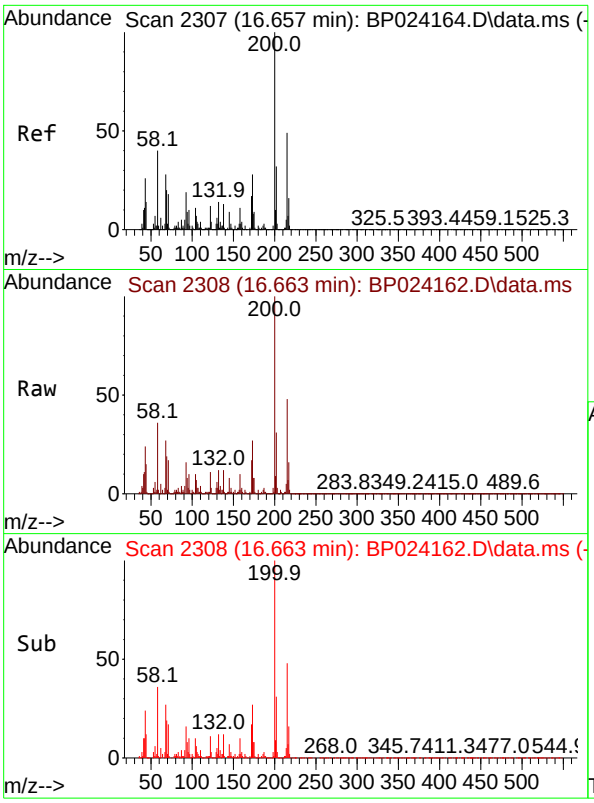




#68
Hexachlorobenzene
Concen: 9.414 ng
RT: 16.492 min Scan# 2279
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



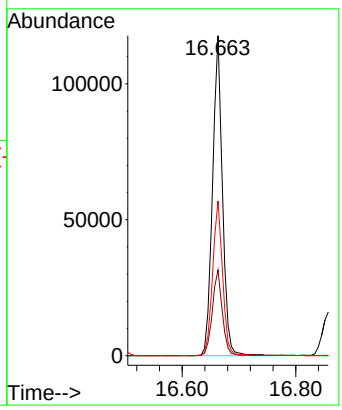


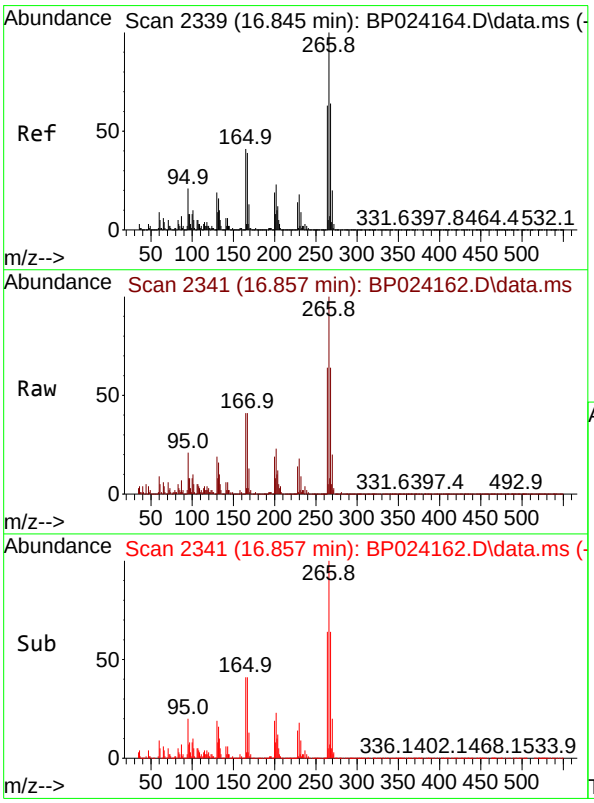

#69
Atrazine
Concen: 10.706 ng
RT: 16.663 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

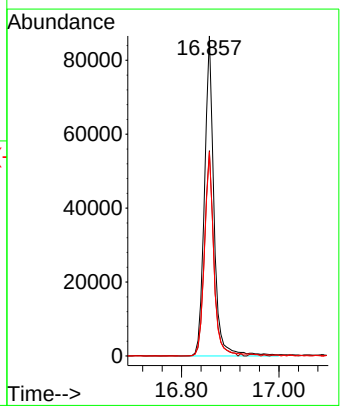


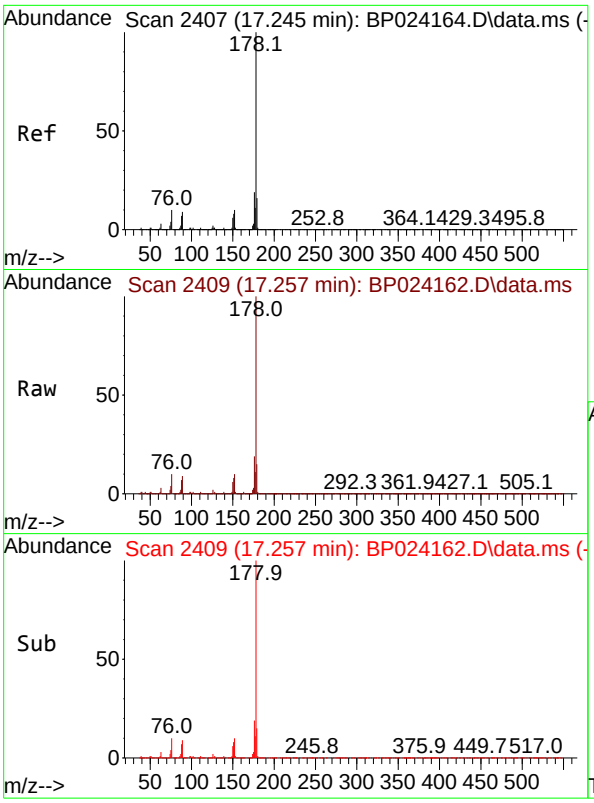




#70
Pentachlorophenol
Concen: 8.175 ng
RT: 16.857 min Scan# 2341
Delta R.T. 0.012 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



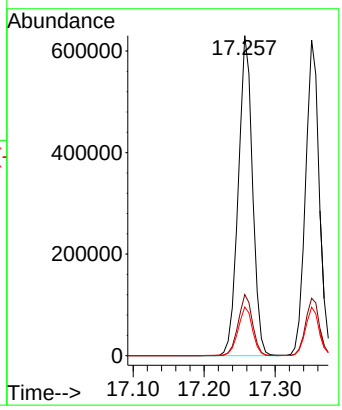


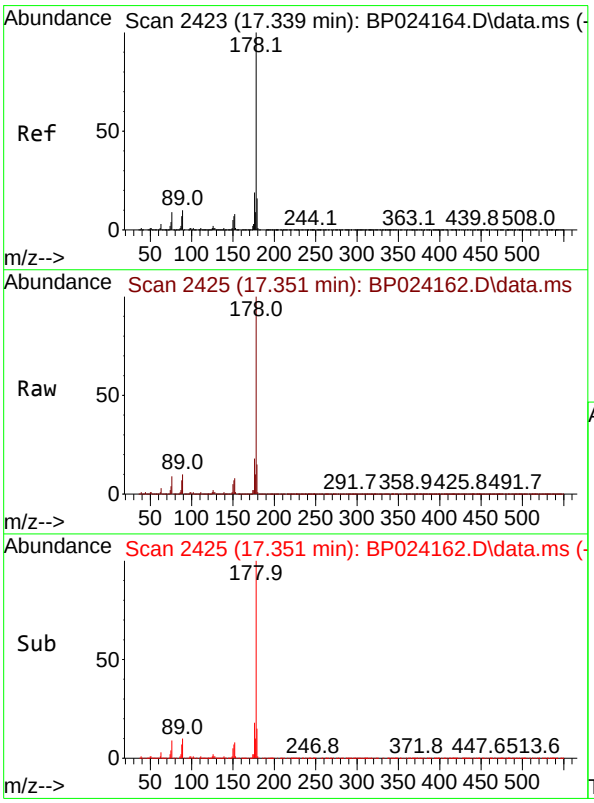

#71
Phenanthrene
Concen: 9.391 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

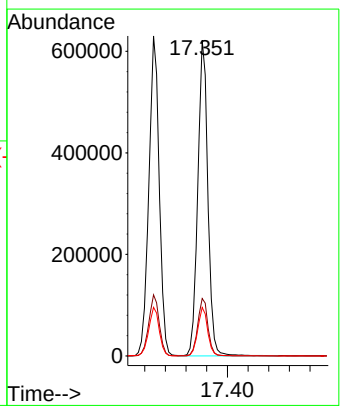


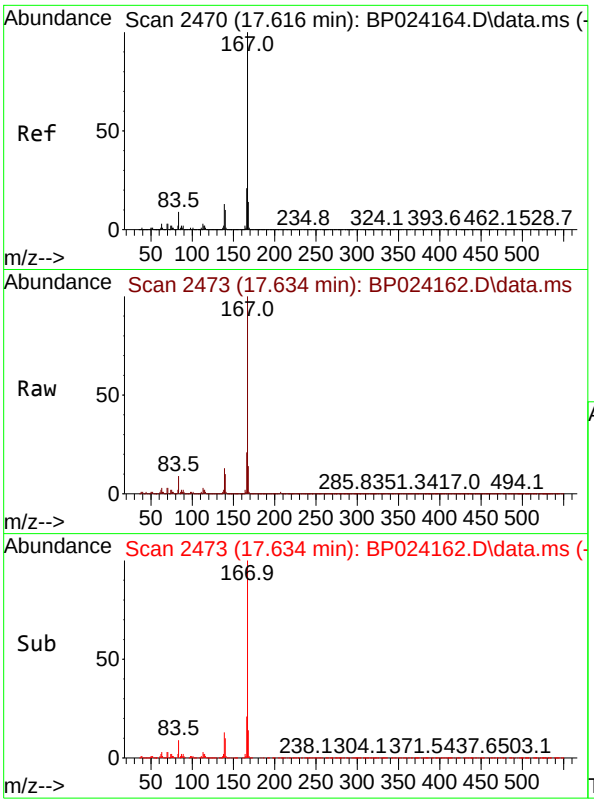




#72
Anthracene
Concen: 9.366 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.012 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



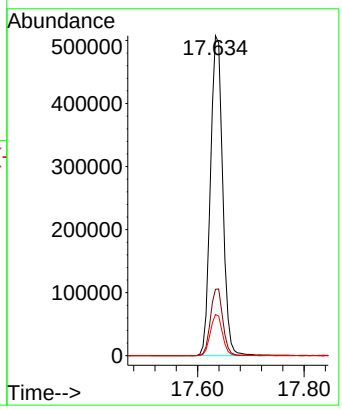


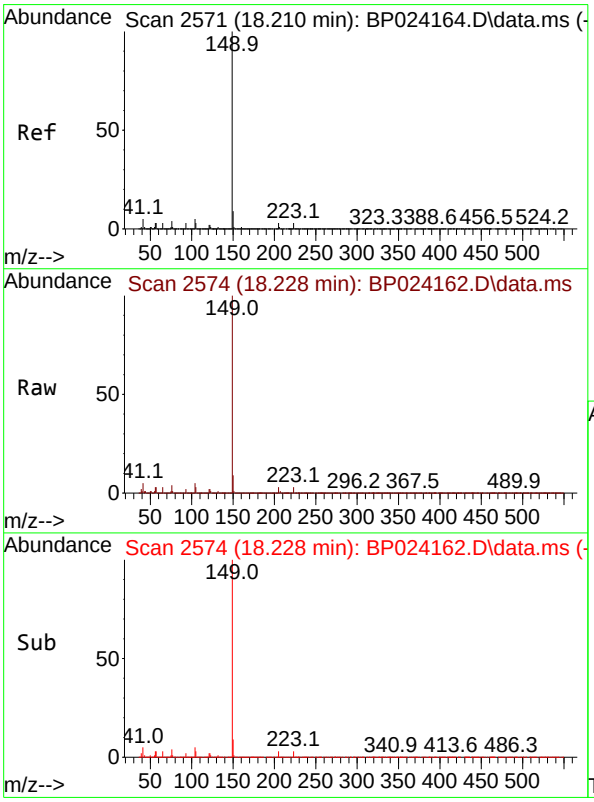

#73
Carbazole
Concen: 9.471 ng
RT: 17.634 min Scan# 24
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

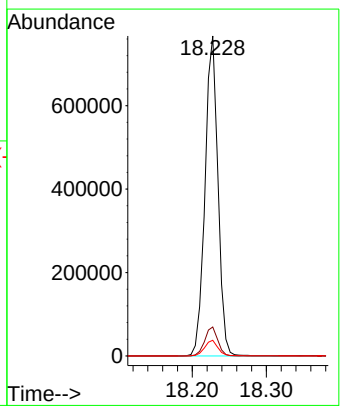


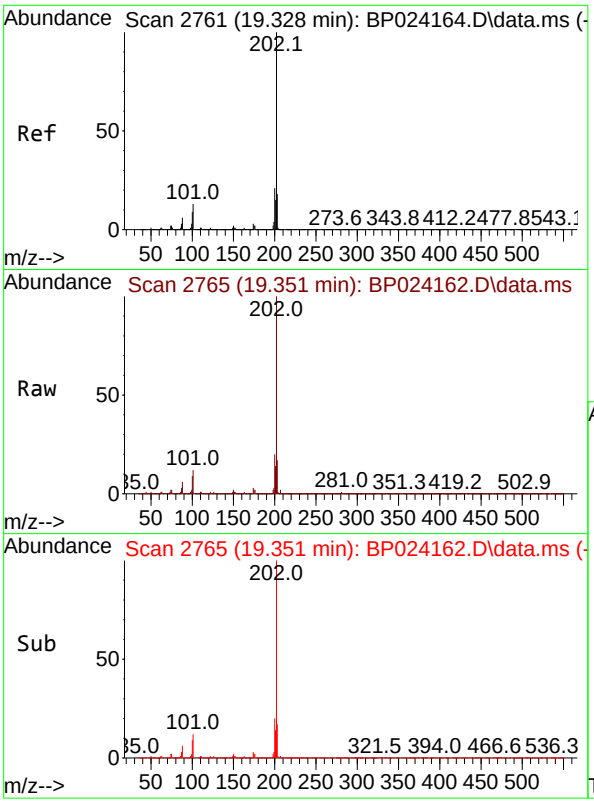




#74
Di-n-butylphthalate
Concen: 9.335 ng
RT: 18.228 min Scan# 2574
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



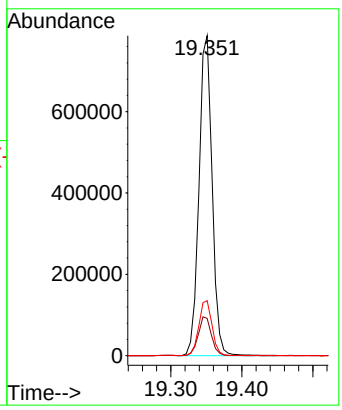


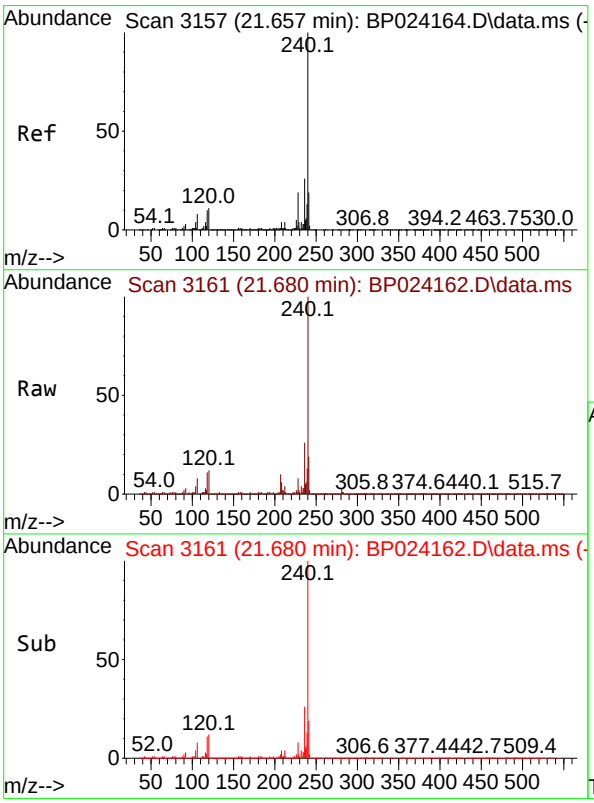

#75
Fluoranthene
Concen: 9.566 ng
RT: 19.351 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

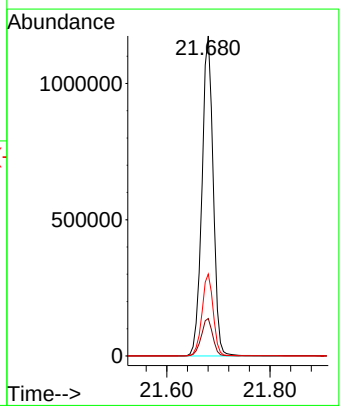


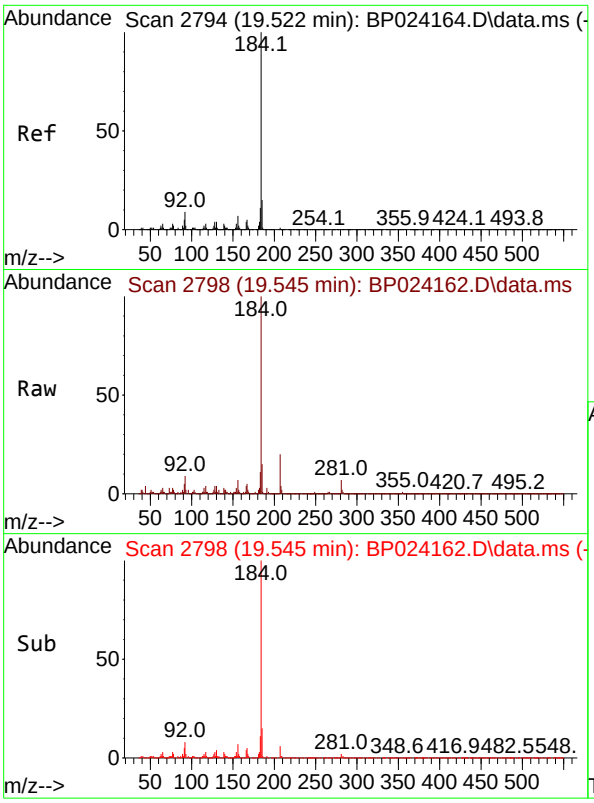




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.680 min Scan# 3161
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



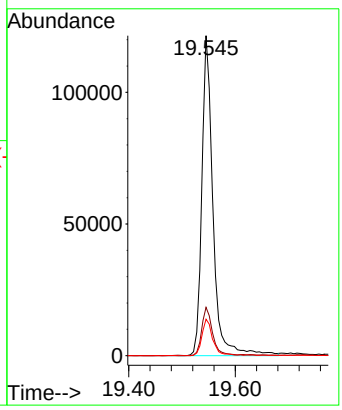


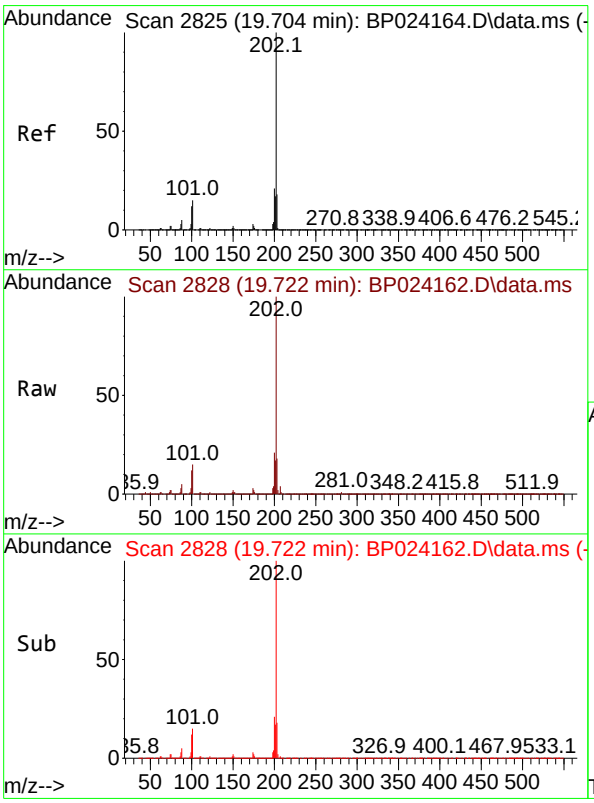

#77
Benzidine
Concen: 8.151 ng
RT: 19.545 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

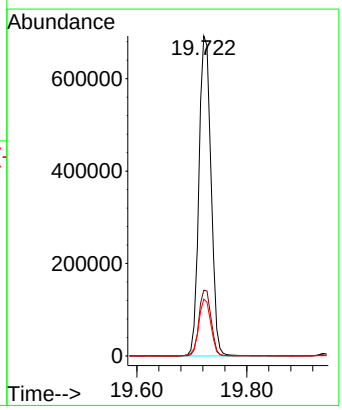


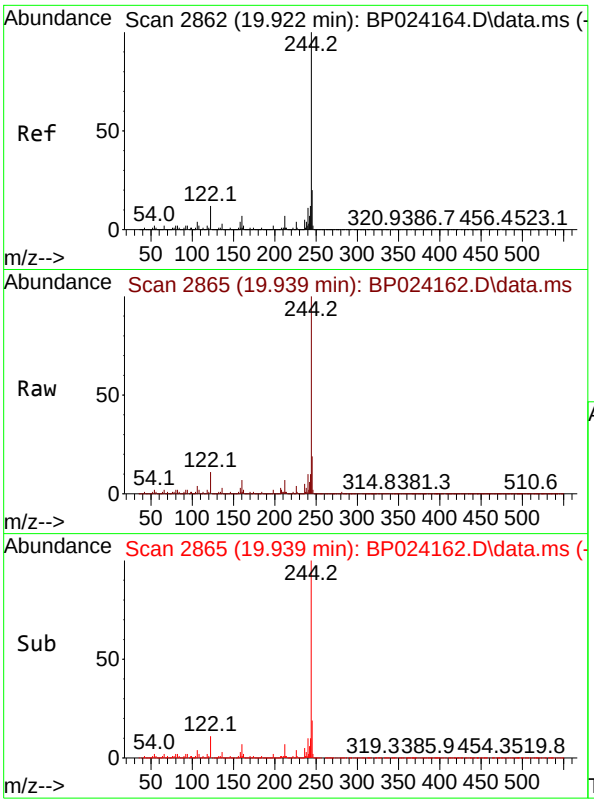




#78
Pyrene
Concen: 9.367 ng
RT: 19.722 min Scan# 2828
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



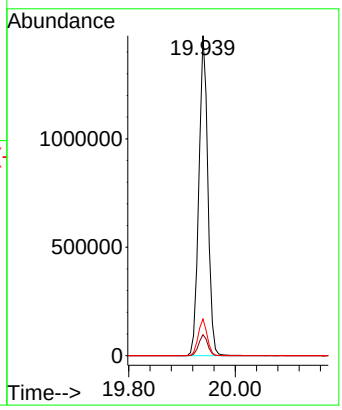


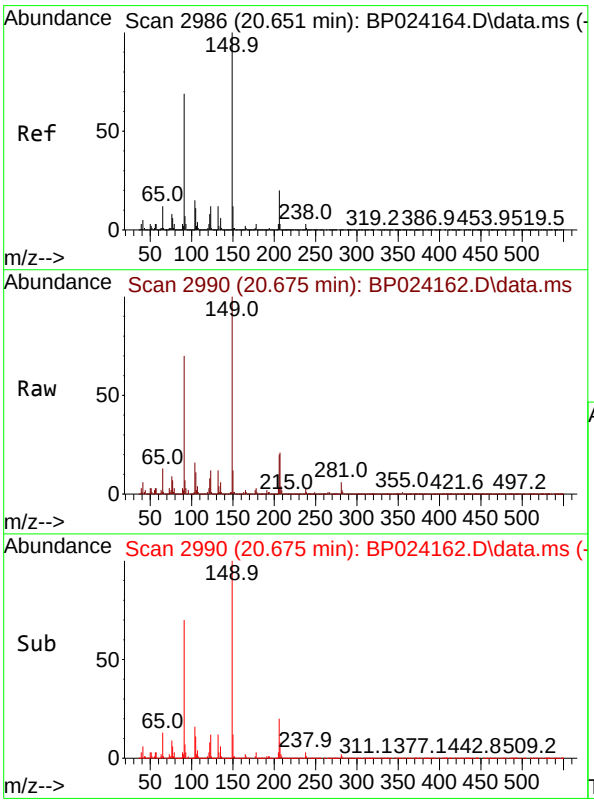

#79
Terphenyl-d14
Concen: 19.251 ng
RT: 19.939 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

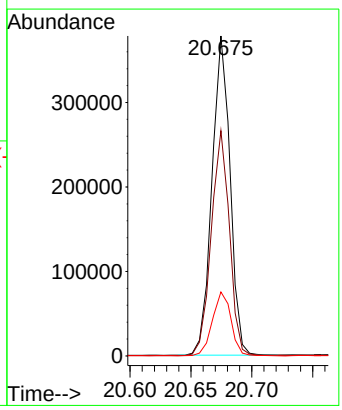


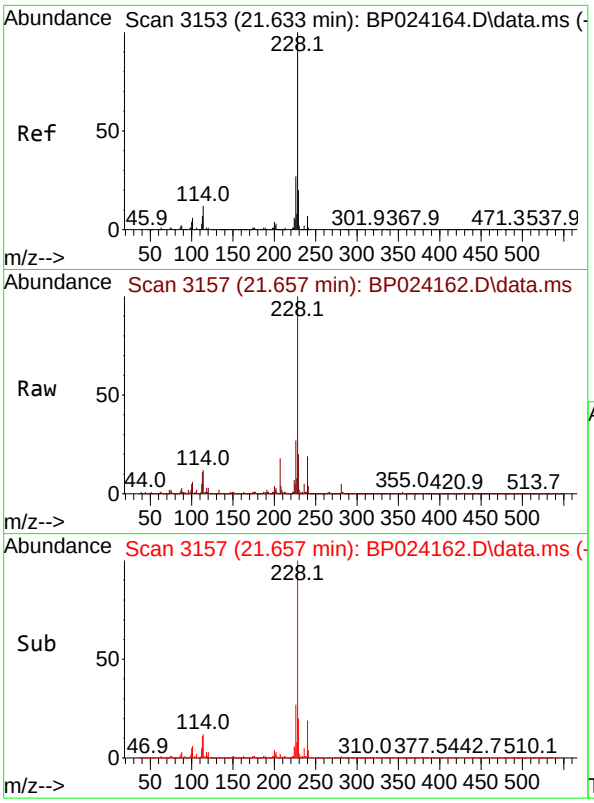




#80
Butylbenzylphthalate
Concen: 9.049 ng
RT: 20.675 min Scan# 2990
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



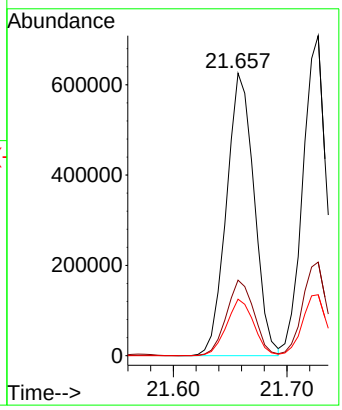


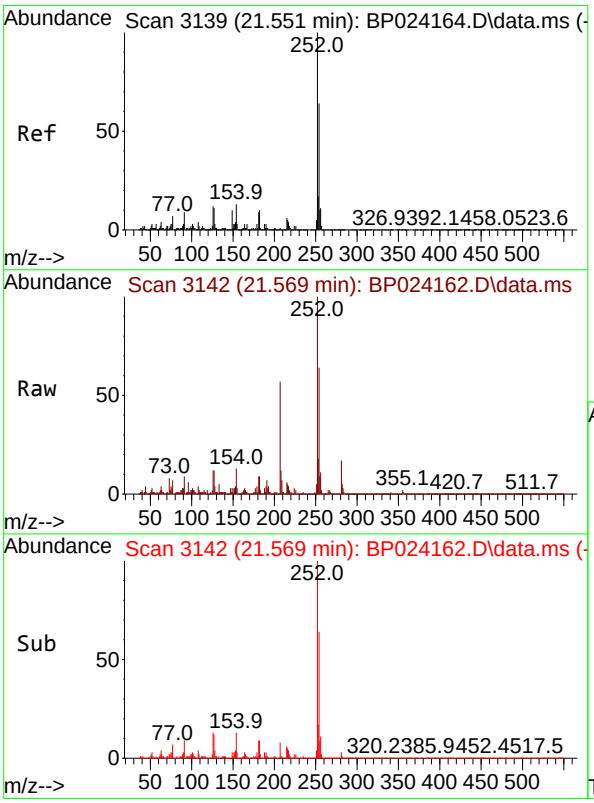

#81
Benzo(a)anthracene
Concen: 9.520 ng
RT: 21.657 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

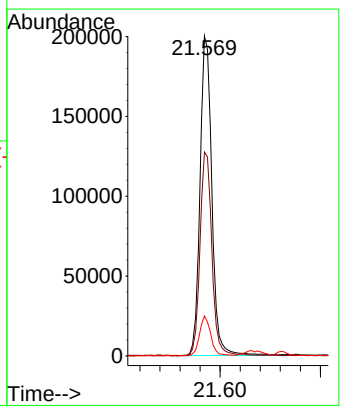


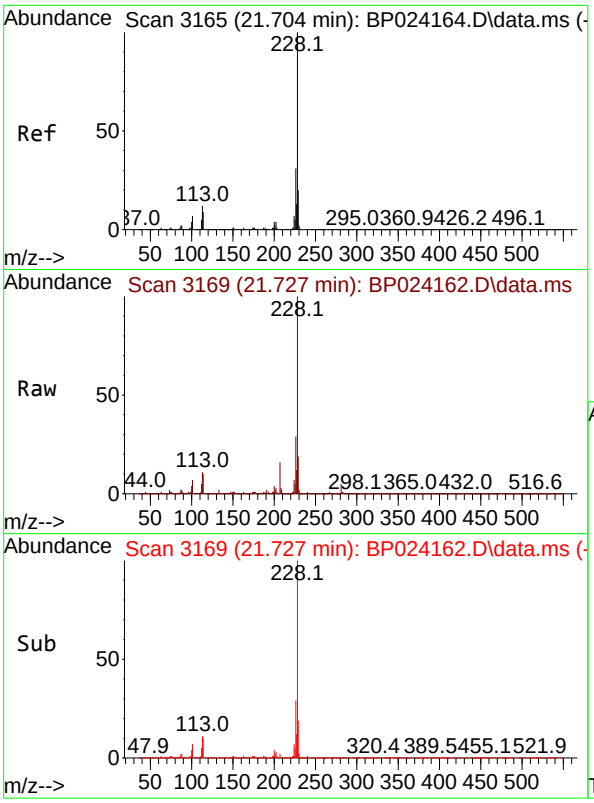




#82
3,3'-Dichlorobenzidine
Concen: 9.409 ng
RT: 21.569 min Scan# 3142
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



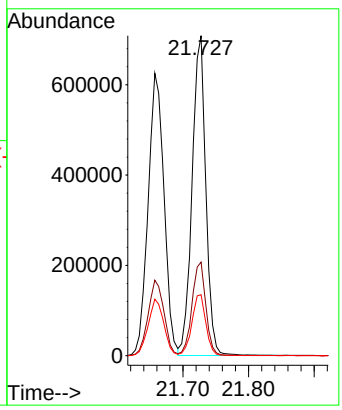


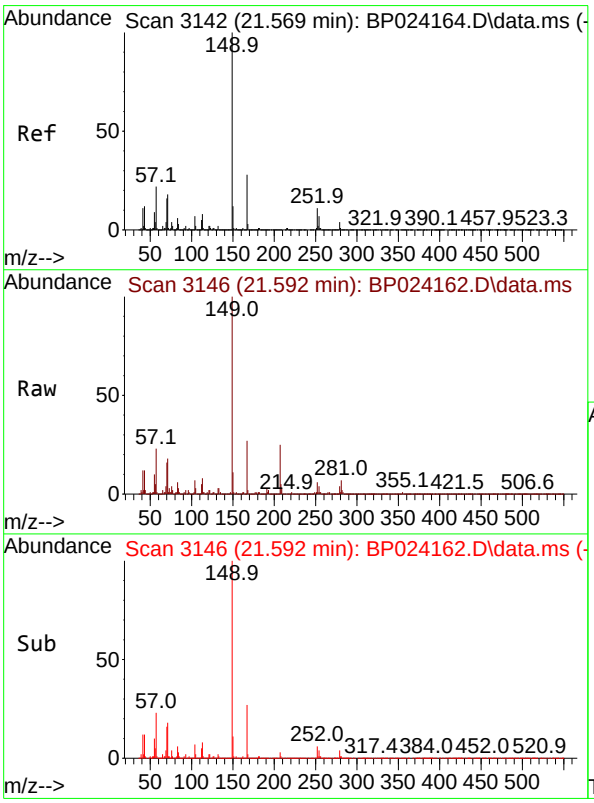

#83
Chrysene
Concen: 9.585 ng
RT: 21.727 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

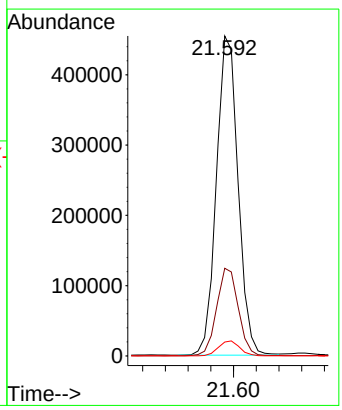


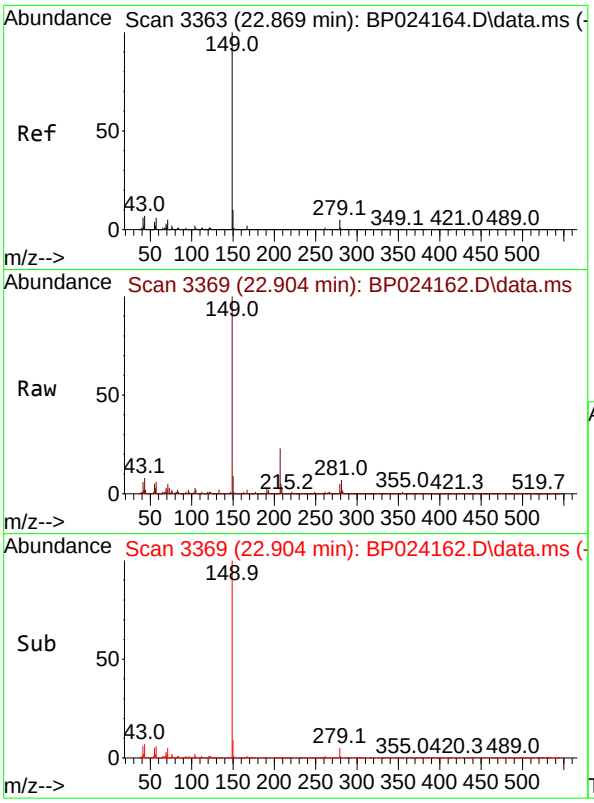




#84
Bis(2-ethylhexyl)phthalate
Concen: 9.181 ng
RT: 21.592 min Scan# 3146
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



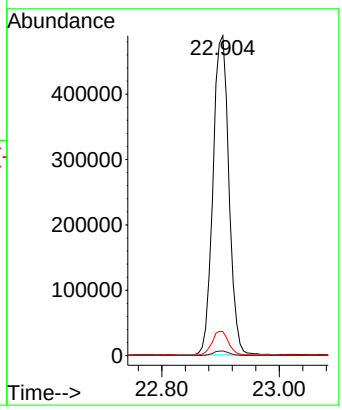


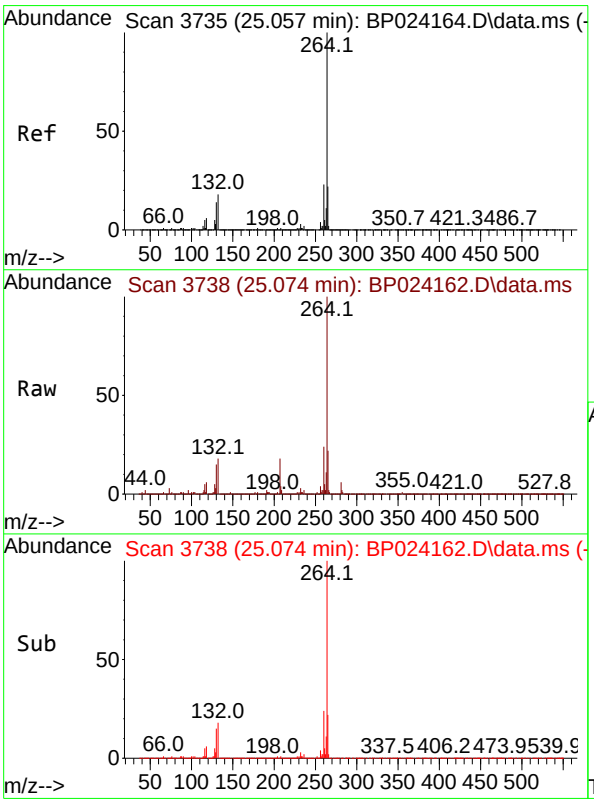

#85
Di-n-octyl phthalate
Concen: 8.757 ng
RT: 22.904 min Scan# 3
Delta R.T. 0.035 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

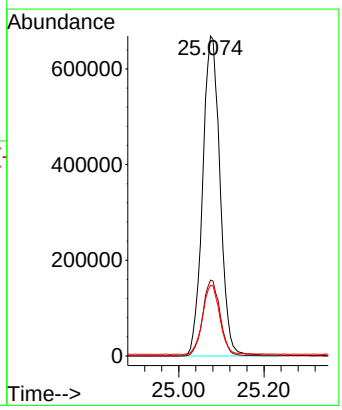


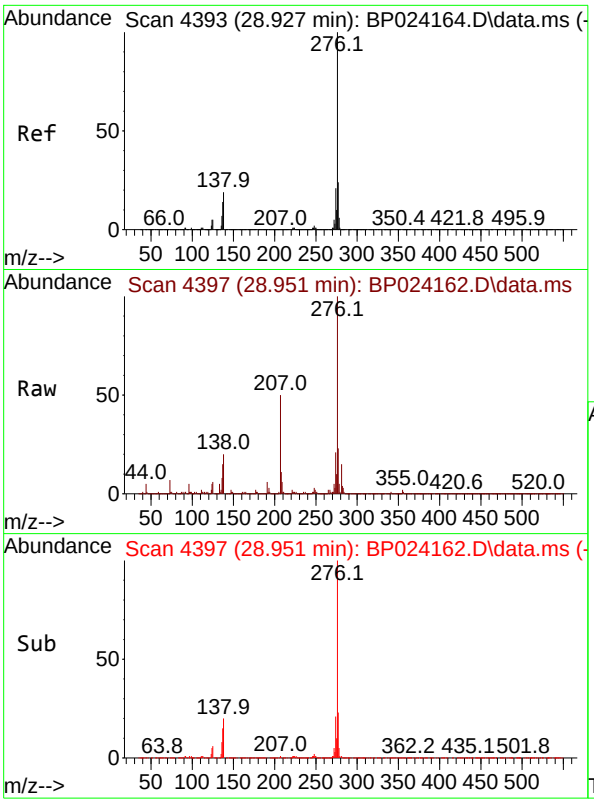




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.074 min Scan# 3738
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



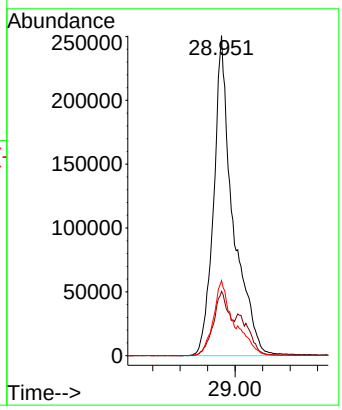


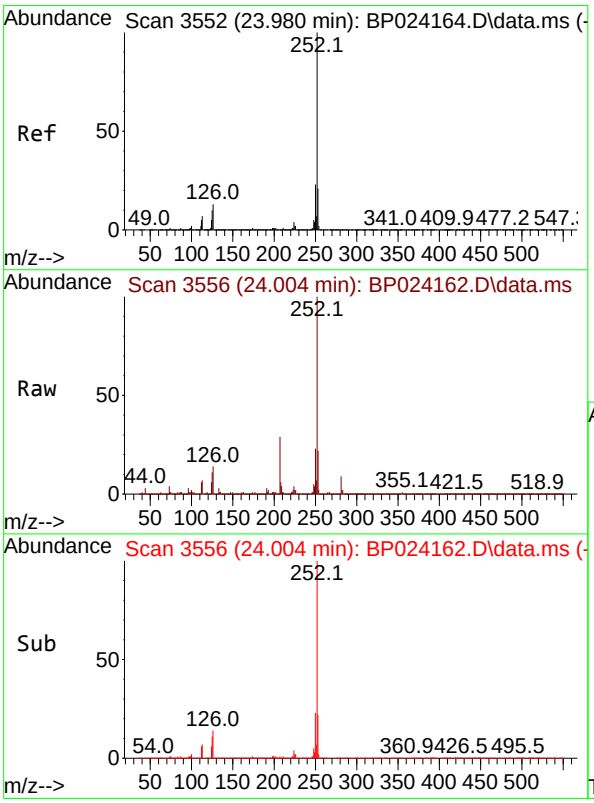

#87
Indeno(1,2,3-cd)pyrene
Concen: 9.061 ng
RT: 28.951 min Scan# 4
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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# |

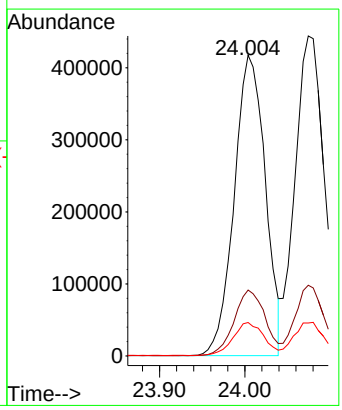


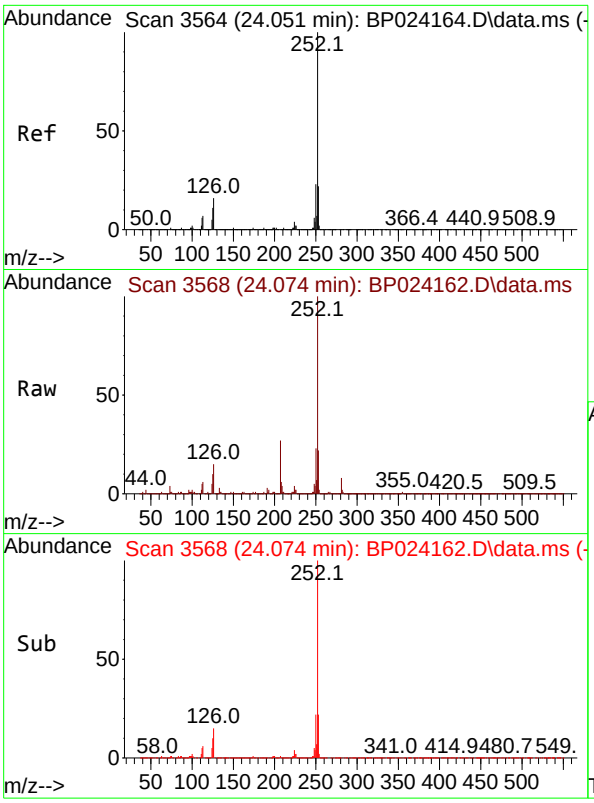




#88
Benzo(b)fluoranthene
Concen: 8.789 ng
RT: 24.004 min Scan# 3556
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



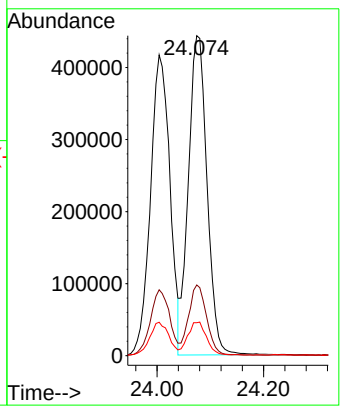


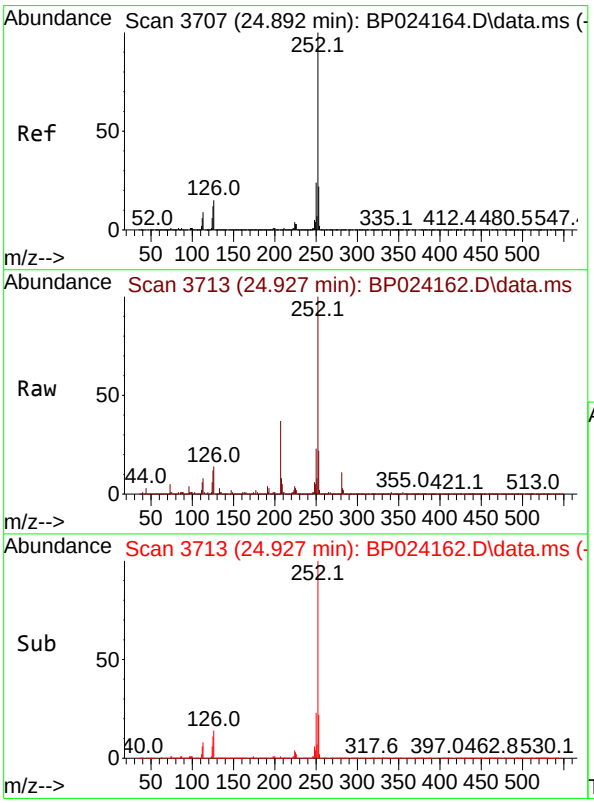

#89
Benzo(k)fluoranthene
Concen: 9.190 ng
RT: 24.074 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

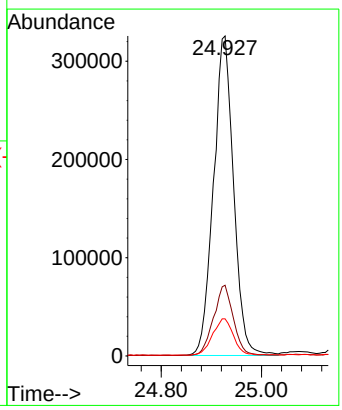


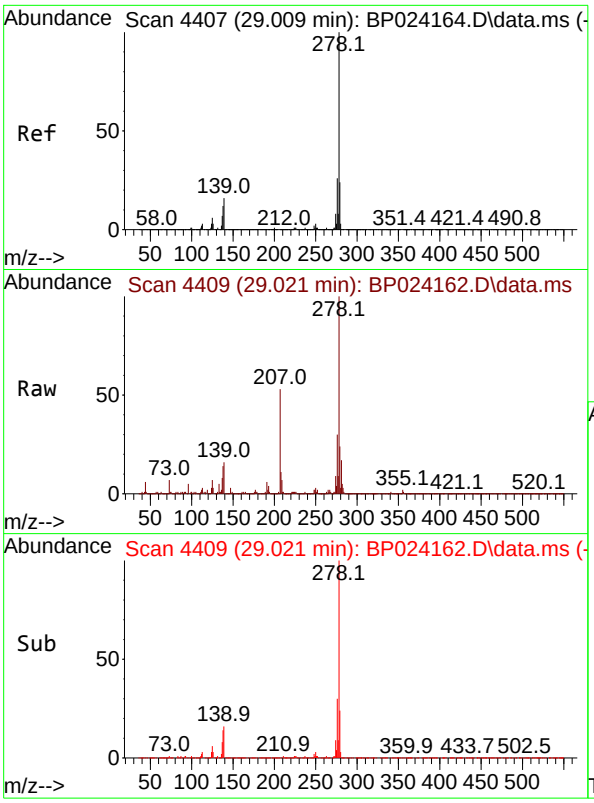




#90
Benzo(a)pyrene
Concen: 8.896 ng
RT: 24.927 min Scan# 3713
Delta R.T. 0.035 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



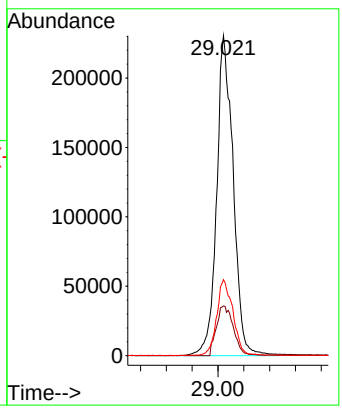


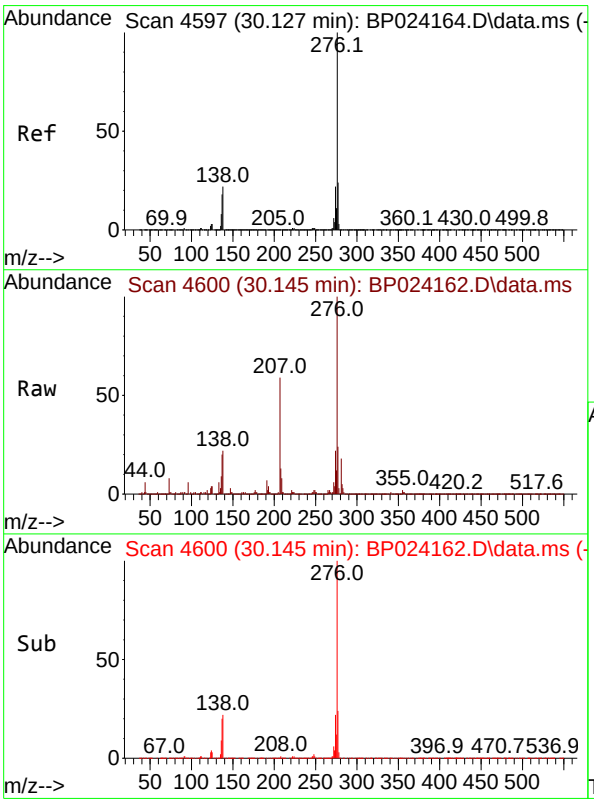

#91
Dibenzo(a,h)anthracene
Concen: 9.052 ng
RT: 29.021 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

**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 |

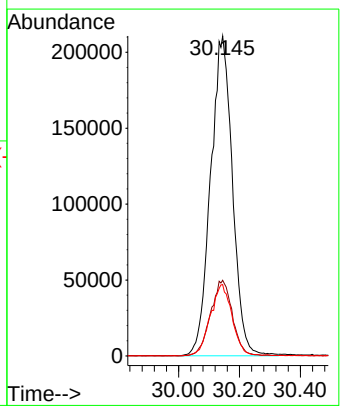



#92
Benzo(g,h,i)perylene
Concen: 9.121 ng
RT: 30.145 min Scan# 4600
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

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 |



Quantitation Report (QT Reviewed)

ICAL Form

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 |

ICAL Form

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 |

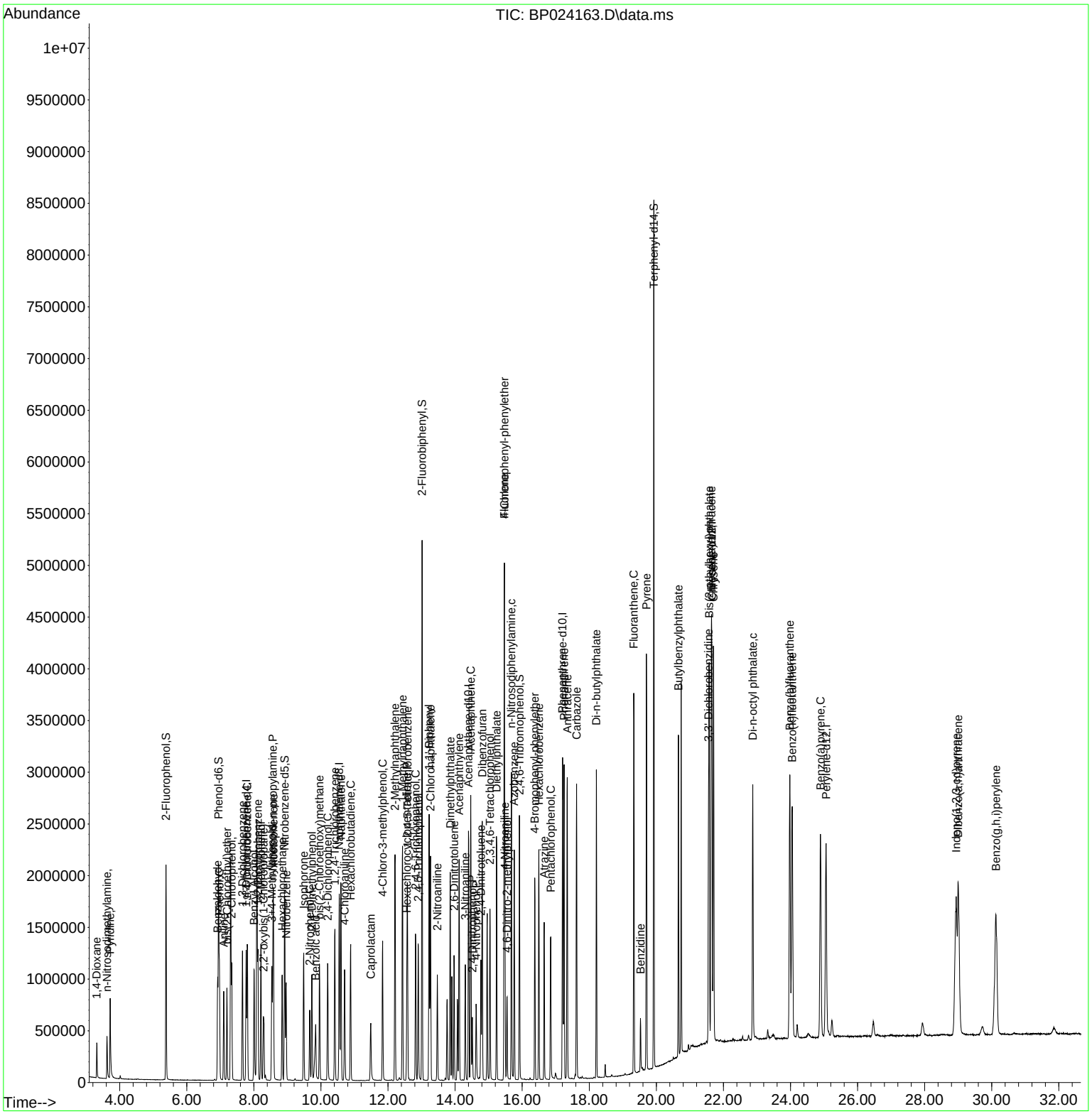
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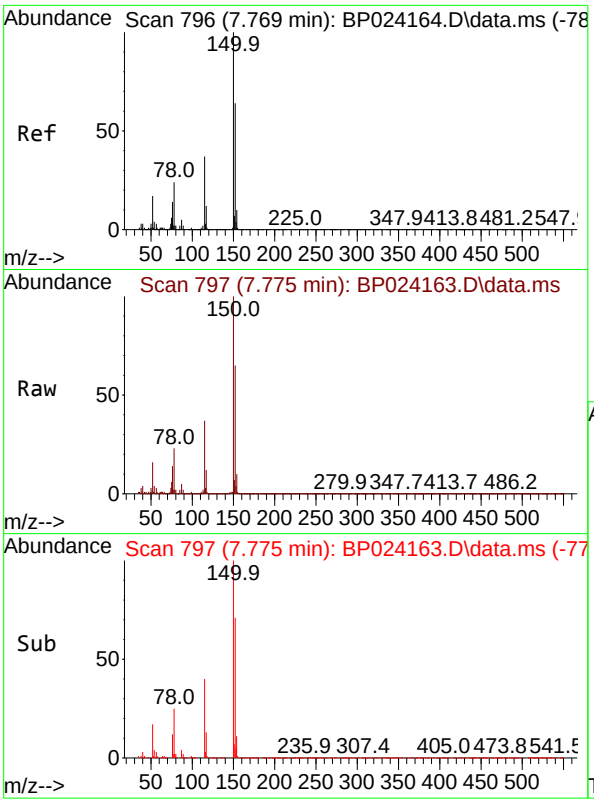
ICAL Form

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



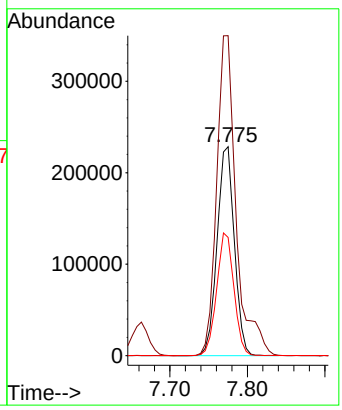


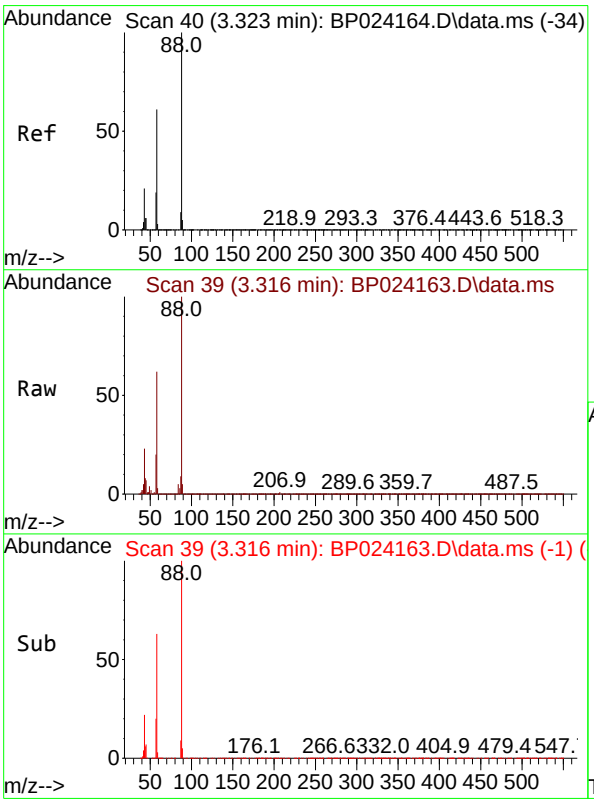

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

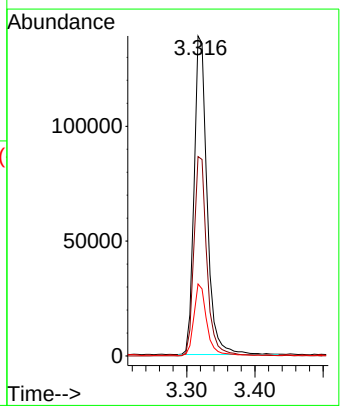


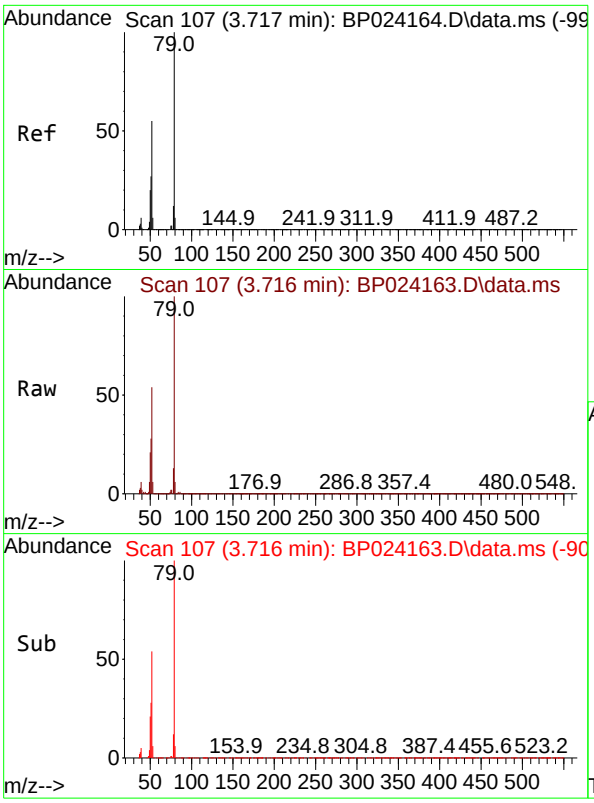




#2
1,4-Dioxane
Concen: 20.599 ng
RT: 3.316 min Scan# 39
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



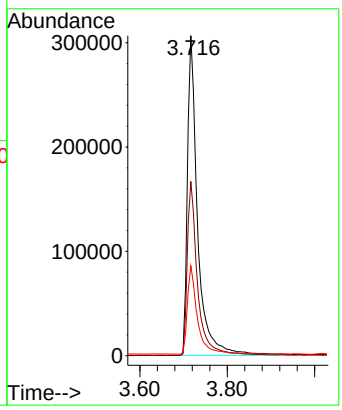


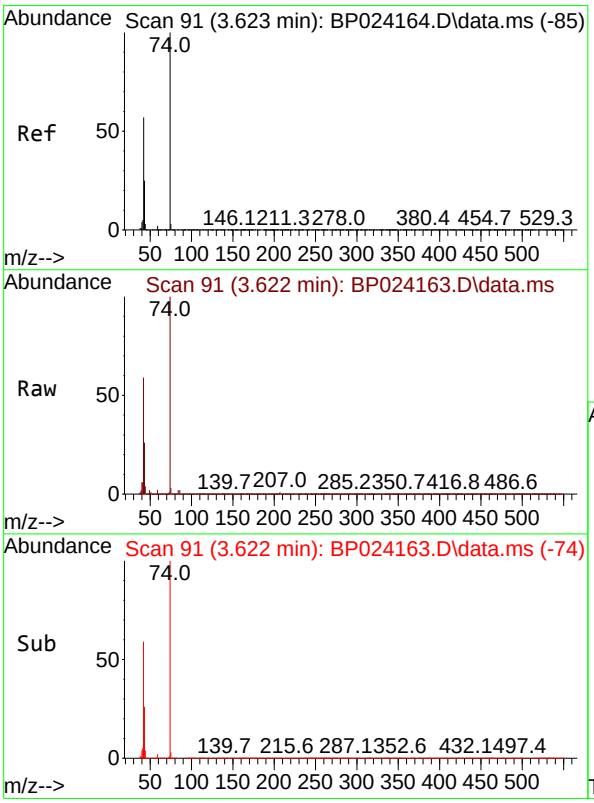

#3
Pyridine
Concen: 21.504 ng
RT: 3.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

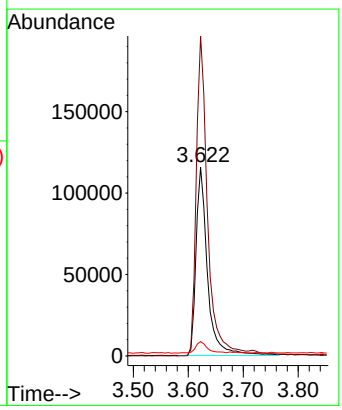


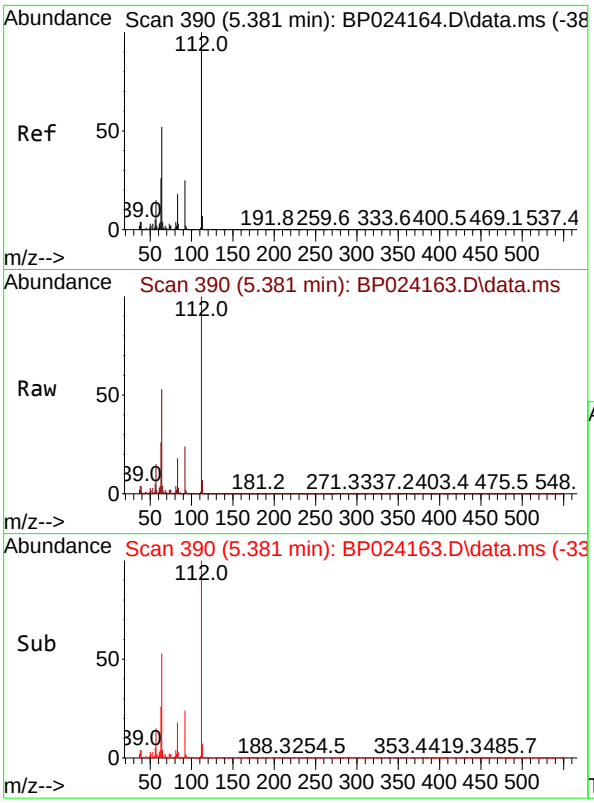




#4
n-Nitrosodimethylamine
Concen: 20.517 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



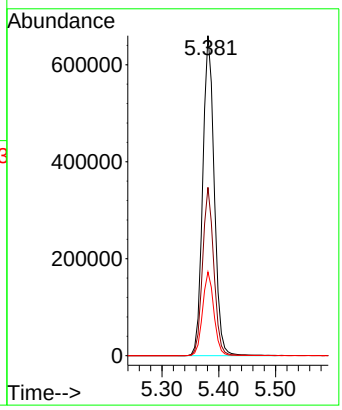


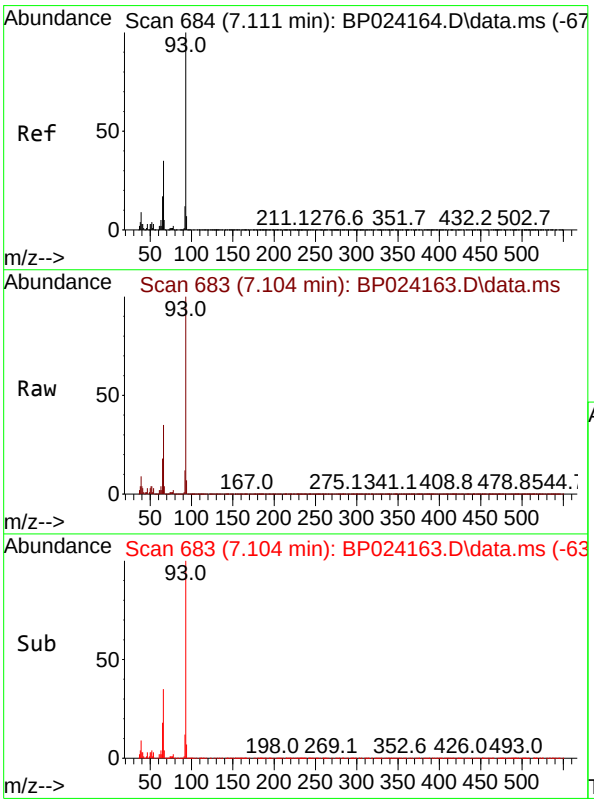

#5
2-Fluorophenol
Concen: 40.796 ng
RT: 5.381 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

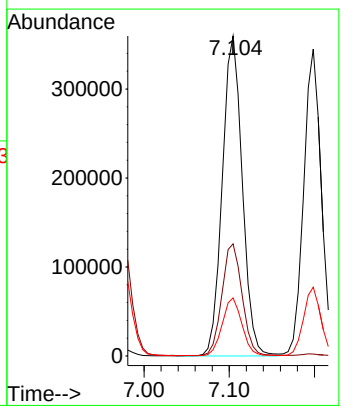


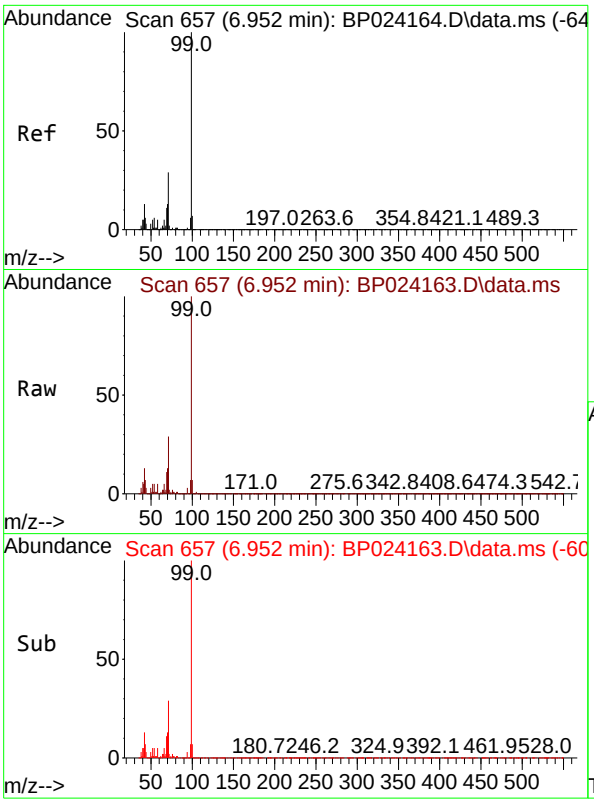




#6
Aniline
Concen: 21.953 ng
RT: 7.104 min Scan# 683
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



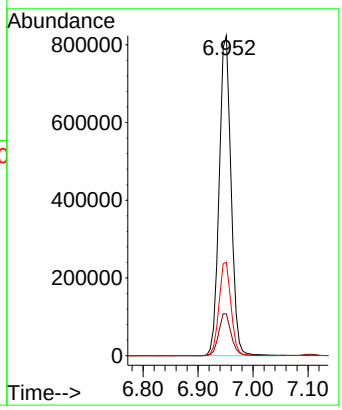


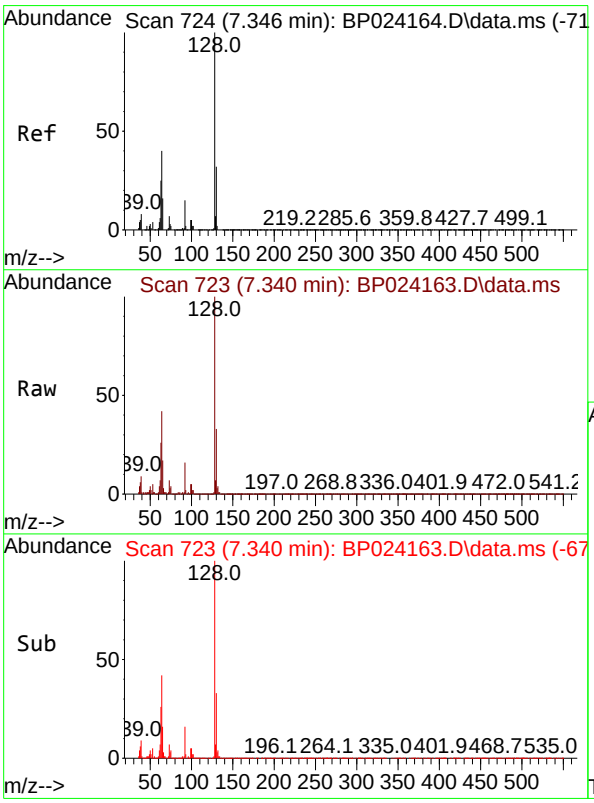

#7
Phenol-d6
Concen: 42.415 ng
RT: 6.952 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

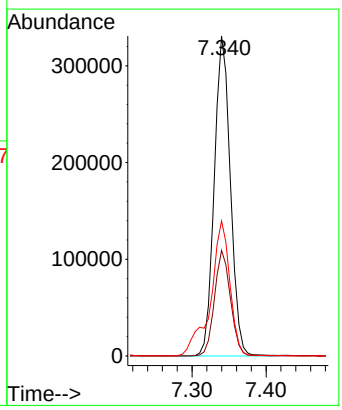


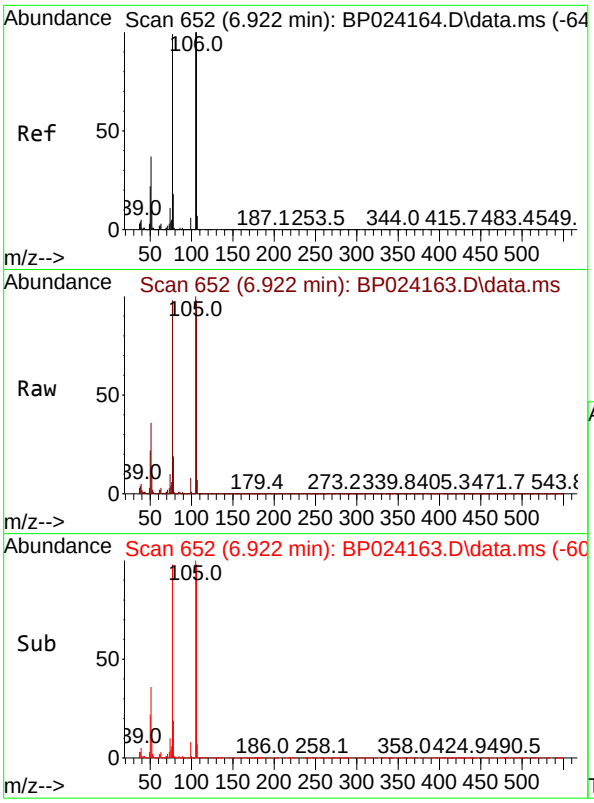




#8
2-Chlorophenol
Concen: 20.827 ng
RT: 7.340 min Scan# 723
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



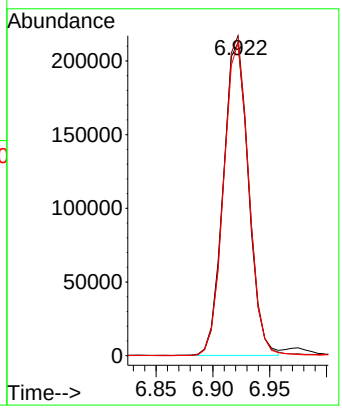


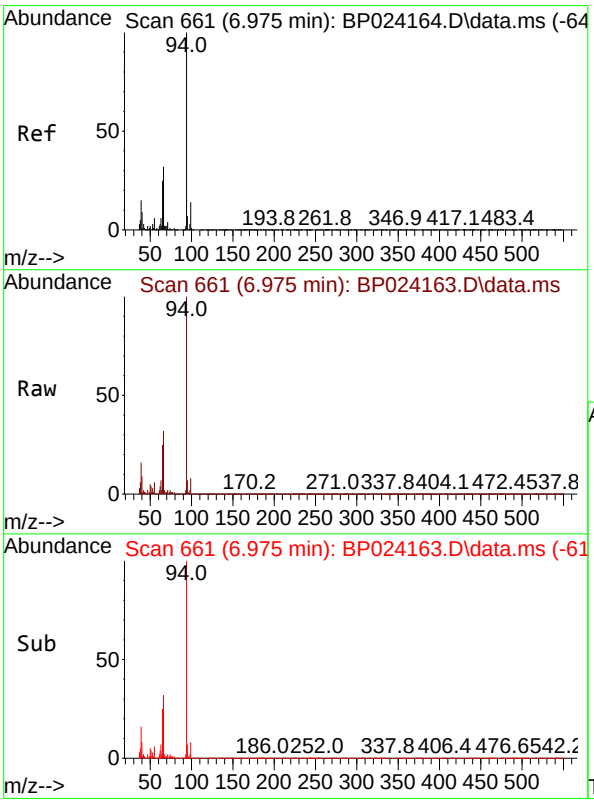

#9
Benzaldehyde
Concen: 24.728 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

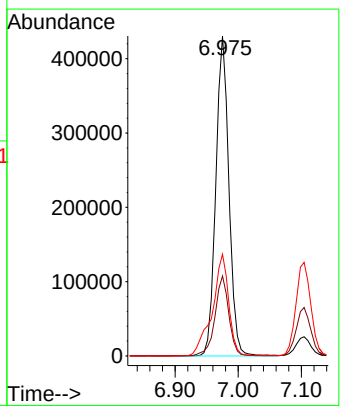


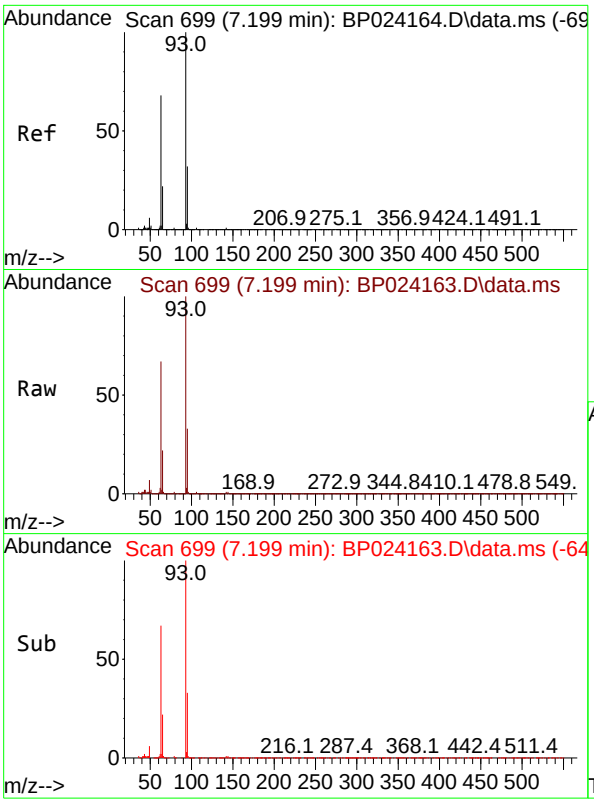




#10
Phenol
Concen: 21.173 ng
RT: 6.975 min Scan# 661
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



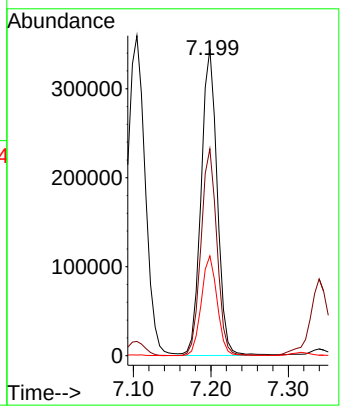


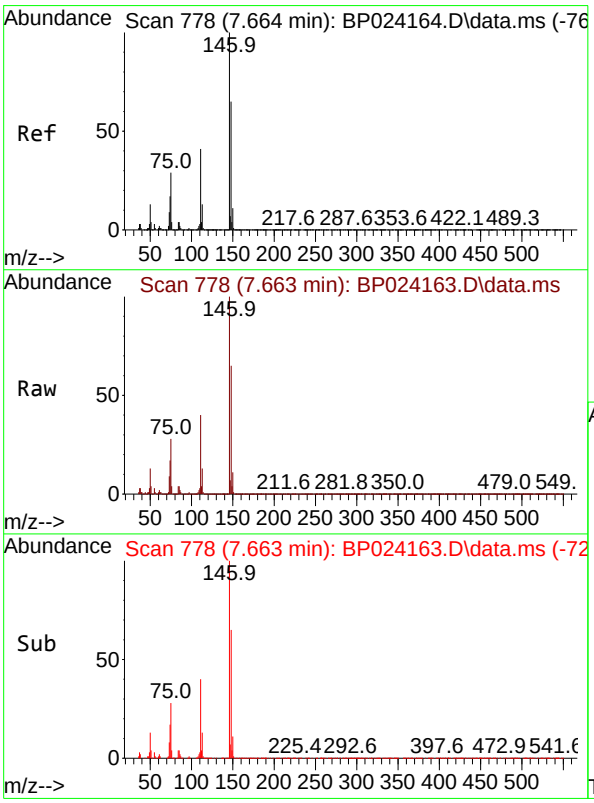

#11
bis(2-Chloroethyl)ether
Concen: 21.565 ng
RT: 7.199 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

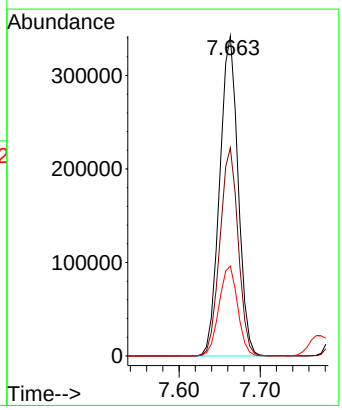


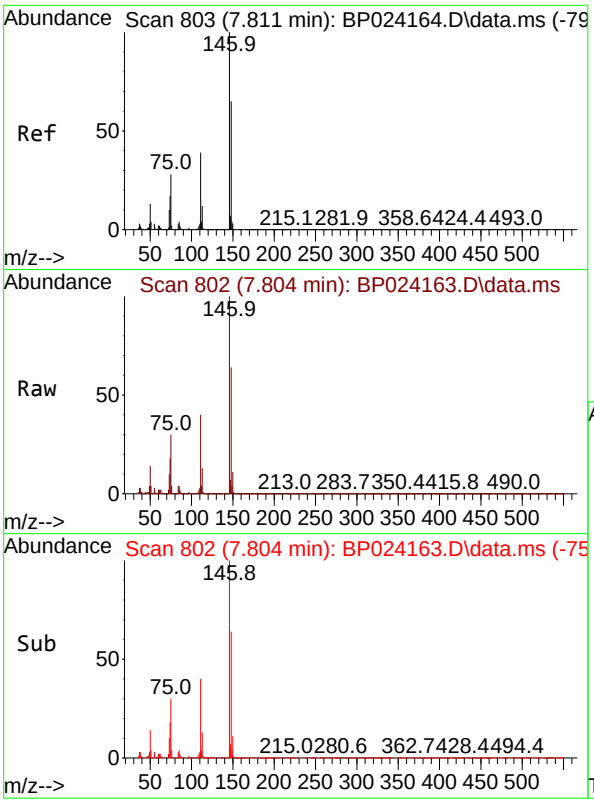




#12
1,3-Dichlorobenzene
Concen: 20.418 ng
RT: 7.663 min Scan# 778
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



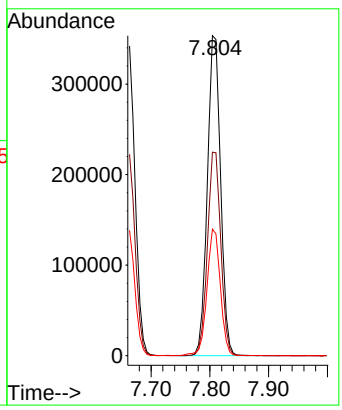


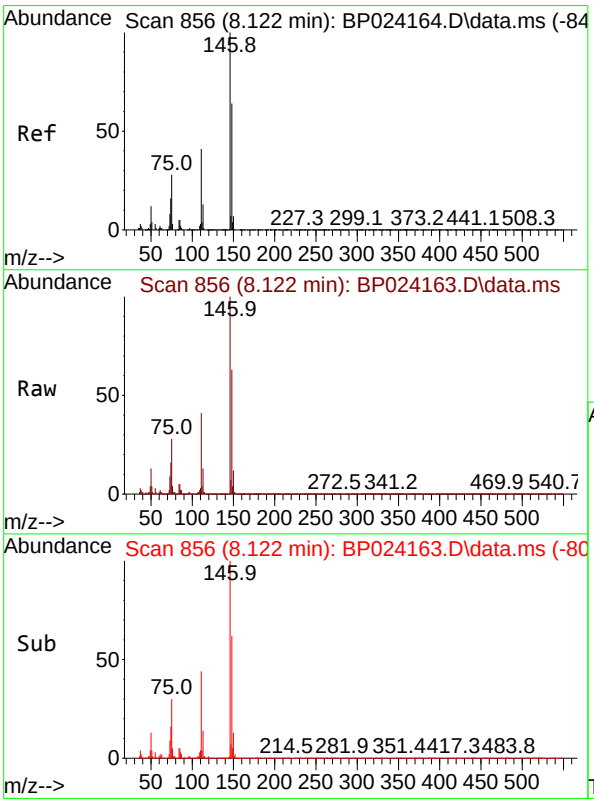

#13
1,4-Dichlorobenzene
Concen: 20.733 ng
RT: 7.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

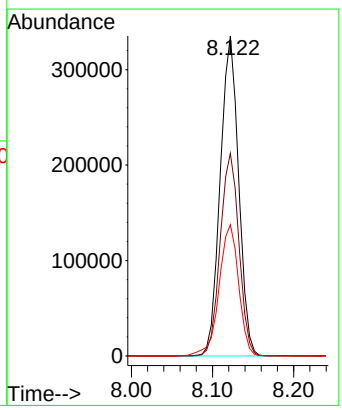


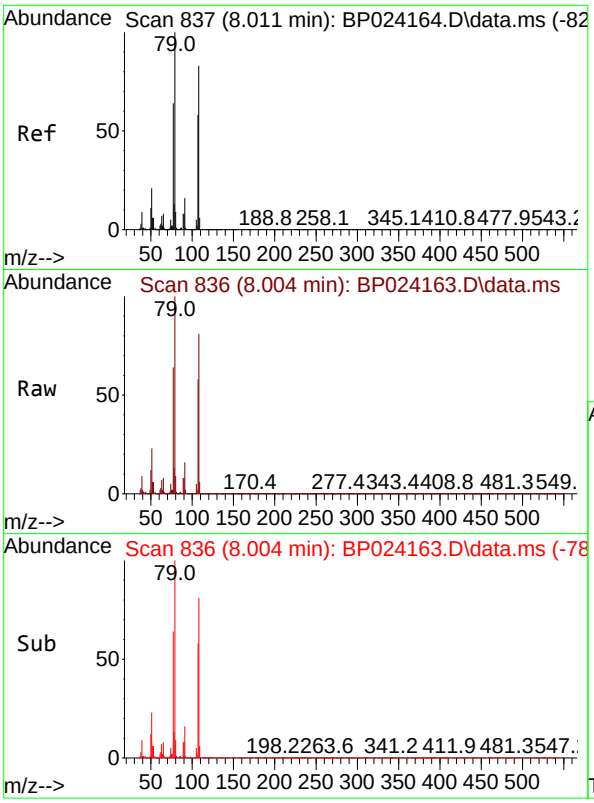




#14
1,2-Dichlorobenzene
Concen: 20.654 ng
RT: 8.122 min Scan# 856
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



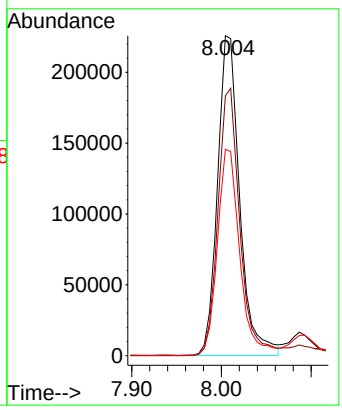


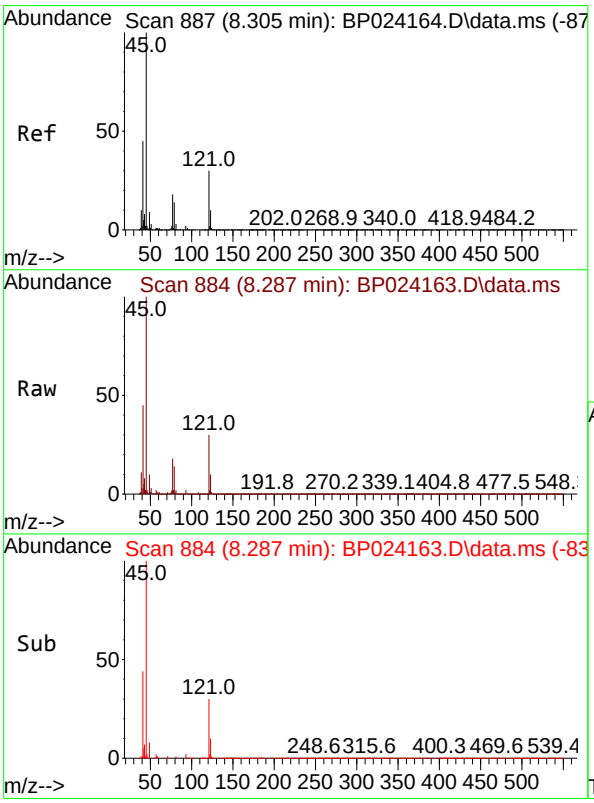

#15
Benzyl Alcohol
Concen: 21.735 ng
RT: 8.004 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

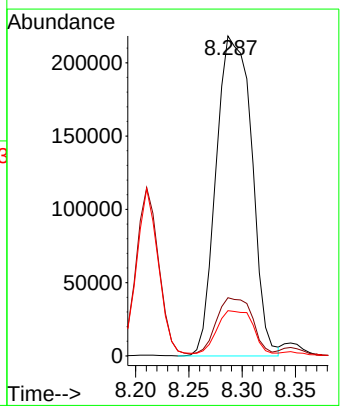


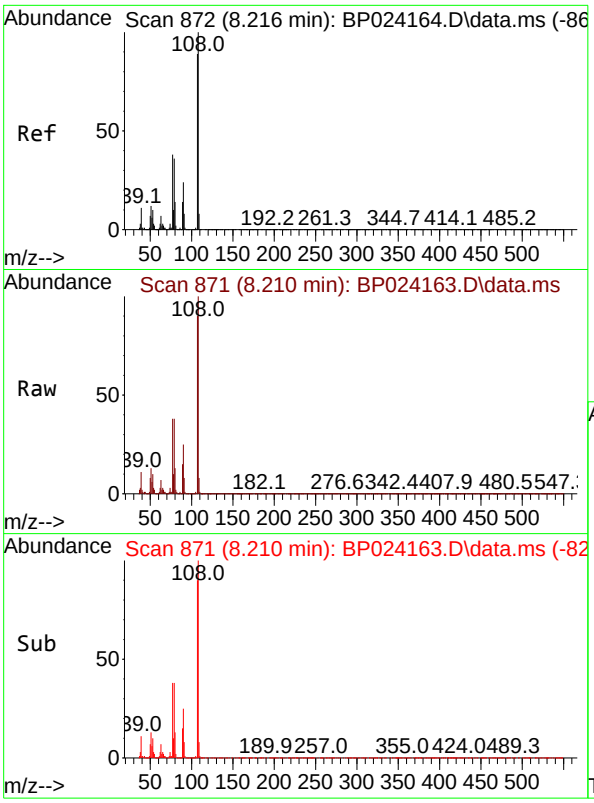




#16
2,2'-oxybis(1-Chloropropane)
Concen: 22.636 ng
RT: 8.287 min Scan# 884
Delta R.T. -0.018 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



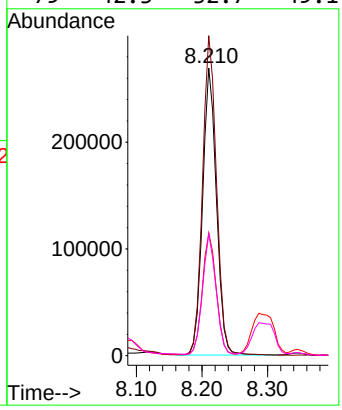


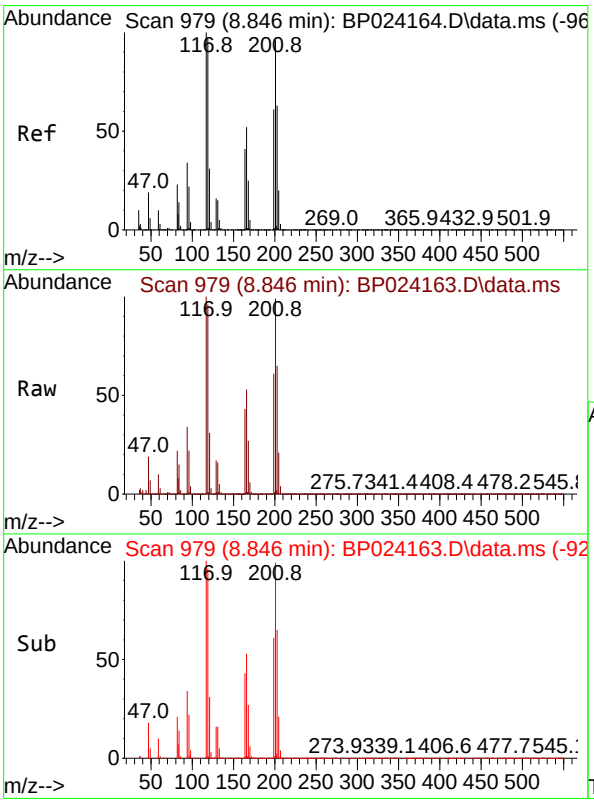

#17
2-Methylphenol
Concen: 22.190 ng
RT: 8.210 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

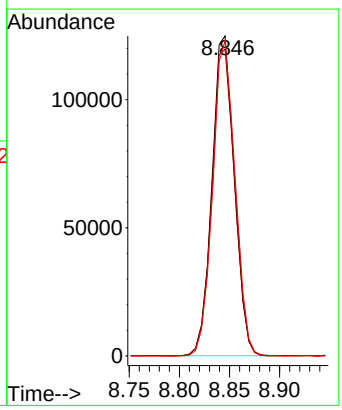


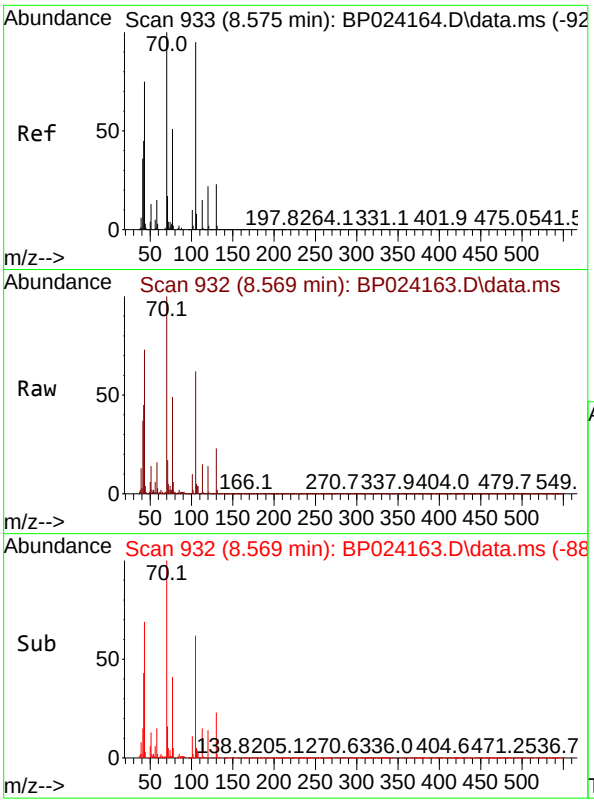




#18
Hexachloroethane
Concen: 20.172 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



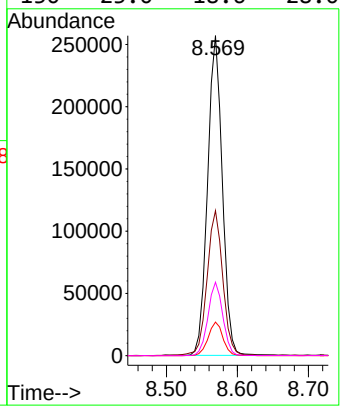


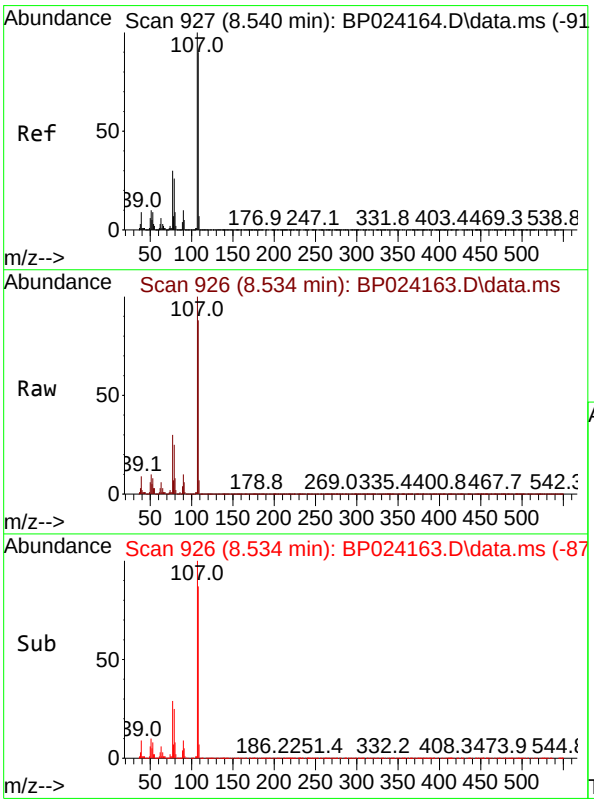

#19
n-Nitroso-di-n-propylamine
Concen: 23.663 ng
RT: 8.569 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

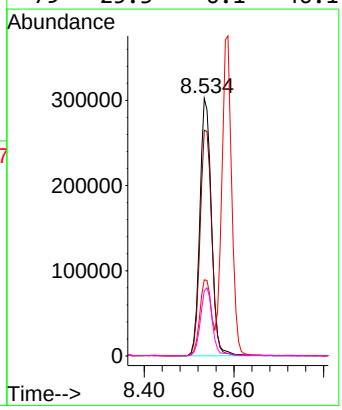


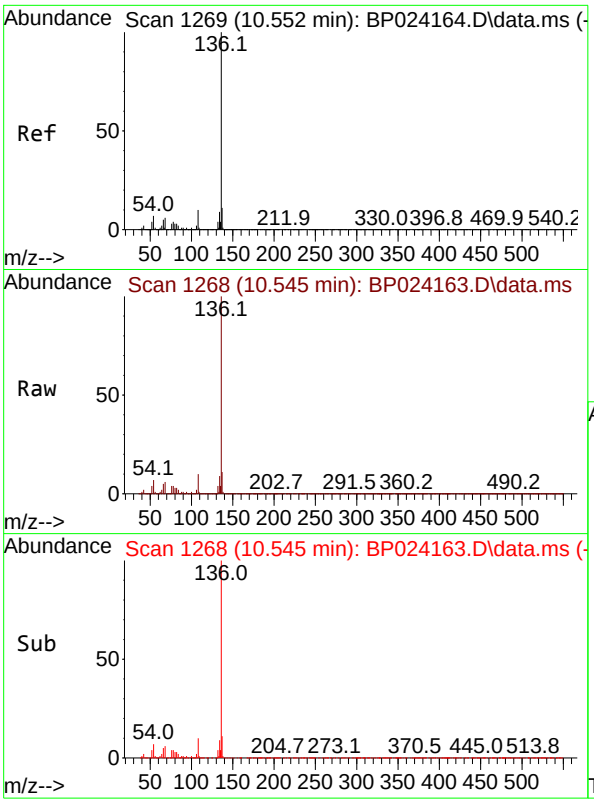




#20
3+4-Methylphenols
Concen: 22.289 ng
RT: 8.534 min Scan# 926
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



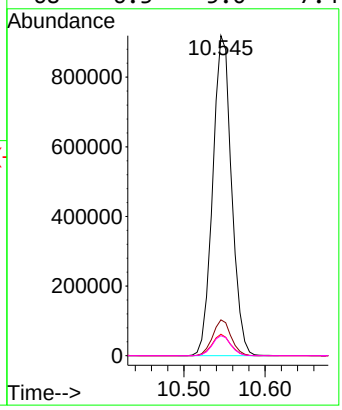


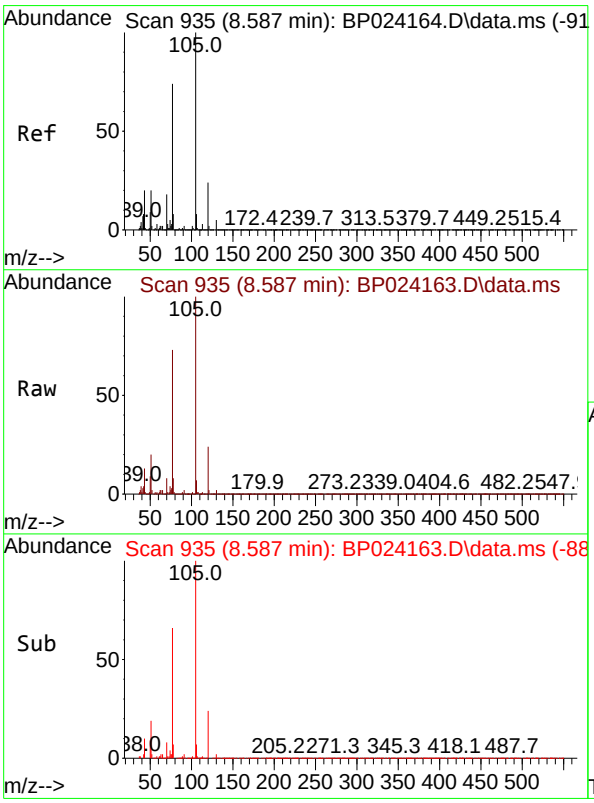

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

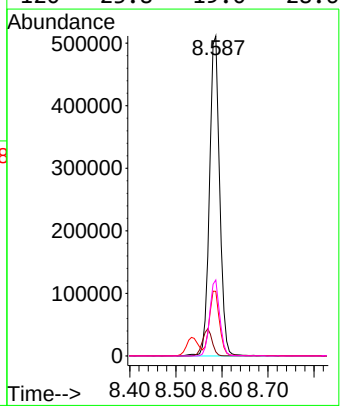


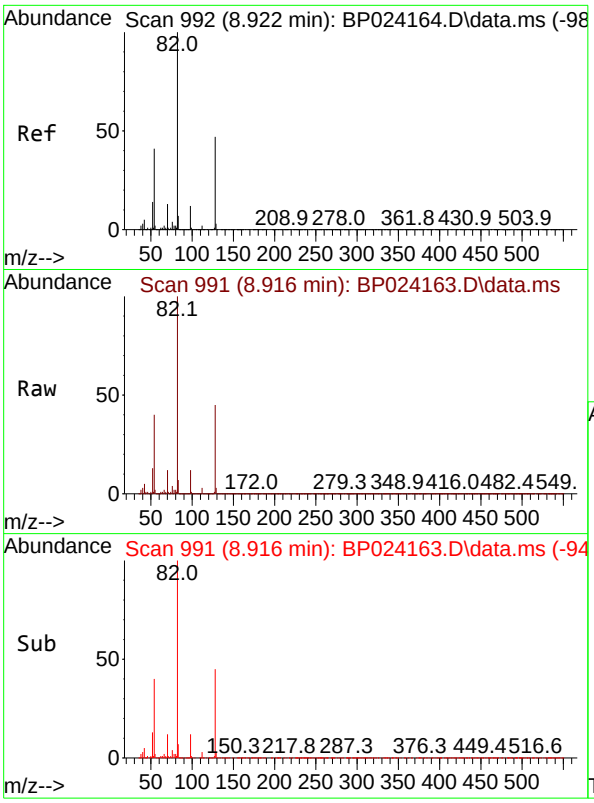




#22
Acetophenone
Concen: 20.677 ng
RT: 8.587 min Scan# 935
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



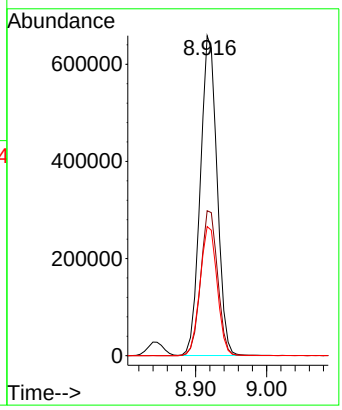


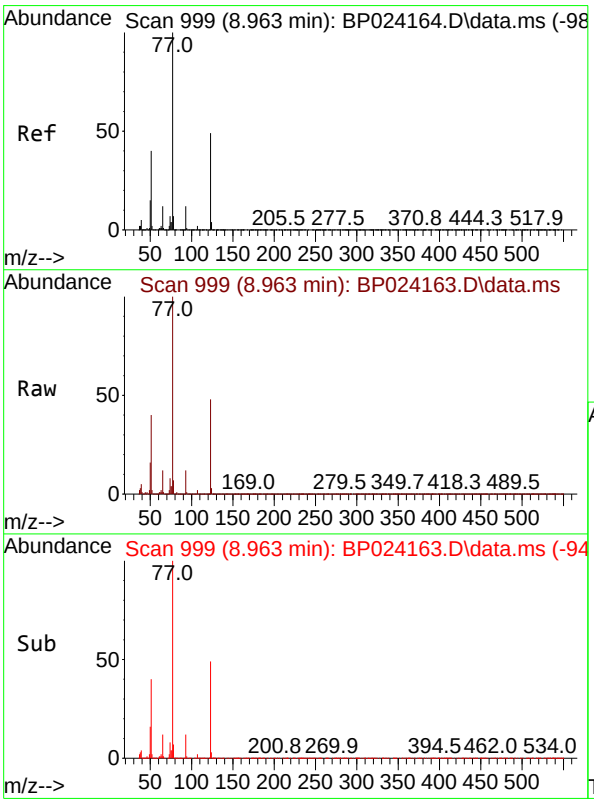

#23
Nitrobenzene-d5
Concen: 40.785 ng
RT: 8.916 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

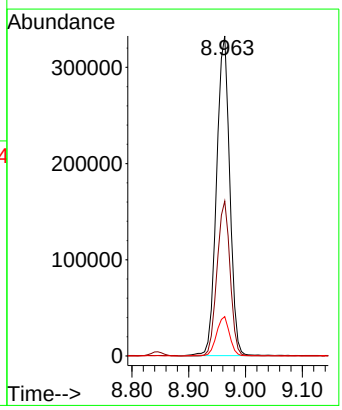


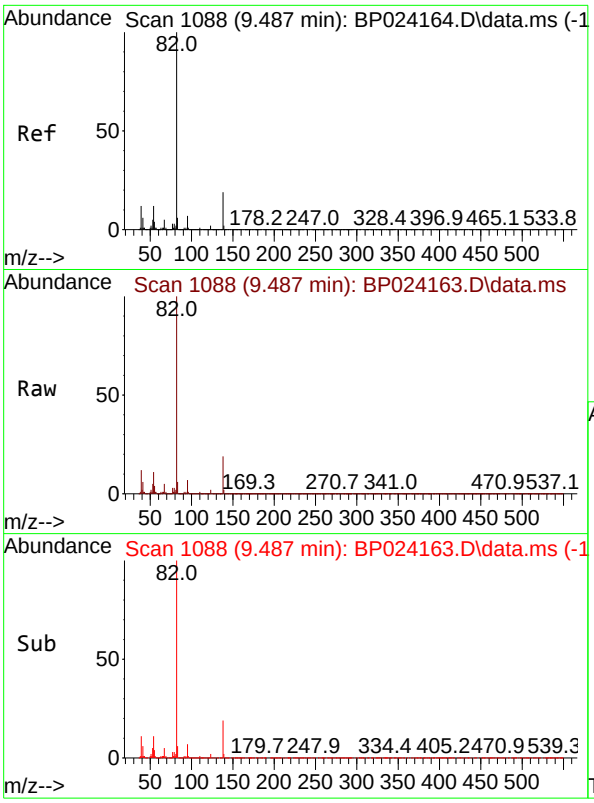




#24
Nitrobenzene
Concen: 20.529 ng
RT: 8.963 min Scan# 999
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



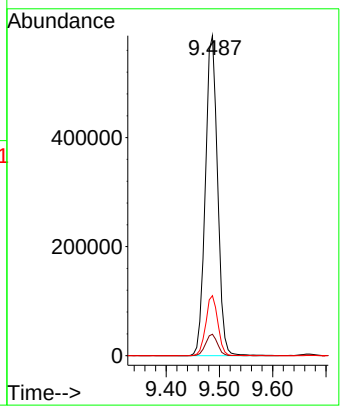


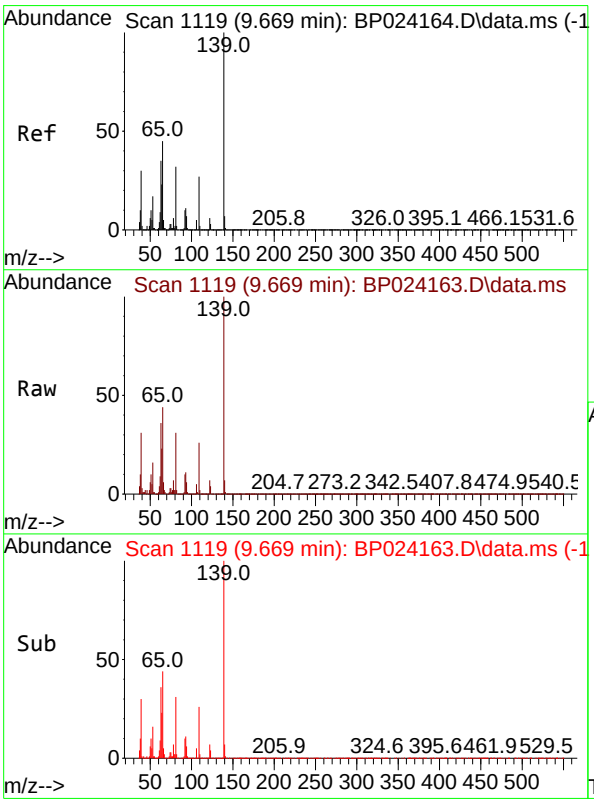

#25
Isophorone
Concen: 21.523 ng
RT: 9.487 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

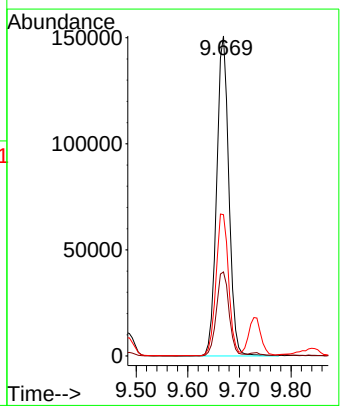


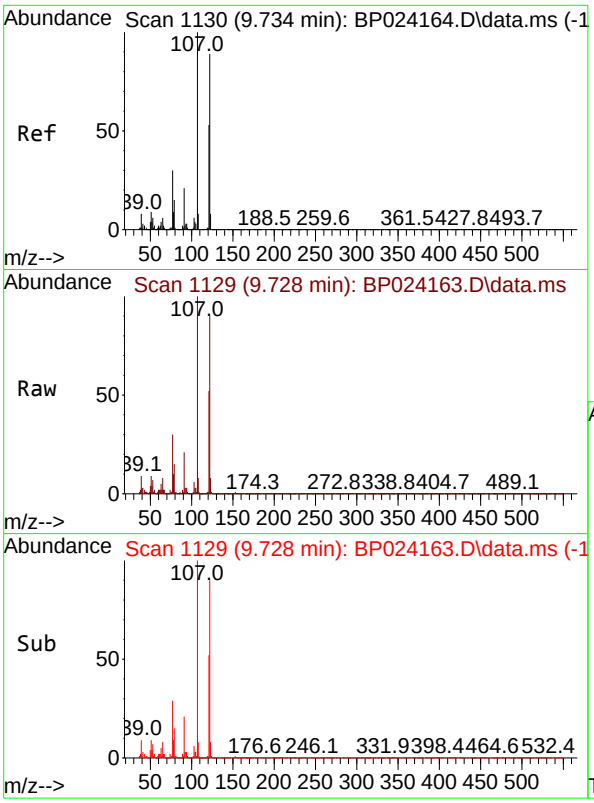




#26
2-Nitrophenol
Concen: 20.534 ng
RT: 9.669 min Scan# 1119
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



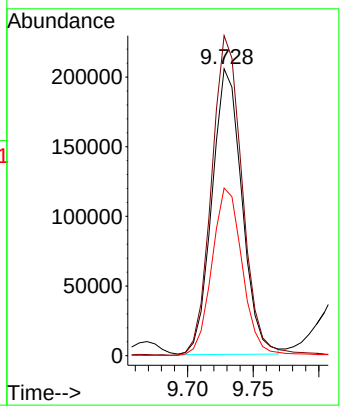


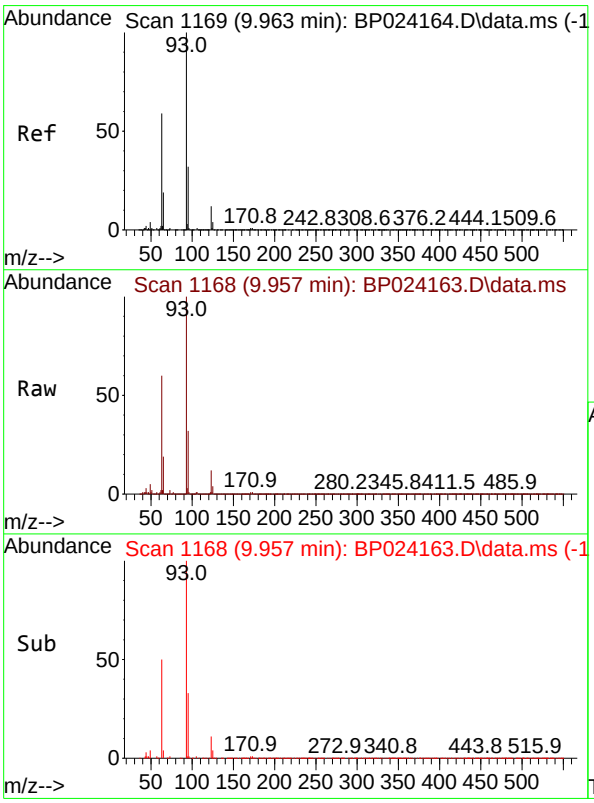

#27
2,4-Dimethylphenol
Concen: 20.646 ng
RT: 9.728 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

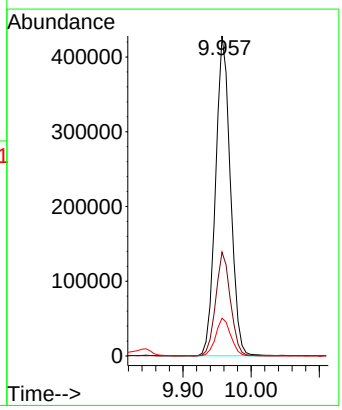


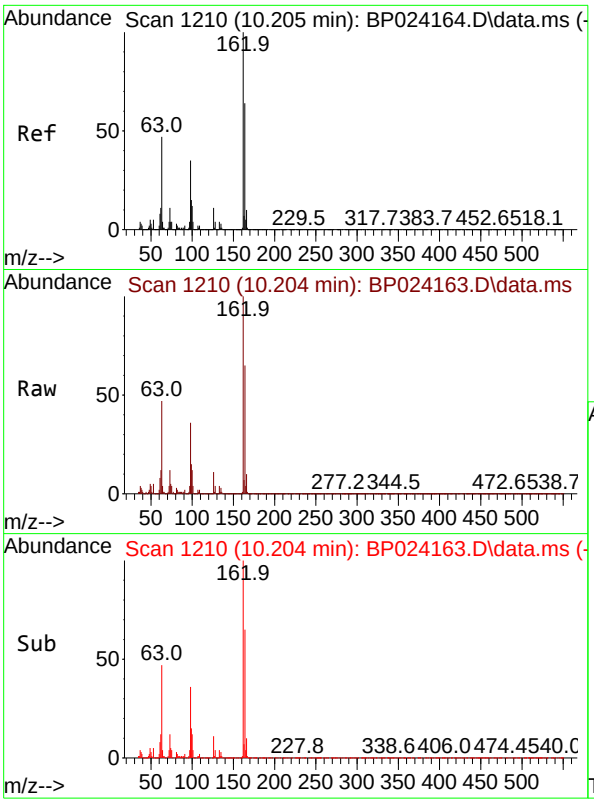




#28
bis(2-Chloroethoxy)methane
Concen: 20.649 ng
RT: 9.957 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



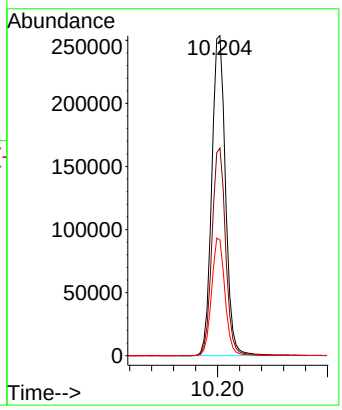


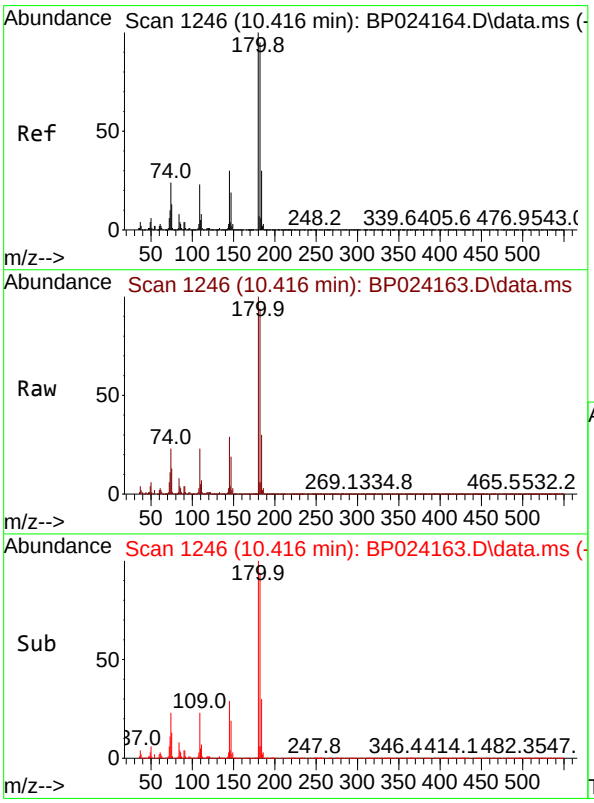

#29
2,4-Dichlorophenol
Concen: 20.457 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

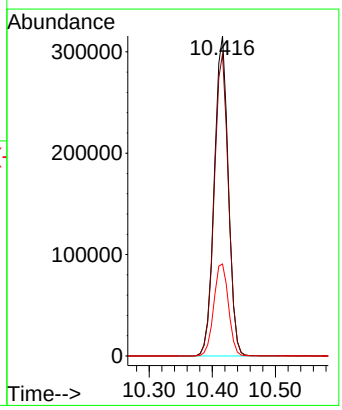


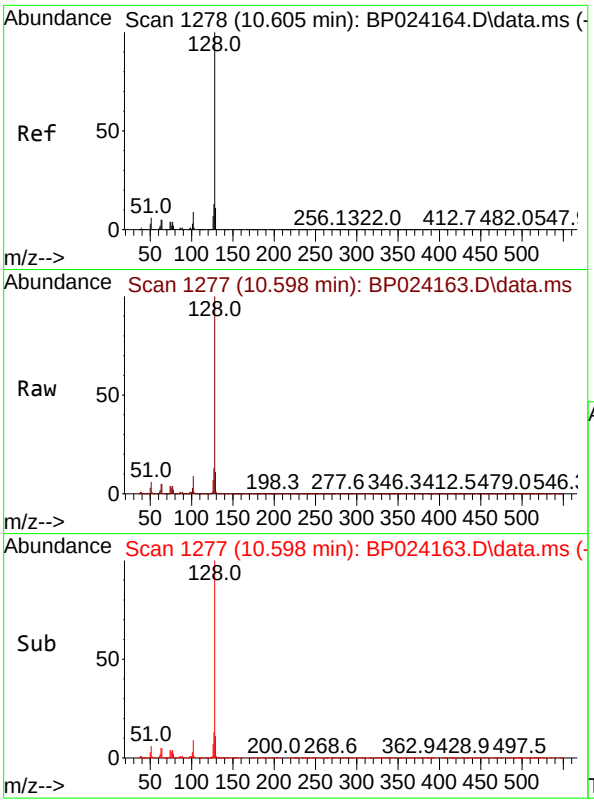




#30
1,2,4-Trichlorobenzene
Concen: 19.702 ng
RT: 10.416 min Scan# 1246
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



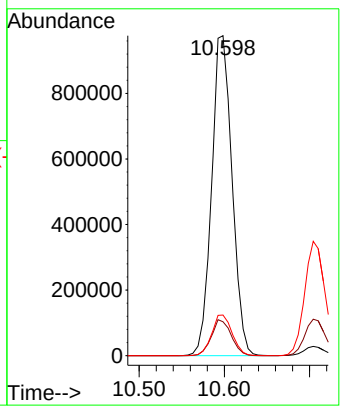


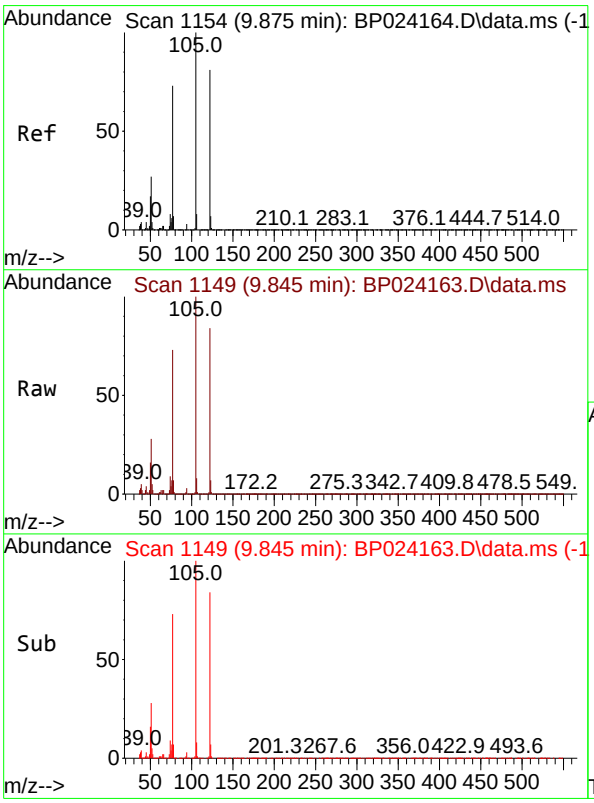

#31
Naphthalene
Concen: 20.436 ng
RT: 10.598 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

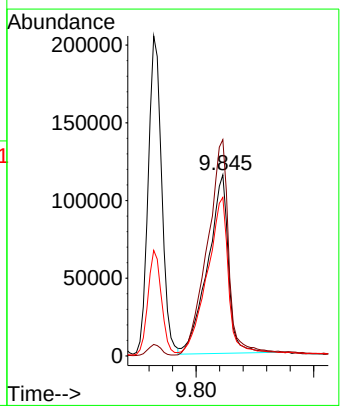


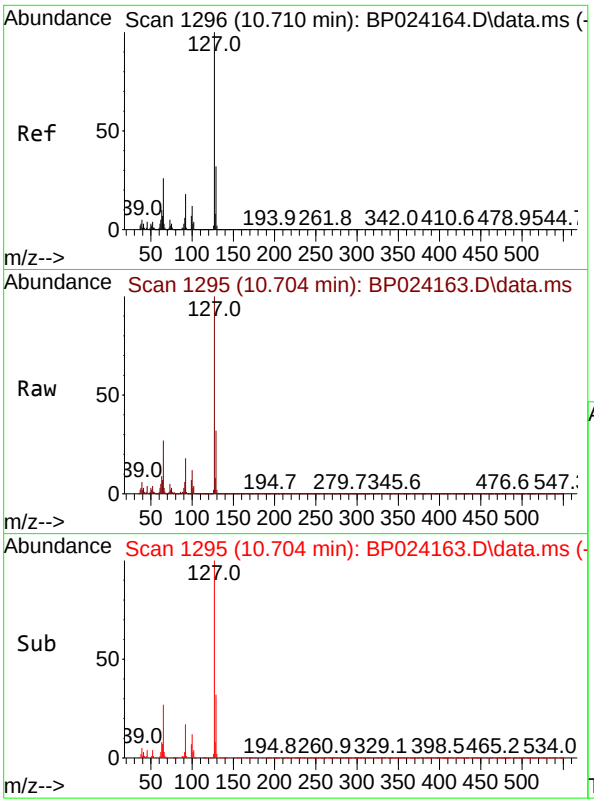




#32
Benzoic acid
Concen: 19.396 ng
RT: 9.845 min Scan# 1149
Delta R.T. -0.030 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



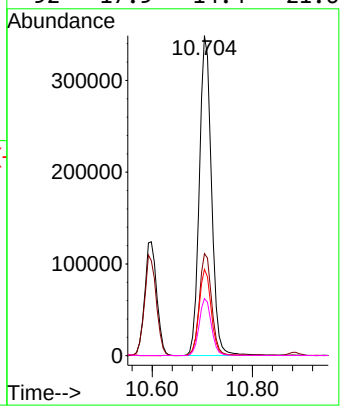


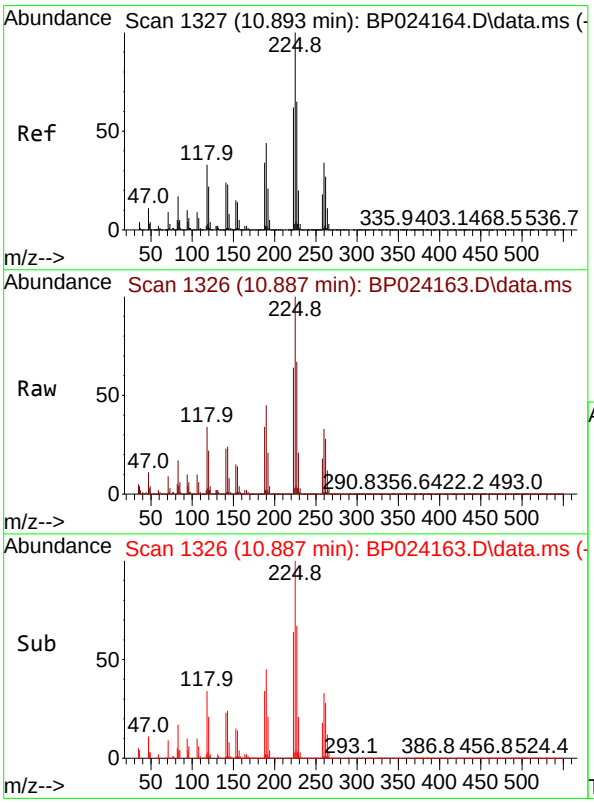

#33
4-Chloroaniline
Concen: 20.980 ng
RT: 10.704 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

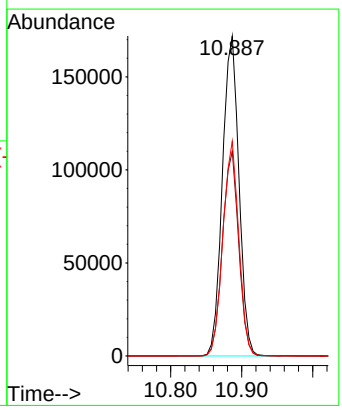


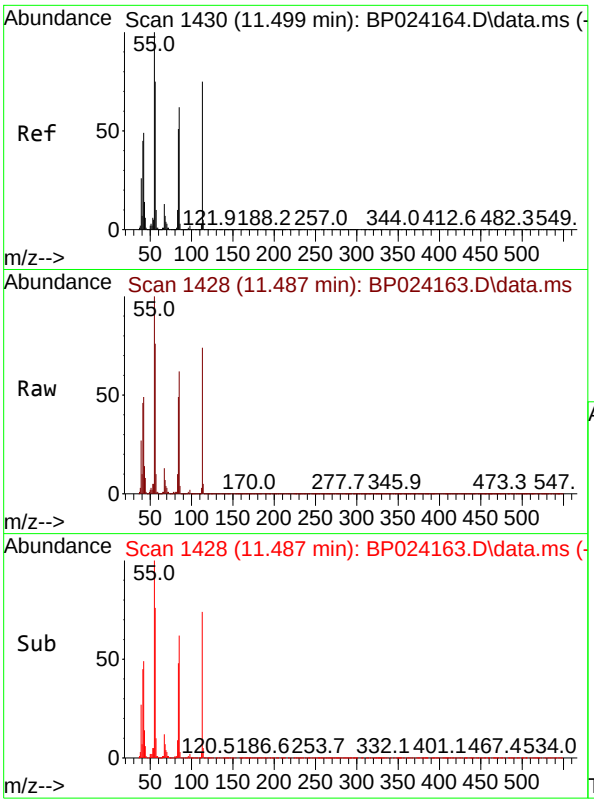




#34
Hexachlorobutadiene
Concen: 19.369 ng
RT: 10.887 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



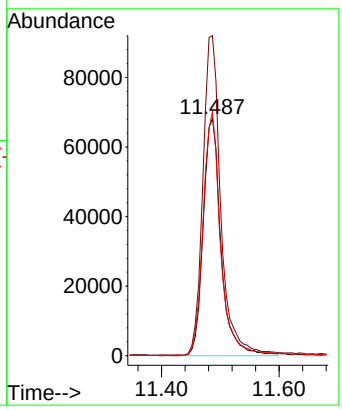


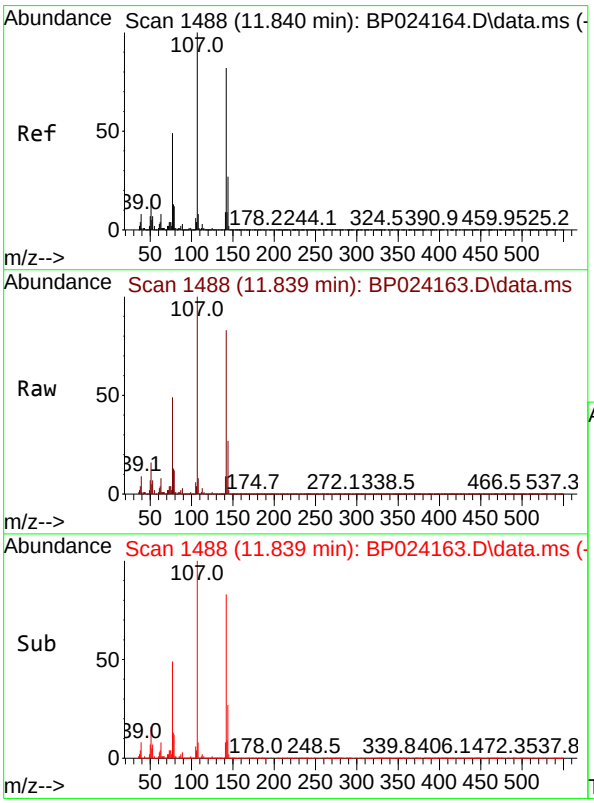

#35
Caprolactam
Concen: 21.924 ng
RT: 11.487 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

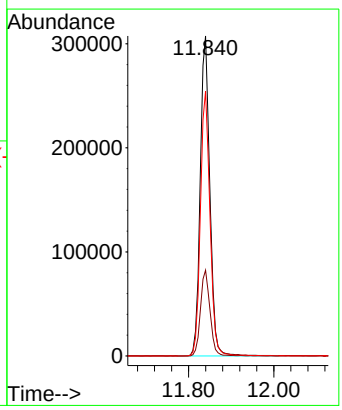


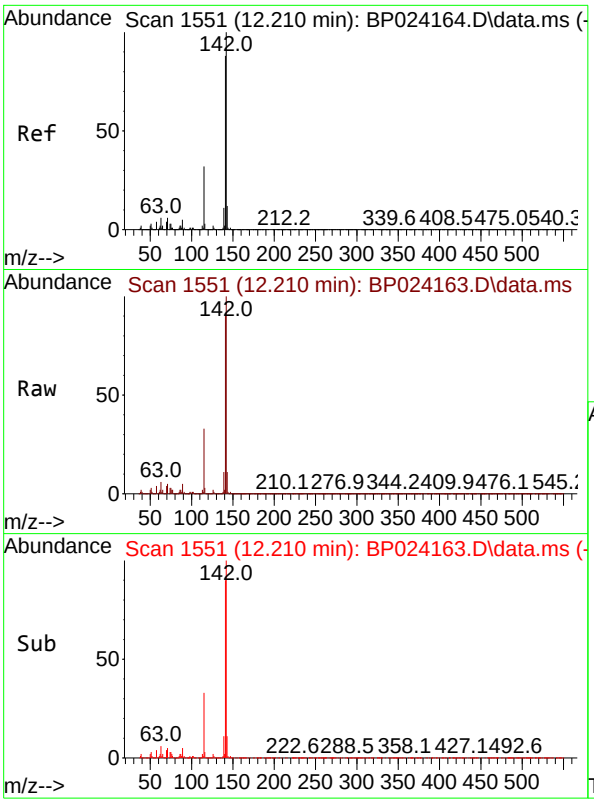




#36
4-Chloro-3-methylphenol
Concen: 21.674 ng
RT: 11.839 min Scan# 1488
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



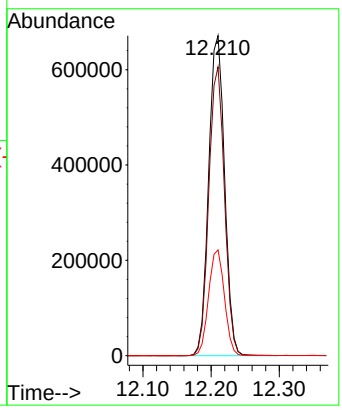


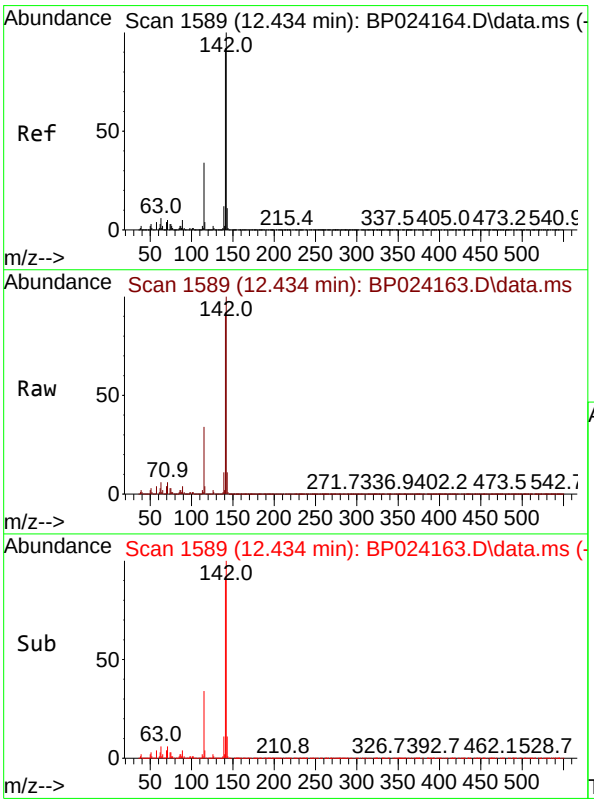

#37
2-Methylnaphthalene
Concen: 20.630 ng
RT: 12.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

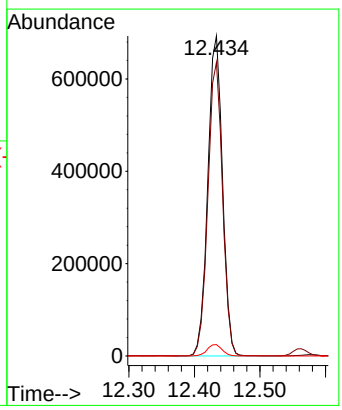


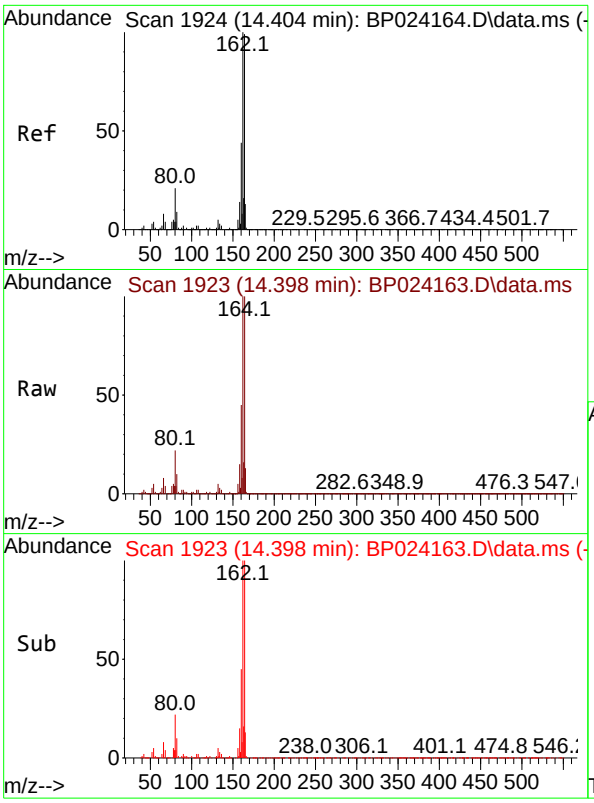




#38
1-Methylnaphthalene
Concen: 20.936 ng
RT: 12.434 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



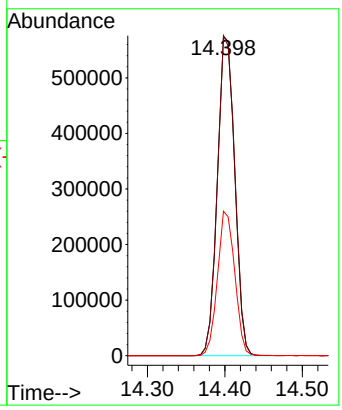


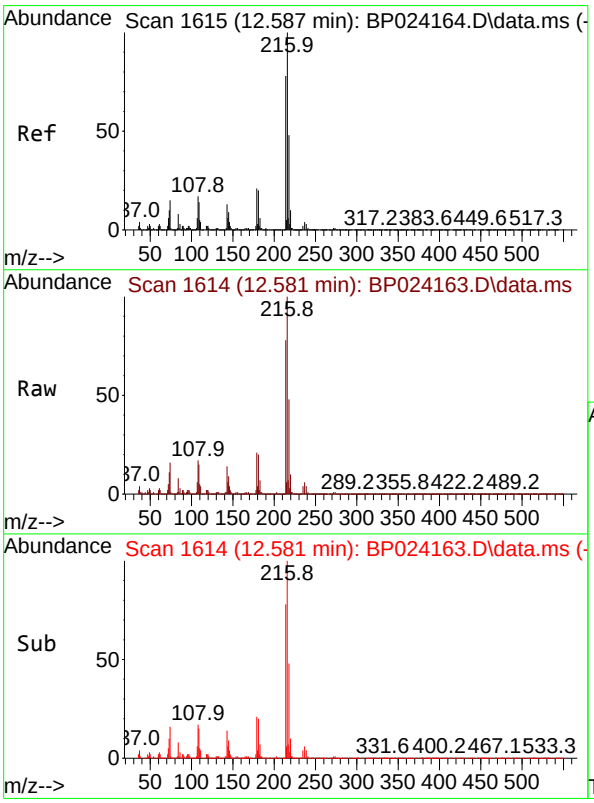

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

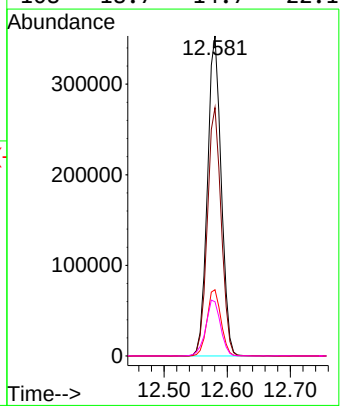


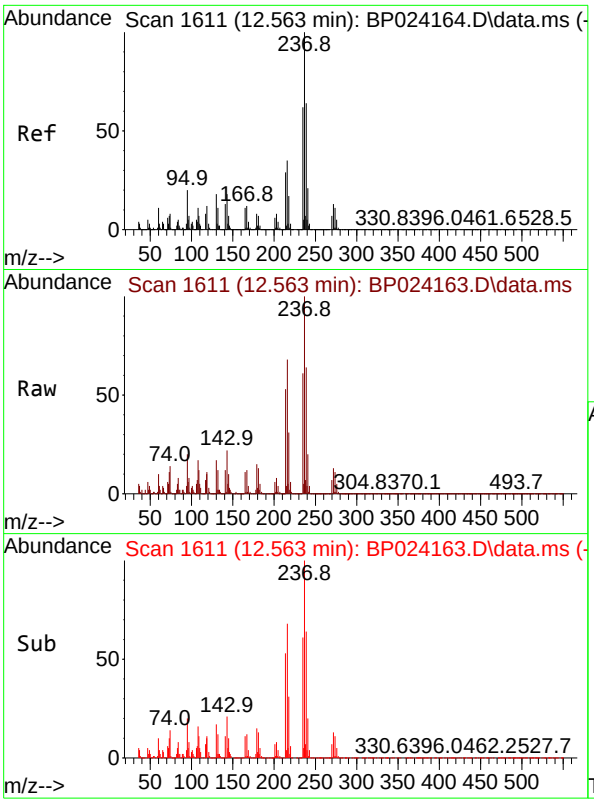




#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.394 ng
RT: 12.581 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



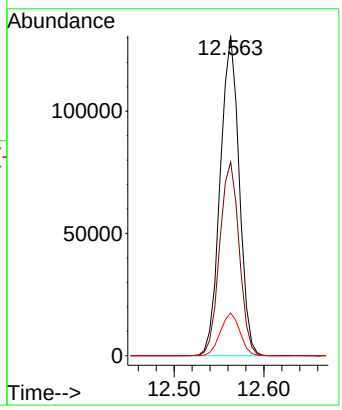


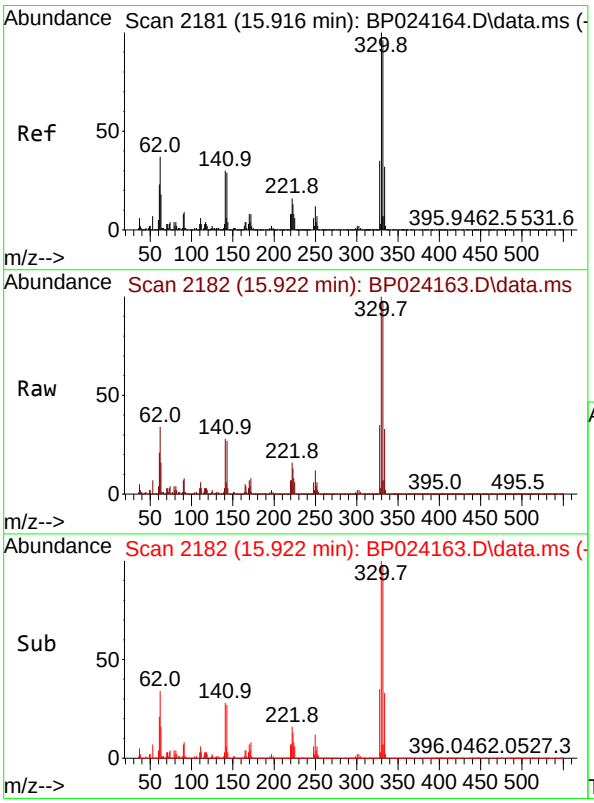

#41
Hexachlorocyclopentadiene
Concen: 18.697 ng
RT: 12.563 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

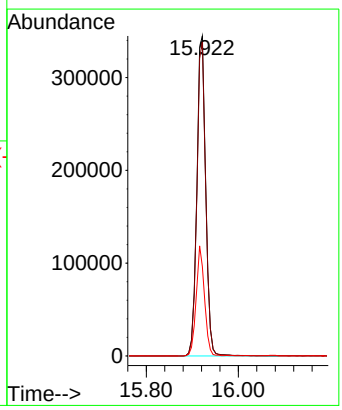


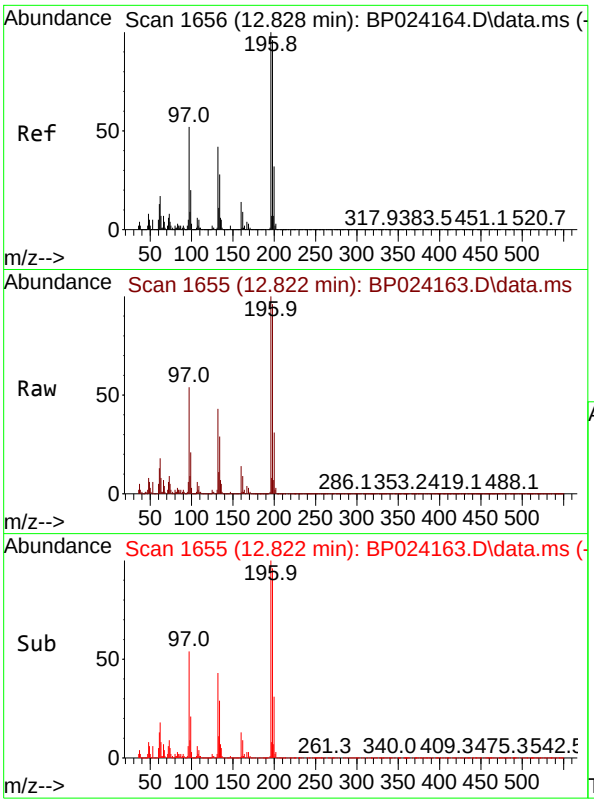




#42
2,4,6-Tribromophenol
Concen: 41.861 ng
RT: 15.922 min Scan# 2182
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



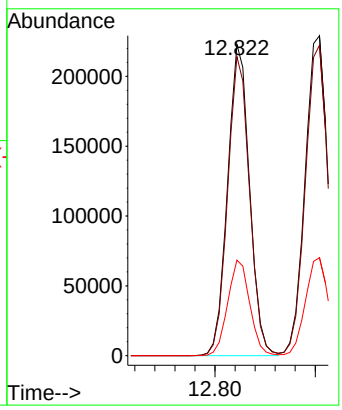


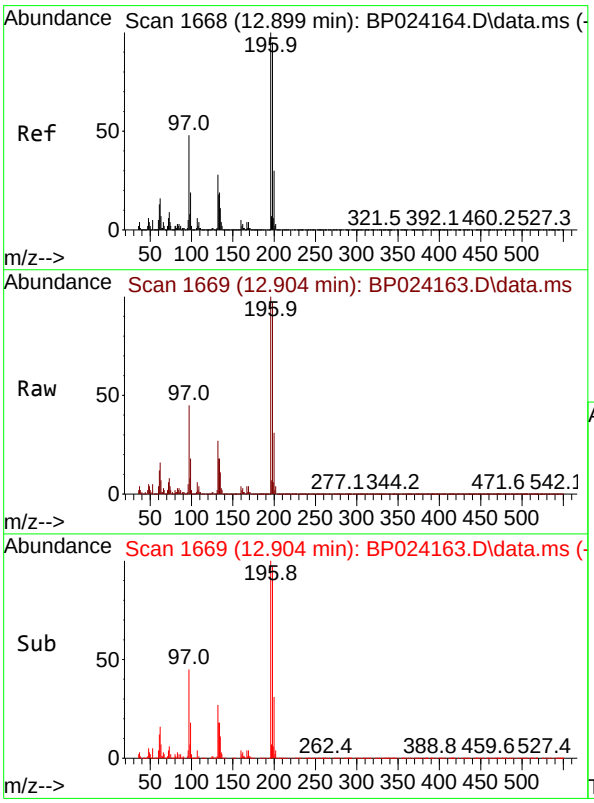

#43
2,4,6-Trichlorophenol
Concen: 20.216 ng
RT: 12.822 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

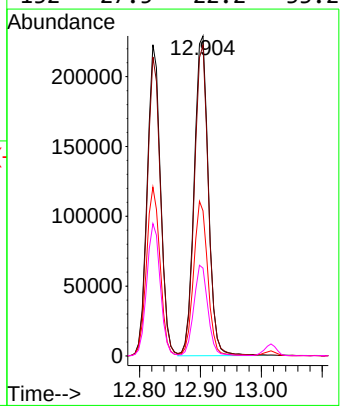


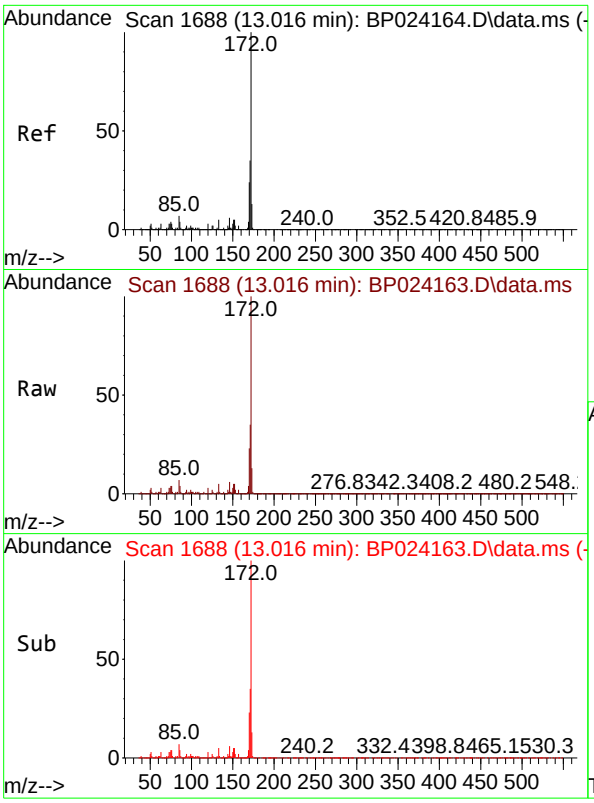




#44
2,4,5-Trichlorophenol
Concen: 20.184 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



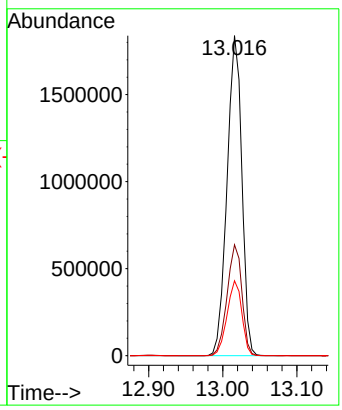


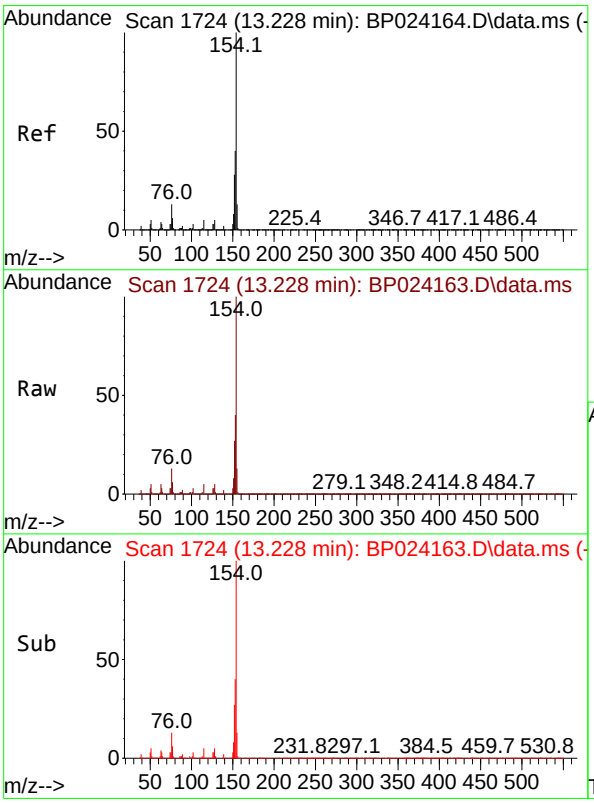

#45
2-Fluorobiphenyl
Concen: 39.695 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

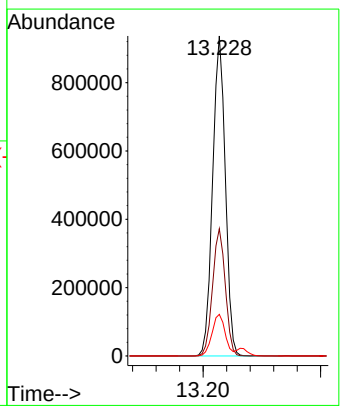


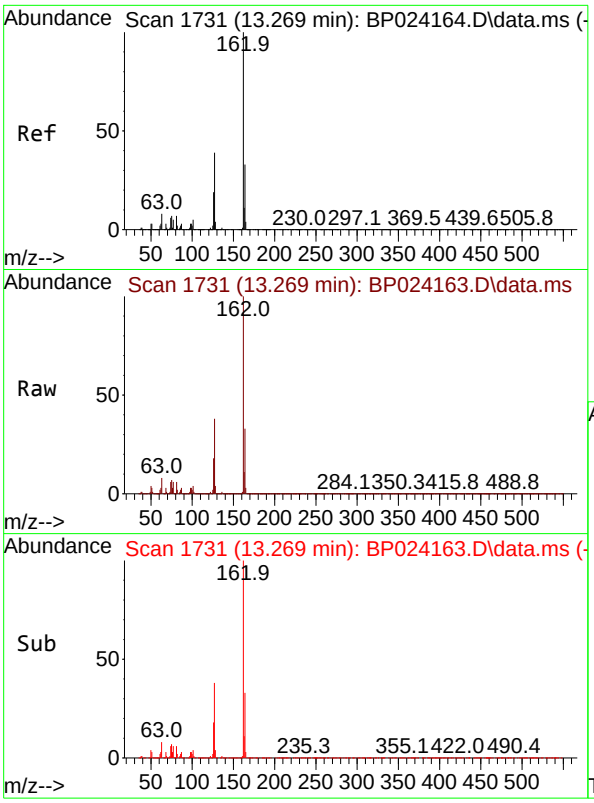




#46
1,1'-Biphenyl
Concen: 20.152 ng
RT: 13.228 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



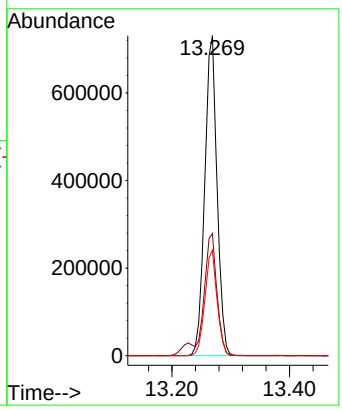


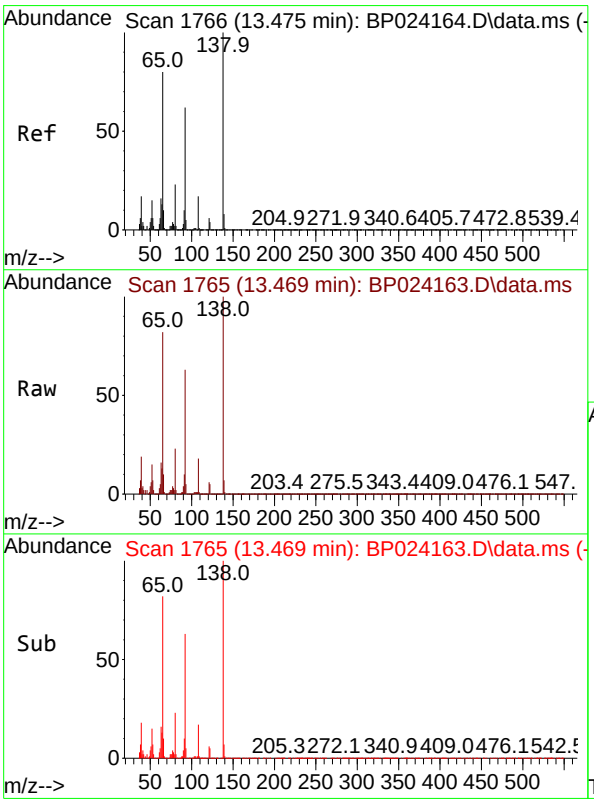

#47
2-Chloronaphthalene
Concen: 20.083 ng
RT: 13.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

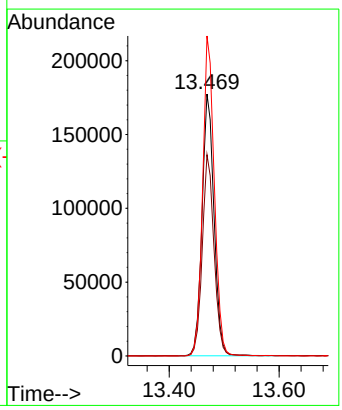


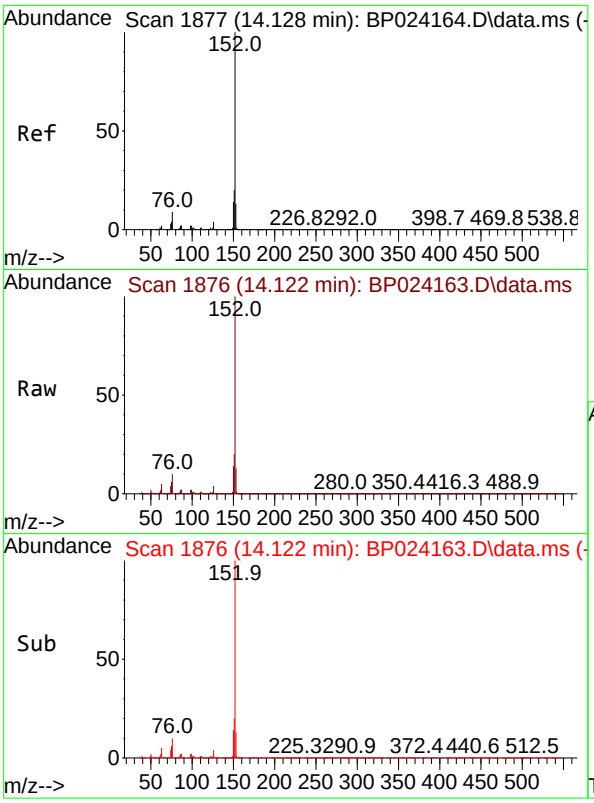




#48
2-Nitroaniline
Concen: 21.595 ng
RT: 13.469 min Scan# 1765
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



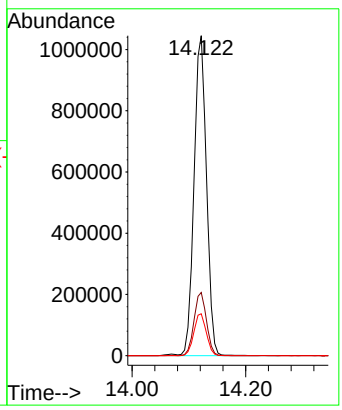


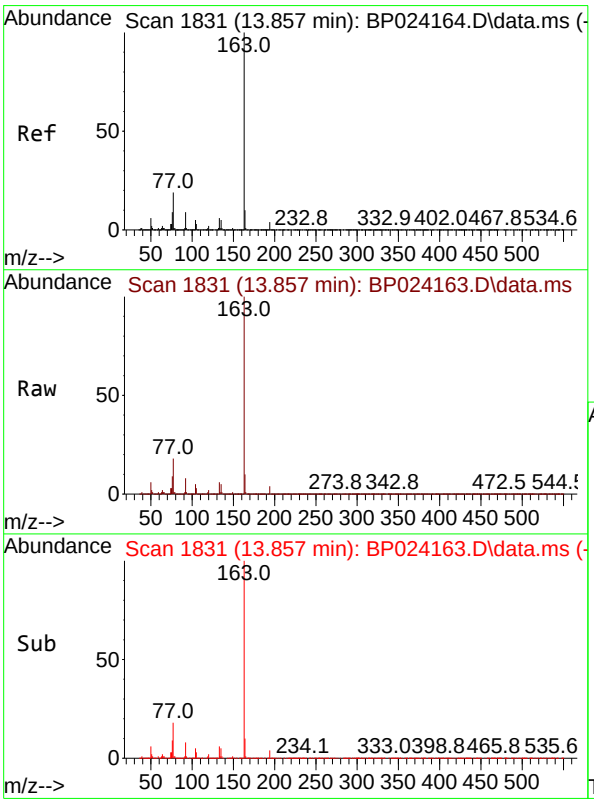

#49
Acenaphthylene
Concen: 20.517 ng
RT: 14.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

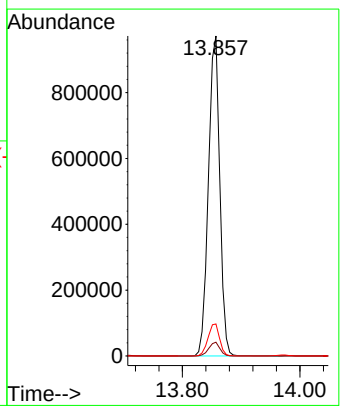


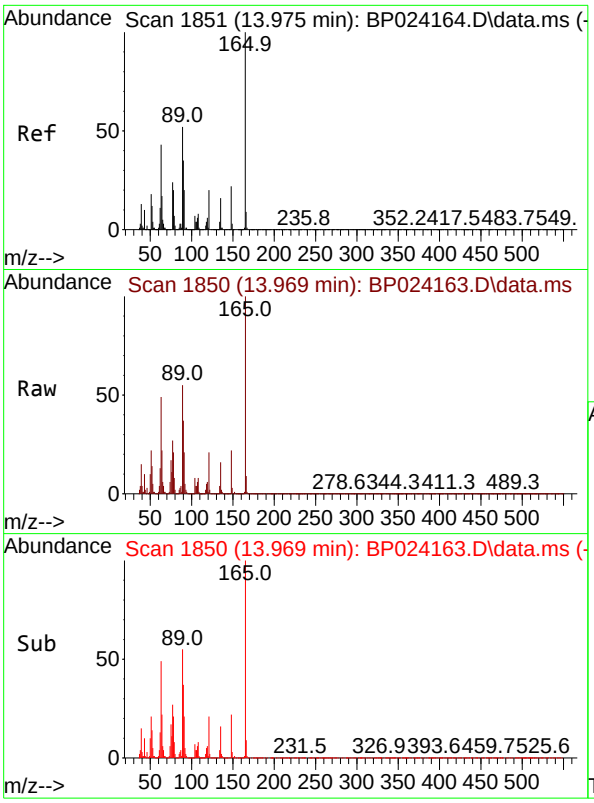




#50
Dimethylphthalate
Concen: 20.677 ng
RT: 13.857 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



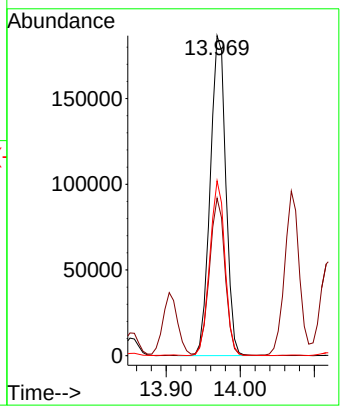


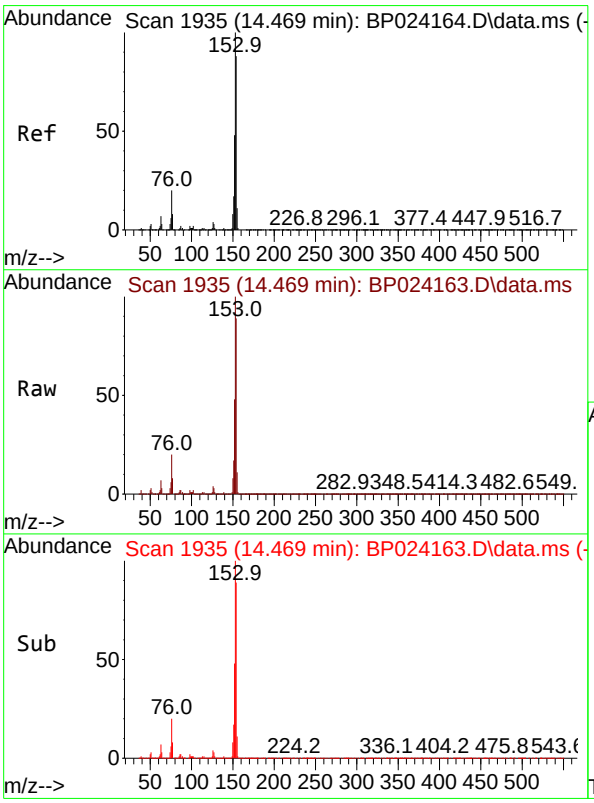

#51
2,6-Dinitrotoluene
Concen: 21.122 ng
RT: 13.969 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

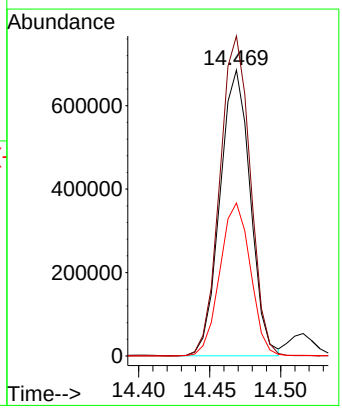


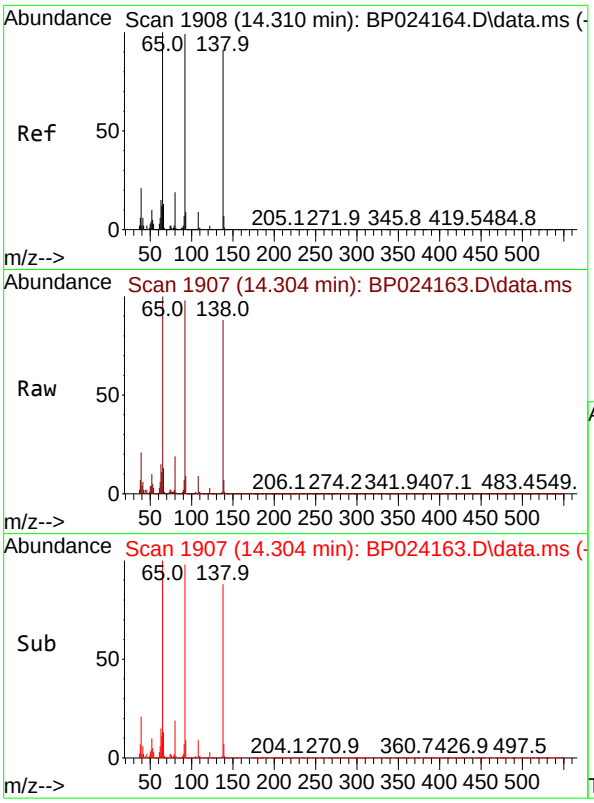




#52
Acenaphthene
Concen: 20.379 ng
RT: 14.469 min Scan# 1935
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



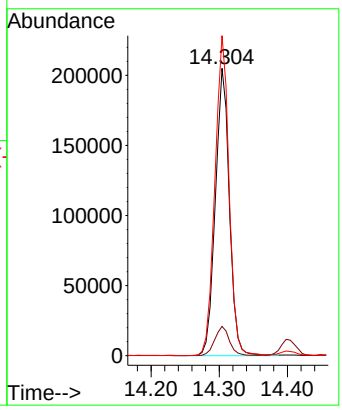


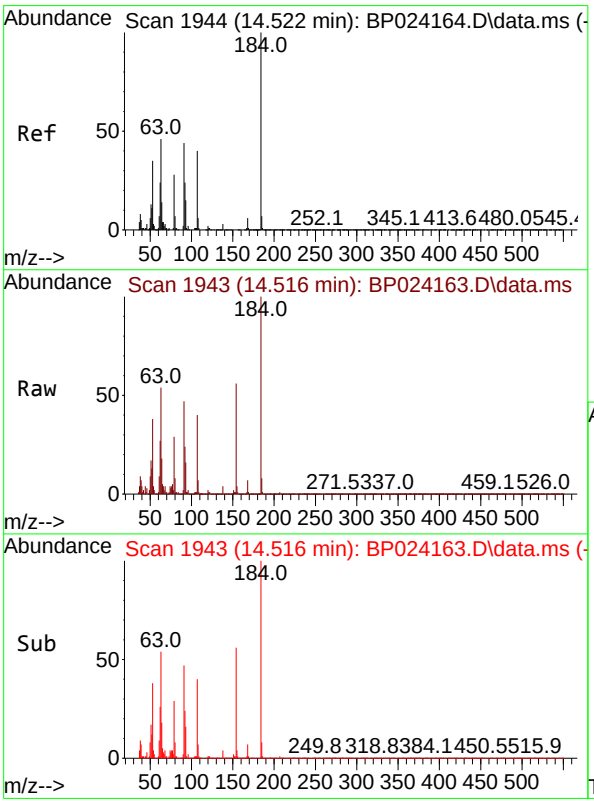

#53
3-Nitroaniline
Concen: 21.397 ng
RT: 14.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

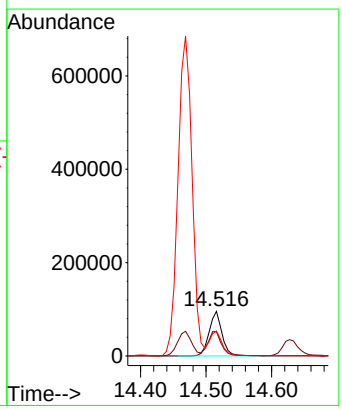


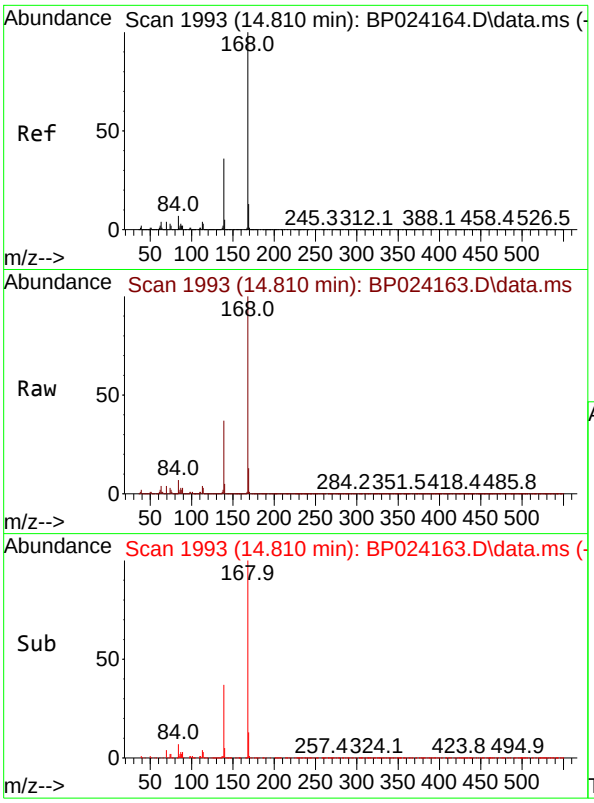




#54
2,4-Dinitrophenol
Concen: 19.074 ng
RT: 14.516 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



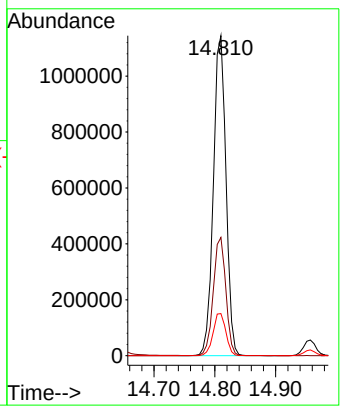


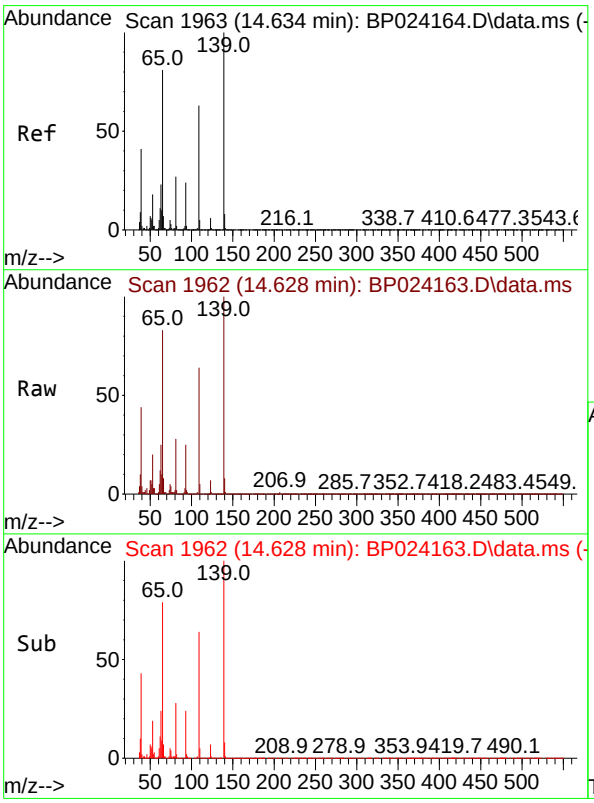

#55
Dibenzofuran
Concen: 20.264 ng
RT: 14.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

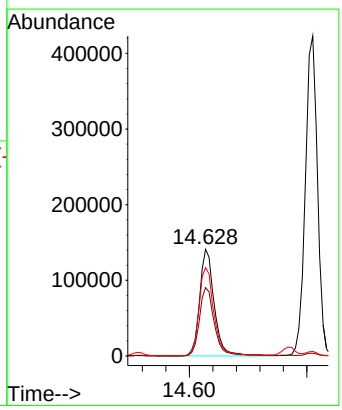


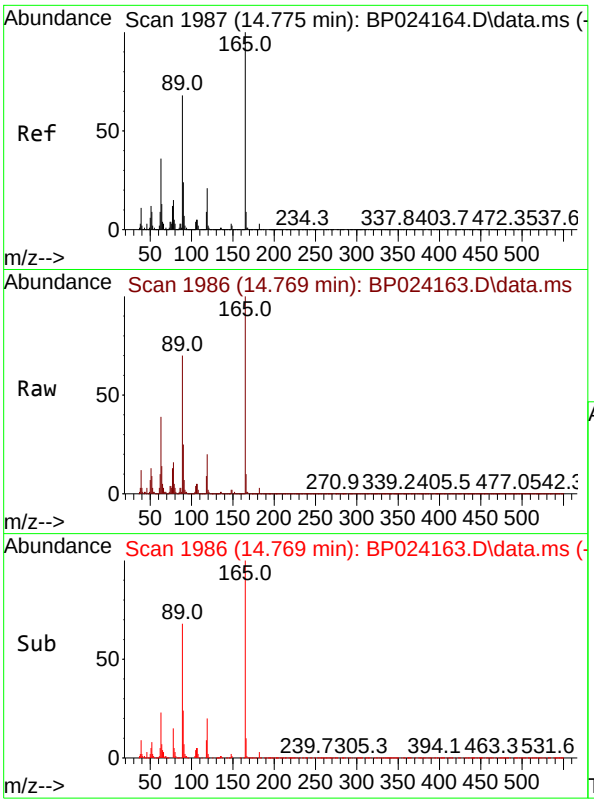




#56
4-Nitrophenol
Concen: 20.466 ng
RT: 14.628 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



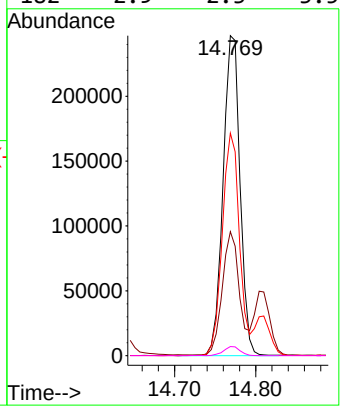


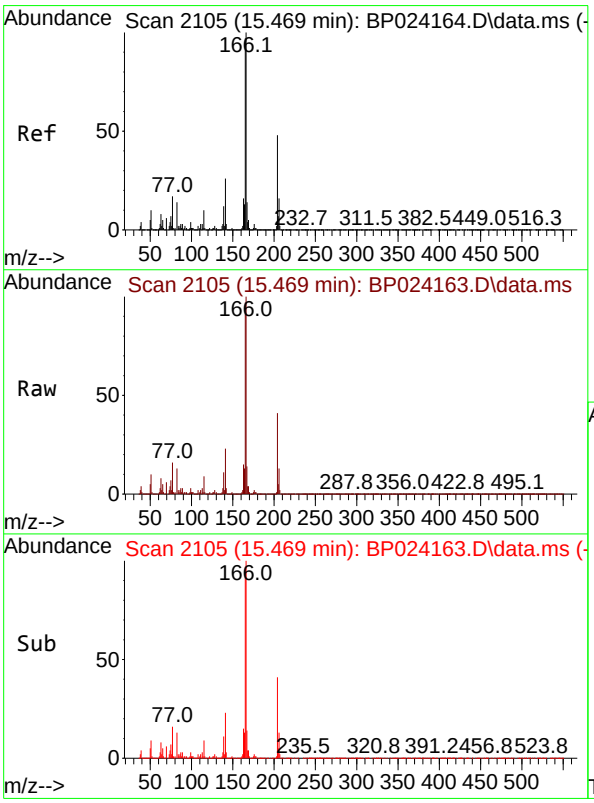

#57
2,4-Dinitrotoluene
Concen: 21.433 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

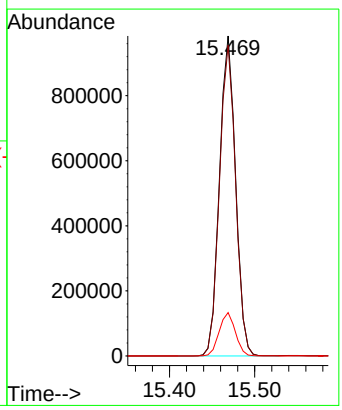


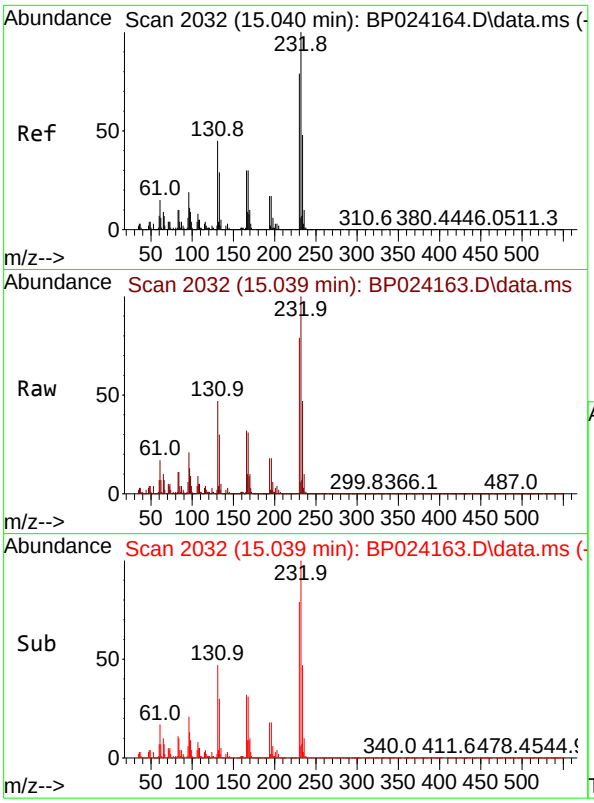




#58
Fluorene
Concen: 20.392 ng
RT: 15.469 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



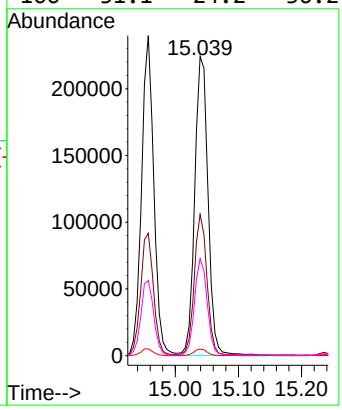


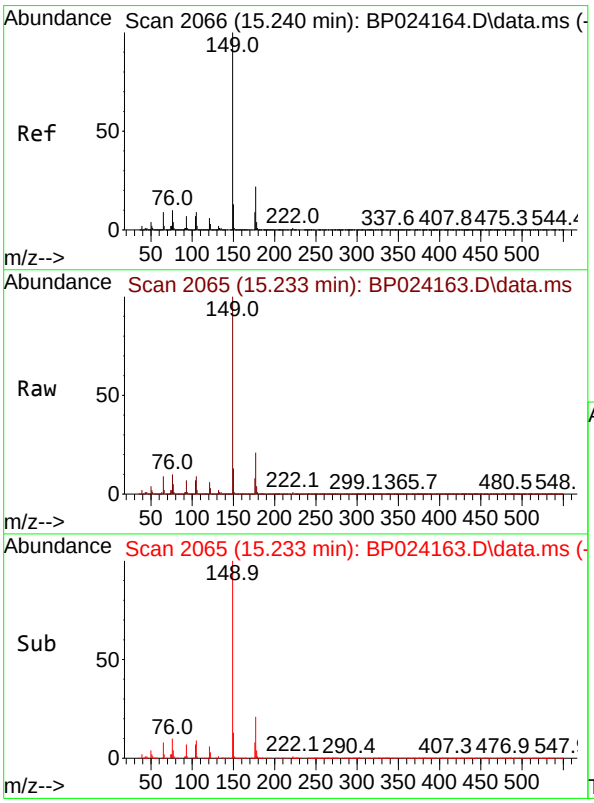

#59
2,3,4,6-Tetrachlorophenol
Concen: 20.514 ng
RT: 15.039 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

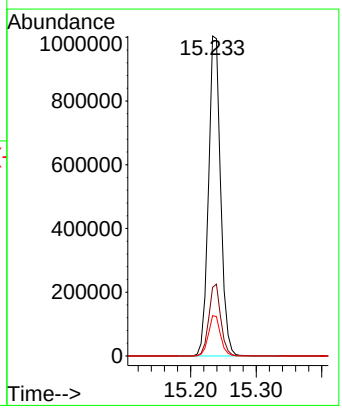


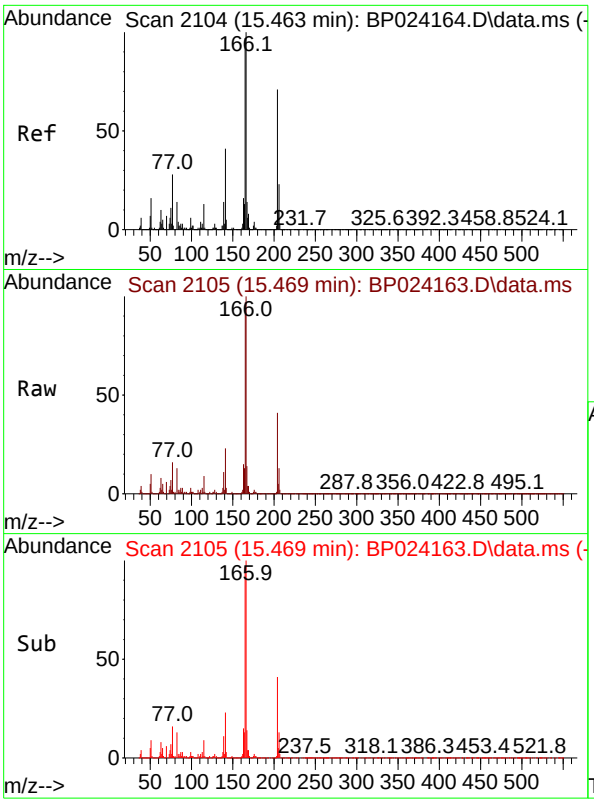




#60
Diethylphthalate
Concen: 20.524 ng
RT: 15.233 min Scan# 2065
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



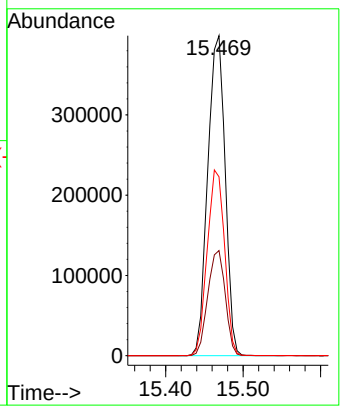


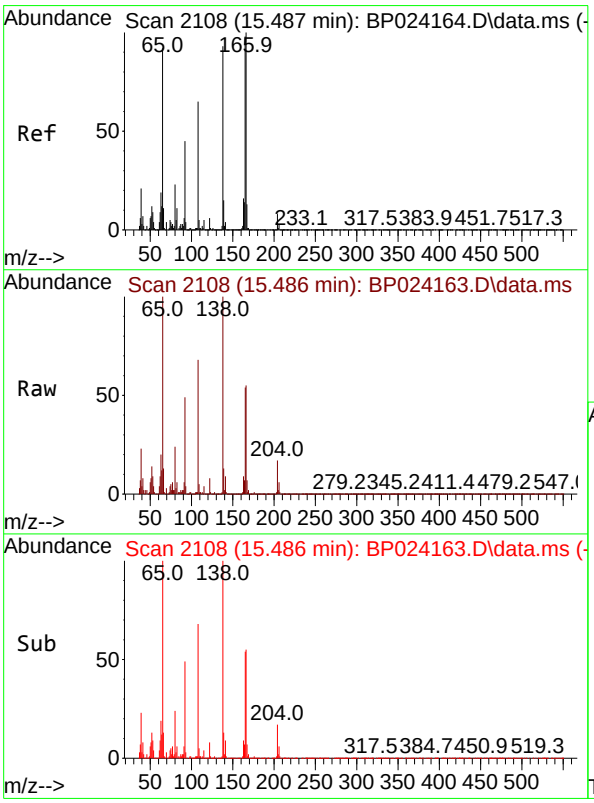

#61
4-Chlorophenyl-phenylether
Concen: 19.996 ng
RT: 15.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

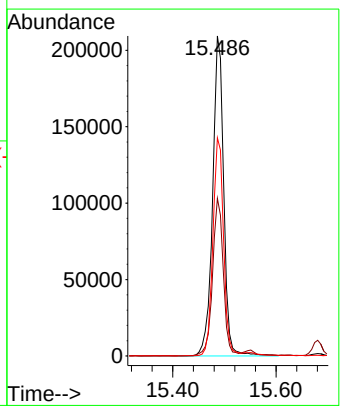


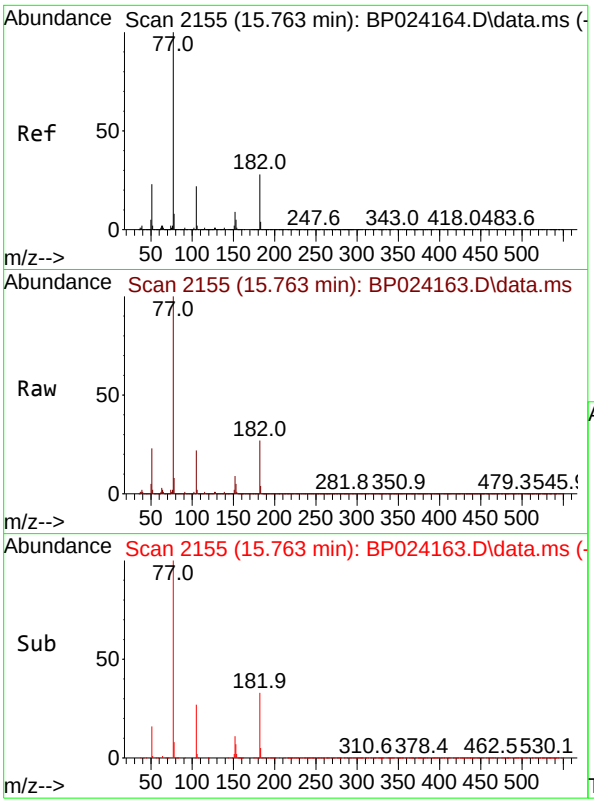




#62
4-Nitroaniline
Concen: 21.841 ng
RT: 15.486 min Scan# 2108
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



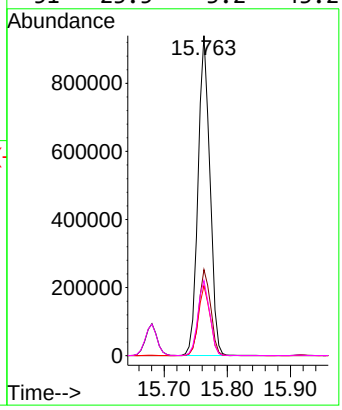


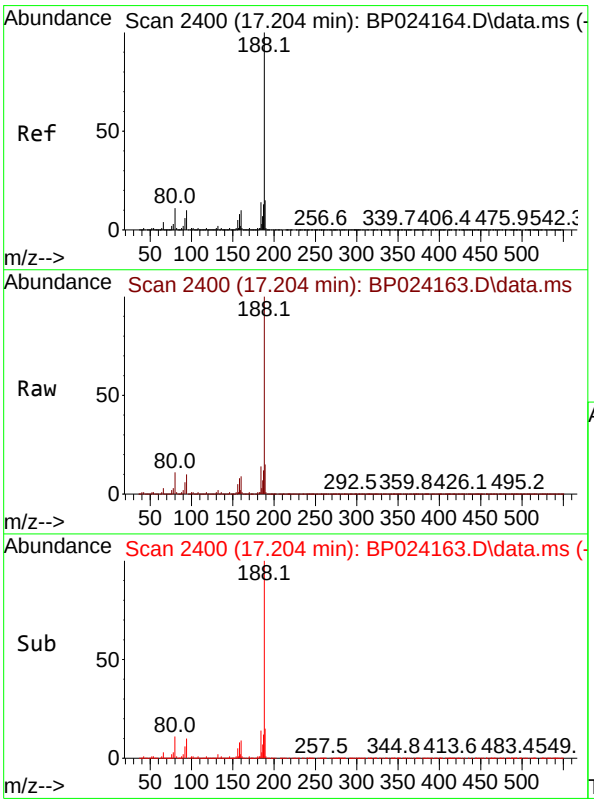

#63
Azobenzene
Concen: 20.864 ng
RT: 15.763 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

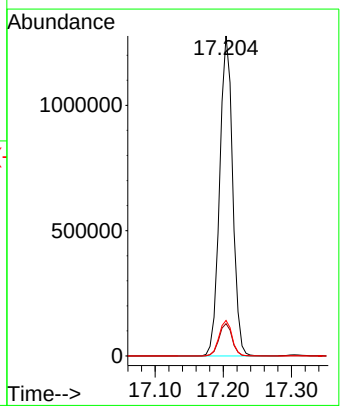


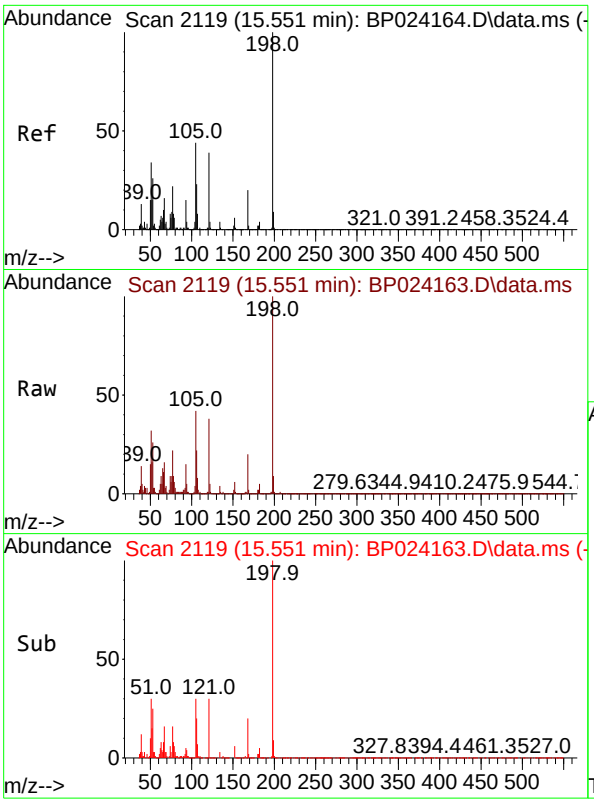




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2400
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



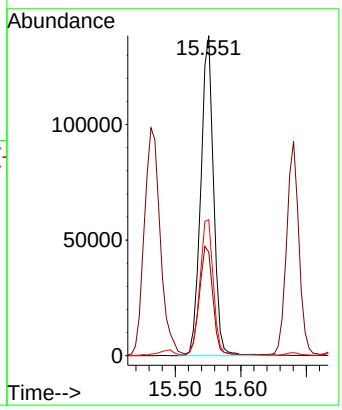


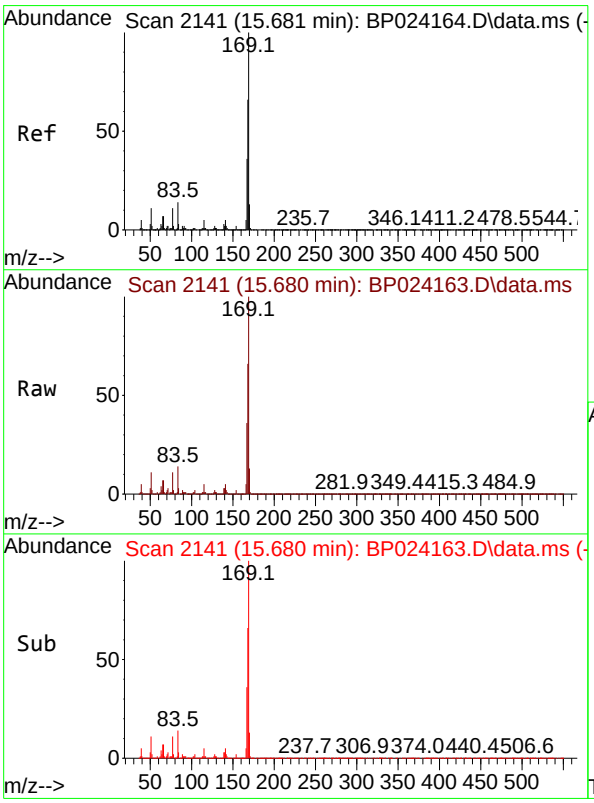

#65
4,6-Dinitro-2-methylphenol
Concen: 19.162 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

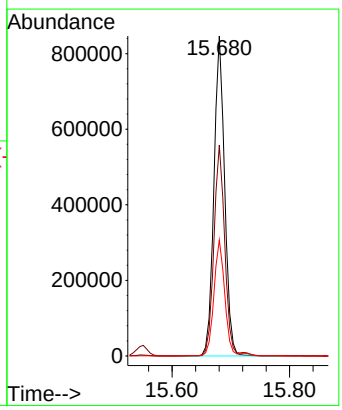


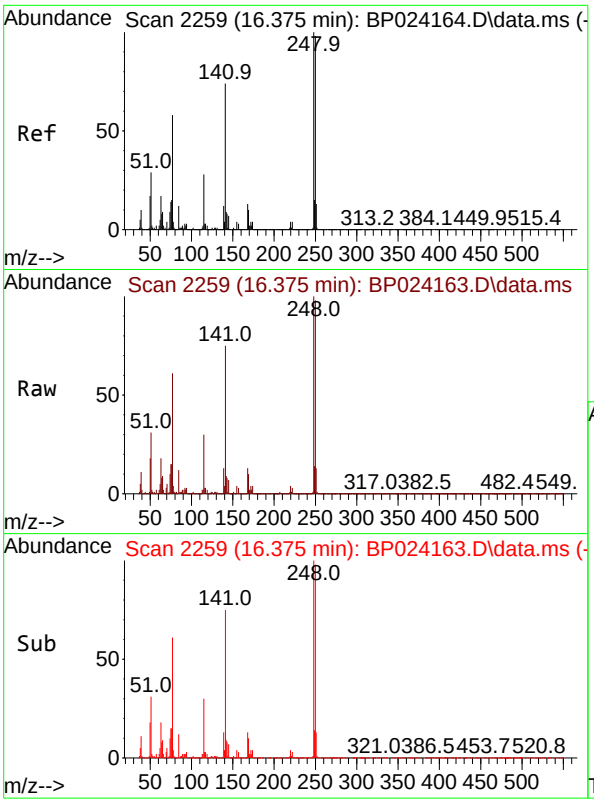




#66
n-Nitrosodiphenylamine
Concen: 20.181 ng
RT: 15.680 min Scan# 2141
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



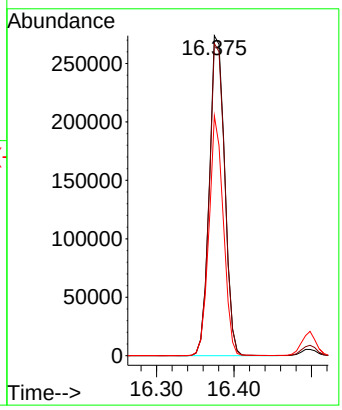


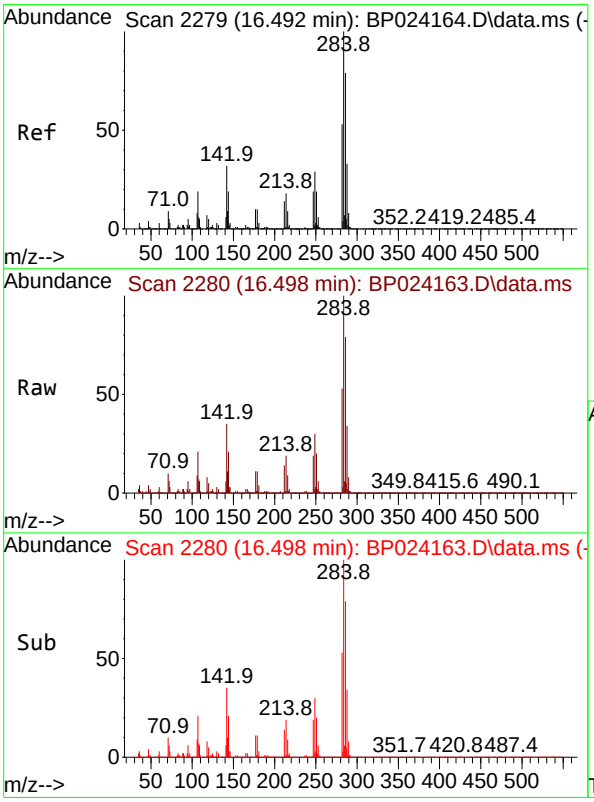

#67
4-Bromophenyl-phenylether
Concen: 19.797 ng
RT: 16.375 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

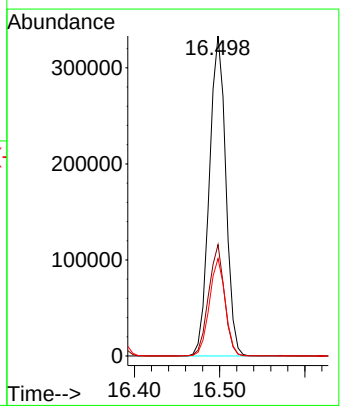


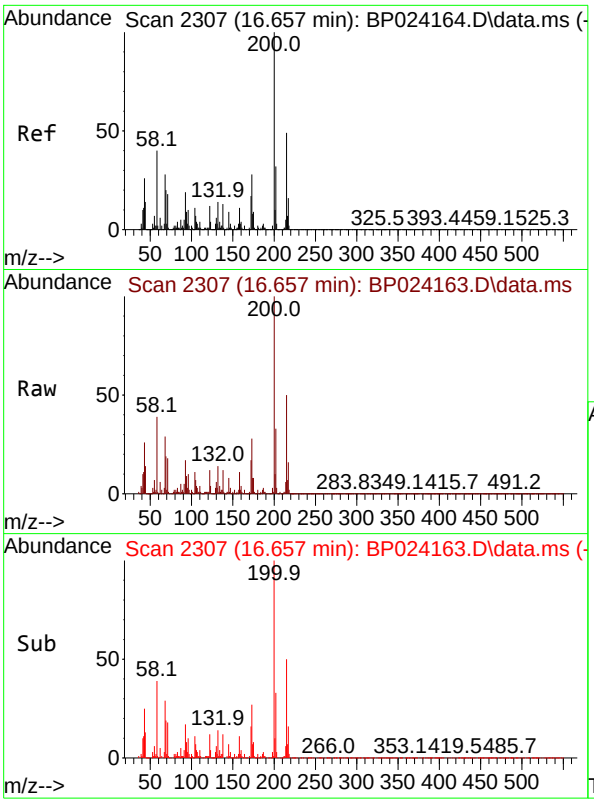




#68
Hexachlorobenzene
Concen: 19.921 ng
RT: 16.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



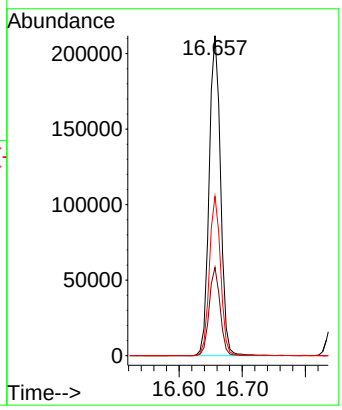


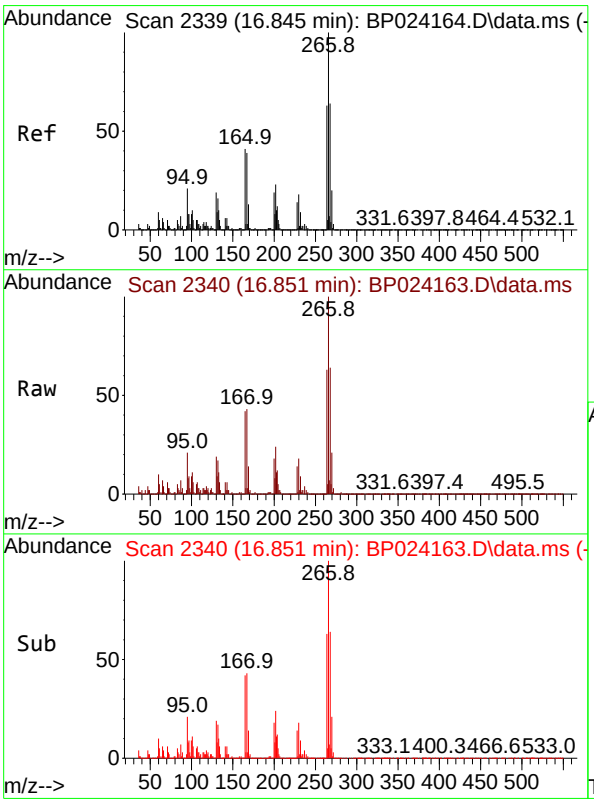

#69
Atrazine
Concen: 19.568 ng
RT: 16.657 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

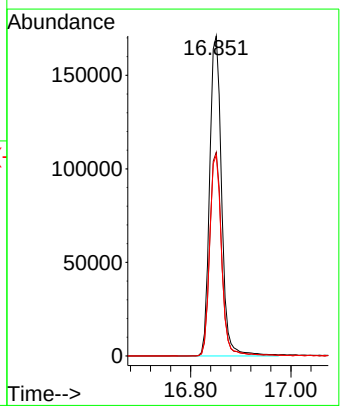


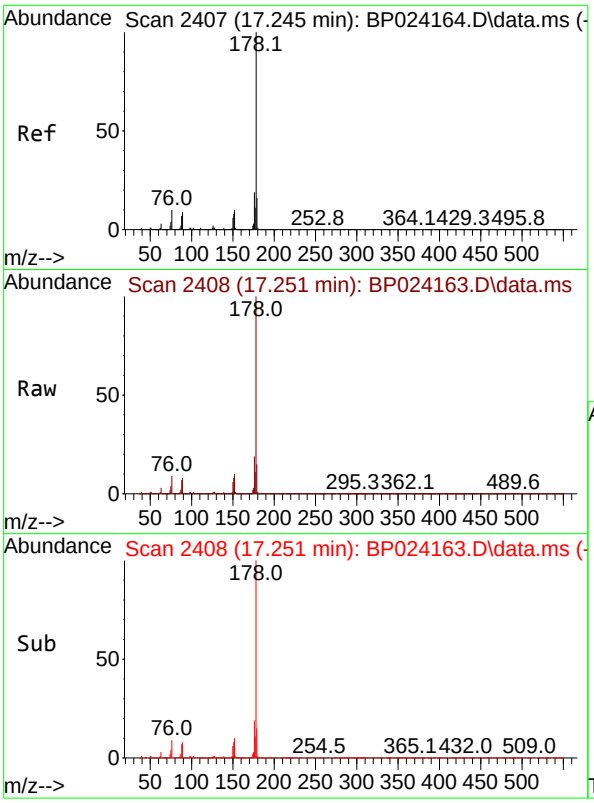




#70
Pentachlorophenol
Concen: 19.373 ng
RT: 16.851 min Scan# 2340
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



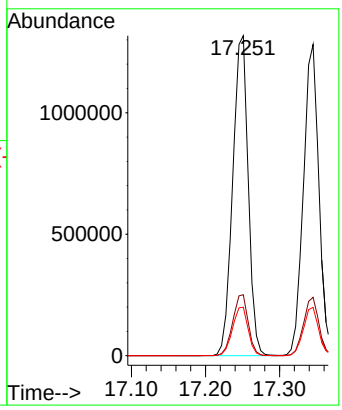


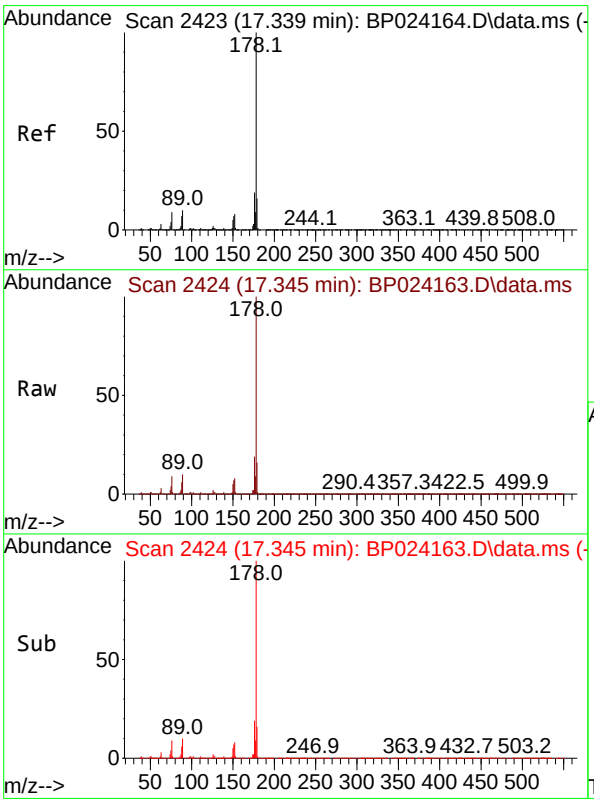

#71
Phenanthrene
Concen: 19.965 ng
RT: 17.251 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

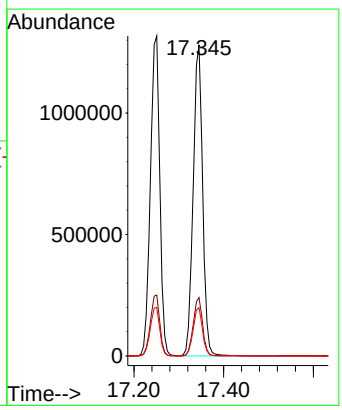


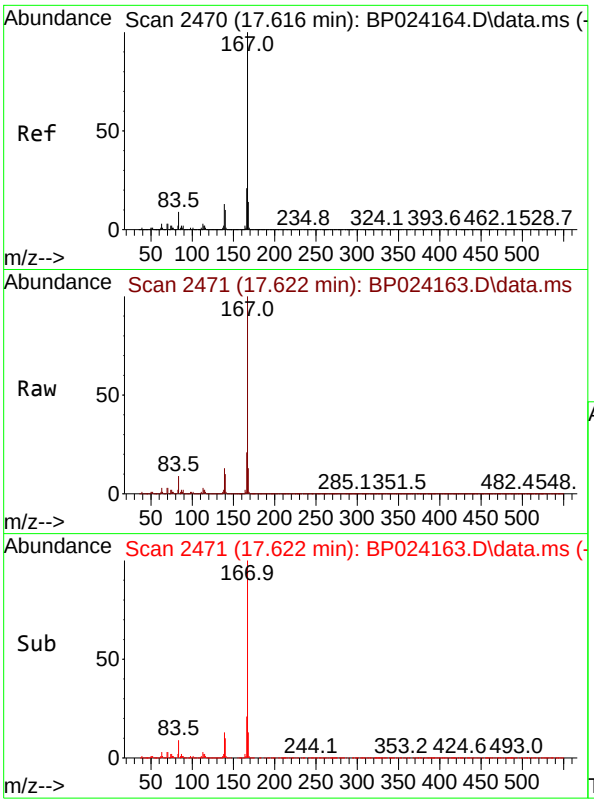




#72
Anthracene
Concen: 20.386 ng
RT: 17.345 min Scan# 2424
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



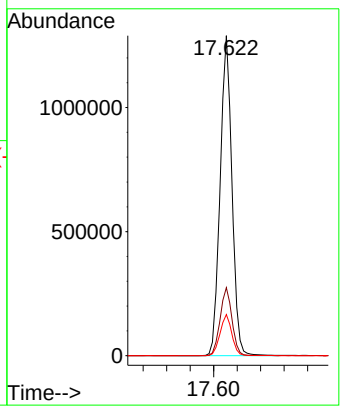


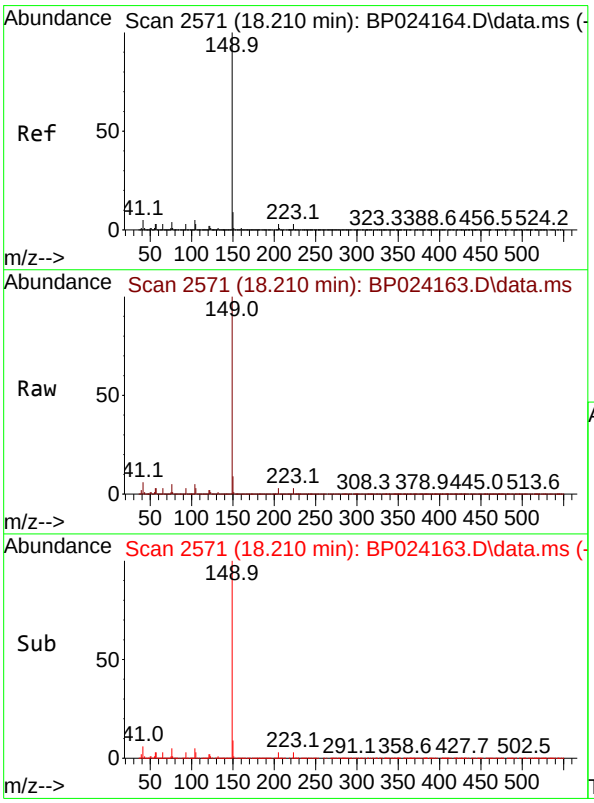

#73
Carbazole
Concen: 20.589 ng
RT: 17.622 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

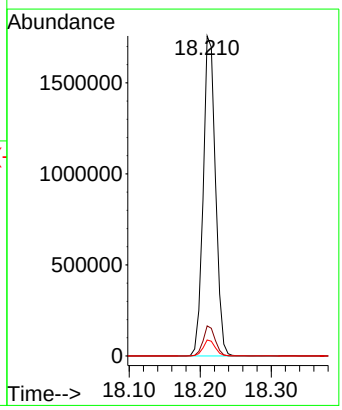


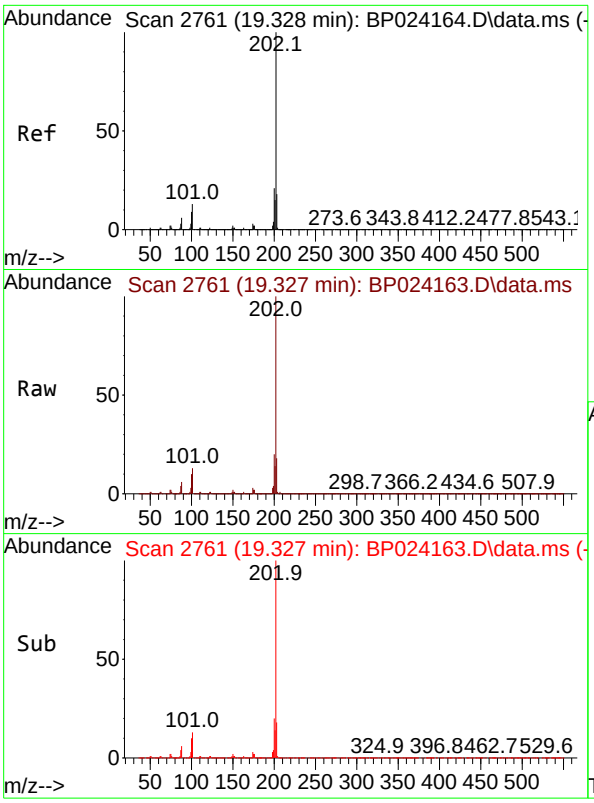




#74
Di-n-butylphthalate
Concen: 20.765 ng
RT: 18.210 min Scan# 2571
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



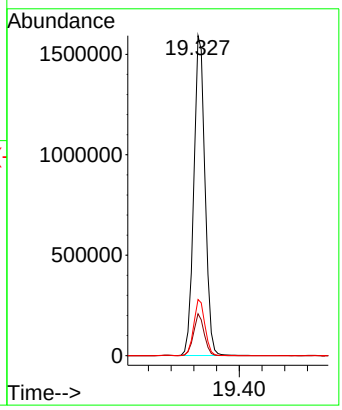


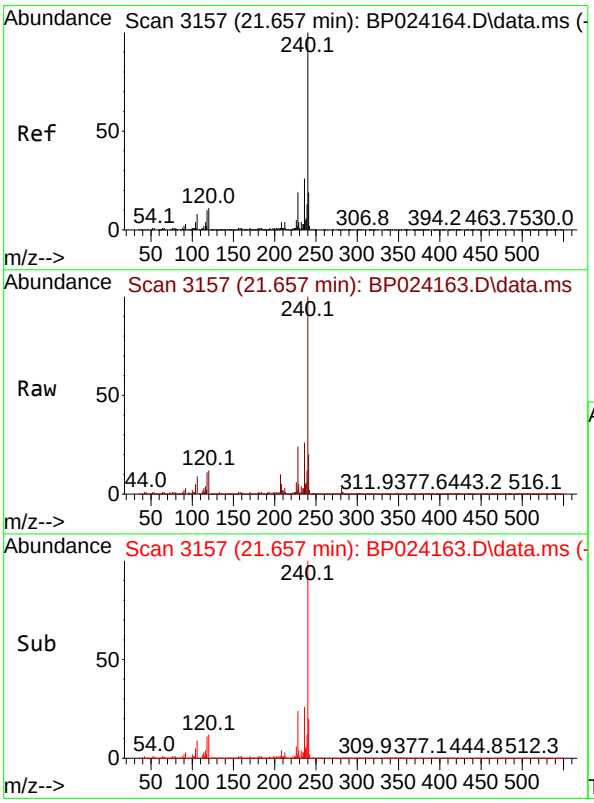

#75
Fluoranthene
Concen: 20.186 ng
RT: 19.327 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

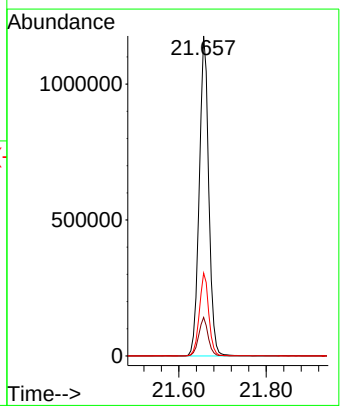


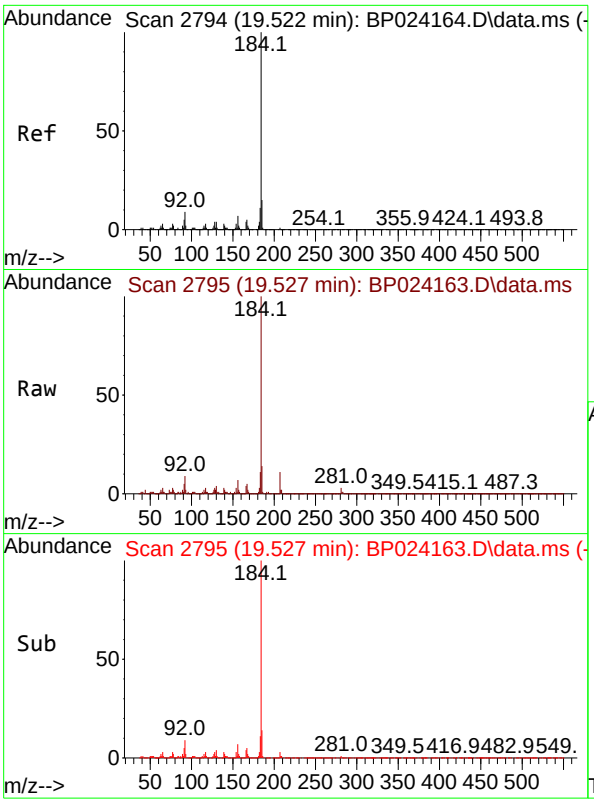




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.657 min Scan# 3157
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



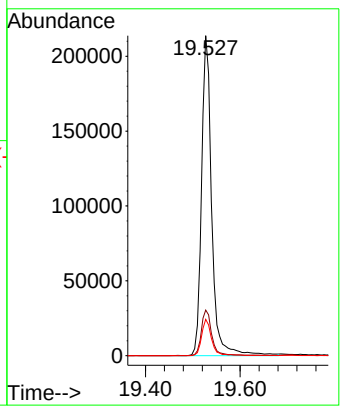


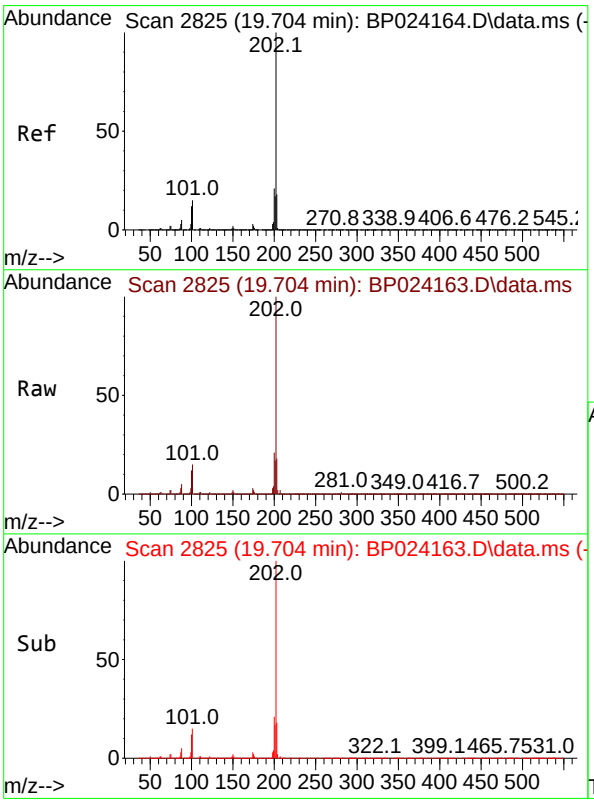

#77
Benzidine
Concen: 14.642 ng
RT: 19.527 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

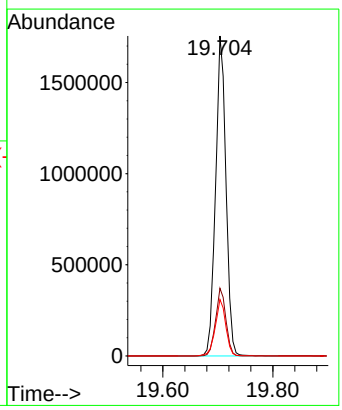


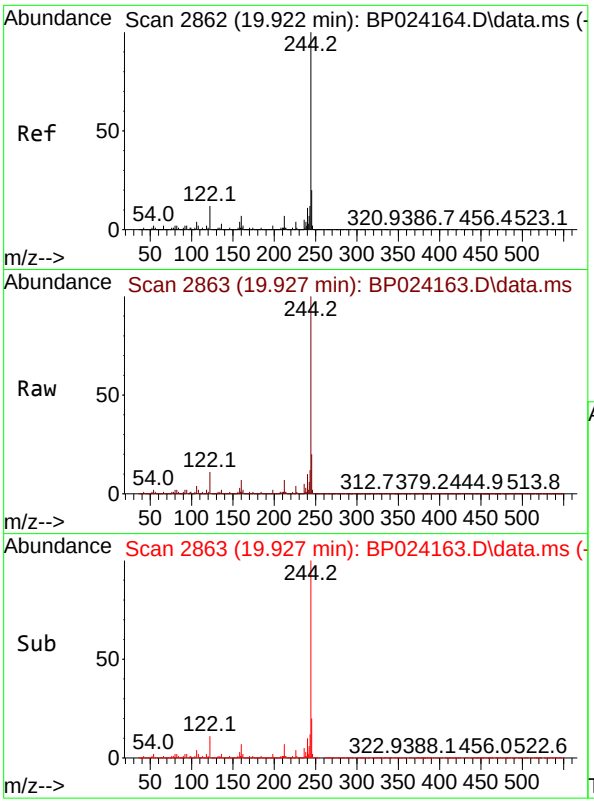




#78
Pyrene
Concen: 20.454 ng
RT: 19.704 min Scan# 2825
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



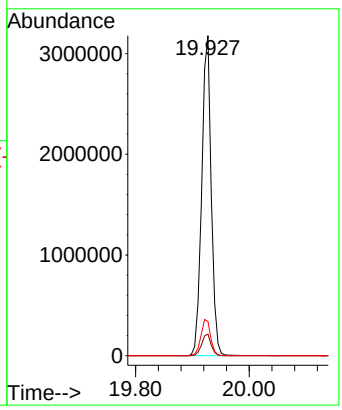


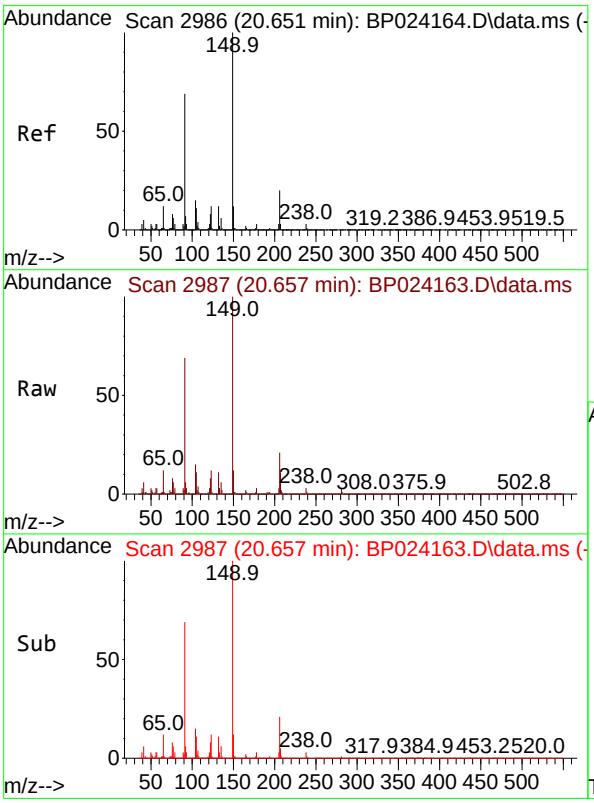

#79
Terphenyl-d14
Concen: 40.898 ng
RT: 19.927 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

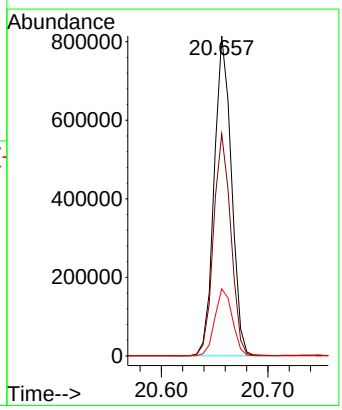


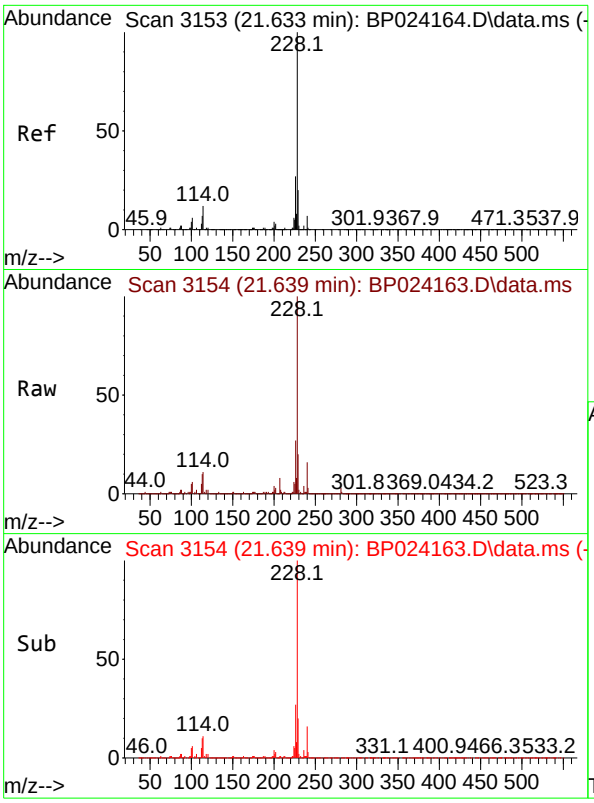




#80
Butylbenzylphthalate
Concen: 21.082 ng
RT: 20.657 min Scan# 2987
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



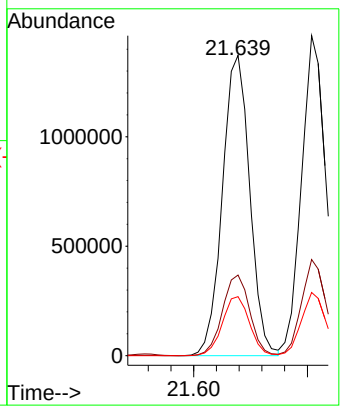


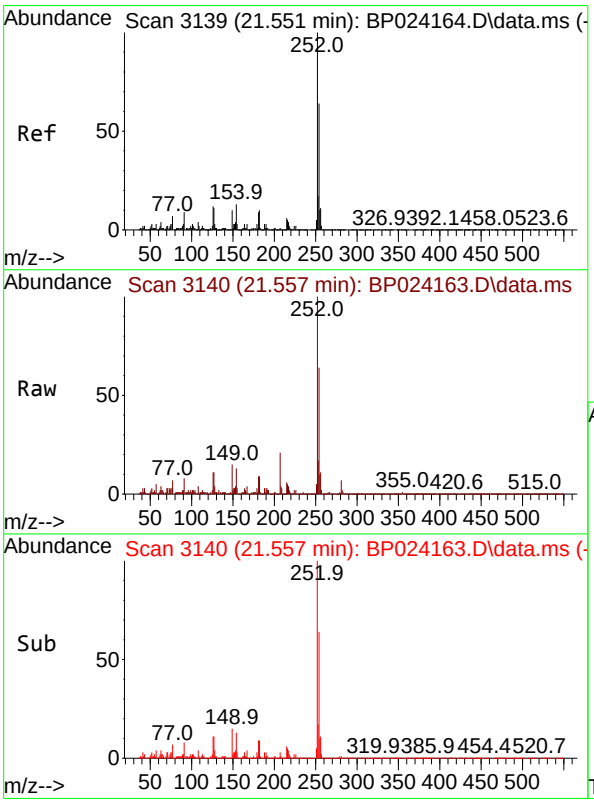

#81
Benzo(a)anthracene
Concen: 20.583 ng
RT: 21.639 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

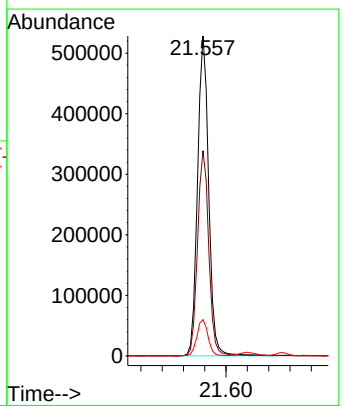


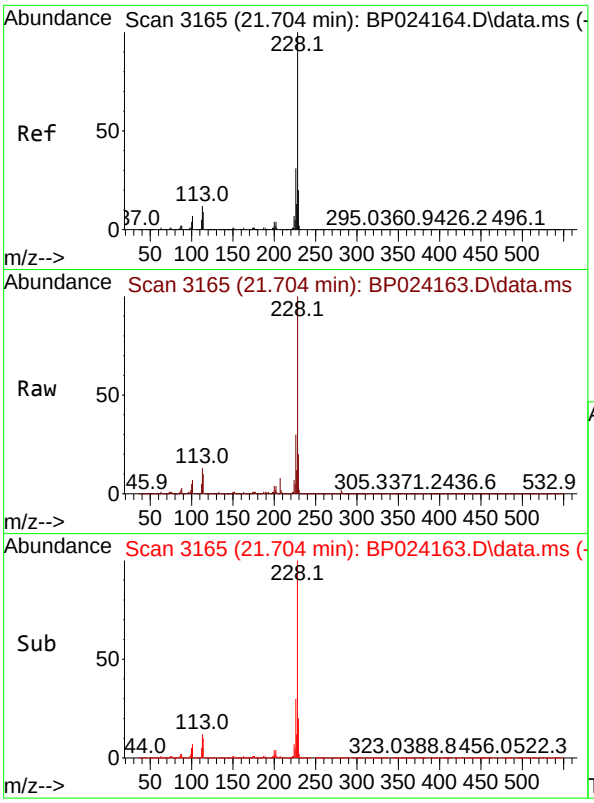




#82
3,3'-Dichlorobenzidine
Concen: 21.882 ng
RT: 21.557 min Scan# 3140
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



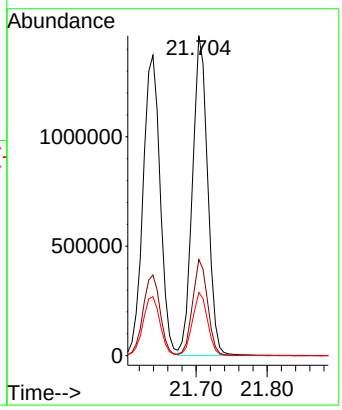


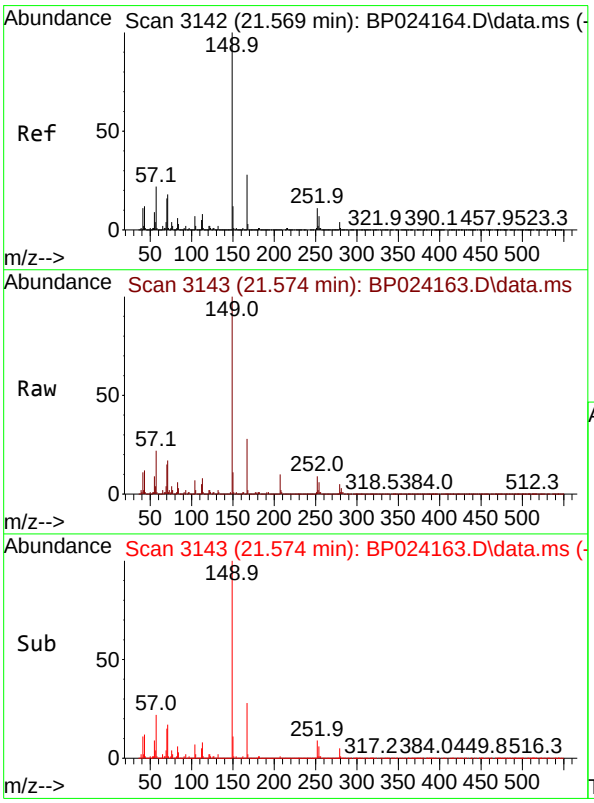

#83
Chrysene
Concen: 20.250 ng
RT: 21.704 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

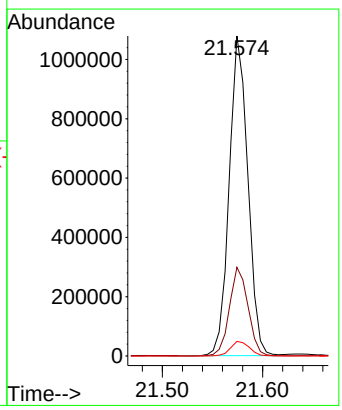


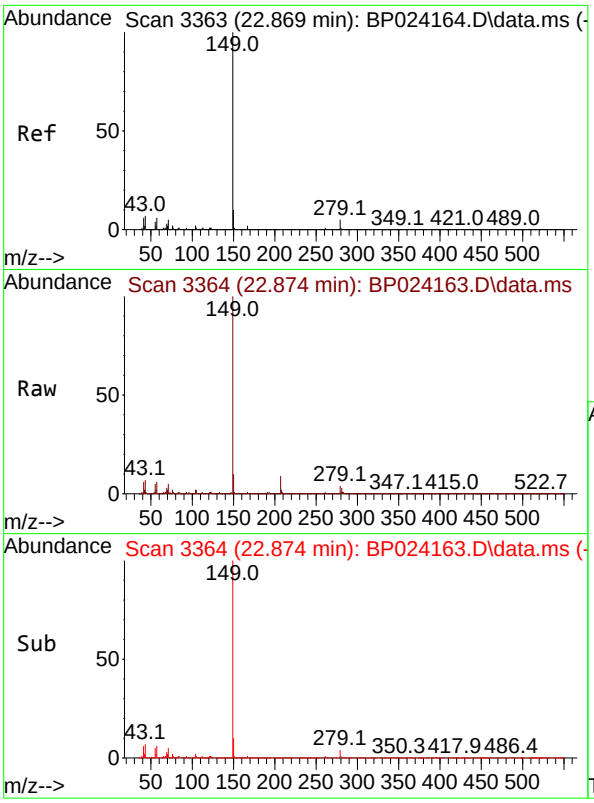




#84
Bis(2-ethylhexyl)phthalate
Concen: 21.249 ng
RT: 21.574 min Scan# 3143
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



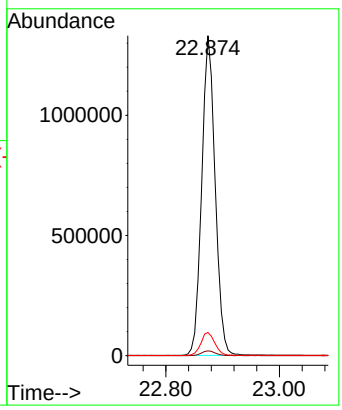


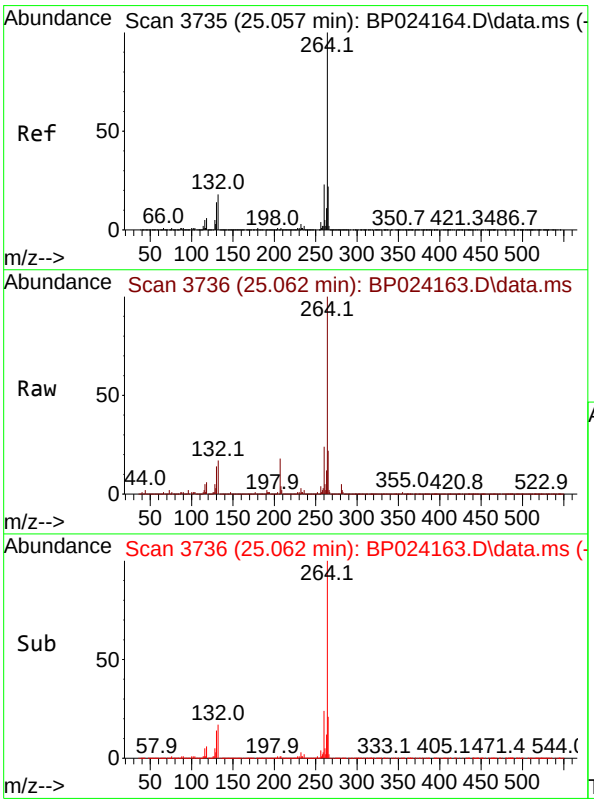

#85
Di-n-octyl phthalate
Concen: 20.752 ng
RT: 22.874 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

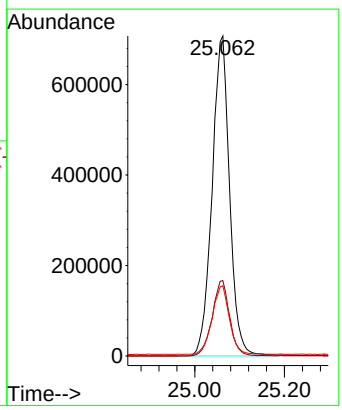


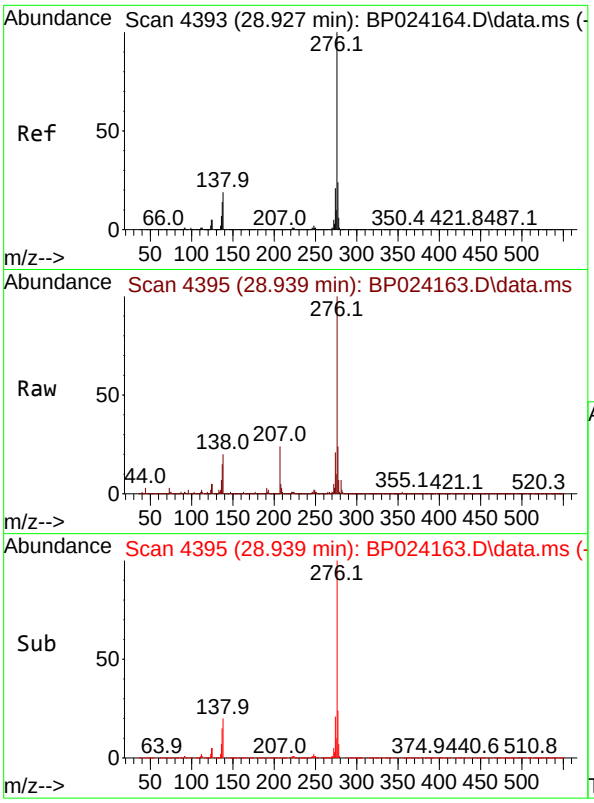




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.062 min Scan# 3736
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



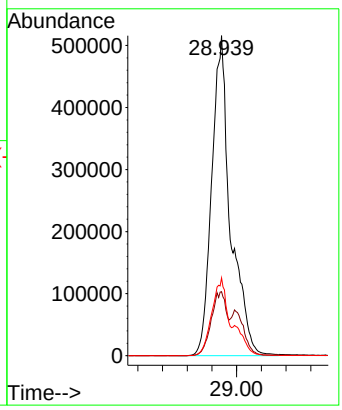


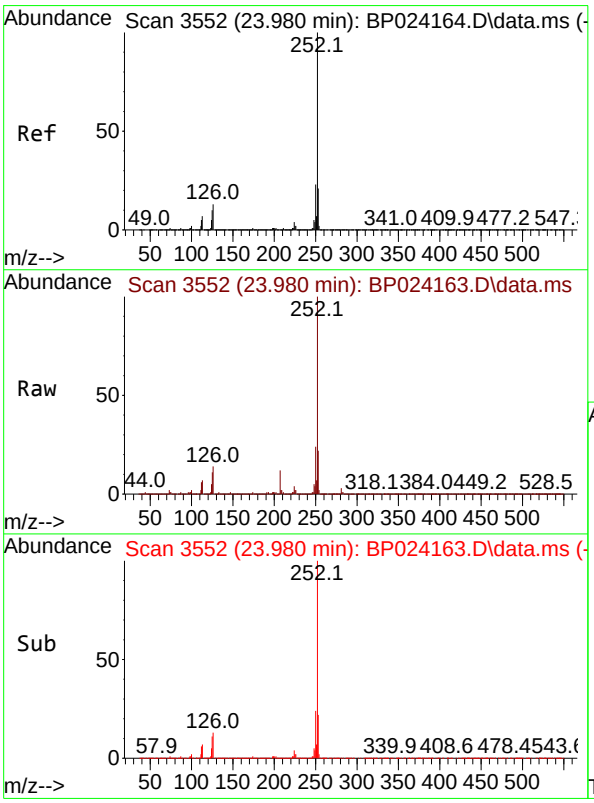

#87
Indeno(1,2,3-cd)pyrene
Concen: 19.980 ng
RT: 28.939 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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# |

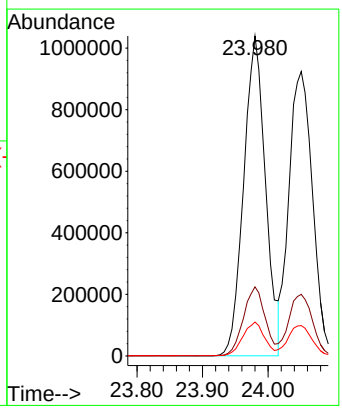


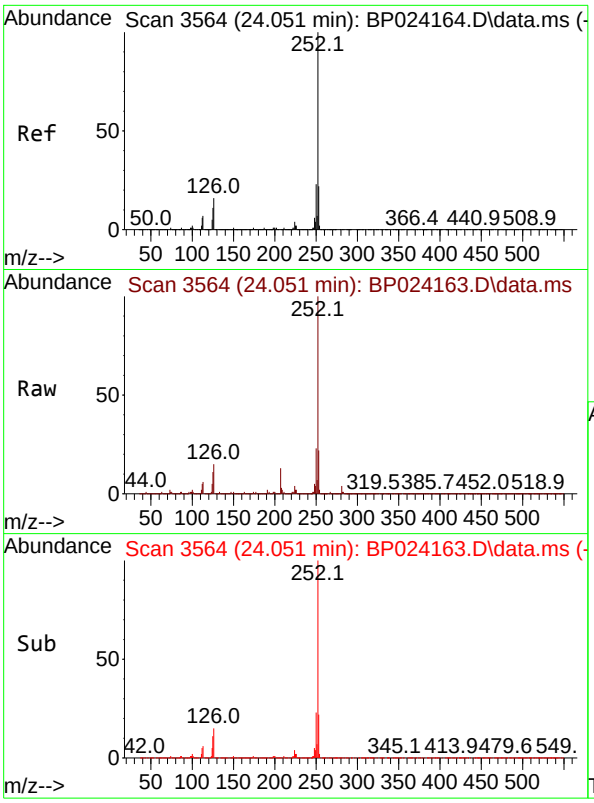




#88
Benzo(b)fluoranthene
Concen: 19.806 ng
RT: 23.980 min Scan# 3552
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



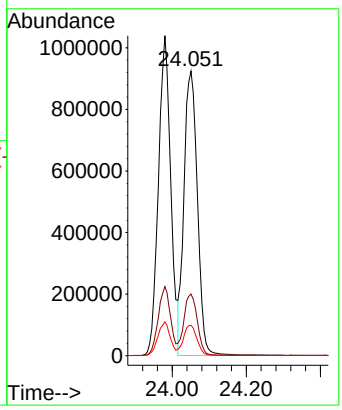


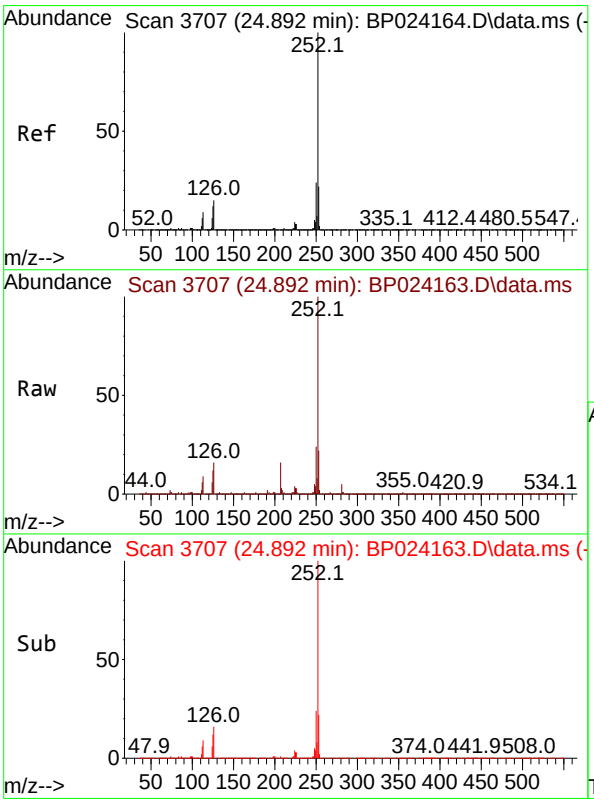

#89
Benzo(k)fluoranthene
Concen: 19.624 ng
RT: 24.051 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

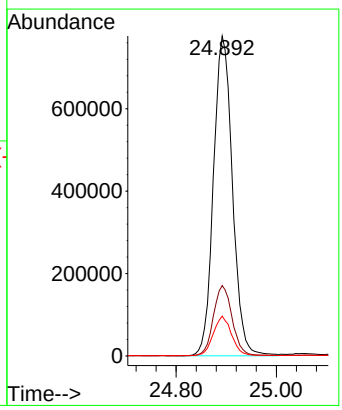


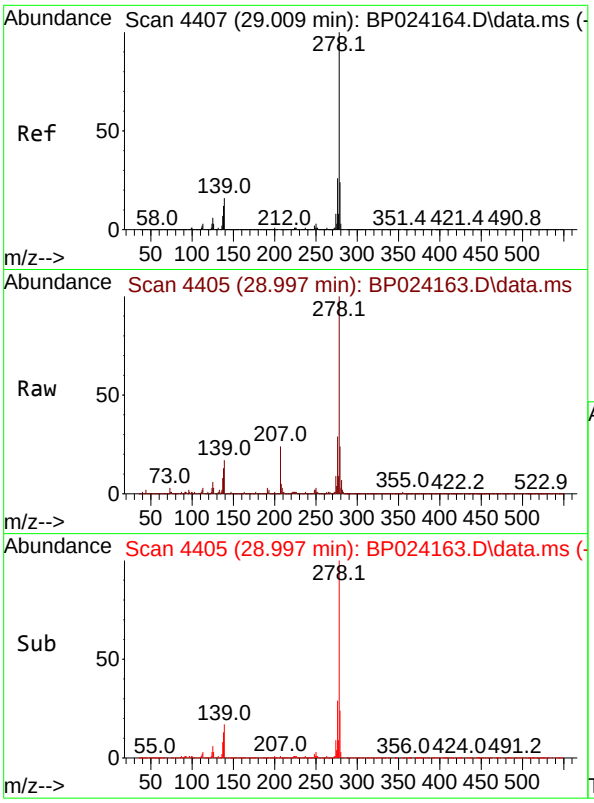




#90
Benzo(a)pyrene
Concen: 19.755 ng
RT: 24.892 min Scan# 3707
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



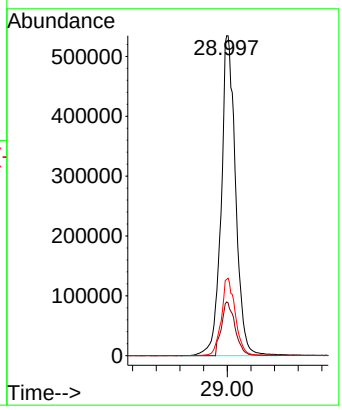


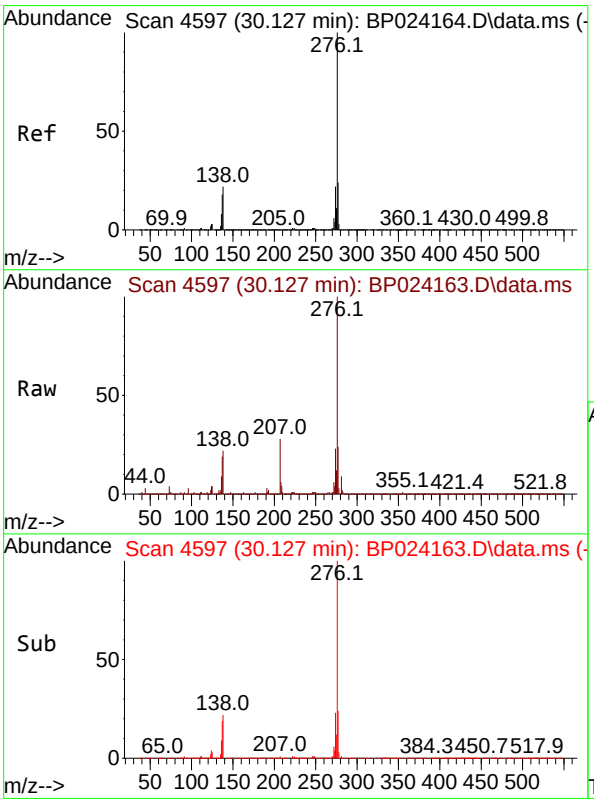

#91
Dibenzo(a,h)anthracene
Concen: 19.797 ng
RT: 28.997 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

**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 |

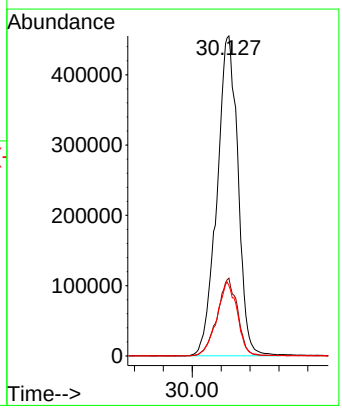



#92
Benzo(g,h,i)perylene
Concen: 19.746 ng
RT: 30.127 min Scan# 4597
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

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 |



Quantitation Report (QT Reviewed)

ICAL Form

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 |

ICAL Form

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 |

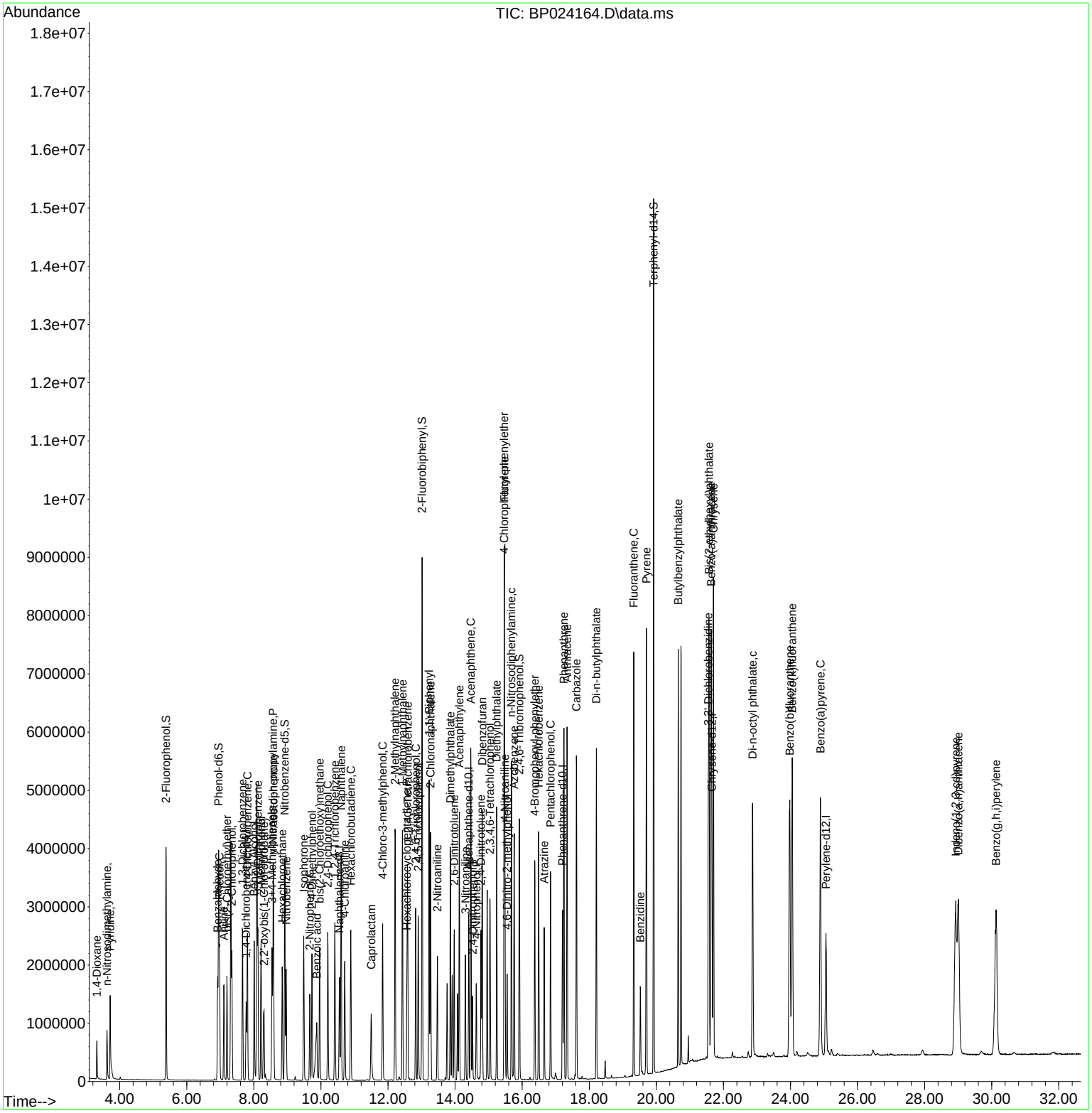
(#) = qualifier out of range (m) = manual integration (+) = signals summed

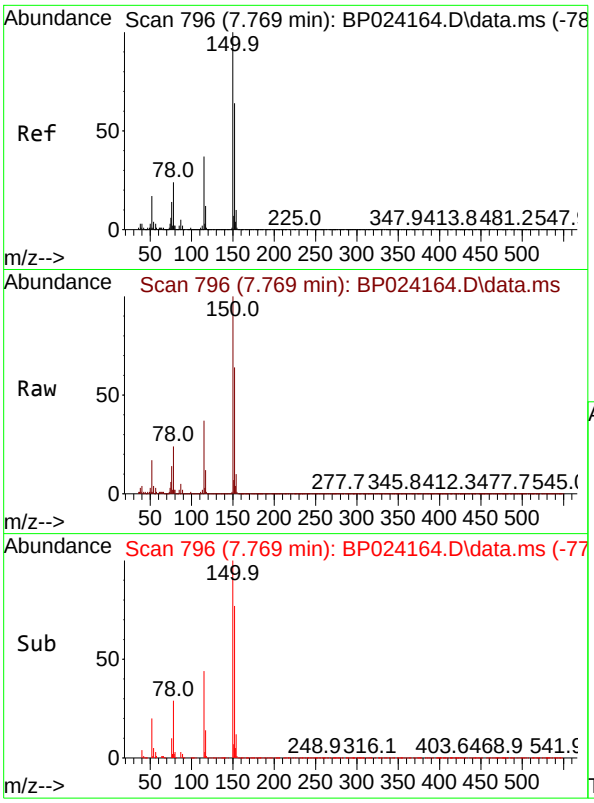
ICAL Form

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



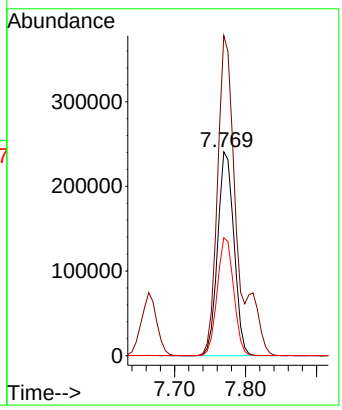


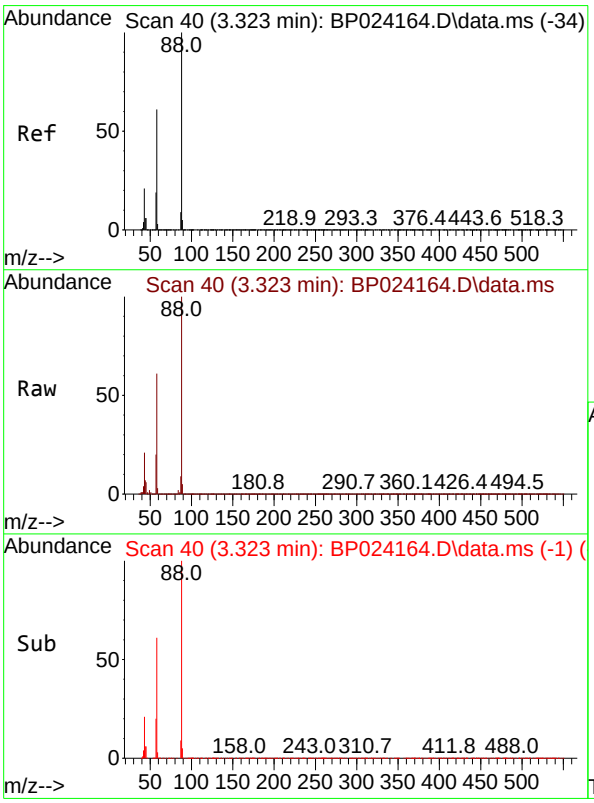

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

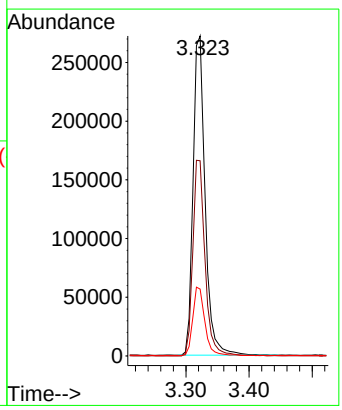


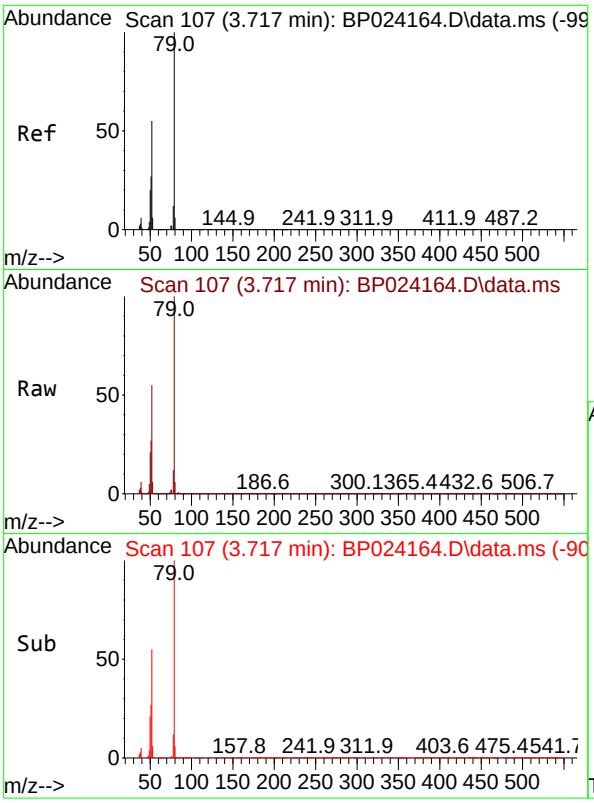




#2
1,4-Dioxane
Concen: 37.325 ng
RT: 3.323 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



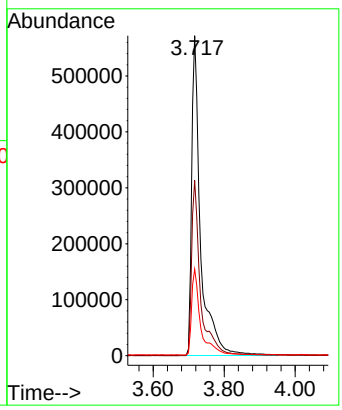


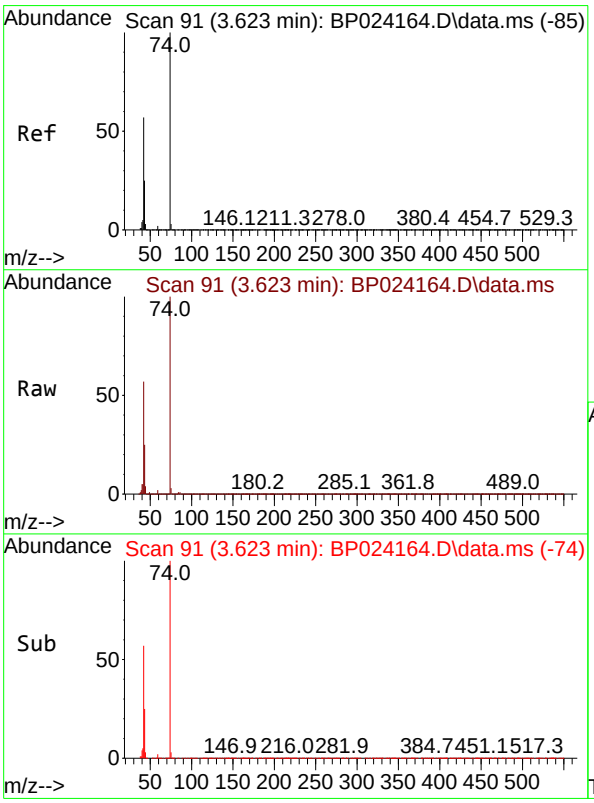

#3
Pyridine
Concen: 40.105 ng
RT: 3.717 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

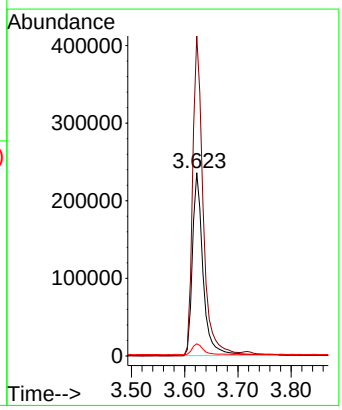


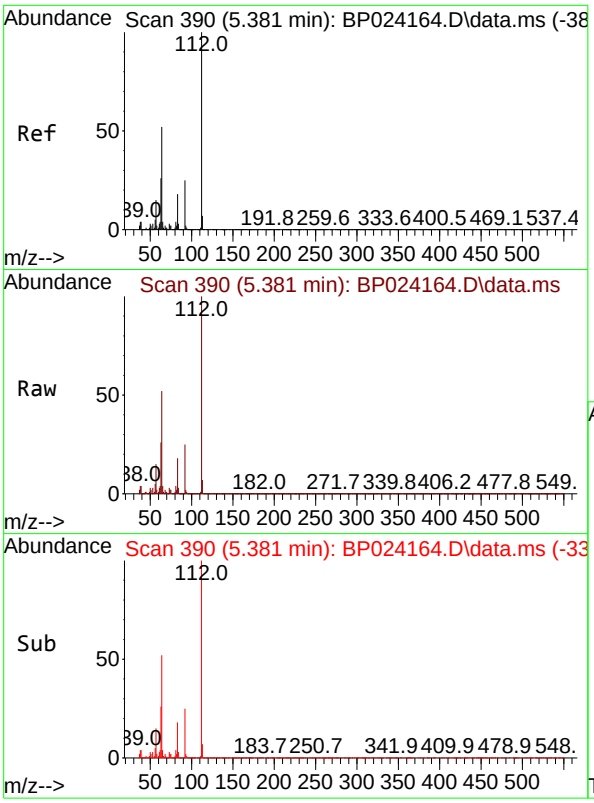




#4
n-Nitrosodimethylamine
Concen: 37.156 ng
RT: 3.623 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



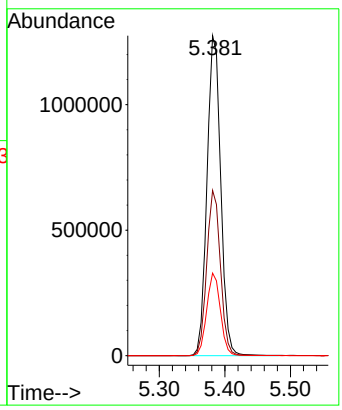


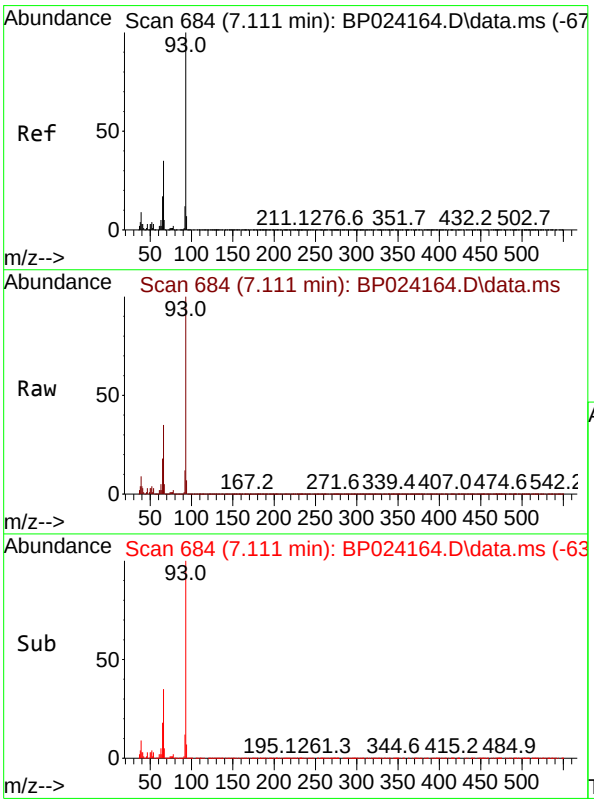

#5
2-Fluorophenol
Concen: 75.560 ng
RT: 5.381 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

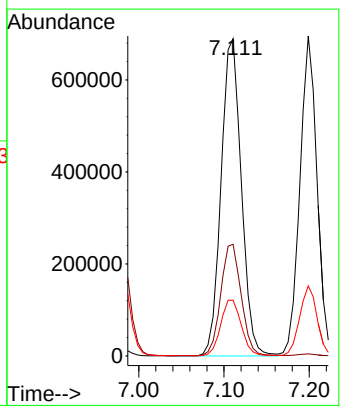


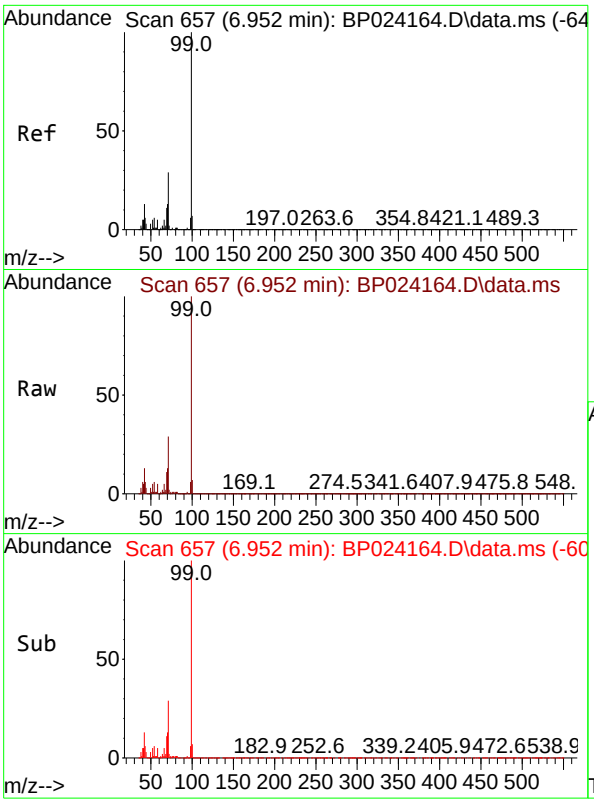




#6
Aniline
Concen: 39.358 ng
RT: 7.111 min Scan# 684
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



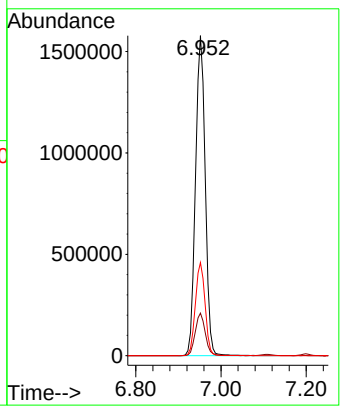


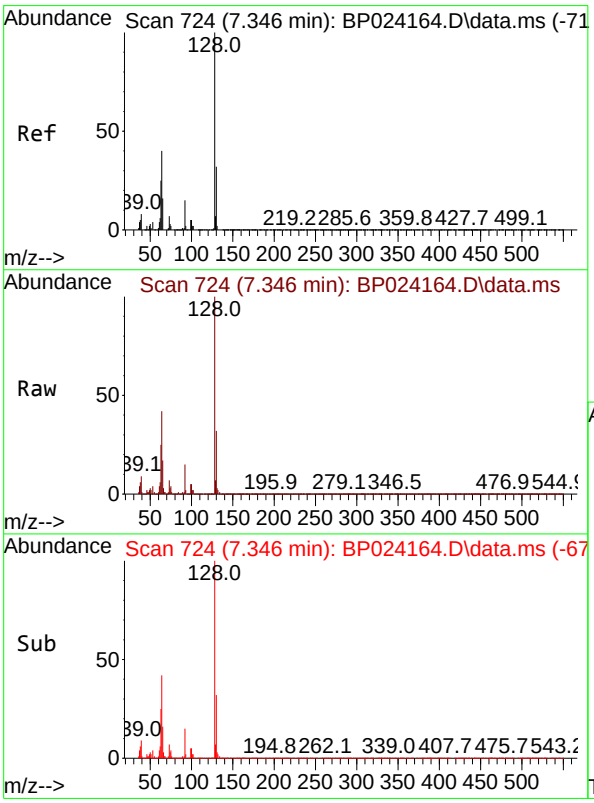

#7
Phenol-d6
Concen: 79.217 ng
RT: 6.952 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

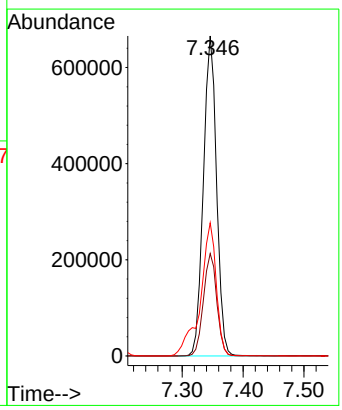


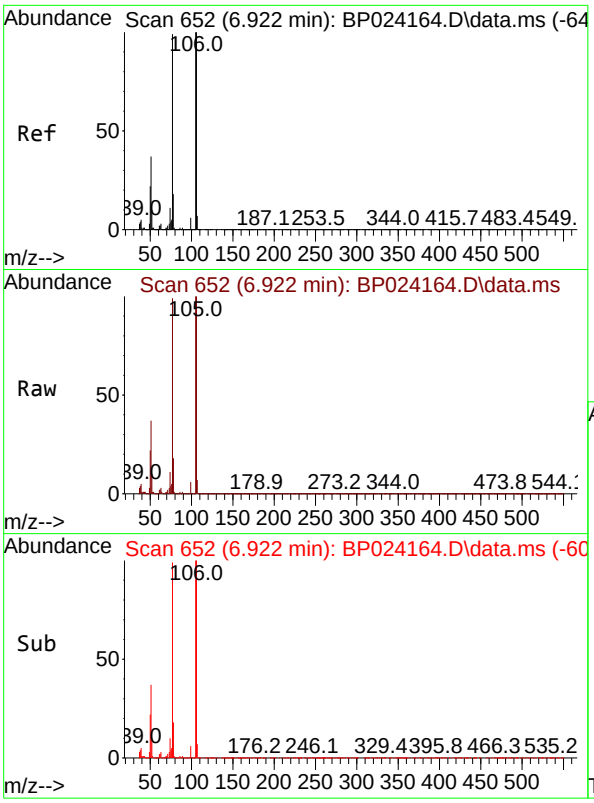




#8
2-Chlorophenol
Concen: 38.507 ng
RT: 7.346 min Scan# 724
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



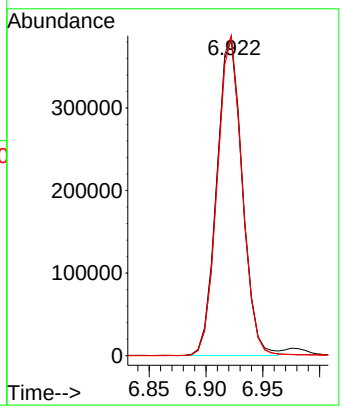


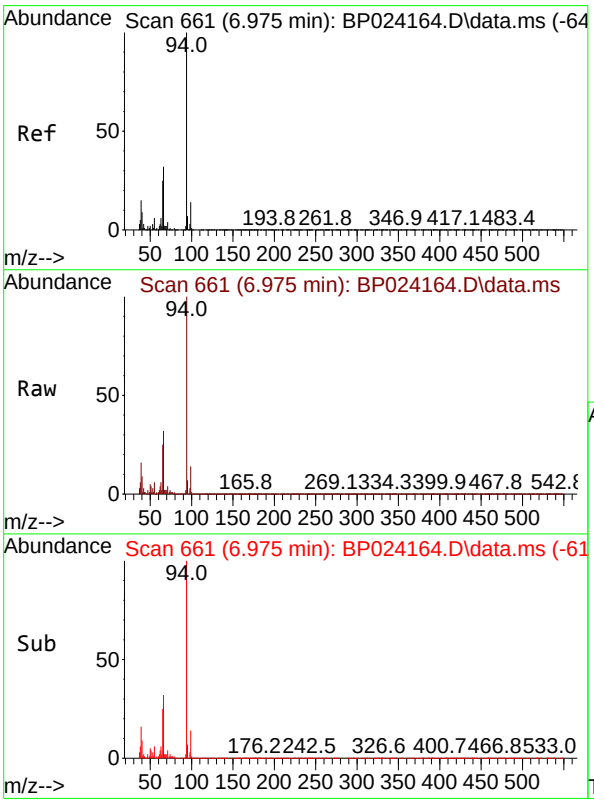

#9
Benzaldehyde
Concen: 41.462 ng
RT: 6.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

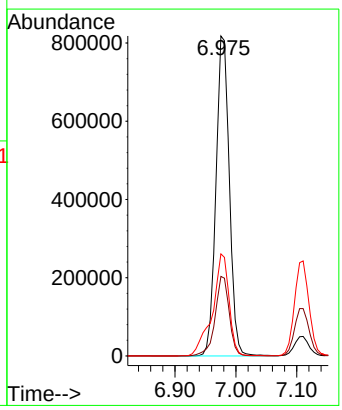


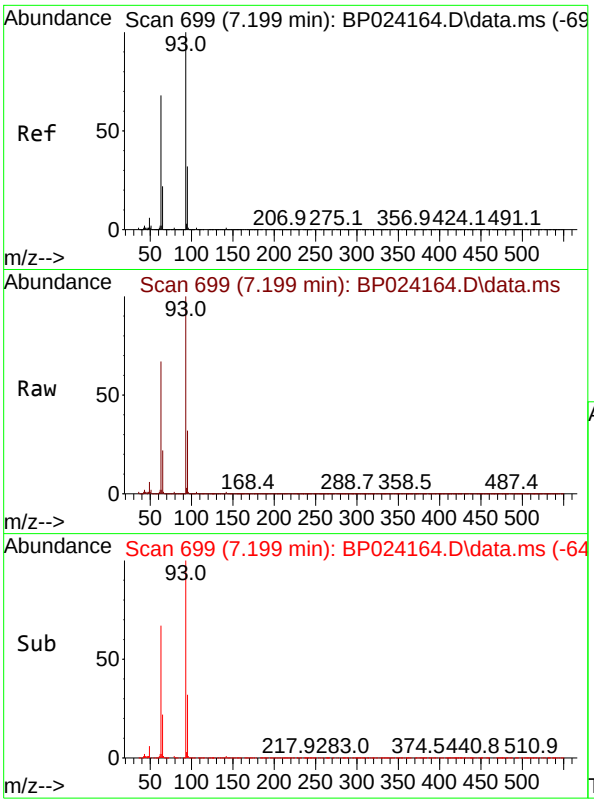




#10
Phenol
Concen: 39.305 ng
RT: 6.975 min Scan# 661
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



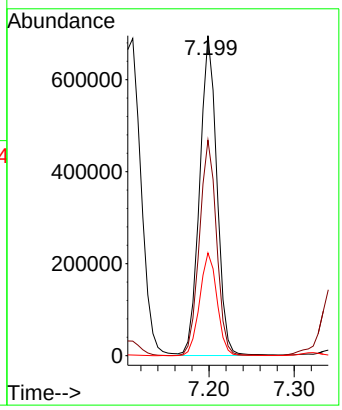


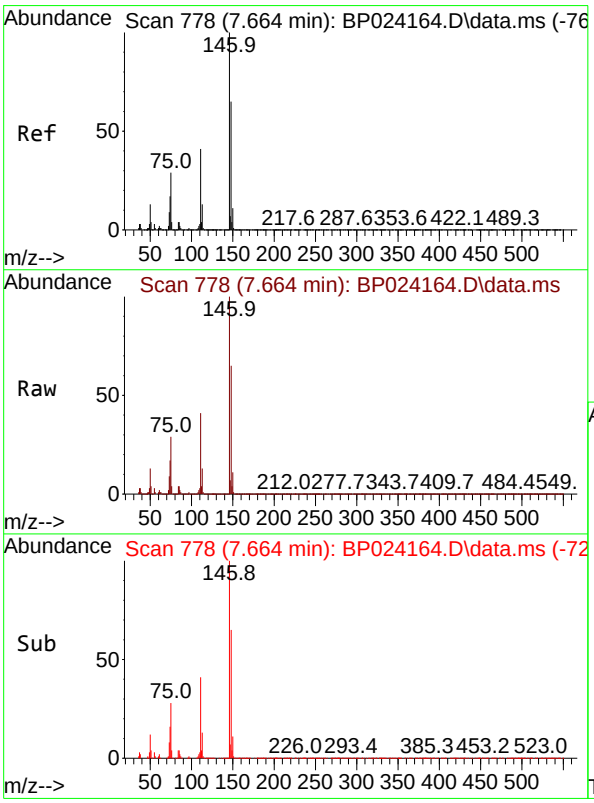

#11
bis(2-Chloroethyl)ether
Concen: 39.033 ng
RT: 7.199 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

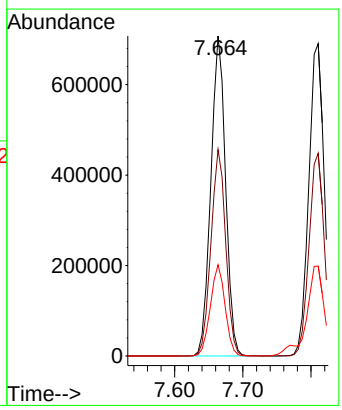


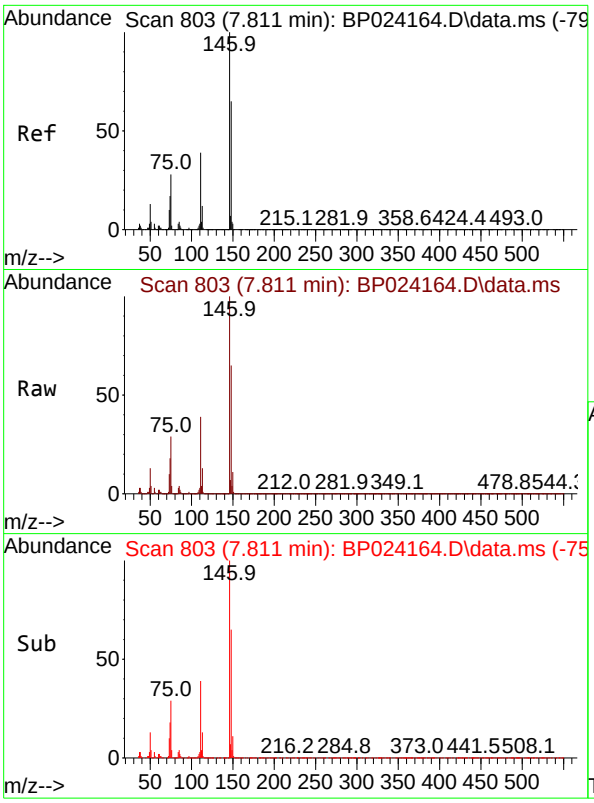




#12
1,3-Dichlorobenzene
Concen: 37.225 ng
RT: 7.664 min Scan# 778
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



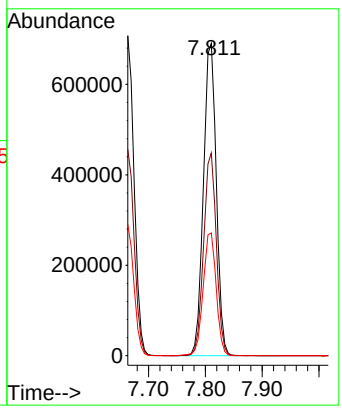


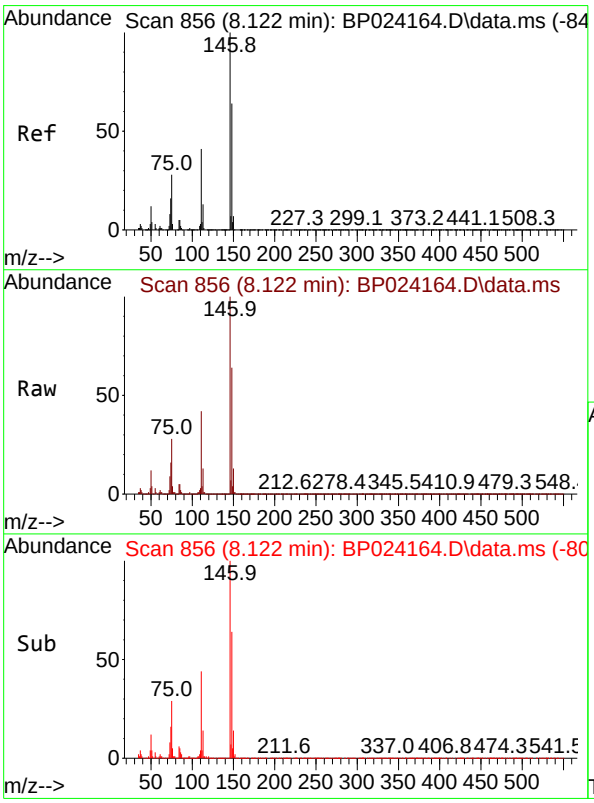

#13
1,4-Dichlorobenzene
Concen: 37.495 ng
RT: 7.811 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

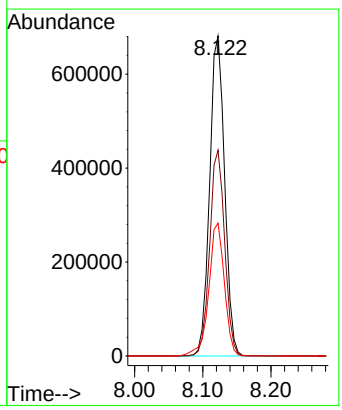


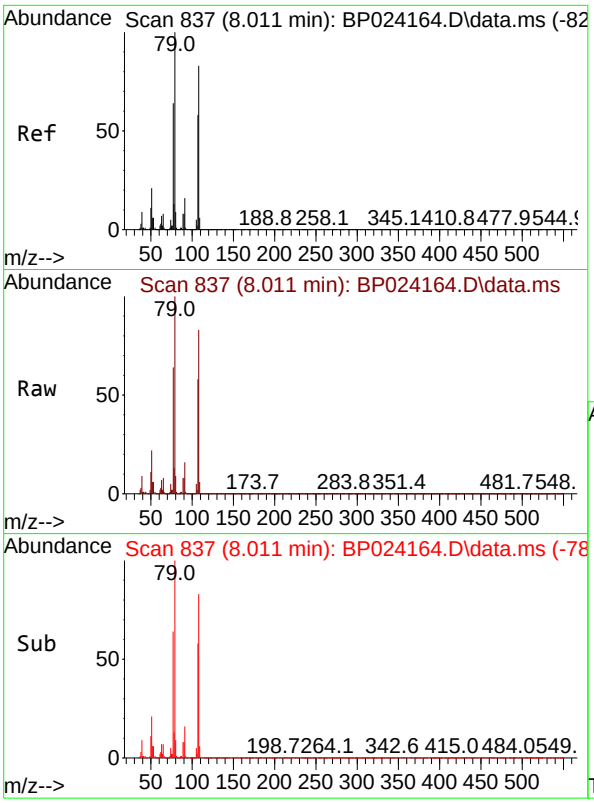




#14
1,2-Dichlorobenzene
Concen: 37.564 ng
RT: 8.122 min Scan# 856
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



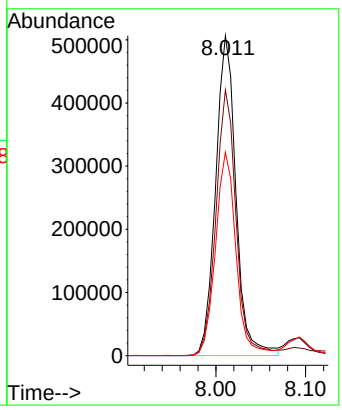


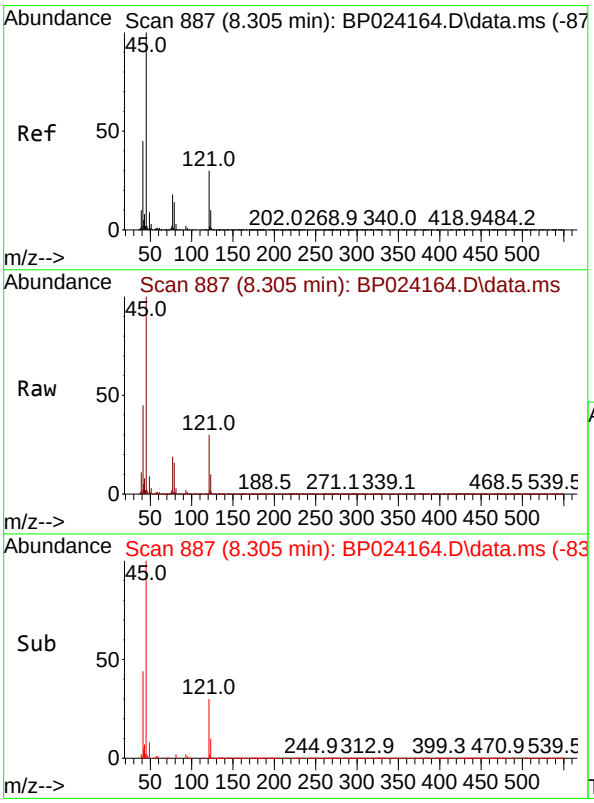

#15
Benzyl Alcohol
Concen: 41.320 ng
RT: 8.011 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

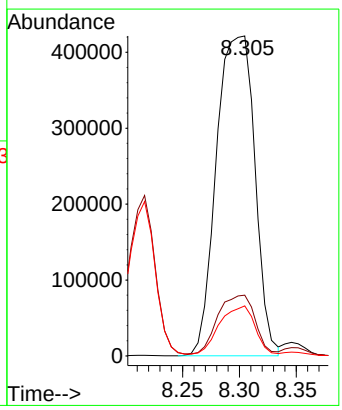


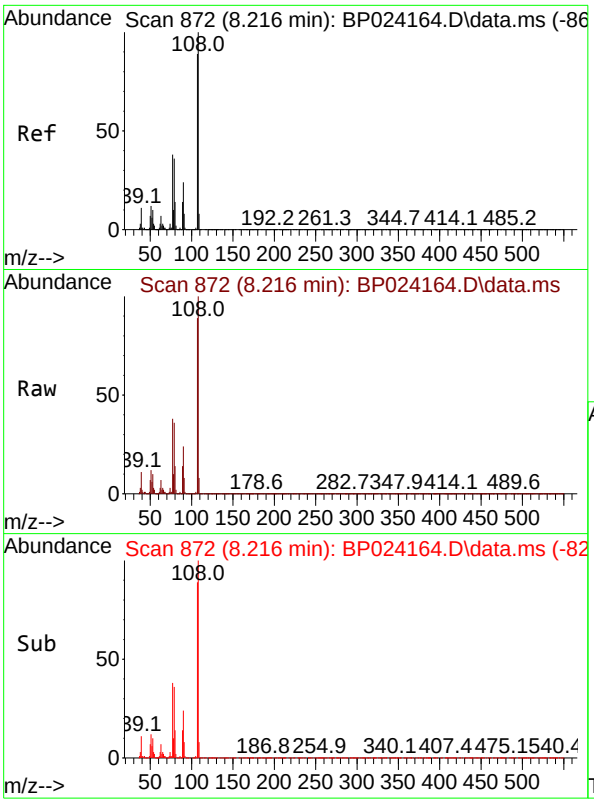




#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.824 ng
RT: 8.305 min Scan# 887
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



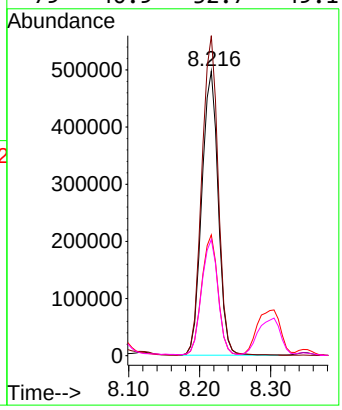


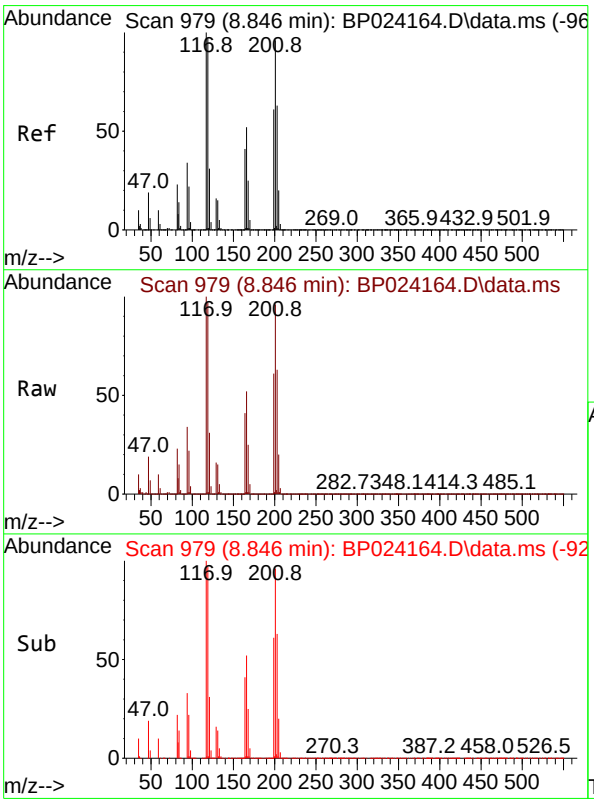

#17
2-Methylphenol
Concen: 41.136 ng
RT: 8.216 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

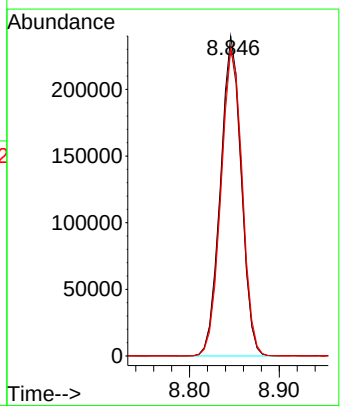


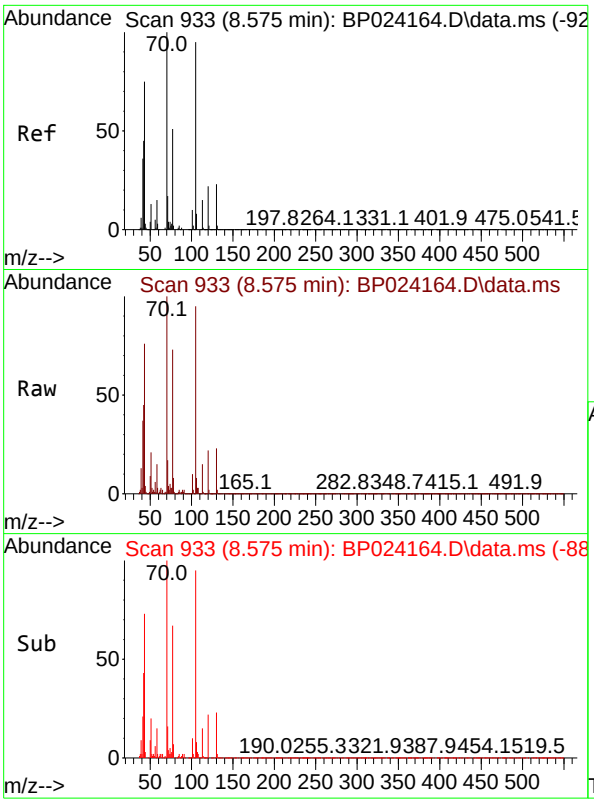




#18
Hexachloroethane
Concen: 37.399 ng
RT: 8.846 min Scan# 979
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



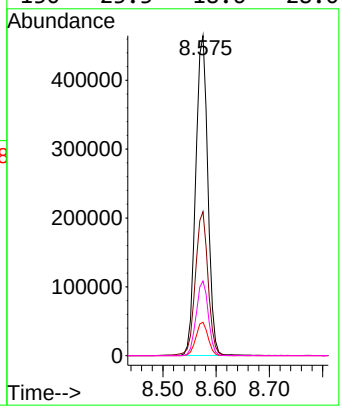


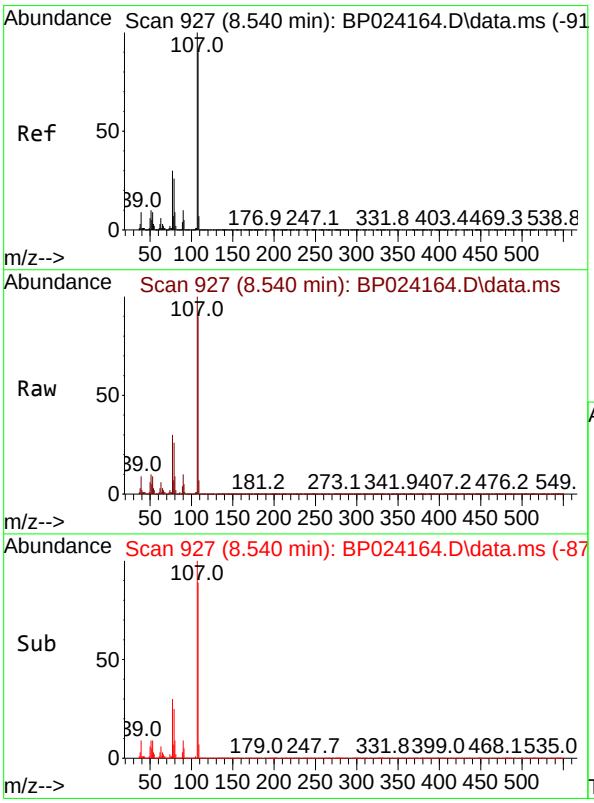

#19
n-Nitroso-di-n-propylamine
Concen: 43.423 ng
RT: 8.575 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

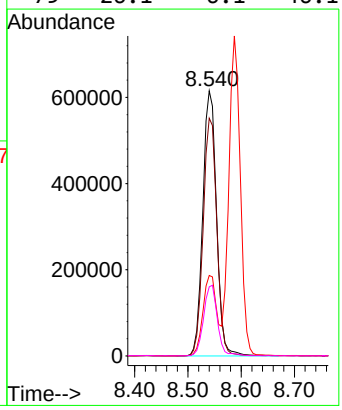


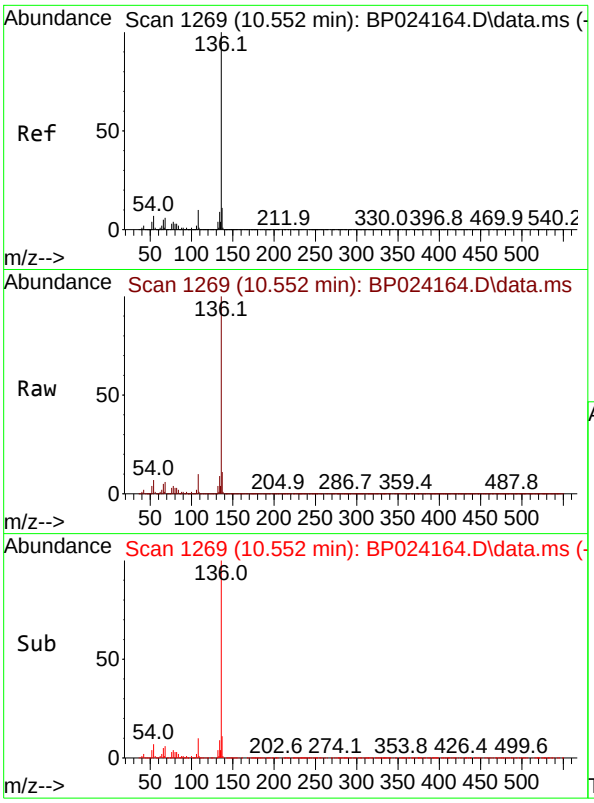




#20
3+4-Methylphenols
Concen: 41.727 ng
RT: 8.540 min Scan# 927
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



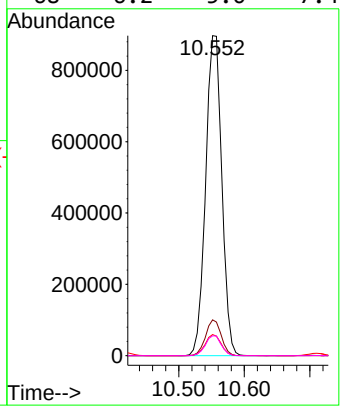


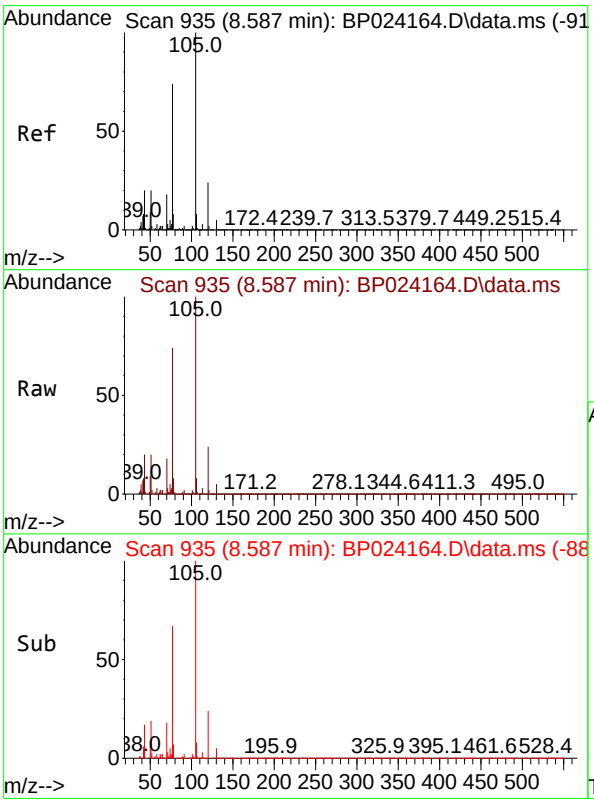

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.552 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

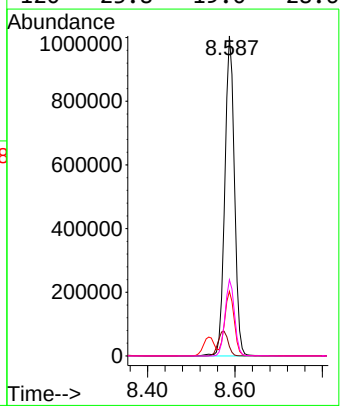


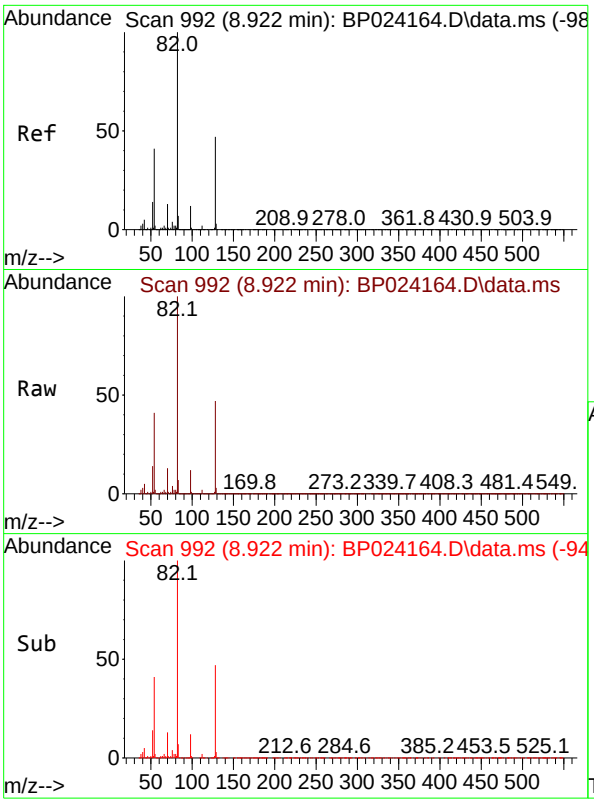




#22
Acetophenone
Concen: 38.574 ng
RT: 8.587 min Scan# 935
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



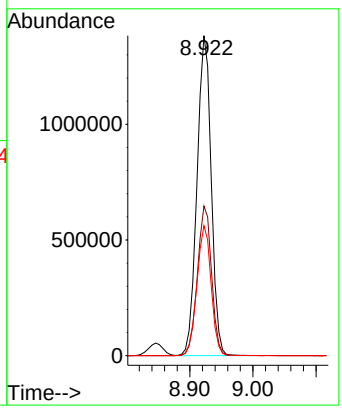


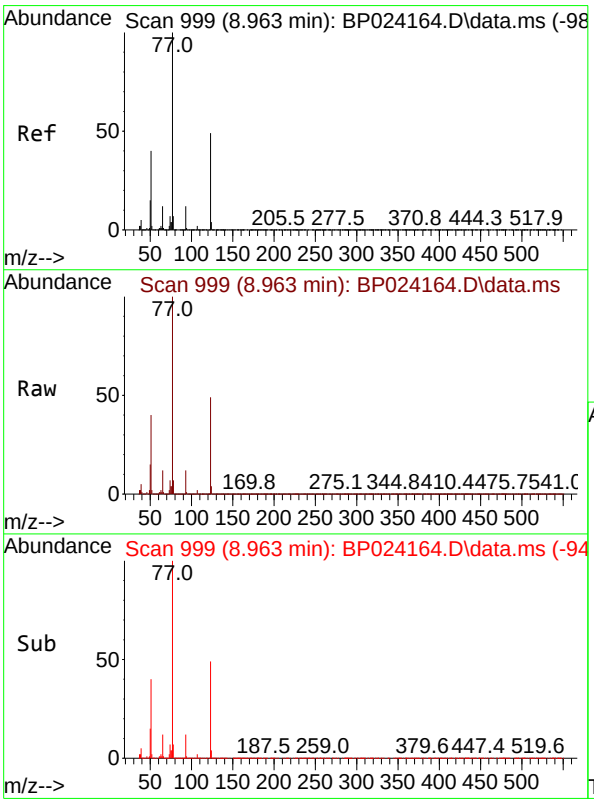

#23
Nitrobenzene-d5
Concen: 78.240 ng
RT: 8.922 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

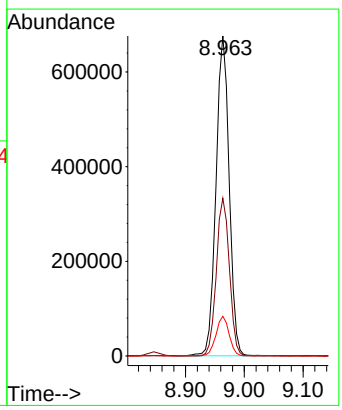


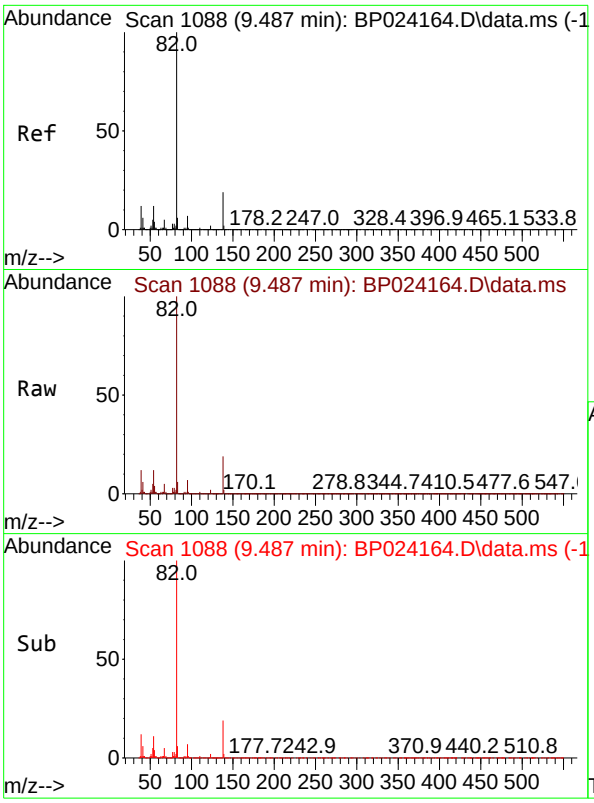




#24
Nitrobenzene
Concen: 38.662 ng
RT: 8.963 min Scan# 999
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



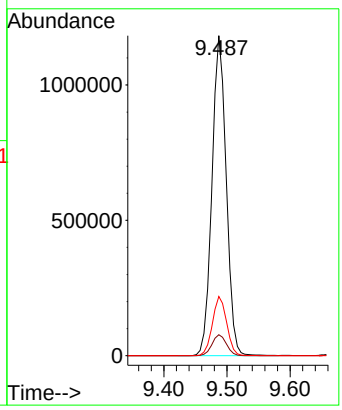


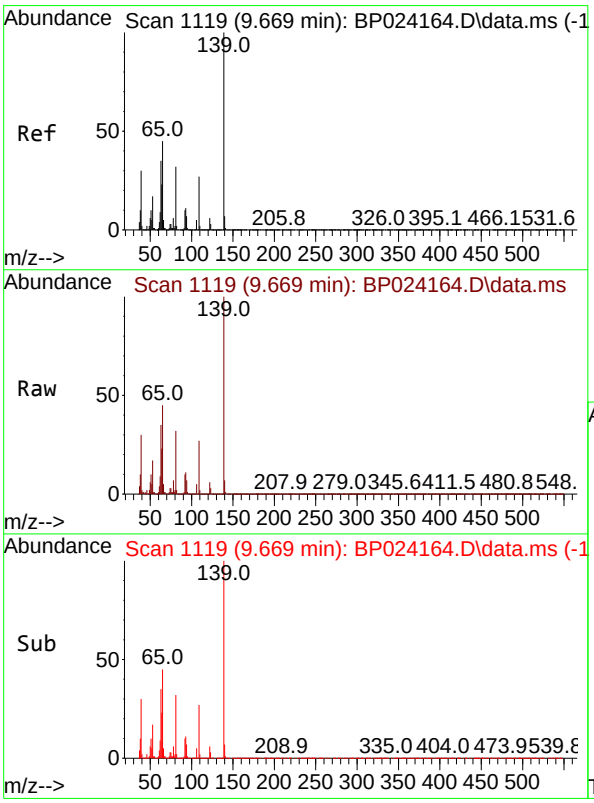

#25
Isophorone
Concen: 41.100 ng
RT: 9.487 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

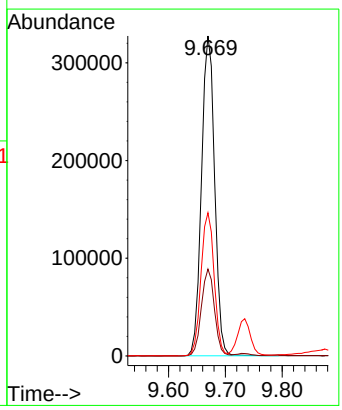


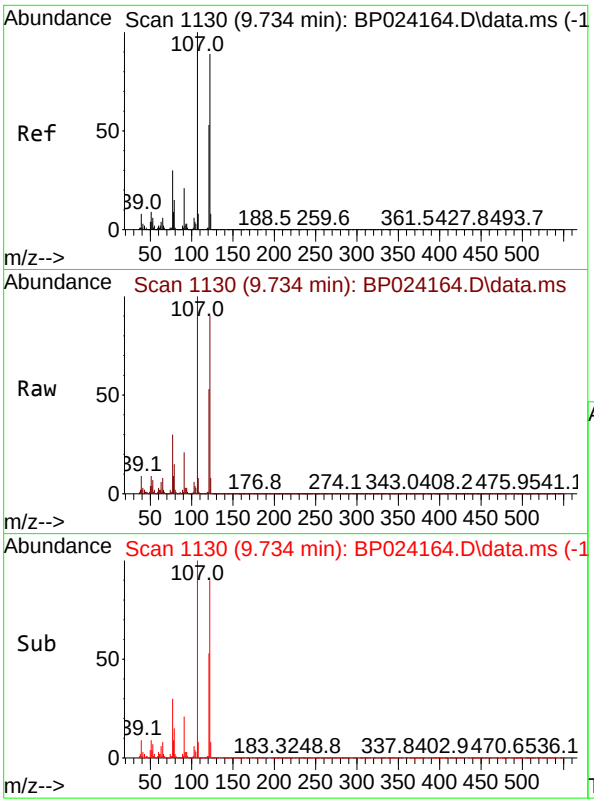




#26
2-Nitrophenol
Concen: 42.034 ng
RT: 9.669 min Scan# 1119
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



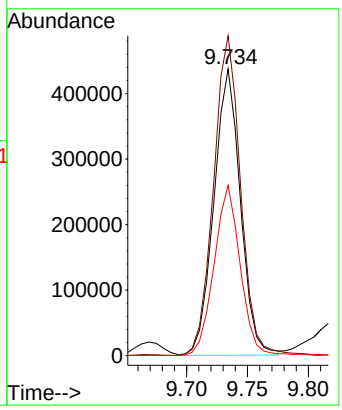


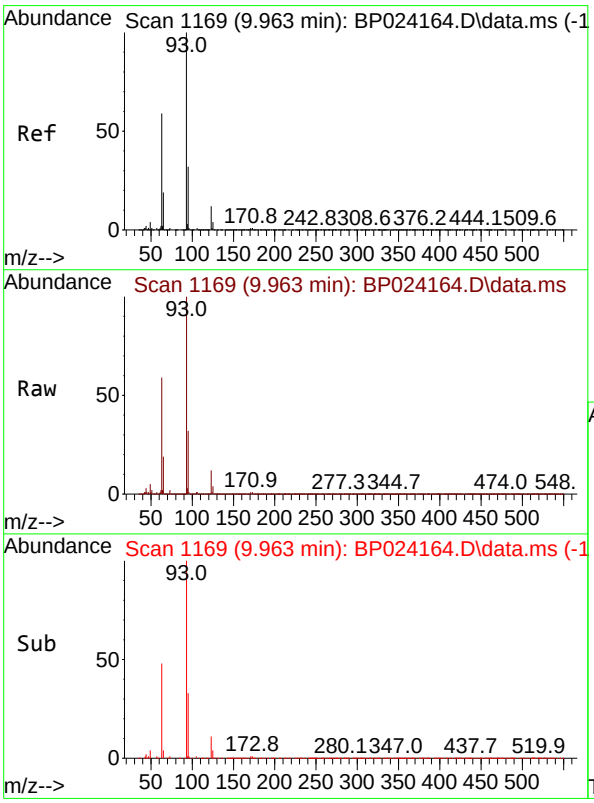

#27
2,4-Dimethylphenol
Concen: 40.316 ng
RT: 9.734 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

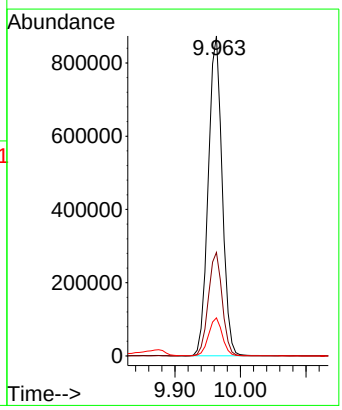


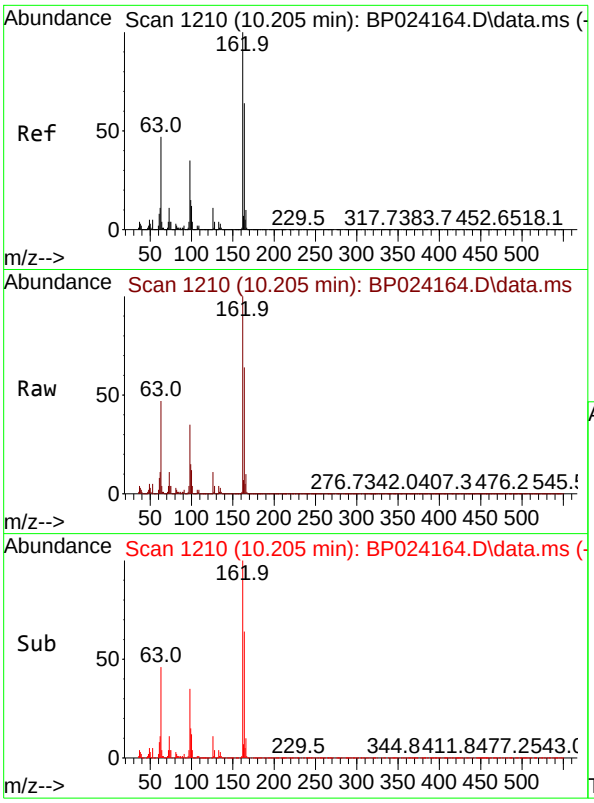




#28
bis(2-Chloroethoxy)methane
Concen: 39.353 ng
RT: 9.963 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



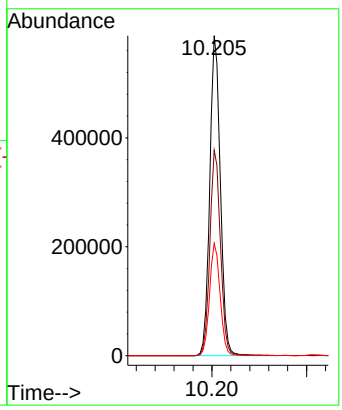


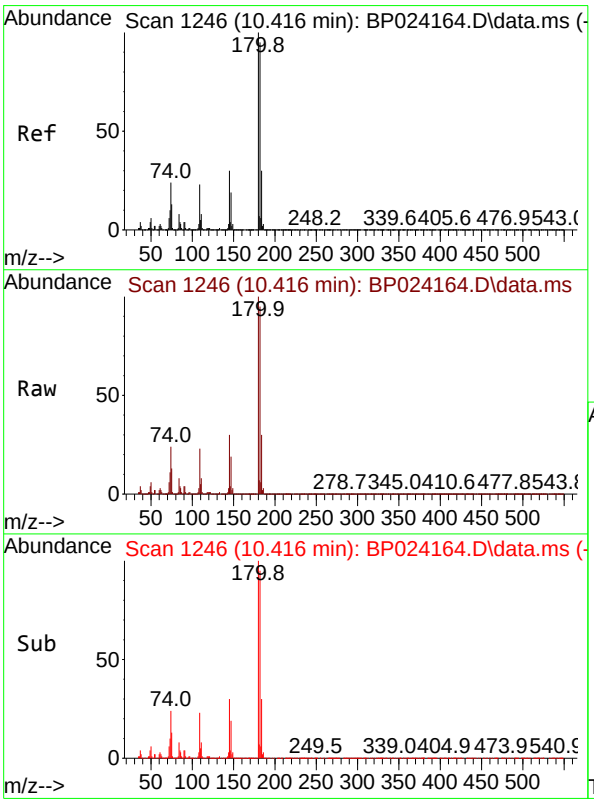

#29
2,4-Dichlorophenol
Concen: 40.720 ng
RT: 10.205 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

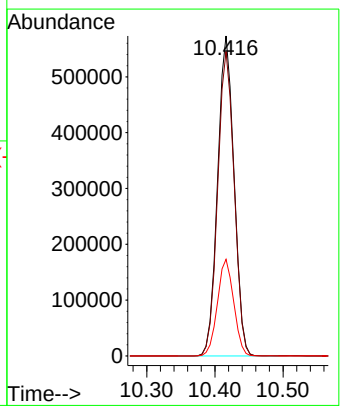


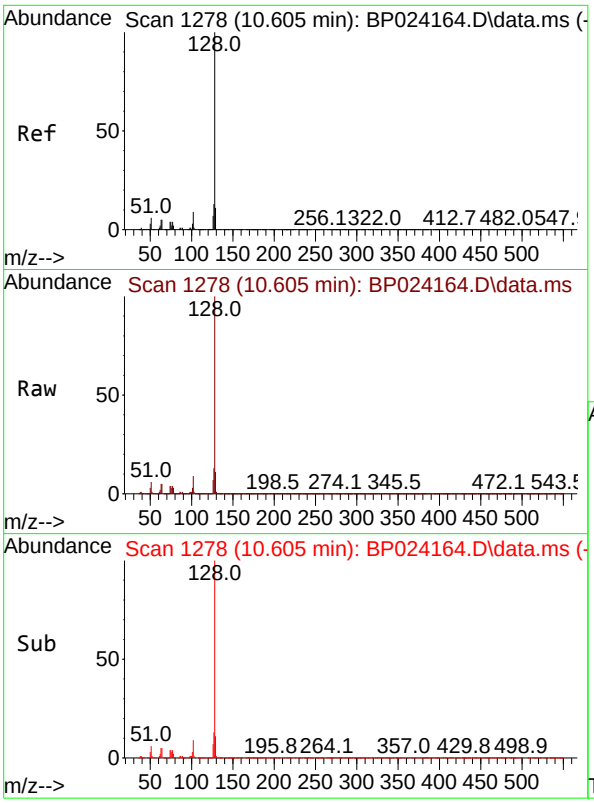




#30
1,2,4-Trichlorobenzene
Concen: 37.439 ng
RT: 10.416 min Scan# 1246
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



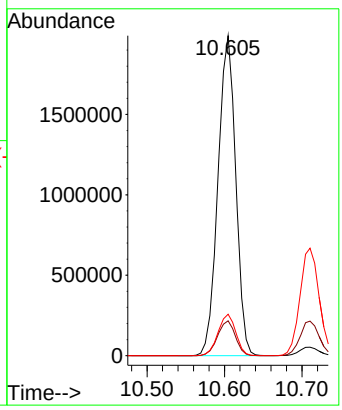


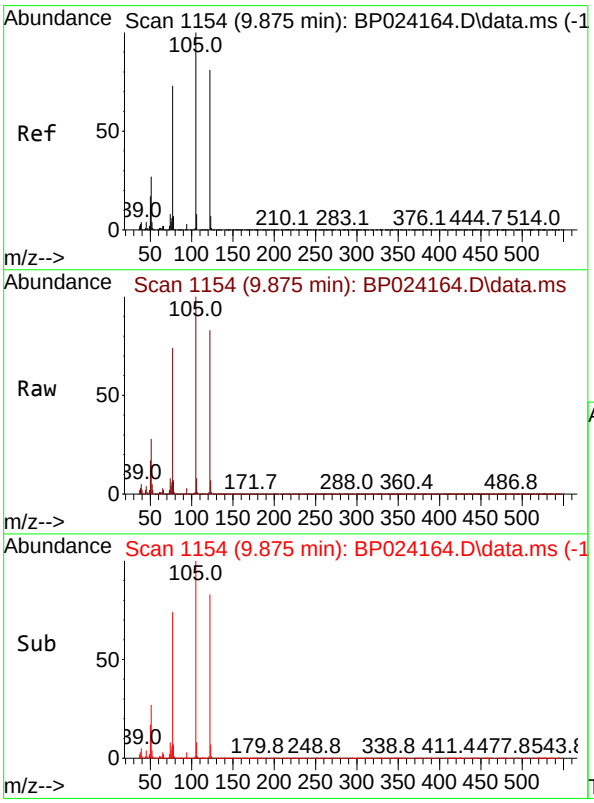

#31
Naphthalene
Concen: 38.287 ng
RT: 10.605 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

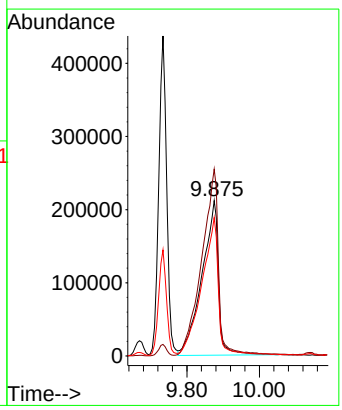


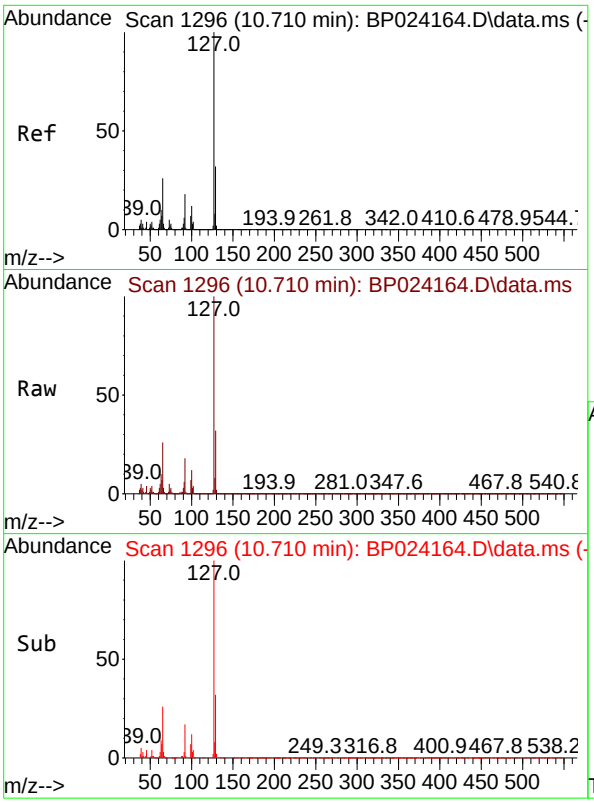




#32
Benzoic acid
Concen: 44.564 ng
RT: 9.875 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



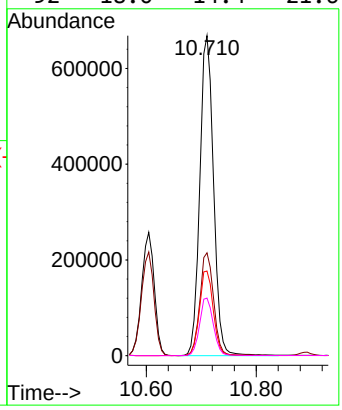


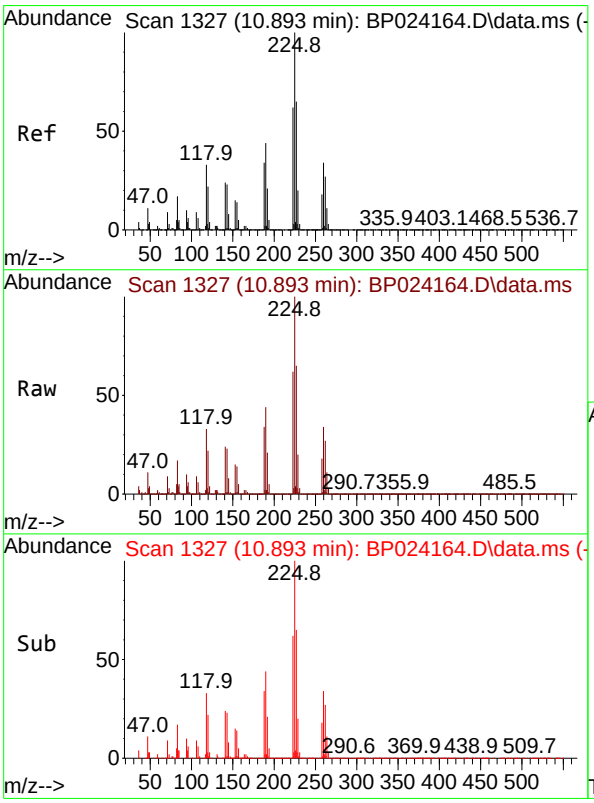

#33
4-Chloroaniline
Concen: 39.789 ng
RT: 10.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

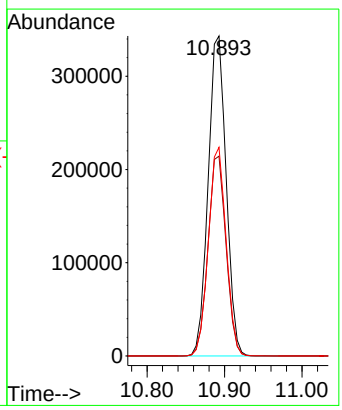


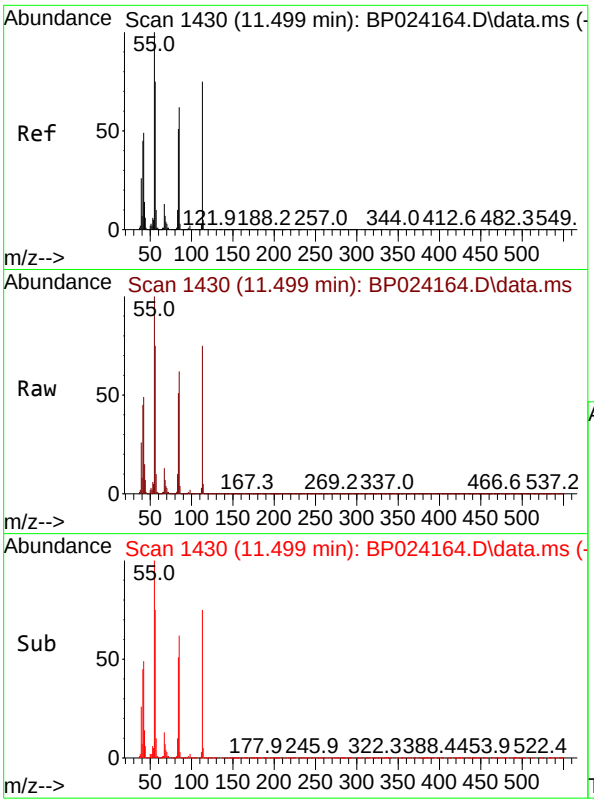




#34
Hexachlorobutadiene
Concen: 37.241 ng
RT: 10.893 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



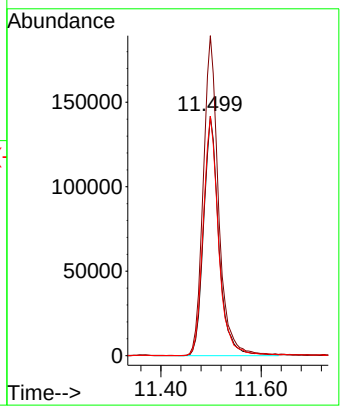


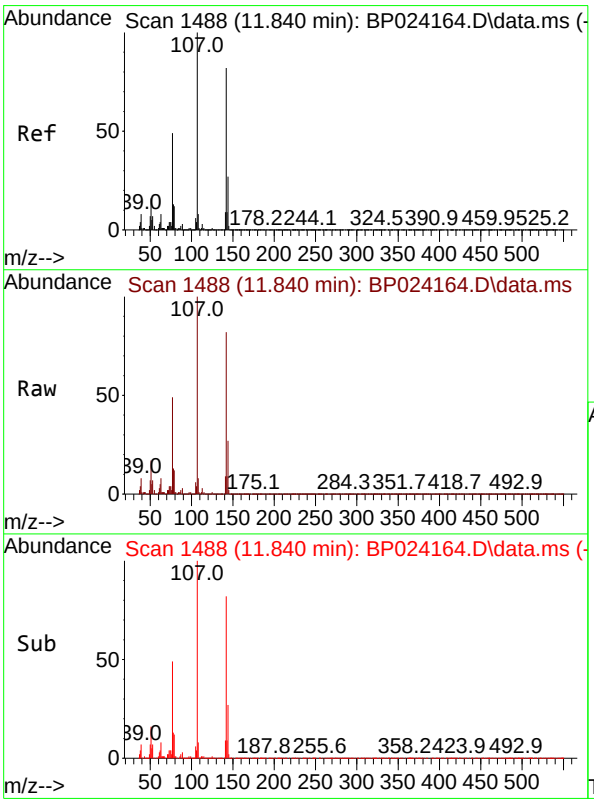

#35
Caprolactam
Concen: 44.083 ng
RT: 11.499 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

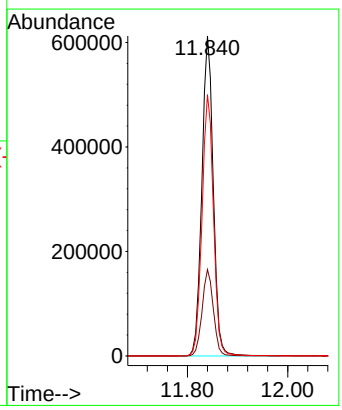


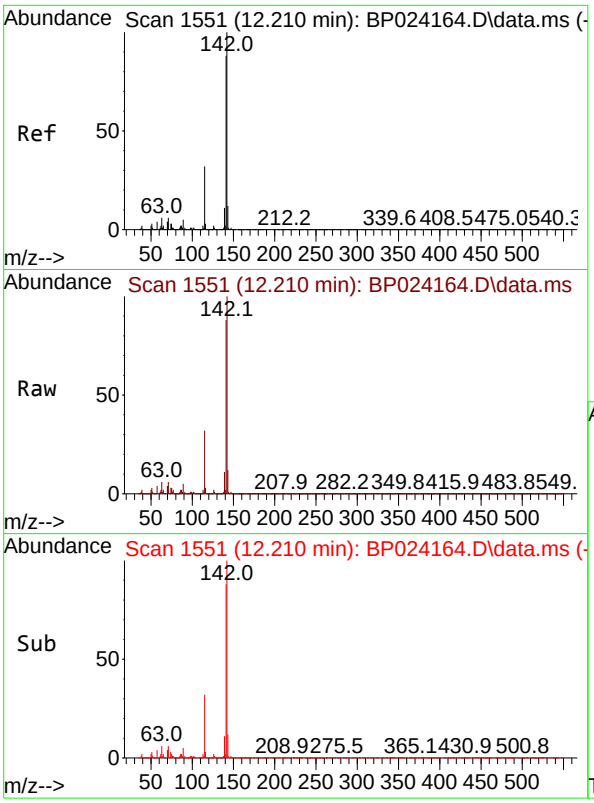




#36
4-Chloro-3-methylphenol
Concen: 41.977 ng
RT: 11.840 min Scan# 1488
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



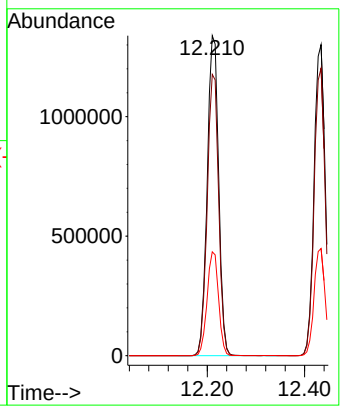


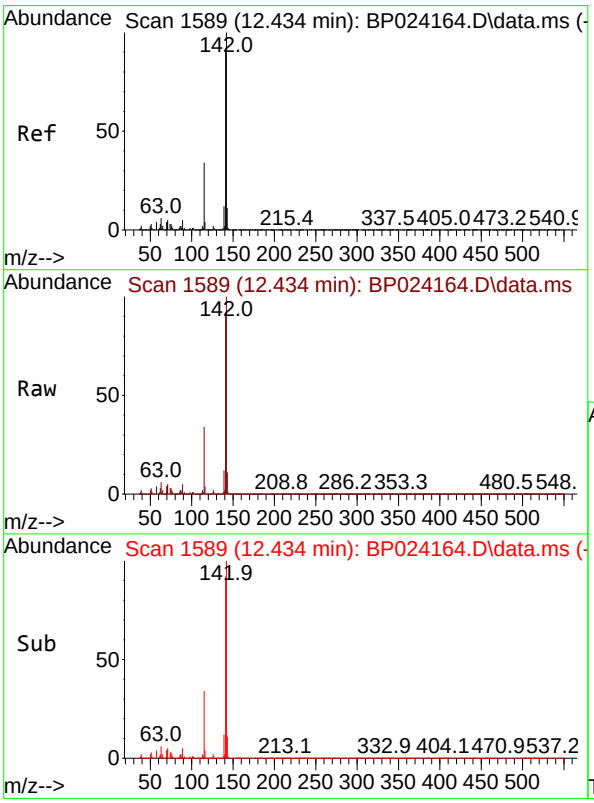

#37
2-Methylnaphthalene
Concen: 39.419 ng
RT: 12.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

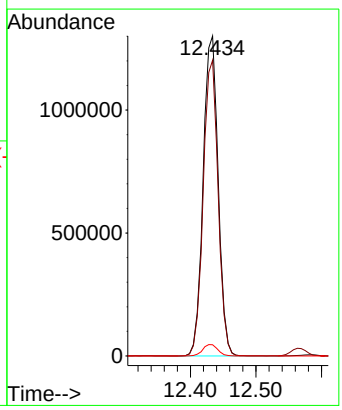


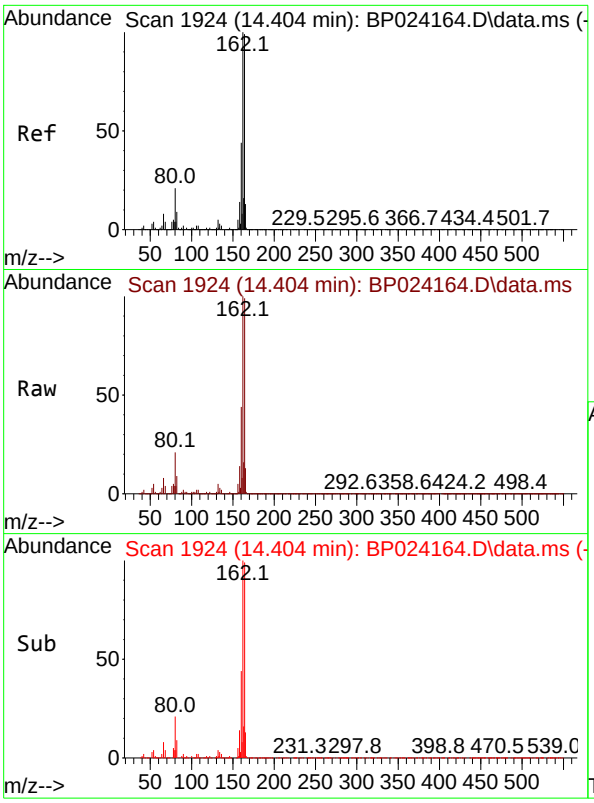




#38
1-Methylnaphthalene
Concen: 38.734 ng
RT: 12.434 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



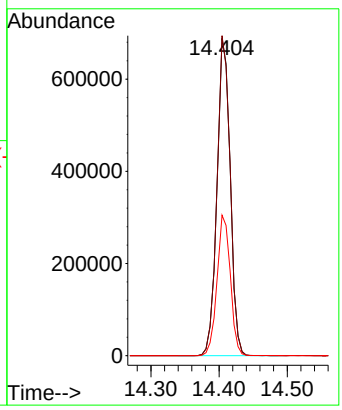


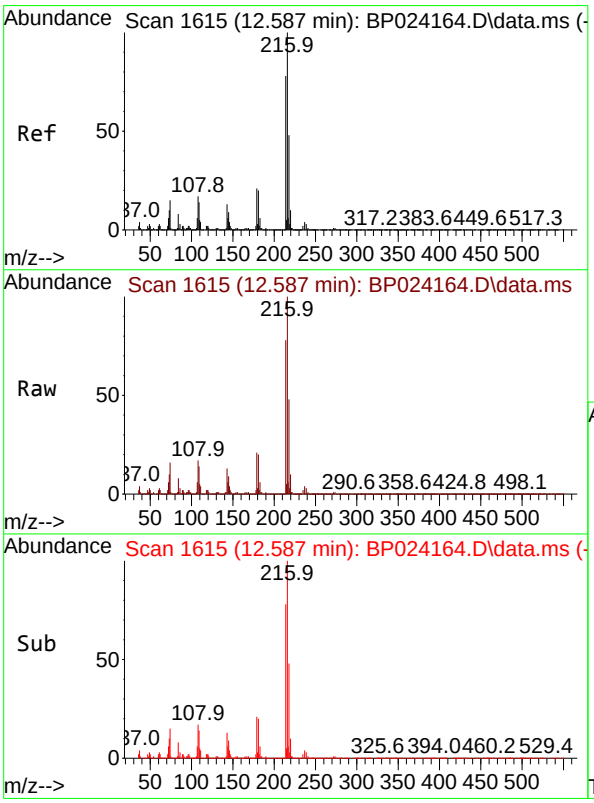

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

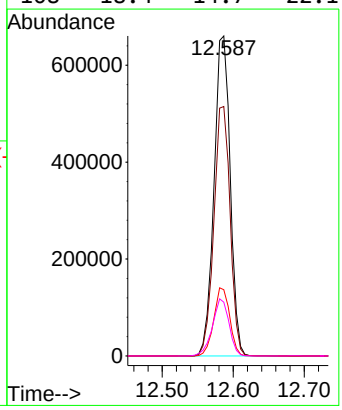


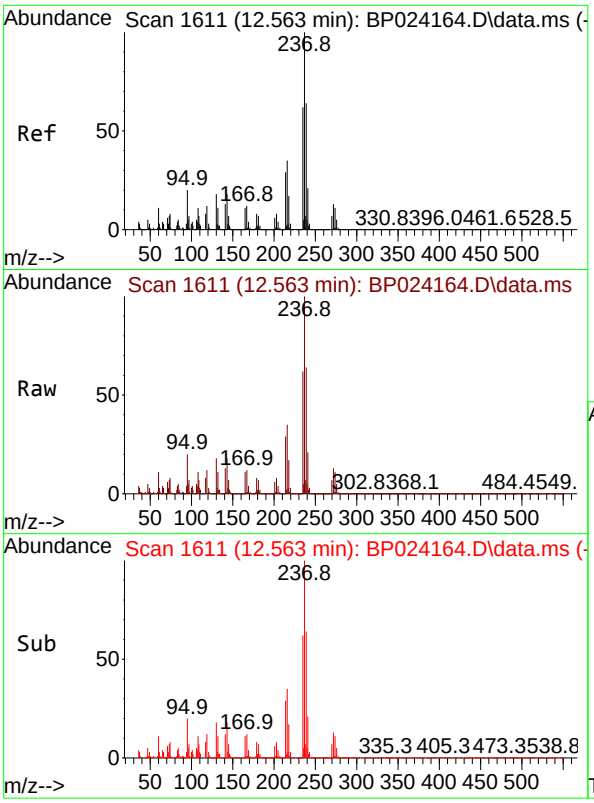




#40
1,2,4,5-Tetrachlorobenzene
Concen: 36.348 ng
RT: 12.587 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



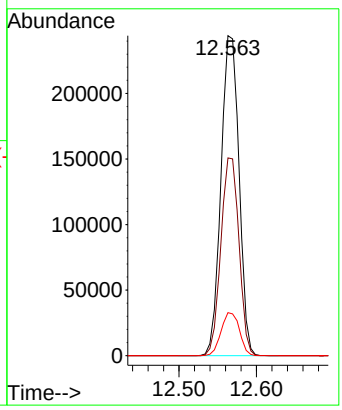


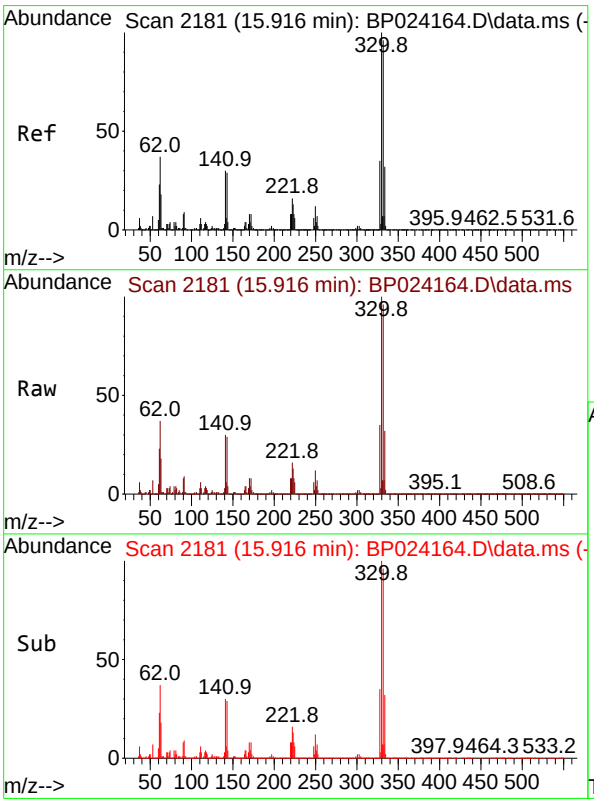

#41
Hexachlorocyclopentadiene
Concen: 37.139 ng
RT: 12.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

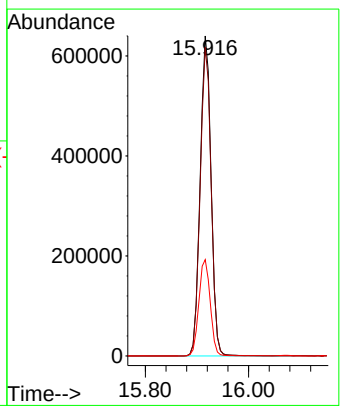


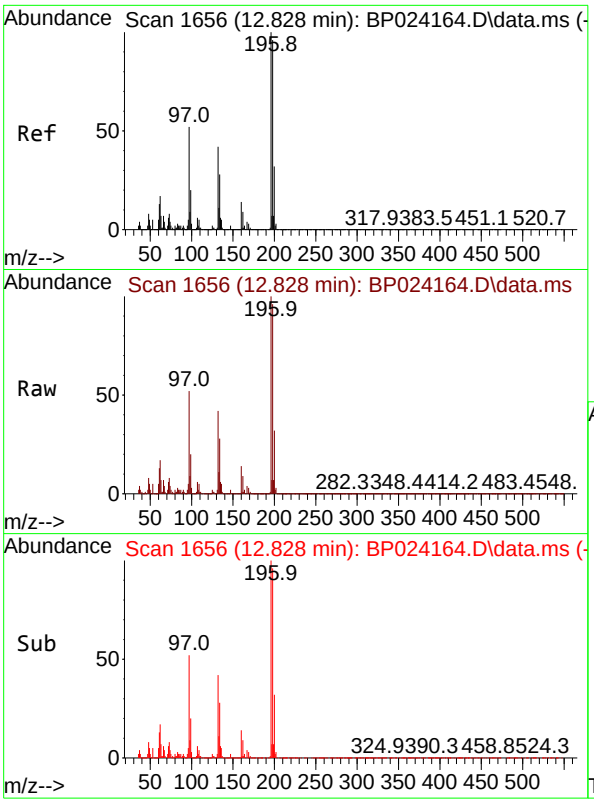




#42
2,4,6-Tribromophenol
Concen: 82.309 ng
RT: 15.916 min Scan# 2181
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



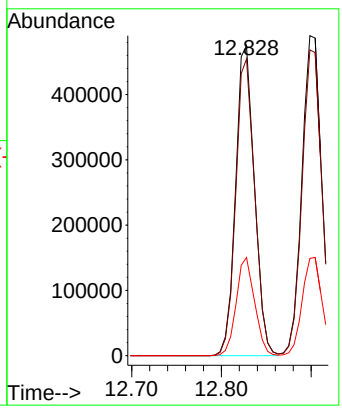


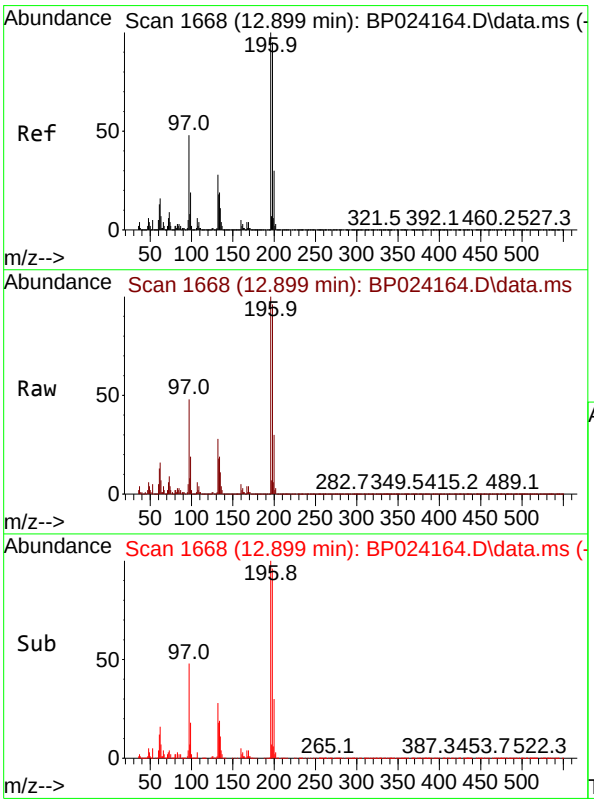

#43
2,4,6-Trichlorophenol
Concen: 39.731 ng
RT: 12.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

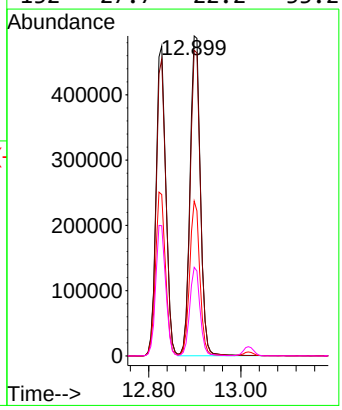


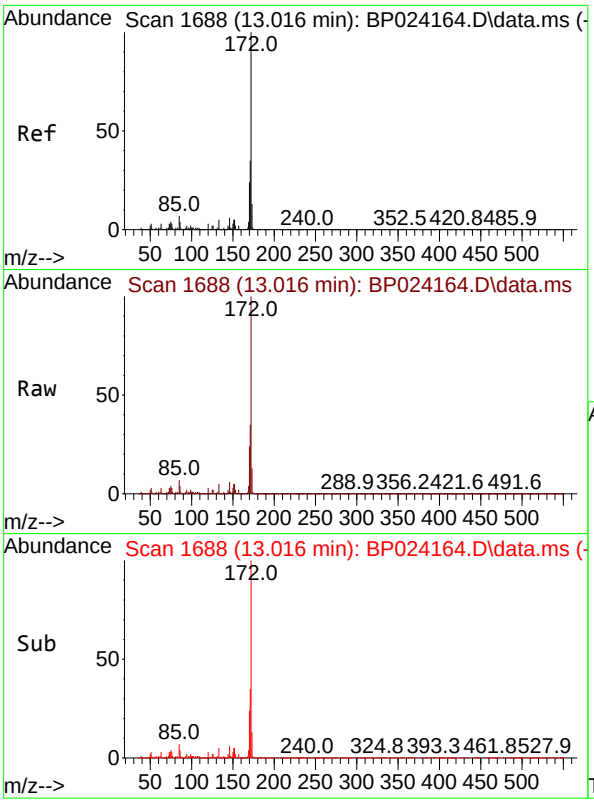




#44
2,4,5-Trichlorophenol
Concen: 39.872 ng
RT: 12.899 min Scan# 1668
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



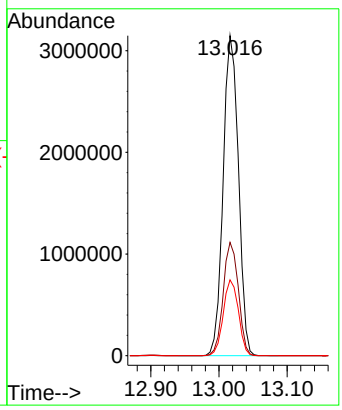


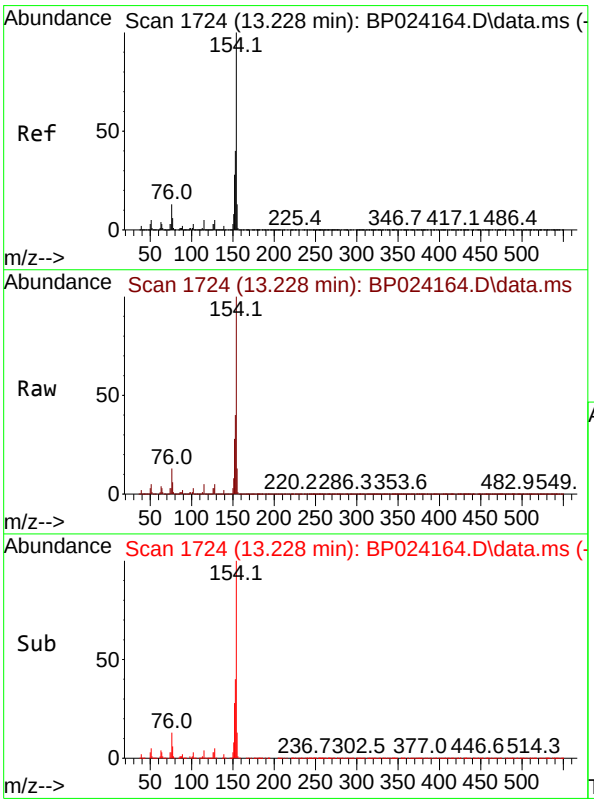

#45
2-Fluorobiphenyl
Concen: 73.785 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

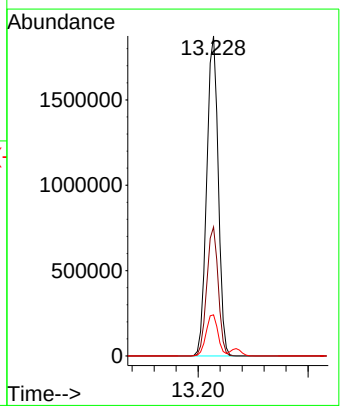


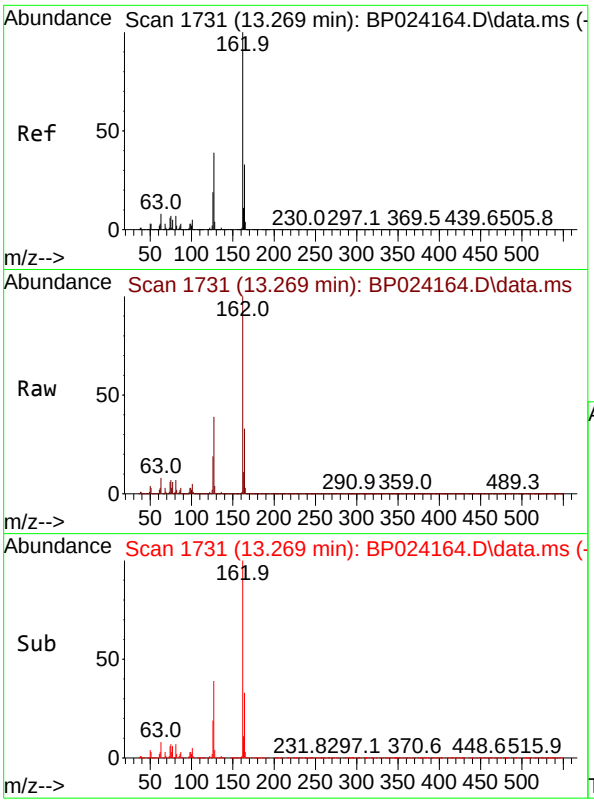




#46
1,1'-Biphenyl
Concen: 37.621 ng
RT: 13.228 min Scan# 1724
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



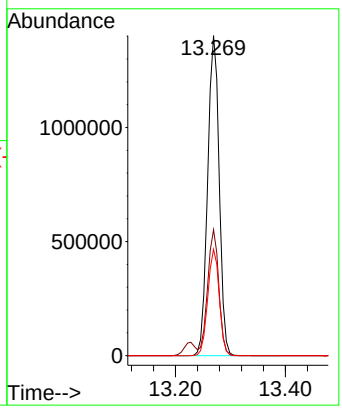


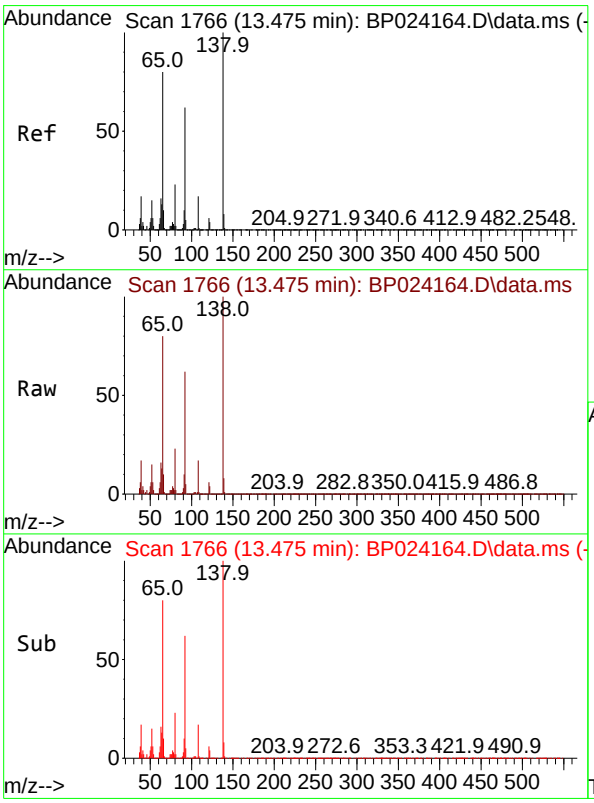

#47
2-Chloronaphthalene
Concen: 37.269 ng
RT: 13.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

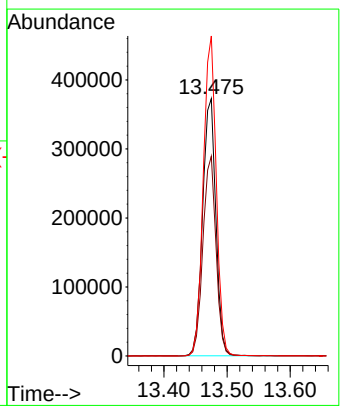


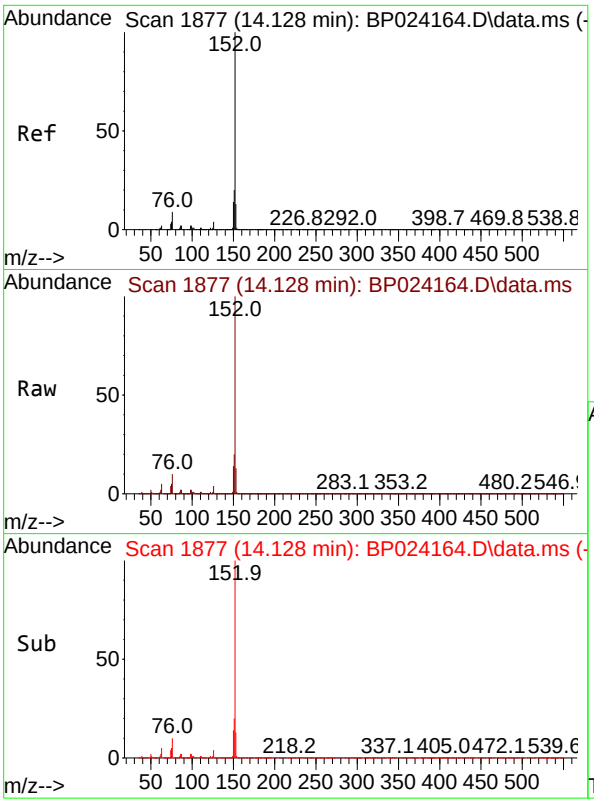




#48
2-Nitroaniline
Concen: 42.085 ng
RT: 13.475 min Scan# 1766
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



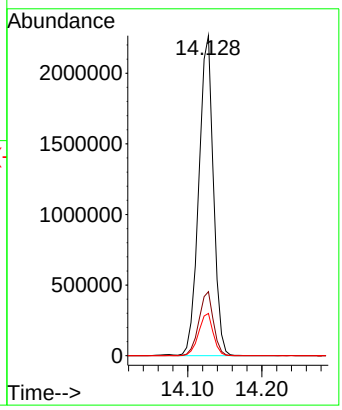


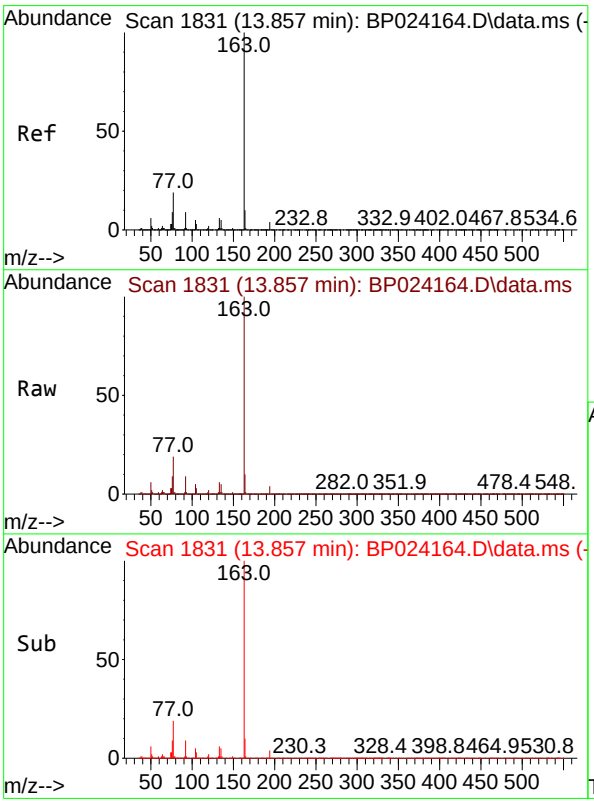

#49
Acenaphthylene
Concen: 38.389 ng
RT: 14.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

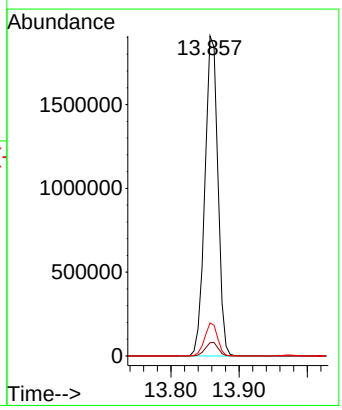


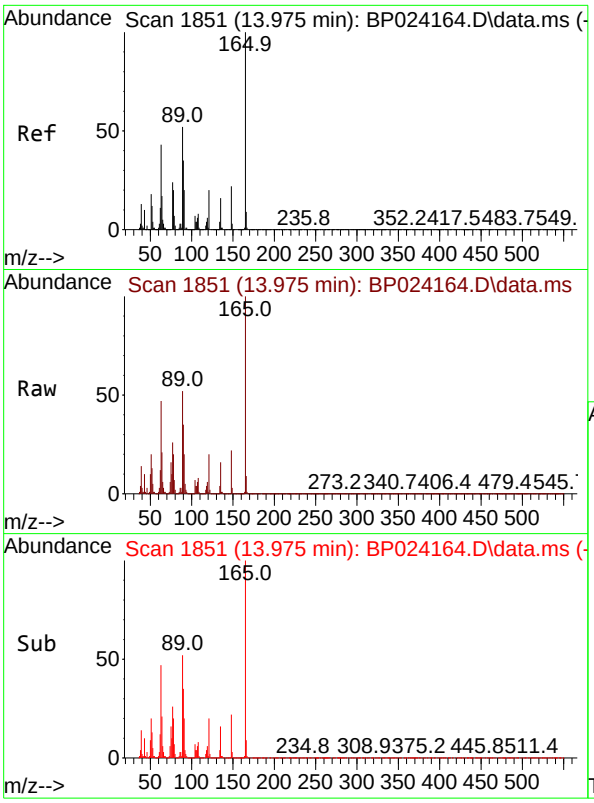




#50
Dimethylphthalate
Concen: 38.493 ng
RT: 13.857 min Scan# 1831
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



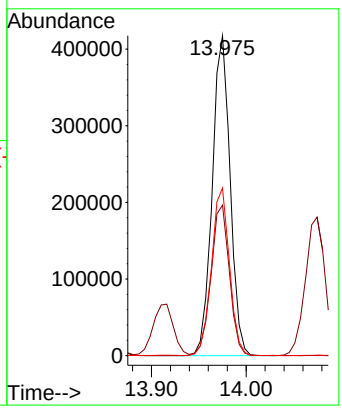


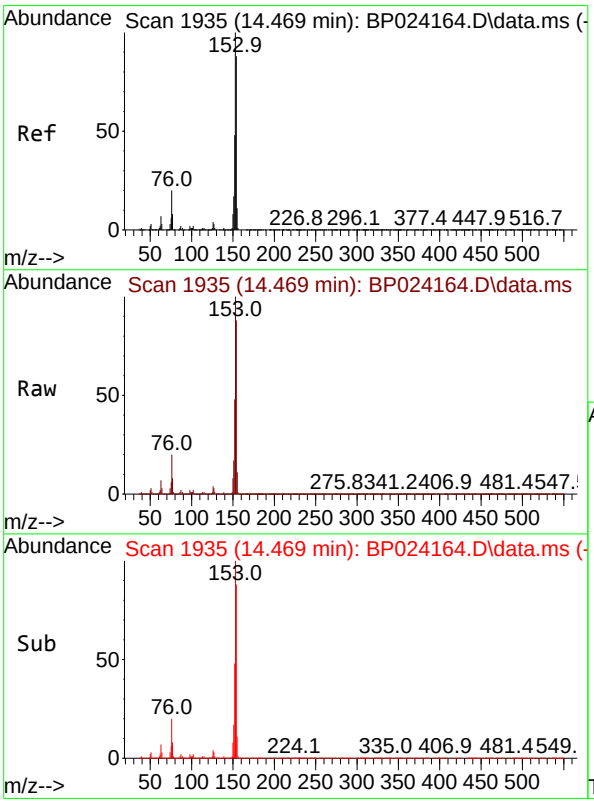

#51
2,6-Dinitrotoluene
Concen: 40.901 ng
RT: 13.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

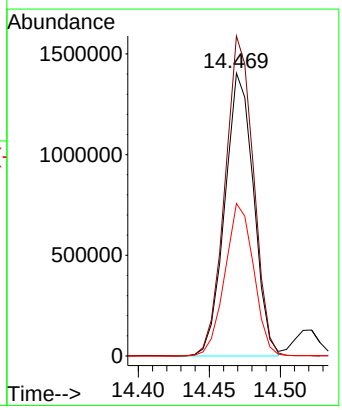


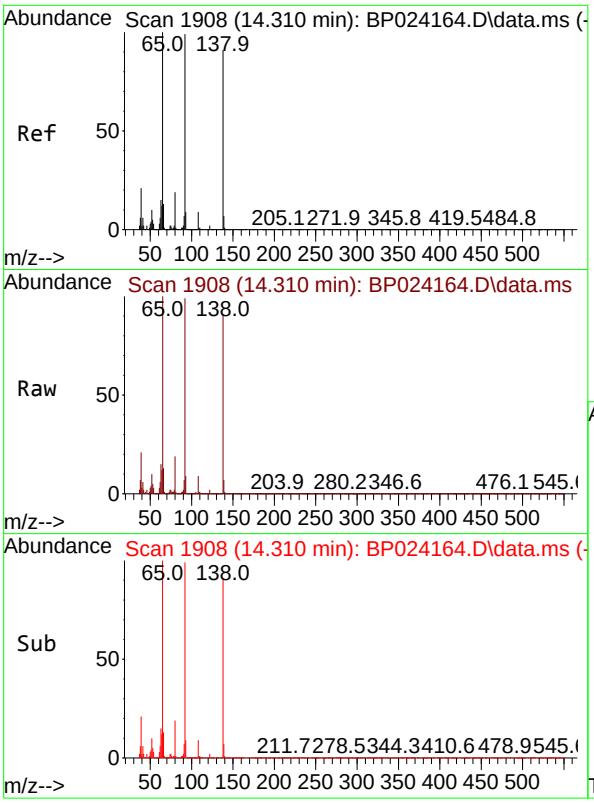




#52
Acenaphthene
Concen: 38.061 ng
RT: 14.469 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



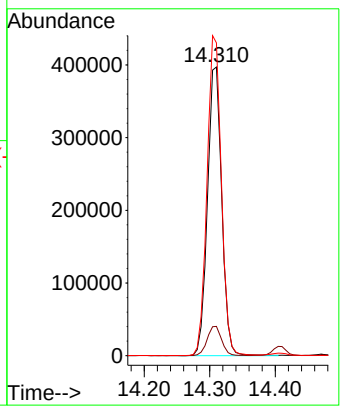


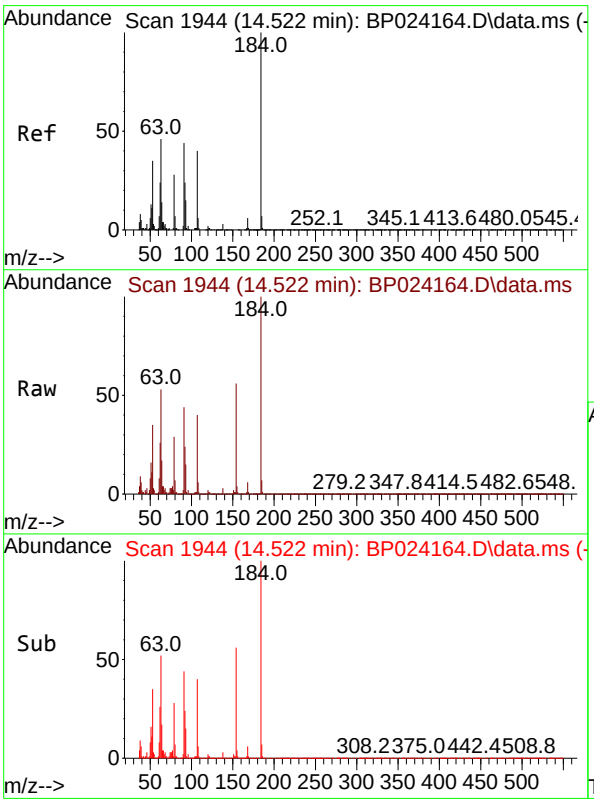

#53
3-Nitroaniline
Concen: 42.038 ng
RT: 14.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

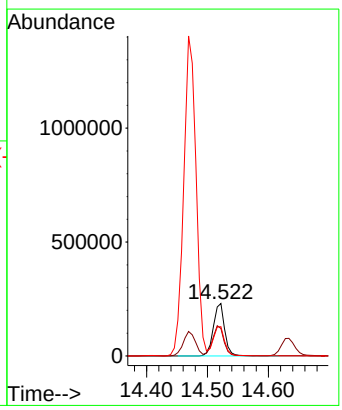


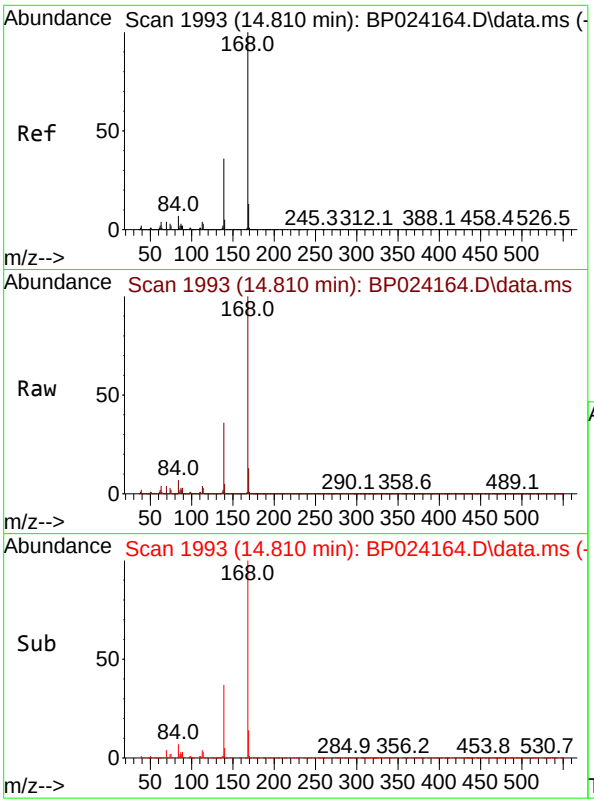




#54
2,4-Dinitrophenol
Concen: 41.760 ng
RT: 14.522 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



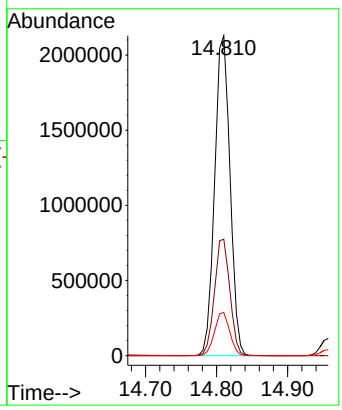


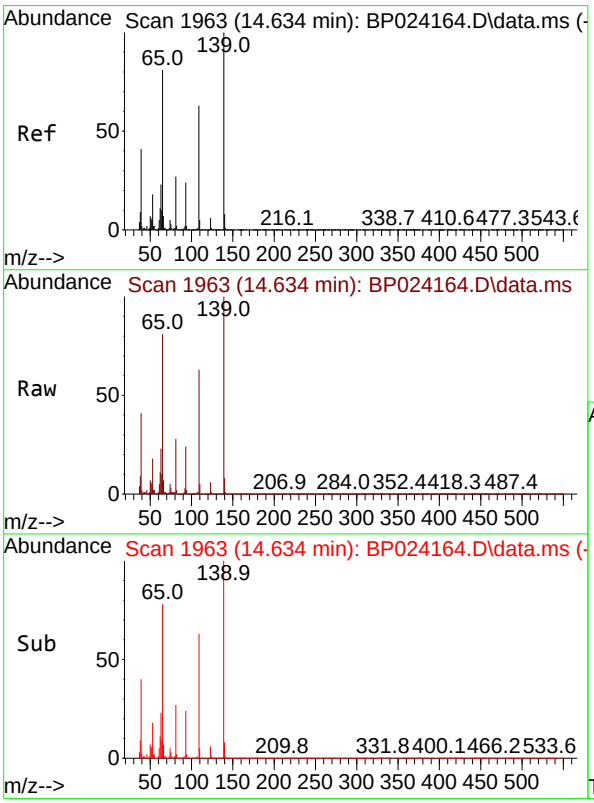

#55
Dibenzofuran
Concen: 37.802 ng
RT: 14.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

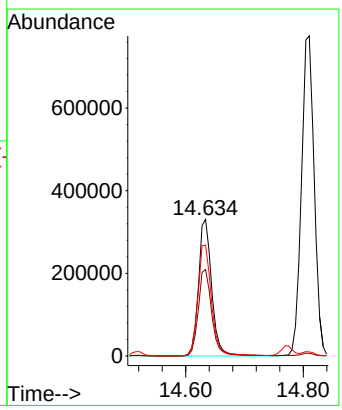


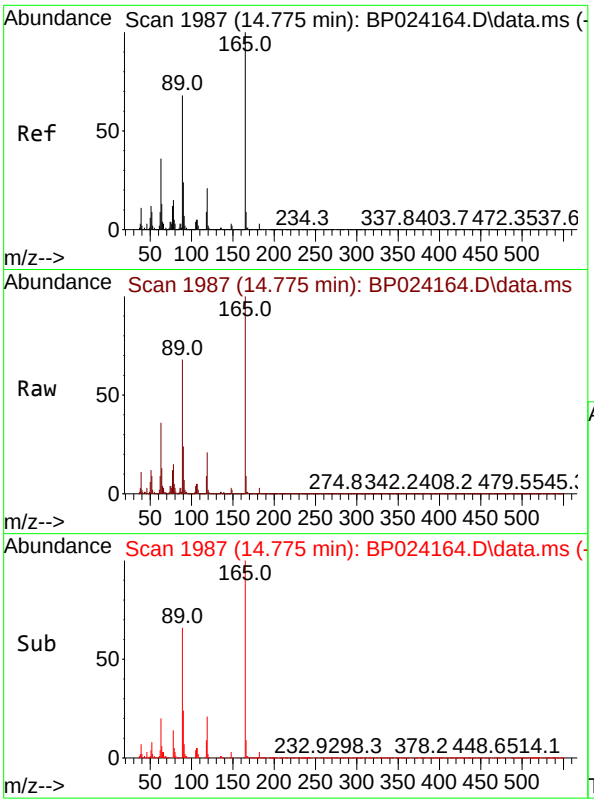




#56
4-Nitrophenol
Concen: 41.811 ng
RT: 14.634 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



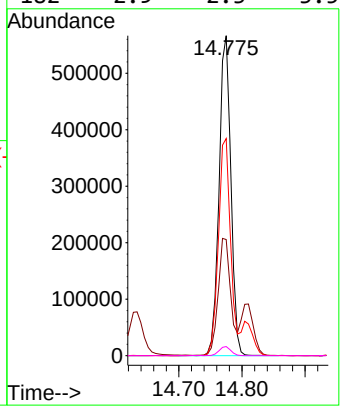


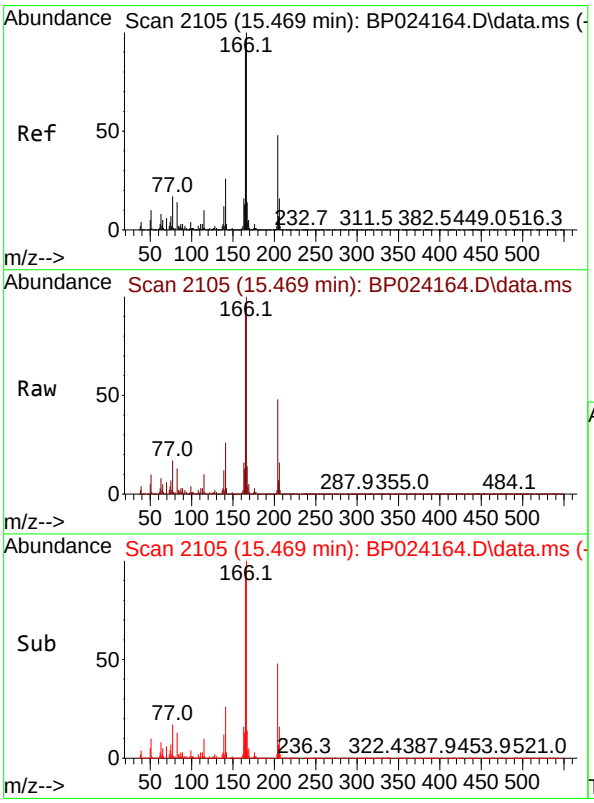

#57
2,4-Dinitrotoluene
Concen: 42.180 ng
RT: 14.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

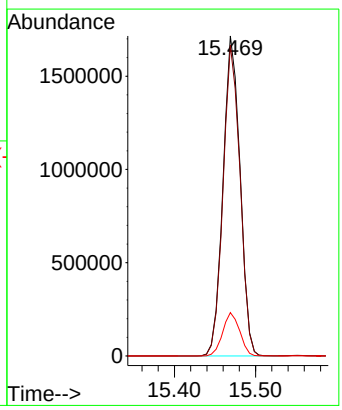


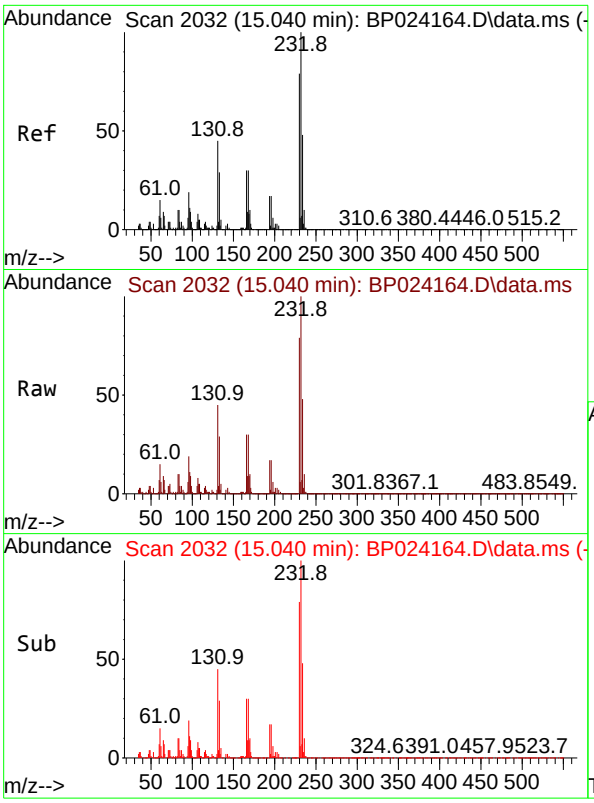




#58
Fluorene
Concen: 38.039 ng
RT: 15.469 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



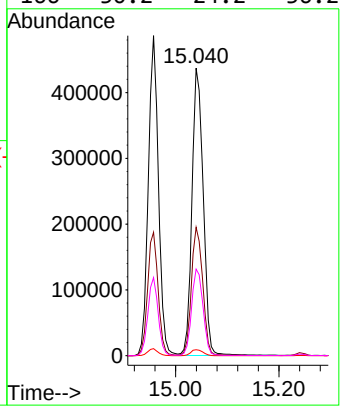


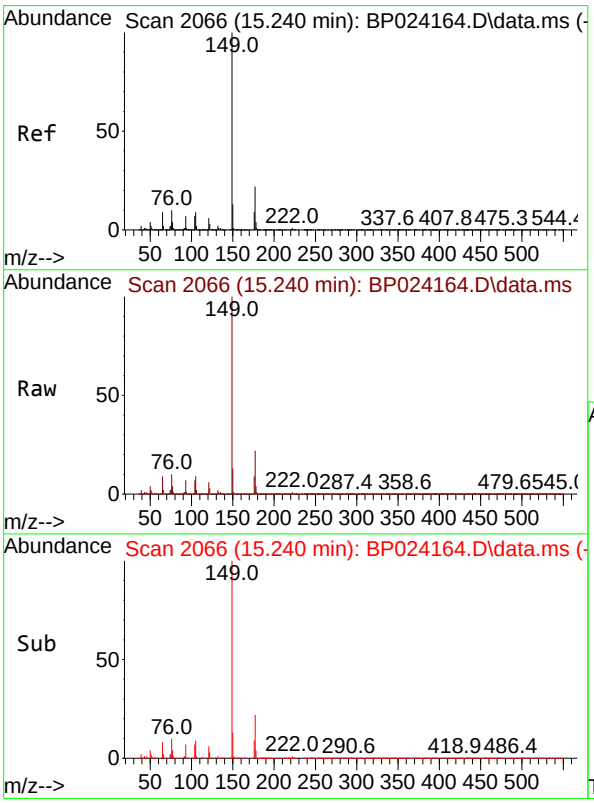

#59
2,3,4,6-Tetrachlorophenol
Concen: 40.068 ng
RT: 15.040 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

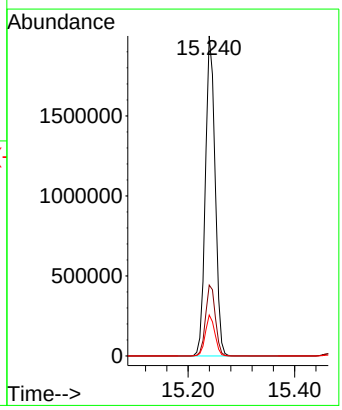


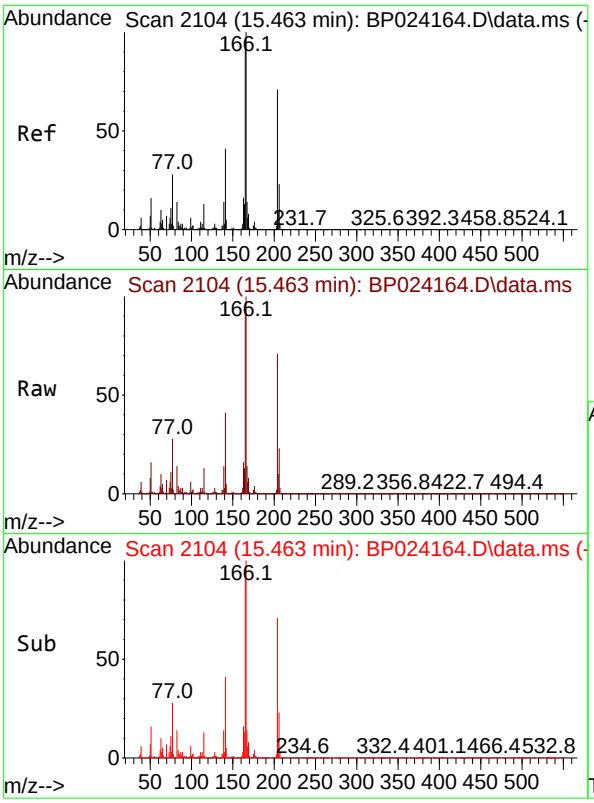




#60
Diethylphthalate
Concen: 38.794 ng
RT: 15.240 min Scan# 2066
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



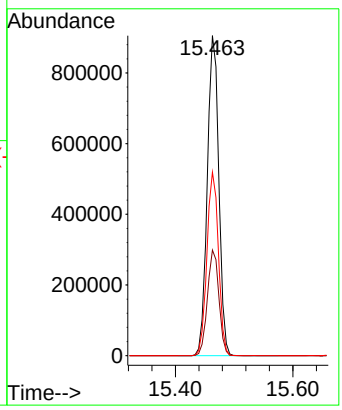


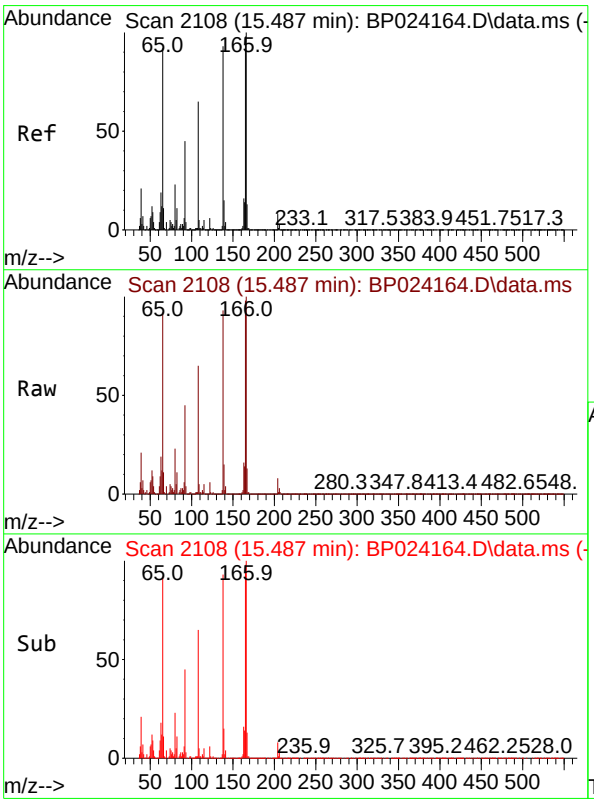

#61
4-Chlorophenyl-phenylether
Concen: 37.829 ng
RT: 15.463 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

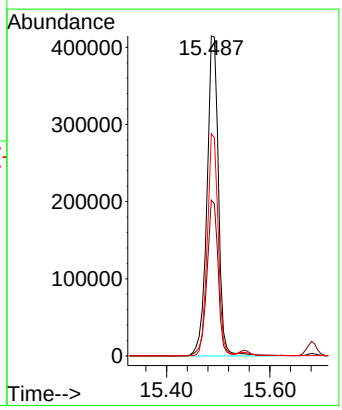


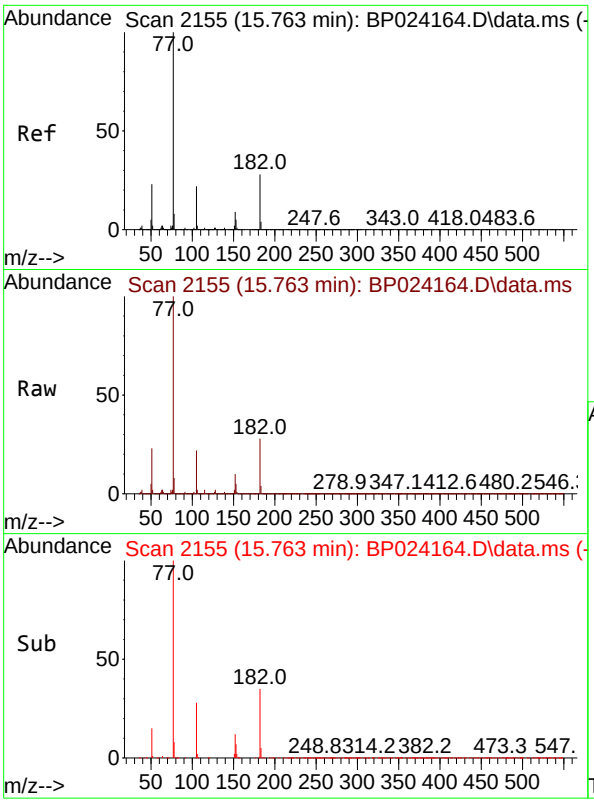




#62
4-Nitroaniline
Concen: 43.134 ng
RT: 15.487 min Scan# 2108
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



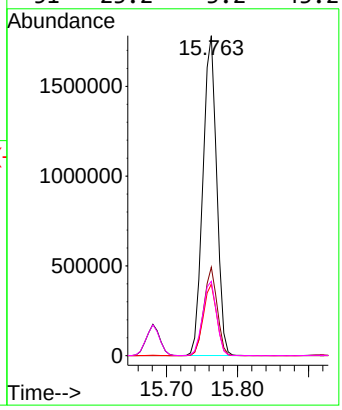


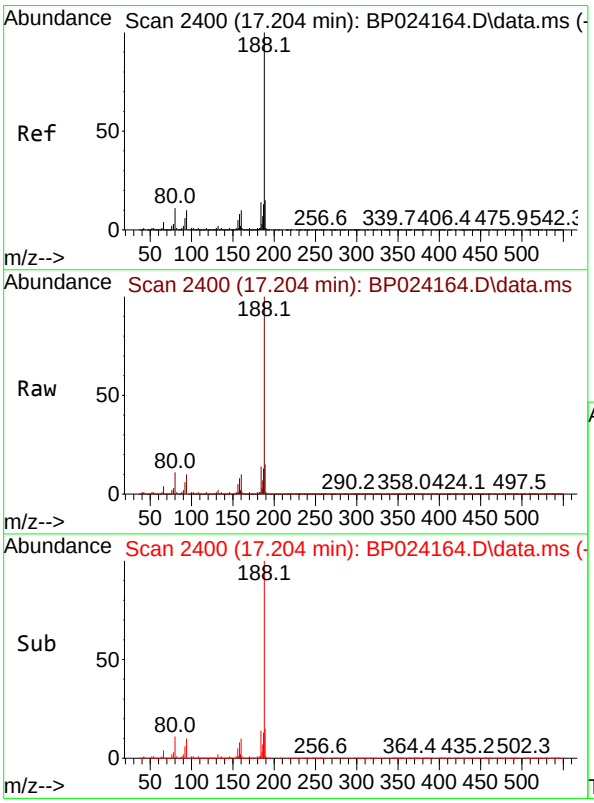

#63
Azobenzene
Concen: 39.335 ng
RT: 15.763 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

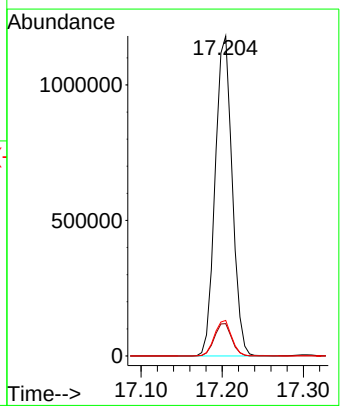


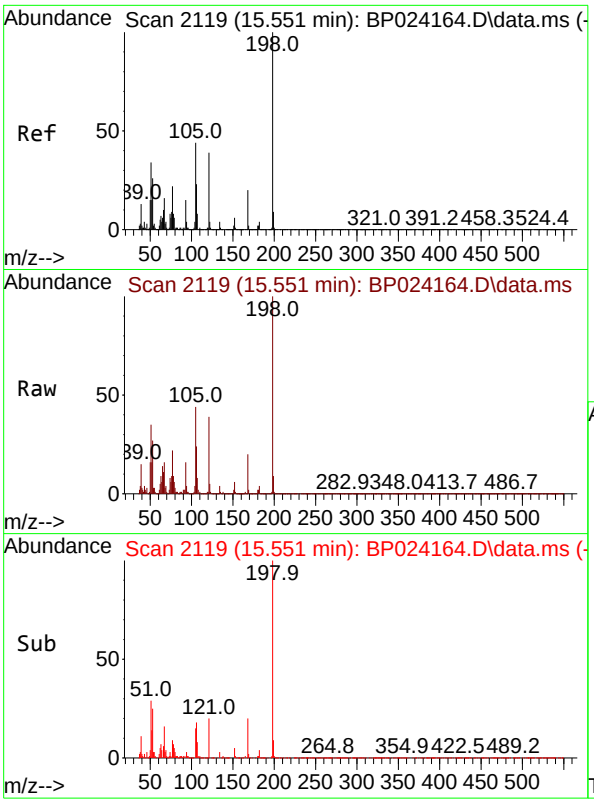




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2400
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



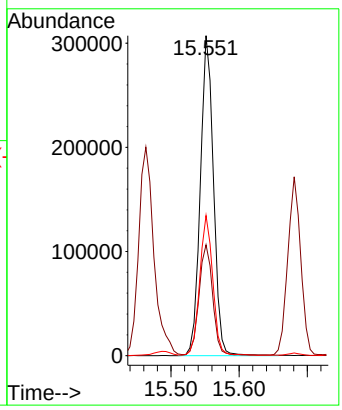


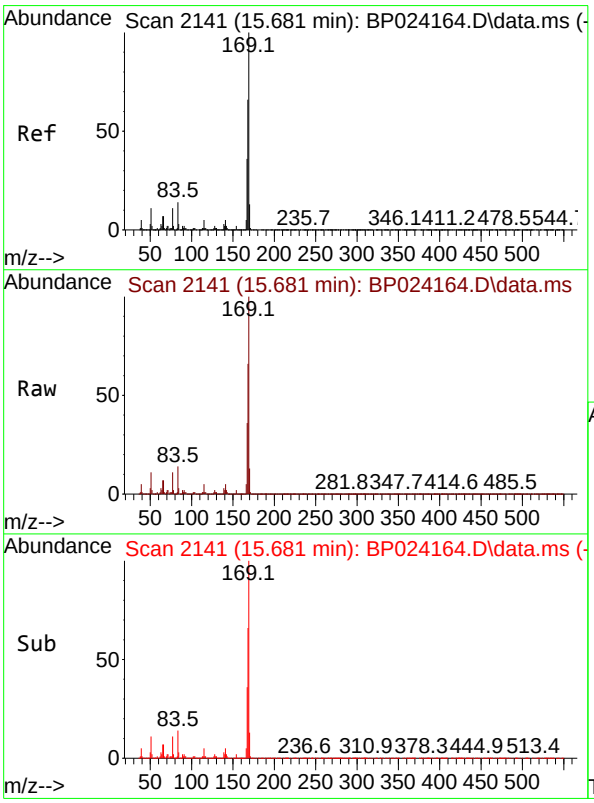

#65
4,6-Dinitro-2-methylphenol
Concen: 41.395 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

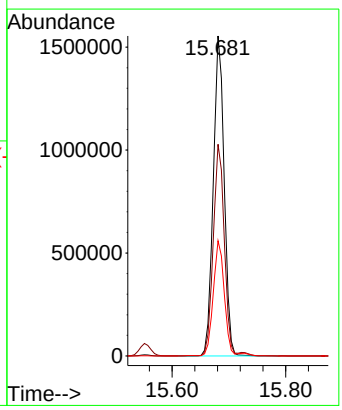


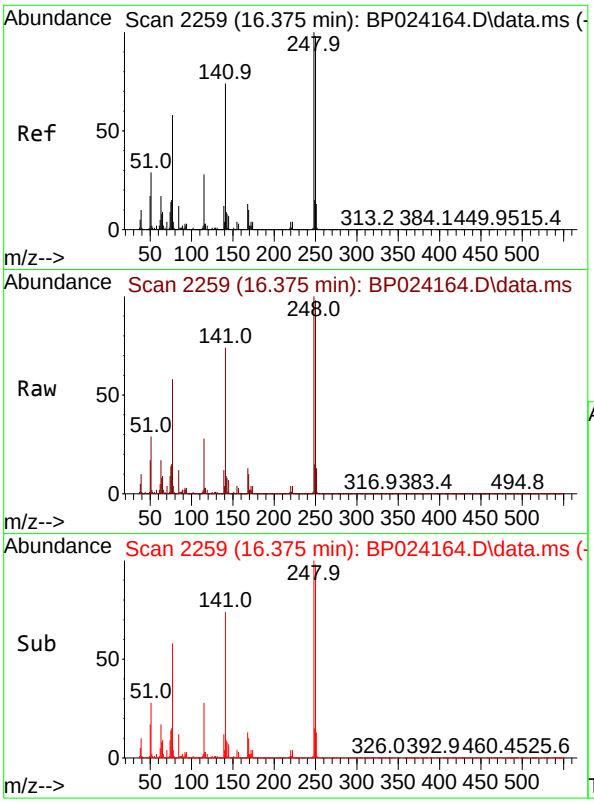




#66
n-Nitrosodiphenylamine
Concen: 38.450 ng
RT: 15.681 min Scan# 2141
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



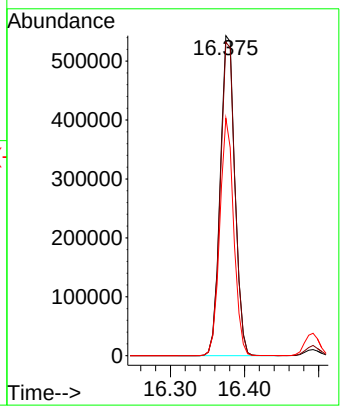


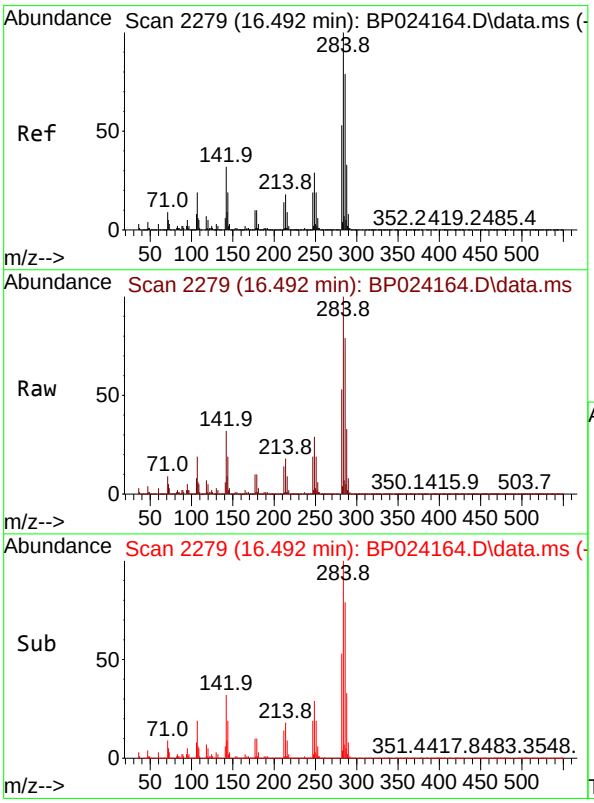

#67
4-Bromophenyl-phenylether
Concen: 38.570 ng
RT: 16.375 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

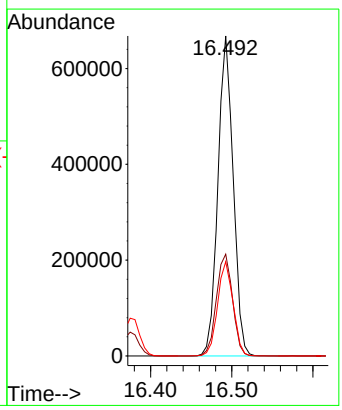


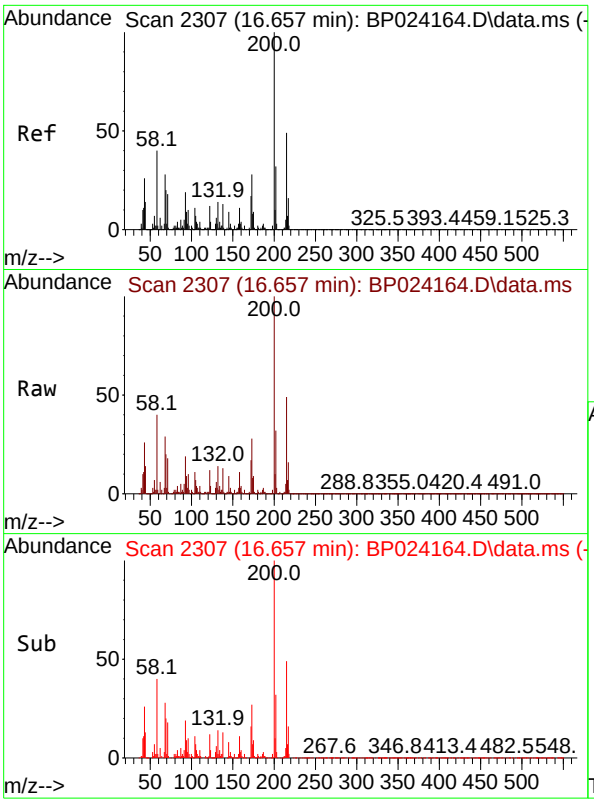




#68
Hexachlorobenzene
Concen: 38.435 ng
RT: 16.492 min Scan# 2279
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



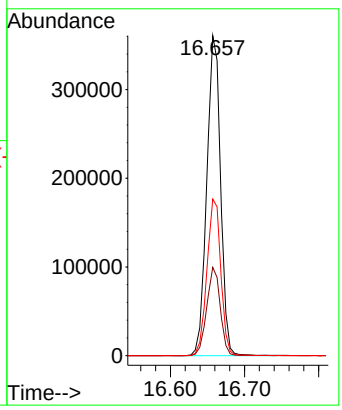


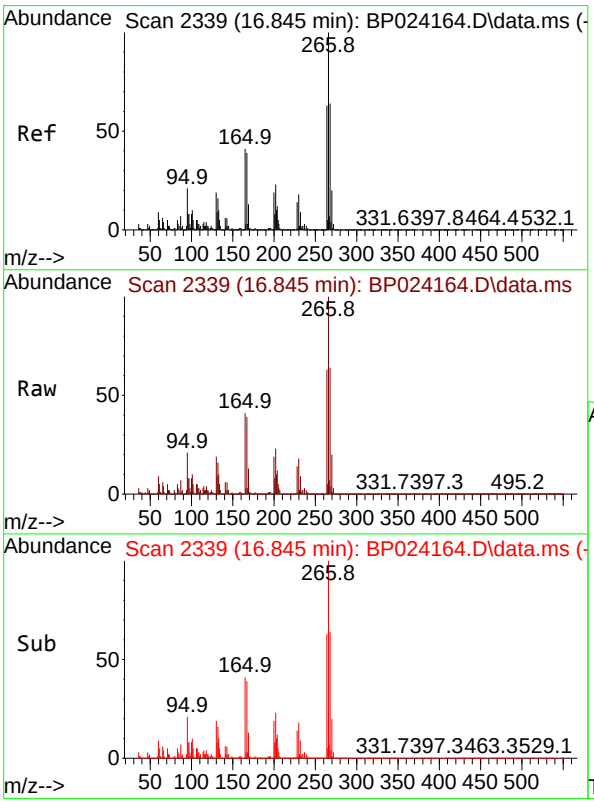

#69
Atrazine
Concen: 33.855 ng
RT: 16.657 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

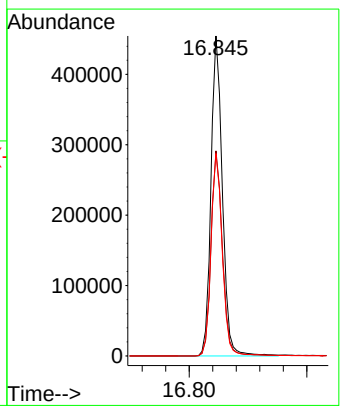


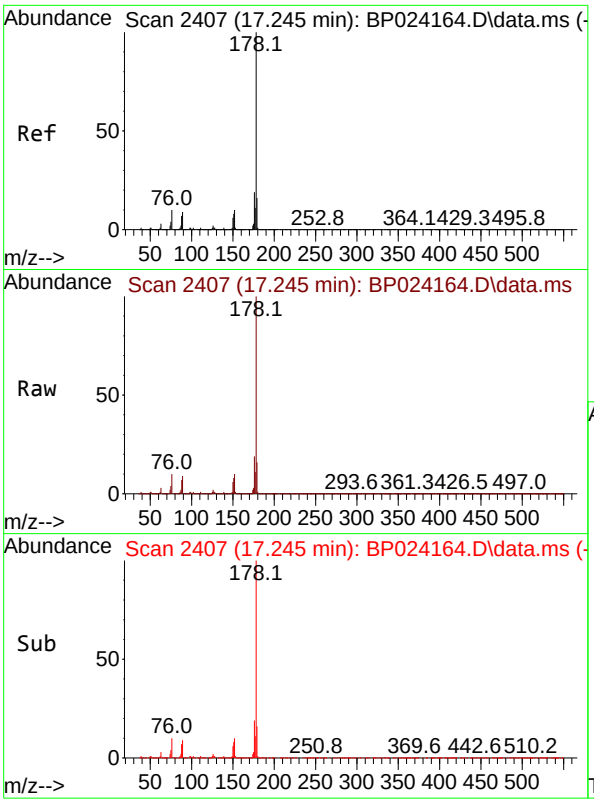




#70
Pentachlorophenol
Concen: 41.352 ng
RT: 16.845 min Scan# 2339
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



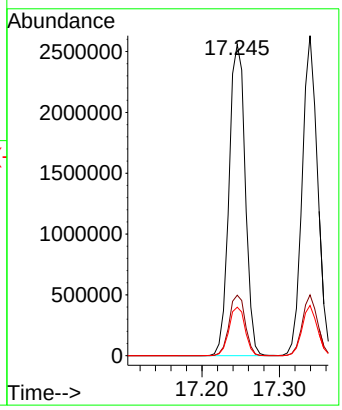


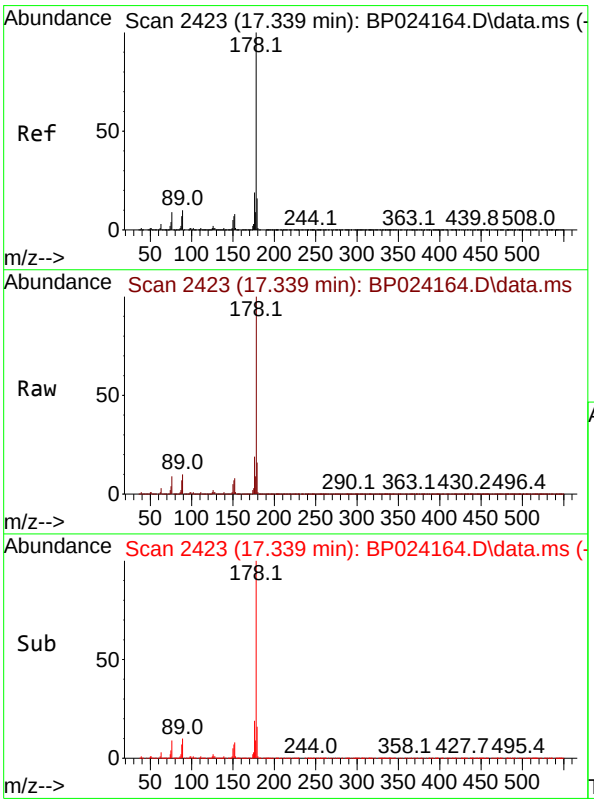

#71
Phenanthrene
Concen: 38.414 ng
RT: 17.245 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

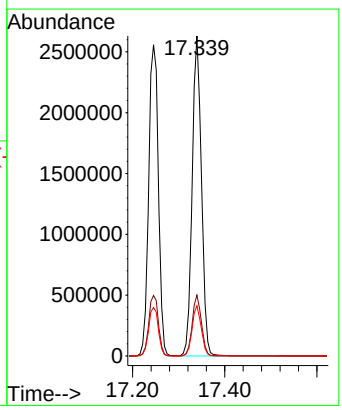


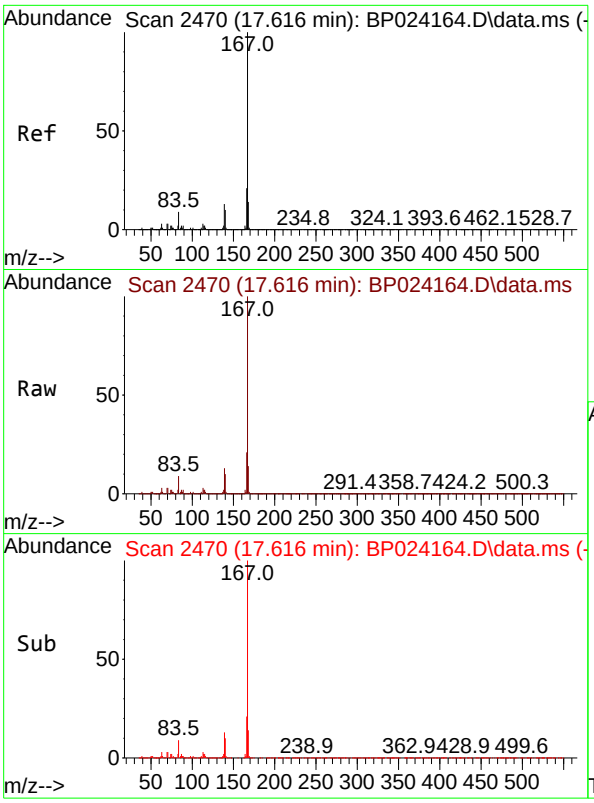




#72
Anthracene
Concen: 39.344 ng
RT: 17.339 min Scan# 2423
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



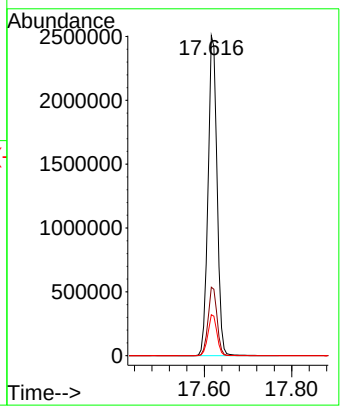


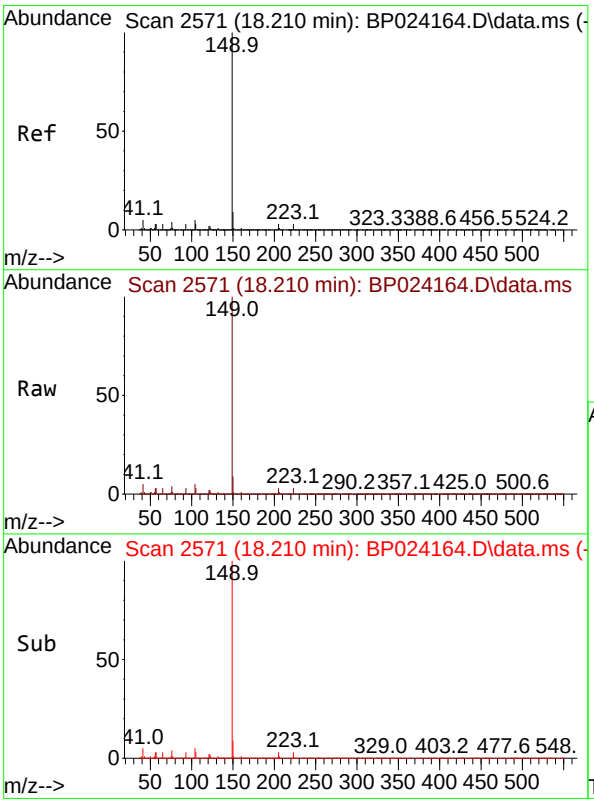

#73
Carbazole
Concen: 40.463 ng
RT: 17.616 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

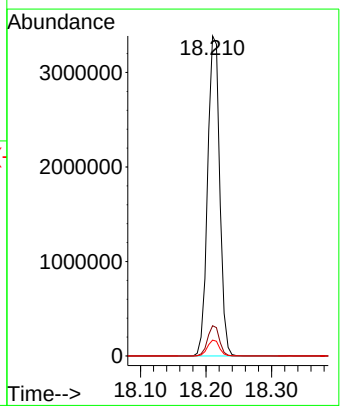


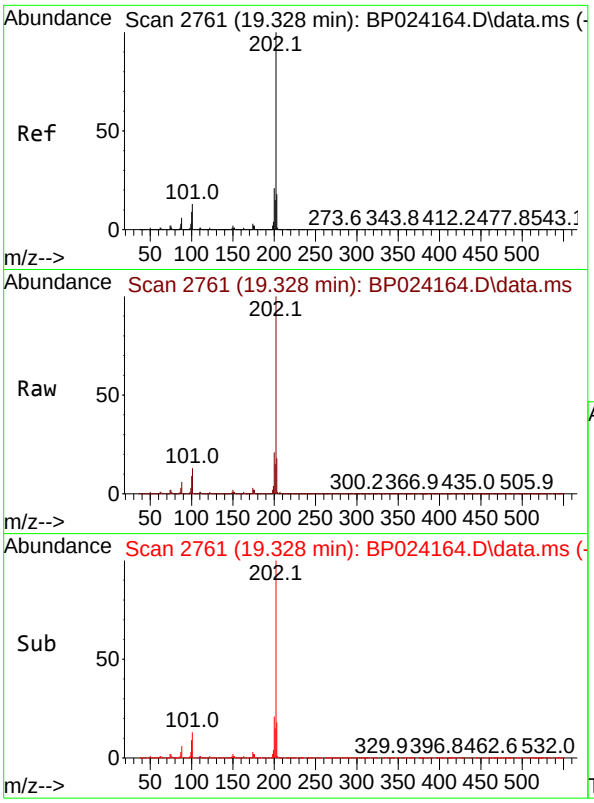




#74
Di-n-butylphthalate
Concen: 41.958 ng
RT: 18.210 min Scan# 2571
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



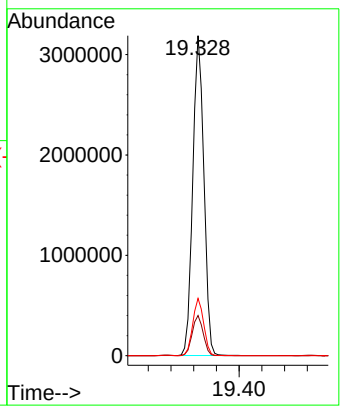


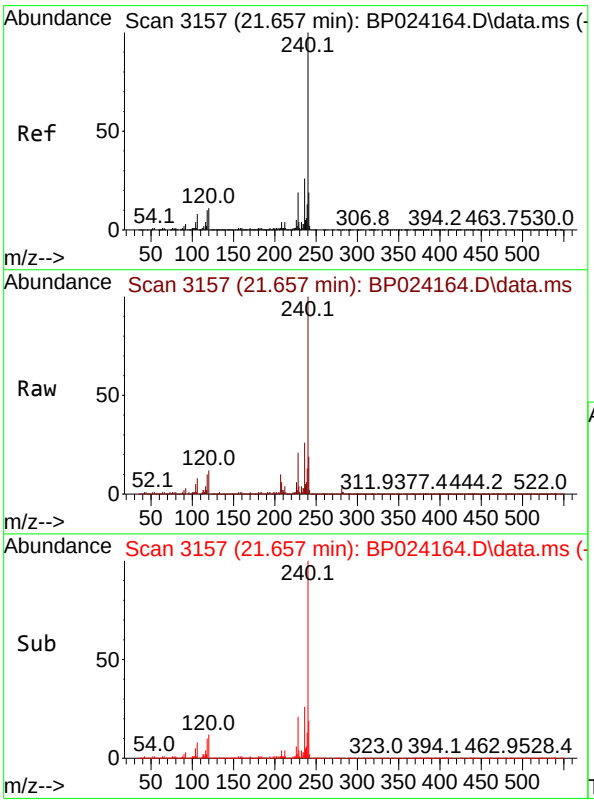

#75
Fluoranthene
Concen: 39.636 ng
RT: 19.328 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

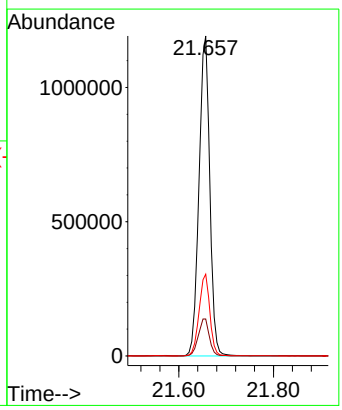


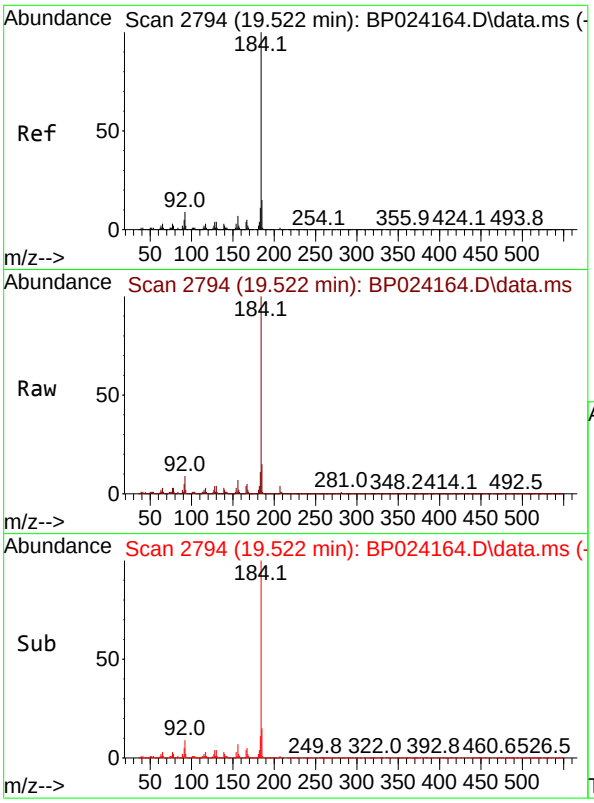




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.657 min Scan# 3157
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



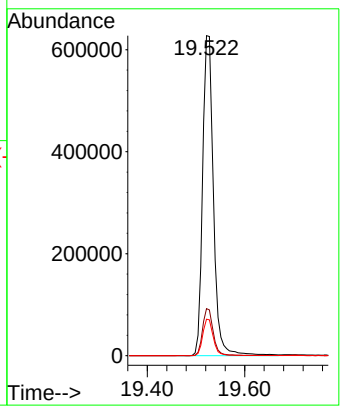


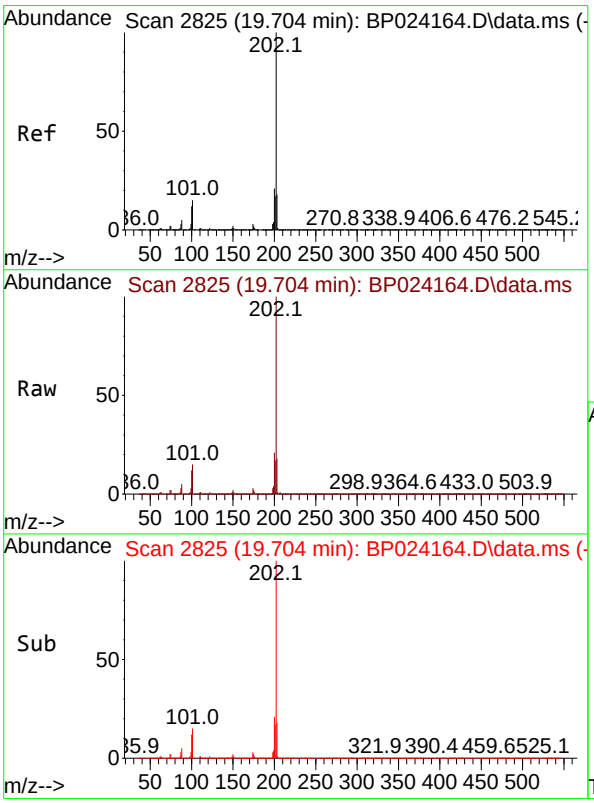

#77
Benzidine
Concen: 42.268 ng
RT: 19.522 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

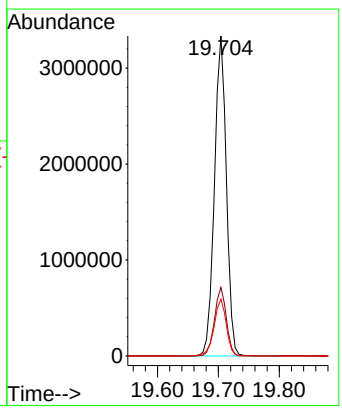


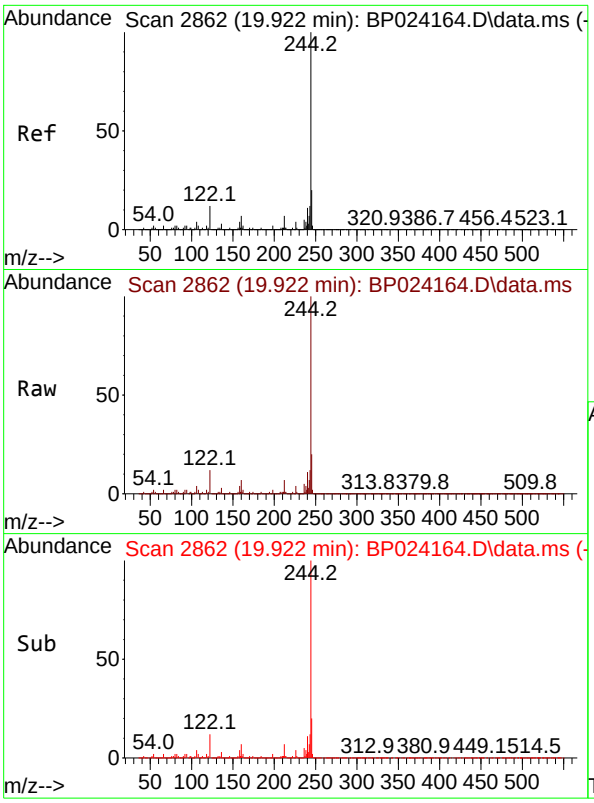




#78
Pyrene
Concen: 37.911 ng
RT: 19.704 min Scan# 2825
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



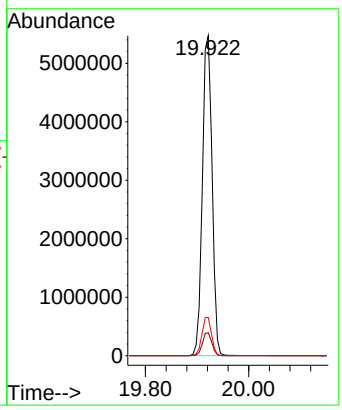


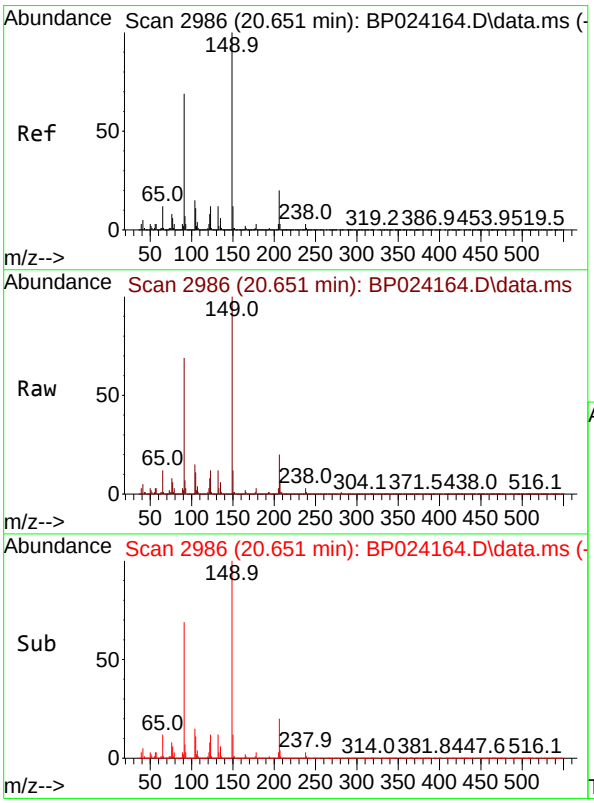

#79
Terphenyl-d14
Concen: 75.038 ng
RT: 19.922 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

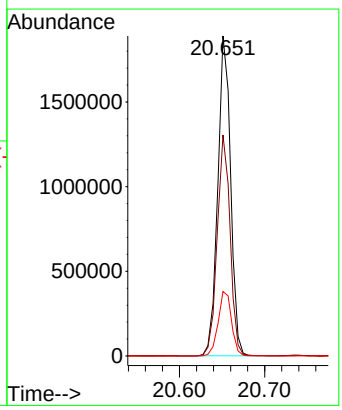


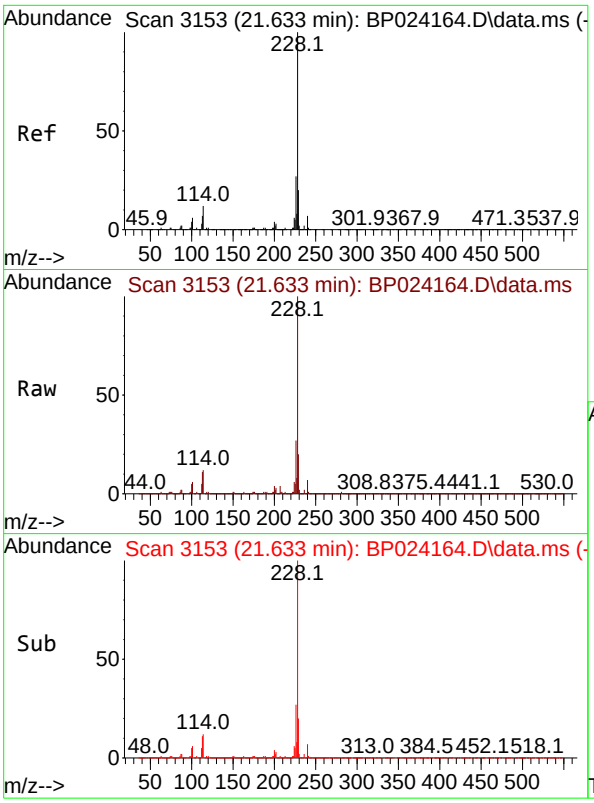




#80
Butylbenzylphthalate
Concen: 43.087 ng
RT: 20.651 min Scan# 2986
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



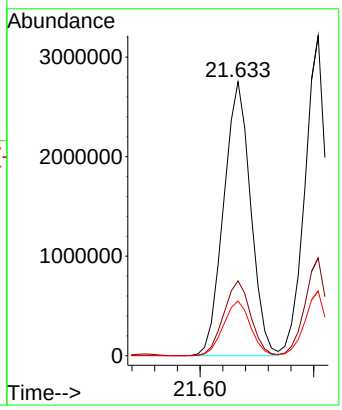


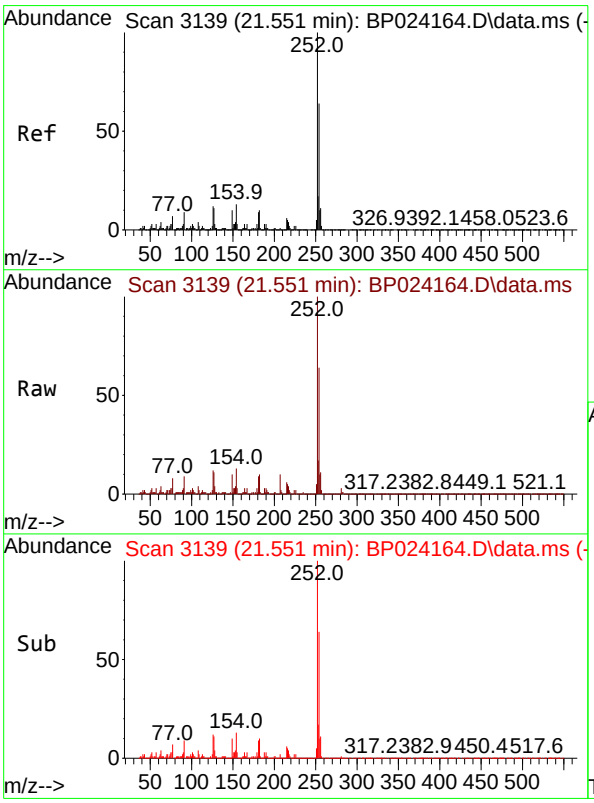

#81
Benzo(a)anthracene
Concen: 38.542 ng
RT: 21.633 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

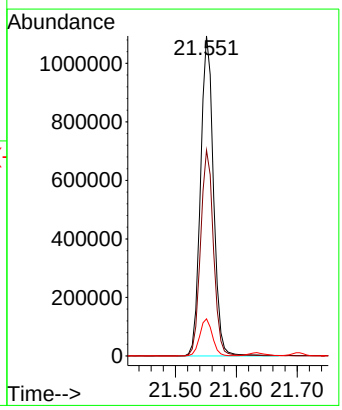


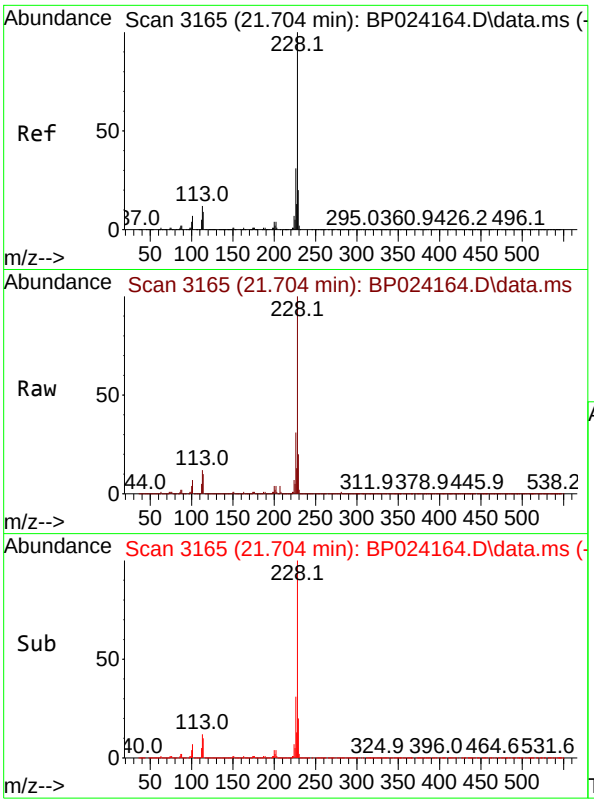




#82
3,3'-Dichlorobenzidine
Concen: 43.694 ng
RT: 21.551 min Scan# 3139
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



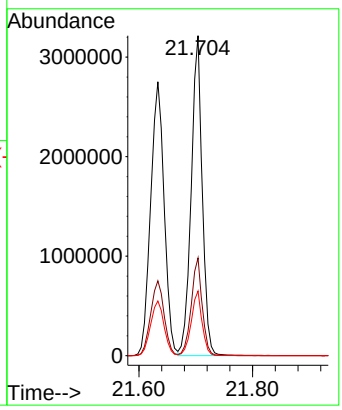


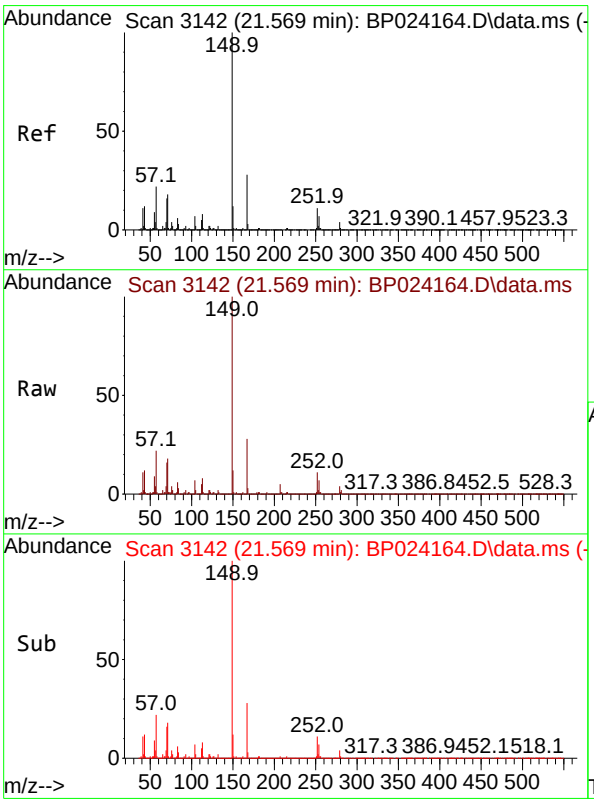

#83
Chrysene
Concen: 38.298 ng
RT: 21.704 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

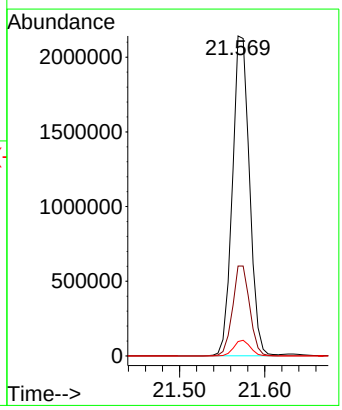


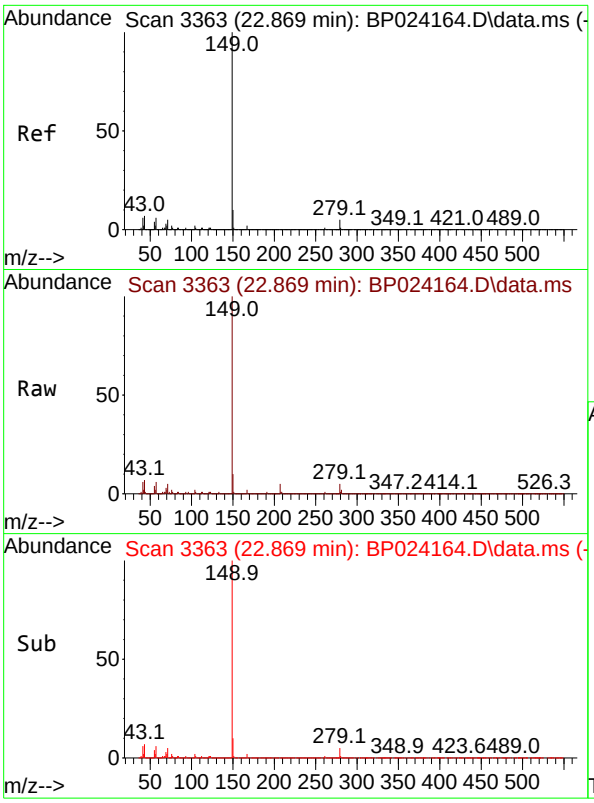




#84
Bis(2-ethylhexyl)phthalate
Concen: 42.929 ng
RT: 21.569 min Scan# 3142
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



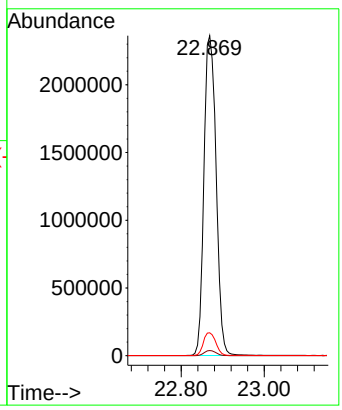


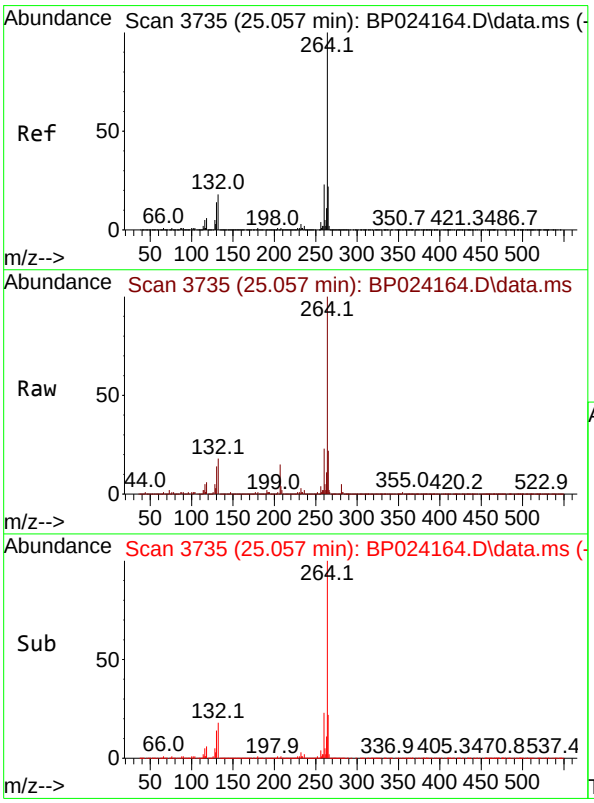

#85
Di-n-octyl phthalate
Concen: 43.129 ng
RT: 22.869 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

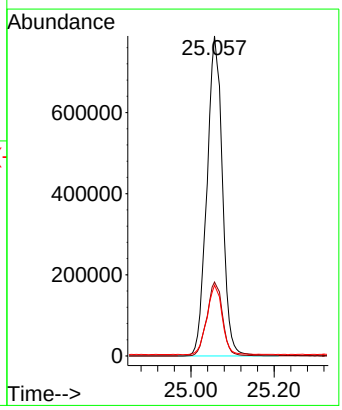


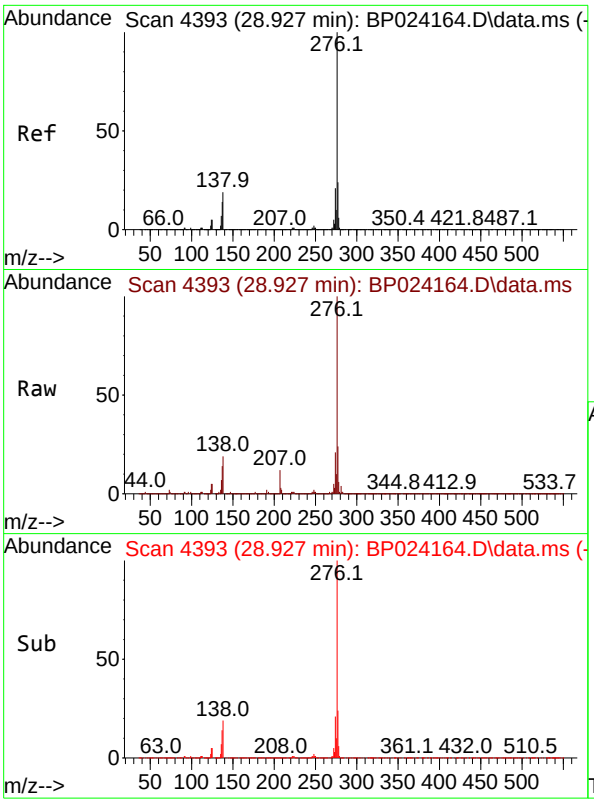




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.057 min Scan# 3735
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



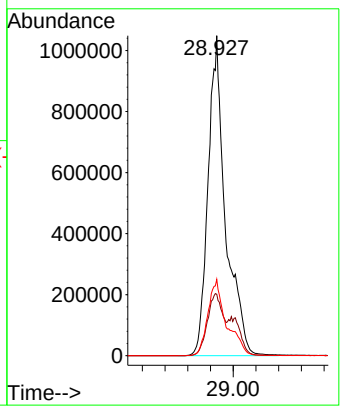


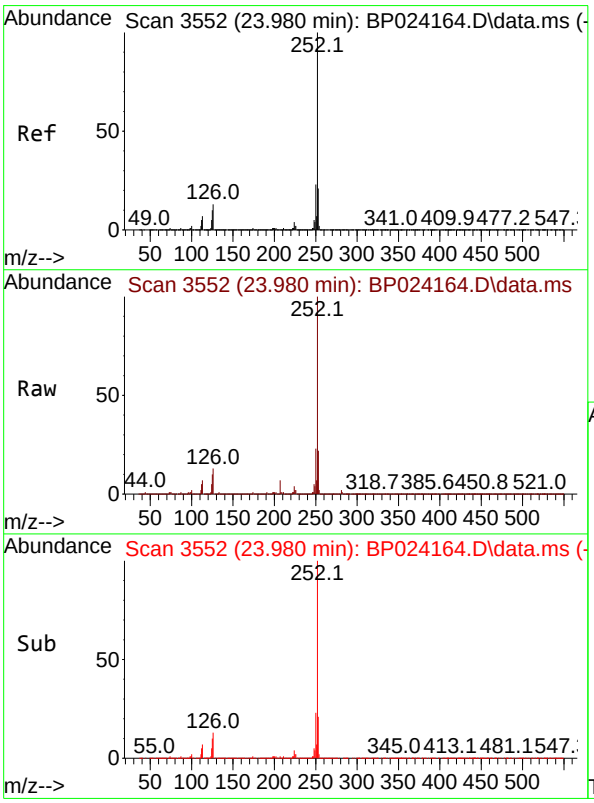

#87
Indeno(1,2,3-cd)pyrene
Concen: 38.410 ng
RT: 28.927 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

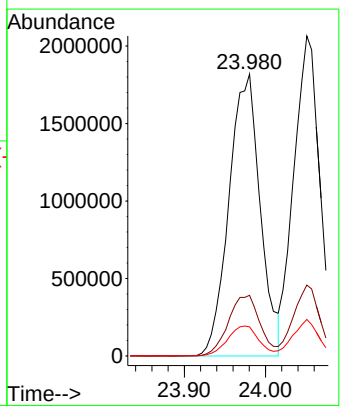


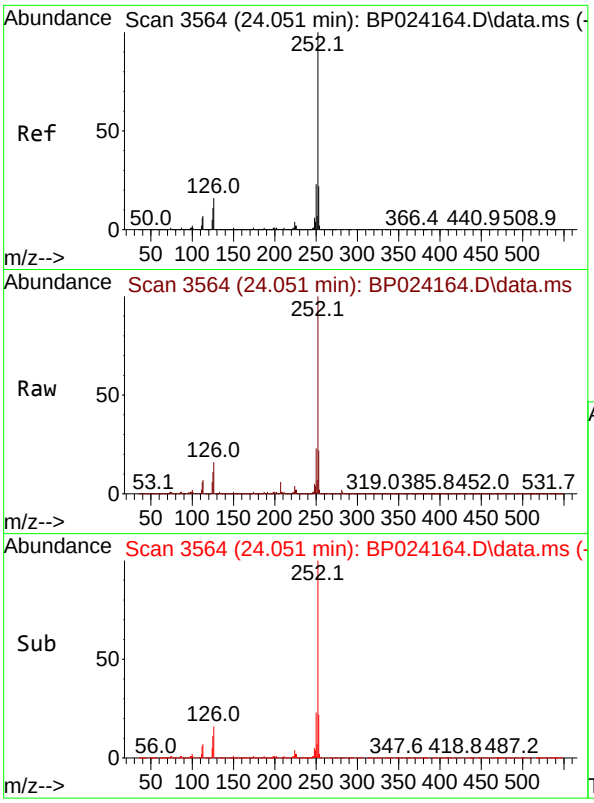




#88
Benzo(b)fluoranthene
Concen: 37.490 ng
RT: 23.980 min Scan# 3552
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



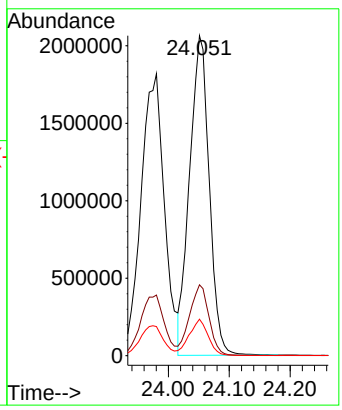


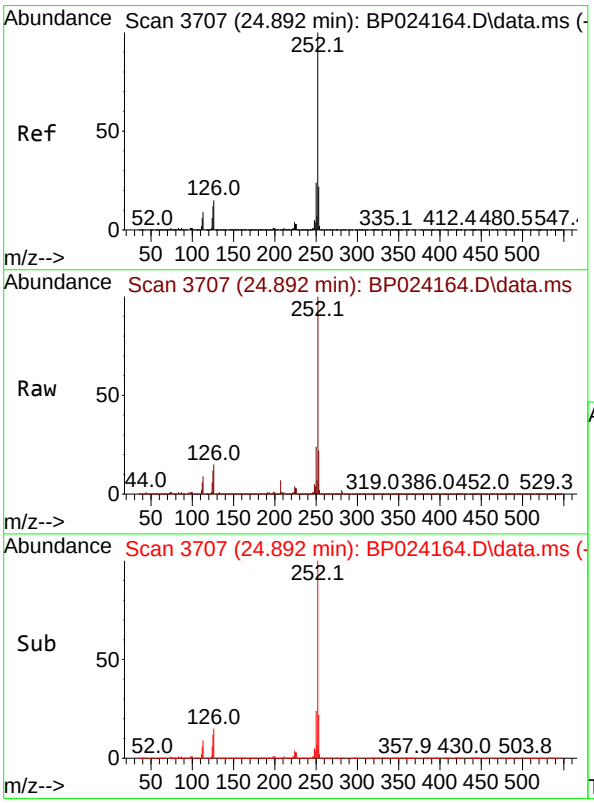

#89
Benzo(k)fluoranthene
Concen: 36.566 ng
RT: 24.051 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

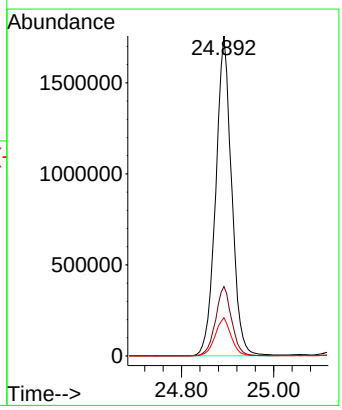


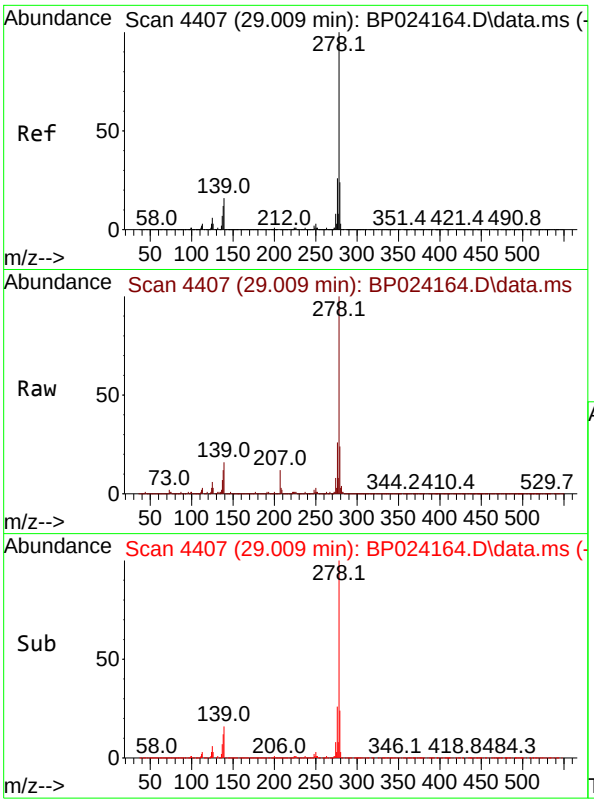




#90
Benzo(a)pyrene
Concen: 38.180 ng
RT: 24.892 min Scan# 3707
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



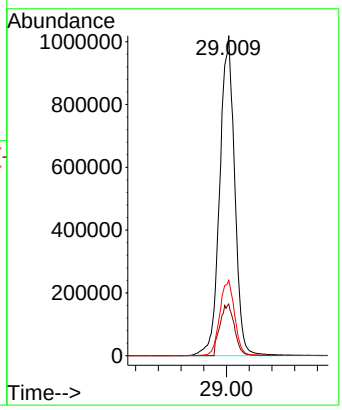


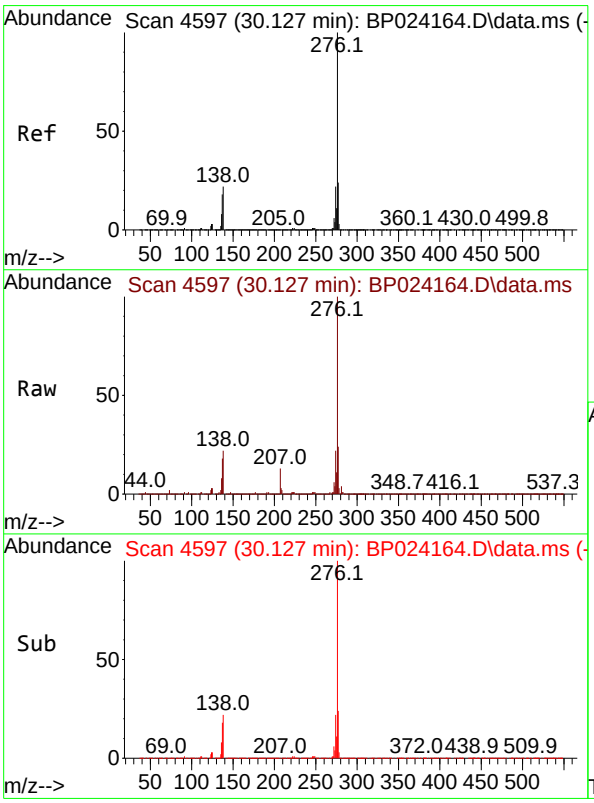

#91
Dibenzo(a,h)anthracene
Concen: 38.014 ng
RT: 29.009 min Scan# 44
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

**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 |

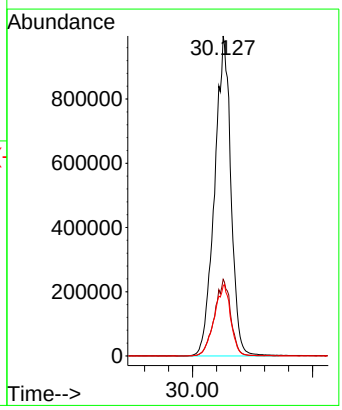



#92
Benzo(g,h,i)perylene
Concen: 38.011 ng
RT: 30.127 min Scan# 4597
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

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 |



Quantitation Report (QT Reviewed)

ICAL Form

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 |

ICAL Form

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 |

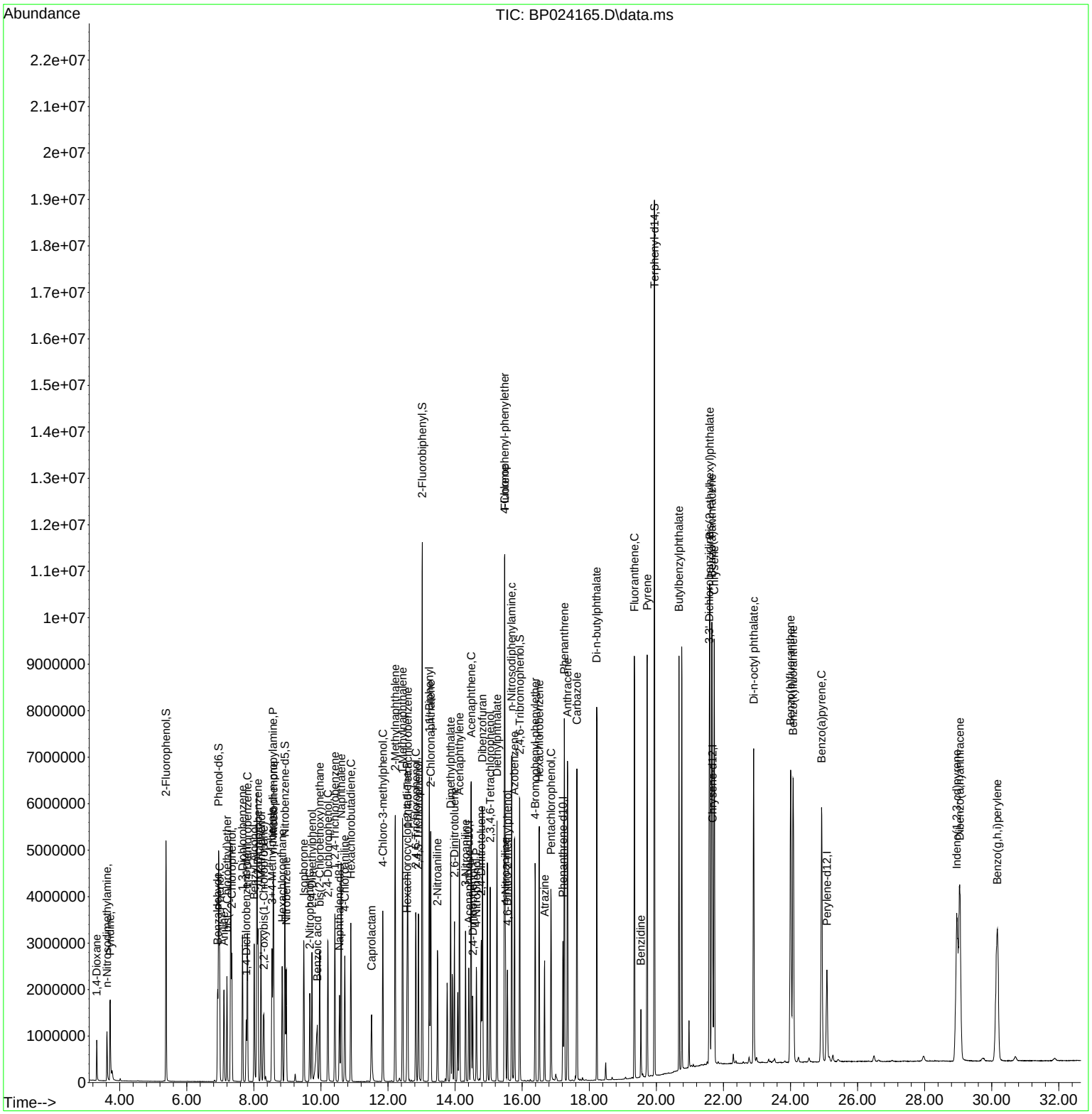
(#) = qualifier out of range (m) = manual integration (+) = signals summed

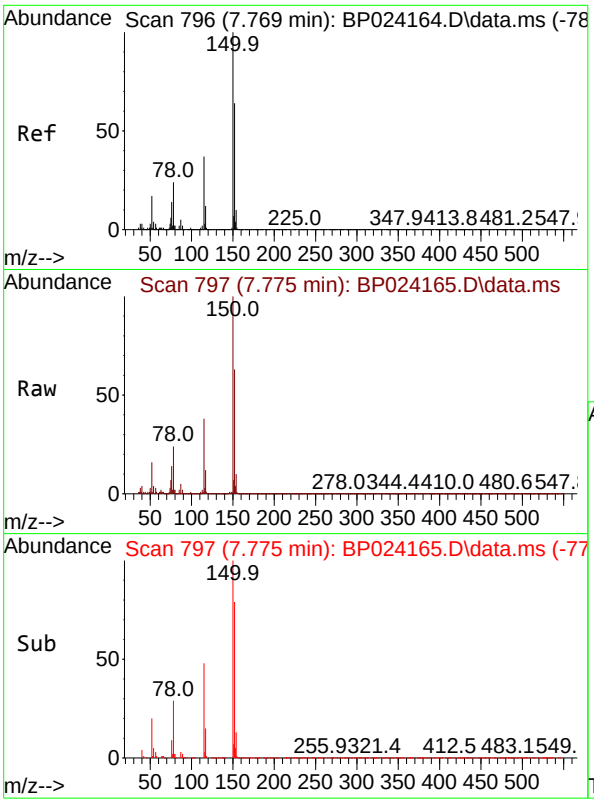
ICAL Form

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



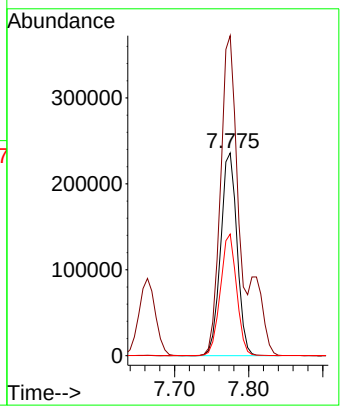


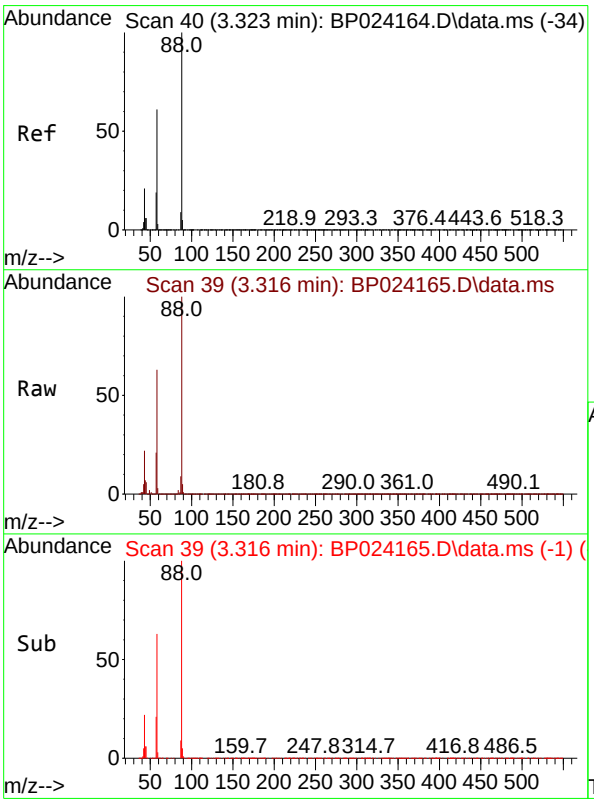

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

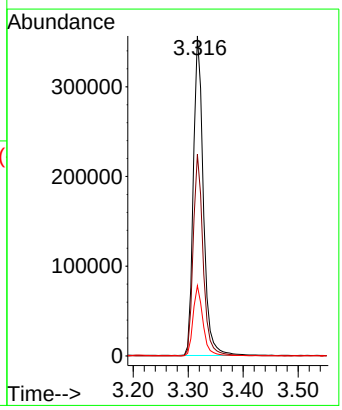


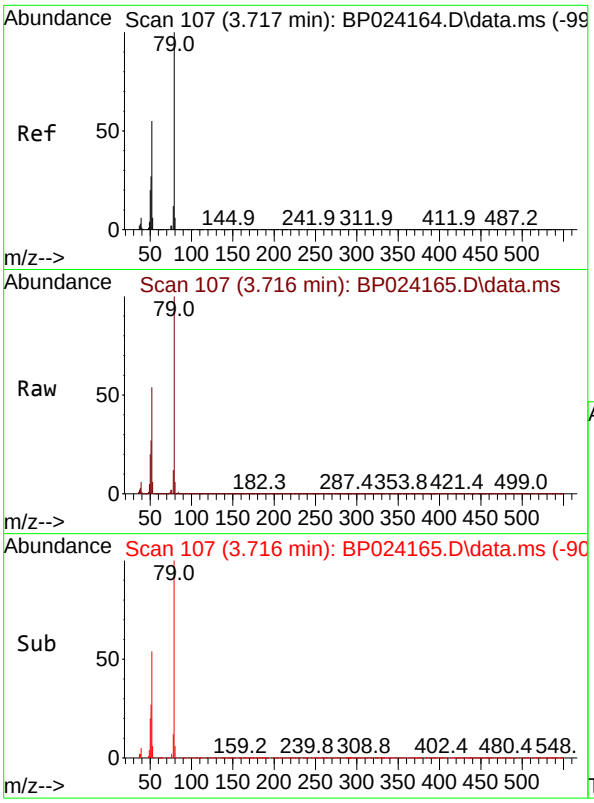




#2
1,4-Dioxane
Concen: 49.365 ng
RT: 3.316 min Scan# 39
Delta R.T. -0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



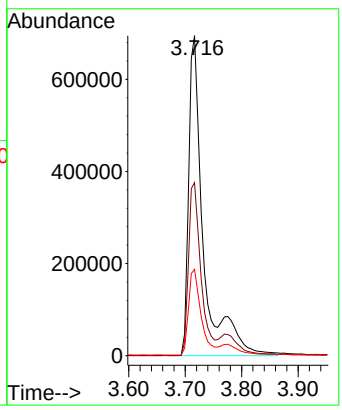


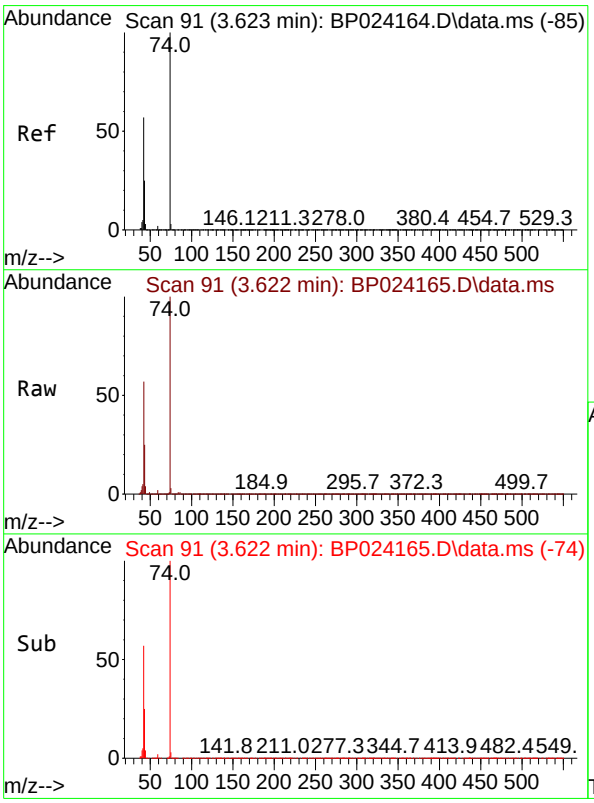

#3
Pyridine
Concen: 53.398 ng m
RT: 3.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

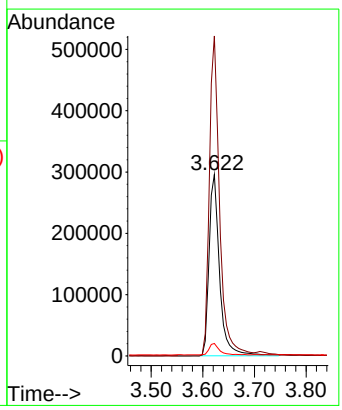


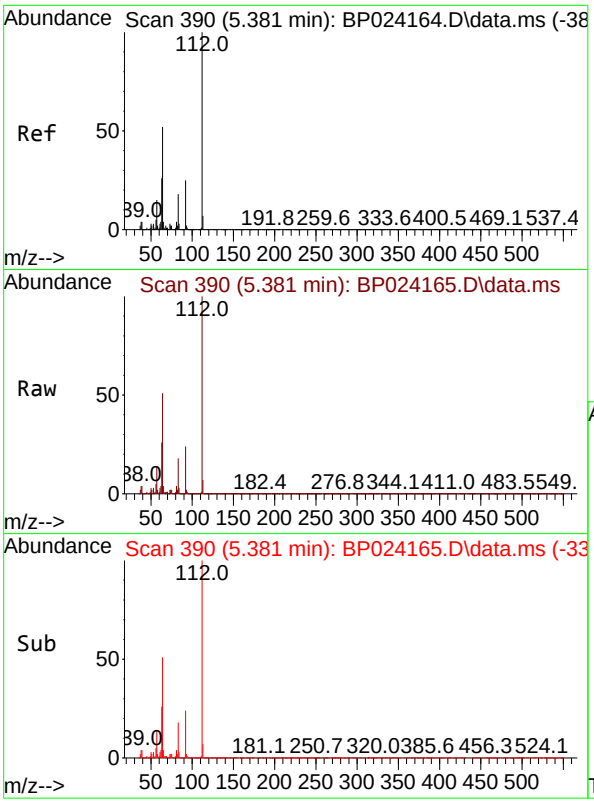




#4
n-Nitrosodimethylamine
Concen: 49.741 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



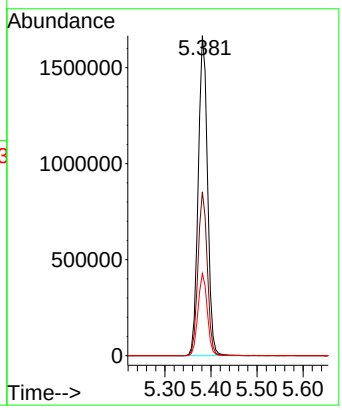


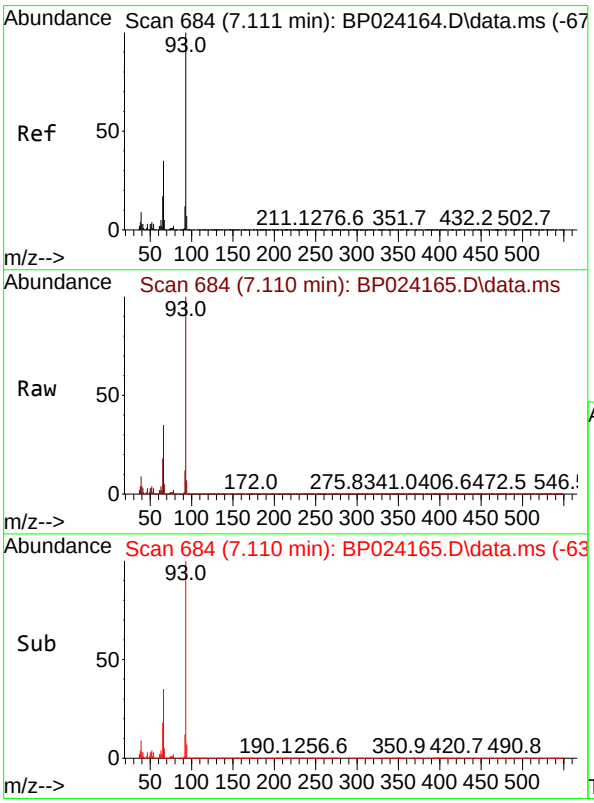

#5
2-Fluorophenol
Concen: 100.747 ng
RT: 5.381 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

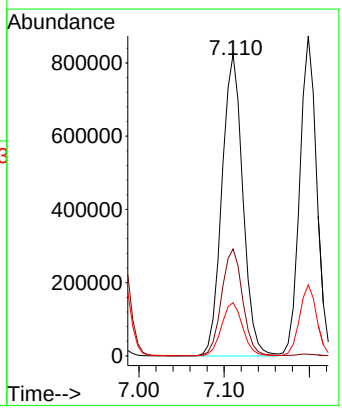


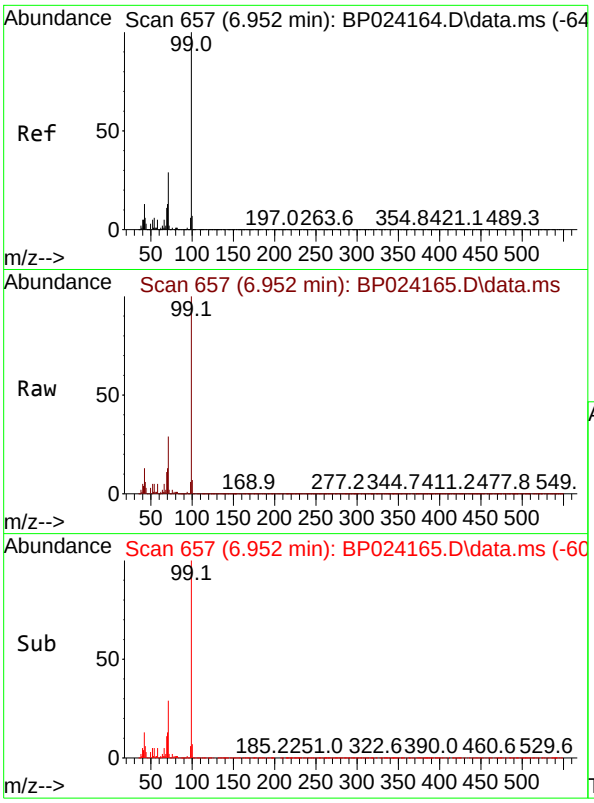




#6
Aniline
Concen: 51.307 ng
RT: 7.110 min Scan# 684
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



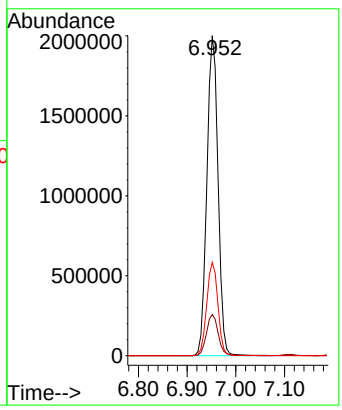


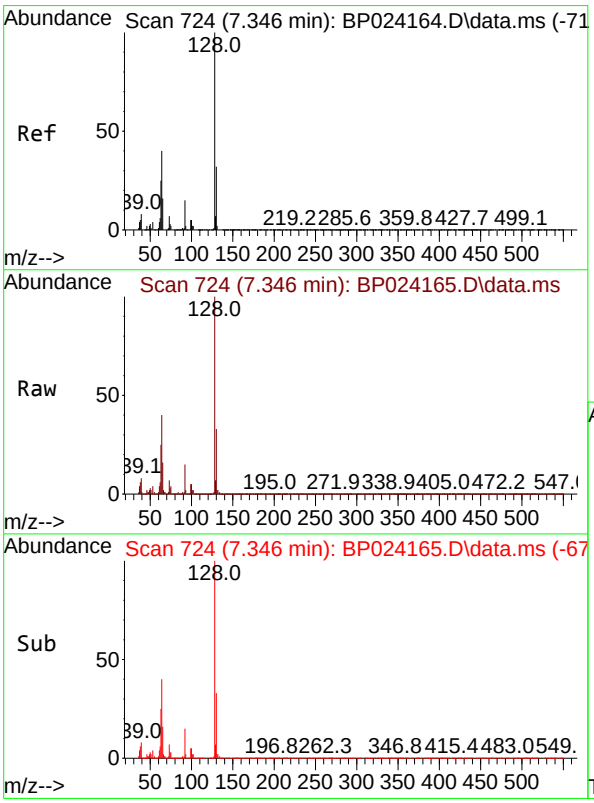

#7
Phenol-d6
Concen: 106.191 ng
RT: 6.952 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

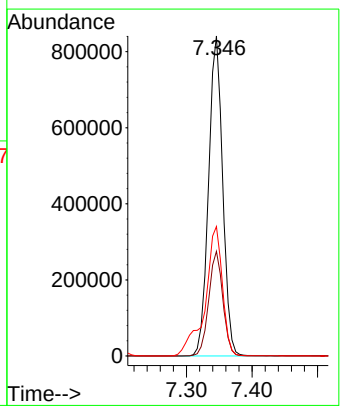


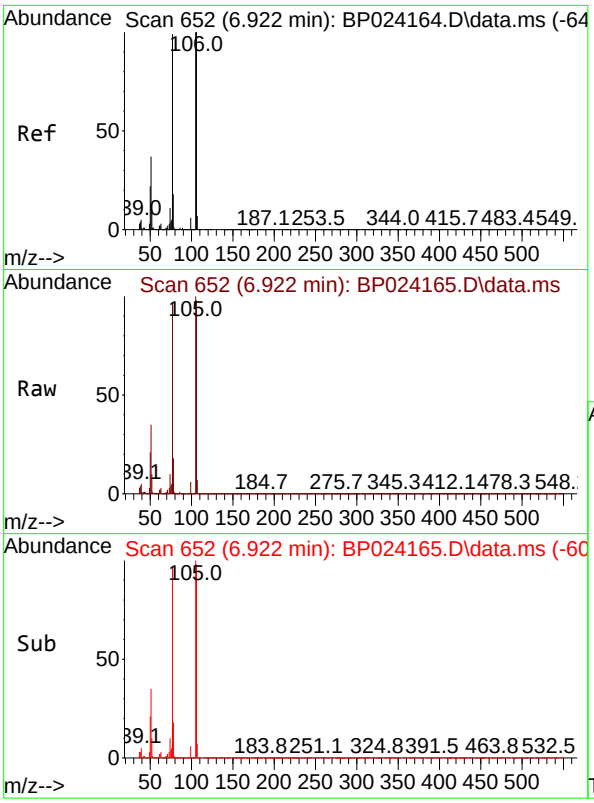




#8
2-Chlorophenol
Concen: 51.262 ng
RT: 7.346 min Scan# 724
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



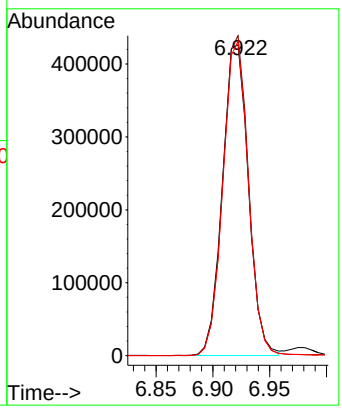


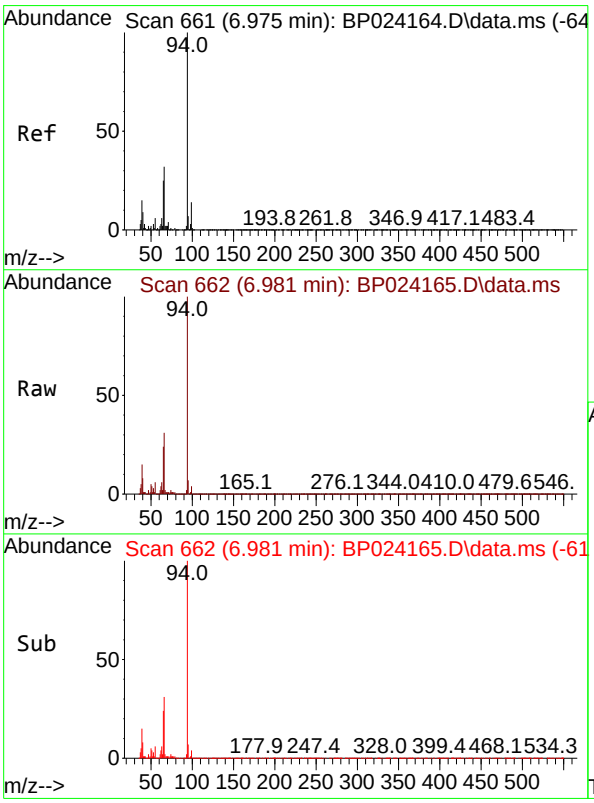

#9
Benzaldehyde
Concen: 49.899 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

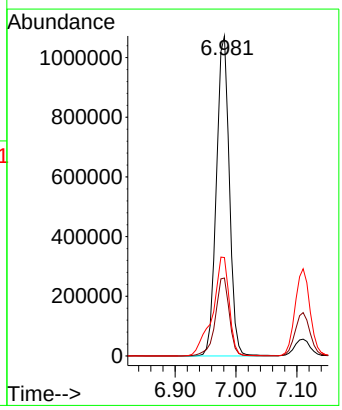


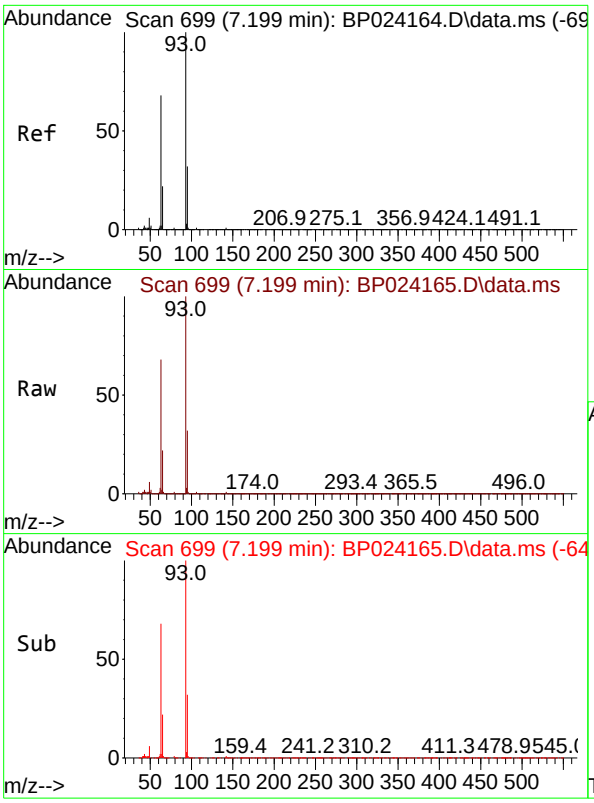




#10
Phenol
Concen: 52.648 ng
RT: 6.981 min Scan# 662
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



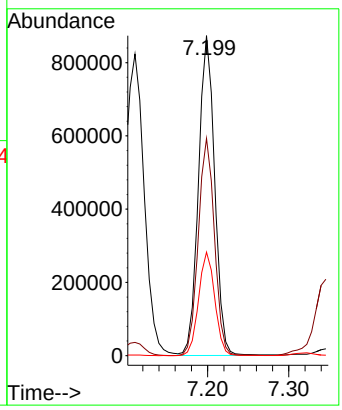


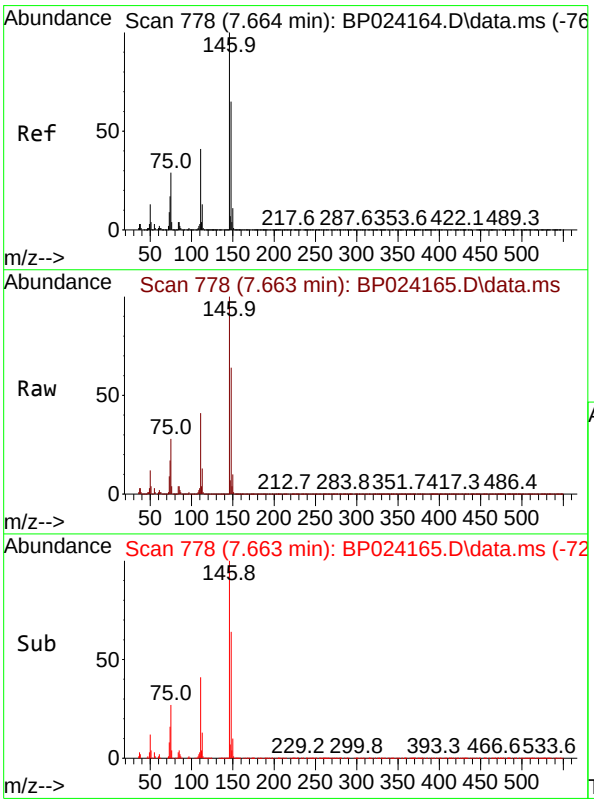

#11
bis(2-Chloroethyl)ether
Concen: 51.383 ng
RT: 7.199 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

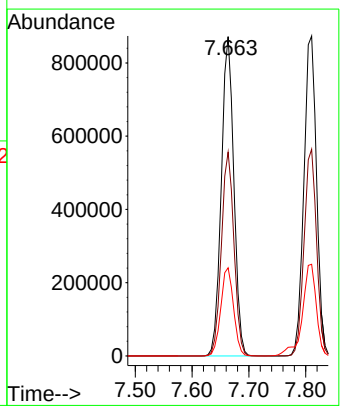


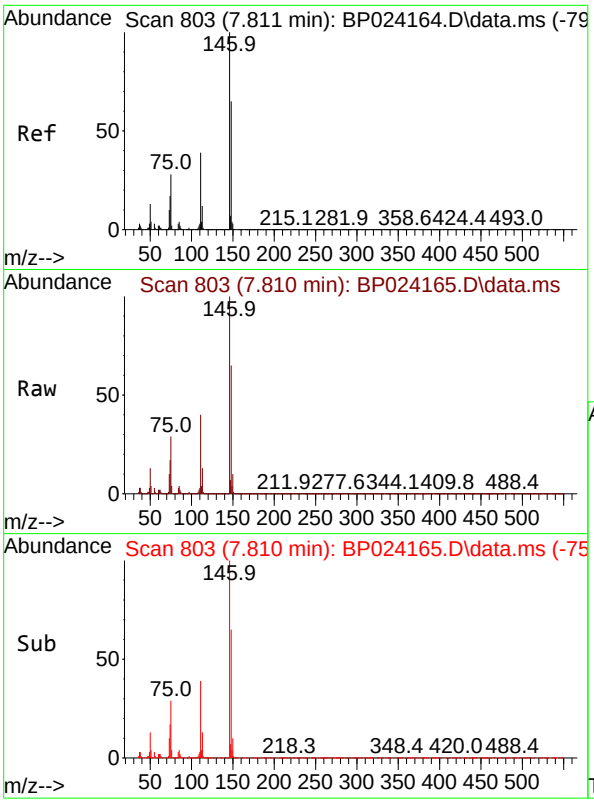




#12
1,3-Dichlorobenzene
Concen: 49.552 ng
RT: 7.663 min Scan# 778
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



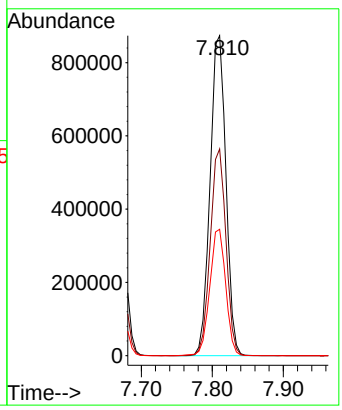


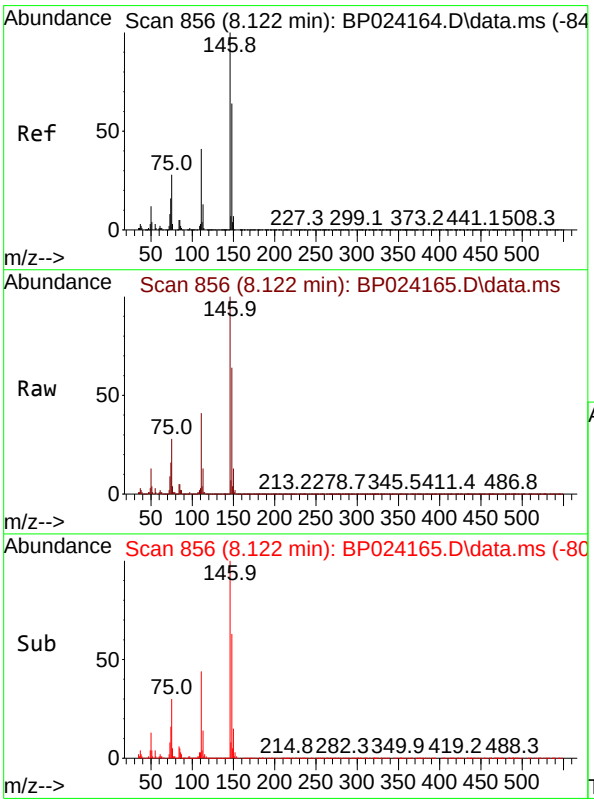

#13
1,4-Dichlorobenzene
Concen: 49.520 ng
RT: 7.810 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

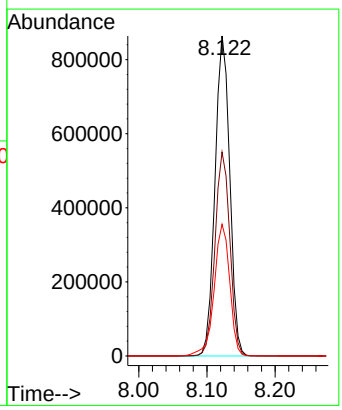


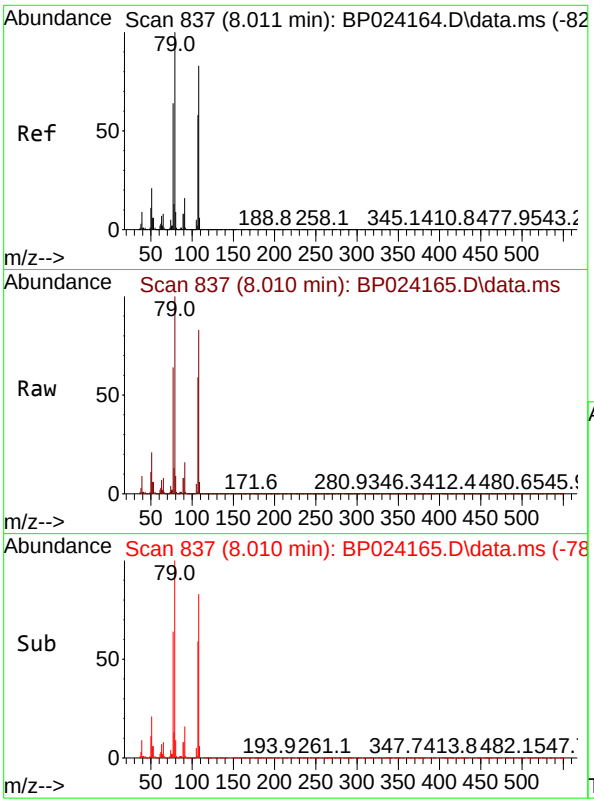




#14
1,2-Dichlorobenzene
Concen: 49.586 ng
RT: 8.122 min Scan# 856
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



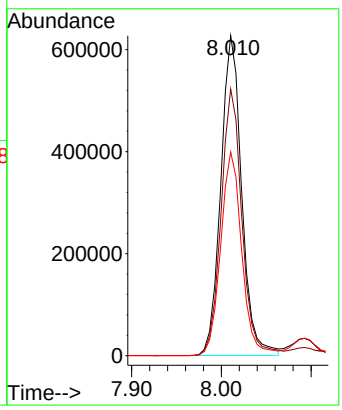


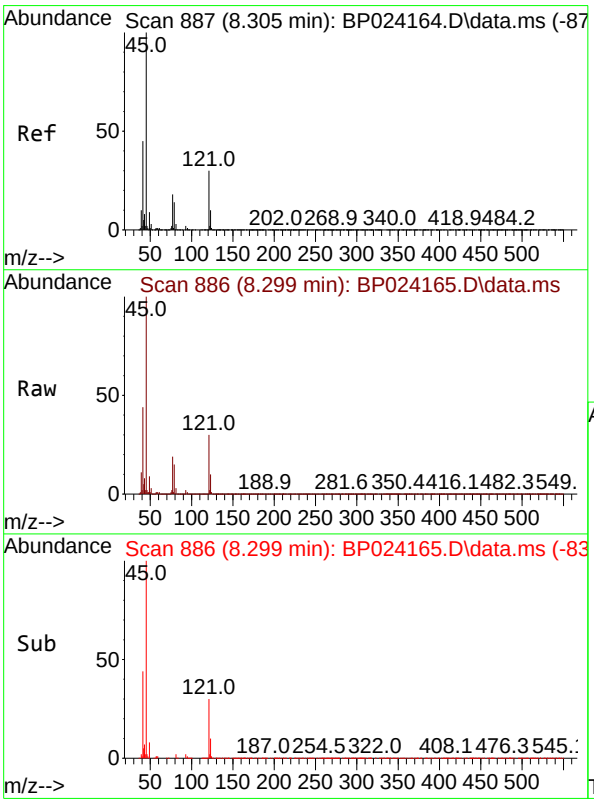

#15
Benzyl Alcohol
Concen: 55.621 ng
RT: 8.010 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

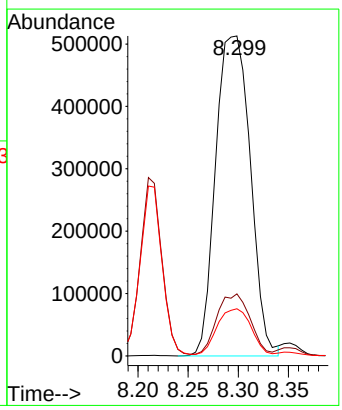


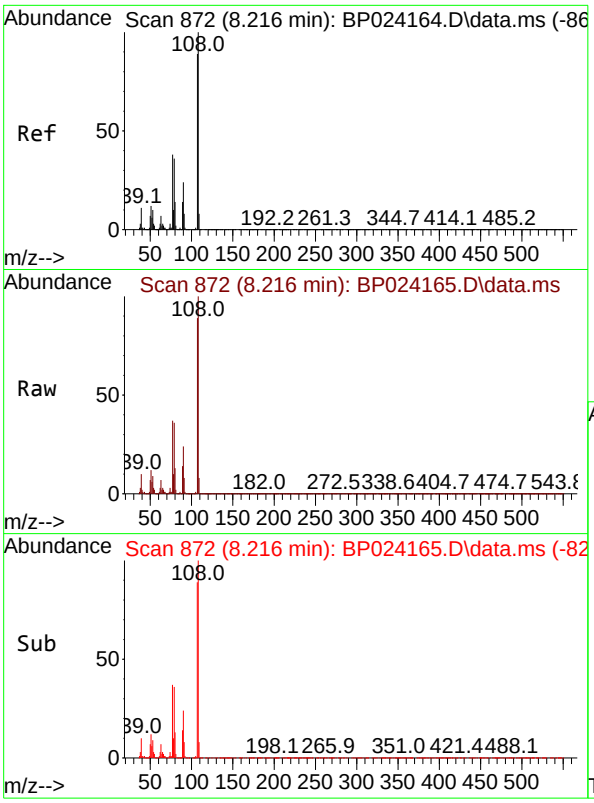




#16
2,2'-oxybis(1-Chloropropane)
Concen: 53.871 ng
RT: 8.299 min Scan# 886
Delta R.T. -0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



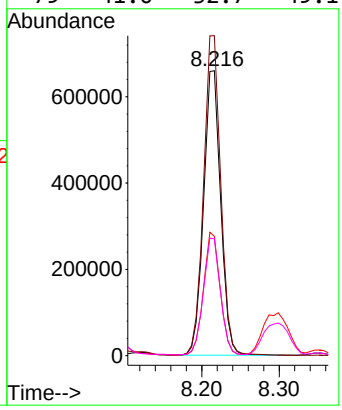


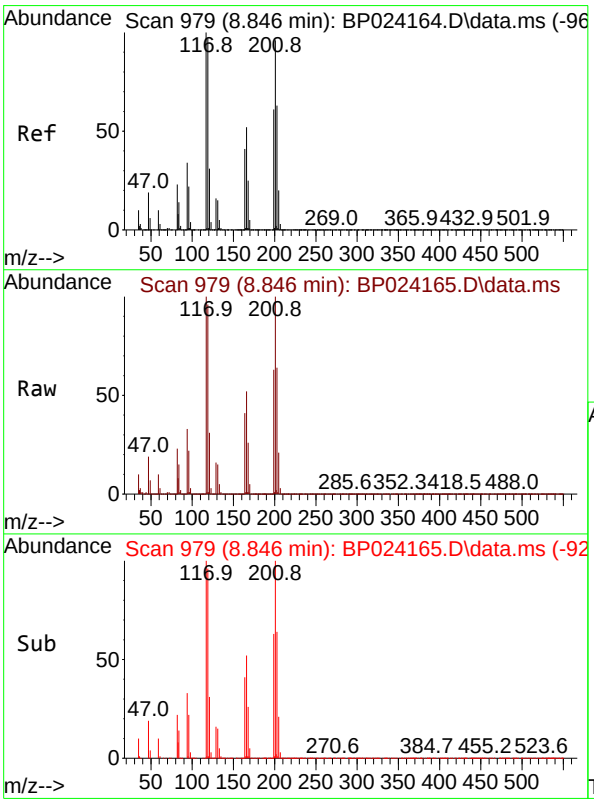

#17
2-Methylphenol
Concen: 55.257 ng
RT: 8.216 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

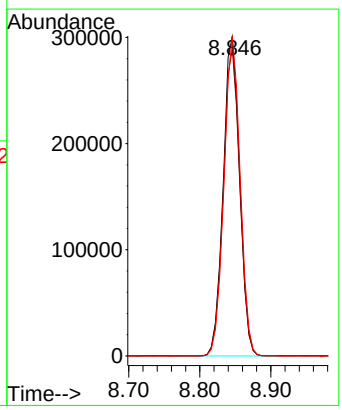


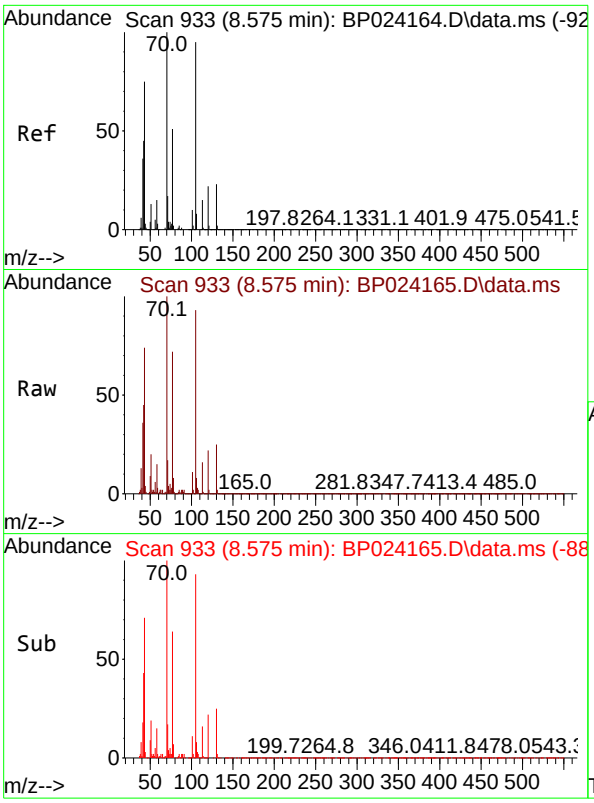




#18
Hexachloroethane
Concen: 49.052 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



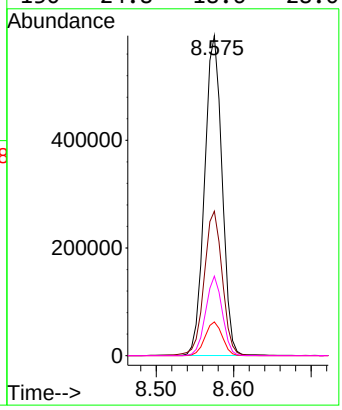


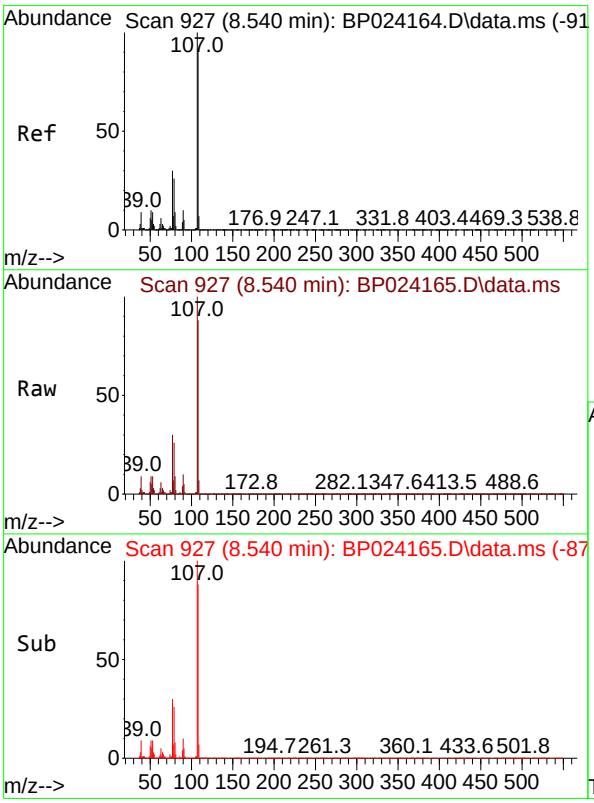

#19
n-Nitroso-di-n-propylamine
Concen: 57.939 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

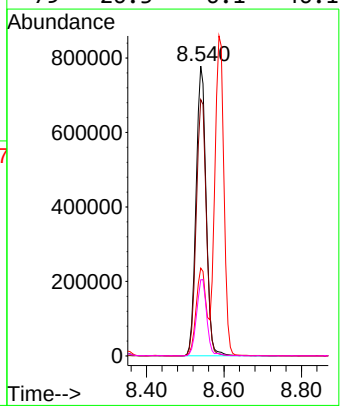


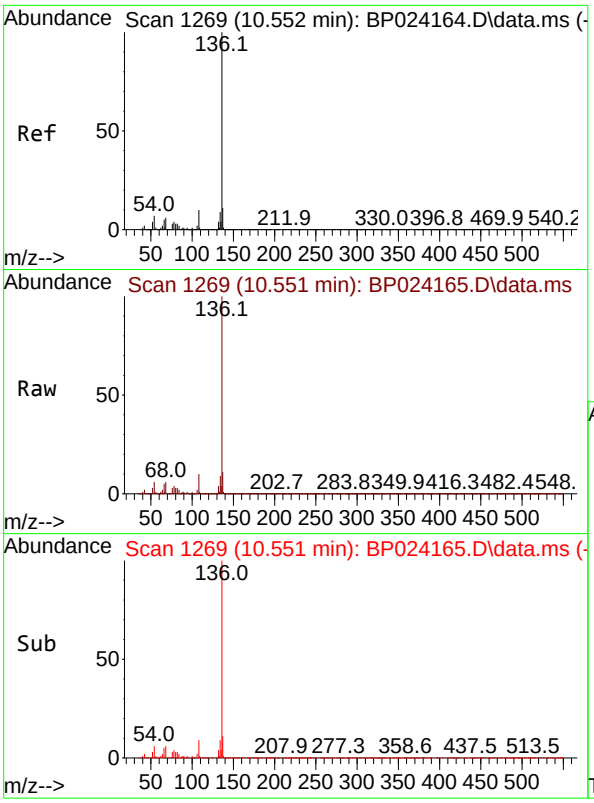




#20
3+4-Methylphenols
Concen: 56.333 ng
RT: 8.540 min Scan# 927
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



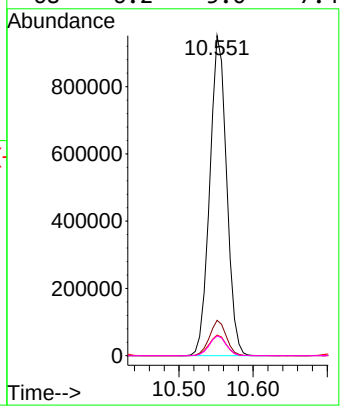


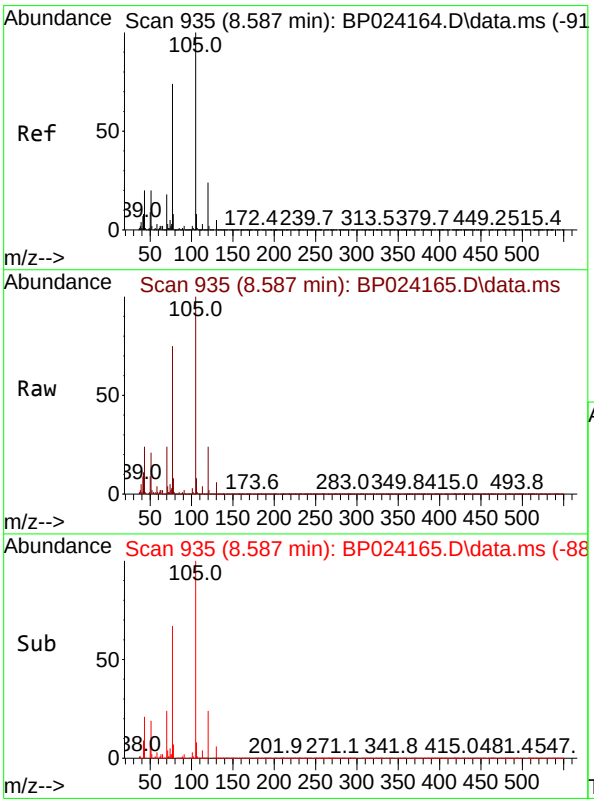

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.551 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

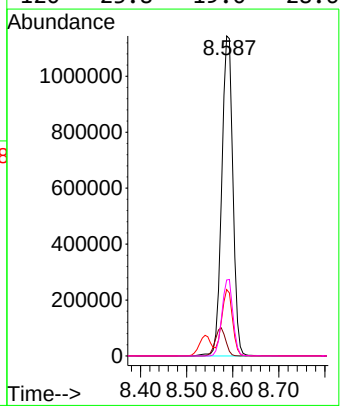


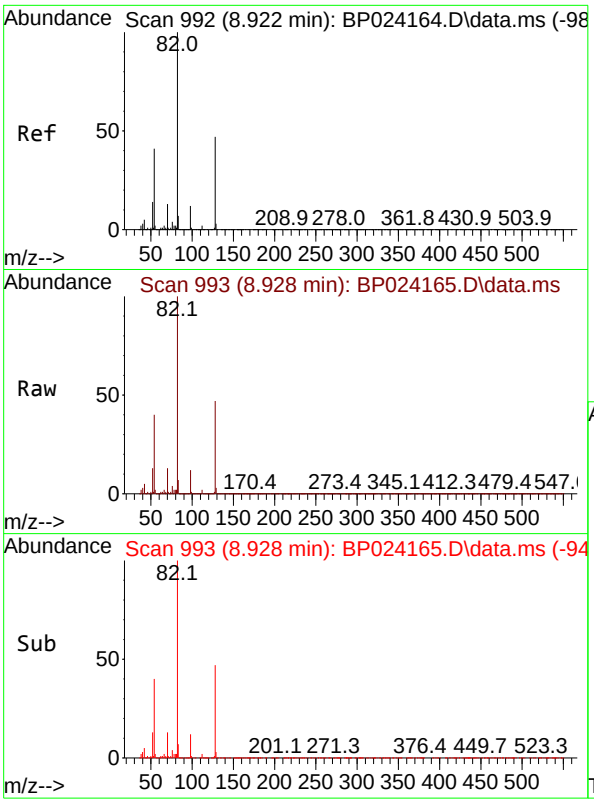




#22
Acetophenone
Concen: 49.450 ng
RT: 8.587 min Scan# 935
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



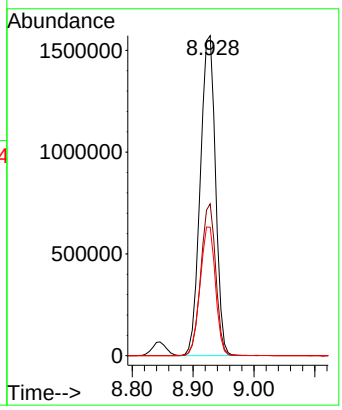


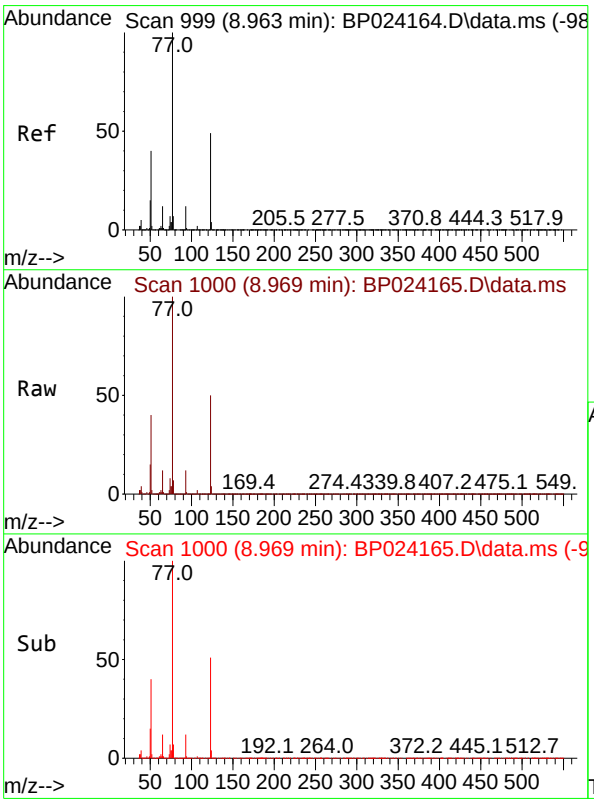

#23
Nitrobenzene-d5
Concen: 100.962 ng
RT: 8.928 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

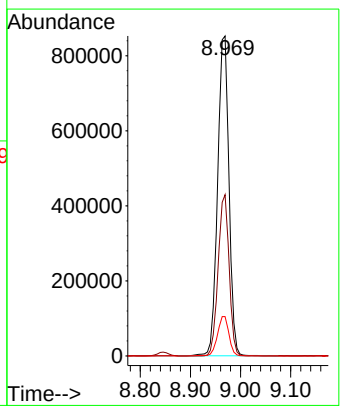


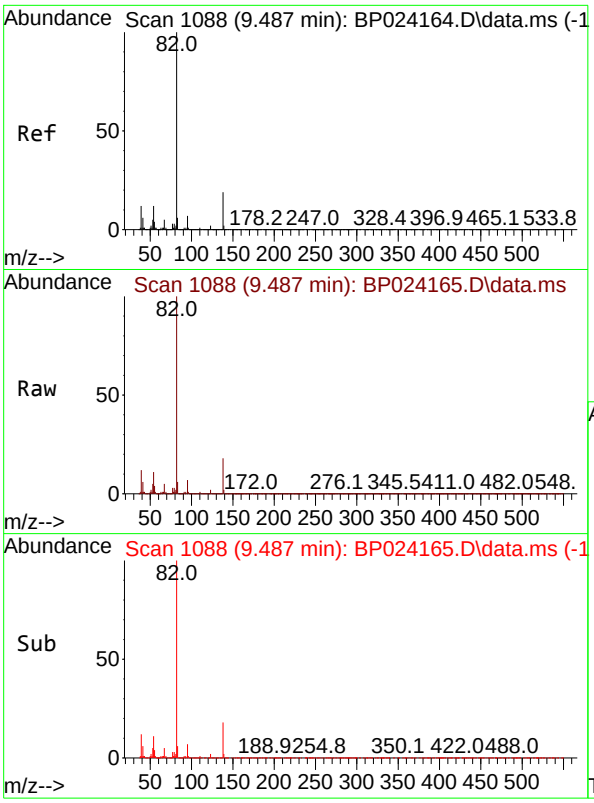




#24
Nitrobenzene
Concen: 50.299 ng
RT: 8.969 min Scan# 1000
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



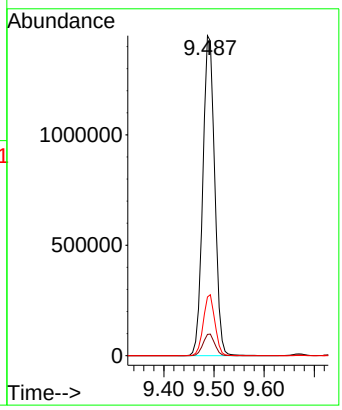


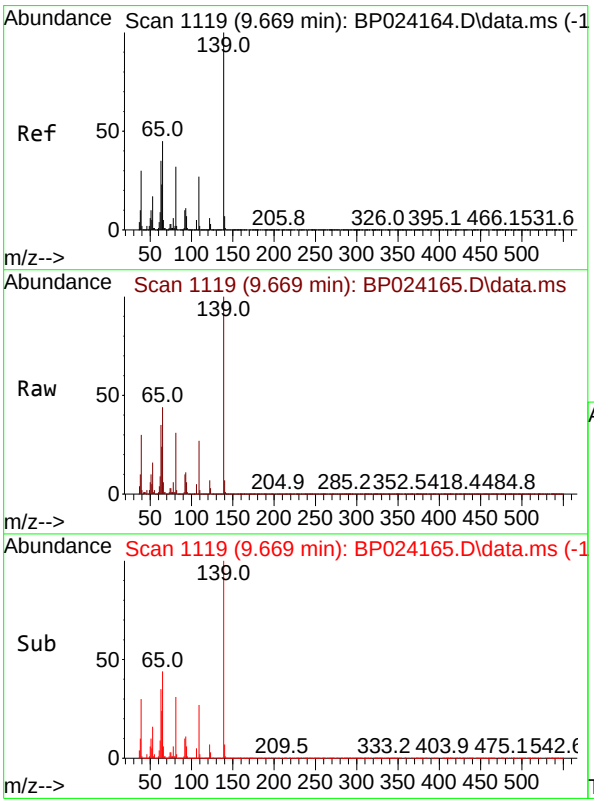

#25
Isophorone
Concen: 54.168 ng
RT: 9.487 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

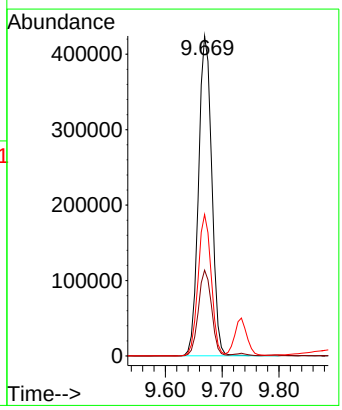


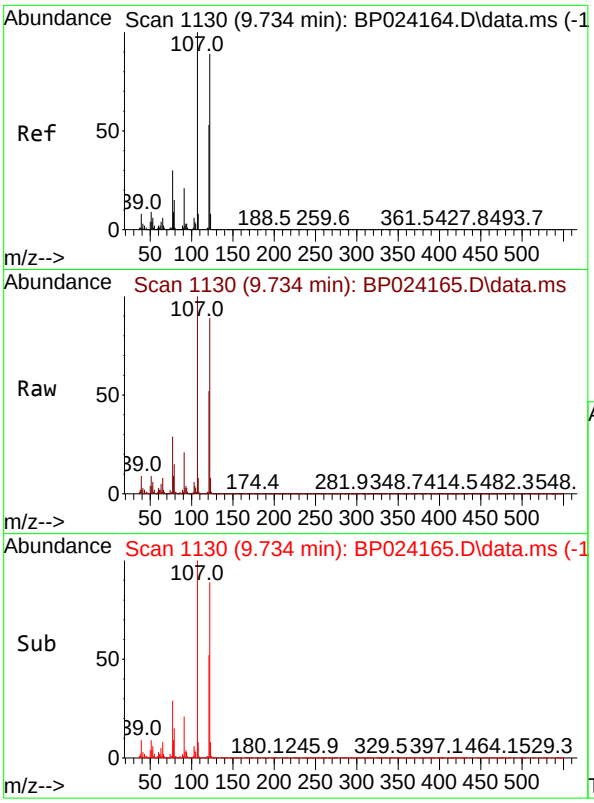




#26
2-Nitrophenol
Concen: 56.096 ng
RT: 9.669 min Scan# 1119
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



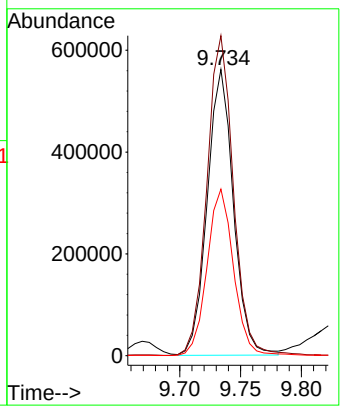


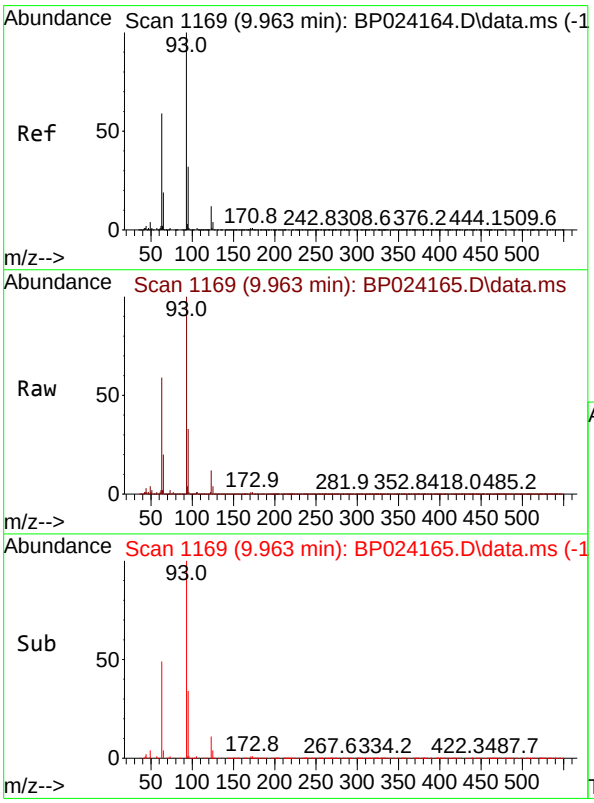

#27
2,4-Dimethylphenol
Concen: 52.362 ng
RT: 9.734 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

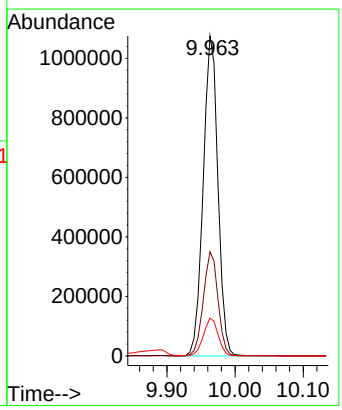


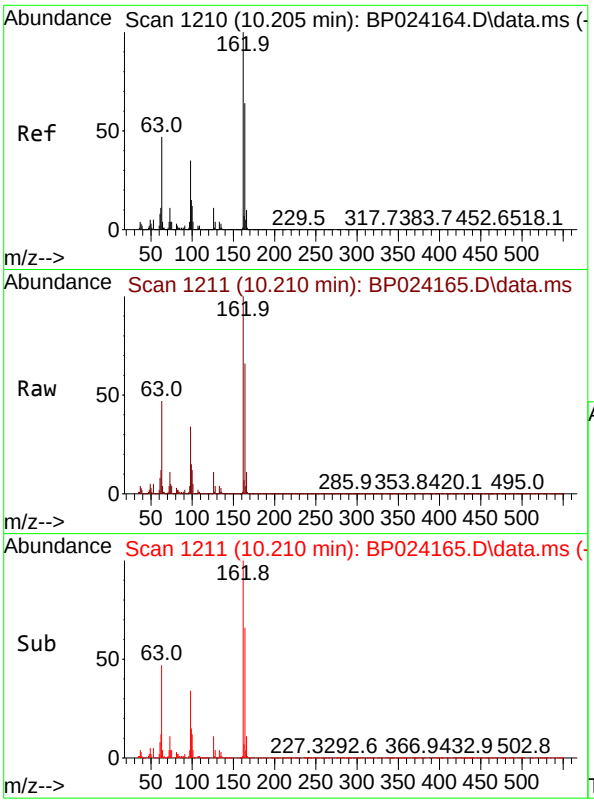




#28
bis(2-Chloroethoxy)methane
Concen: 50.476 ng
RT: 9.963 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



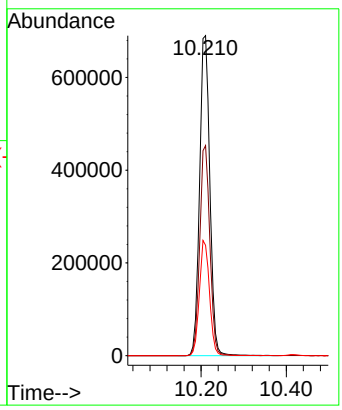


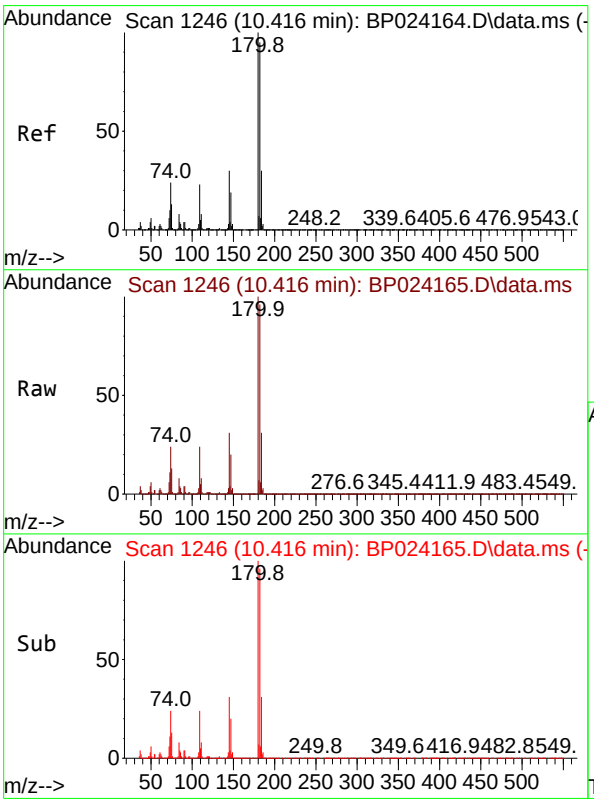

#29
2,4-Dichlorophenol
Concen: 52.591 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

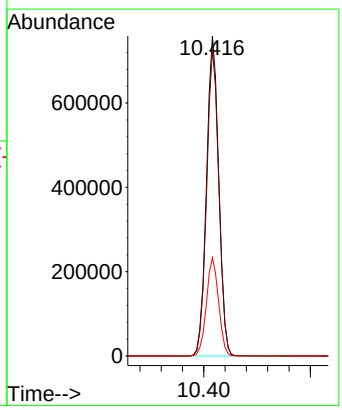


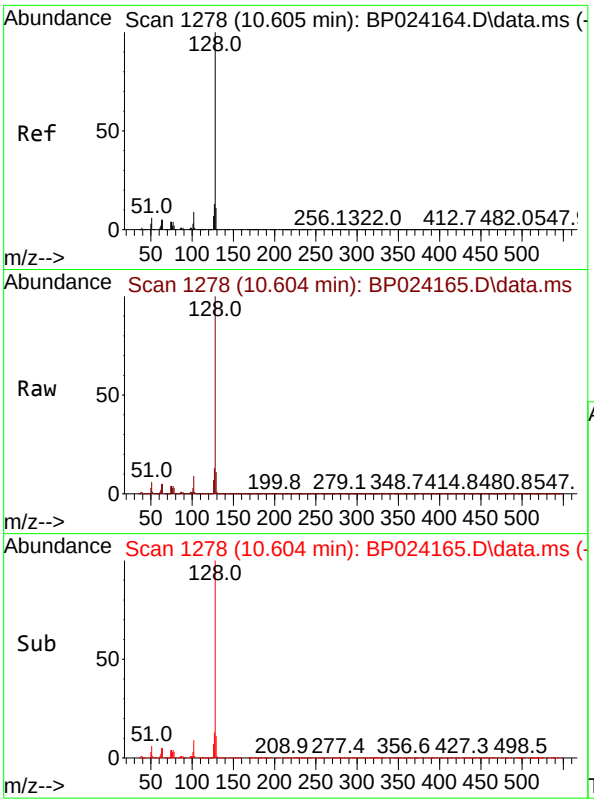




#30
1,2,4-Trichlorobenzene
Concen: 48.306 ng
RT: 10.416 min Scan# 1246
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



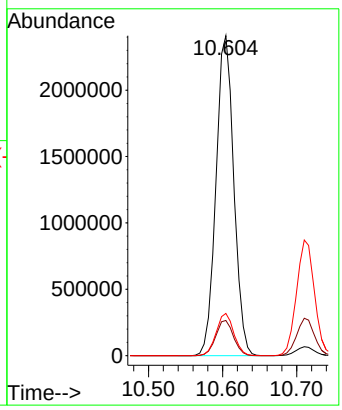


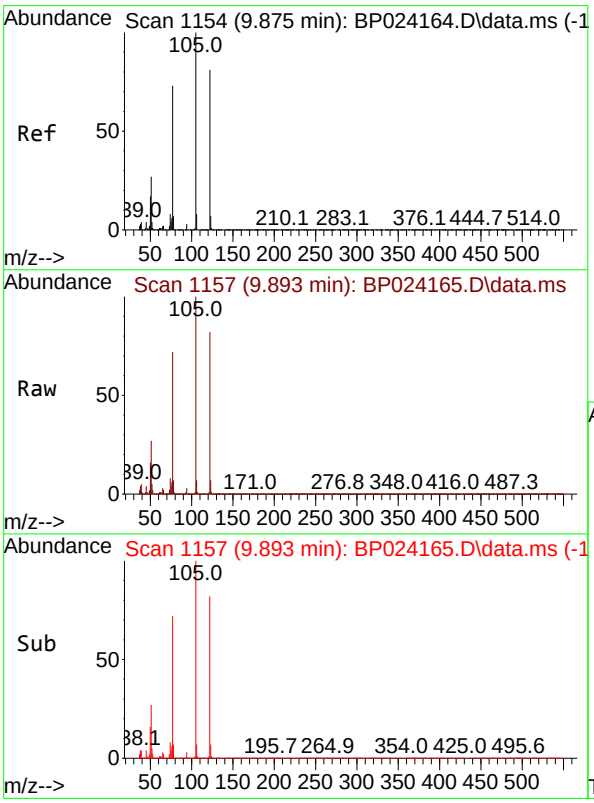

#31
Naphthalene
Concen: 49.689 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

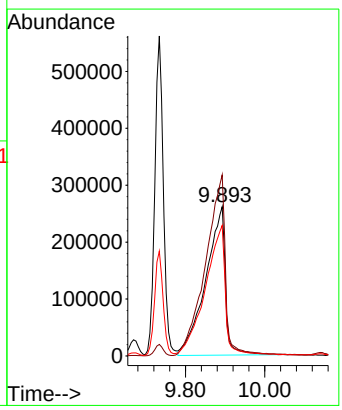


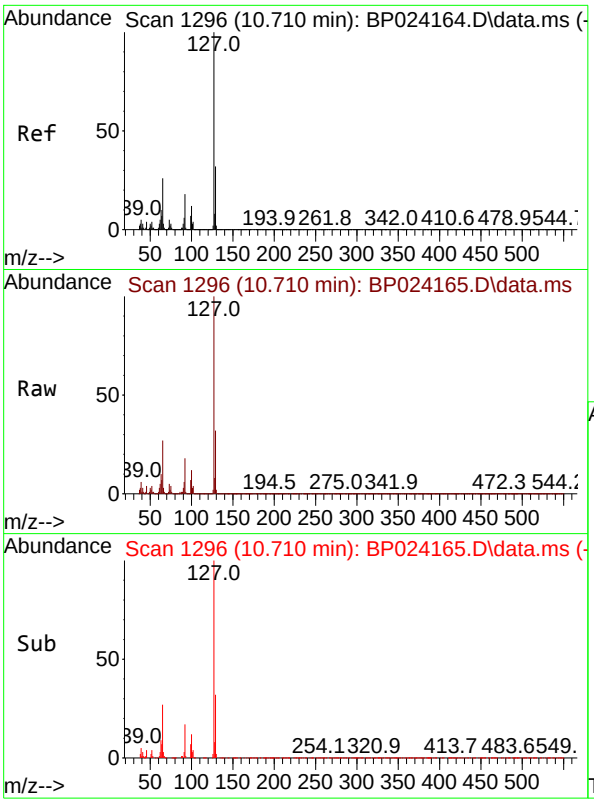




#32
Benzoic acid
Concen: 61.152 ng
RT: 9.893 min Scan# 1157
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



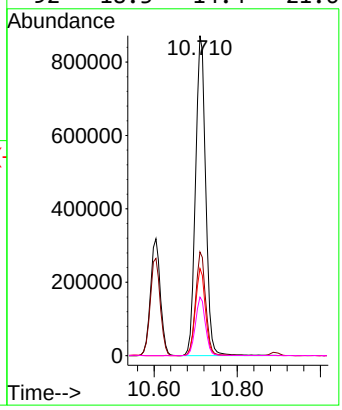


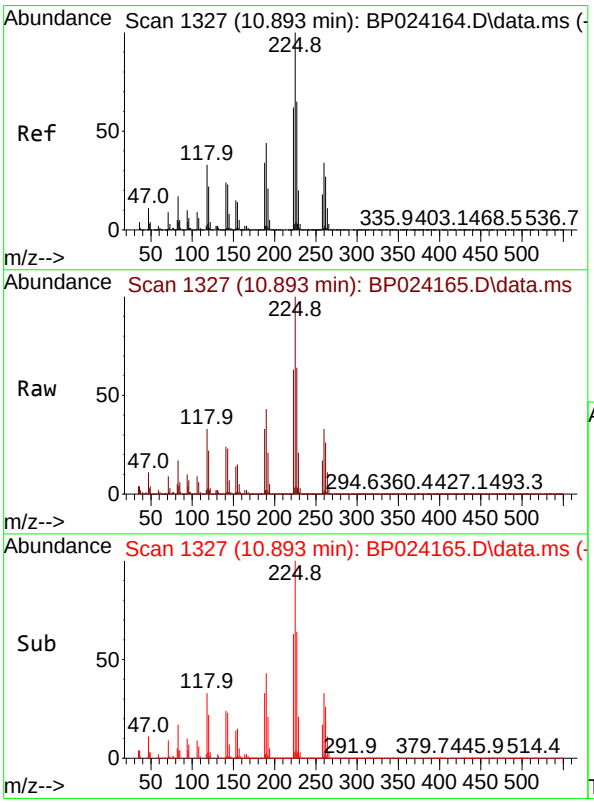

#33
4-Chloroaniline
Concen: 51.976 ng
RT: 10.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

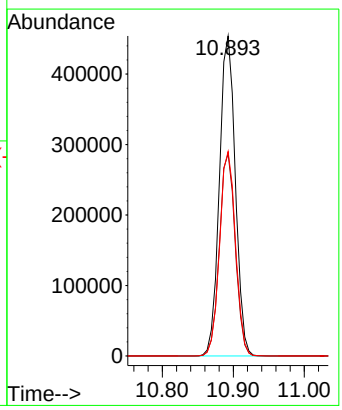


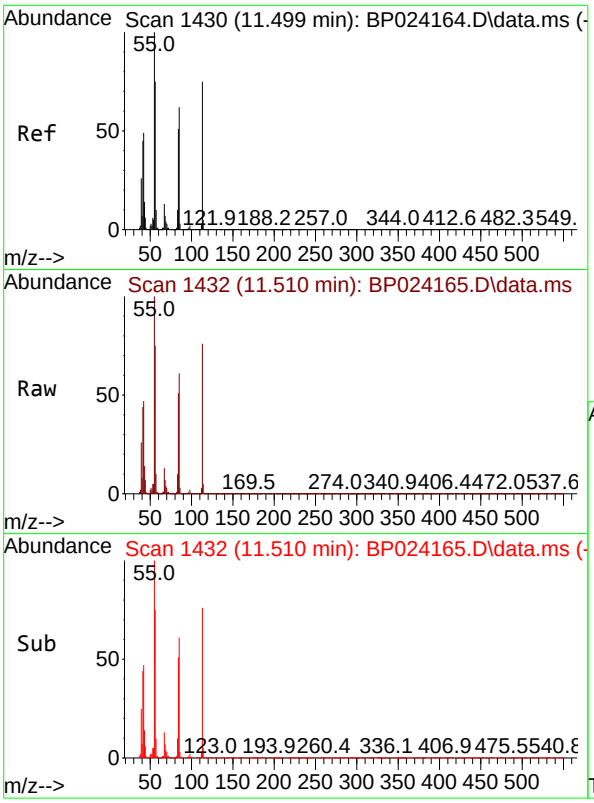




#34
Hexachlorobutadiene
Concen: 48.392 ng
RT: 10.893 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



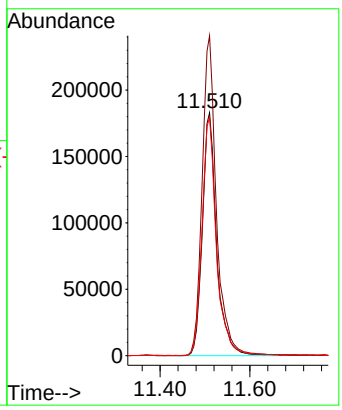


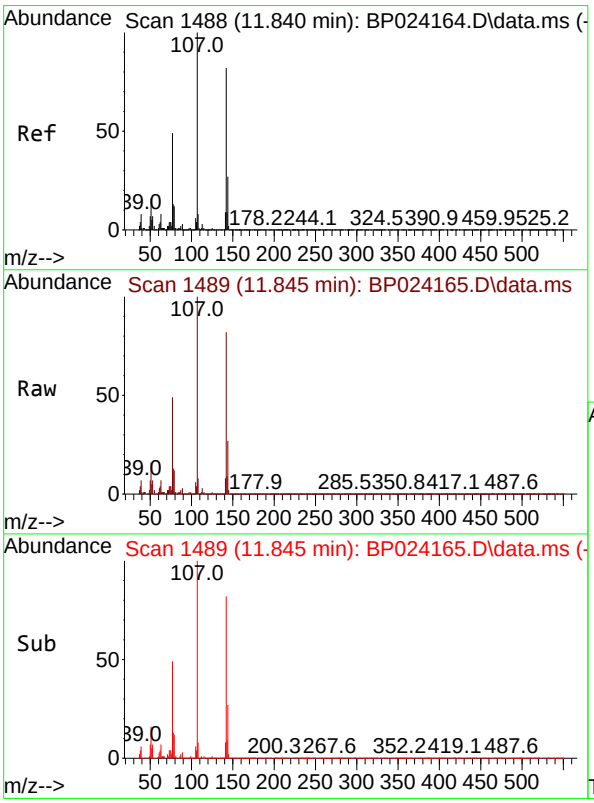

#35
Caprolactam
Concen: 60.646 ng
RT: 11.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

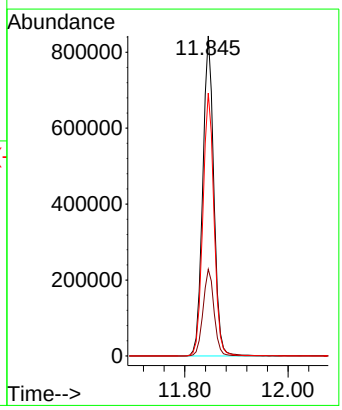


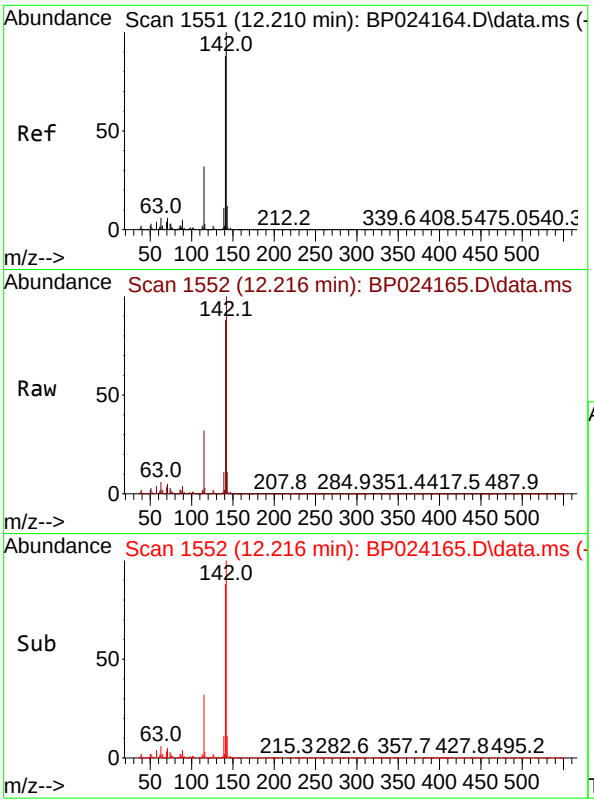




#36
4-Chloro-3-methylphenol
Concen: 55.551 ng
RT: 11.845 min Scan# 1489
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



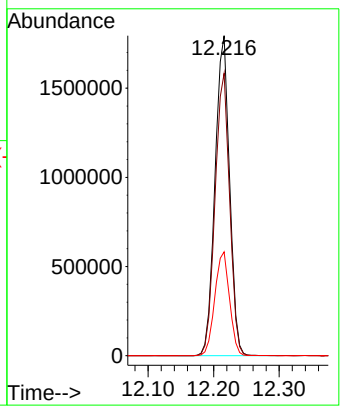


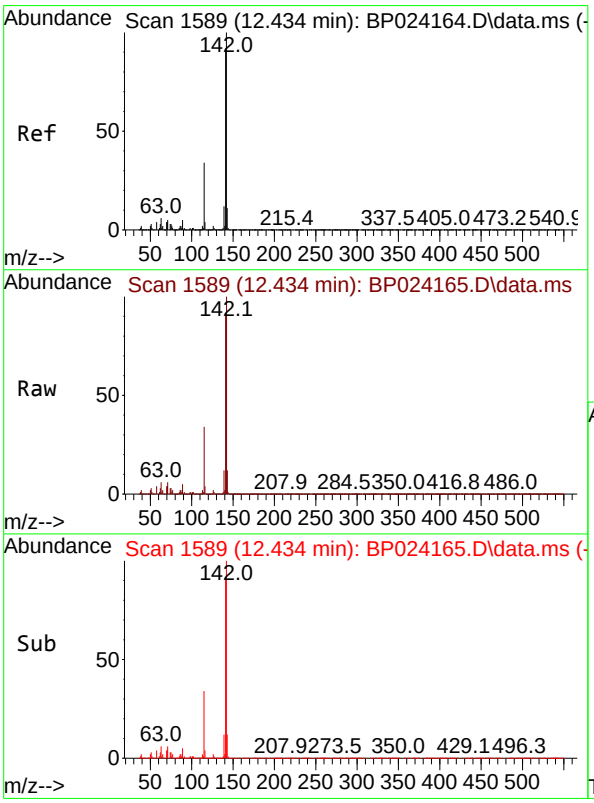

#37
2-Methylnaphthalene
Concen: 51.131 ng
RT: 12.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

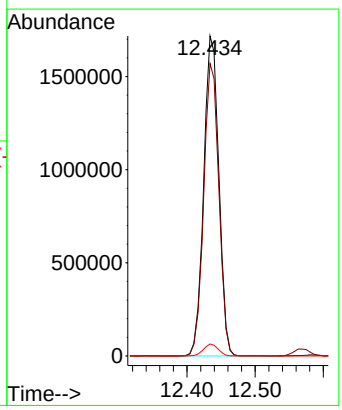


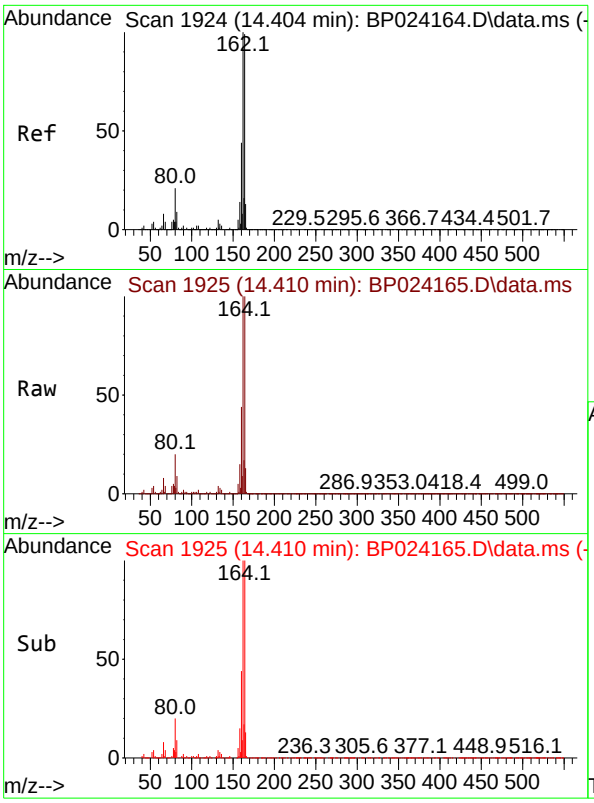




#38
1-Methylnaphthalene
Concen: 50.600 ng
RT: 12.434 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



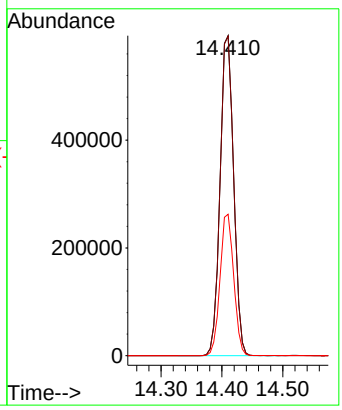


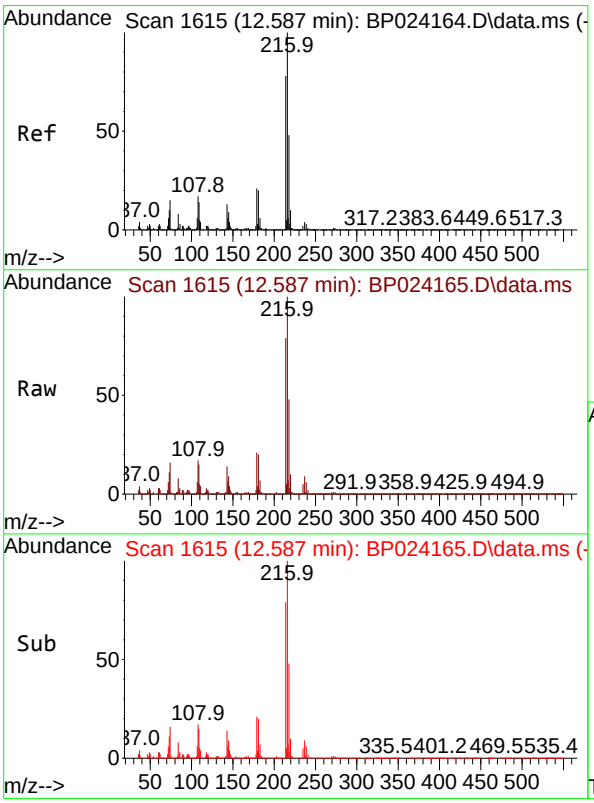

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

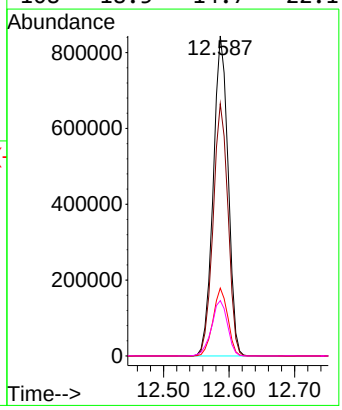


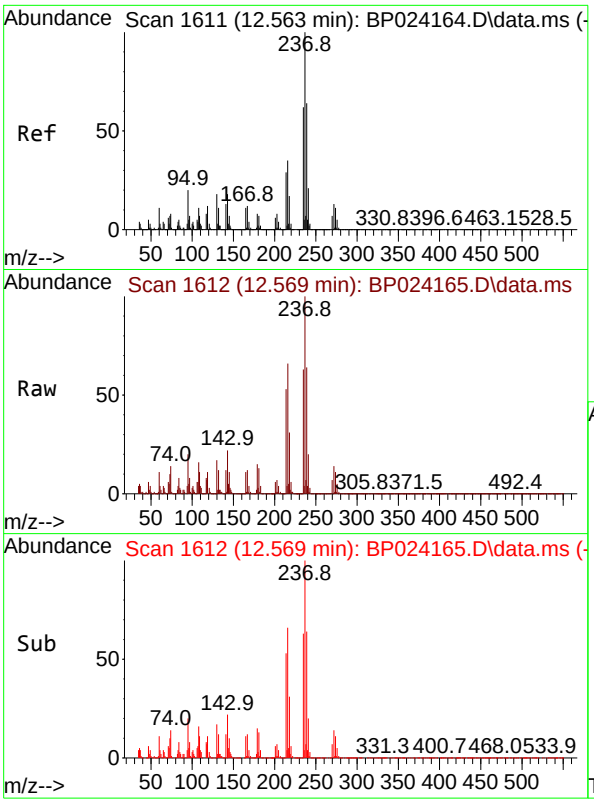




#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.188 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



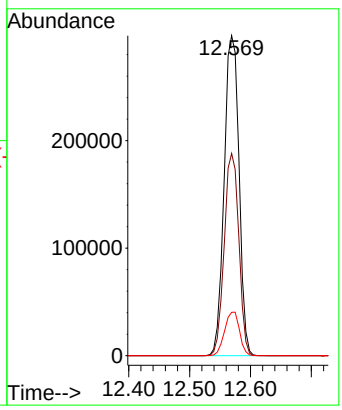


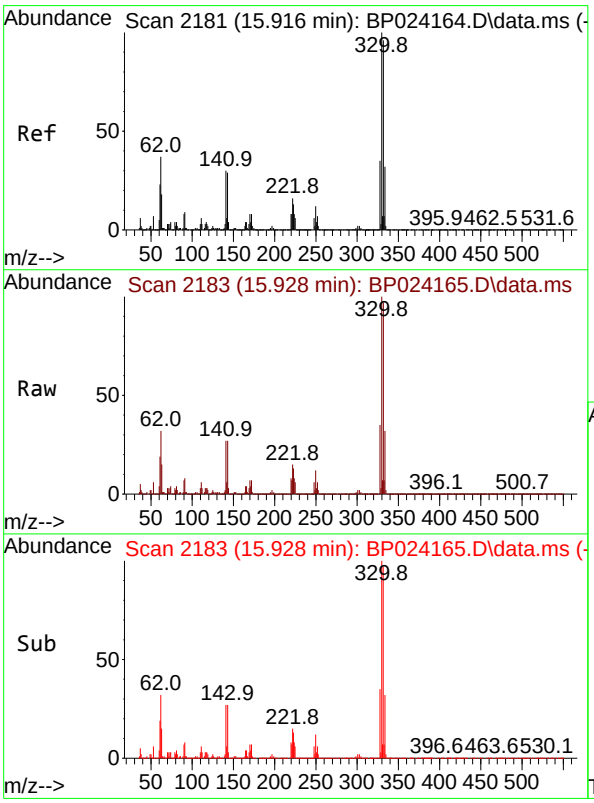

#41
Hexachlorocyclopentadiene
Concen: 47.999 ng
RT: 12.569 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

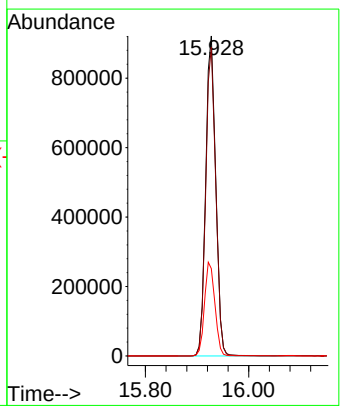


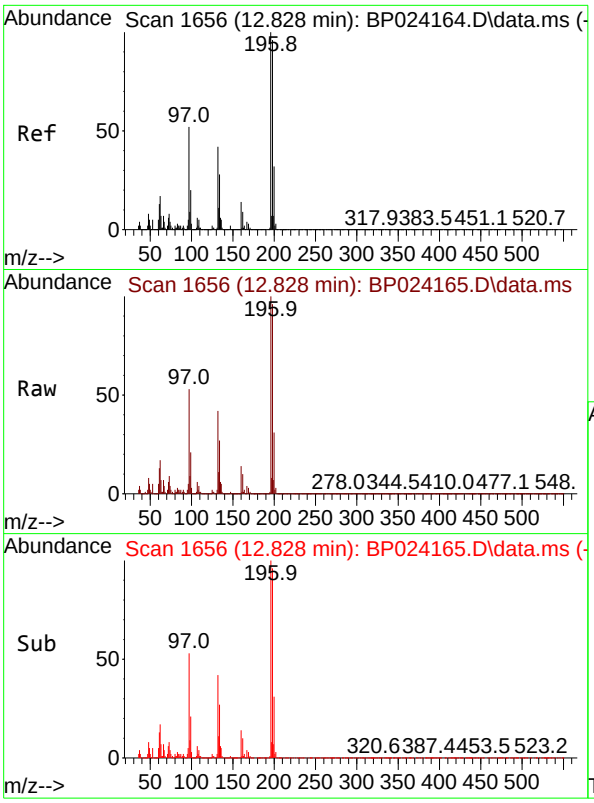




#42
2,4,6-Tribromophenol
Concen: 110.267 ng
RT: 15.928 min Scan# 2183
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



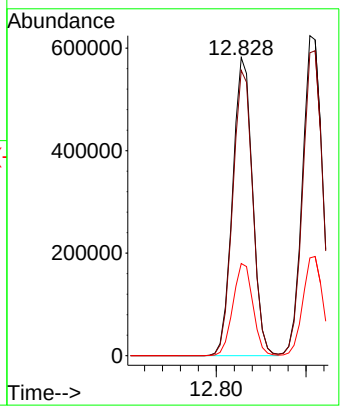


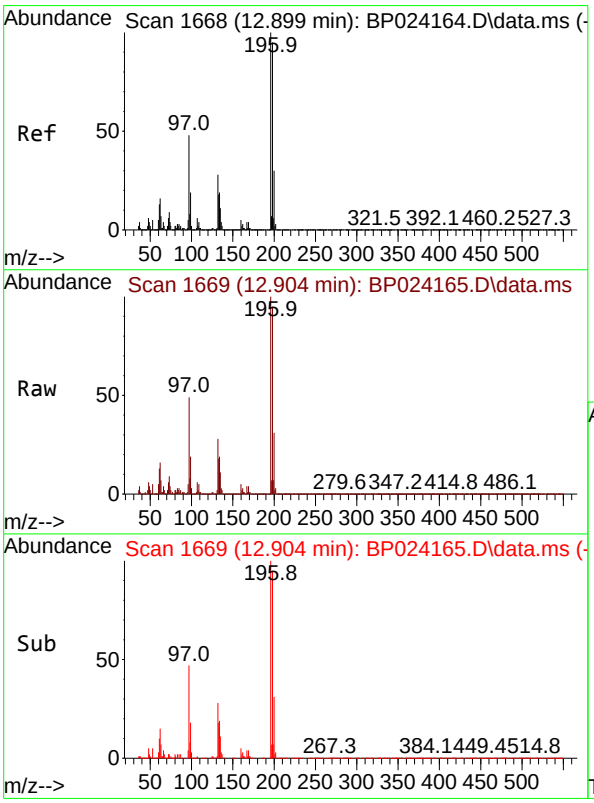

#43
2,4,6-Trichlorophenol
Concen: 52.112 ng
RT: 12.828 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

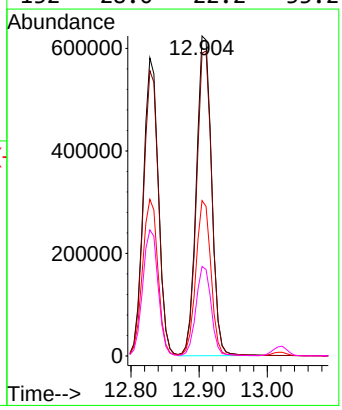


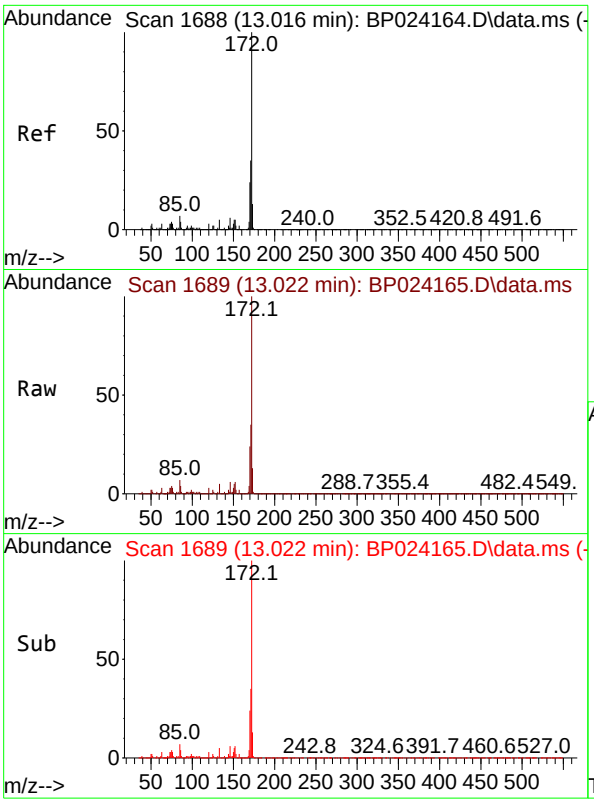




#44
2,4,5-Trichlorophenol
Concen: 51.517 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



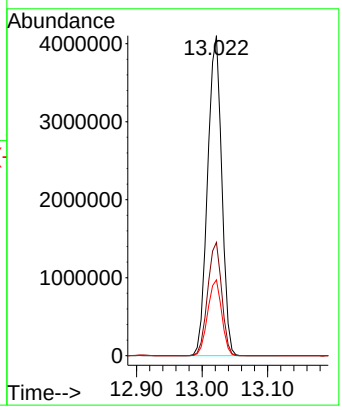


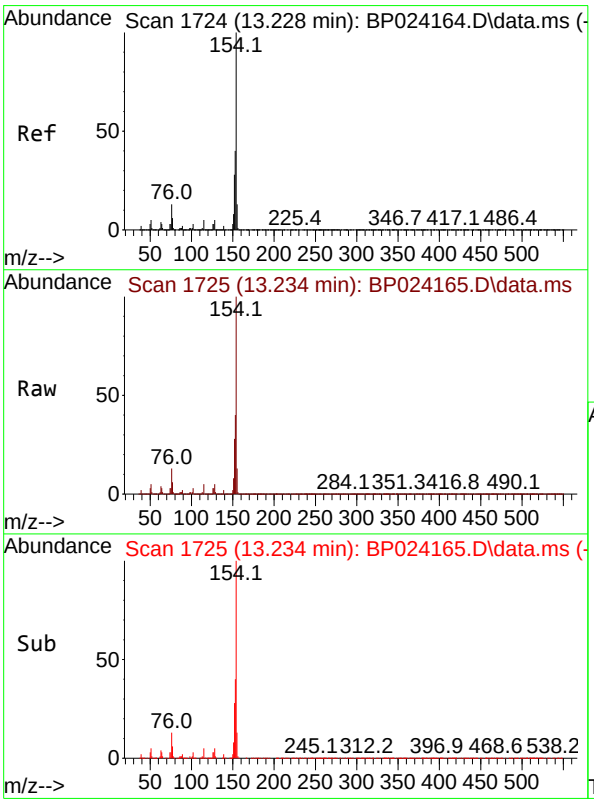

#45
2-Fluorobiphenyl
Concen: 93.318 ng
RT: 13.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

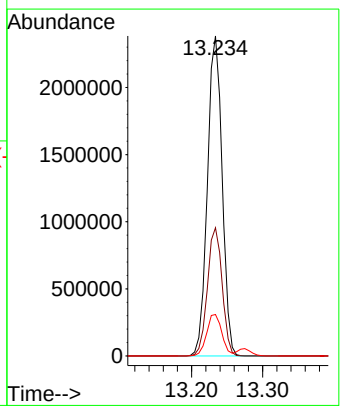


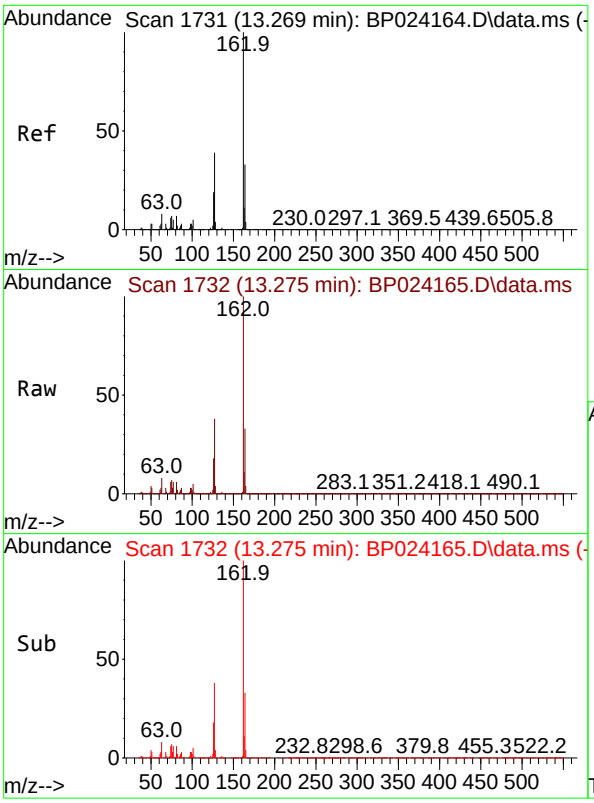




#46
1,1'-Biphenyl
Concen: 48.043 ng
RT: 13.234 min Scan# 1725
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



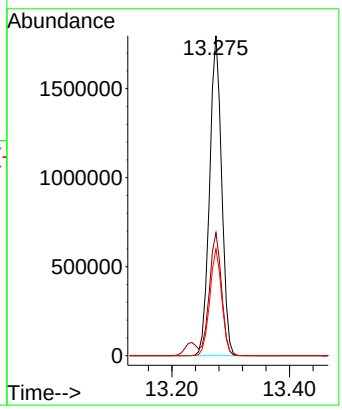


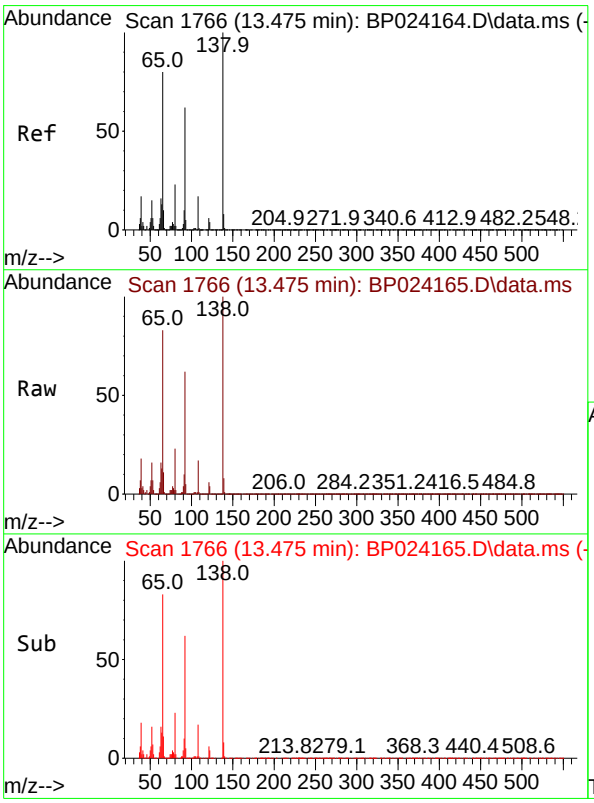

#47
2-Chloronaphthalene
Concen: 47.446 ng
RT: 13.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

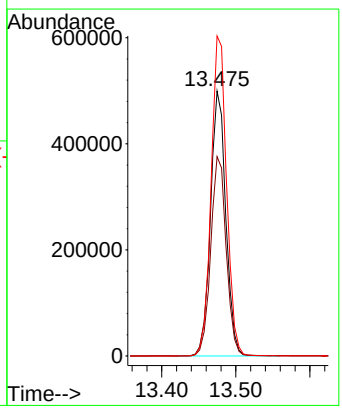


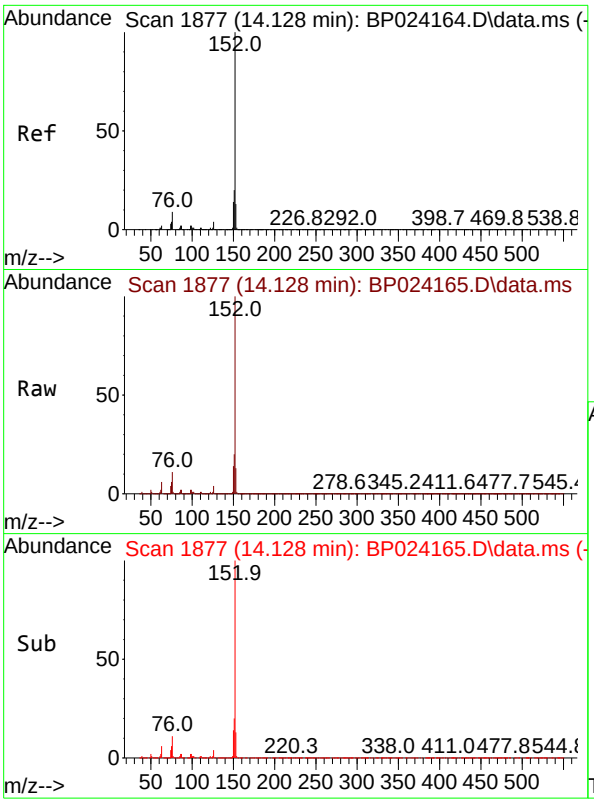




#48
2-Nitroaniline
Concen: 56.066 ng
RT: 13.475 min Scan# 1766
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



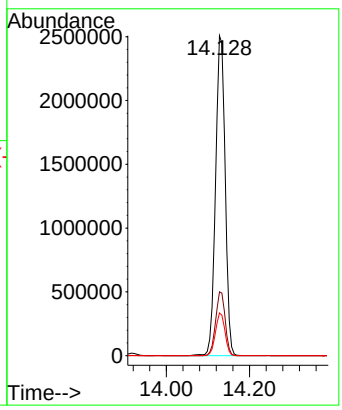


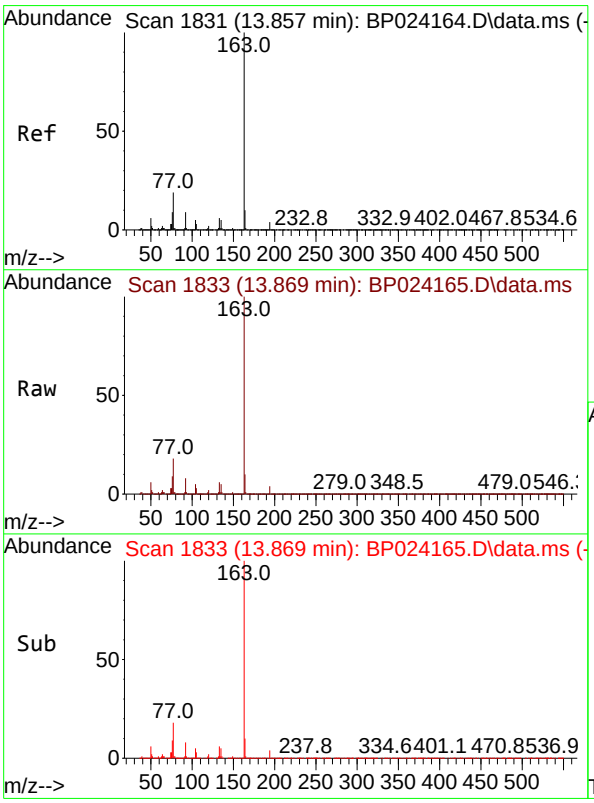

#49
Acenaphthylene
Concen: 50.533 ng
RT: 14.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

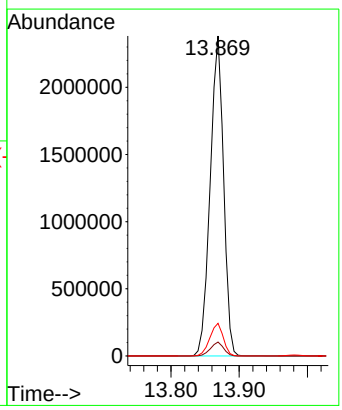


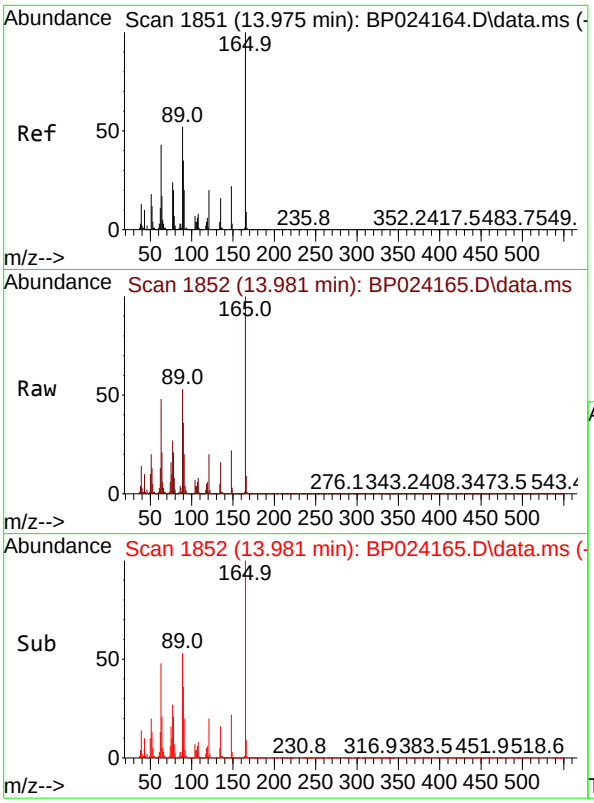




#50
Dimethylphthalate
Concen: 50.224 ng
RT: 13.869 min Scan# 1833
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



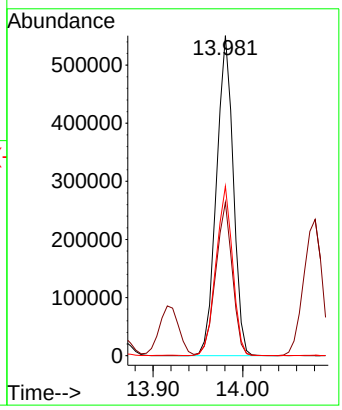


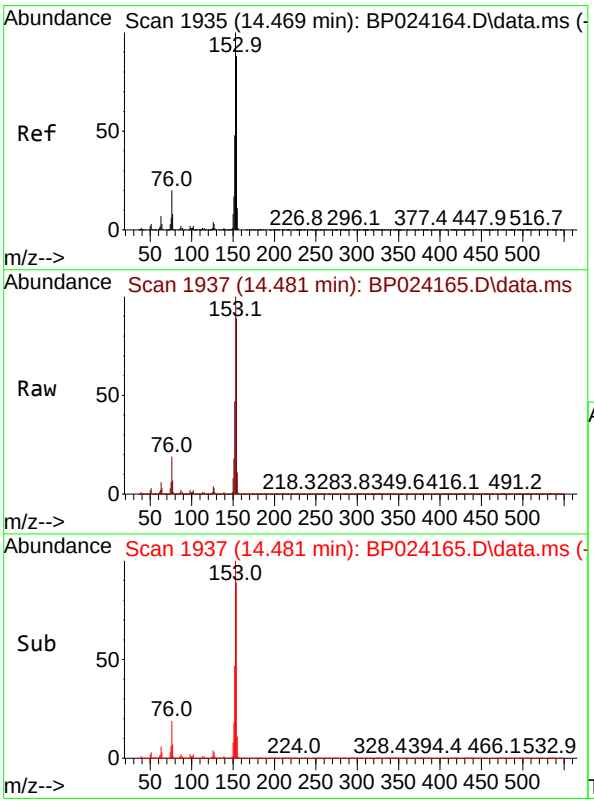

#51
2,6-Dinitrotoluene
Concen: 54.206 ng
RT: 13.981 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

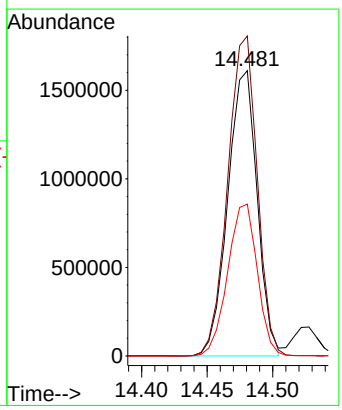


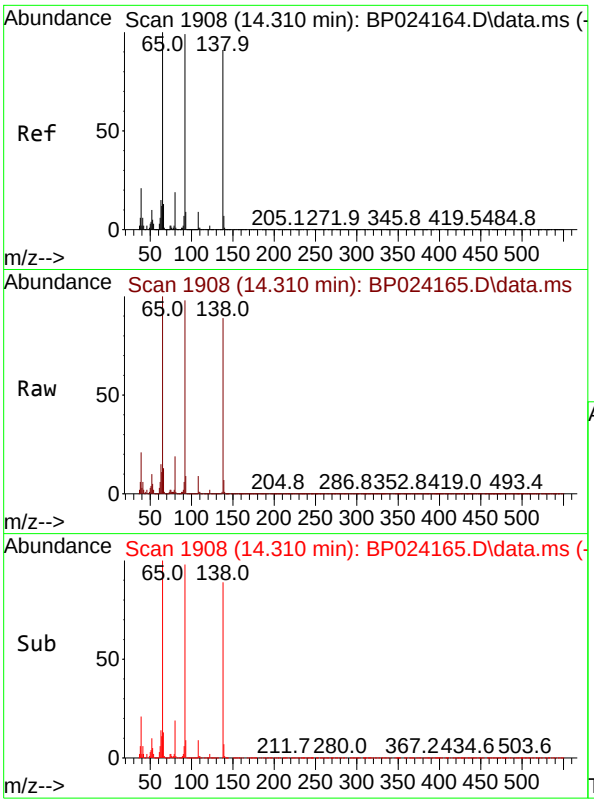




#52
Acenaphthene
Concen: 49.182 ng
RT: 14.481 min Scan# 1937
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



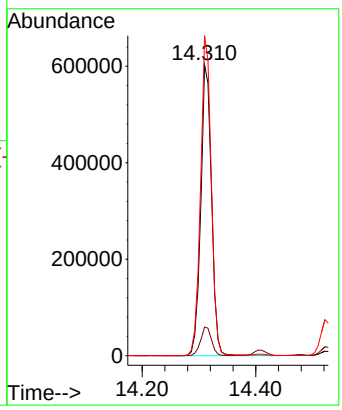


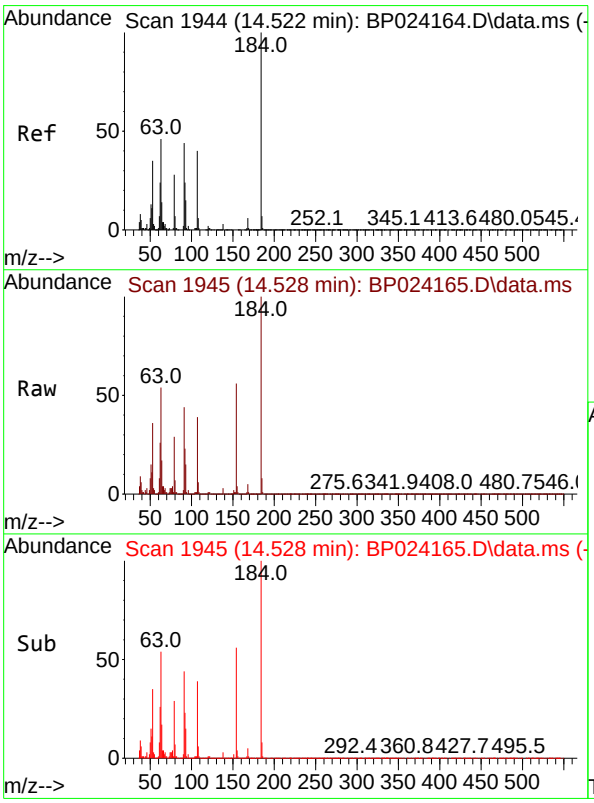

#53
3-Nitroaniline
Concen: 56.128 ng
RT: 14.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

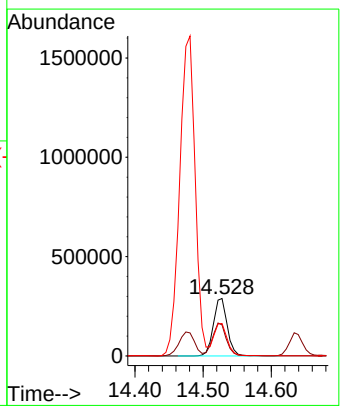


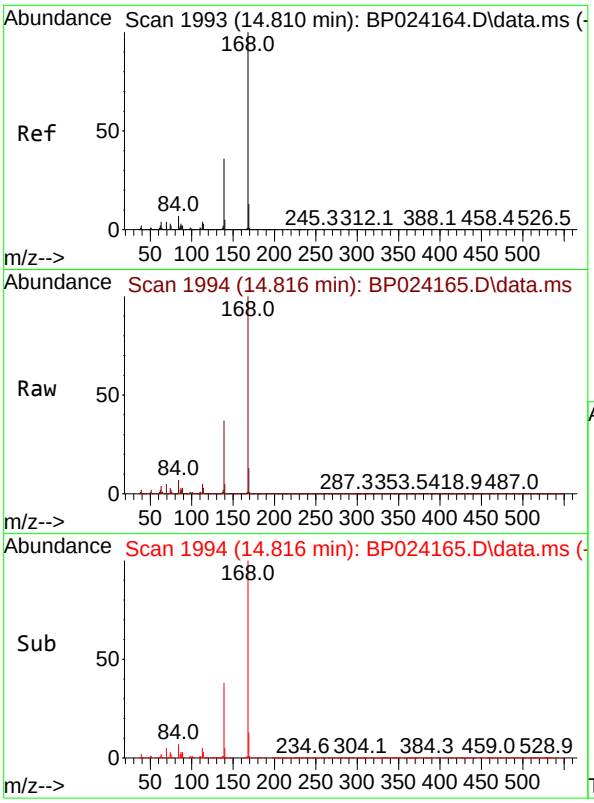




#54
2,4-Dinitrophenol
Concen: 58.439 ng
RT: 14.528 min Scan# 1945
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



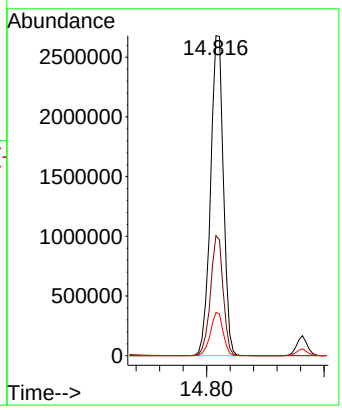


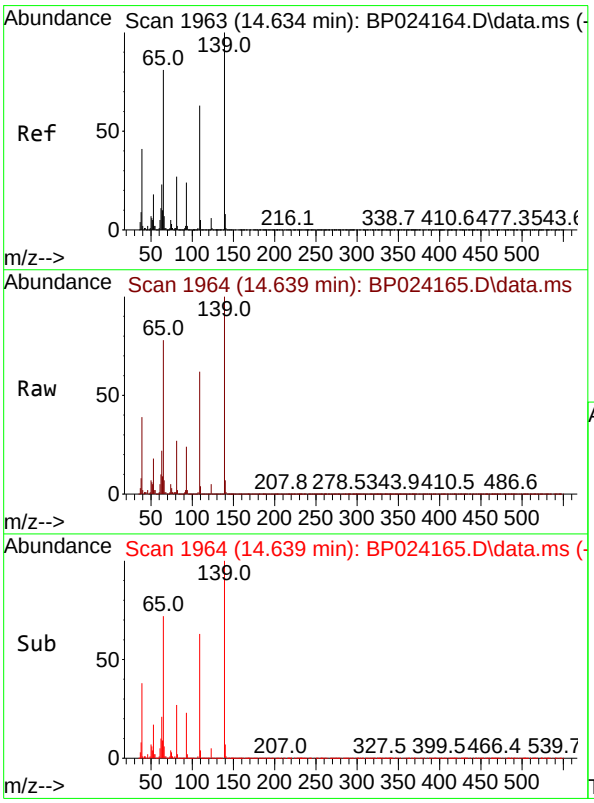

#55
Dibenzofuran
Concen: 48.816 ng
RT: 14.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

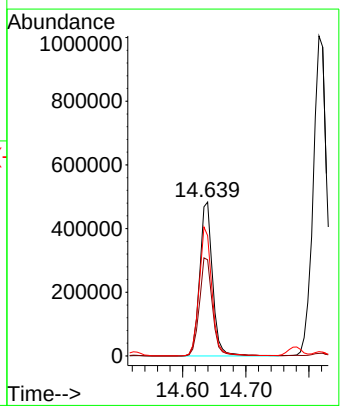


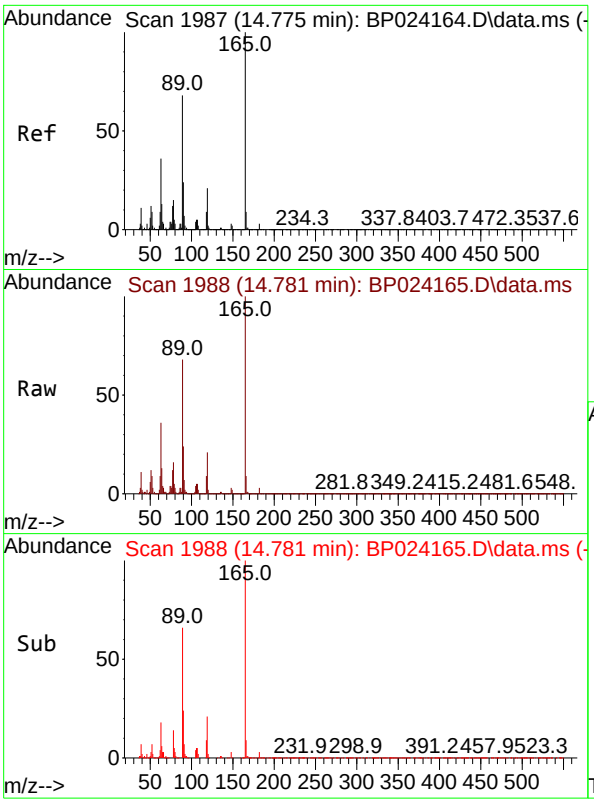




#56
4-Nitrophenol
Concen: 56.382 ng
RT: 14.639 min Scan# 1964
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



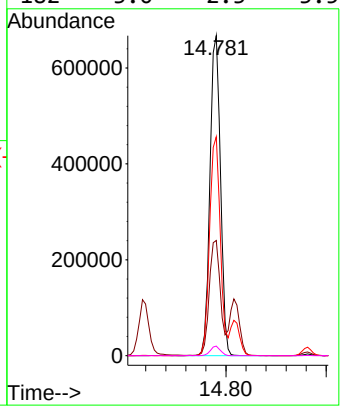


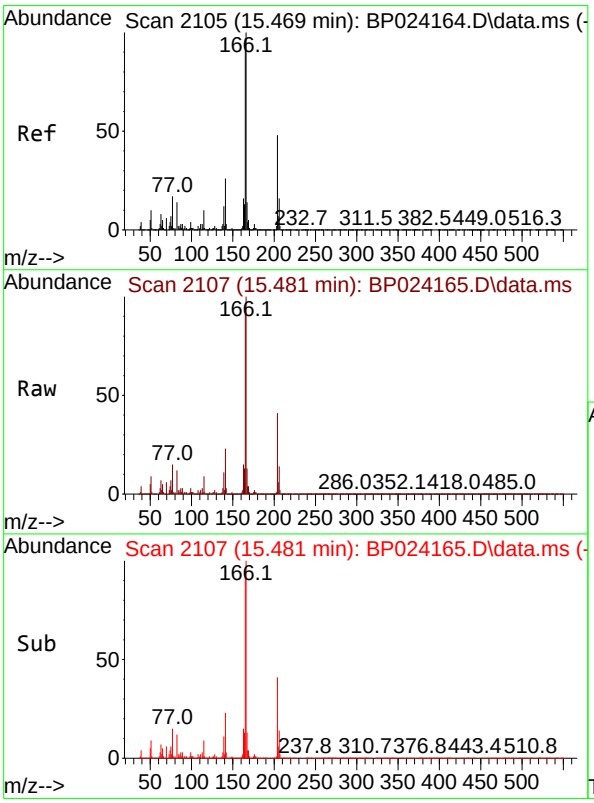

#57
2,4-Dinitrotoluene
Concen: 56.659 ng
RT: 14.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

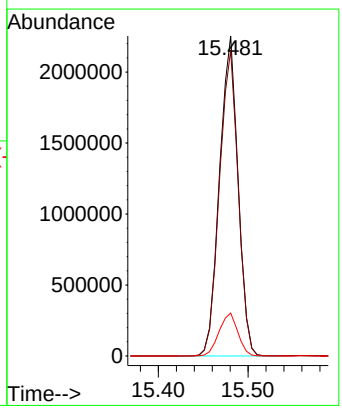


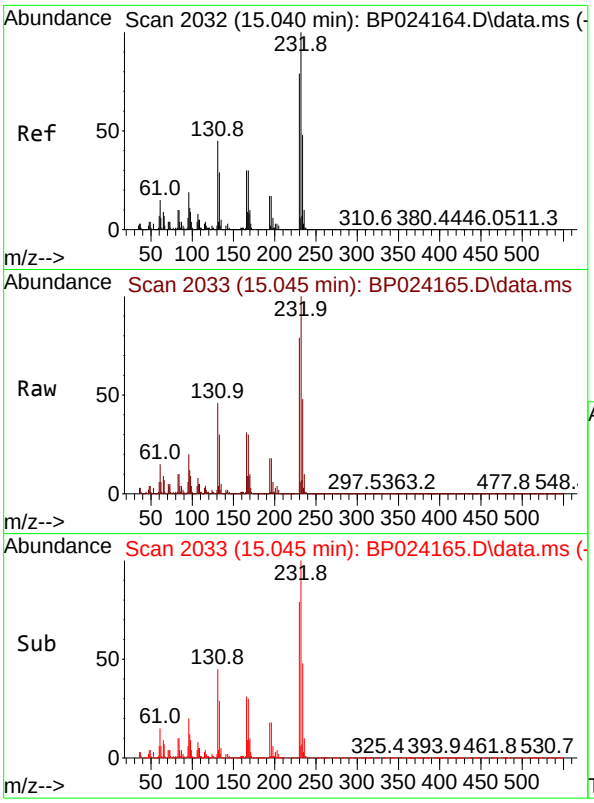




#58
Fluorene
Concen: 49.759 ng
RT: 15.481 min Scan# 2107
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



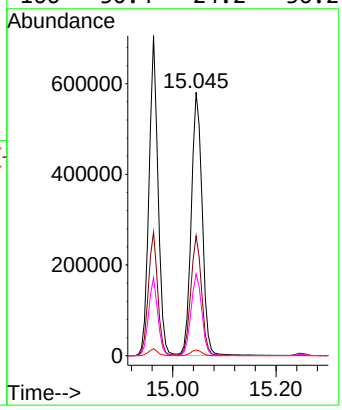


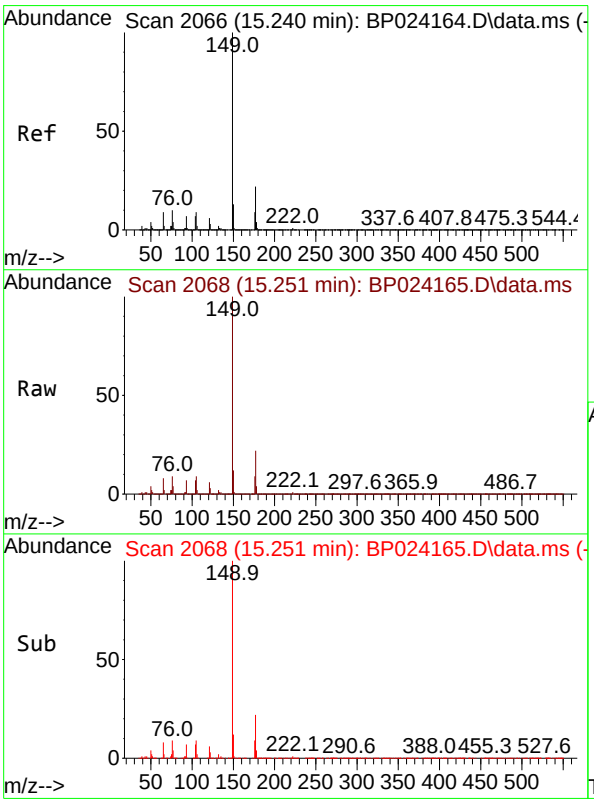

#59
2,3,4,6-Tetrachlorophenol
Concen: 52.152 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

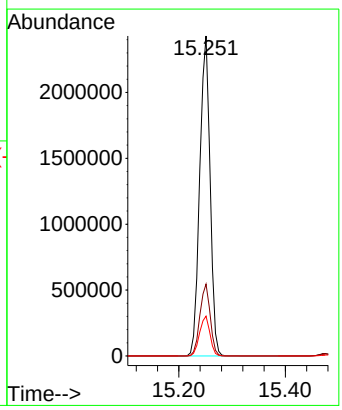


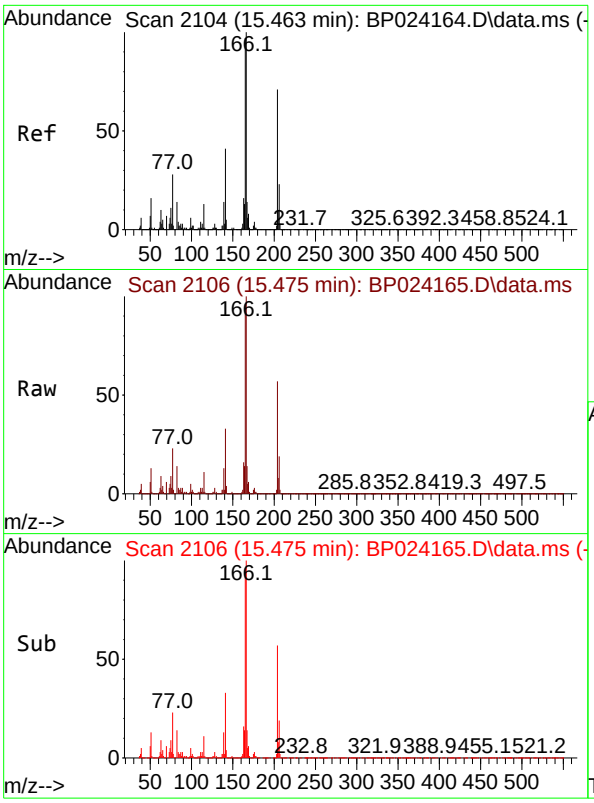




#60
Diethylphthalate
Concen: 50.786 ng
RT: 15.251 min Scan# 2068
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



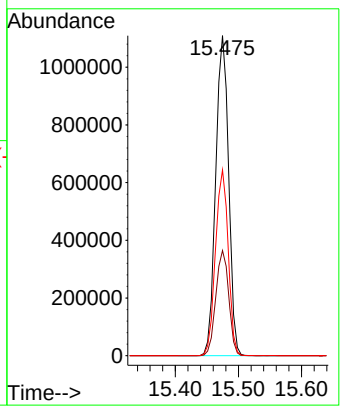


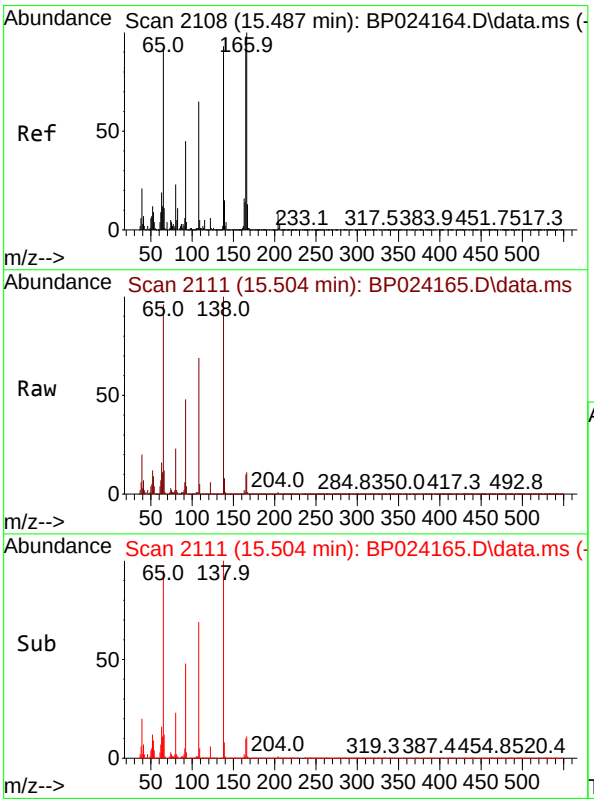

#61
4-Chlorophenyl-phenylether
Concen: 49.216 ng
RT: 15.475 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

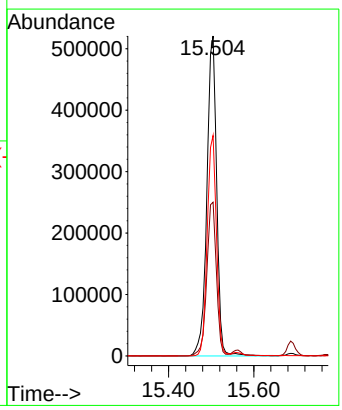


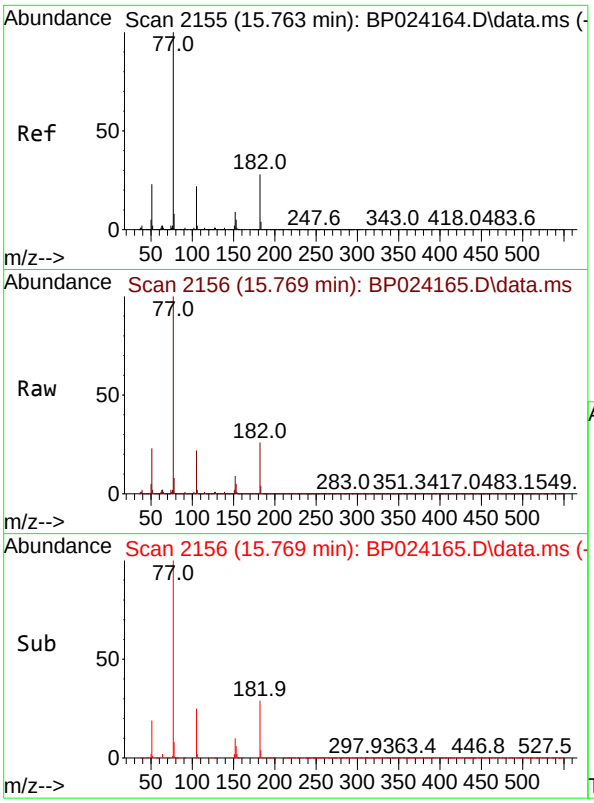




#62
4-Nitroaniline
Concen: 56.889 ng
RT: 15.504 min Scan# 2111
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



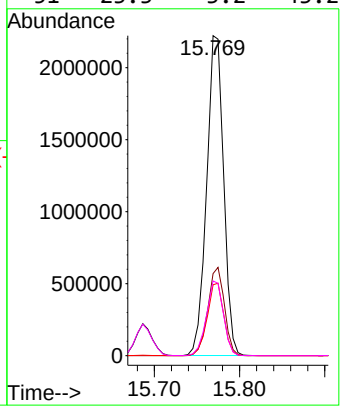


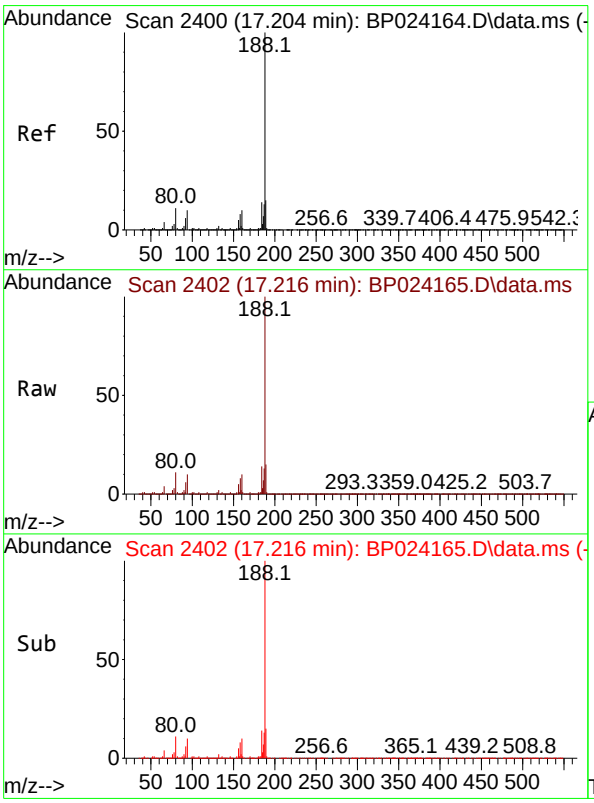

#63
Azobenzene
Concen: 51.085 ng
RT: 15.769 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

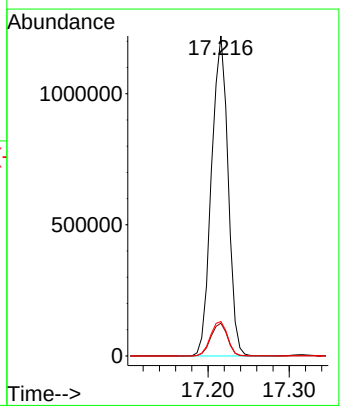


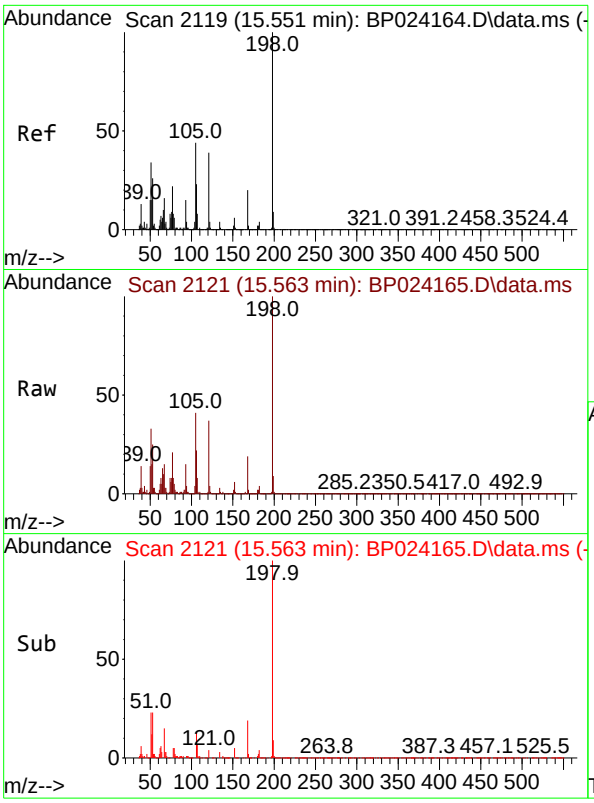




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2402
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



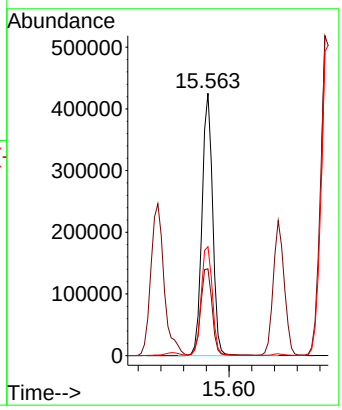


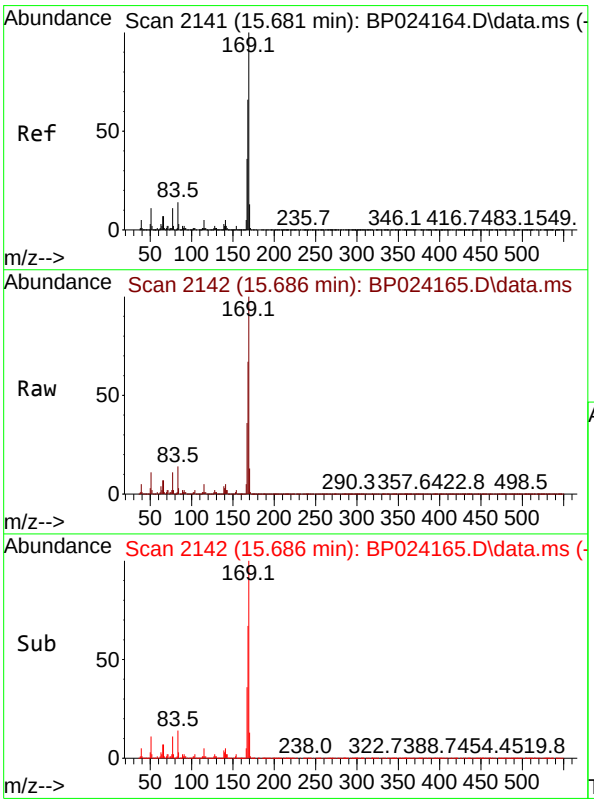

#65
4,6-Dinitro-2-methylphenol
Concen: 55.051 ng
RT: 15.563 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

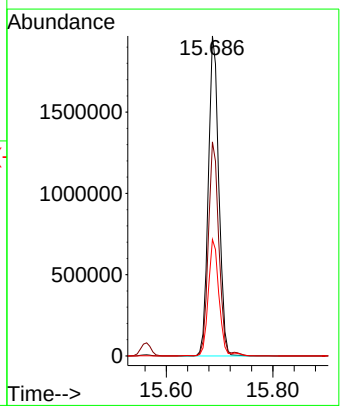


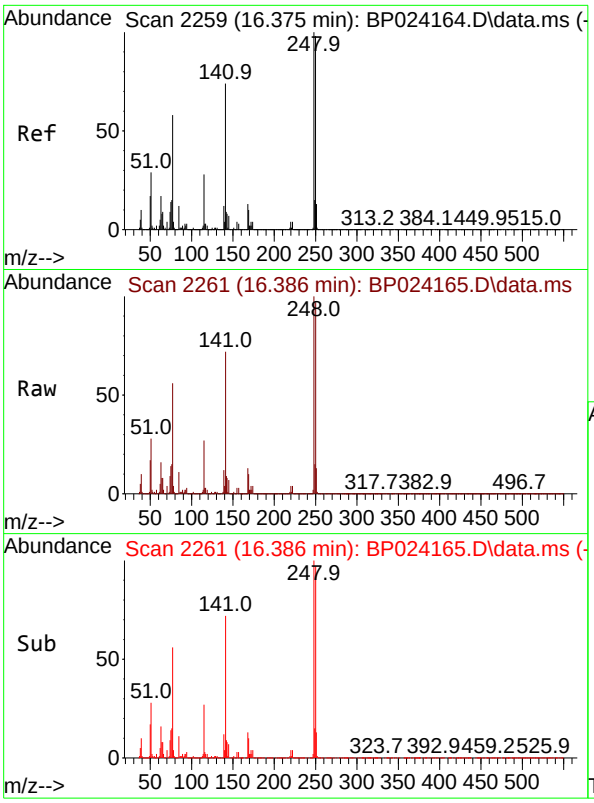




#66
n-Nitrosodiphenylamine
Concen: 49.497 ng
RT: 15.686 min Scan# 2142
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



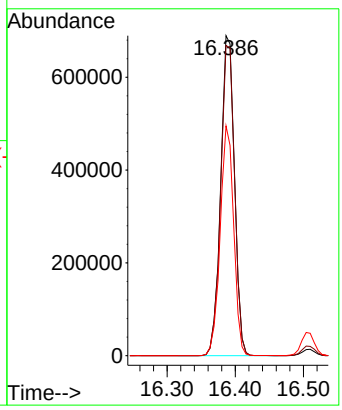


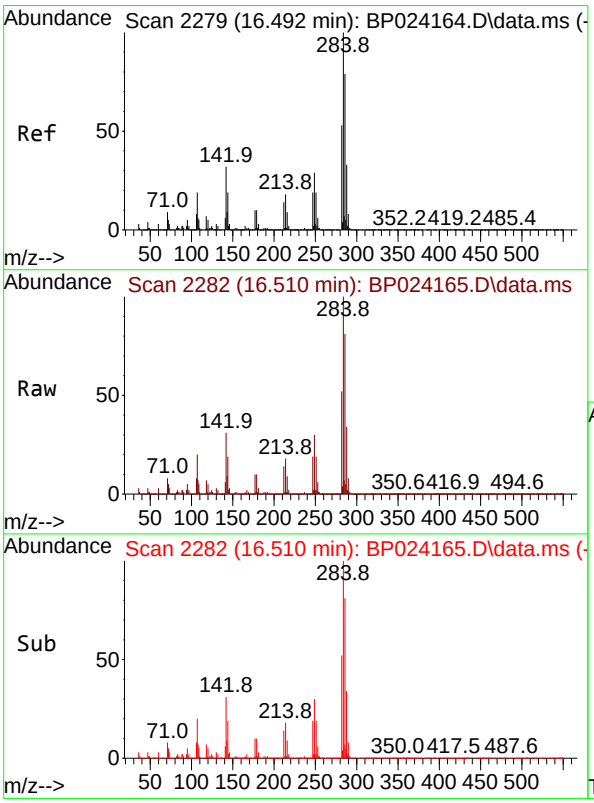

#67
4-Bromophenyl-phenylether
Concen: 49.858 ng
RT: 16.386 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

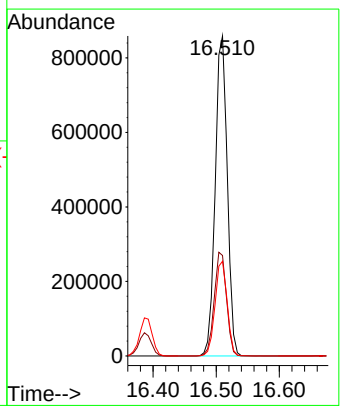


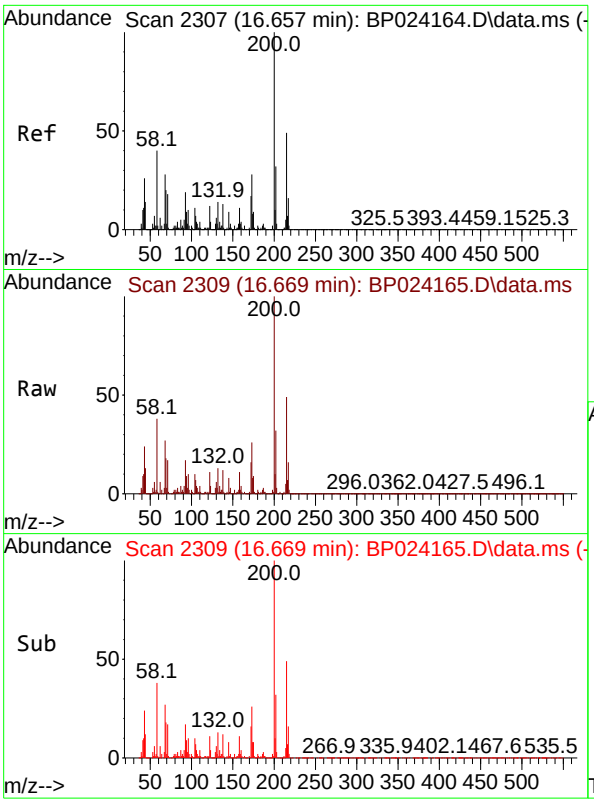




#68
Hexachlorobenzene
Concen: 49.709 ng
RT: 16.510 min Scan# 2282
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



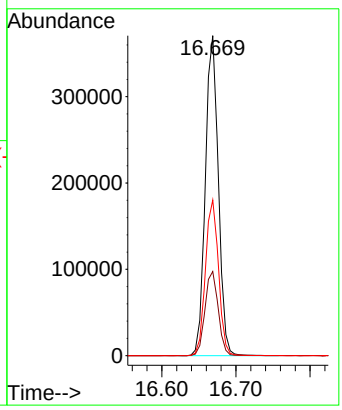


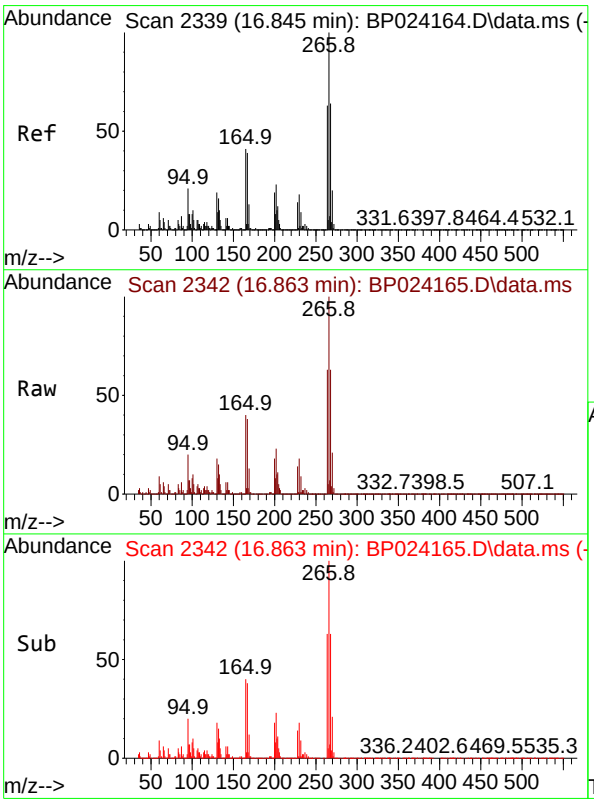

#69
Atrazine
Concen: 32.672 ng
RT: 16.669 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

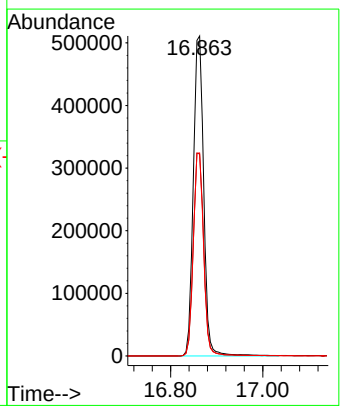


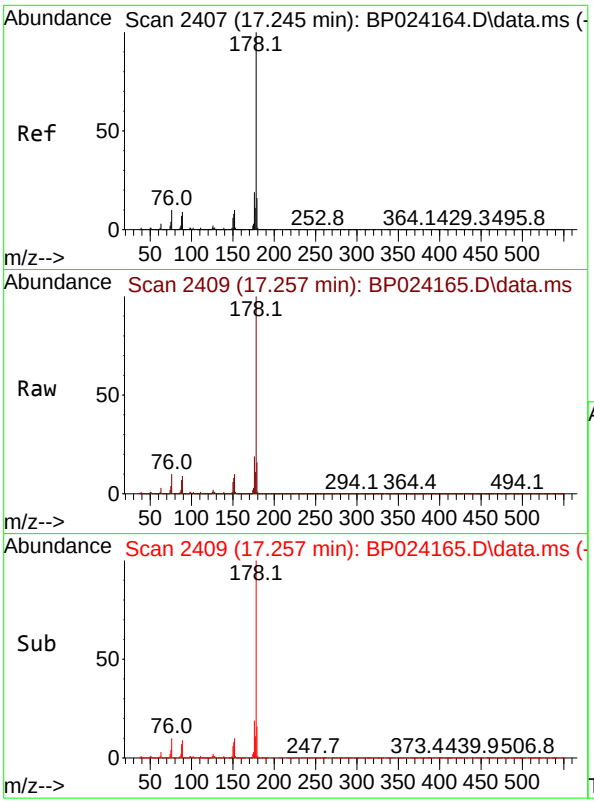




#70
Pentachlorophenol
Concen: 53.644 ng
RT: 16.863 min Scan# 2342
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



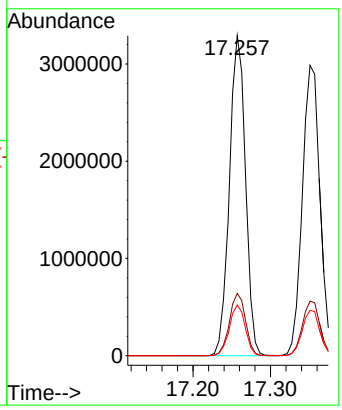


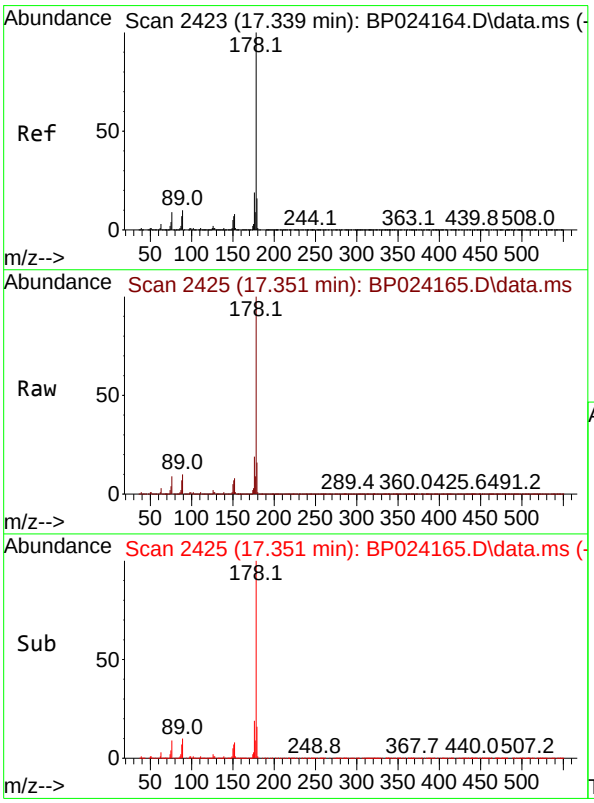

#71
Phenanthrene
Concen: 48.797 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

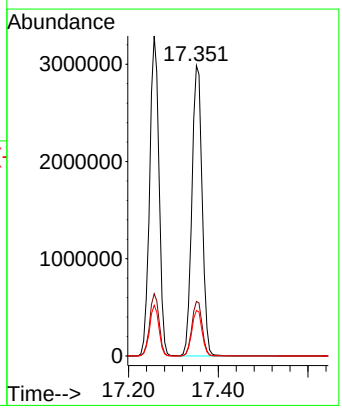


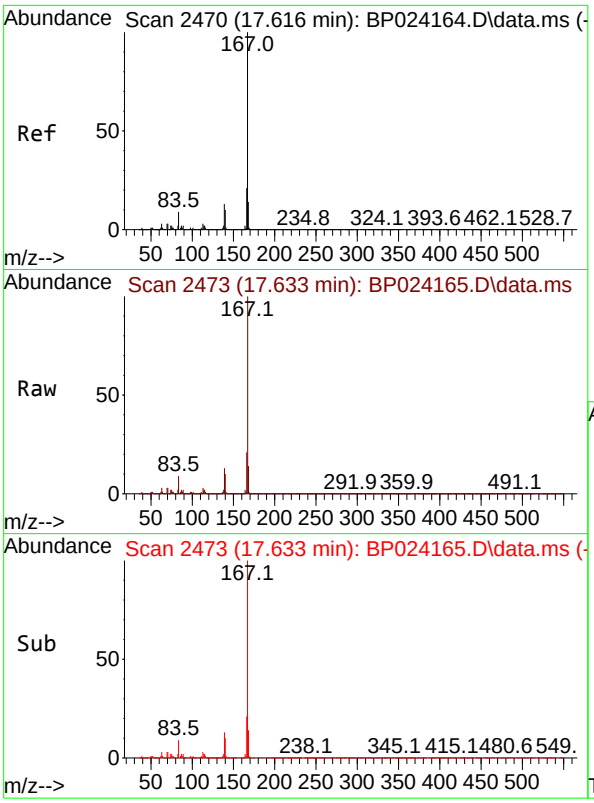




#72
Anthracene
Concen: 50.526 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



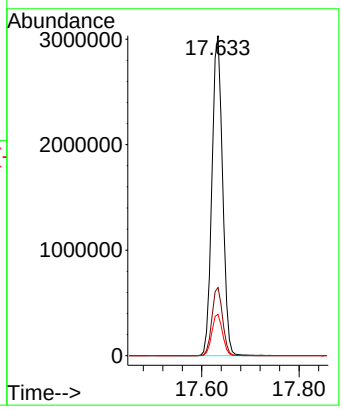


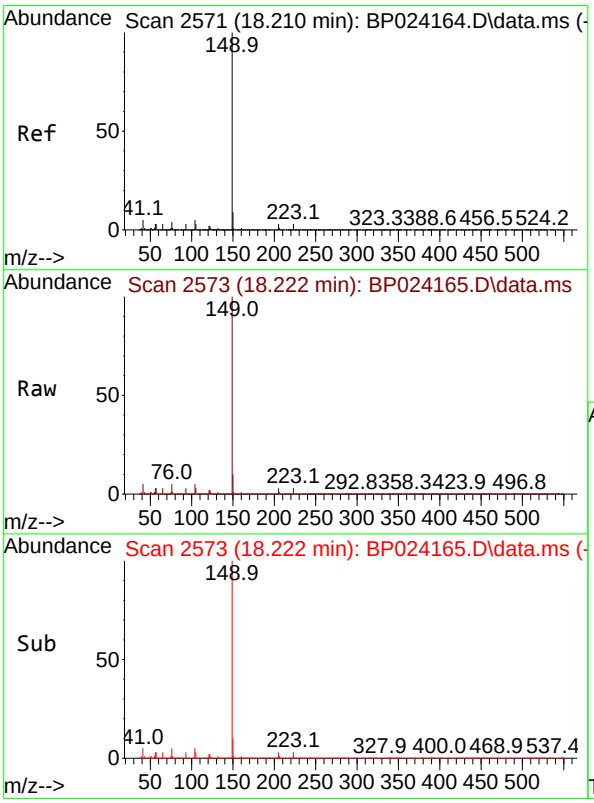

#73
Carbazole
Concen: 51.485 ng
RT: 17.633 min Scan# 24
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

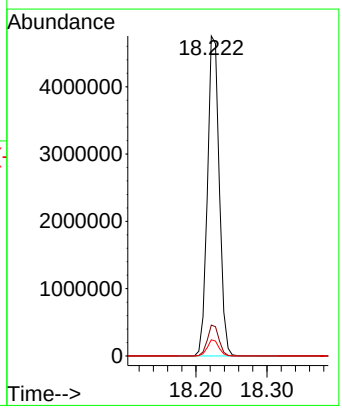


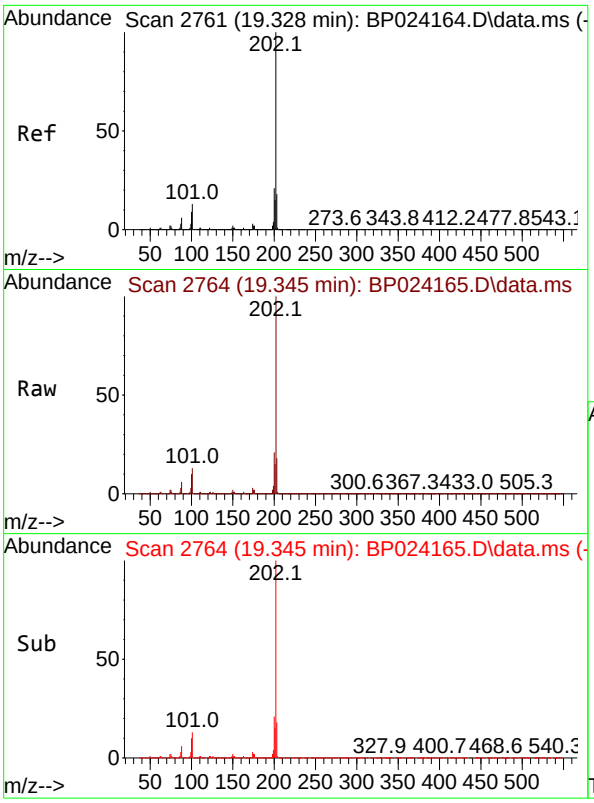




#74
Di-n-butylphthalate
Concen: 52.951 ng
RT: 18.222 min Scan# 2573
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



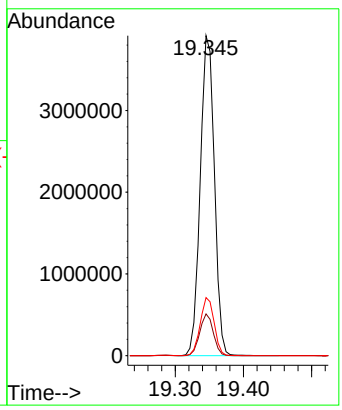


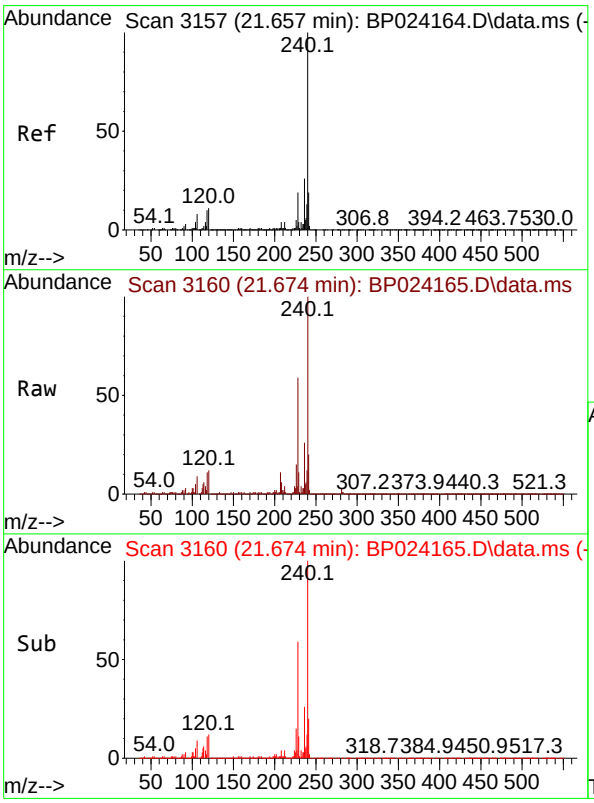

#75
Fluoranthene
Concen: 51.163 ng
RT: 19.345 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

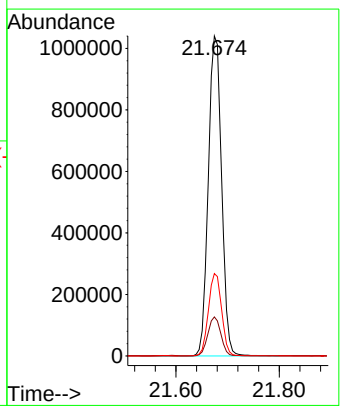


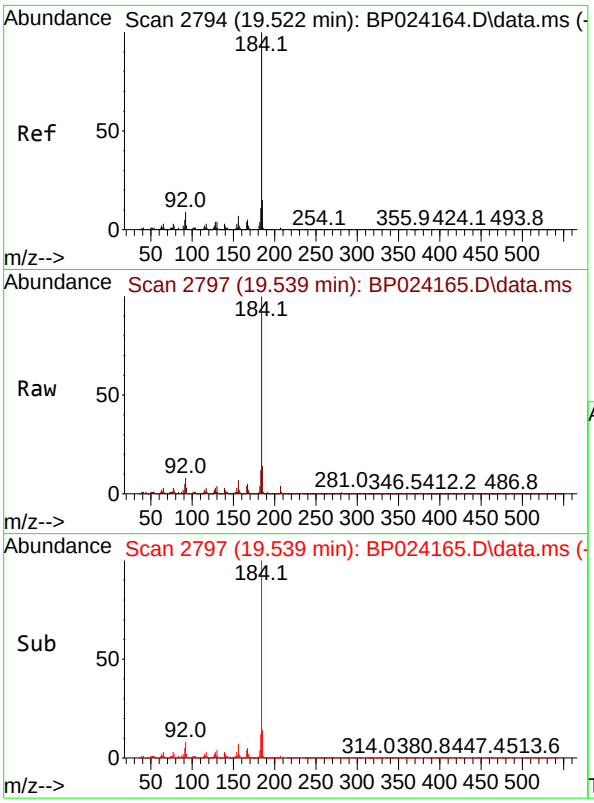




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.674 min Scan# 3160
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



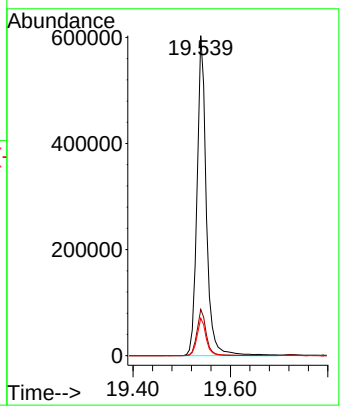


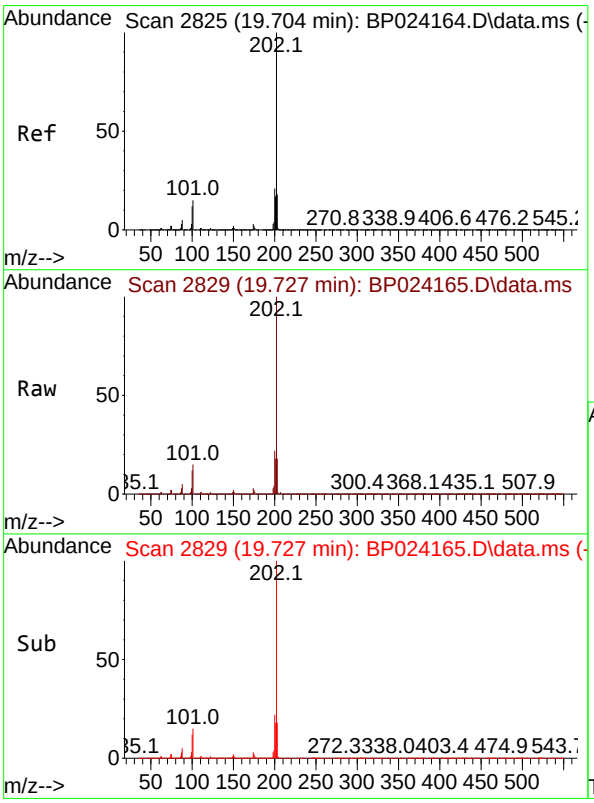

#77
Benzidine
Concen: 35.585 ng
RT: 19.539 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

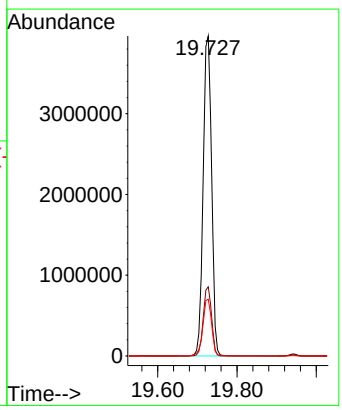


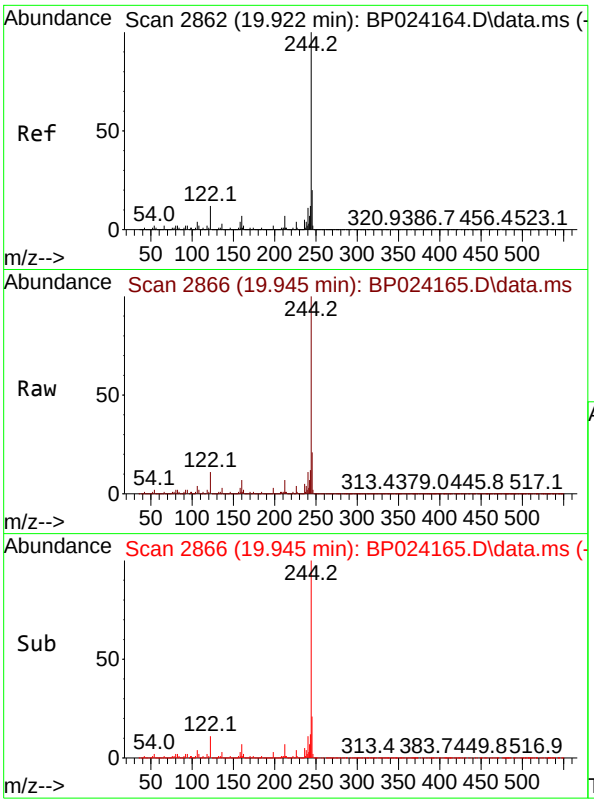




#78
Pyrene
Concen: 49.843 ng
RT: 19.727 min Scan# 2829
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



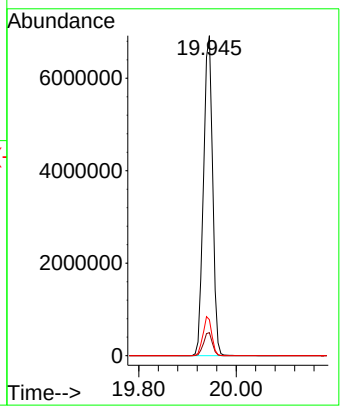


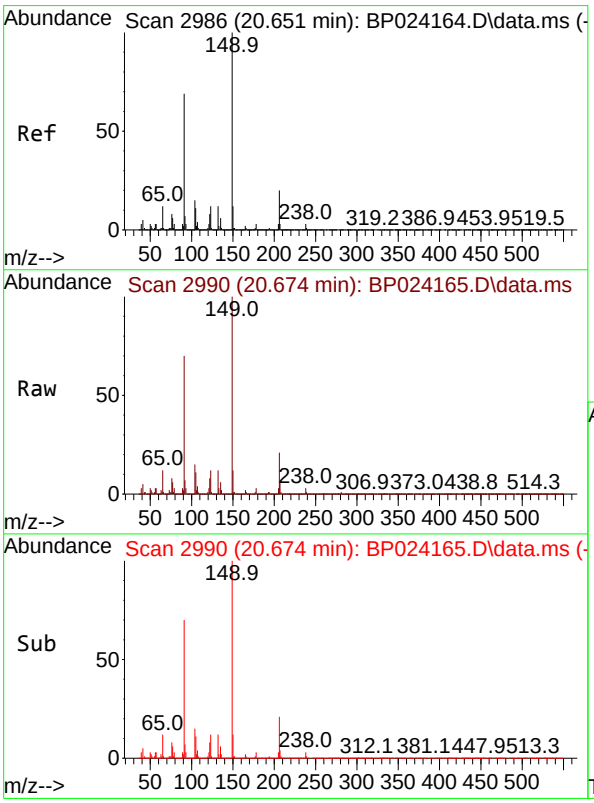

#79
Terphenyl-d14
Concen: 95.606 ng
RT: 19.945 min Scan# 2
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

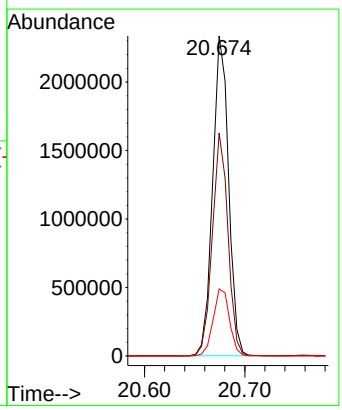


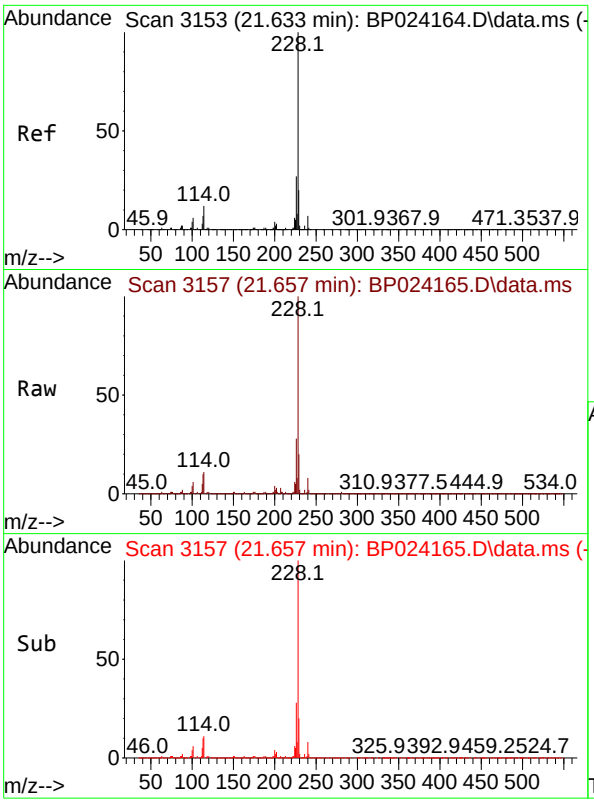




#80
Butylbenzylphthalate
Concen: 56.920 ng
RT: 20.674 min Scan# 2990
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



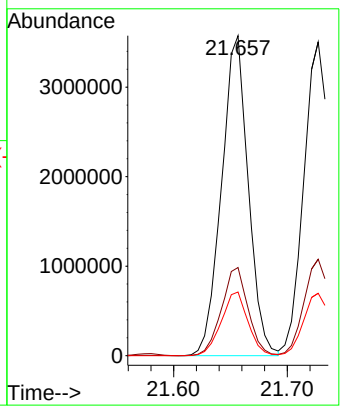


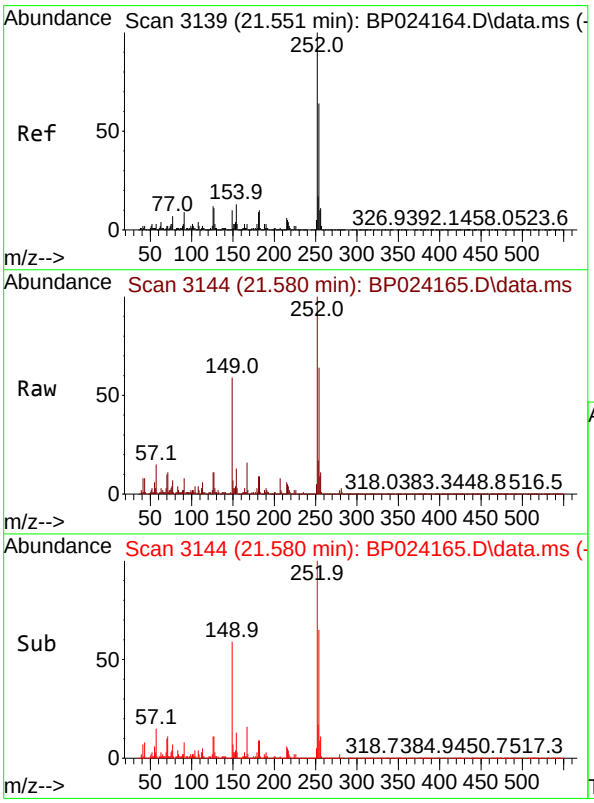

#81
Benzo(a)anthracene
Concen: 50.277 ng
RT: 21.657 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

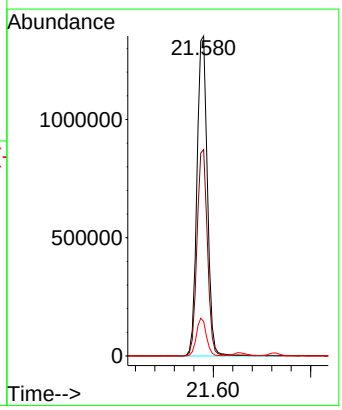


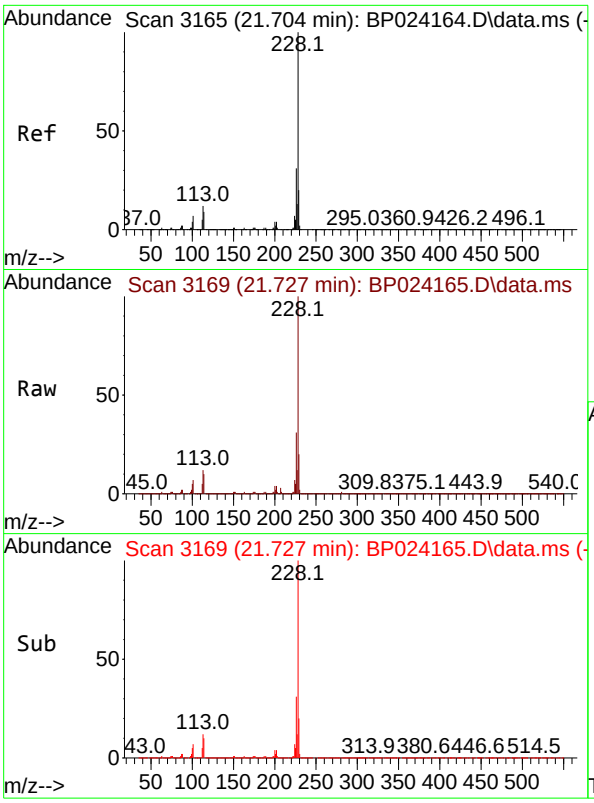




#82
3,3'-Dichlorobenzidine
Concen: 55.414 ng
RT: 21.580 min Scan# 3144
Delta R.T. 0.029 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



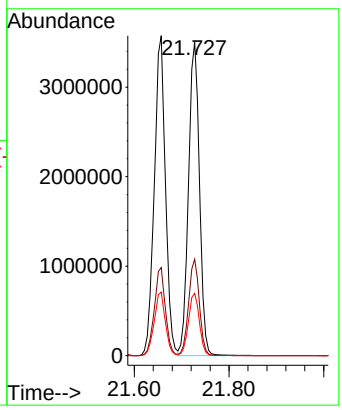


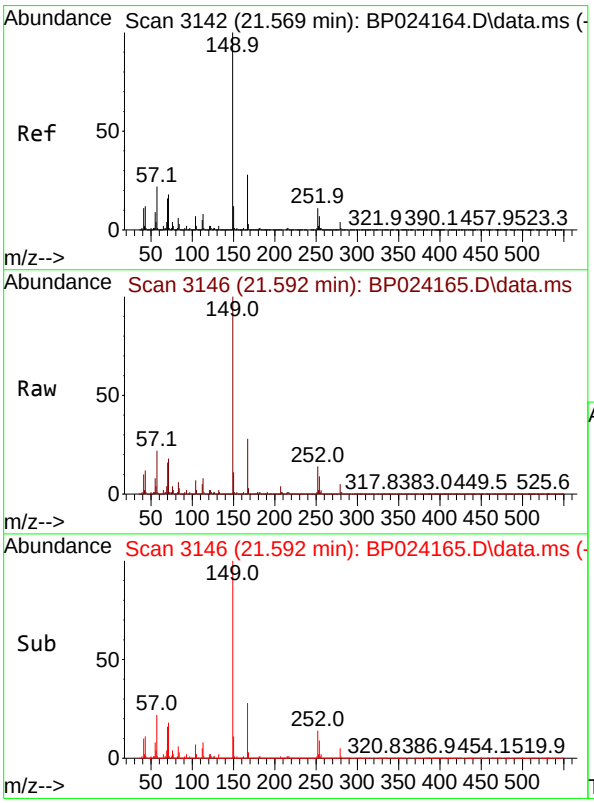

#83
Chrysene
Concen: 50.126 ng
RT: 21.727 min Scan# 31
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

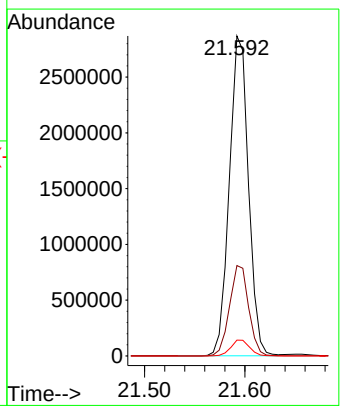


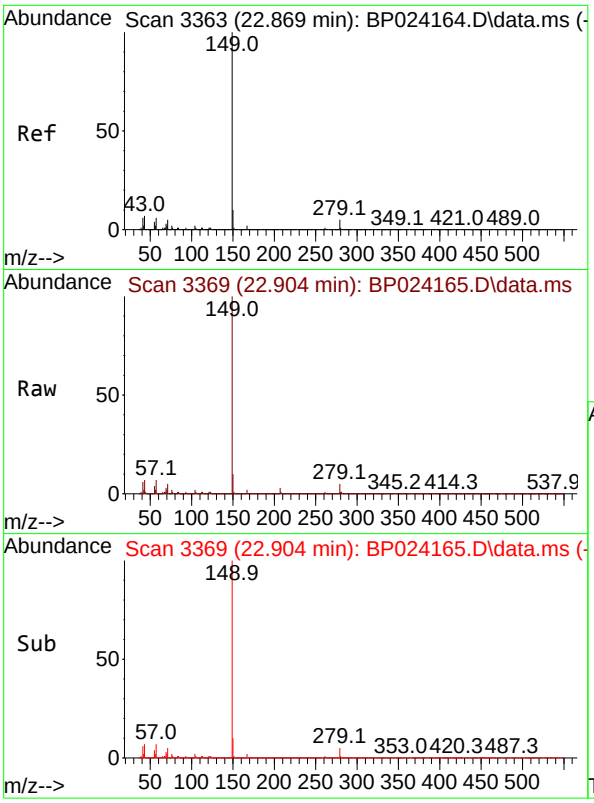




#84
Bis(2-ethylhexyl)phthalate
Concen: 55.499 ng
RT: 21.592 min Scan# 3146
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



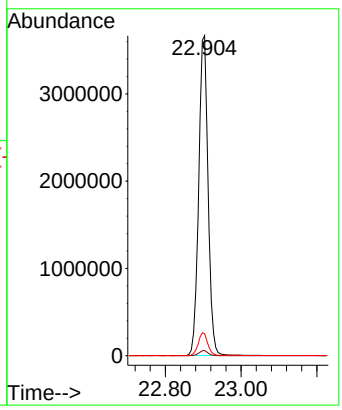


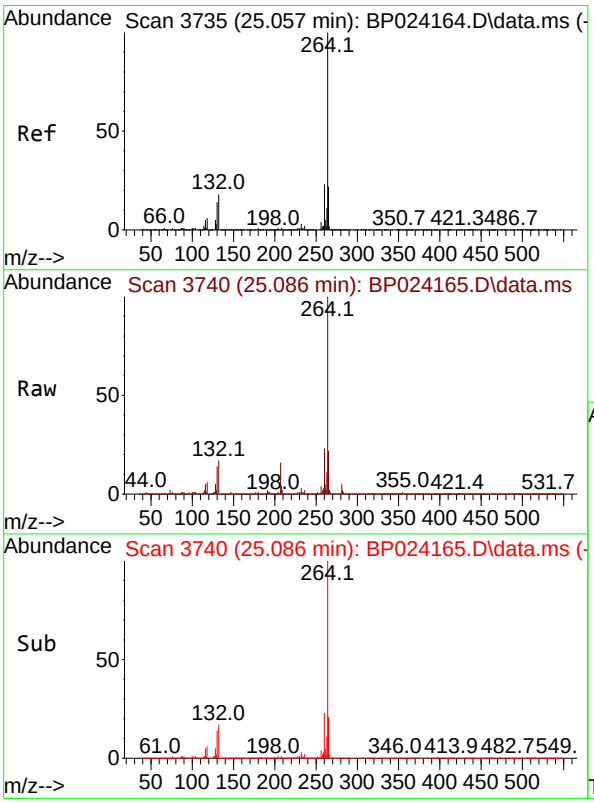

#85
Di-n-octyl phthalate
Concen: 57.516 ng
RT: 22.904 min Scan# 3
Delta R.T. 0.035 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

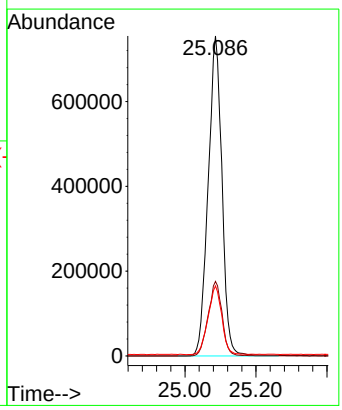


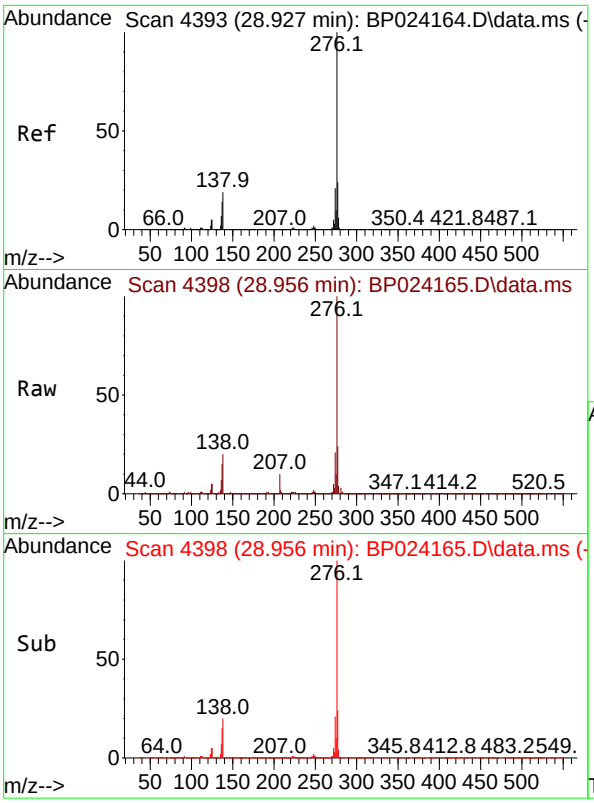




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.086 min Scan# 3740
Delta R.T. 0.029 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



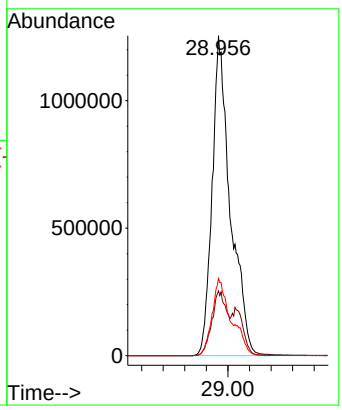


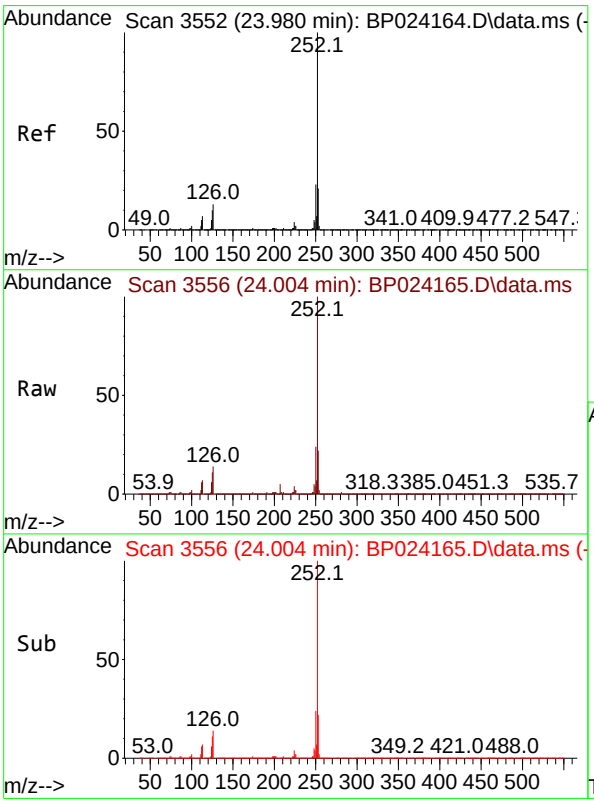

#87
Indeno(1,2,3-cd)pyrene
Concen: 50.680 ng
RT: 28.956 min Scan# 4
Delta R.T. 0.029 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

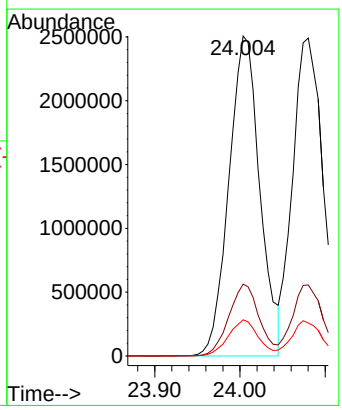


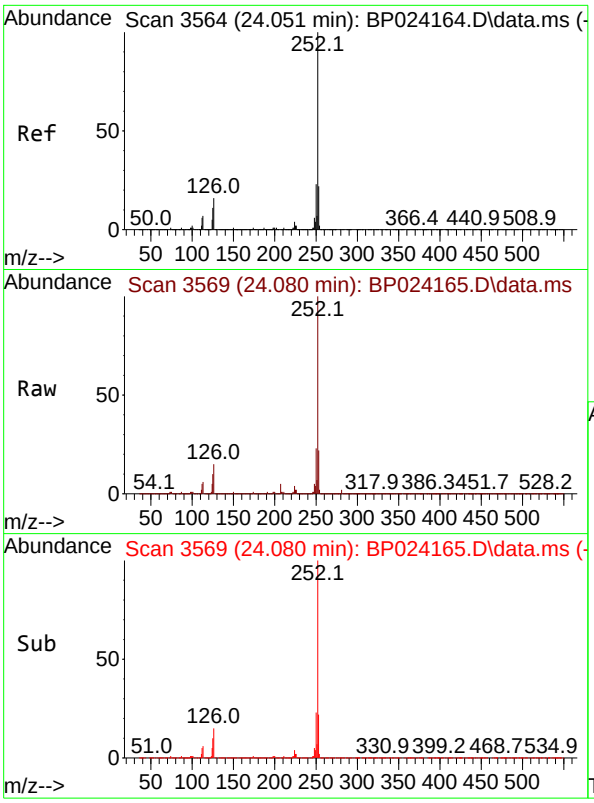




#88
Benzo(b)fluoranthene
Concen: 48.959 ng
RT: 24.004 min Scan# 3556
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



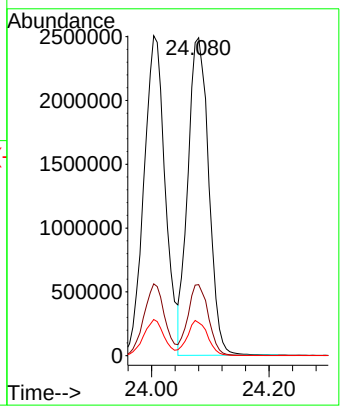


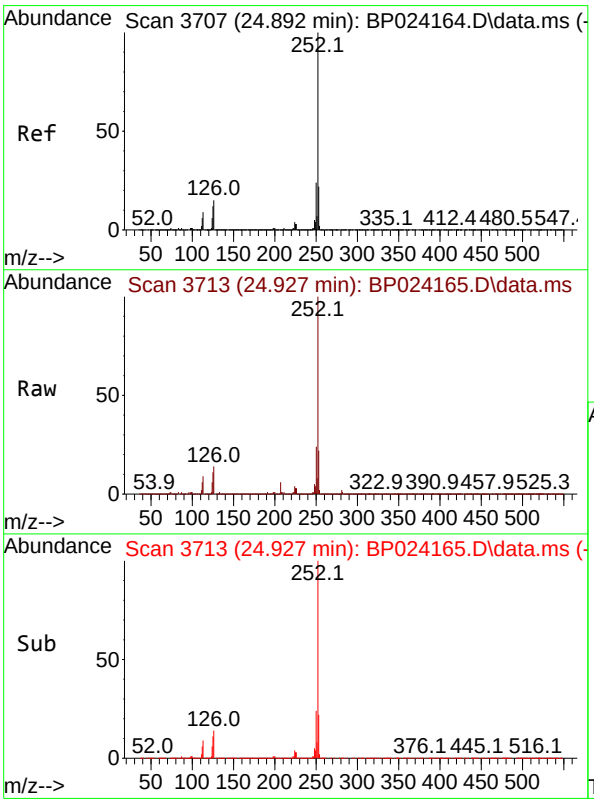

#89
Benzo(k)fluoranthene
Concen: 48.672 ng
RT: 24.080 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

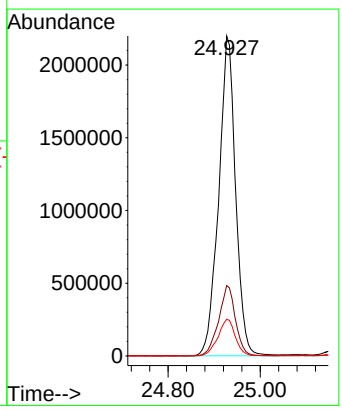


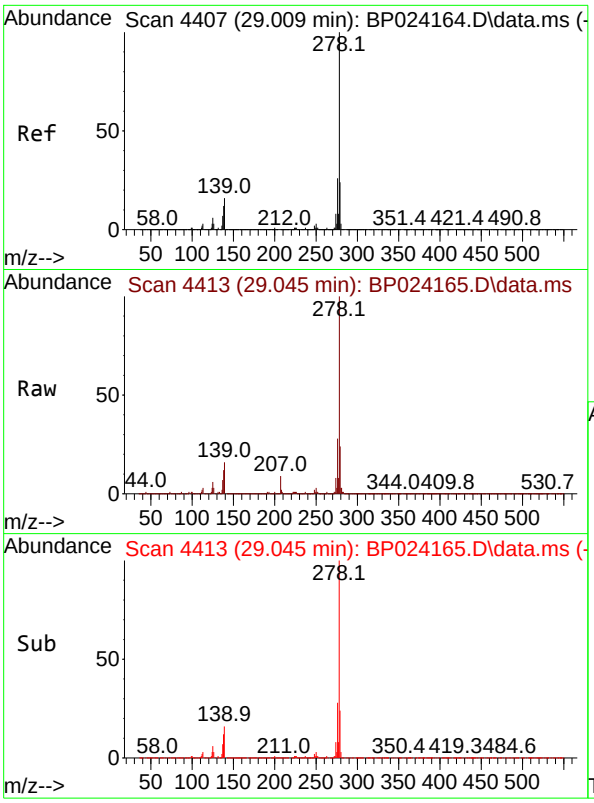




#90
Benzo(a)pyrene
Concen: 50.770 ng
RT: 24.927 min Scan# 3713
Delta R.T. 0.035 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 |



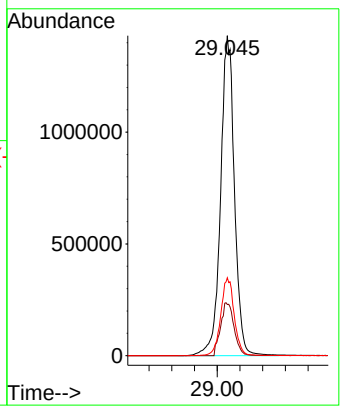


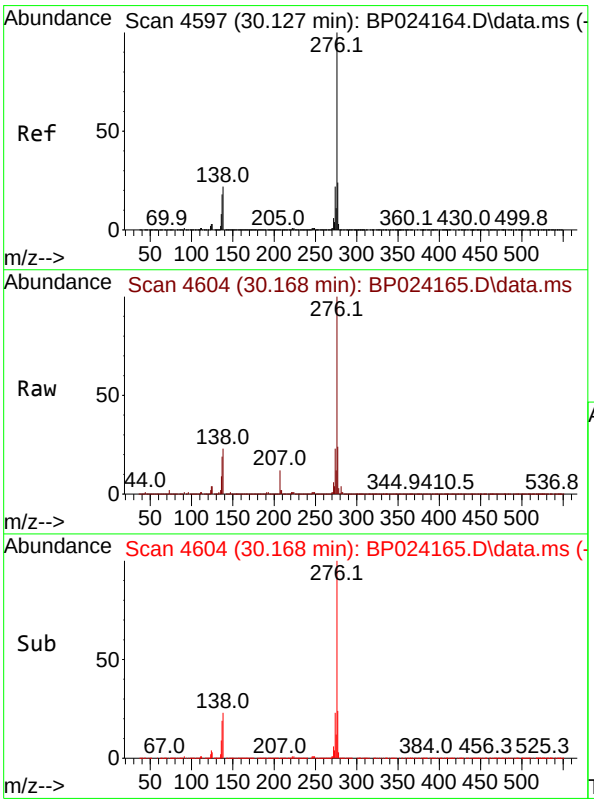

#91
Dibenzo(a,h)anthracene
Concen: 49.766 ng
RT: 29.045 min Scan# 44
Delta R.T. 0.035 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

**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 |

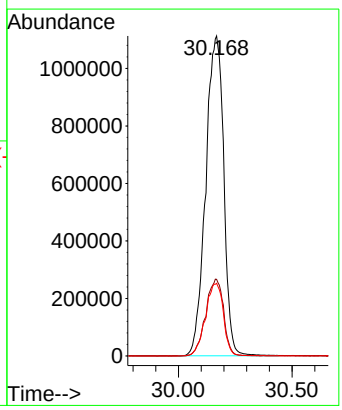



#92
Benzo(g,h,i)perylene
Concen: 49.509 ng
RT: 30.168 min Scan# 4604
Delta R.T. 0.041 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

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 (QT Reviewed)

ICAL Form

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 |

ICAL Form

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

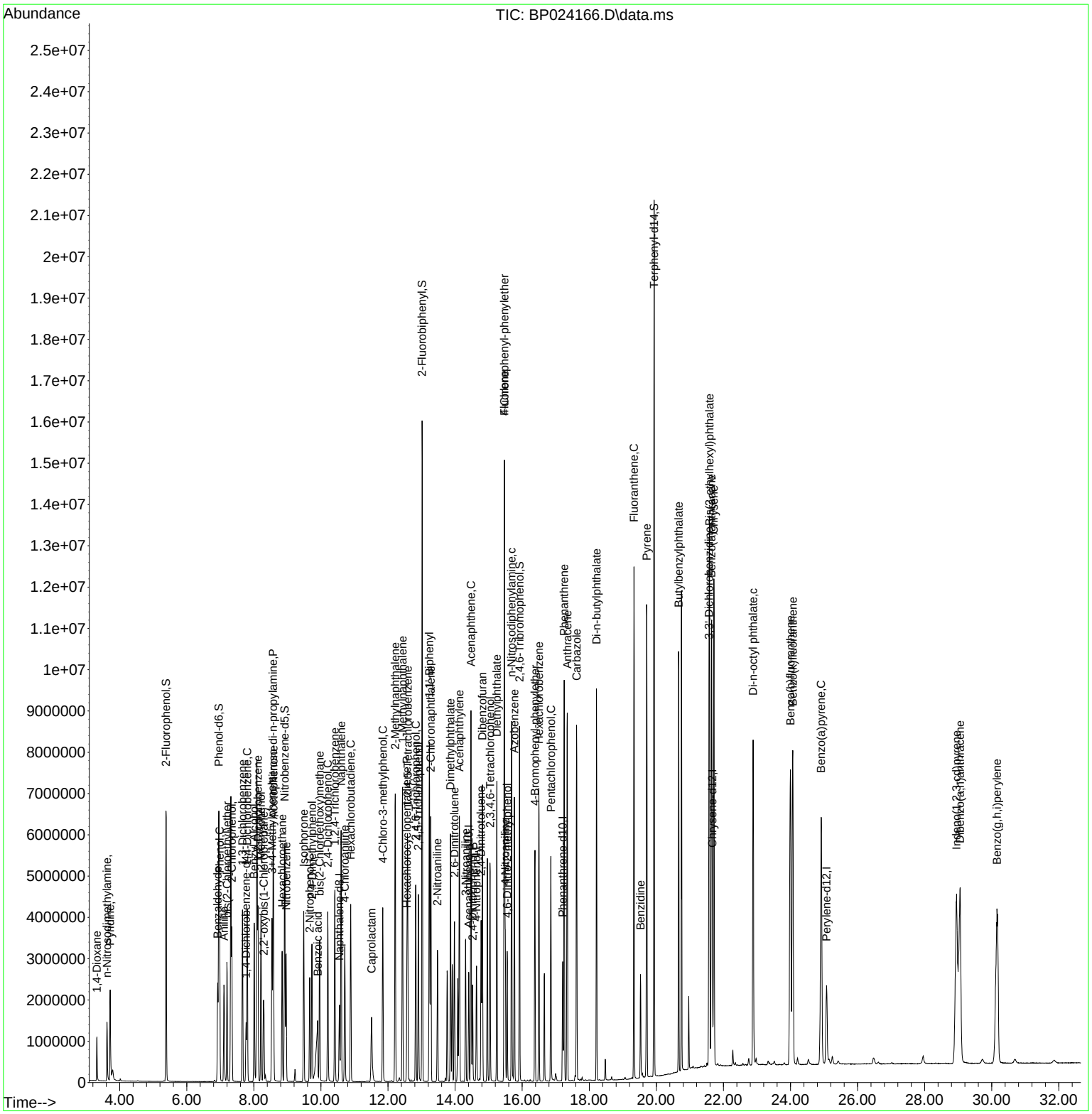
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.904 | 196 | 1233147 | 64.282 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.234 | 154 | 4312903 | 59.291 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.275 | 162 | 3269176 | 59.452 | ng | 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 |

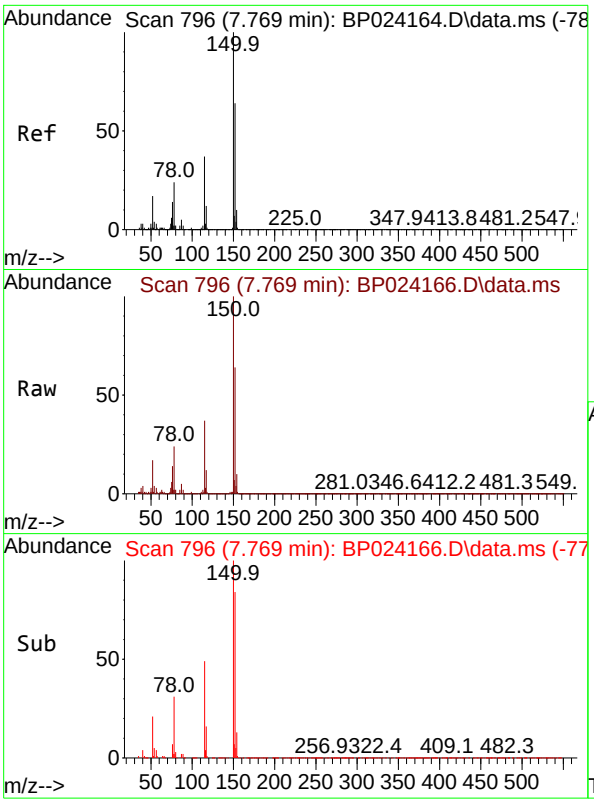
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



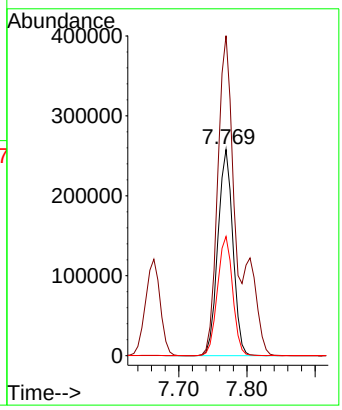


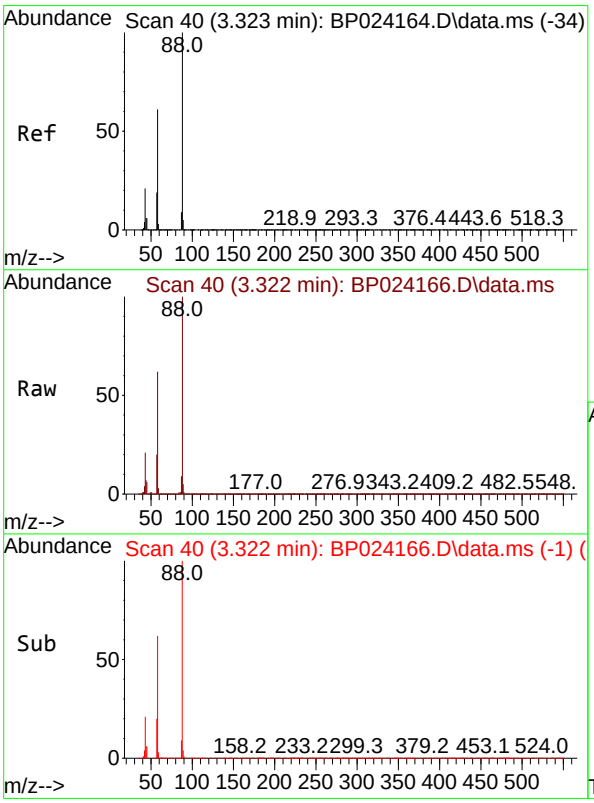

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

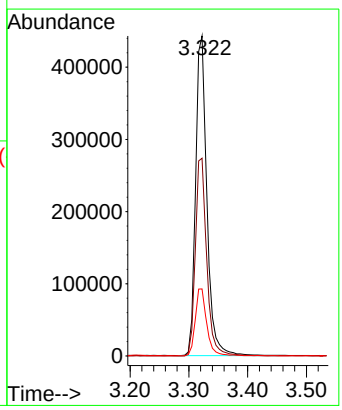


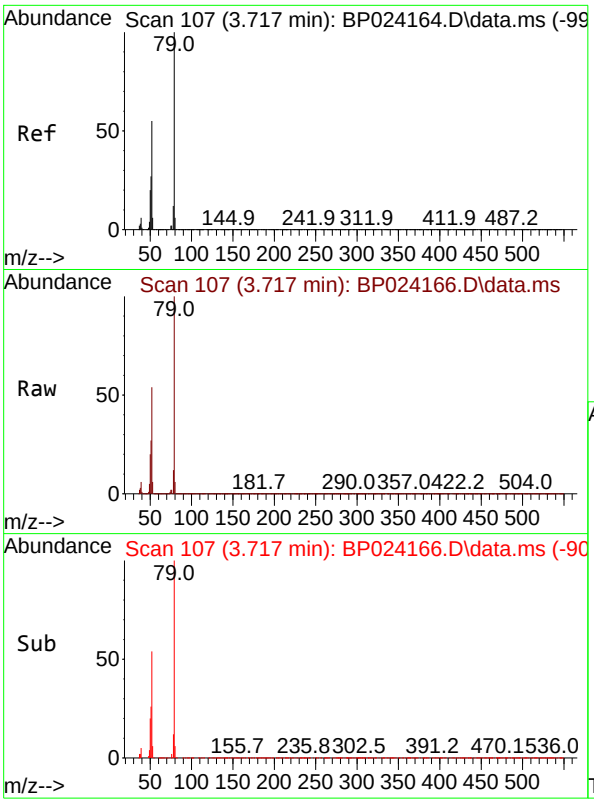




#2
1,4-Dioxane
Concen: 59.385 ng
RT: 3.322 min Scan# 40
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



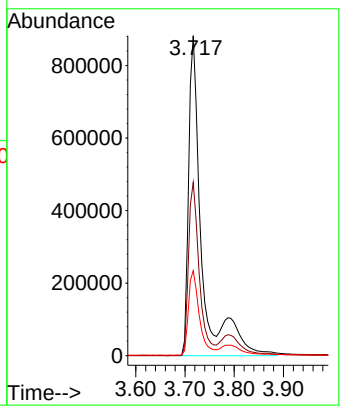


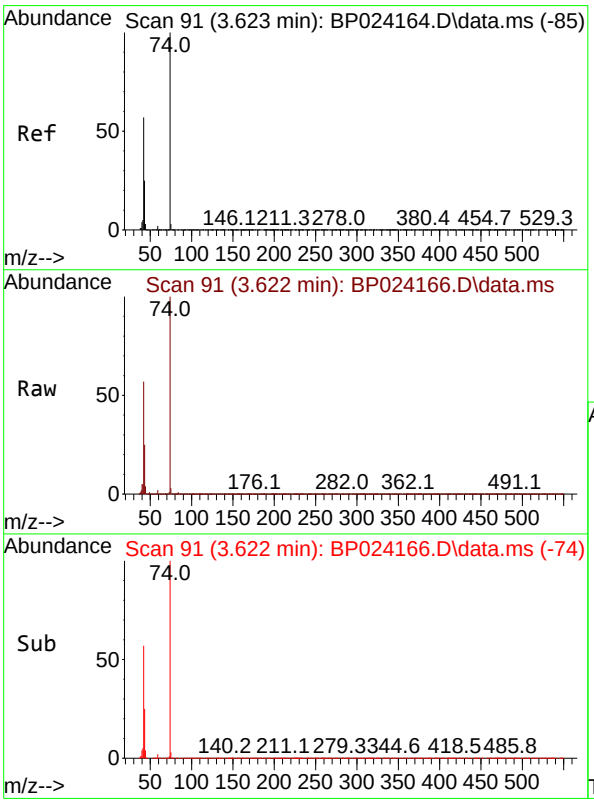

#3
Pyridine
Concen: 64.153 ng m
RT: 3.717 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

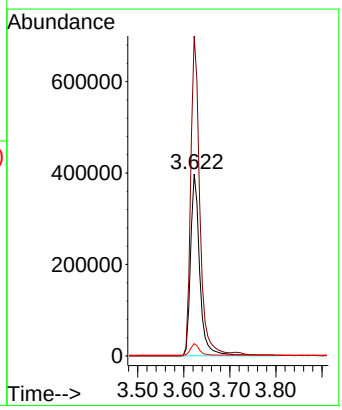


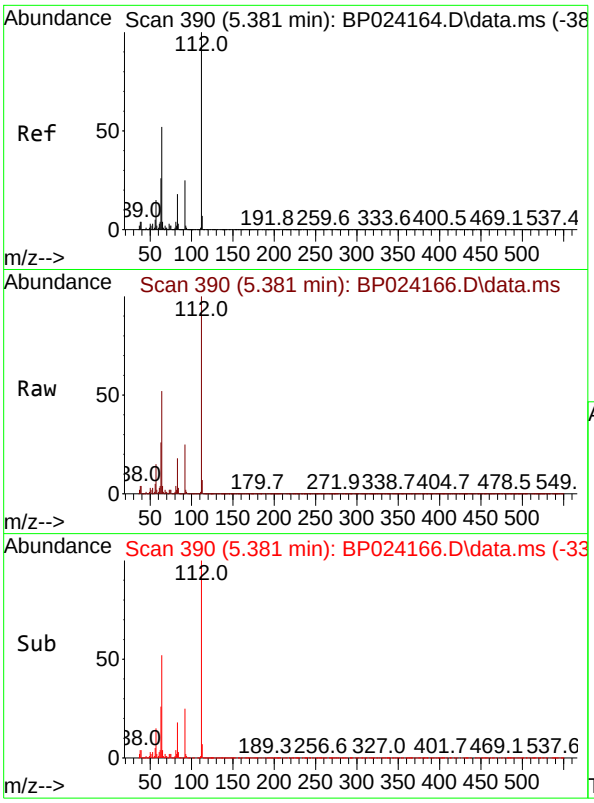




#4
n-Nitrosodimethylamine
Concen: 60.270 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



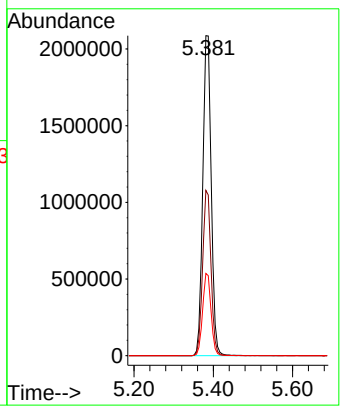


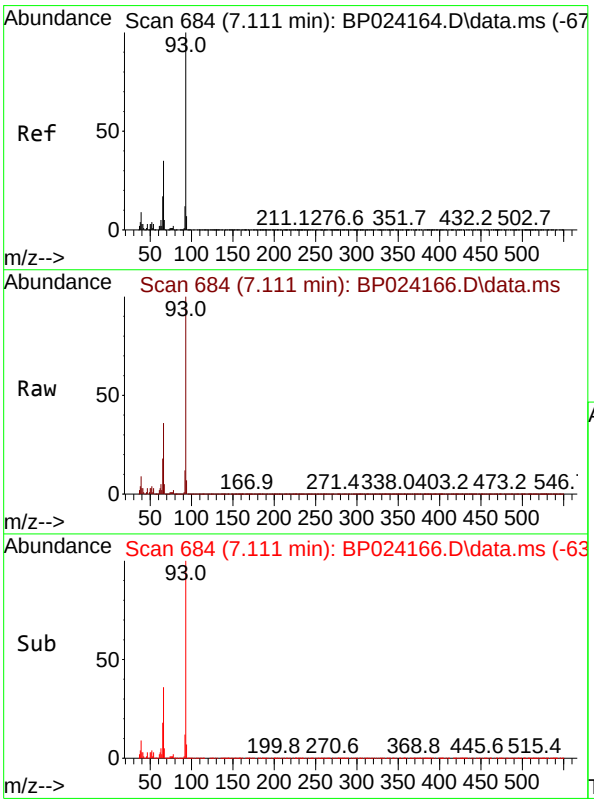

#5
2-Fluorophenol
Concen: 122.332 ng
RT: 5.381 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

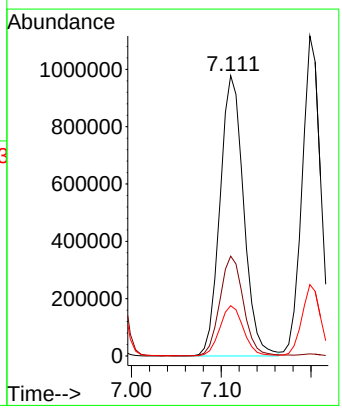


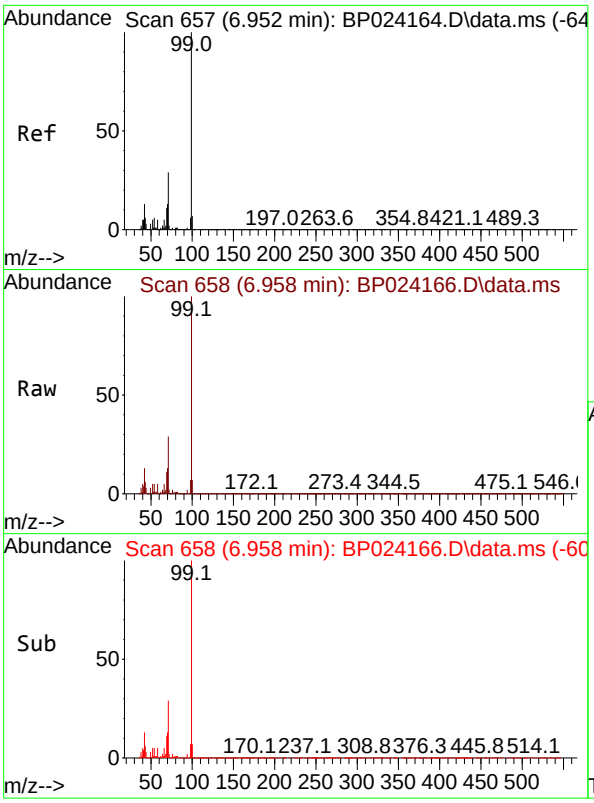




#6
Aniline
Concen: 60.115 ng
RT: 7.111 min Scan# 684
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



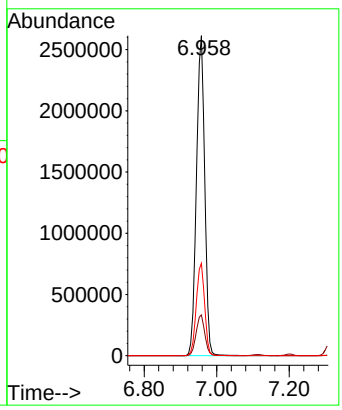


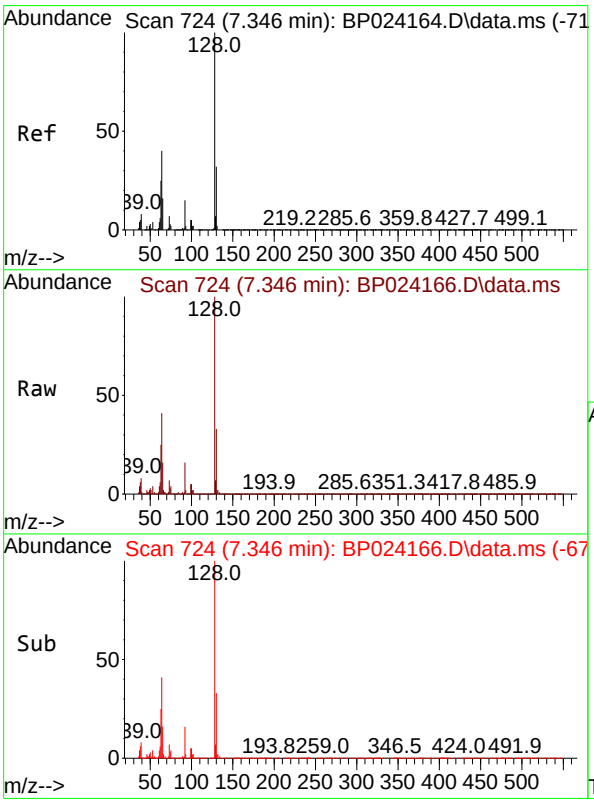

#7
Phenol-d6
Concen: 127.785 ng
RT: 6.958 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

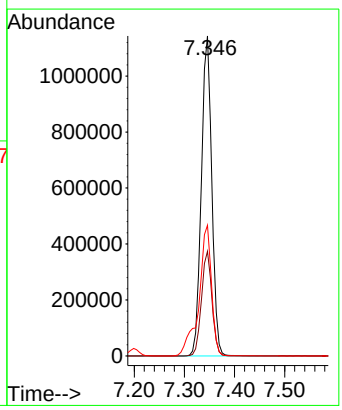


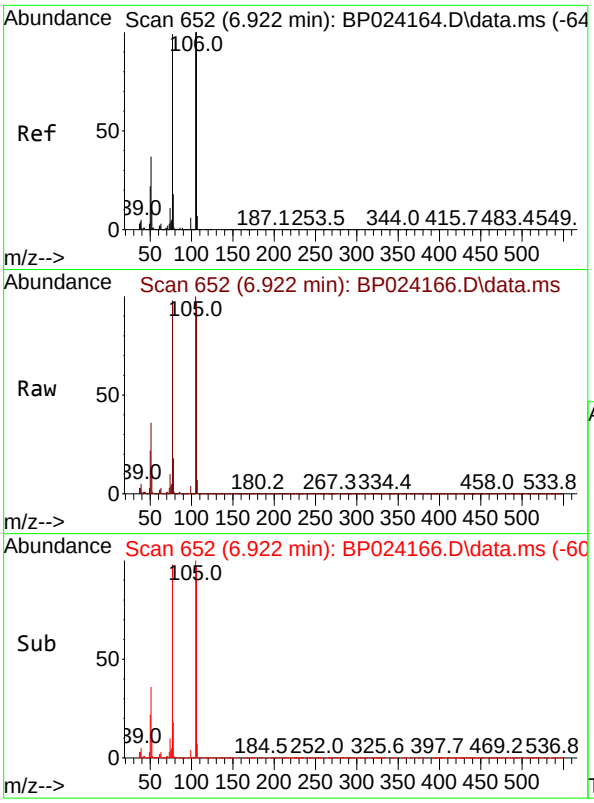




#8
2-Chlorophenol
Concen: 61.919 ng
RT: 7.346 min Scan# 724
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



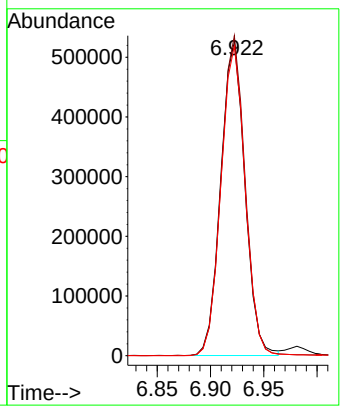


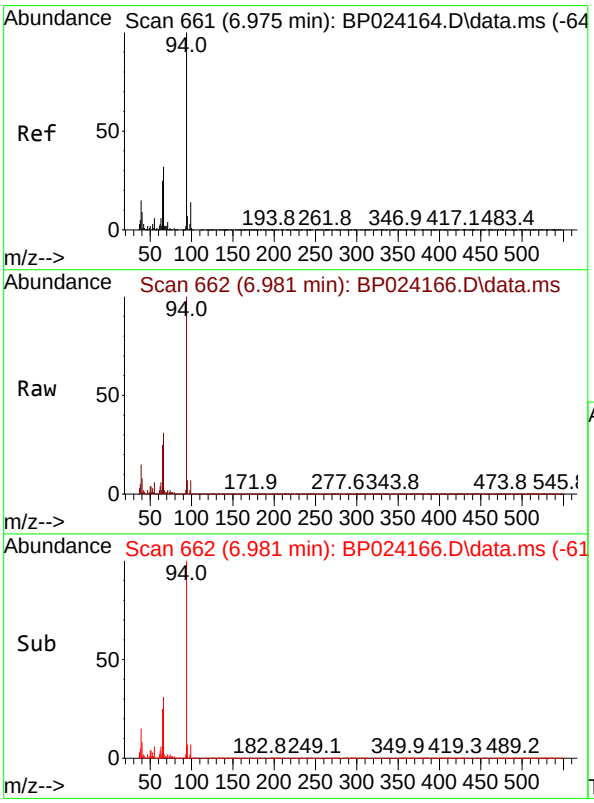

#9
Benzaldehyde
Concen: 55.995 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

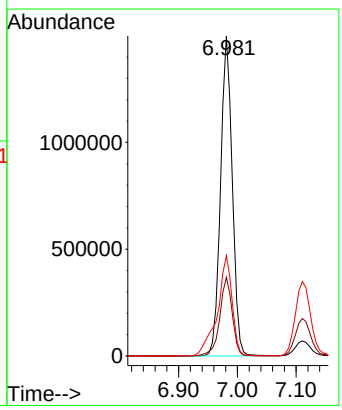


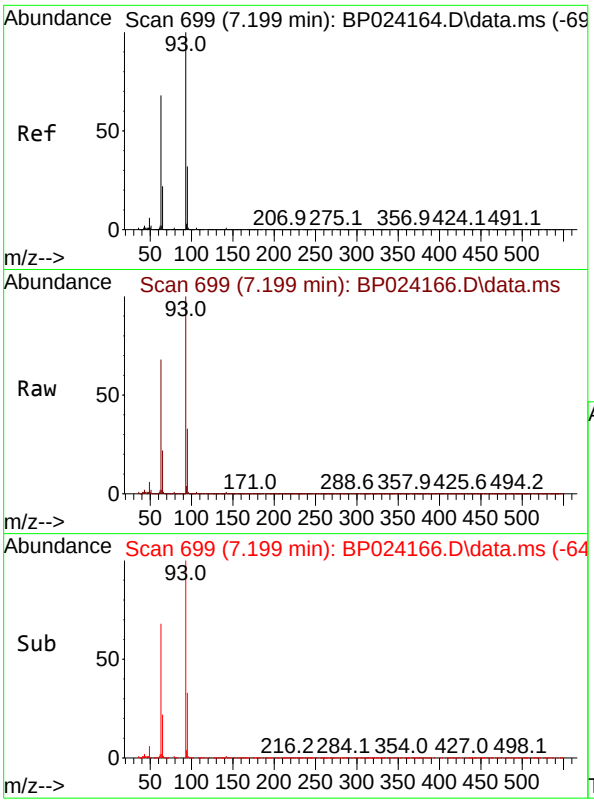




#10
Phenol
Concen: 63.448 ng
RT: 6.981 min Scan# 662
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



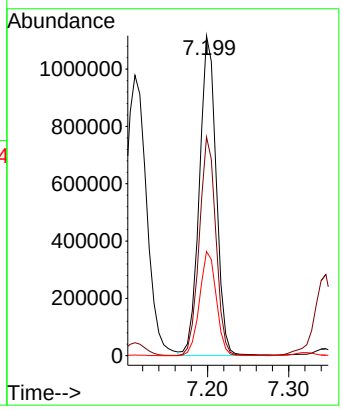


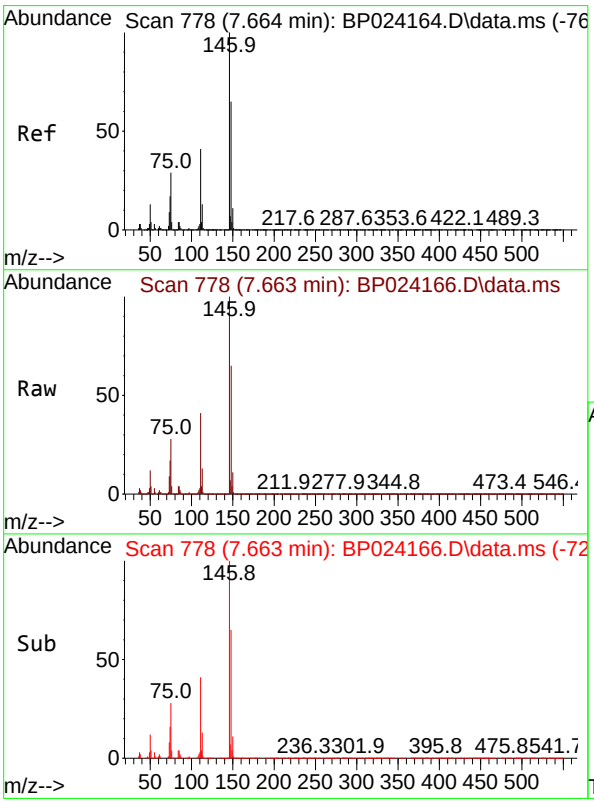

#11
bis(2-Chloroethyl)ether
Concen: 62.425 ng
RT: 7.199 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

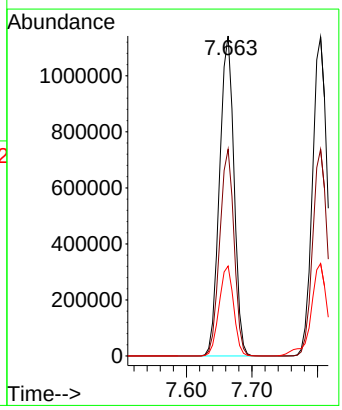


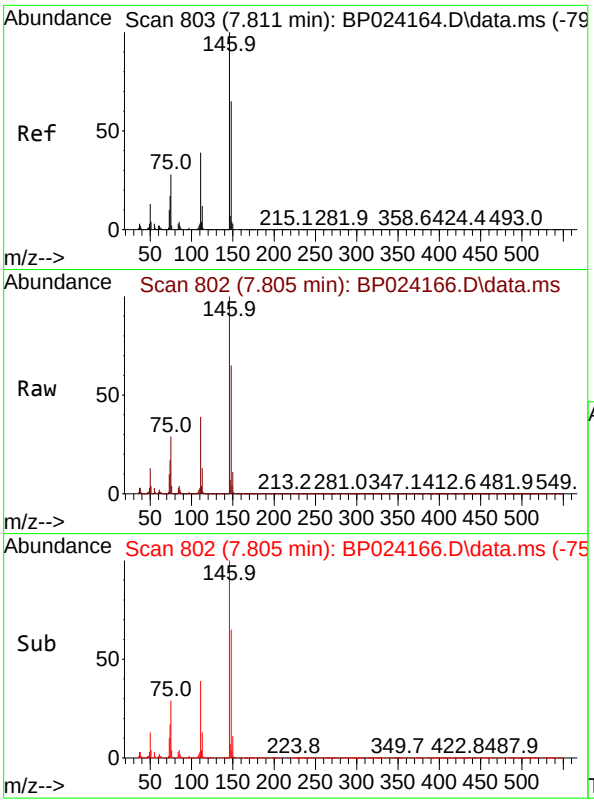




#12
1,3-Dichlorobenzene
Concen: 59.234 ng
RT: 7.663 min Scan# 778
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



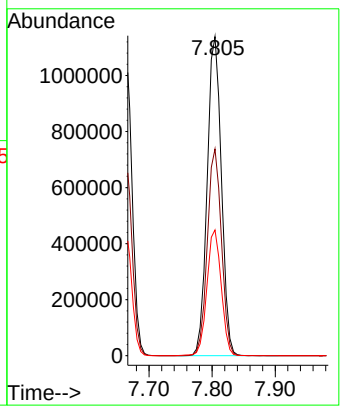


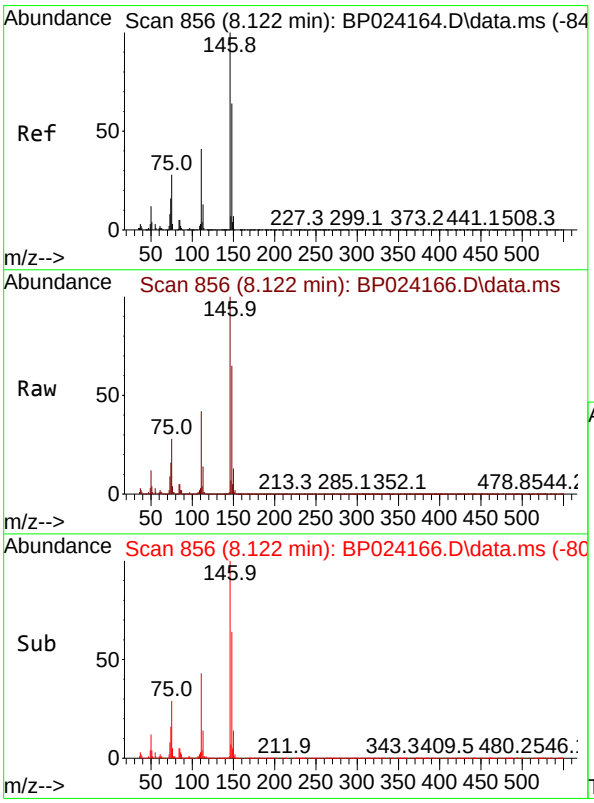

#13
1,4-Dichlorobenzene
Concen: 59.836 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

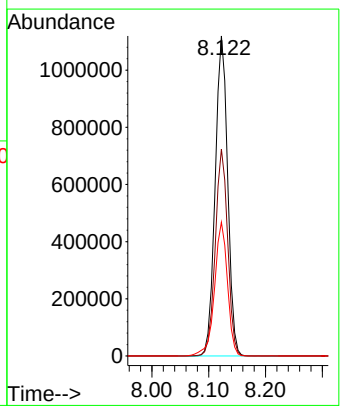


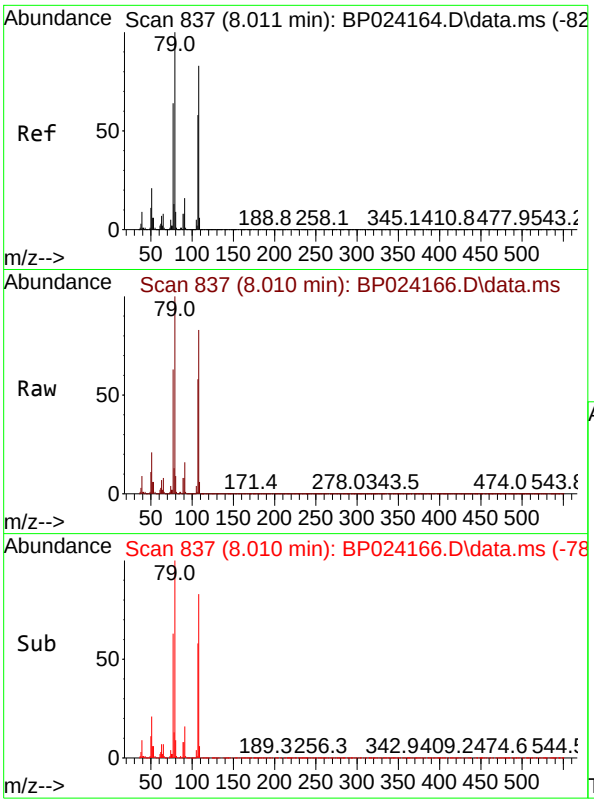




#14
1,2-Dichlorobenzene
Concen: 59.737 ng
RT: 8.122 min Scan# 856
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



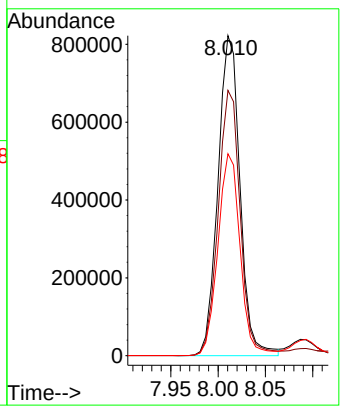


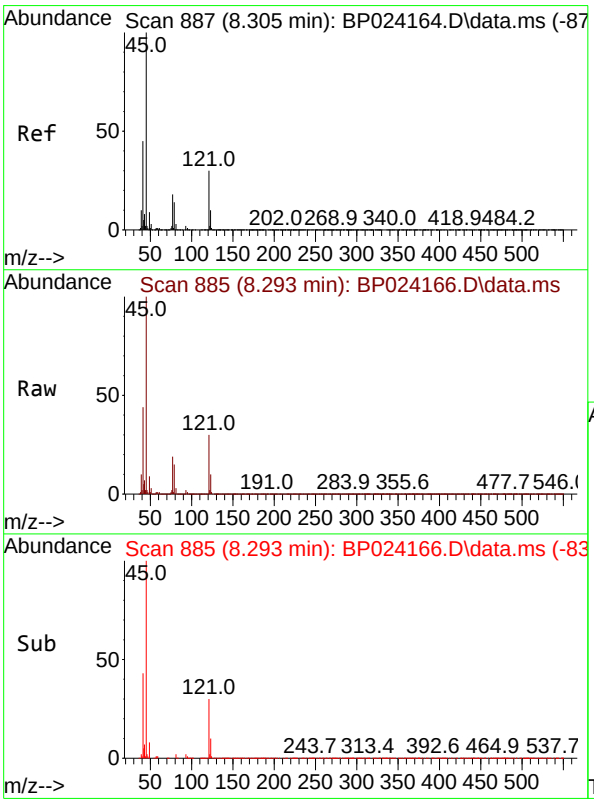

#15
Benzyl Alcohol
Concen: 67.021 ng
RT: 8.010 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

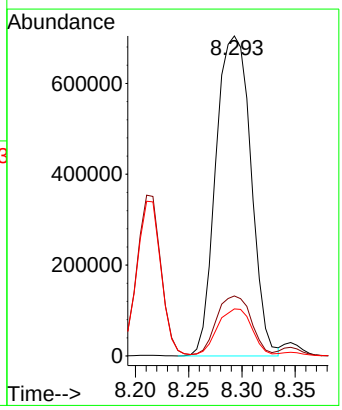


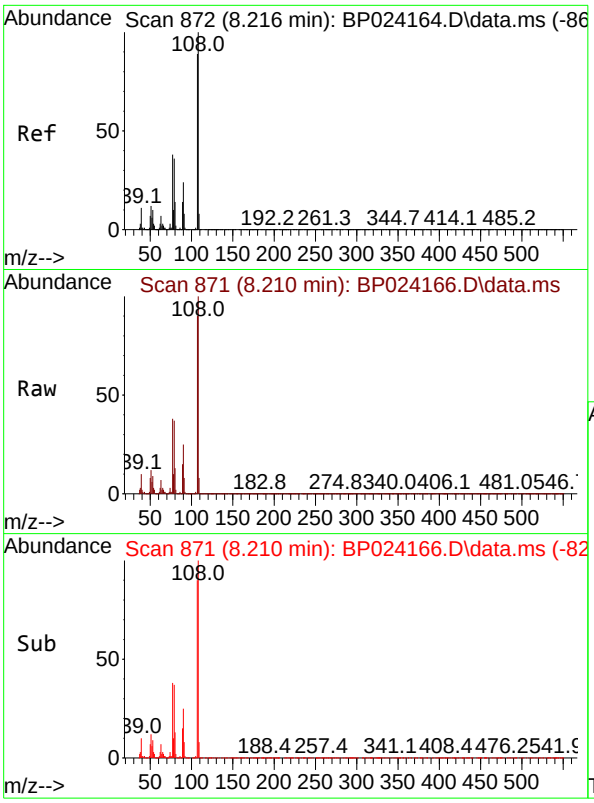




#16
2,2'-oxybis(1-Chloropropane)
Concen: 64.502 ng
RT: 8.293 min Scan# 885
Delta R.T. -0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



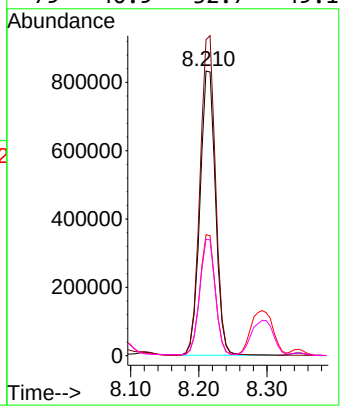


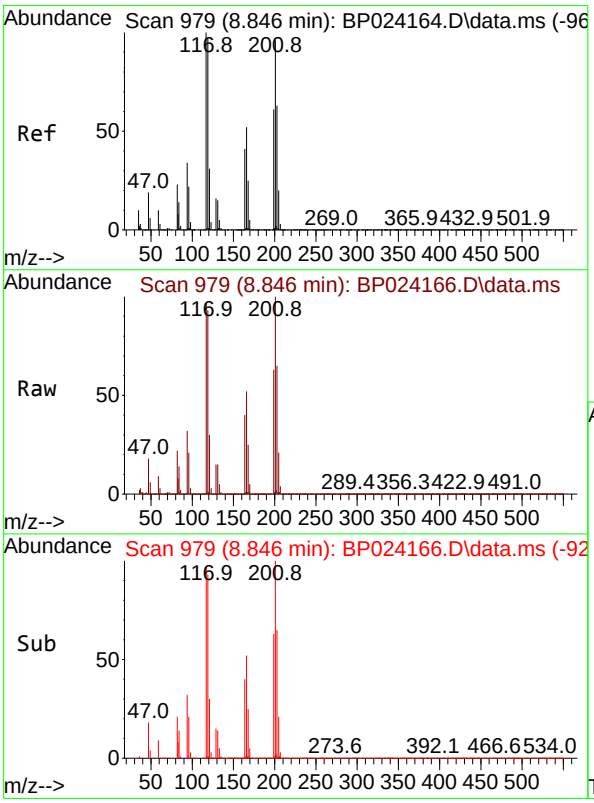

#17
2-Methylphenol
Concen: 66.132 ng
RT: 8.210 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

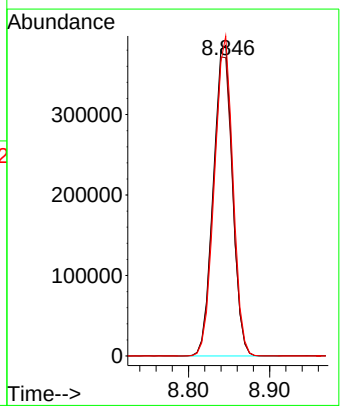


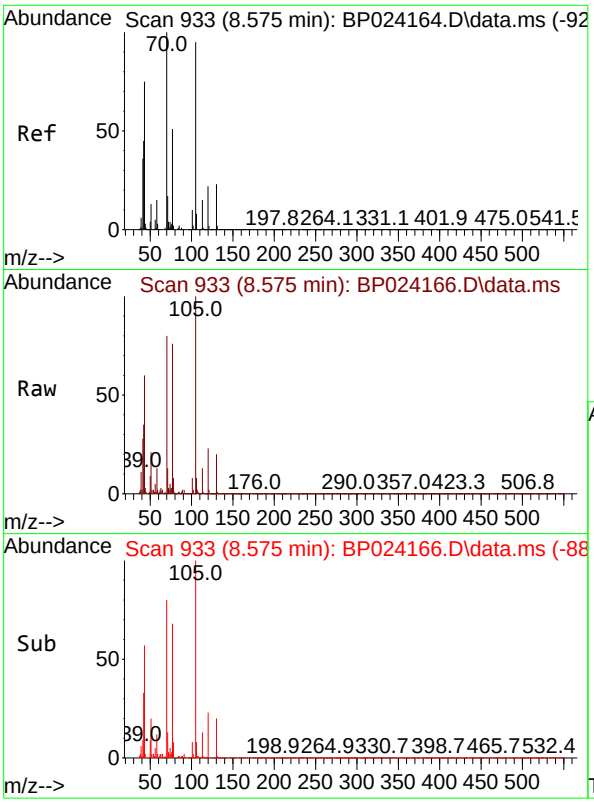




#18
Hexachloroethane
Concen: 59.498 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



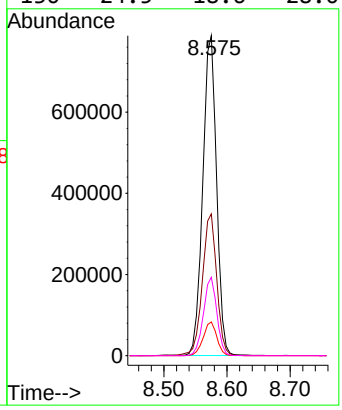


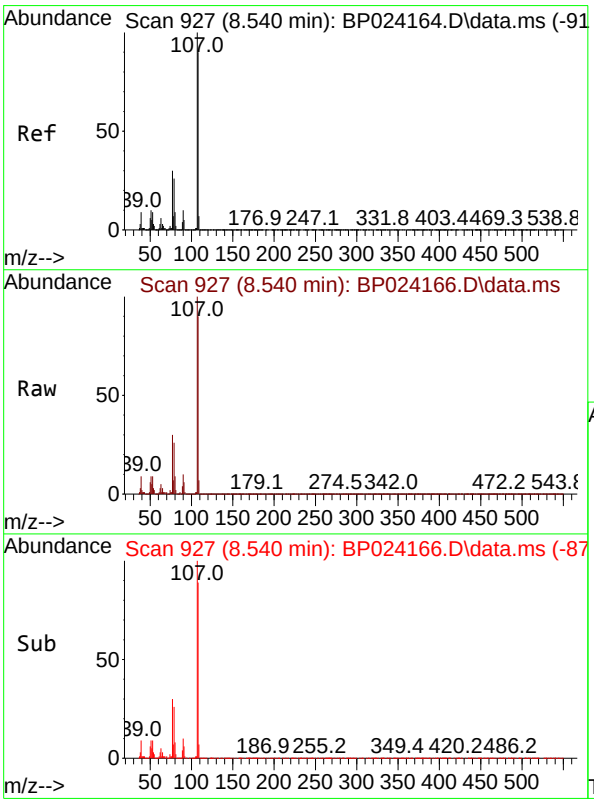

#19
n-Nitroso-di-n-propylamine
Concen: 68.227 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

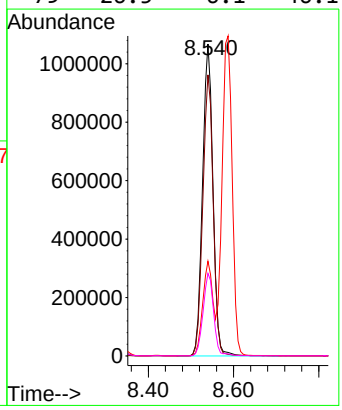


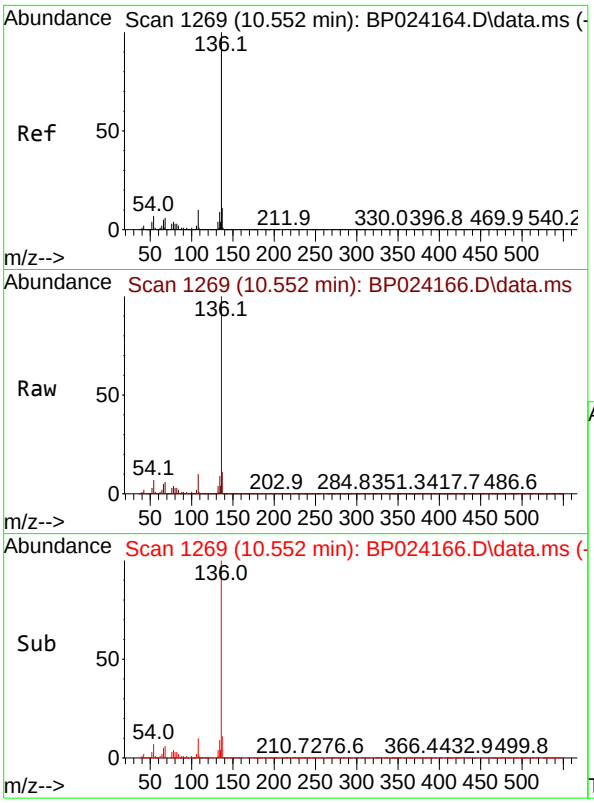




#20
3+4-Methylphenols
Concen: 66.838 ng
RT: 8.540 min Scan# 927
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



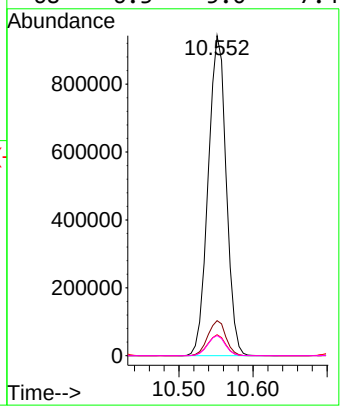


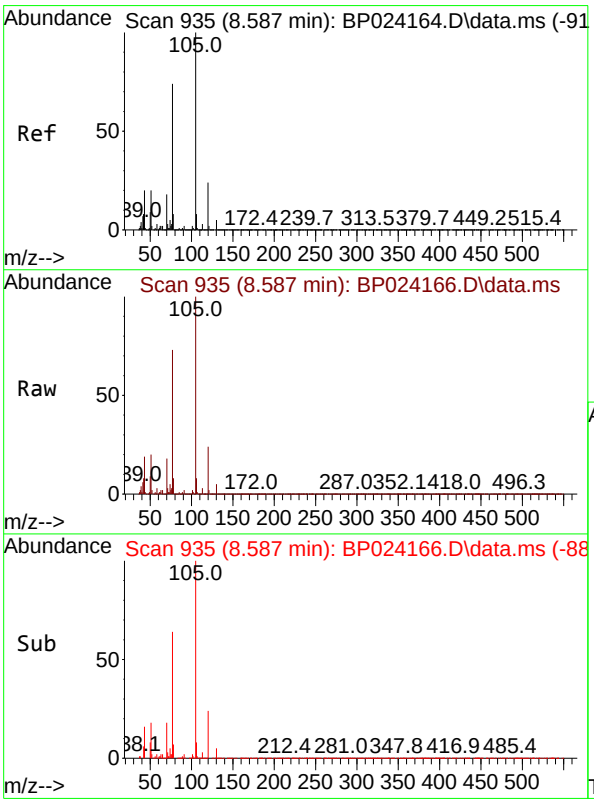

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.552 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

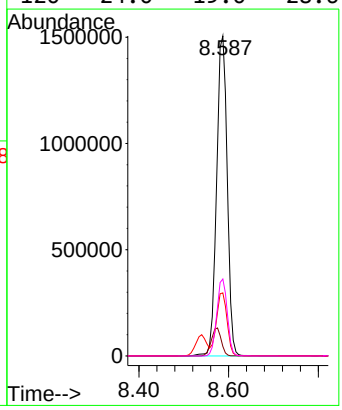


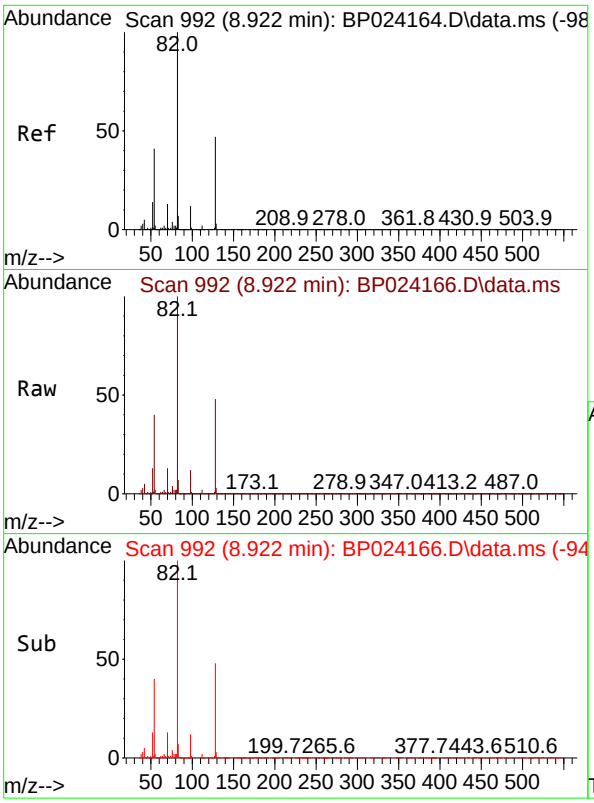




#22
Acetophenone
Concen: 60.600 ng
RT: 8.587 min Scan# 935
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



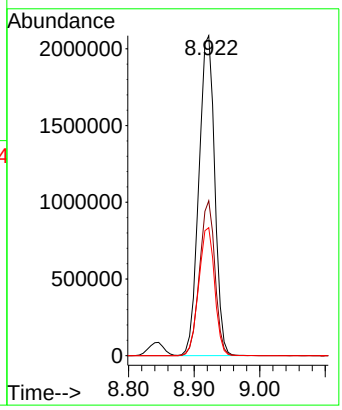


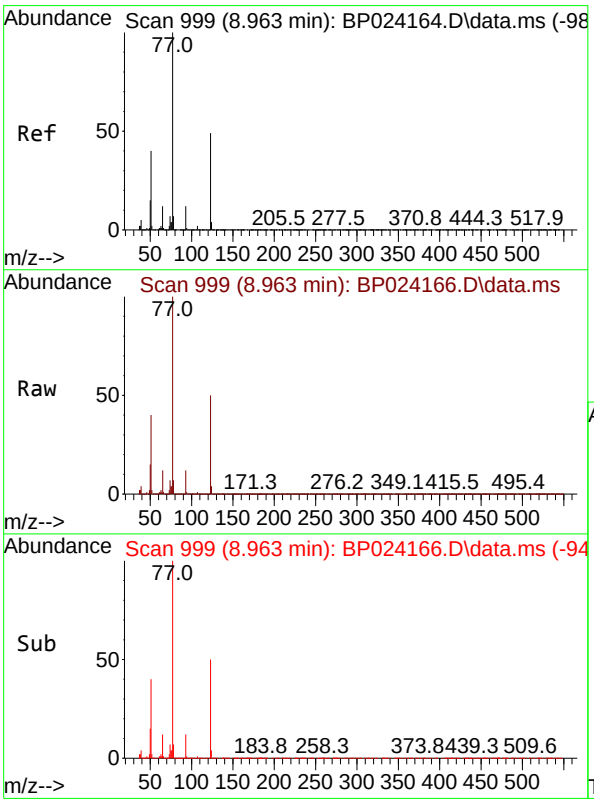

#23
Nitrobenzene-d5
Concen: 123.247 ng
RT: 8.922 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

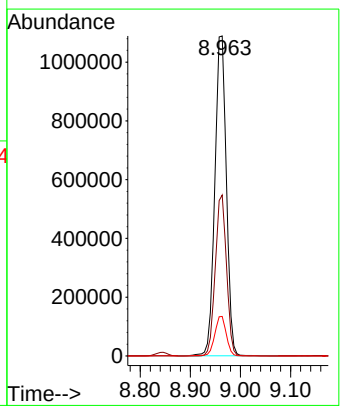


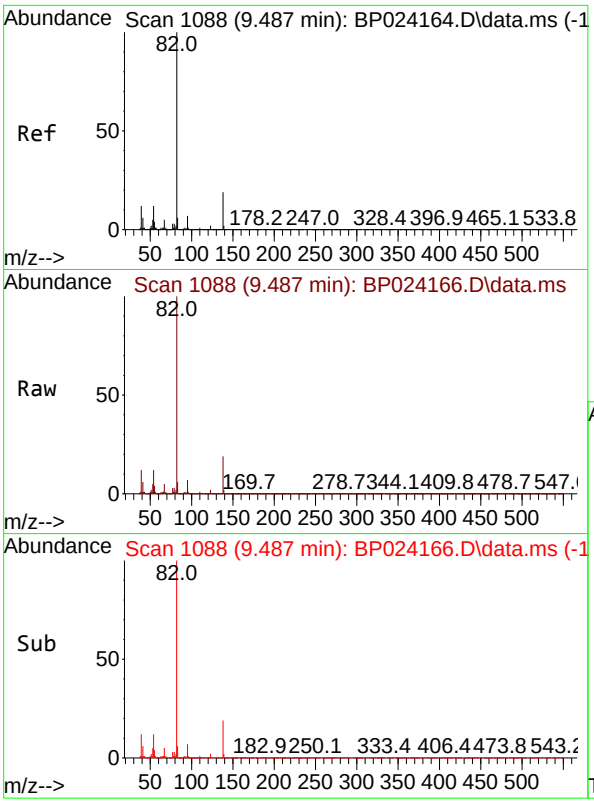




#24
Nitrobenzene
Concen: 61.673 ng
RT: 8.963 min Scan# 999
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



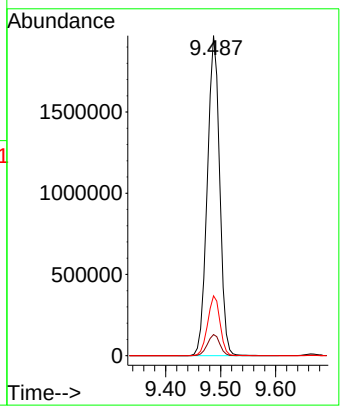


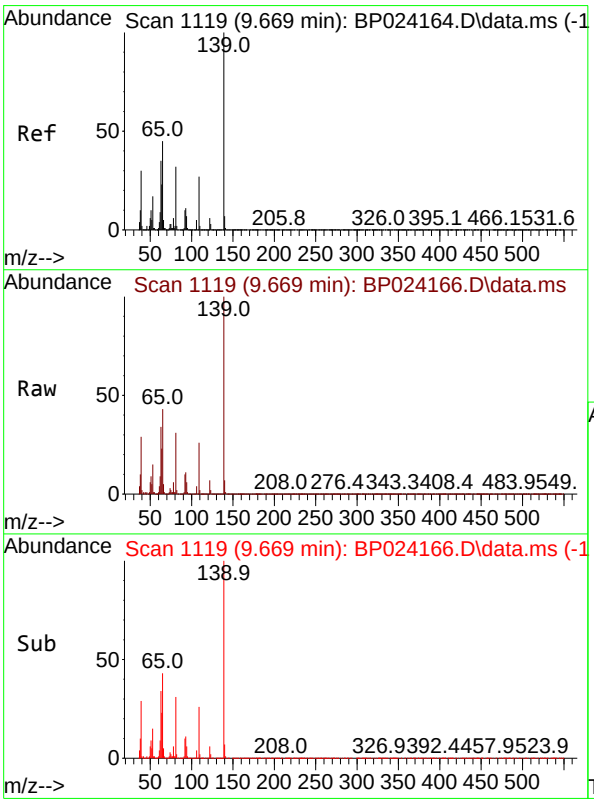

#25
Isophorone
Concen: 65.658 ng
RT: 9.487 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

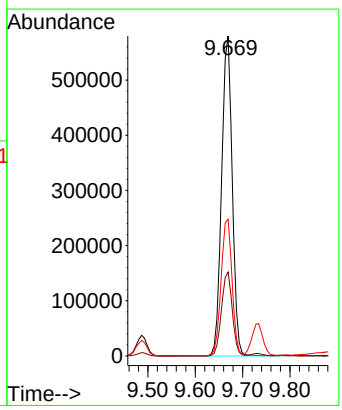


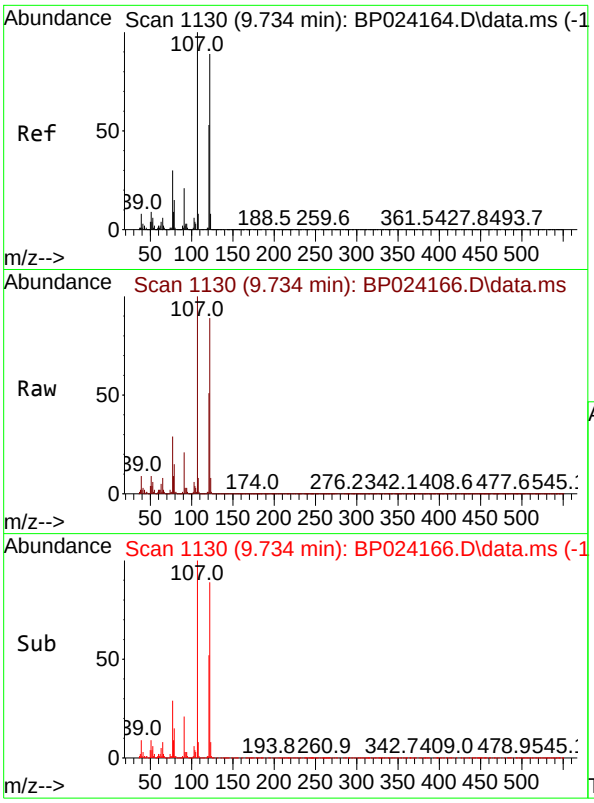




#26
2-Nitrophenol
Concen: 69.941 ng
RT: 9.669 min Scan# 1119
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



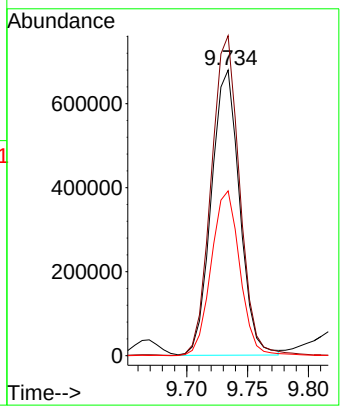


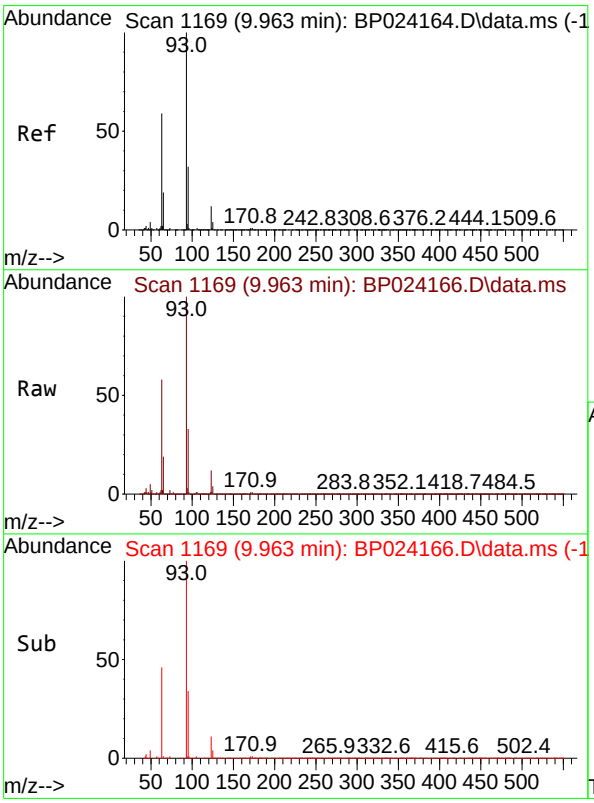

#27
2,4-Dimethylphenol
Concen: 64.534 ng
RT: 9.734 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

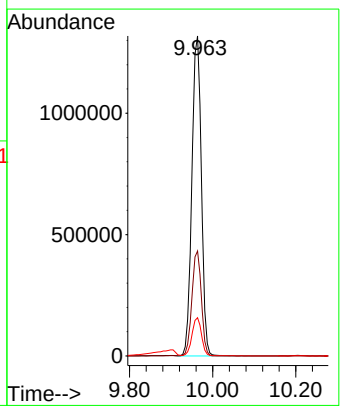


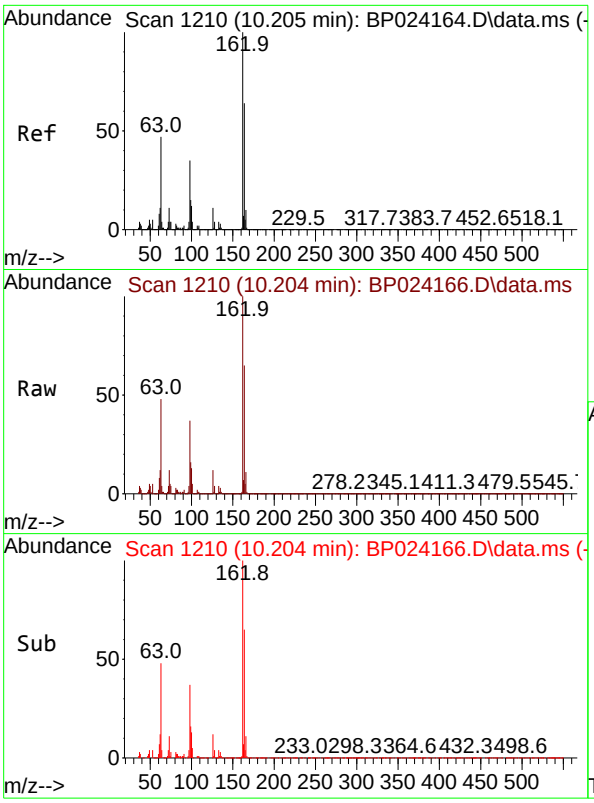




#28
bis(2-Chloroethoxy)methane
Concen: 61.742 ng
RT: 9.963 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



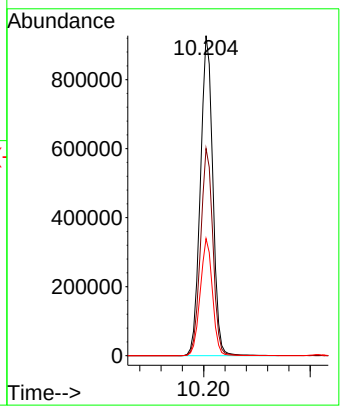


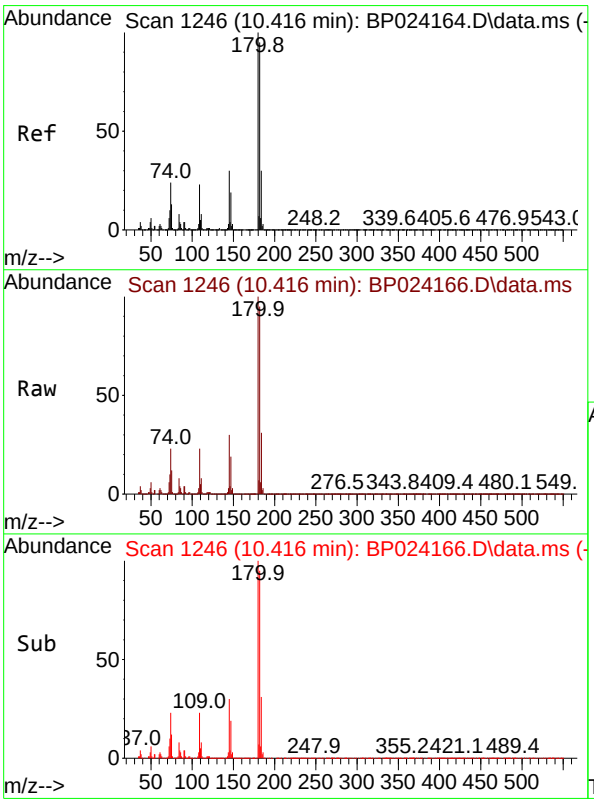

#29
2,4-Dichlorophenol
Concen: 64.609 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

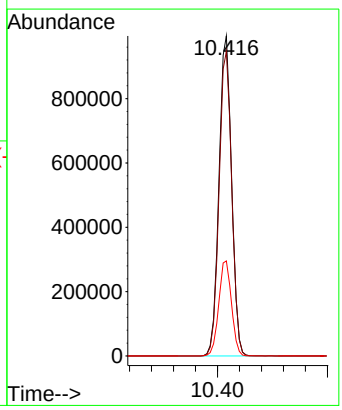


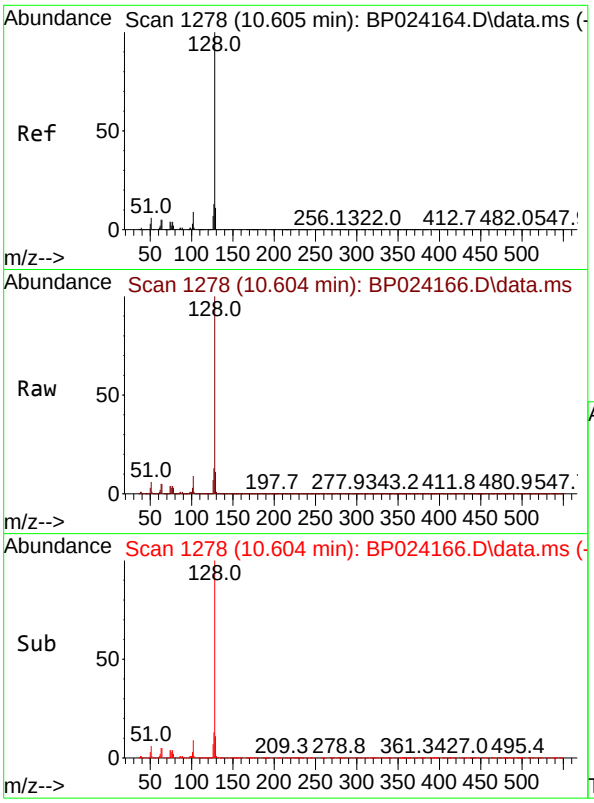




#30
1,2,4-Trichlorobenzene
Concen: 59.453 ng
RT: 10.416 min Scan# 1246
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



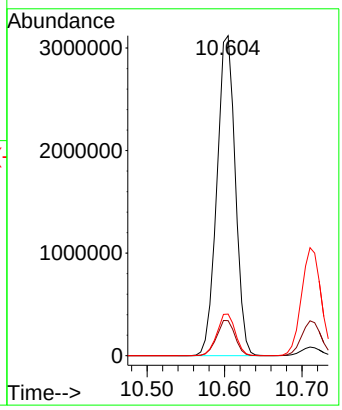


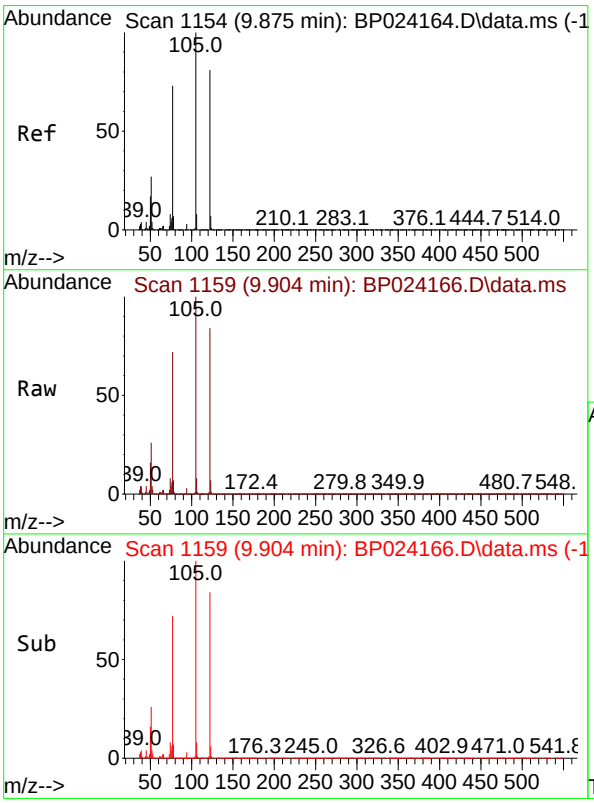

#31
Naphthalene
Concen: 60.129 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

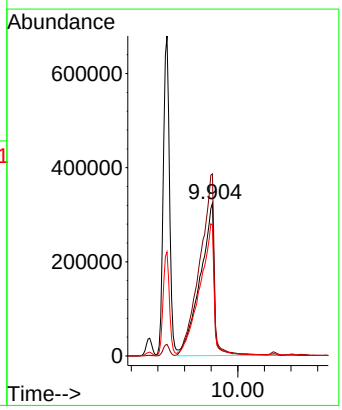


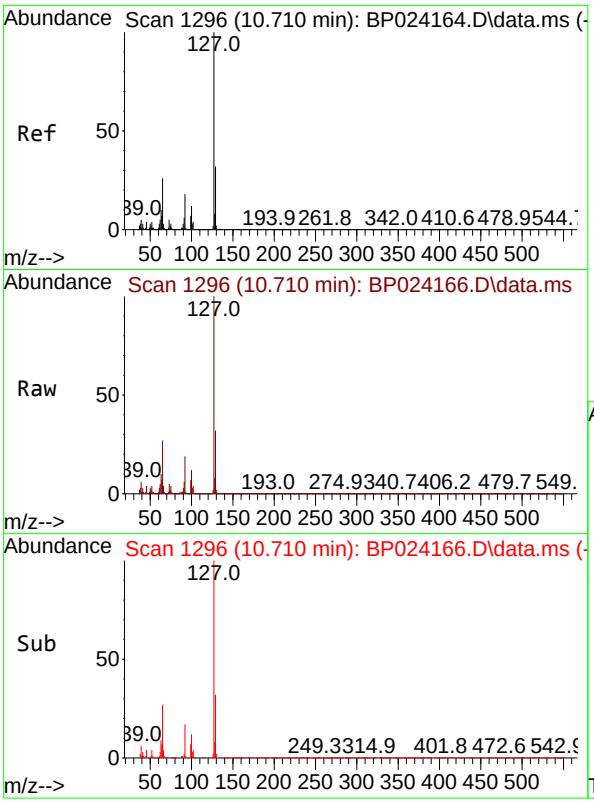




#32
Benzoic acid
Concen: 77.325 ng
RT: 9.904 min Scan# 1159
Delta R.T. 0.029 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



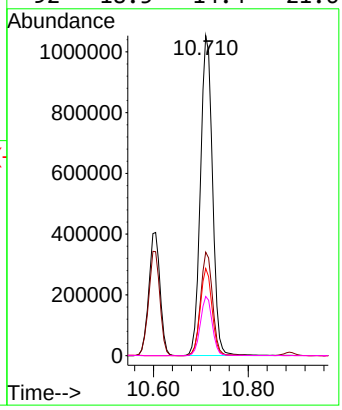


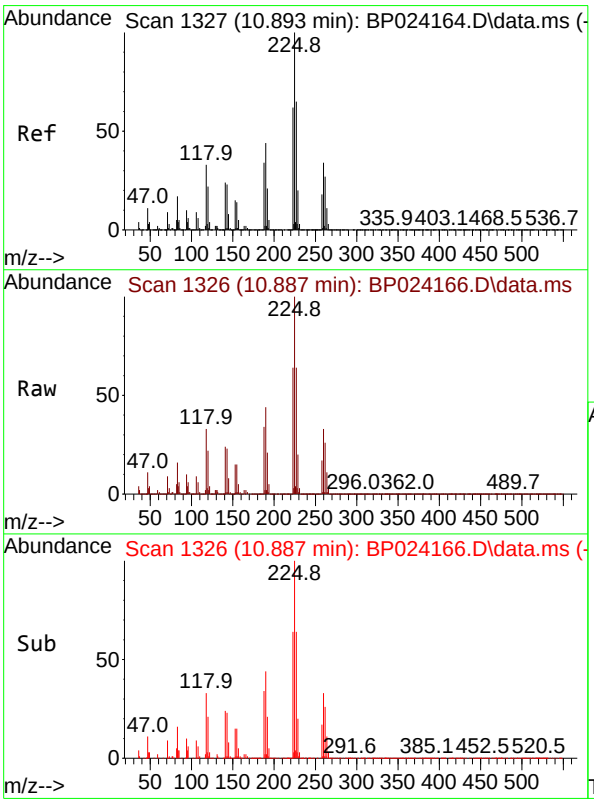

#33
4-Chloroaniline
Concen: 61.665 ng
RT: 10.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

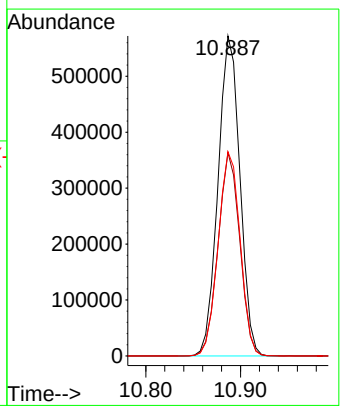


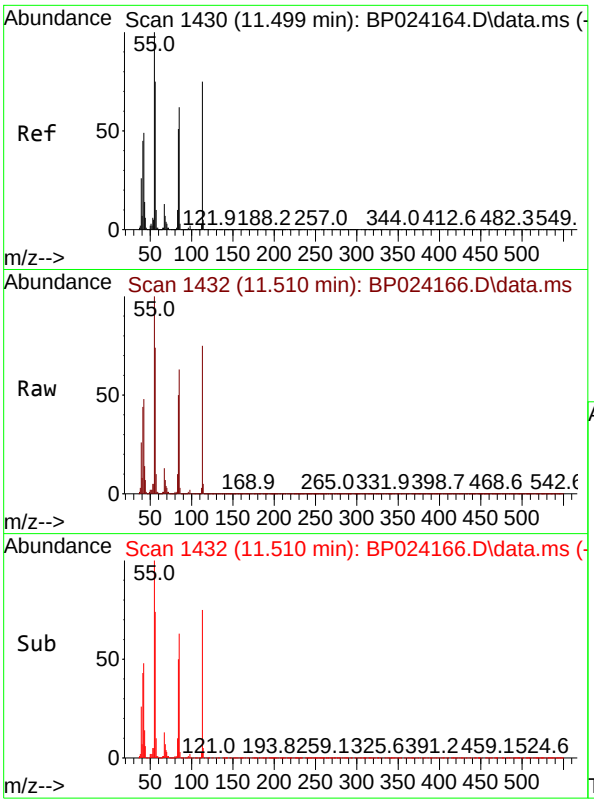




#34
Hexachlorobutadiene
Concen: 59.699 ng
RT: 10.887 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



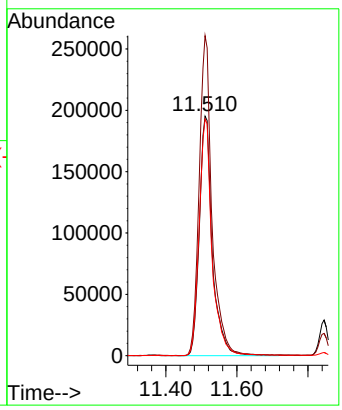


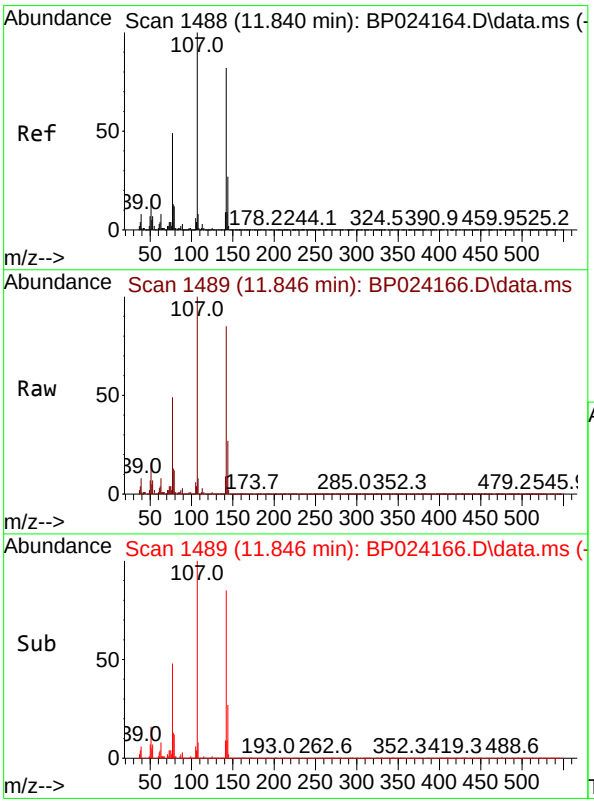

#35
Caprolactam
Concen: 70.784 ng
RT: 11.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

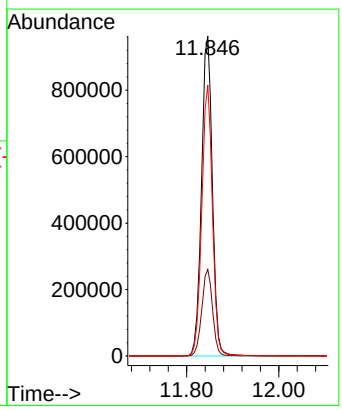


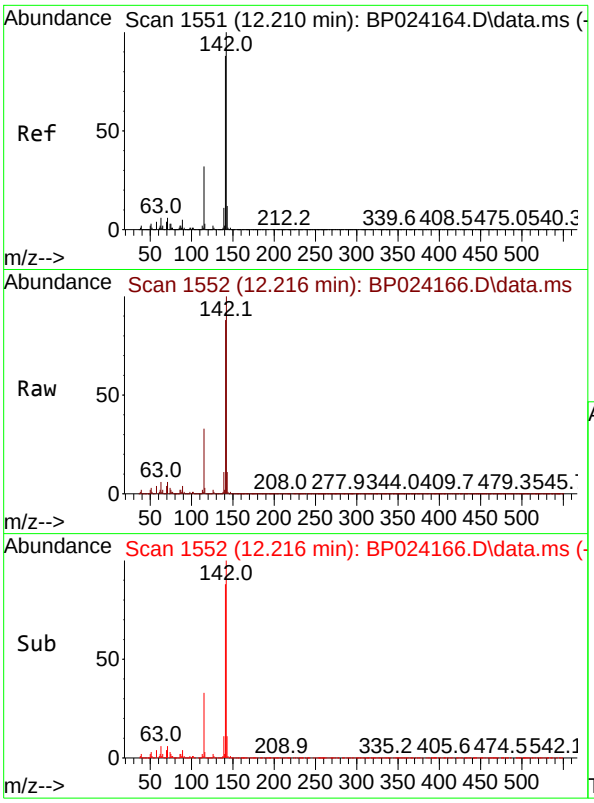




#36
4-Chloro-3-methylphenol
Concen: 66.451 ng
RT: 11.846 min Scan# 1489
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



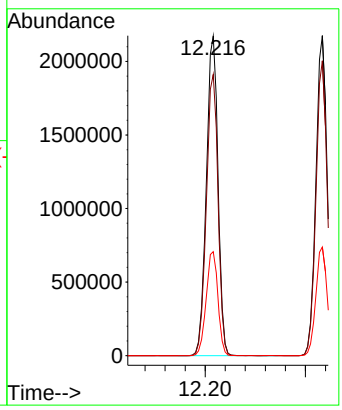


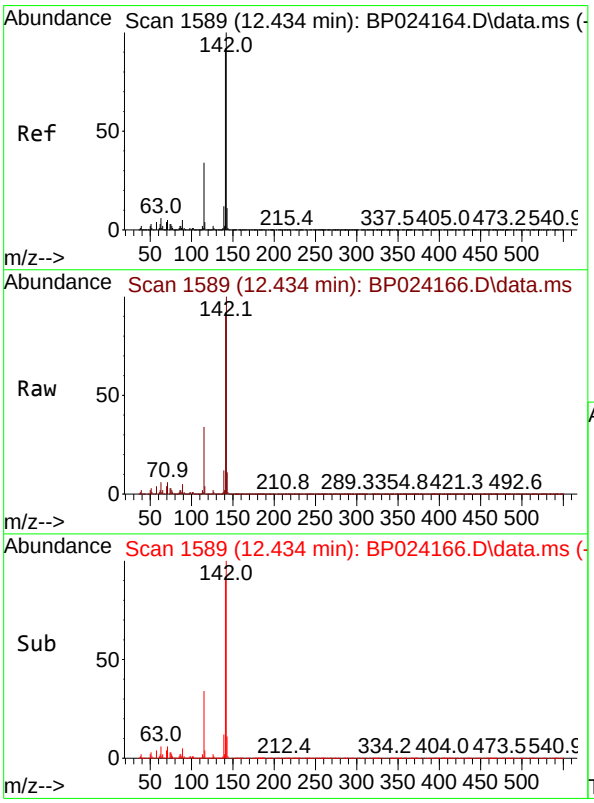

#37
2-Methylnaphthalene
Concen: 61.618 ng
RT: 12.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

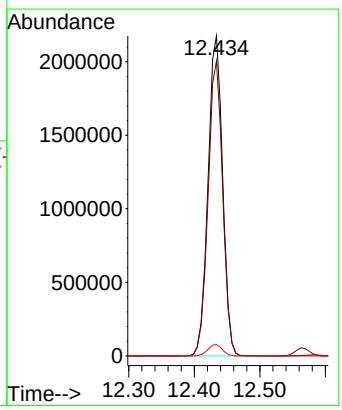


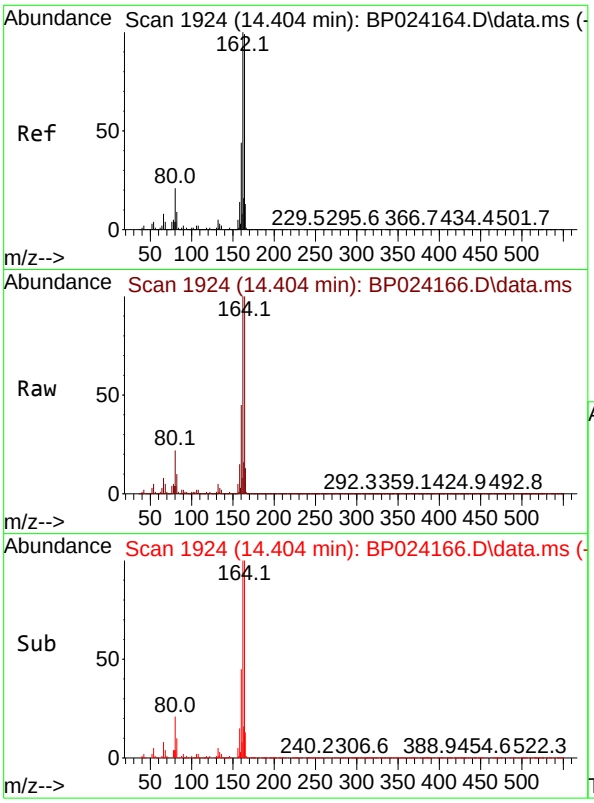




#38
1-Methylnaphthalene
Concen: 60.802 ng
RT: 12.434 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



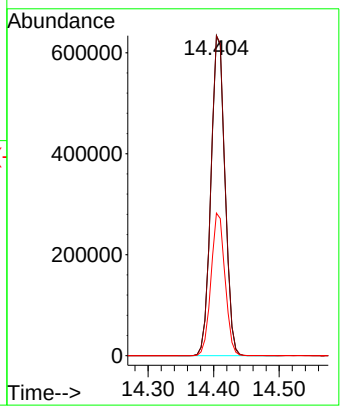


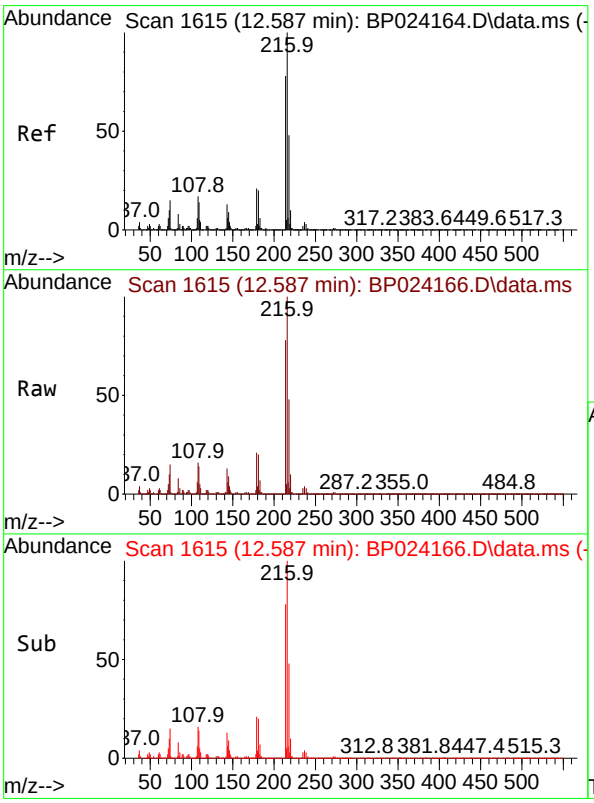

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

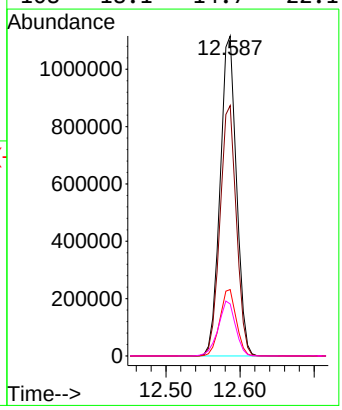


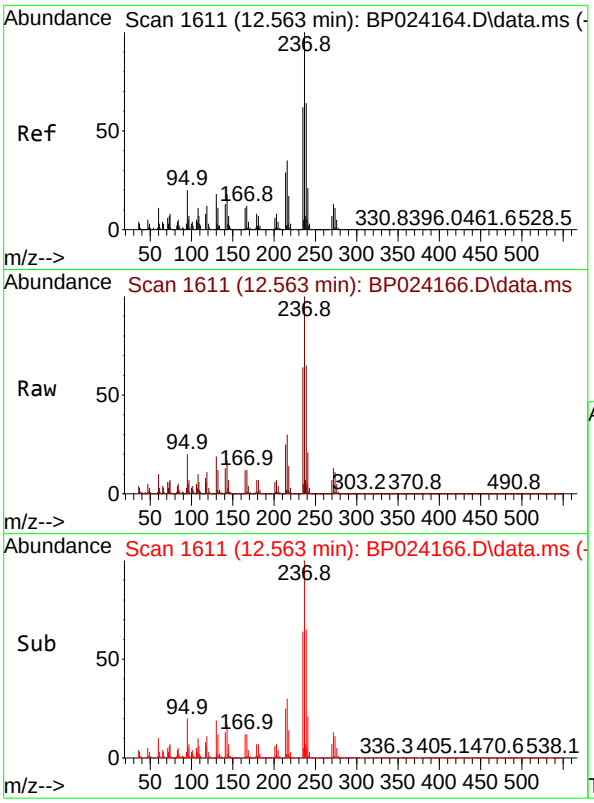




#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.382 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



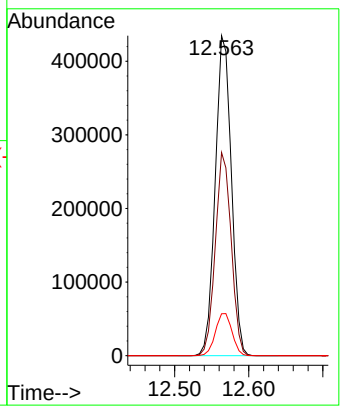


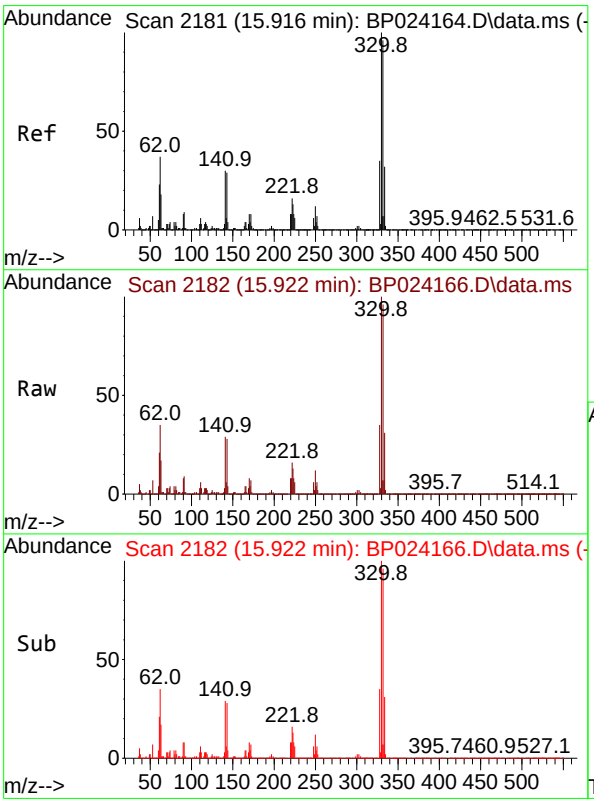

#41
Hexachlorocyclopentadiene
Concen: 61.365 ng
RT: 12.563 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

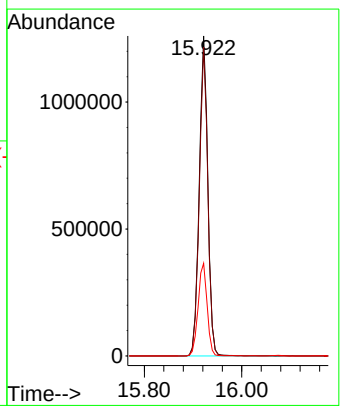


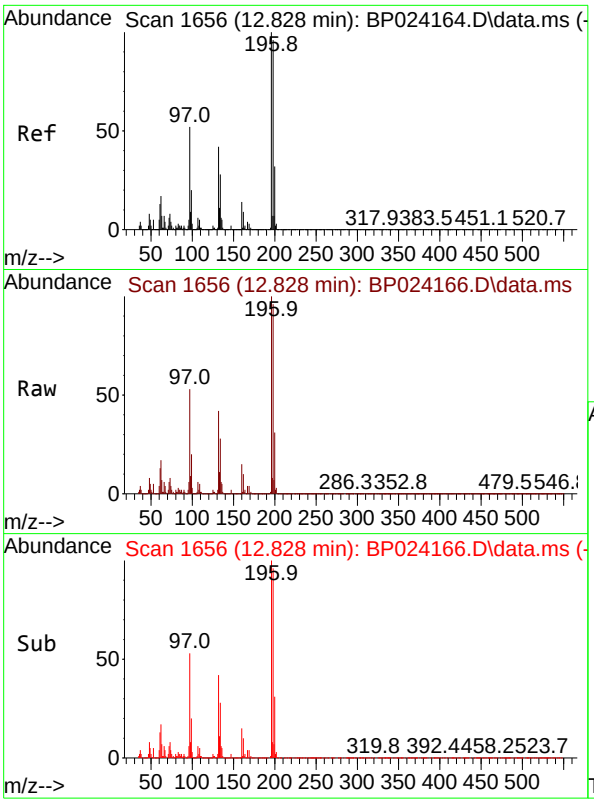




#42
2,4,6-Tribromophenol
Concen: 134.511 ng
RT: 15.922 min Scan# 2182
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



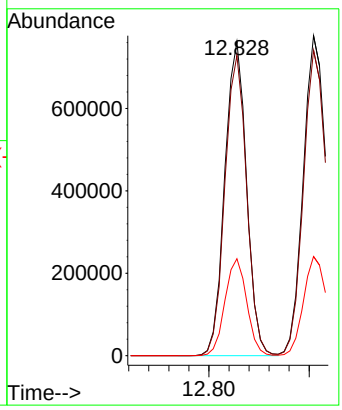


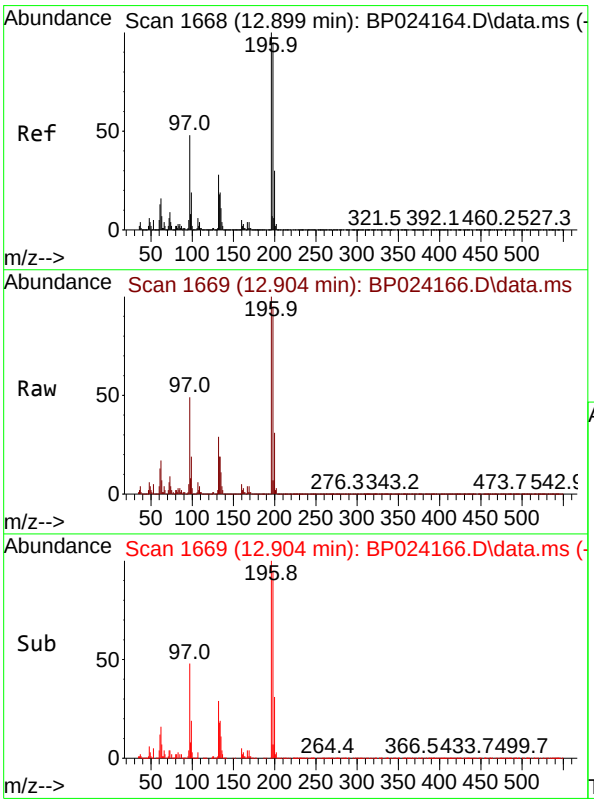

#43
2,4,6-Trichlorophenol
Concen: 65.478 ng
RT: 12.828 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

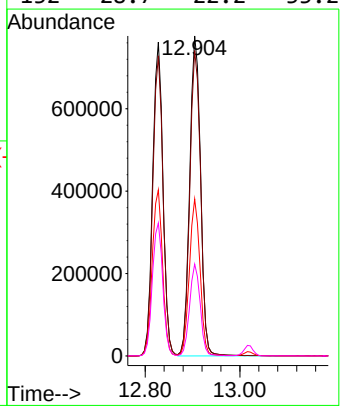


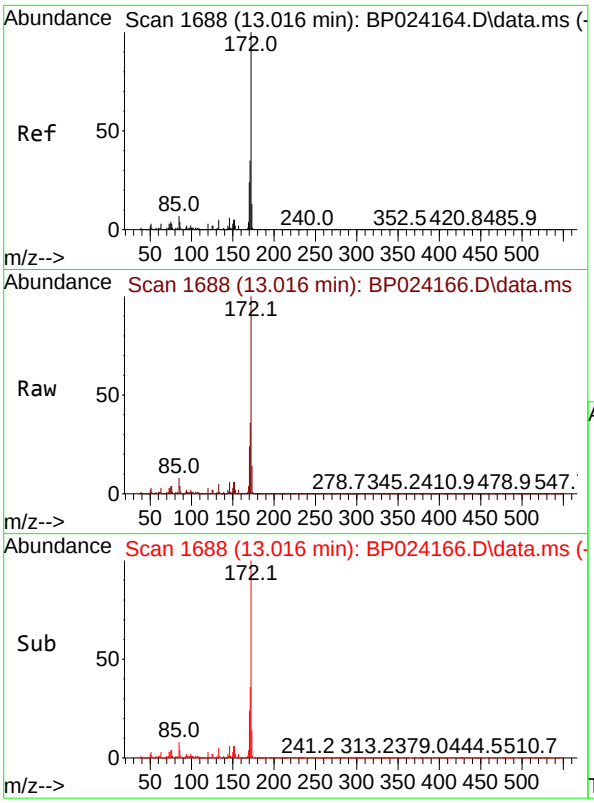




#44
2,4,5-Trichlorophenol
Concen: 64.282 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



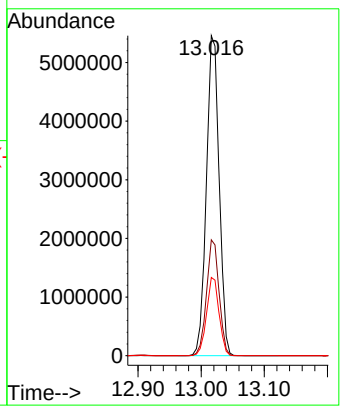


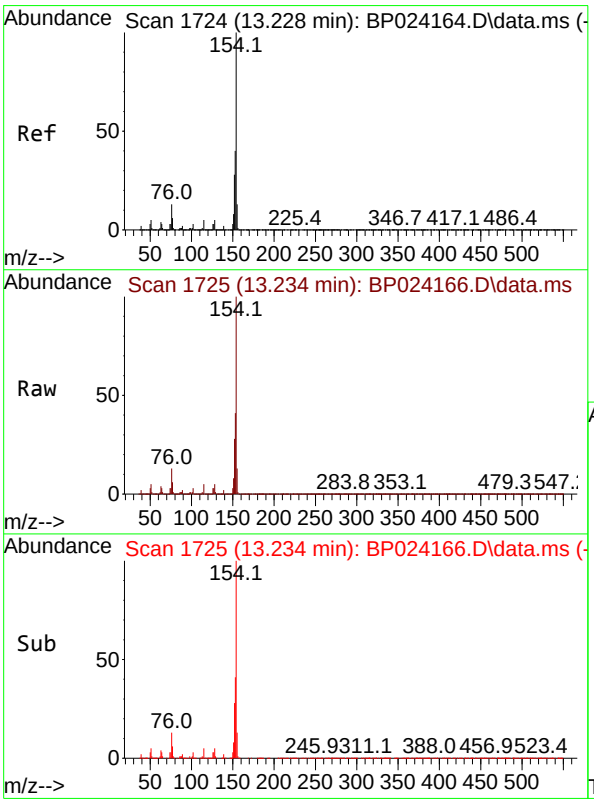

#45
2-Fluorobiphenyl
Concen: 114.626 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

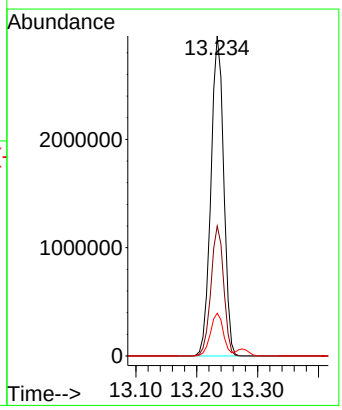


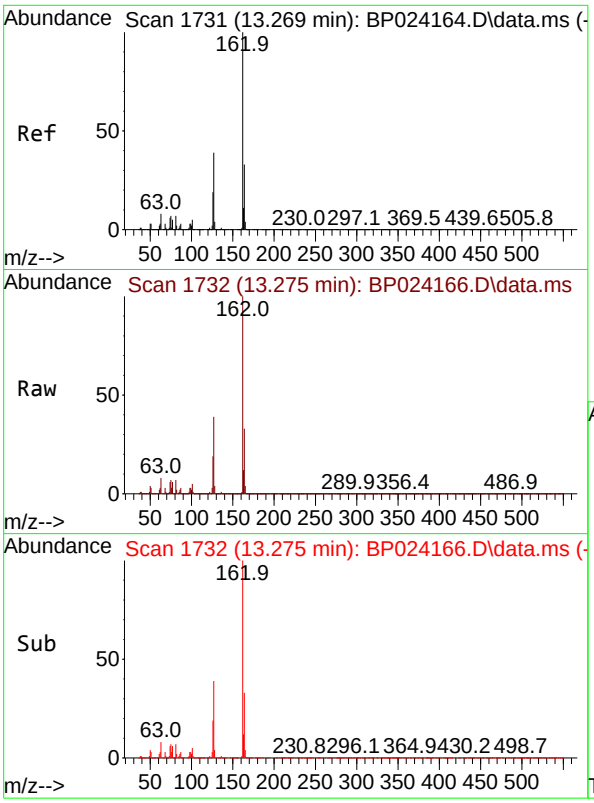




#46
1,1'-Biphenyl
Concen: 59.291 ng
RT: 13.234 min Scan# 1725
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



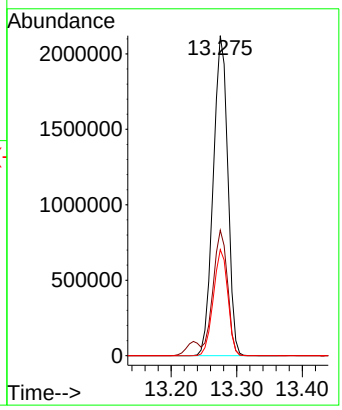


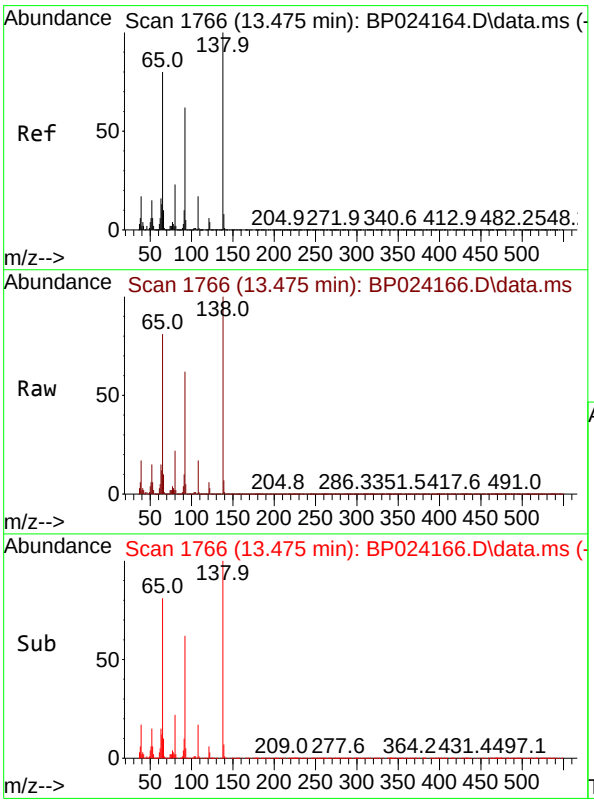

#47
2-Chloronaphthalene
Concen: 59.452 ng
RT: 13.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

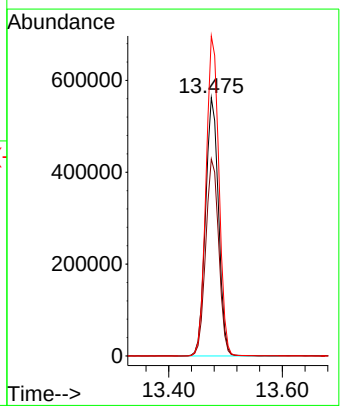


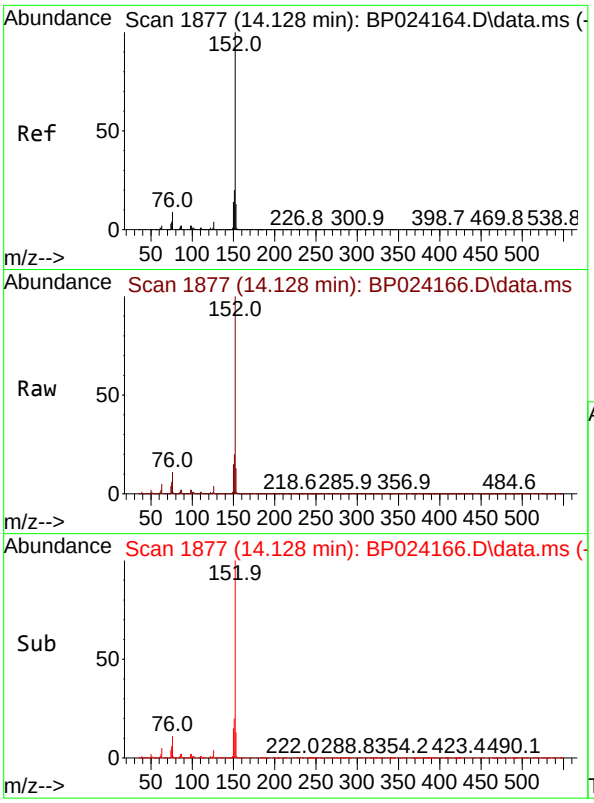




#48
2-Nitroaniline
Concen: 68.533 ng
RT: 13.475 min Scan# 1766
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



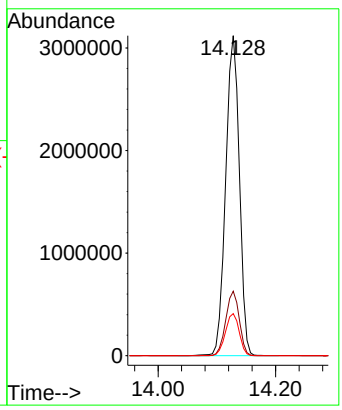


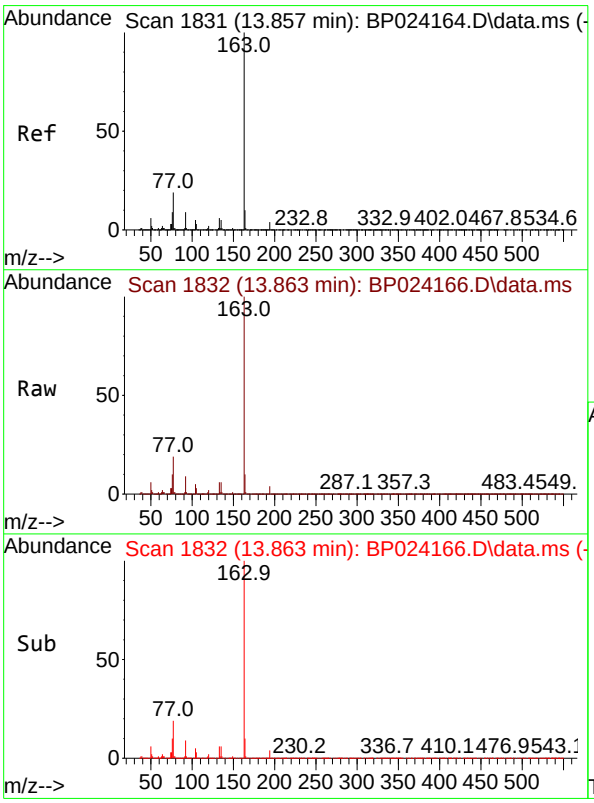

#49
Acenaphthylene
Concen: 62.024 ng
RT: 14.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

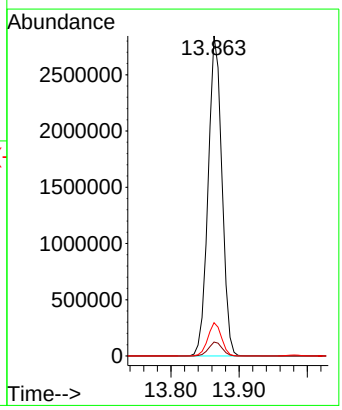


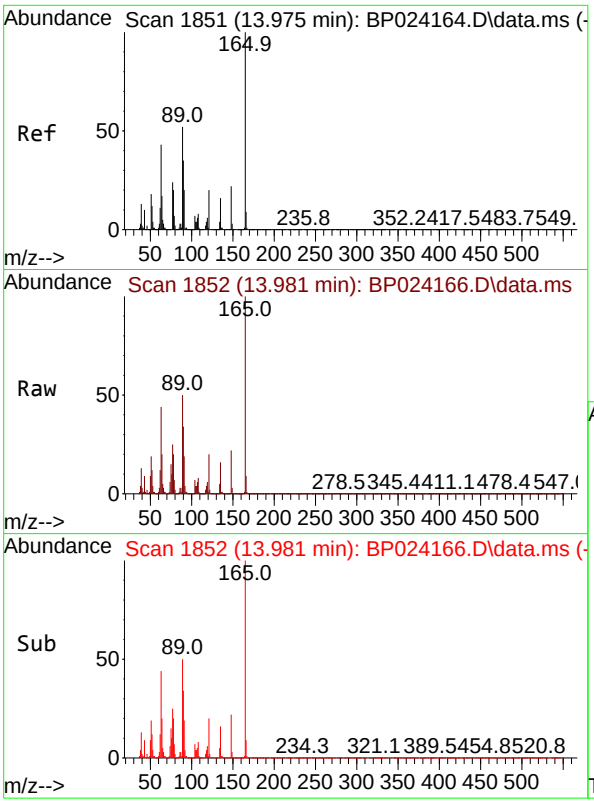




#50
Dimethylphthalate
Concen: 60.542 ng
RT: 13.863 min Scan# 1832
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



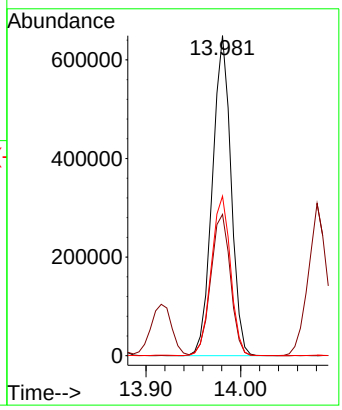


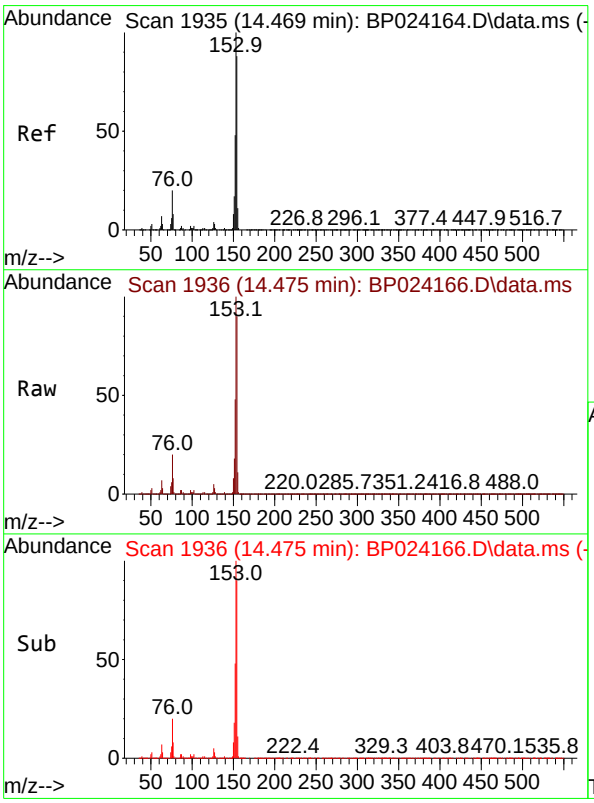

#51
2,6-Dinitrotoluene
Concen: 65.996 ng
RT: 13.981 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

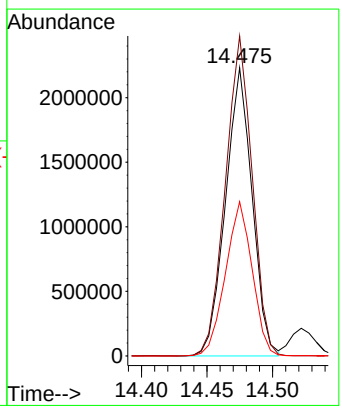


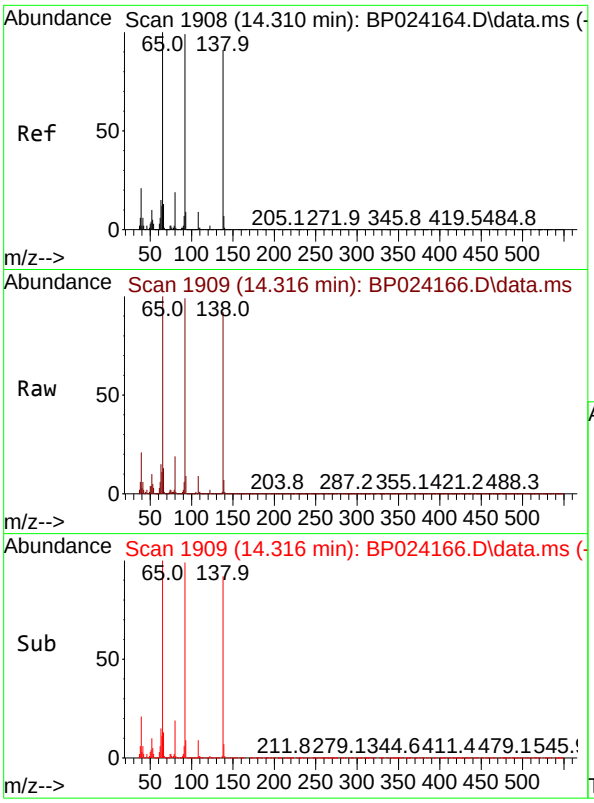




#52
Acenaphthene
Concen: 60.450 ng
RT: 14.475 min Scan# 1936
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



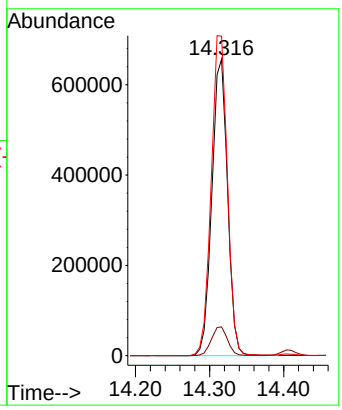


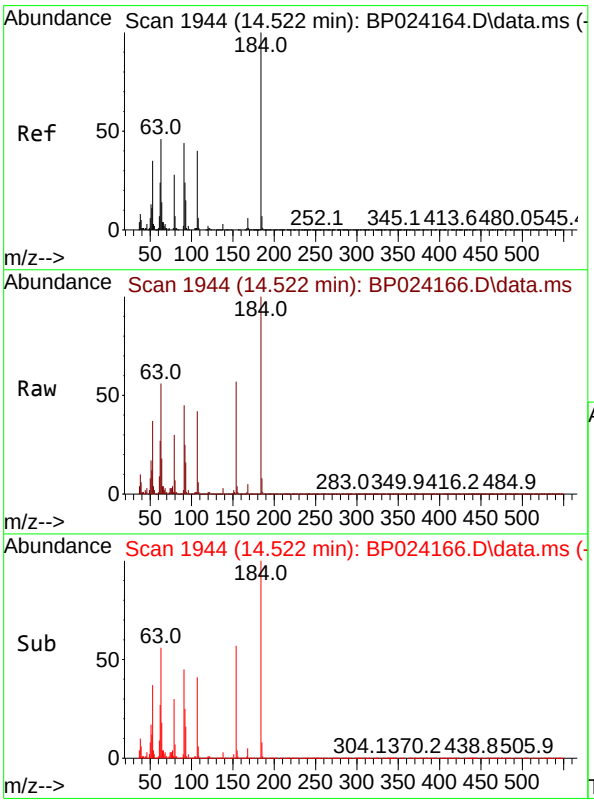

#53
3-Nitroaniline
Concen: 67.123 ng
RT: 14.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

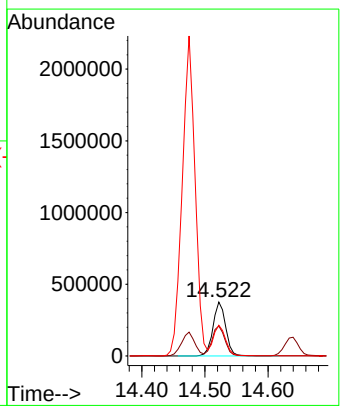


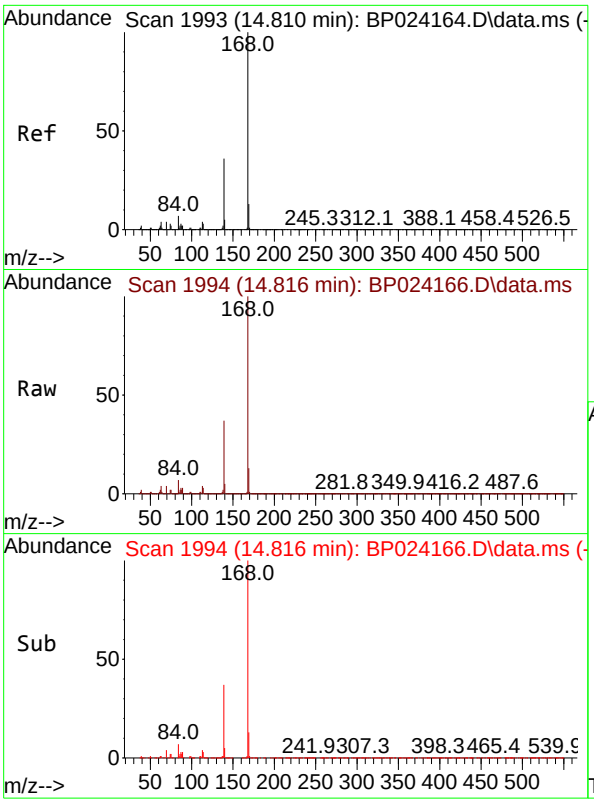




#54
2,4-Dinitrophenol
Concen: 73.093 ng
RT: 14.522 min Scan# 1944
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



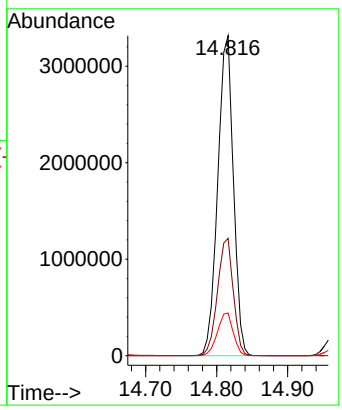


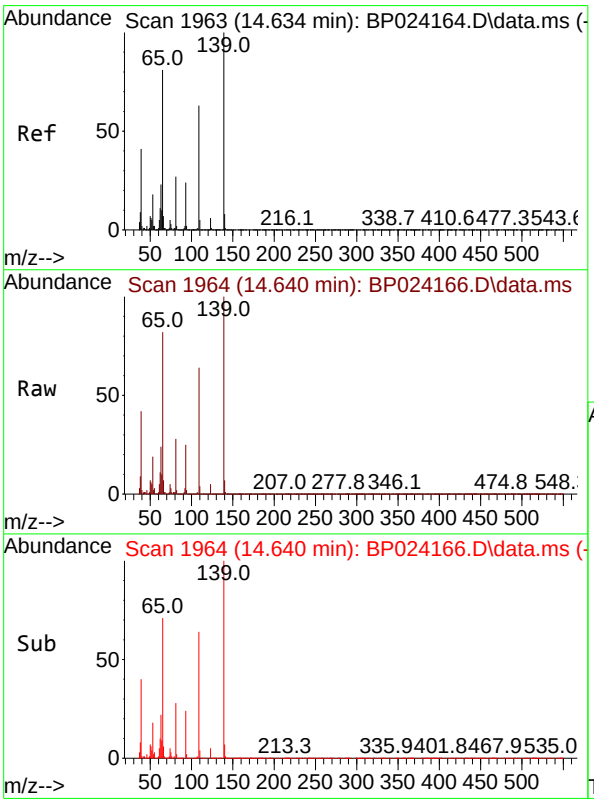

#55
Dibenzofuran
Concen: 59.602 ng
RT: 14.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

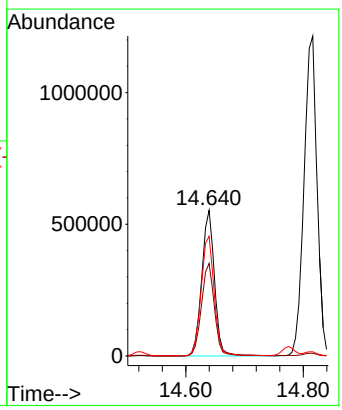


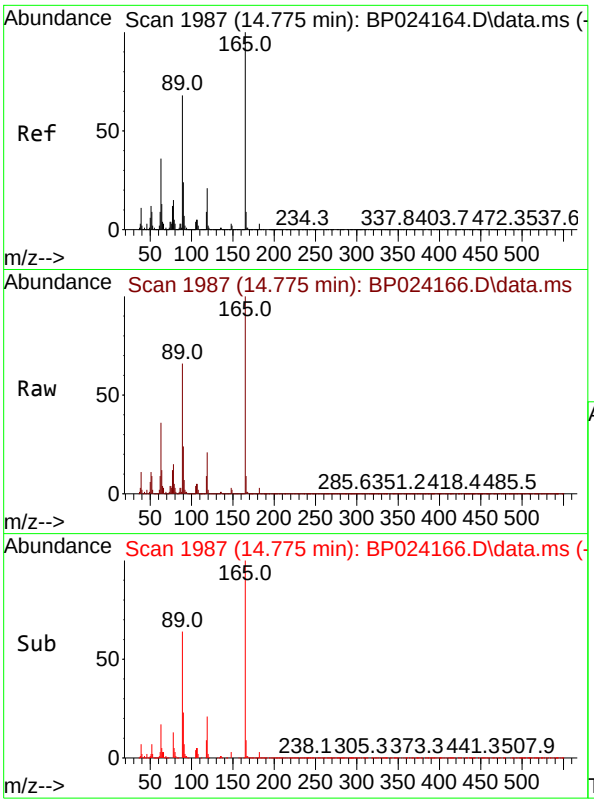




#56
4-Nitrophenol
Concen: 67.086 ng
RT: 14.640 min Scan# 1964
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



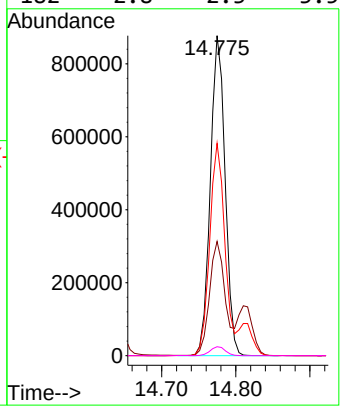


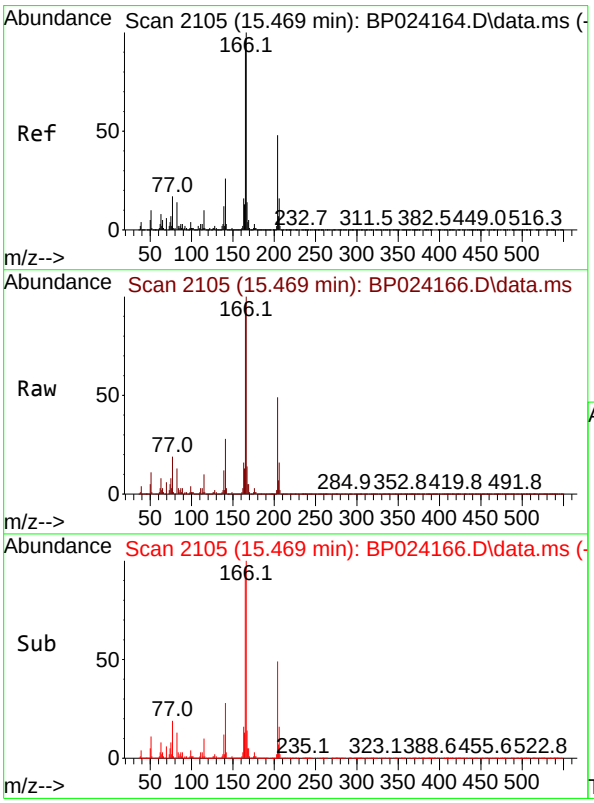

#57
2,4-Dinitrotoluene
Concen: 69.346 ng
RT: 14.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

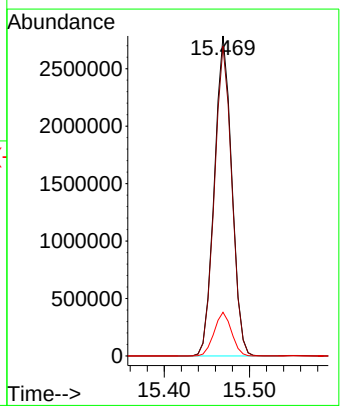


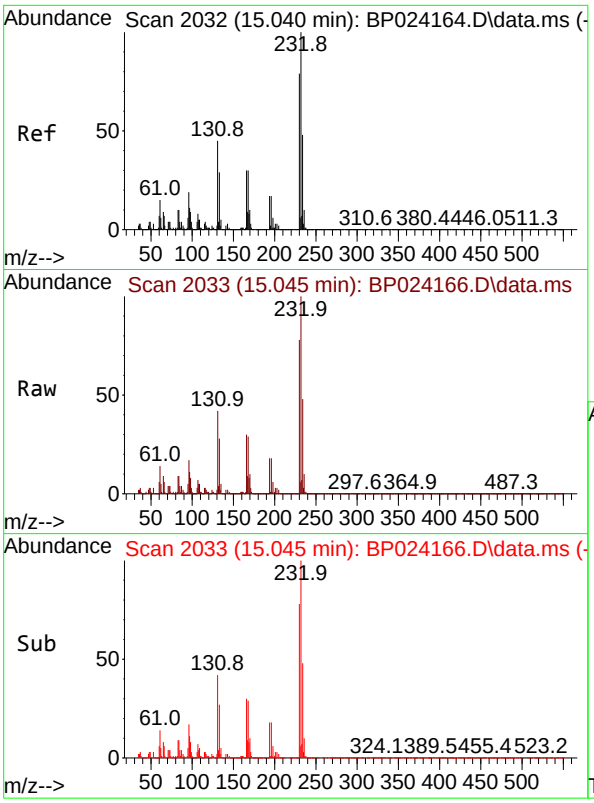




#58
Fluorene
Concen: 59.702 ng
RT: 15.469 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



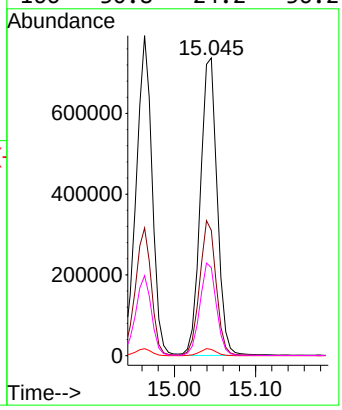


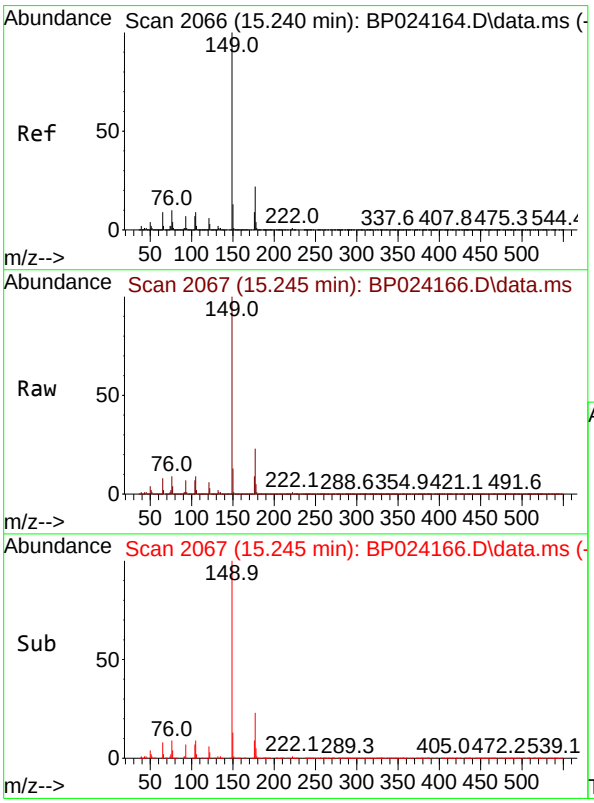

#59
2,3,4,6-Tetrachlorophenol
Concen: 63.439 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

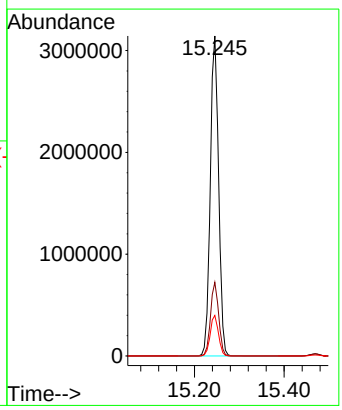


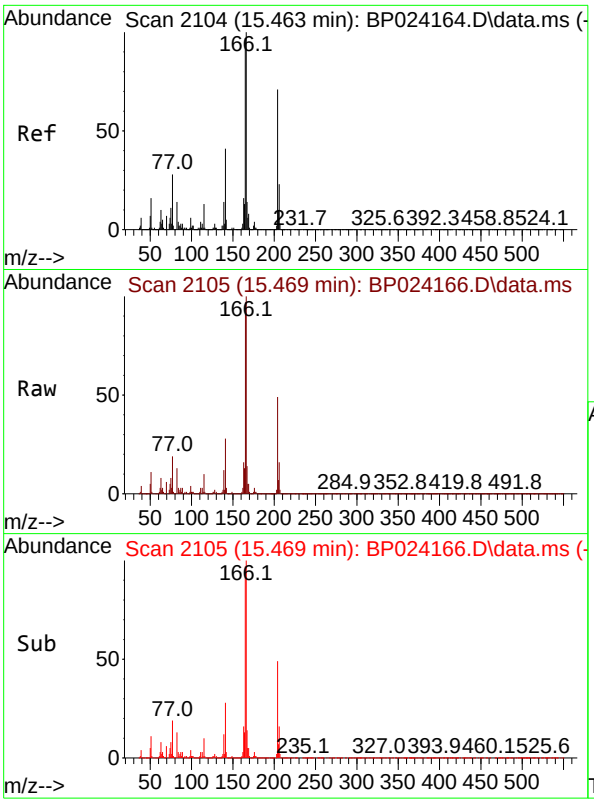




#60
Diethylphthalate
Concen: 61.486 ng
RT: 15.245 min Scan# 2067
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



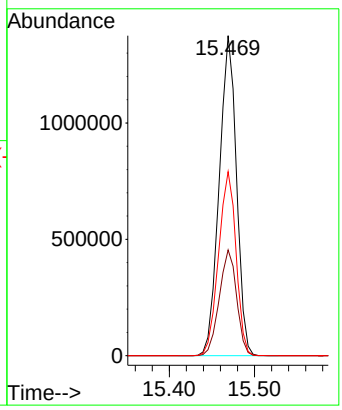


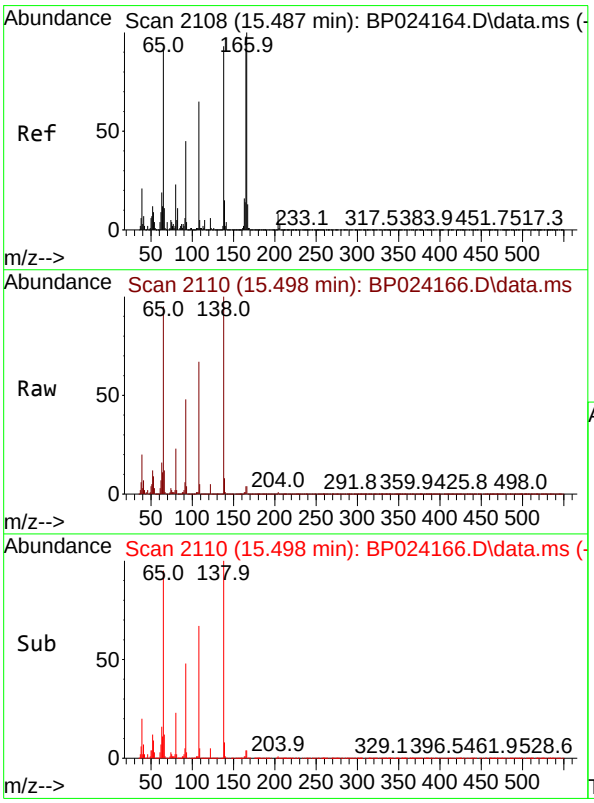

#61
4-Chlorophenyl-phenylether
Concen: 59.370 ng
RT: 15.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

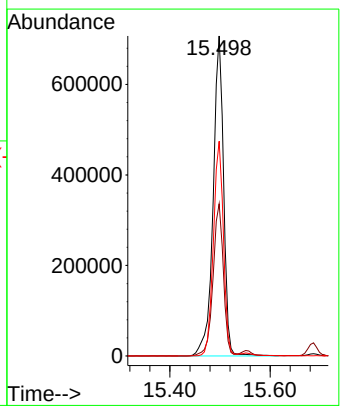


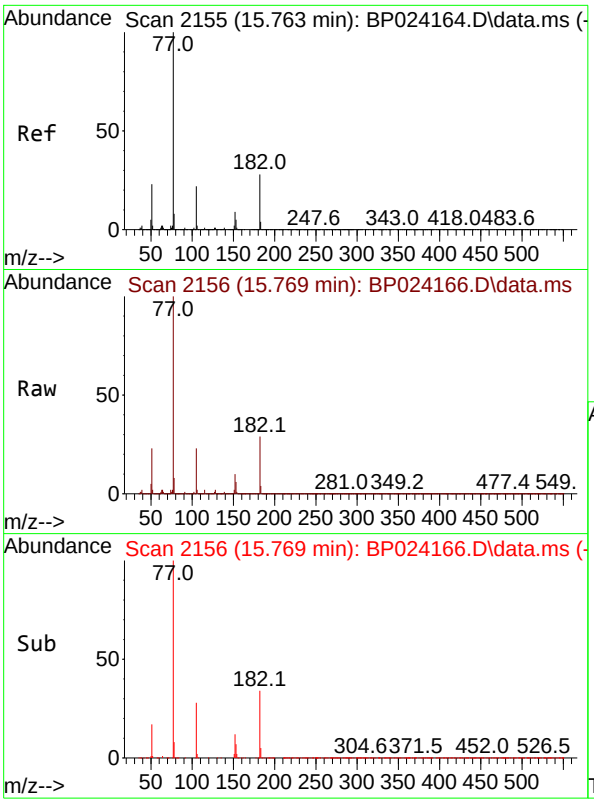




#62
4-Nitroaniline
Concen: 68.824 ng
RT: 15.498 min Scan# 2110
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



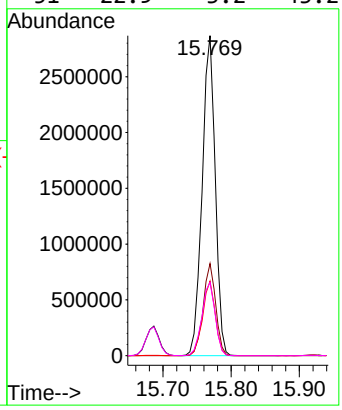


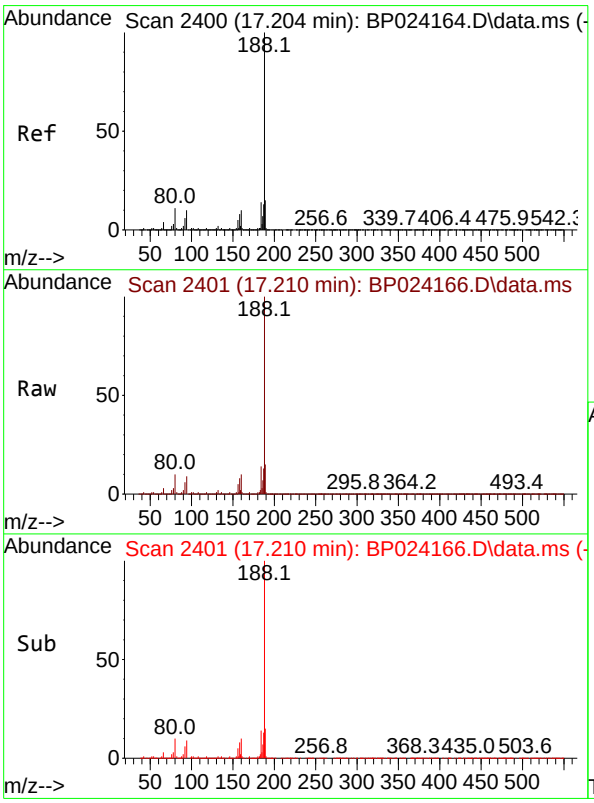

#63
Azobenzene
Concen: 62.340 ng
RT: 15.769 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

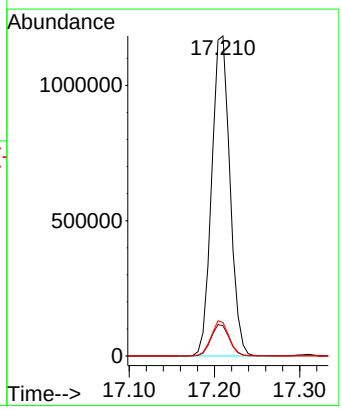


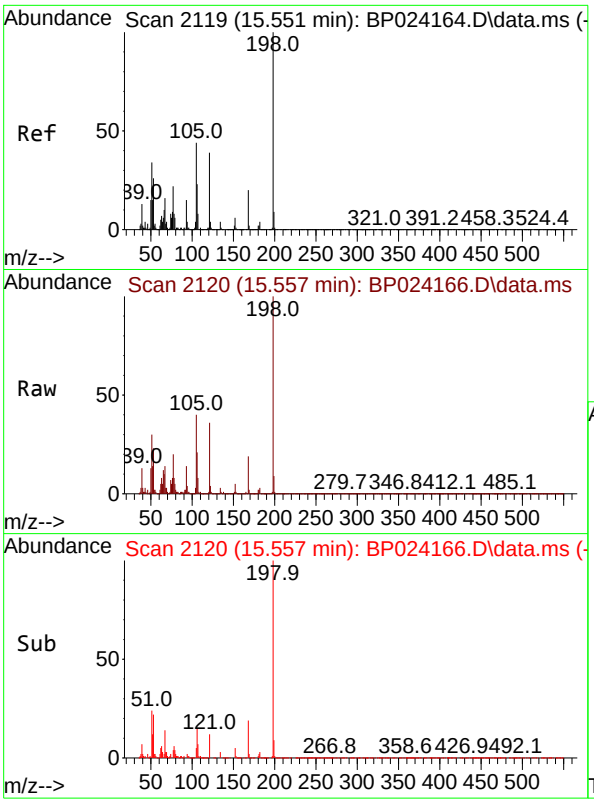




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 2401
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



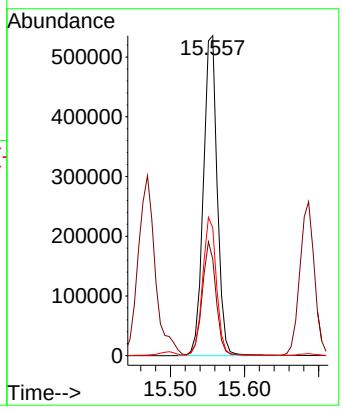


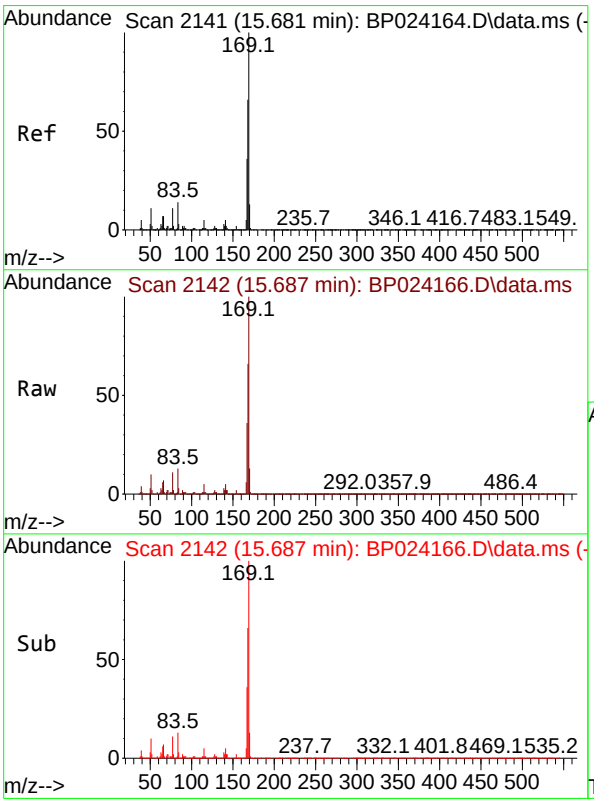

#65
4,6-Dinitro-2-methylphenol
Concen: 68.563 ng
RT: 15.557 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

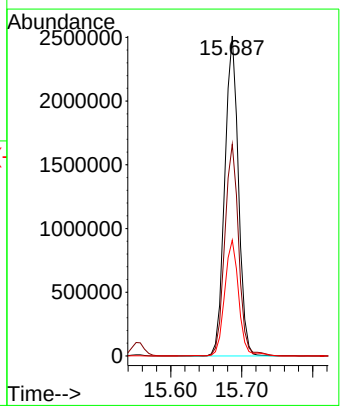


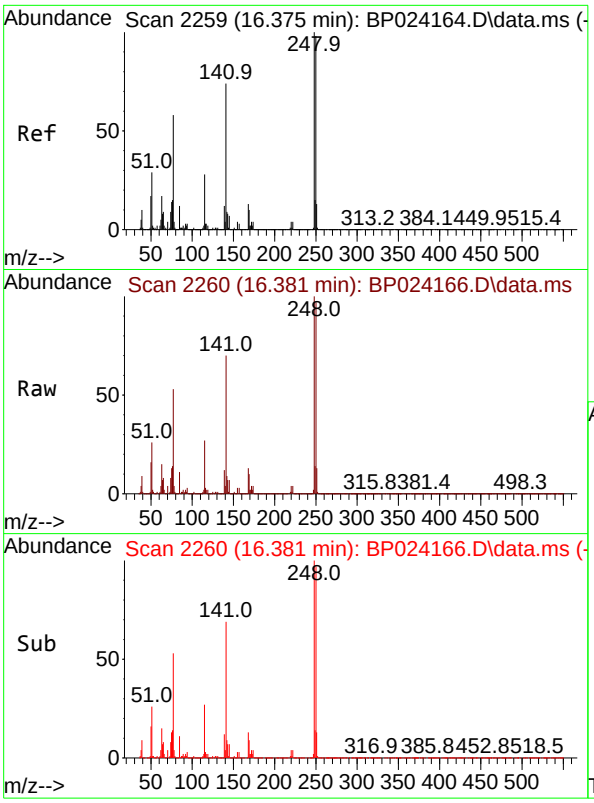




#66
n-Nitrosodiphenylamine
Concen: 60.776 ng
RT: 15.687 min Scan# 2142
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



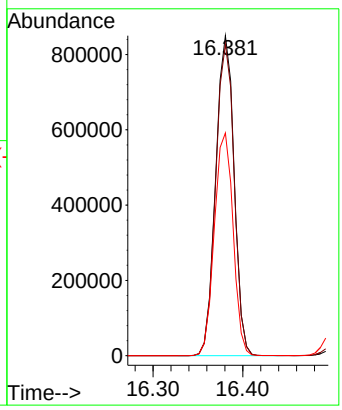


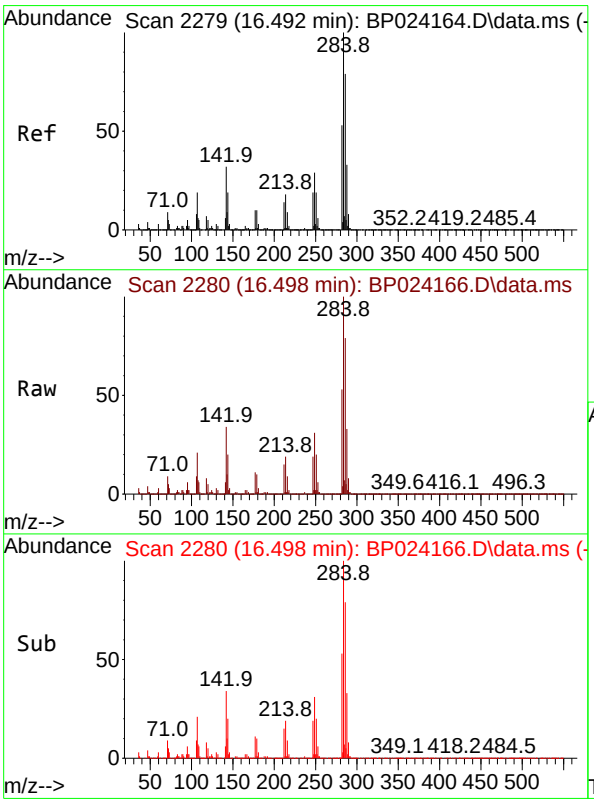

#67
4-Bromophenyl-phenylether
Concen: 61.311 ng
RT: 16.381 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

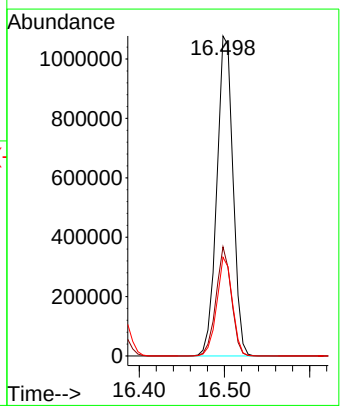


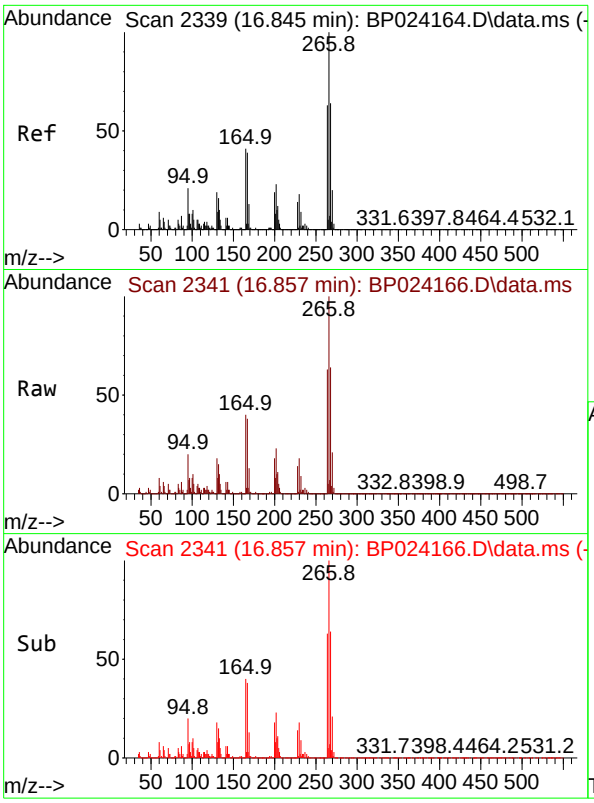




#68
Hexachlorobenzene
Concen: 61.320 ng
RT: 16.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



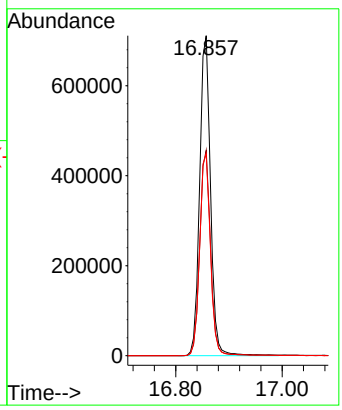


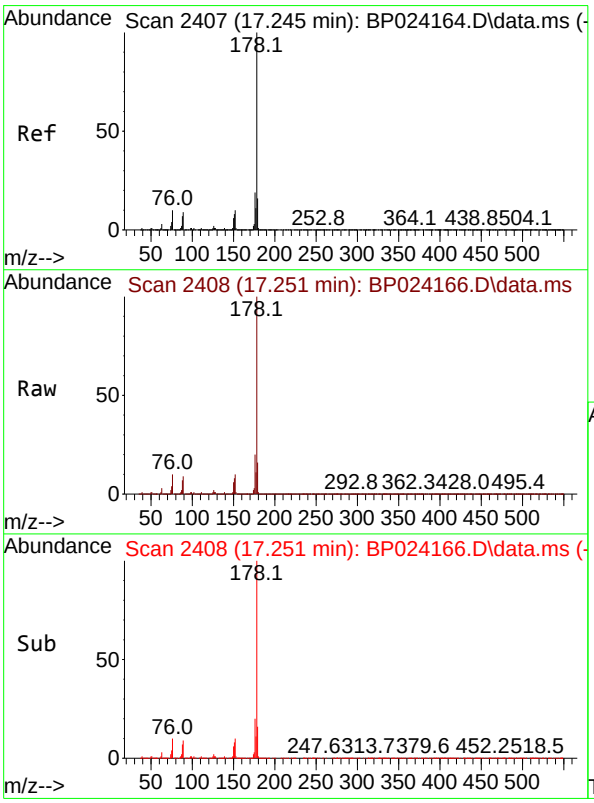

#70
Pentachlorophenol
Concen: 66.402 ng
RT: 16.857 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

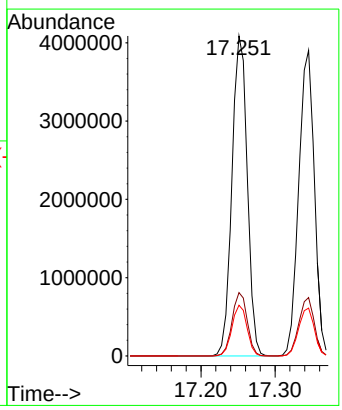


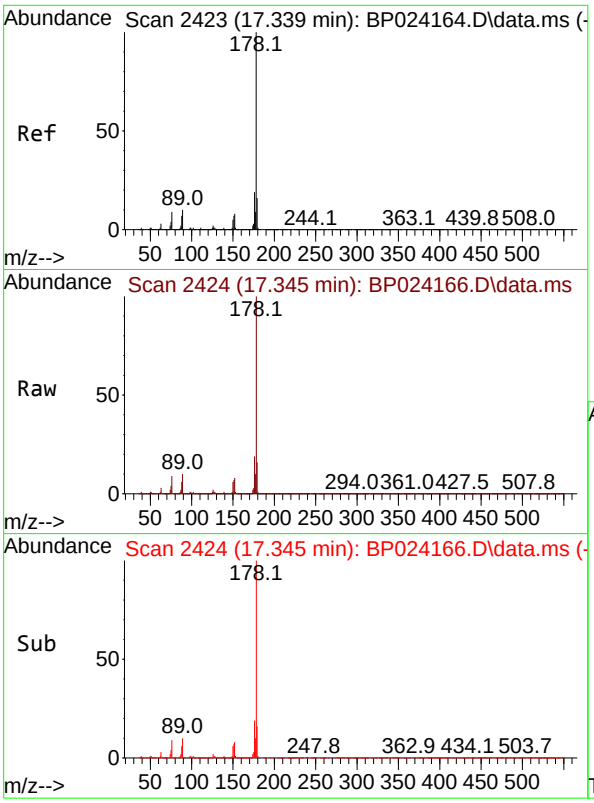




#71
Phenanthrene
Concen: 59.103 ng
RT: 17.251 min Scan# 2408
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



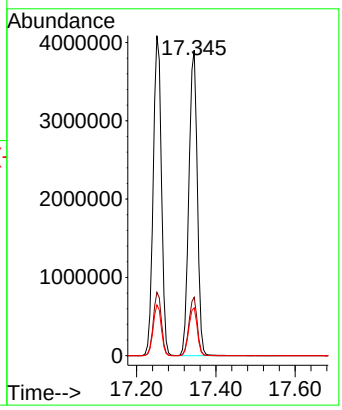


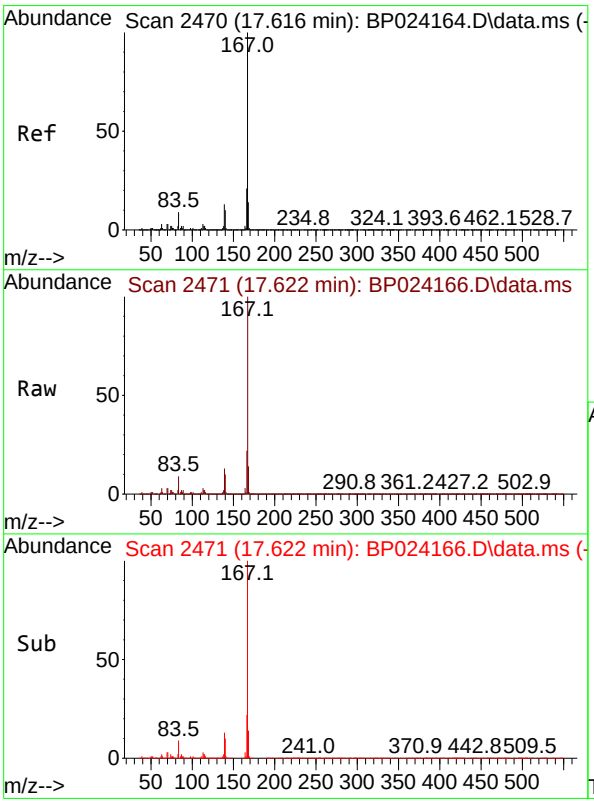

#72
Anthracene
Concen: 60.532 ng
RT: 17.345 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

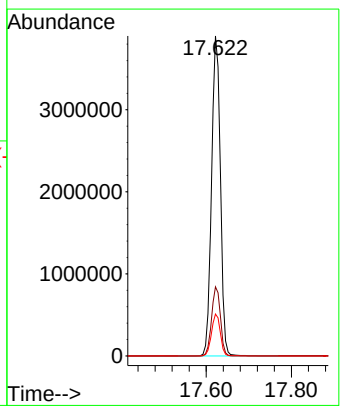


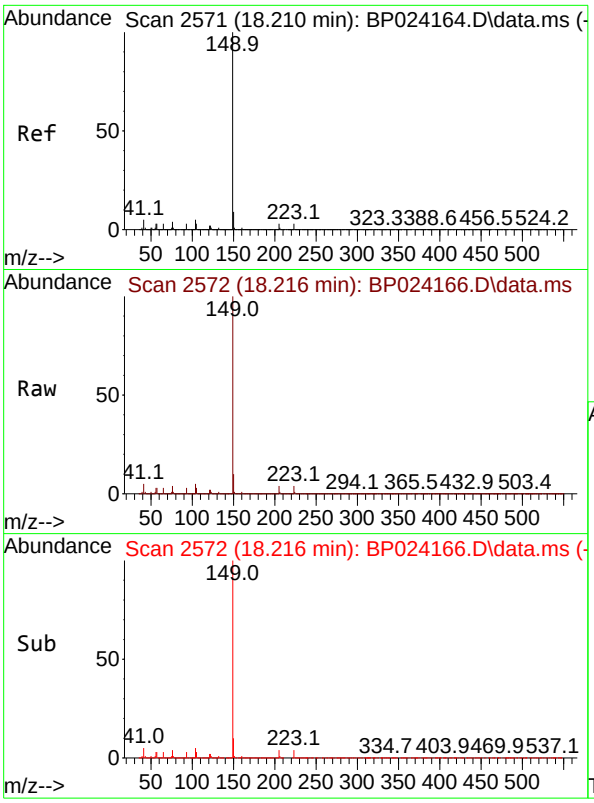




#73
Carbazole
Concen: 61.810 ng
RT: 17.622 min Scan# 2471
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



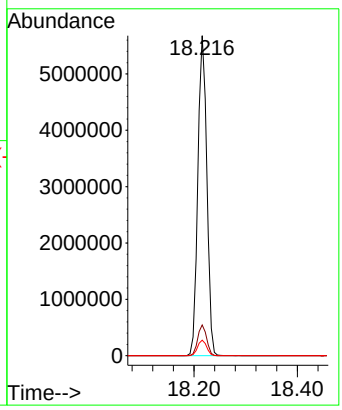


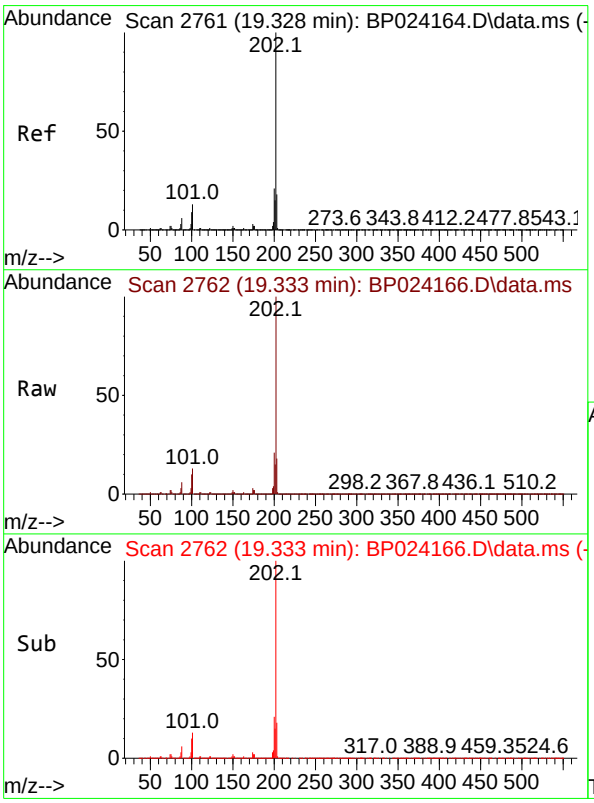

#74
Di-n-butylphthalate
Concen: 64.761 ng
RT: 18.216 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

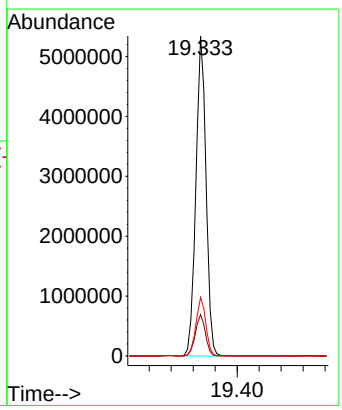


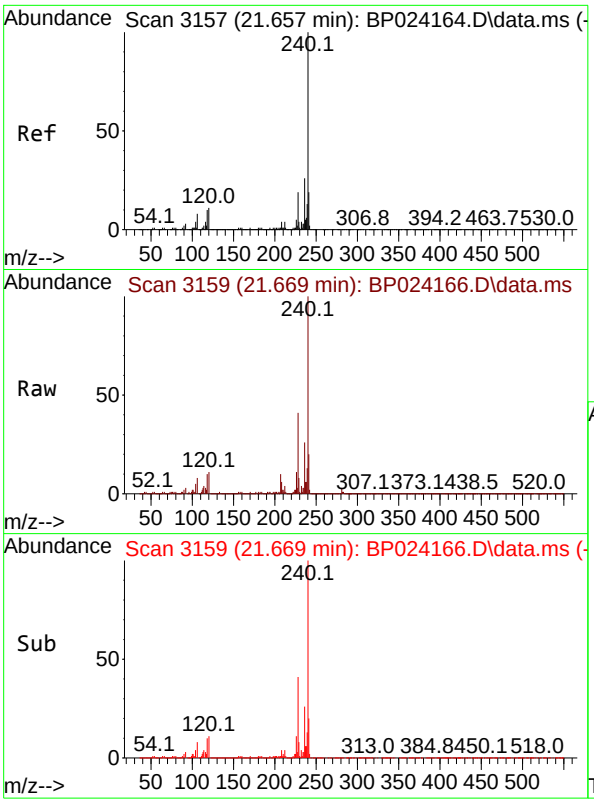




#75
Fluoranthene
Concen: 61.042 ng
RT: 19.333 min Scan# 2762
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



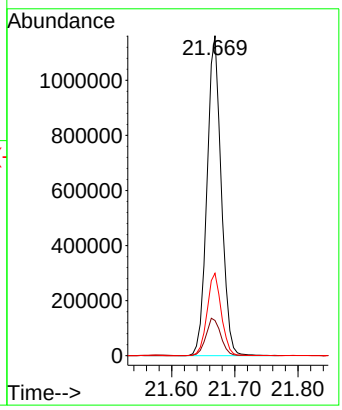


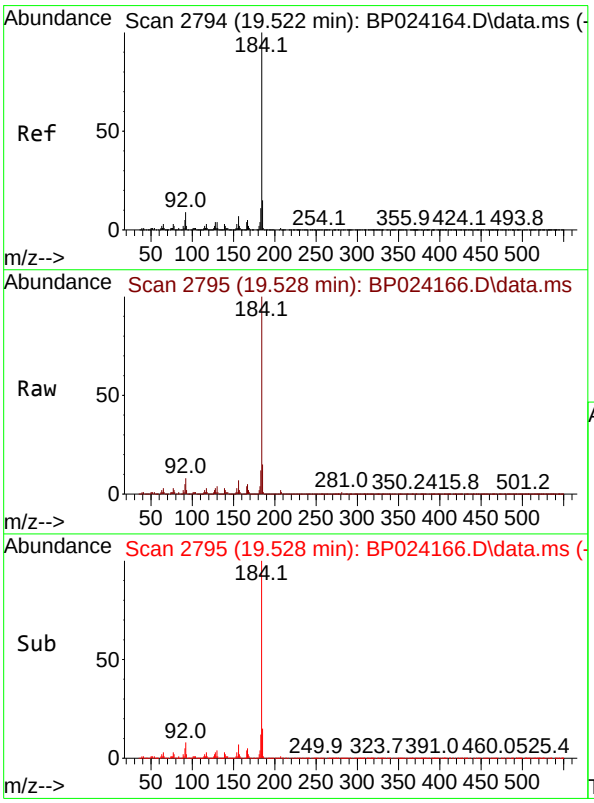

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.669 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

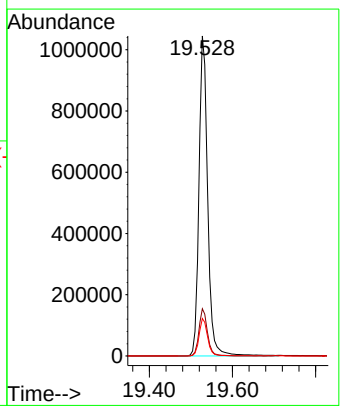


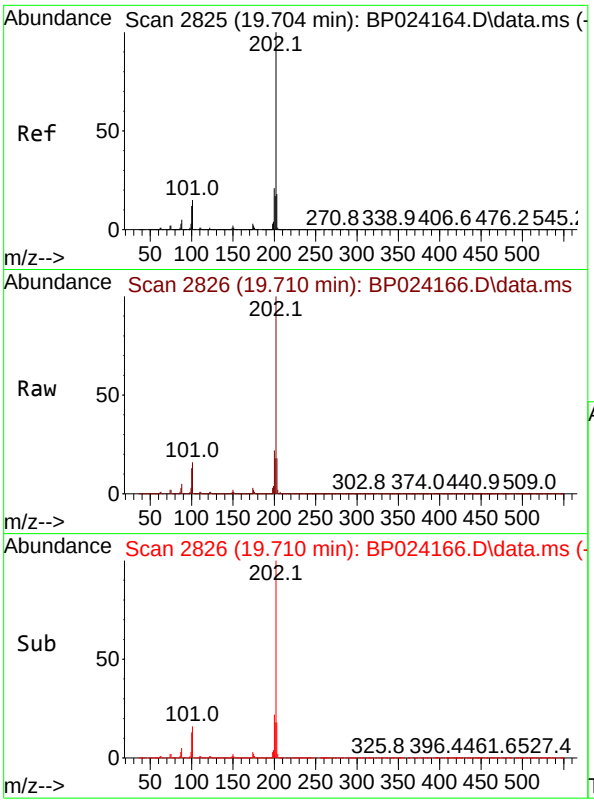




#77
Benzidine
Concen: 68.561 ng
RT: 19.528 min Scan# 2795
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



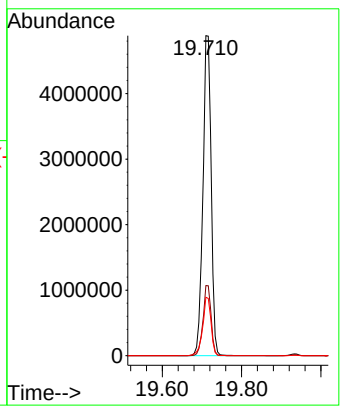


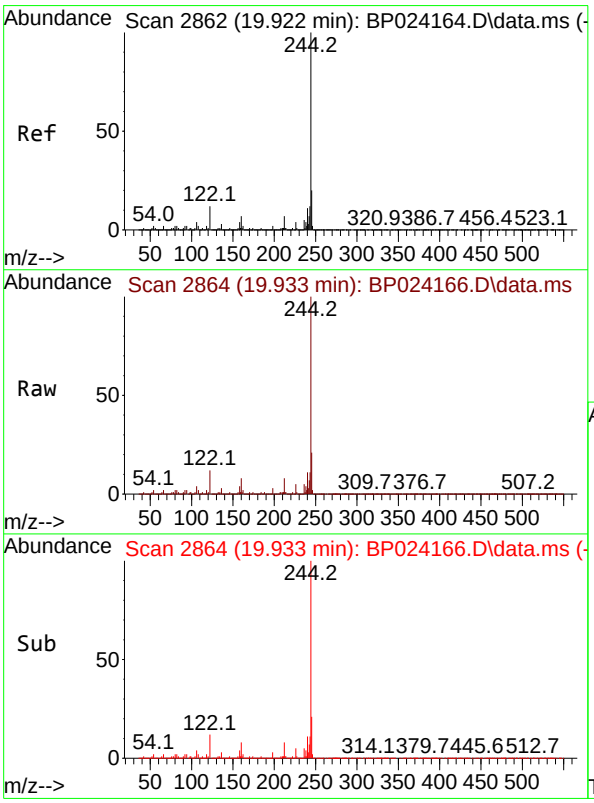

#78
Pyrene
Concen: 61.052 ng
RT: 19.710 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

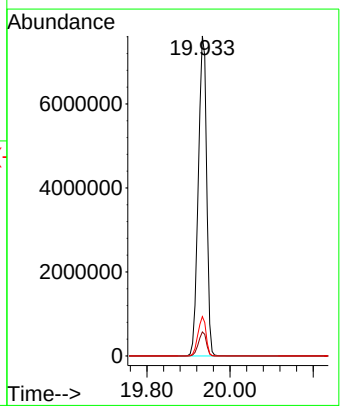


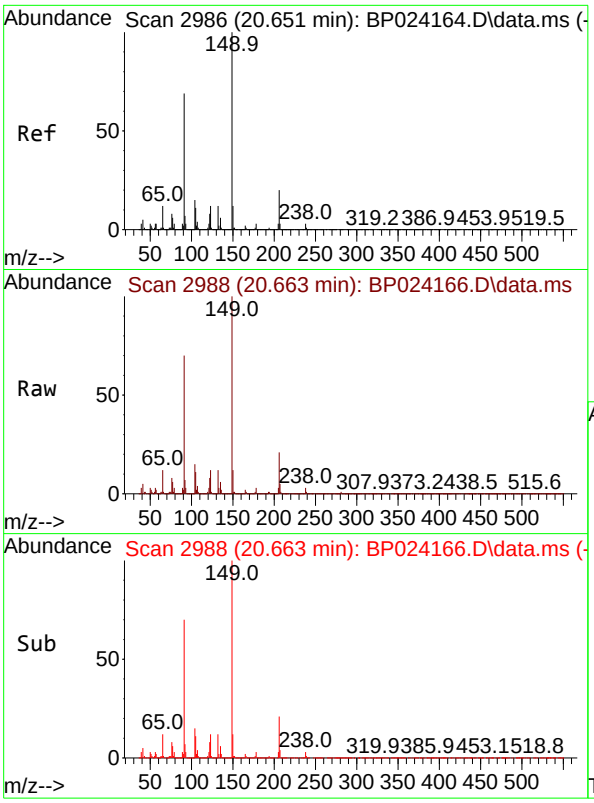




#79
Terphenyl-d14
Concen: 115.330 ng
RT: 19.933 min Scan# 2864
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



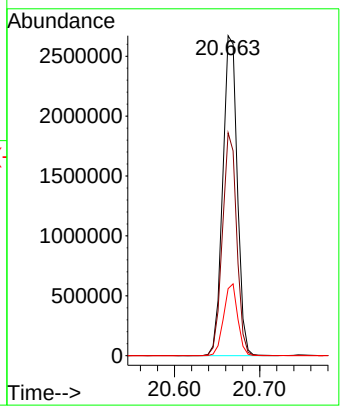


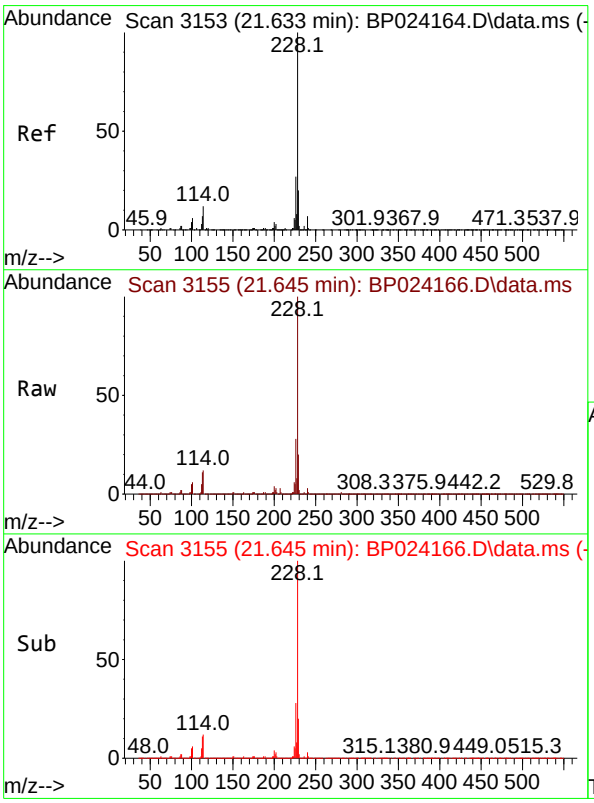

#80
Butylbenzylphthalate
Concen: 71.649 ng
RT: 20.663 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

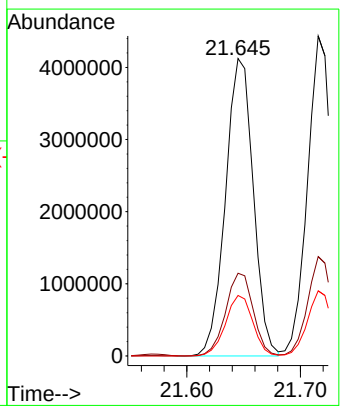


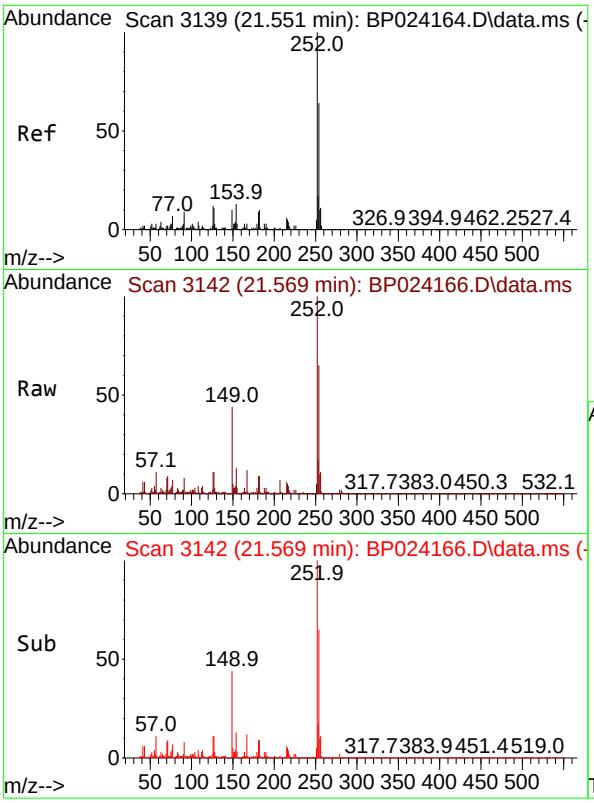




#81
Benzo(a)anthracene
Concen: 61.500 ng
RT: 21.645 min Scan# 3155
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



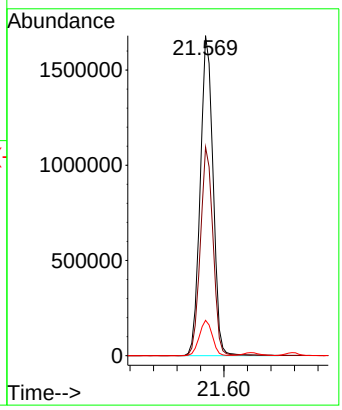


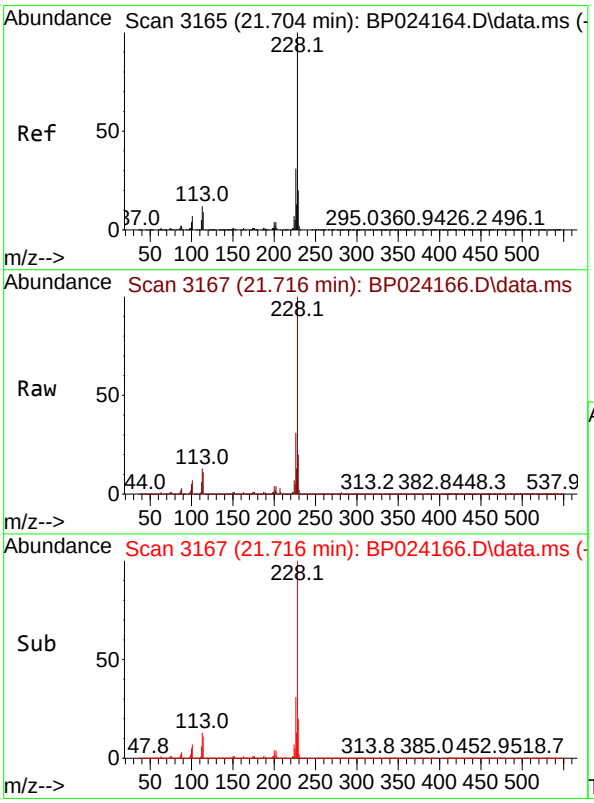

#82
3,3'-Dichlorobenzidine
Concen: 71.531 ng
RT: 21.569 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

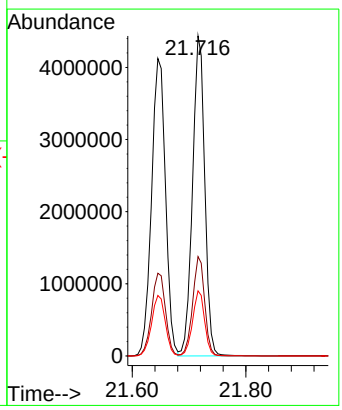


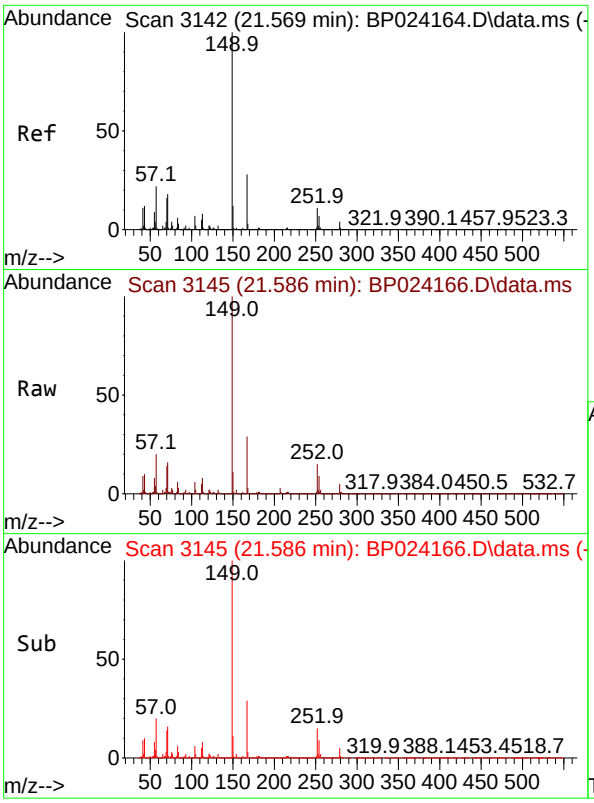




#83
Chrysene
Concen: 60.535 ng
RT: 21.716 min Scan# 3167
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



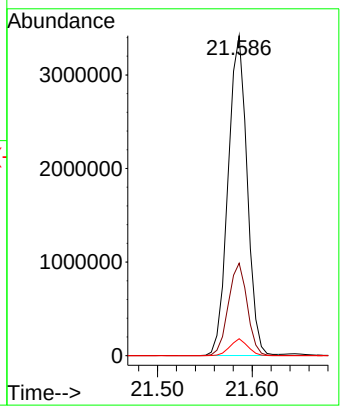


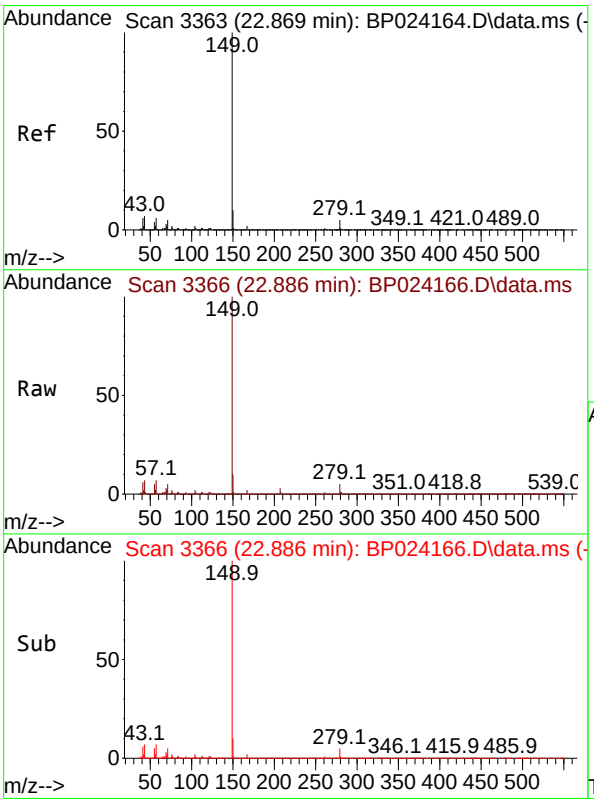

#84
Bis(2-ethylhexyl)phthalate
Concen: 71.363 ng
RT: 21.586 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

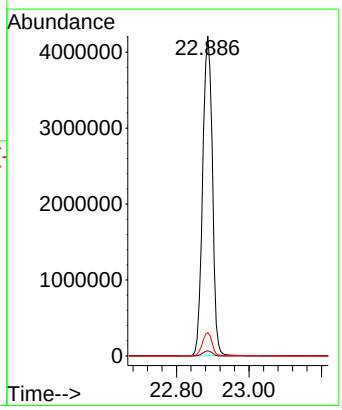


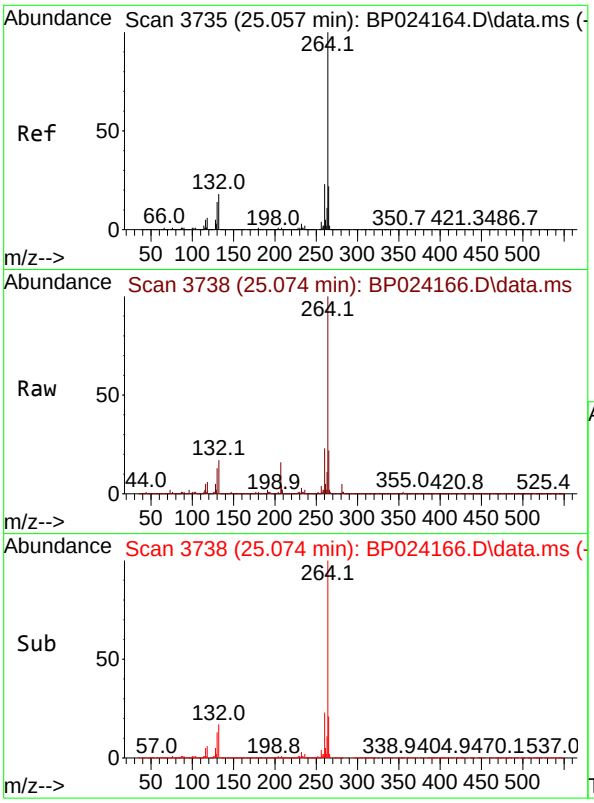




#85
Di-n-octyl phthalate
Concen: 72.964 ng
RT: 22.886 min Scan# 3366
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



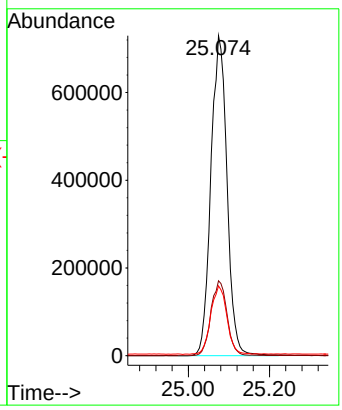


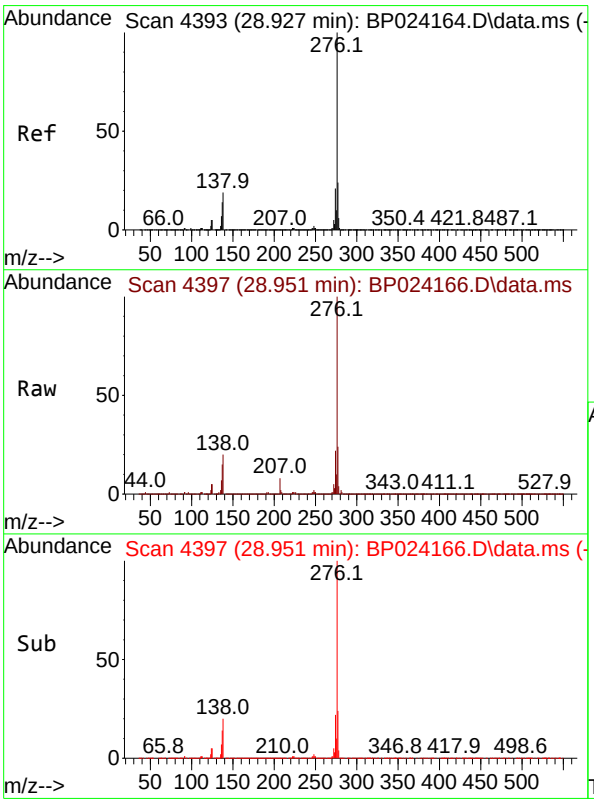

#86
Perylene-d12
Concen: 20.000 ng
RT: 25.074 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

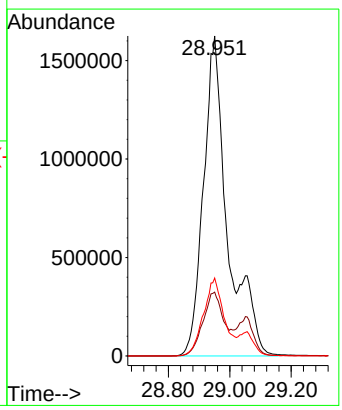


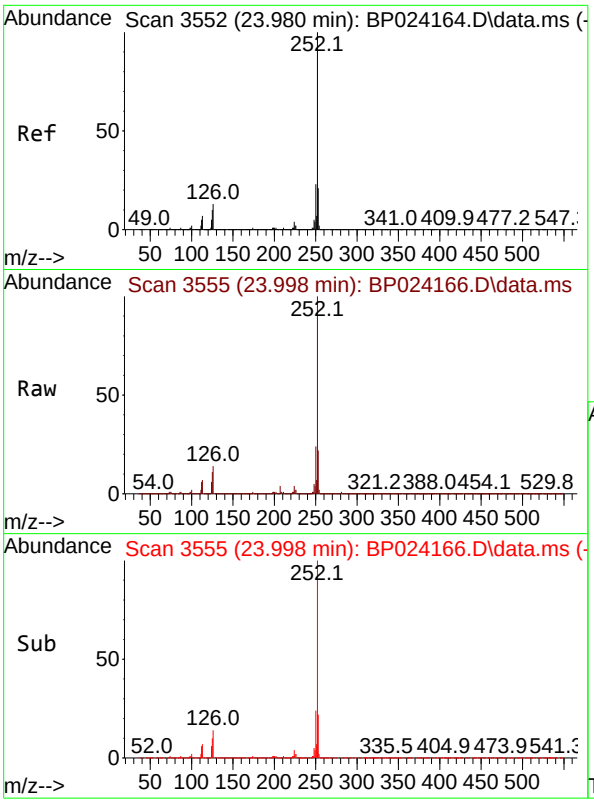




#87
Indeno(1,2,3-cd)pyrene
Concen: 62.364 ng m
RT: 28.951 min Scan# 4397
Delta R.T. 0.023 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



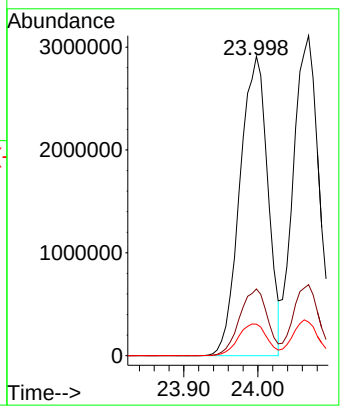


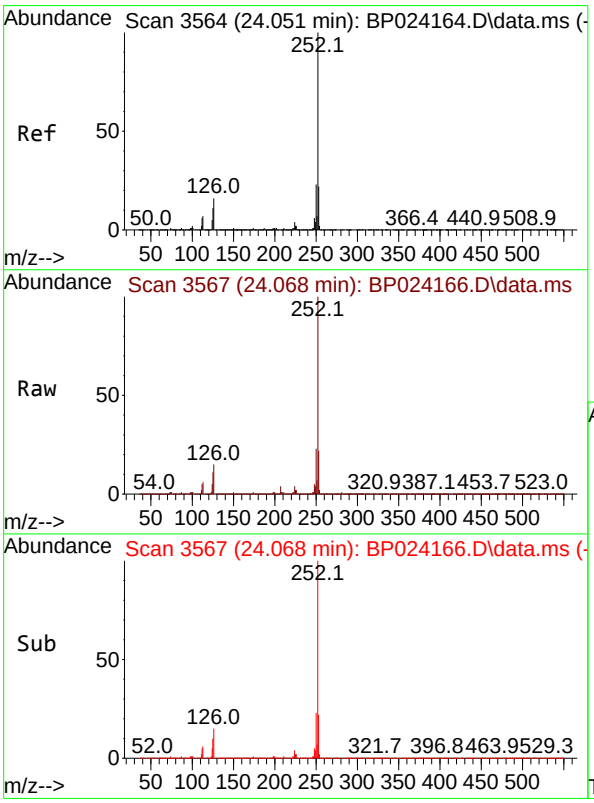

#88
Benzo(b)fluoranthene
Concen: 59.798 ng
RT: 23.998 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

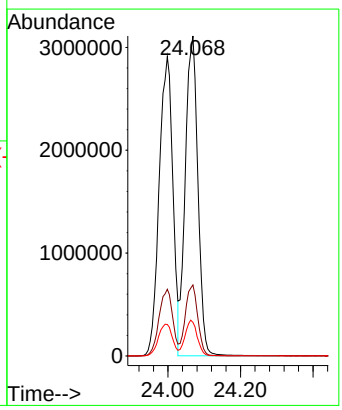


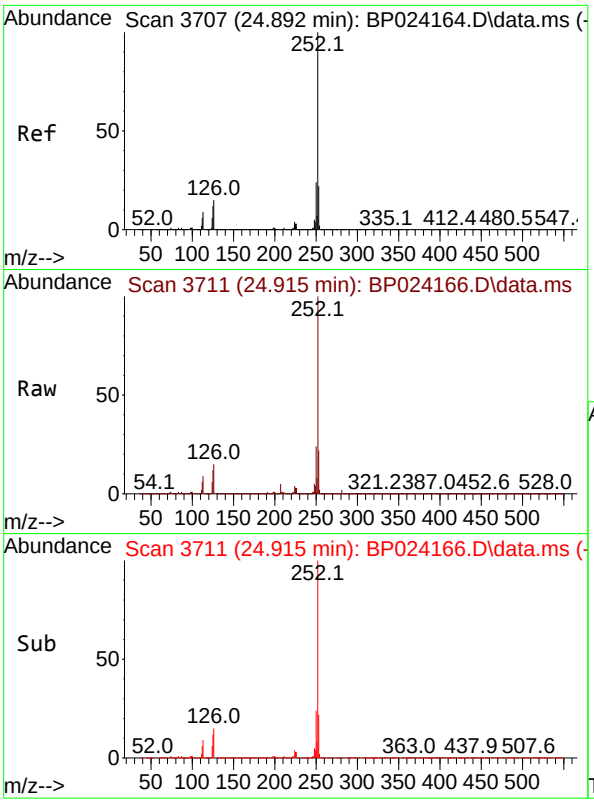




#89
Benzo(k)fluoranthene
Concen: 60.696 ng
RT: 24.068 min Scan# 3567
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



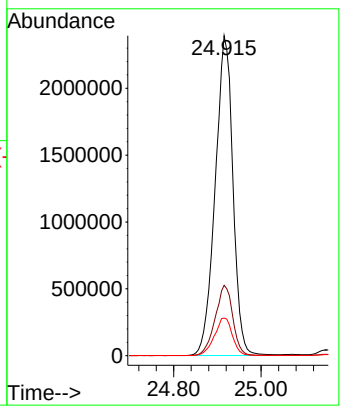


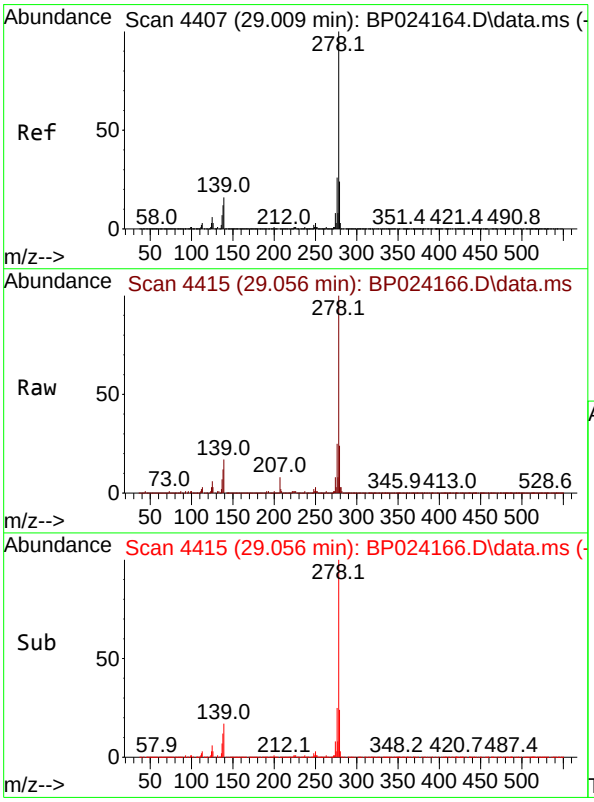

#90
Benzo(a)pyrene
Concen: 62.275 ng
RT: 24.915 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |

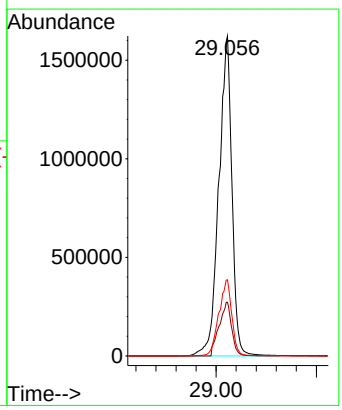


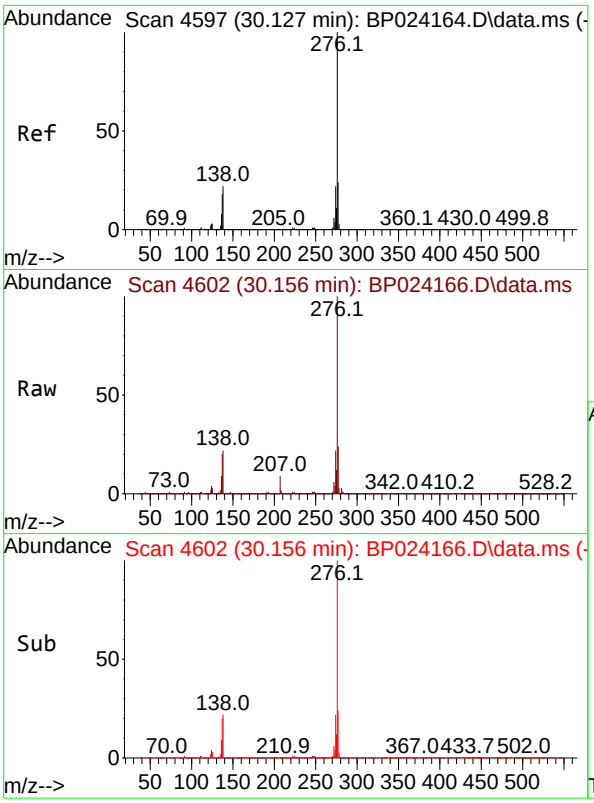




#91
Dibenzo(a,h)anthracene
Concen: 61.510 ng
RT: 29.056 min Scan# 4415
Delta R.T. 0.047 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

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 |



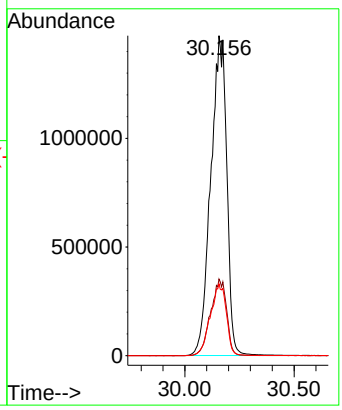



#92
Benzo(g,h,i)perylene
Concen: 61.593 ng
RT: 30.156 min Scan# 4
Delta R.T. 0.029 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

**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 |



ICAL Form

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 |

ICAL Form

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 |

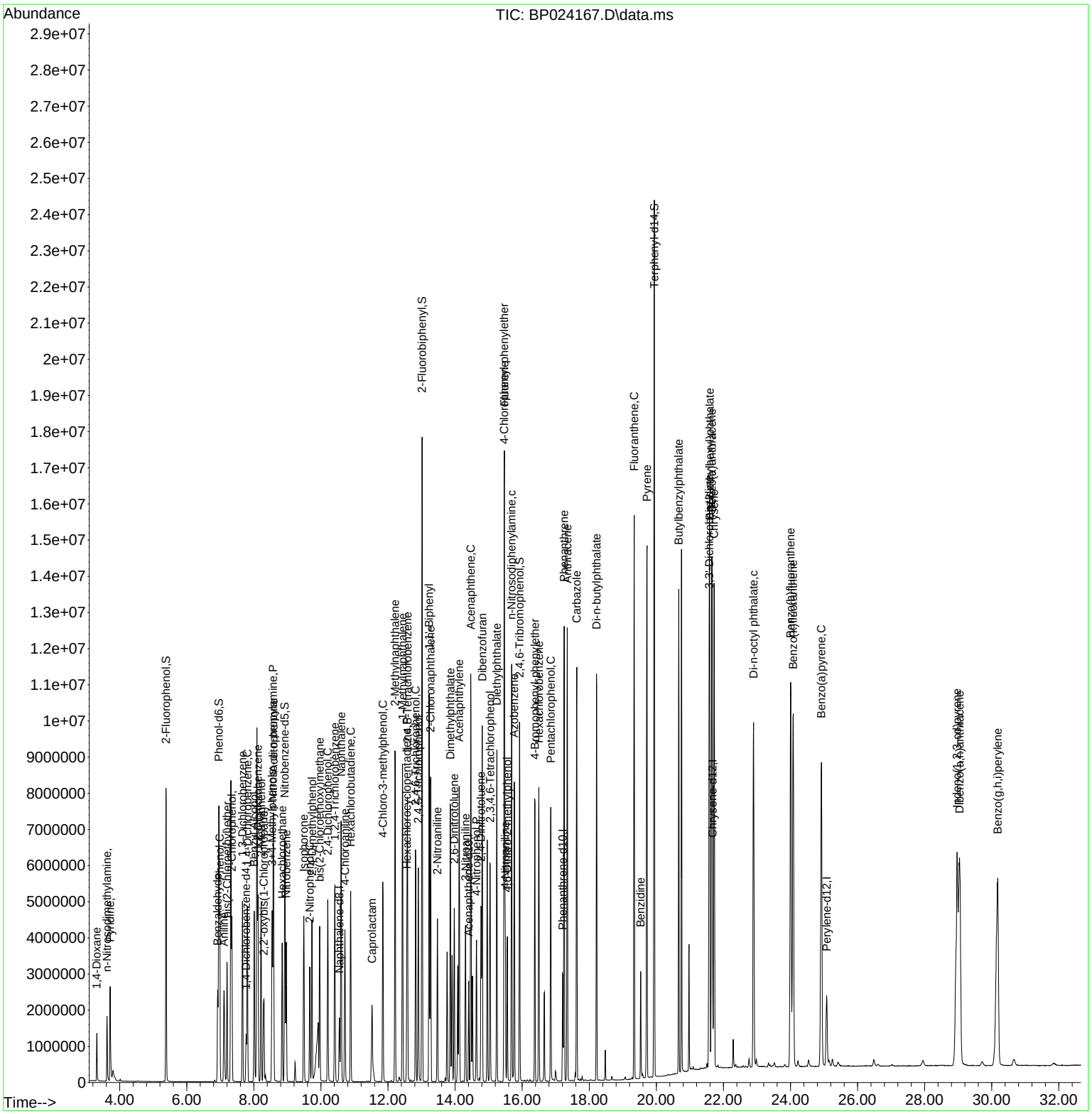
(#) = qualifier out of range (m) = manual integration (+) = signals summed

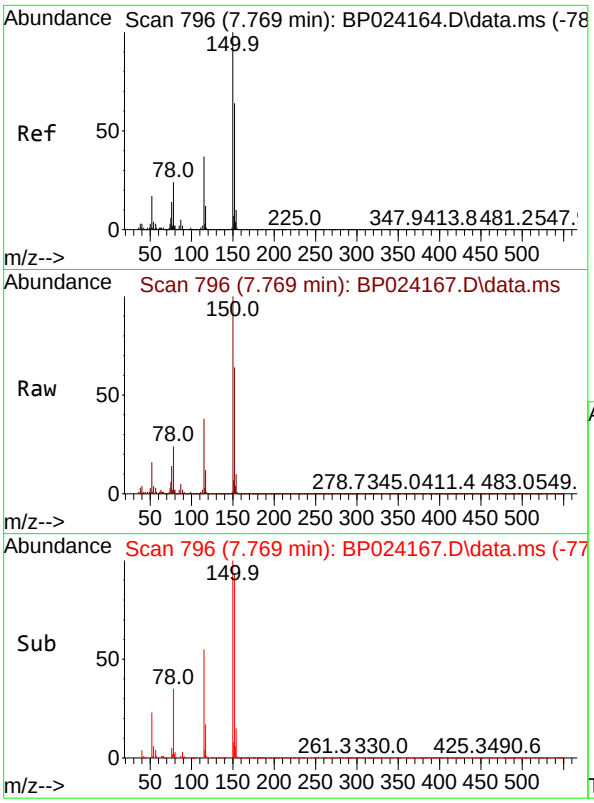
ICAL Form

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



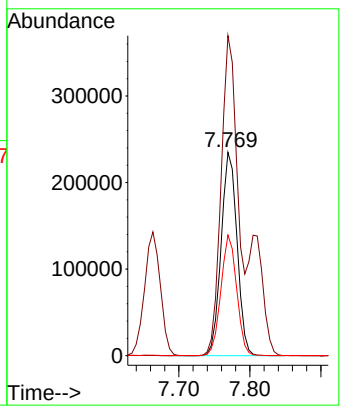


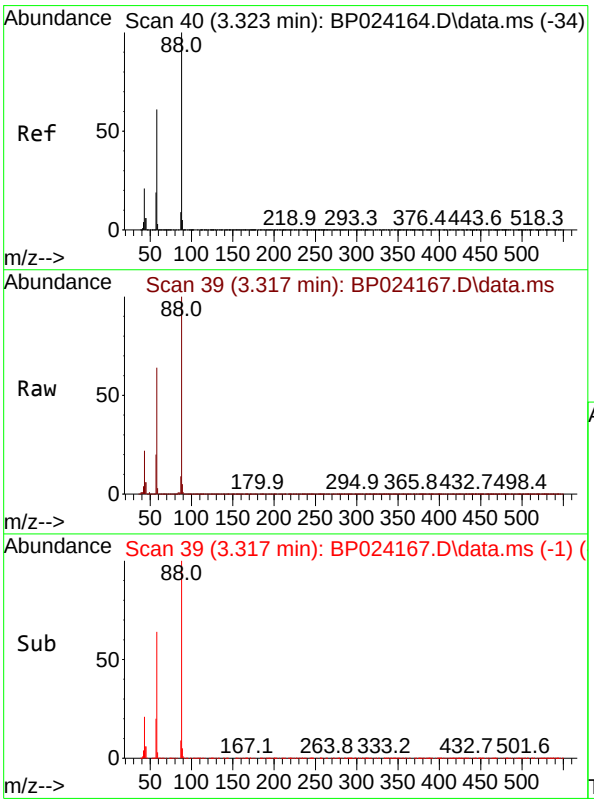

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

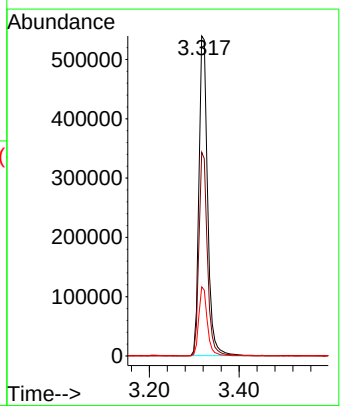


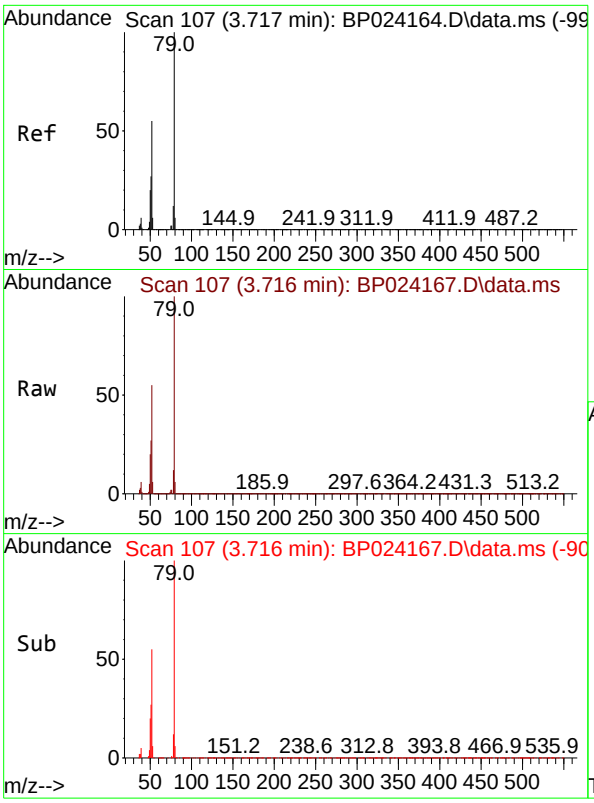




#2
1,4-Dioxane
Concen: 78.401 ng
RT: 3.317 min Scan# 39
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



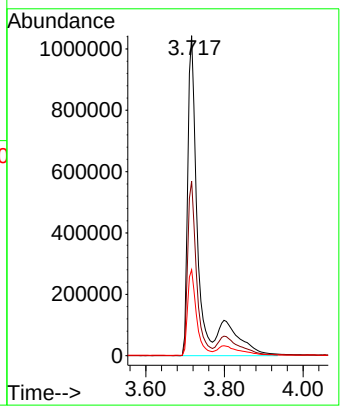


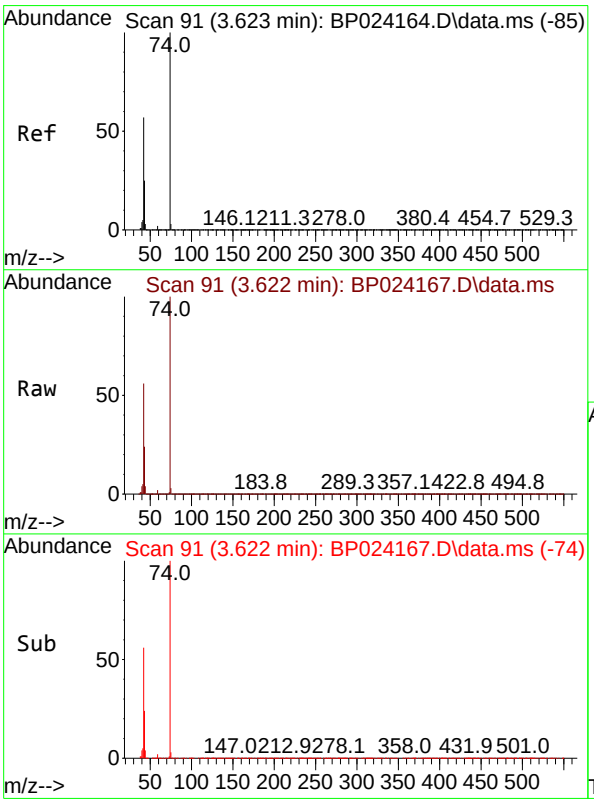

#3
Pyridine
Concen: 87.444 ng m
RT: 3.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

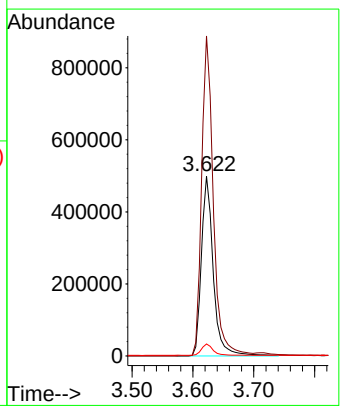


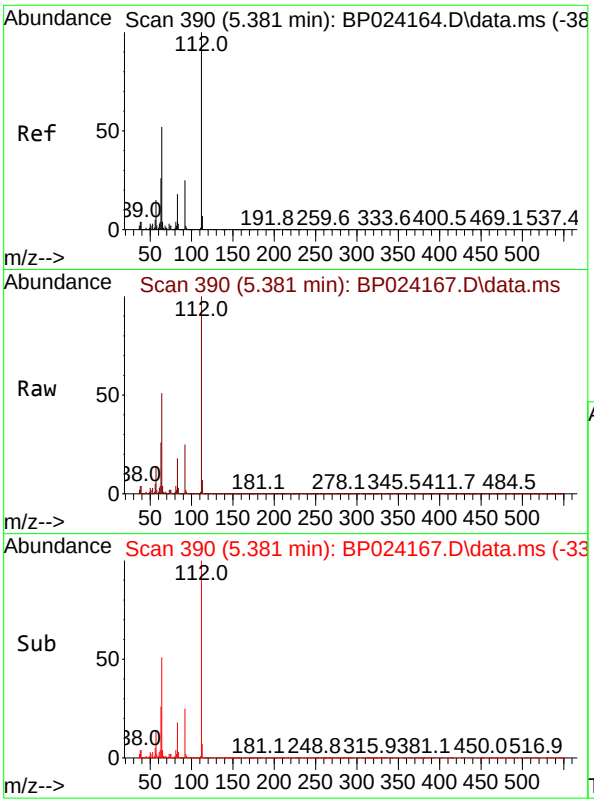




#4
n-Nitrosodimethylamine
Concen: 79.479 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



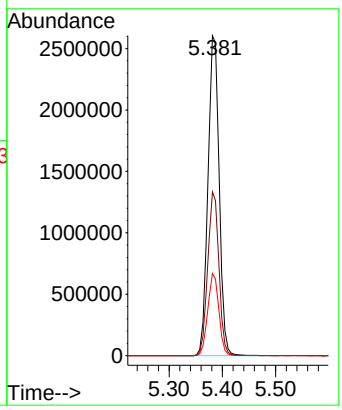


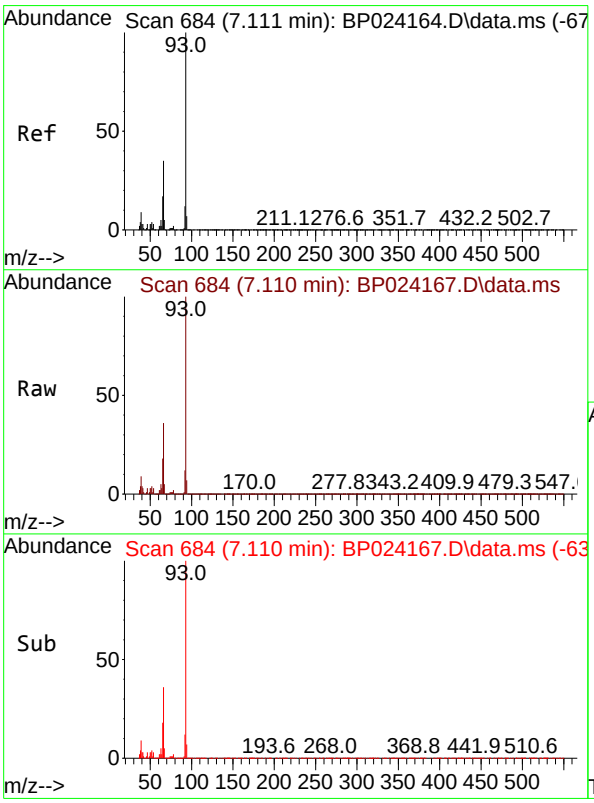

#5
2-Fluorophenol
Concen: 162.591 ng
RT: 5.381 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

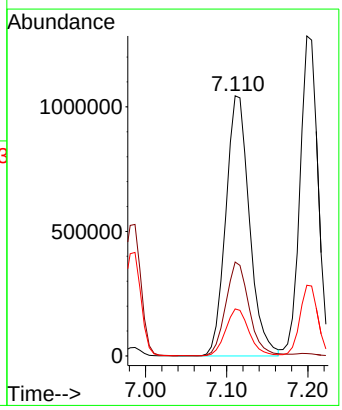


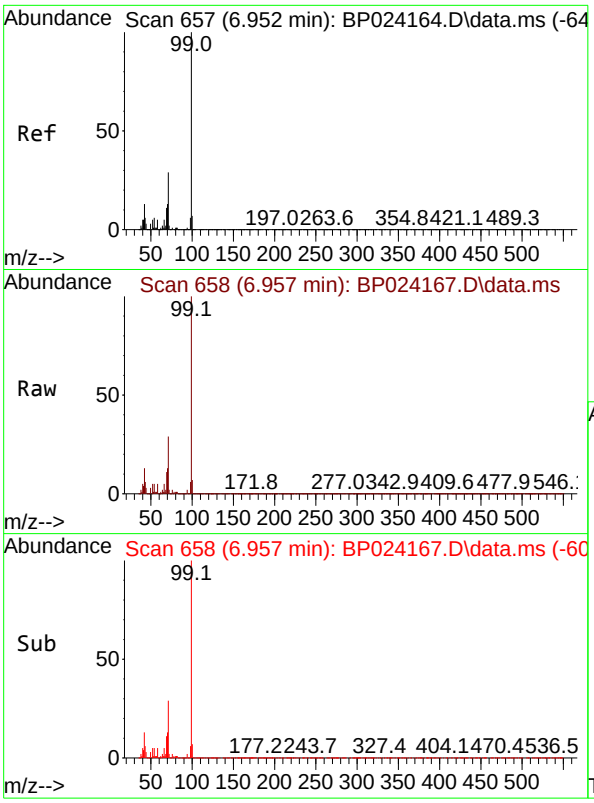




#6
Aniline
Concen: 76.717 ng
RT: 7.110 min Scan# 684
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



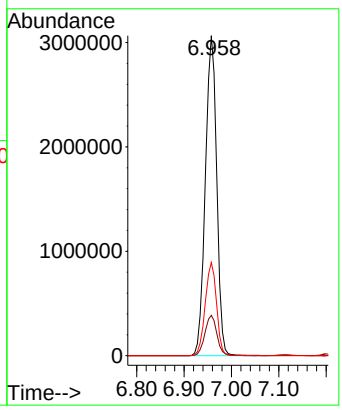


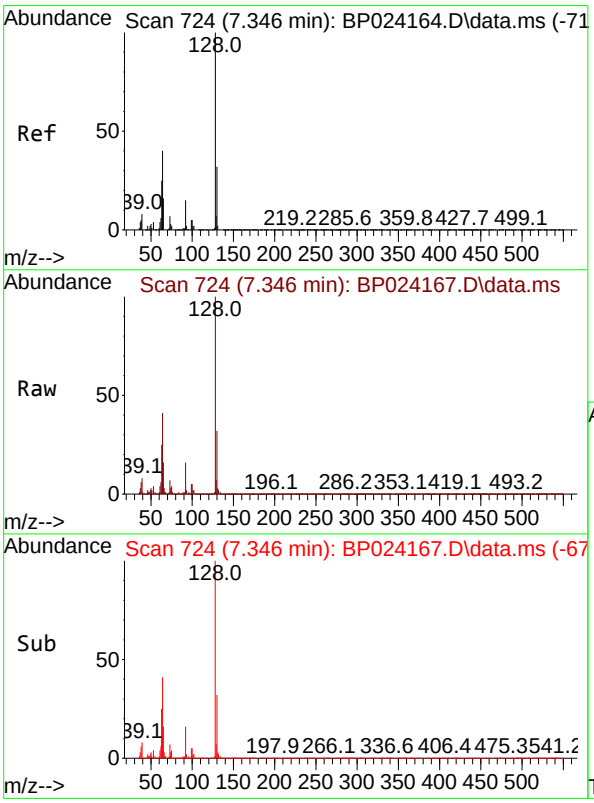

#7
Phenol-d6
Concen: 169.796 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

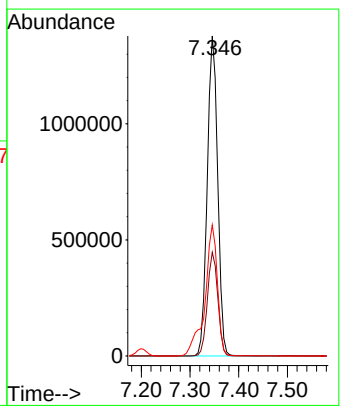


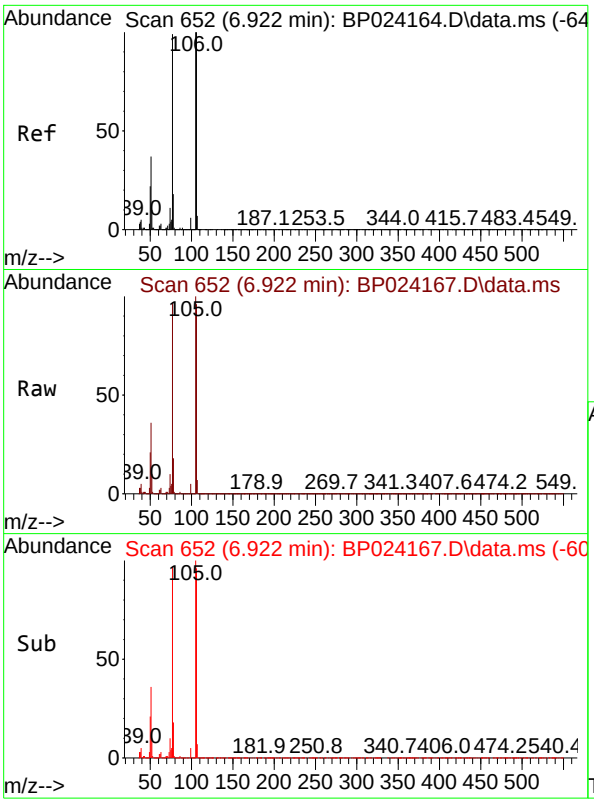




#8
2-Chlorophenol
Concen: 82.376 ng
RT: 7.346 min Scan# 724
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



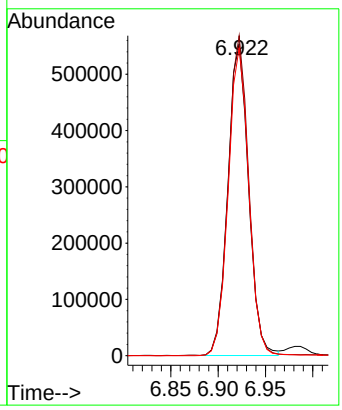


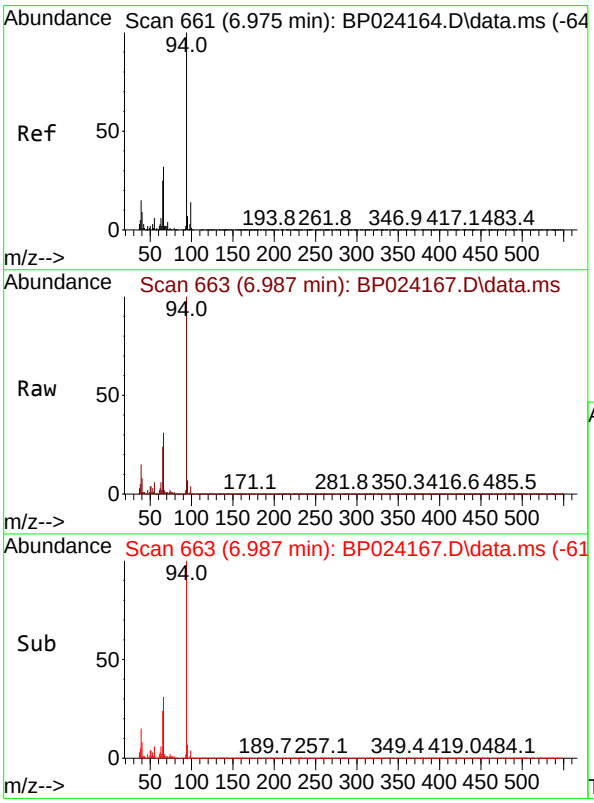

#9
Benzaldehyde
Concen: 61.412 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

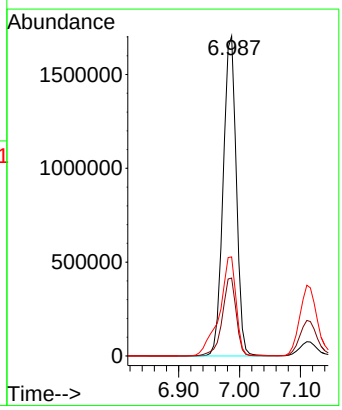


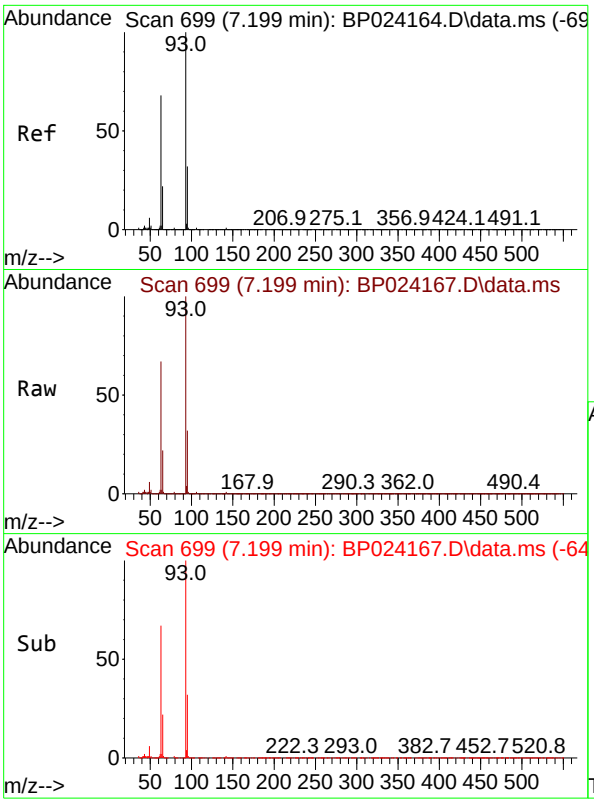




#10
Phenol
Concen: 84.573 ng
RT: 6.987 min Scan# 663
Delta R.T. 0.012 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



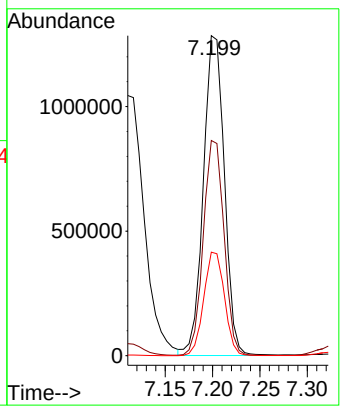


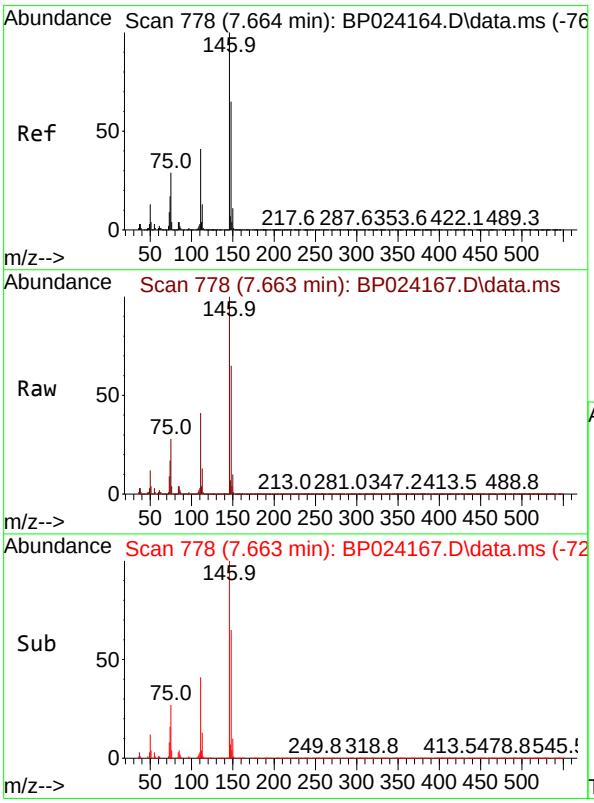

#11
bis(2-Chloroethyl)ether
Concen: 83.121 ng
RT: 7.199 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

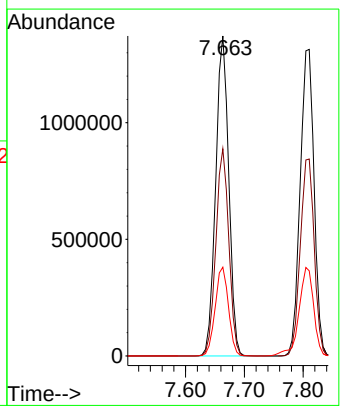


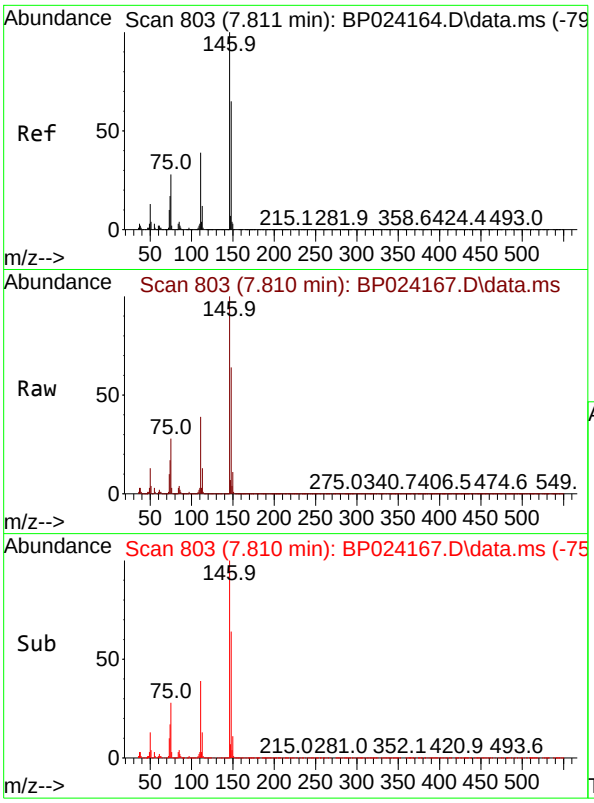




#12
1,3-Dichlorobenzene
Concen: 77.577 ng
RT: 7.663 min Scan# 778
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



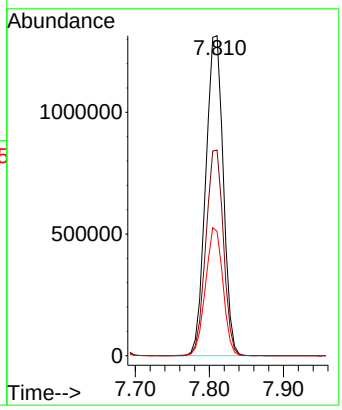


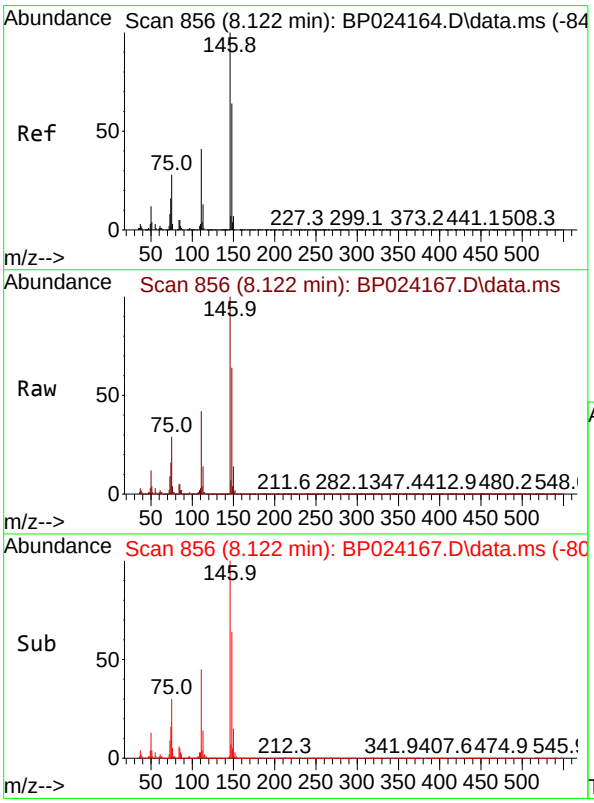

#13
1,4-Dichlorobenzene
Concen: 78.507 ng
RT: 7.810 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

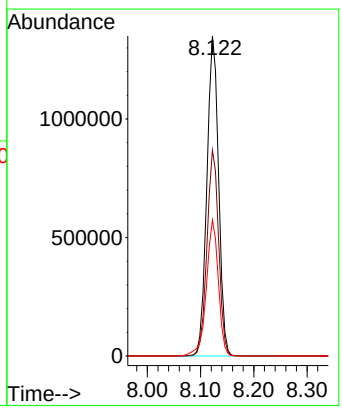


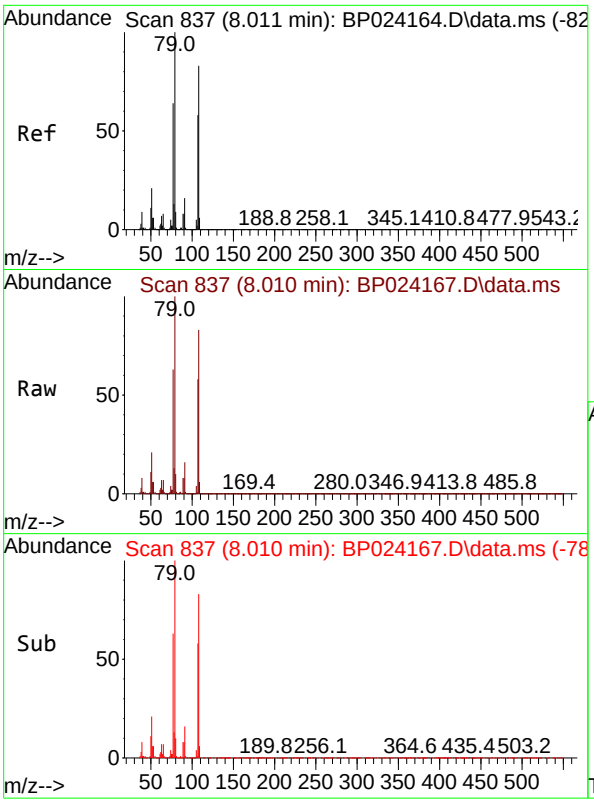




#14
1,2-Dichlorobenzene
Concen: 78.042 ng
RT: 8.122 min Scan# 856
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



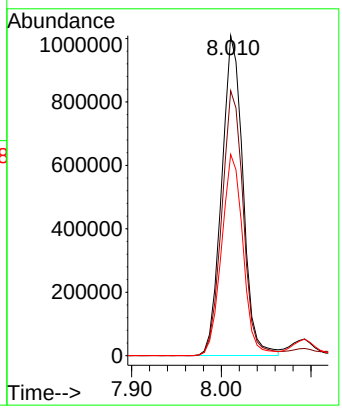


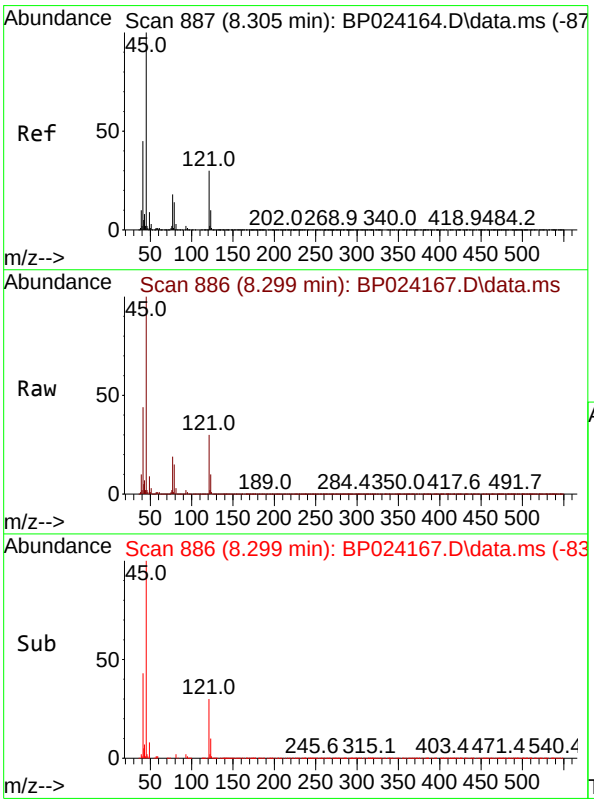

#15
Benzyl Alcohol
Concen: 90.370 ng
RT: 8.010 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

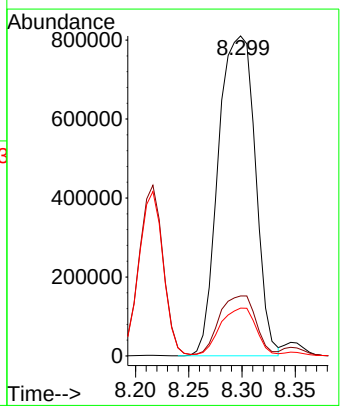


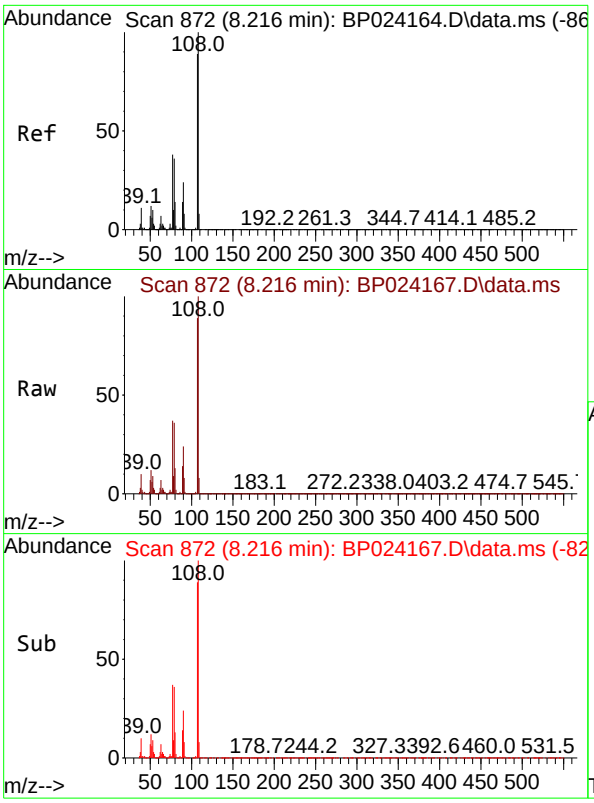




#16
2,2'-oxybis(1-Chloropropane)
Concen: 84.398 ng
RT: 8.299 min Scan# 886
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



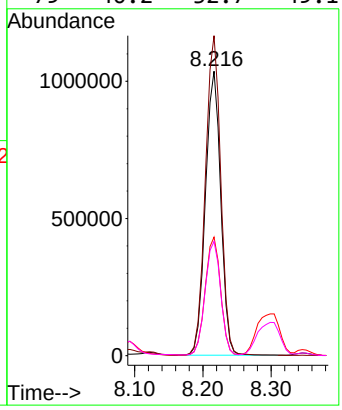


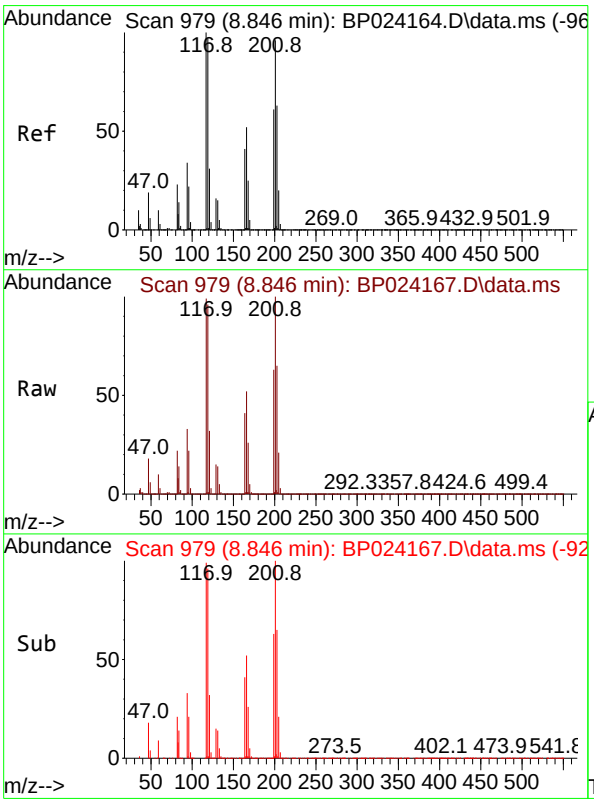

#17
2-Methylphenol
Concen: 87.877 ng
RT: 8.216 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

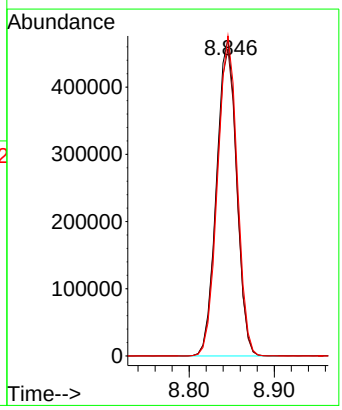


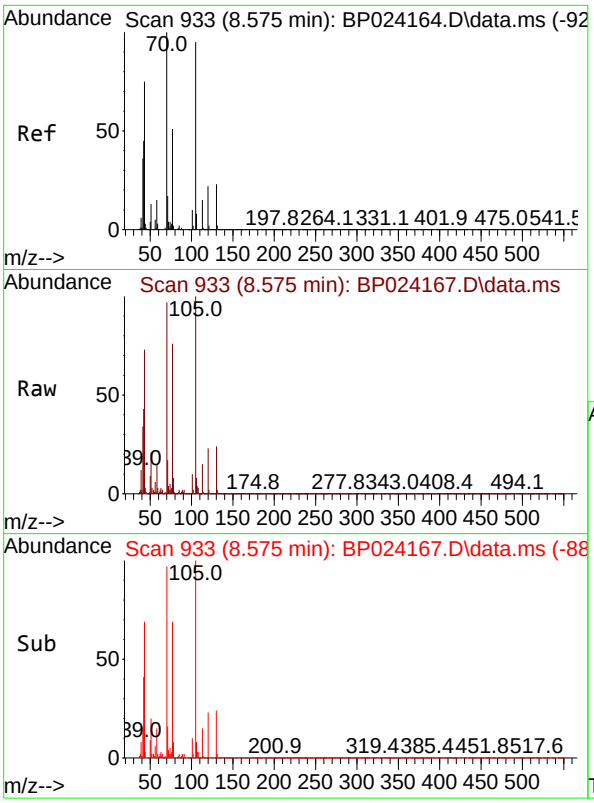




#18
Hexachloroethane
Concen: 78.037 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



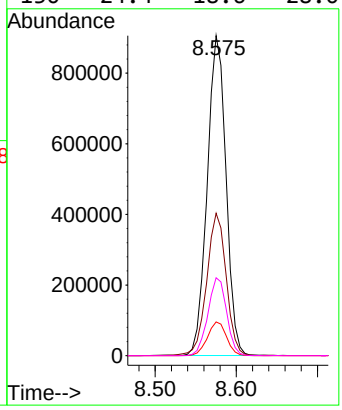


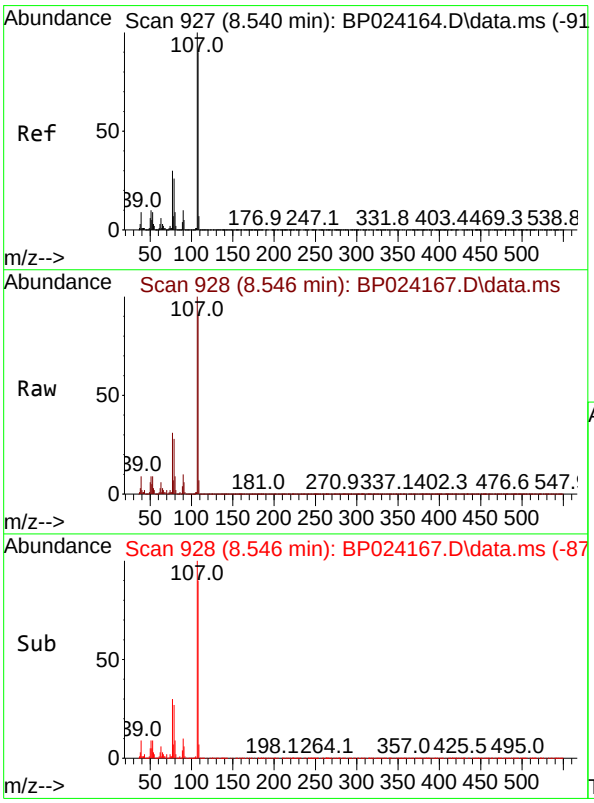

#19
n-Nitroso-di-n-propylamine
Concen: 90.027 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

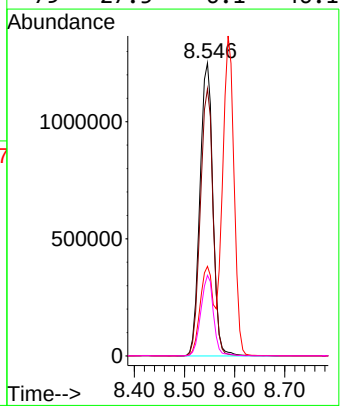


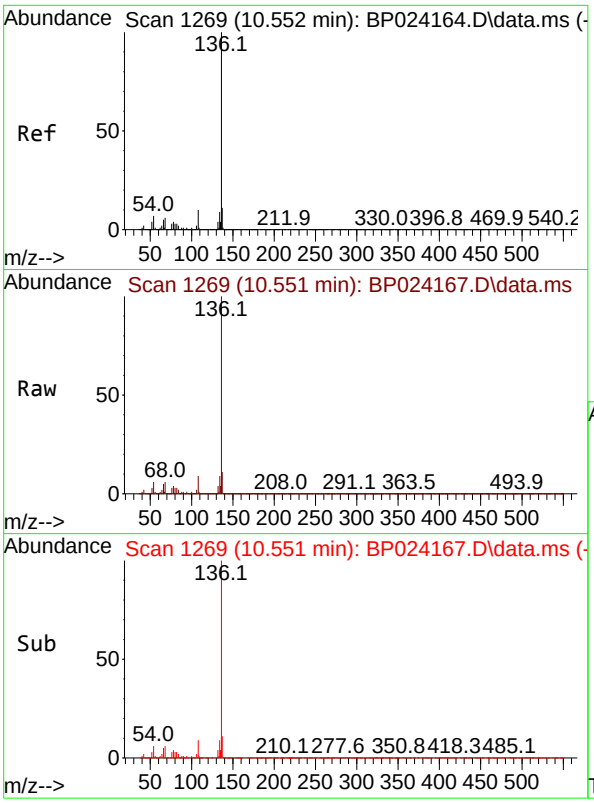




#20
3+4-Methylphenols
Concen: 89.384 ng
RT: 8.546 min Scan# 928
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



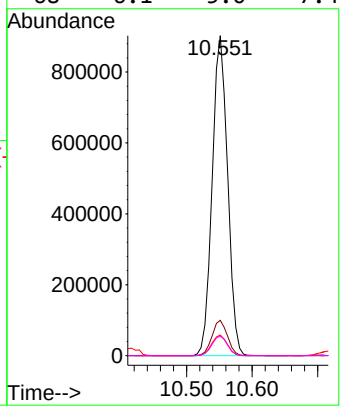


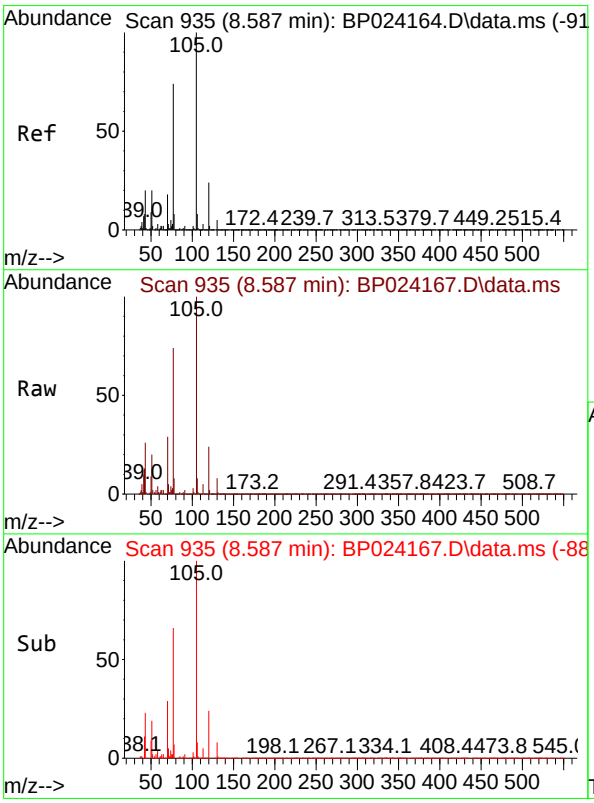

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.551 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

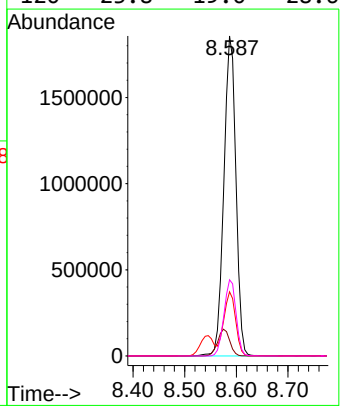


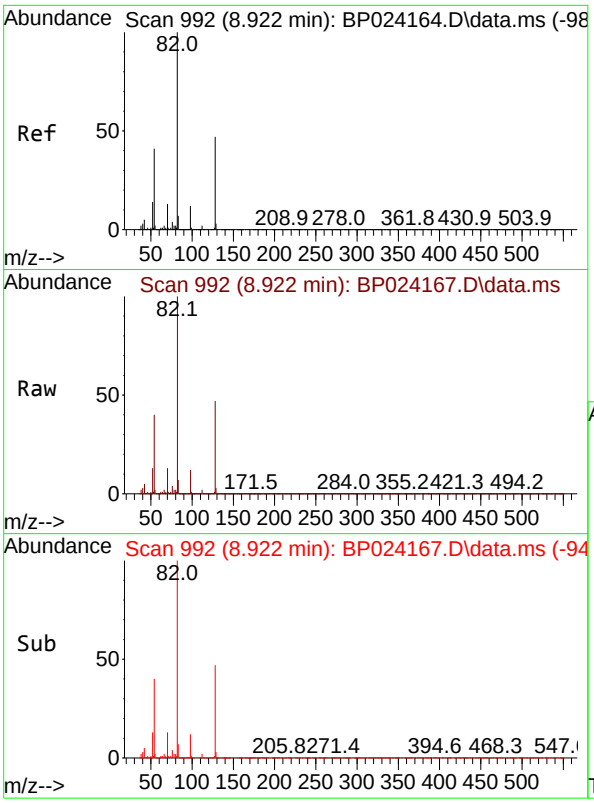




#22
Acetophenone
Concen: 79.697 ng
RT: 8.587 min Scan# 935
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



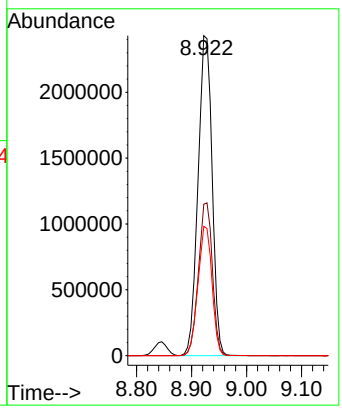


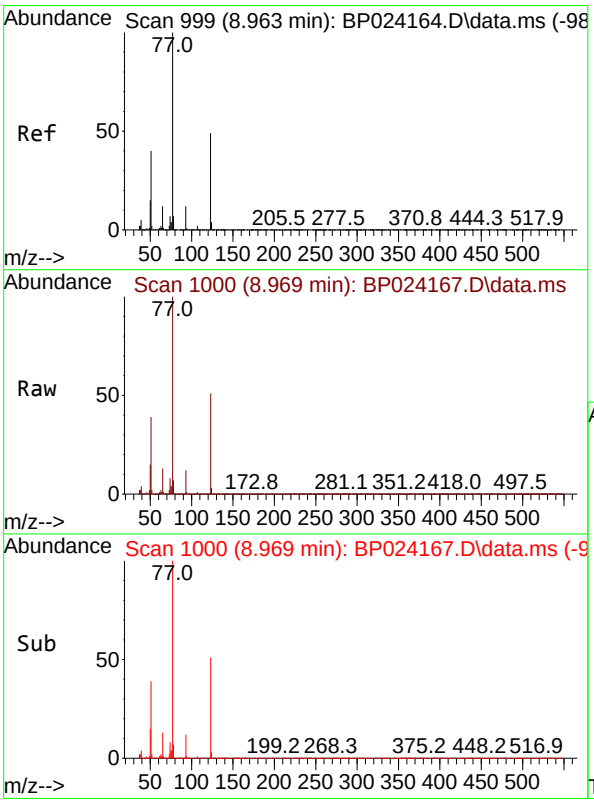

#23
Nitrobenzene-d5
Concen: 163.878 ng
RT: 8.922 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

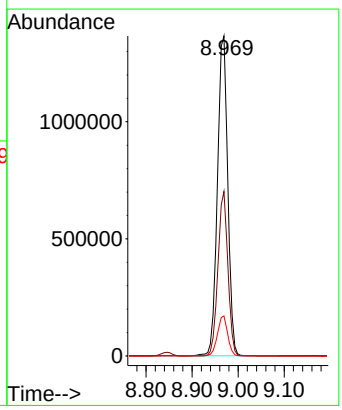


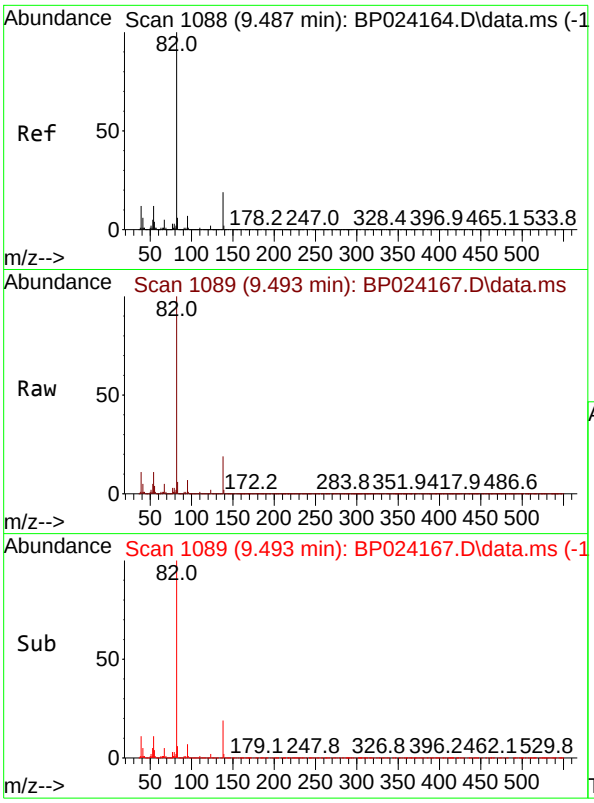




#24
Nitrobenzene
Concen: 81.768 ng
RT: 8.969 min Scan# 1000
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



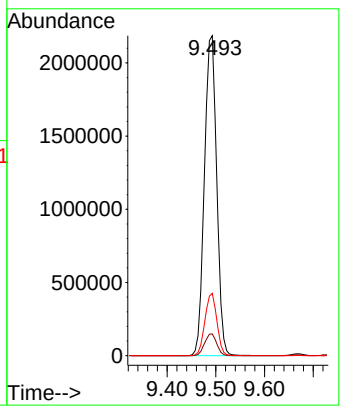


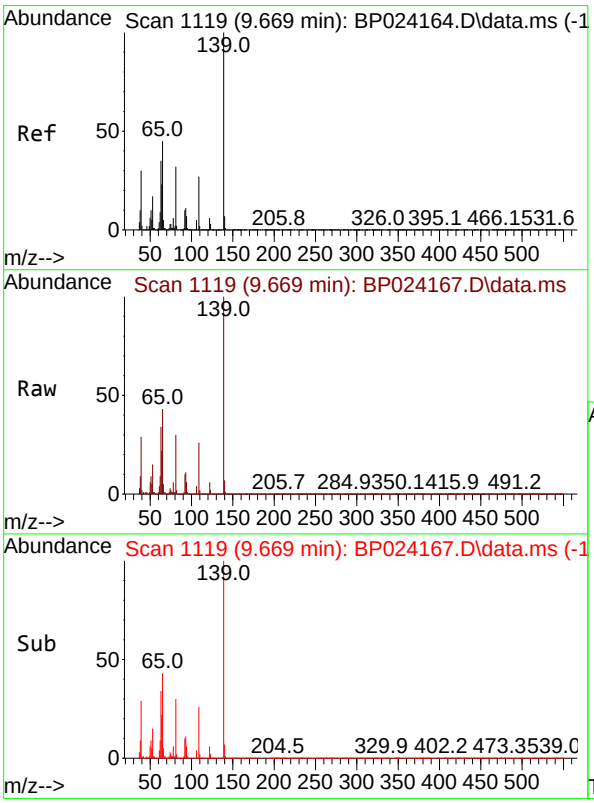

#25
Isophorone
Concen: 88.570 ng
RT: 9.493 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

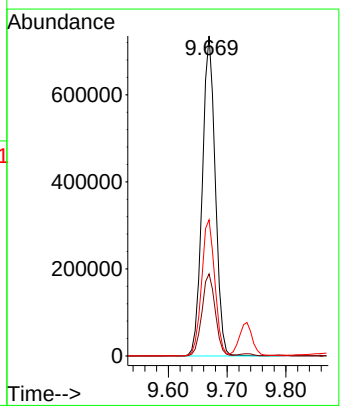


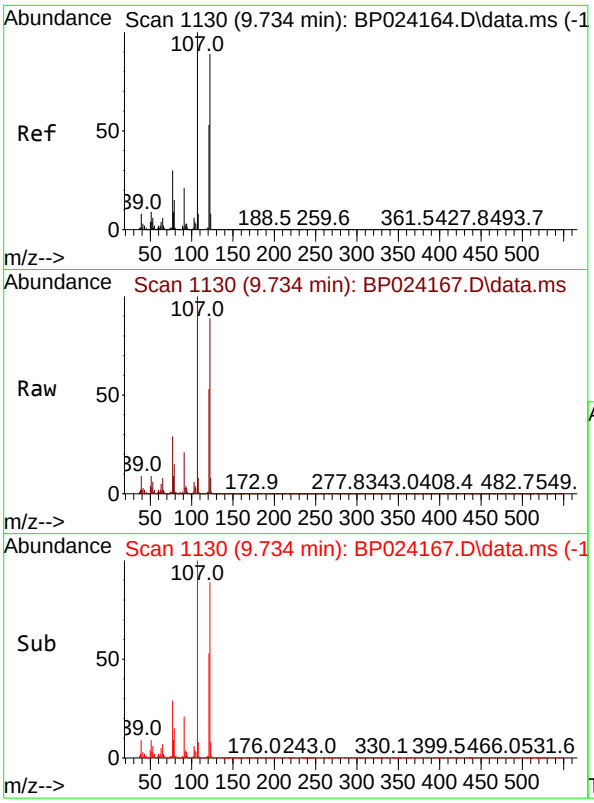




#26
2-Nitrophenol
Concen: 94.646 ng
RT: 9.669 min Scan# 1119
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



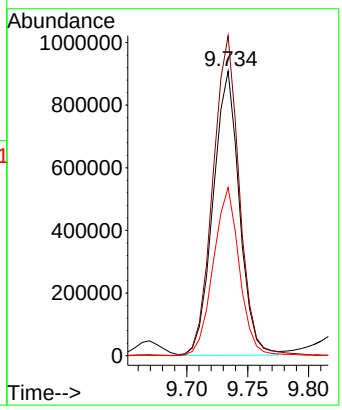


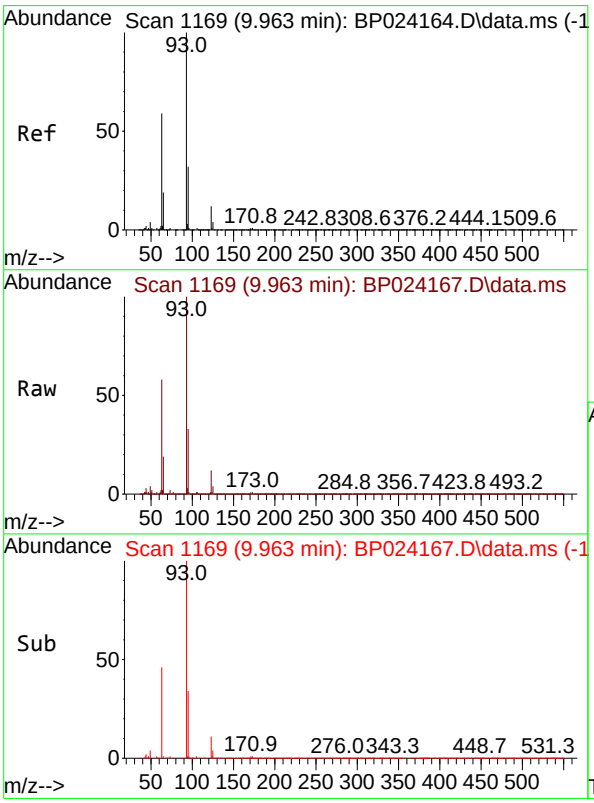

#27
2,4-Dimethylphenol
Concen: 86.904 ng
RT: 9.734 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

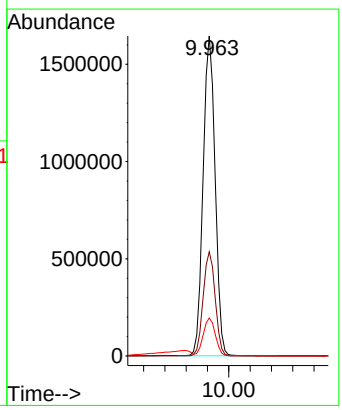


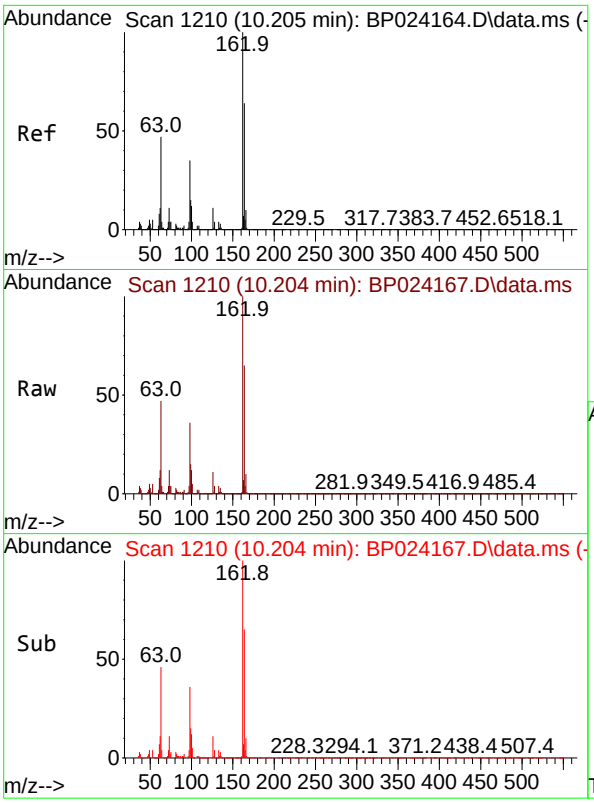




#28
bis(2-Chloroethoxy)methane
Concen: 82.625 ng
RT: 9.963 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



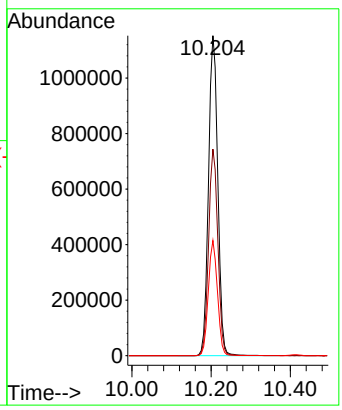


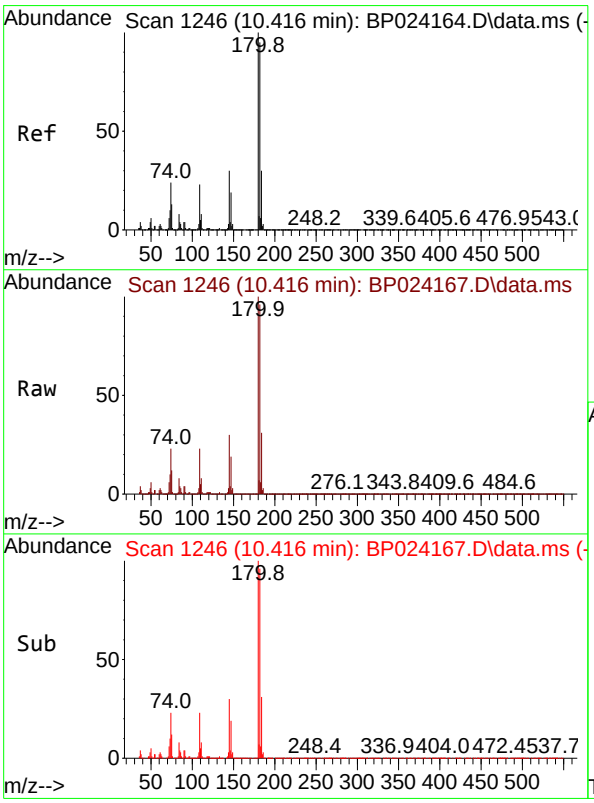

#29
2,4-Dichlorophenol
Concen: 87.724 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

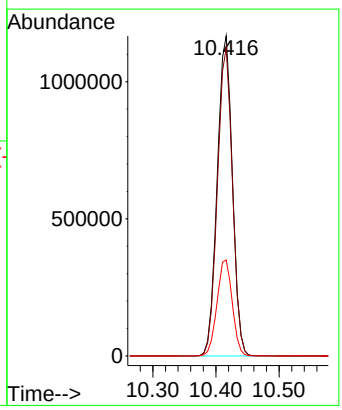


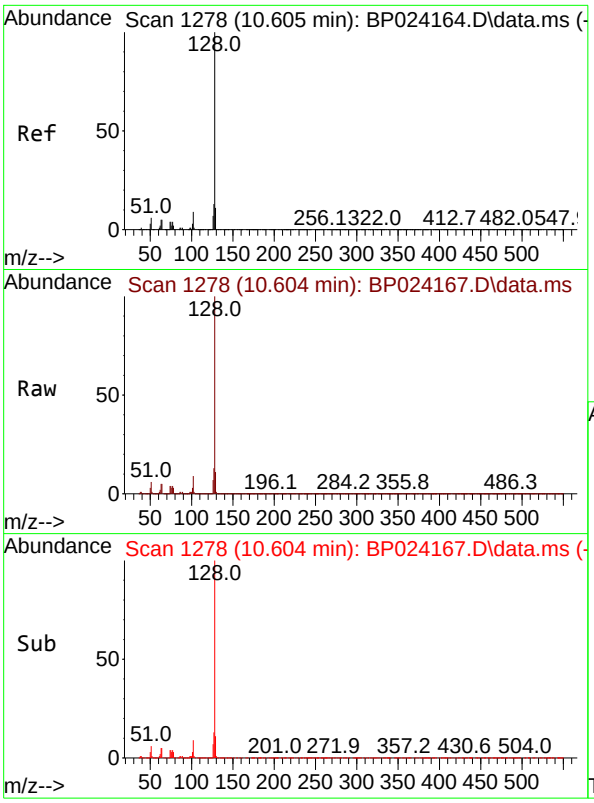




#30
1,2,4-Trichlorobenzene
Concen: 79.431 ng
RT: 10.416 min Scan# 1246
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



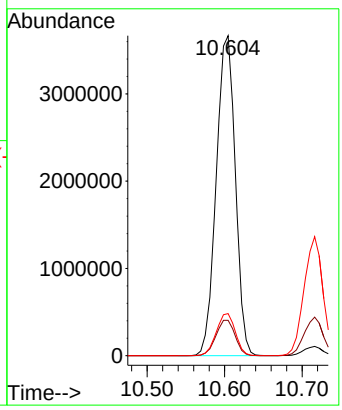


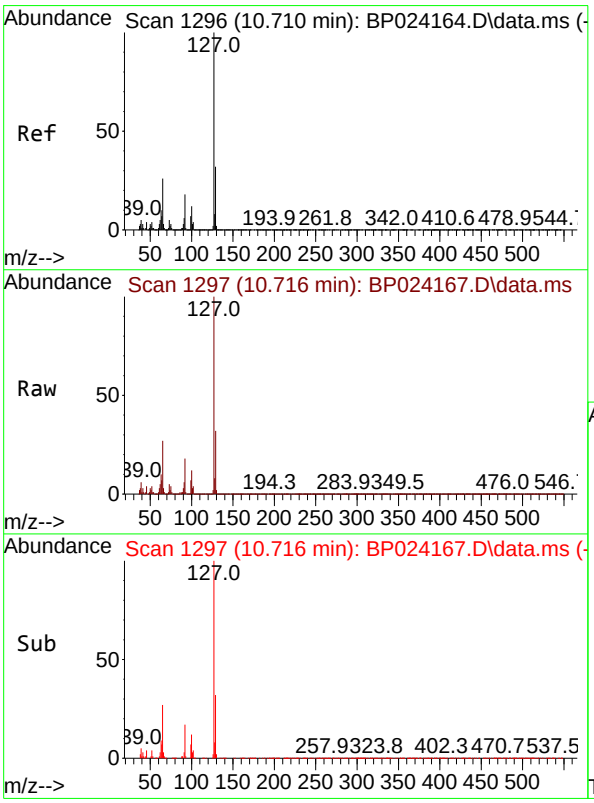

#31
Naphthalene
Concen: 79.507 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

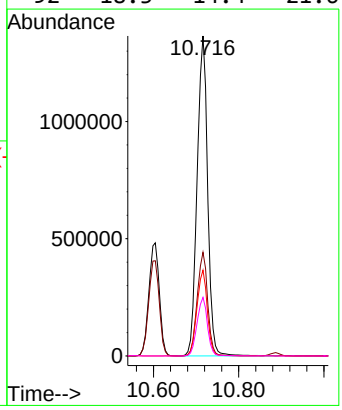


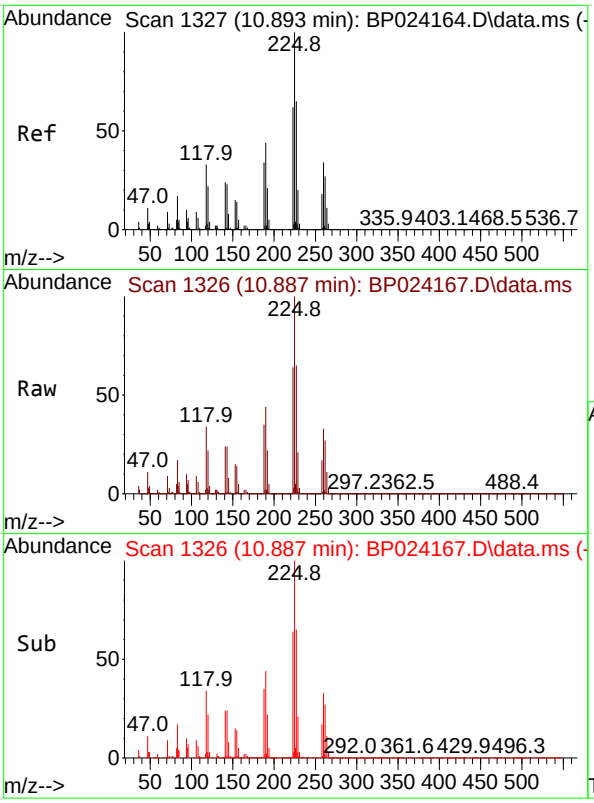




#33
4-Chloroaniline
Concen: 83.990 ng
RT: 10.716 min Scan# 1297
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



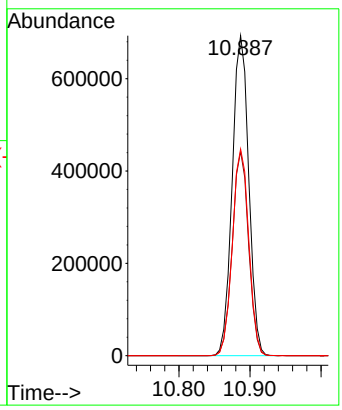


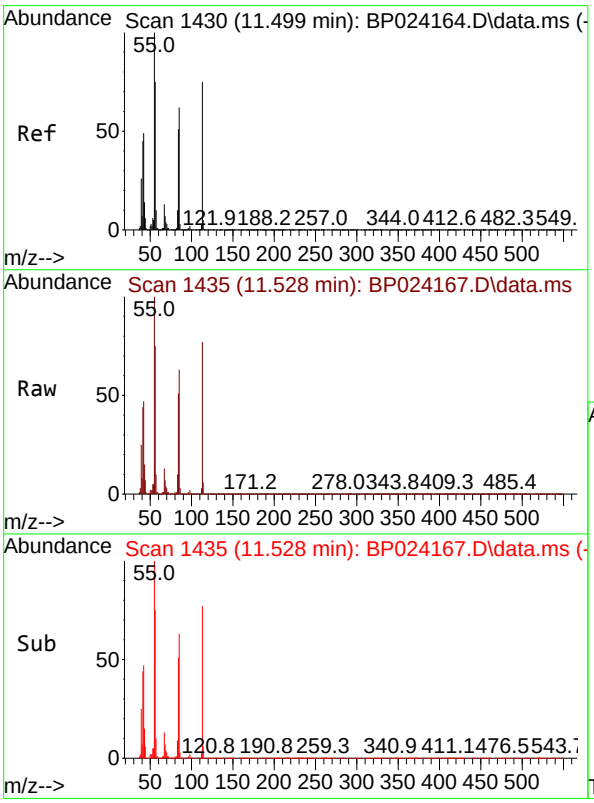

#34
Hexachlorobutadiene
Concen: 79.213 ng
RT: 10.887 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

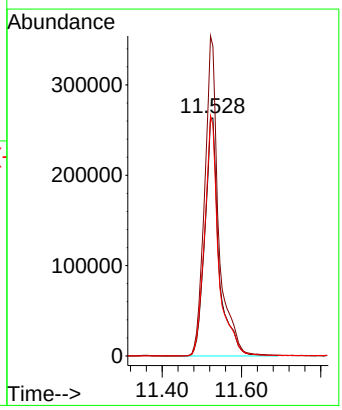


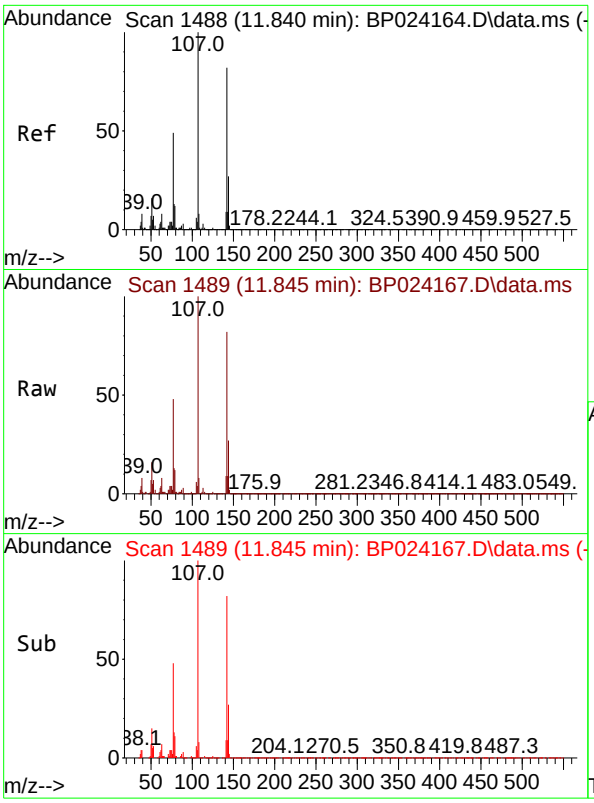




#35
Caprolactam
Concen: 101.156 ng
RT: 11.528 min Scan# 1435
Delta R.T. 0.029 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



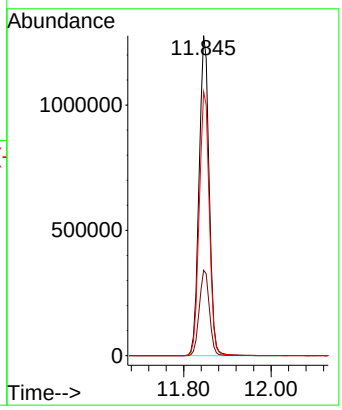


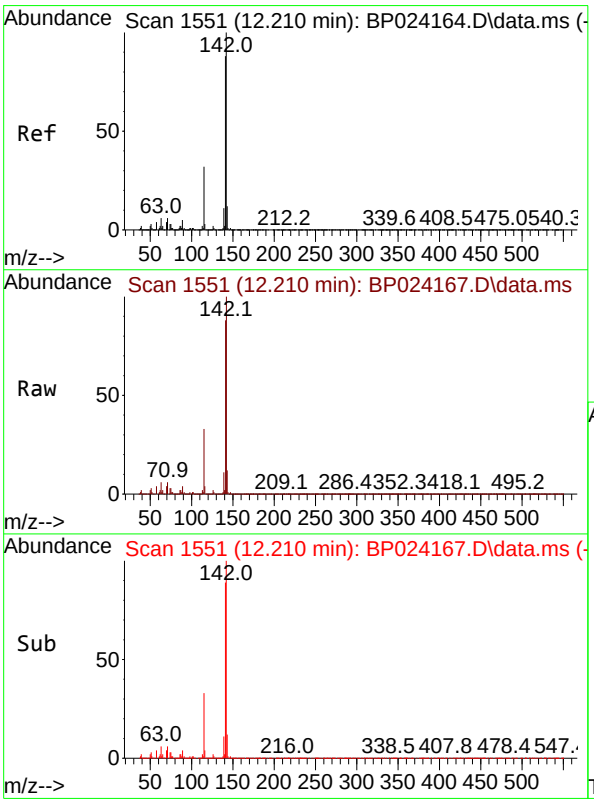

#36
4-Chloro-3-methylphenol
Concen: 92.924 ng
RT: 11.845 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

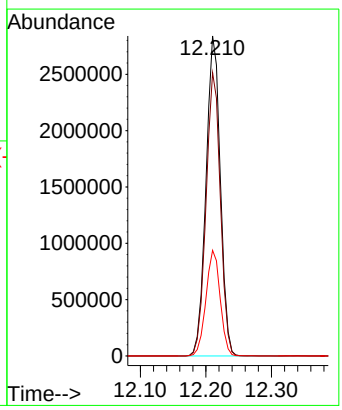


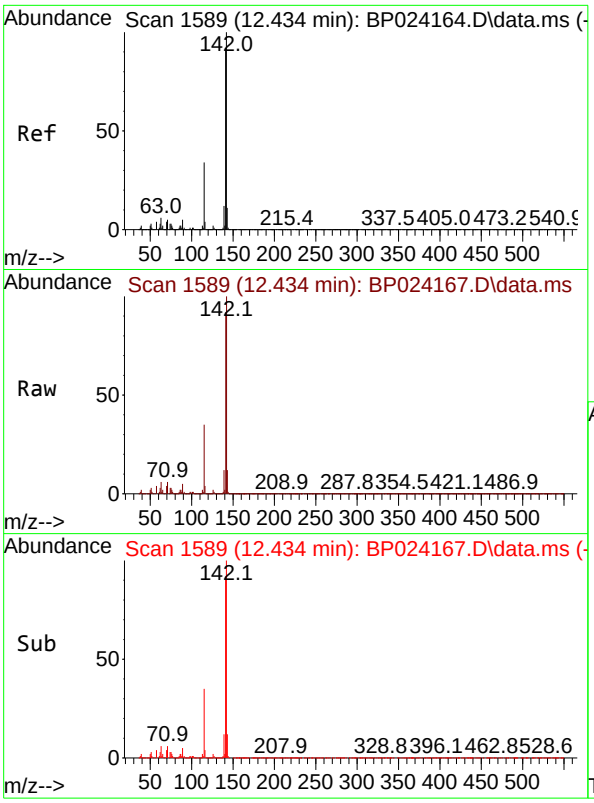




#37
2-Methylnaphthalene
Concen: 82.244 ng
RT: 12.210 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



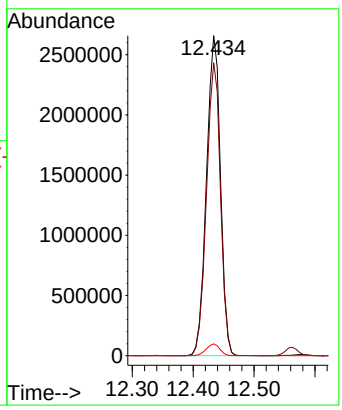


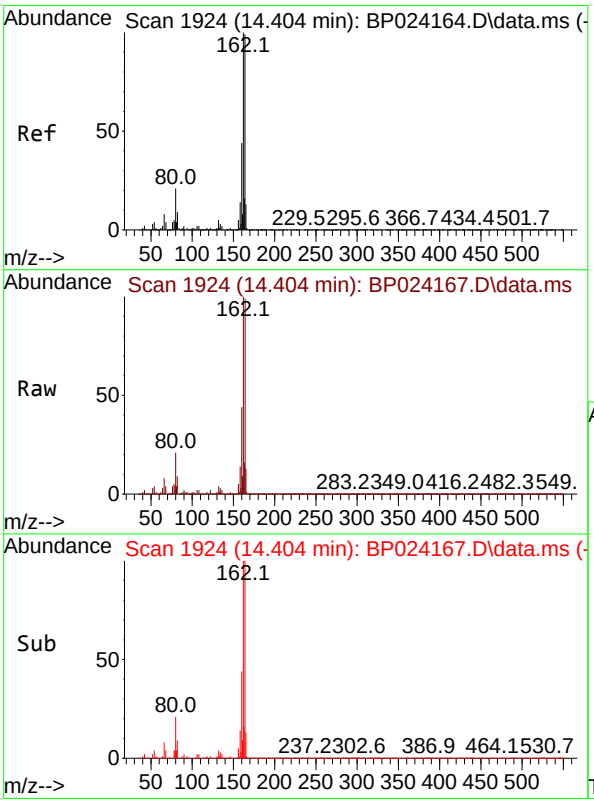

#38
1-Methylnaphthalene
Concen: 82.791 ng
RT: 12.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

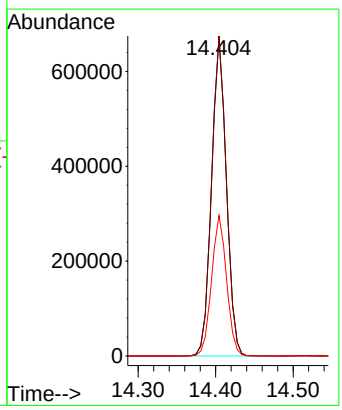


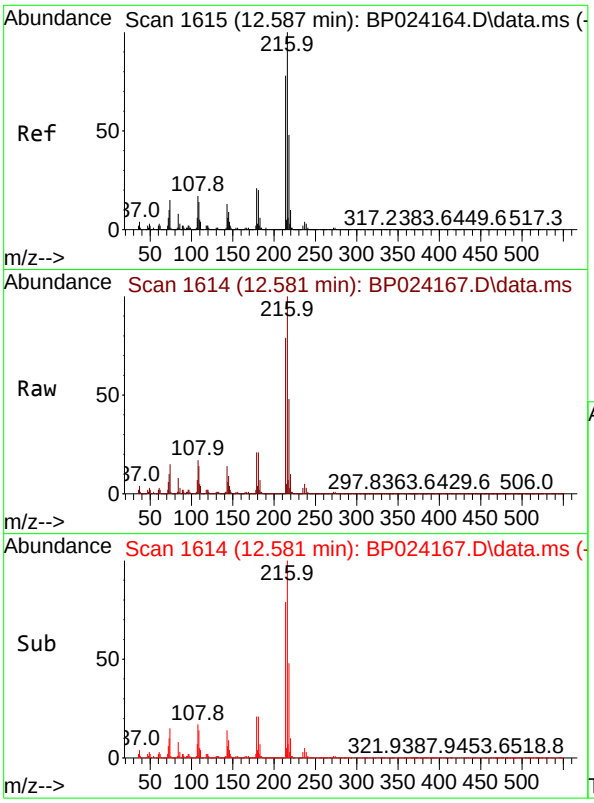




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



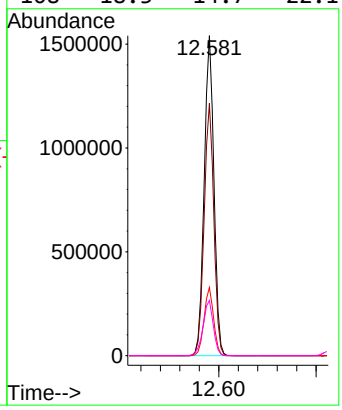


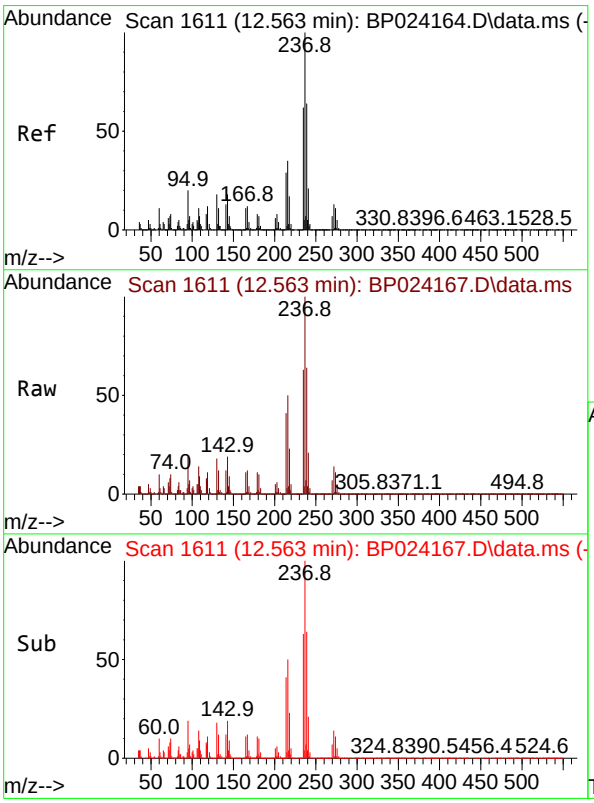

#40
1,2,4,5-Tetrachlorobenzene
Concen: 77.644 ng
RT: 12.581 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

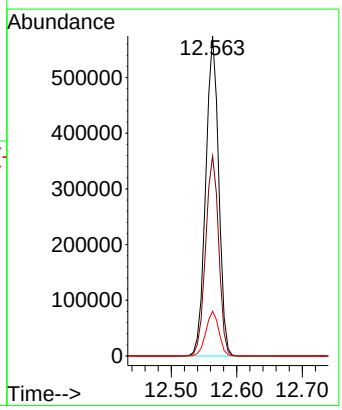


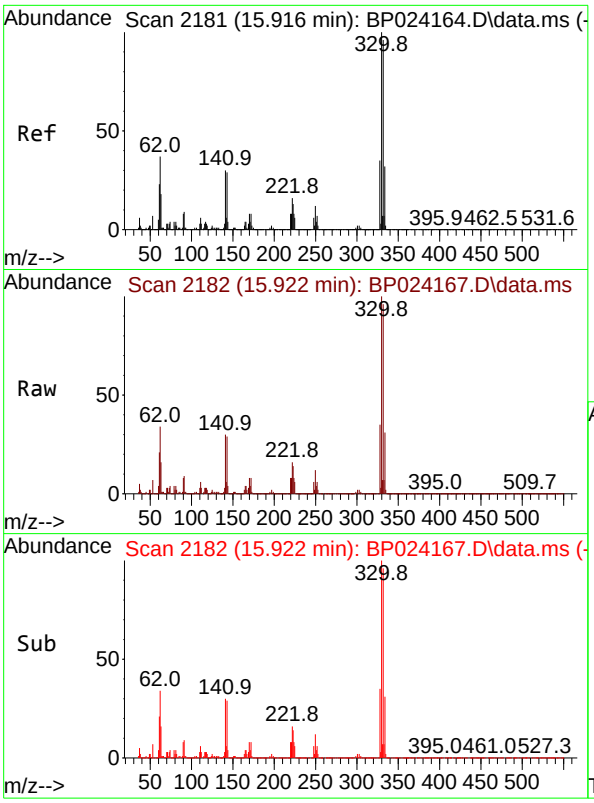




#41
Hexachlorocyclopentadiene
Concen: 77.633 ng
RT: 12.563 min Scan# 1611
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



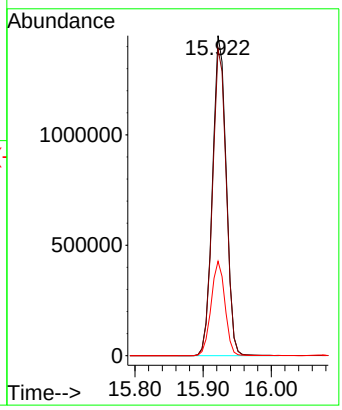


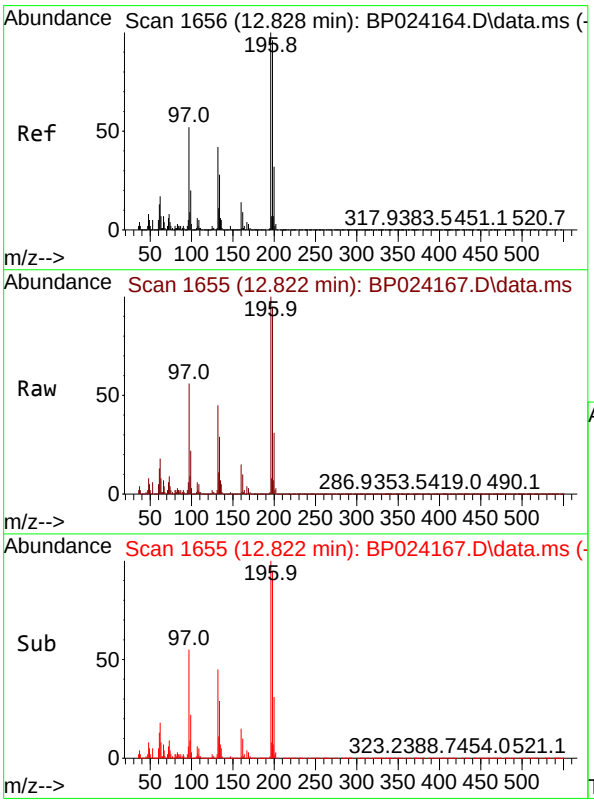

#42
2,4,6-Tribromophenol
Concen: 186.035 ng
RT: 15.922 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

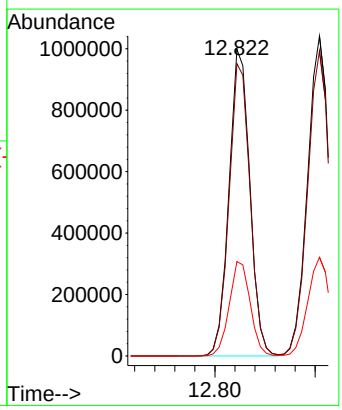


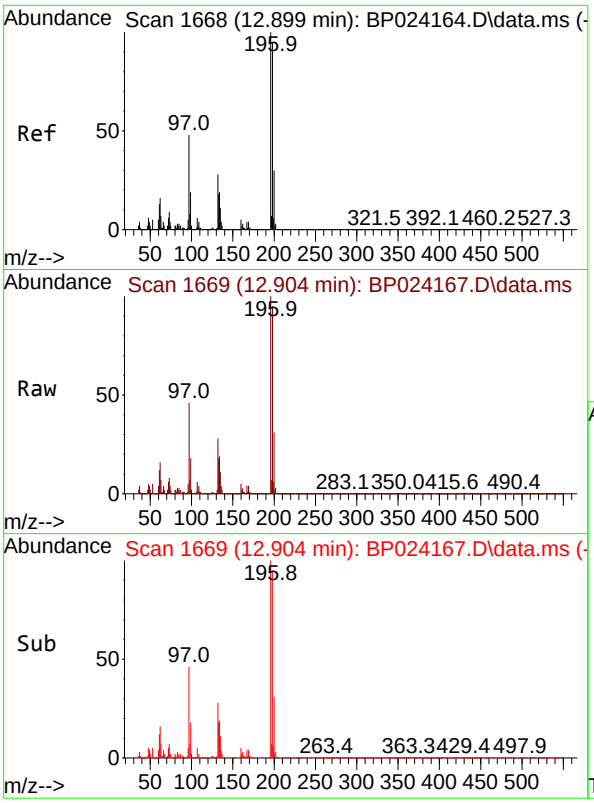




#43
2,4,6-Trichlorophenol
Concen: 86.697 ng
RT: 12.822 min Scan# 1655
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



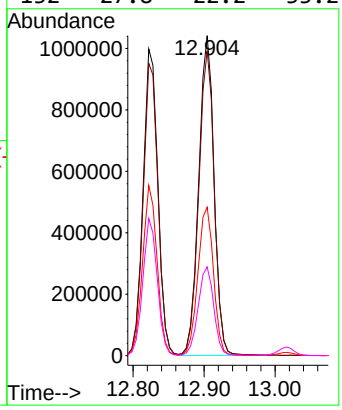


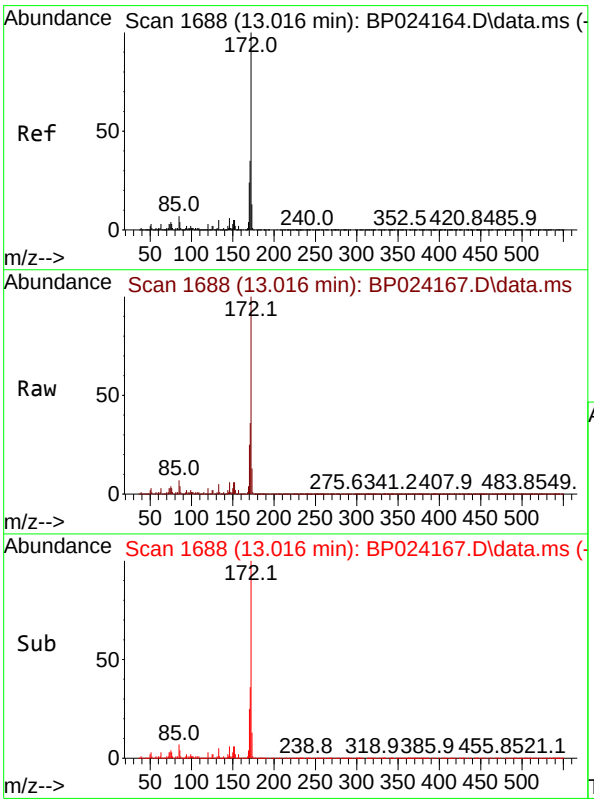

#44
2,4,5-Trichlorophenol
Concen: 86.506 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

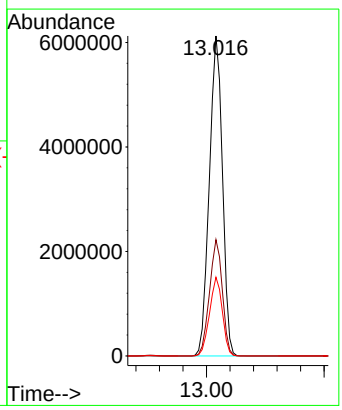


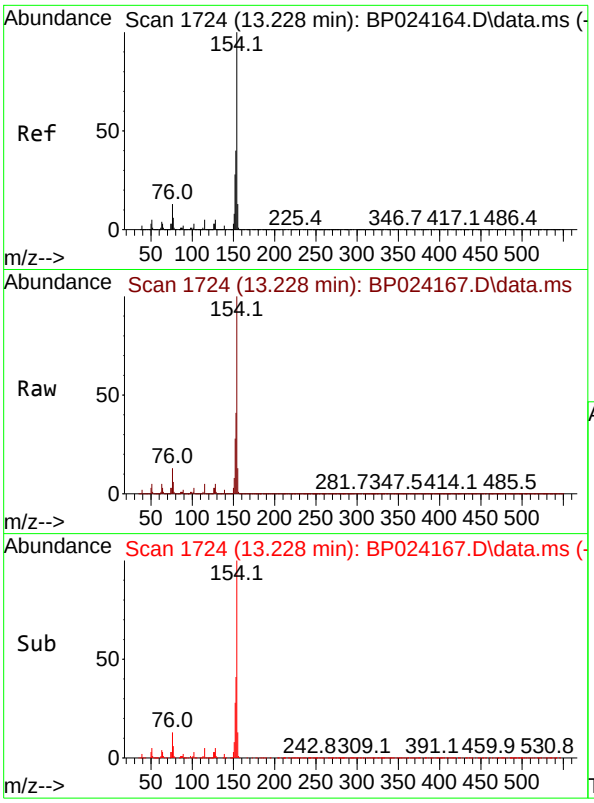




#45
2-Fluorobiphenyl
Concen: 148.993 ng
RT: 13.016 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



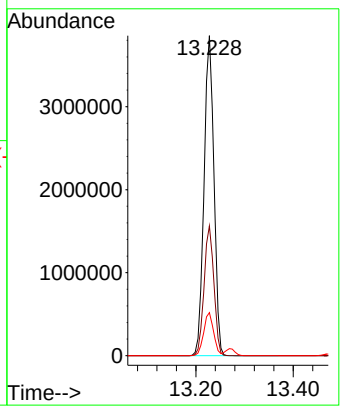


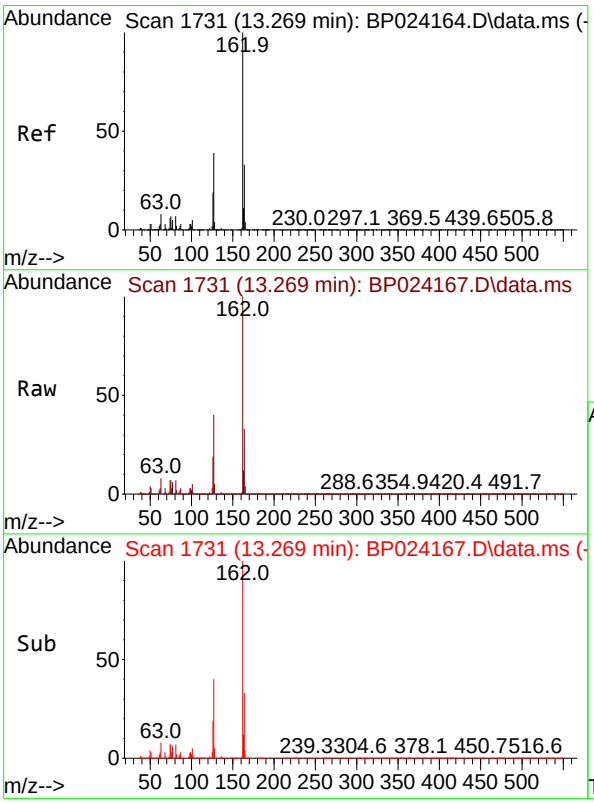

#46
1,1'-Biphenyl
Concen: 78.284 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

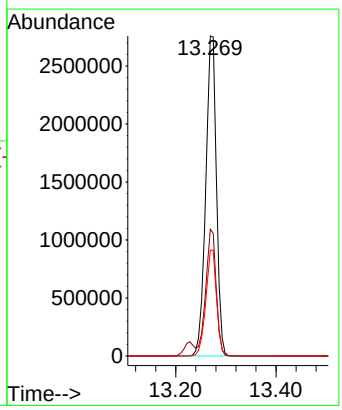


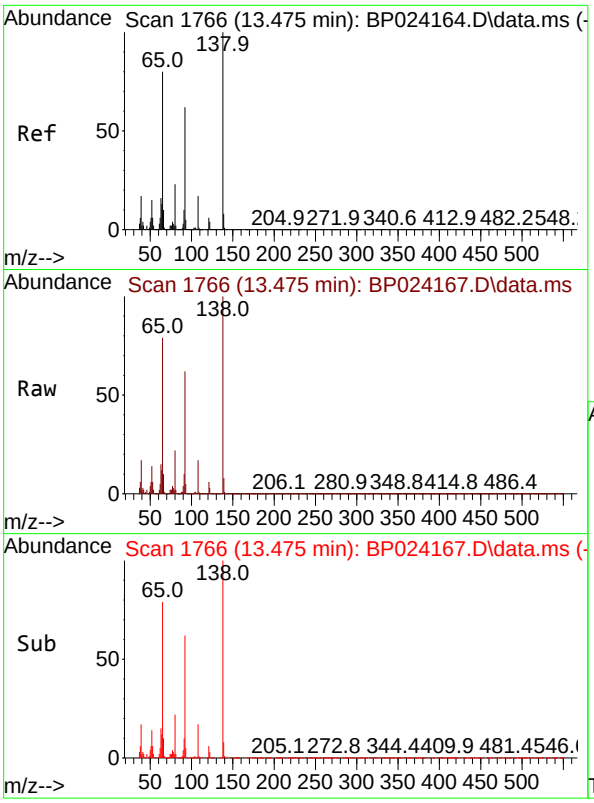




#47
2-Chloronaphthalene
Concen: 78.432 ng
RT: 13.269 min Scan# 1731
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



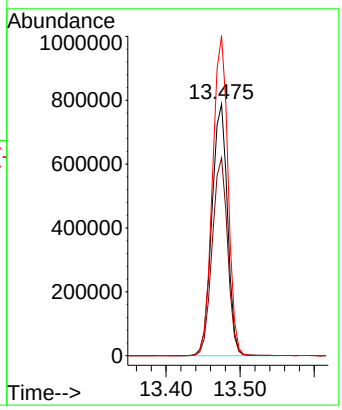


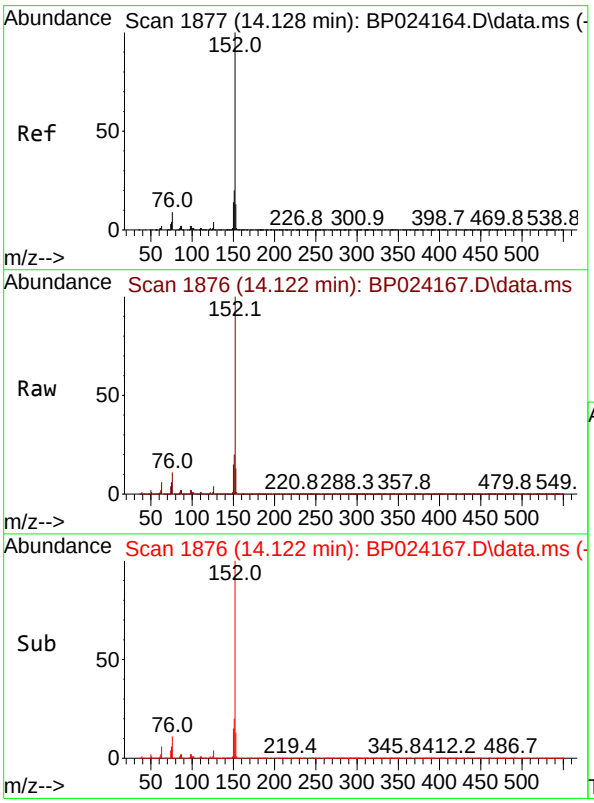

#48
2-Nitroaniline
Concen: 93.303 ng
RT: 13.475 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

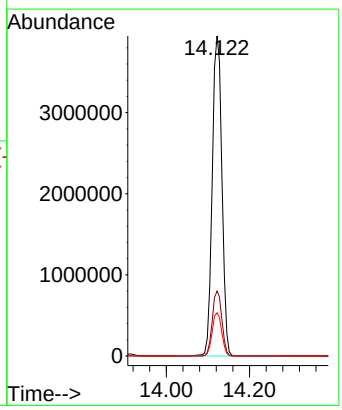


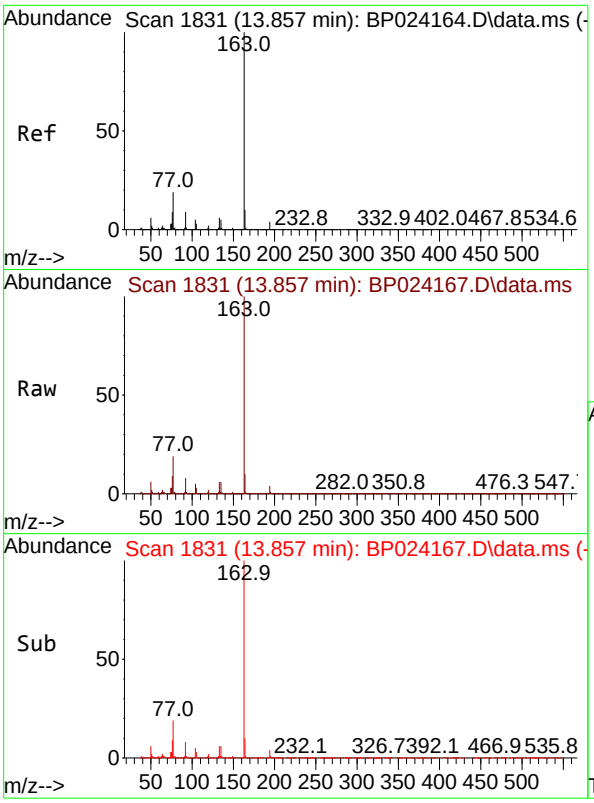




#49
Acenaphthylene
Concen: 82.473 ng
RT: 14.122 min Scan# 1876
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



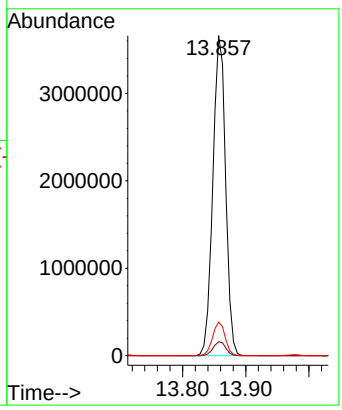


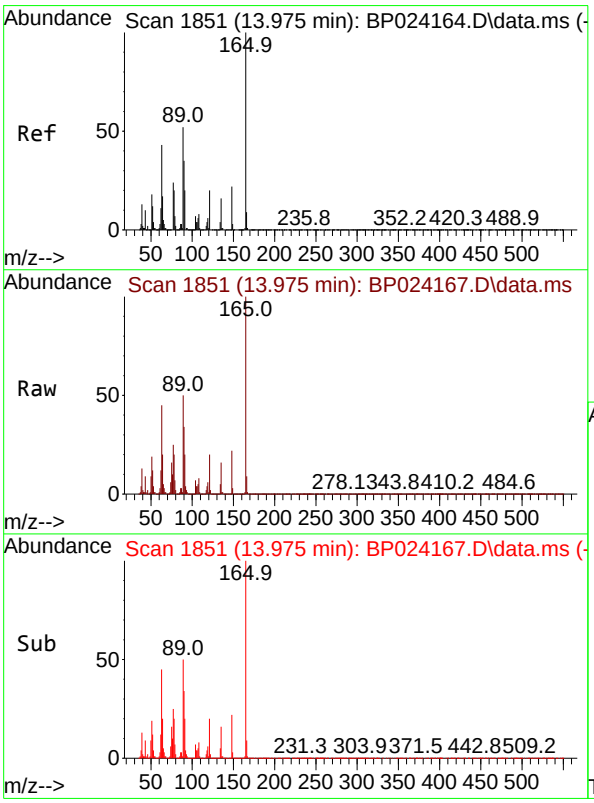

#50
Dimethylphthalate
Concen: 81.603 ng
RT: 13.857 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

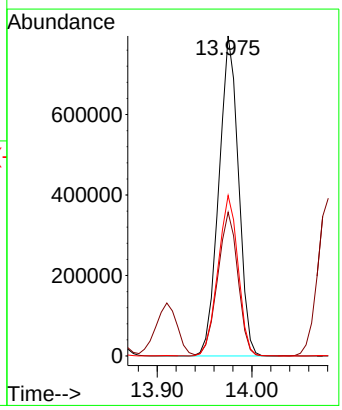


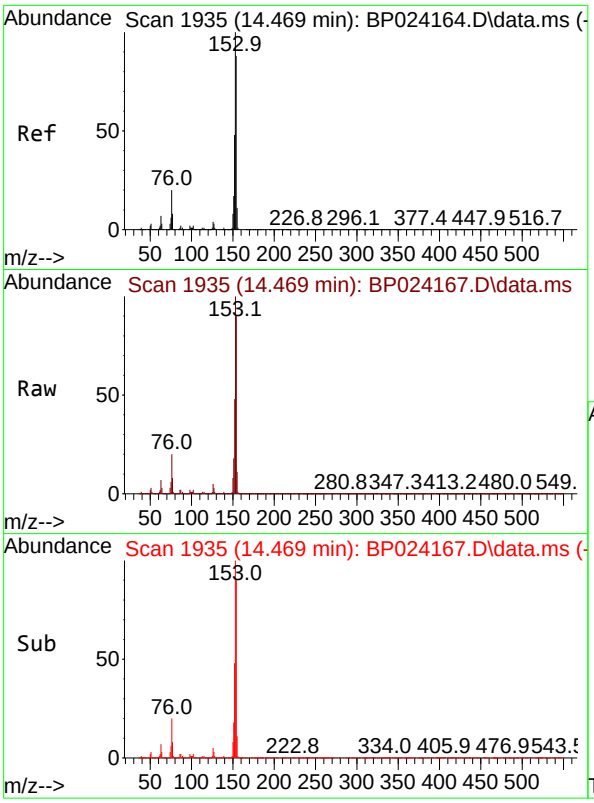




#51
2,6-Dinitrotoluene
Concen: 89.740 ng
RT: 13.975 min Scan# 1851
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



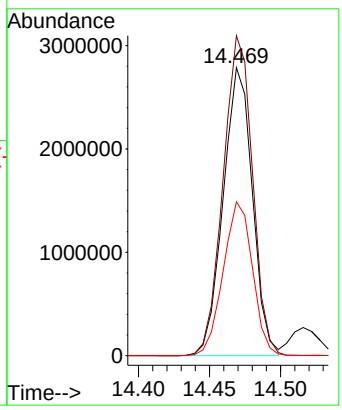


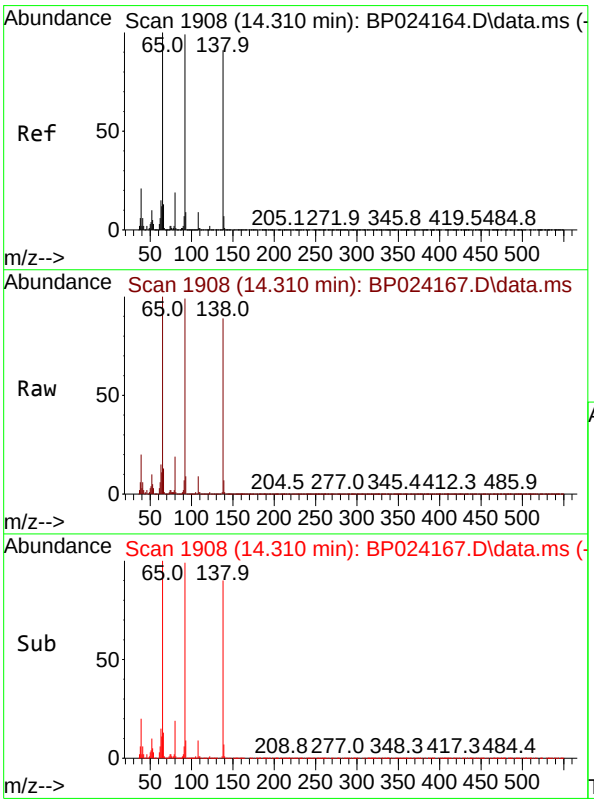

#52
Acenaphthene
Concen: 80.473 ng
RT: 14.469 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

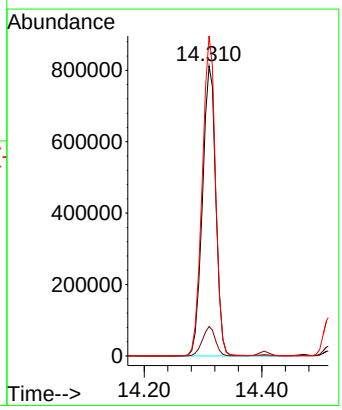


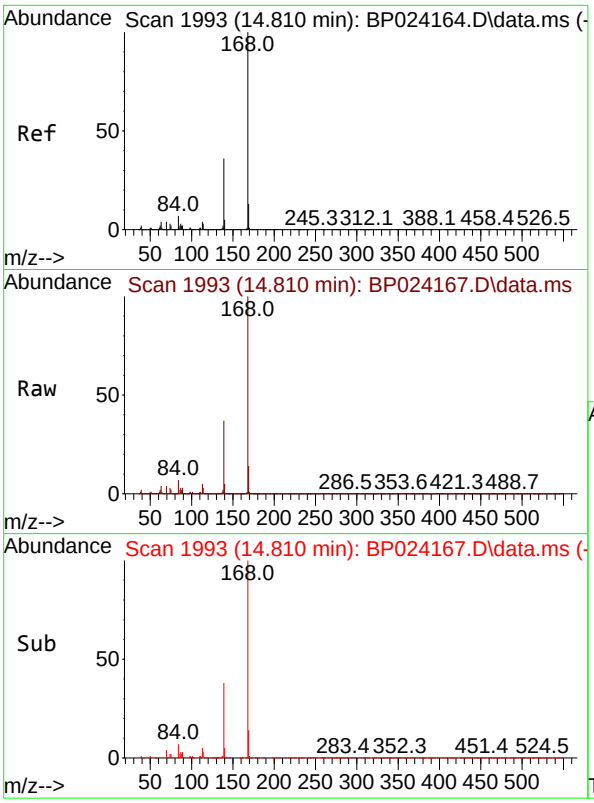




#53
3-Nitroaniline
Concen: 93.713 ng
RT: 14.310 min Scan# 1908
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



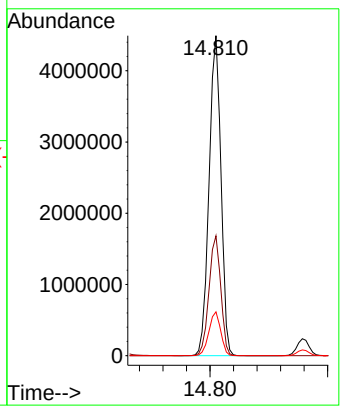


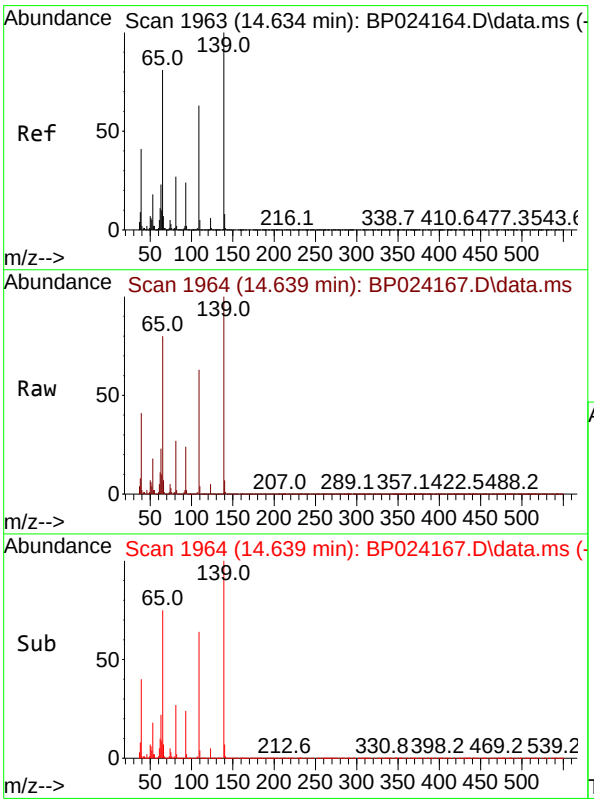

#55
Dibenzofuran
Concen: 78.144 ng
RT: 14.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

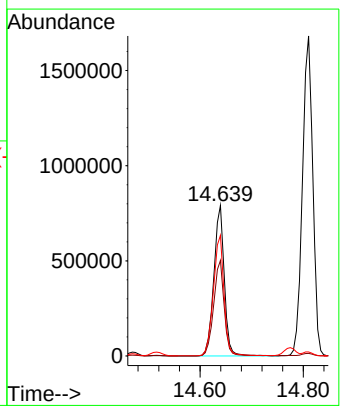


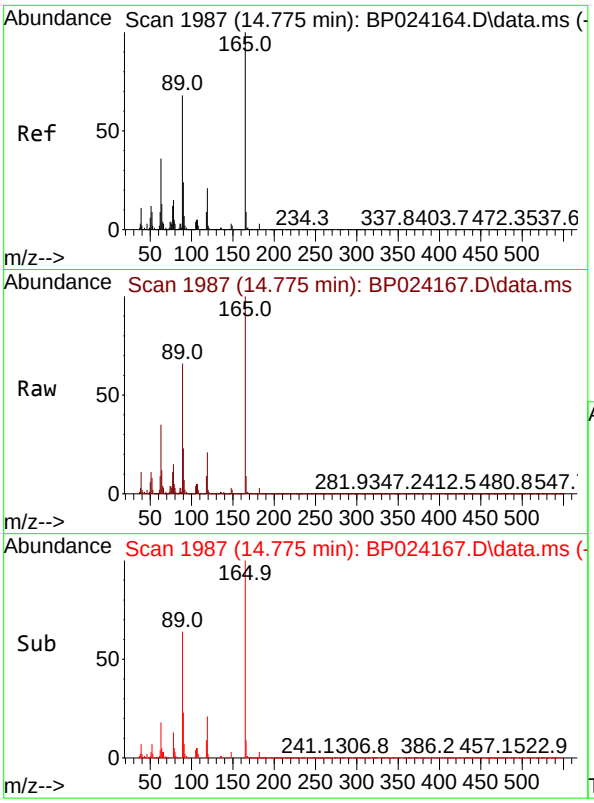




#56
4-Nitrophenol
Concen: 94.320 ng
RT: 14.639 min Scan# 1964
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



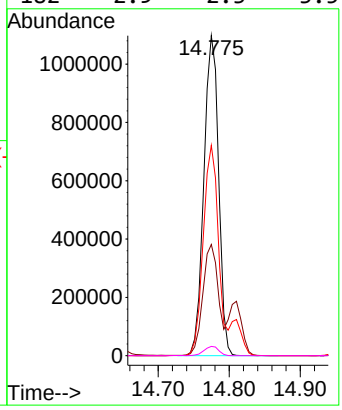


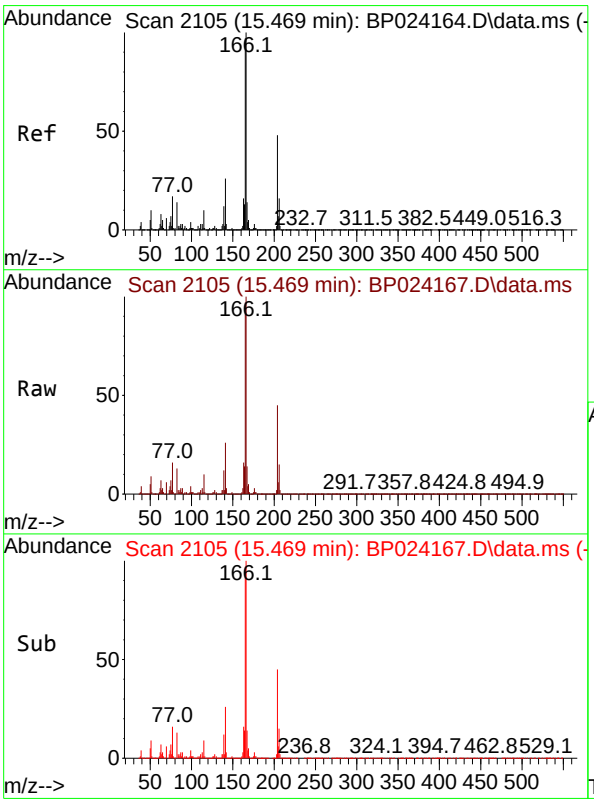

#57
2,4-Dinitrotoluene
Concen: 95.524 ng
RT: 14.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

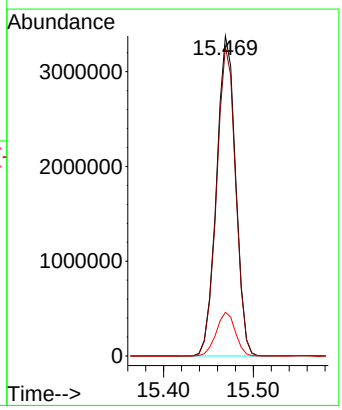


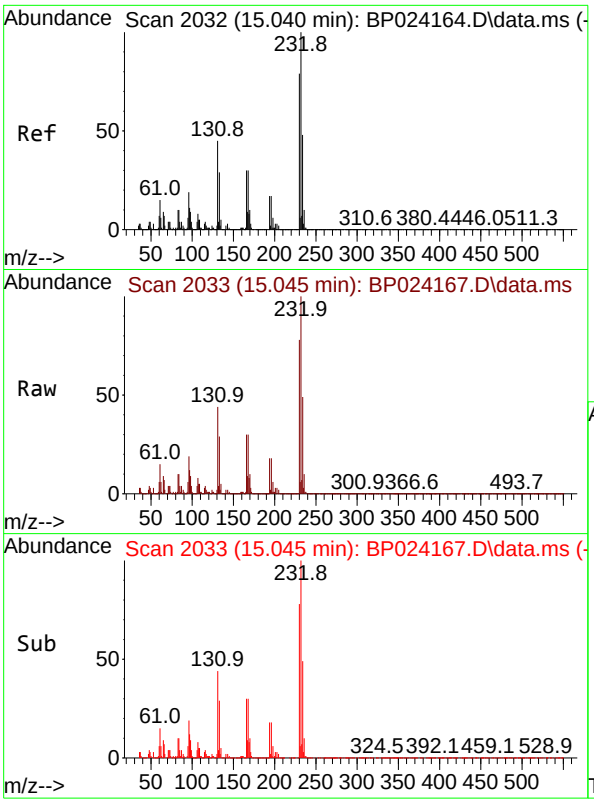




#58
Fluorene
Concen: 79.298 ng
RT: 15.469 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



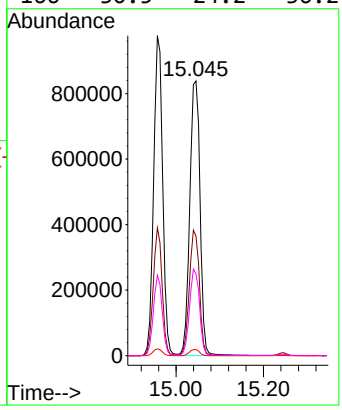


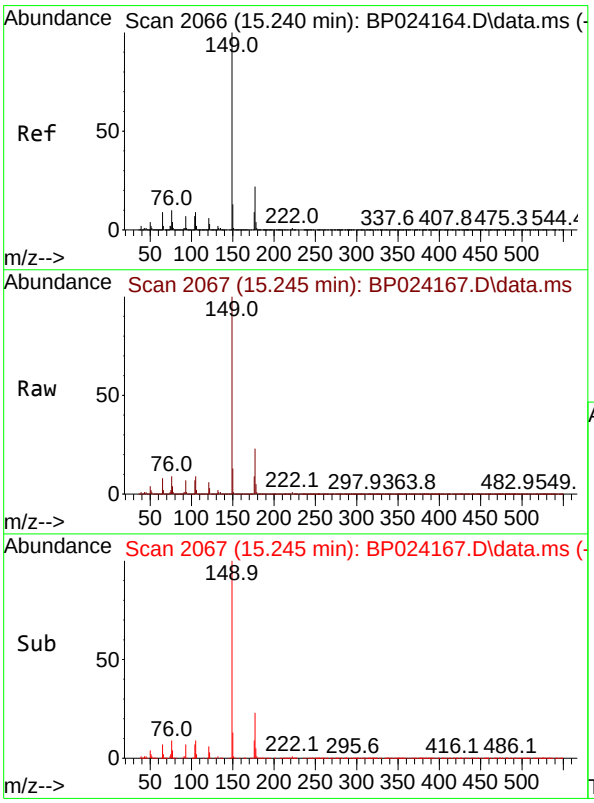

#59
2,3,4,6-Tetrachlorophenol
Concen: 86.797 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

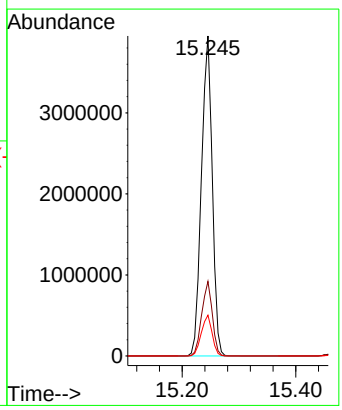


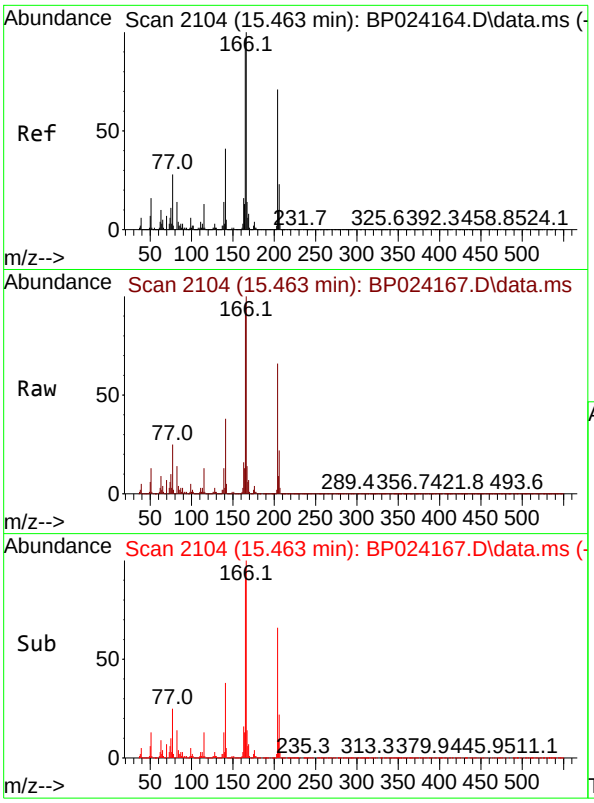




#60
Diethylphthalate
Concen: 83.898 ng
RT: 15.245 min Scan# 2067
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



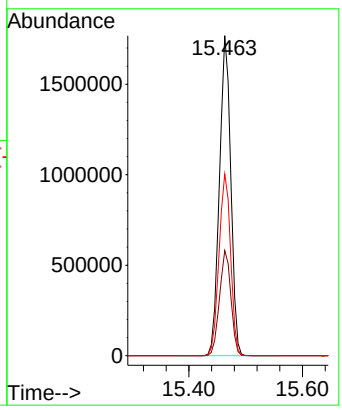


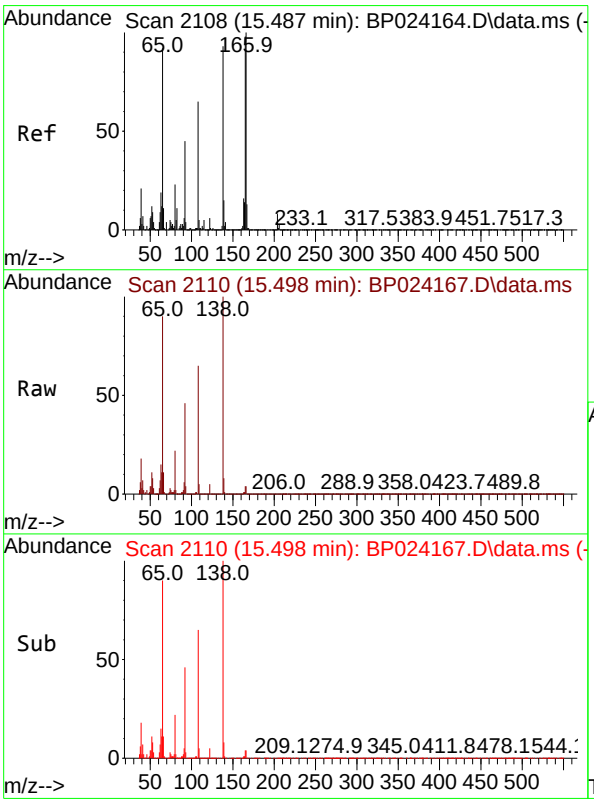

#61
4-Chlorophenyl-phenylether
Concen: 79.305 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

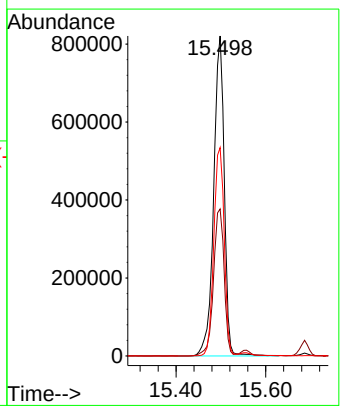


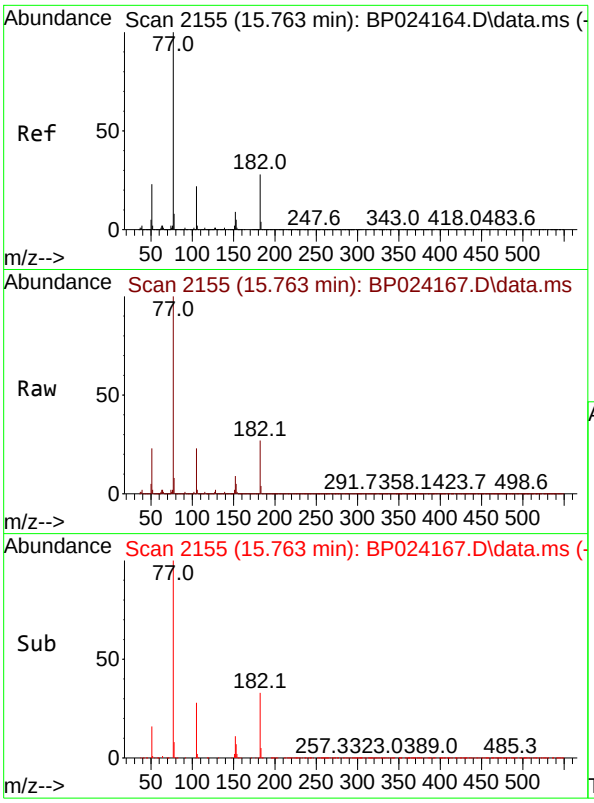




#62
4-Nitroaniline
Concen: 95.238 ng
RT: 15.498 min Scan# 2110
Delta R.T. 0.012 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



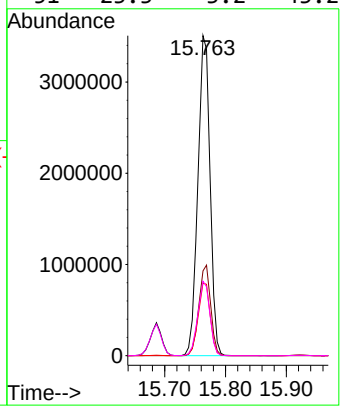


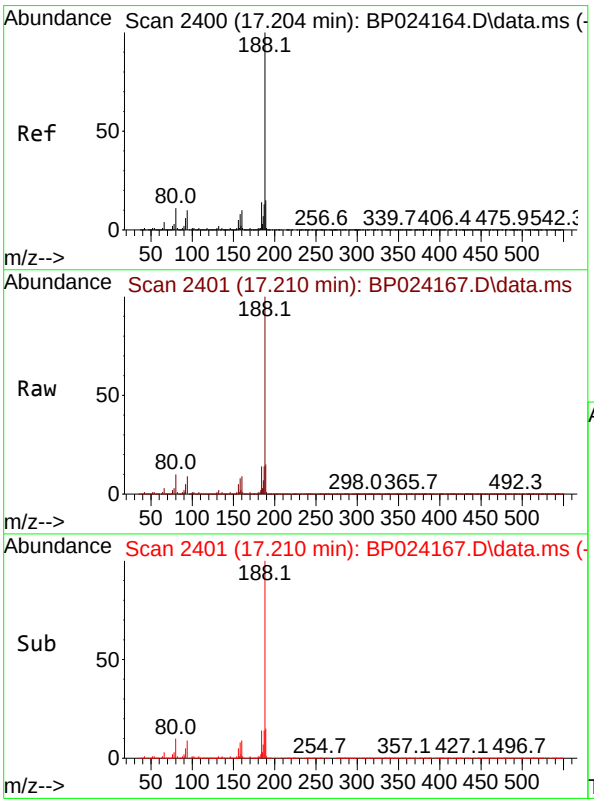

#63
Azobenzene
Concen: 83.196 ng
RT: 15.763 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

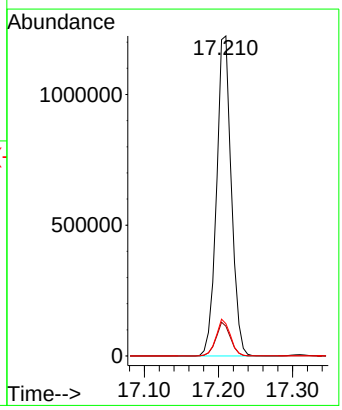


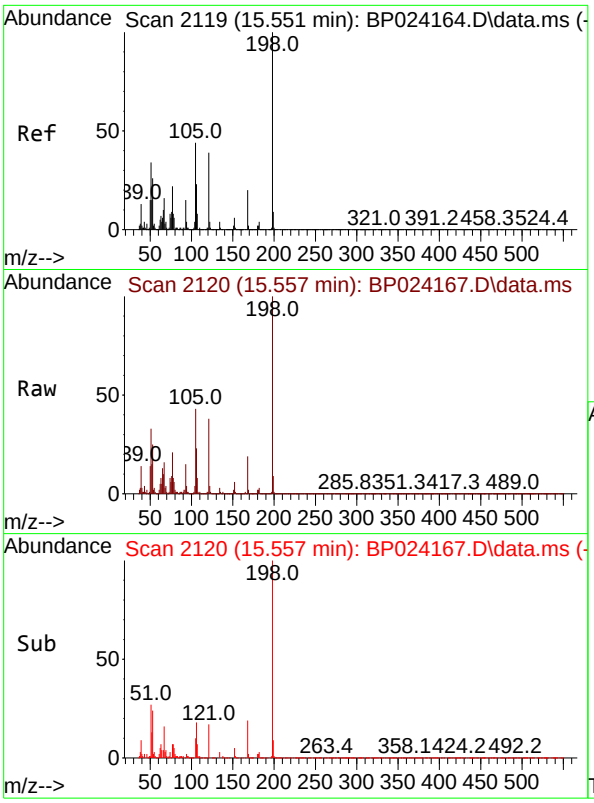




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 2401
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



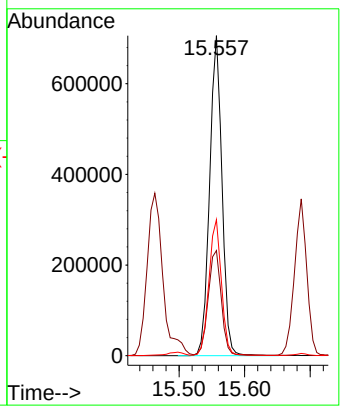


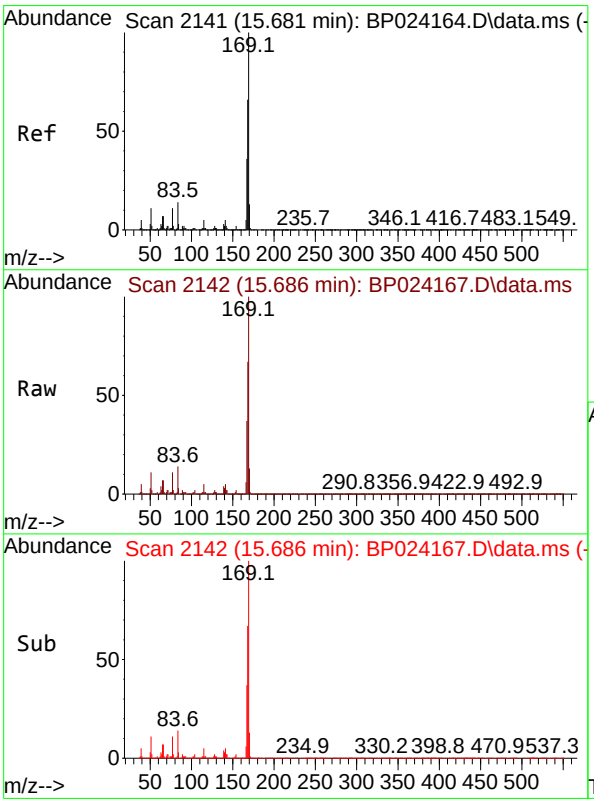

#65
4,6-Dinitro-2-methylphenol
Concen: 94.517 ng
RT: 15.557 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

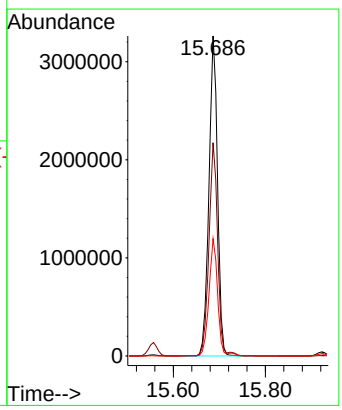


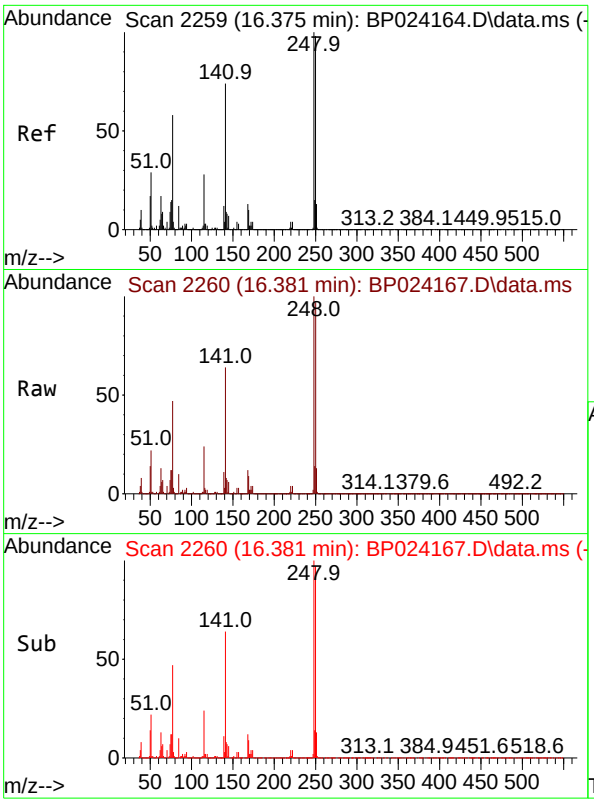




#66
n-Nitrosodiphenylamine
Concen: 80.285 ng
RT: 15.686 min Scan# 2142
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



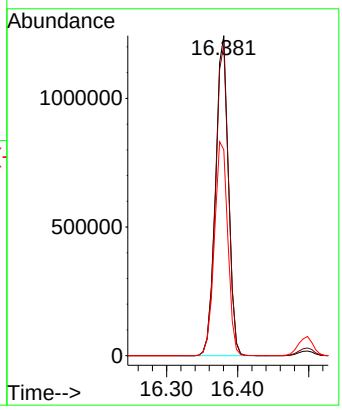


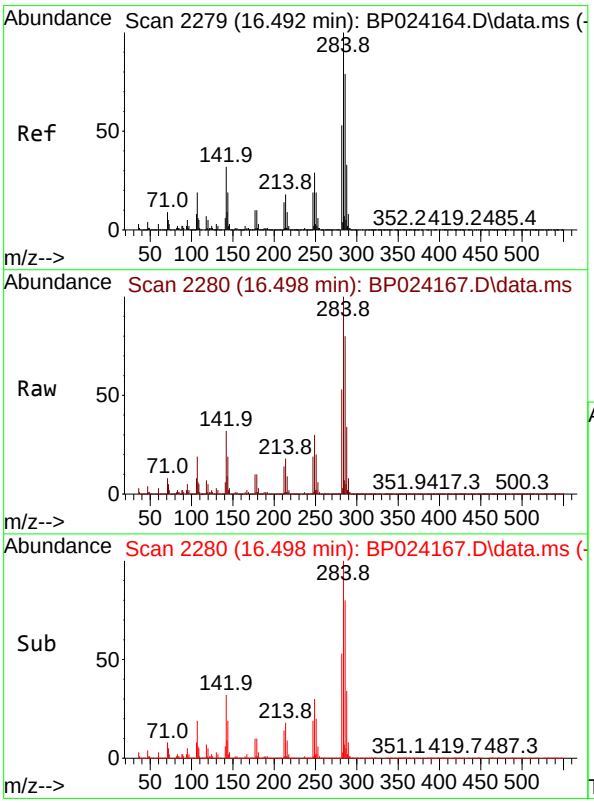

#67
4-Bromophenyl-phenylether
Concen: 82.455 ng
RT: 16.381 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

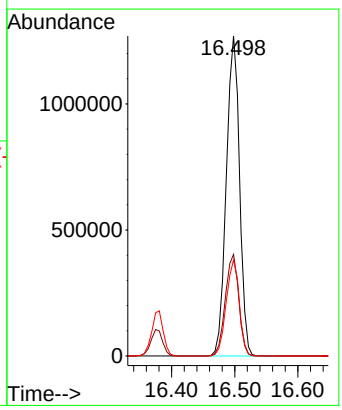


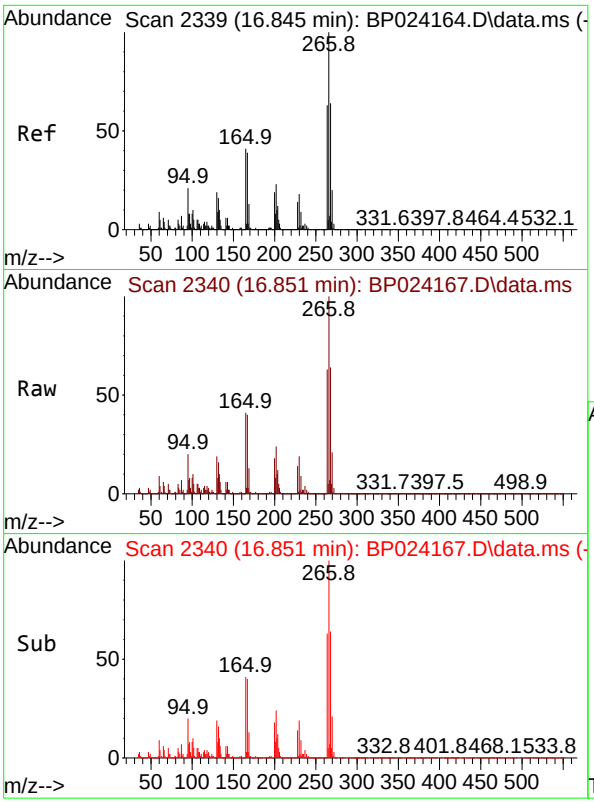




#68
Hexachlorobenzene
Concen: 82.437 ng
RT: 16.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



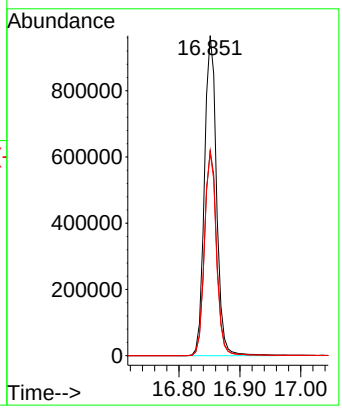


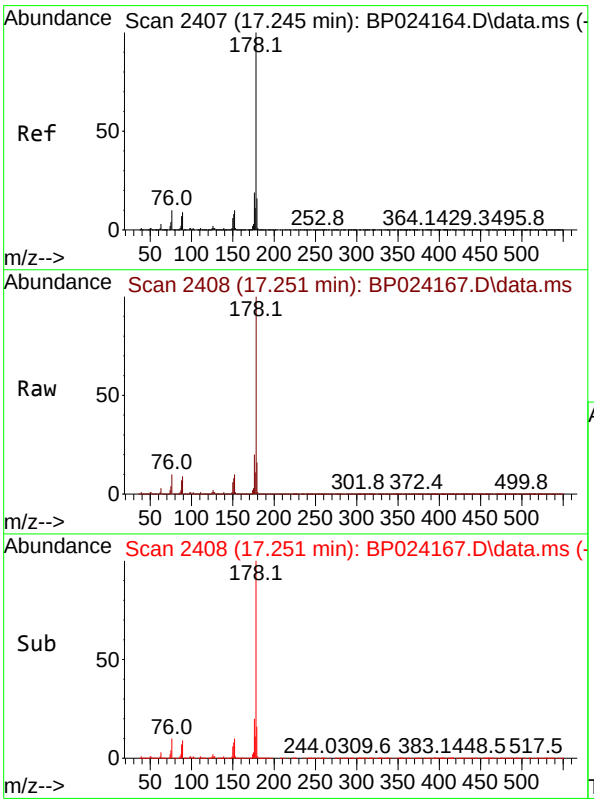

#70
Pentachlorophenol
Concen: 92.003 ng
RT: 16.851 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

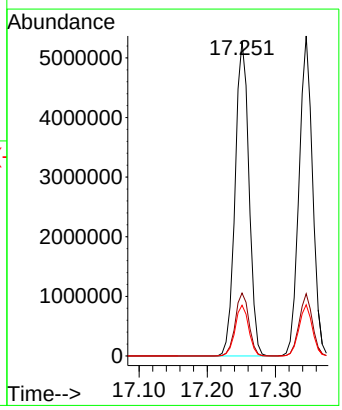


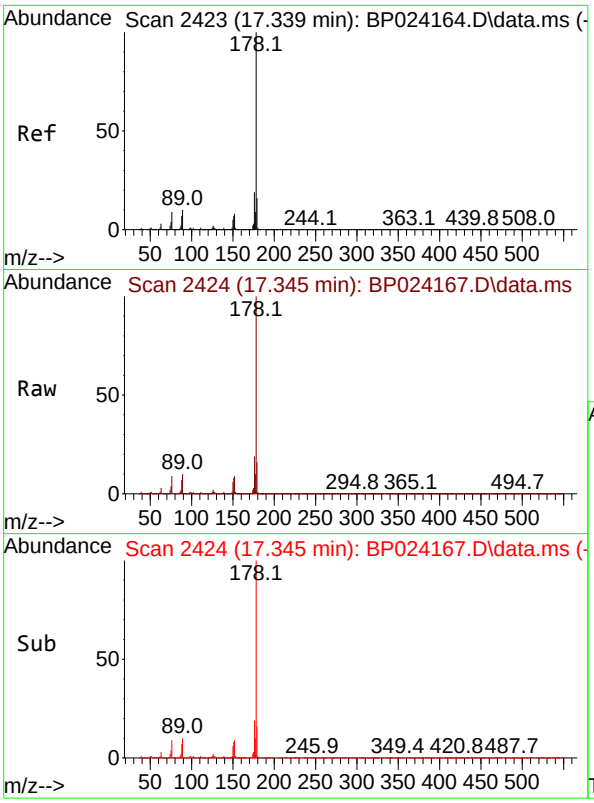




#71
Phenanthrene
Concen: 78.188 ng
RT: 17.251 min Scan# 2408
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



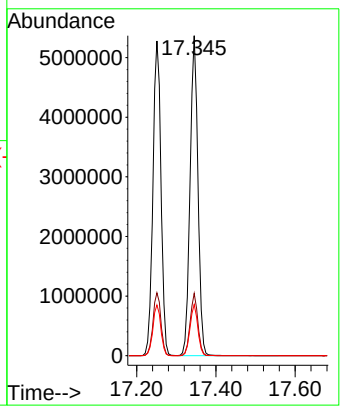


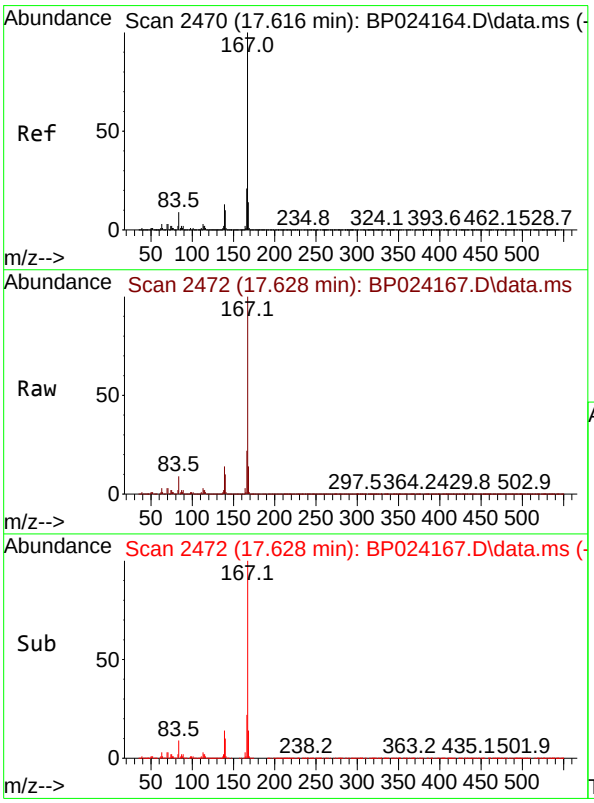

#72
Anthracene
Concen: 81.264 ng
RT: 17.345 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

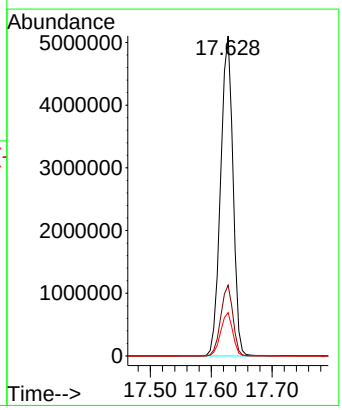


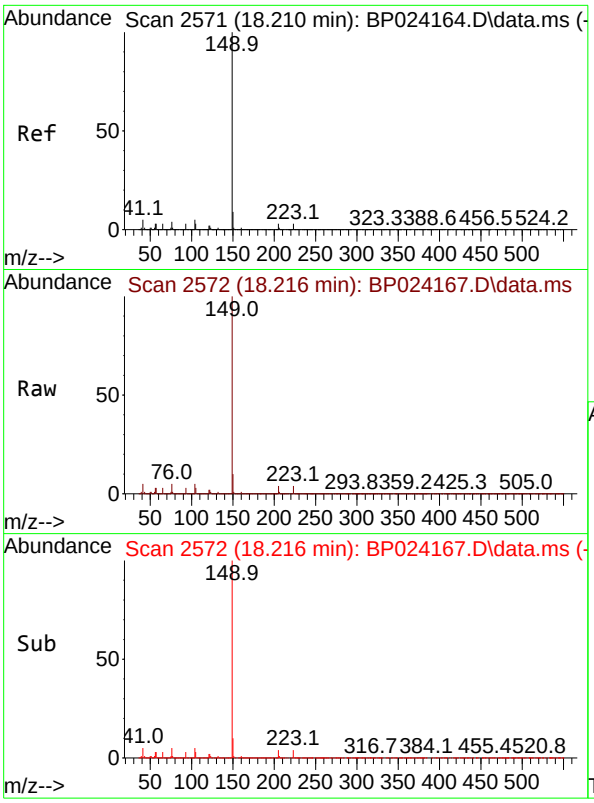




#73
Carbazole
Concen: 82.862 ng
RT: 17.628 min Scan# 2472
Delta R.T. 0.012 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



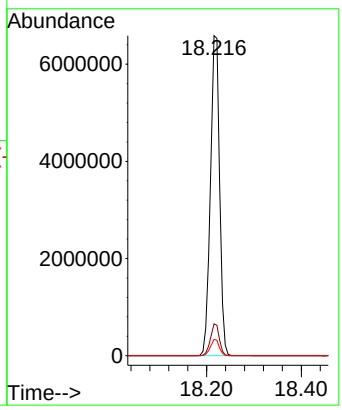


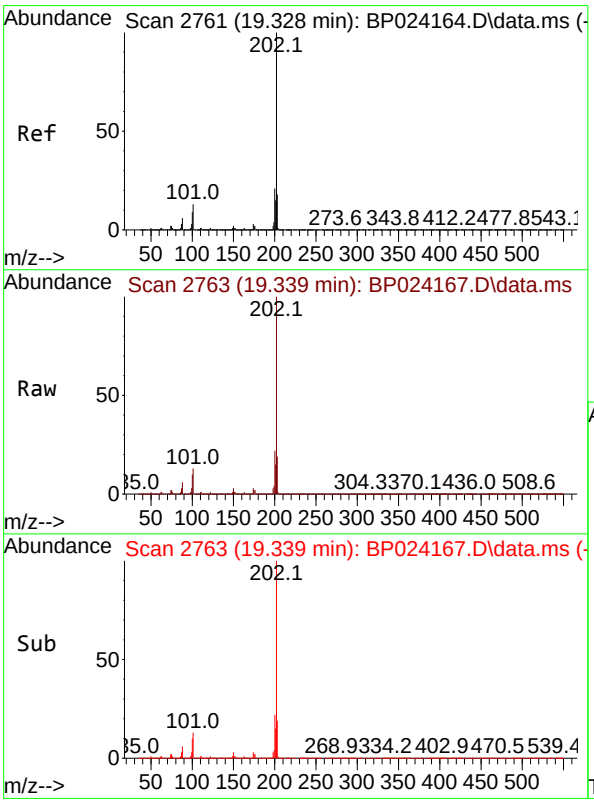

#74
Di-n-butylphthalate
Concen: 86.868 ng
RT: 18.216 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

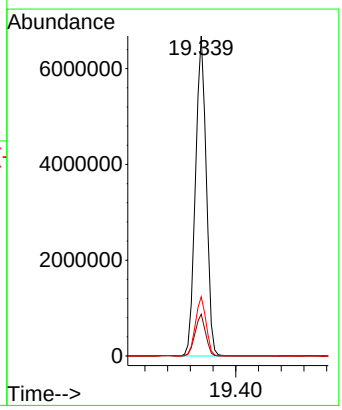


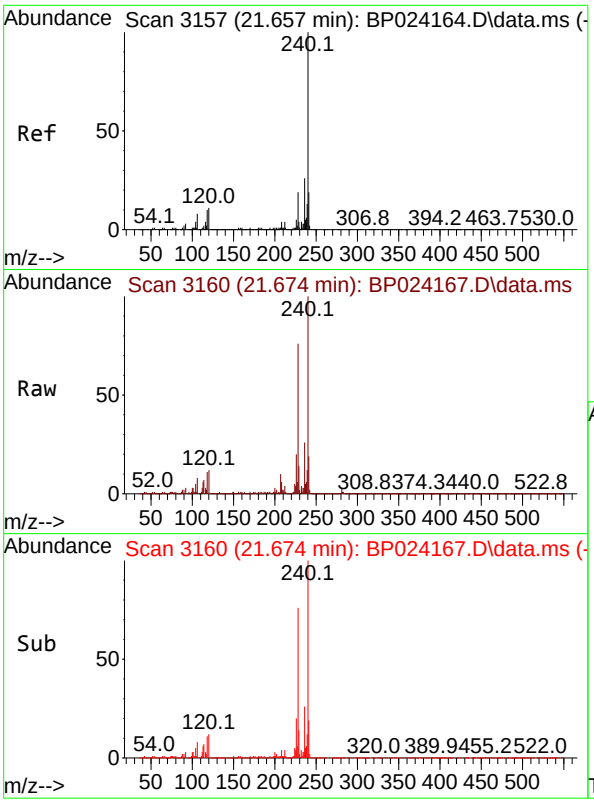




#75
Fluoranthene
Concen: 82.280 ng
RT: 19.339 min Scan# 2763
Delta R.T. 0.012 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



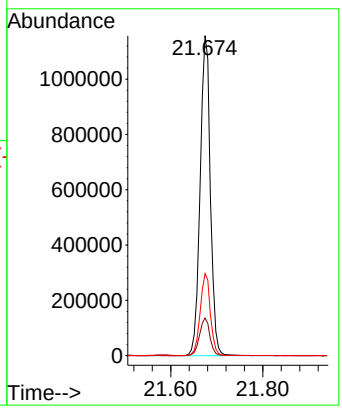


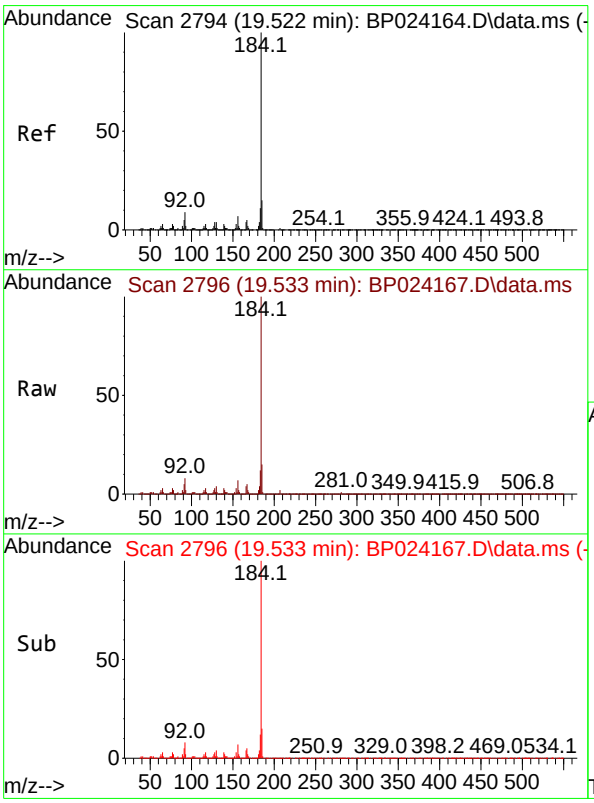

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.674 min Scan# 3
Delta R.T. 0.017 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

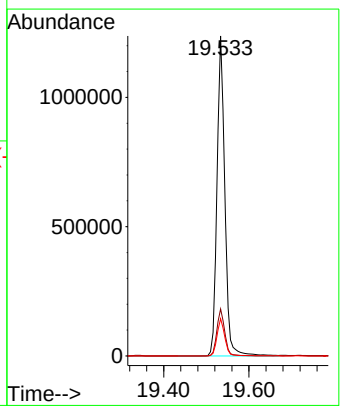


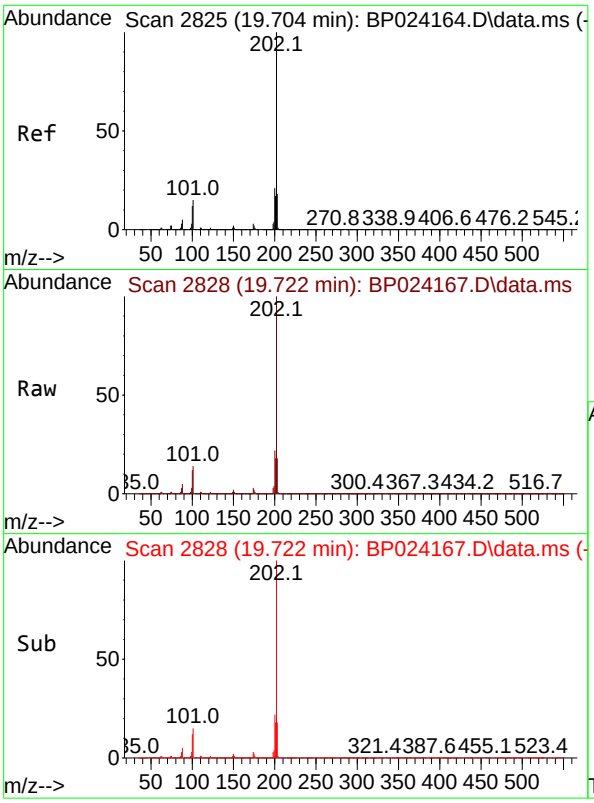




#77
Benzidine
Concen: 72.794 ng
RT: 19.533 min Scan# 2796
Delta R.T. 0.012 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



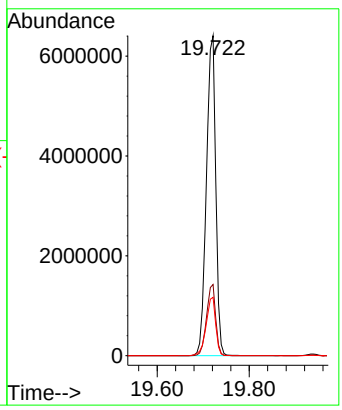


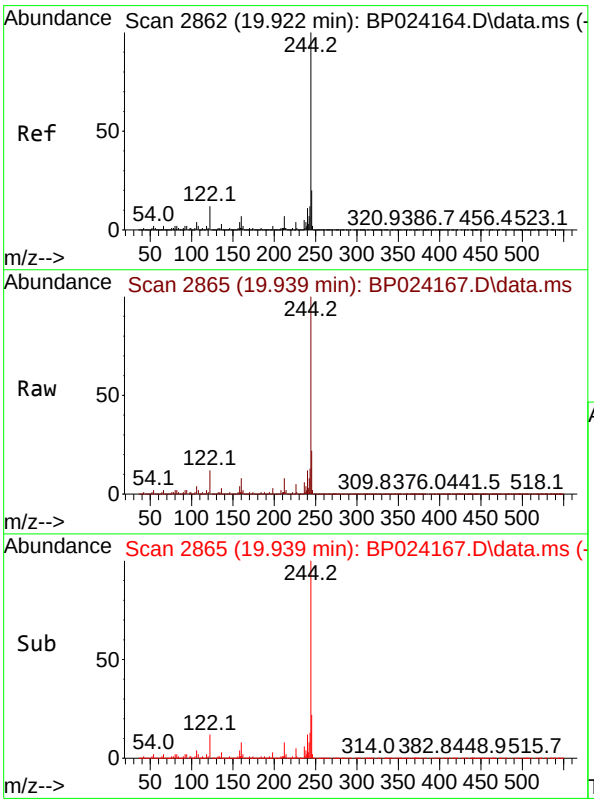

#78
Pyrene
Concen: 80.230 ng
RT: 19.722 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

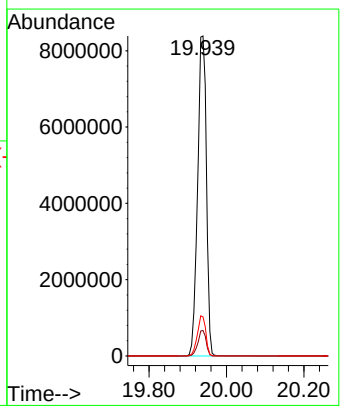


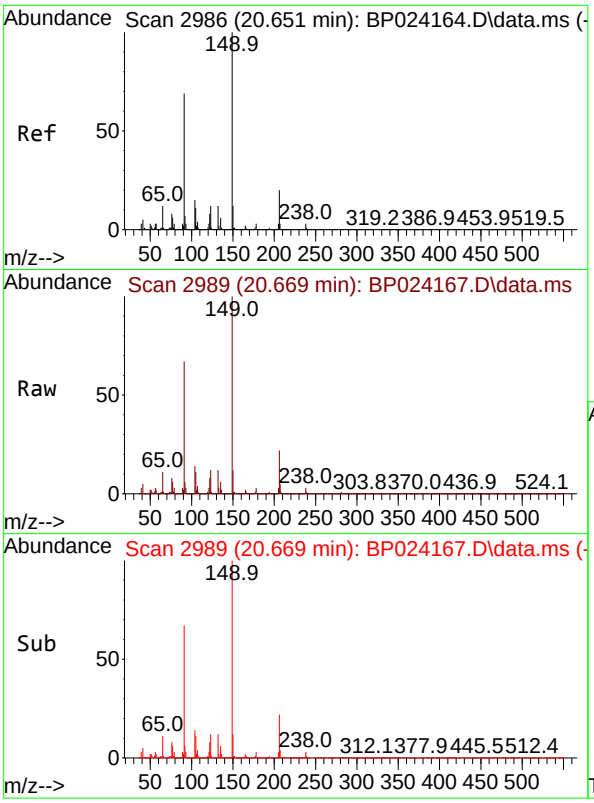




#79
Terphenyl-d14
Concen: 146.201 ng
RT: 19.939 min Scan# 2865
Delta R.T. 0.017 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



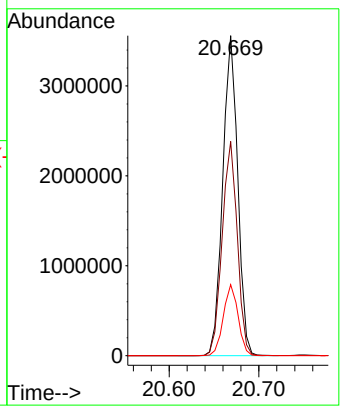


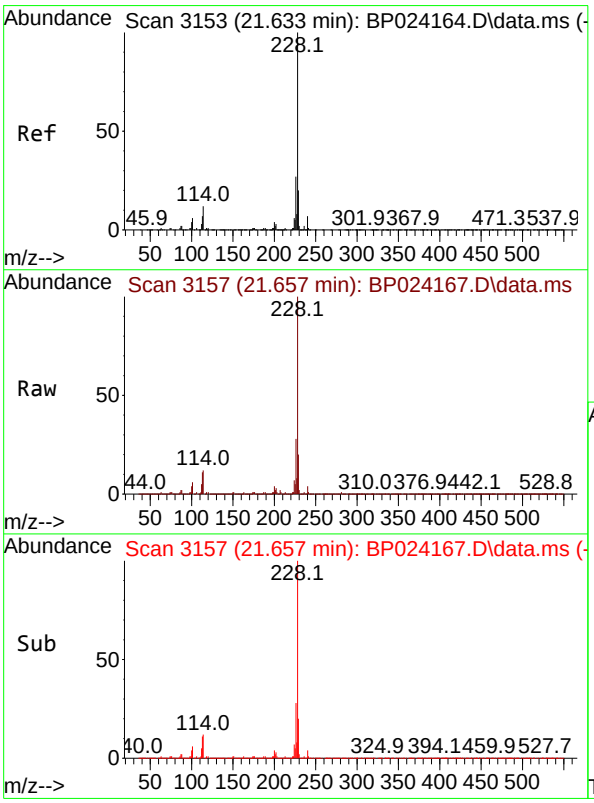

#80
Butylbenzylphthalate
Concen: 94.735 ng
RT: 20.669 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

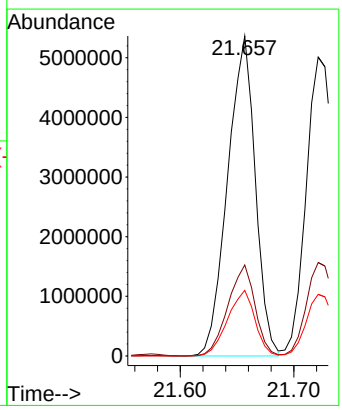


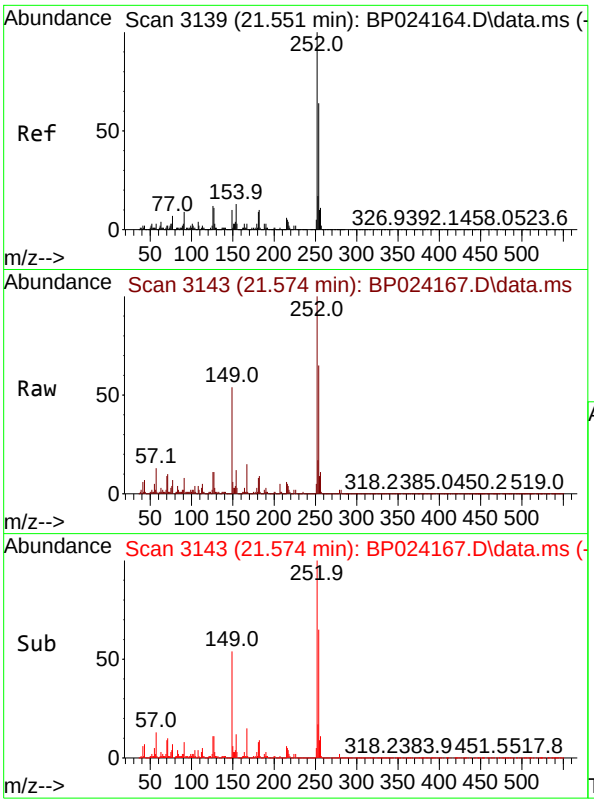




#81
Benzo(a)anthracene
Concen: 81.050 ng
RT: 21.657 min Scan# 3157
Delta R.T. 0.023 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



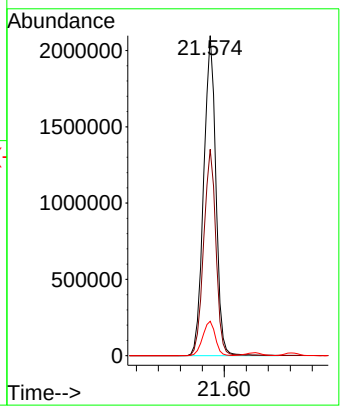


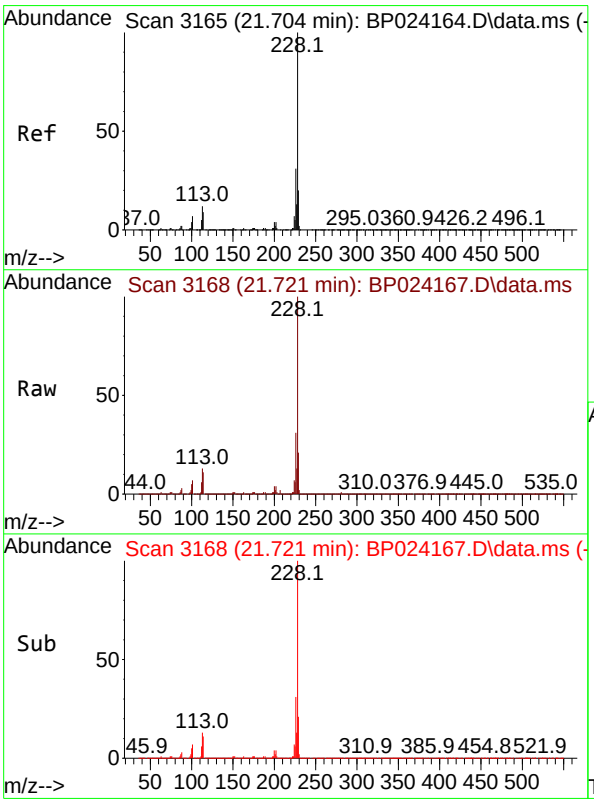

#82
3,3'-Dichlorobenzidine
Concen: 91.925 ng
RT: 21.574 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

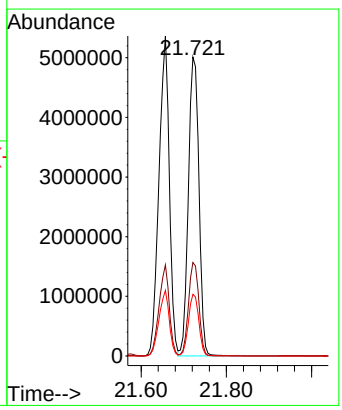


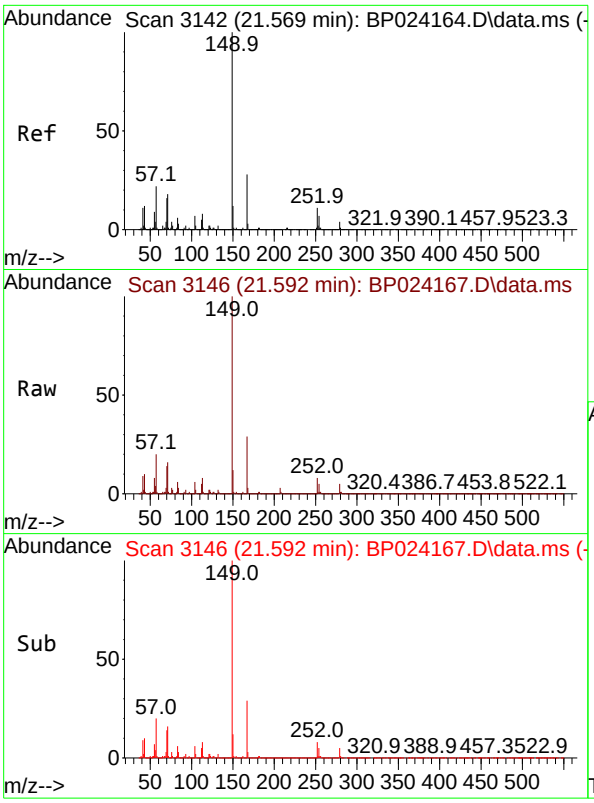




#83
Chrysene
Concen: 79.981 ng
RT: 21.721 min Scan# 3168
Delta R.T. 0.018 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



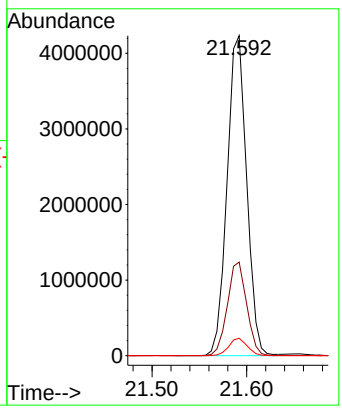


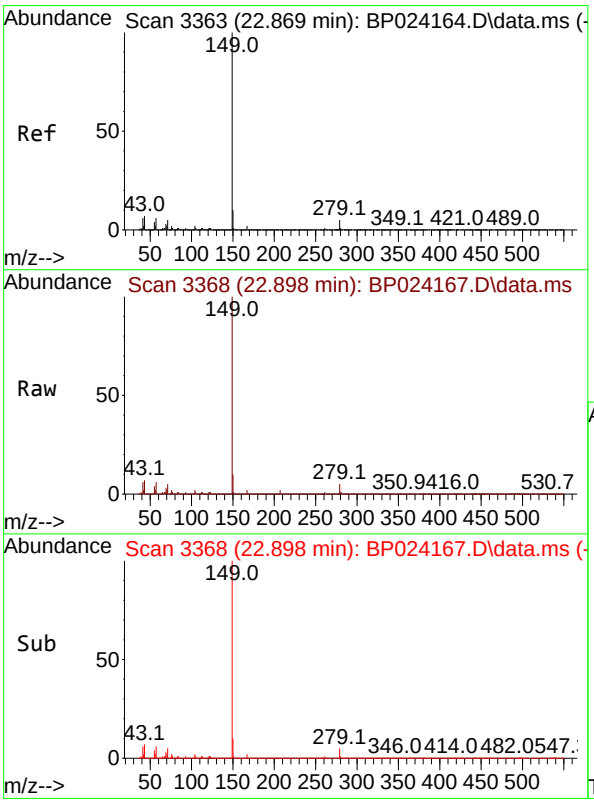

#84
Bis(2-ethylhexyl)phthalate
Concen: 92.215 ng
RT: 21.592 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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# |

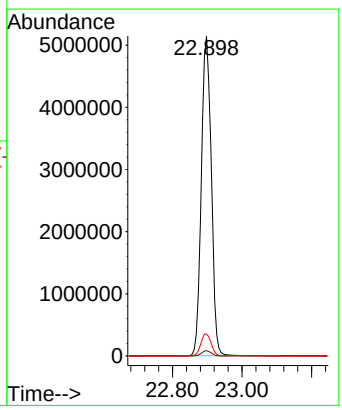


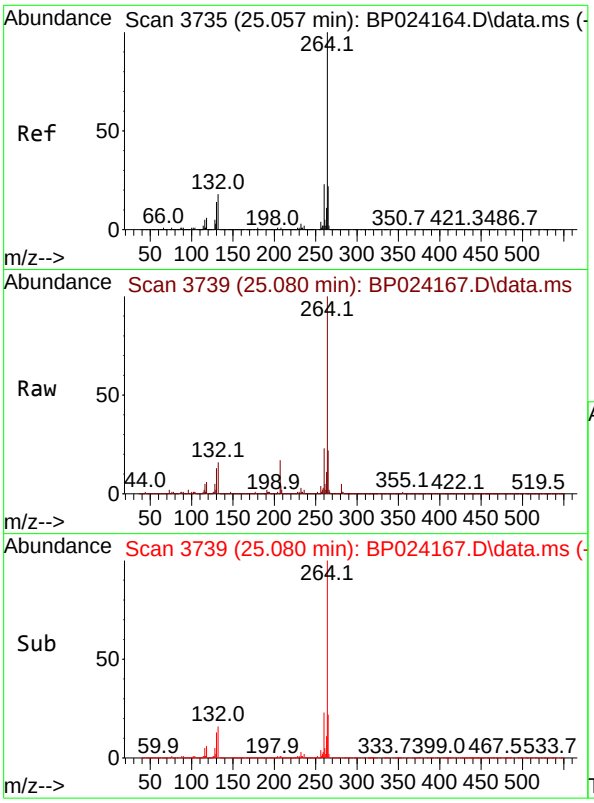




#85
Di-n-octyl phthalate
Concen: 97.189 ng
RT: 22.898 min Scan# 3368
Delta R.T. 0.029 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



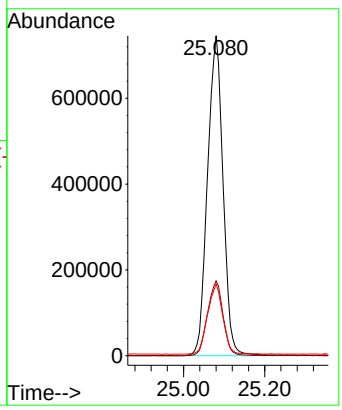


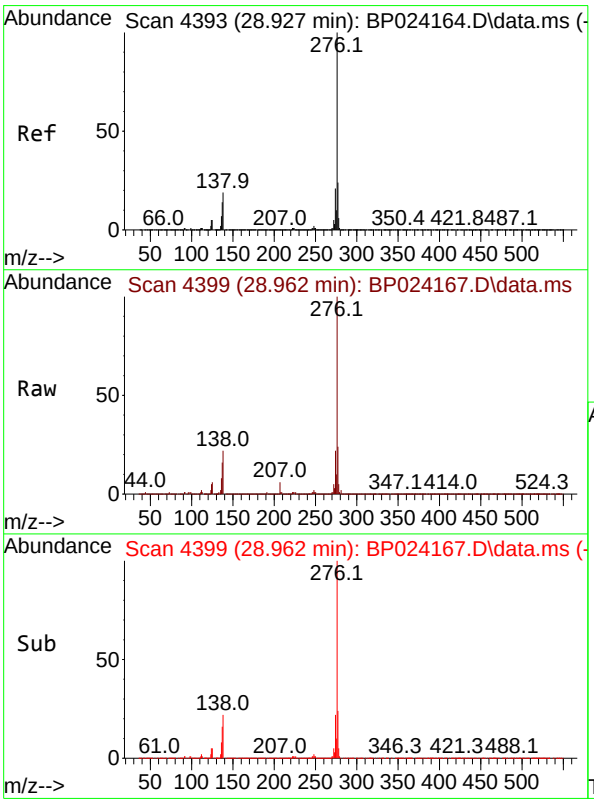

#86
Perylene-d12
Concen: 20.000 ng
RT: 25.080 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

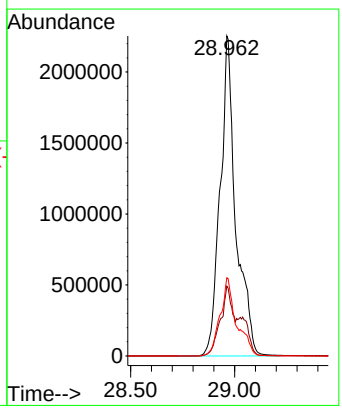


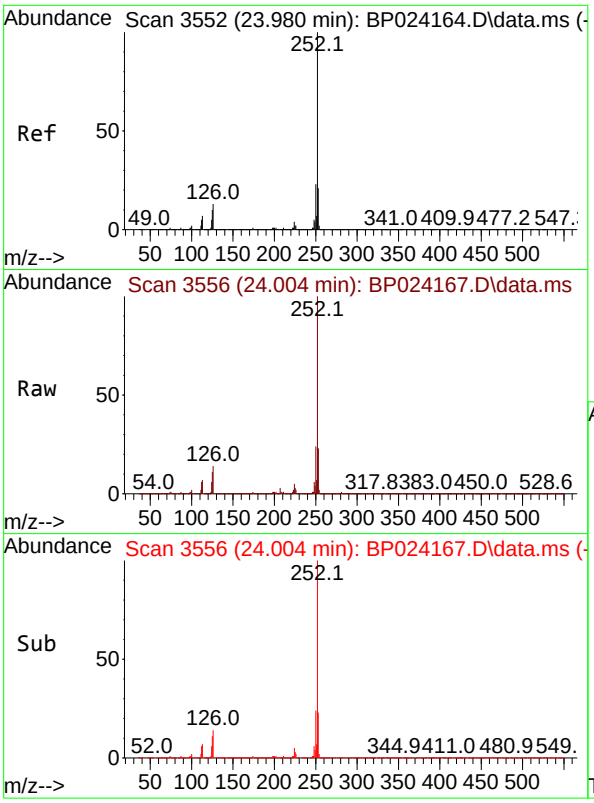




#87
Indeno(1,2,3-cd)pyrene
Concen: 84.301 ng
RT: 28.962 min Scan# 4399
Delta R.T. 0.035 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



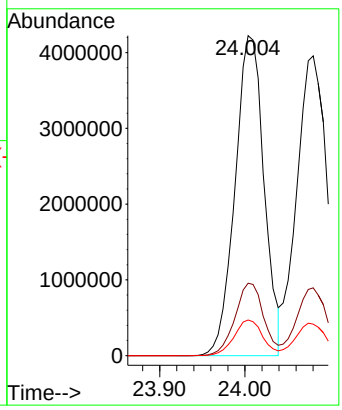


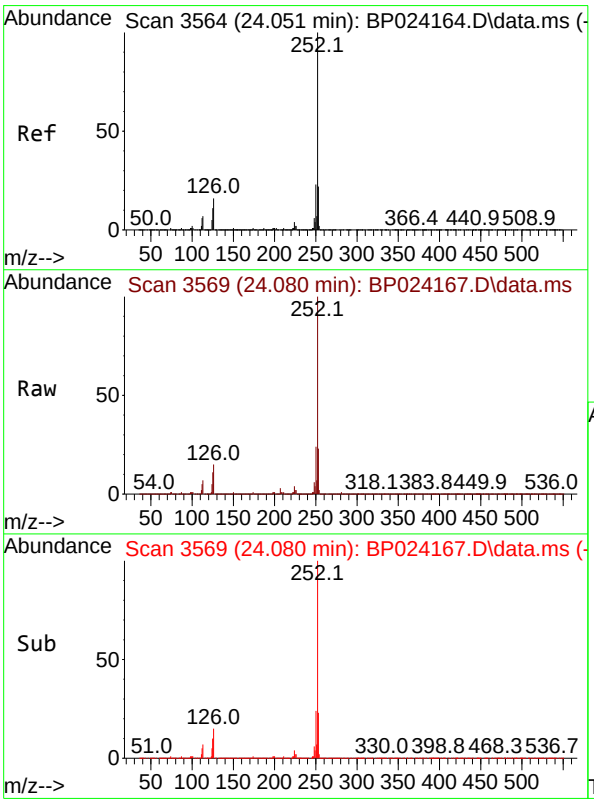

#88
Benzo(b)fluoranthene
Concen: 79.623 ng
RT: 24.004 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

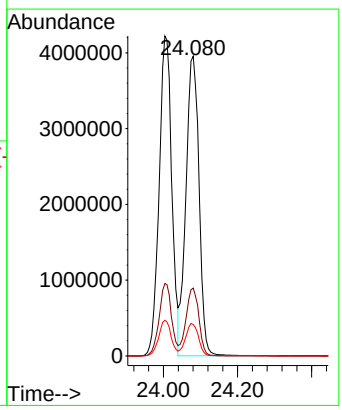


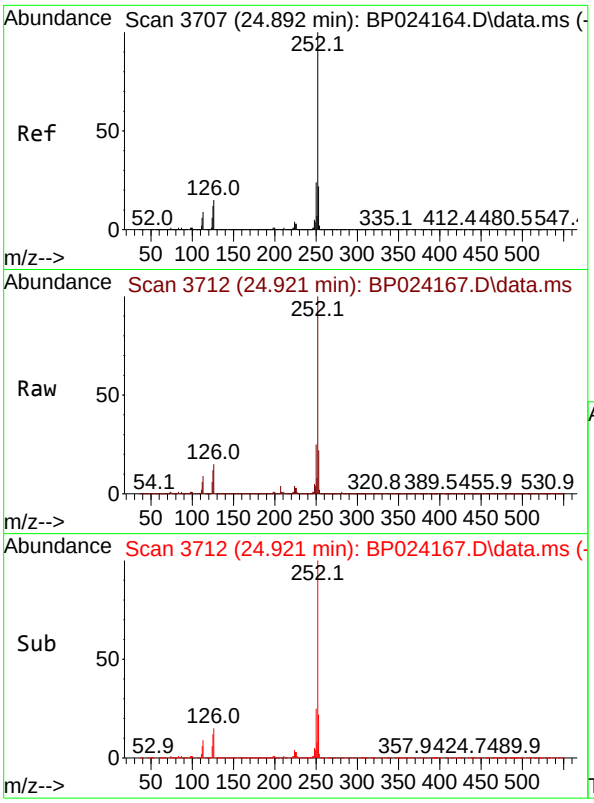




#89
Benzo(k)fluoranthene
Concen: 79.712 ng
RT: 24.080 min Scan# 3569
Delta R.T. 0.029 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



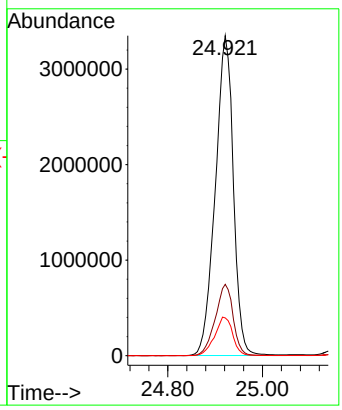


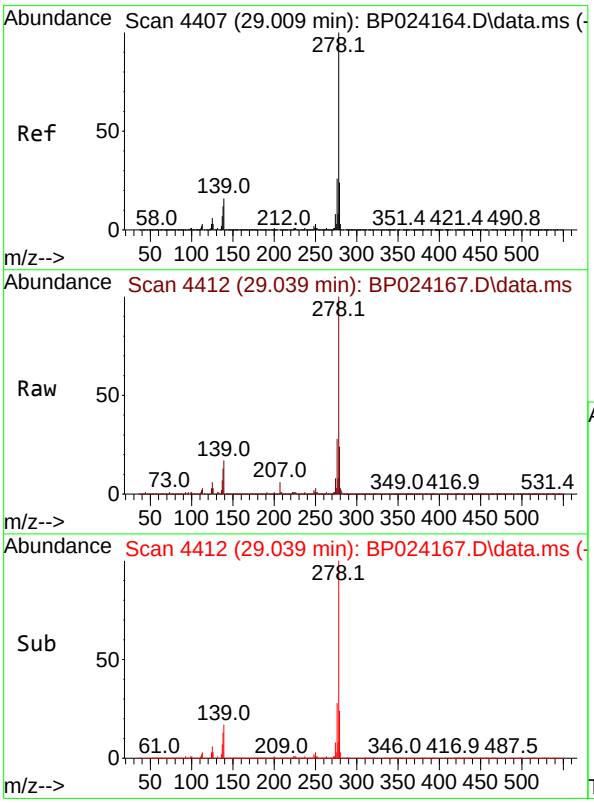

#90
Benzo(a)pyrene
Concen: 83.259 ng
RT: 24.921 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |

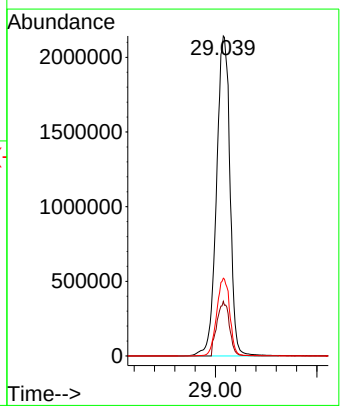


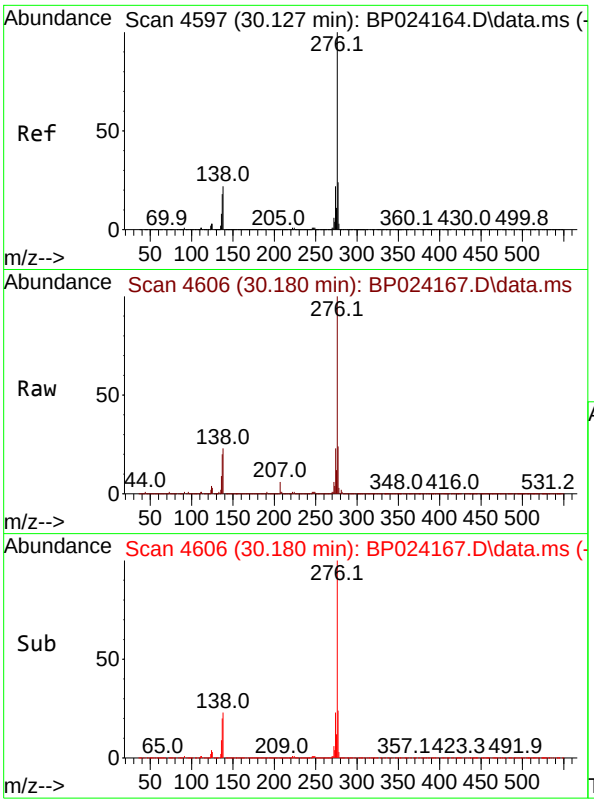




#91
Dibenzo(a,h)anthracene
Concen: 83.210 ng
RT: 29.039 min Scan# 4412
Delta R.T. 0.029 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

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 |



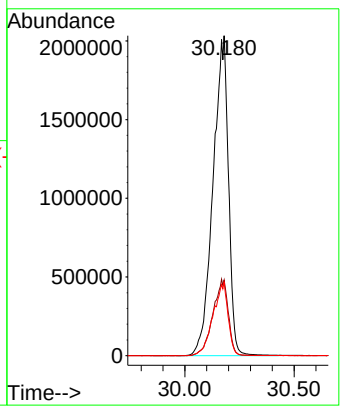



#92
Benzo(g,h,i)perylene
Concen: 82.940 ng
RT: 30.180 min Scan# 4
Delta R.T. 0.053 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

**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 |



Quantitation Report (QT Reviewed)

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

| 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 |

ICAL Form

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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

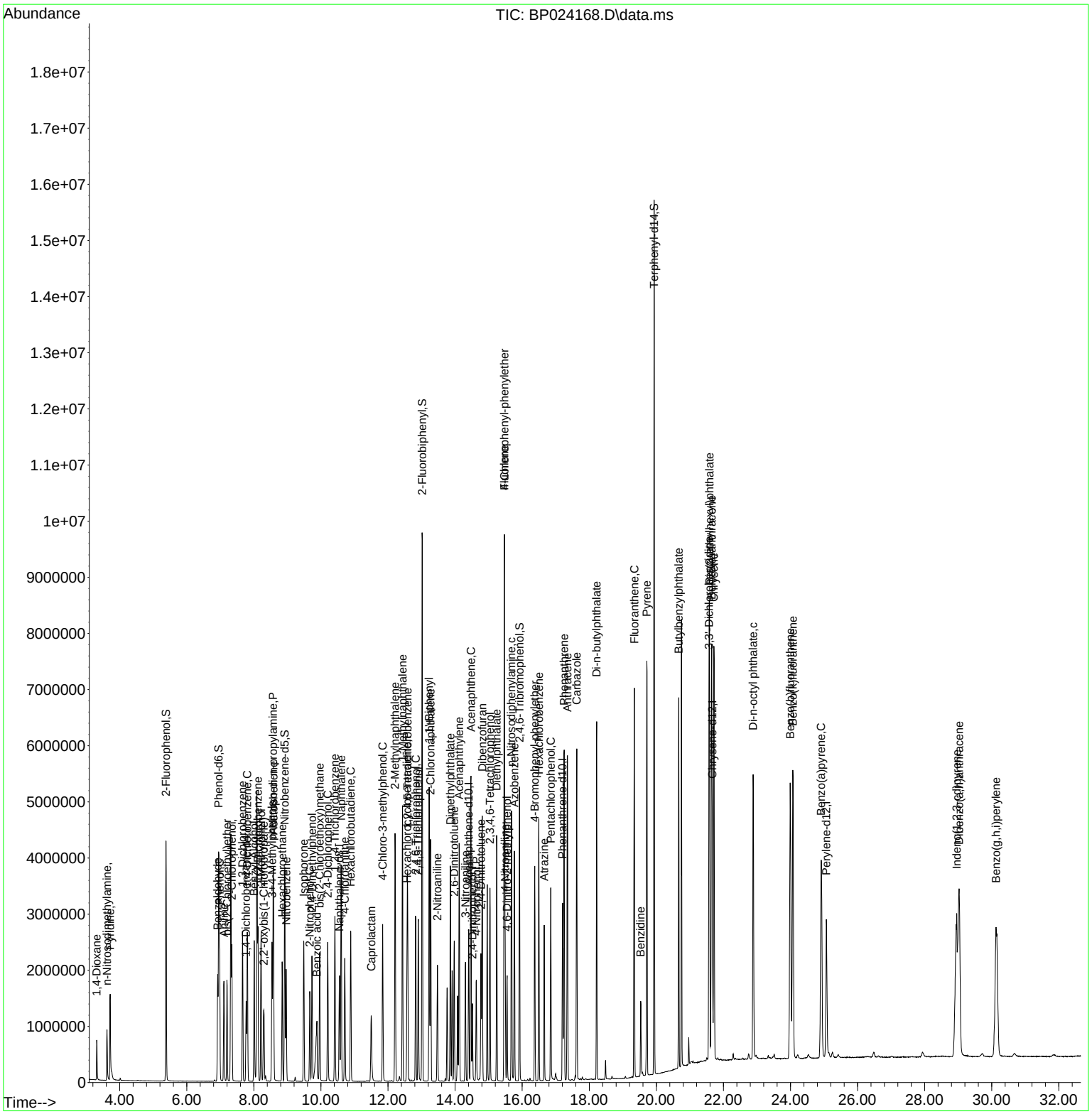
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.904 | 196 | 798076 | 40.985 | ng | 98 |
| 46) 1,1'-Biphenyl | 13.228 | 154 | 2821370 | 38.846 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.269 | 162 | 2130879 | 39.006 | ng | 100 |
| 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 | |

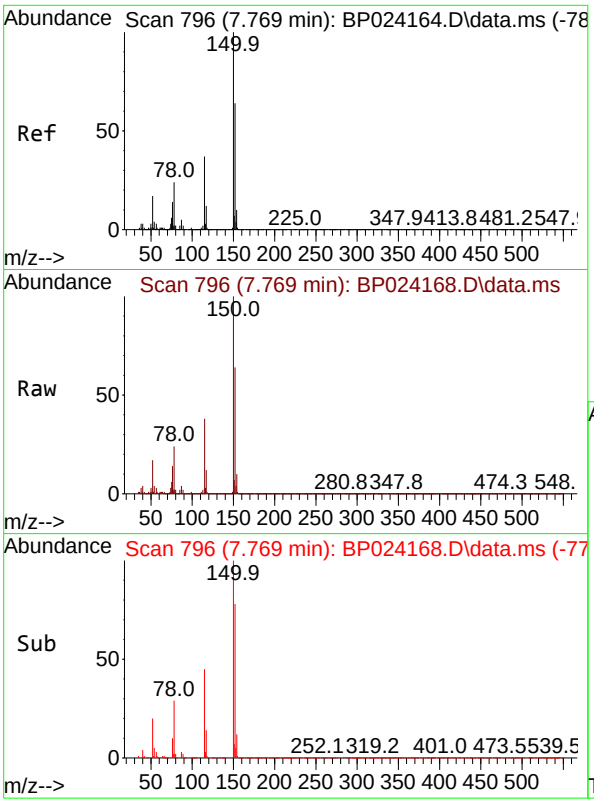
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024168.D
Acq On : 12 Mar 2025 21:43
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Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
ICVBP031225

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Response via : Initial Calibration



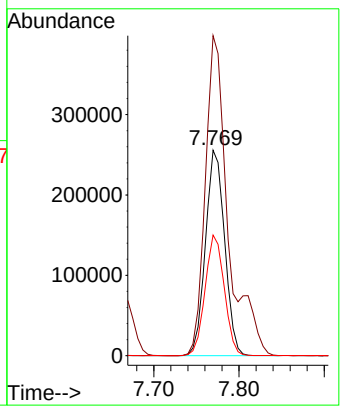


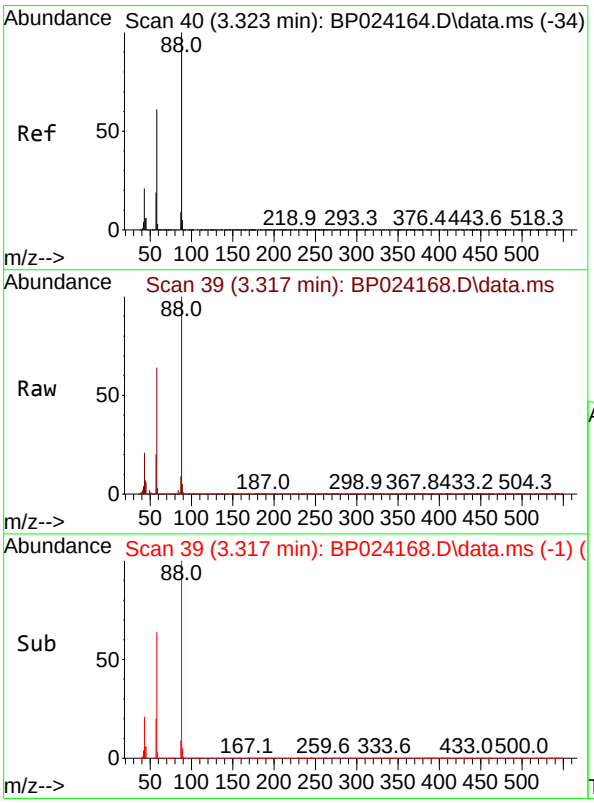

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

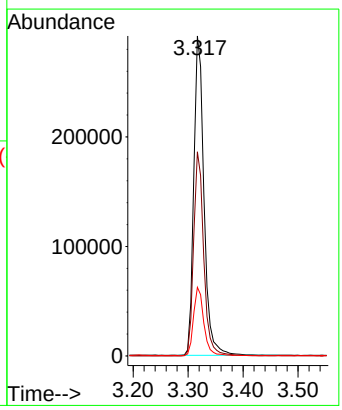


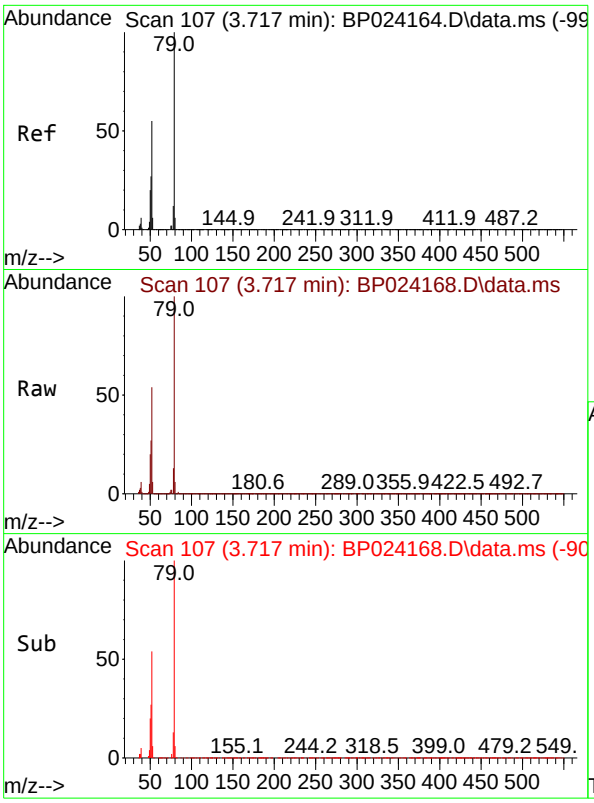




#2
1,4-Dioxane
Concen: 37.880 ng
RT: 3.317 min Scan# 39
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



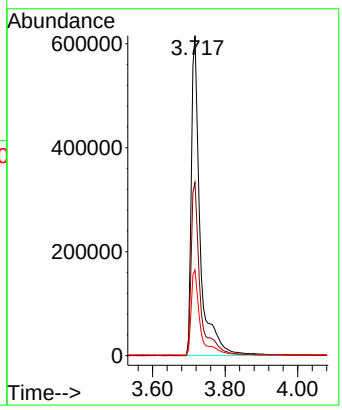


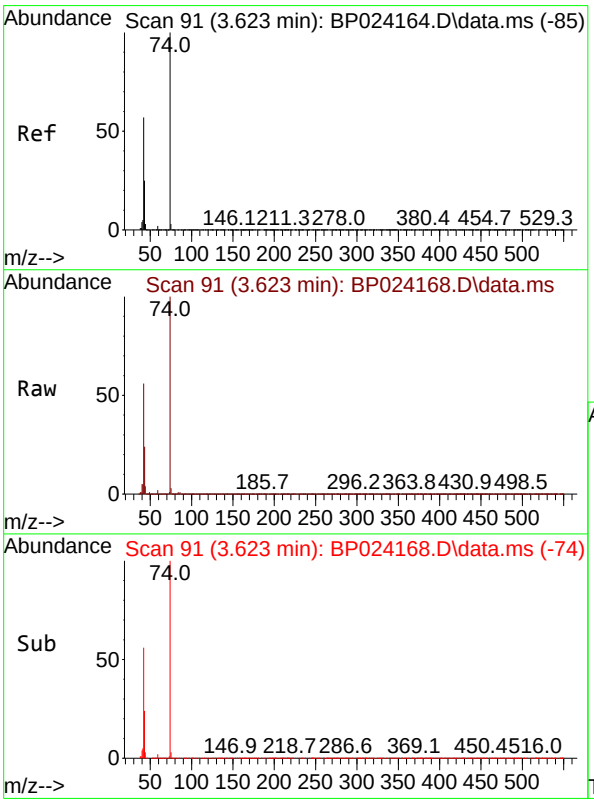

#3
Pyridine
Concen: 38.718 ng
RT: 3.717 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

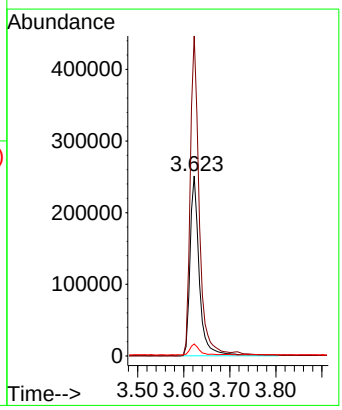


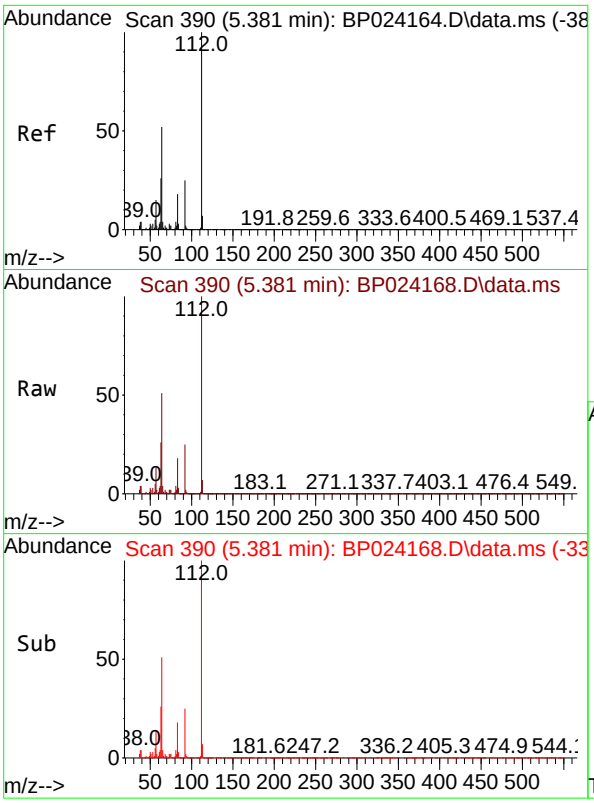




#4
n-Nitrosodimethylamine
Concen: 38.646 ng
RT: 3.623 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



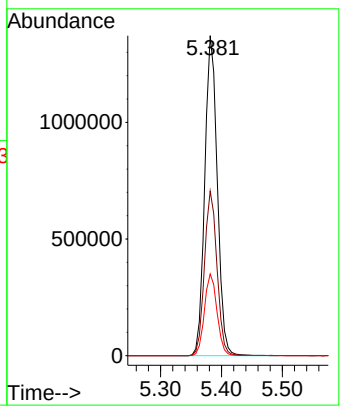


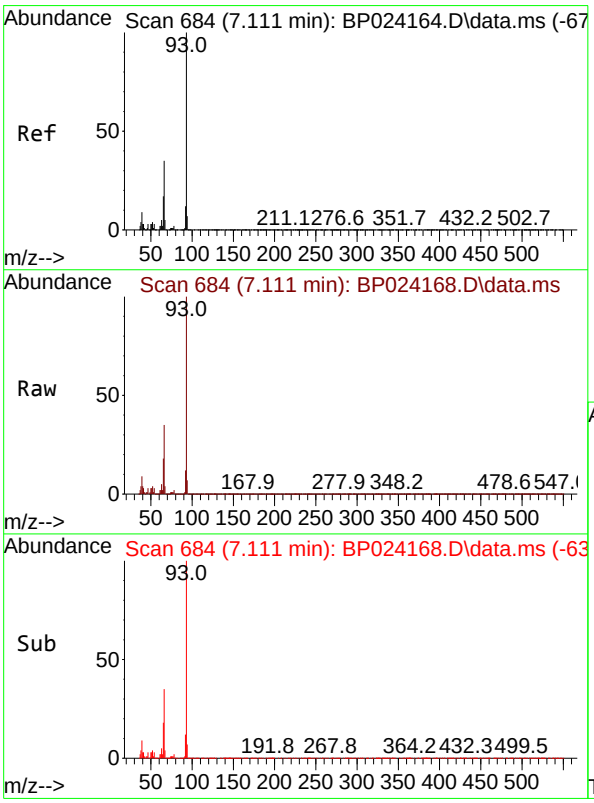

#5
2-Fluorophenol
Concen: 78.230 ng
RT: 5.381 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

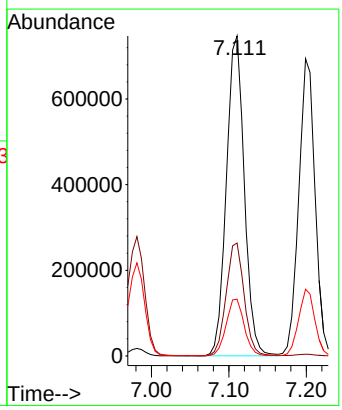


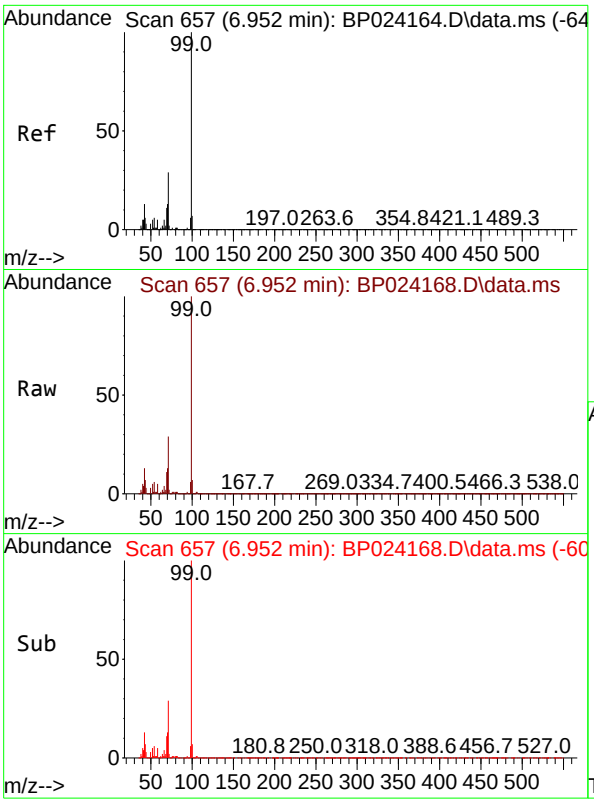




#6
Aniline
Concen: 39.413 ng
RT: 7.111 min Scan# 684
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



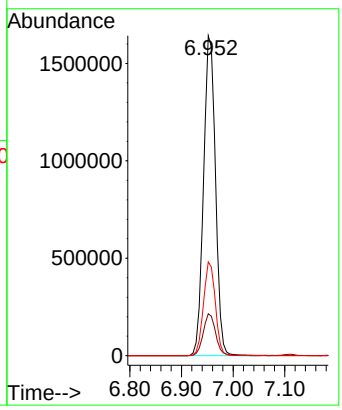


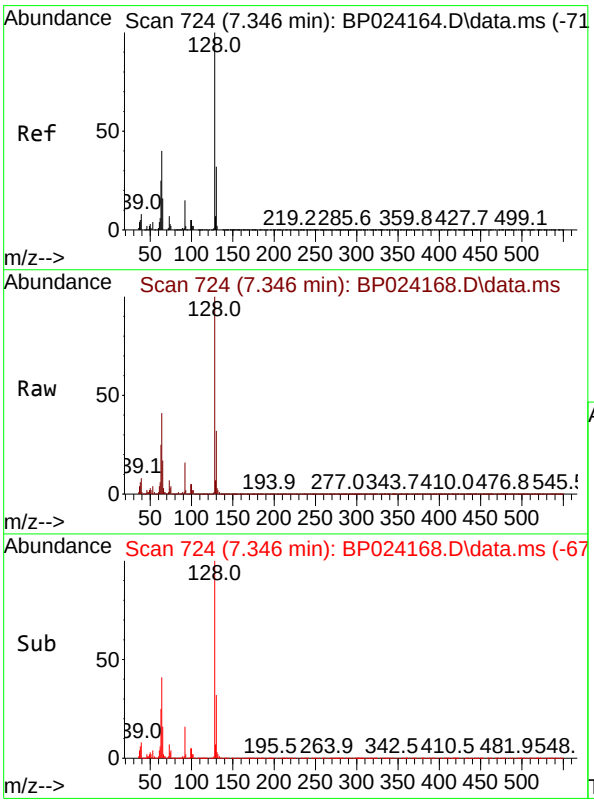

#7
Phenol-d6
Concen: 78.704 ng
RT: 6.952 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

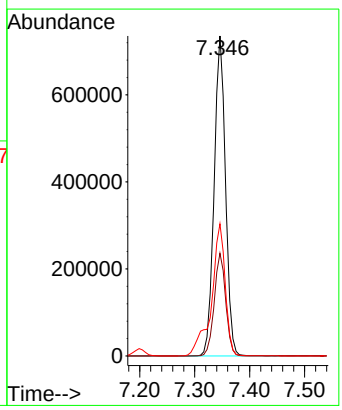


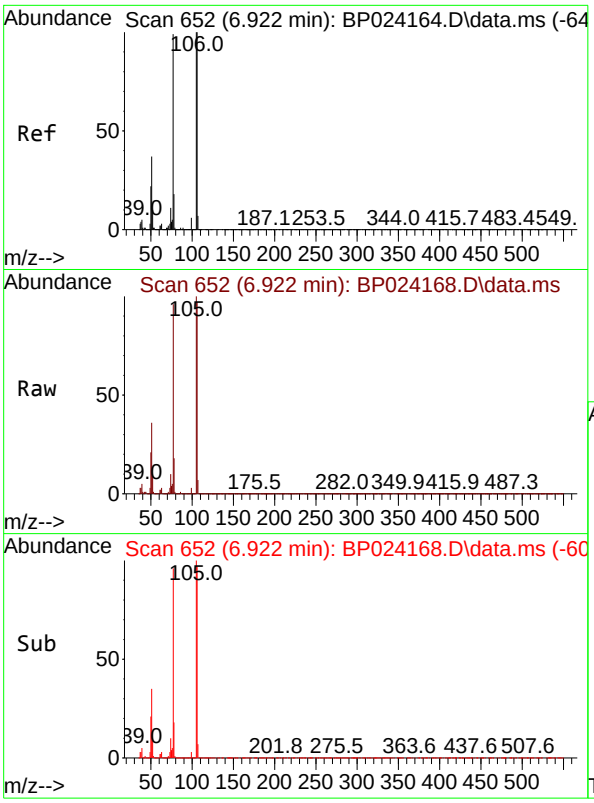




#8
2-Chlorophenol
Concen: 39.149 ng
RT: 7.346 min Scan# 724
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



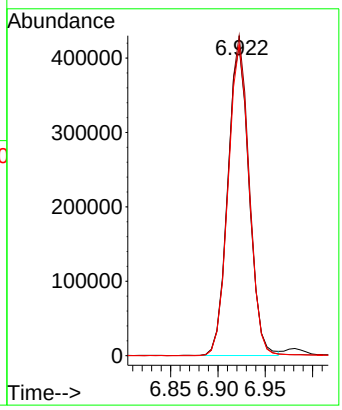


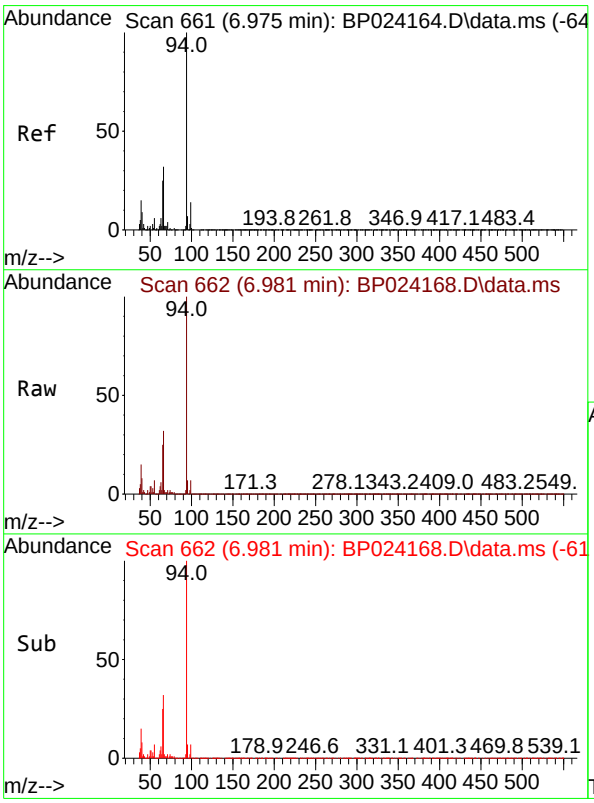

#9
Benzaldehyde
Concen: 40.389 ng
RT: 6.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

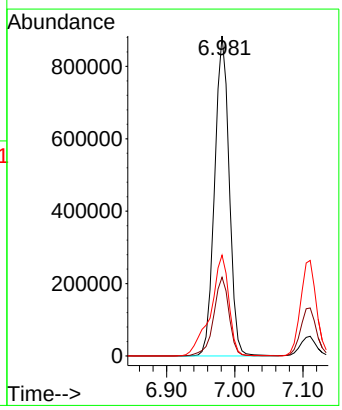


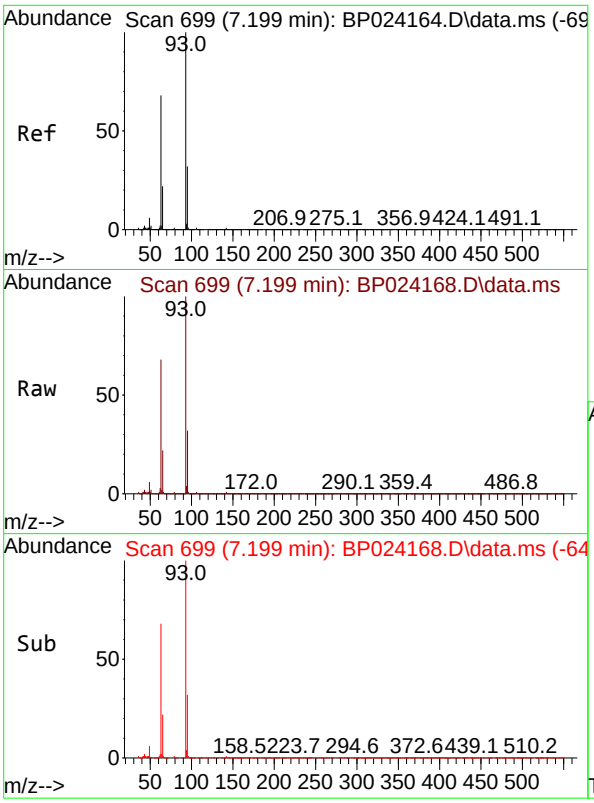




#10
Phenol
Concen: 38.869 ng
RT: 6.981 min Scan# 662
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



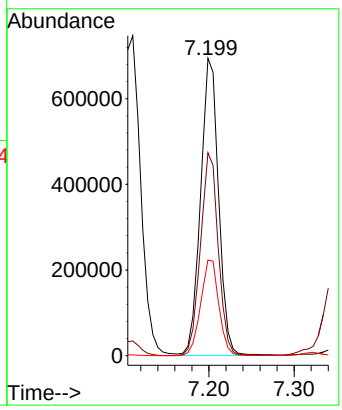


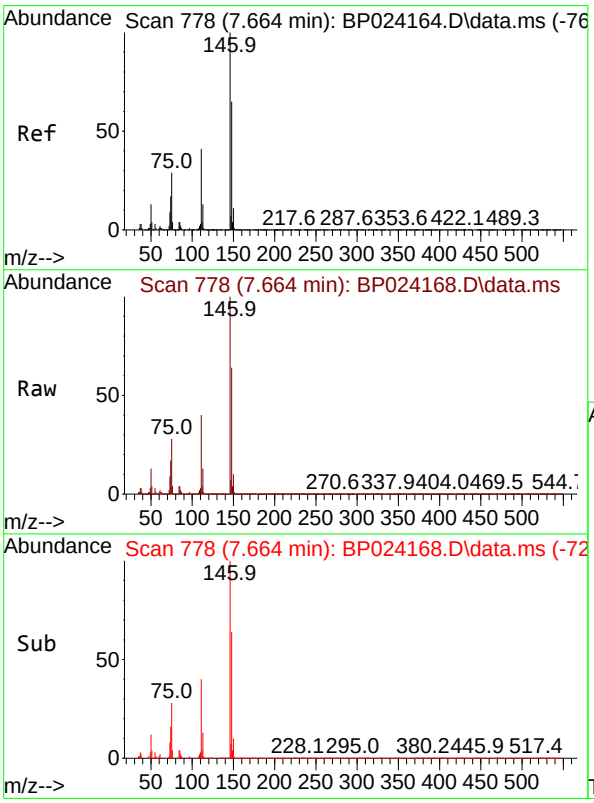

#11
bis(2-Chloroethyl)ether
Concen: 38.203 ng
RT: 7.199 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

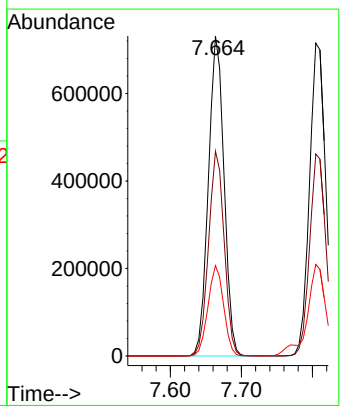


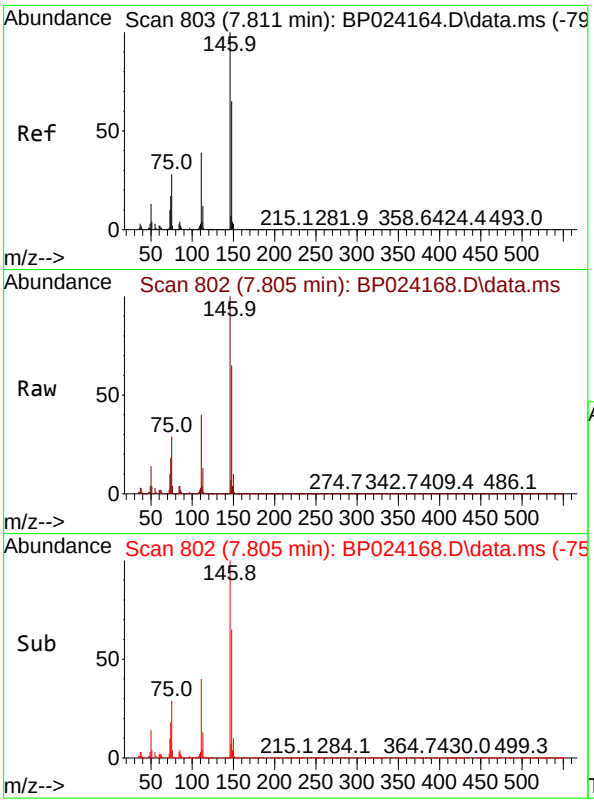




#12
1,3-Dichlorobenzene
Concen: 38.353 ng
RT: 7.664 min Scan# 778
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



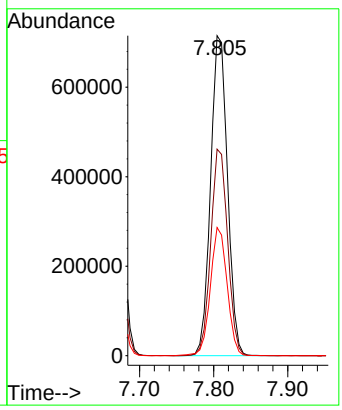


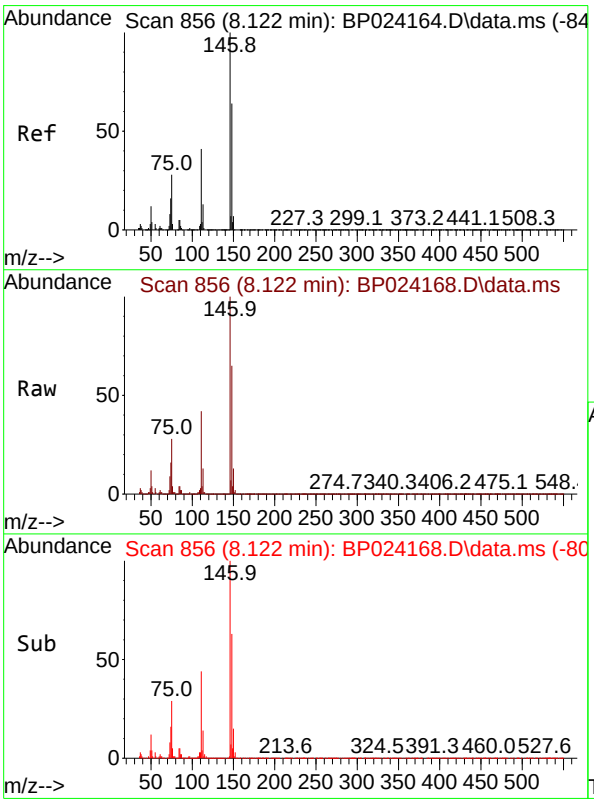

#13
1,4-Dichlorobenzene
Concen: 37.960 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

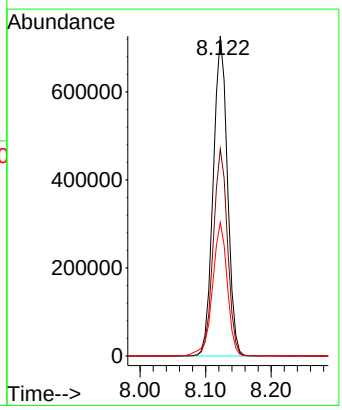


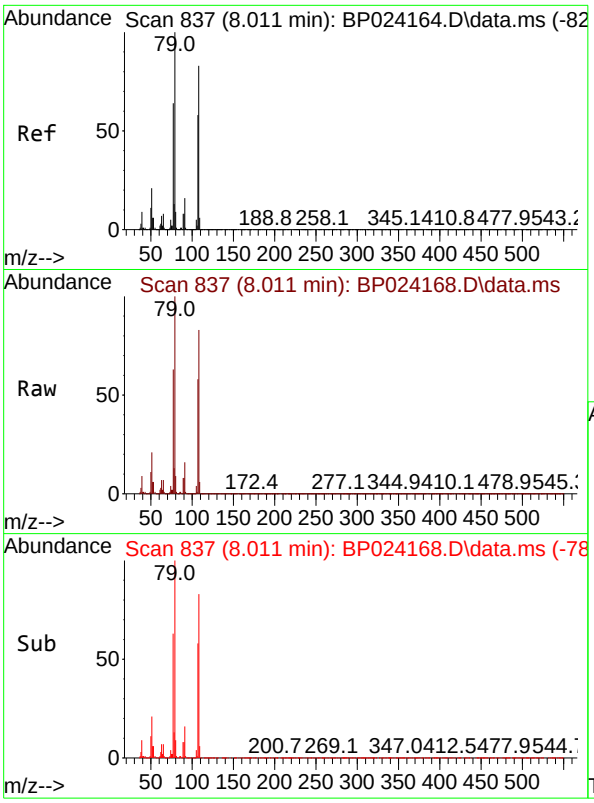




#14
1,2-Dichlorobenzene
Concen: 38.116 ng
RT: 8.122 min Scan# 856
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



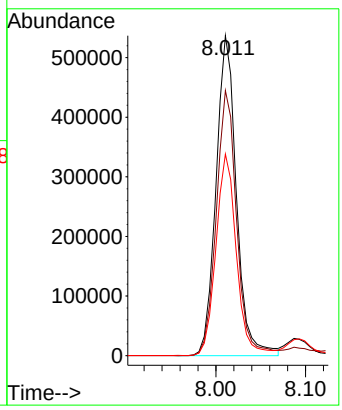


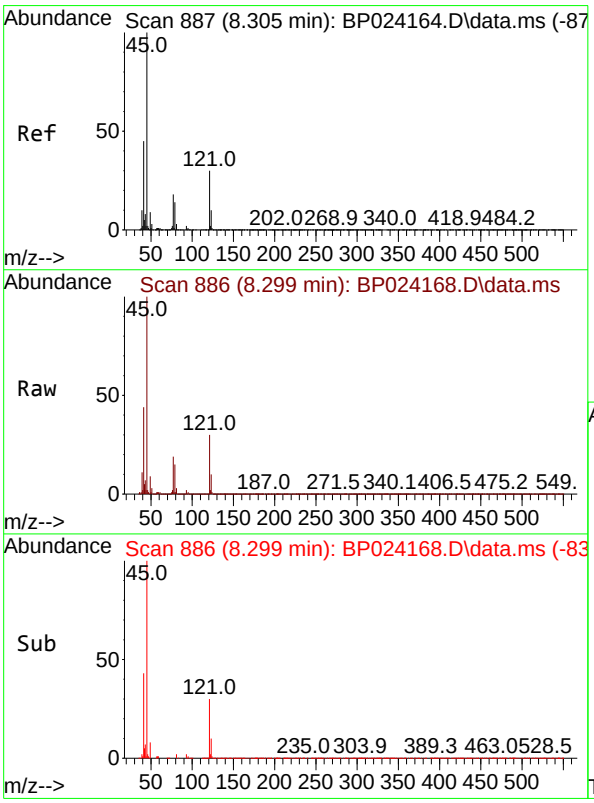

#15
Benzyl Alcohol
Concen: 39.999 ng
RT: 8.011 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

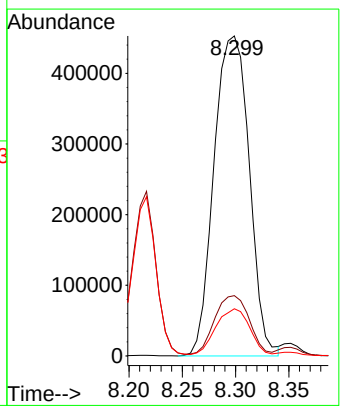


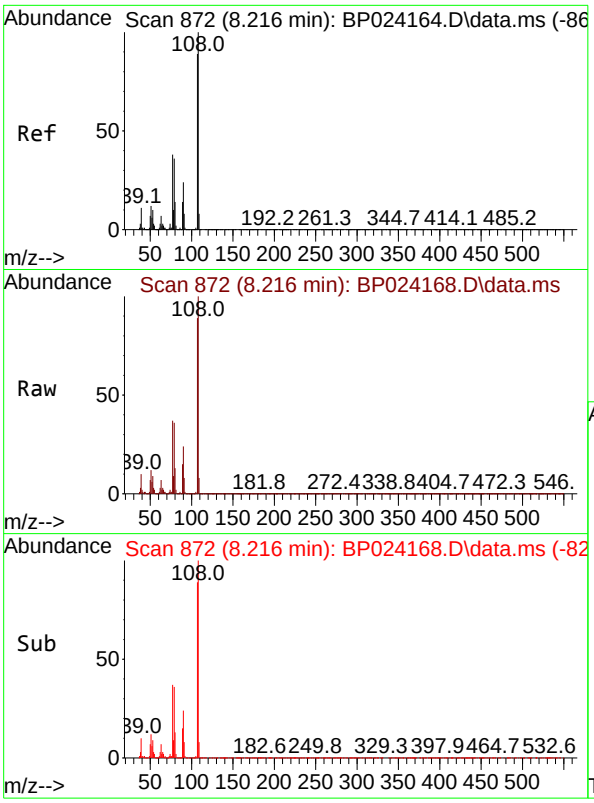




#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.356 ng
RT: 8.299 min Scan# 886
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



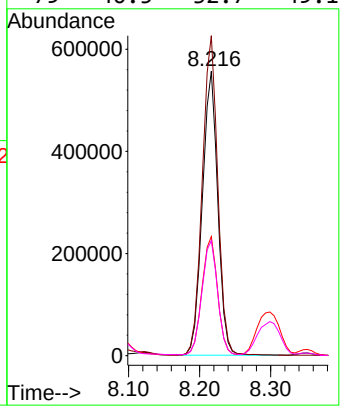


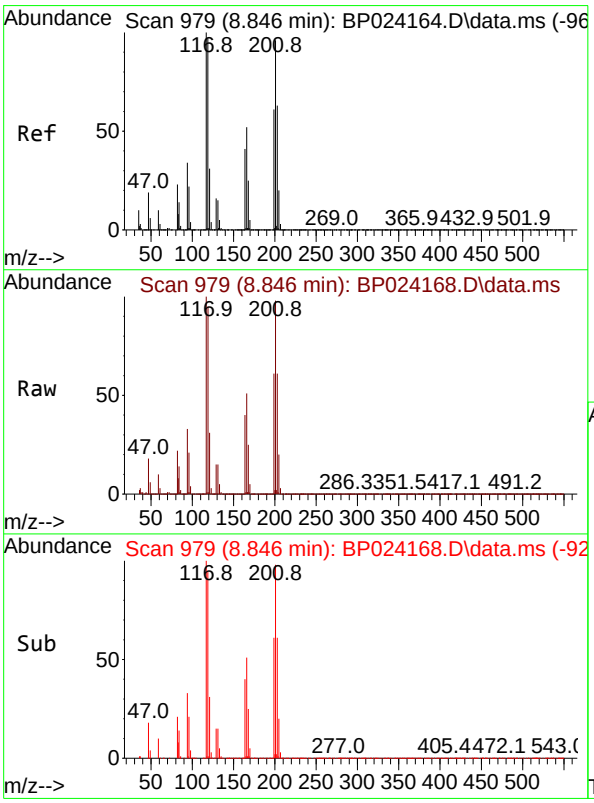

#17
2-Methylphenol
Concen: 39.636 ng
RT: 8.216 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

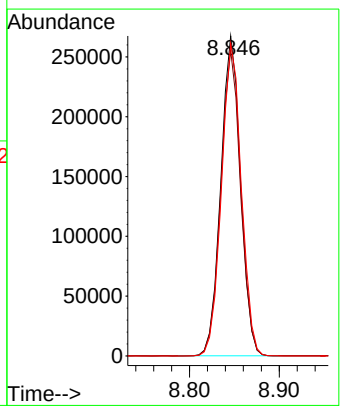


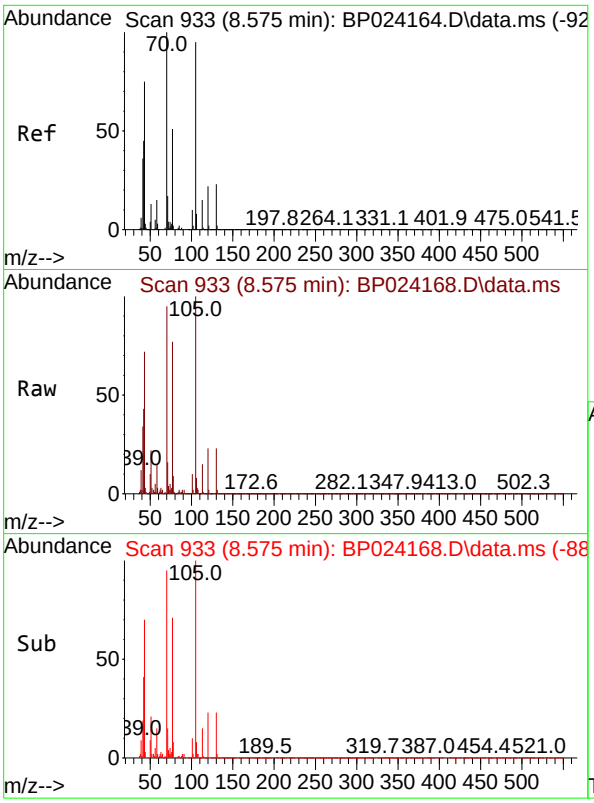




#18
Hexachloroethane
Concen: 38.587 ng
RT: 8.846 min Scan# 979
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



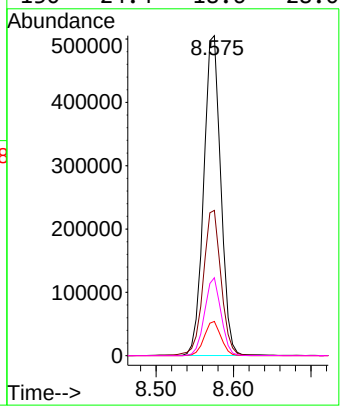


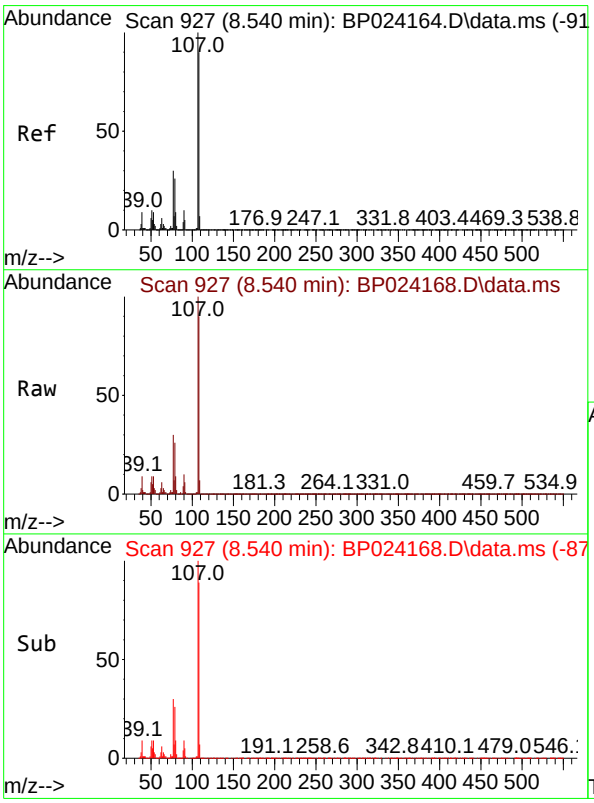

#19
n-Nitroso-di-n-propylamine
Concen: 39.697 ng
RT: 8.575 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

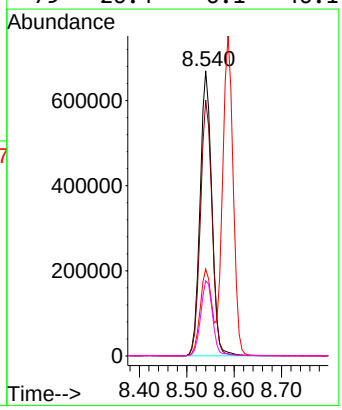


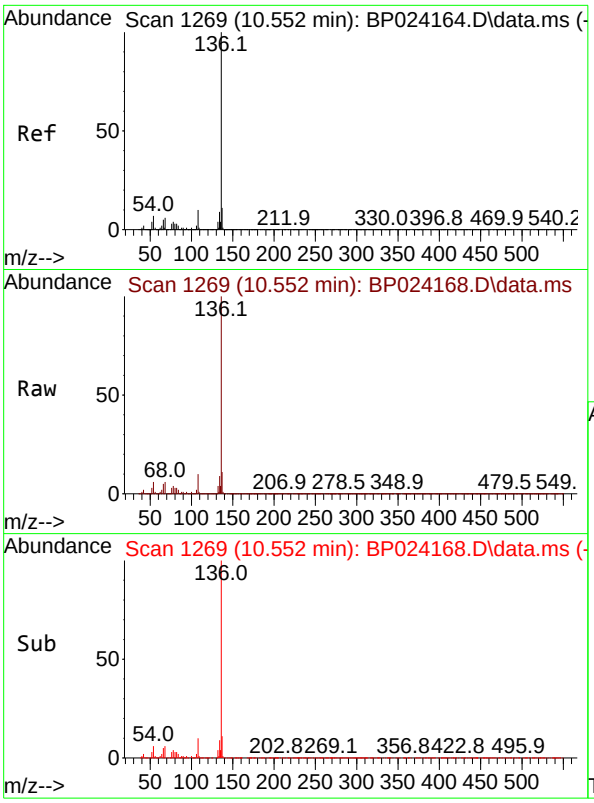




#20
3+4-Methylphenols
Concen: 39.629 ng
RT: 8.540 min Scan# 927
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



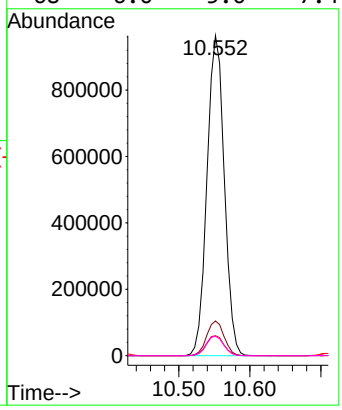


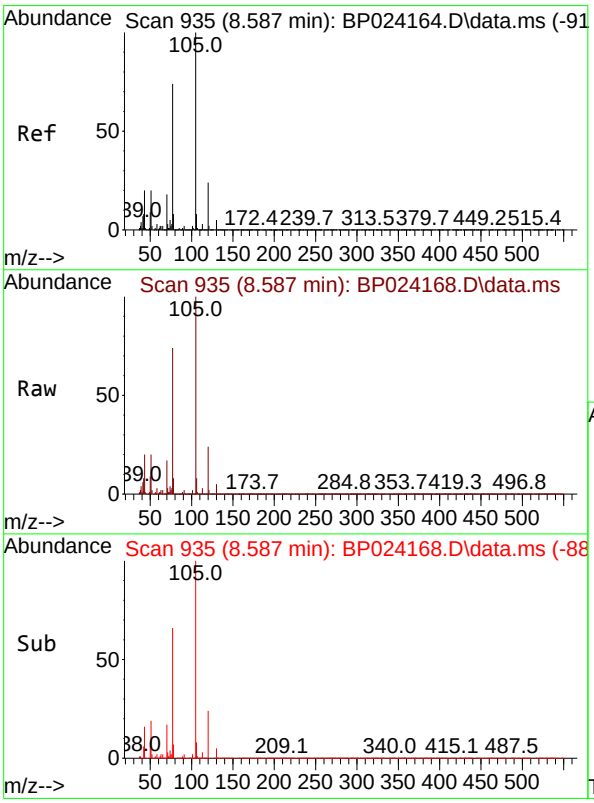

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.552 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

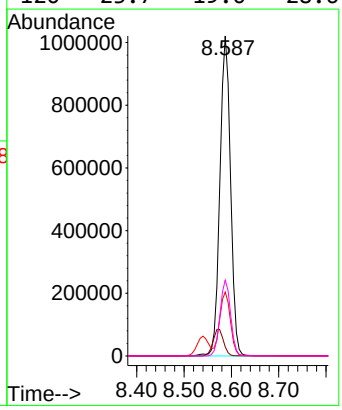


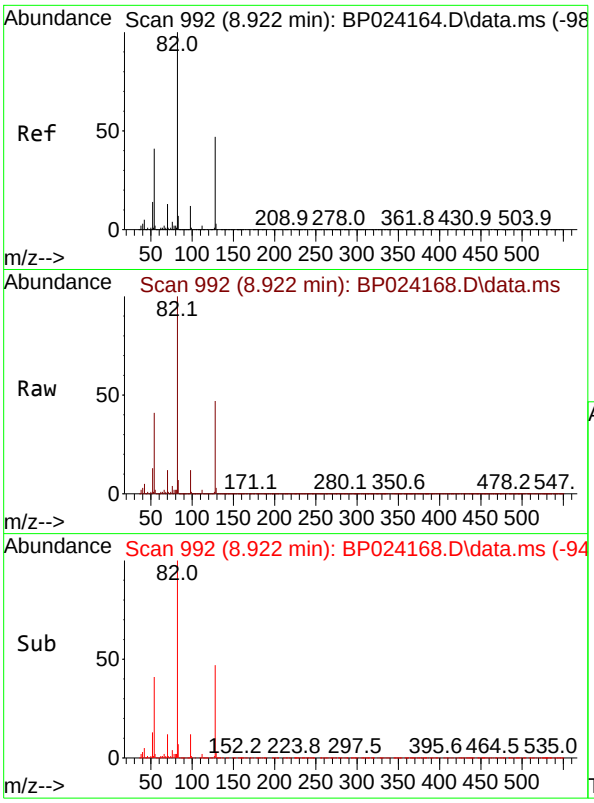




#22
Acetophenone
Concen: 38.611 ng
RT: 8.587 min Scan# 935
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



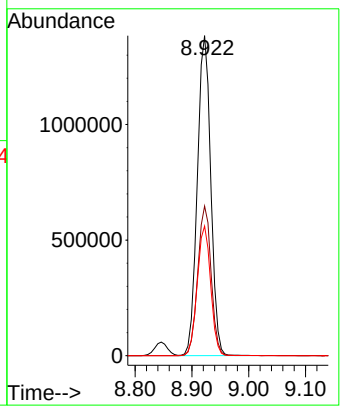


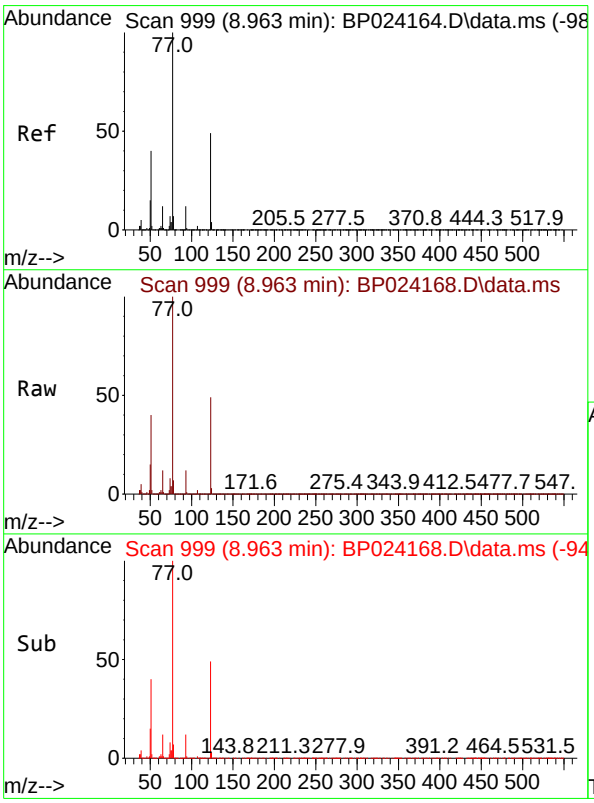

#23
Nitrobenzene-d5
Concen: 78.652 ng
RT: 8.922 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

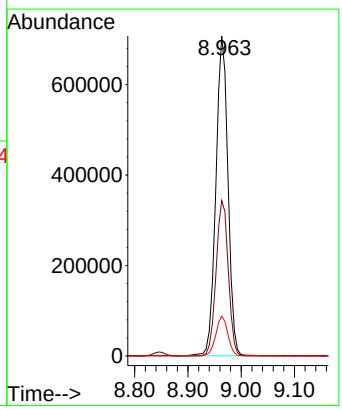


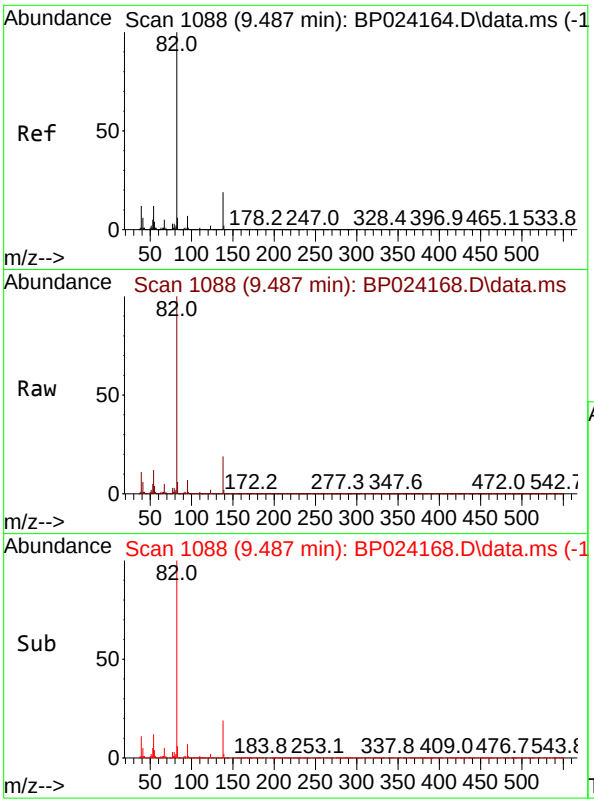




#24
Nitrobenzene
Concen: 39.045 ng
RT: 8.963 min Scan# 999
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



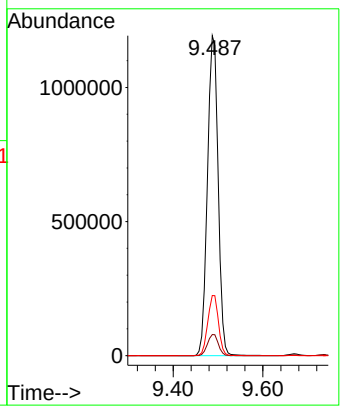


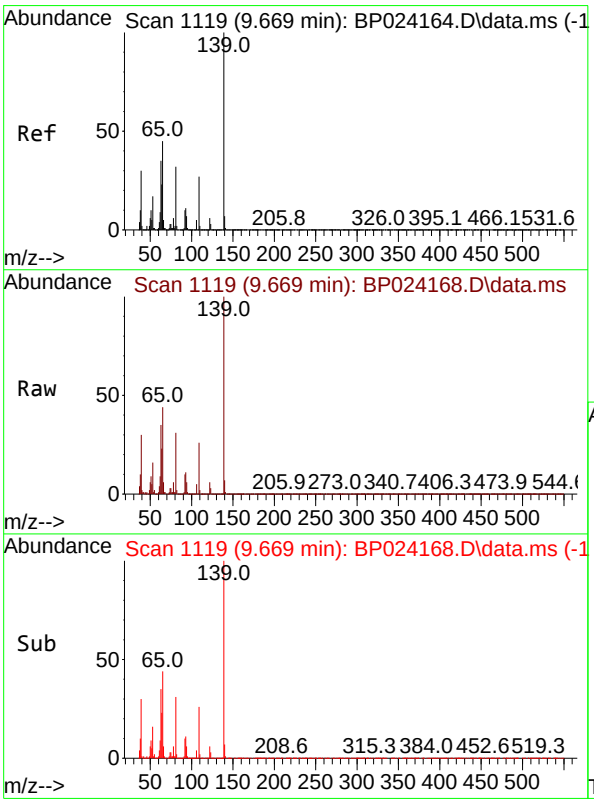

#25
Isophorone
Concen: 39.677 ng
RT: 9.487 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

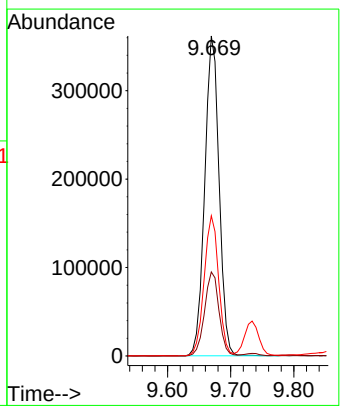


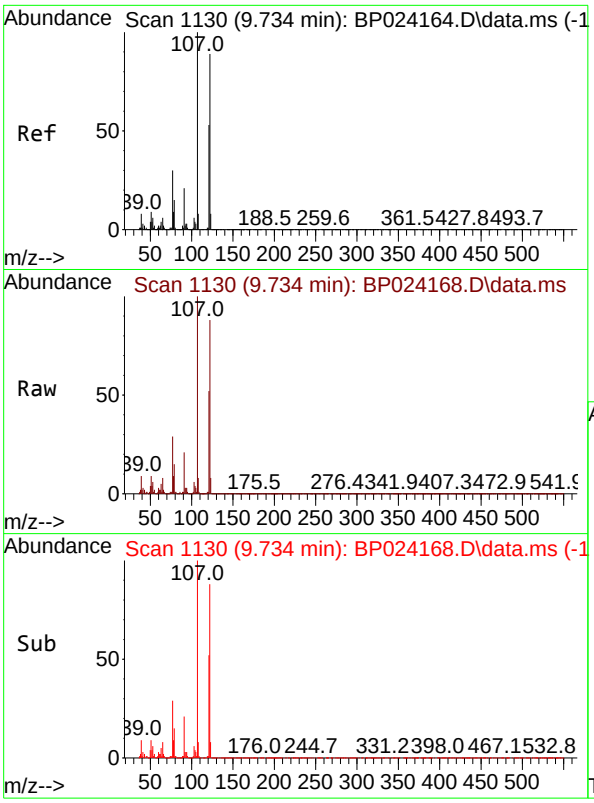




#26
2-Nitrophenol
Concen: 41.892 ng
RT: 9.669 min Scan# 1119
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



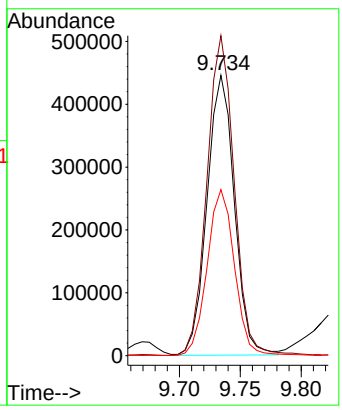


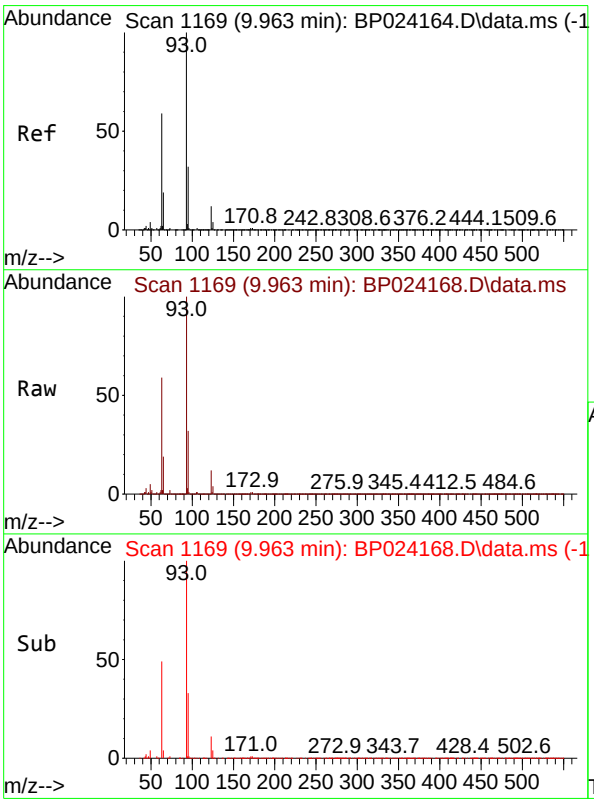

#27
2,4-Dimethylphenol
Concen: 39.779 ng
RT: 9.734 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

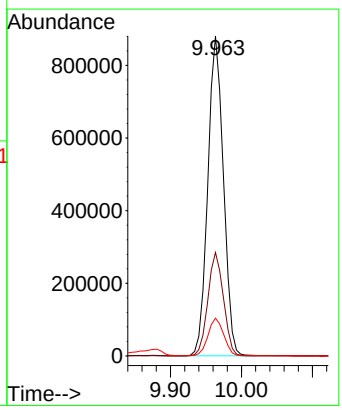


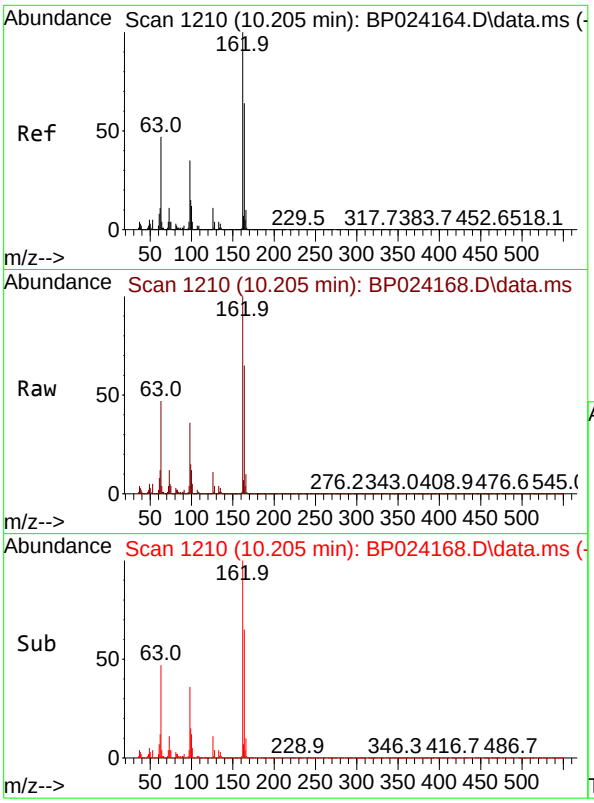




#28
bis(2-Chloroethoxy)methane
Concen: 38.608 ng
RT: 9.963 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



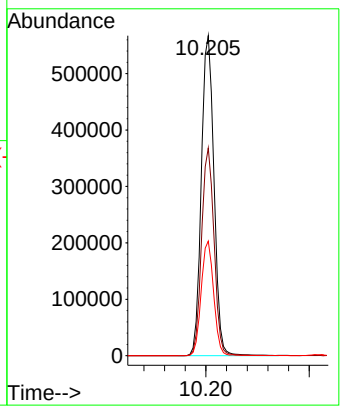


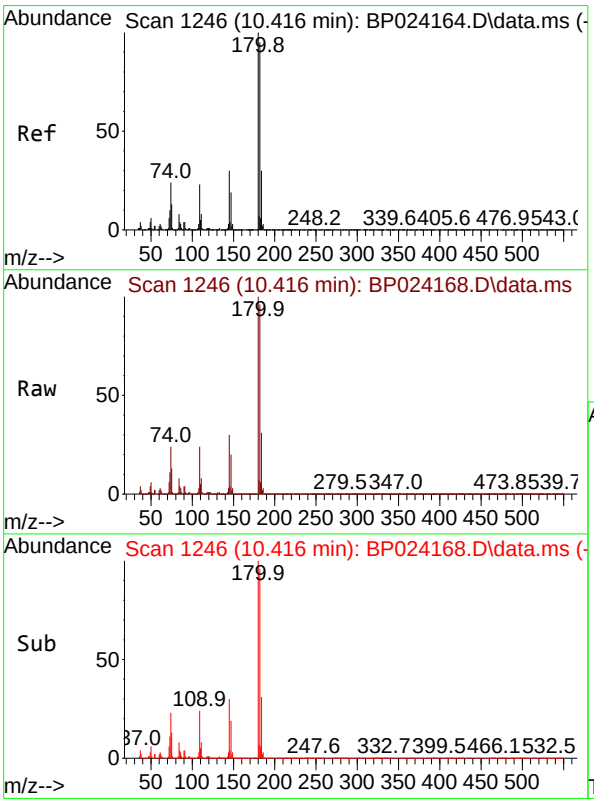

#29
2,4-Dichlorophenol
Concen: 40.558 ng
RT: 10.205 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

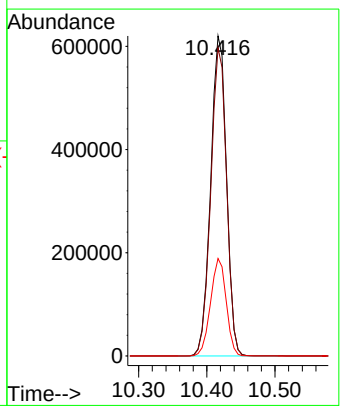


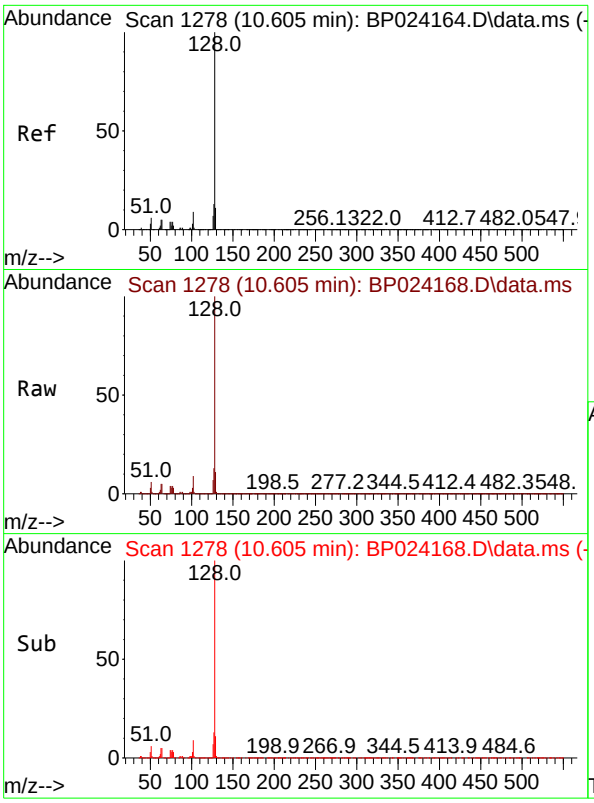




#30
1,2,4-Trichlorobenzene
Concen: 38.264 ng
RT: 10.416 min Scan# 1246
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



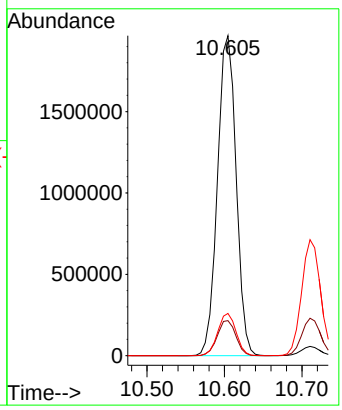


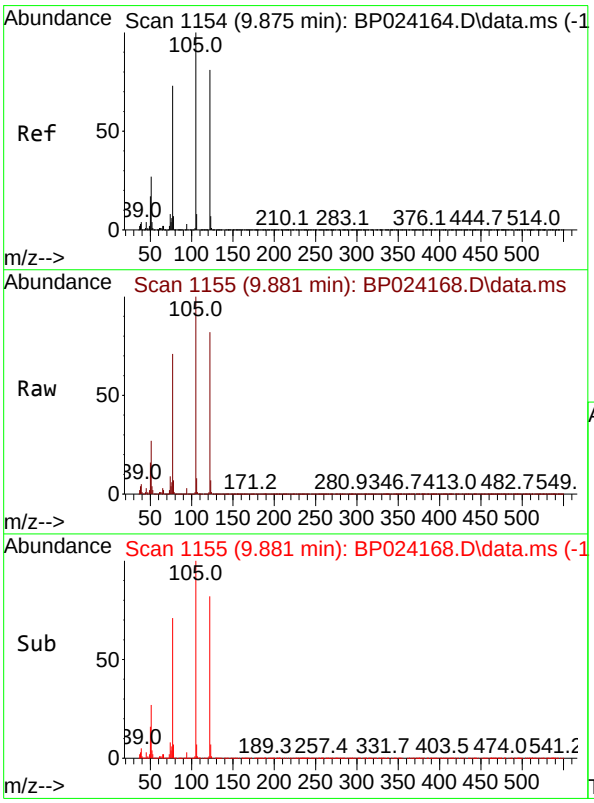

#31
Naphthalene
Concen: 38.223 ng
RT: 10.605 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

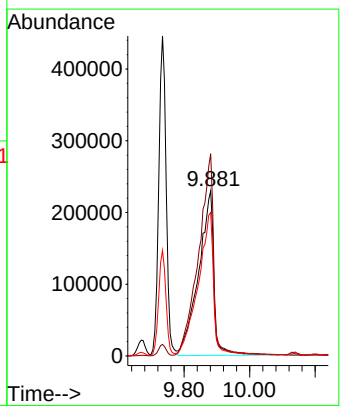


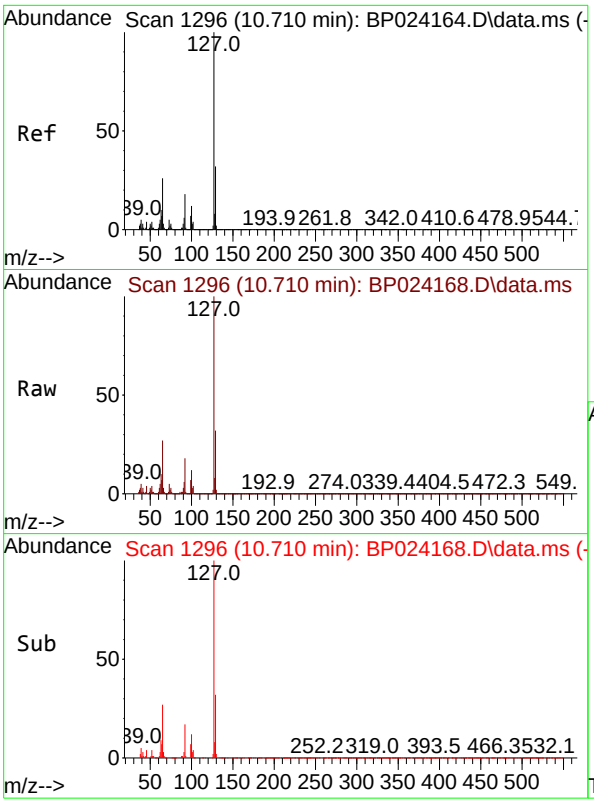




#32
Benzoic acid
Concen: 43.618 ng
RT: 9.881 min Scan# 1155
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



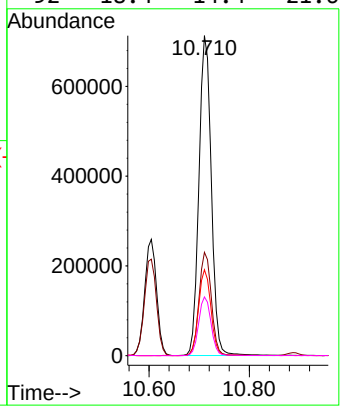


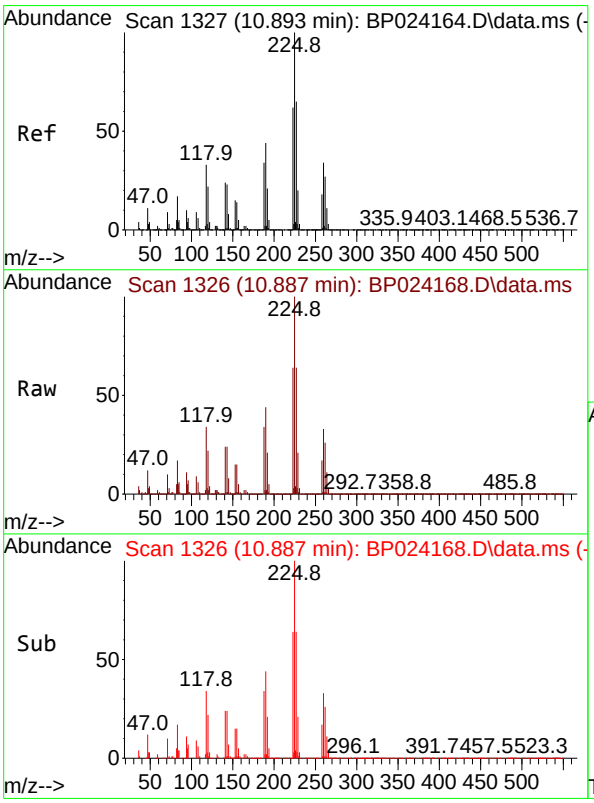

#33
4-Chloroaniline
Concen: 39.499 ng
RT: 10.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

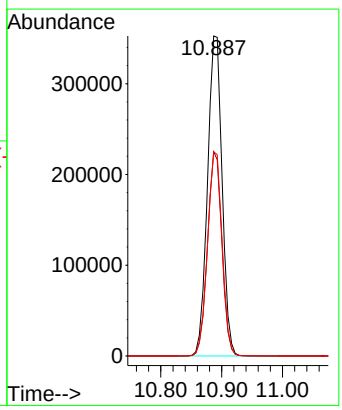


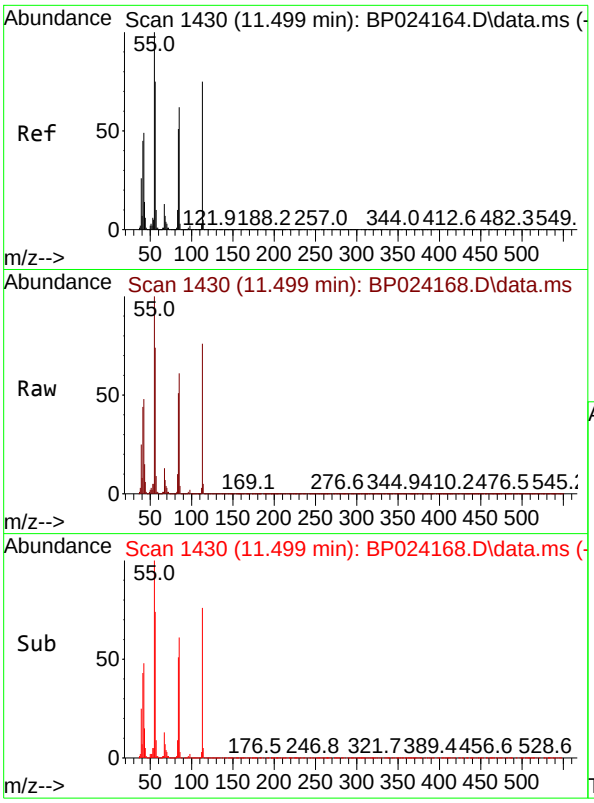




#34
Hexachlorobutadiene
Concen: 38.854 ng
RT: 10.887 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



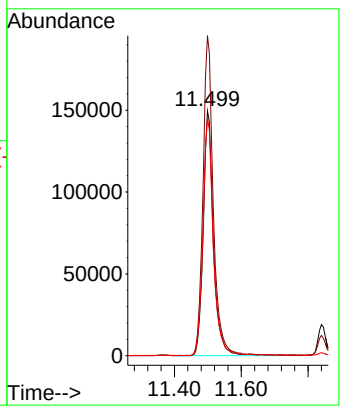


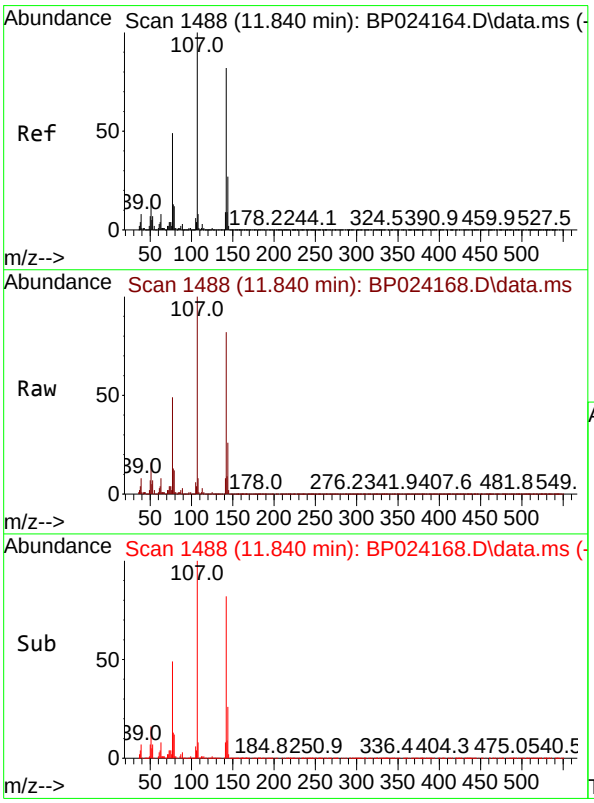

#35
Caprolactam
Concen: 40.859 ng
RT: 11.499 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

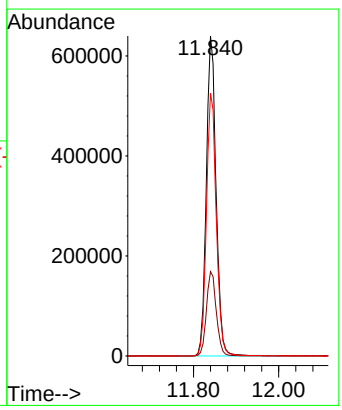


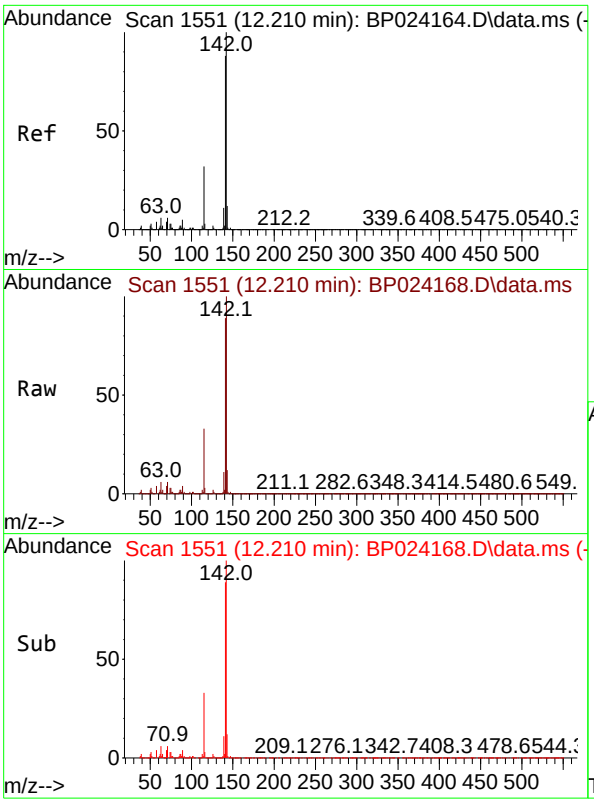




#36
4-Chloro-3-methylphenol
Concen: 39.702 ng
RT: 11.840 min Scan# 1488
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



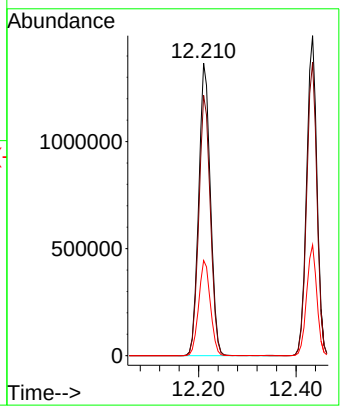


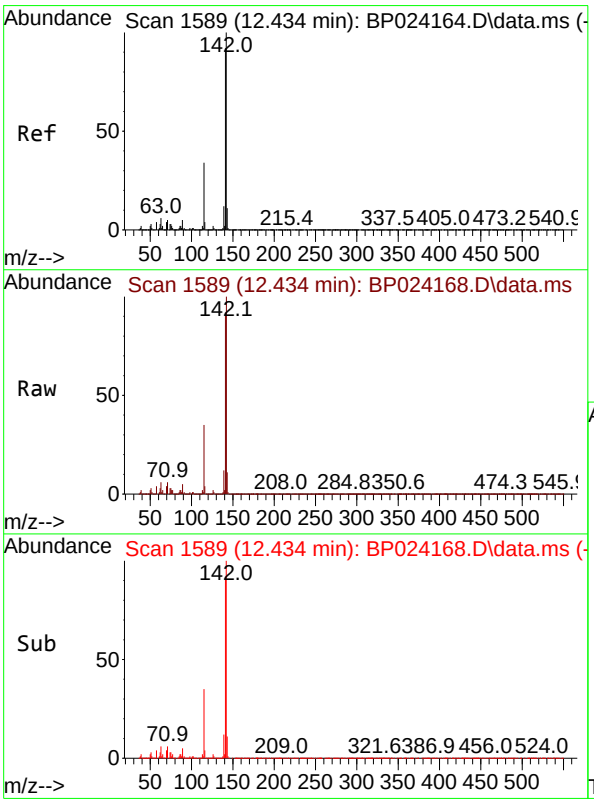

#37
2-Methylnaphthalene
Concen: 38.762 ng
RT: 12.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

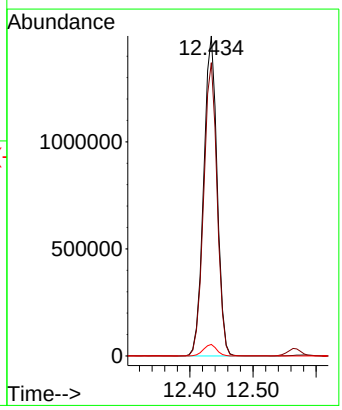


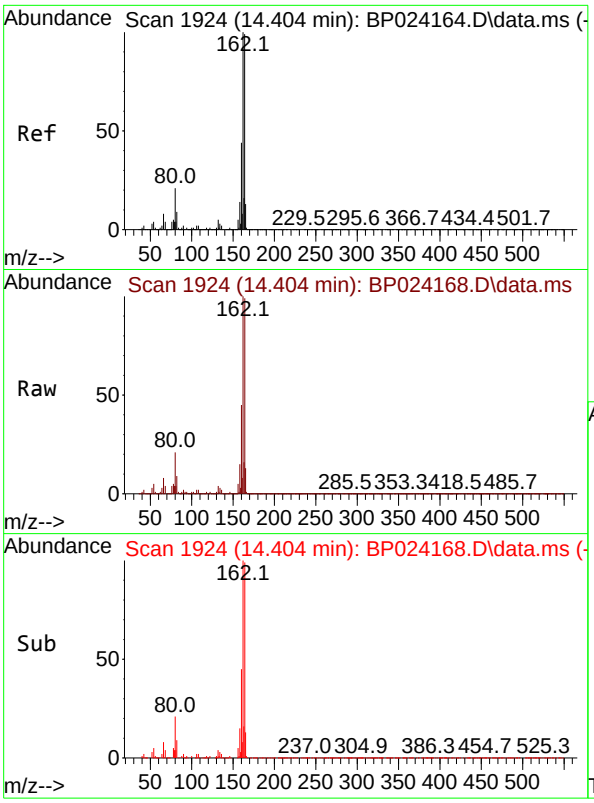




#38
1-Methylnaphthalene
Concen: 38.874 ng
RT: 12.434 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



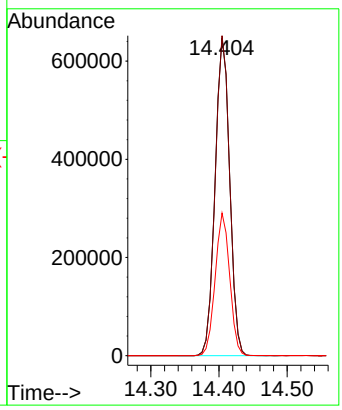


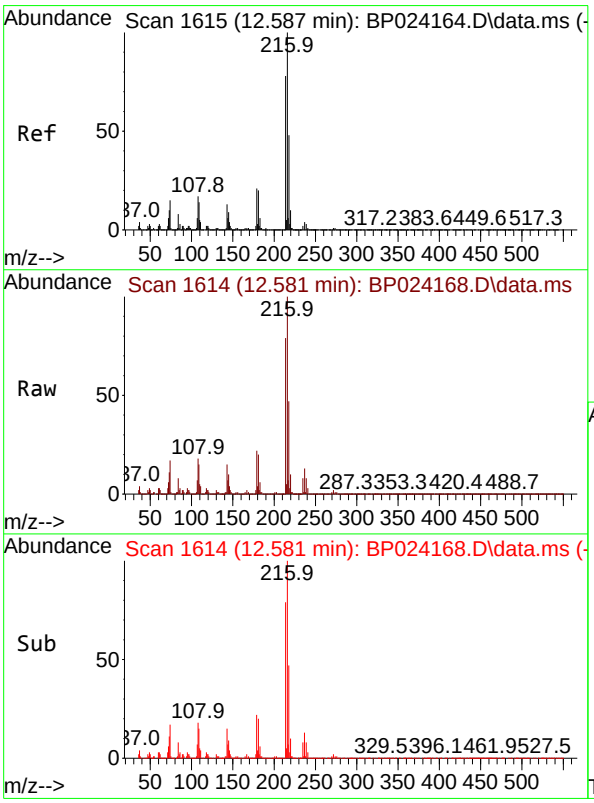

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

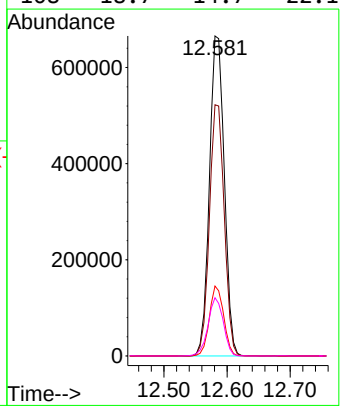


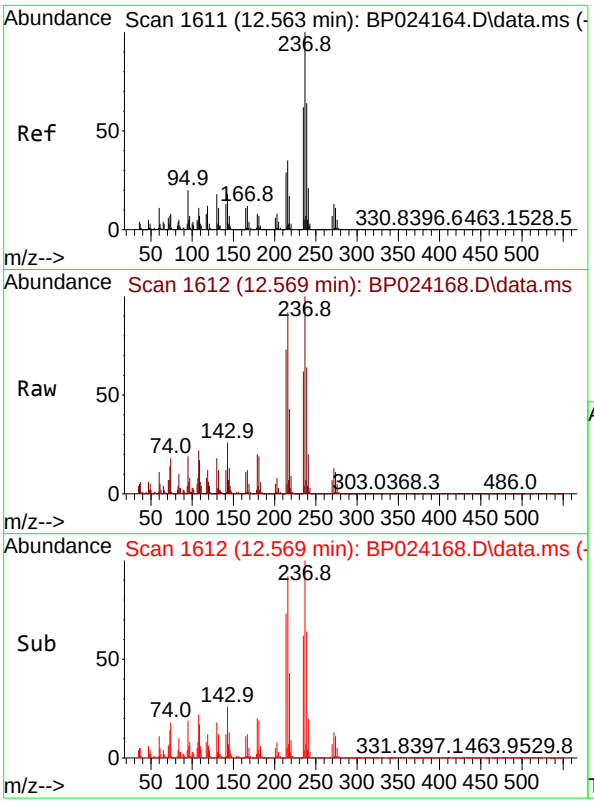




#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.988 ng
RT: 12.581 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



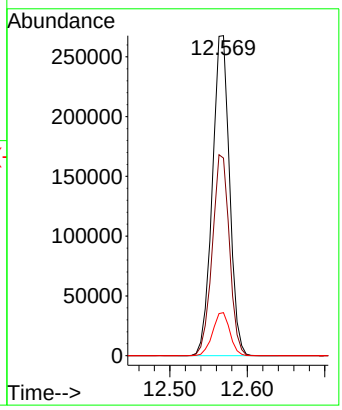


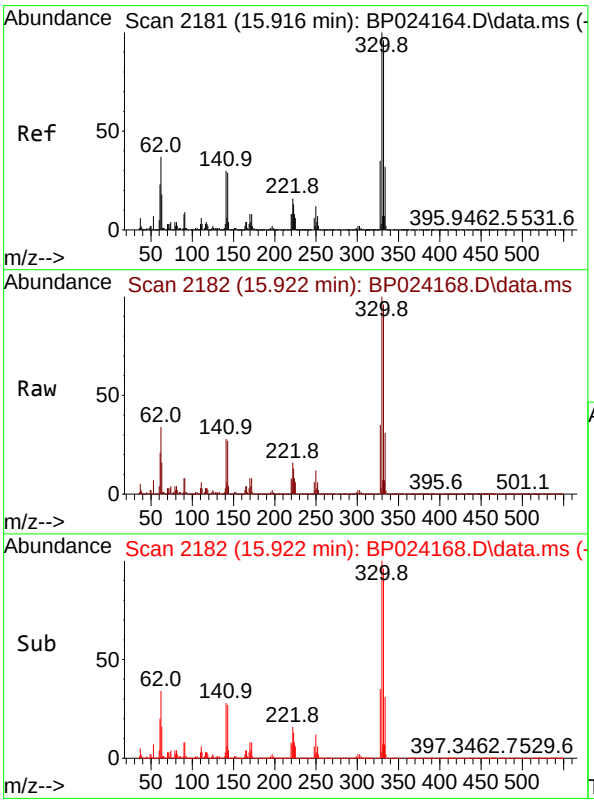

#41
Hexachlorocyclopentadiene
Concen: 41.026 ng
RT: 12.569 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

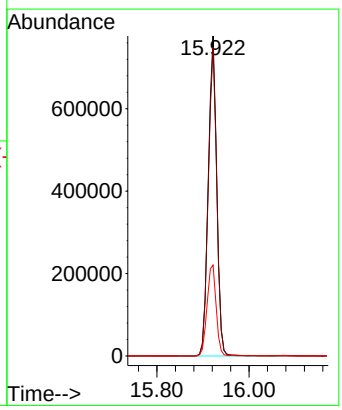


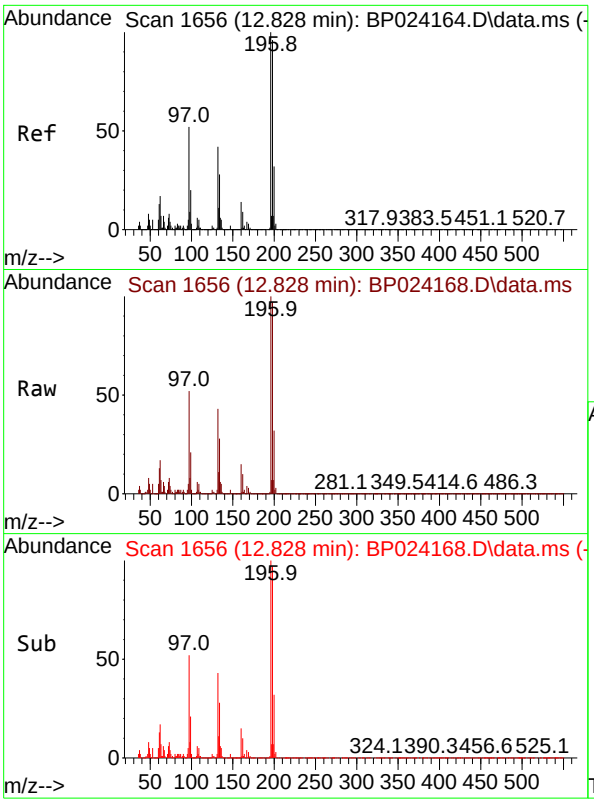




#42
2,4,6-Tribromophenol
Concen: 81.766 ng
RT: 15.922 min Scan# 2182
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



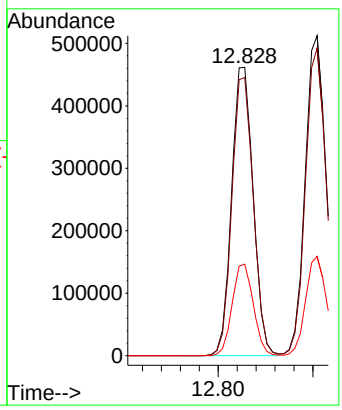


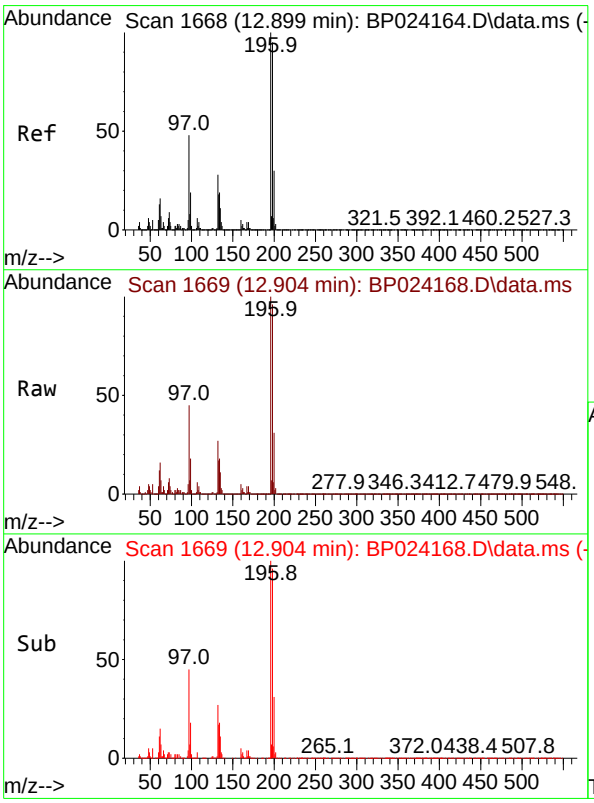

#43
2,4,6-Trichlorophenol
Concen: 40.950 ng
RT: 12.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

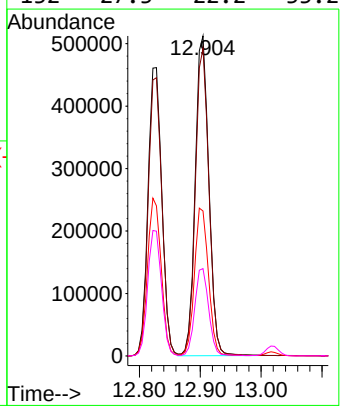


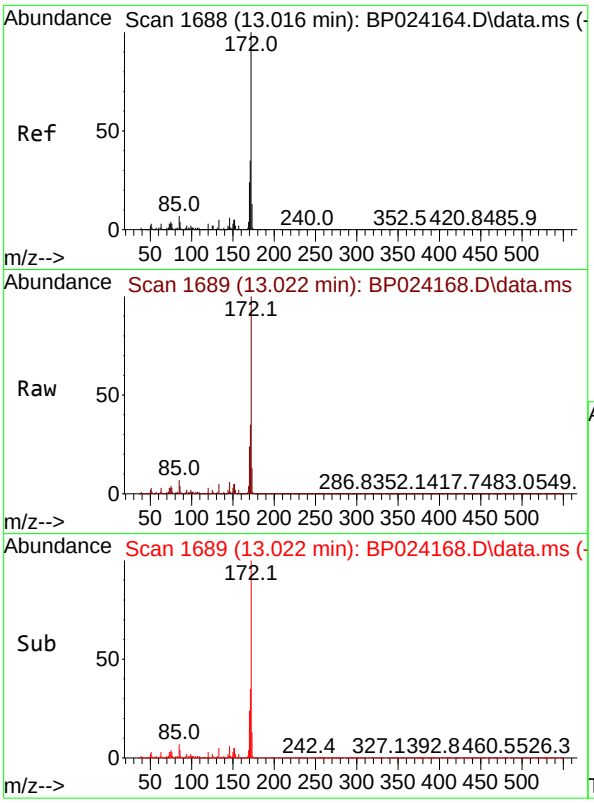




#44
2,4,5-Trichlorophenol
Concen: 40.985 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



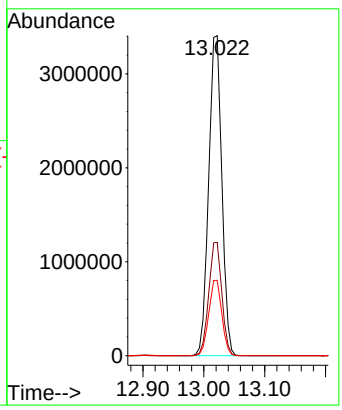


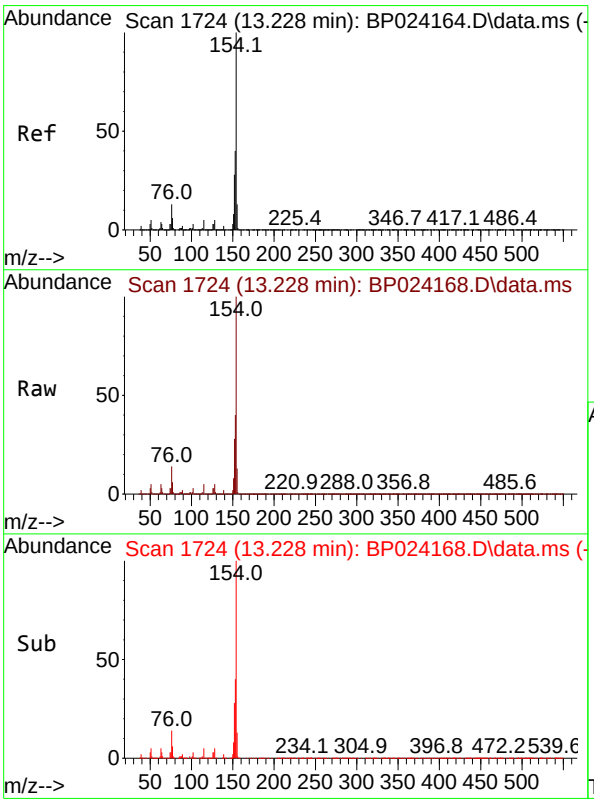

#45
2-Fluorobiphenyl
Concen: 77.885 ng
RT: 13.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

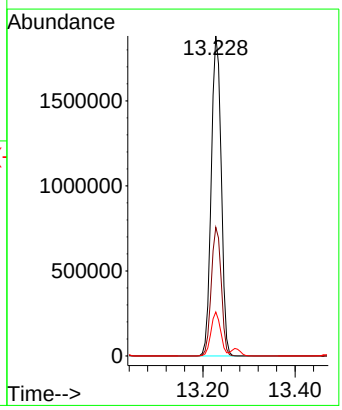


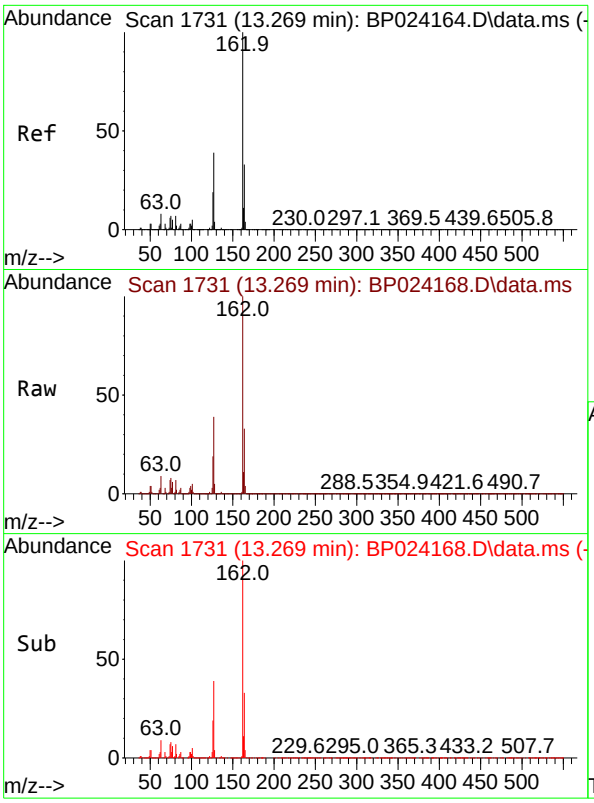




#46
1,1'-Biphenyl
Concen: 38.846 ng
RT: 13.228 min Scan# 1724
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



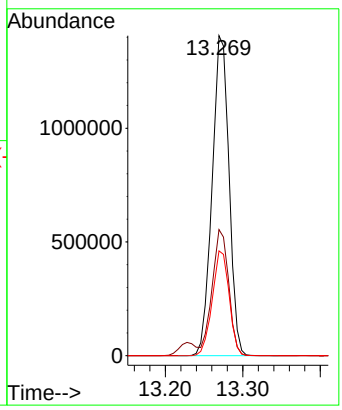


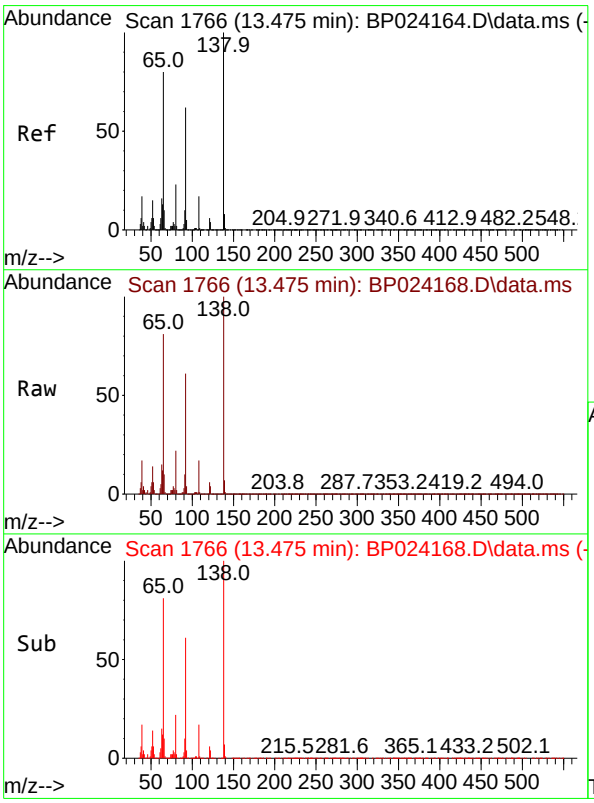

#47
2-Chloronaphthalene
Concen: 39.006 ng
RT: 13.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

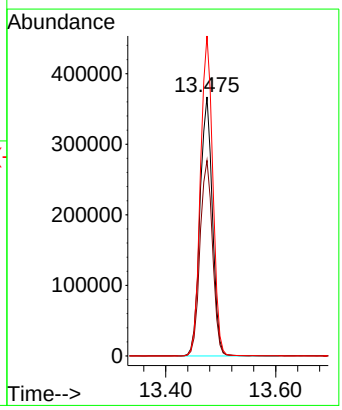


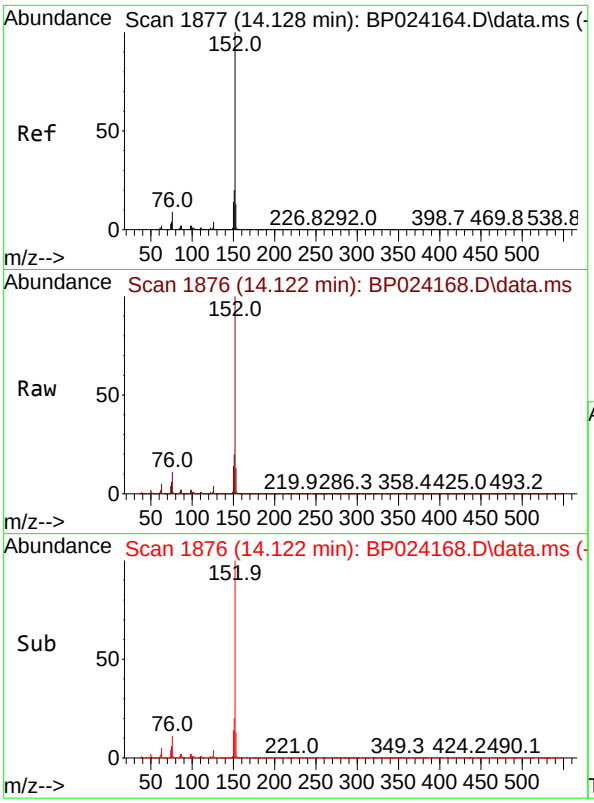




#48
2-Nitroaniline
Concen: 41.137 ng
RT: 13.475 min Scan# 1766
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



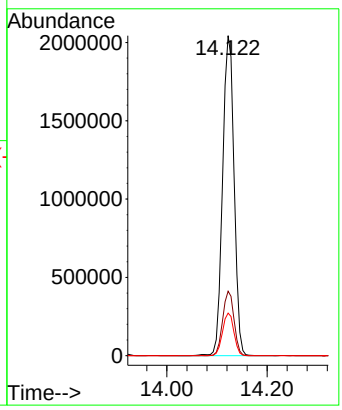


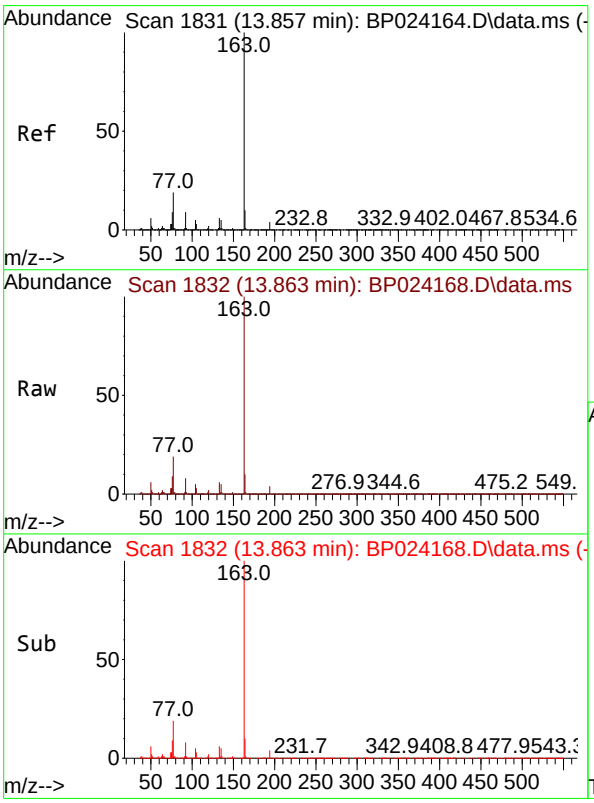

#49
Acenaphthylene
Concen: 39.262 ng
RT: 14.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

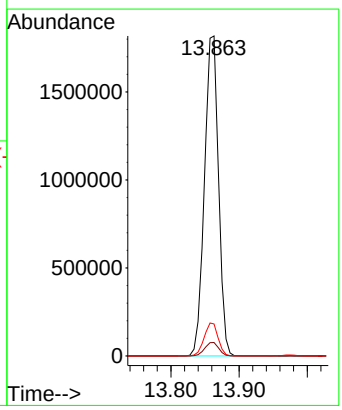


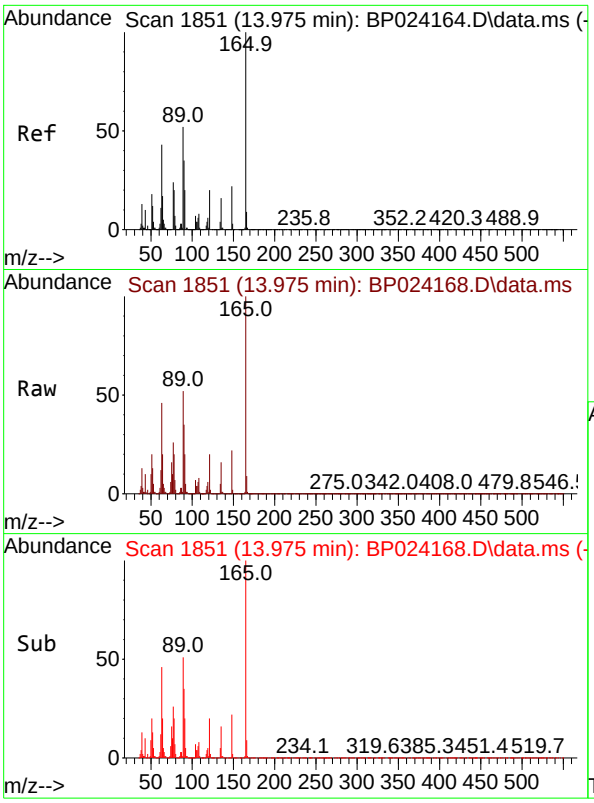




#50
Dimethylphthalate
Concen: 38.548 ng
RT: 13.863 min Scan# 1832
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



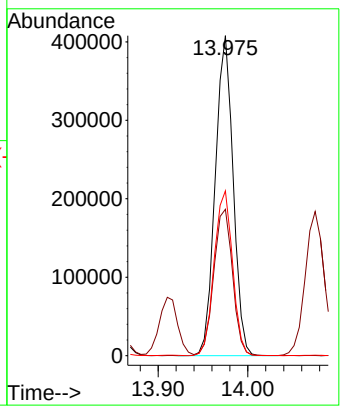


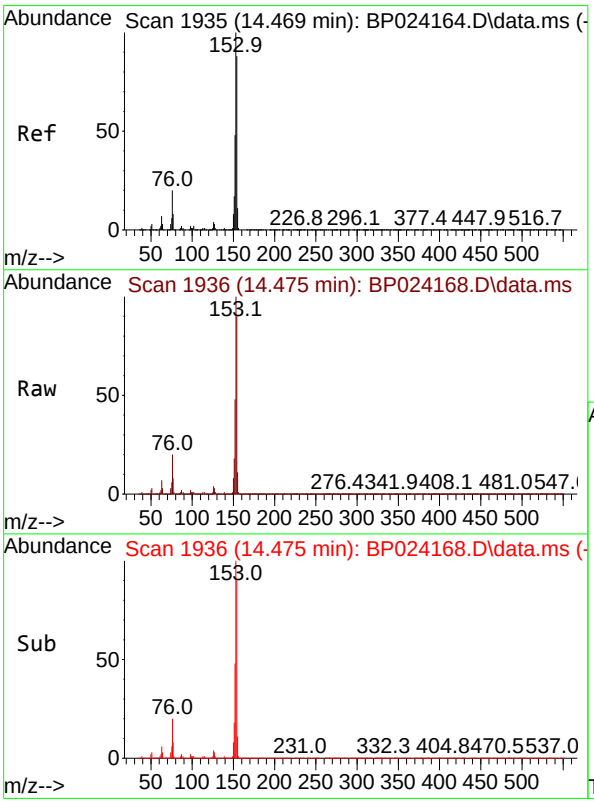

#51
2,6-Dinitrotoluene
Concen: 39.611 ng
RT: 13.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

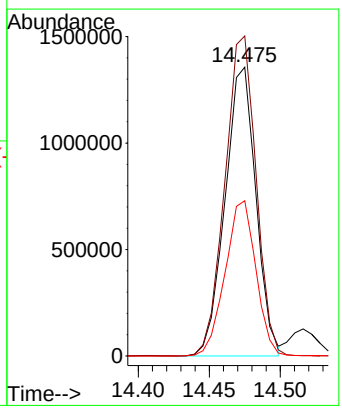


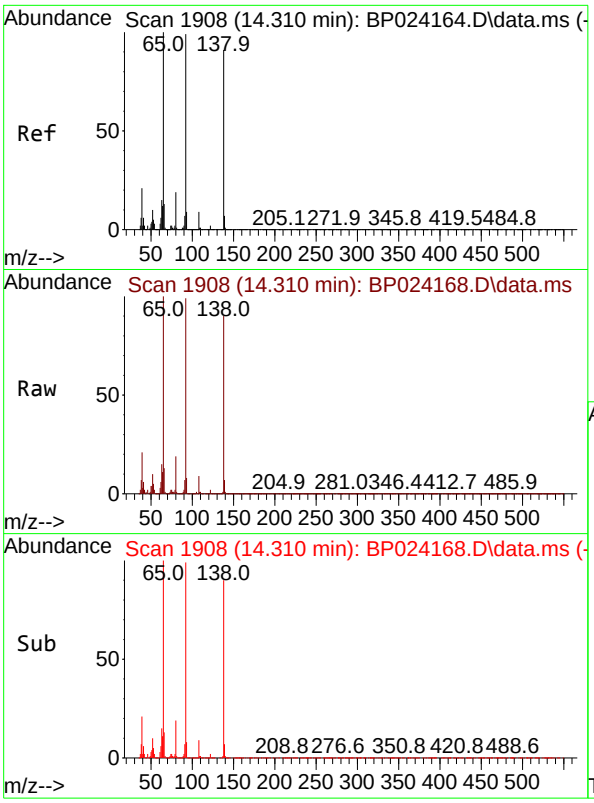




#52
Acenaphthene
Concen: 38.881 ng
RT: 14.475 min Scan# 1936
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



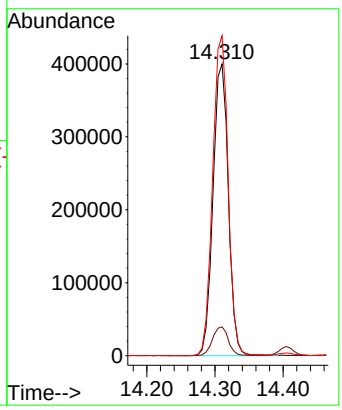


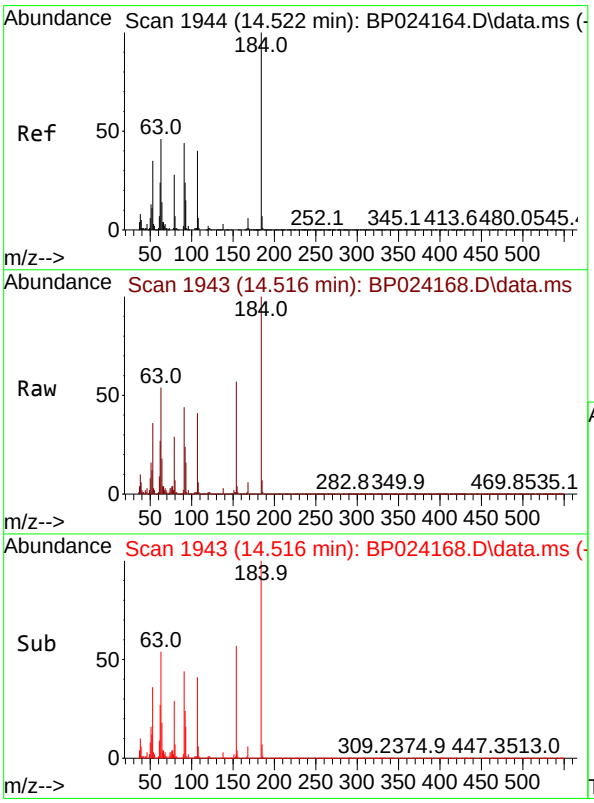

#53
3-Nitroaniline
Concen: 40.719 ng
RT: 14.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

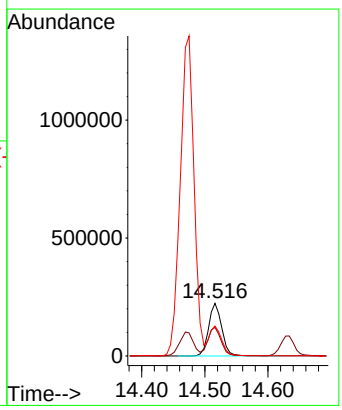


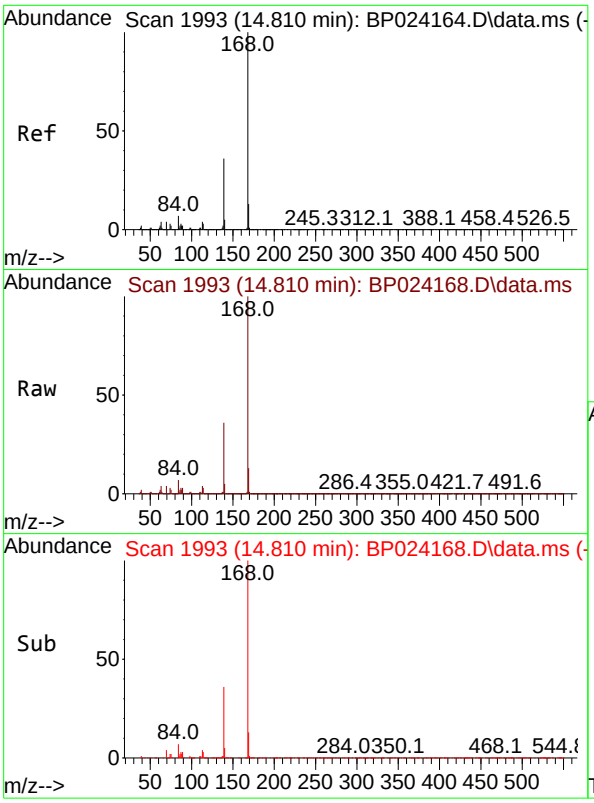




#54
2,4-Dinitrophenol
Concen: 42.791 ng
RT: 14.516 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



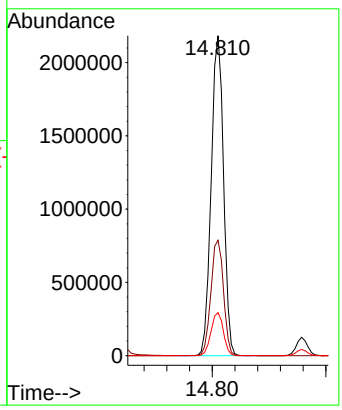


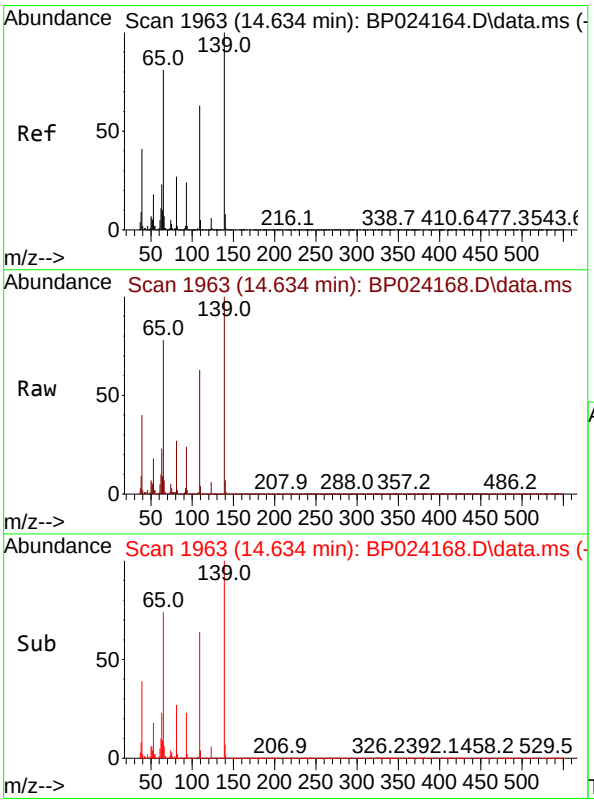

#55
Dibenzofuran
Concen: 38.264 ng
RT: 14.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

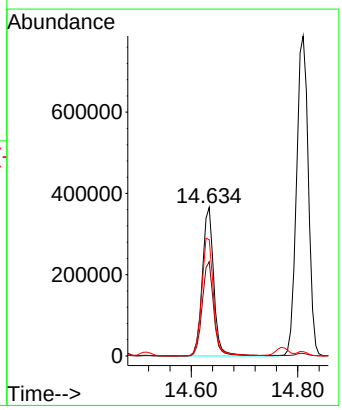


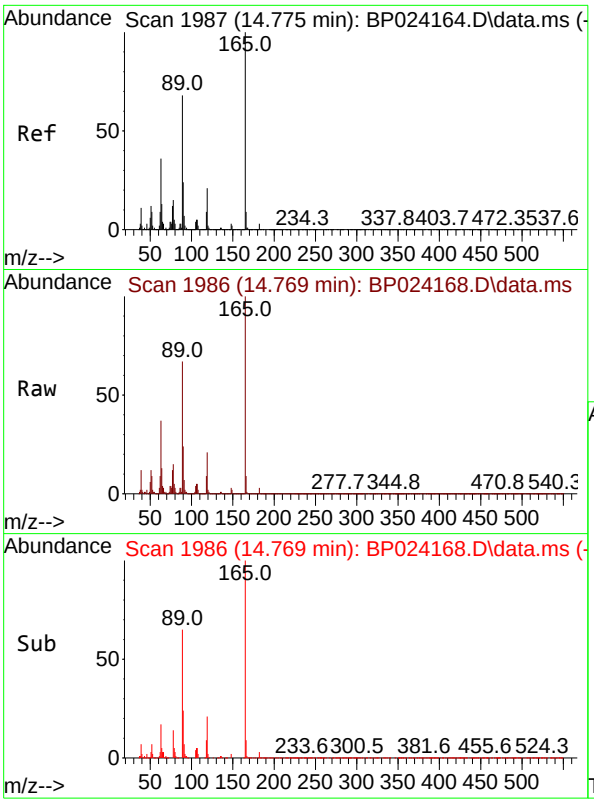




#56
4-Nitrophenol
Concen: 42.293 ng
RT: 14.634 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



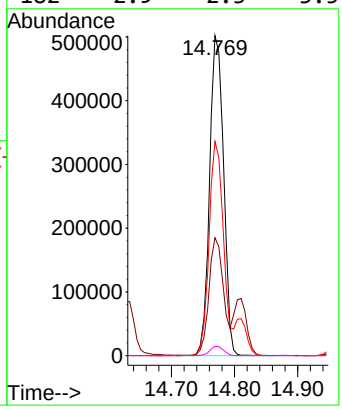


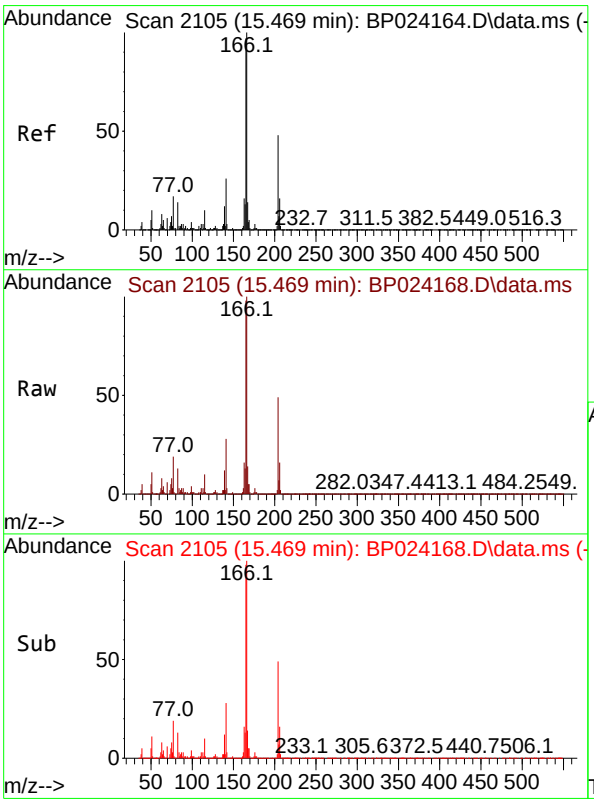

#57
2,4-Dinitrotoluene
Concen: 41.106 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

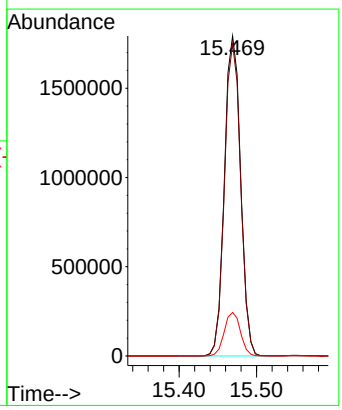


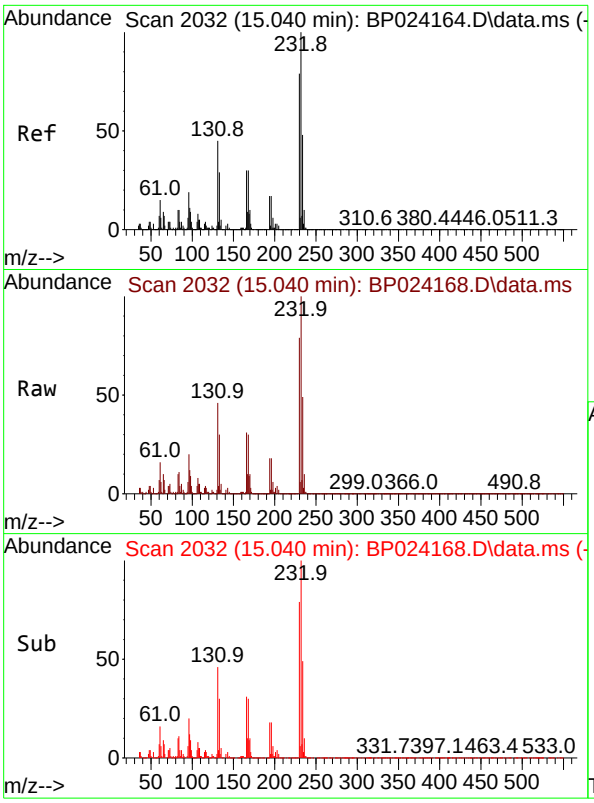




#58
Fluorene
Concen: 39.061 ng
RT: 15.469 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



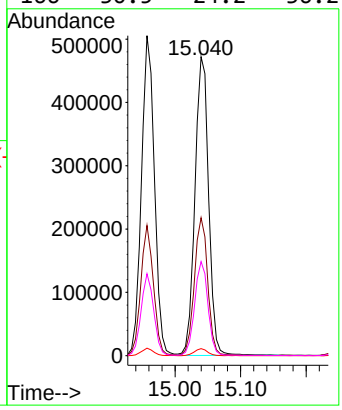


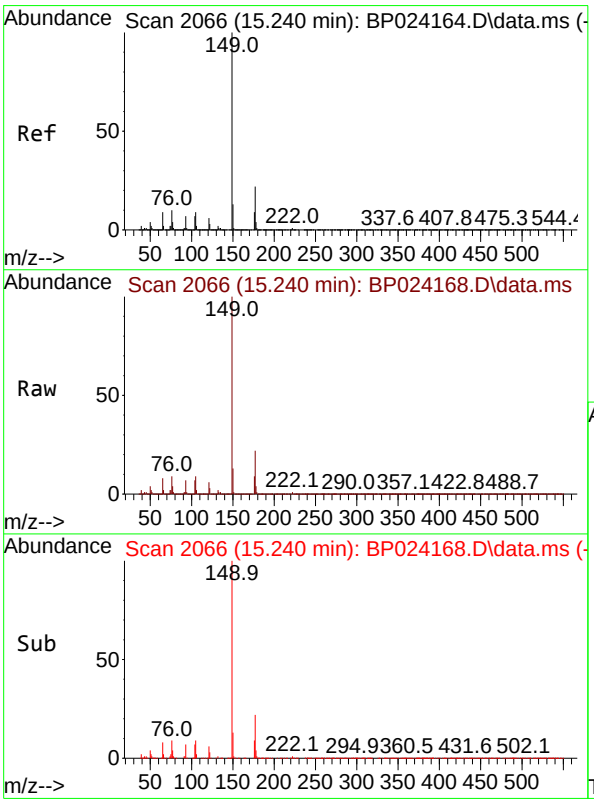

#59
2,3,4,6-Tetrachlorophenol
Concen: 39.844 ng
RT: 15.040 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

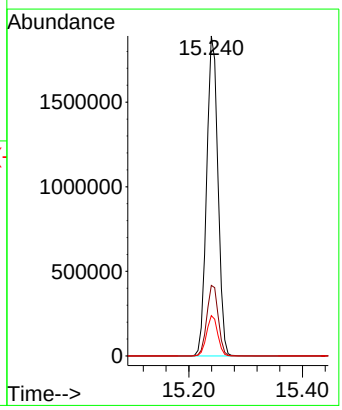


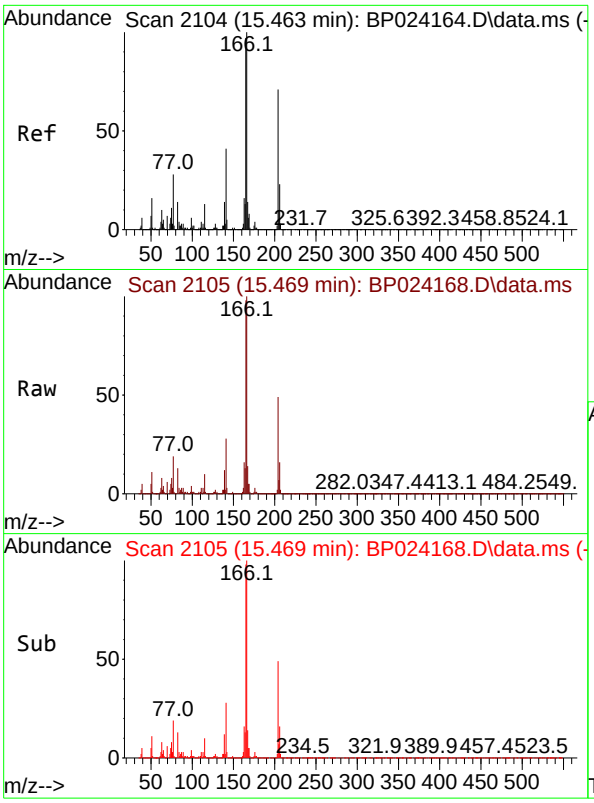




#60
Diethylphthalate
Concen: 38.539 ng
RT: 15.240 min Scan# 2066
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



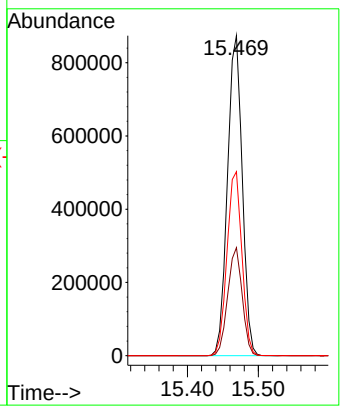


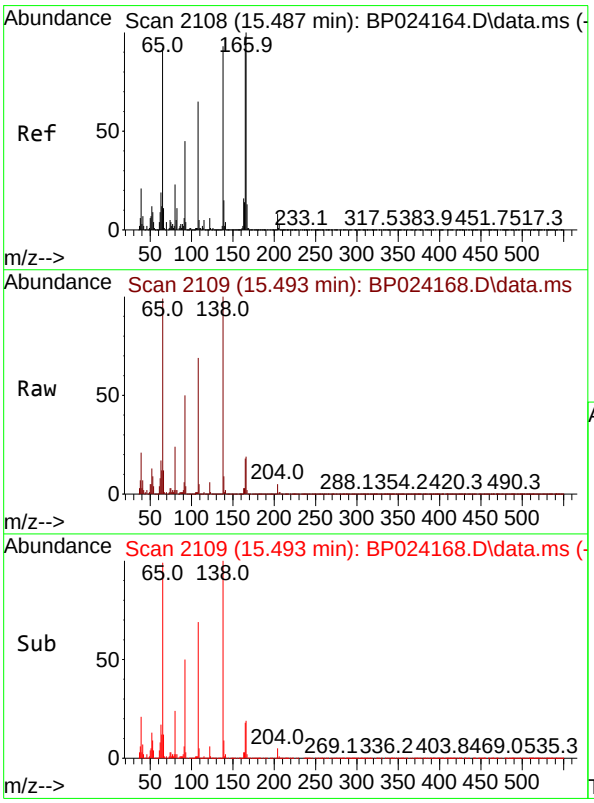

#61
4-Chlorophenyl-phenylether
Concen: 38.572 ng
RT: 15.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

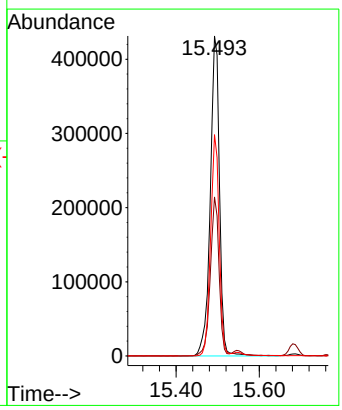


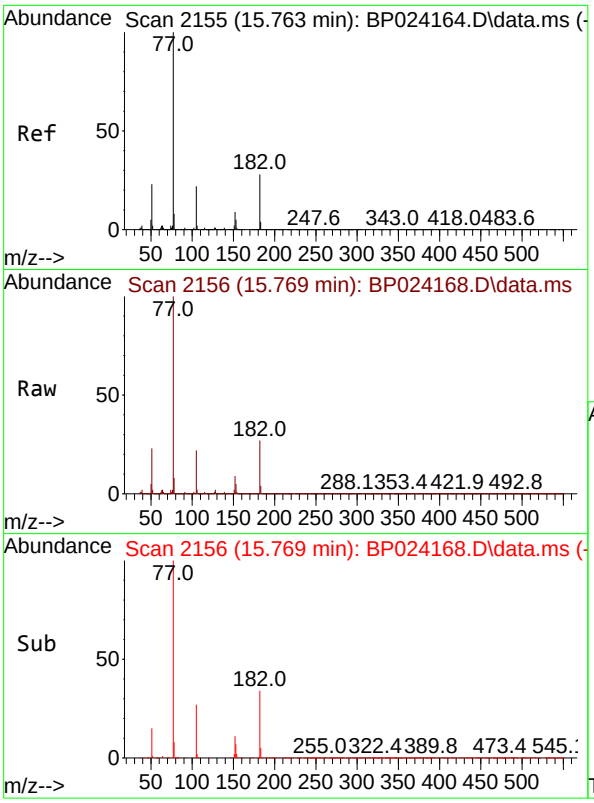




#62
4-Nitroaniline
Concen: 41.253 ng
RT: 15.493 min Scan# 2109
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



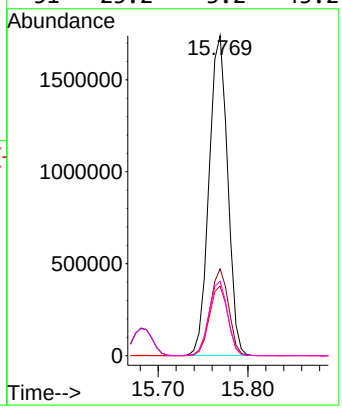


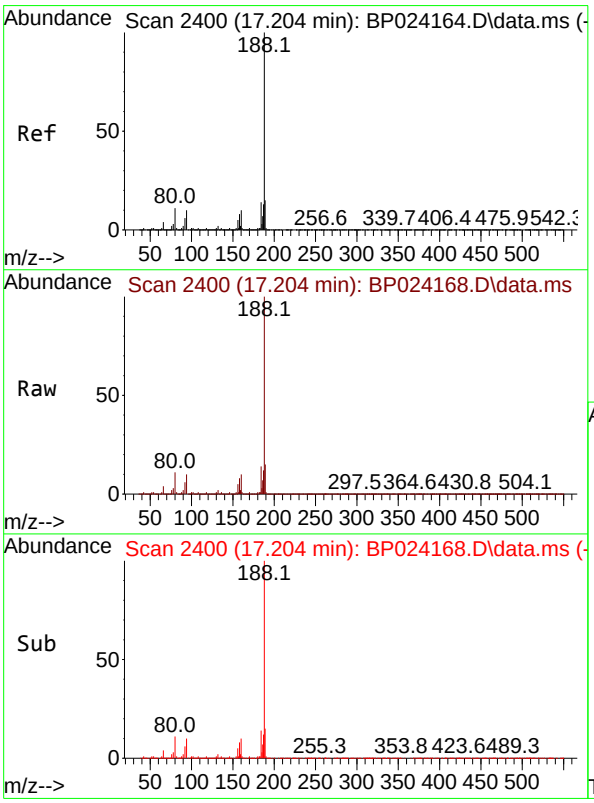

#63
Azobenzene
Concen: 39.347 ng
RT: 15.769 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

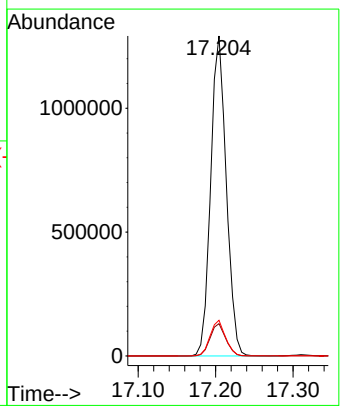


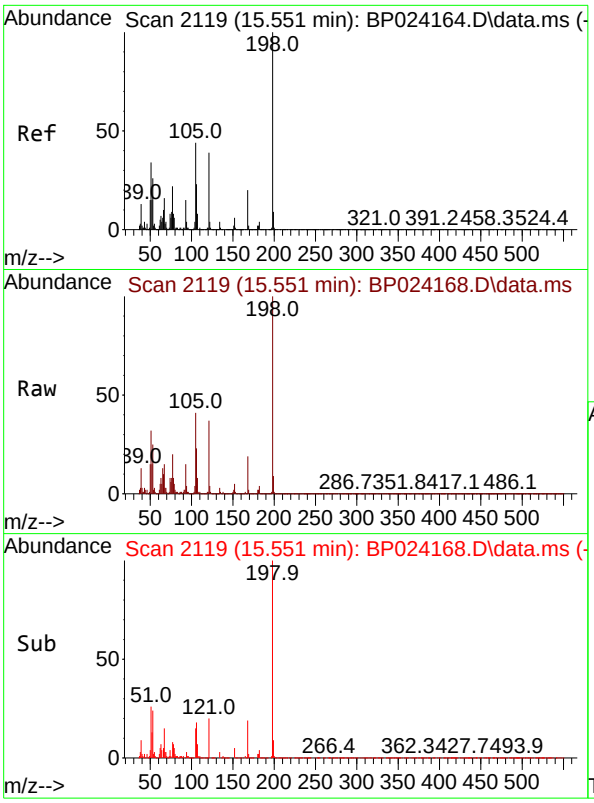




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2400
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



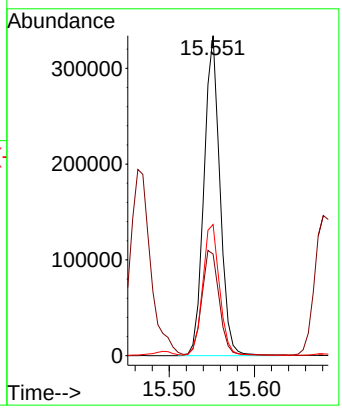


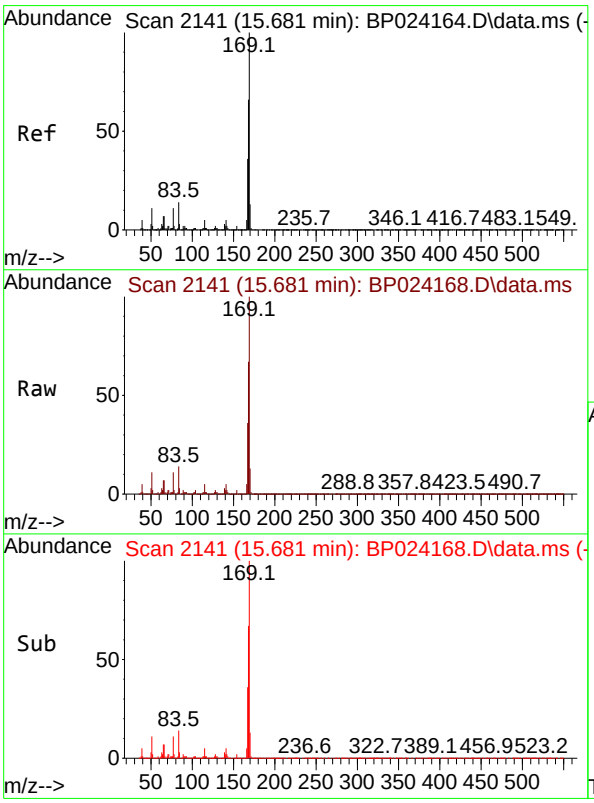

#65
4,6-Dinitro-2-methylphenol
Concen: 40.442 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

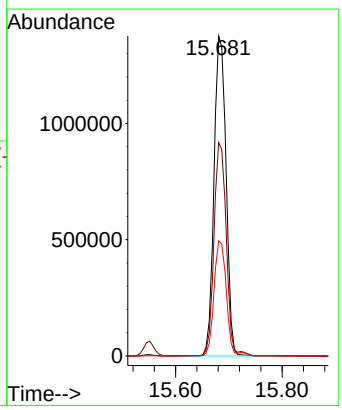


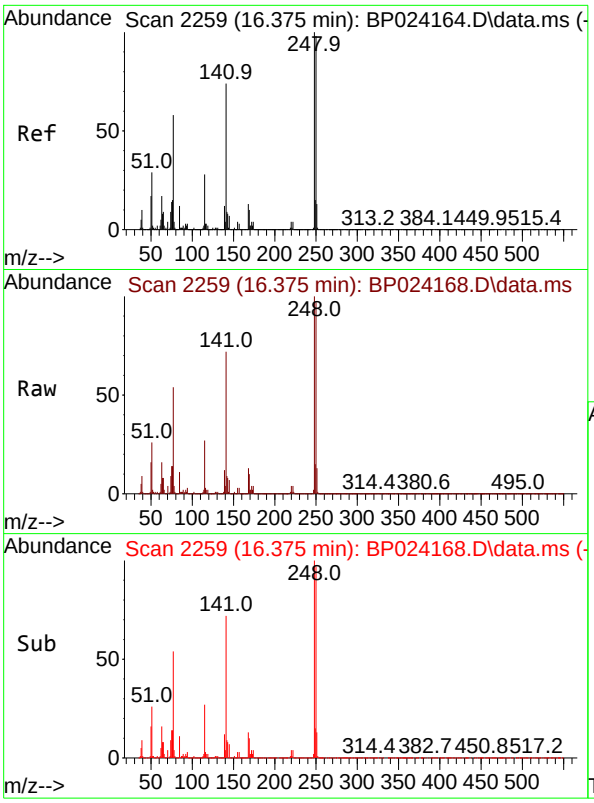




#66
n-Nitrosodiphenylamine
Concen: 39.234 ng
RT: 15.681 min Scan# 2141
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



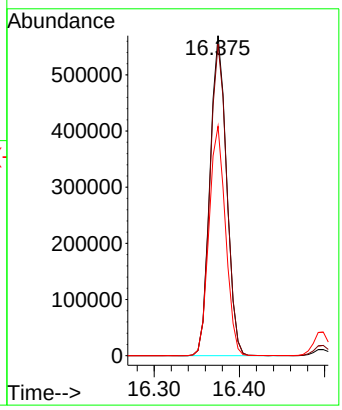


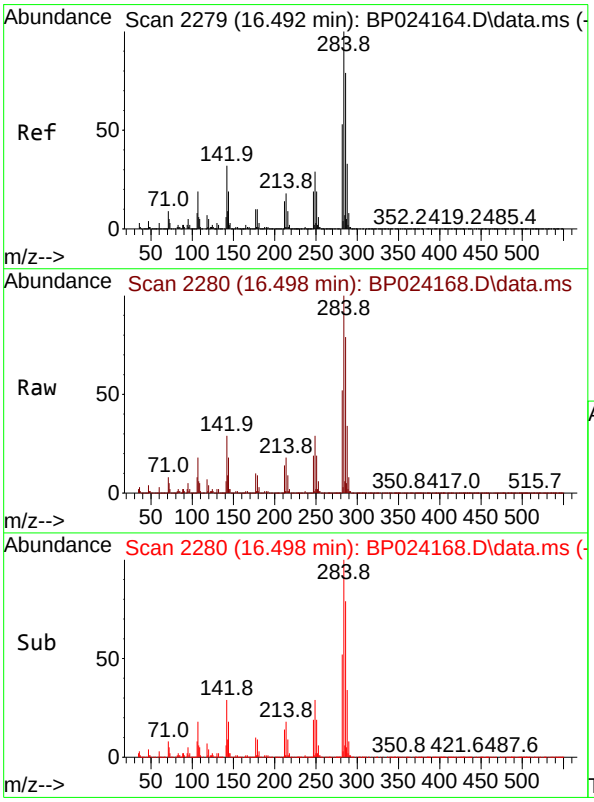

#67
4-Bromophenyl-phenylether
Concen: 38.892 ng
RT: 16.375 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

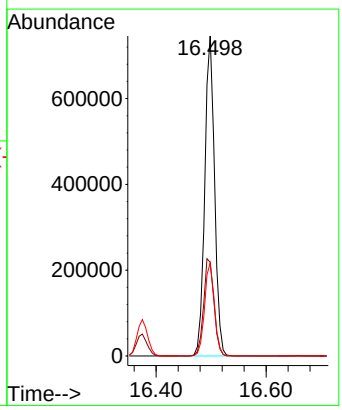


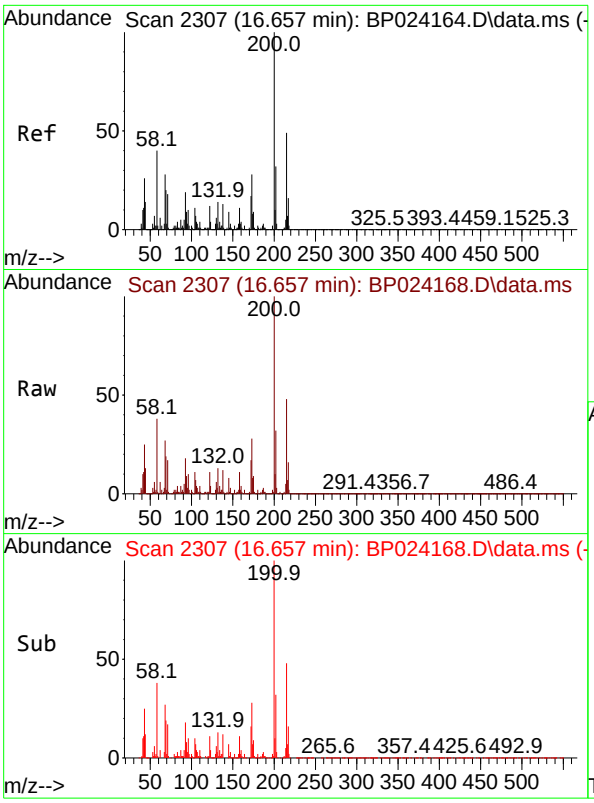




#68
Hexachlorobenzene
Concen: 39.073 ng
RT: 16.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



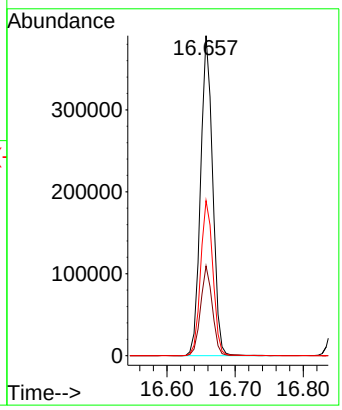


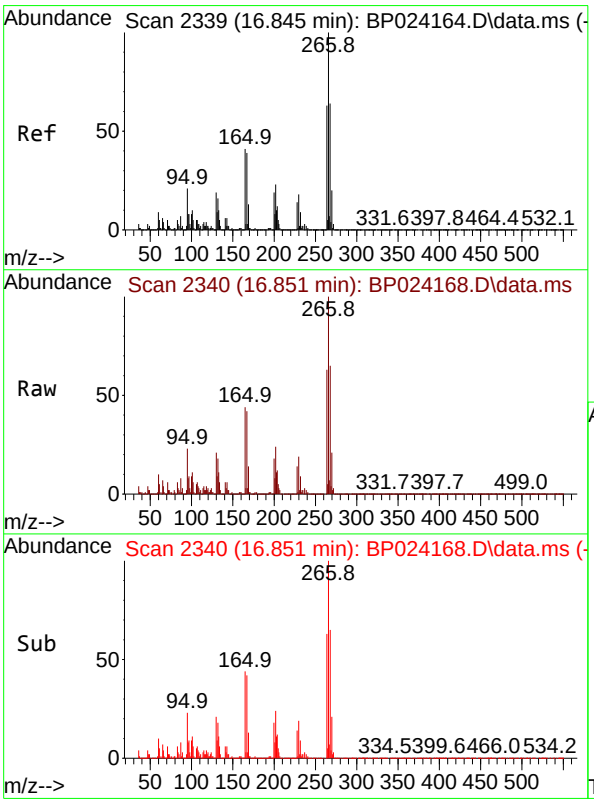

#69
Atrazine
Concen: 36.287 ng
RT: 16.657 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

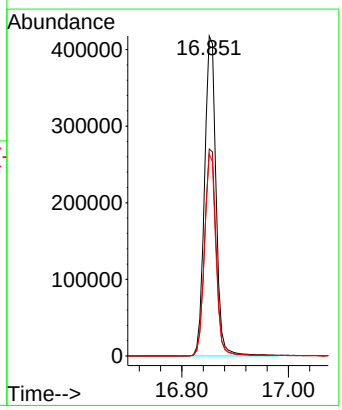


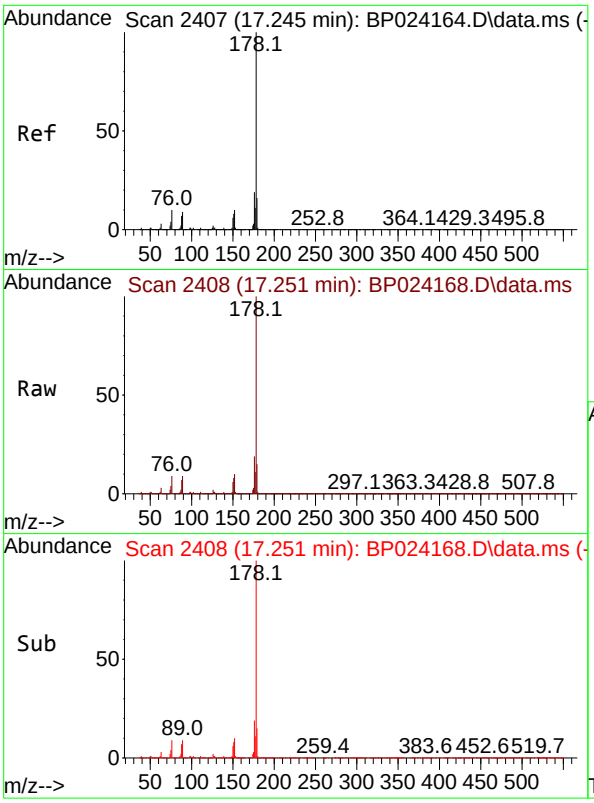




#70
Pentachlorophenol
Concen: 41.161 ng
RT: 16.851 min Scan# 2340
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



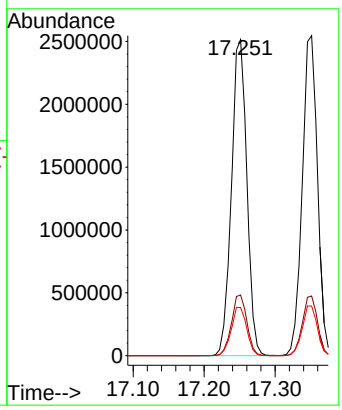


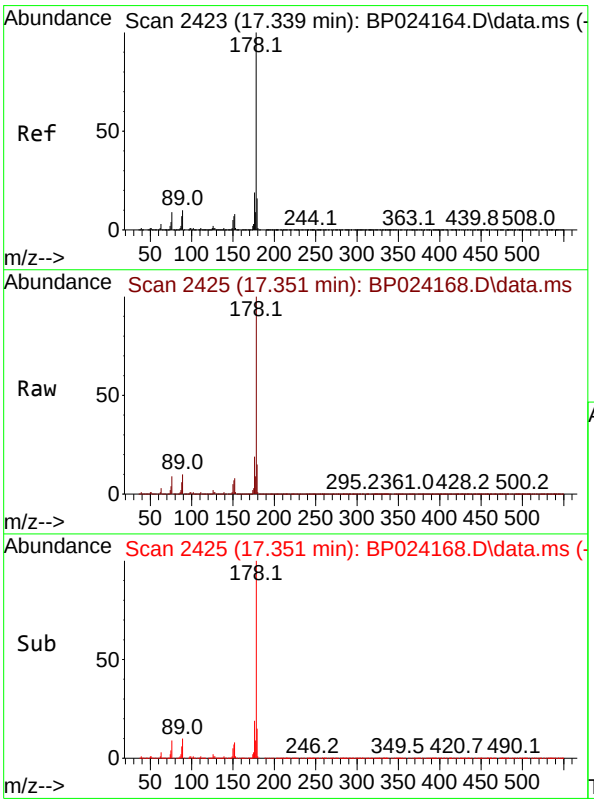

#71
Phenanthrene
Concen: 38.379 ng
RT: 17.251 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

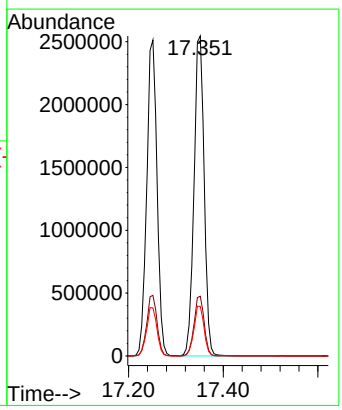


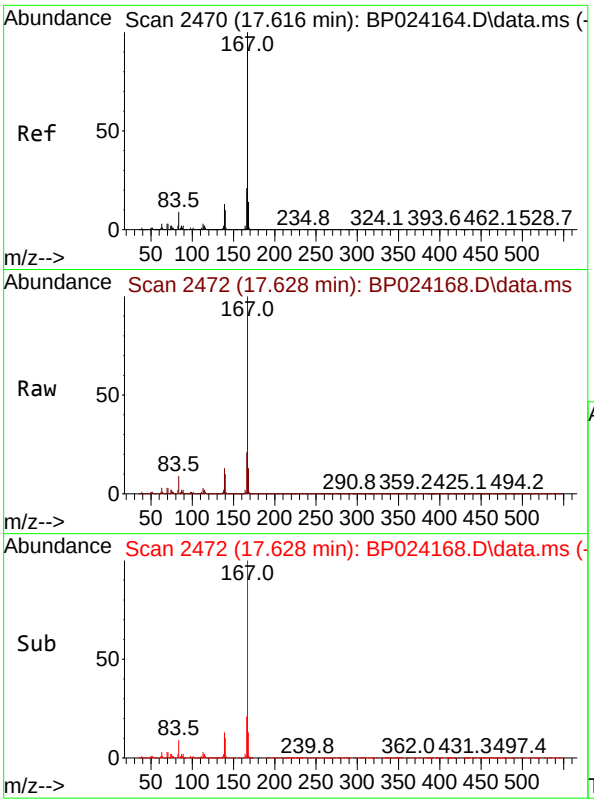




#72
Anthracene
Concen: 39.358 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



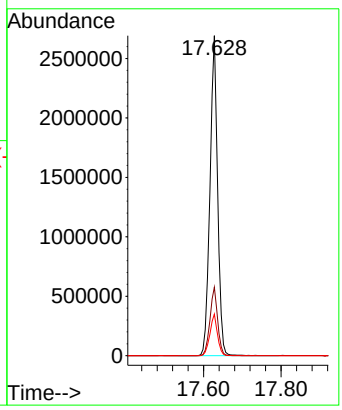


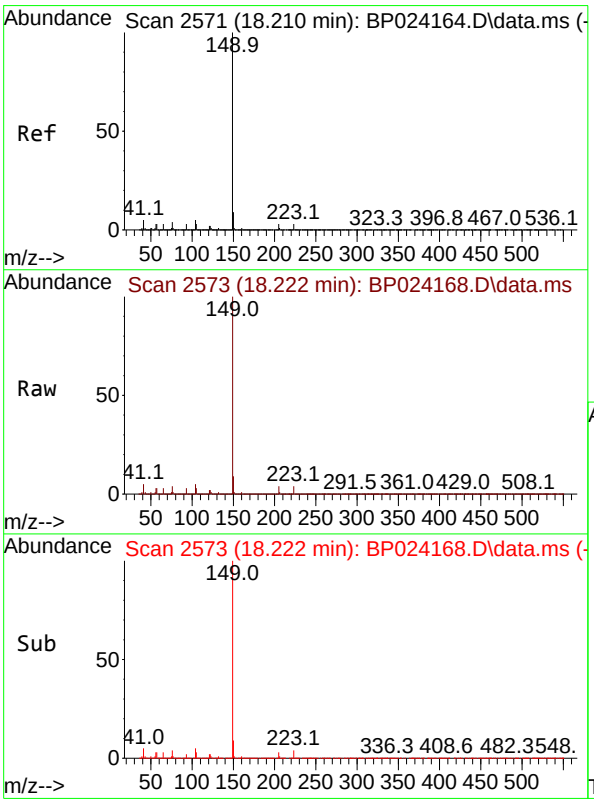

#73
Carbazole
Concen: 39.665 ng
RT: 17.628 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

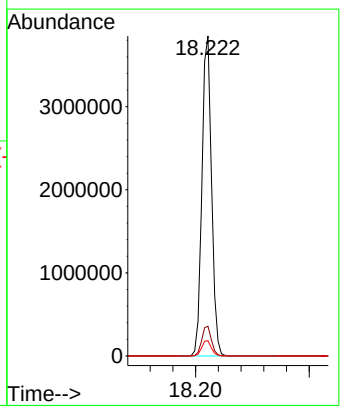


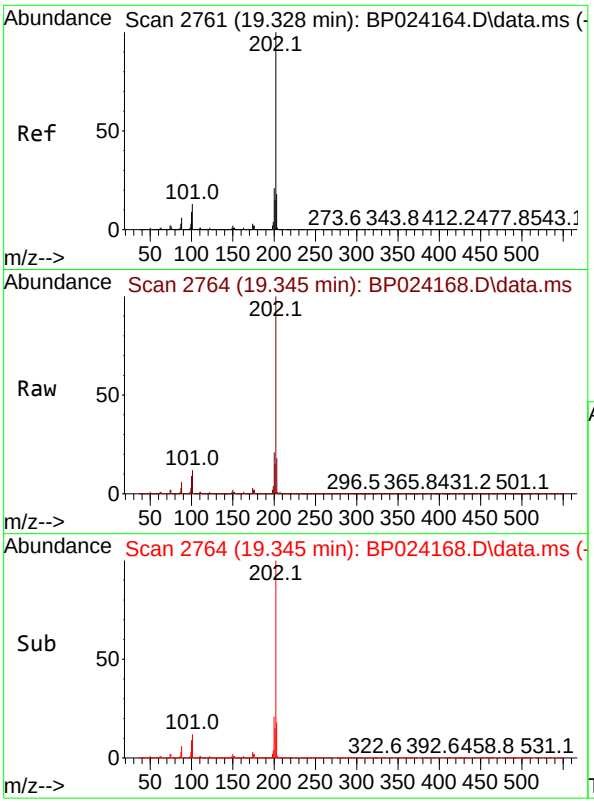




#74
Di-n-butylphthalate
Concen: 40.866 ng
RT: 18.222 min Scan# 2573
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



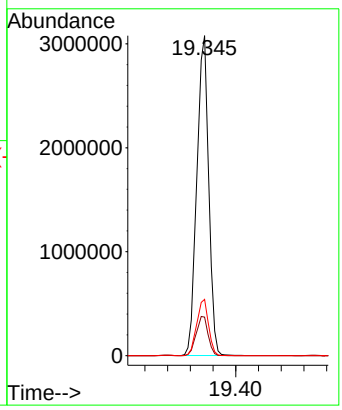


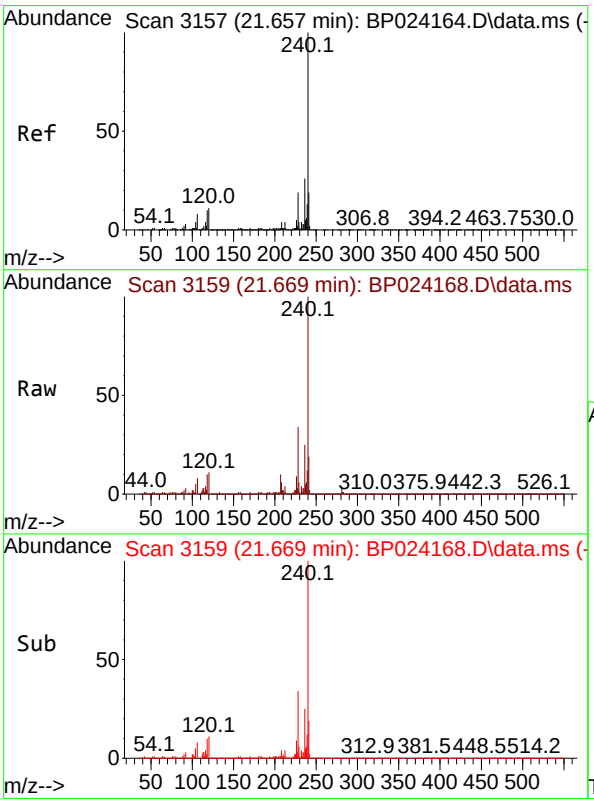

#75
Fluoranthene
Concen: 39.006 ng
RT: 19.345 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

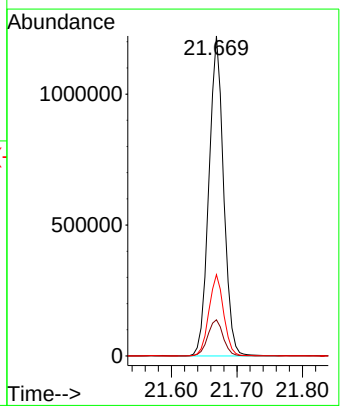


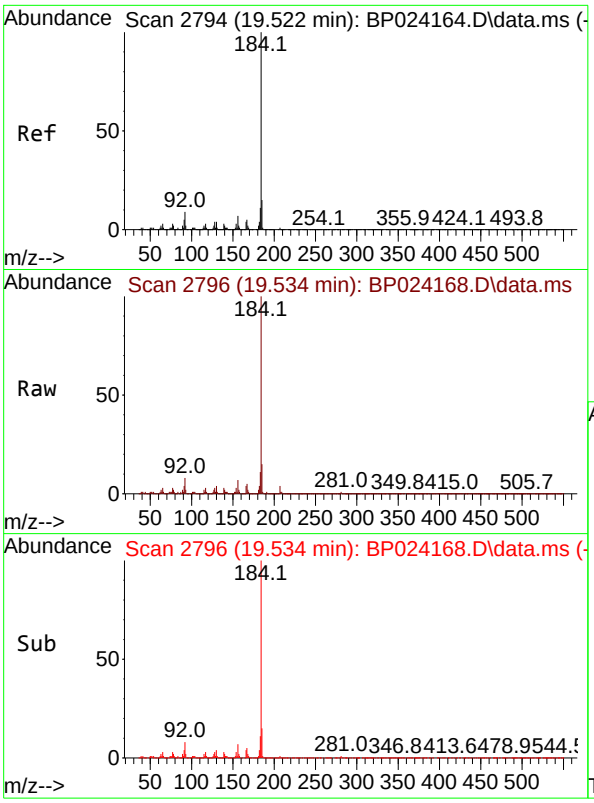




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.669 min Scan# 3159
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



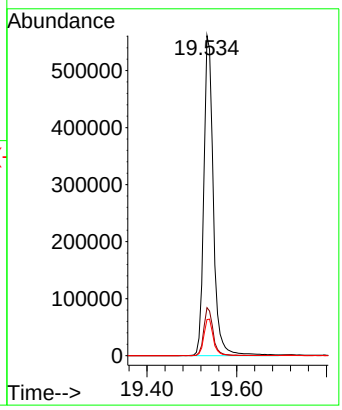


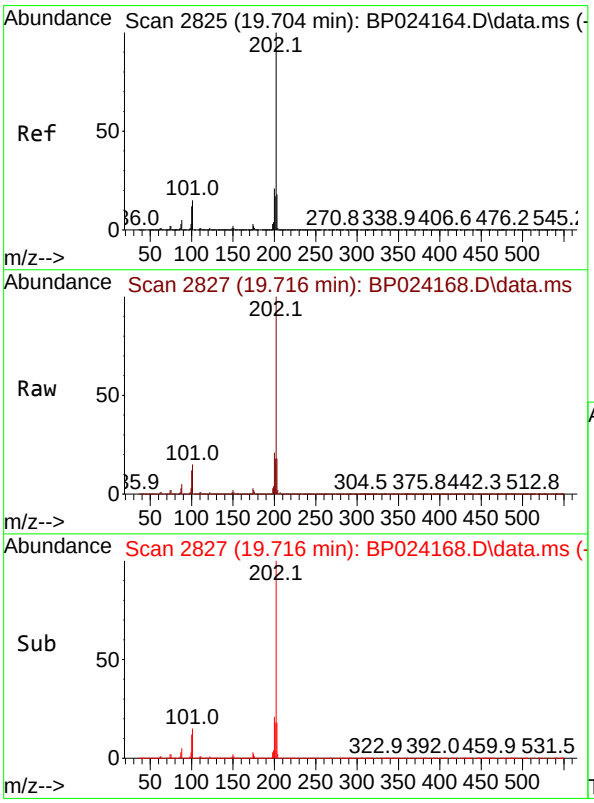

#77
Benzidine
Concen: 39.777 ng
RT: 19.534 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

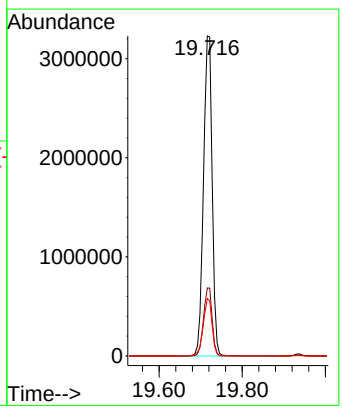


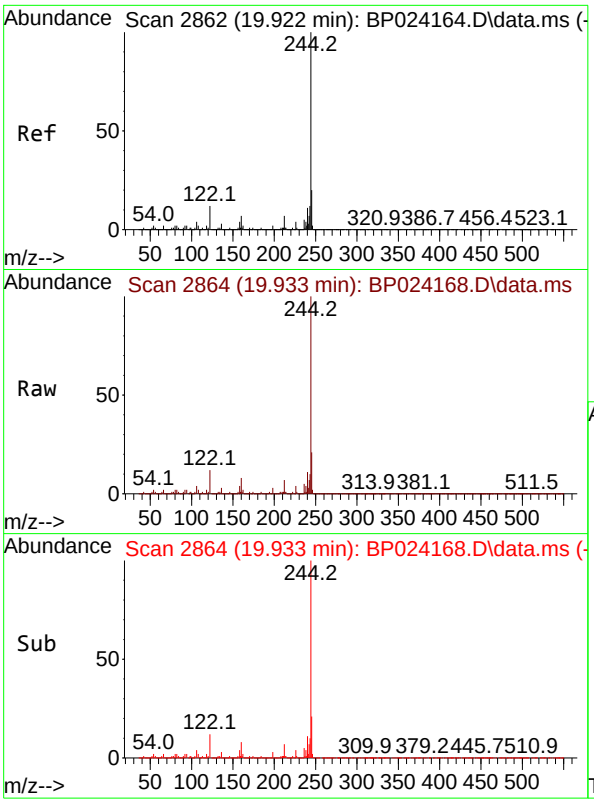




#78
Pyrene
Concen: 39.565 ng
RT: 19.716 min Scan# 2827
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



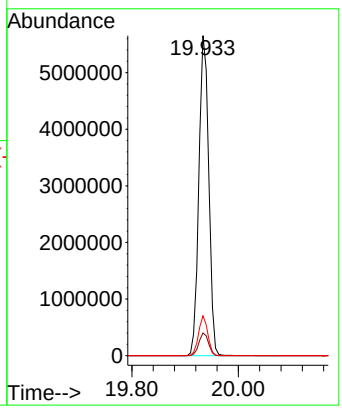


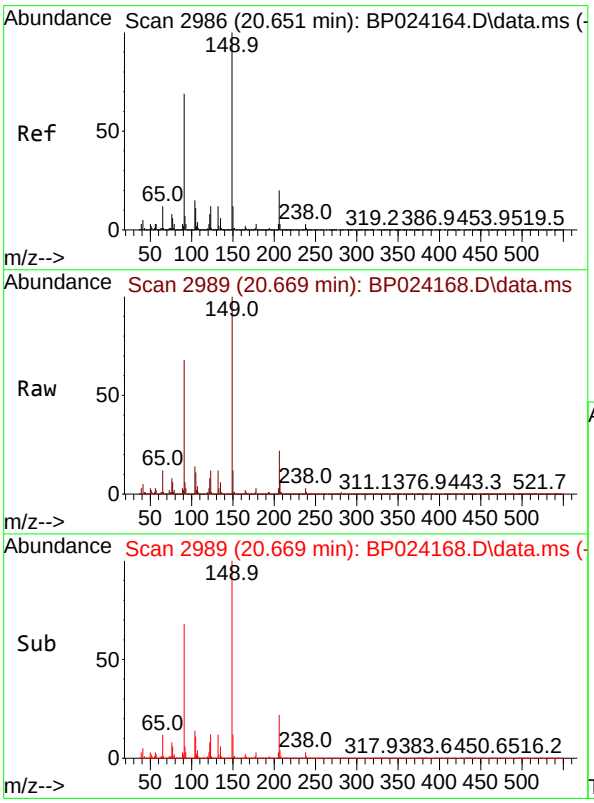

#79
Terphenyl-d14
Concen: 78.549 ng
RT: 19.933 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

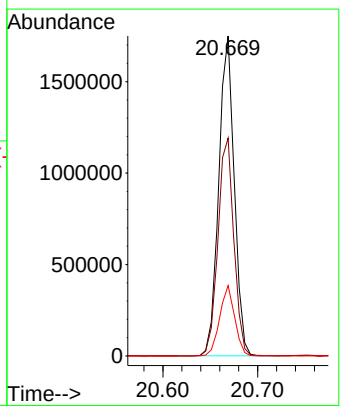


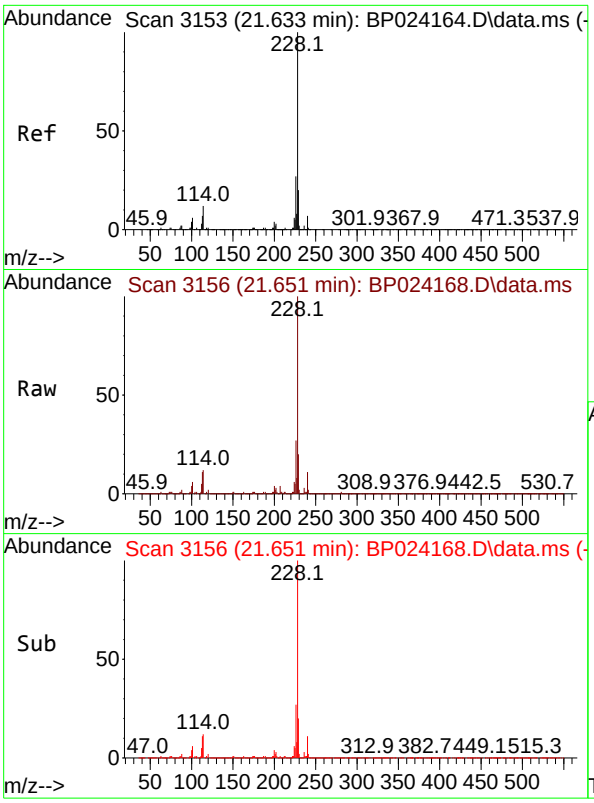




#80
Butylbenzylphthalate
Concen: 40.824 ng
RT: 20.669 min Scan# 2989
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



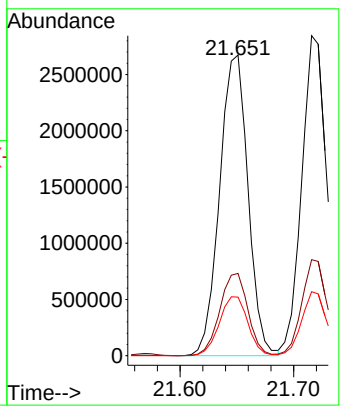


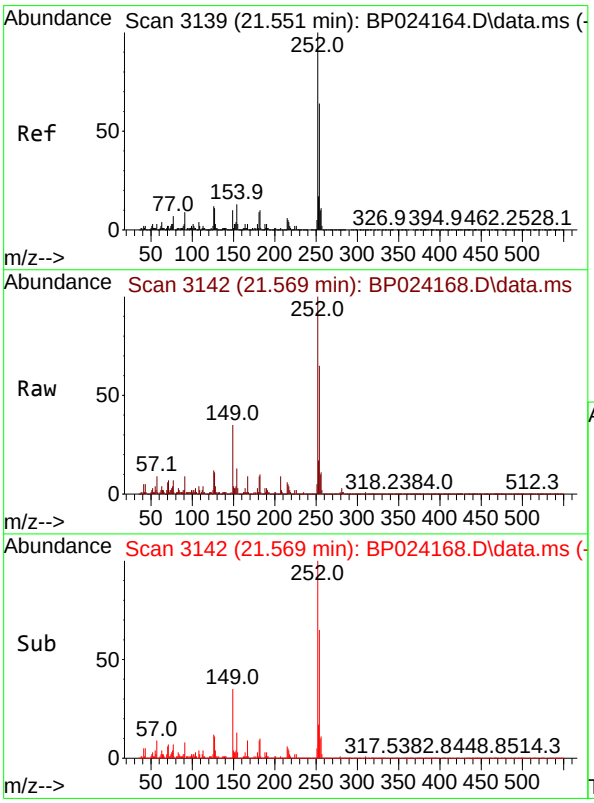

#81
Benzo(a)anthracene
Concen: 39.318 ng
RT: 21.651 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

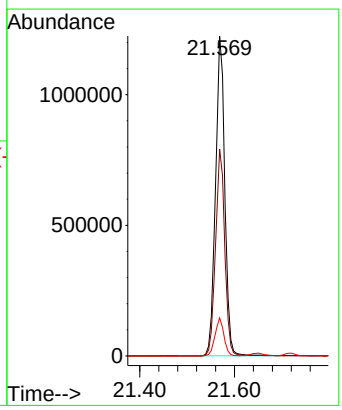


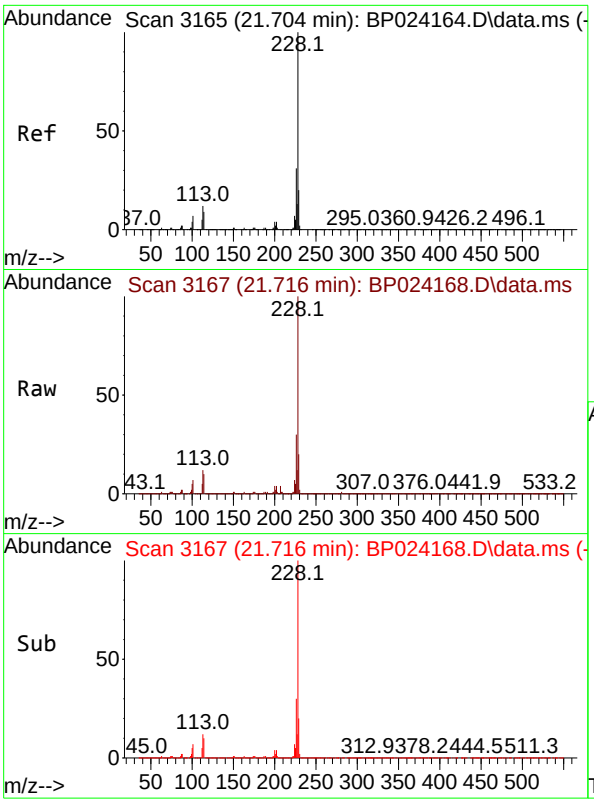




#82
3,3'-Dichlorobenzidine
Concen: 41.750 ng
RT: 21.569 min Scan# 3142
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



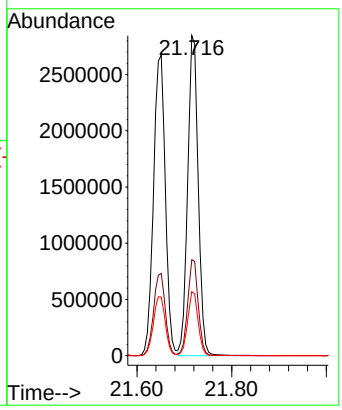


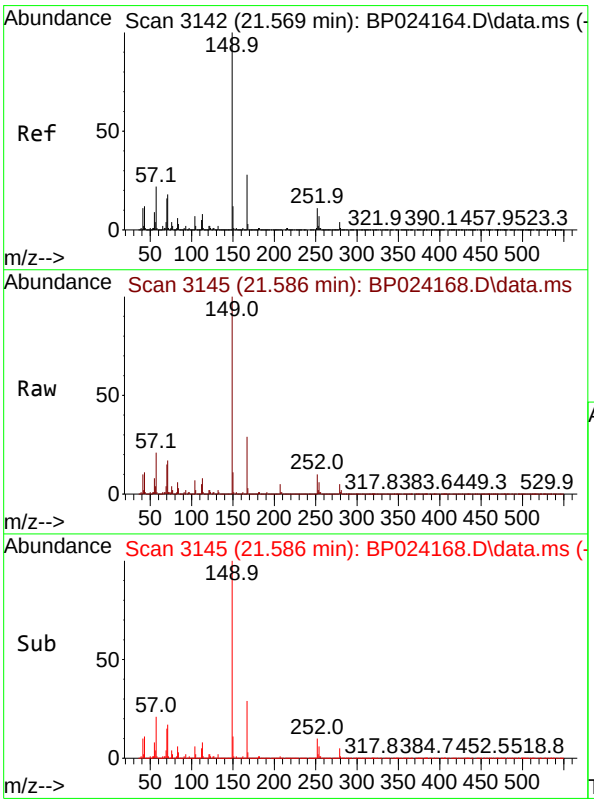

#83
Chrysene
Concen: 38.624 ng
RT: 21.716 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

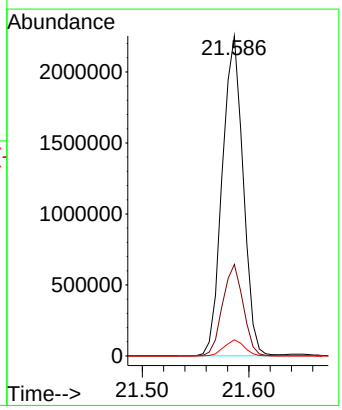


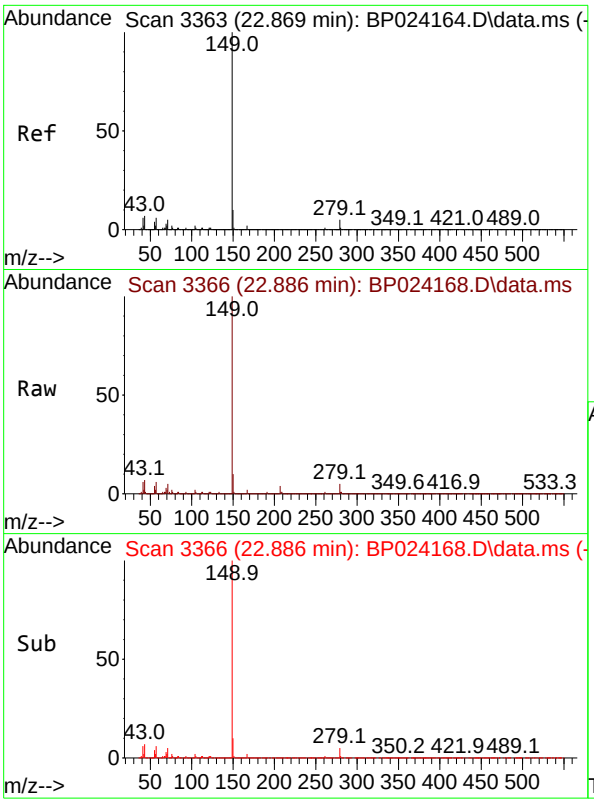




#84
Bis(2-ethylhexyl)phthalate
Concen: 41.569 ng
RT: 21.586 min Scan# 3145
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



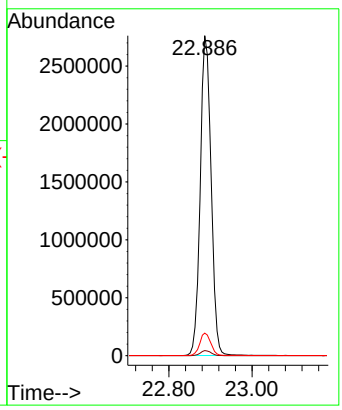


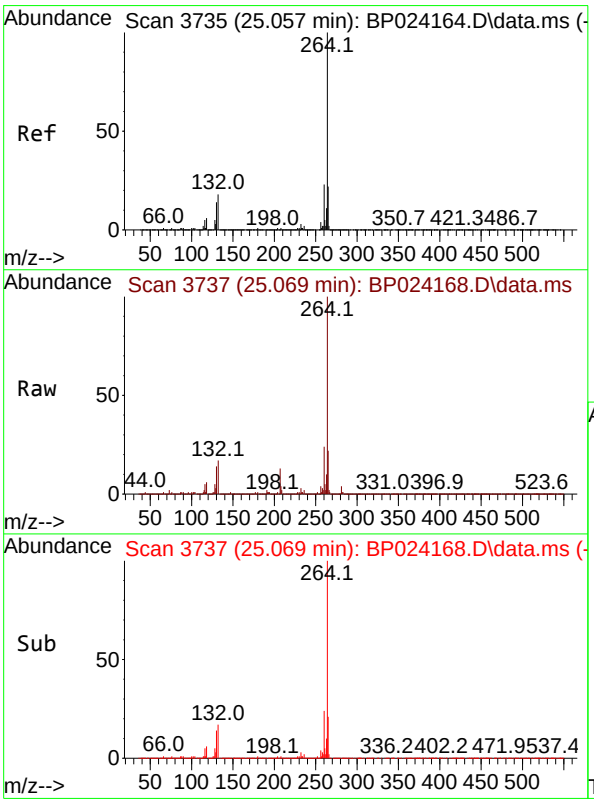

#85
Di-n-octyl phthalate
Concen: 42.452 ng
RT: 22.886 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

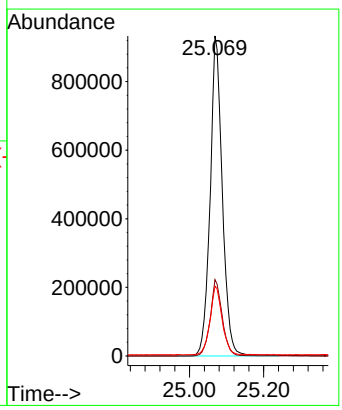


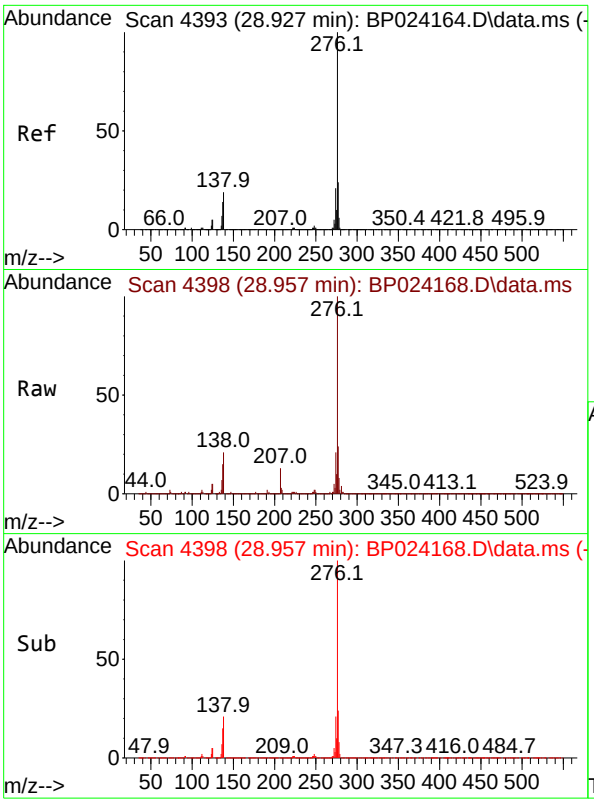




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.069 min Scan# 3737
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



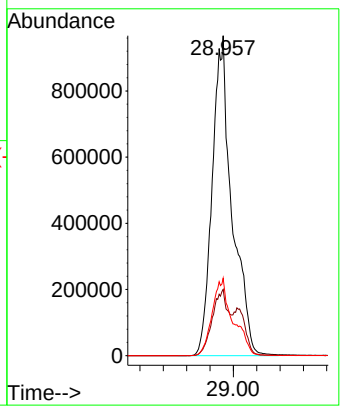


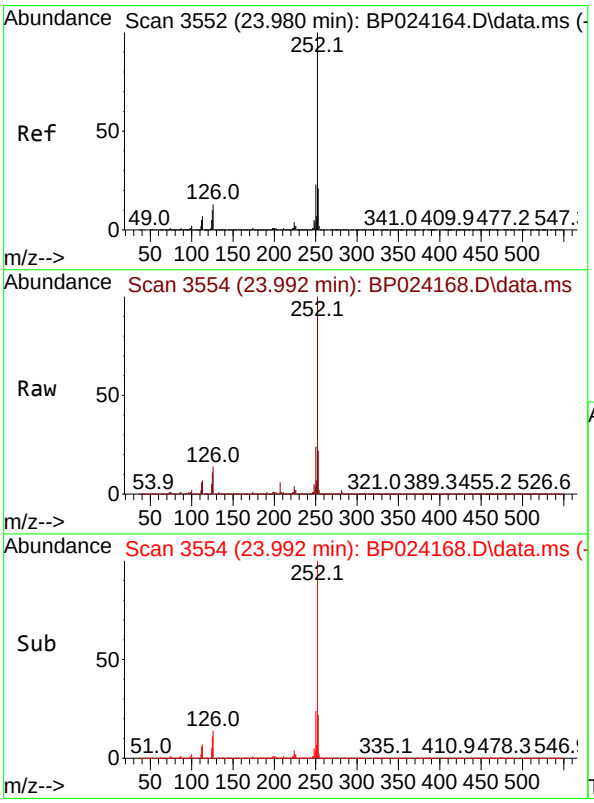

#87
Indeno(1,2,3-cd)pyrene
Concen: 38.387 ng
RT: 28.957 min Scan# 4
Delta R.T. 0.029 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

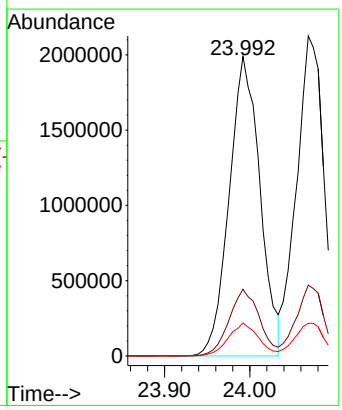


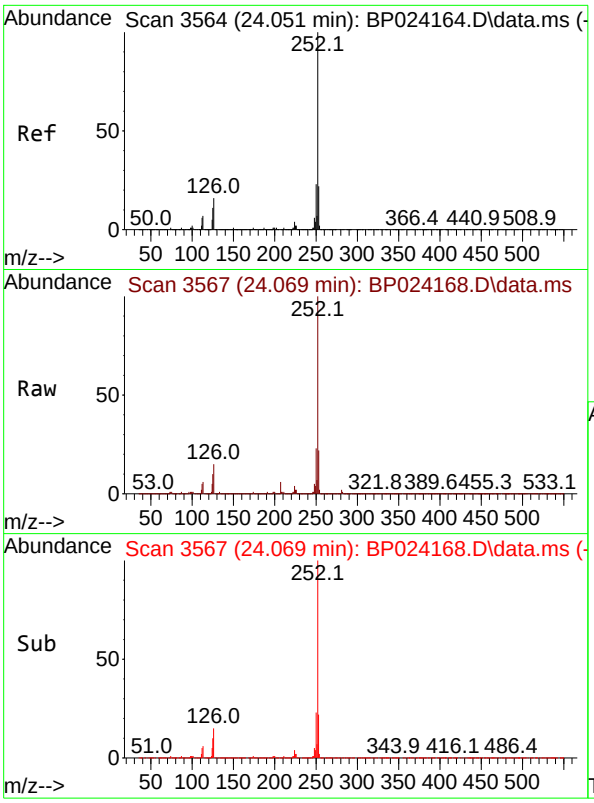




#88
Benzo(b)fluoranthene
Concen: 38.891 ng
RT: 23.992 min Scan# 3554
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



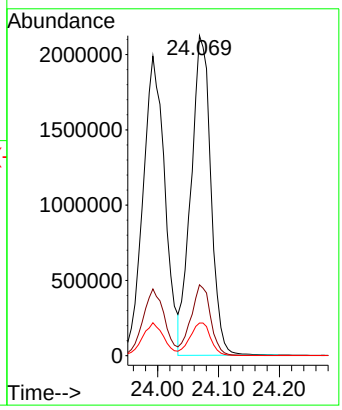


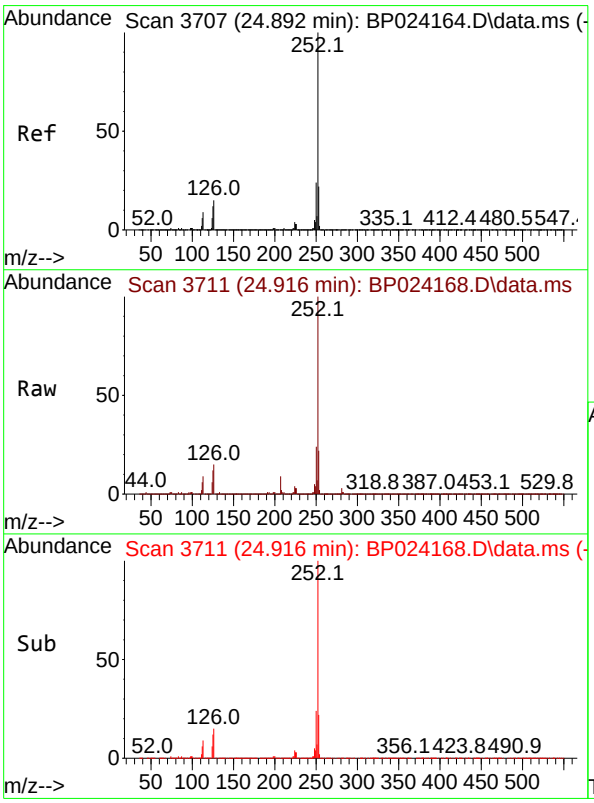

#89
Benzo(k)fluoranthene
Concen: 38.280 ng
RT: 24.069 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

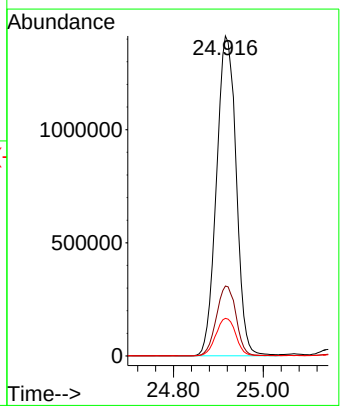


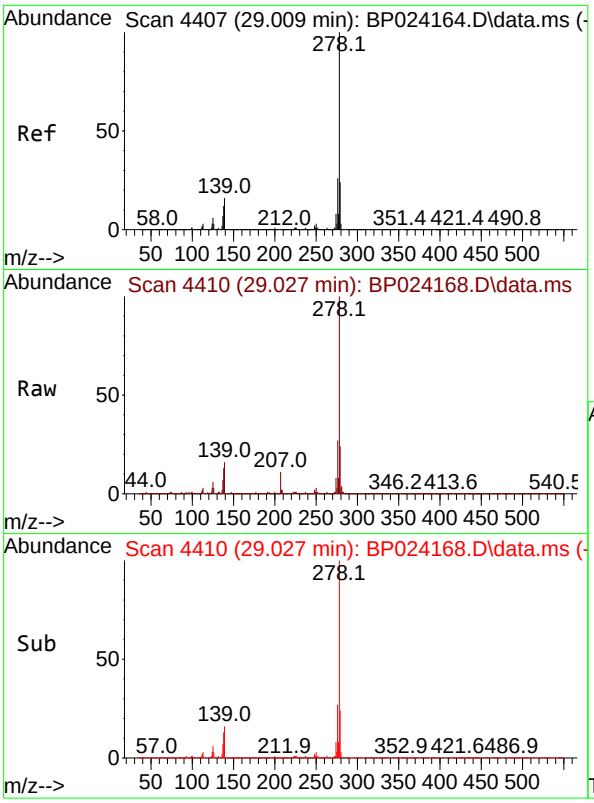




#90
Benzo(a)pyrene
Concen: 38.607 ng
RT: 24.916 min Scan# 3711
Delta R.T. 0.024 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



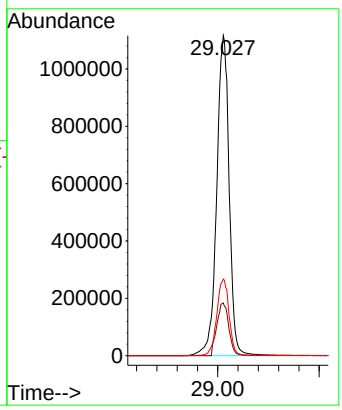


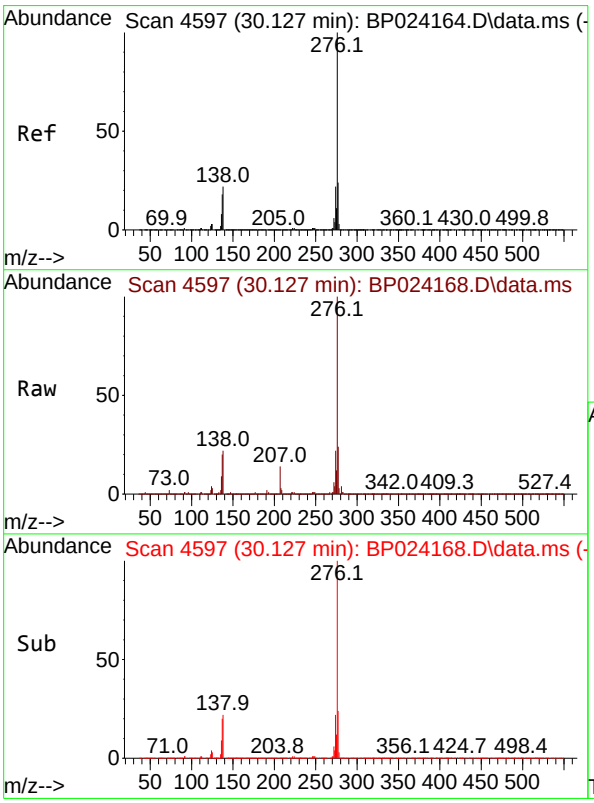

#91
Dibenzo(a,h)anthracene
Concen: 38.474 ng
RT: 29.027 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

**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 |

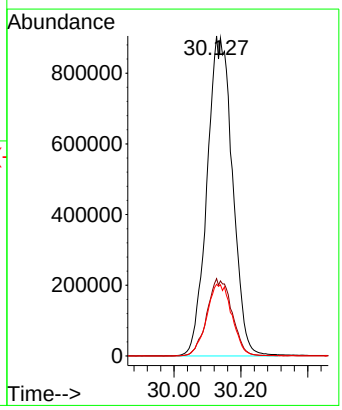



#92
Benzo(g,h,i)perylene
Concen: 38.087 ng m
RT: 30.127 min Scan# 4597
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

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 |



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) |
|---|---|---|---|---|---|---|---|
| 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 |

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) |
|---|---|---|---|---|---|---|---|
| 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

# Evaluate Continuing Calibration Report

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) |
|---|---|---|---|---|---|---|---|
| 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 |

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) |
|---|---|---|---|---|---|---|---|
| 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: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG No.: Q1502

Instrument ID: BNA_F Calibration Date/Time: 03/13/2025 12:17

Lab File ID: BF141939.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:01 15:20

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Fluorophenol | 1.198 | 1.154 | | -3.7 | |
| Phenol-d6 | 1.526 | 1.446 | | -5.2 | |
| Nitrobenzene-d5 | 0.355 | 0.344 | | -3.1 | |
| 2-Fluorobiphenyl | 1.315 | 1.265 | | -3.8 | |
| 2,4,6-Tribromophenol | 0.254 | 0.253 | | -0.4 | |
| Atrazine | 0.198 | 0.165 | | -16.7 | |
| Terphenyl-d14 | 1.353 | 1.361 | | 0.6 | |

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141939.D
Acq On : 13 Mar 2025 12:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Mar 13 13:05:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 198004 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 767232 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.910 | 164 | 426931 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.398 | 188 | 726402 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 451214 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.504 | 264 | 394917 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 914193 | 77.057 | ng | 0.00 |
| 7) Phenol-d6 | 6.504 | 99 | 1145375 | 75.826 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.439 | 82 | 1055101 | 77.391 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.698 | 330 | 432513 | 79.856 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.233 | 172 | 2159613 | 76.930 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.980 | 244 | 2456339 | 80.485 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.681 | 88 | 195530 | 39.334 | ng | 99 |
| 3) Pyridine | 3.446 | 79 | 472100 | 38.717 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.399 | 42 | 226886 | 39.034 | ng | 98 |
| 6) Aniline | 6.540 | 93 | 558500 | 37.480 | ng | 100 |
| 8) 2-Chlorophenol | 6.663 | 128 | 505200 | 38.395 | ng | 100 |
| 9) Benzaldehyde | 6.428 | 77 | 297311 | 35.193 | ng | 99 |
| 10) Phenol | 6.516 | 94 | 605095 | 38.077 | ng | 100 |
| 11) bis(2-Chloroethyl)ether | 6.616 | 93 | 446408 | 37.411 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.816 | 146 | 542765 | 38.208 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.892 | 146 | 551564 | 38.375 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.051 | 146 | 522830 | 38.620 | ng | 99 |
| 15) Benzyl Alcohol | 7.016 | 79 | 463386 | 37.946 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151 | 45 | 508939 | 35.329 | ng | 99 |
| 17) 2-Methylphenol | 7.122 | 107 | 393438 | 37.607 | ng | 99 |
| 18) Hexachloroethane | 7.392 | 117 | 205179 | 38.069 | ng | 95 |
| 19) n-Nitroso-di-n-propyla... | 7.292 | 70 | 347590 | 35.812 | ng | 100 |
| 20) 3+4-Methylphenols | 7.275 | 107 | 502037 | 37.464 | ng | 98 |
| 22) Acetophenone | 7.287 | 105 | 704297 | 38.332 | ng | 99 |
| 24) Nitrobenzene | 7.457 | 77 | 523612 | 38.634 | ng | 100 |
| 25) Isophorone | 7.698 | 82 | 889235 | 36.899 | ng | 100 |
| 26) 2-Nitrophenol | 7.775 | 139 | 263074 | 39.549 | ng | 100 |
| 27) 2,4-Dimethylphenol | 7.804 | 122 | 352630 | 38.499 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 7.904 | 93 | 559932 | 37.044 | ng | 99 |
| 29) 2,4-Dichlorophenol | 8.010 | 162 | 435680 | 38.322 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.098 | 180 | 482699 | 38.527 | ng | 99 |
| 31) Naphthalene | 8.181 | 128 | 1512818 | 38.385 | ng | 100 |
| 32) Benzoic acid | 7.922 | 122 | 338815 | 42.081 | ng | 99 |
| 33) 4-Chloroaniline | 8.228 | 127 | 523526 | 37.629 | ng | 99 |
| 34) Hexachlorobutadiene | 8.298 | 225 | 319154 | 39.060 | ng | 99 |
| 35) Caprolactam | 8.598 | 113 | 131311 | 37.884 | ng | 94 |
| 36) 4-Chloro-3-methylphenol | 8.698 | 107 | 479000 | 37.769 | ng | 100 |
| 37) 2-Methylnaphthalene | 8.869 | 142 | 1002209 | 38.045 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.969 | 142 | 966389 | 38.016 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.034 | 216 | 506575 | 38.972 | ng | 98 |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 213556 | 41.981 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.145 | 196 | 335717 | 39.520 | ng | 100 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141939.D
Acq On : 13 Mar 2025 12:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Mar 13 13:05:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

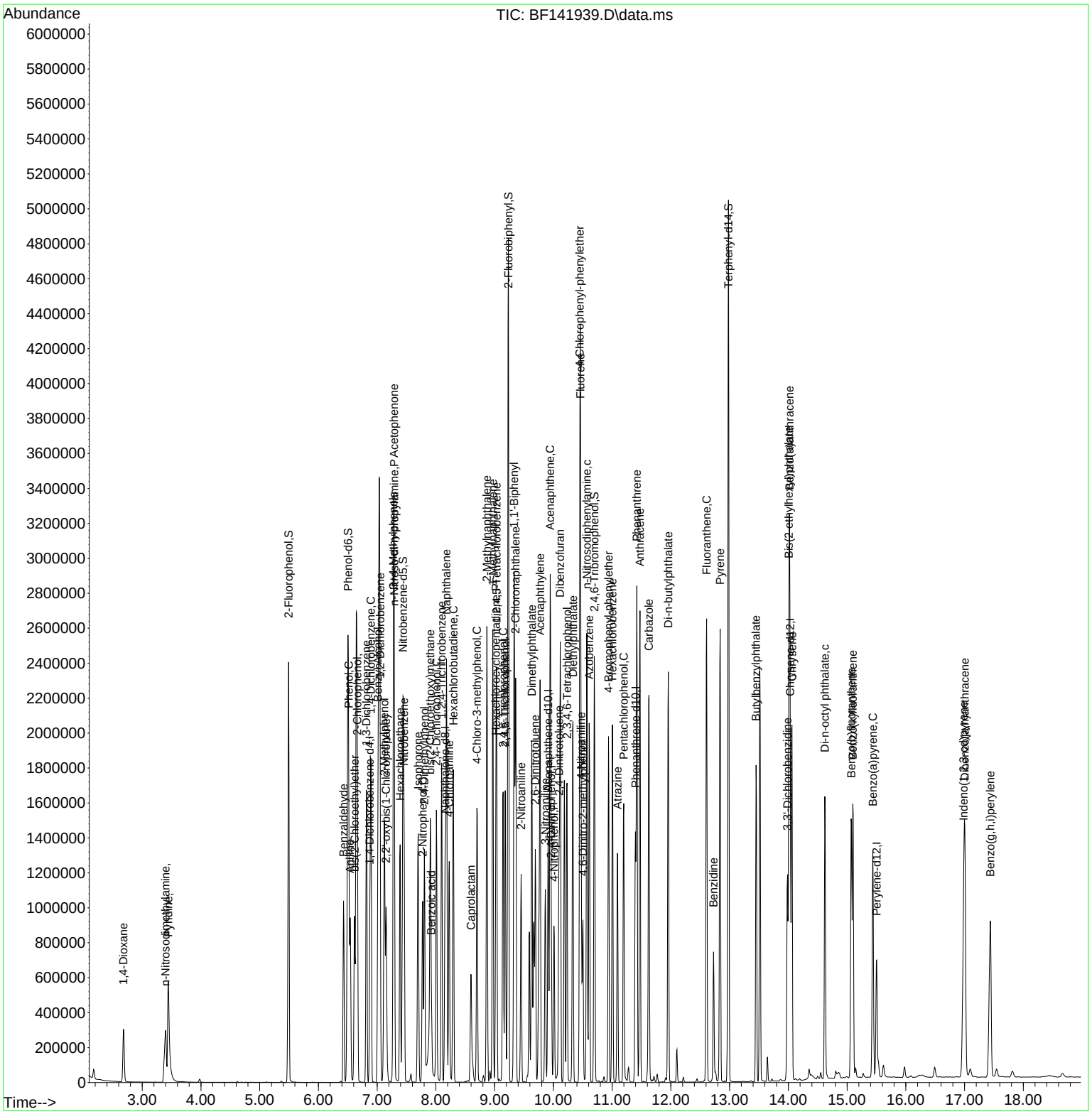
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.181 | 196 | 335620 | 39.009 | ng | 100 |
| 46) 1,1'-Biphenyl | 9.333 | 154 | 1256074 | 38.721 | ng | 100 |
| 47) 2-Chloronaphthalene | 9.357 | 162 | 946087 | 39.130 | ng | 99 |
| 48) 2-Nitroaniline | 9.451 | 65 | 273545 | 39.074 | ng | 100 |
| 49) Acenaphthylene | 9.775 | 152 | 1399495 | 39.005 | ng | 100 |
| 50) Dimethylphthalate | 9.633 | 163 | 1139250 | 38.106 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.692 | 165 | 243366 | 39.096 | ng | 97 |
| 52) Acenaphthene | 9.945 | 154 | 991587 | 39.326 | ng | 99 |
| 53) 3-Nitroaniline | 9.863 | 138 | 243288 | 38.530 | ng | 99 |
| 54) 2,4-Dinitrophenol | 9.963 | 184 | 132695 | 41.009 | ng | 88 |
| 55) Dibenzofuran | 10.116 | 168 | 1389049 | 38.554 | ng | 99 |
| 56) 4-Nitrophenol | 10.010 | 139 | 196664 | 41.301 | ng | 100 |
| 57) 2,4-Dinitrotoluene | 10.098 | 165 | 318648 | 39.193 | ng | 98 |
| 58) Fluorene | 10.463 | 166 | 1061221 | 38.195 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.233 | 232 | 310873 | 39.708 | ng | 98 |
| 60) Diethylphthalate | 10.333 | 149 | 1134119 | 38.044 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204 | 559798 | 38.646 | ng | 98 |
| 62) 4-Nitroaniline | 10.475 | 138 | 242993 | 39.528 | ng | 99 |
| 63) Azobenzene | 10.610 | 77 | 1050098 | 37.888 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198 | 181277 | 41.862 | ng | 99 |
| 66) n-Nitrosodiphenylamine | 10.569 | 169 | 906795 | 38.576 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248 | 355291 | 38.946 | ng | 100 |
| 68) Hexachlorobenzene | 11.004 | 284 | 395519 | 39.530 | ng | 99 |
| 69) Atrazine | 11.092 | 200 | 238990 | 33.164 | ng | 99 |
| 70) Pentachlorophenol | 11.198 | 266 | 261878 | 42.480 | ng | 100 |
| 71) Phenanthrene | 11.422 | 178 | 1501673 | 38.274 | ng | 99 |
| 72) Anthracene | 11.475 | 178 | 1507154 | 38.288 | ng | 100 |
| 73) Carbazole | 11.627 | 167 | 1302310 | 38.363 | ng | 100 |
| 74) Di-n-butylphthalate | 11.957 | 149 | 1710894 | 37.983 | ng | 99 |
| 75) Fluoranthene | 12.610 | 202 | 1559838 | 37.478 | ng | 99 |
| 77) Benzidine | 12.727 | 184 | 397420 | 63.130 | ng | 99 |
| 78) Pyrene | 12.839 | 202 | 1536542 | 39.368 | ng | 99 |
| 80) Butylbenzylphthalate | 13.451 | 149 | 585688 | 38.339 | ng | 99 |
| 81) Benzo(a)anthracene | 14.021 | 228 | 1129185 | 38.137 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.986 | 252 | 353908 | 41.361 | ng | 99 |
| 83) Chrysene | 14.063 | 228 | 1052493 | 39.214 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149 | 770893 | 36.599 | ng | 100 |
| 85) Di-n-octyl phthalate | 14.621 | 149 | 1091714 | 37.251 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.986 | 276 | 1036676 | 40.580 | ng | 98 |
| 88) Benzo(b)fluoranthene | 15.074 | 252 | 995633 | 36.786 | ng | 99 |
| 89) Benzo(k)fluoranthene | 15.098 | 252 | 862161 | 37.223 | ng | 100 |
| 90) Benzo(a)pyrene | 15.439 | 252 | 809840 | 38.240 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 17.004 | 278 | 863026 | 40.945 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 17.439 | 276 | 863842 | 41.473 | ng | 98 |

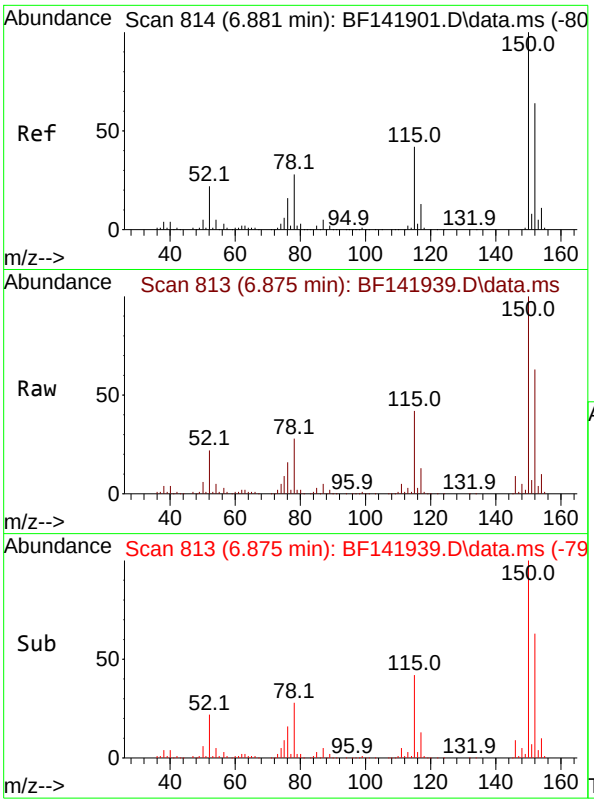
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141939.D
Acq On : 13 Mar 2025 12:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Quant Time: Mar 13 13:05:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



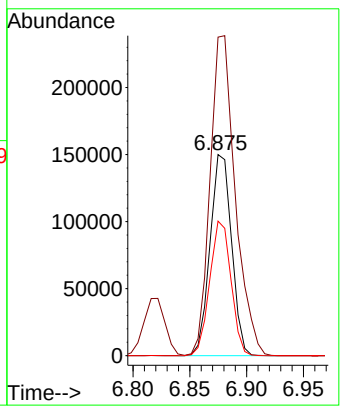


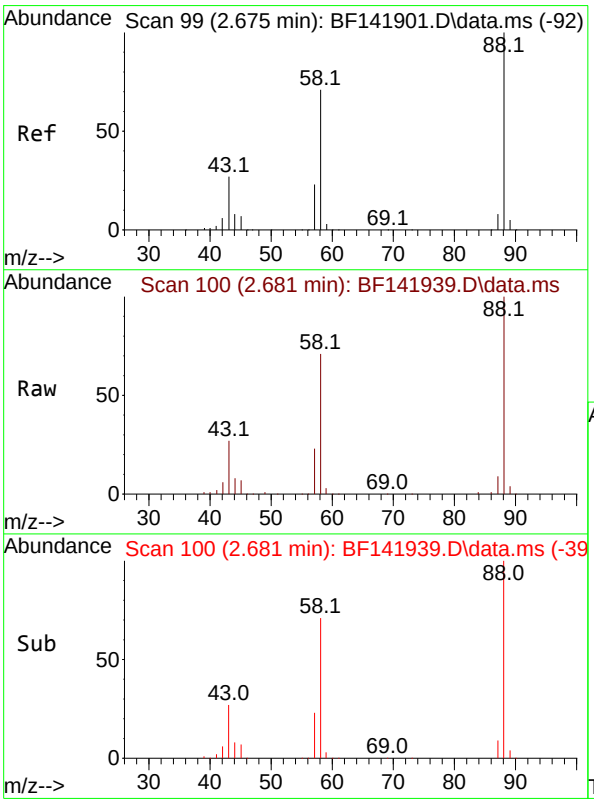

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 198004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.4 | 127.4 | 191.2 |
| 115 | 66.9 | 51.9 | 77.9 |

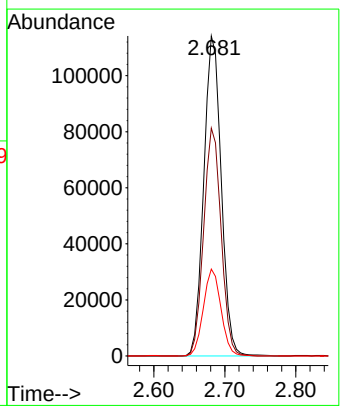


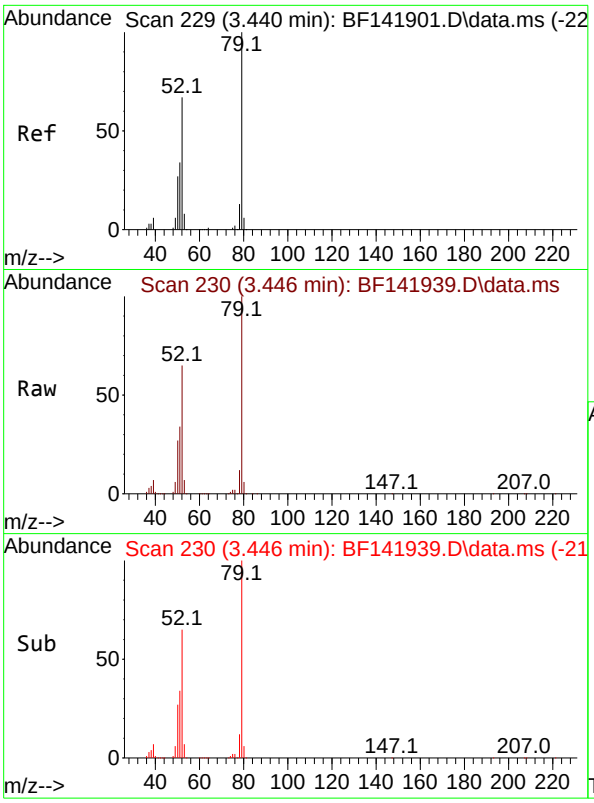




#2
1,4-Dioxane
Concen: 39.334 ng
RT: 2.681 min Scan# 100
Delta R.T. 0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion: 88 Resp: 195530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 70.9 | 57.4 | 86.2 |
| 43 | 27.3 | 21.5 | 32.3 |



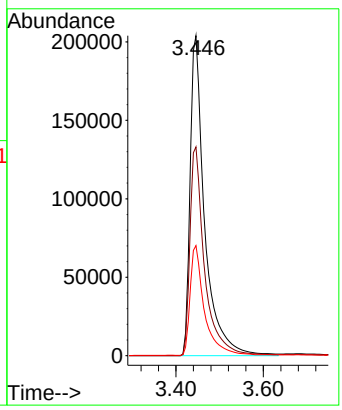


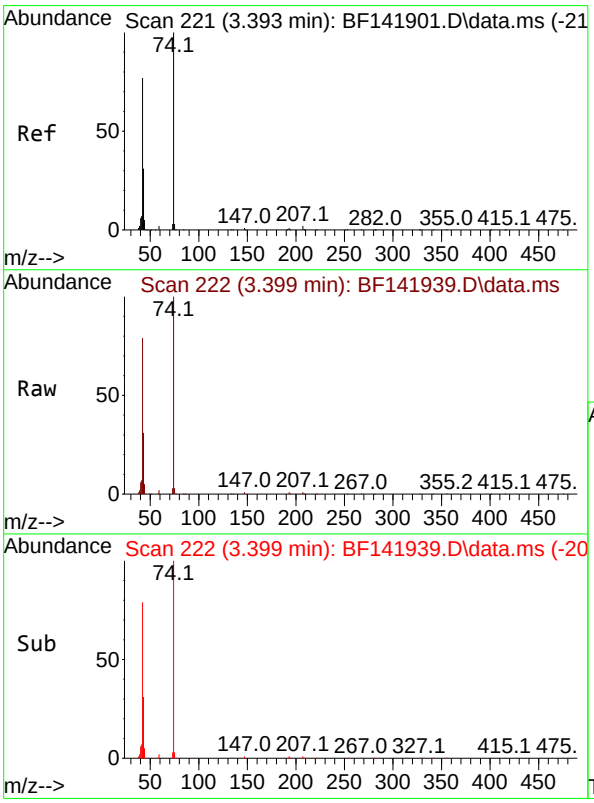

#3
Pyridine
Concen: 38.717 ng
RT: 3.446 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 472100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 65.2 | 53.3 | 79.9 |
| 51 | 34.4 | 27.6 | 41.4 |

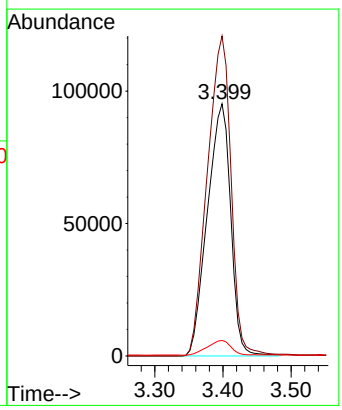


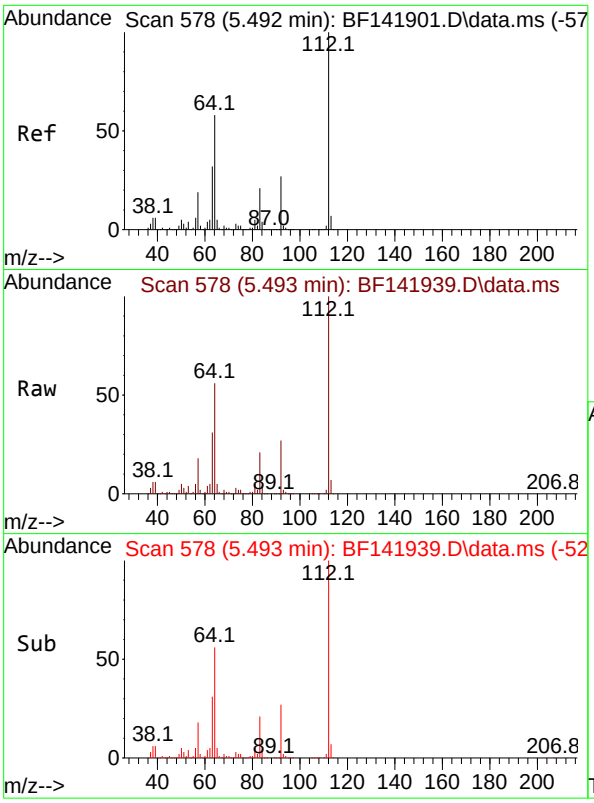




#4
n-Nitrosodimethylamine
Concen: 39.034 ng
RT: 3.399 min Scan# 222
Delta R.T. 0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion: 42 Resp: 226886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 126.9 | 103.4 | 155.0 |
| 44 | 6.2 | 5.0 | 7.4 |



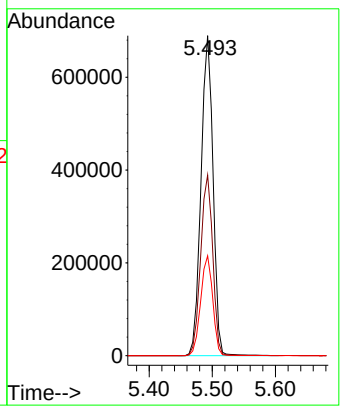


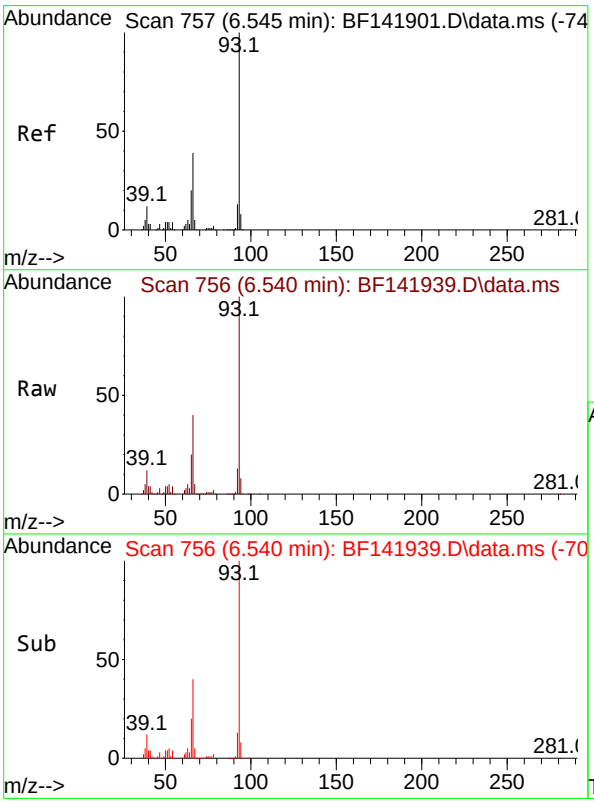

#5
2-Fluorophenol
Concen: 77.057 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:112 Resp: 914193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.5 | 46.5 | 69.7 |
| 63 | 31.2 | 25.4 | 38.2 |

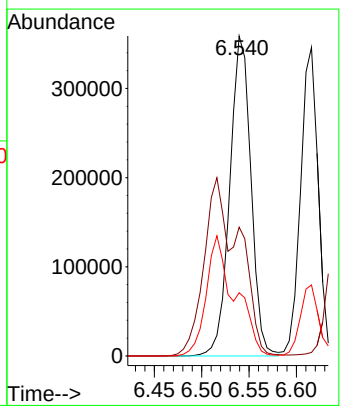


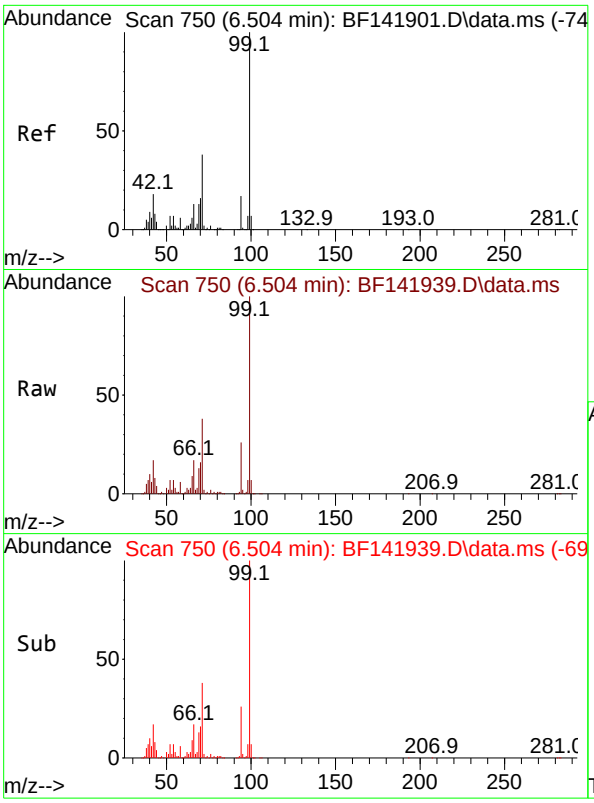




#6
Aniline
Concen: 37.480 ng
RT: 6.540 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion: 93 Resp: 558500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 40.2 | 31.9 | 47.9 |
| 65 | 19.7 | 15.8 | 23.6 |



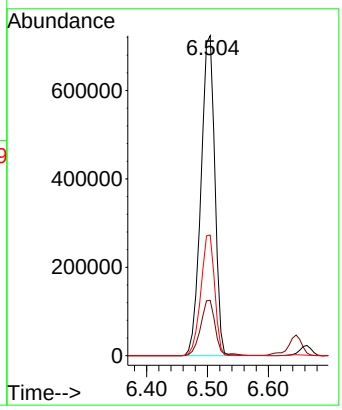


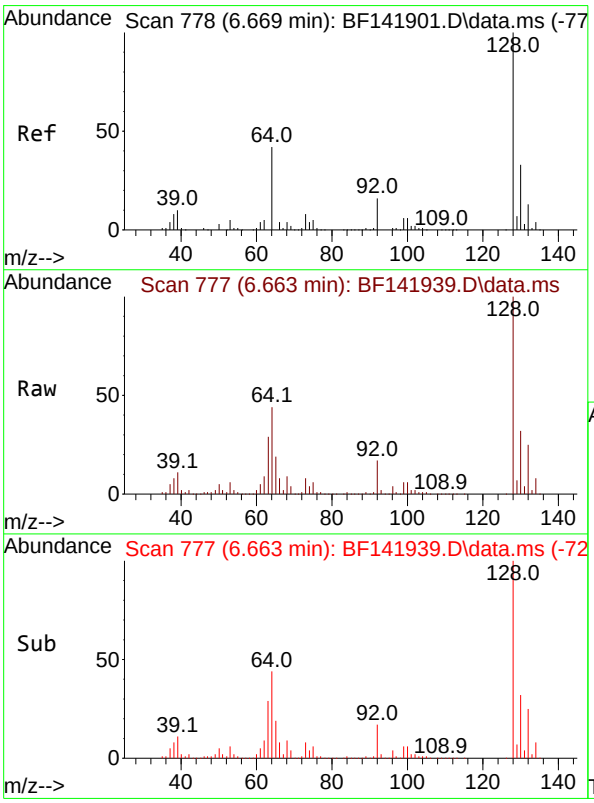

#7
Phenol-d6
Concen: 75.826 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 99 Resp: 1145375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.3 | 14.6 | 21.8 |
| 71 | 37.7 | 30.8 | 46.2 |

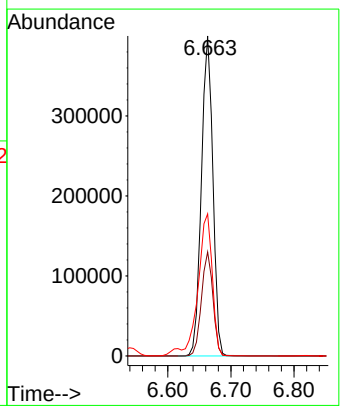


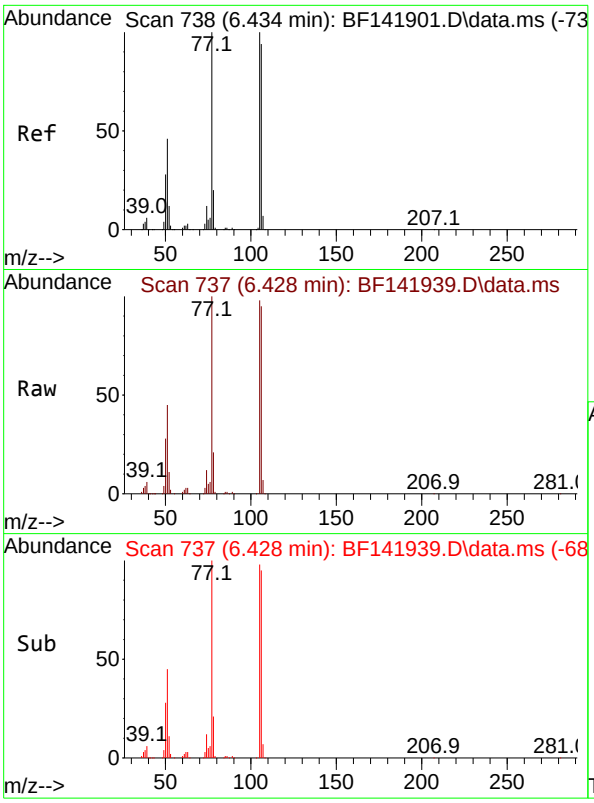




#8
2-Chlorophenol
Concen: 38.395 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:128 Resp: 505200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.5 | 12.8 | 52.8 |
| 64 | 44.4 | 24.4 | 64.4 |



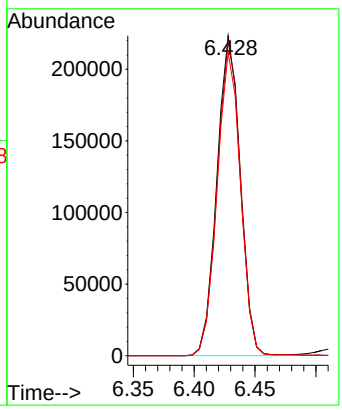


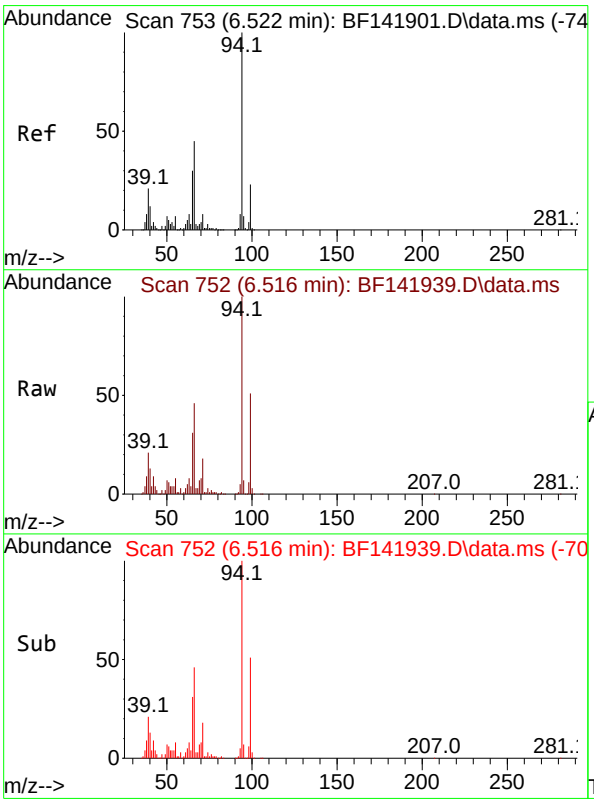

#9
Benzaldehyde
Concen: 35.193 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 297311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 98.3 | 80.0 | 120.0 |
| 106 | 94.8 | 74.5 | 114.5 |

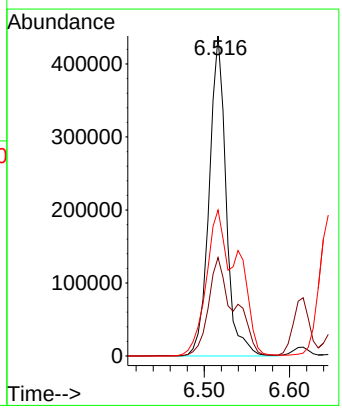


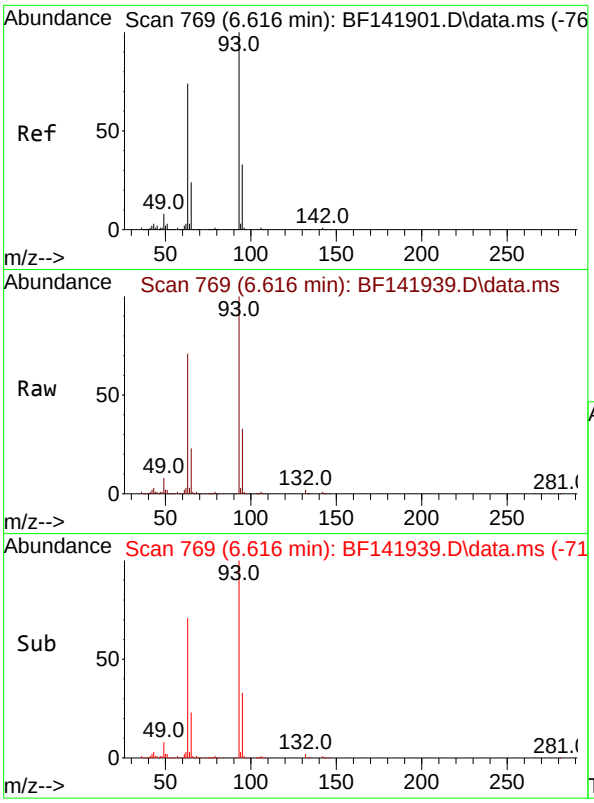




#10
Phenol
Concen: 38.077 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion: 94 Resp: 605095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 30.7 | 10.5 | 50.5 |
| 66 | 45.6 | 25.8 | 65.8 |



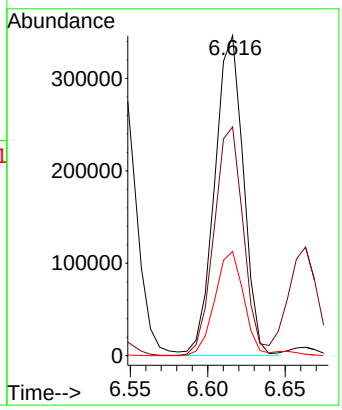


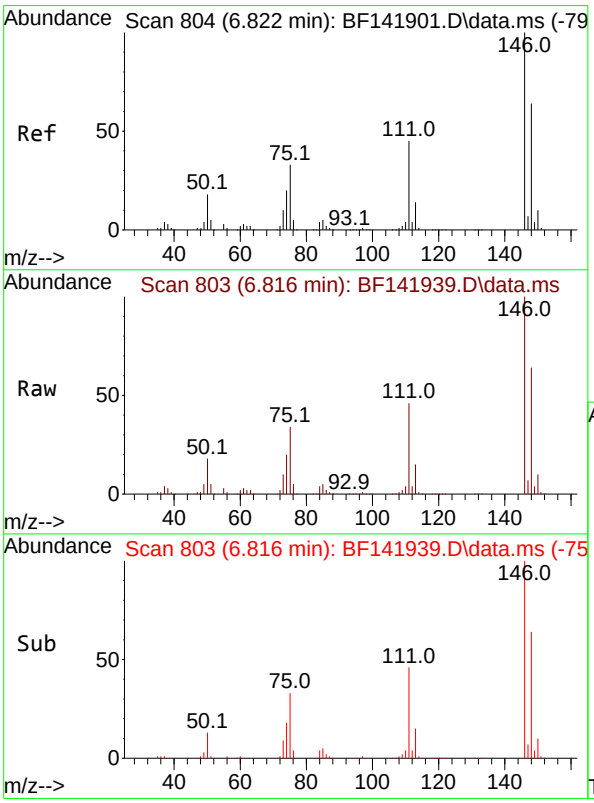

#11
bis(2-Chloroethyl)ether
Concen: 37.411 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 93 Resp: 446408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 71.5 | 53.0 | 93.0 |
| 95 | 32.6 | 12.9 | 52.9 |

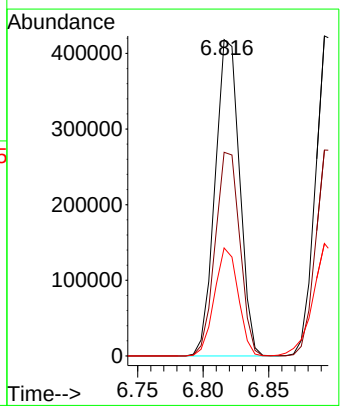


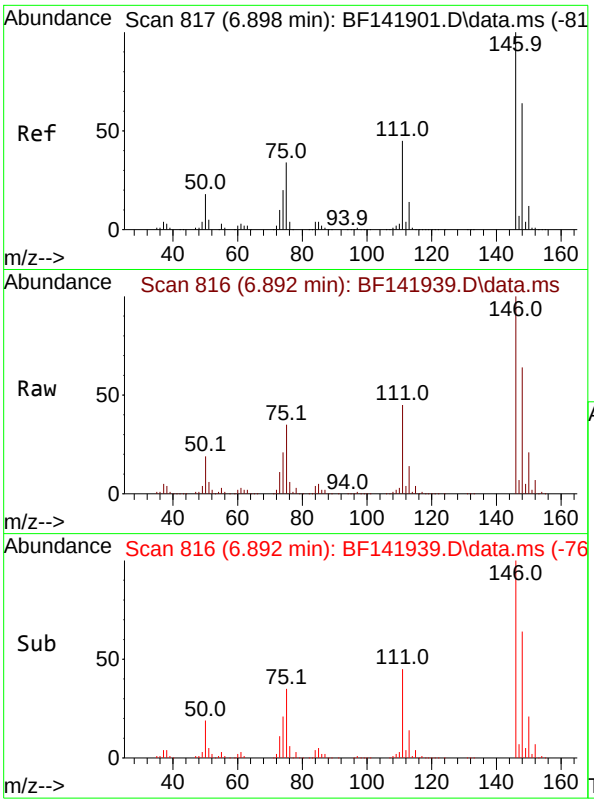




#12
1,3-Dichlorobenzene
Concen: 38.208 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:146 Resp: 542765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.4 | 51.3 | 76.9 |
| 75 | 34.2 | 26.6 | 40.0 |



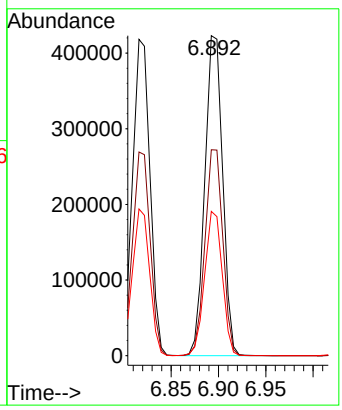


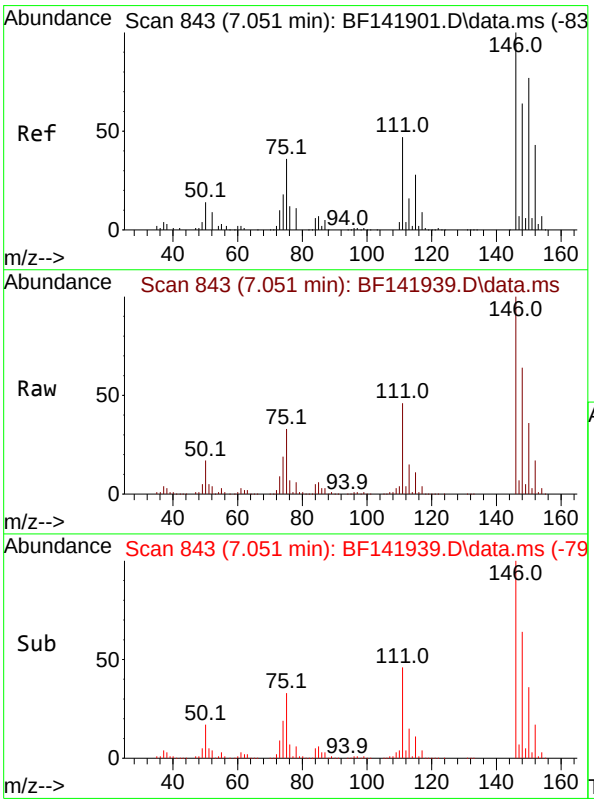

#13
1,4-Dichlorobenzene
Concen: 38.375 ng
RT: 6.892 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:146 Resp: 551564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.3 | 51.0 | 76.6 |
| 111 | 45.1 | 35.7 | 53.5 |

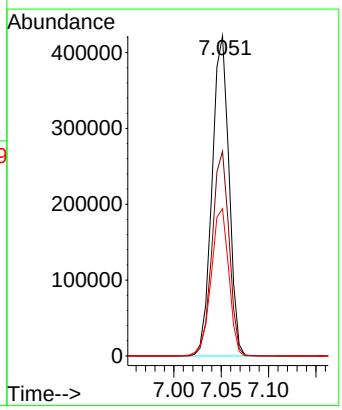


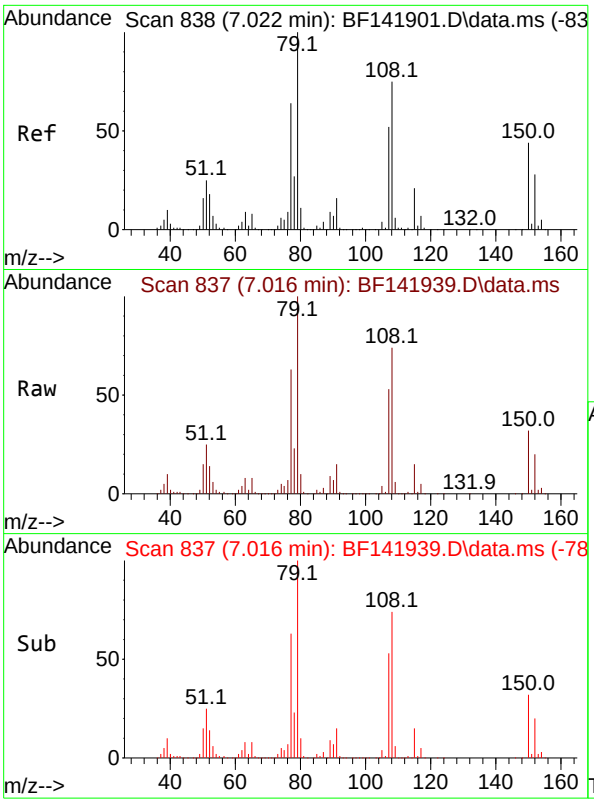




#14
1,2-Dichlorobenzene
Concen: 38.620 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:146 Resp: 522830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.9 | 50.8 | 76.2 |
| 111 | 46.0 | 38.0 | 57.0 |



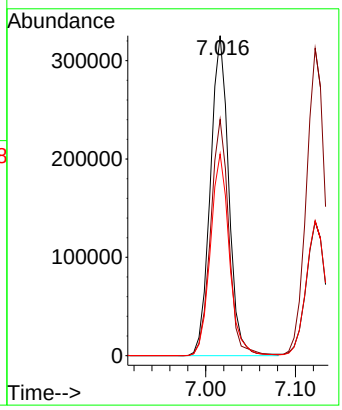


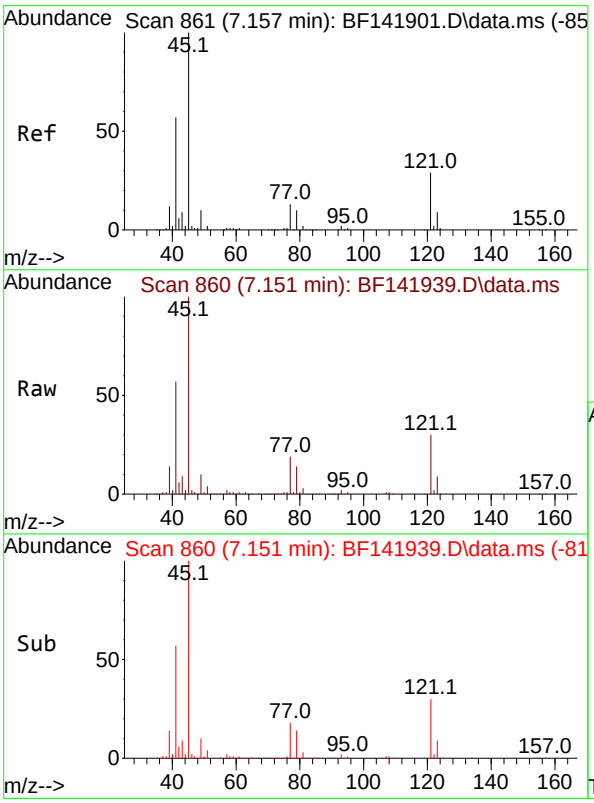

#15
Benzyl Alcohol
Concen: 37.946 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 463386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 73.8 | 59.7 | 89.5 |
| 77 | 63.0 | 51.0 | 76.6 |

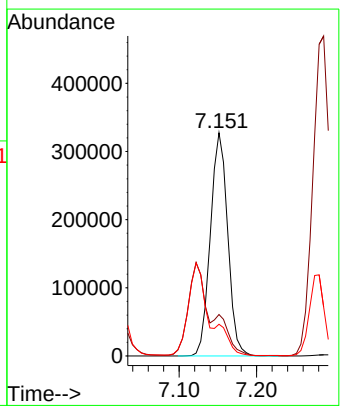


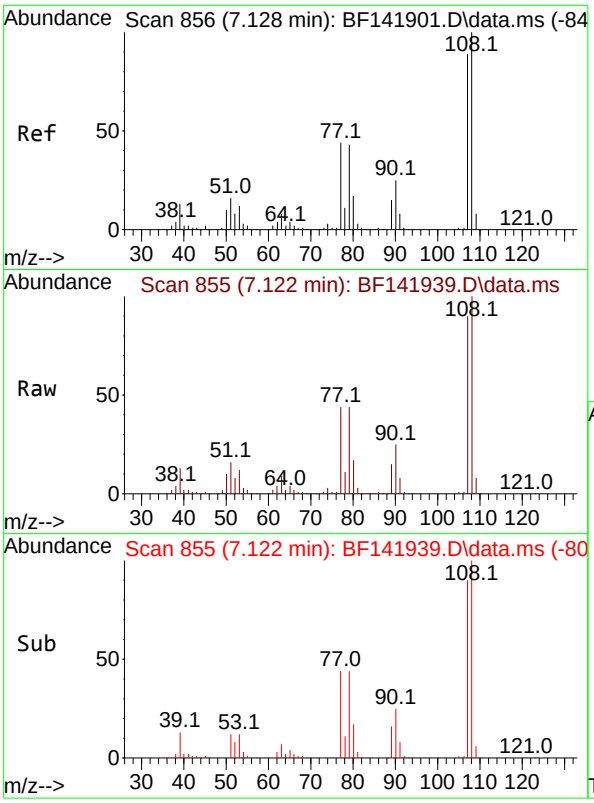




#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.329 ng
RT: 7.151 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion: 45 Resp: 508939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 18.6 | 0.0 | 37.8 |
| 79 | 14.2 | 0.0 | 34.2 |



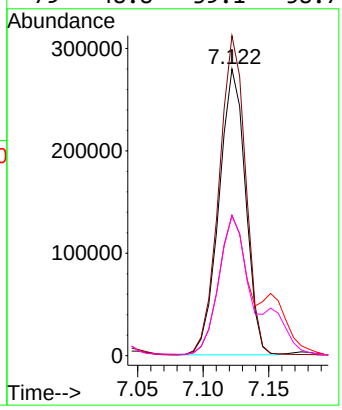


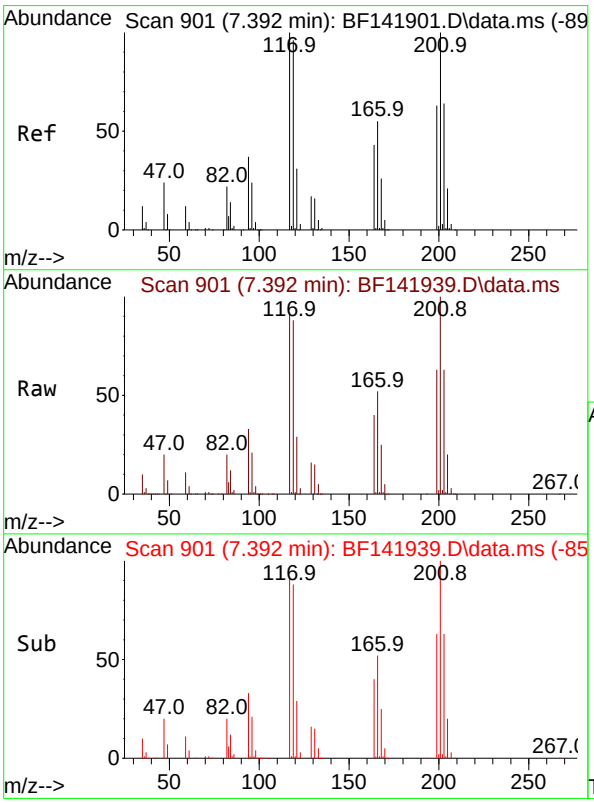

#17
2-Methylphenol
Concen: 37.607 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:107 Resp: 393438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.6 | 90.2 | 135.2 |
| 77 | 49.0 | 39.6 | 59.4 |
| 79 | 48.8 | 39.1 | 58.7 |

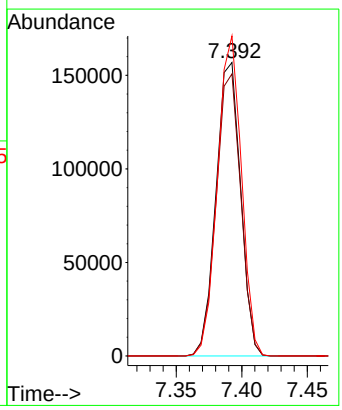


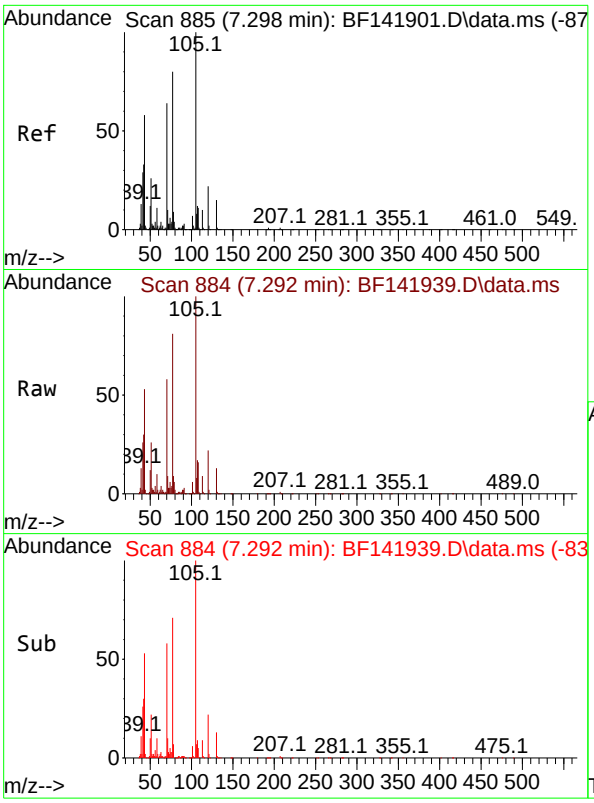




#18
Hexachloroethane
Concen: 38.069 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:117 Resp: 205179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.1 | 76.9 | 115.3 |
| 201 | 109.1 | 79.9 | 119.9 |



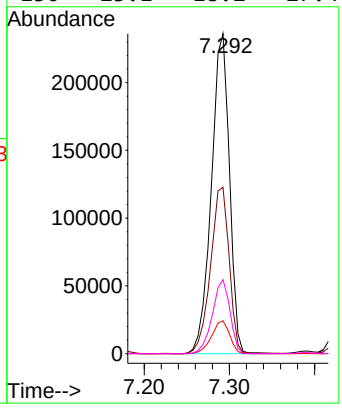


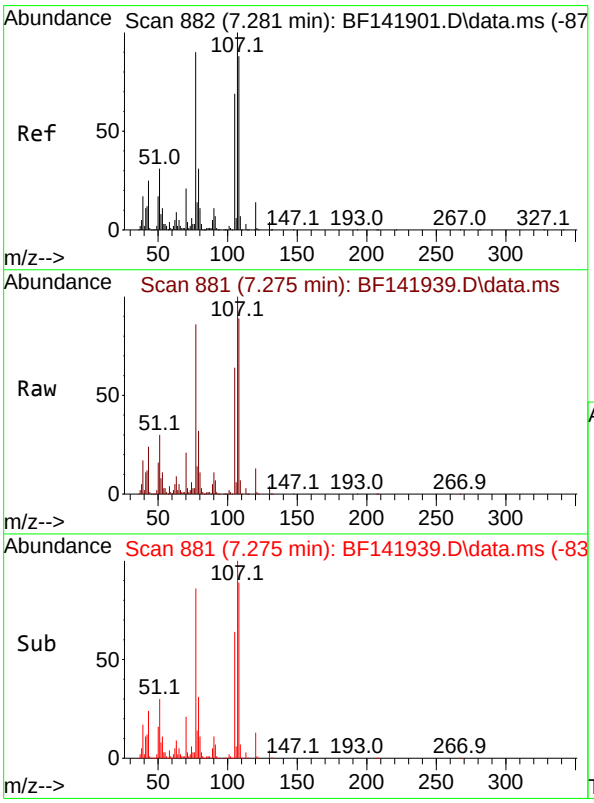

#19
n-Nitroso-di-n-propylamine
Concen: 35.812 ng
RT: 7.292 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 70 Resp: 347590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 52.0 | 41.4 | 62.0 |
| 101 | 10.3 | 8.2 | 12.2 |
| 130 | 23.1 | 18.2 | 27.4 |

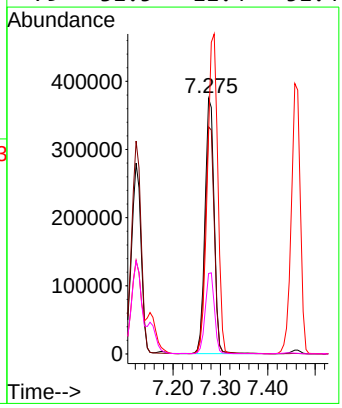


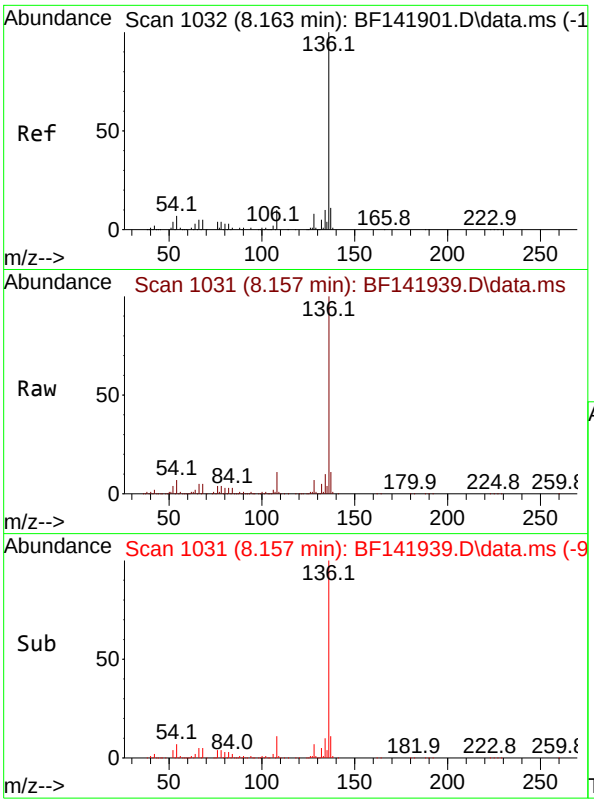




#20
3+4-Methylphenols
Concen: 37.464 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:107 Resp: 502037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 88.8 | 68.4 | 108.4 |
| 77 | 86.2 | 69.7 | 109.7 |
| 79 | 31.5 | 11.4 | 51.4 |



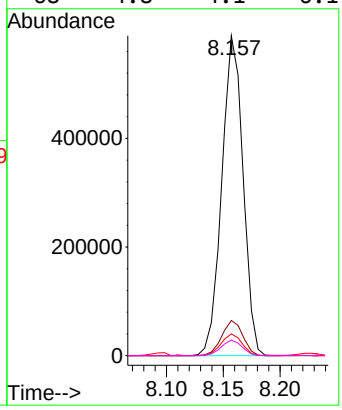


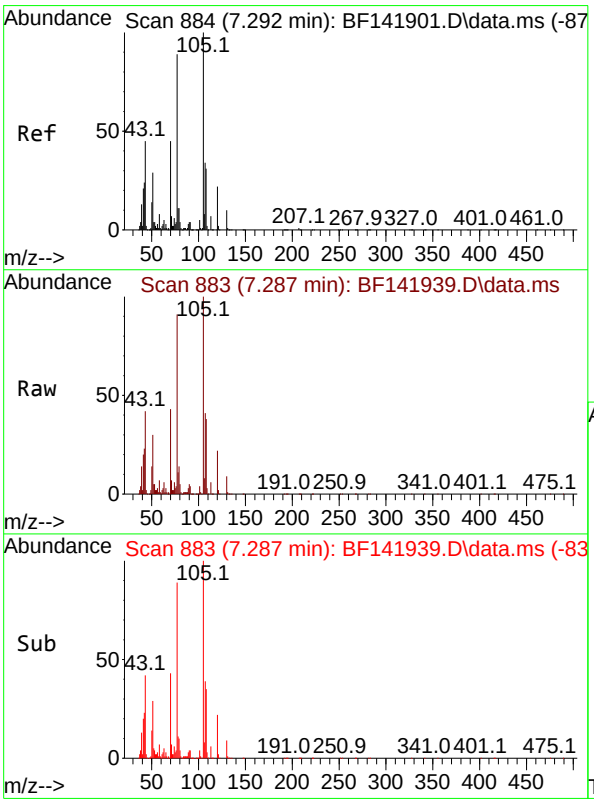

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:136 Resp: 767232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.8 | 13.2 |
| 54 | 6.8 | 5.8 | 8.8 |
| 68 | 4.8 | 4.1 | 6.1 |

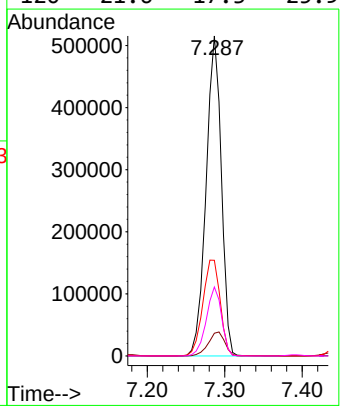


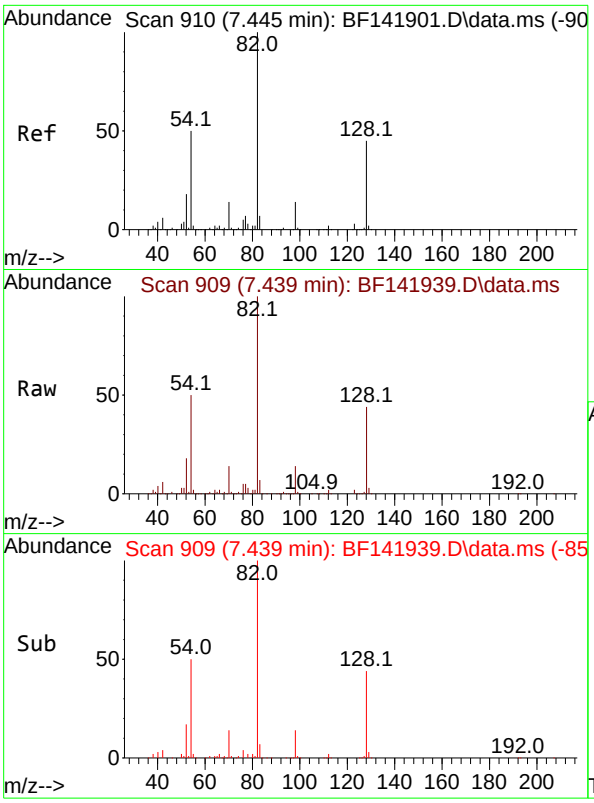




#22
Acetophenone
Concen: 38.332 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:105 Resp: 704297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 7.1 | 5.8 | 8.8 |
| 51 | 29.9 | 23.4 | 35.0 |
| 120 | 21.6 | 17.3 | 25.9 |



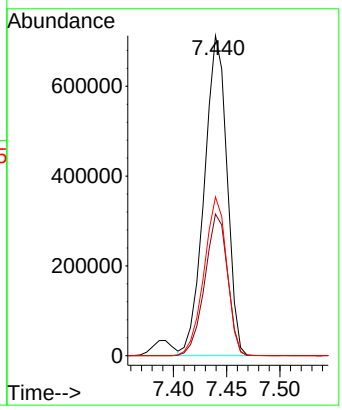


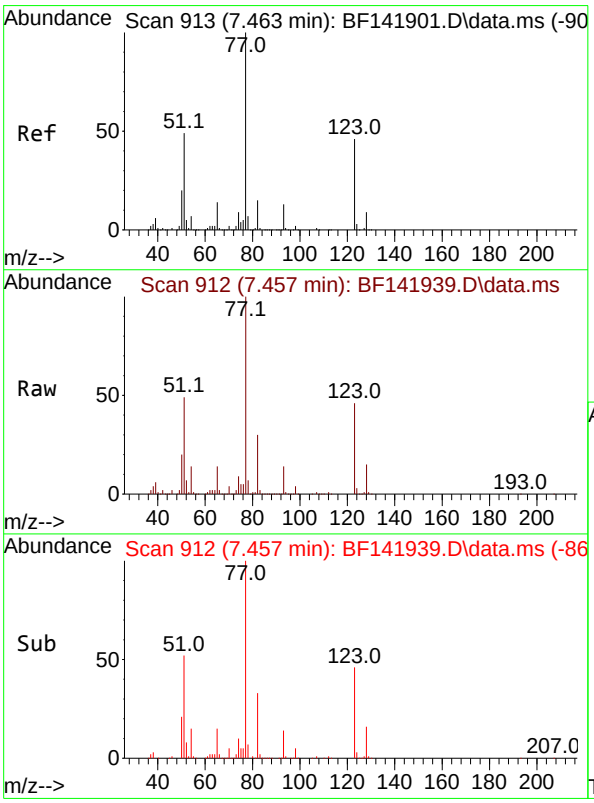

#23
Nitrobenzene-d5
Concen: 77.391 ng
RT: 7.439 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 1055101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.2 | 36.0 | 54.0 |
| 54 | 49.6 | 39.6 | 59.4 |

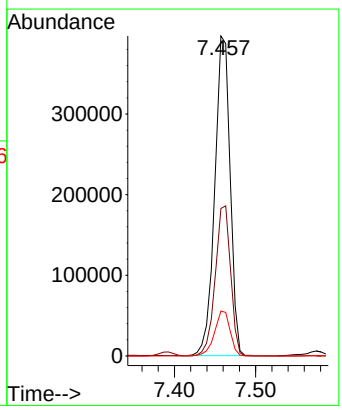


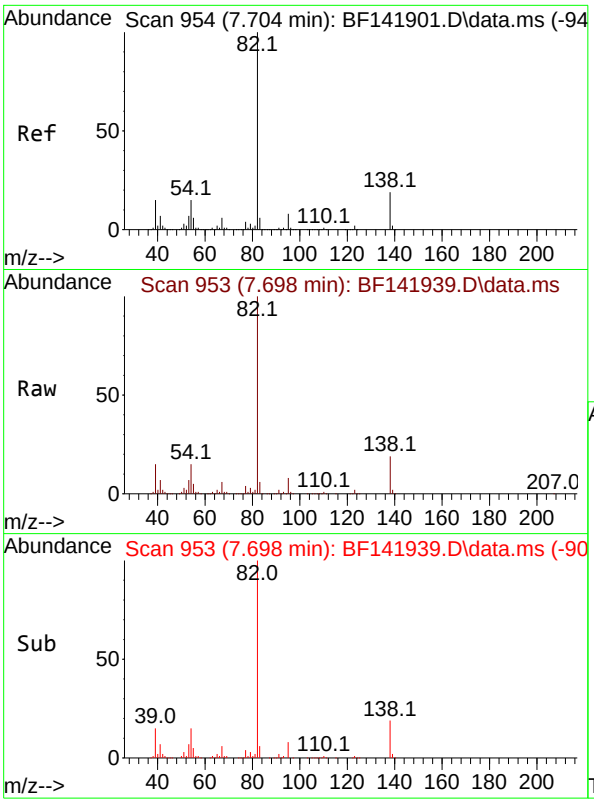




#24
Nitrobenzene
Concen: 38.634 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion: 77 Resp: 523612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.1 | 37.0 | 55.4 |
| 65 | 14.1 | 11.3 | 16.9 |



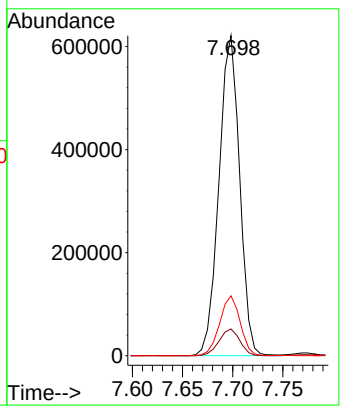


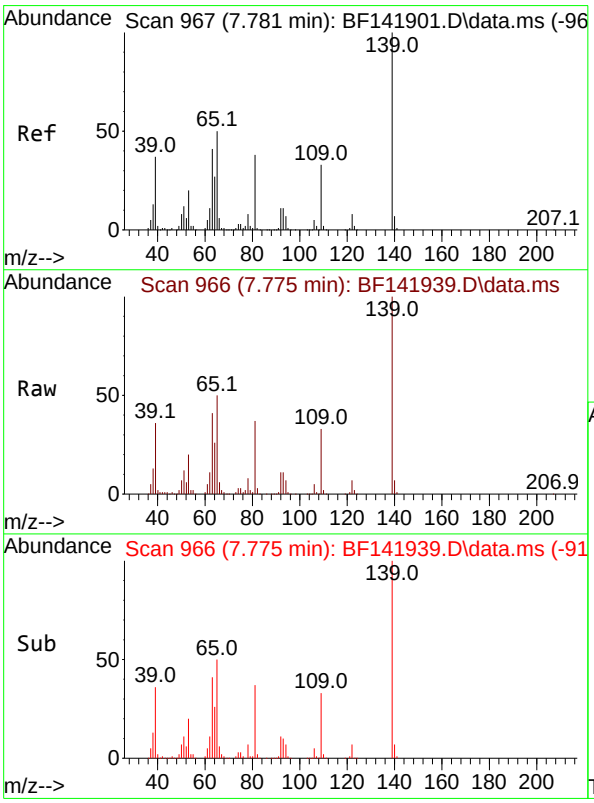

#25
Isophorone
Concen: 36.899 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 889235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.3 | 6.4 | 9.6 |
| 138 | 18.7 | 14.9 | 22.3 |

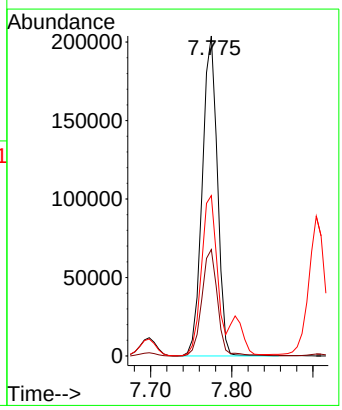


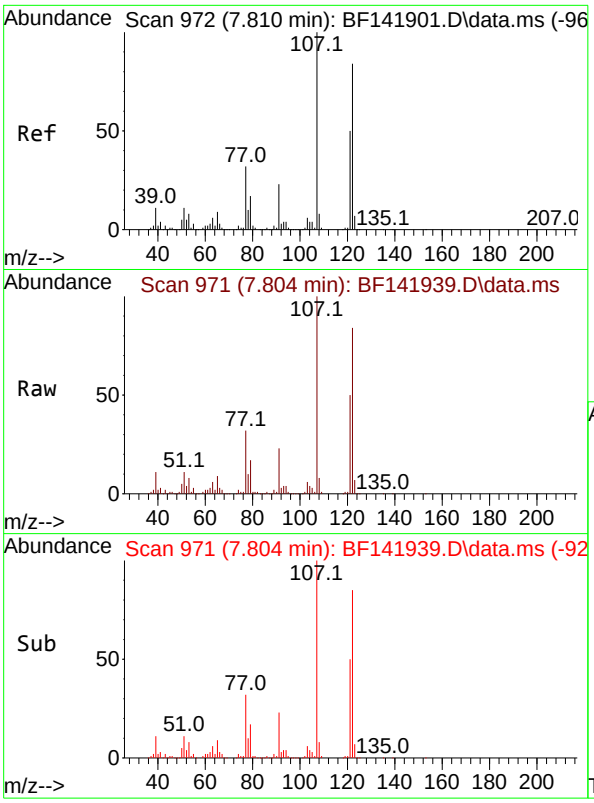




#26
2-Nitrophenol
Concen: 39.549 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:139 Resp: 263074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 33.2 | 26.5 | 39.7 |
| 65 | 50.1 | 40.3 | 60.5 |



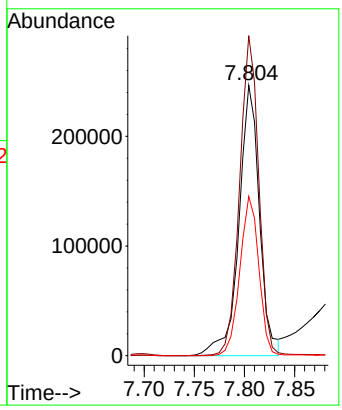


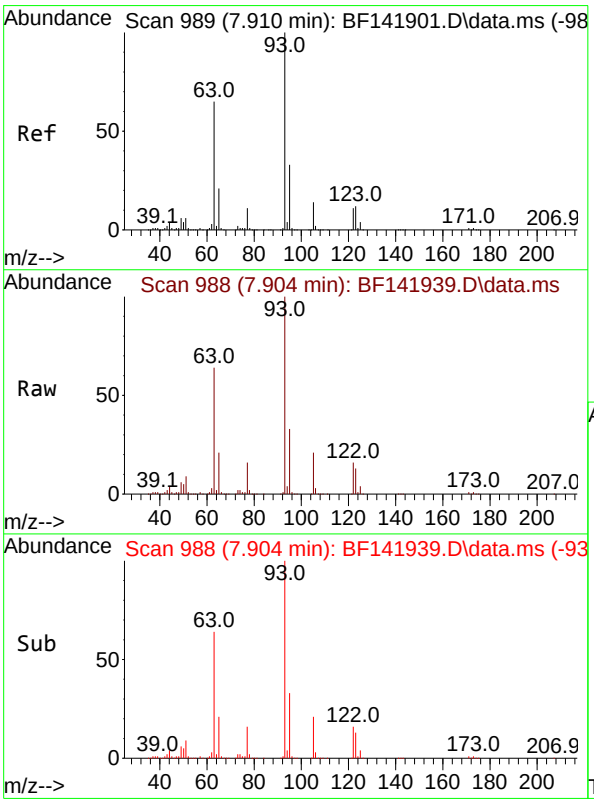

#27
2,4-Dimethylphenol
Concen: 38.499 ng
RT: 7.804 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:122 Resp: 352630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 118.4 | 94.8 | 142.2 |
| 121 | 58.9 | 47.8 | 71.6 |

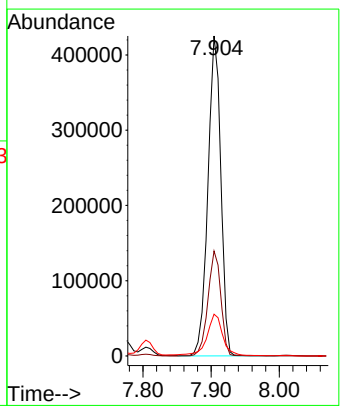


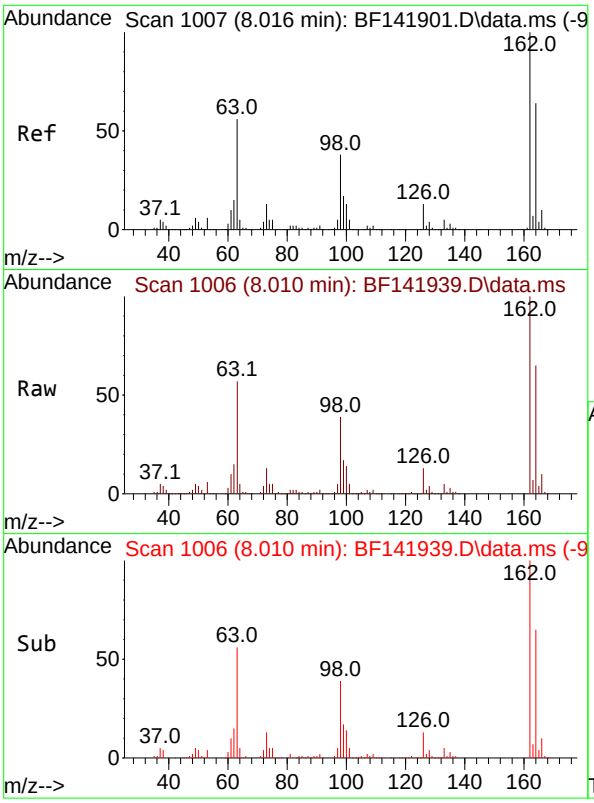




#28
bis(2-Chloroethoxy)methane
Concen: 37.044 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion: 93 Resp: 559932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.8 | 26.6 | 40.0 |
| 123 | 13.1 | 10.2 | 15.4 |



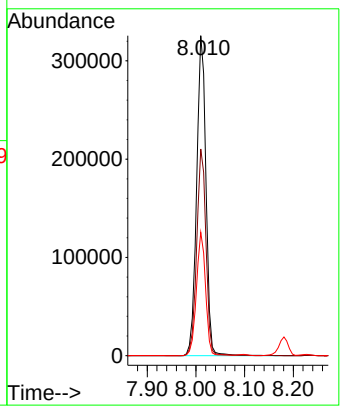


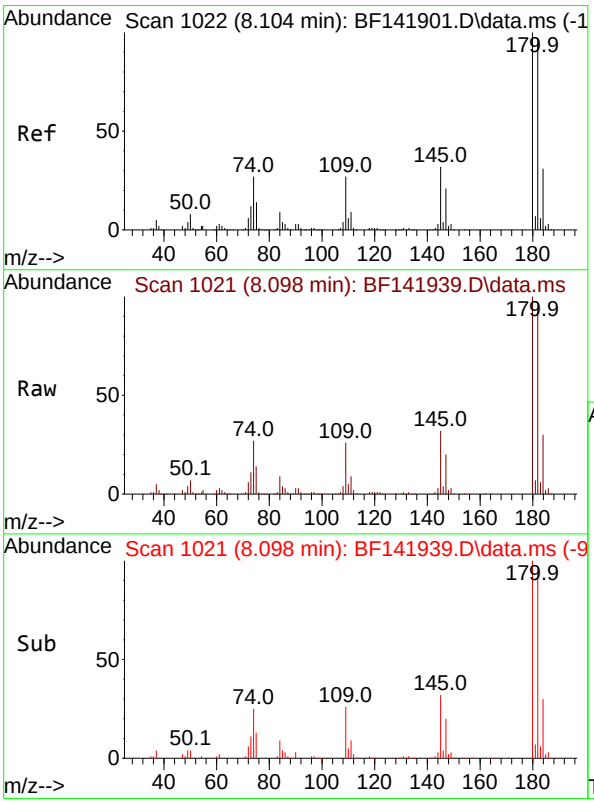

#29
2,4-Dichlorophenol
Concen: 38.322 ng
RT: 8.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 435680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.6 | 43.8 | 83.8 |
| 98 | 38.6 | 18.1 | 58.1 |

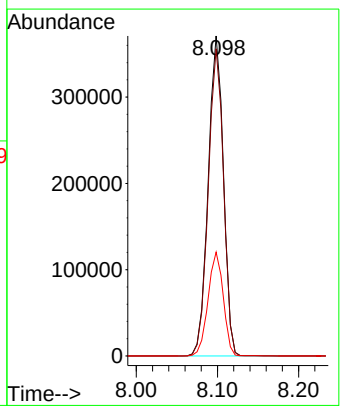


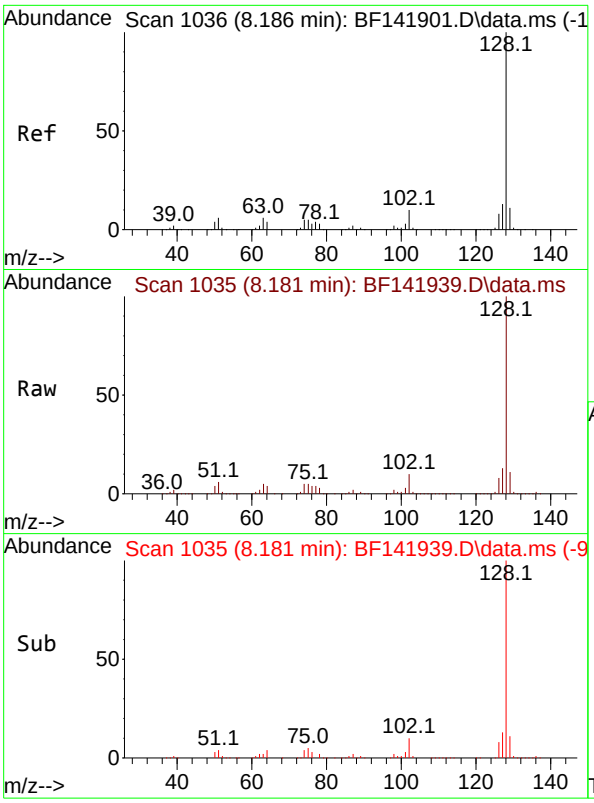




#30
1,2,4-Trichlorobenzene
Concen: 38.527 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:180 Resp: 482699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.0 | 77.5 | 116.3 |
| 145 | 32.5 | 25.8 | 38.6 |



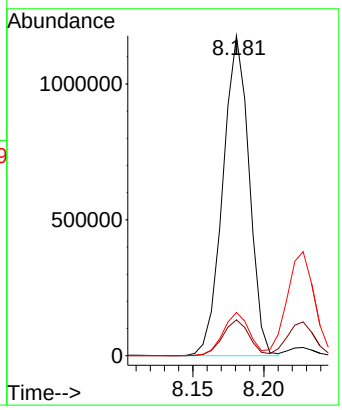


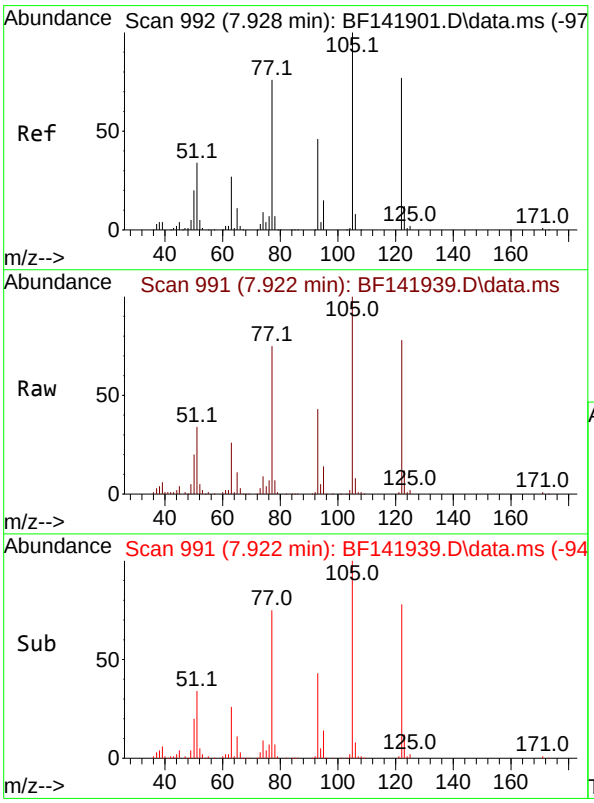

#31
Naphthalene
Concen: 38.385 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:128 Resp: 1512818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 9.0 | 13.6 |
| 127 | 13.5 | 10.8 | 16.2 |

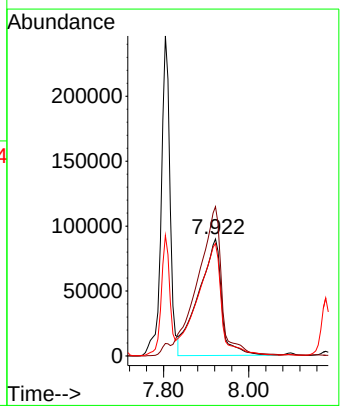


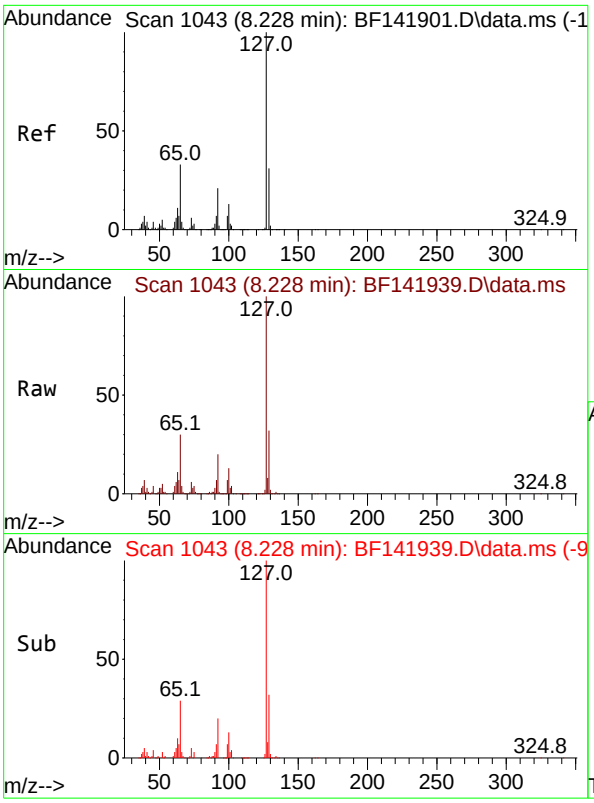




#32
Benzoic acid
Concen: 42.081 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:122 Resp: 338815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 127.7 | 107.9 | 147.9 |
| 77 | 96.2 | 79.0 | 119.0 |



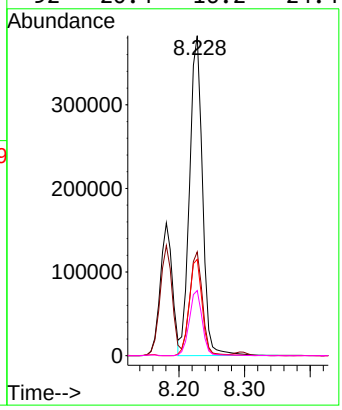


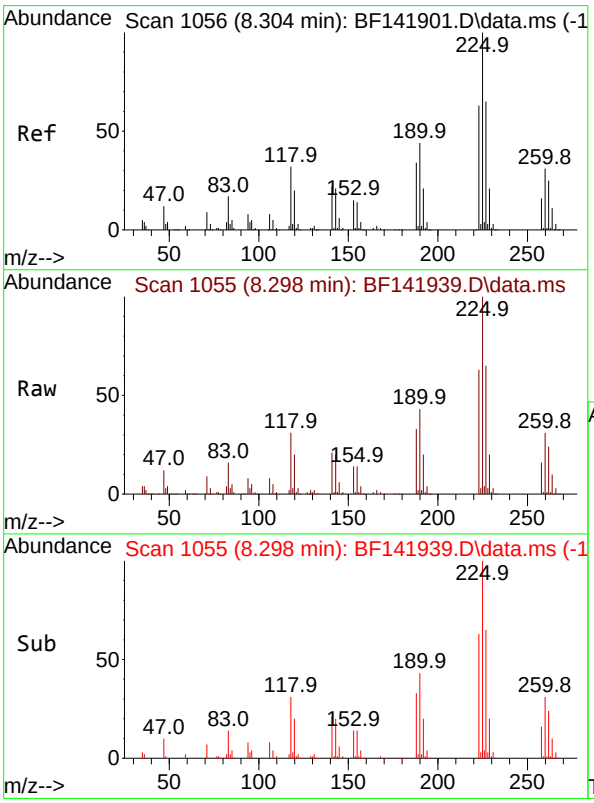

#33
4-Chloroaniline
Concen: 37.629 ng
RT: 8.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:127 Resp: 523526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.5 | 26.2 | 39.4 |
| 65 | 30.1 | 25.4 | 38.2 |
| 92 | 20.4 | 16.2 | 24.4 |

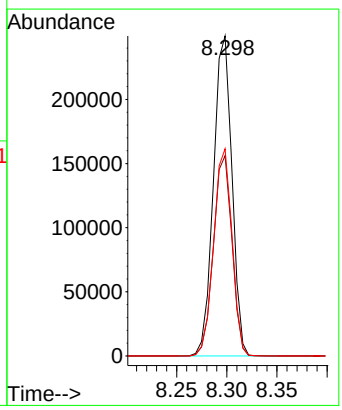


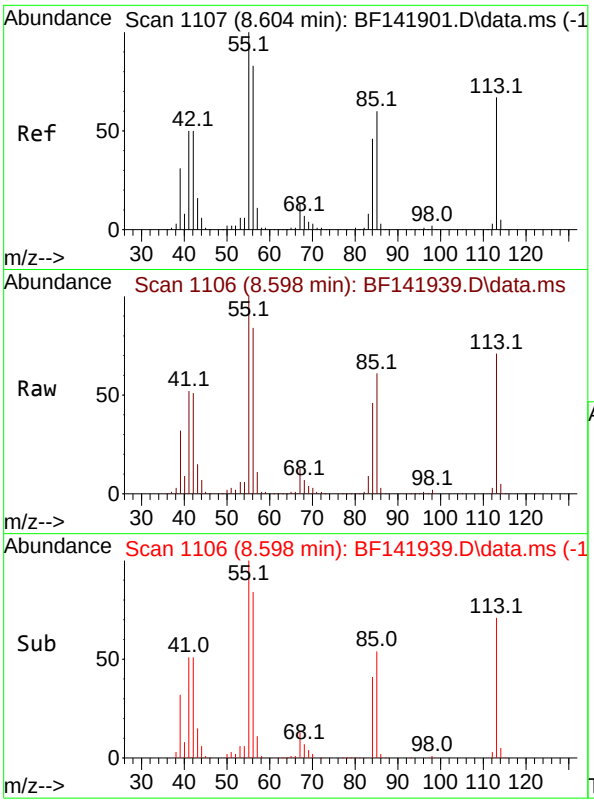




#34
Hexachlorobutadiene
Concen: 39.060 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:225 Resp: 319154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.6 | 50.6 | 75.8 |
| 227 | 64.8 | 52.2 | 78.2 |



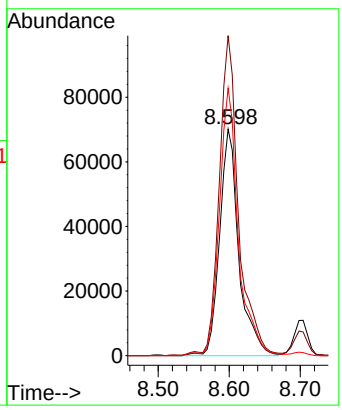


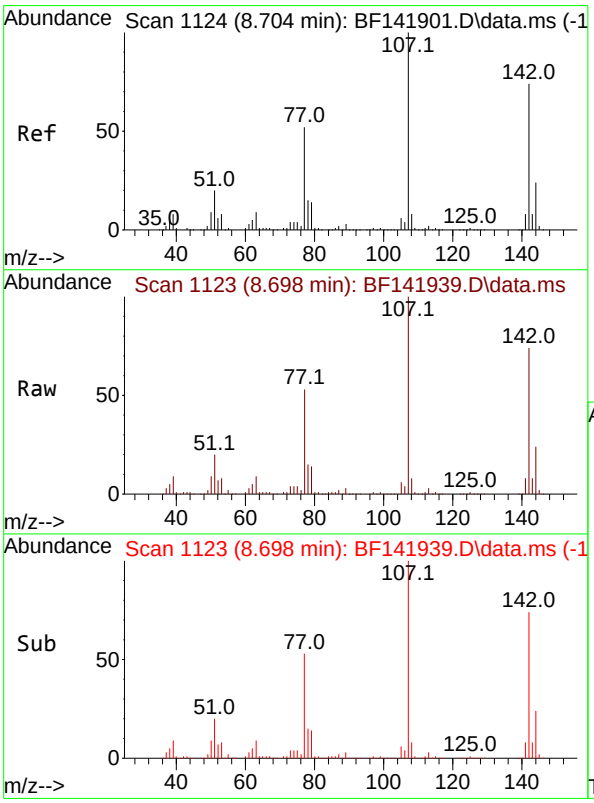

#35
Caprolactam
Concen: 37.884 ng
RT: 8.598 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:113 Resp: 131311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 141.3 | 129.6 | 169.6 |
| 56 | 118.1 | 104.0 | 144.0 |

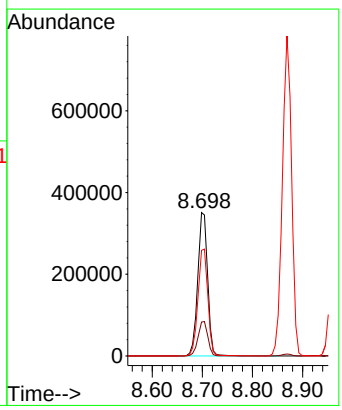


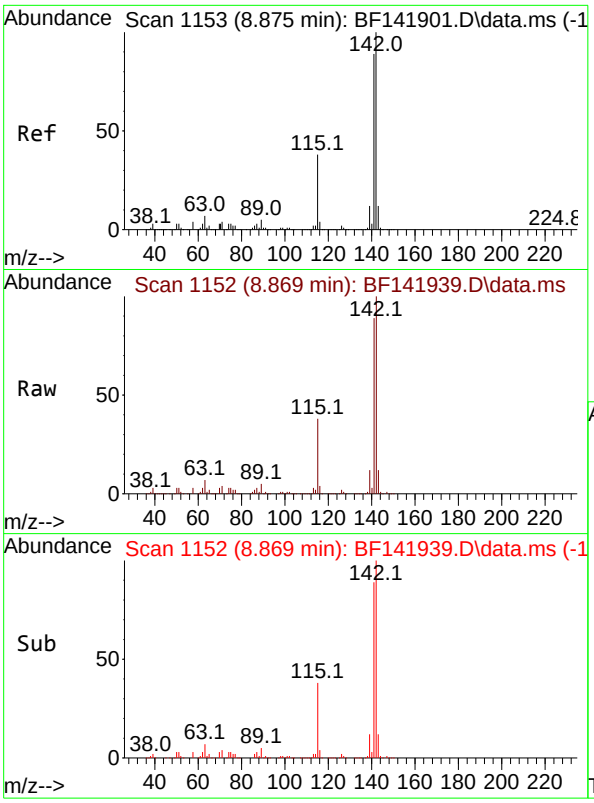




#36
4-Chloro-3-methylphenol
Concen: 37.769 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:107 Resp: 479000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 23.6 | 19.0 | 28.6 |
| 142 | 73.6 | 59.2 | 88.8 |



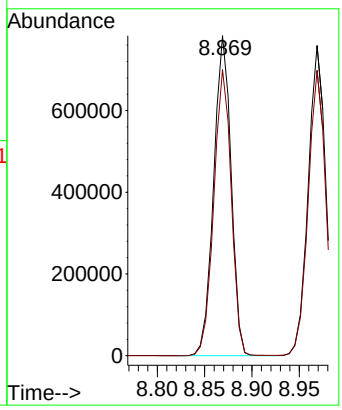


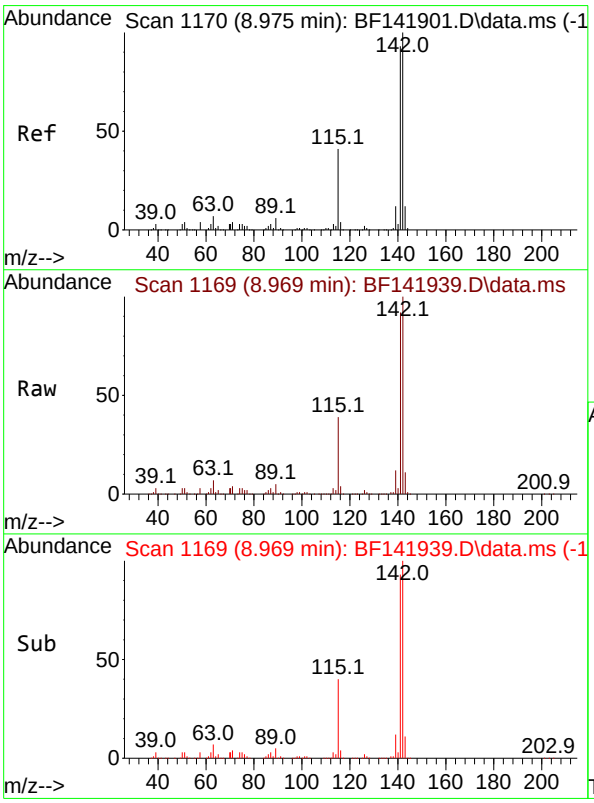

#37
2-Methylnaphthalene
Concen: 38.045 ng
RT: 8.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:142 Resp: 1002209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.4 | 71.2 | 106.8 |

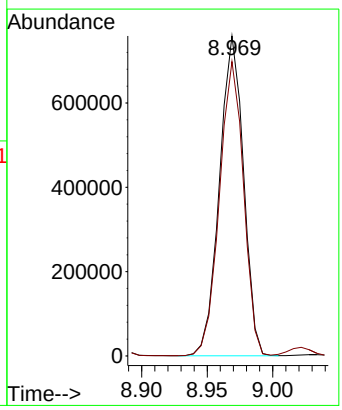


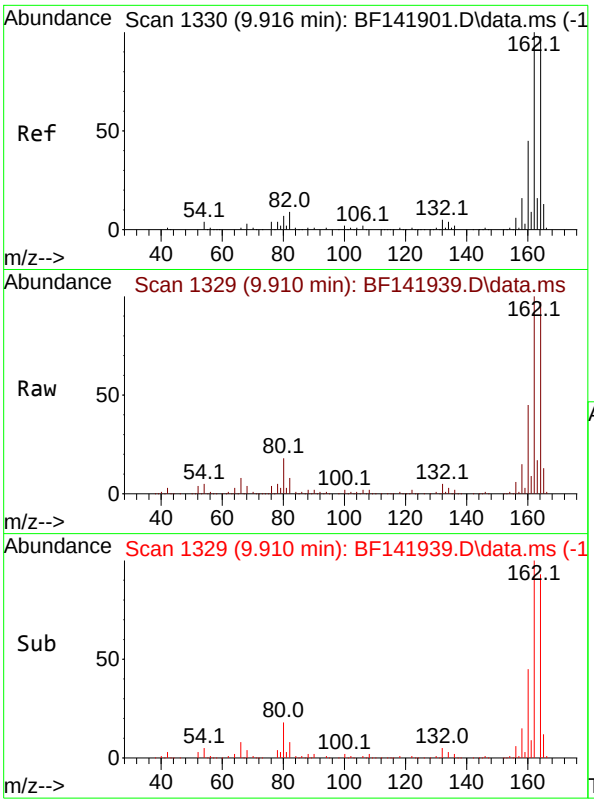




#38
1-Methylnaphthalene
Concen: 38.016 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:142 Resp: 966389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.0 | 74.2 | 111.4 |



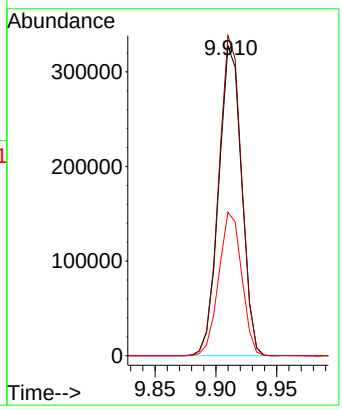


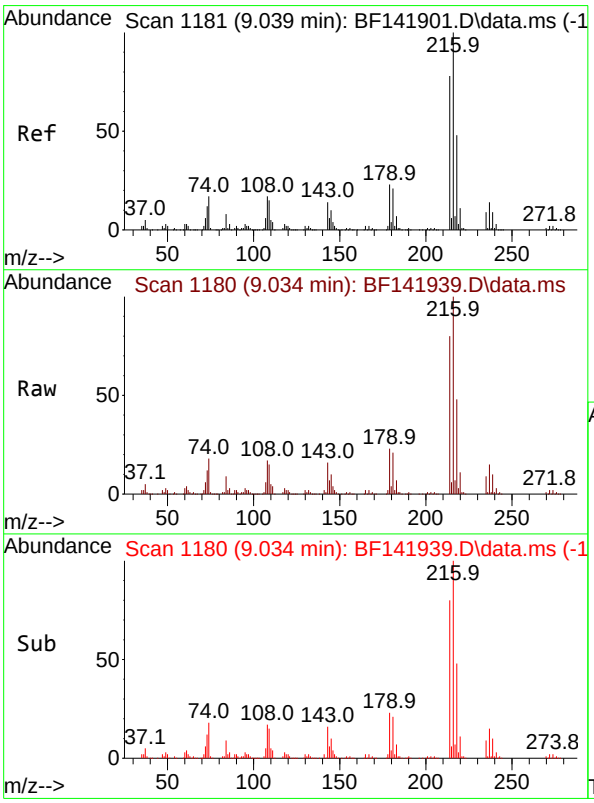

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:164 Resp: 426931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.3 | 81.8 | 122.6 |
| 160 | 46.3 | 36.7 | 55.1 |

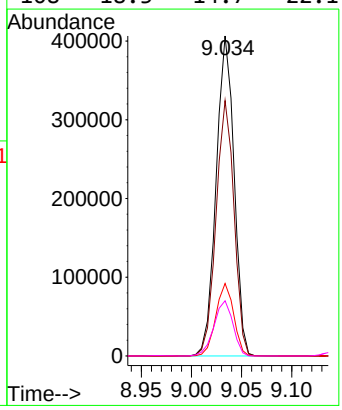


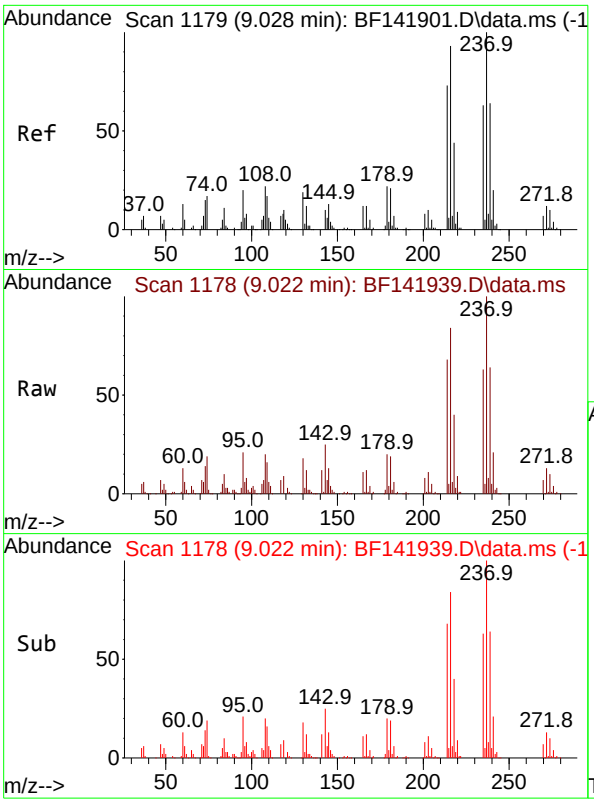




#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.972 ng
RT: 9.034 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:216 Resp: 506575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.5 | 61.9 | 92.9 |
| 179 | 22.4 | 18.1 | 27.1 |
| 108 | 18.3 | 14.7 | 22.1 |



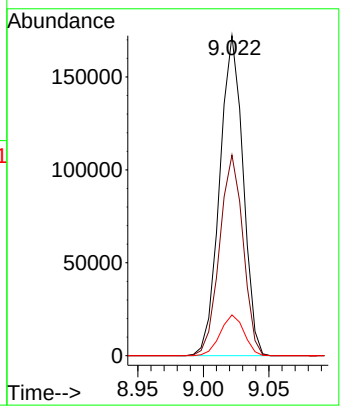


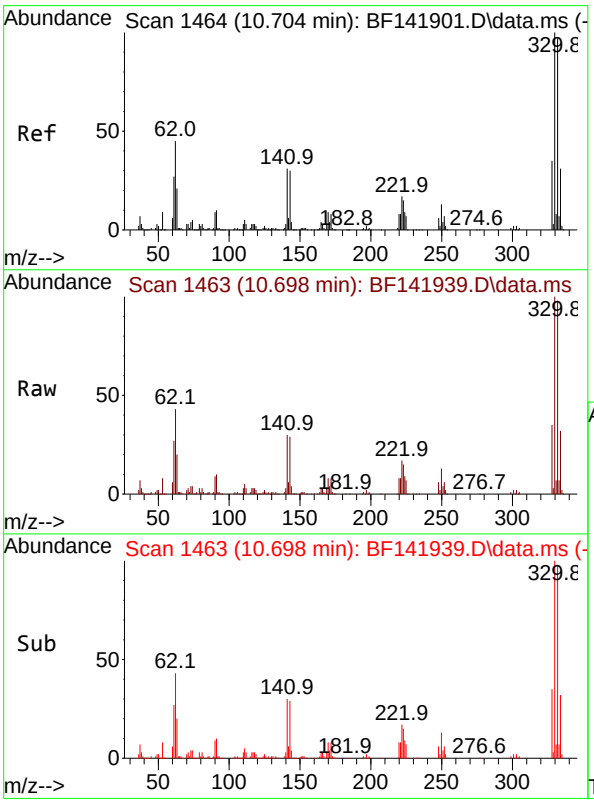

#41
Hexachlorocyclopentadiene
Concen: 41.981 ng
RT: 9.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:237 Resp: 213556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.7 | 43.1 | 83.1 |
| 272 | 12.8 | 0.0 | 32.0 |

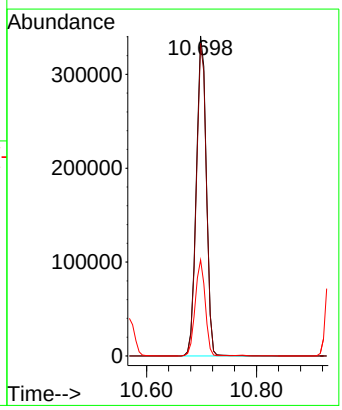


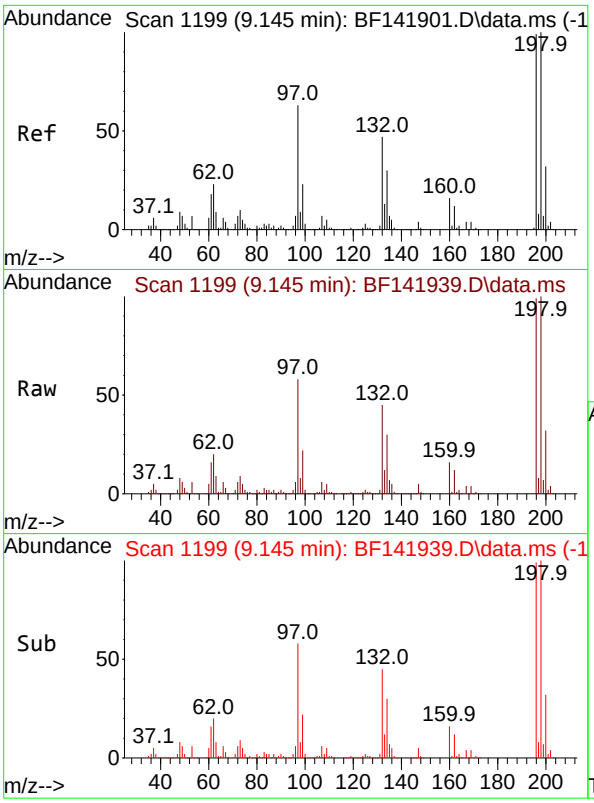




#42
2,4,6-Tribromophenol
Concen: 79.856 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:330 Resp: 432513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.4 | 77.6 | 116.4 |
| 141 | 29.8 | 24.7 | 37.1 |



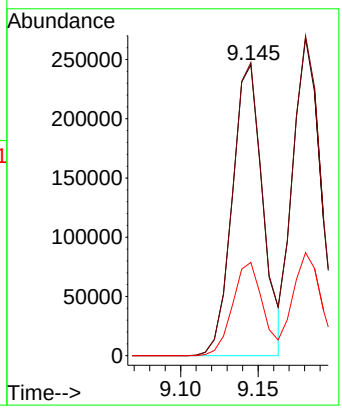


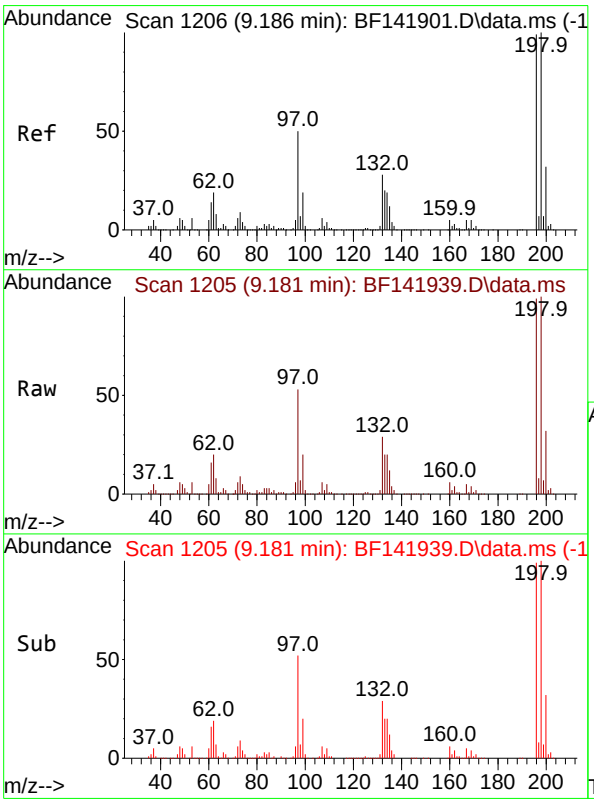

#43
2,4,6-Trichlorophenol
Concen: 39.520 ng
RT: 9.145 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:196 Resp: 335717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.8 | 80.6 | 121.0 |
| 200 | 32.1 | 25.8 | 38.6 |

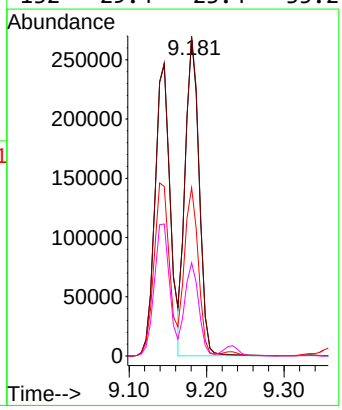


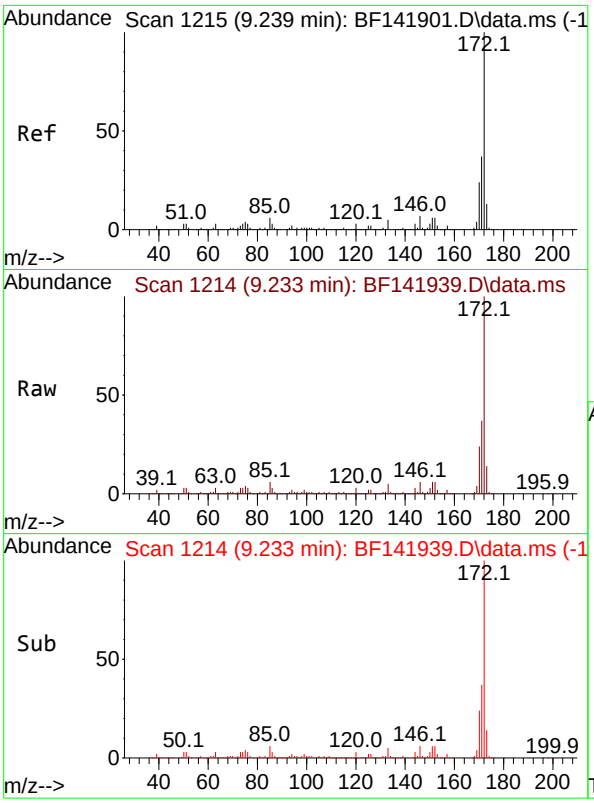




#44
2,4,5-Trichlorophenol
Concen: 39.009 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:196 Resp: 335620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.8 | 80.7 | 121.1 |
| 97 | 53.0 | 42.1 | 63.1 |
| 132 | 29.4 | 23.4 | 35.2 |



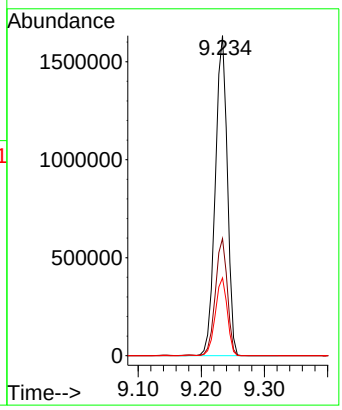


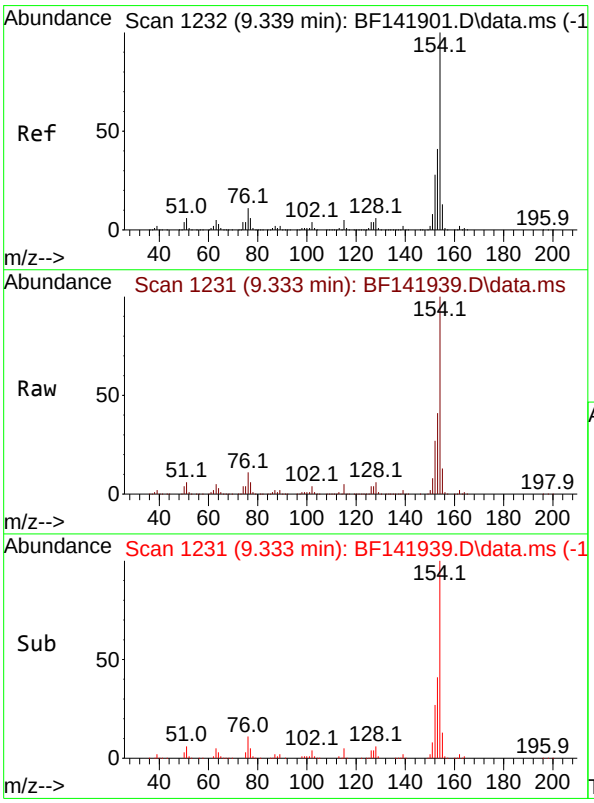

#45
2-Fluorobiphenyl
Concen: 76.930 ng
RT: 9.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:172 Resp: 2159613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.6 | 29.3 | 43.9 |
| 170 | 24.3 | 19.4 | 29.0 |

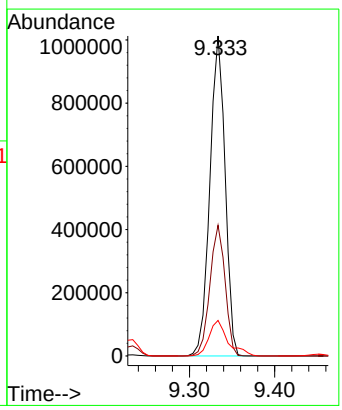


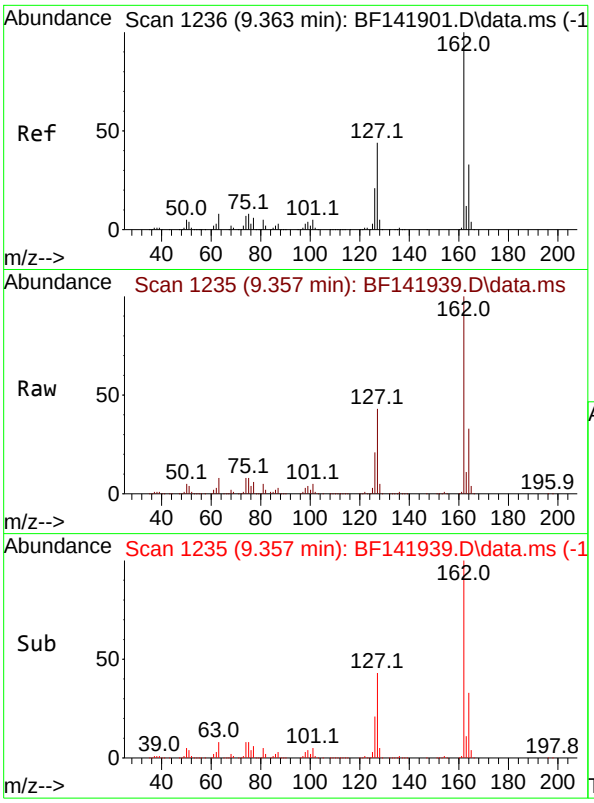




#46
1,1'-Biphenyl
Concen: 38.721 ng
RT: 9.333 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:154 Resp: 1256074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.9 | 21.1 | 61.1 |
| 76 | 11.1 | 0.0 | 31.3 |



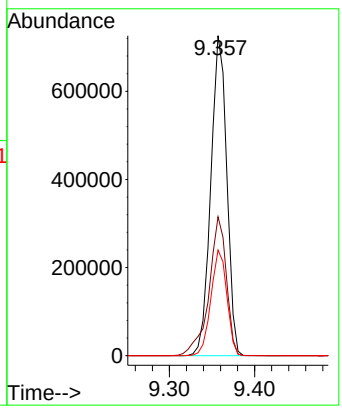


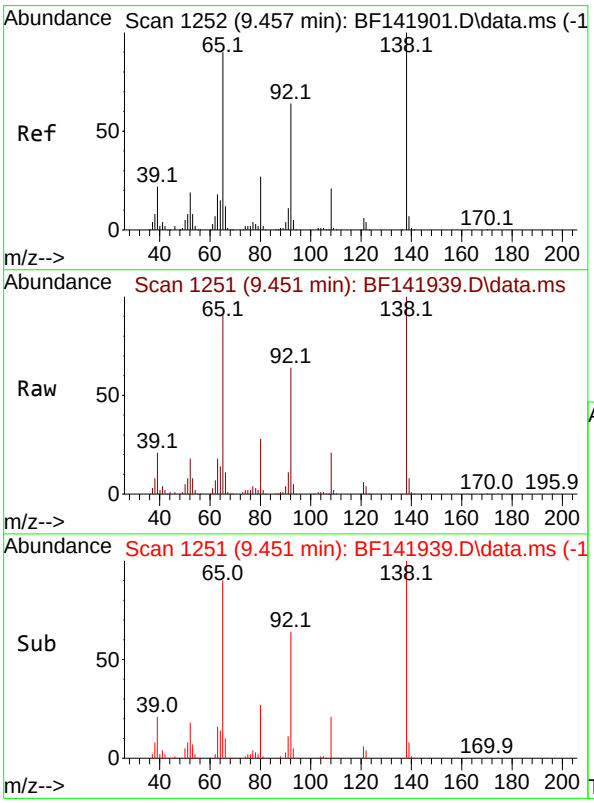

#47
2-Chloronaphthalene
Concen: 39.130 ng
RT: 9.357 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 946087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.4 | 35.5 | 53.3 |
| 164 | 33.0 | 26.6 | 40.0 |

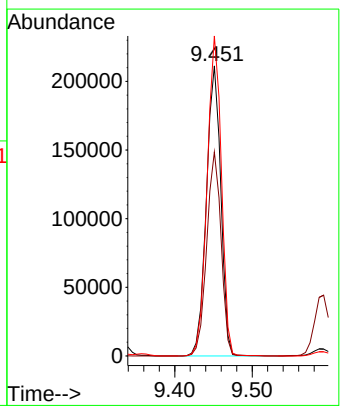


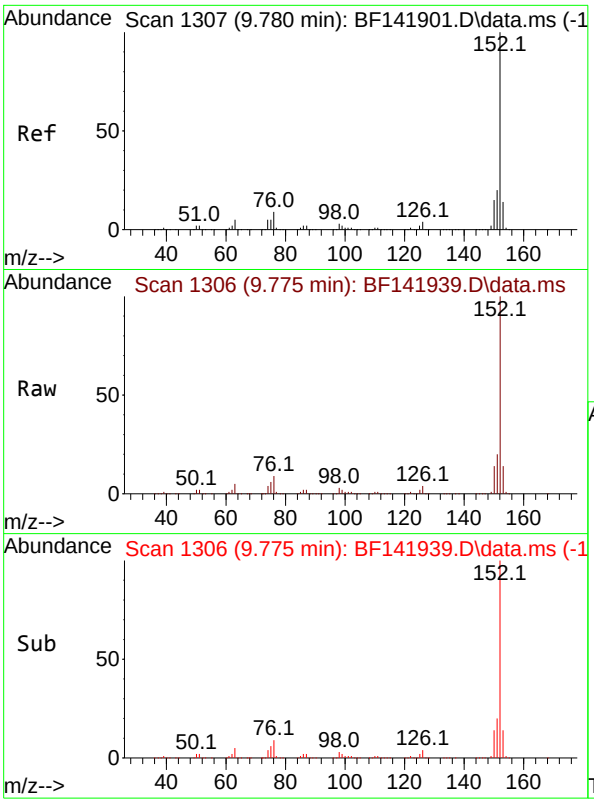




#48
2-Nitroaniline
Concen: 39.074 ng
RT: 9.451 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion: 65 Resp: 273545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 70.3 | 56.6 | 84.8 |
| 138 | 110.3 | 88.6 | 133.0 |



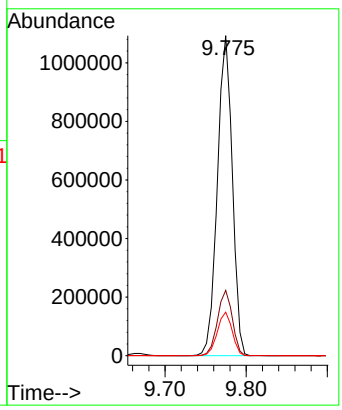


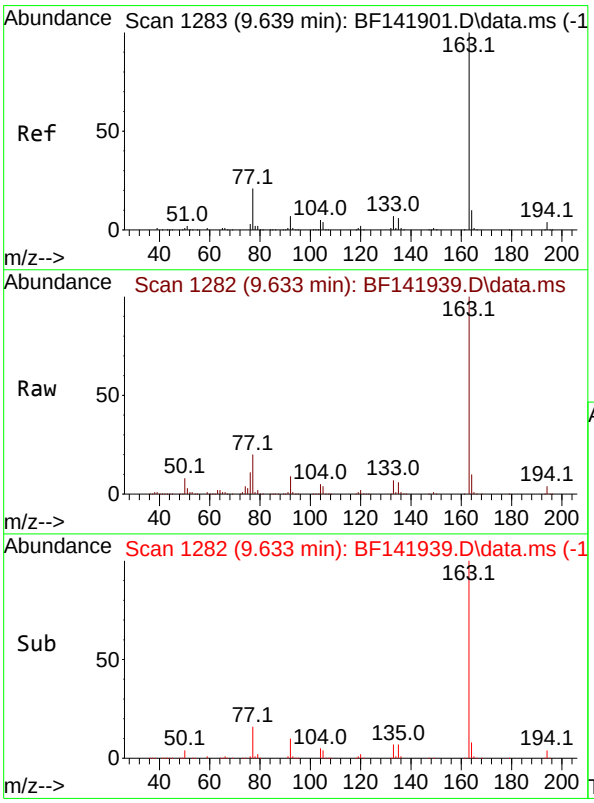

#49
Acenaphthylene
Concen: 39.005 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 1399495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.4 | 16.3 | 24.5 |
| 153 | 13.6 | 11.1 | 16.7 |

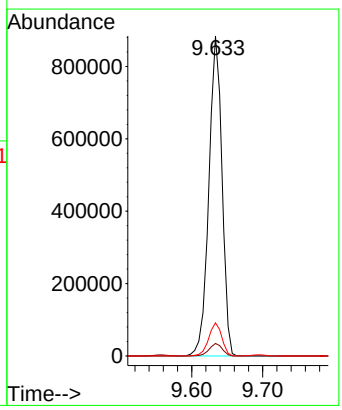


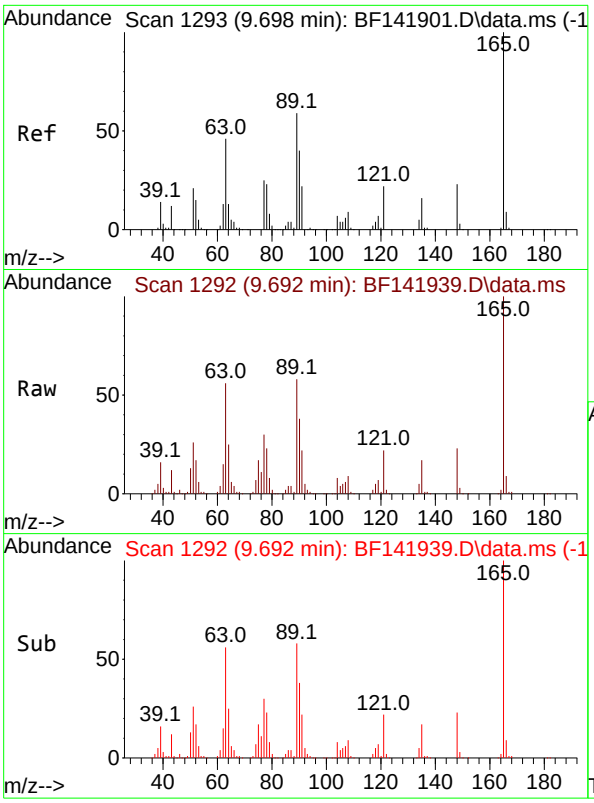




#50
Dimethylphthalate
Concen: 38.106 ng
RT: 9.633 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:163 Resp: 1139250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.1 | 4.7 |
| 164 | 10.4 | 8.2 | 12.4 |



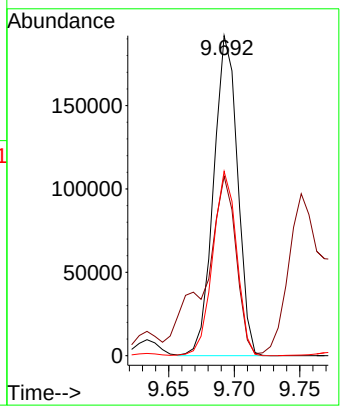


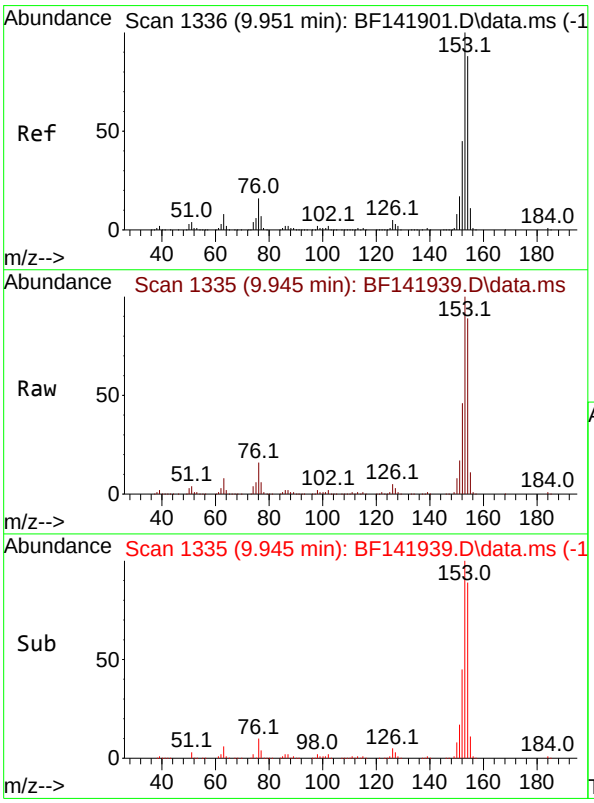

#51
2,6-Dinitrotoluene
Concen: 39.096 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 243366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 56.0 | 47.0 | 70.4 |
| 89 | 57.6 | 47.4 | 71.2 |

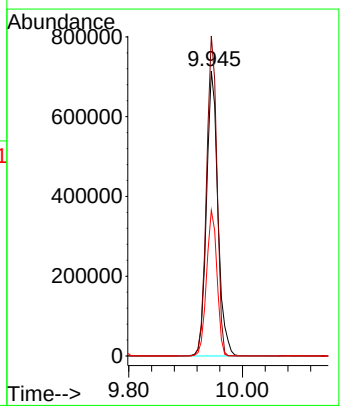


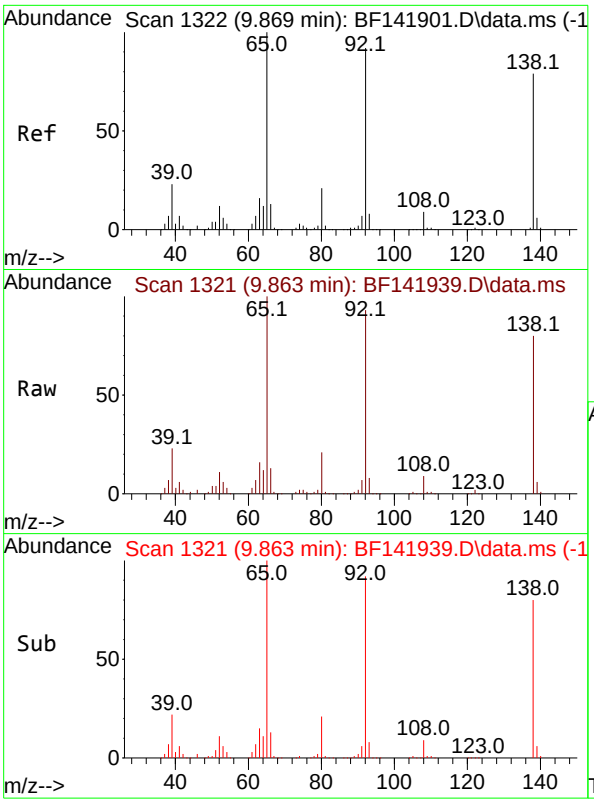




#52
Acenaphthene
Concen: 39.326 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:154 Resp: 991587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.3 | 90.7 | 136.1 |
| 152 | 51.1 | 41.1 | 61.7 |



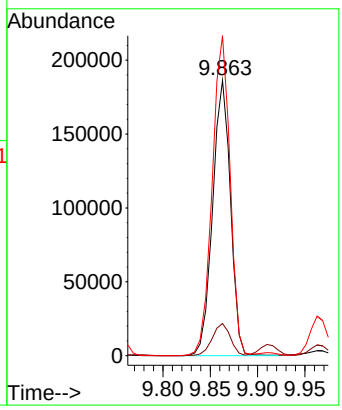


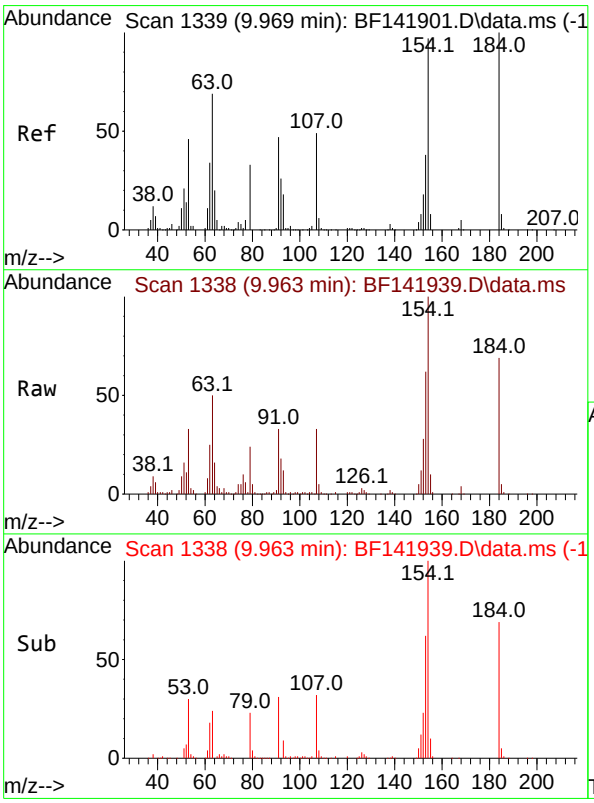

#53
3-Nitroaniline
Concen: 38.530 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:138 Resp: 243288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.7 | 9.3 | 13.9 |
| 92 | 116.2 | 93.5 | 140.3 |

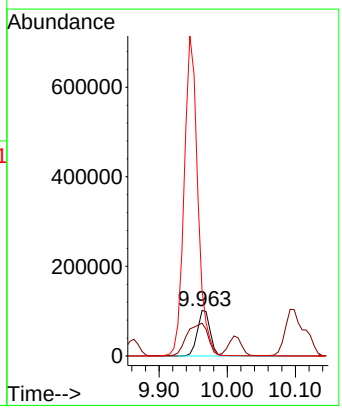


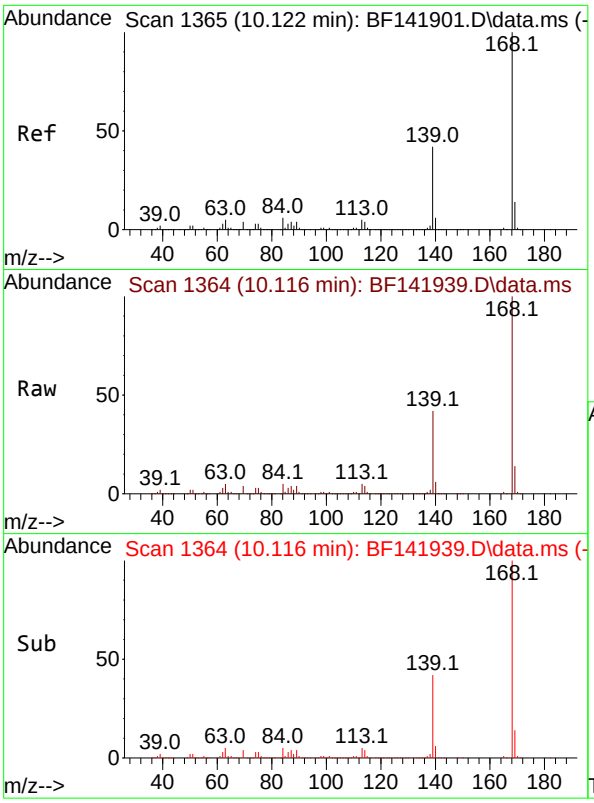




#54
2,4-Dinitrophenol
Concen: 41.009 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:184 Resp: 132695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 72.2 | 60.2 | 90.4 |
| 154 | 144.1 | 132.9 | 199.3 |



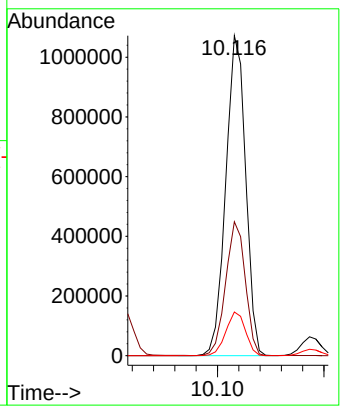


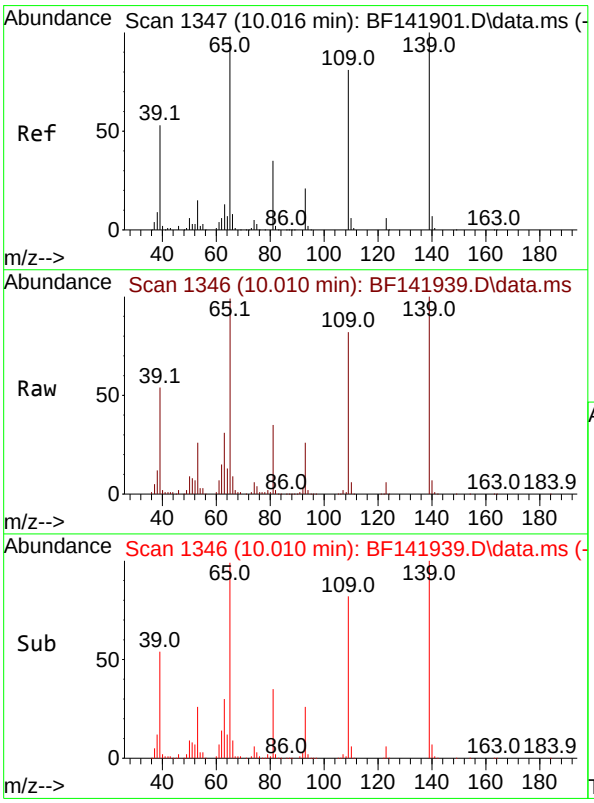

#55
Dibenzofuran
Concen: 38.554 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:168 Resp: 1389049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.9 | 33.9 | 50.9 |
| 169 | 13.7 | 11.0 | 16.4 |

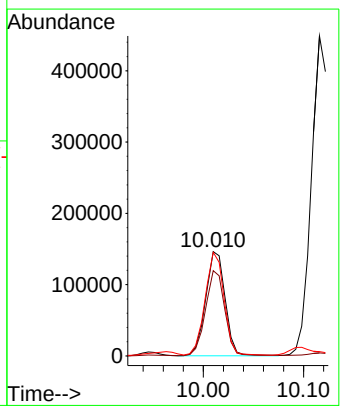


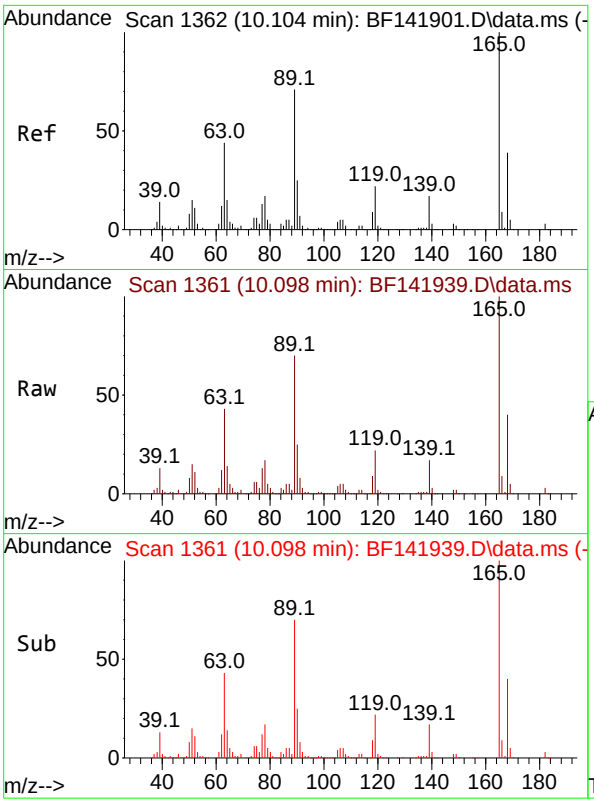




#56
4-Nitrophenol
Concen: 41.301 ng
RT: 10.010 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:139 Resp: 196664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 81.7 | 61.6 | 101.6 |
| 65 | 99.4 | 79.4 | 119.4 |



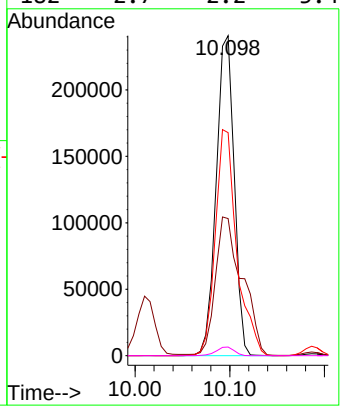


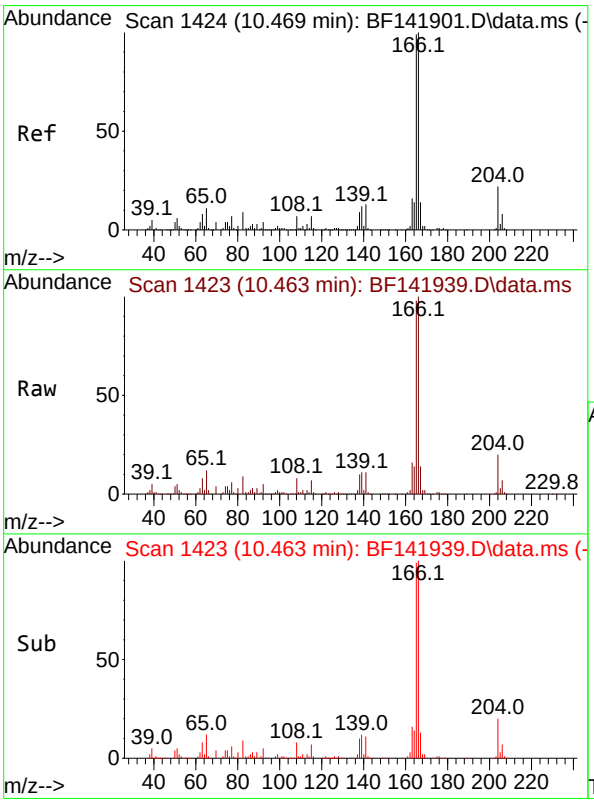

#57
2,4-Dinitrotoluene
Concen: 39.193 ng
RT: 10.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 318648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 42.8 | 35.4 | 53.2 |
| 89 | 69.7 | 56.6 | 84.8 |
| 182 | 2.7 | 2.2 | 3.4 |

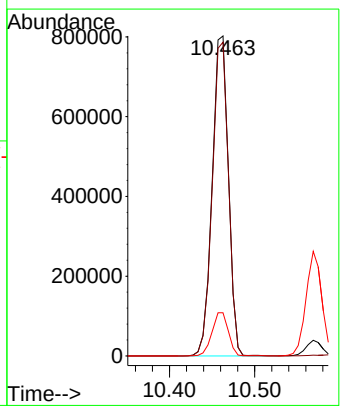


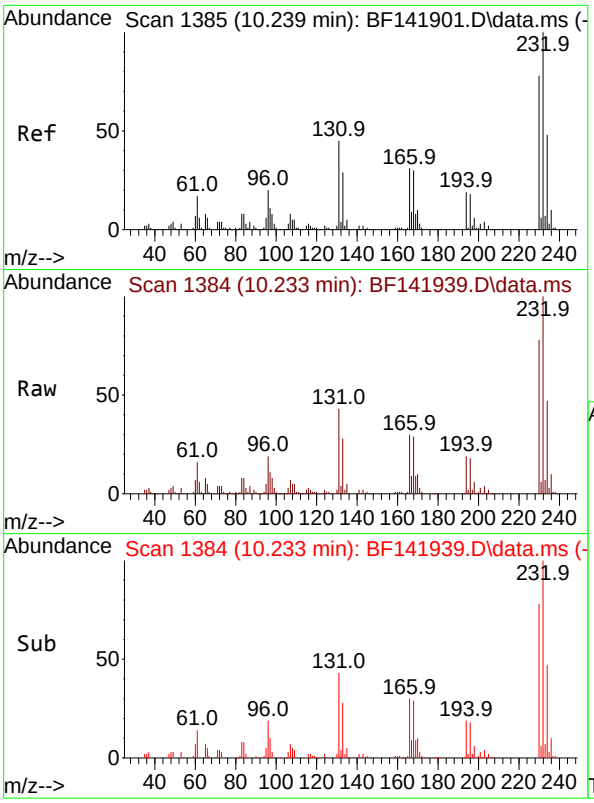




#58
Fluorene
Concen: 38.195 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:166 Resp: 1061221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.0 | 79.0 | 118.4 |
| 167 | 13.5 | 11.0 | 16.4 |



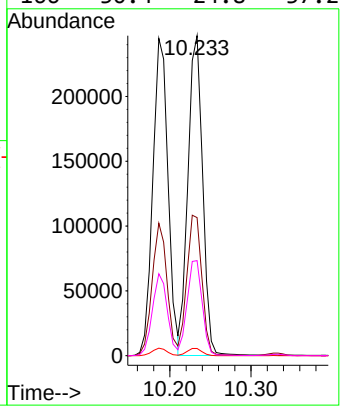


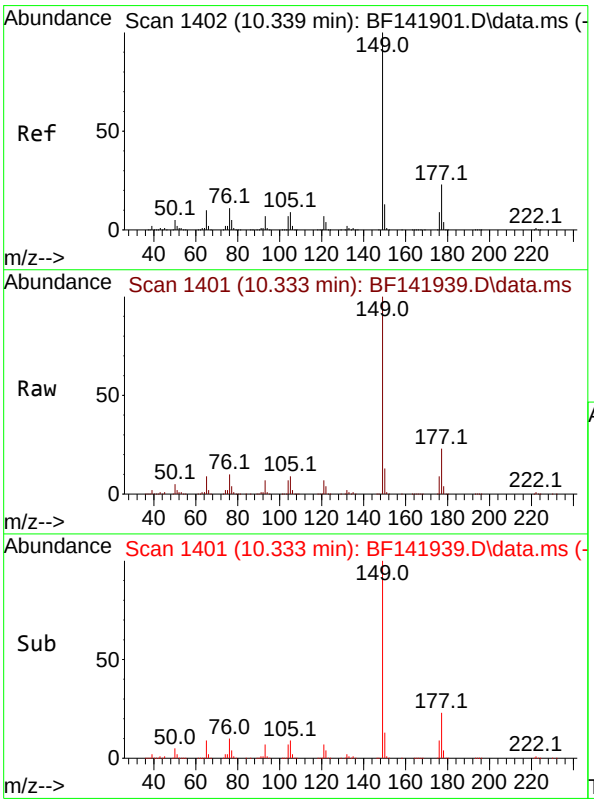

#59
2,3,4,6-Tetrachlorophenol
Concen: 39.708 ng
RT: 10.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:232 Resp: 310873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 44.6 | 37.3 | 55.9 |
| 130 | 2.3 | 1.9 | 2.9 |
| 166 | 30.4 | 24.8 | 37.2 |

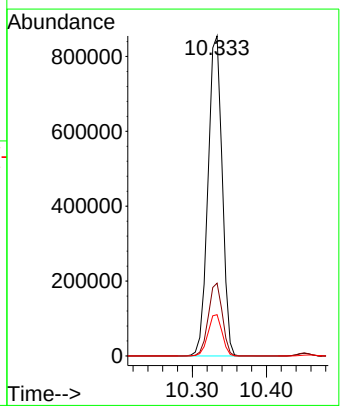


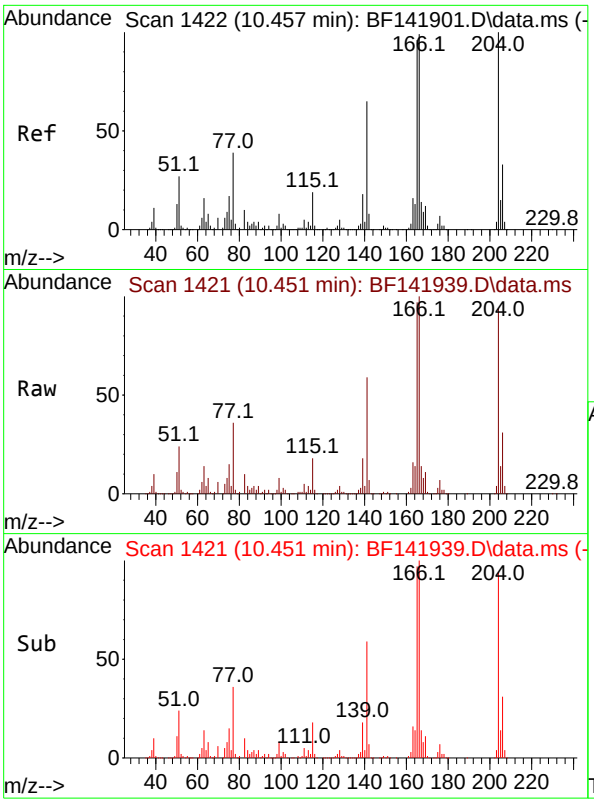




#60
Diethylphthalate
Concen: 38.044 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:149 Resp: 1134119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.7 | 18.0 | 27.0 |
| 150 | 12.9 | 10.2 | 15.4 |



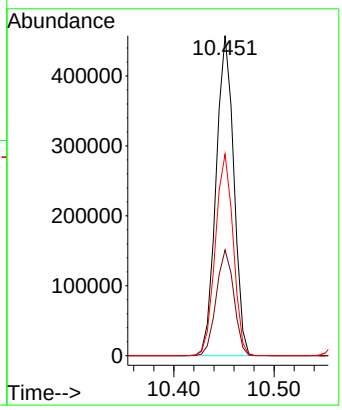


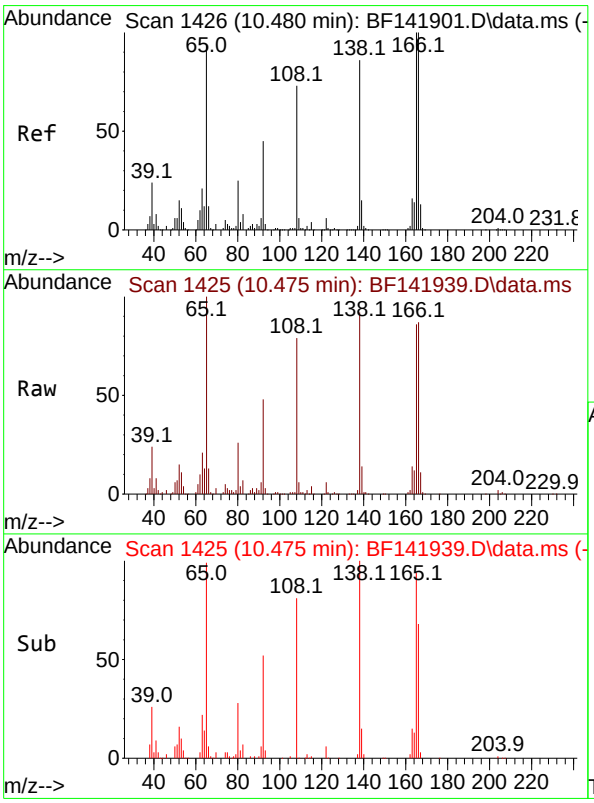

#61
4-Chlorophenyl-phenylether
Concen: 38.646 ng
RT: 10.451 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:204 Resp: 559798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.0 | 26.8 | 40.2 |
| 141 | 63.0 | 52.4 | 78.6 |

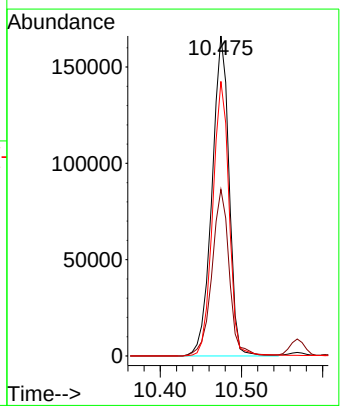


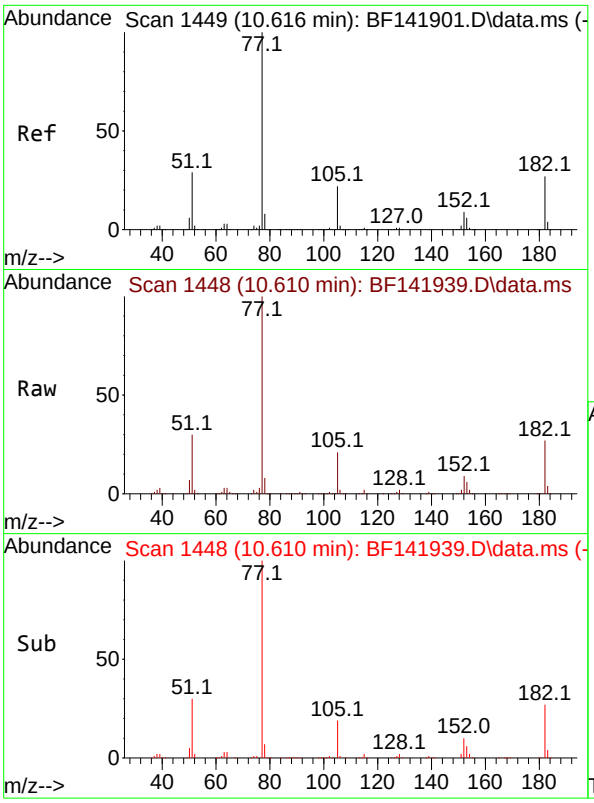




#62
4-Nitroaniline
Concen: 39.528 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:138 Resp: 242993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 52.1 | 32.6 | 72.6 |
| 108 | 85.8 | 65.0 | 105.0 |



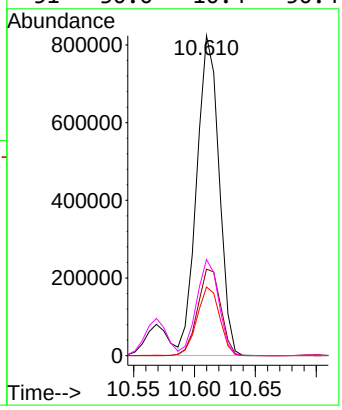


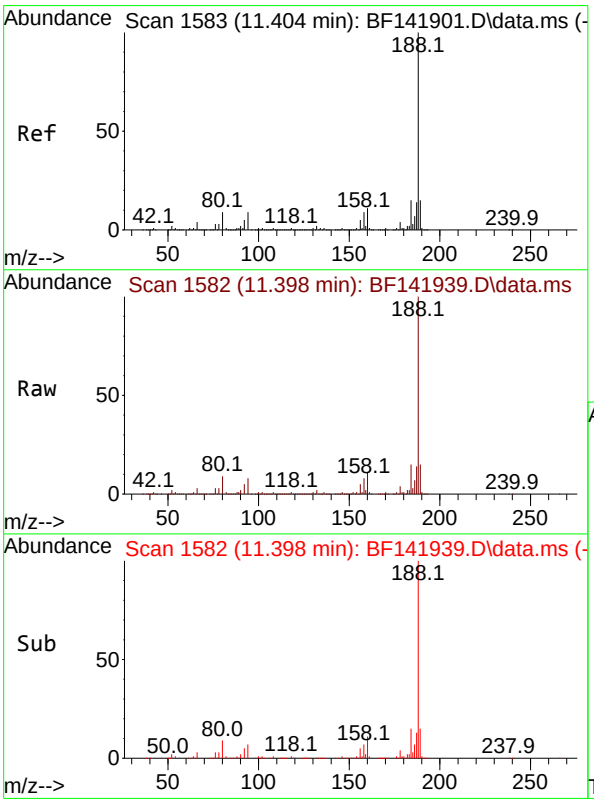

#63
Azobenzene
Concen: 37.888 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 1050098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 27.1 | 6.6 | 46.6 |
| 105 | 21.4 | 1.3 | 41.3 |
| 51 | 30.0 | 10.4 | 50.4 |

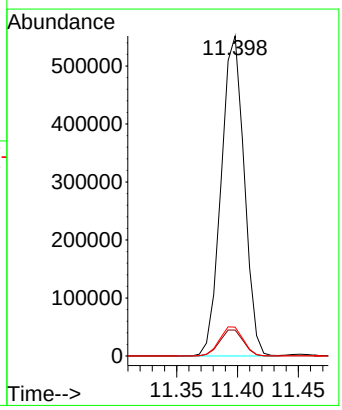


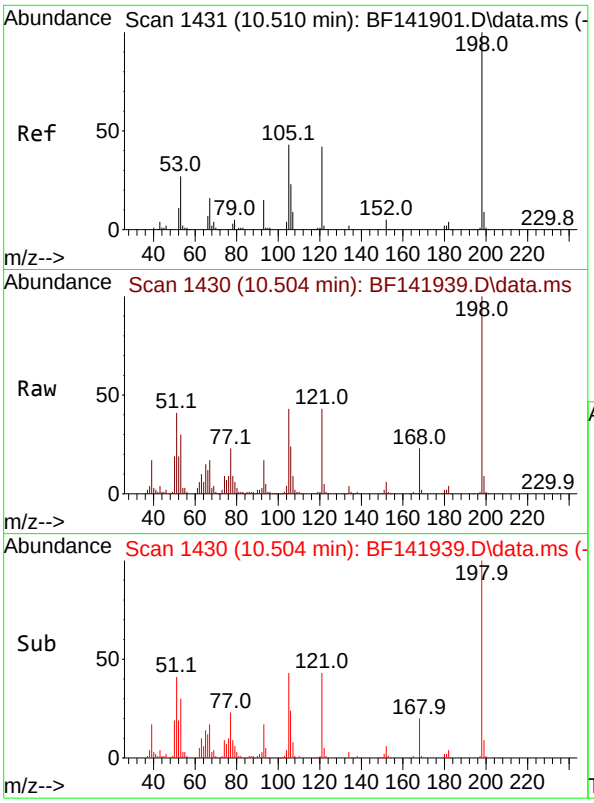




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:188 Resp: 726402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.1 | 6.8 | 10.2 |
| 80 | 9.0 | 7.6 | 11.4 |



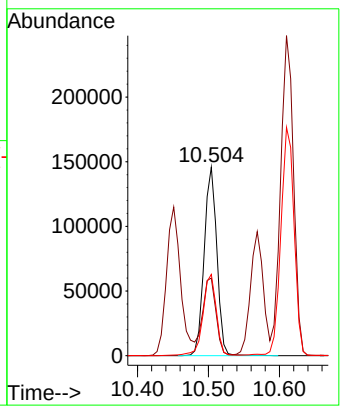


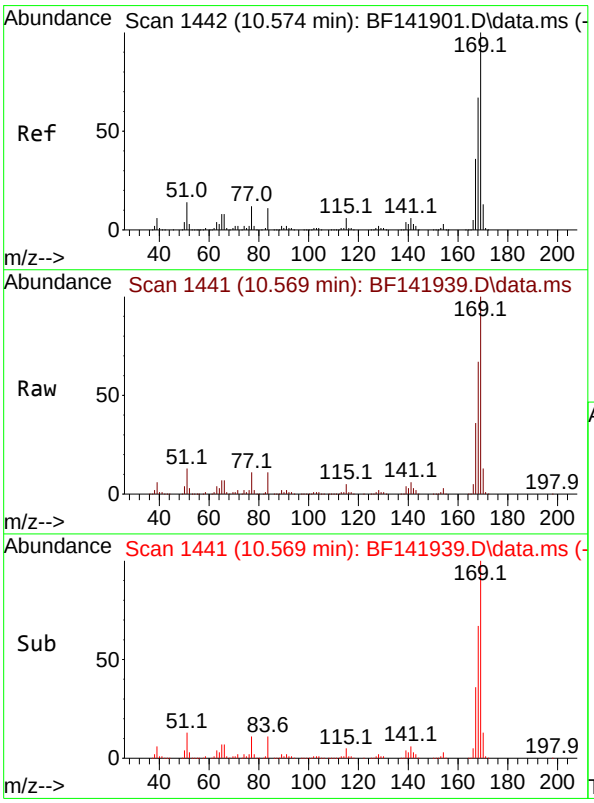

#65
4,6-Dinitro-2-methylphenol
Concen: 41.862 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:198 Resp: 181277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 41.2 | 22.3 | 62.3 |
| 105 | 43.1 | 23.0 | 63.0 |

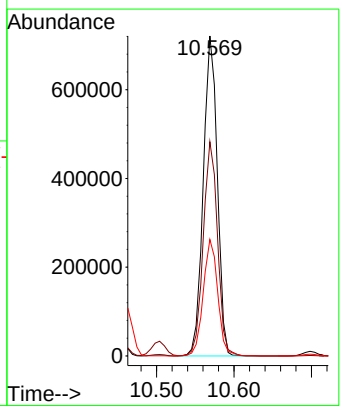


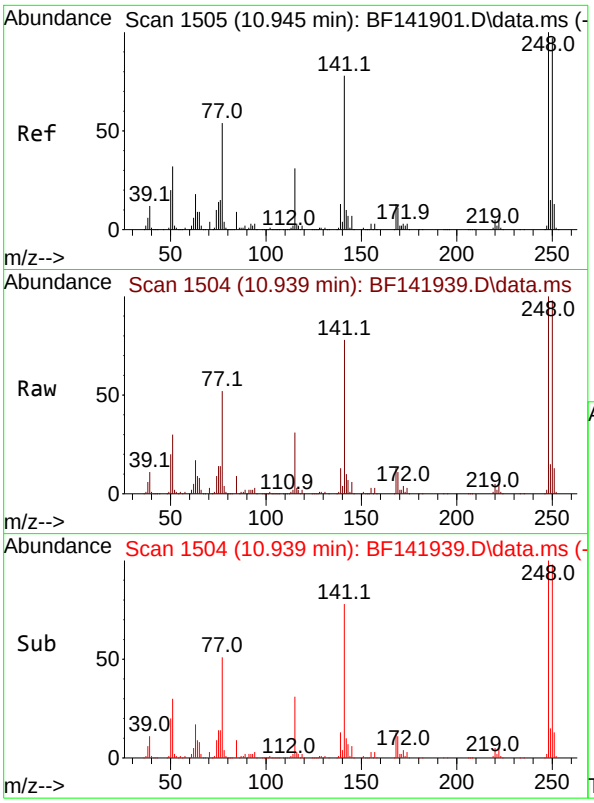




#66
n-Nitrosodiphenylamine
Concen: 38.576 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:169 Resp: 906795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.9 | 53.7 | 80.5 |
| 167 | 36.4 | 29.2 | 43.8 |



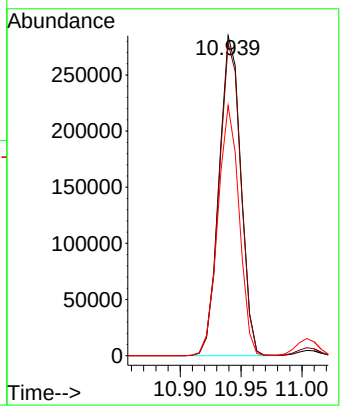


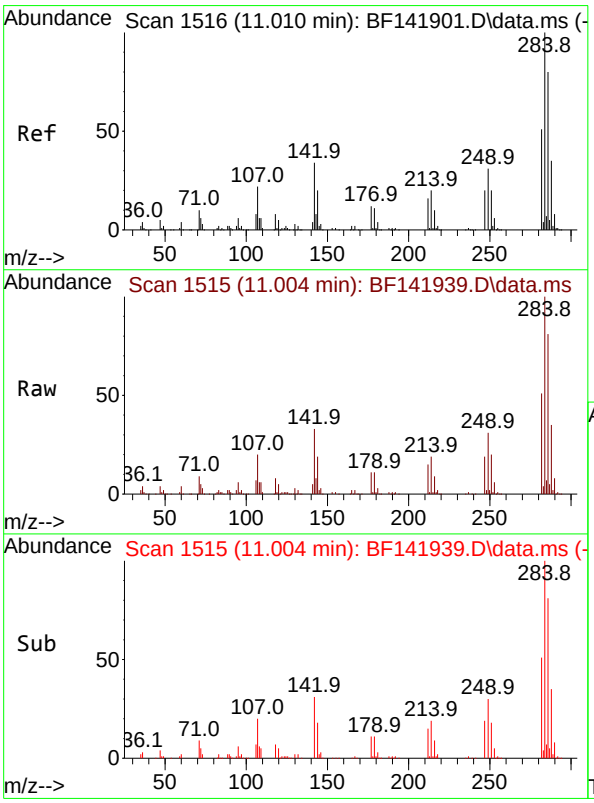

#67
4-Bromophenyl-phenylether
Concen: 38.946 ng
RT: 10.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:248 Resp: 355291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.6 | 77.8 | 116.8 |
| 141 | 78.1 | 62.6 | 93.8 |

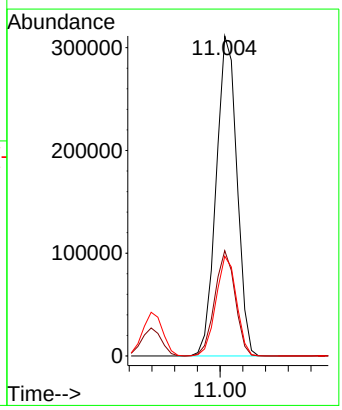


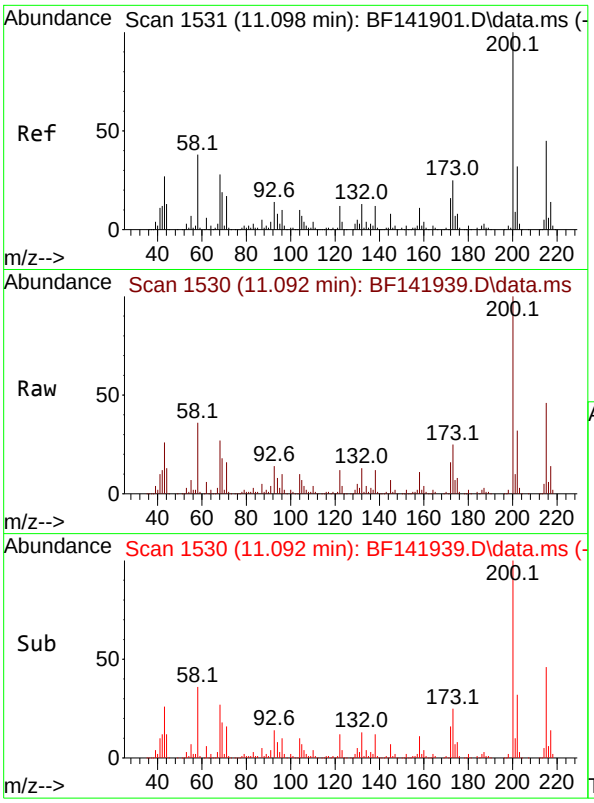




#68
Hexachlorobenzene
Concen: 39.530 ng
RT: 11.004 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:284 Resp: 395519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 32.9 | 27.0 | 40.6 |
| 249 | 31.1 | 25.2 | 37.8 |



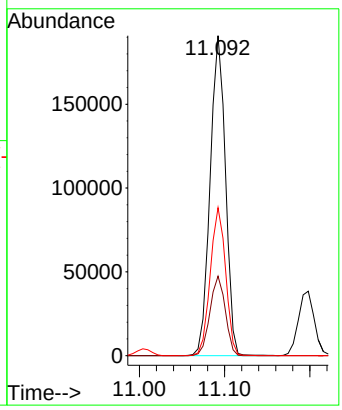


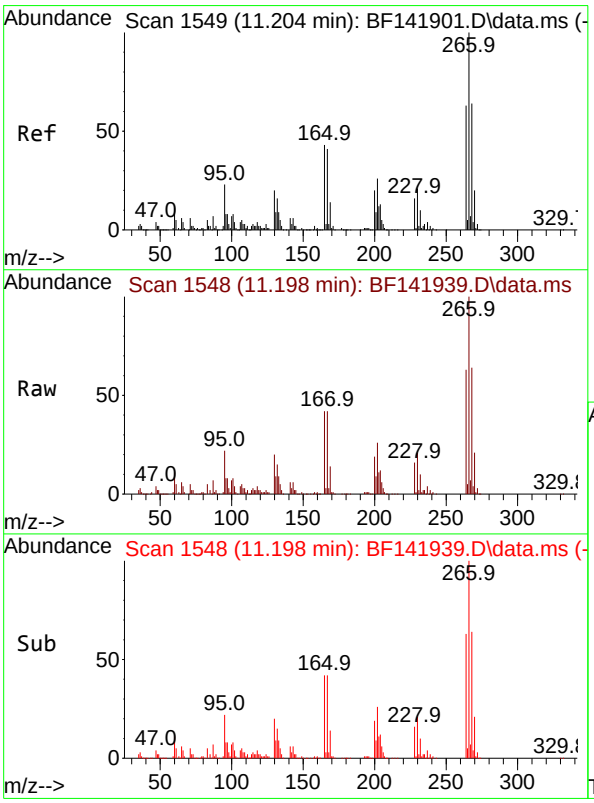

#69
Atrazine
Concen: 33.164 ng
RT: 11.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:200 Resp: 238990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 24.9 | 4.7 | 44.7 |
| 215 | 46.2 | 25.4 | 65.4 |

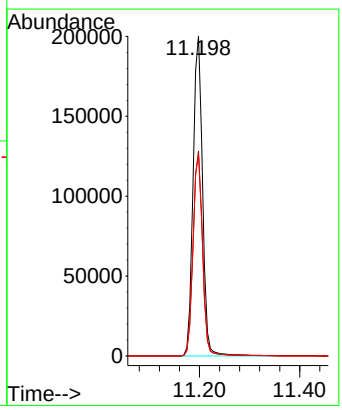


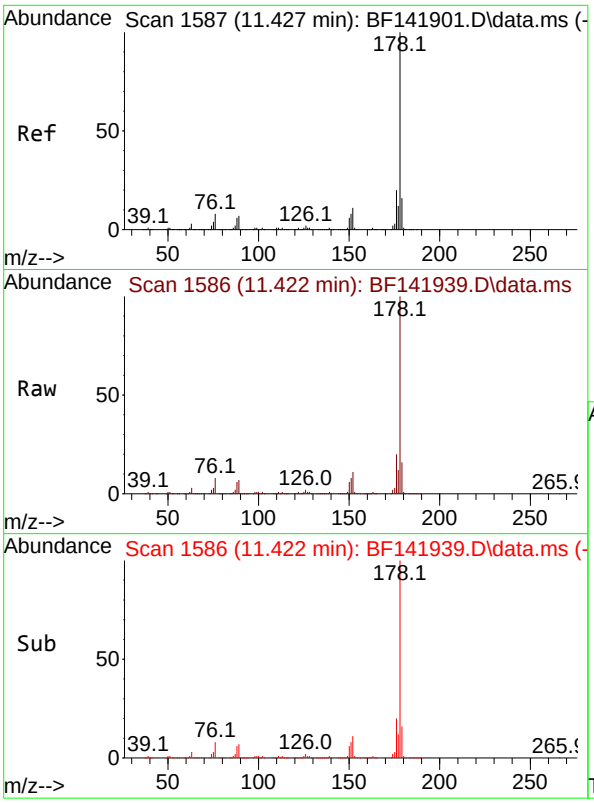




#70
Pentachlorophenol
Concen: 42.480 ng
RT: 11.198 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:266 Resp: 261878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.0 | 51.0 | 76.6 |
| 264 | 63.0 | 50.2 | 75.2 |



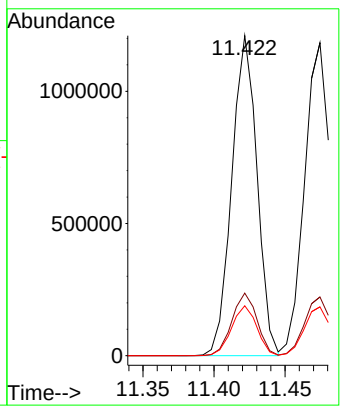


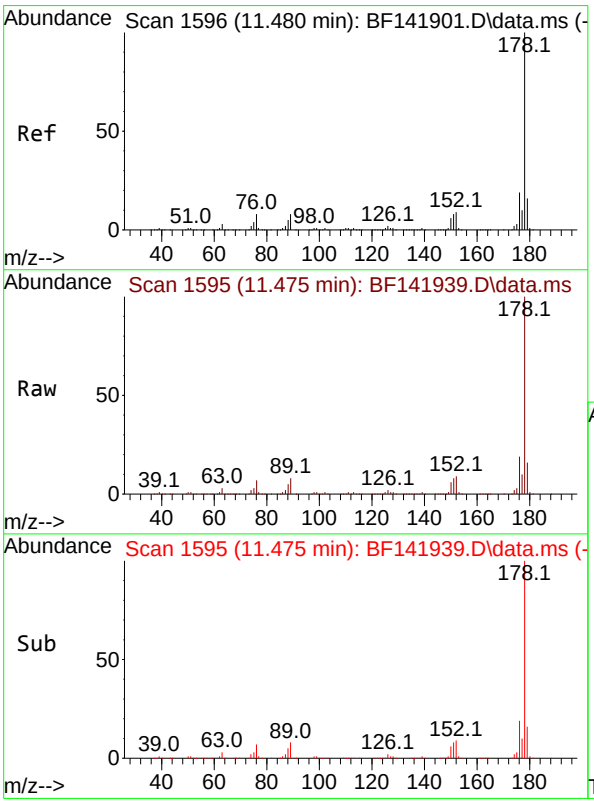

#71
Phenanthrene
Concen: 38.274 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:178 Resp: 1501673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 15.8 | 23.8 |
| 179 | 15.6 | 12.6 | 19.0 |

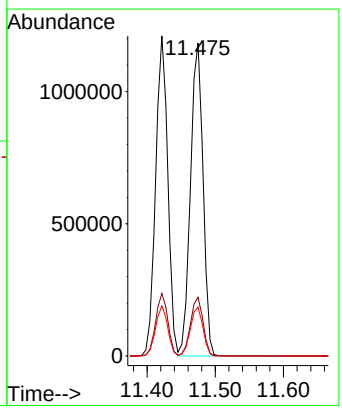


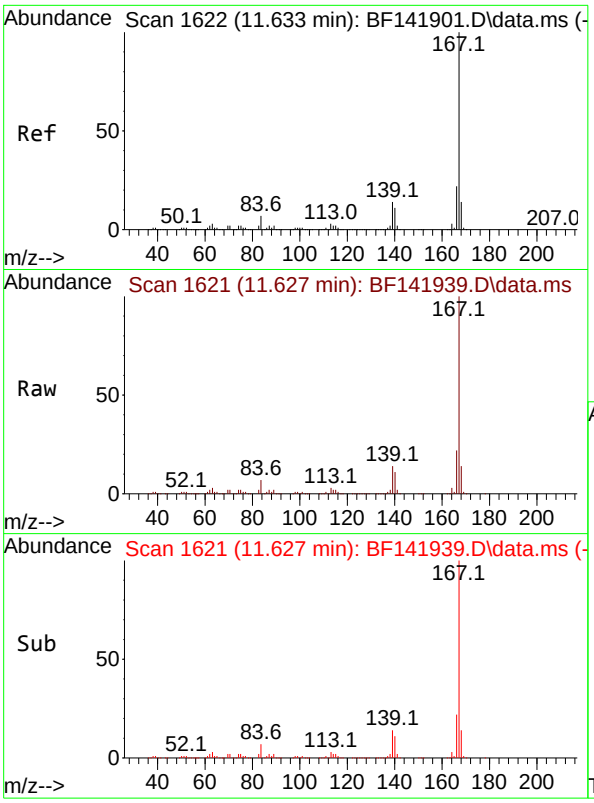




#72
Anthracene
Concen: 38.288 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:178 Resp: 1507154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.1 | 22.7 |
| 179 | 15.6 | 12.6 | 19.0 |



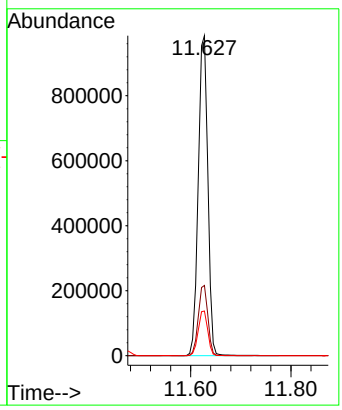


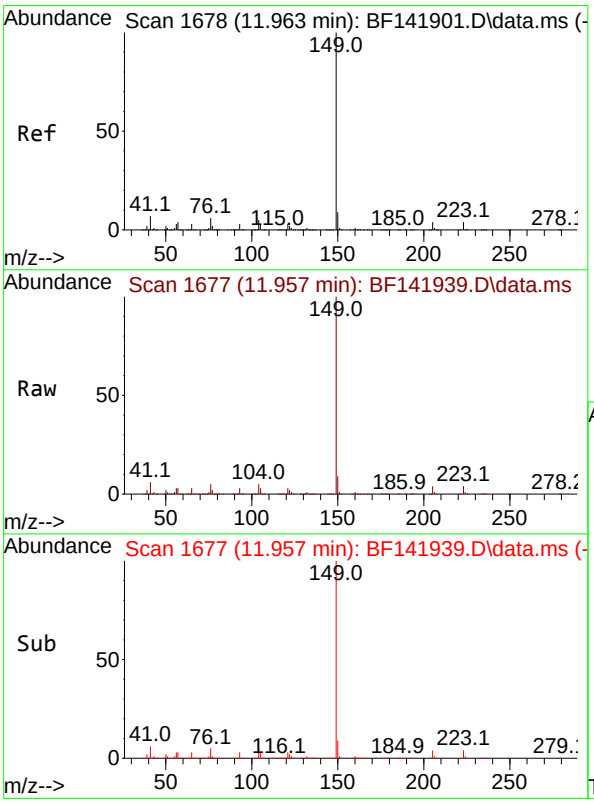

#73
Carbazole
Concen: 38.363 ng
RT: 11.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:167 Resp: 1302310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.0 | 17.4 | 26.2 |
| 139 | 14.0 | 11.0 | 16.6 |

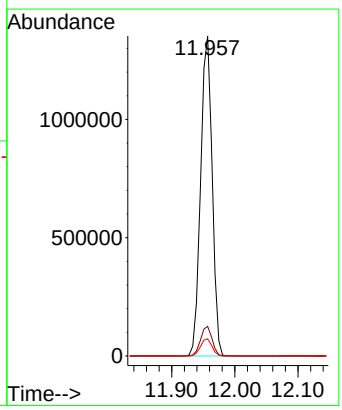


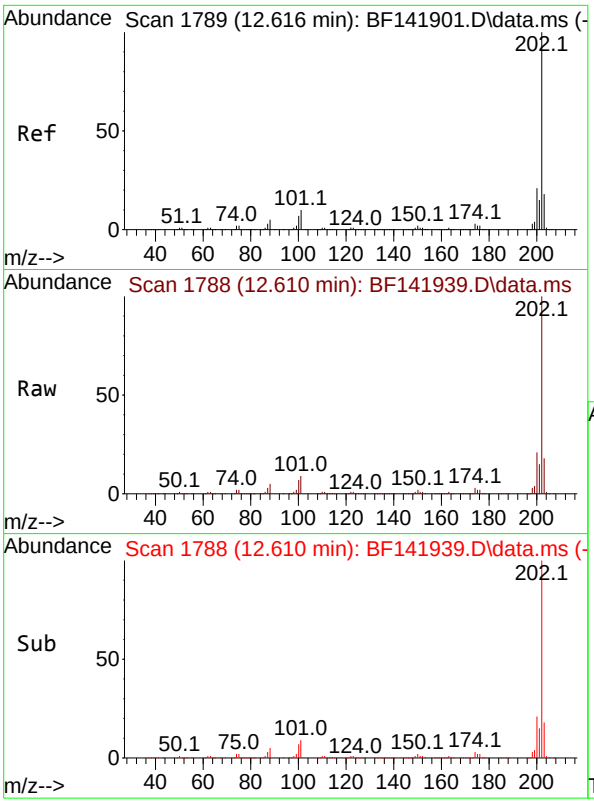




#74
Di-n-butylphthalate
Concen: 37.983 ng
RT: 11.957 min Scan# 1677
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:149 Resp: 1710894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.2 | 7.6 | 11.4 |
| 104 | 5.3 | 4.4 | 6.6 |



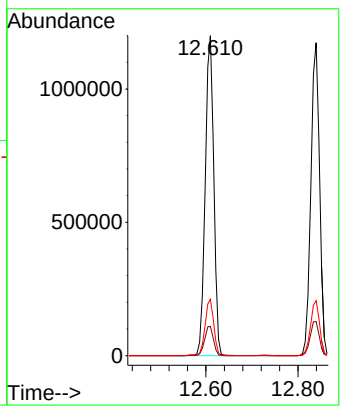


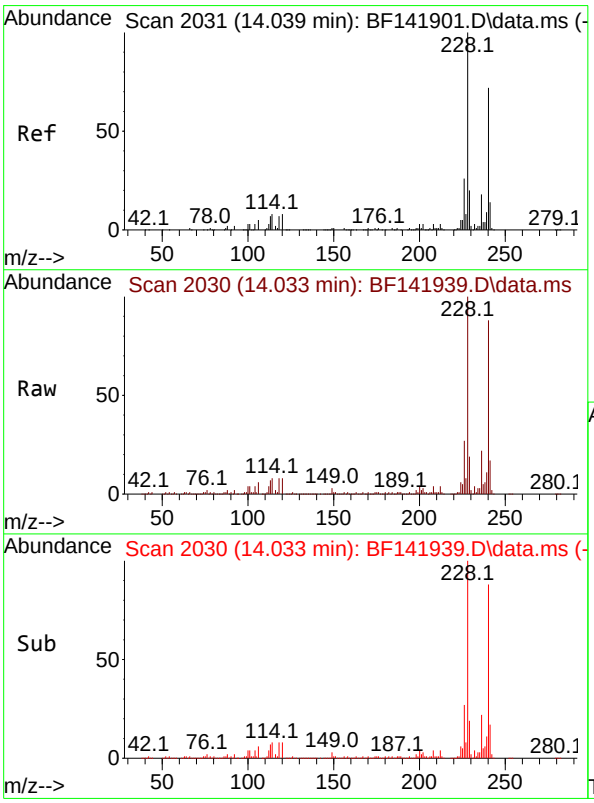

#75
Fluoranthene
Concen: 37.478 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:202 Resp: 1559838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.1 | 0.0 | 29.7 |
| 203 | 17.6 | 0.0 | 37.8 |

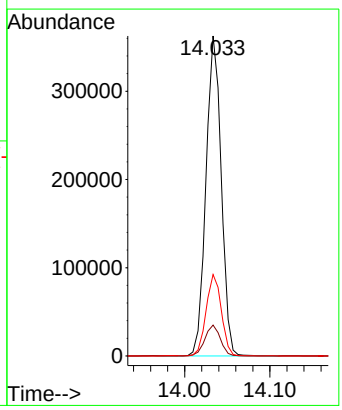


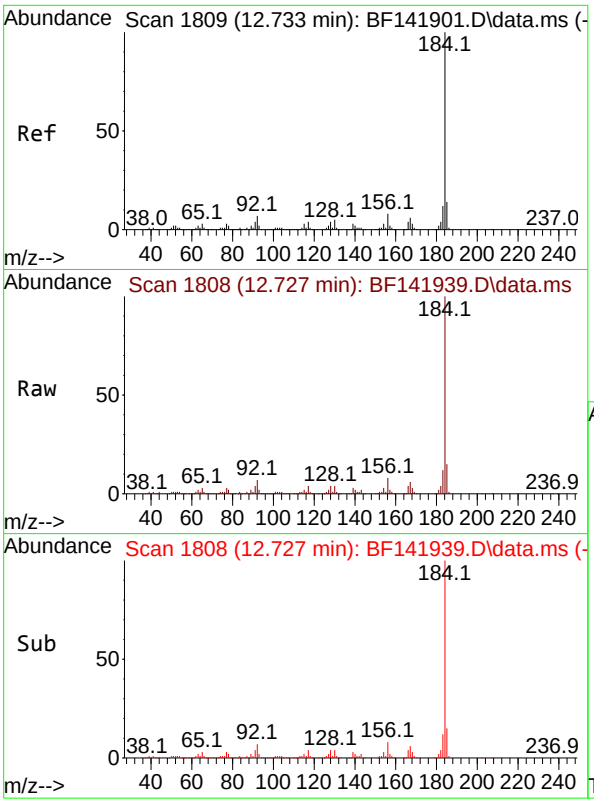




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:240 Resp: 451214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.6 | 8.4 | 12.6 |
| 236 | 25.4 | 20.5 | 30.7 |



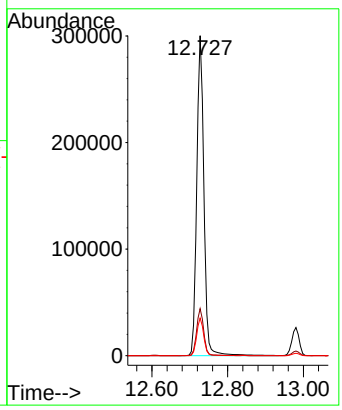


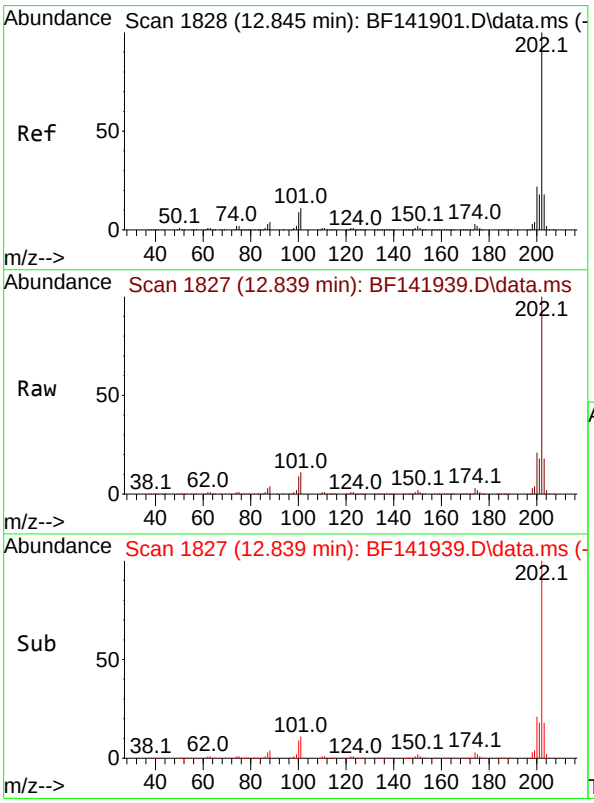

#77
Benzidine
Concen: 63.130 ng
RT: 12.727 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:184 Resp: 397420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.7 | 11.5 | 17.3 |
| 183 | 11.8 | 9.7 | 14.5 |

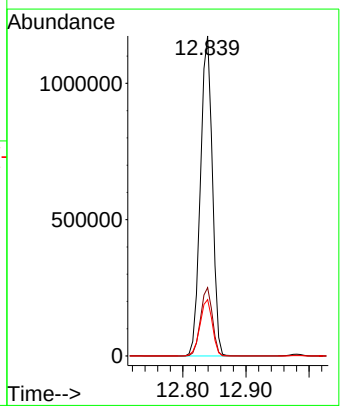


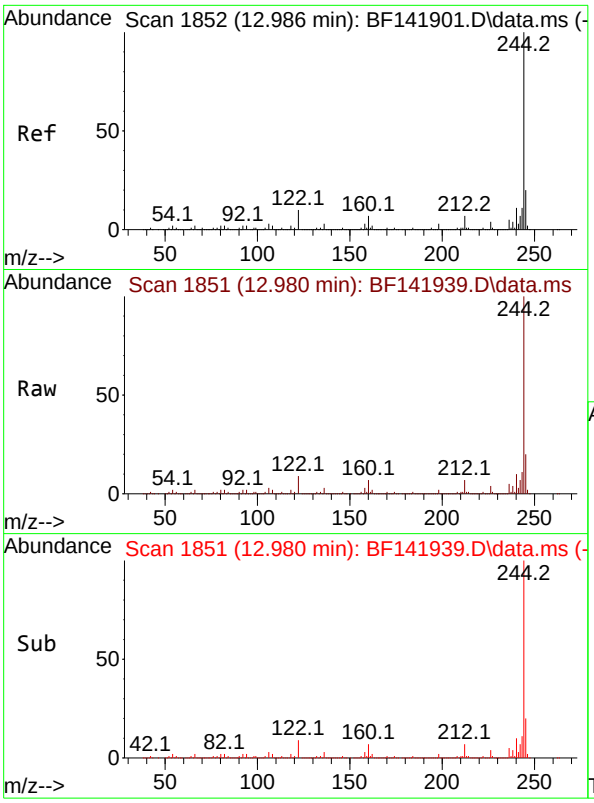




#78
Pyrene
Concen: 39.368 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:202 Resp: 1536542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.3 | 17.3 | 25.9 |
| 203 | 17.6 | 14.4 | 21.6 |



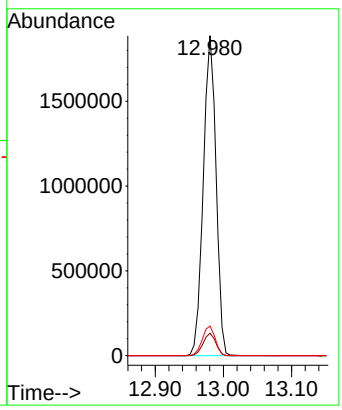


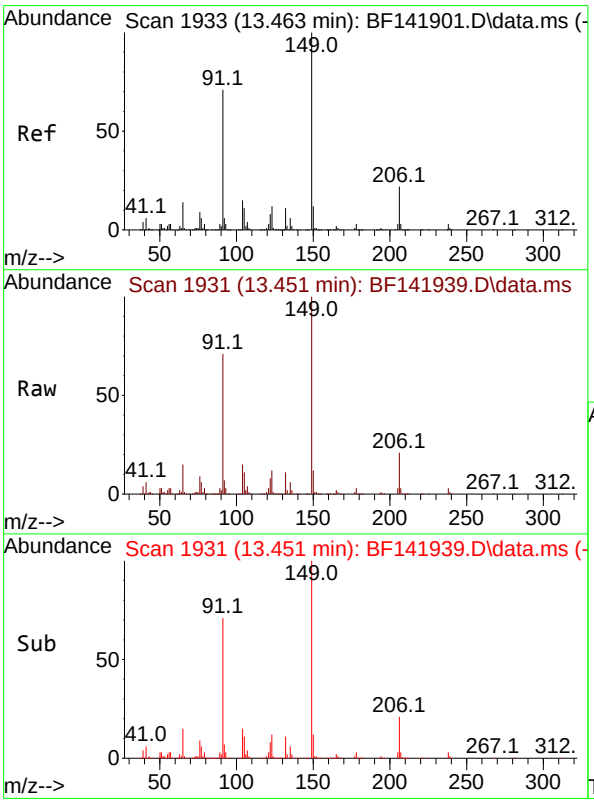

#79
Terphenyl-d14
Concen: 80.485 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:244 Resp: 2456339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 6.0 | 9.0 |
| 122 | 9.2 | 7.7 | 11.5 |

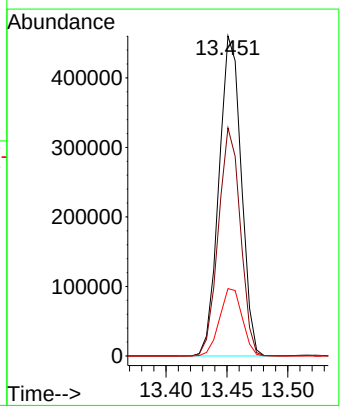


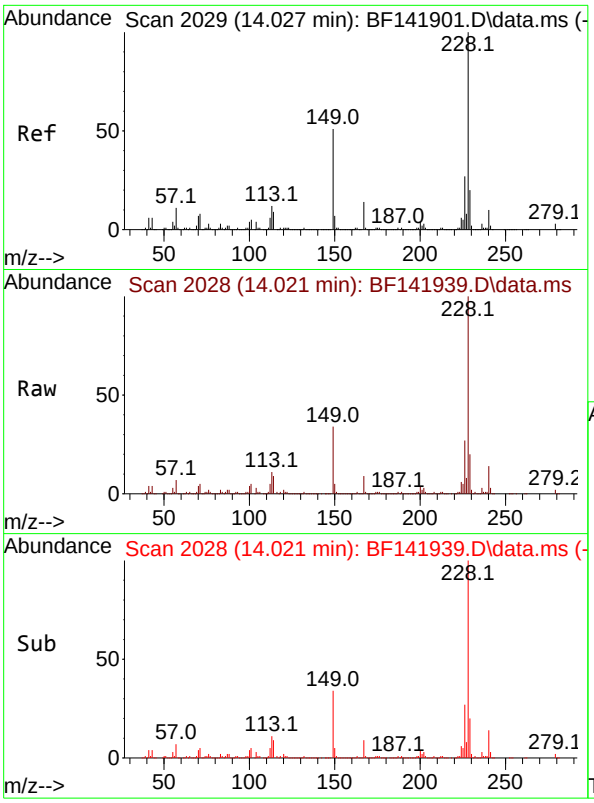




#80
Butylbenzylphthalate
Concen: 38.339 ng
RT: 13.451 min Scan# 1931
Delta R.T. -0.012 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:149 Resp: 585688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 71.3 | 56.5 | 84.7 |
| 206 | 21.0 | 17.3 | 25.9 |



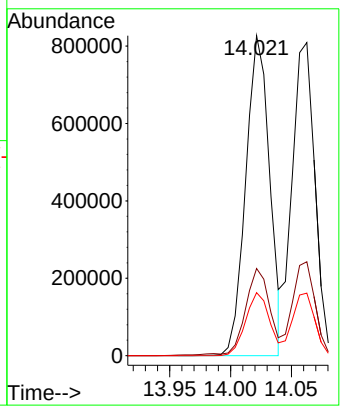


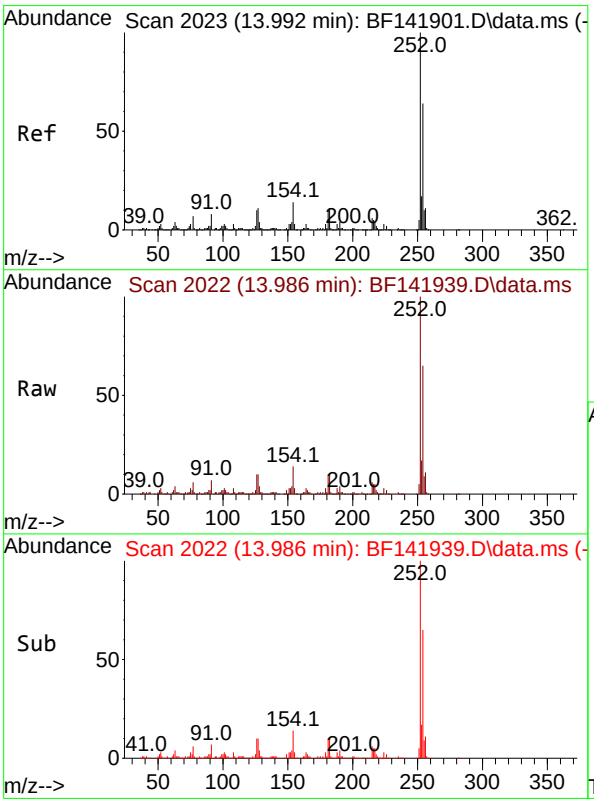

#81
Benzo(a)anthracene
Concen: 38.137 ng
RT: 14.021 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 1129185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.2 | 21.8 | 32.8 |
| 229 | 19.7 | 16.0 | 24.0 |

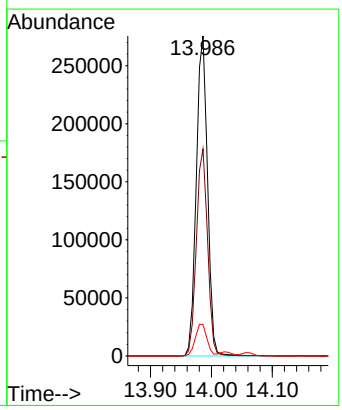


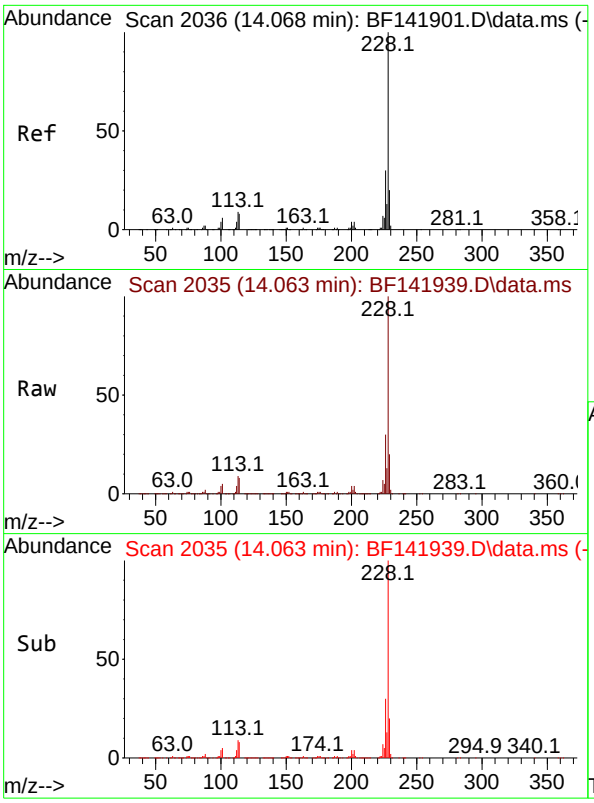




#82
3,3'-Dichlorobenzidine
Concen: 41.361 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:252 Resp: 353908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.7 | 51.0 | 76.6 |
| 126 | 9.8 | 8.4 | 12.6 |



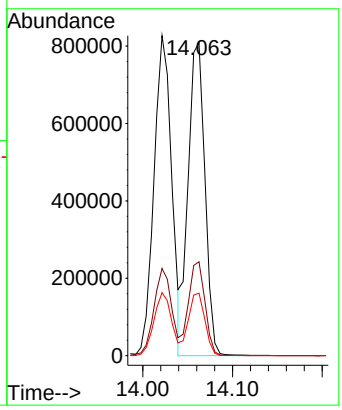


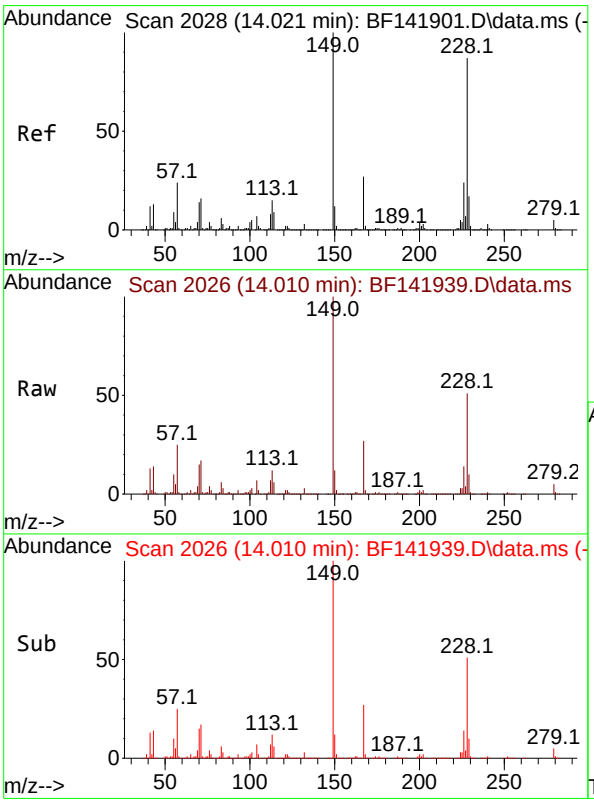

#83
Chrysene
Concen: 39.214 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 1052493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.0 | 24.1 | 36.1 |
| 229 | 20.0 | 15.7 | 23.5 |

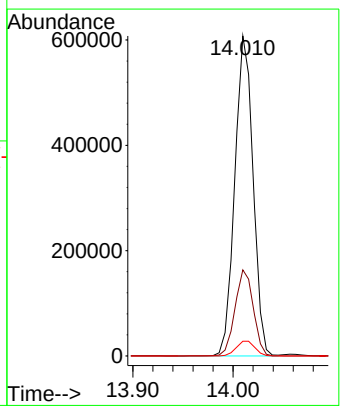


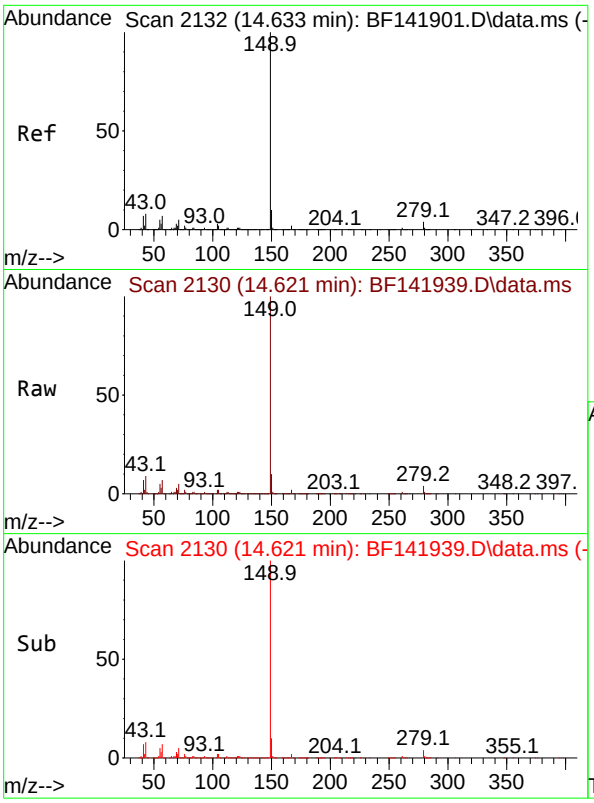




#84
Bis(2-ethylhexyl)phthalate
Concen: 36.599 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:149 Resp: 770893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.9 | 21.4 | 32.0 |
| 279 | 4.6 | 3.8 | 5.6 |



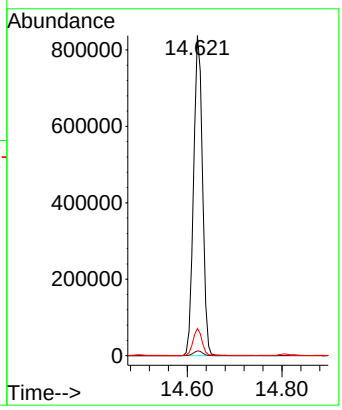


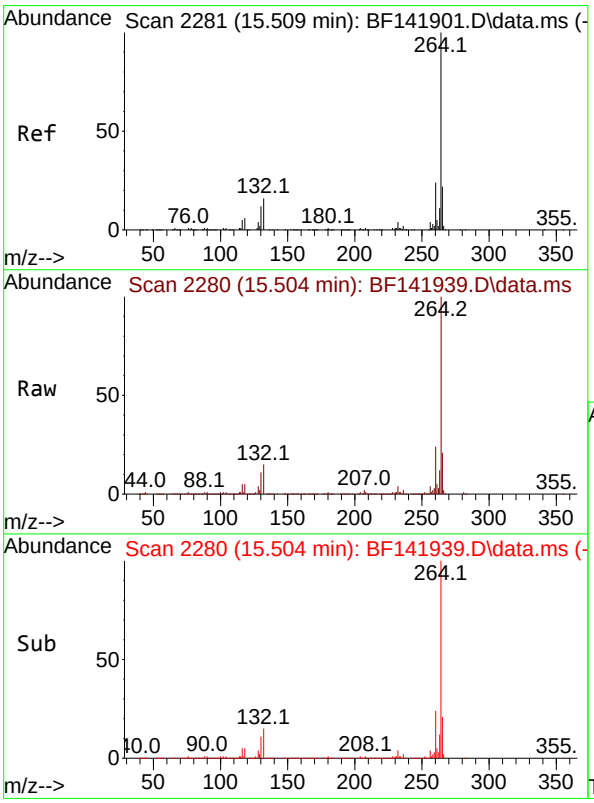

#85
Di-n-octyl phthalate
Concen: 37.251 ng
RT: 14.621 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:149 Resp: 1091714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 8.4 | 6.9 | 10.3 |

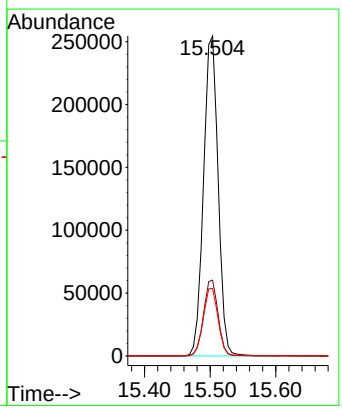


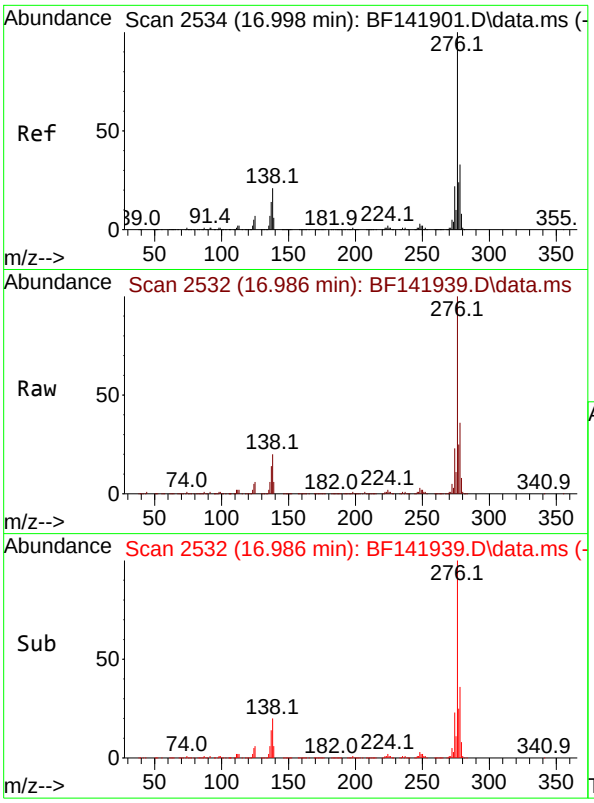




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:264 Resp: 394917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.7 | 19.1 | 28.7 |
| 265 | 21.1 | 17.5 | 26.3 |



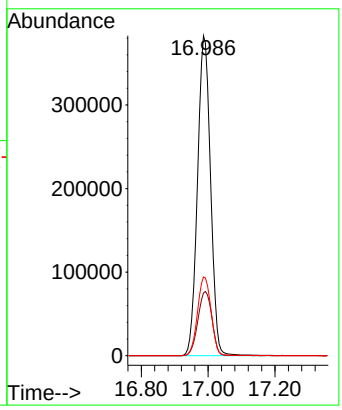


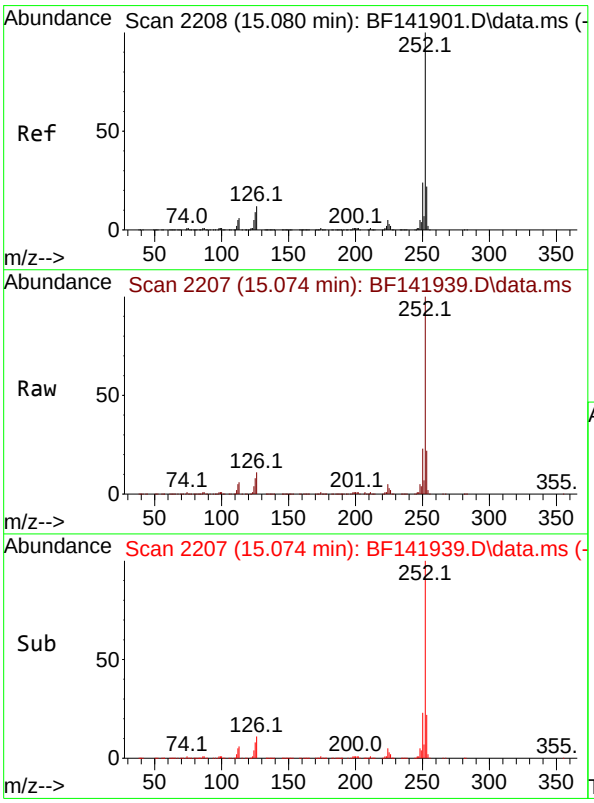

#87
Indeno(1,2,3-cd)pyrene
Concen: 40.580 ng
RT: 16.986 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:276 Resp: 1036676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.6 | 18.4 | 27.6 |
| 277 | 25.5 | 20.3 | 30.5 |

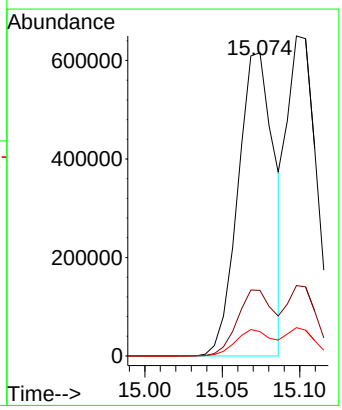


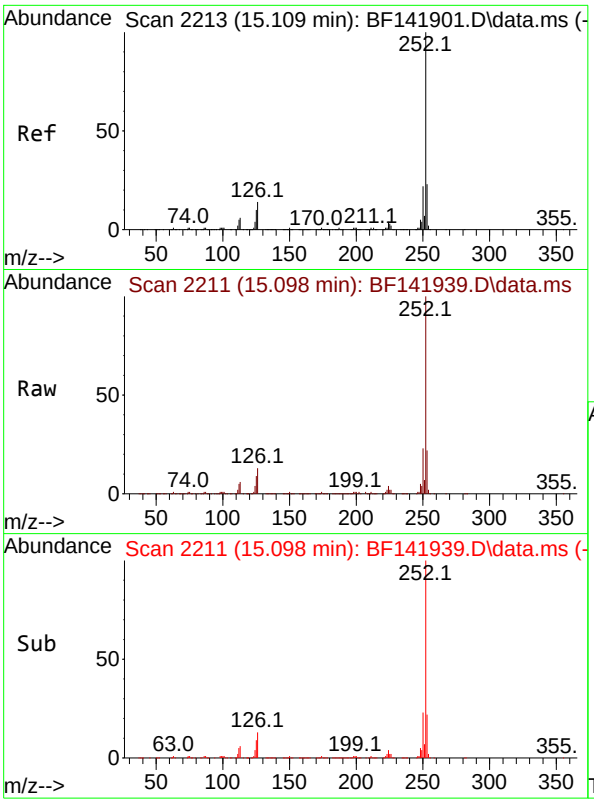




#88
Benzo(b)fluoranthene
Concen: 36.786 ng
RT: 15.074 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:252 Resp: 995633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.5 | 26.3 |
| 125 | 8.0 | 7.0 | 10.4 |



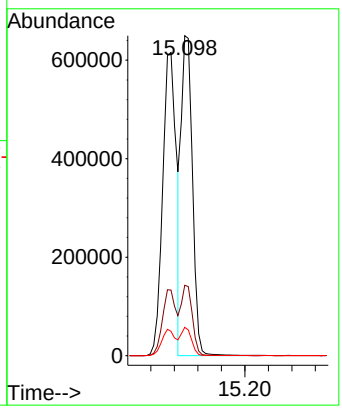


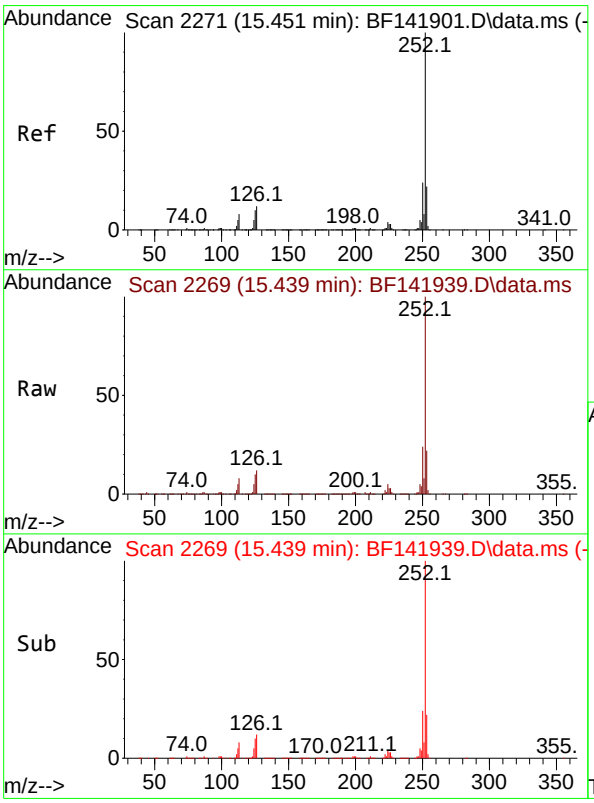

#89
Benzo(k)fluoranthene
Concen: 37.223 ng
RT: 15.098 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:252 Resp: 862161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.7 | 26.5 |
| 125 | 8.8 | 7.2 | 10.8 |

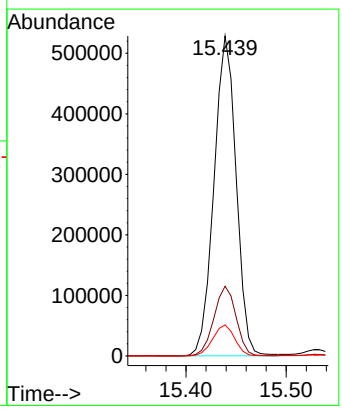


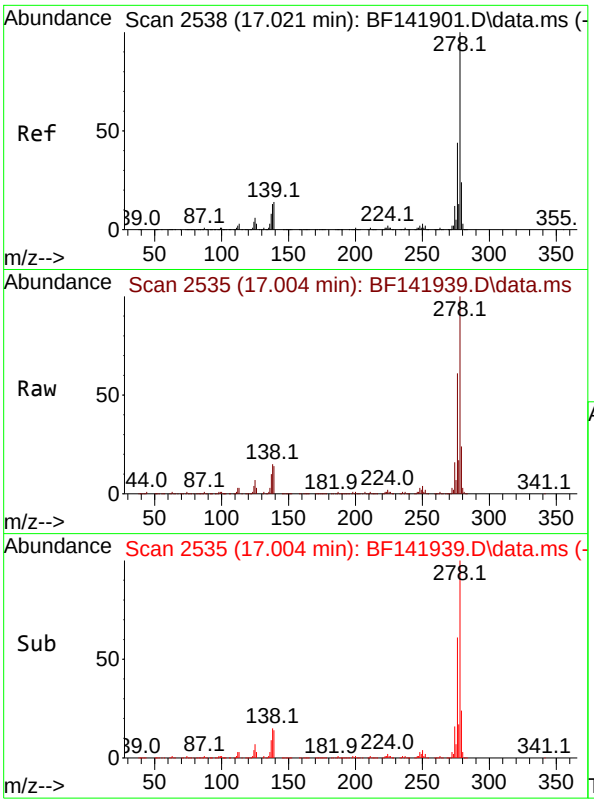




#90
Benzo(a)pyrene
Concen: 38.240 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.012 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:252 Resp: 809840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.4 | 26.0 |
| 125 | 9.7 | 7.8 | 11.8 |



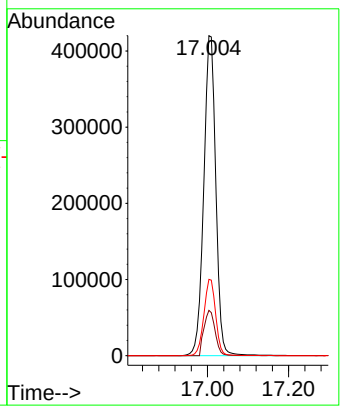


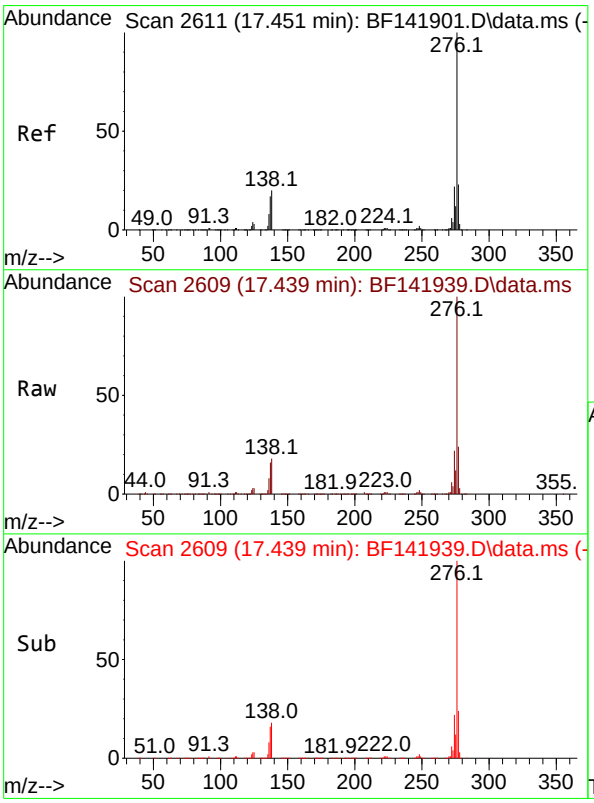

#91
Dibenzo(a,h)anthracene
Concen: 40.945 ng
RT: 17.004 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

Tgt Ion:278 Resp: 863026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.1 | 11.4 | 17.2 |
| 279 | 23.8 | 18.8 | 28.2 |

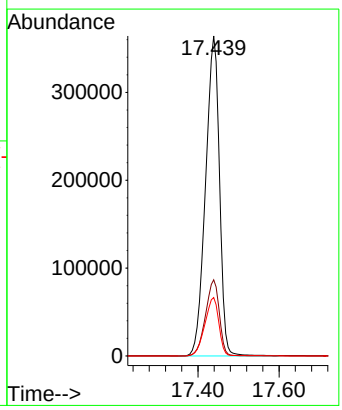



#92
Benzo(g,h,i)perylene
Concen: 41.473 ng
RT: 17.439 min Scan# 2609
Delta R.T. -0.012 min
Lab File: BF141939.D
Acq: 13 Mar 2025 12:17

Tgt Ion:276 Resp: 863842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 18.7 | 28.1 |
| 138 | 18.3 | 15.8 | 23.8 |



Sample Results: **BF141939.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141939.D
Acq On : 13 Mar 2025 12:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Mar 13 13:05:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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 | 89 | 0.00 |
| 2 | | 1,4-Dioxane | 0.502 | 0.494 | 1.6 | 87 | 0.00 |
| 3 | | Pyridine | 1.232 | 1.192 | 3.2 | 87 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.587 | 0.573 | 2.4 | 87 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.198 | 1.154 | 3.7 | 89 | 0.00 |
| 6 | | Aniline | 1.505 | 1.410 | 6.3 | 86 | 0.00 |
| 7 | S | Phenol-d6 | 1.526 | 1.446 | 5.2 | 89 | 0.00 |
| 8 | | 2-Chlorophenol | 1.329 | 1.276 | 4.0 | 90 | 0.00 |
| 9 | | Benzaldehyde | 0.853 | 0.751 | 12.0 | 86 | 0.00 |
| 10 | C | Phenol | 1.605 | 1.528 | 4.8 | 88 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.205 | 1.127 | 6.5 | 87 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.435 | 1.371 | 4.5 | 89 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.452 | 1.393 | 4.1 | 89 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.367 | 1.320 | 3.4 | 90 | 0.00 |
| 15 | | Benzyl Alcohol | 1.233 | 1.170 | 5.1 | 88 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.455 | 1.285 | 11.7 | 84 | 0.00 |
| 17 | | 2-Methylphenol | 1.057 | 0.994 | 6.0 | 88 | 0.00 |
| 18 | | Hexachloroethane | 0.544 | 0.518 | 4.8 | 89 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.980 | 0.878 | 10.4 | 85 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.354 | 1.268 | 6.4 | 87 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 22 | | Acetophenone | 0.479 | 0.459 | 4.2 | 88 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.355 | 0.344 | 3.1 | 87 | 0.00 |
| 24 | | Nitrobenzene | 0.353 | 0.341 | 3.4 | 87 | 0.00 |
| 25 | | Isophorone | 0.628 | 0.580 | 7.6 | 85 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.173 | 0.171 | 1.2 | 86 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.239 | 0.230 | 3.8 | 87 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.394 | 0.365 | 7.4 | 86 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.296 | 0.284 | 4.1 | 87 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.327 | 0.315 | 3.7 | 89 | 0.00 |
| 31 | | Naphthalene | 1.027 | 0.986 | 4.0 | 88 | 0.00 |
| 32 | | Benzoic acid | 0.210 | 0.221 | -5.2 | 93 | 0.00 |
| 33 | | 4-Chloroaniline | 0.363 | 0.341 | 6.1 | 85 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.213 | 0.208 | 2.3 | 90 | 0.00 |
| 35 | | Caprolactam | 0.090 | 0.086 | 4.4 | 89 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.331 | 0.312 | 5.7 | 86 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.687 | 0.653 | 4.9 | 88 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.663 | 0.630 | 5.0 | 89 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.609 | 0.593 | 2.6 | 87 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.238 | 0.250 | -5.0 | 87 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.254 | 0.253 | 0.4 | 88 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.398 | 0.393 | 1.3 | 85 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.403 | 0.393 | 2.5 | 87 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.315 | 1.265 | 3.8 | 87 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.520 | 1.471 | 3.2 | 87 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.133 | 1.108 | 2.2 | 88 | 0.00 |

Sample Results: **BF141939.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141939.D
Acq On : 13 Mar 2025 12:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Mar 13 13:05:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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 | 0.328 | 0.320 | 2.4 | 86 | 0.00 |
| 49 | | Acenaphthylene | 1.681 | 1.639 | 2.5 | 87 | 0.00 |
| 50 | | Dimethylphthalate | 1.401 | 1.334 | 4.8 | 87 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.292 | 0.285 | 2.4 | 86 | 0.00 |
| 52 | C | Acenaphthene | 1.181 | 1.161 | 1.7 | 88 | 0.00 |
| 53 | | 3-Nitroaniline | 0.296 | 0.285 | 3.7 | 84 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.139 | 0.155 | -11.5 | 95 | 0.00 |
| 55 | | Dibenzofuran | 1.688 | 1.627 | 3.6 | 87 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.223 | 0.230 | -3.1 | 87 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.381 | 0.373 | 2.1 | 86 | 0.00 |
| 58 | | Fluorene | 1.302 | 1.243 | 4.5 | 87 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.367 | 0.364 | 0.8 | 88 | 0.00 |
| 60 | | Diethylphthalate | 1.397 | 1.328 | 4.9 | 86 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.679 | 0.656 | 3.4 | 88 | 0.00 |
| 62 | | 4-Nitroaniline | 0.288 | 0.285 | 1.0 | 85 | 0.00 |
| 63 | | Azobenzene | 1.298 | 1.230 | 5.2 | 85 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.119 | 0.125 | -5.0 | 89 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.647 | 0.624 | 3.6 | 87 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.251 | 0.245 | 2.4 | 87 | 0.00 |
| 68 | | Hexachlorobenzene | 0.275 | 0.272 | 1.1 | 87 | 0.00 |
| 69 | | Atrazine | 0.198 | 0.165 | 16.7 | 87 | 0.00 |
| 70 | C | Pentachlorophenol | 0.170 | 0.180 | -5.9 | 88 | 0.00 |
| 71 | | Phenanthrene | 1.080 | 1.034 | 4.3 | 86 | 0.00 |
| 72 | | Anthracene | 1.084 | 1.037 | 4.3 | 86 | 0.00 |
| 73 | | Carbazole | 0.935 | 0.896 | 4.2 | 85 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.240 | 1.178 | 5.0 | 87 | 0.00 |
| 75 | C | Fluoranthene | 1.146 | 1.074 | 6.3 | 84 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 79 | 0.00 |
| 77 | | Benzidine | 0.279 | 0.440 | -57.7# | 97 | 0.00 |
| 78 | | Pyrene | 1.730 | 1.703 | 1.6 | 84 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.353 | 1.361 | -0.6 | 84 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.677 | 0.649 | 4.1 | 78 | -0.01 |
| 81 | | Benzo(a)anthracene | 1.312 | 1.251 | 4.6 | 78 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.379 | 0.392 | -3.4 | 84 | 0.00 |
| 83 | | Chrysene | 1.190 | 1.166 | 2.0 | 81 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.934 | 0.854 | 8.6 | 75 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 1.299 | 1.210 | 6.9 | 76 | -0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.294 | 1.313 | -1.5 | 86 | -0.01 |
| 88 | | Benzo(b)fluoranthene | 1.371 | 1.261 | 8.0 | 88 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.173 | 1.092 | 6.9 | 76 | -0.01 |
| 90 | C | Benzo(a)pyrene | 1.073 | 1.025 | 4.5 | 83 | -0.01 |
| 91 | | Dibenzo(a,h)anthracene | 1.067 | 1.093 | -2.4 | 86 | -0.02 |
| 92 | | Benzo(g,h,i)perylene | 1.055 | 1.094 | -3.7 | 86 | -0.01 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141939.D
Acq On : 13 Mar 2025 12:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Mar 13 13:05:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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

Sample Results: **BF141939.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141939.D
Acq On : 13 Mar 2025 12:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Mar 13 13:05:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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 | 89 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 39.334 | 1.7 | 87 | 0.00 |
| 3 | | Pyridine | 40.000 | 38.717 | 3.2 | 87 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.034 | 2.4 | 87 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 77.057 | 3.7 | 89 | 0.00 |
| 6 | | Aniline | 40.000 | 37.480 | 6.3 | 86 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 75.826 | 5.2 | 89 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.395 | 4.0 | 90 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 35.193 | 12.0 | 86 | 0.00 |
| 10 | C | Phenol | 40.000 | 38.077 | 4.8 | 88 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.411 | 6.5 | 87 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.208 | 4.5 | 89 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.375 | 4.1 | 89 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.620 | 3.5 | 90 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 37.946 | 5.1 | 88 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 35.329 | 11.7 | 84 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 37.607 | 6.0 | 88 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.069 | 4.8 | 89 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 35.812 | 10.5 | 85 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 37.464 | 6.3 | 87 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 88 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.332 | 4.2 | 88 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 77.391 | 3.3 | 87 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.634 | 3.4 | 87 | 0.00 |
| 25 | | Isophorone | 40.000 | 36.899 | 7.8 | 85 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 39.549 | 1.1 | 86 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.499 | 3.8 | 87 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.044 | 7.4 | 86 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.322 | 4.2 | 87 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.527 | 3.7 | 89 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.385 | 4.0 | 88 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 42.081 | -5.2 | 93 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 37.629 | 5.9 | 85 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.060 | 2.3 | 90 | 0.00 |
| 35 | | Caprolactam | 40.000 | 37.884 | 5.3 | 89 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 37.769 | 5.6 | 86 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.045 | 4.9 | 88 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 38.016 | 5.0 | 89 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 86 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.972 | 2.6 | 87 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 41.981 | -5.0 | 87 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 79.856 | 0.2 | 88 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 39.520 | 1.2 | 85 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 39.009 | 2.5 | 87 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 76.930 | 3.8 | 87 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 38.721 | 3.2 | 87 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.130 | 2.2 | 88 | 0.00 |

Sample Results: **BF141939.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141939.D
Acq On : 13 Mar 2025 12:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Mar 13 13:05:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 39.074 | 2.3 | 86 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.005 | 2.5 | 87 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 38.106 | 4.7 | 87 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 39.096 | 2.3 | 86 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 39.326 | 1.7 | 88 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 38.530 | 3.7 | 84 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 41.009 | -2.5 | 95 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 38.554 | 3.6 | 87 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 41.301 | -3.3 | 87 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 39.193 | 2.0 | 86 | 0.00 |
| 58 | | Fluorene | 40.000 | 38.195 | 4.5 | 87 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.708 | 0.7 | 88 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 38.044 | 4.9 | 86 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 38.646 | 3.4 | 88 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 39.528 | 1.2 | 85 | 0.00 |
| 63 | | Azobenzene | 40.000 | 37.888 | 5.3 | 85 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 87 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 41.862 | -4.7 | 89 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 38.576 | 3.6 | 87 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 38.946 | 2.6 | 87 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 39.530 | 1.2 | 87 | 0.00 |
| 69 | | Atrazine | 40.000 | 33.164 | 17.1 | 87 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 42.480 | -6.2 | 88 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 38.274 | 4.3 | 86 | 0.00 |
| 72 | | Anthracene | 40.000 | 38.288 | 4.3 | 86 | 0.00 |
| 73 | | Carbazole | 40.000 | 38.363 | 4.1 | 85 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 37.983 | 5.0 | 87 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 37.478 | 6.3 | 84 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 79 | 0.00 |
| 77 | | Benzidine | 40.000 | 63.130 | -57.8# | 97 | 0.00 |
| 78 | | Pyrene | 40.000 | 39.368 | 1.6 | 84 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 80.485 | -0.6 | 84 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 38.339 | 4.2 | 78 | -0.01 |
| 81 | | Benzo(a)anthracene | 40.000 | 38.137 | 4.7 | 78 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 41.361 | -3.4 | 84 | 0.00 |
| 83 | | Chrysene | 40.000 | 39.214 | 2.0 | 81 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 36.599 | 8.5 | 75 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 37.251 | 6.9 | 76 | -0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 84 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.580 | -1.4 | 86 | -0.01 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 36.786 | 8.0 | 88 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 37.223 | 6.9 | 76 | -0.01 |
| 90 | C | Benzo(a)pyrene | 40.000 | 38.240 | 4.4 | 83 | -0.01 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 40.945 | -2.4 | 86 | -0.02 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 41.473 | -3.7 | 86 | -0.01 |

Sample Results: **BF141939.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141939.D
Acq On : 13 Mar 2025 12:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Mar 13 13:05:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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: ALLI03

Lab Code: CHEM Case No.: Q1502 SAS No.: Q1502 SDG No.: Q1502

Instrument ID: BNA_P Calibration Date/Time: 03/13/2025 10:22

Lab File ID: BP024171.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 | 1.221 | | -2.6 | |
| Phenol-d6 | 1.675 | 1.634 | | -2.4 | |
| Nitrobenzene-d5 | 0.354 | 0.352 | | -0.6 | |
| 2-Fluorobiphenyl | 1.356 | 1.335 | | -1.5 | |
| 2,4,6-Tribromophenol | 0.252 | 0.256 | | 1.6 | |
| Atrazine | 0.147 | 0.132 | | -10.2 | |
| Terphenyl-d14 | 0.969 | 0.947 | | -2.3 | |

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031325\
Data File : BP024171.D
Acq On : 13 Mar 2025 10:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Quant Time: Mar 13 11:49:44 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 | 7.764 | 152 | 330996 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.546 | 136 | 1338415 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.410 | 164 | 811311 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.216 | 188 | 1560243 | 20.000 | ng | | 0.01 |
| 76) Chrysene-d12 | 21.675 | 240 | 1695896 | 20.000 | ng | | 0.02 |
| 86) Perylene-d12 | 25.063 | 264 | 1872320 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.375 | 112 | 1616314 | 77.949 | ng | | 0.00 |
| 7) Phenol-d6 | 6.946 | 99 | 2163611 | 78.028 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.911 | 82 | 1885293 | 79.475 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.916 | 330 | 829790 | 81.197 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.010 | 172 | 4332655 | 78.744 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.939 | 244 | 6421493 | 78.162 | ng | | 0.02 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.317 | 88 | 319012 | 38.812 | ng | | 98 |
| 3) Pyridine | 3.711 | 79 | 875478 | 38.962 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.623 | 42 | 296615 | 39.518 | ng | | 99 |
| 6) Aniline | 7.099 | 93 | 996069 | 39.427 | ng | | 99 |
| 8) 2-Chlorophenol | 7.340 | 128 | 868343 | 38.770 | ng | | 99 |
| 9) Benzaldehyde | 6.917 | 77 | 487054 | 36.398 | ng | | 99 |
| 10) Phenol | 6.975 | 94 | 1080465 | 38.599 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.193 | 93 | 844429 | 38.253 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.658 | 146 | 925362 | 38.313 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.799 | 146 | 938164 | 38.043 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.117 | 146 | 901143 | 38.079 | ng | | 100 |
| 15) Benzyl Alcohol | 8.005 | 79 | 692761 | 39.462 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.293 | 45 | 887389 | 39.387 | ng | | 97 |
| 17) 2-Methylphenol | 8.205 | 107 | 687510 | 39.167 | ng | | 99 |
| 18) Hexachloroethane | 8.834 | 117 | 334690 | 38.254 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.564 | 70 | 646163 | 40.168 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.534 | 107 | 951529 | 39.457 | ng | | 98 |
| 22) Acetophenone | 8.581 | 105 | 1315436 | 38.875 | ng | # | 99 |
| 24) Nitrobenzene | 8.958 | 77 | 926251 | 39.581 | ng | | 99 |
| 25) Isophorone | 9.475 | 82 | 1626564 | 40.000 | ng | | 100 |
| 26) 2-Nitrophenol | 9.663 | 139 | 451089 | 40.354 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.722 | 122 | 574507 | 39.969 | ng | | 100 |
| 28) bis(2-Chloroethoxy)met... | 9.958 | 93 | 1123652 | 39.279 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.199 | 162 | 779715 | 40.100 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.405 | 180 | 827250 | 38.508 | ng | | 99 |
| 31) Naphthalene | 10.599 | 128 | 2770811 | 39.054 | ng | | 99 |
| 32) Benzoic acid | 9.863 | 122 | 590853 | 42.149 | ng | | 99 |
| 33) 4-Chloroaniline | 10.705 | 127 | 1033809 | 40.717 | ng | | 100 |
| 34) Hexachlorobutadiene | 10.881 | 225 | 470663 | 38.068 | ng | | 98 |
| 35) Caprolactam | 11.493 | 113 | 264873 | 41.564 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 11.834 | 107 | 905741 | 43.180 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.210 | 142 | 1866035 | 38.932 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.428 | 142 | 1840085 | 39.471 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.581 | 216 | 910390 | 38.818 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.563 | 237 | 332187 | 39.294 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.822 | 196 | 595448 | 39.951 | ng | | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031325\
Data File : BP024171.D
Acq On : 13 Mar 2025 10:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Quant Time: Mar 13 11:49:44 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

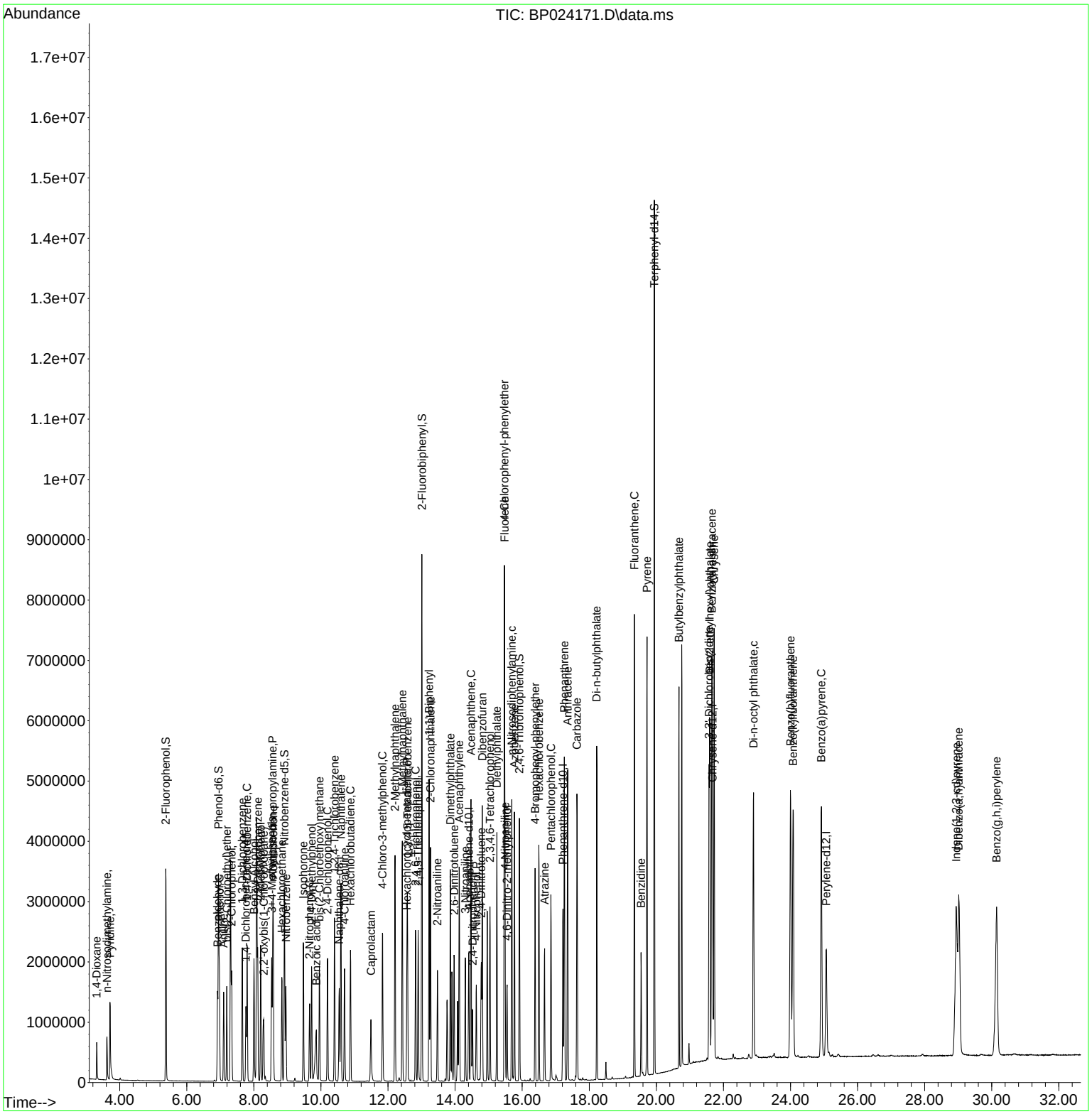
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.899 | 196 | 658754 | 40.302 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.228 | 154 | 2372057 | 38.908 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.269 | 162 | 1800527 | 39.264 | ng | 100 |
| 48) 2-Nitroaniline | 13.475 | 65 | 494971 | 42.201 | ng | 97 |
| 49) Acenaphthylene | 14.122 | 152 | 2785296 | 40.141 | ng | 100 |
| 50) Dimethylphthalate | 13.857 | 163 | 2249113 | 39.619 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.975 | 165 | 486661 | 40.744 | ng | 98 |
| 52) Acenaphthene | 14.475 | 154 | 1749122 | 39.454 | ng | 99 |
| 53) 3-Nitroaniline | 14.304 | 138 | 539214 | 41.797 | ng | 97 |
| 54) 2,4-Dinitrophenol | 14.522 | 184 | 266632 | 42.187 | ng | 98 |
| 55) Dibenzofuran | 14.810 | 168 | 2848254 | 39.663 | ng | 100 |
| 56) 4-Nitrophenol | 14.634 | 139 | 465657 | 43.198 | ng | 99 |
| 57) 2,4-Dinitrotoluene | 14.781 | 165 | 658978 | 41.767 | ng | 99 |
| 58) Fluorene | 15.475 | 166 | 2244338 | 40.112 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.040 | 232 | 580529 | 40.199 | ng | 99 |
| 60) Diethylphthalate | 15.246 | 149 | 2293687 | 40.573 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.469 | 204 | 1090107 | 39.723 | ng | 100 |
| 62) 4-Nitroaniline | 15.493 | 138 | 582707 | 43.066 | ng | 98 |
| 63) Azobenzene | 15.769 | 77 | 2182033 | 40.952 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.551 | 198 | 364570 | 39.360 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 15.693 | 169 | 1855220 | 39.157 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.387 | 248 | 665669 | 38.860 | ng | 98 |
| 68) Hexachlorobenzene | 16.498 | 284 | 791231 | 39.025 | ng | 97 |
| 69) Atrazine | 16.669 | 200 | 412759 | 36.093 | ng | 98 |
| 70) Pentachlorophenol | 16.857 | 266 | 548868 | 41.861 | ng | 99 |
| 71) Phenanthrene | 17.257 | 178 | 3325589 | 39.016 | ng | 100 |
| 72) Anthracene | 17.357 | 178 | 3282068 | 39.535 | ng | 100 |
| 73) Carbazole | 17.634 | 167 | 3241622 | 40.491 | ng | 100 |
| 74) Di-n-butylphthalate | 18.222 | 149 | 3850848 | 40.519 | ng | 100 |
| 75) Fluoranthene | 19.345 | 202 | 3926031 | 39.770 | ng | 100 |
| 77) Benzidine | 19.545 | 184 | 1055531 | 56.927 | ng | 100 |
| 78) Pyrene | 19.722 | 202 | 4107543 | 38.959 | ng | 100 |
| 80) Butylbenzylphthalate | 20.675 | 149 | 1748418 | 40.213 | ng | 99 |
| 81) Benzo(a)anthracene | 21.657 | 228 | 4146350 | 39.325 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.569 | 252 | 1449835 | 41.027 | ng | 100 |
| 83) Chrysene | 21.722 | 228 | 3917287 | 38.647 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.592 | 149 | 2637923 | 40.209 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.898 | 149 | 4257281 | 40.502 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.939 | 276 | 5103421 | 39.055 | ng | 94 |
| 88) Benzo(b)fluoranthene | 23.998 | 252 | 4409444 | 39.060 | ng | 98 |
| 89) Benzo(k)fluoranthene | 24.080 | 252 | 4326170 | 39.177 | ng | 99 |
| 90) Benzo(a)pyrene | 24.921 | 252 | 3836294 | 39.080 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 29.015 | 278 | 4295311 | 39.510 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 30.145 | 276 | 4295501 | 38.869 | ng | 99 |

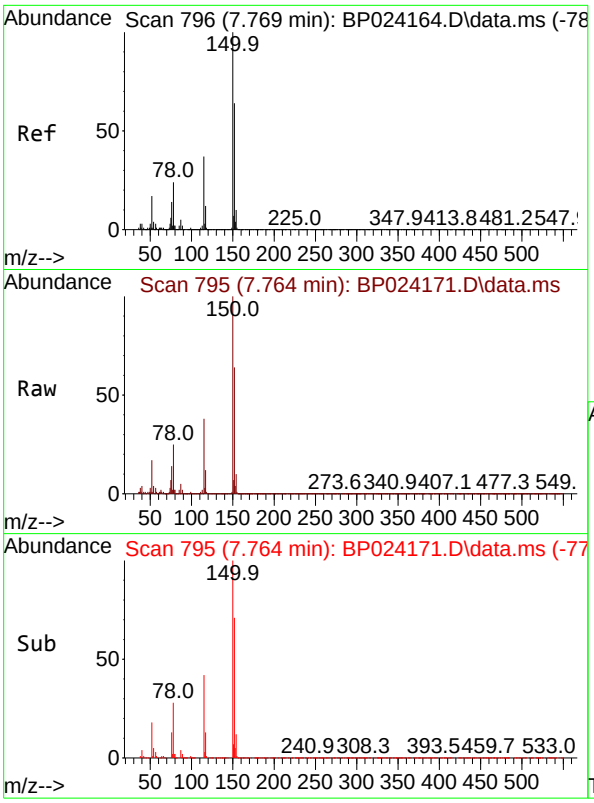
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031325\
Data File : BP024171.D
Acq On : 13 Mar 2025 10:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Quant Time: Mar 13 11:49:44 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



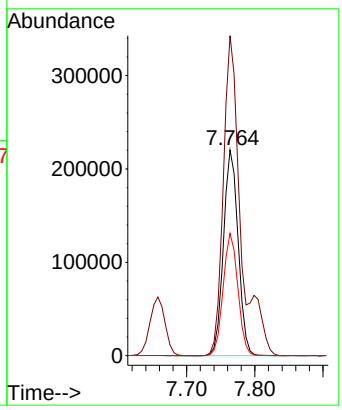


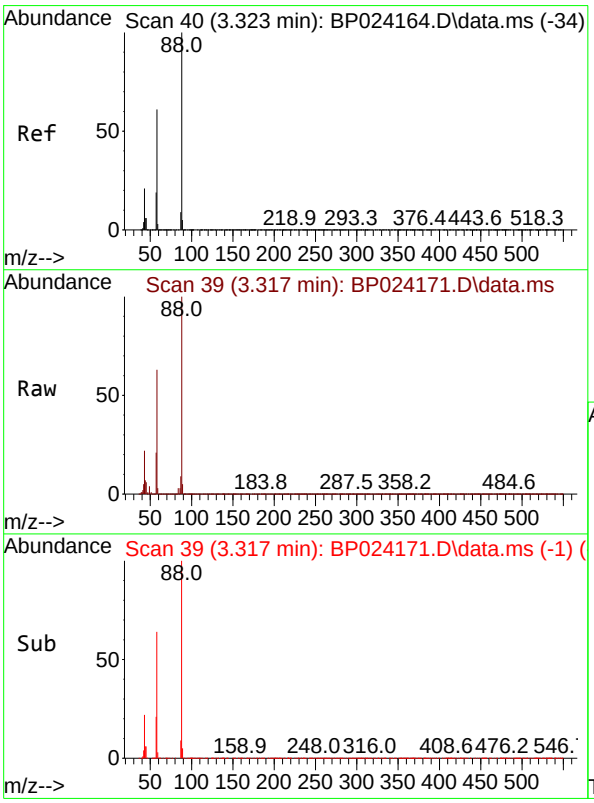

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.764 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 330996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.6 | 125.5 | 188.3 |
| 115 | 59.5 | 46.3 | 69.5 |

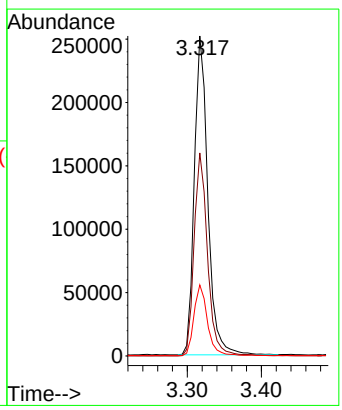


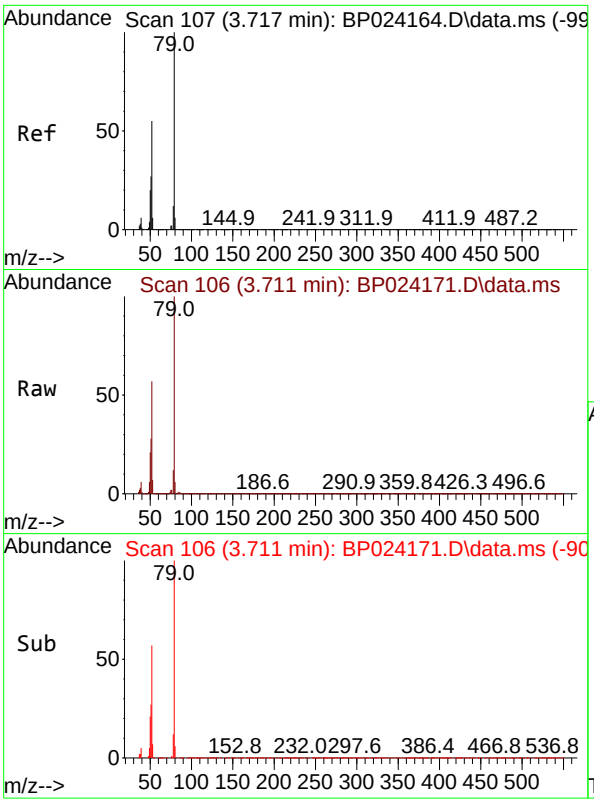




#2
1,4-Dioxane
Concen: 38.812 ng
RT: 3.317 min Scan# 39
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion: 88 Resp: 319012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 63.7 | 49.8 | 74.6 |
| 43 | 22.2 | 17.3 | 25.9 |



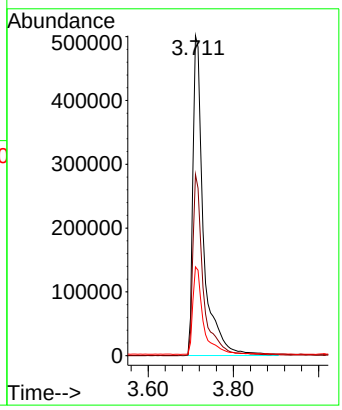


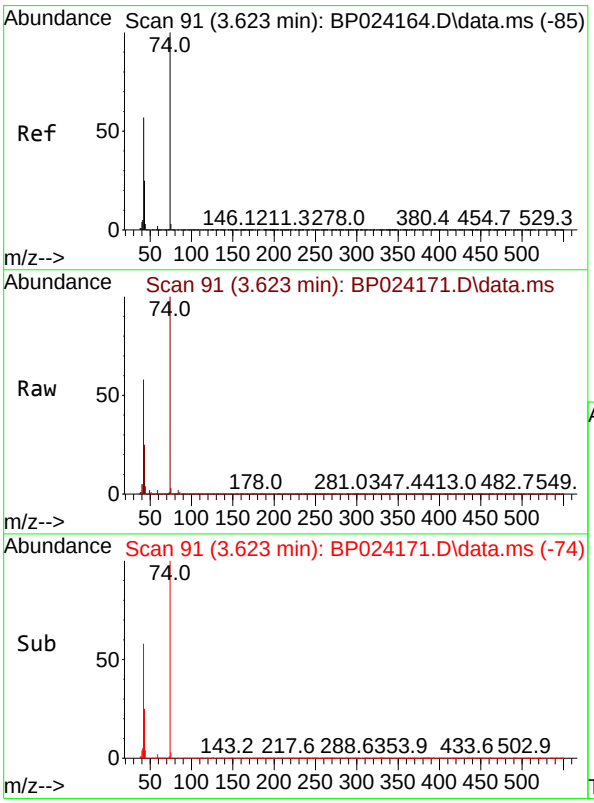

#3
Pyridine
Concen: 38.962 ng
RT: 3.711 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 875478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 56.6 | 43.8 | 65.8 |
| 51 | 27.8 | 21.6 | 32.4 |

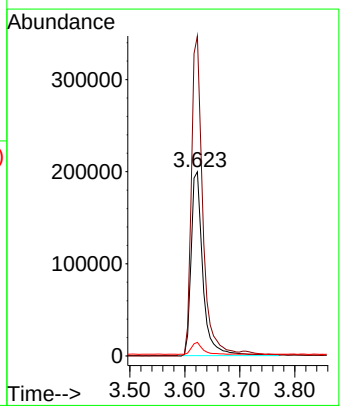


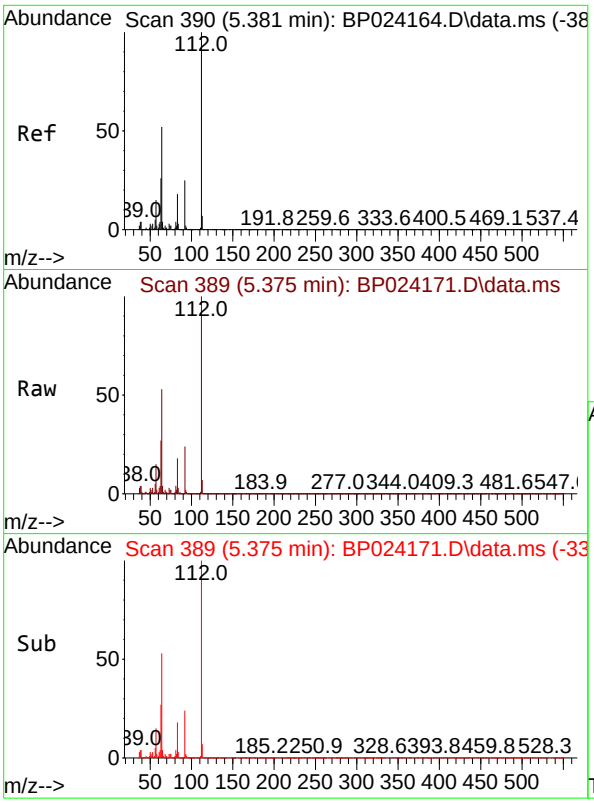




#4
n-Nitrosodimethylamine
Concen: 39.518 ng
RT: 3.623 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion: 42 Resp: 296615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 173.7 | 139.8 | 209.6 |
| 44 | 7.4 | 5.3 | 7.9 |



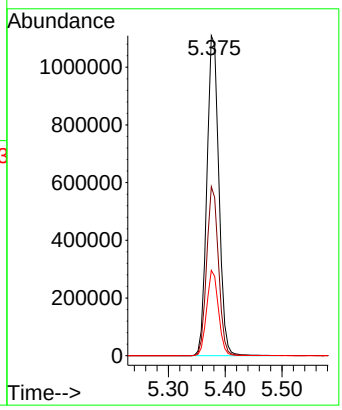


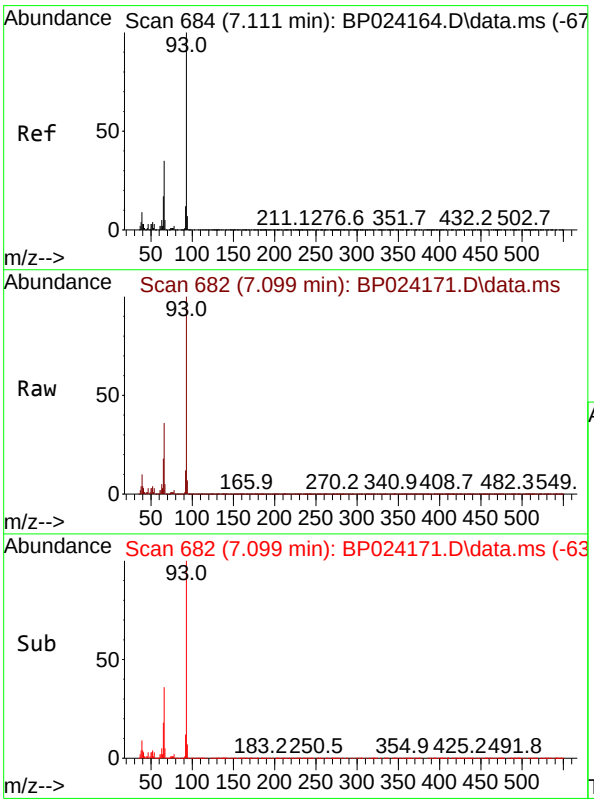

#5
2-Fluorophenol
Concen: 77.949 ng
RT: 5.375 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:112 Resp: 1616314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.8 | 41.3 | 61.9 |
| 63 | 26.7 | 20.6 | 31.0 |

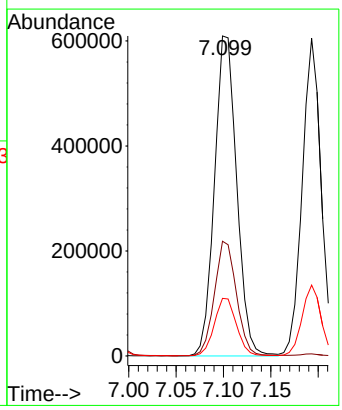


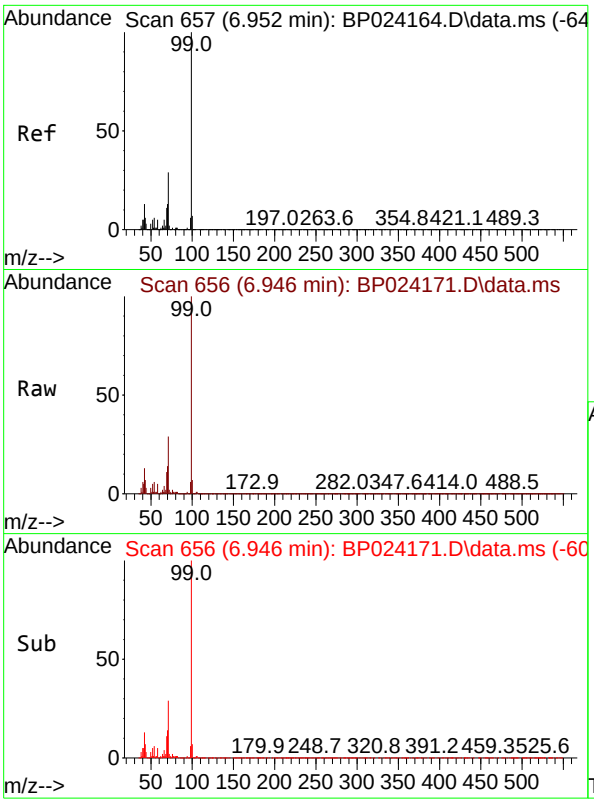




#6
Aniline
Concen: 39.427 ng
RT: 7.099 min Scan# 682
Delta R.T. -0.012 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion: 93 Resp: 996069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 35.8 | 28.2 | 42.2 |
| 65 | 18.0 | 14.0 | 21.0 |



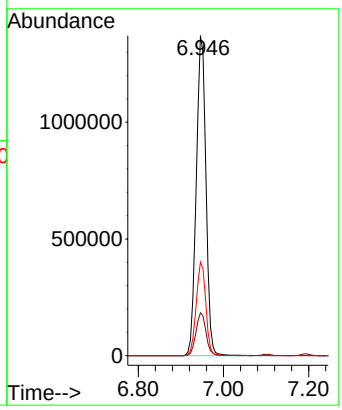


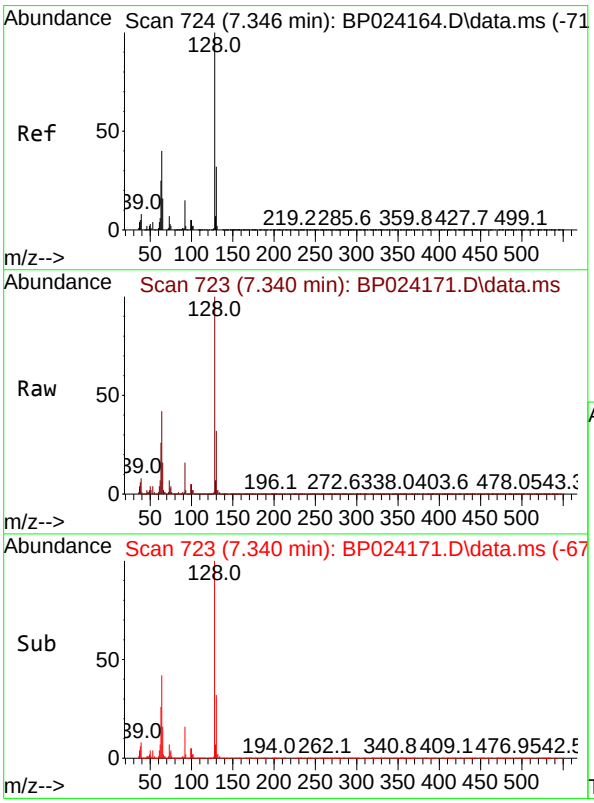

#7
Phenol-d6
Concen: 78.028 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 99 Resp: 2163611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.4 | 10.6 | 16.0 |
| 71 | 29.2 | 23.3 | 34.9 |

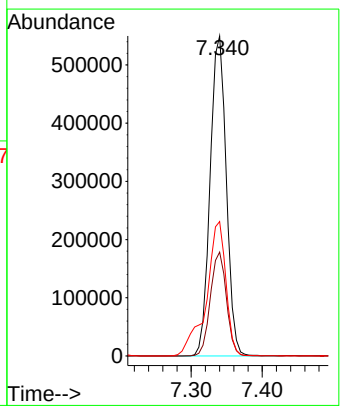


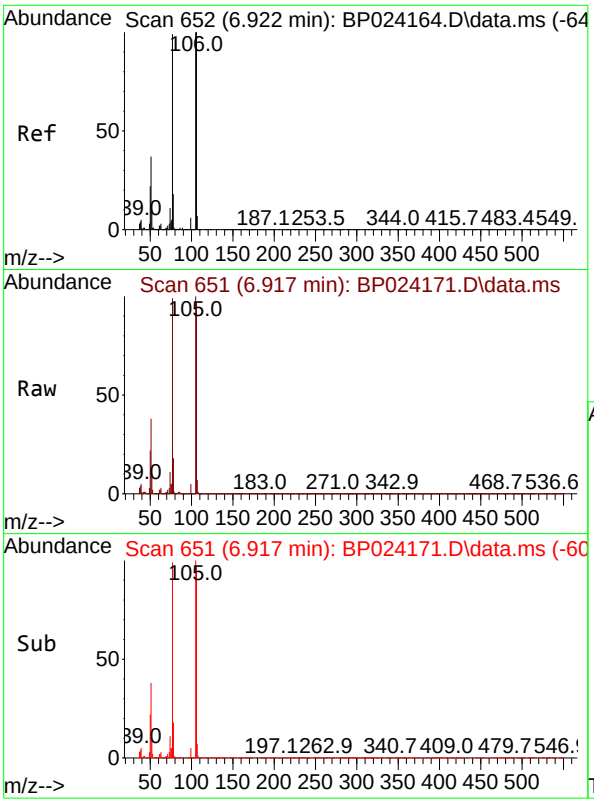




#8
2-Chlorophenol
Concen: 38.770 ng
RT: 7.340 min Scan# 723
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:128 Resp: 868343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.4 | 12.0 | 52.0 |
| 64 | 42.0 | 21.6 | 61.6 |



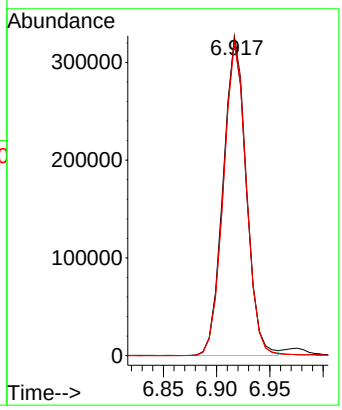


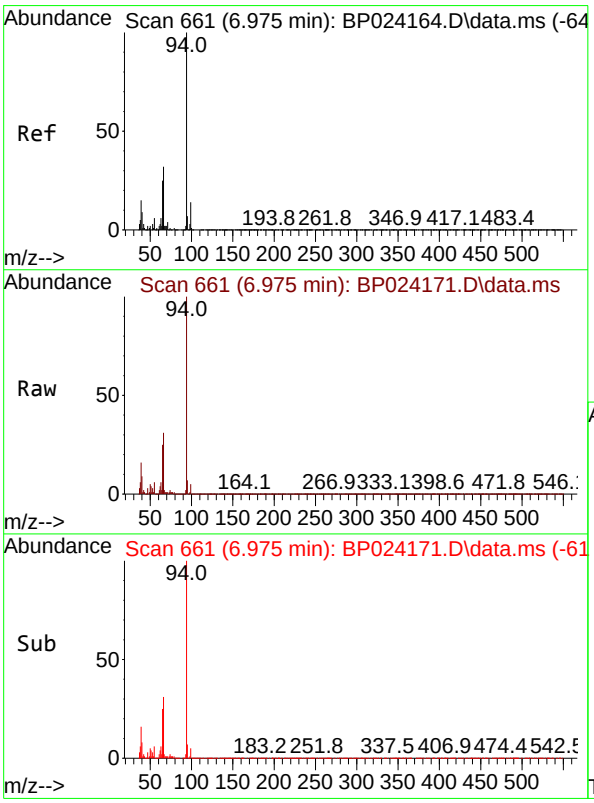

#9
Benzaldehyde
Concen: 36.398 ng
RT: 6.917 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 487054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 101.2 | 81.4 | 121.4 |
| 106 | 98.7 | 81.1 | 121.1 |

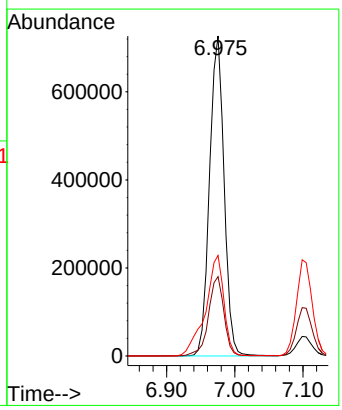


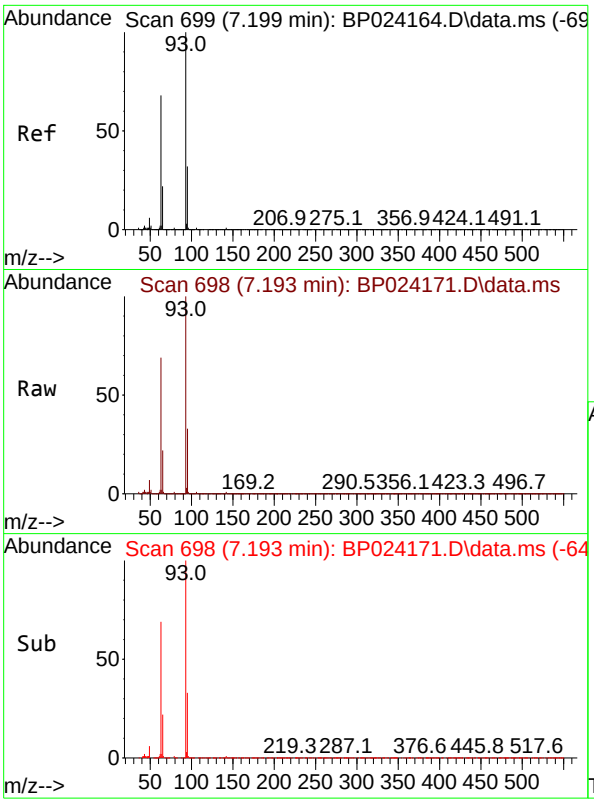




#10
Phenol
Concen: 38.599 ng
RT: 6.975 min Scan# 661
Delta R.T. 0.000 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion: 94 Resp: 1080465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 24.8 | 4.9 | 44.9 |
| 66 | 31.4 | 11.9 | 51.9 |



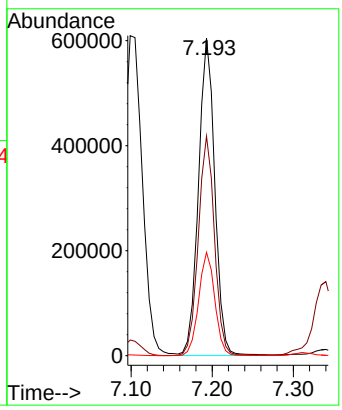


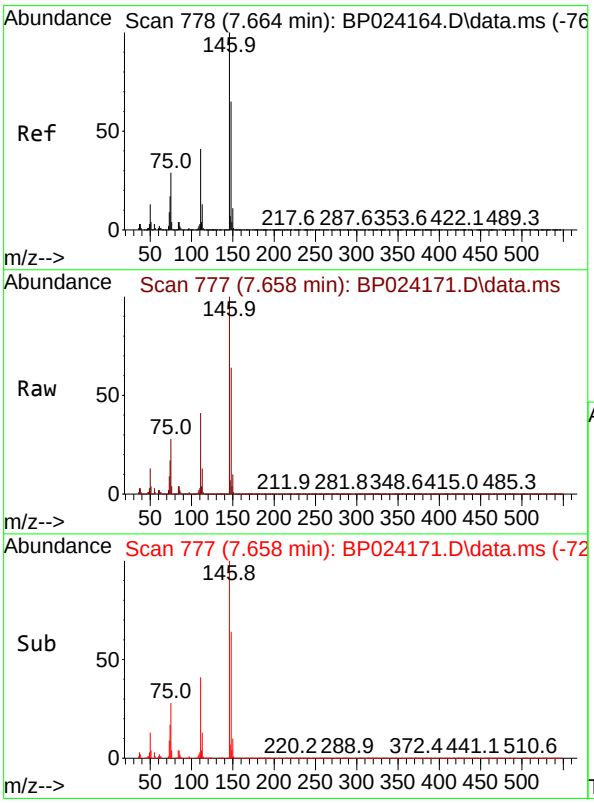

#11
bis(2-Chloroethyl)ether
Concen: 38.253 ng
RT: 7.193 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 93 Resp: 844429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 69.1 | 47.4 | 87.4 |
| 95 | 32.5 | 12.1 | 52.1 |

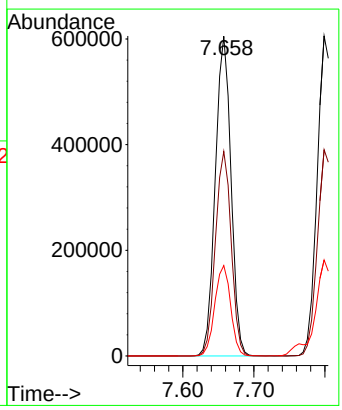


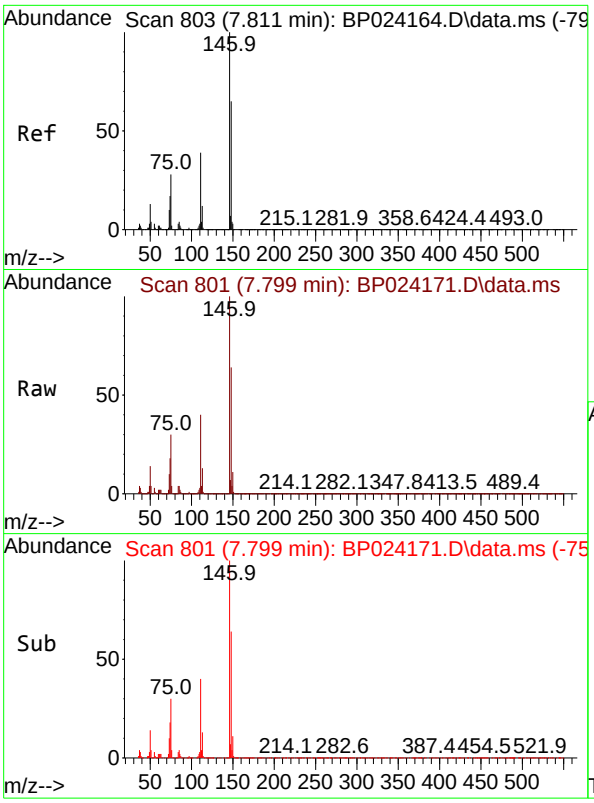




#12
1,3-Dichlorobenzene
Concen: 38.313 ng
RT: 7.658 min Scan# 777
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:146 Resp: 925362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 51.6 | 77.4 |
| 75 | 28.3 | 22.8 | 34.2 |



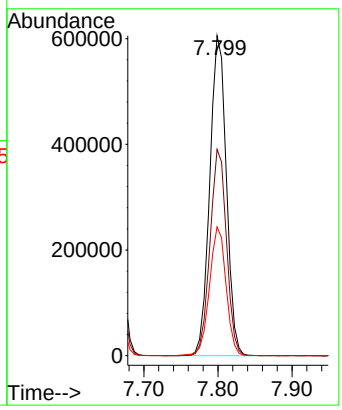


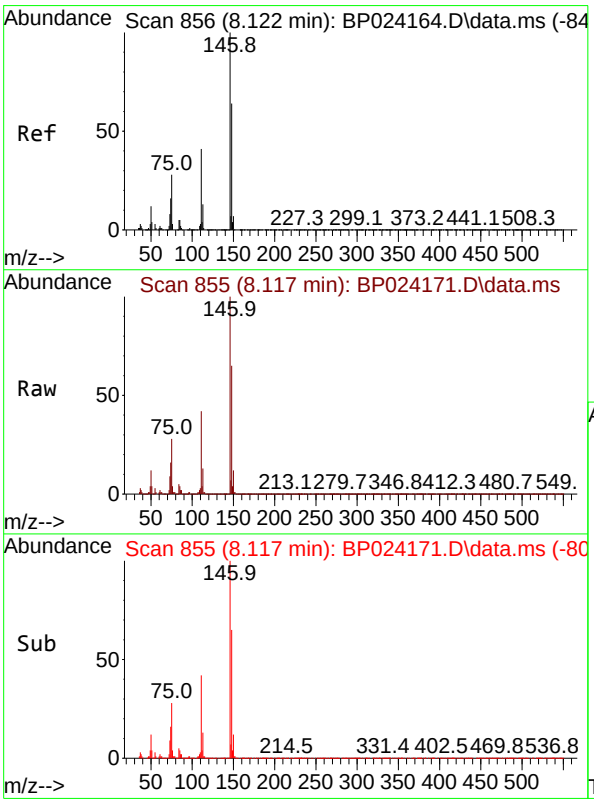

#13
1,4-Dichlorobenzene
Concen: 38.043 ng
RT: 7.799 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:146 Resp: 938164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.5 | 51.9 | 77.9 |
| 111 | 40.2 | 31.4 | 47.2 |

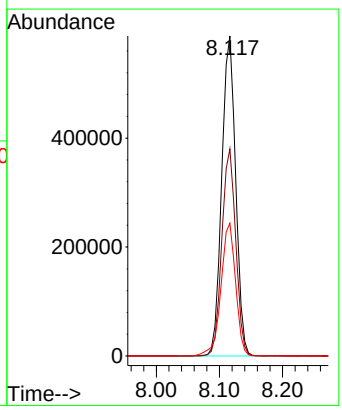


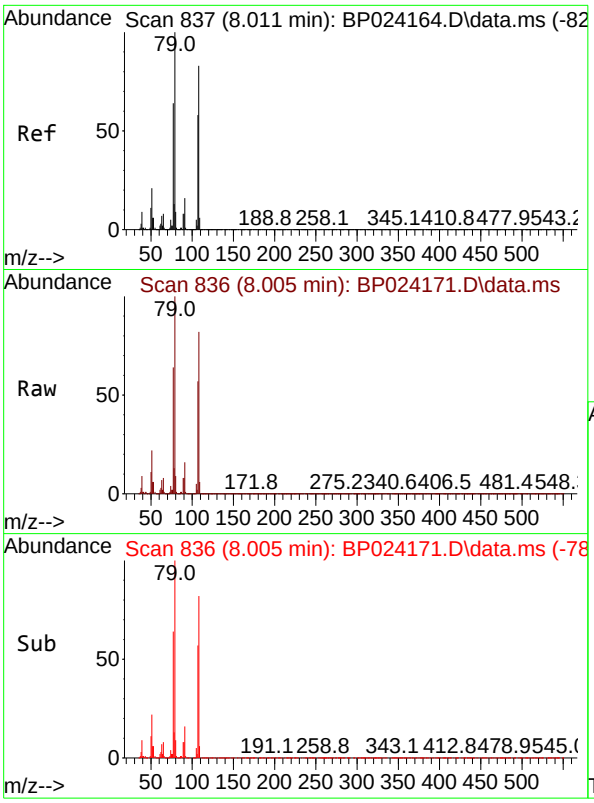




#14
1,2-Dichlorobenzene
Concen: 38.079 ng
RT: 8.117 min Scan# 855
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:146 Resp: 901143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.7 | 51.4 | 77.2 |
| 111 | 41.5 | 33.2 | 49.8 |



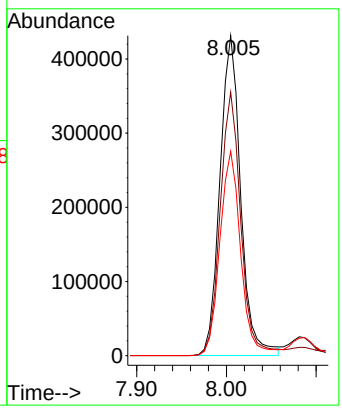


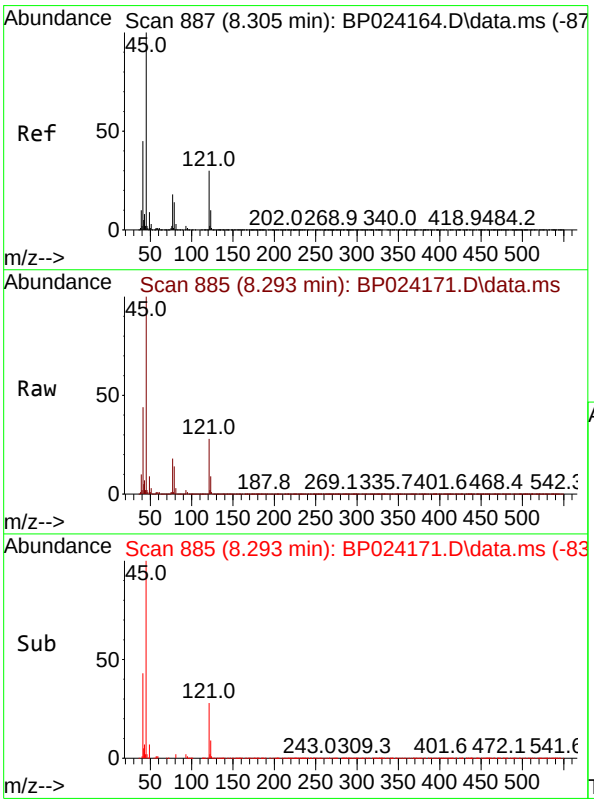

#15
Benzyl Alcohol
Concen: 39.462 ng
RT: 8.005 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 79 Resp: 692761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 82.3 | 66.5 | 99.7 |
| 77 | 63.9 | 50.9 | 76.3 |

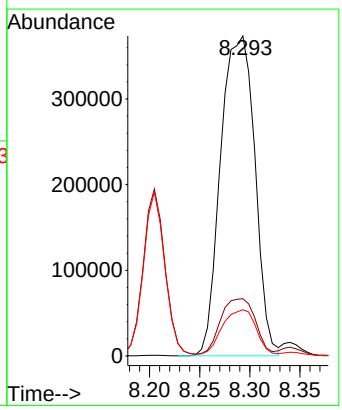


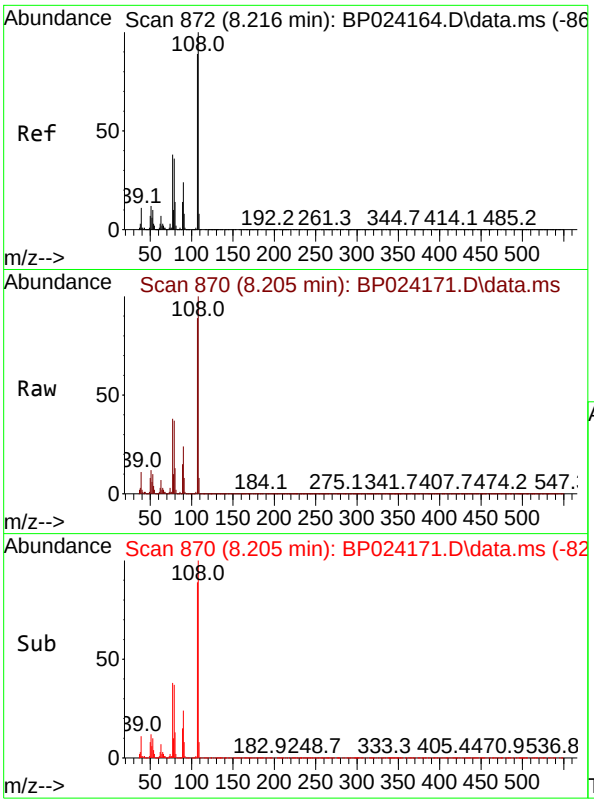




#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.387 ng
RT: 8.293 min Scan# 885
Delta R.T. -0.012 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion: 45 Resp: 887389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 17.9 | 0.0 | 39.0 |
| 79 | 14.4 | 0.0 | 35.6 |



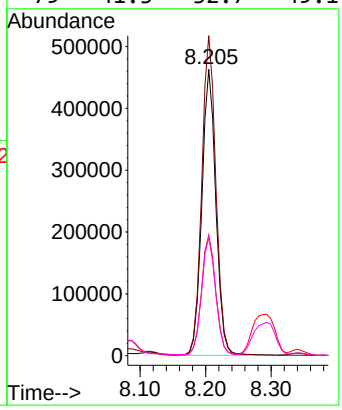


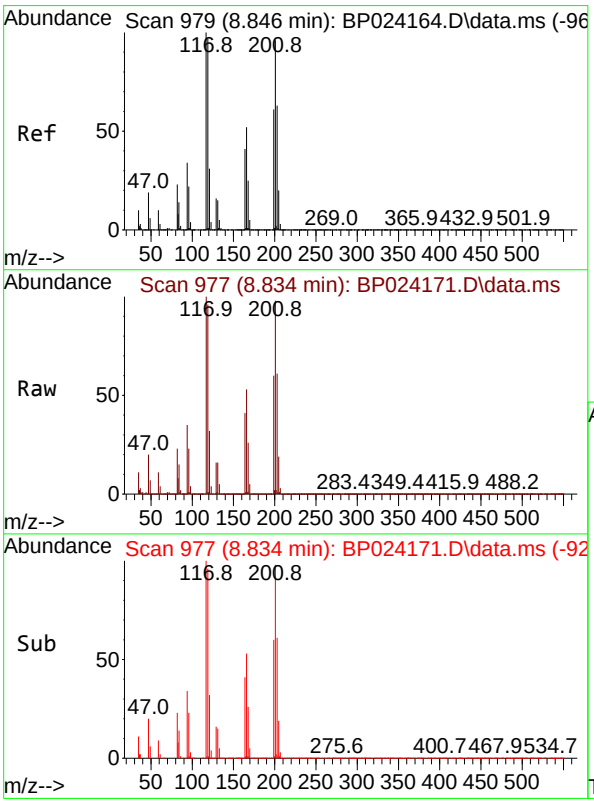

#17
2-Methylphenol
Concen: 39.167 ng
RT: 8.205 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:107 Resp: 687510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 111.8 | 90.0 | 135.0 |
| 77 | 42.1 | 34.0 | 51.0 |
| 79 | 41.3 | 32.7 | 49.1 |

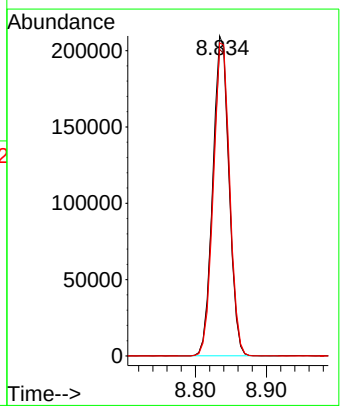


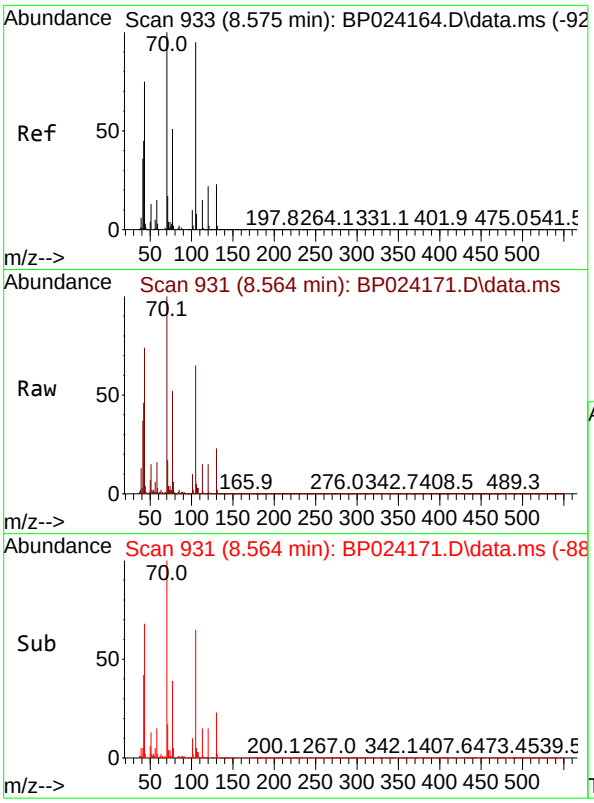




#18
Hexachloroethane
Concen: 38.254 ng
RT: 8.834 min Scan# 977
Delta R.T. -0.012 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:117 Resp: 334690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.8 | 77.4 | 116.0 |
| 201 | 97.8 | 76.6 | 114.8 |



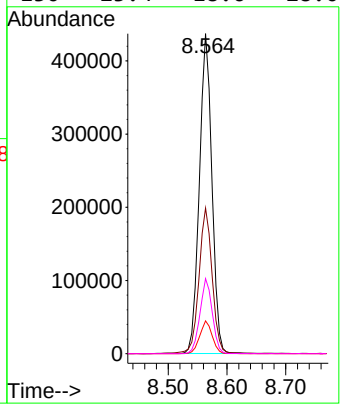


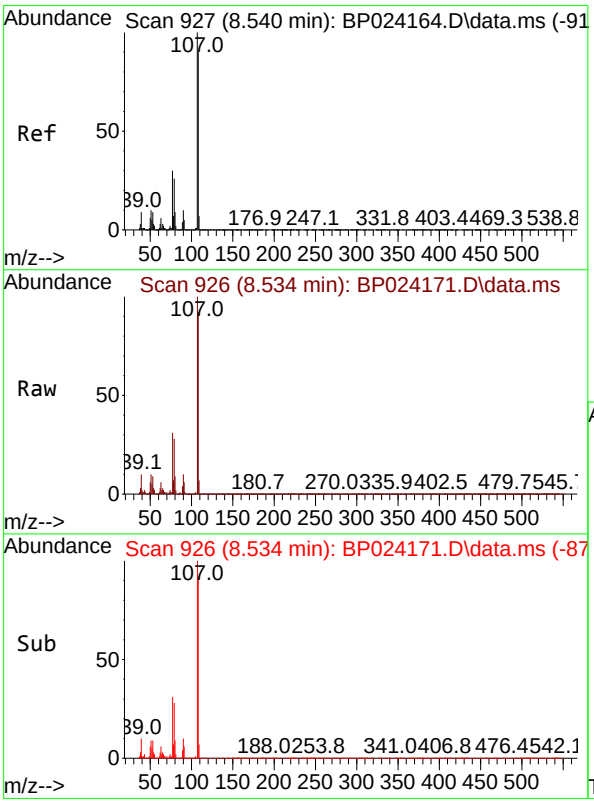

#19
n-Nitroso-di-n-propylamine
Concen: 40.168 ng
RT: 8.564 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 70 Resp: 646163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 45.5 | 36.0 | 54.0 |
| 101 | 10.2 | 8.3 | 12.5 |
| 130 | 23.4 | 18.6 | 28.0 |

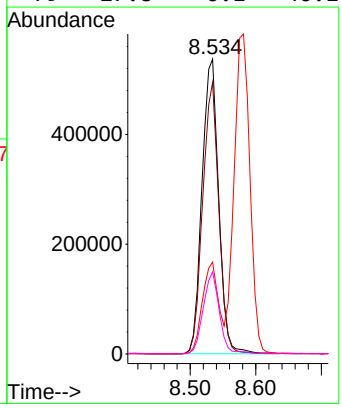


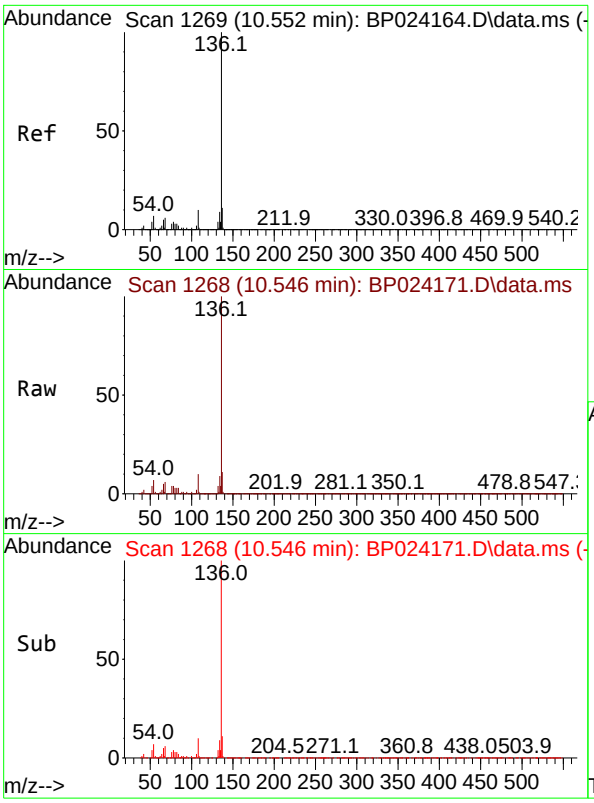




#20
3+4-Methylphenols
Concen: 39.457 ng
RT: 8.534 min Scan# 926
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:107 Resp: 951529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 92.0 | 69.7 | 109.7 |
| 77 | 31.2 | 10.3 | 50.3 |
| 79 | 27.8 | 6.1 | 46.1 |



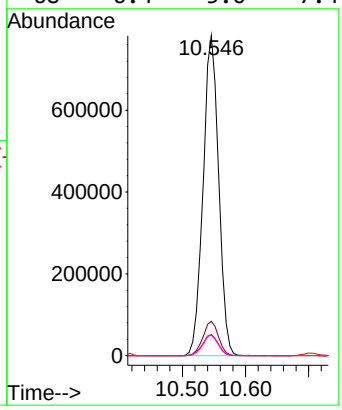


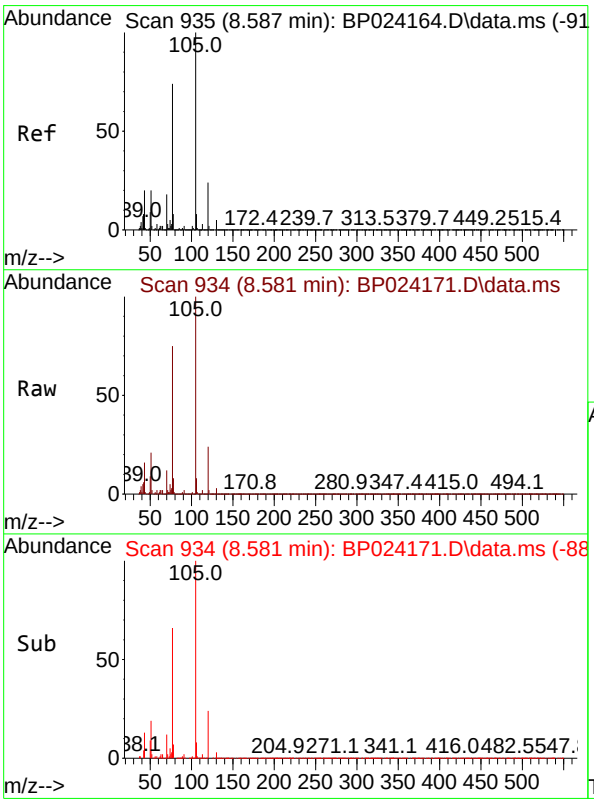

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.546 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:136 Resp: 1338415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 9.0 | 13.4 |
| 54 | 6.6 | 5.3 | 7.9 |
| 68 | 6.4 | 5.0 | 7.4 |

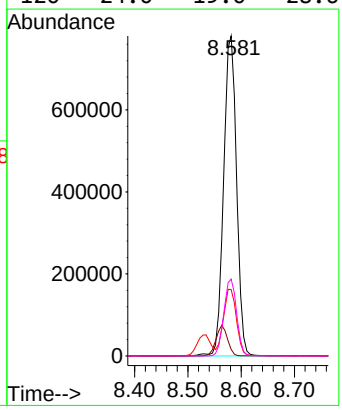


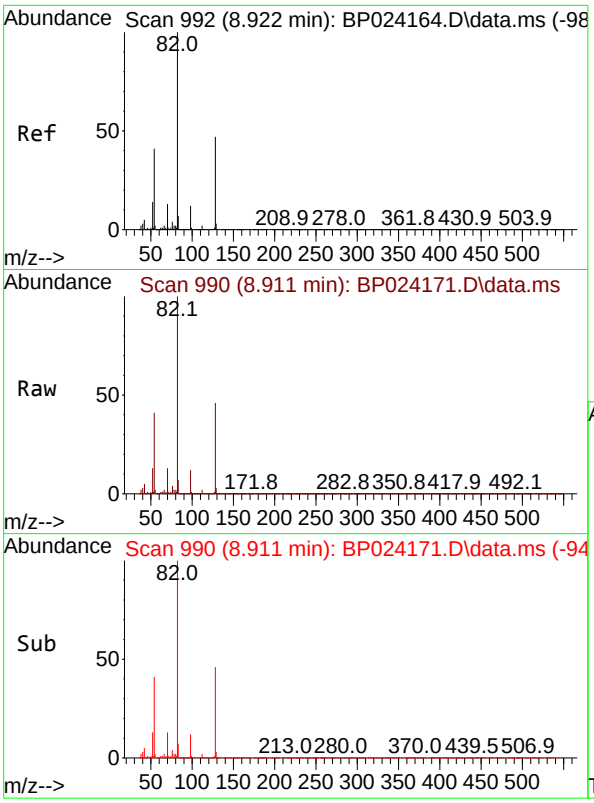




#22
Acetophenone
Concen: 38.875 ng
RT: 8.581 min Scan# 934
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:105 Resp: 1315436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 2.1 | 2.4 | 3.6# |
| 51 | 20.8 | 16.2 | 24.2 |
| 120 | 24.0 | 19.0 | 28.6 |



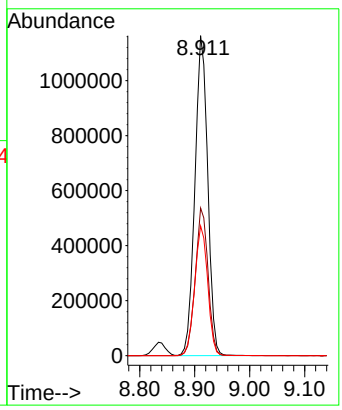


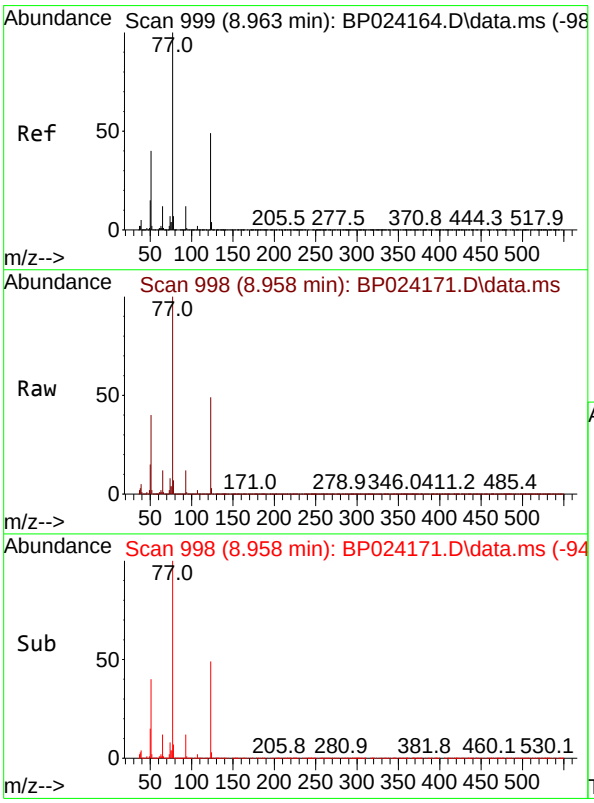

#23
Nitrobenzene-d5
Concen: 79.475 ng
RT: 8.911 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 1885293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.1 | 37.4 | 56.0 |
| 54 | 40.6 | 32.5 | 48.7 |

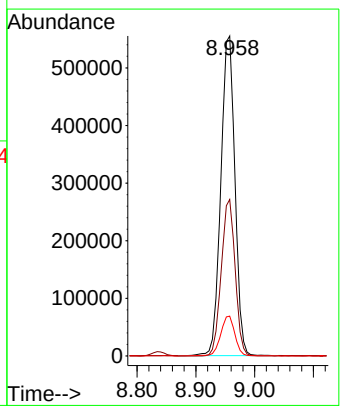


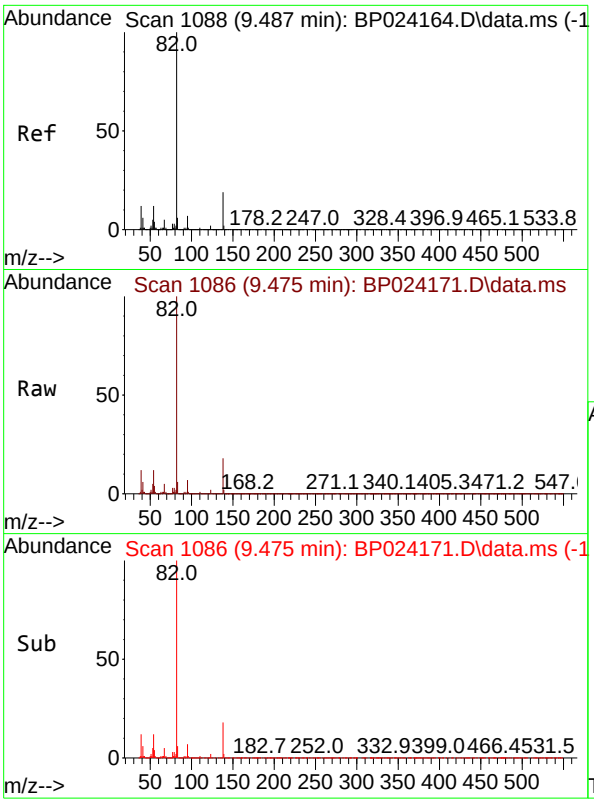




#24
Nitrobenzene
Concen: 39.581 ng
RT: 8.958 min Scan# 998
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion: 77 Resp: 926251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 48.9 | 39.4 | 59.2 |
| 65 | 12.4 | 9.9 | 14.9 |



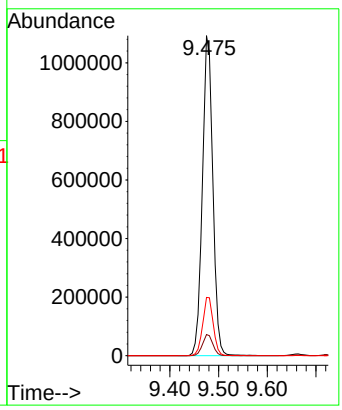


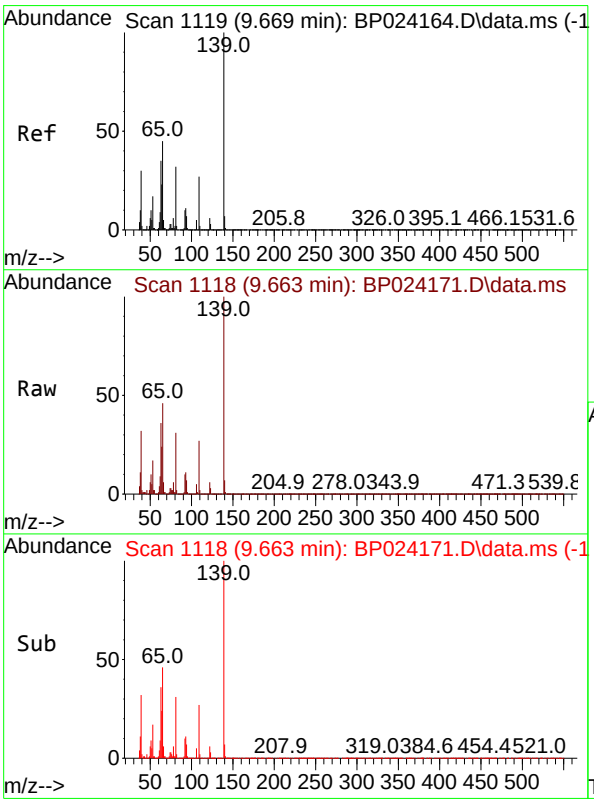

#25
Isophorone
Concen: 40.000 ng
RT: 9.475 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 82 Resp: 1626564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 6.6 | 5.3 | 7.9 |
| 138 | 18.2 | 14.8 | 22.2 |

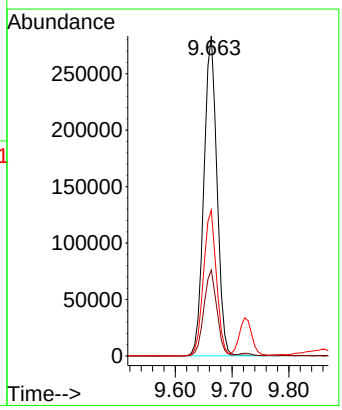


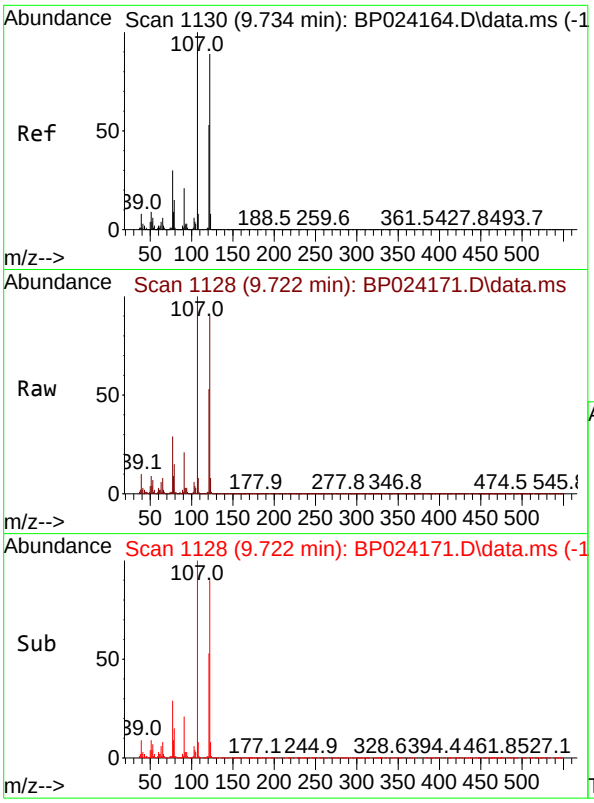




#26
2-Nitrophenol
Concen: 40.354 ng
RT: 9.663 min Scan# 1118
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:139 Resp: 451089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 26.9 | 21.7 | 32.5 |
| 65 | 45.6 | 35.8 | 53.8 |



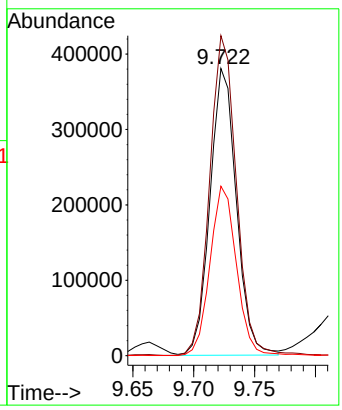


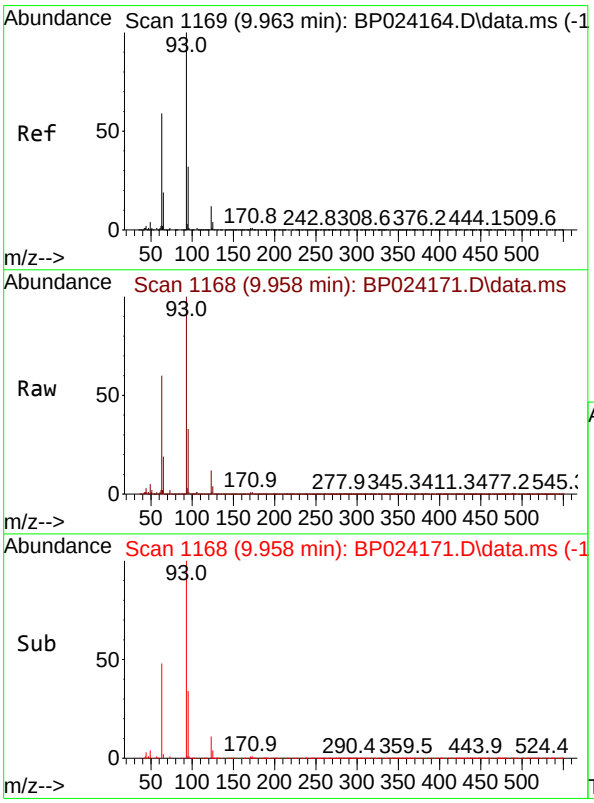

#27
2,4-Dimethylphenol
Concen: 39.969 ng
RT: 9.722 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:122 Resp: 574507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 111.4 | 89.3 | 133.9 |
| 121 | 59.0 | 47.5 | 71.3 |

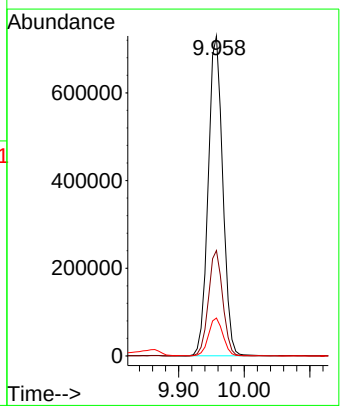


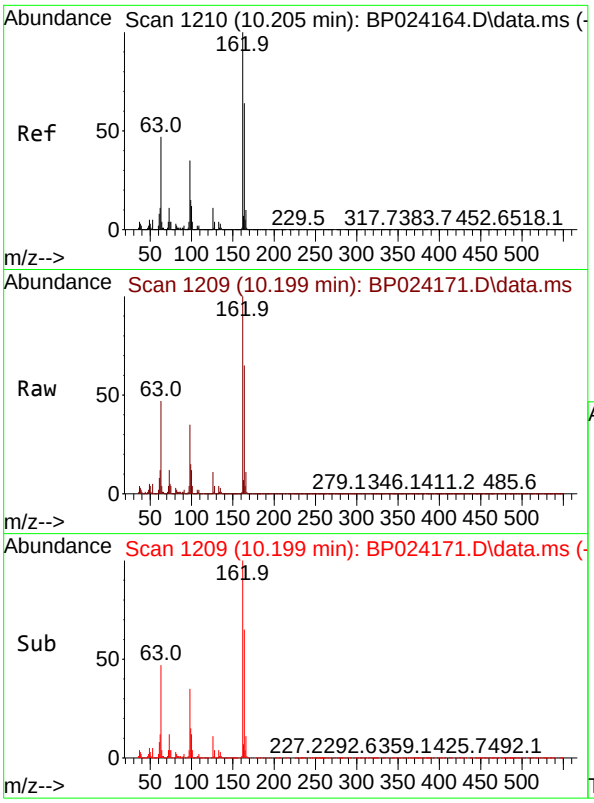




#28
bis(2-Chloroethoxy)methane
Concen: 39.279 ng
RT: 9.958 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion: 93 Resp: 1123652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.0 | 25.9 | 38.9 |
| 123 | 11.8 | 9.5 | 14.3 |



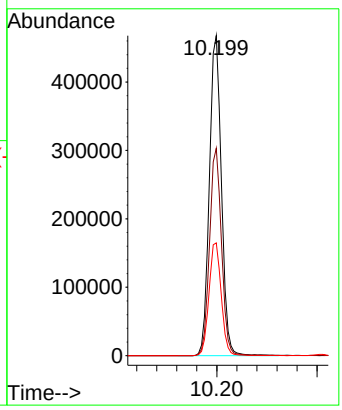


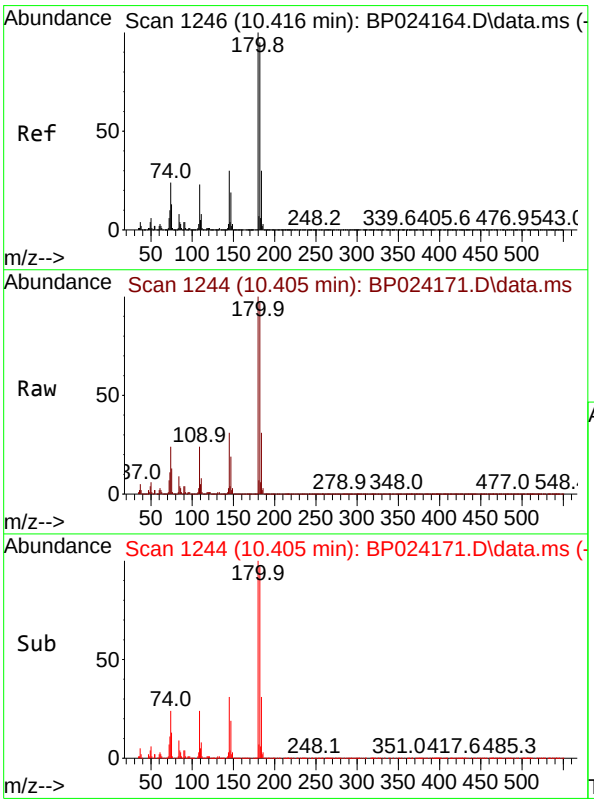

#29
2,4-Dichlorophenol
Concen: 40.100 ng
RT: 10.199 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 779715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.8 | 44.2 | 84.2 |
| 98 | 35.3 | 15.1 | 55.1 |

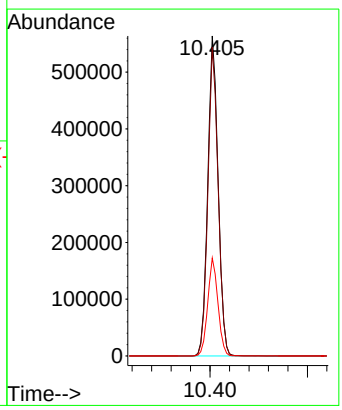


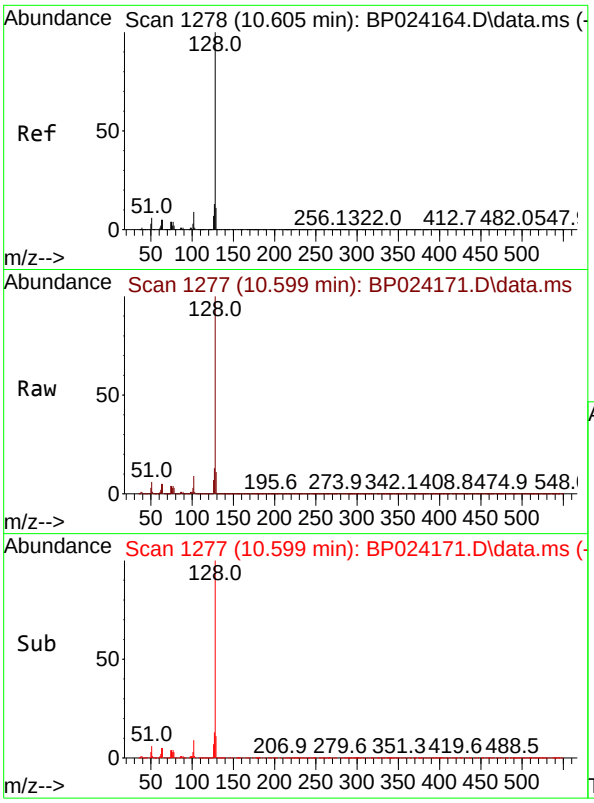




#30
1,2,4-Trichlorobenzene
Concen: 38.508 ng
RT: 10.405 min Scan# 1244
Delta R.T. -0.012 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:180 Resp: 827250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.5 | 76.1 | 114.1 |
| 145 | 30.6 | 24.2 | 36.2 |



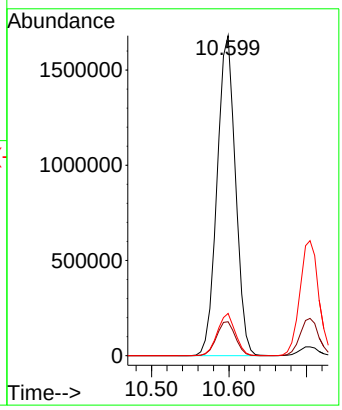


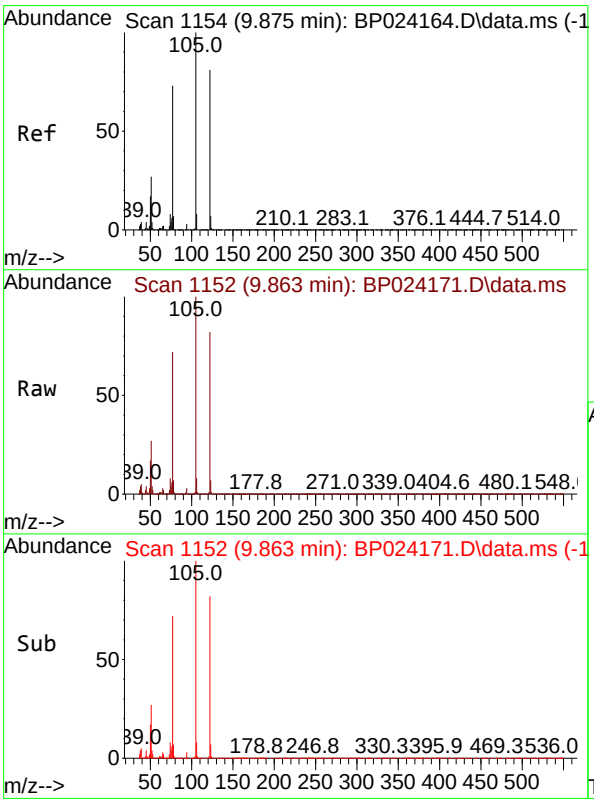

#31
Naphthalene
Concen: 39.054 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:128 Resp: 2770811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.6 | 8.7 | 13.1 |
| 127 | 13.2 | 10.4 | 15.6 |

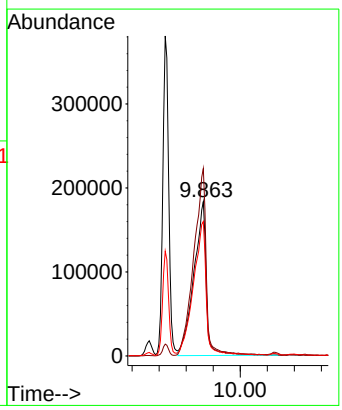


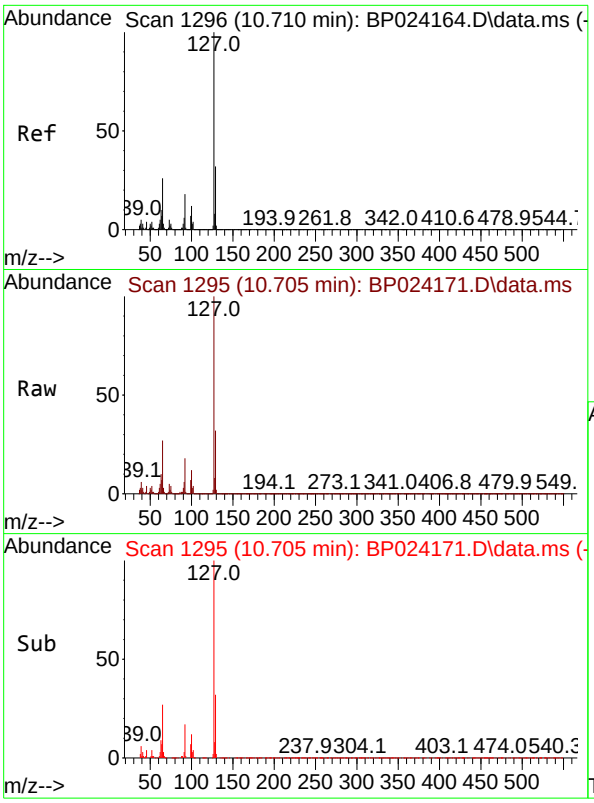




#32
Benzoic acid
Concen: 42.149 ng
RT: 9.863 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:122 Resp: 590853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 121.4 | 100.3 | 140.3 |
| 77 | 87.1 | 69.1 | 109.1 |



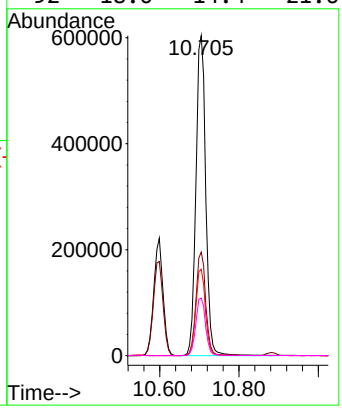


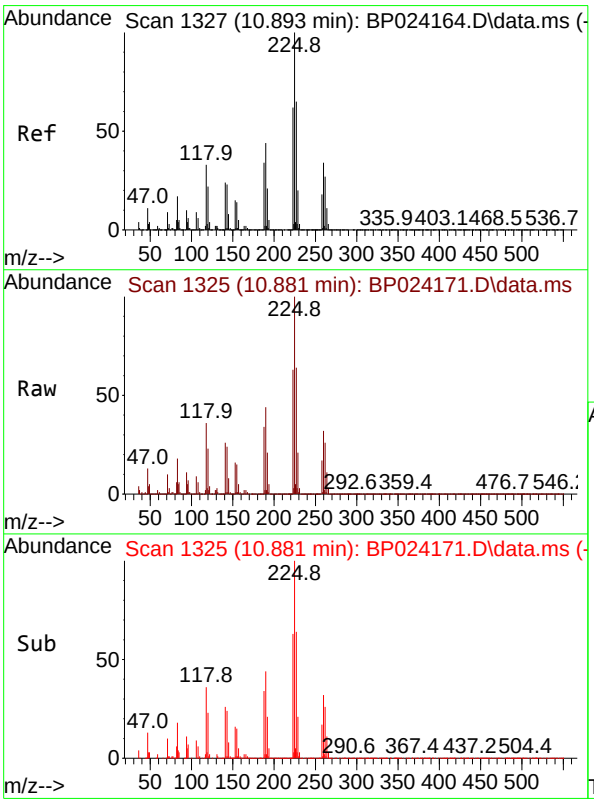

#33
4-Chloroaniline
Concen: 40.717 ng
RT: 10.705 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:127 Resp: 1033809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.4 | 25.8 | 38.6 |
| 65 | 27.0 | 21.2 | 31.8 |
| 92 | 18.0 | 14.4 | 21.6 |

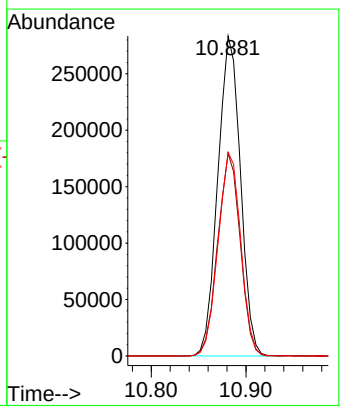


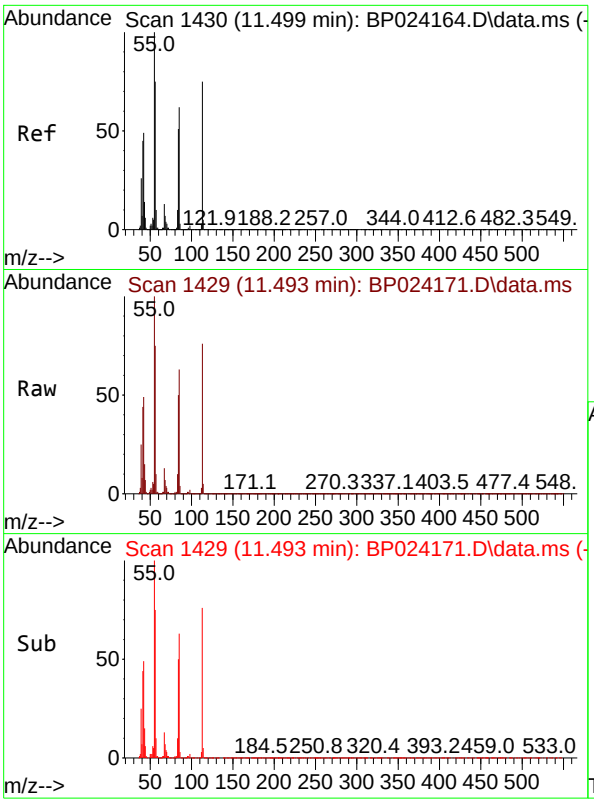




#34
Hexachlorobutadiene
Concen: 38.068 ng
RT: 10.881 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:225 Resp: 470663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.3 | 49.9 | 74.9 |
| 227 | 63.6 | 52.2 | 78.2 |



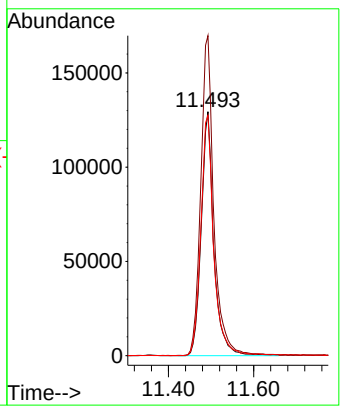


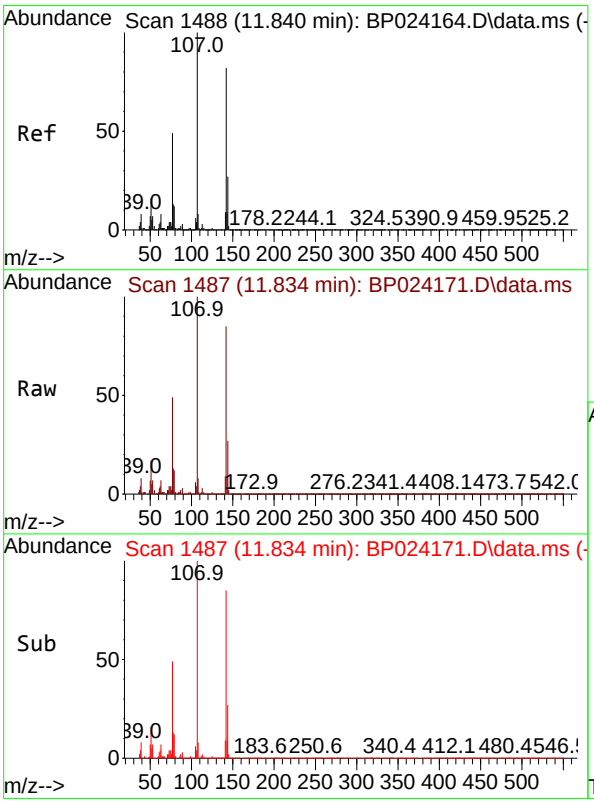

#35
Caprolactam
Concen: 41.564 ng
RT: 11.493 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:113 Resp: 264873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 131.1 | 113.6 | 153.6 |
| 56 | 98.5 | 80.0 | 120.0 |

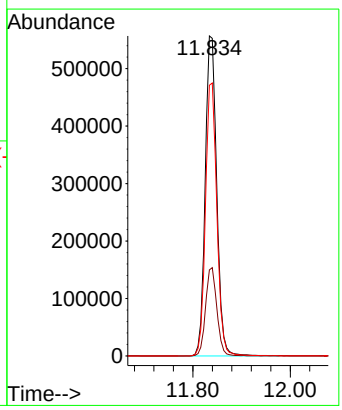


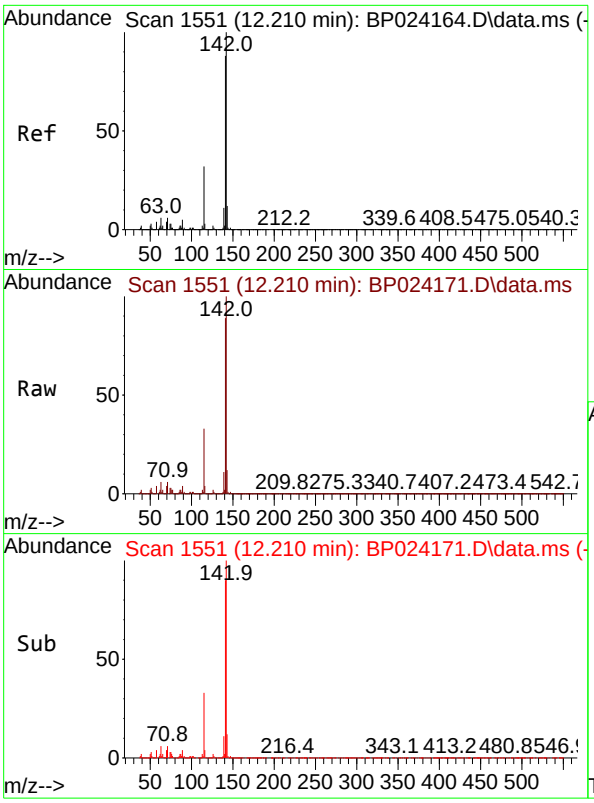




#36
4-Chloro-3-methylphenol
Concen: 43.180 ng
RT: 11.834 min Scan# 1487
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:107 Resp: 905741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 26.9 | 21.6 | 32.4 |
| 142 | 84.6 | 65.4 | 98.0 |



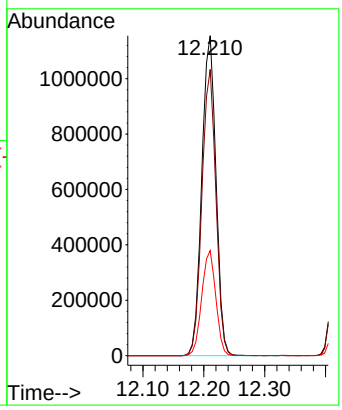


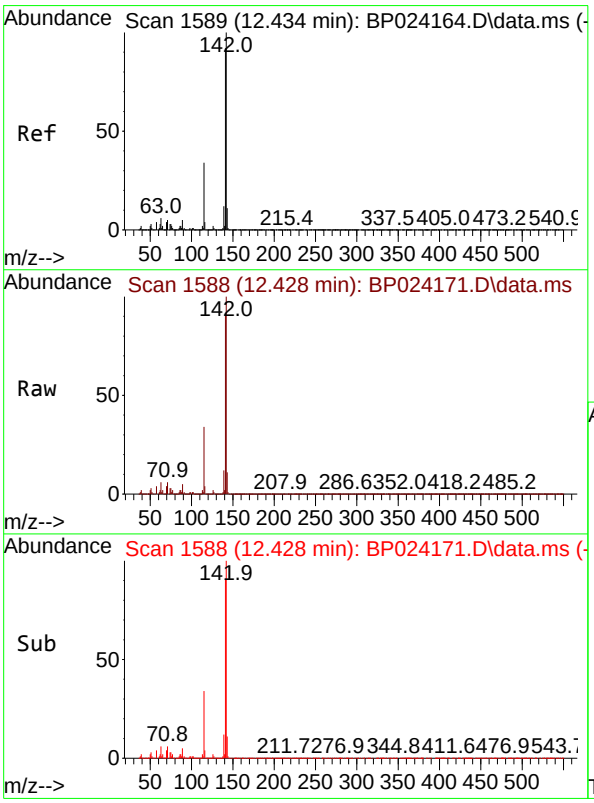

#37
2-Methylnaphthalene
Concen: 38.932 ng
RT: 12.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:142 Resp: 1866035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.4 | 70.3 | 105.5 |
| 115 | 32.9 | 26.0 | 39.0 |

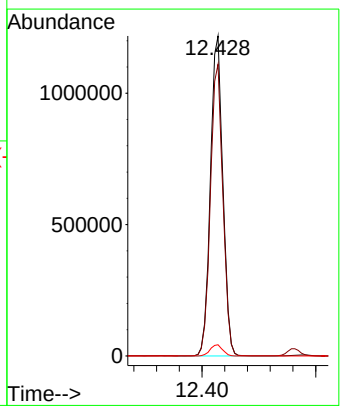


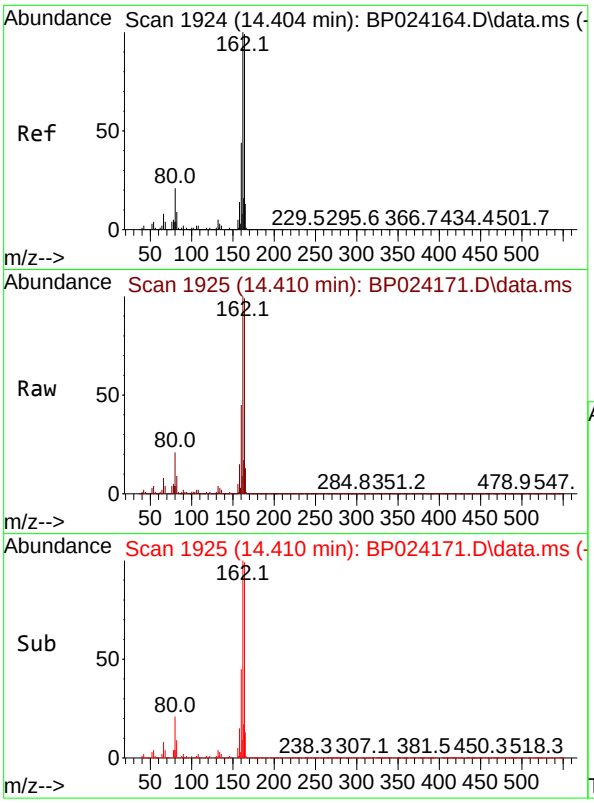




#38
1-Methylnaphthalene
Concen: 39.471 ng
RT: 12.428 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:142 Resp: 1840085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.2 | 73.9 | 110.9 |
| 116 | 3.5 | 2.8 | 4.2 |



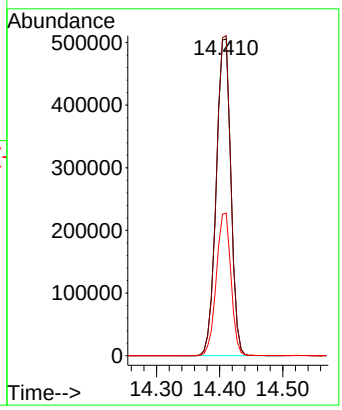


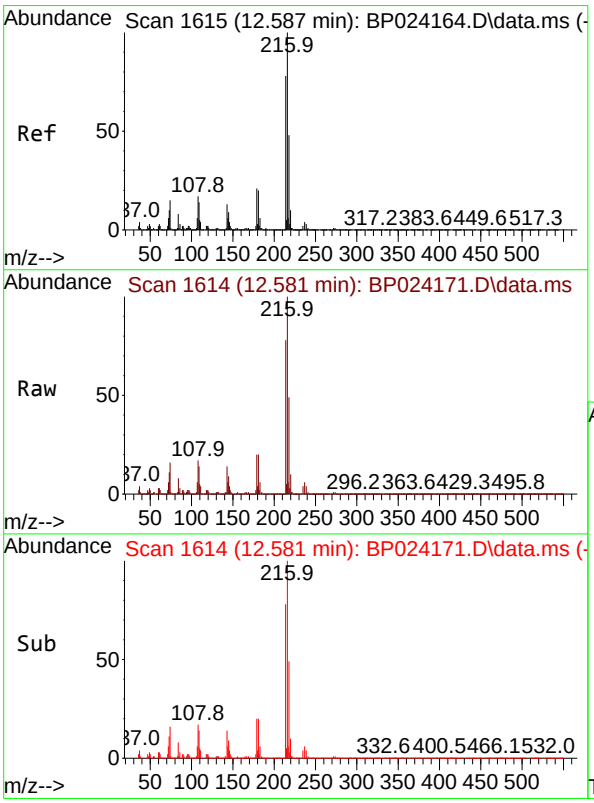

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:164 Resp: 811311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.9 | 80.6 | 121.0 |
| 160 | 45.0 | 35.4 | 53.2 |

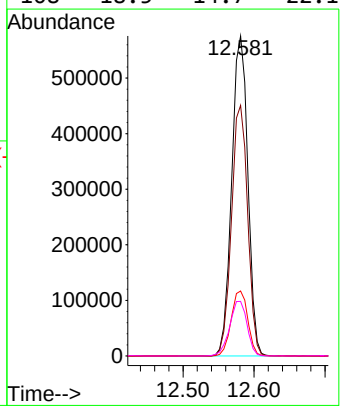


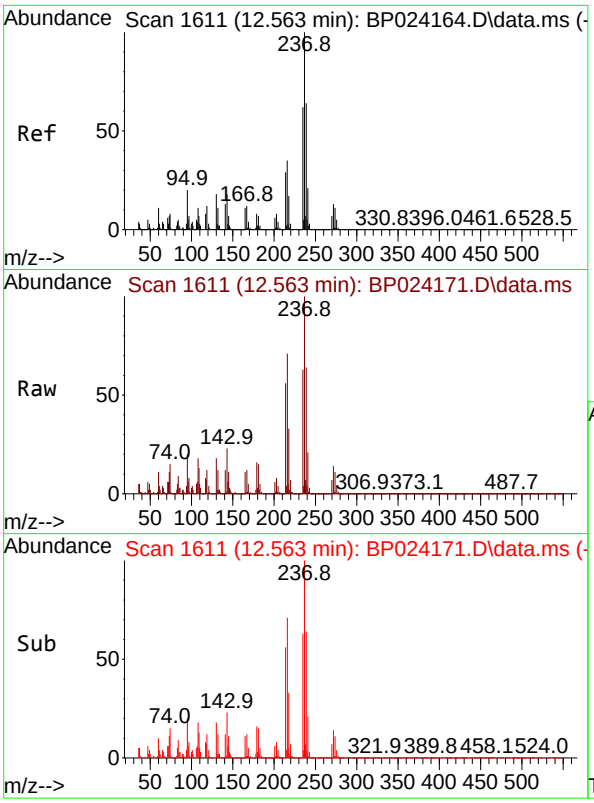




#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.818 ng
RT: 12.581 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:216 Resp: 910390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.6 | 62.8 | 94.2 |
| 179 | 20.8 | 16.8 | 25.2 |
| 108 | 18.5 | 14.7 | 22.1 |



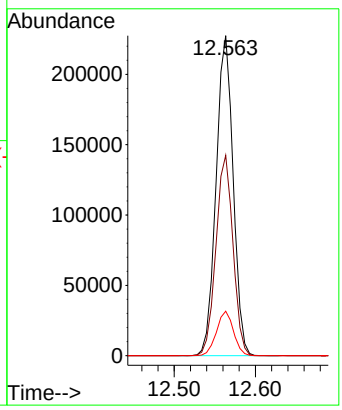


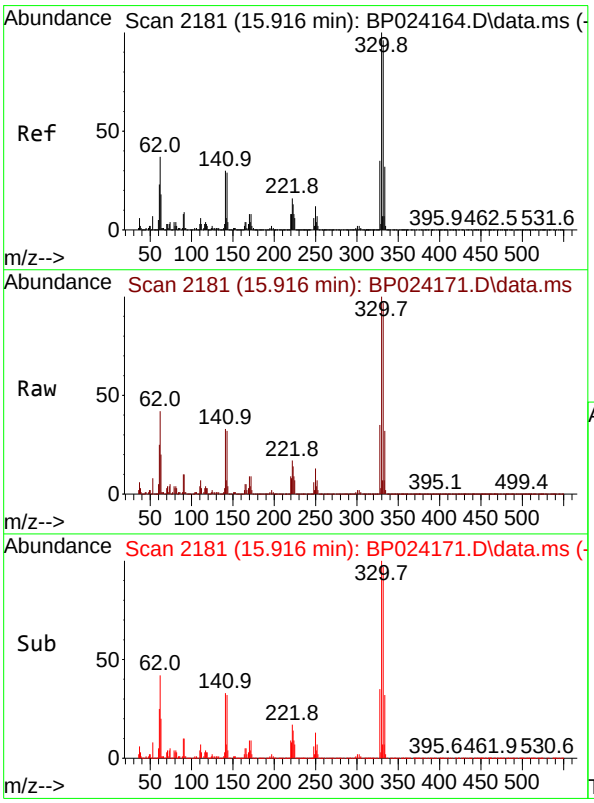

#41
Hexachlorocyclopentadiene
Concen: 39.294 ng
RT: 12.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:237 Resp: 332187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.6 | 41.8 | 81.8 |
| 272 | 13.9 | 0.0 | 33.5 |

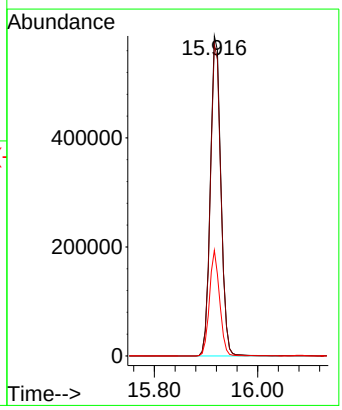


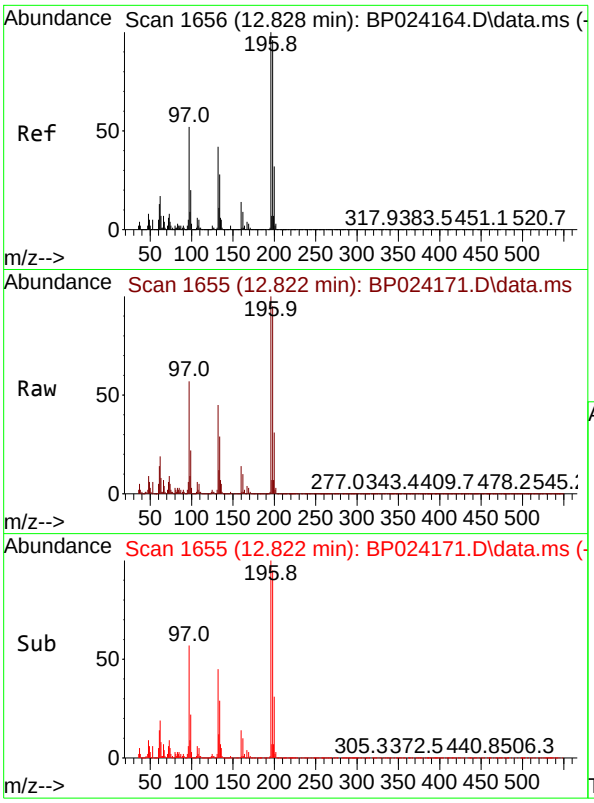




#42
2,4,6-Tribromophenol
Concen: 81.197 ng
RT: 15.916 min Scan# 2181
Delta R.T. 0.000 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:330 Resp: 829790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.4 | 77.6 | 116.4 |
| 141 | 31.7 | 25.0 | 37.6 |



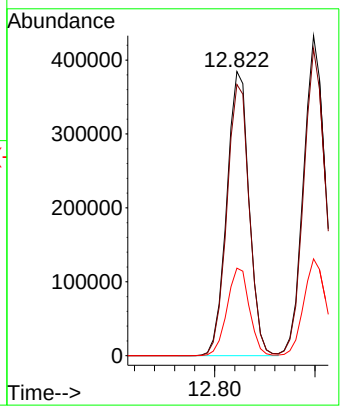


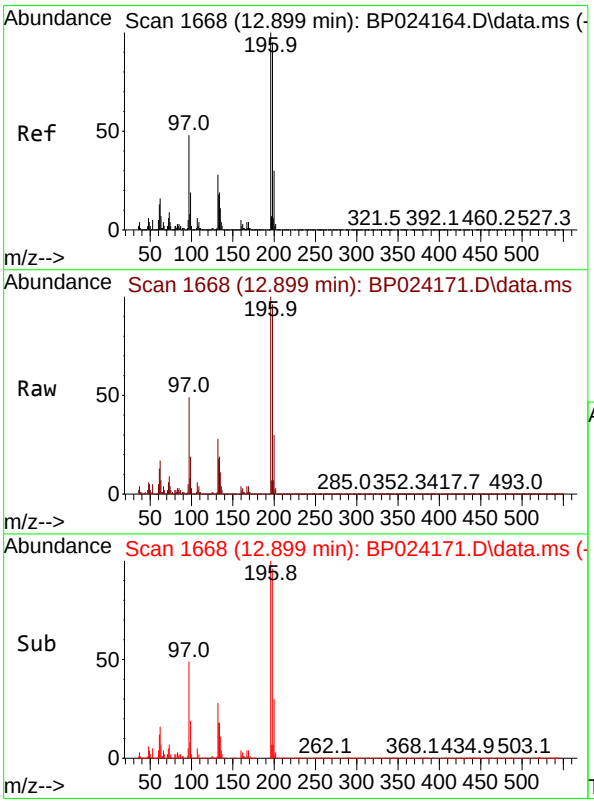

#43
2,4,6-Trichlorophenol
Concen: 39.951 ng
RT: 12.822 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:196 Resp: 595448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.4 | 76.6 | 115.0 |
| 200 | 30.8 | 25.4 | 38.0 |

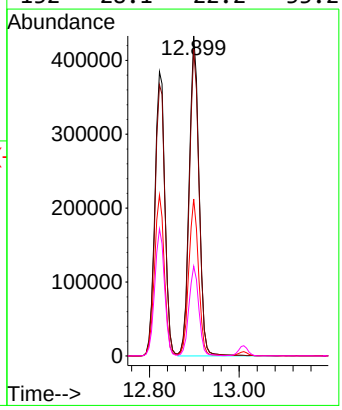


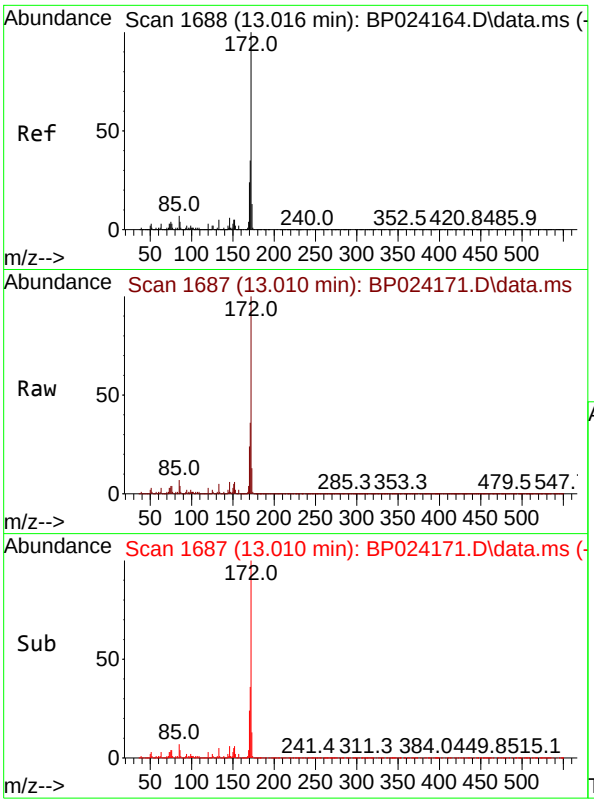




#44
2,4,5-Trichlorophenol
Concen: 40.302 ng
RT: 12.899 min Scan# 1668
Delta R.T. 0.000 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:196 Resp: 658754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 95.9 | 76.5 | 114.7 |
| 97 | 49.1 | 38.7 | 58.1 |
| 132 | 28.1 | 22.2 | 33.2 |



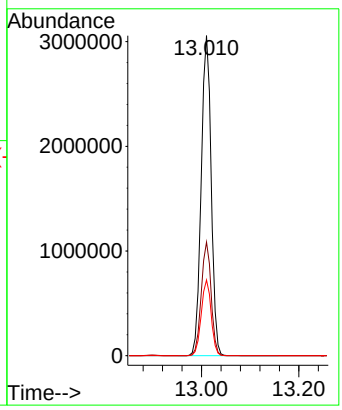


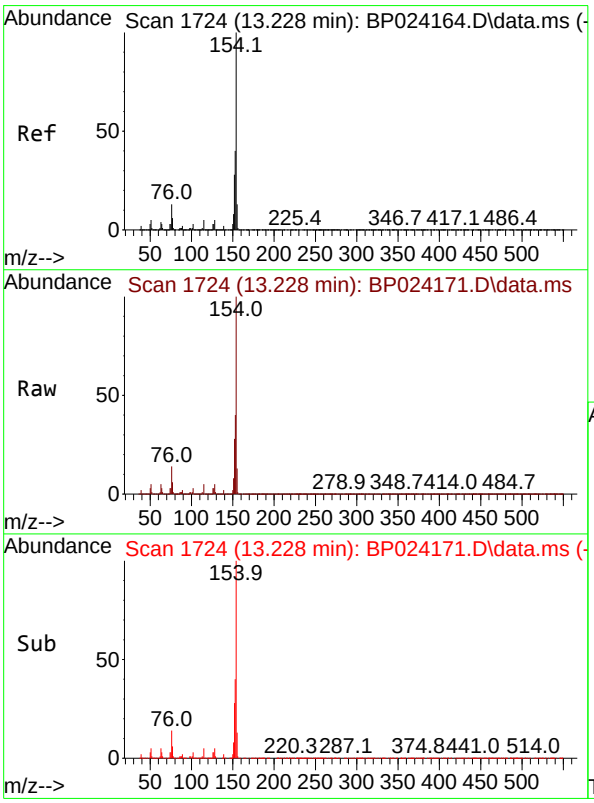

#45
2-Fluorobiphenyl
Concen: 78.744 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:172 Resp: 4332655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.5 | 28.3 | 42.5 |
| 170 | 23.6 | 19.0 | 28.4 |

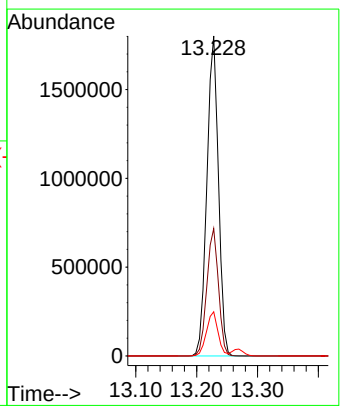


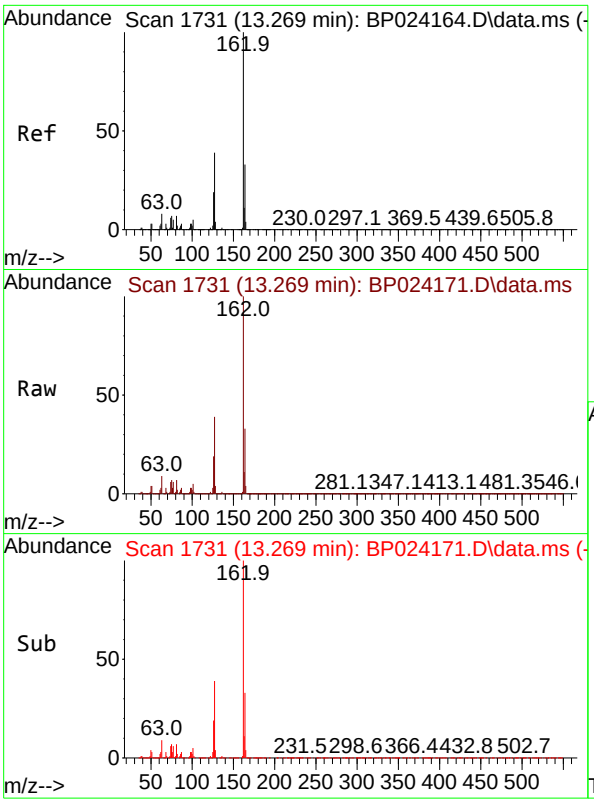




#46
1,1'-Biphenyl
Concen: 38.908 ng
RT: 13.228 min Scan# 1724
Delta R.T. 0.000 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:154 Resp: 2372057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 39.8 | 20.3 | 60.3 |
| 76 | 13.8 | 0.0 | 32.9 |



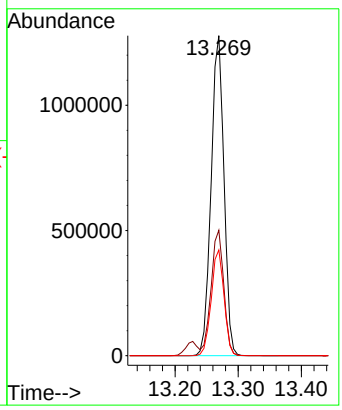


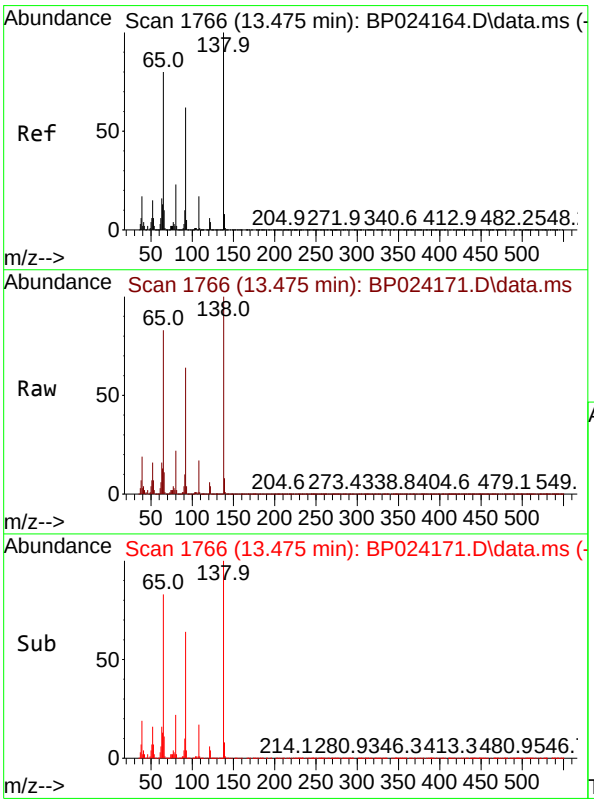

#47
2-Chloronaphthalene
Concen: 39.264 ng
RT: 13.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:162 Resp: 1800527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 39.2 | 31.5 | 47.3 |
| 164 | 33.0 | 26.6 | 39.8 |

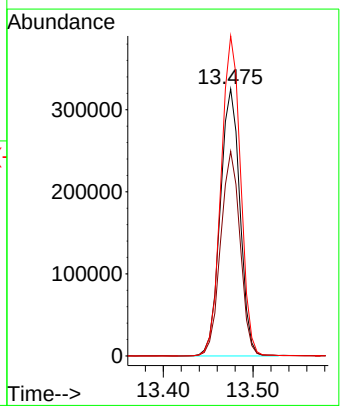


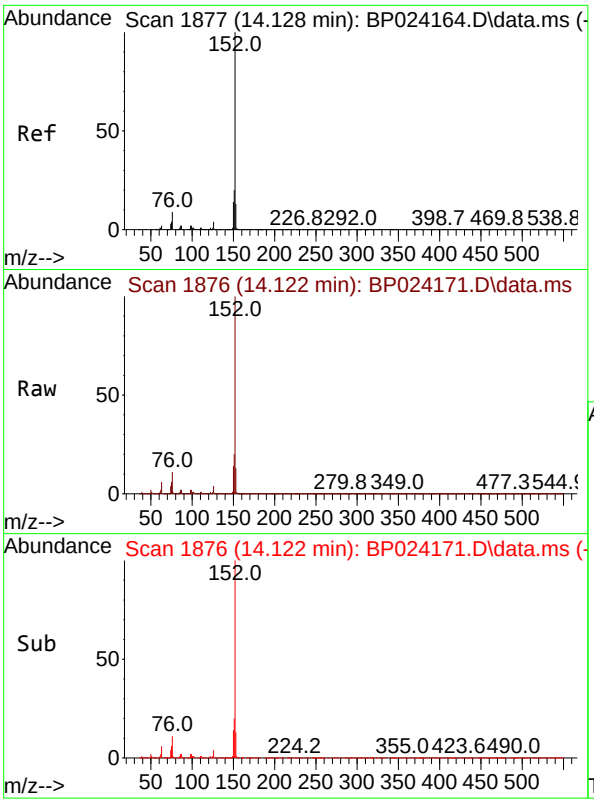




#48
2-Nitroaniline
Concen: 42.201 ng
RT: 13.475 min Scan# 1766
Delta R.T. 0.000 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion: 65 Resp: 494971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 76.6 | 62.1 | 93.1 |
| 138 | 119.8 | 99.5 | 149.3 |



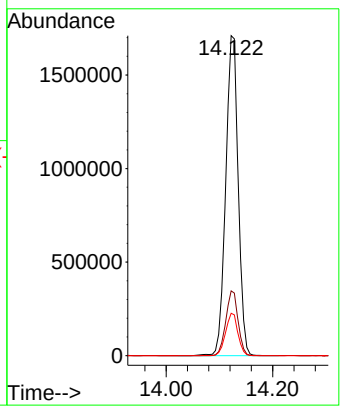


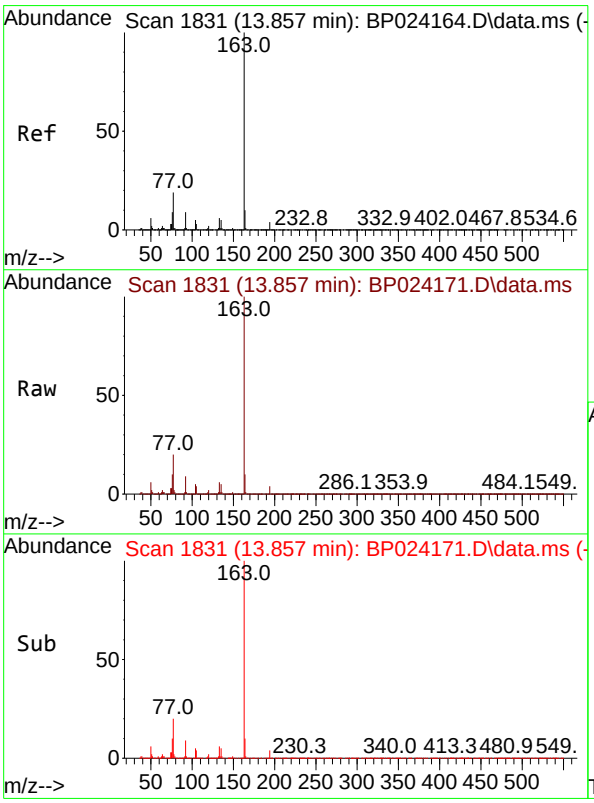

#49
Acenaphthylene
Concen: 40.141 ng
RT: 14.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:152 Resp: 2785296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.0 | 24.0 |
| 153 | 13.3 | 10.6 | 15.8 |

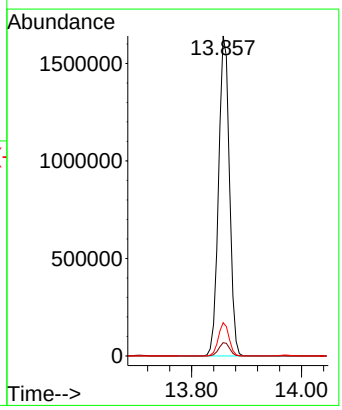


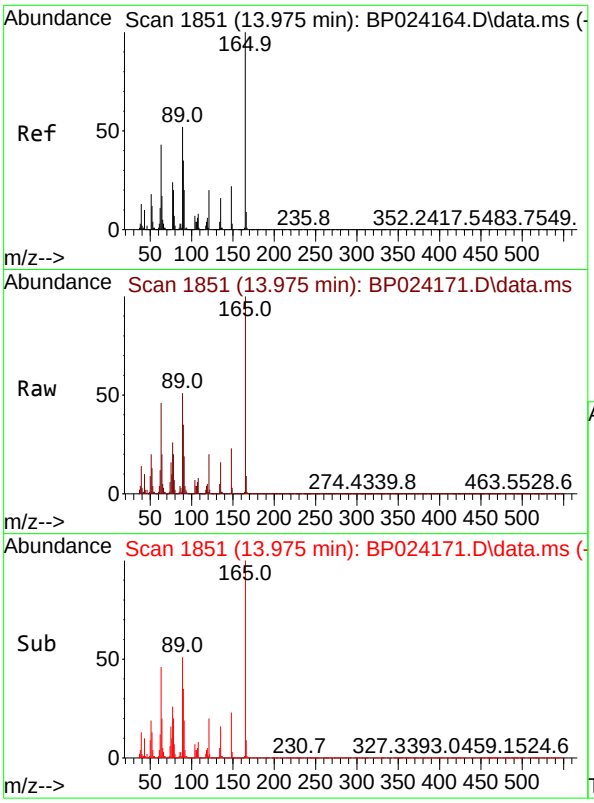




#50
Dimethylphthalate
Concen: 39.619 ng
RT: 13.857 min Scan# 1831
Delta R.T. 0.000 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:163 Resp: 2249113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.4 | 5.0 |
| 164 | 10.4 | 8.2 | 12.4 |



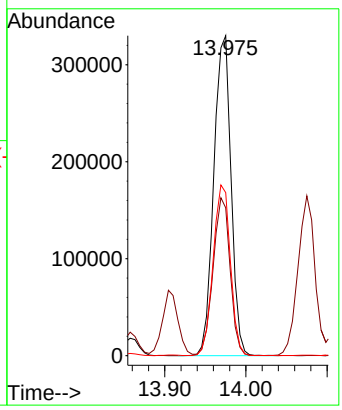


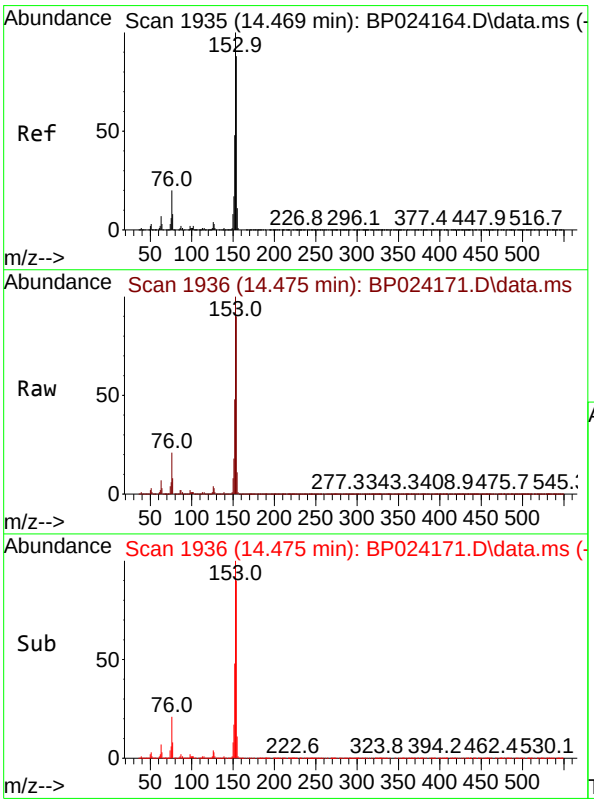

#51
2,6-Dinitrotoluene
Concen: 40.744 ng
RT: 13.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 486661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 46.2 | 37.7 | 56.5 |
| 89 | 51.0 | 41.9 | 62.9 |

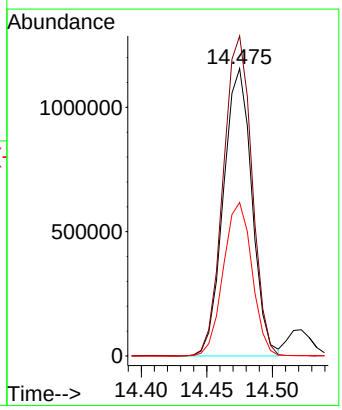


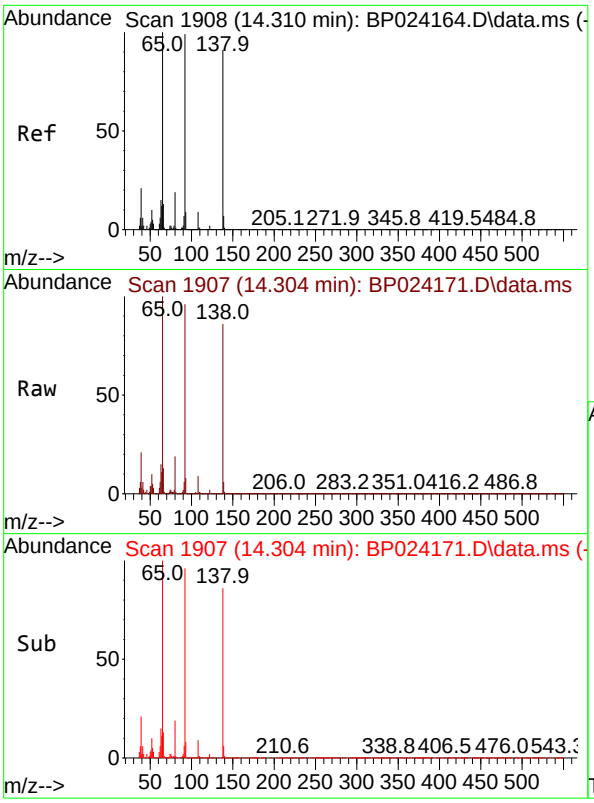




#52
Acenaphthene
Concen: 39.454 ng
RT: 14.475 min Scan# 1936
Delta R.T. 0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:154 Resp: 1749122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.3 | 90.5 | 135.7 |
| 152 | 53.4 | 43.1 | 64.7 |



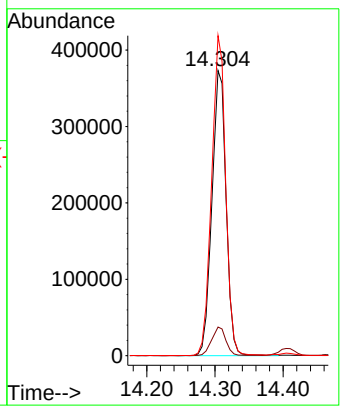


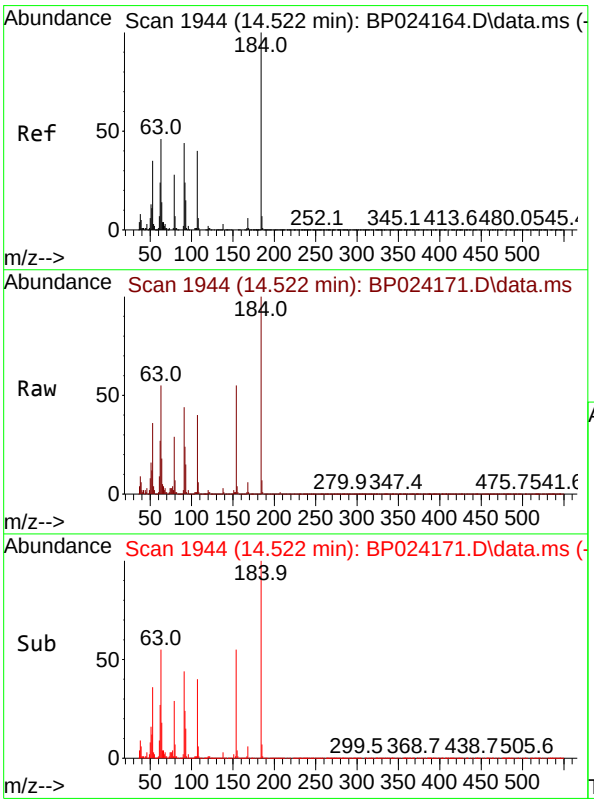

#53
3-Nitroaniline
Concen: 41.797 ng
RT: 14.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:138 Resp: 539214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 10.1 | 8.2 | 12.2 |
| 92 | 112.2 | 86.7 | 130.1 |

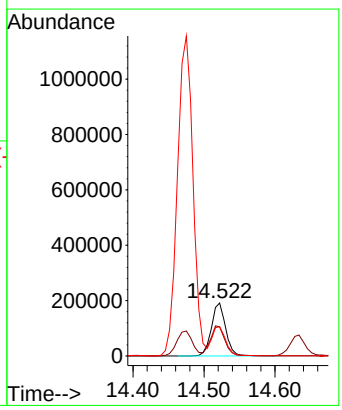


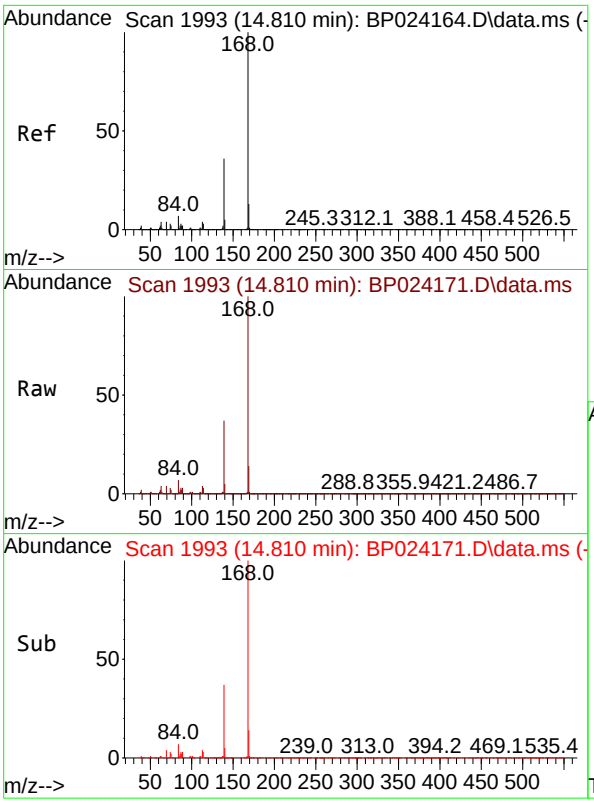




#54
2,4-Dinitrophenol
Concen: 42.187 ng
RT: 14.522 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:184 Resp: 266632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 55.0 | 42.1 | 63.1 |
| 154 | 55.3 | 44.6 | 67.0 |



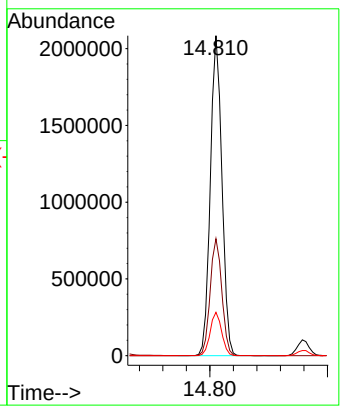


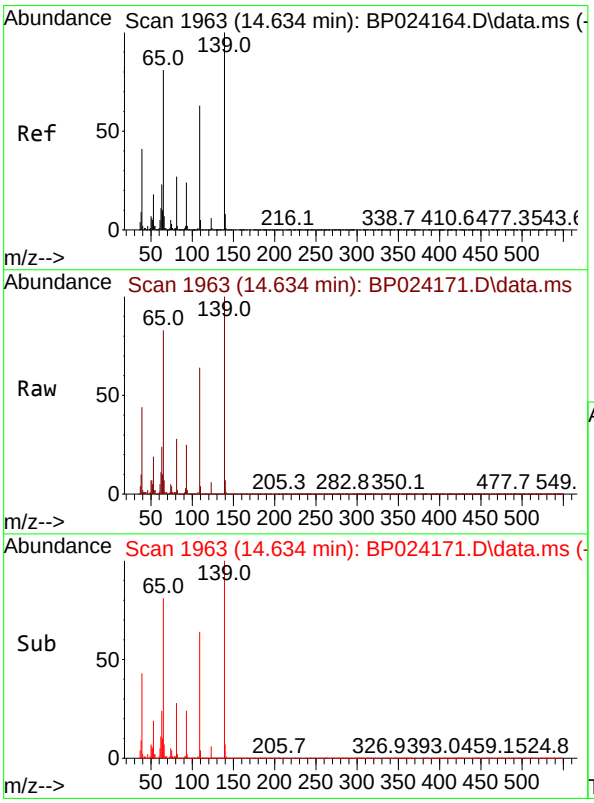

#55
Dibenzofuran
Concen: 39.663 ng
RT: 14.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:168 Resp: 2848254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 36.5 | 29.1 | 43.7 |
| 169 | 13.6 | 10.8 | 16.2 |

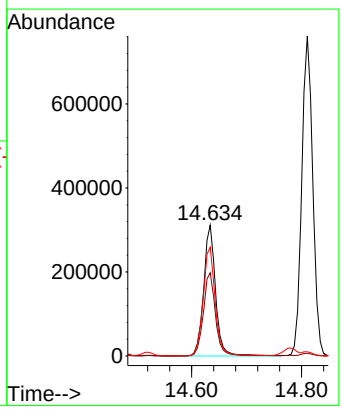


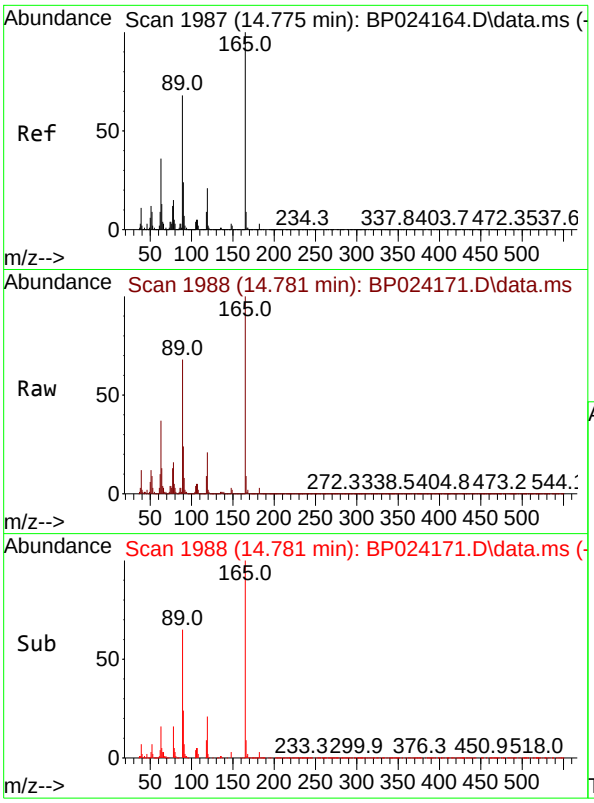




#56
4-Nitrophenol
Concen: 43.198 ng
RT: 14.634 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:139 Resp: 465657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 63.6 | 43.3 | 83.3 |
| 65 | 83.1 | 61.2 | 101.2 |



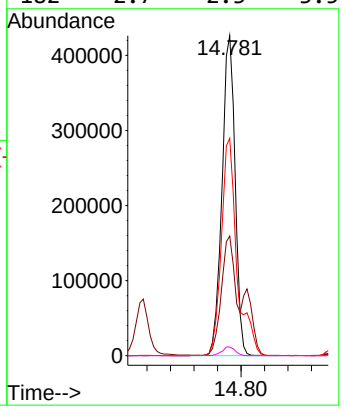


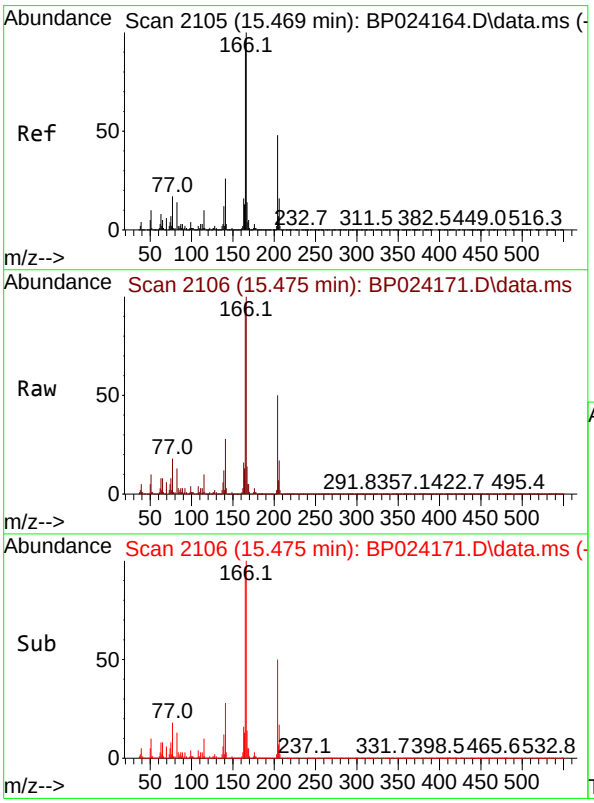

#57
2,4-Dinitrotoluene
Concen: 41.767 ng
RT: 14.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:165 Resp: 658978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 37.4 | 29.0 | 43.6 |
| 89 | 67.9 | 54.2 | 81.4 |
| 182 | 2.7 | 2.3 | 3.5 |

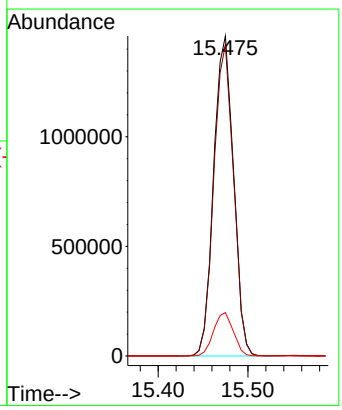


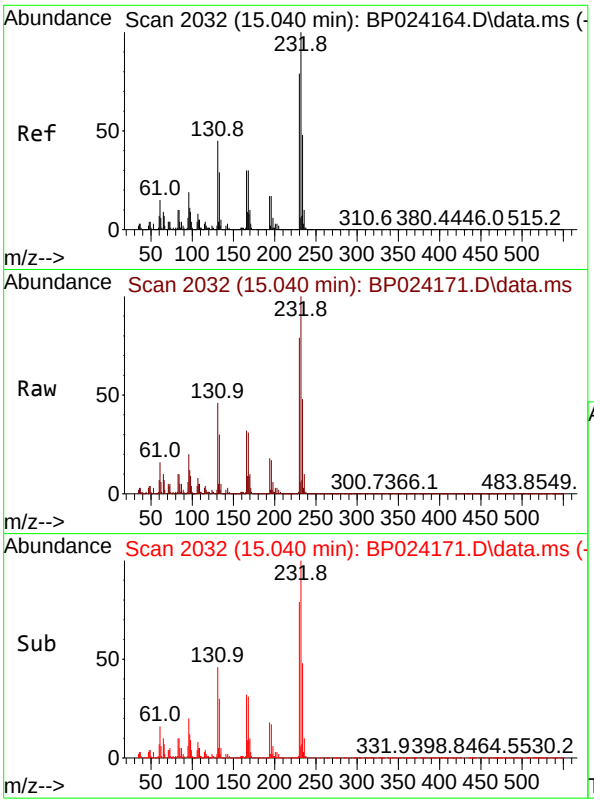




#58
Fluorene
Concen: 40.112 ng
RT: 15.475 min Scan# 2106
Delta R.T. 0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:166 Resp: 2244338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.3 | 77.6 | 116.4 |
| 167 | 13.5 | 10.8 | 16.2 |



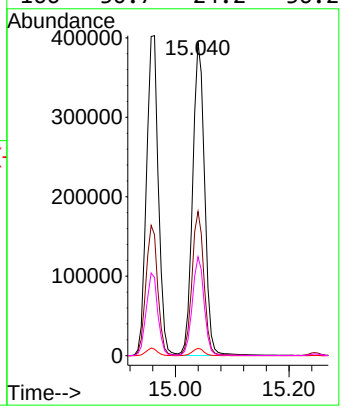


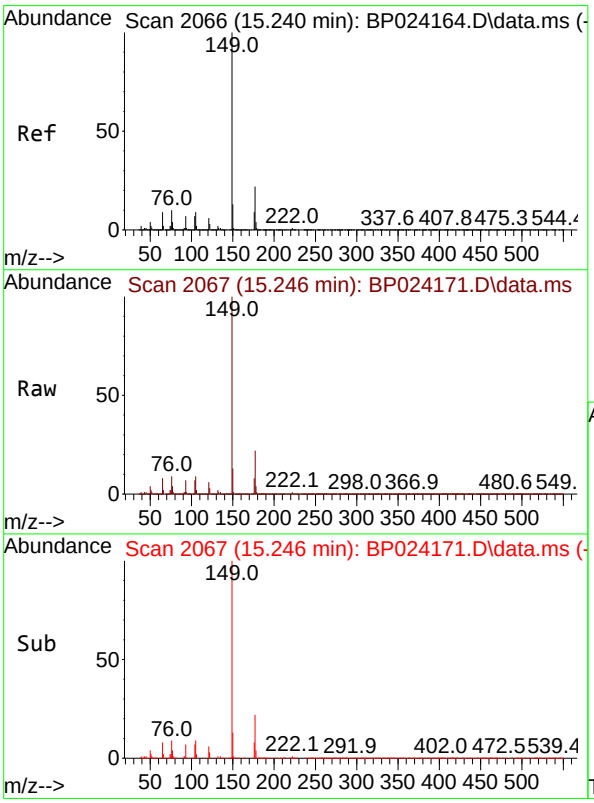

#59
2,3,4,6-Tetrachlorophenol
Concen: 40.199 ng
RT: 15.040 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:232 Resp: 580529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 45.7 | 35.9 | 53.9 |
| 130 | 2.3 | 1.8 | 2.6 |
| 166 | 30.7 | 24.2 | 36.2 |

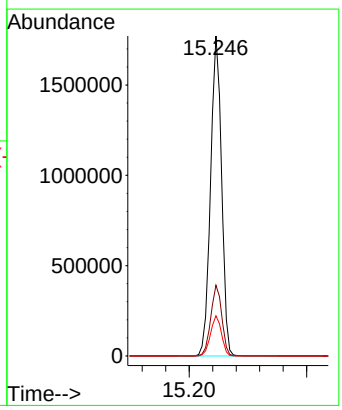


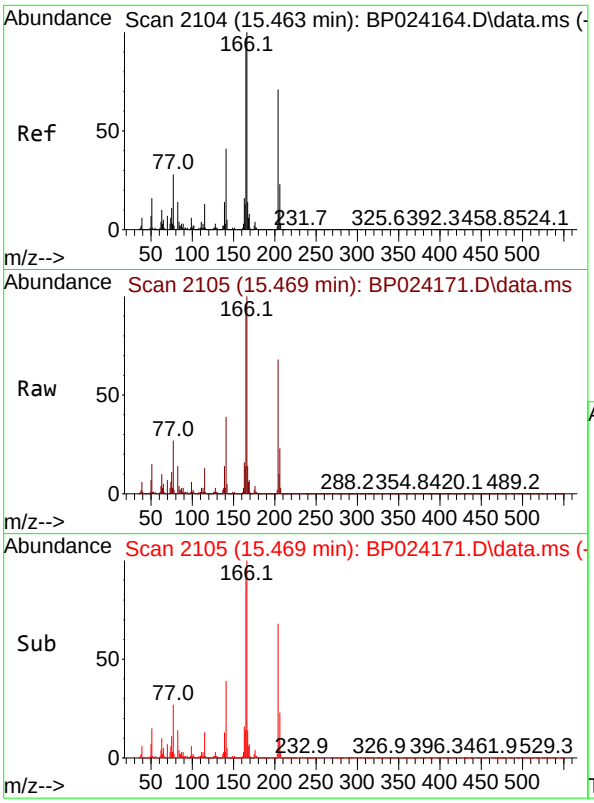




#60
Diethylphthalate
Concen: 40.573 ng
RT: 15.246 min Scan# 2067
Delta R.T. 0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:149 Resp: 2293687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.1 | 17.7 | 26.5 |
| 150 | 12.6 | 10.2 | 15.4 |



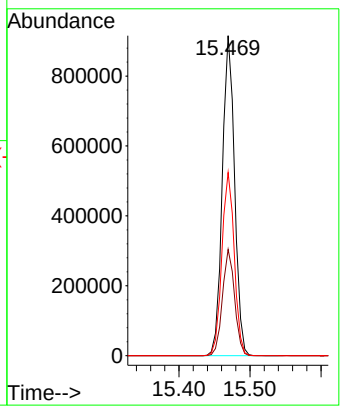


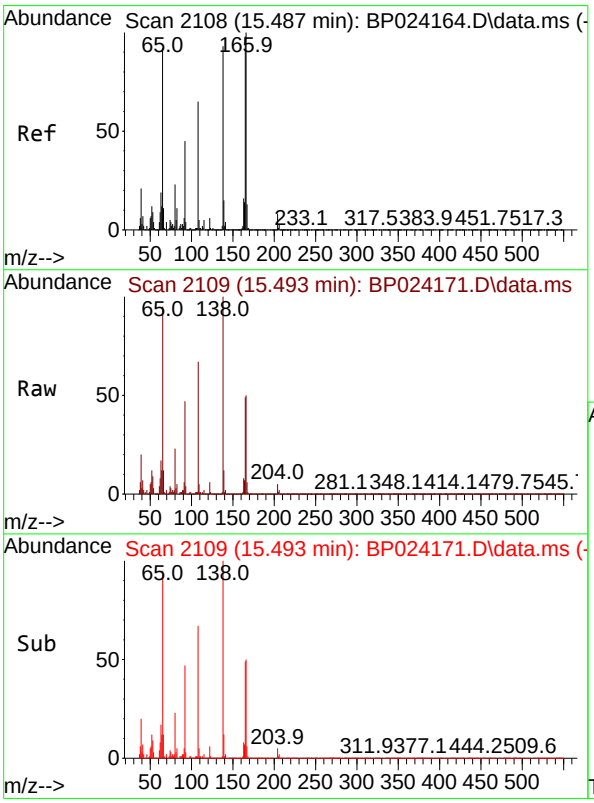

#61
4-Chlorophenyl-phenylether
Concen: 39.723 ng
RT: 15.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:204 Resp: 1090107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 33.2 | 26.4 | 39.6 |
| 141 | 57.2 | 45.8 | 68.8 |

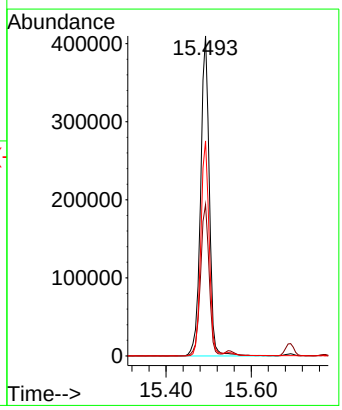


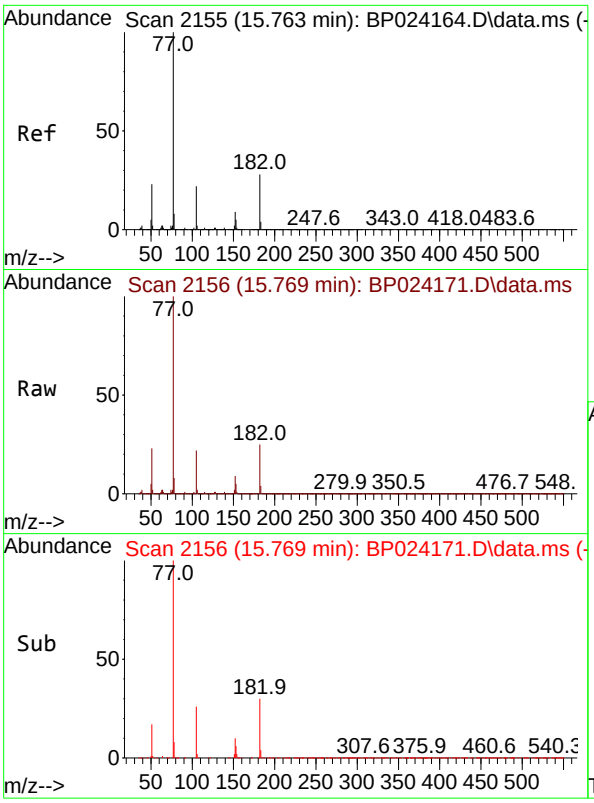




#62
4-Nitroaniline
Concen: 43.066 ng
RT: 15.493 min Scan# 2109
Delta R.T. 0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:138 Resp: 582707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 47.3 | 28.7 | 68.7 |
| 108 | 67.2 | 49.5 | 89.5 |



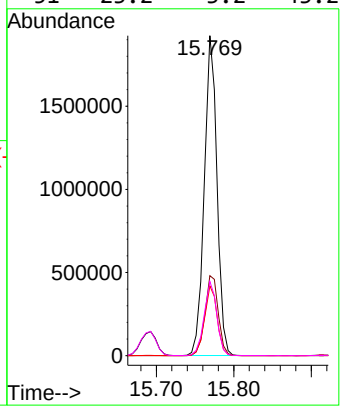


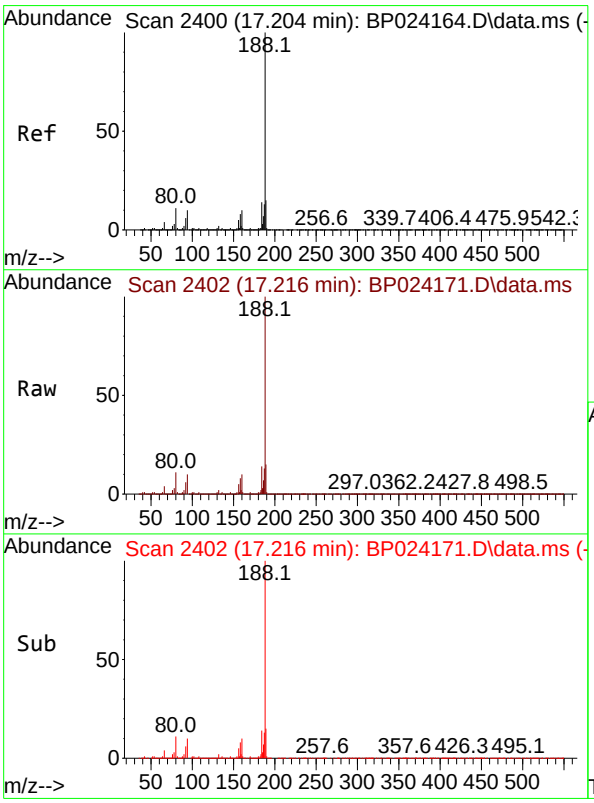

#63
Azobenzene
Concen: 40.952 ng
RT: 15.769 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion: 77 Resp: 2182033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 25.0 | 7.7 | 47.7 |
| 105 | 21.8 | 2.3 | 42.3 |
| 51 | 23.2 | 3.2 | 43.2 |

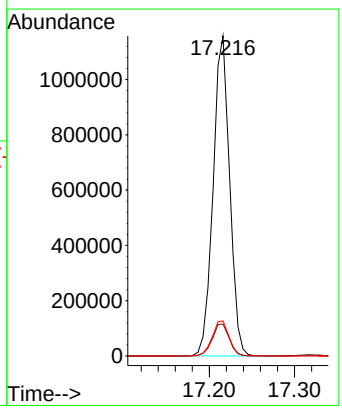


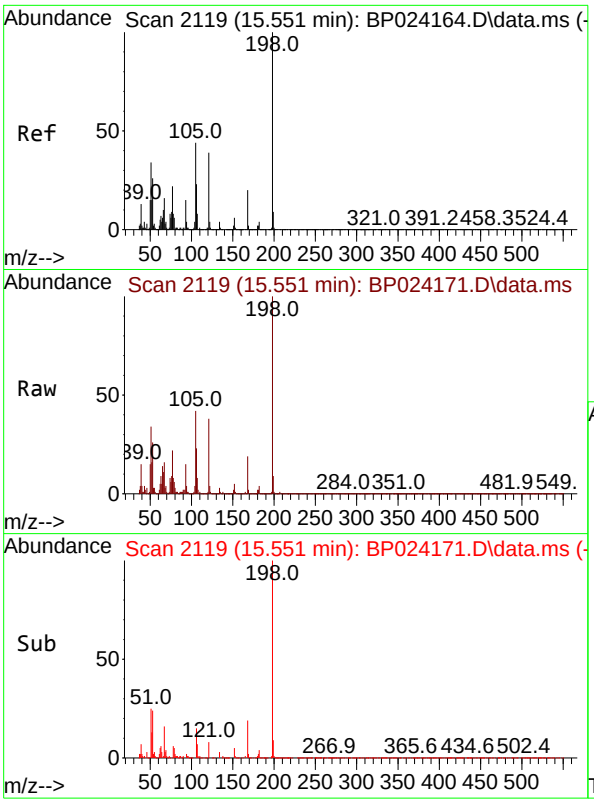




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2402
Delta R.T. 0.012 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:188 Resp: 1560243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.9 | 8.1 | 12.1 |
| 80 | 11.0 | 8.9 | 13.3 |



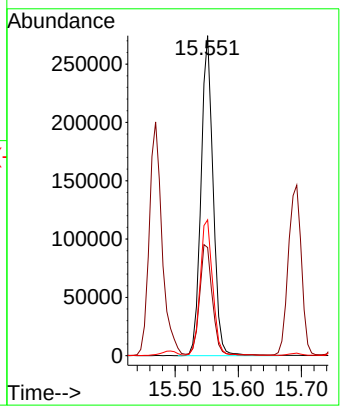


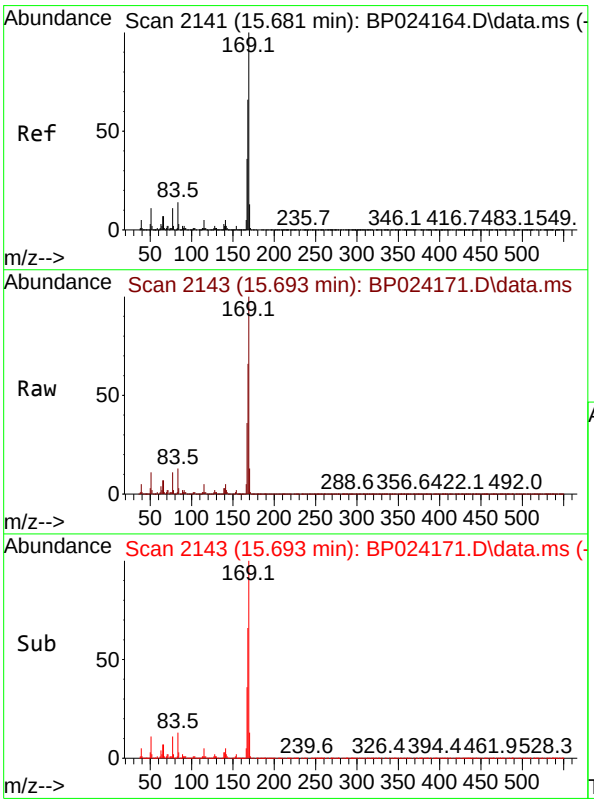

#65
4,6-Dinitro-2-methylphenol
Concen: 39.360 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:198 Resp: 364570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 33.8 | 14.7 | 54.7 |
| 105 | 42.5 | 23.8 | 63.8 |

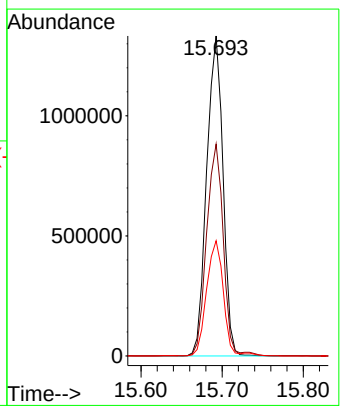


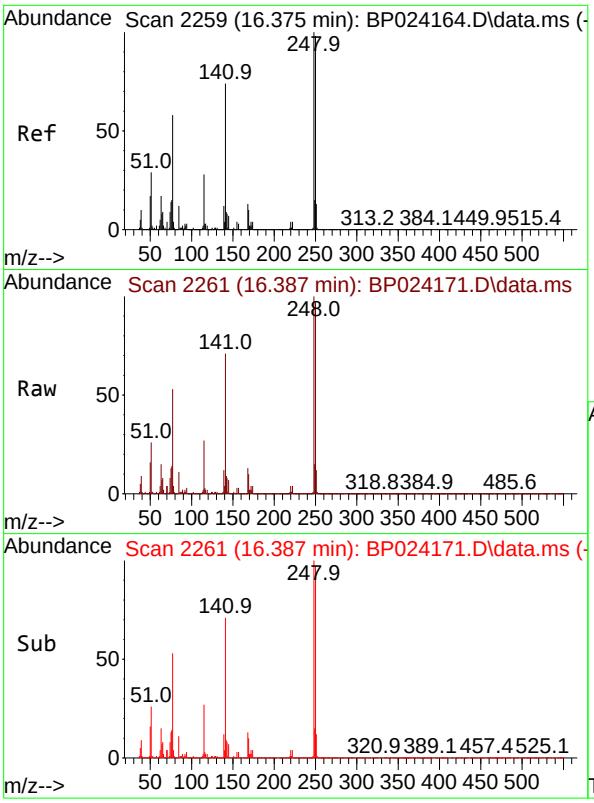




#66
n-Nitrosodiphenylamine
Concen: 39.157 ng
RT: 15.693 min Scan# 2143
Delta R.T. 0.012 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:169 Resp: 1855220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.2 | 52.9 | 79.3 |
| 167 | 36.0 | 28.8 | 43.2 |



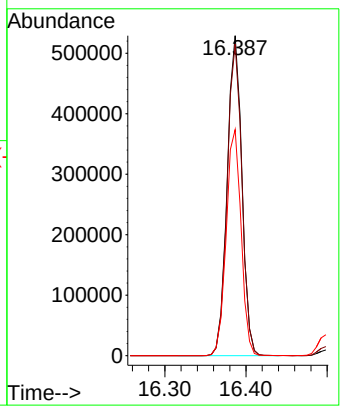


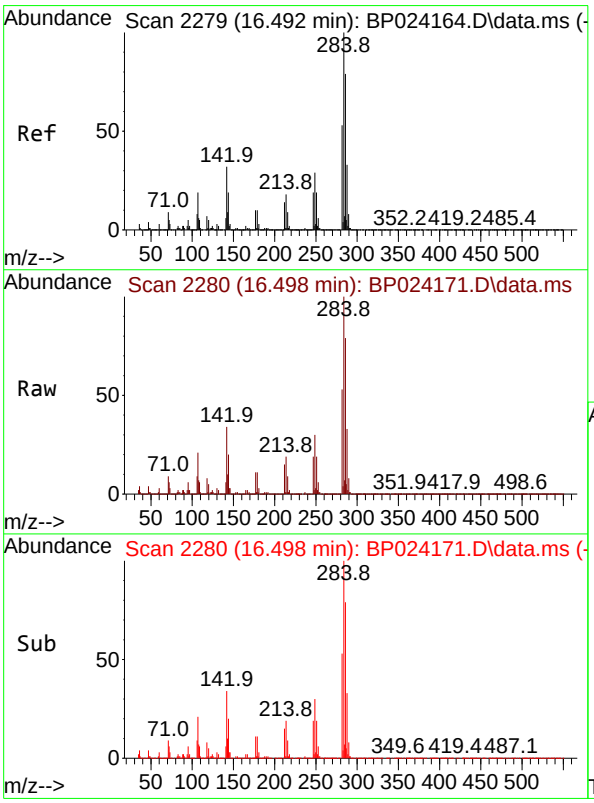

#67
4-Bromophenyl-phenylether
Concen: 38.860 ng
RT: 16.387 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:248 Resp: 665669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.4 | 78.4 | 117.6 |
| 141 | 70.6 | 59.4 | 89.0 |

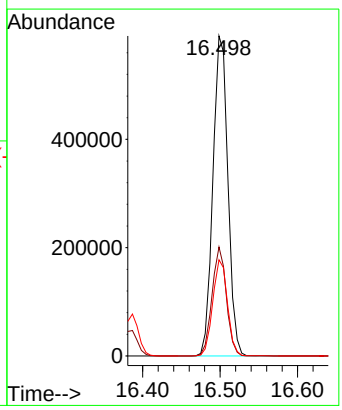


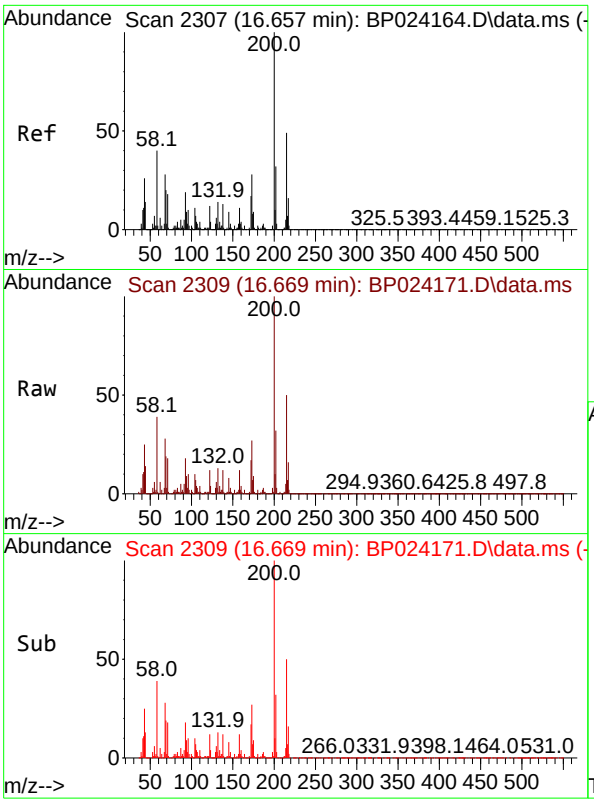




#68
Hexachlorobenzene
Concen: 39.025 ng
RT: 16.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:284 Resp: 791231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.1 | 25.4 | 38.2 |
| 249 | 30.0 | 23.5 | 35.3 |



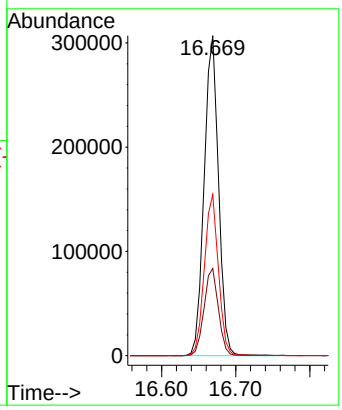


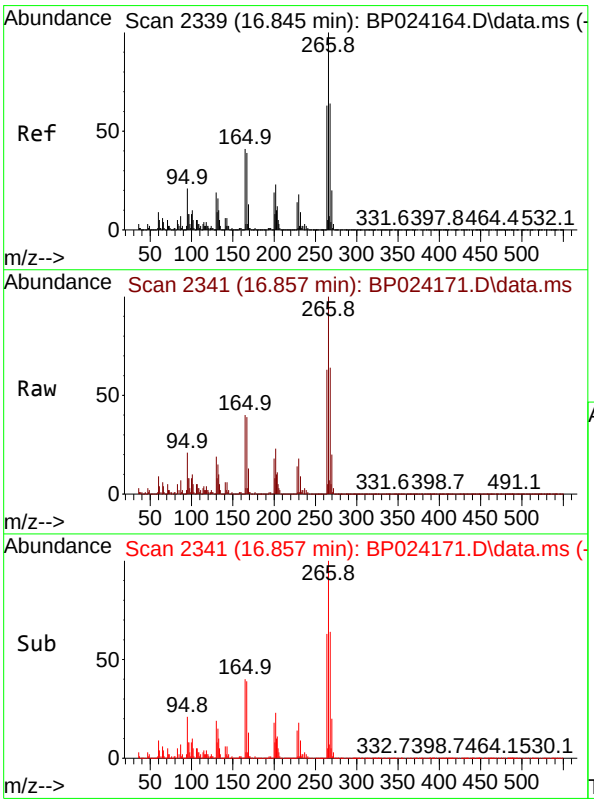

#69
Atrazine
Concen: 36.093 ng
RT: 16.669 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:200 Resp: 412759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 27.2 | 7.6 | 47.6 |
| 215 | 50.4 | 29.0 | 69.0 |

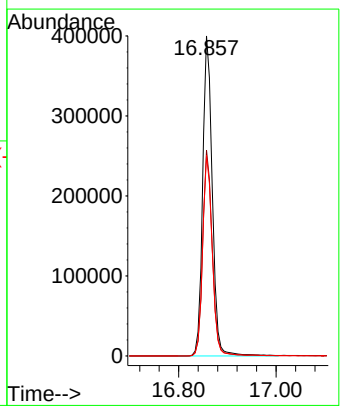


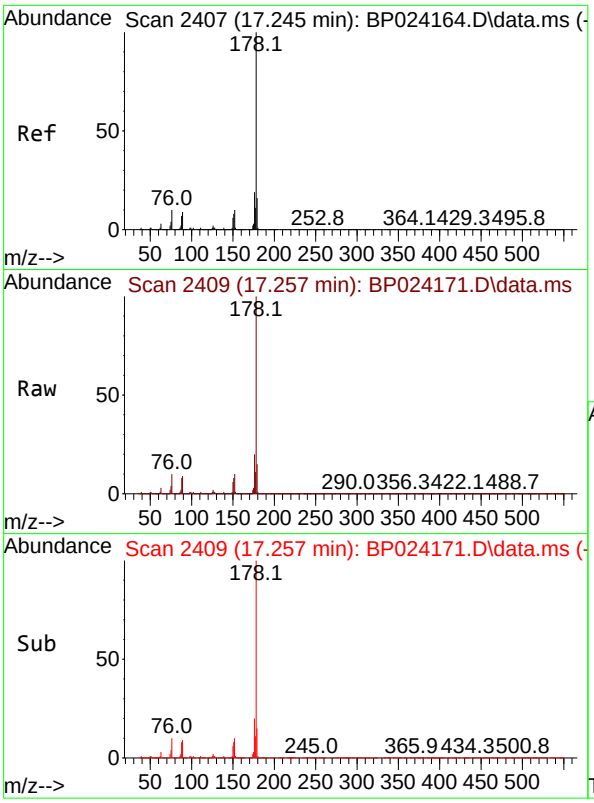




#70
Pentachlorophenol
Concen: 41.861 ng
RT: 16.857 min Scan# 2341
Delta R.T. 0.012 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:266 Resp: 548868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.3 | 51.3 | 76.9 |
| 264 | 62.7 | 50.6 | 76.0 |



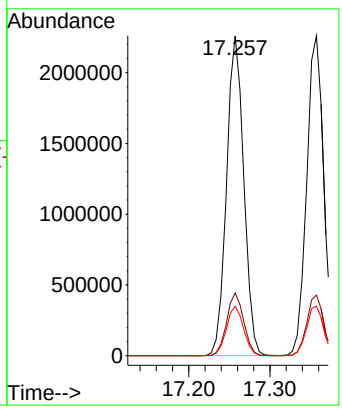


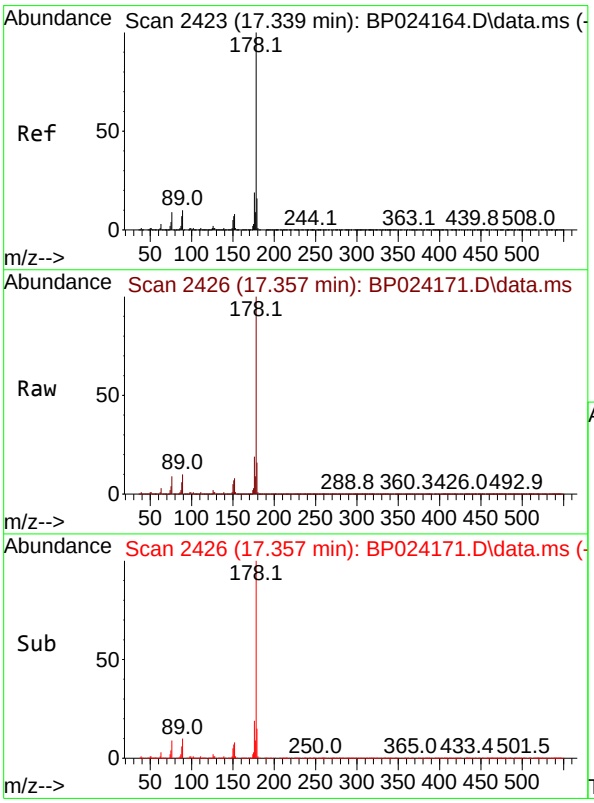

#71
Phenanthrene
Concen: 39.016 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:178 Resp: 3325589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.6 | 15.6 | 23.4 |
| 179 | 15.5 | 12.5 | 18.7 |

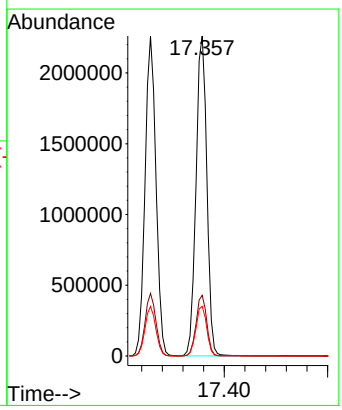


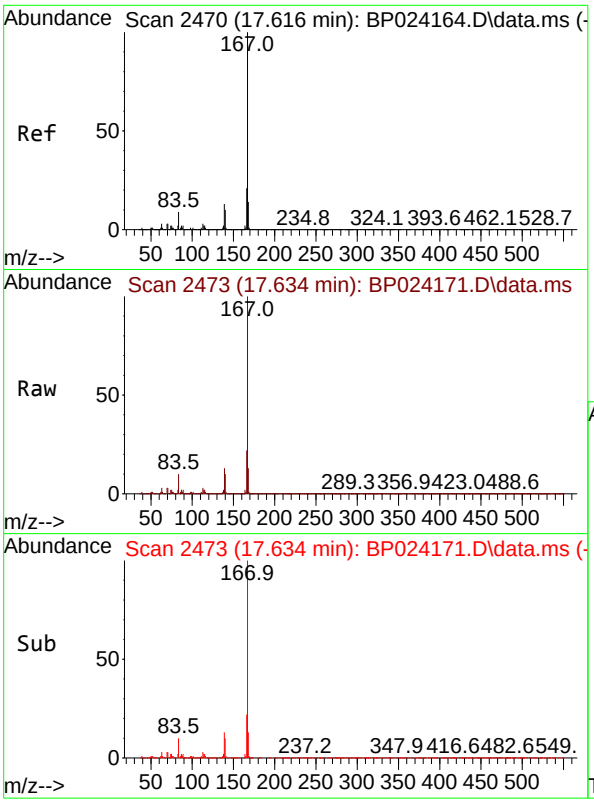




#72
Anthracene
Concen: 39.535 ng
RT: 17.357 min Scan# 2426
Delta R.T. 0.018 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:178 Resp: 3282068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 15.2 | 22.8 |
| 179 | 15.5 | 12.6 | 18.8 |



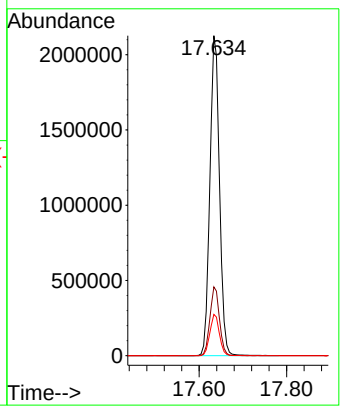


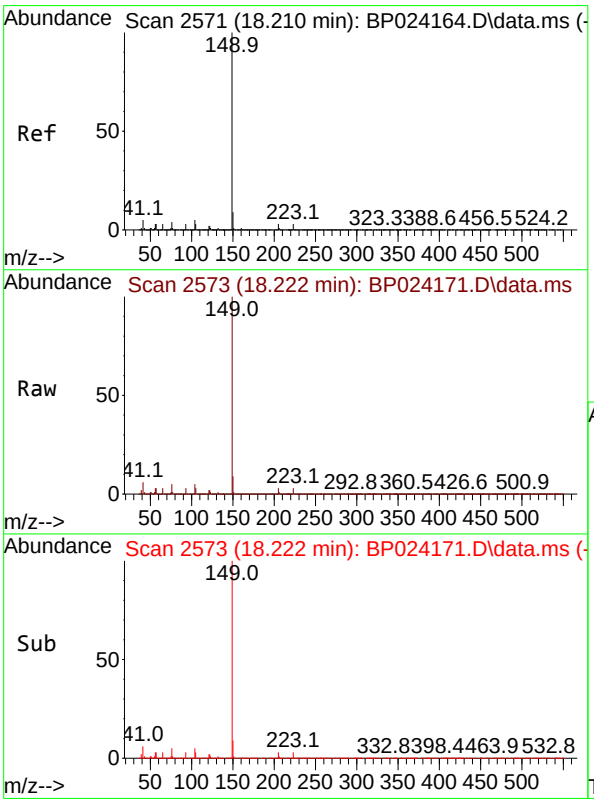

#73
Carbazole
Concen: 40.491 ng
RT: 17.634 min Scan# 24
Delta R.T. 0.018 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:167 Resp: 3241622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.5 | 17.1 | 25.7 |
| 139 | 12.9 | 10.2 | 15.4 |

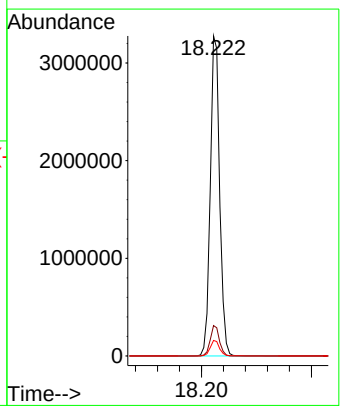


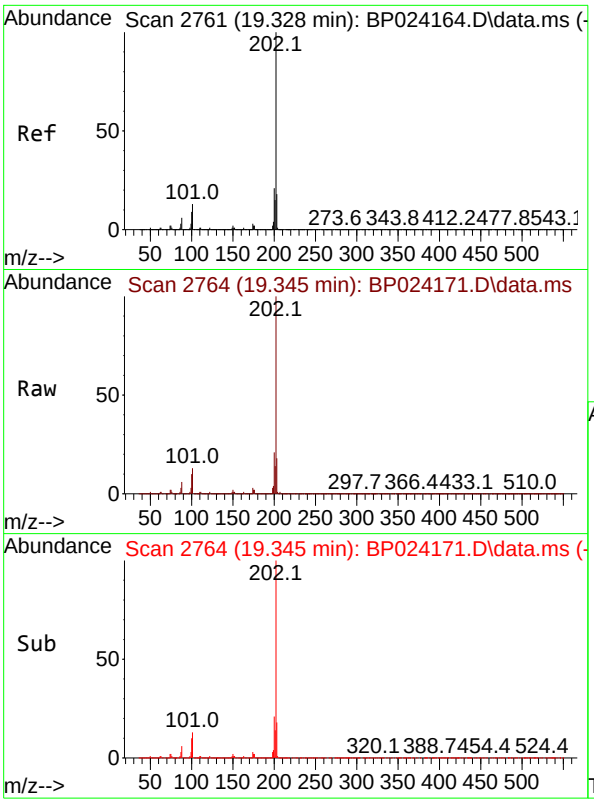




#74
Di-n-butylphthalate
Concen: 40.519 ng
RT: 18.222 min Scan# 2573
Delta R.T. 0.012 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:149 Resp: 3850848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.5 | 7.6 | 11.4 |
| 104 | 4.9 | 3.9 | 5.9 |



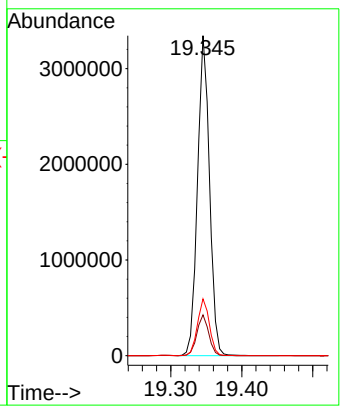


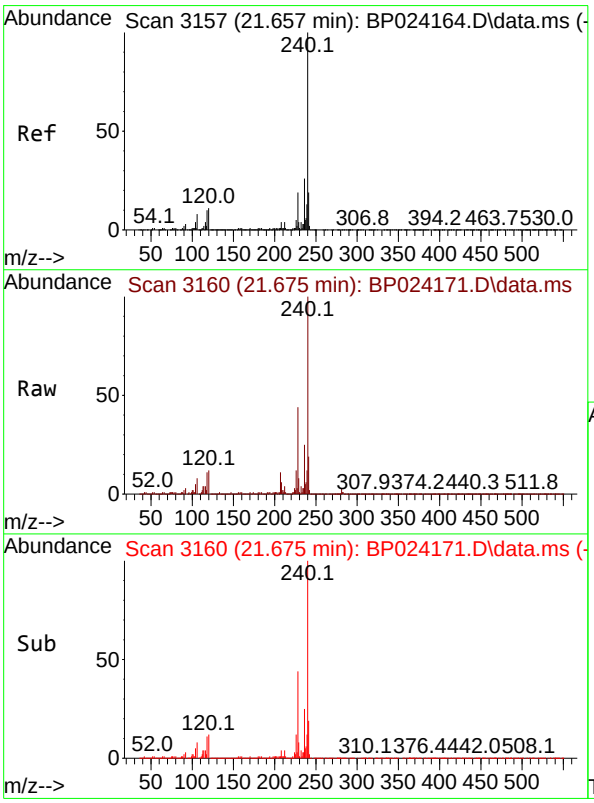

#75
Fluoranthene
Concen: 39.770 ng
RT: 19.345 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:202 Resp: 3926031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.8 | 0.0 | 32.5 |
| 203 | 17.8 | 0.0 | 37.9 |

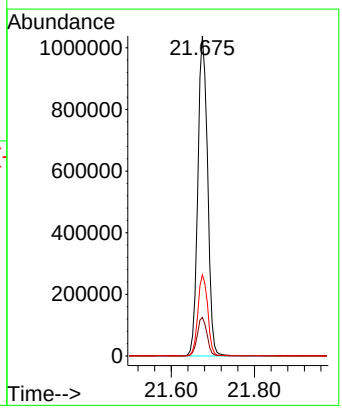


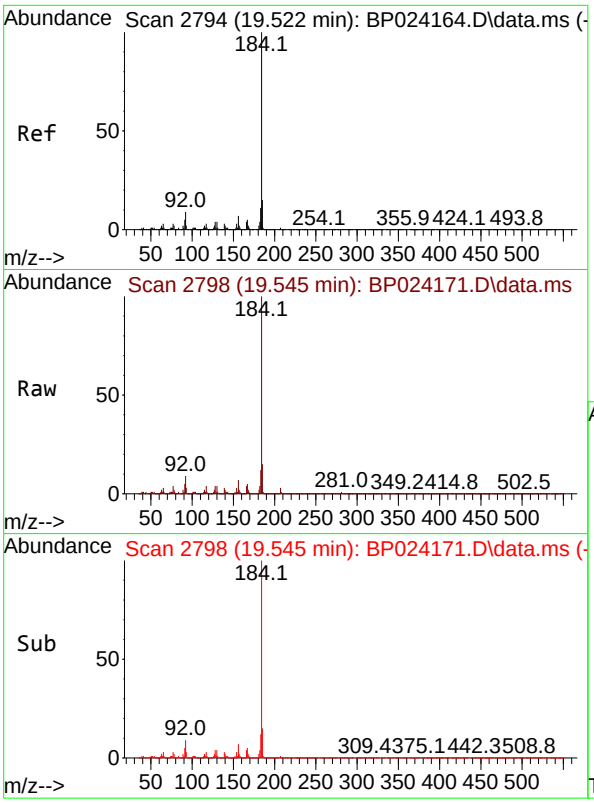




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.675 min Scan# 3160
Delta R.T. 0.018 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:240 Resp: 1695896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.0 | 9.2 | 13.8 |
| 236 | 25.4 | 20.4 | 30.6 |



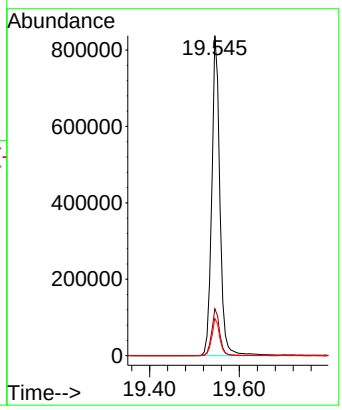


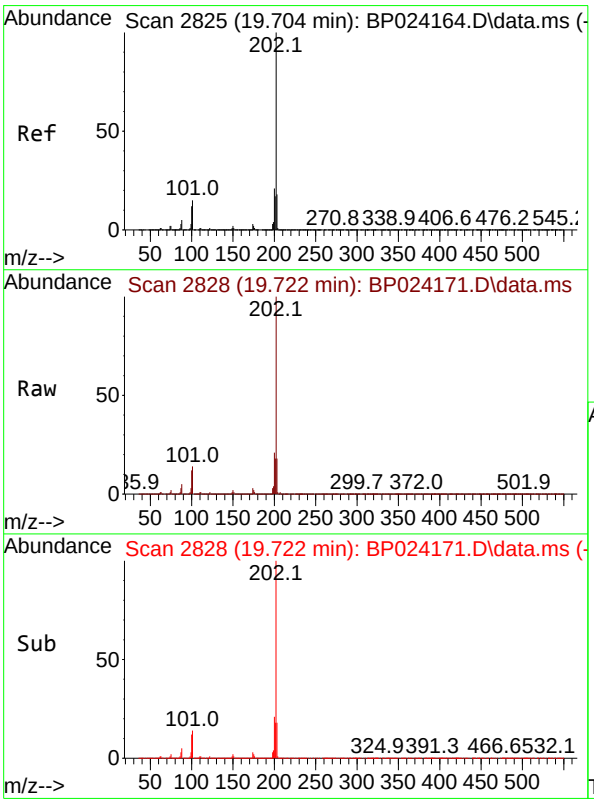

#77
Benzidine
Concen: 56.927 ng
RT: 19.545 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:184 Resp: 1055531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.6 | 11.8 | 17.6 |
| 183 | 11.6 | 9.1 | 13.7 |

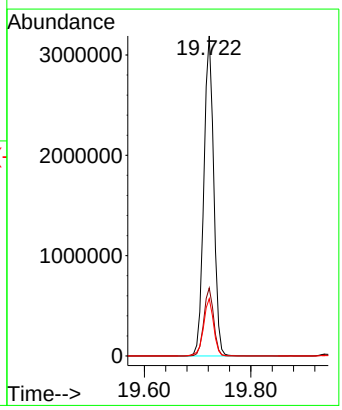


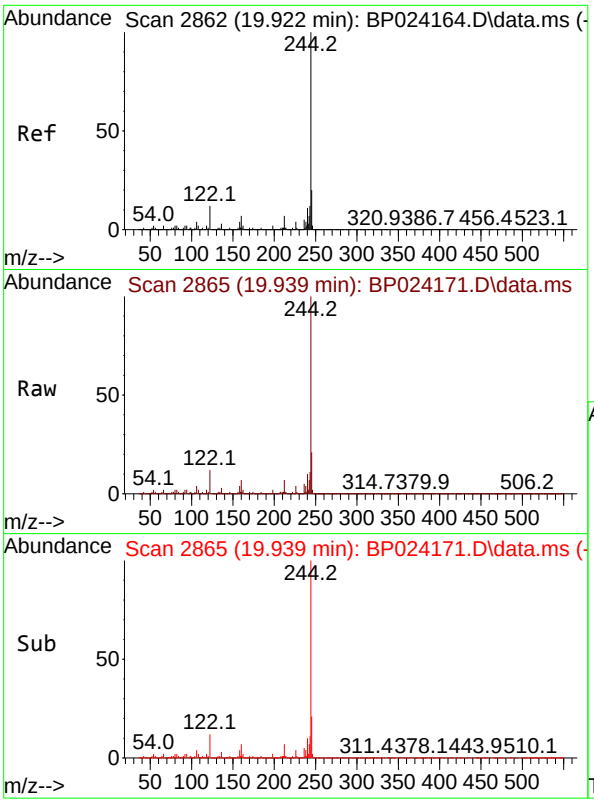




#78
Pyrene
Concen: 38.959 ng
RT: 19.722 min Scan# 2828
Delta R.T. 0.018 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:202 Resp: 4107543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 17.1 | 25.7 |
| 203 | 17.9 | 14.2 | 21.4 |



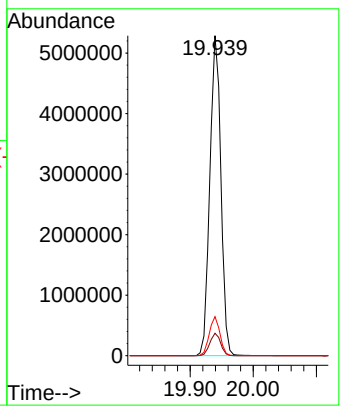


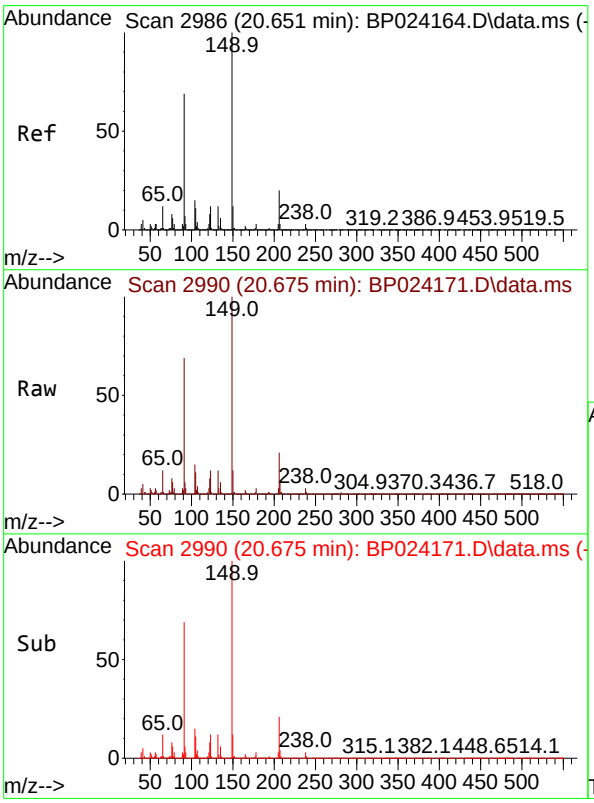

#79
Terphenyl-d14
Concen: 78.162 ng
RT: 19.939 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:244 Resp: 6421493

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

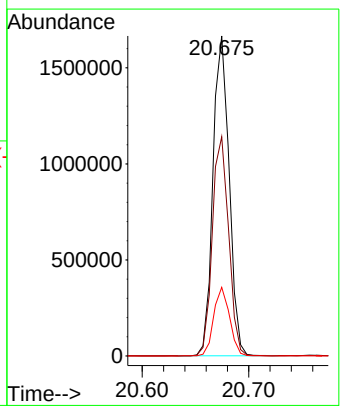


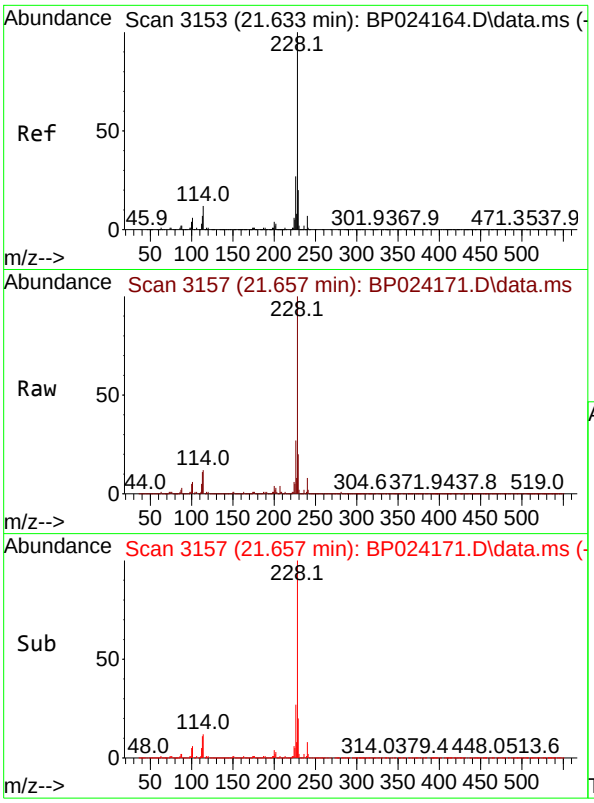




#80
Butylbenzylphthalate
Concen: 40.213 ng
RT: 20.675 min Scan# 2990
Delta R.T. 0.024 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:149 Resp: 1748418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 68.5 | 55.3 | 82.9 |
| 206 | 21.5 | 16.1 | 24.1 |



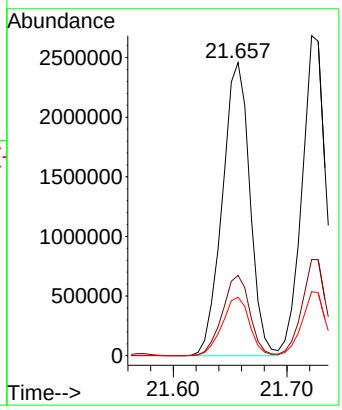


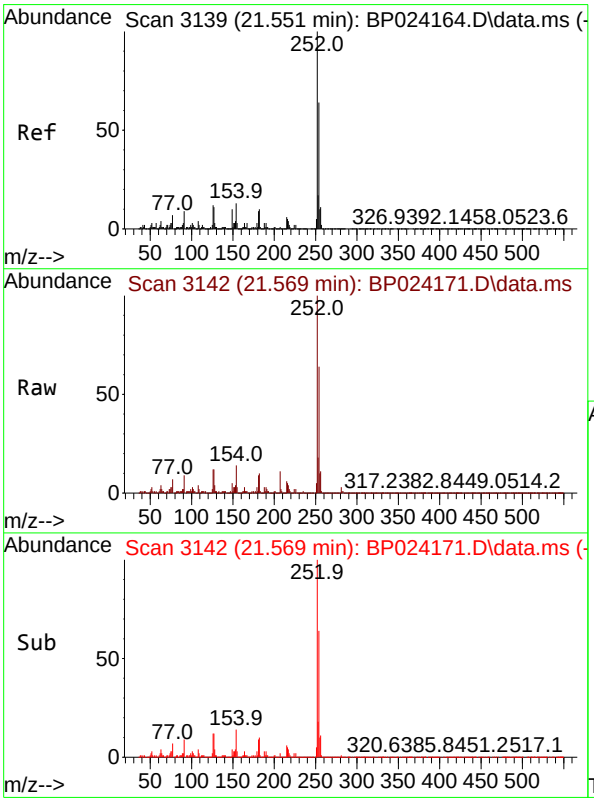

#81
Benzo(a)anthracene
Concen: 39.325 ng
RT: 21.657 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 4146350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.4 | 21.8 | 32.8 |
| 229 | 19.9 | 16.0 | 24.0 |

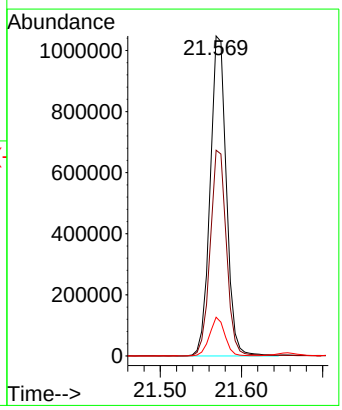


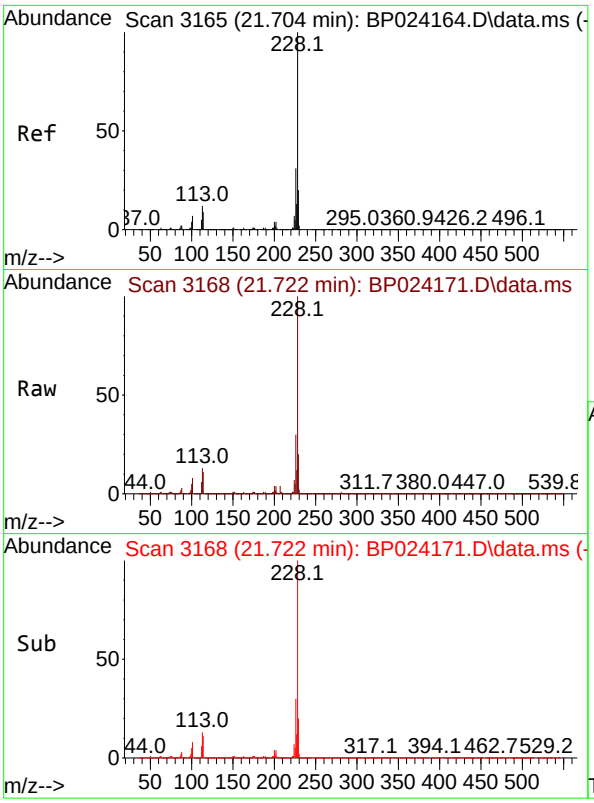




#82
3,3'-Dichlorobenzidine
Concen: 41.027 ng
RT: 21.569 min Scan# 3142
Delta R.T. 0.018 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:252 Resp: 1449835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.3 | 51.4 | 77.2 |
| 126 | 12.1 | 9.3 | 13.9 |



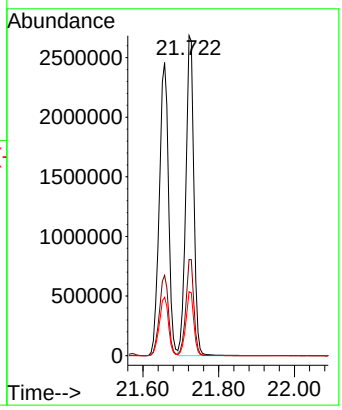


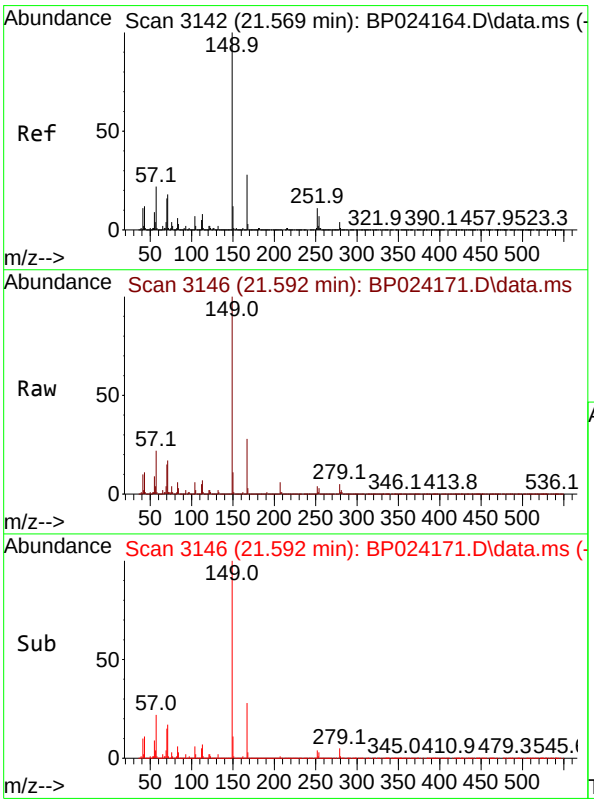

#83
Chrysene
Concen: 38.647 ng
RT: 21.722 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:228 Resp: 3917287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 24.5 | 36.7 |
| 229 | 20.0 | 16.2 | 24.2 |

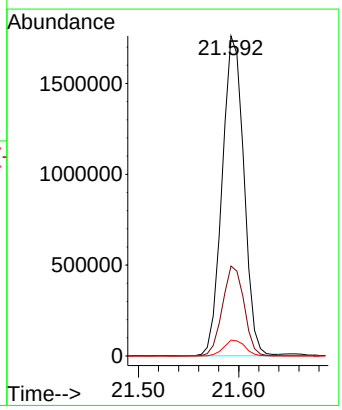


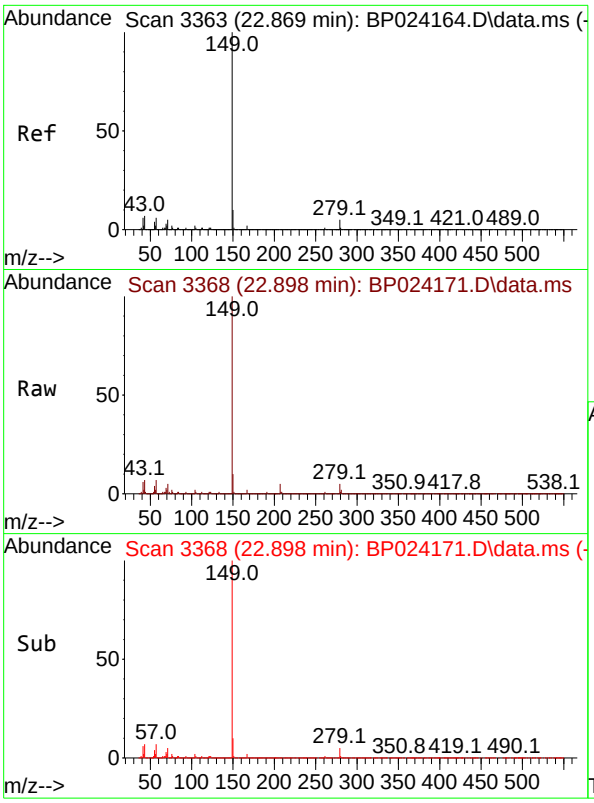




#84
Bis(2-ethylhexyl)phthalate
Concen: 40.209 ng
RT: 21.592 min Scan# 3146
Delta R.T. 0.024 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:149 Resp: 2637923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.1 | 22.5 | 33.7 |
| 279 | 5.0 | 3.6 | 5.4 |



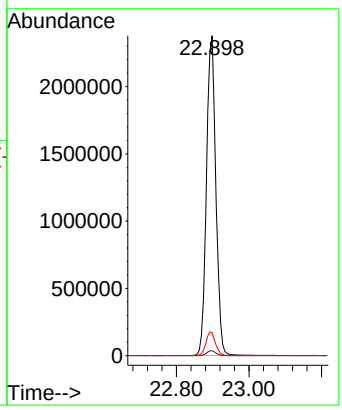


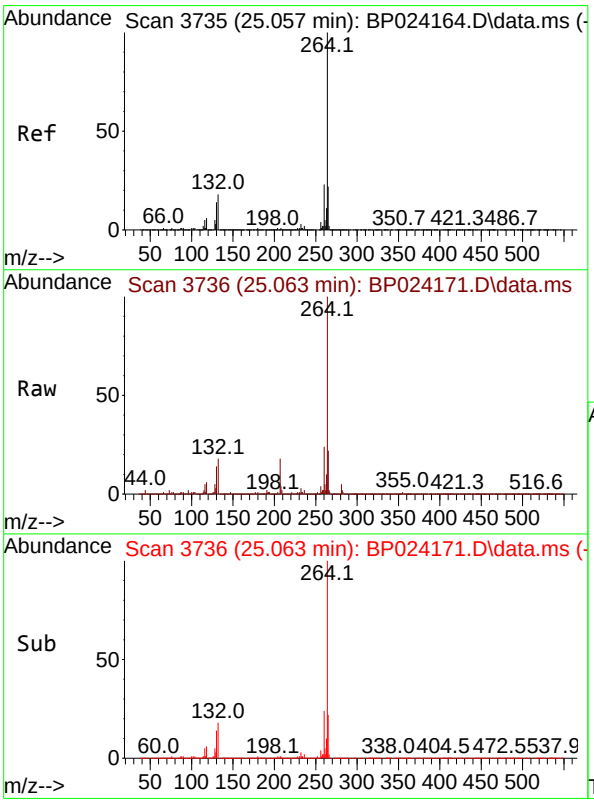

#85
Di-n-octyl phthalate
Concen: 40.502 ng
RT: 22.898 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:149 Resp: 4257281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.5 | 1.3 | 1.9 |
| 43 | 7.5 | 5.8 | 8.8 |

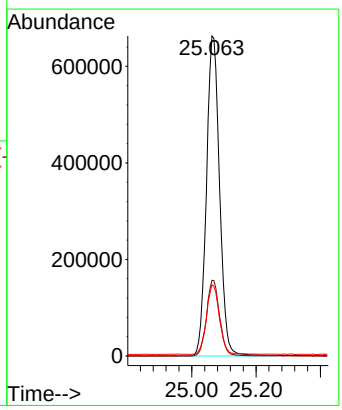


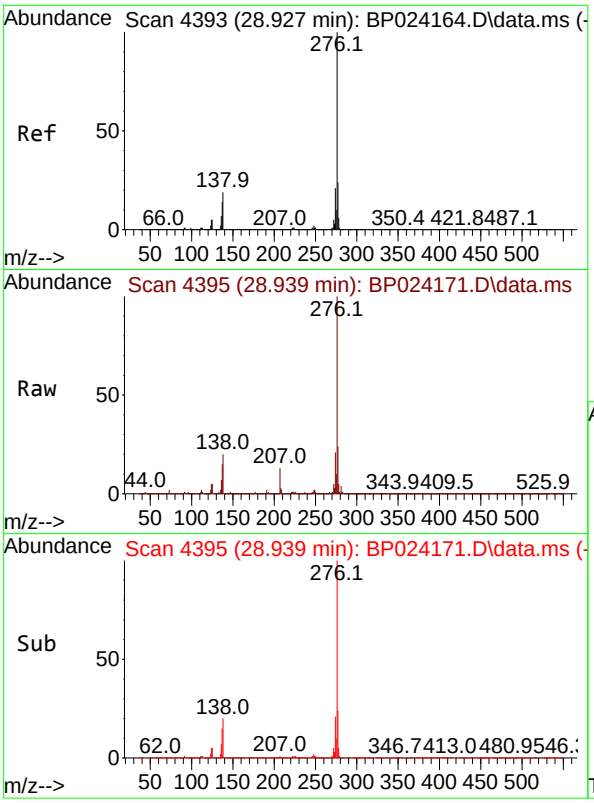




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.063 min Scan# 3736
Delta R.T. 0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:264 Resp: 1872320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 18.5 | 27.7 |
| 265 | 22.2 | 17.7 | 26.5 |



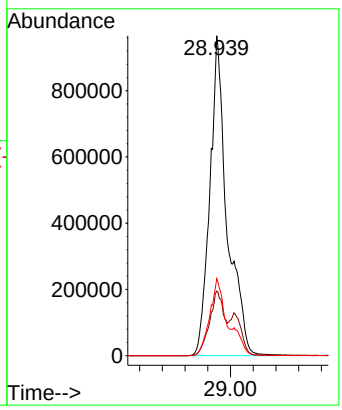


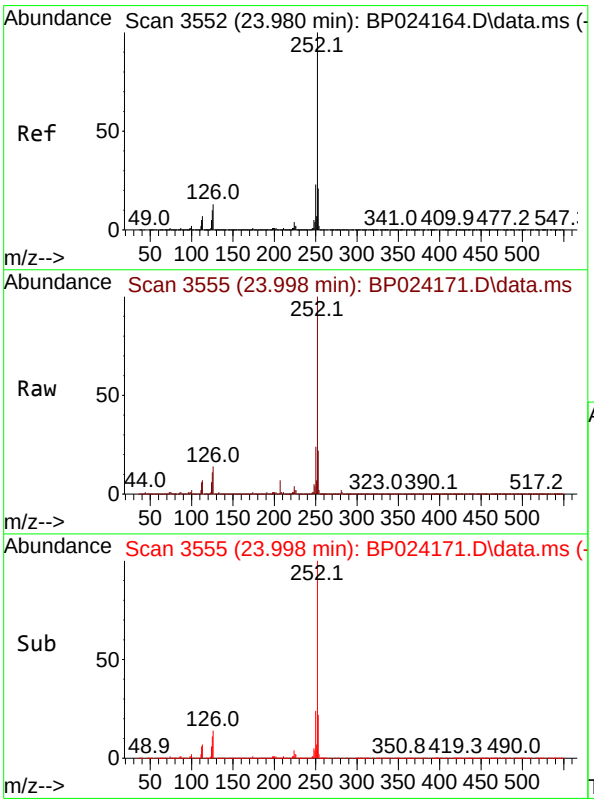

#87
Indeno(1,2,3-cd)pyrene
Concen: 39.055 ng
RT: 28.939 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:276 Resp: 5103421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.9 | 13.7 | 20.5 |
| 277 | 20.6 | 20.2 | 30.2 |

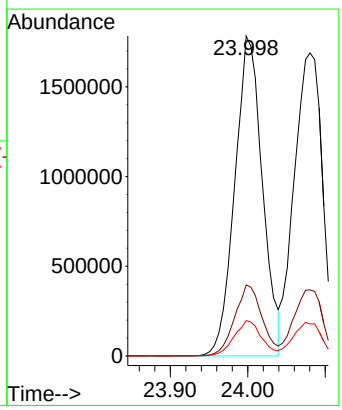


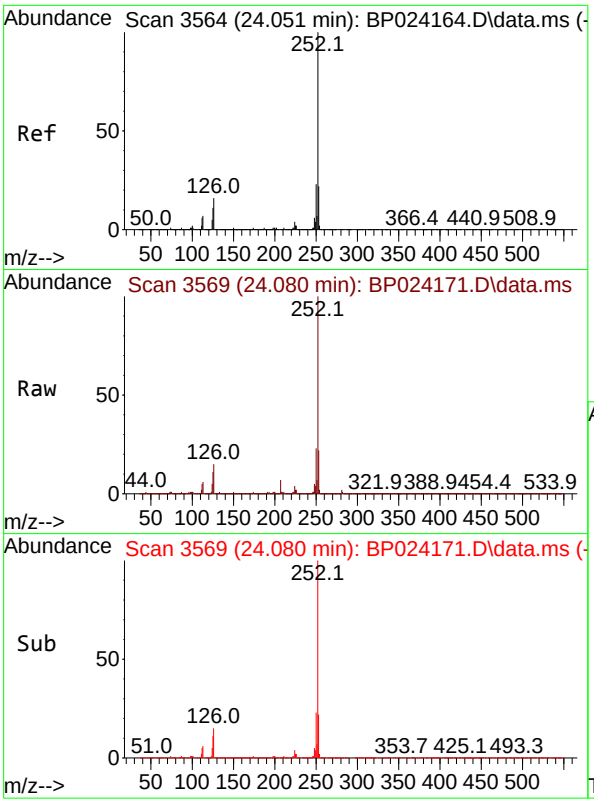




#88
Benzo(b)fluoranthene
Concen: 39.060 ng
RT: 23.998 min Scan# 3555
Delta R.T. 0.018 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:252 Resp: 4409444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.2 | 25.8 |
| 125 | 11.1 | 8.2 | 12.4 |



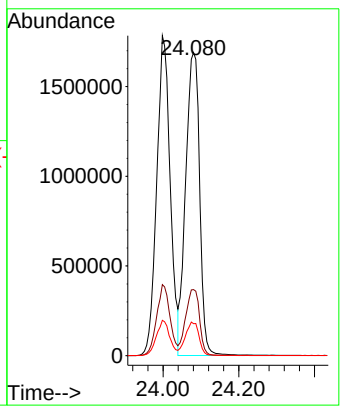


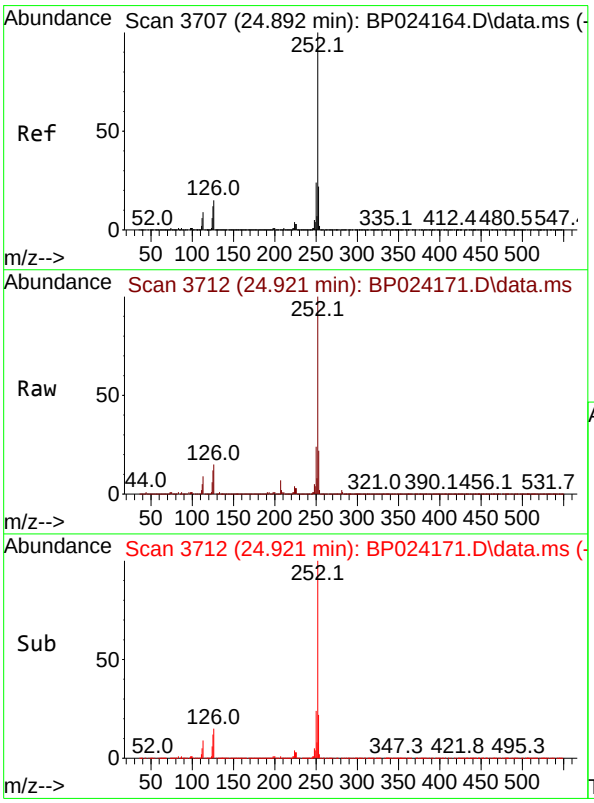

#89
Benzo(k)fluoranthene
Concen: 39.177 ng
RT: 24.080 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:252 Resp: 4326170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.7 | 26.5 |
| 125 | 10.6 | 9.1 | 13.7 |

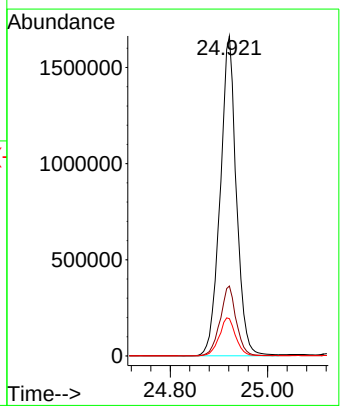


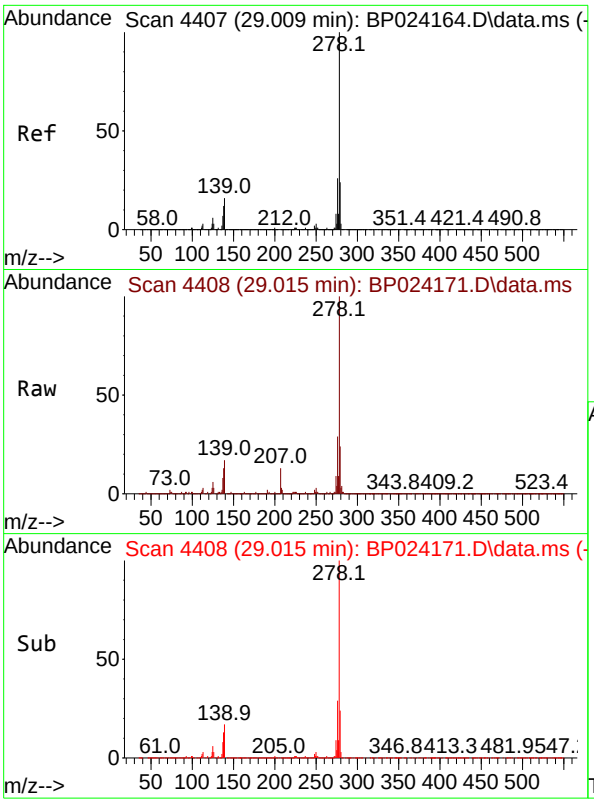




#90
Benzo(a)pyrene
Concen: 39.080 ng
RT: 24.921 min Scan# 3712
Delta R.T. 0.029 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:252 Resp: 3836294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.4 | 26.0 |
| 125 | 11.6 | 9.6 | 14.4 |



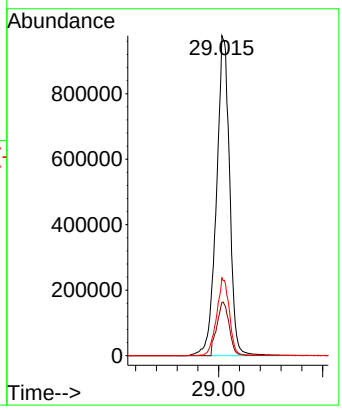


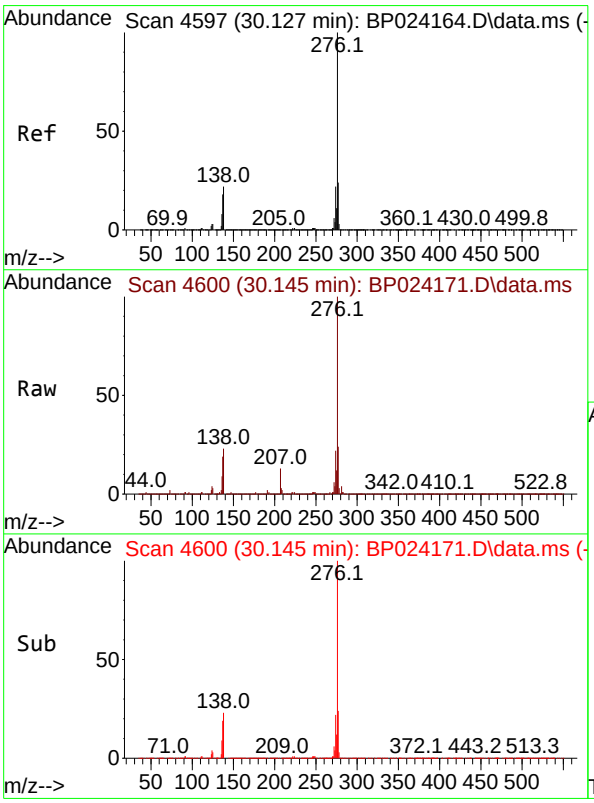

#91
Dibenzo(a,h)anthracene
Concen: 39.510 ng
RT: 29.015 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

**Instrument :**
BNA_P
**ClientSampleId :**
SSTDCCC040

Tgt Ion:278 Resp: 4295311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.7 | 13.0 | 19.4 |
| 279 | 24.3 | 18.8 | 28.2 |

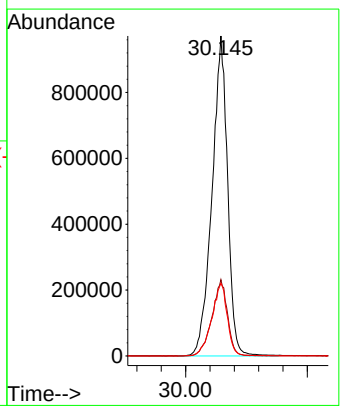



#92
Benzo(g,h,i)perylene
Concen: 38.869 ng
RT: 30.145 min Scan# 4600
Delta R.T. 0.018 min
Lab File: BP024171.D
Acq: 13 Mar 2025 10:22

Tgt Ion:276 Resp: 4295501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 19.2 | 28.8 |
| 138 | 22.7 | 17.4 | 26.2 |



Sample Results: **BP024171.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031325\
Data File : BP024171.D
Acq On : 13 Mar 2025 10:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Mar 13 11:49:44 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 | 86 | 0.00 |
| 2 | | 1,4-Dioxane | 0.497 | 0.482 | 3.0 | 89 | 0.00 |
| 3 | | Pyridine | 1.358 | 1.322 | 2.7 | 87 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.454 | 0.448 | 1.3 | 90 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.253 | 1.221 | 2.6 | 87 | 0.00 |
| 6 | | Aniline | 1.527 | 1.505 | 1.4 | 88 | -0.01 |
| 7 | S | Phenol-d6 | 1.675 | 1.634 | 2.4 | 86 | 0.00 |
| 8 | | 2-Chlorophenol | 1.353 | 1.312 | 3.0 | 87 | 0.00 |
| 9 | | Benzaldehyde | 0.809 | 0.736 | 9.0 | 81 | 0.00 |
| 10 | C | Phenol | 1.691 | 1.632 | 3.5 | 87 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.334 | 1.276 | 4.3 | 87 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.459 | 1.398 | 4.2 | 87 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.490 | 1.417 | 4.9 | 87 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.430 | 1.361 | 4.8 | 87 | 0.00 |
| 15 | | Benzyl Alcohol | 1.061 | 1.046 | 1.4 | 87 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.361 | 1.340 | 1.5 | 90 | -0.01 |
| 17 | | 2-Methylphenol | 1.061 | 1.039 | 2.1 | 86 | -0.01 |
| 18 | | Hexachloroethane | 0.529 | 0.506 | 4.3 | 86 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.972 | 0.976 | -0.4 | 88 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.457 | 1.437 | 1.4 | 87 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 22 | | Acetophenone | 0.506 | 0.491 | 3.0 | 86 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.354 | 0.352 | 0.6 | 87 | -0.01 |
| 24 | | Nitrobenzene | 0.350 | 0.346 | 1.1 | 88 | 0.00 |
| 25 | | Isophorone | 0.608 | 0.608 | 0.0 | 88 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.167 | 0.169 | -1.2 | 86 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.215 | 0.215 | 0.0 | 87 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.427 | 0.420 | 1.6 | 87 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.291 | 0.291 | 0.0 | 85 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.321 | 0.309 | 3.7 | 86 | -0.01 |
| 31 | | Naphthalene | 1.060 | 1.035 | 2.4 | 87 | 0.00 |
| 32 | | Benzoic acid | 0.209 | 0.221 | -5.7 | 88 | -0.01 |
| 33 | | 4-Chloroaniline | 0.379 | 0.386 | -1.8 | 89 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.185 | 0.176 | 4.9 | 85 | -0.01 |
| 35 | | Caprolactam | 0.095 | 0.099 | -4.2 | 89 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.313 | 0.338 | -8.0 | 94 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.716 | 0.697 | 2.7 | 86 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.697 | 0.687 | 1.4 | 89 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.578 | 0.561 | 2.9 | 88 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.208 | 0.205 | 1.4 | 84 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.252 | 0.256 | -1.6 | 88 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.367 | 0.367 | 0.0 | 86 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.403 | 0.406 | -0.7 | 87 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.356 | 1.335 | 1.5 | 88 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.503 | 1.462 | 2.7 | 87 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.130 | 1.110 | 1.8 | 88 | 0.00 |

Sample Results: **BP024171.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031325\
Data File : BP024171.D
Acq On : 13 Mar 2025 10:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Mar 13 11:49:44 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 | 0.305 | -5.5 | 91 | 0.00 |
| 49 | | Acenaphthylene | 1.710 | 1.717 | -0.4 | 90 | 0.00 |
| 50 | | Dimethylphthalate | 1.399 | 1.386 | 0.9 | 89 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.294 | 0.300 | -2.0 | 89 | 0.00 |
| 52 | C | Acenaphthene | 1.093 | 1.078 | 1.4 | 89 | 0.00 |
| 53 | | 3-Nitroaniline | 0.318 | 0.332 | -4.4 | 90 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.156 | 0.164 | -5.1 | 90 | 0.00 |
| 55 | | Dibenzofuran | 1.770 | 1.755 | 0.8 | 89 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.266 | 0.287 | -7.9 | 90 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.389 | 0.406 | -4.4 | 90 | 0.00 |
| 58 | | Fluorene | 1.379 | 1.383 | -0.3 | 90 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.356 | 0.358 | -0.6 | 88 | 0.00 |
| 60 | | Diethylphthalate | 1.394 | 1.414 | -1.4 | 91 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.676 | 0.672 | 0.6 | 89 | 0.00 |
| 62 | | 4-Nitroaniline | 0.334 | 0.359 | -7.5 | 91 | 0.00 |
| 63 | | Azobenzene | 1.314 | 1.345 | -2.4 | 91 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 91 | 0.01 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.119 | 0.117 | 1.7 | 88 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.607 | 0.595 | 2.0 | 90 | 0.01 |
| 67 | | 4-Bromophenyl-phenylether | 0.220 | 0.213 | 3.2 | 89 | 0.01 |
| 68 | | Hexachlorobenzene | 0.260 | 0.254 | 2.3 | 91 | 0.00 |
| 69 | | Atrazine | 0.147 | 0.132 | 10.2 | 89 | 0.01 |
| 70 | C | Pentachlorophenol | 0.168 | 0.176 | -4.8 | 90 | 0.01 |
| 71 | | Phenanthrene | 1.093 | 1.066 | 2.5 | 89 | 0.01 |
| 72 | | Anthracene | 1.064 | 1.052 | 1.1 | 90 | 0.02 |
| 73 | | Carbazole | 1.026 | 1.039 | -1.3 | 90 | 0.02 |
| 74 | | Di-n-butylphthalate | 1.218 | 1.234 | -1.3 | 89 | 0.01 |
| 75 | C | Fluoranthene | 1.265 | 1.258 | 0.6 | 90 | 0.02 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 90 | 0.02 |
| 77 | | Benzidine | 0.219 | 0.311 | -42.0# | 109 | 0.02 |
| 78 | | Pyrene | 1.243 | 1.211 | 2.6 | 91 | 0.02 |
| 79 | S | Terphenyl-d14 | 0.969 | 0.947 | 2.3 | 90 | 0.02 |
| 80 | | Butylbenzylphthalate | 0.513 | 0.515 | -0.4 | 89 | 0.02 |
| 81 | | Benzo(a)anthracene | 1.243 | 1.222 | 1.7 | 91 | 0.02 |
| 82 | | 3,3'-Dichlorobenzidine | 0.417 | 0.427 | -2.4 | 90 | 0.02 |
| 83 | | Chrysene | 1.195 | 1.155 | 3.3 | 90 | 0.02 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.774 | 0.778 | -0.5 | 88 | 0.02 |
| 85 | c | Di-n-octyl phthalate | 1.240 | 1.255 | -1.2 | 89 | 0.03 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.396 | 1.363 | 2.4 | 91 | 0.01 |
| 88 | | Benzo(b)fluoranthene | 1.206 | 1.178 | 2.3 | 91 | 0.02 |
| 89 | | Benzo(k)fluoranthene | 1.180 | 1.155 | 2.1 | 94 | 0.03 |
| 90 | C | Benzo(a)pyrene | 1.049 | 1.024 | 2.4 | 91 | 0.03 |
| 91 | | Dibenzo(a,h)anthracene | 1.161 | 1.147 | 1.2 | 92 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.180 | 1.147 | 2.8 | 91 | 0.02 |

Sample Results: **BP024171.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031325\
Data File : BP024171.D
Acq On : 13 Mar 2025 10:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Mar 13 11:49:44 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

Sample Results: **BP024171.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031325\
Data File : BP024171.D
Acq On : 13 Mar 2025 10:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Mar 13 11:49:44 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 | 86 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 38.812 | 3.0 | 89 | 0.00 |
| 3 | | Pyridine | 40.000 | 38.962 | 2.6 | 87 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.518 | 1.2 | 90 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 77.949 | 2.6 | 87 | 0.00 |
| 6 | | Aniline | 40.000 | 39.427 | 1.4 | 88 | -0.01 |
| 7 | S | Phenol-d6 | 80.000 | 78.028 | 2.5 | 86 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.770 | 3.1 | 87 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 36.398 | 9.0 | 81 | 0.00 |
| 10 | C | Phenol | 40.000 | 38.599 | 3.5 | 87 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.253 | 4.4 | 87 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.313 | 4.2 | 87 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.043 | 4.9 | 87 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.079 | 4.8 | 87 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.462 | 1.3 | 87 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.387 | 1.5 | 90 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 39.167 | 2.1 | 86 | -0.01 |
| 18 | | Hexachloroethane | 40.000 | 38.254 | 4.4 | 86 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 40.168 | -0.4 | 88 | -0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.457 | 1.4 | 87 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 87 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.875 | 2.8 | 86 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 79.475 | 0.7 | 87 | -0.01 |
| 24 | | Nitrobenzene | 40.000 | 39.581 | 1.0 | 88 | 0.00 |
| 25 | | Isophorone | 40.000 | 40.000 | 0.0 | 88 | -0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.354 | -0.9 | 86 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.969 | 0.1 | 87 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.279 | 1.8 | 87 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.100 | -0.3 | 85 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.508 | 3.7 | 86 | -0.01 |
| 31 | | Naphthalene | 40.000 | 39.054 | 2.4 | 87 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 42.149 | -5.4 | 88 | -0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 40.717 | -1.8 | 89 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.068 | 4.8 | 85 | -0.01 |
| 35 | | Caprolactam | 40.000 | 41.564 | -3.9 | 89 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 43.180 | -7.9 | 94 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.932 | 2.7 | 86 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 39.471 | 1.3 | 89 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 87 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.818 | 3.0 | 88 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 39.294 | 1.8 | 84 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 81.197 | -1.5 | 88 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 39.951 | 0.1 | 86 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 40.302 | -0.8 | 87 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 78.744 | 1.6 | 88 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 38.908 | 2.7 | 87 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.264 | 1.8 | 88 | 0.00 |

Sample Results: **BP024171.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031325\
Data File : BP024171.D
Acq On : 13 Mar 2025 10:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Mar 13 11:49:44 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 | 42.201 | -5.5 | 91 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 40.141 | -0.4 | 90 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 39.619 | 1.0 | 89 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 40.744 | -1.9 | 89 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 39.454 | 1.4 | 89 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 41.797 | -4.5 | 90 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 42.187 | -5.5 | 90 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 39.663 | 0.8 | 89 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 43.198 | -8.0 | 90 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 41.767 | -4.4 | 90 | 0.00 |
| 58 | | Fluorene | 40.000 | 40.112 | -0.3 | 90 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.199 | -0.5 | 88 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 40.573 | -1.4 | 91 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 39.723 | 0.7 | 89 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 43.066 | -7.7 | 91 | 0.00 |
| 63 | | Azobenzene | 40.000 | 40.952 | -2.4 | 91 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 91 | 0.01 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 39.360 | 1.6 | 88 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.157 | 2.1 | 90 | 0.01 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 38.860 | 2.9 | 89 | 0.01 |
| 68 | | Hexachlorobenzene | 40.000 | 39.025 | 2.4 | 91 | 0.00 |
| 69 | | Atrazine | 40.000 | 36.093 | 9.8 | 89 | 0.01 |
| 70 | C | Pentachlorophenol | 40.000 | 41.861 | -4.7 | 90 | 0.01 |
| 71 | | Phenanthrene | 40.000 | 39.016 | 2.5 | 89 | 0.01 |
| 72 | | Anthracene | 40.000 | 39.535 | 1.2 | 90 | 0.02 |
| 73 | | Carbazole | 40.000 | 40.491 | -1.2 | 90 | 0.02 |
| 74 | | Di-n-butylphthalate | 40.000 | 40.519 | -1.3 | 89 | 0.01 |
| 75 | C | Fluoranthene | 40.000 | 39.770 | 0.6 | 90 | 0.02 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 90 | 0.02 |
| 77 | | Benzidine | 40.000 | 56.927 | -42.3# | 109 | 0.02 |
| 78 | | Pyrene | 40.000 | 38.959 | 2.6 | 91 | 0.02 |
| 79 | S | Terphenyl-d14 | 80.000 | 78.162 | 2.3 | 90 | 0.02 |
| 80 | | Butylbenzylphthalate | 40.000 | 40.213 | -0.5 | 89 | 0.02 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.325 | 1.7 | 91 | 0.02 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 41.027 | -2.6 | 90 | 0.02 |
| 83 | | Chrysene | 40.000 | 38.647 | 3.4 | 90 | 0.02 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.209 | -0.5 | 88 | 0.02 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 40.502 | -1.3 | 89 | 0.03 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 92 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.055 | 2.4 | 91 | 0.01 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 39.060 | 2.3 | 91 | 0.02 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 39.177 | 2.1 | 94 | 0.03 |
| 90 | C | Benzo(a)pyrene | 40.000 | 39.080 | 2.3 | 91 | 0.03 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 39.510 | 1.2 | 92 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 38.869 | 2.8 | 91 | 0.02 |

Sample Results: **BP024171.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031325\
Data File : BP024171.D
Acq On : 13 Mar 2025 10:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC040

Quant Time: Mar 13 11:49:44 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

# QC SAMPLE DATA

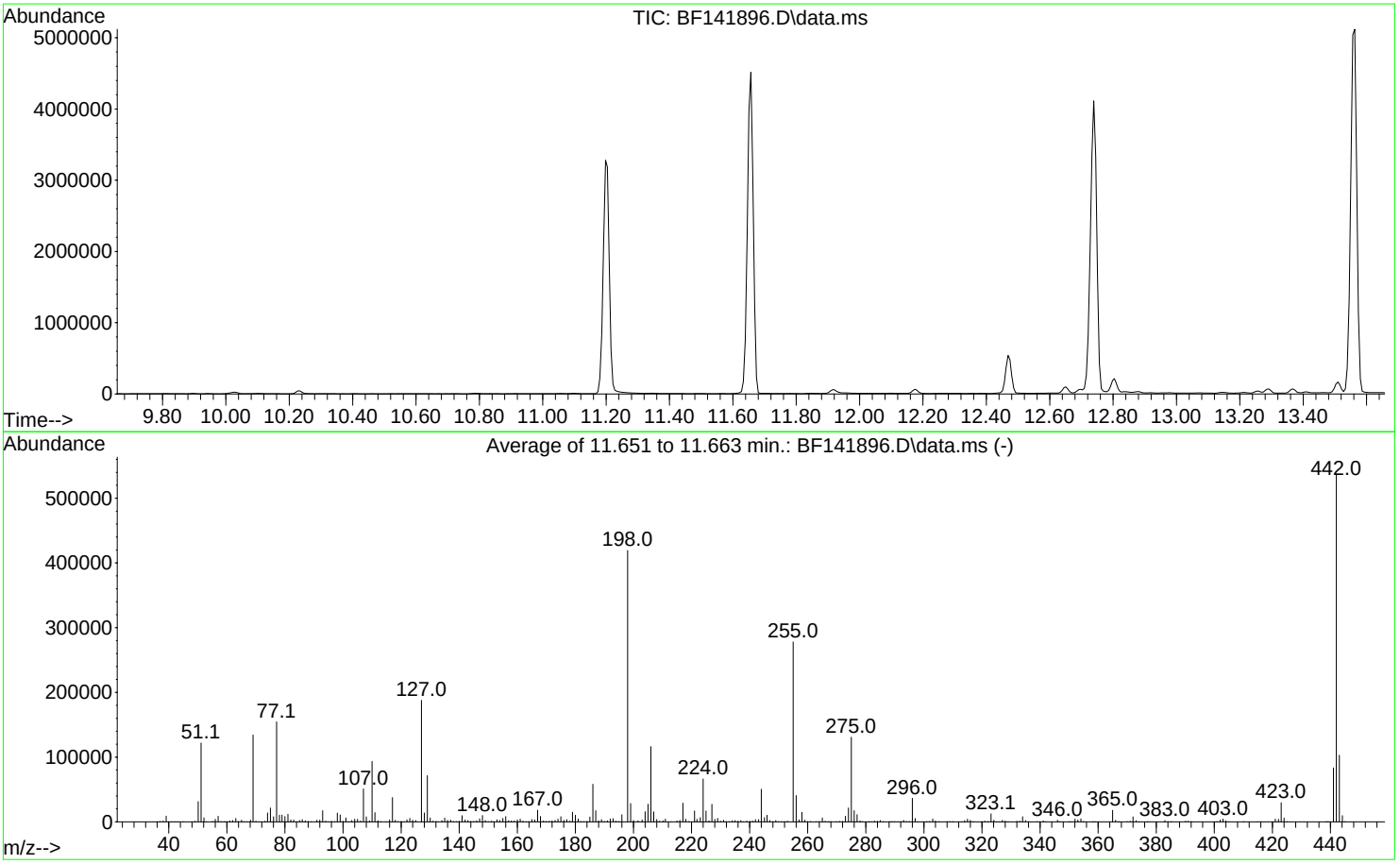
Sample Results: **BF141896.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141896.D
Acq On : 10 Mar 2025 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Mar 10 15:46:22 2025




AutoFind: Scans 1625, 1626, 1627; Background Corrected with Scan 1617

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 29.1 | 121957 | PASS |
| 68 | 69 | 0.00 | 2 | 1.9 | 2599 | PASS |
| 69 | 198 | 0.00 | 100 | 32.0 | 134239 | PASS |
| 70 | 69 | 0.00 | 2 | 0.7 | 949 | PASS |
| 127 | 198 | 10 | 80 | 44.8 | 187627 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 419221 | PASS |
| 199 | 198 | 5 | 9 | 6.7 | 28280 | PASS |
| 275 | 198 | 10 | 60 | 31.2 | 130819 | PASS |
| 365 | 198 | 1 | 100 | 4.2 | 17803 | PASS |
| 441 | 198 | 0.01 | 100 | 19.9 | 83389 | PASS |
| 442 | 442 | 50 | 100 | 100.0 | 536640 | PASS |
| 443 | 442 | 15 | 24 | 19.2 | 102888 | PASS |

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

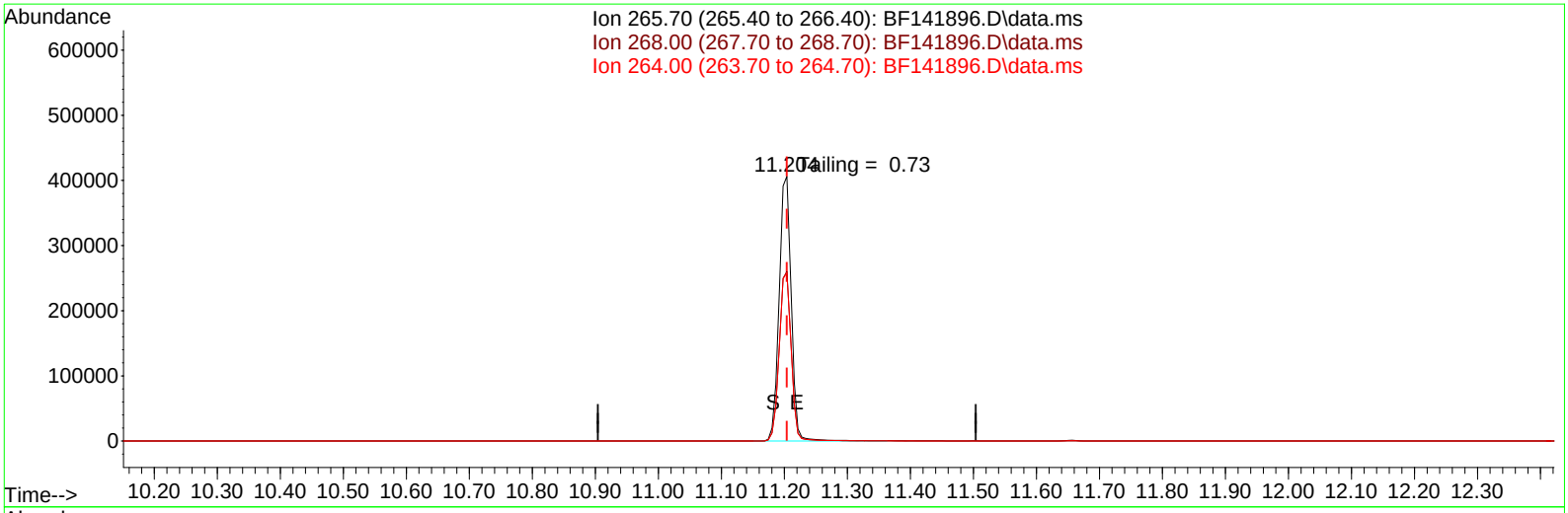
## DDT Breakdown

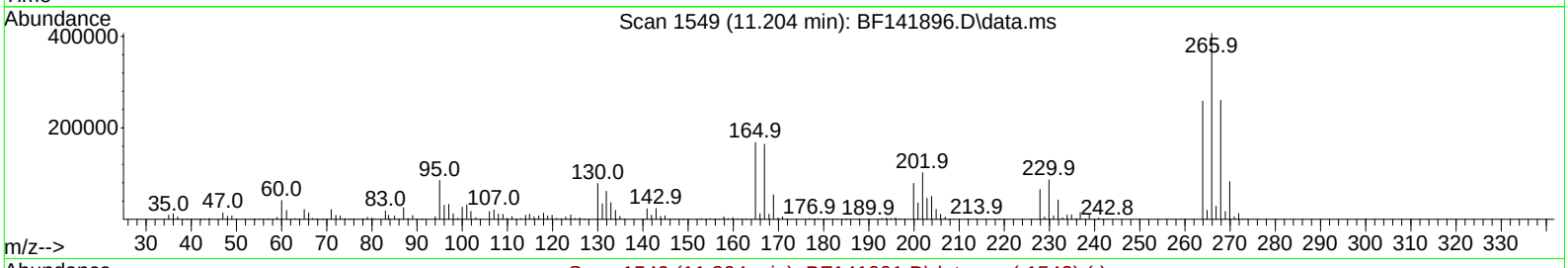
| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 3/10/2025 | BNA_F | BF141896.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 1358235 | 13.562 |
| DDD | 20094 | 13.292 |
| DDE | 930 | 12.921 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 21024 | 1379259 | 1.52 |
| | | |

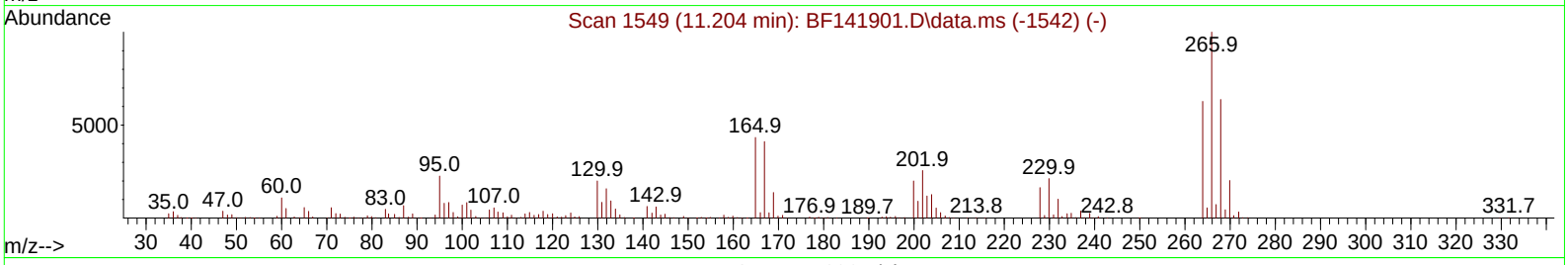
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141896.D
Acq On : 10 Mar 2025 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Mar 10 16:16:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration




TIC: BF141896.D\data.ms

**(70) Pentachlorophenol (C)**

**11.204min (-0.000) 118650.09 ng**

**response 544757**

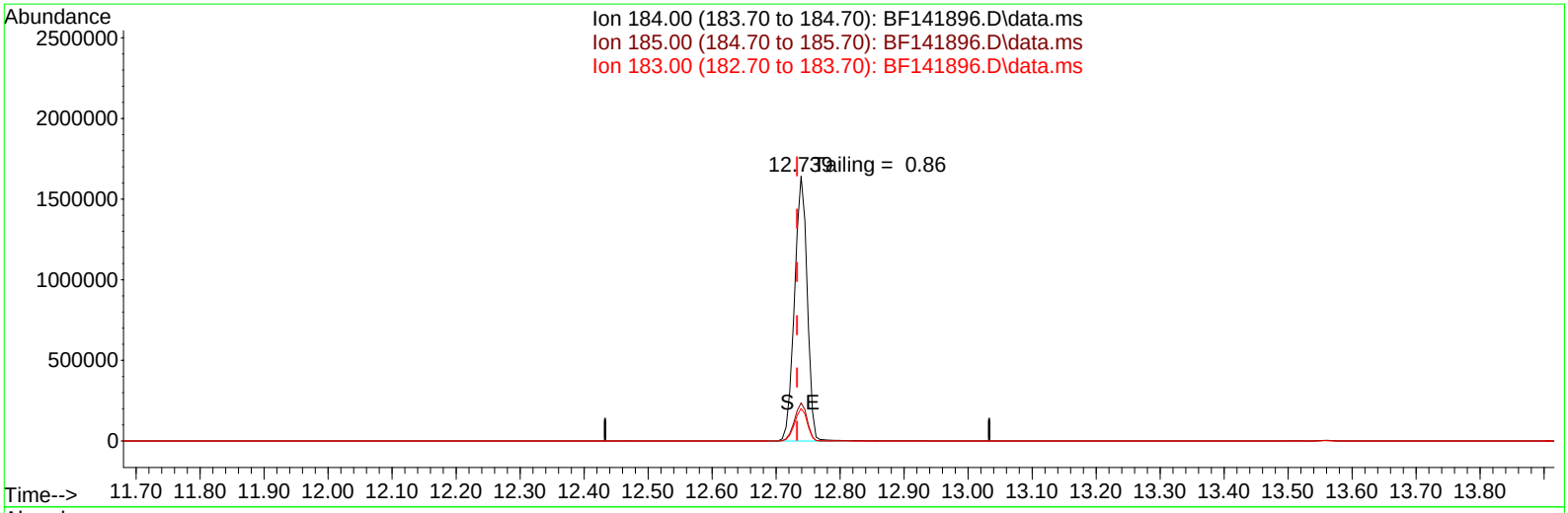
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 63.80 | 64.05 |
| 264.00 | 62.70 | 63.55 |
| 0.00 | 0.00 | 0.00 |

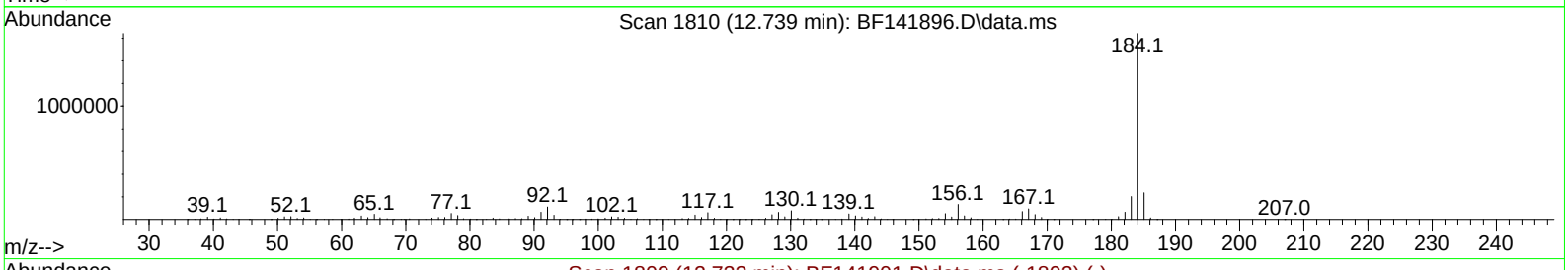
Sample Results: **BF141896.D**

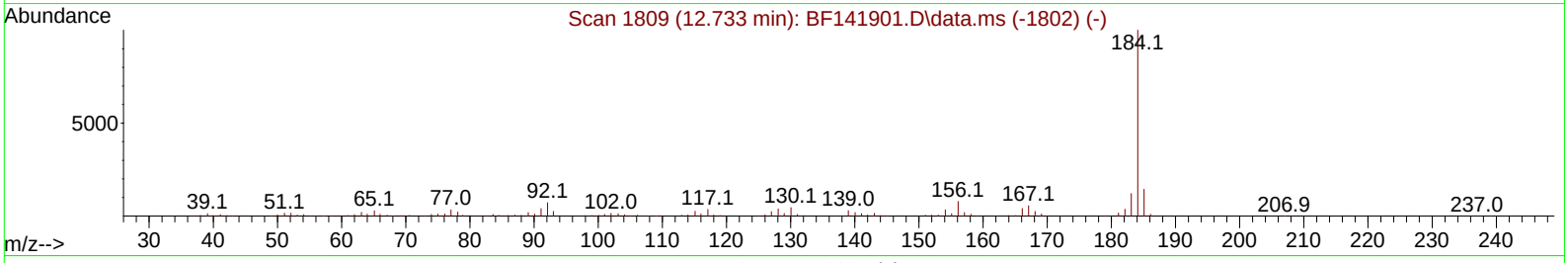
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141896.D
Acq On : 10 Mar 2025 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Mar 10 16:16:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration




TIC: BF141896.D\data.ms

**(77) Benzidine**

**12.739min (+ 0.006) 203796.44 ng**

**response 2274676**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.40 | 14.38 |
| 183.00 | 12.10 | 12.32 |
| 0.00 | 0.00 | 0.00 |

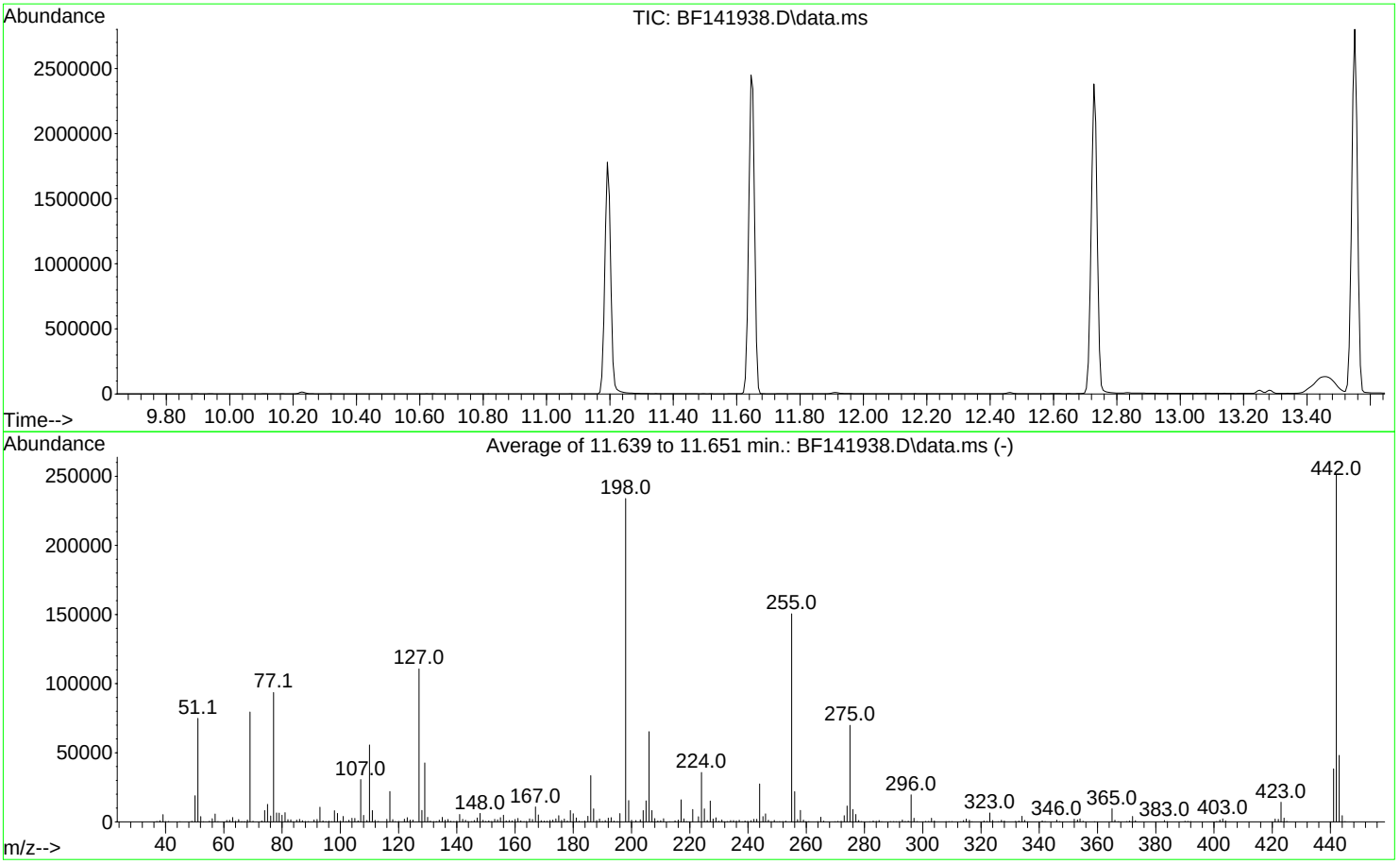
Sample Results: **BF141938.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141938.D
Acq On : 13 Mar 2025 11:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Mar 10 15:46:22 2025




AutoFind: Scans 1623, 1624, 1625; Background Corrected with Scan 1617

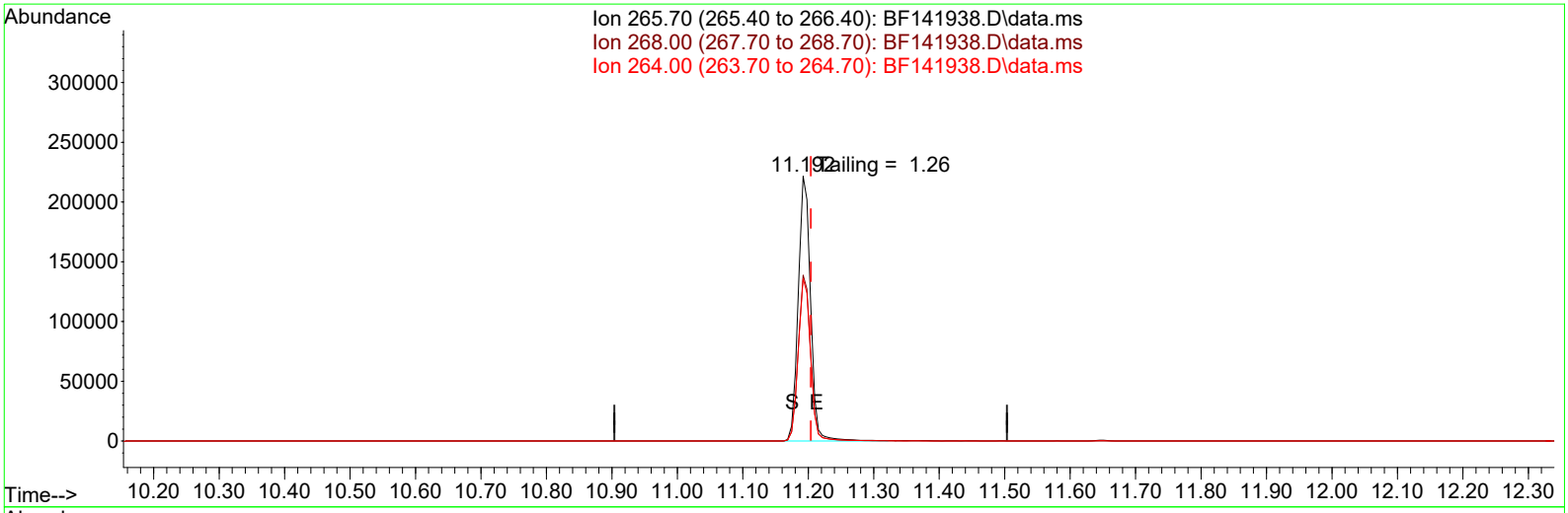
| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 32.0 | 74819 | PASS |
| 68 | 69 | 0.00 | 2 | 1.8 | 1404 | PASS |
| 69 | 198 | 0.00 | 100 | 34.0 | 79429 | PASS |
| 70 | 69 | 0.00 | 2 | 0.6 | 451 | PASS |
| 127 | 198 | 10 | 80 | 47.3 | 110651 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 233877 | PASS |
| 199 | 198 | 5 | 9 | 6.6 | 15462 | PASS |
| 275 | 198 | 10 | 60 | 29.9 | 69864 | PASS |
| 365 | 198 | 1 | 100 | 4.1 | 9507 | PASS |
| 441 | 198 | 0.01 | 100 | 16.4 | 38323 | PASS |
| 442 | 442 | 50 | 100 | 100.0 | 251264 | PASS |
| 443 | 442 | 15 | 24 | 19.1 | 48053 | PASS |

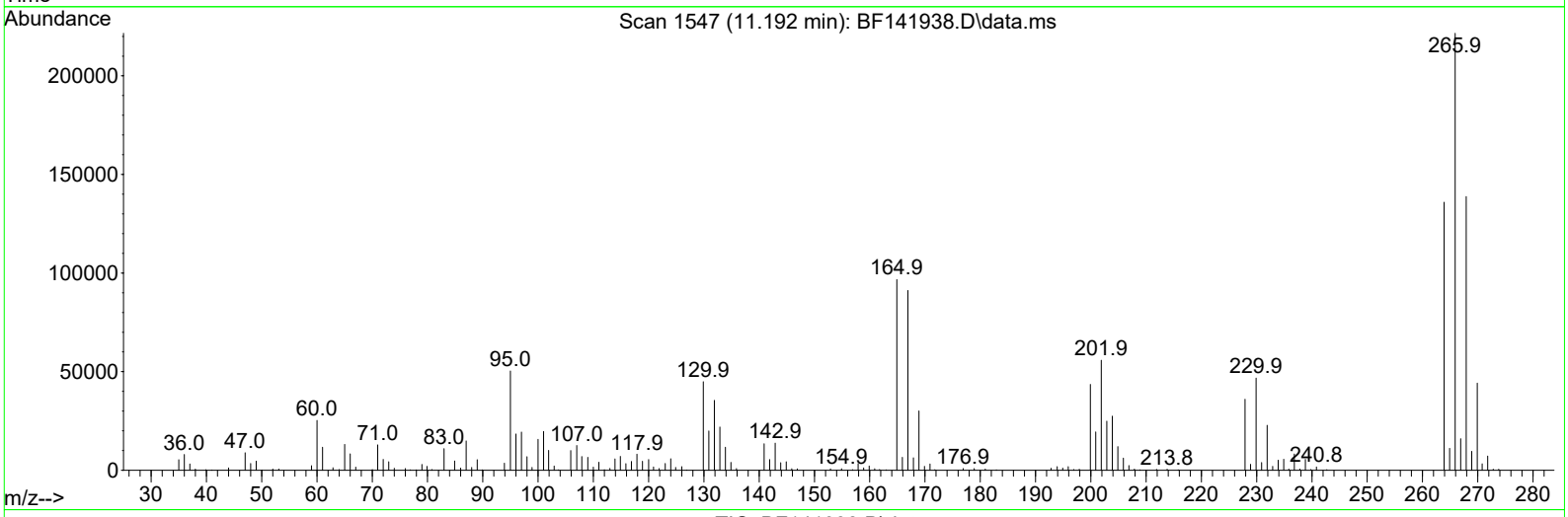
Sample Results: **BF141938.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141938.D
Acq On : 13 Mar 2025 11:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Mar 13 13:04:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration




TIC: BF141938.D\data.ms

**(70) Pentachlorophenol (C)**

**11.192min (-0.012) 133427.78 ng**

**response 291016**

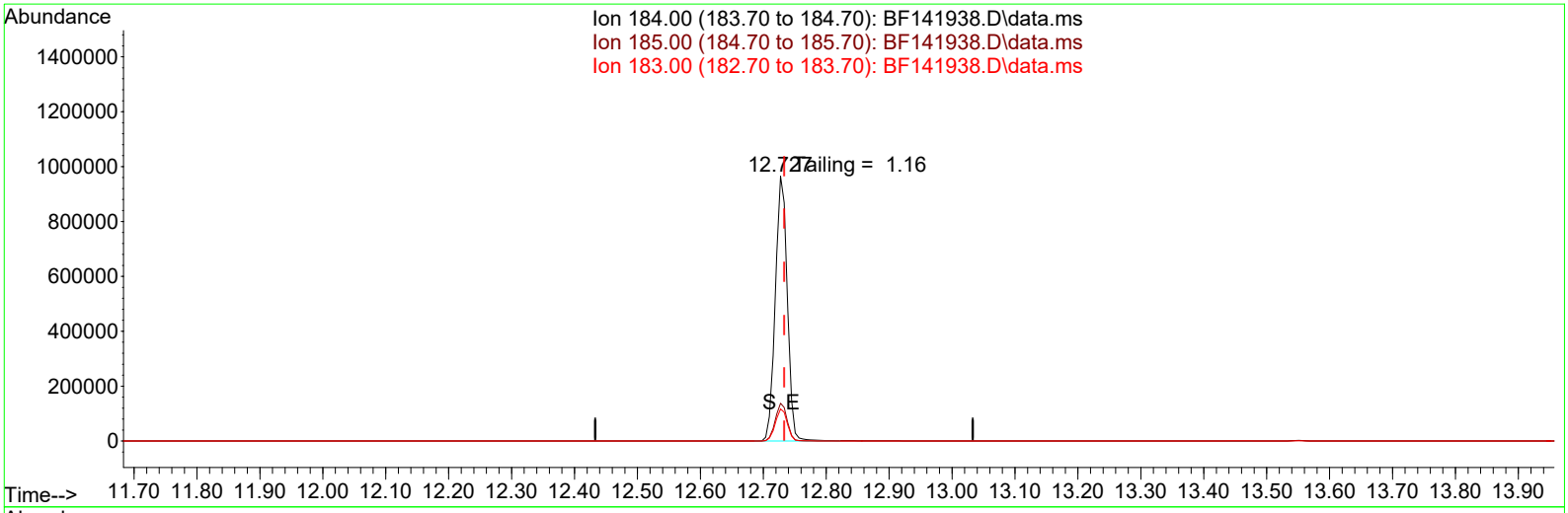
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 63.80 | 62.65 |
| 264.00 | 62.70 | 61.35 |
| 0.00 | 0.00 | 0.00 |

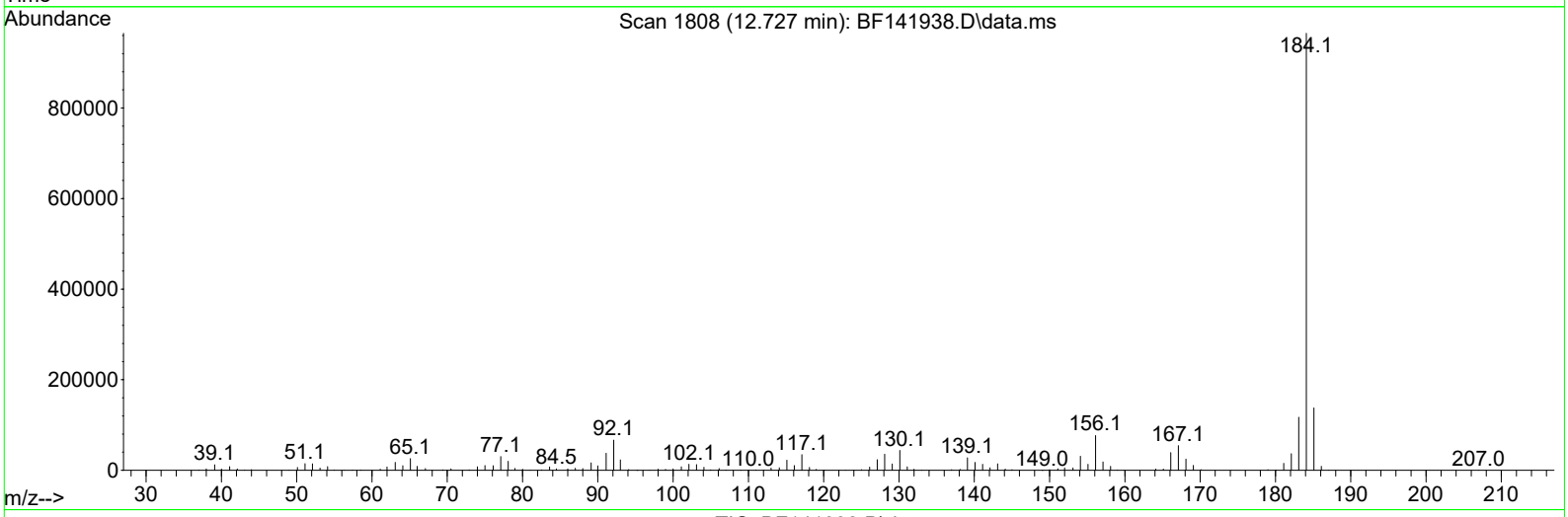
Sample Results: **BF141938.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141938.D
Acq On : 13 Mar 2025 11:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Mar 13 13:04:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration




TIC: BF141938.D\data.ms

**(77) Benzidine**

**12.727min (-0.006) 527010.30 ng**

**response 1286738**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.40 | 14.29 |
| 183.00 | 12.10 | 12.13 |
| 0.00 | 0.00 | 0.00 |

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 3/13/2025 | BNA_F | BF141938.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 695260 | 13.551 |
| DDD | 12936 | 13.251 |
| DDE | 425 | 12.916 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 13361 | 708621 | 1.89 |
| | | |

Instrument :
BNA_F
ClientSampleId :
DFTPP

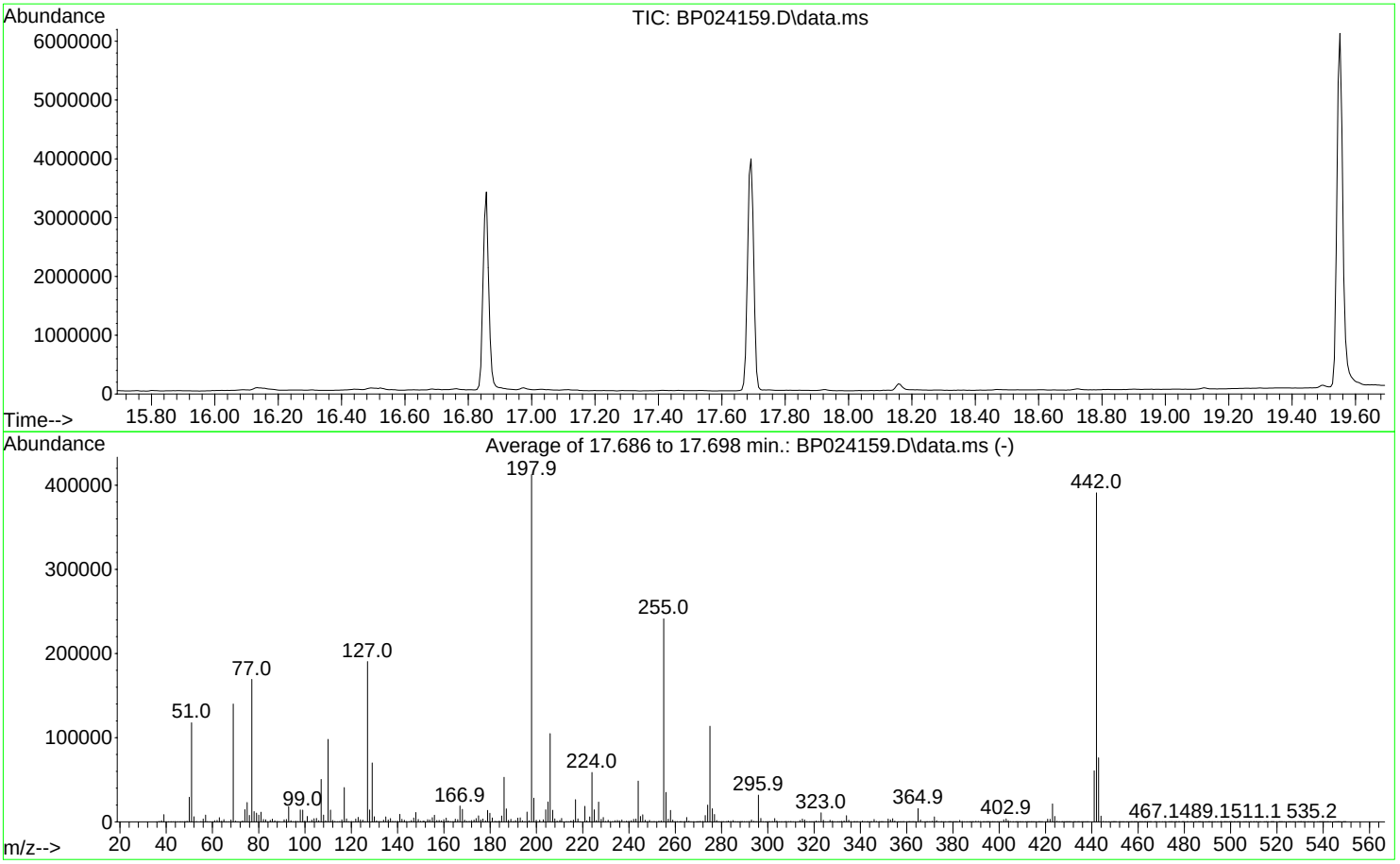
Sample Results: **BP024159.D**

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 |

## 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 |
| | | |

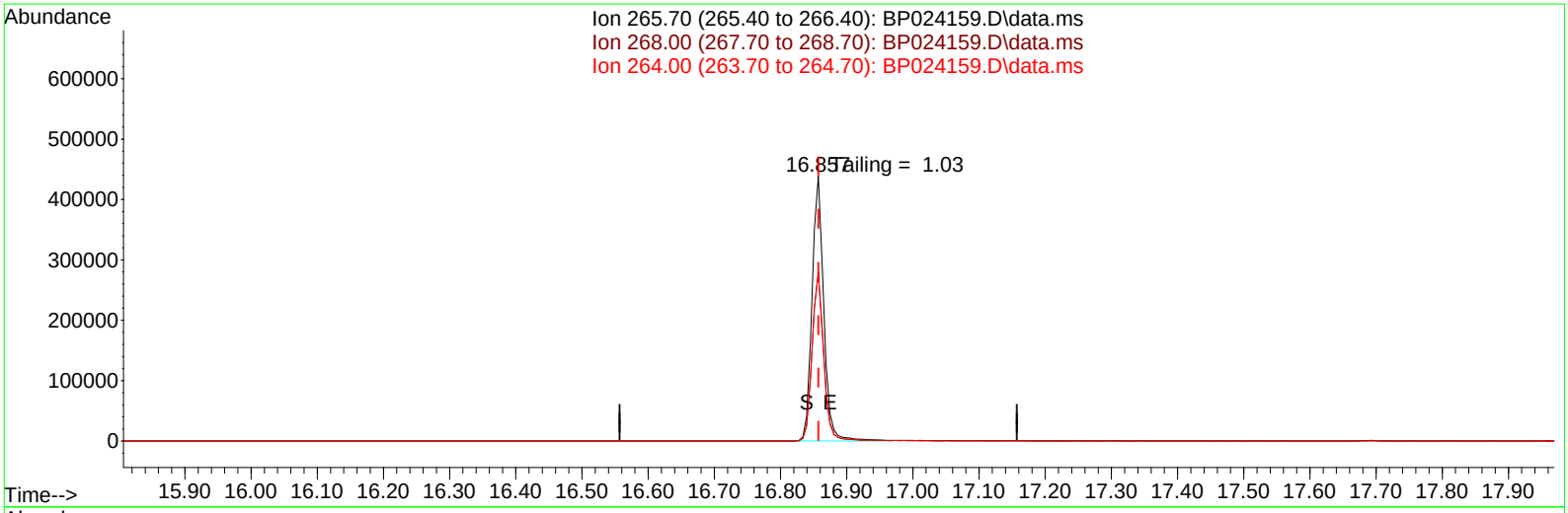
Instrument :
BNA_P
ClientSampleId :
DFTPP

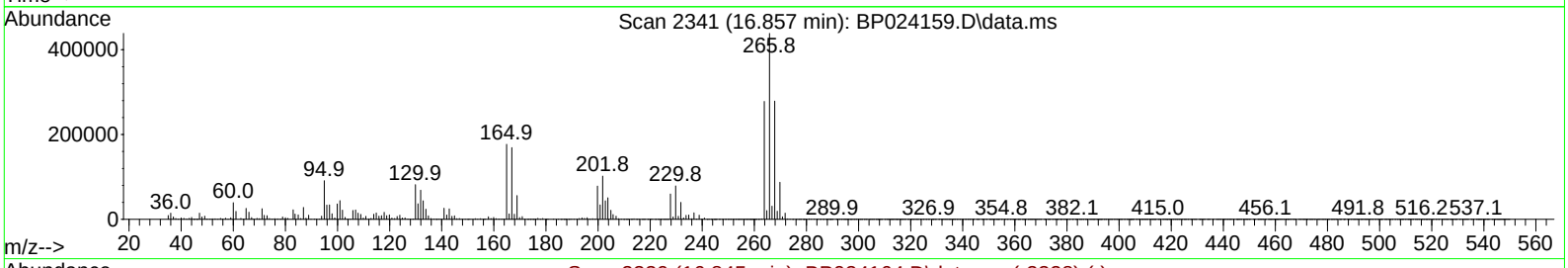
Sample Results: **BP024159.D**

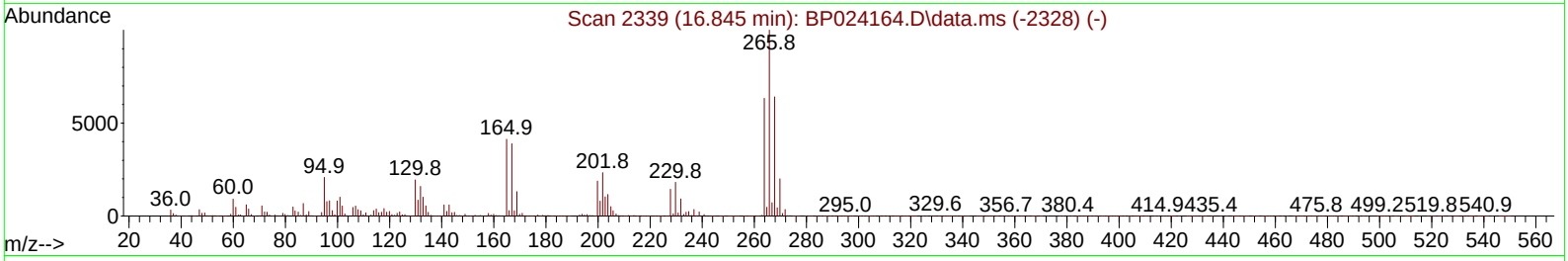
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024159.D
Acq On : 12 Mar 2025 15:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**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**

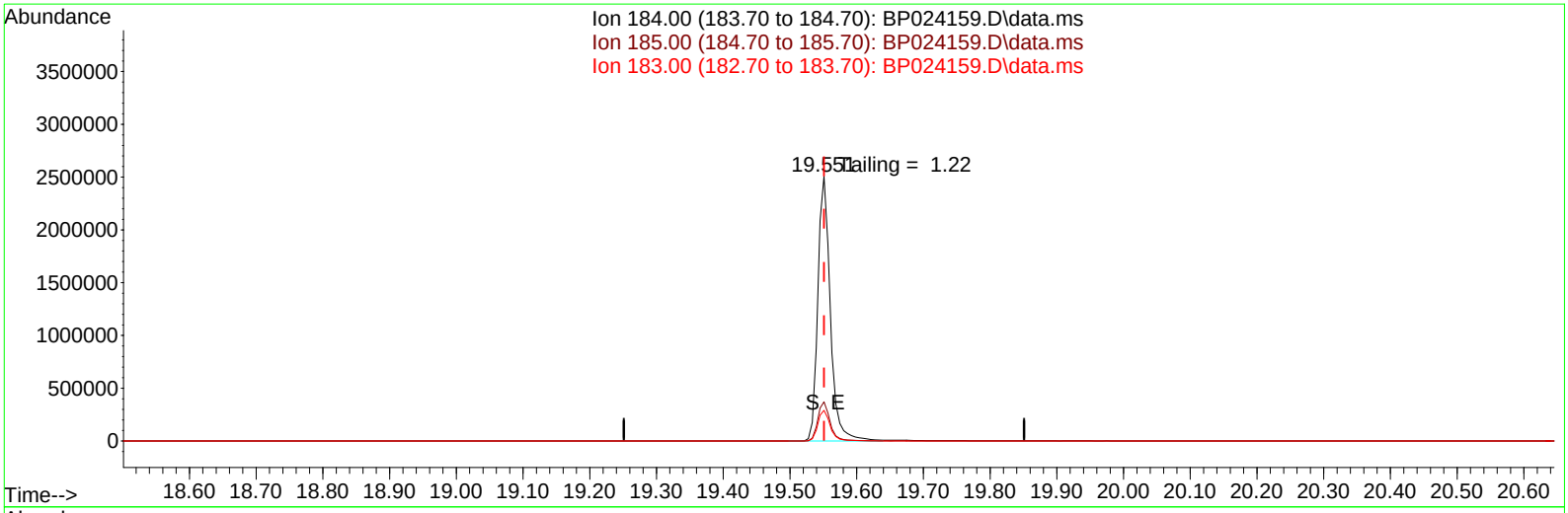
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 64.10 | 63.56 |
| 264.00 | 63.30 | 63.37 |
| 0.00 | 0.00 | 0.00 |

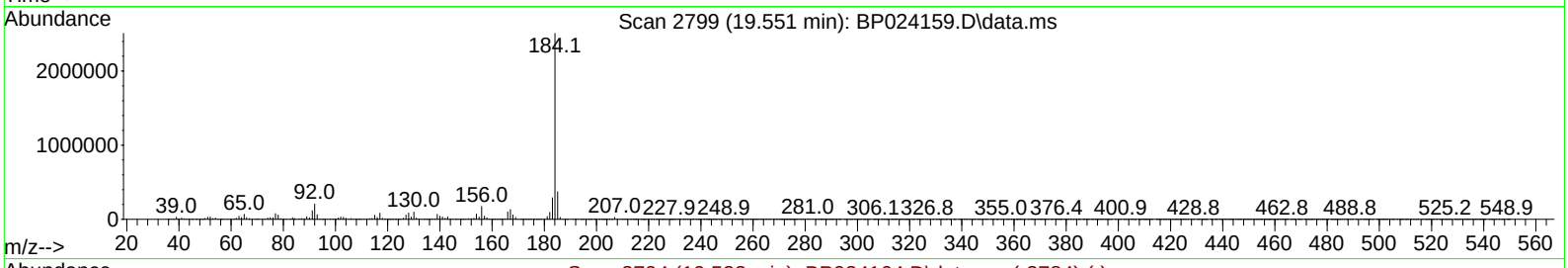
Sample Results: **BP024159.D**

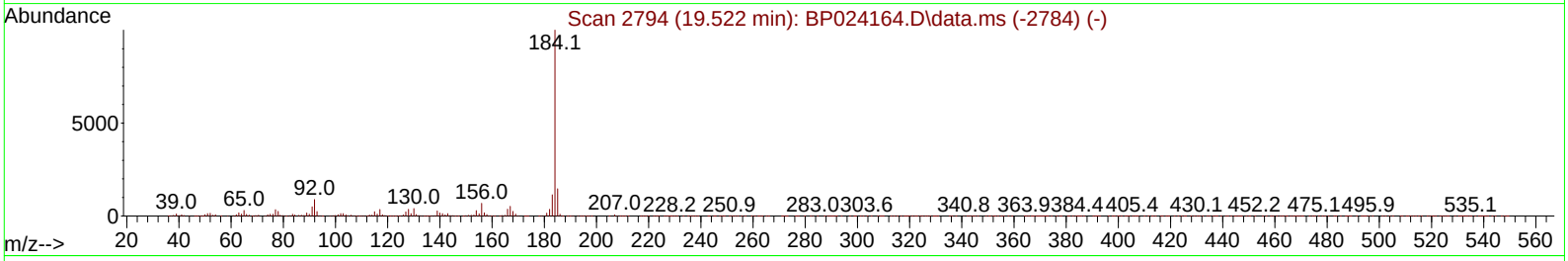
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024159.D
Acq On : 12 Mar 2025 15:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**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 |

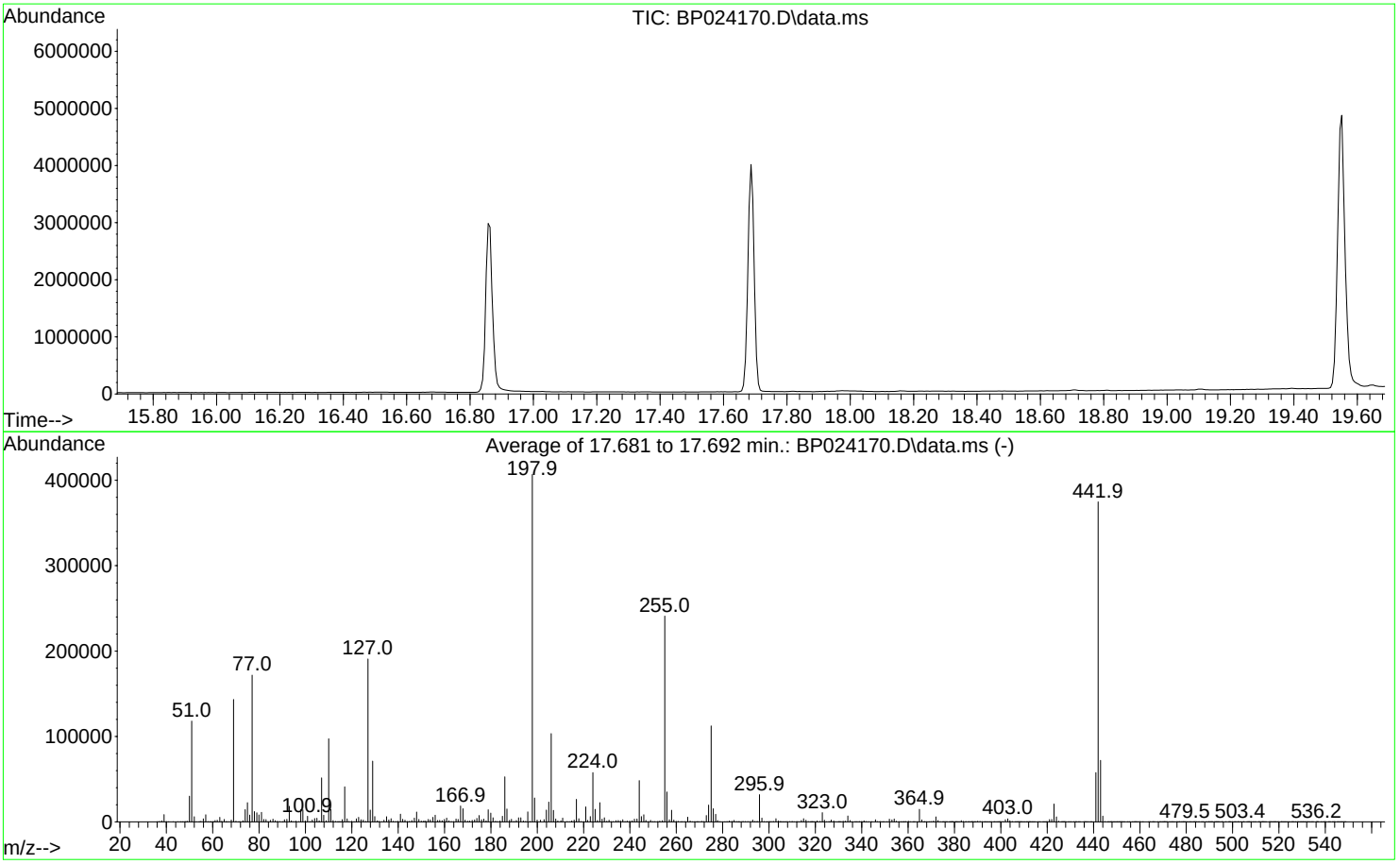
Sample Results: **BP024170.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031325\
Data File : BP024170.D
Acq On : 13 Mar 2025 09:41
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 2481, 2482, 2483; Background Corrected with Scan 2472

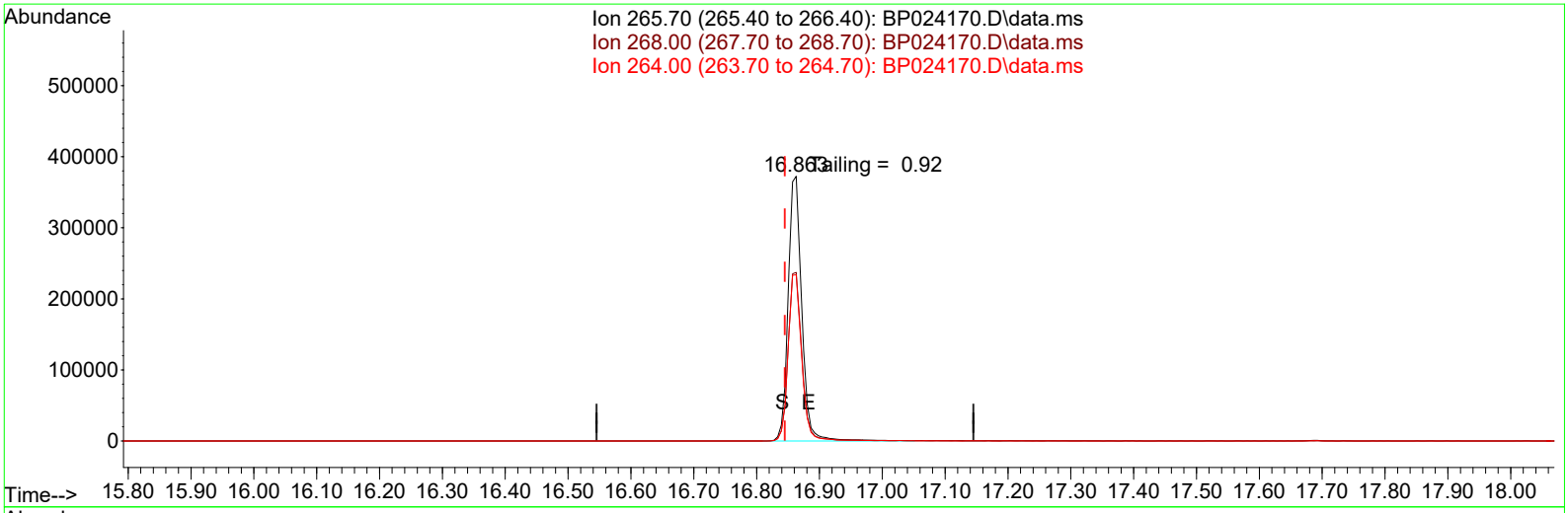
| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 29.0 | 118052 | PASS |
| 68 | 69 | 0.00 | 2 | 1.5 | 2218 | PASS |
| 69 | 198 | 0.00 | 100 | 35.2 | 143312 | PASS |
| 70 | 69 | 0.00 | 2 | 0.6 | 790 | PASS |
| 127 | 198 | 10 | 80 | 46.9 | 190703 | PASS |
| 197 | 198 | 0.00 | 2 | 0.1 | 548 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 406784 | PASS |
| 199 | 198 | 5 | 9 | 6.9 | 28034 | PASS |
| 275 | 198 | 10 | 60 | 27.6 | 112405 | PASS |
| 365 | 198 | 1 | 100 | 3.6 | 14767 | PASS |
| 441 | 198 | 0.01 | 100 | 14.2 | 57619 | PASS |
| 442 | 442 | 100 | 100 | 100.0 | 374803 | PASS |
| 443 | 442 | 15 | 24 | 19.2 | 71957 | PASS |

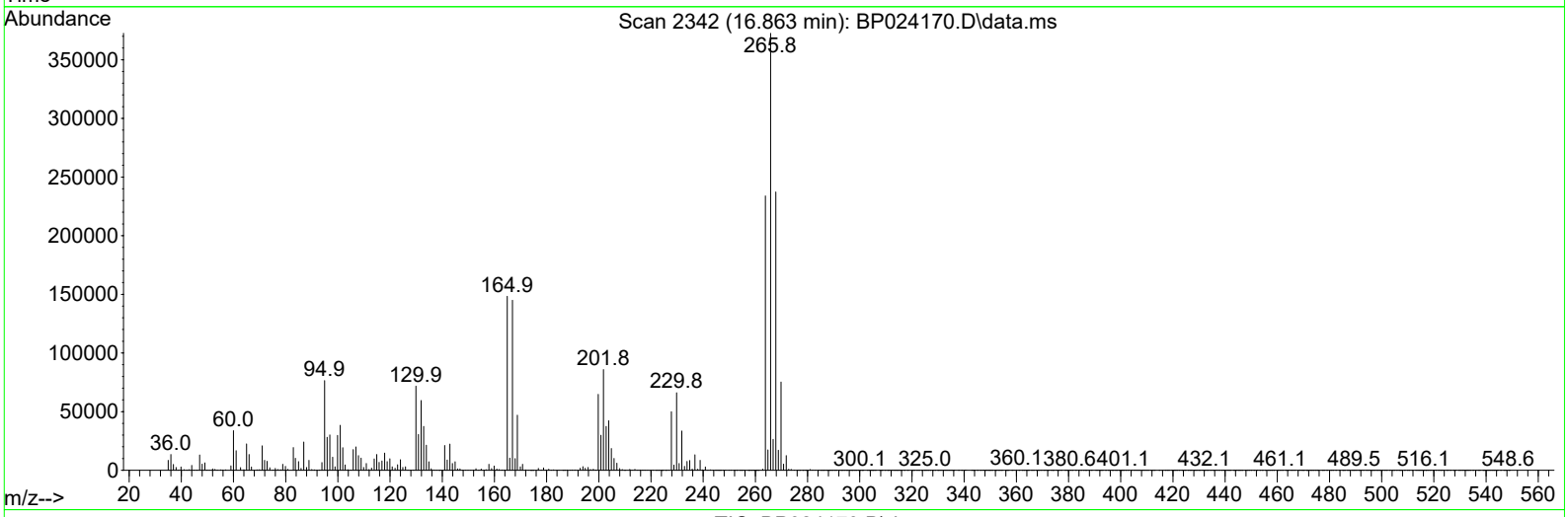
Sample Results: **BP024170.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031325\
Data File : BP024170.D
Acq On : 13 Mar 2025 09:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Mar 13 11:49:04 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: BP024170.D\data.ms

**(70) Pentachlorophenol (C)**

**16.863min (+ 0.018) 604215.30 ng**

**response 563611**

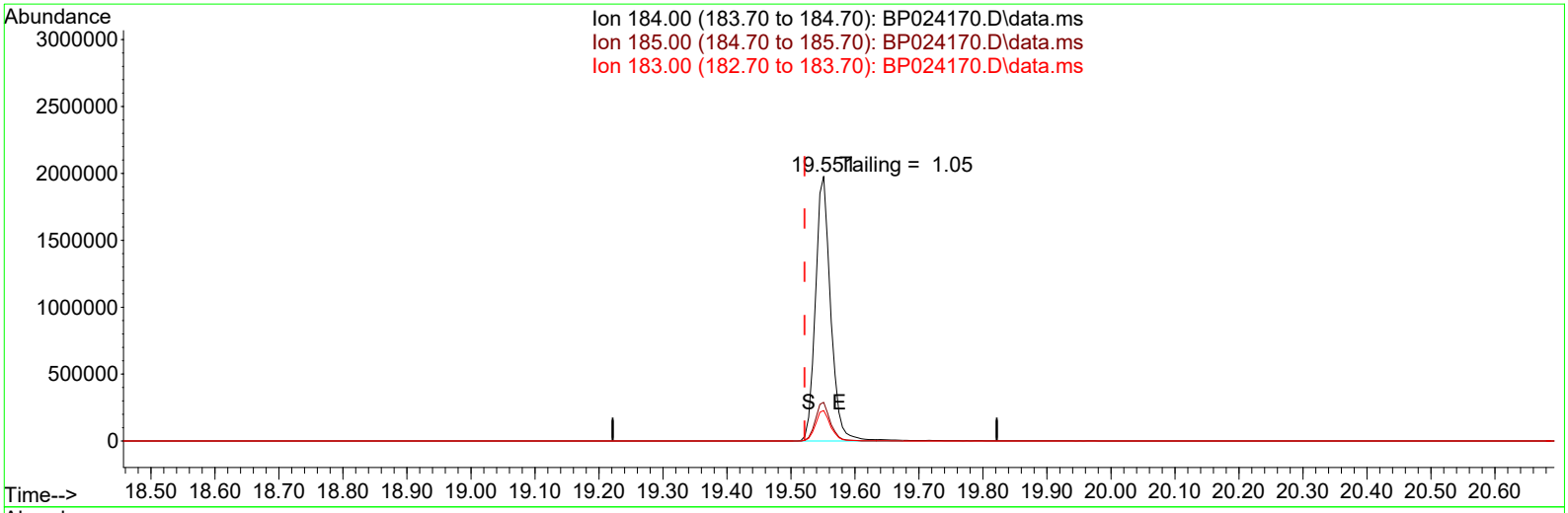
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 64.10 | 63.70 |
| 264.00 | 63.30 | 62.79 |
| 0.00 | 0.00 | 0.00 |

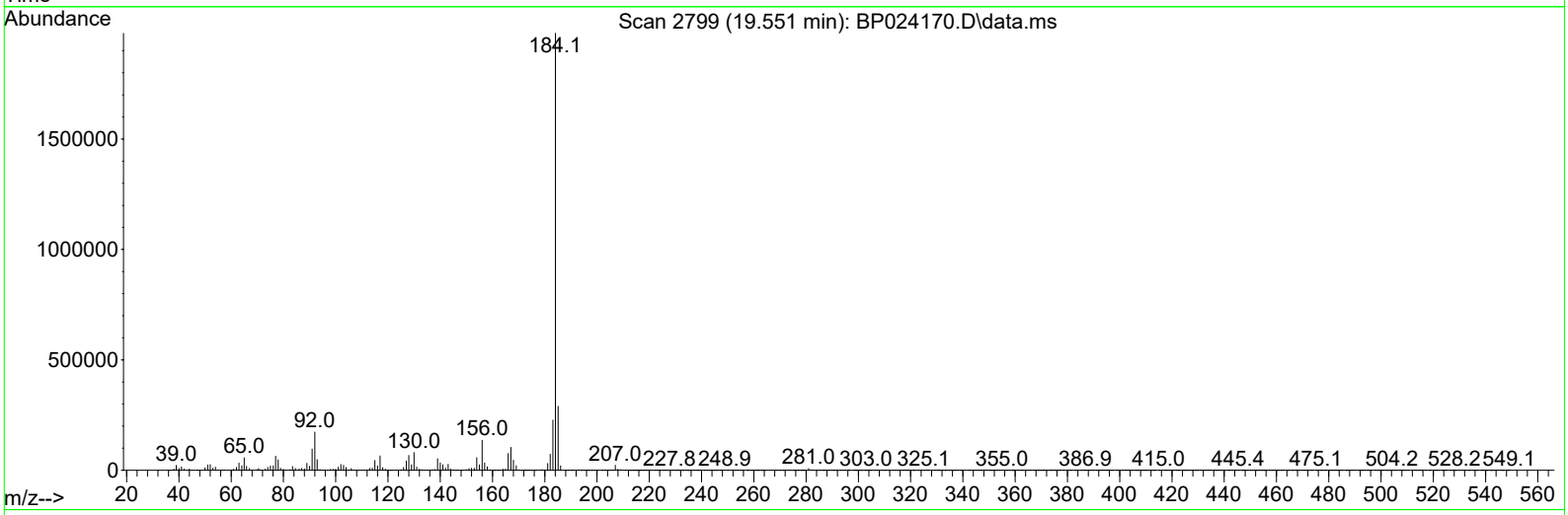
Sample Results: **BP024170.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031325\
Data File : BP024170.D
Acq On : 13 Mar 2025 09:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Mar 13 11:49:04 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: BP024170.D\data.ms

**(77) Benzidine**

**19.551min (+ 0.029) 3326037.58 ng**

**response 3272849**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.70 | 14.62 |
| 183.00 | 11.40 | 11.51 |
| 0.00 | 0.00 | 0.00 |

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 3/13/2025 | BNA_P | BP024170.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 1542848 | 20.851 |
| DDD | 21899 | 20.375 |
| DDE | 1202 | 19.857 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 23101 | 1565949 | 1.48 |
| | | |

Instrument :
BNA_P
ClientSampleId :
DFTPP

Raw Data: **BF141940.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Alliance Technical Group, LLC - Newark | Date Collected: | |
| Project: | NJ Waste Water PT | Date Received: | |
| Client Sample ID: | PB167097BL | SDG No.: | Q1502 |
| Lab Sample ID: | PB167097BL | Matrix: | Water |
| Analytical Method: | SW8270 | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group6 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF141940.D | 1 | 03/12/25 08:45 | 03/13/25 12:47 | PB167097 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 1912-24-9 | Atrazine | 1.00 | U | 1.00 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 4165-60-0 | Nitrobenzene-d5 | 93.3 | | 49 - 133 | 93% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 90.0 | | 52 - 132 | 90% | SPK: 100 |
| 1718-51-0 | Terphenyl-d14 | 87.3 | | 48 - 125 | 87% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 177000 | 6.875 | | | |
| 1146-65-2 | Naphthalene-d8 | 706000 | 8.157 | | | |
| 15067-26-2 | Acenaphthene-d10 | 408000 | 9.91 | | | |
| 1517-22-2 | Phenanthrene-d10 | 770000 | 11.392 | | | |
| 1719-03-5 | Chrysene-d12 | 602000 | 14.027 | | | |
| 1520-96-3 | Perylene-d12 | 427000 | 15.498 | | | |

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141940.D
Acq On : 13 Mar 2025 12:47
Operator : RC/JU
Sample : PB167097BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BL

Quant Time: Mar 13 13:06:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

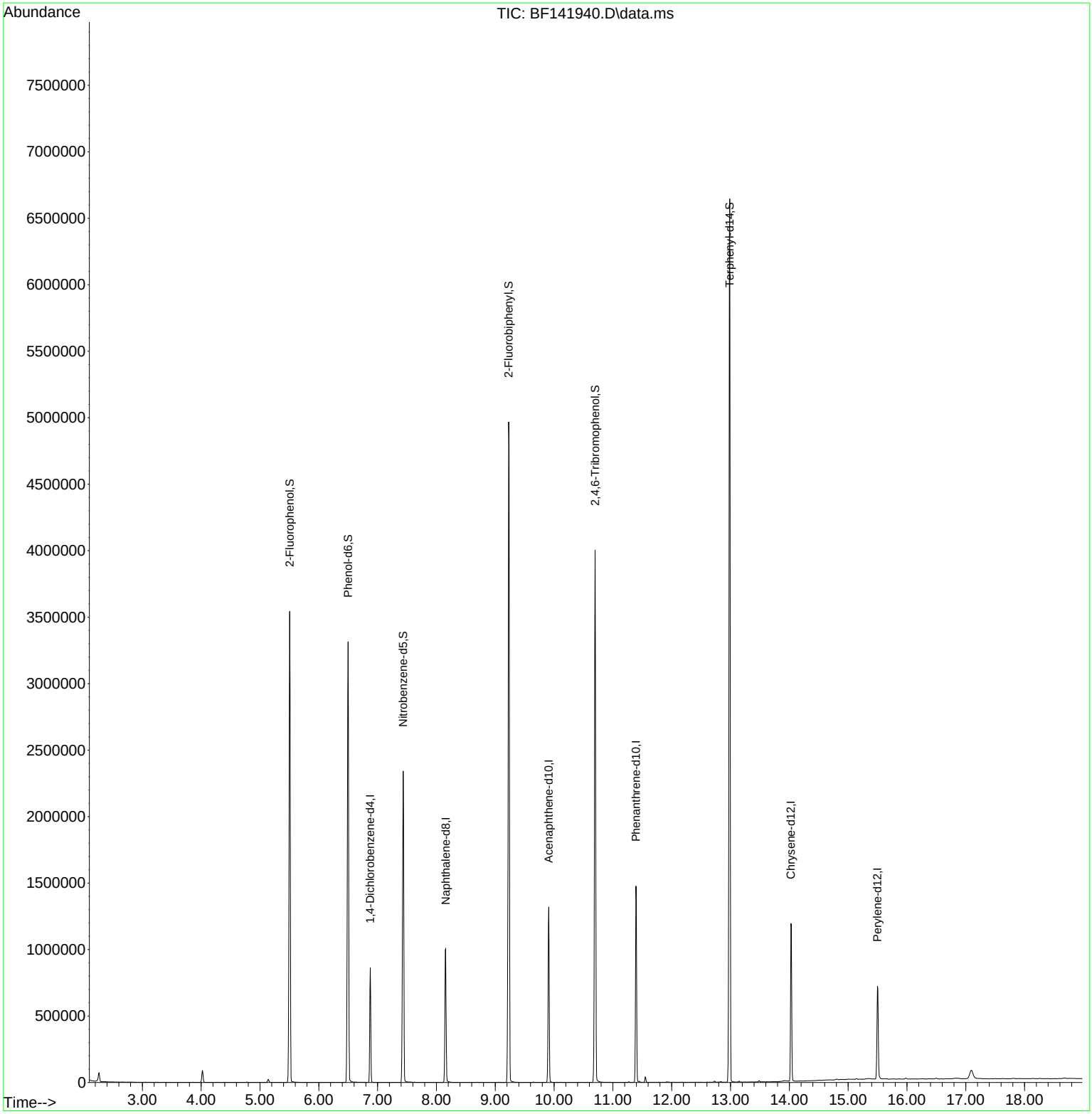
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 176773 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 705846 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.910 | 164 | 407739 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.392 | 188 | 769835 | 20.000 | ng | -0.01 |
| 76) Chrysene-d12 | 14.027 | 240 | 601564 | 20.000 | ng | -0.01 |
| 86) Perylene-d12 | 15.498 | 264 | 427331 | 20.000 | ng | -0.01 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.504 | 112 | 1423729 | 134.418 | ng | 0.01 |
| 7) Phenol-d6 | 6.498 | 99 | 1748591 | 129.663 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.434 | 82 | 1170774 | 93.344 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.698 | 330 | 794330 | 153.562 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.228 | 172 | 2412754 | 89.992 | ng | -0.01 |
| 79) Terphenyl-d14 | 12.986 | 244 | 3551821 | 87.293 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |

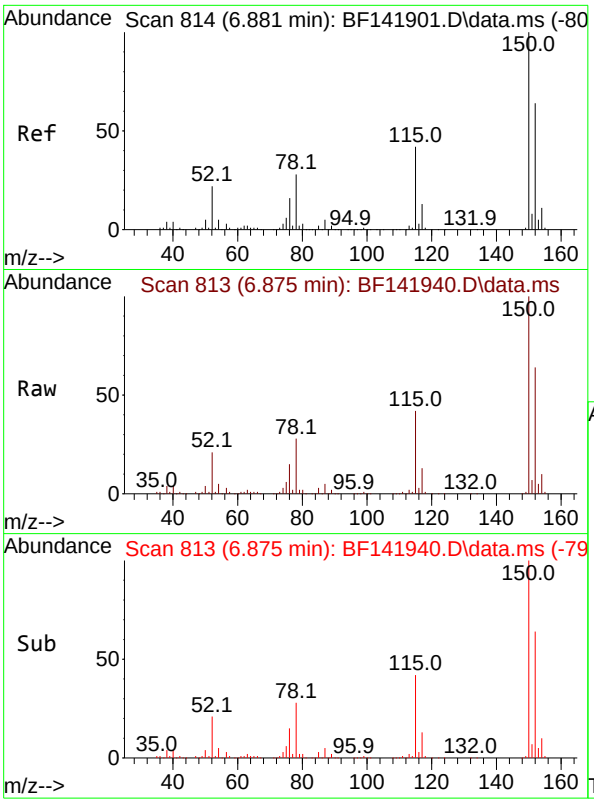
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141940.D
Acq On : 13 Mar 2025 12:47
Operator : RC/JU
Sample : PB167097BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BL

Quant Time: Mar 13 13:06:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



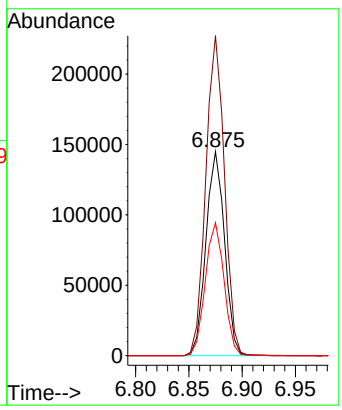


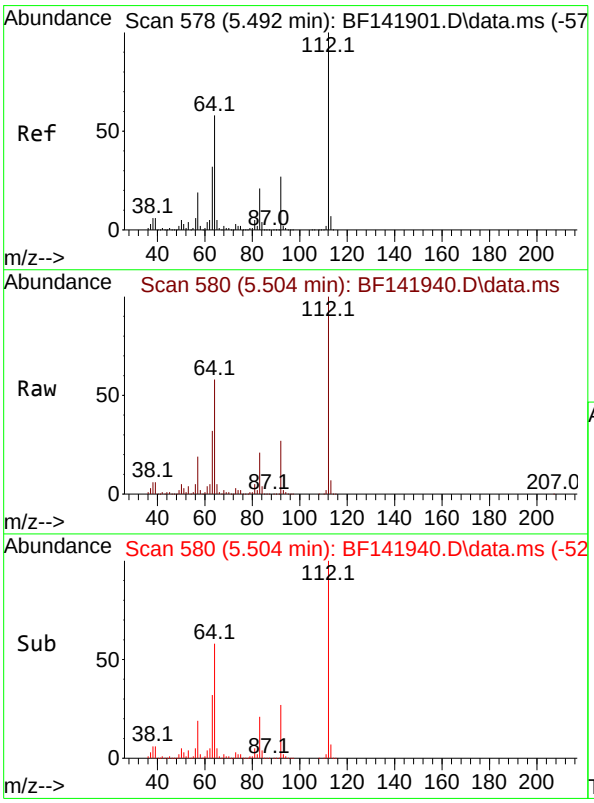

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BL

Tgt Ion:152 Resp: 176773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.9 | 127.4 | 191.2 |
| 115 | 65.2 | 51.9 | 77.9 |

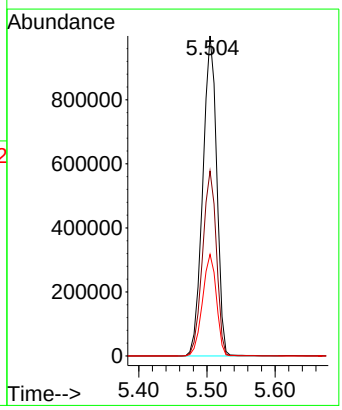


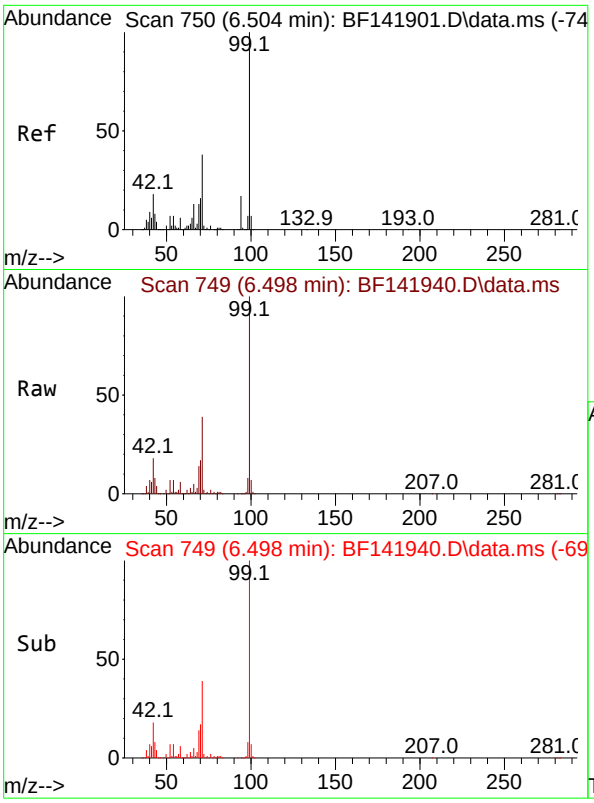




#5
2-Fluorophenol
Concen: 134.418 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Tgt Ion:112 Resp: 1423729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.8 | 46.5 | 69.7 |
| 63 | 31.8 | 25.4 | 38.2 |



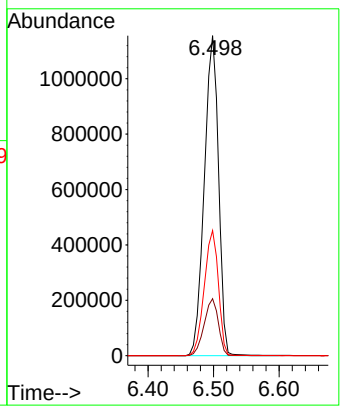


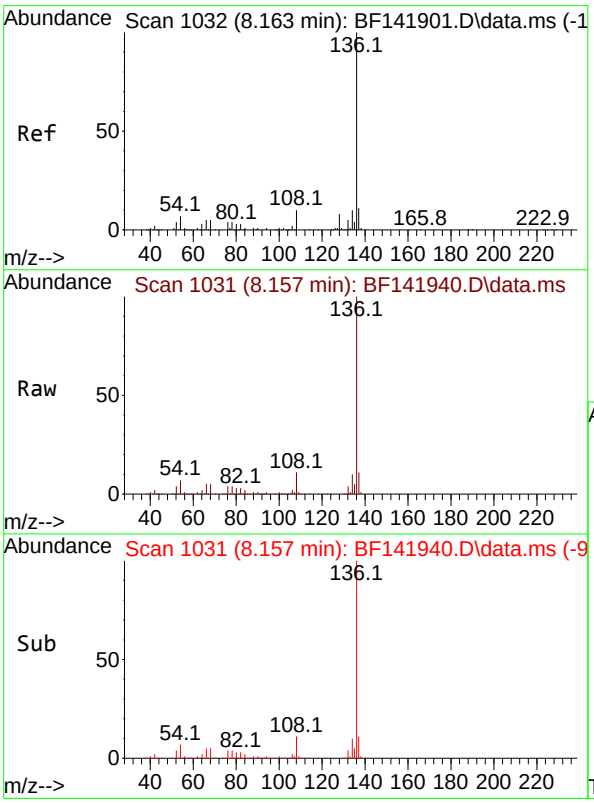

#7
Phenol-d6
Concen: 129.663 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BL

Tgt Ion: 99 Resp: 1748591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.8 | 14.6 | 21.8 |
| 71 | 39.1 | 30.8 | 46.2 |

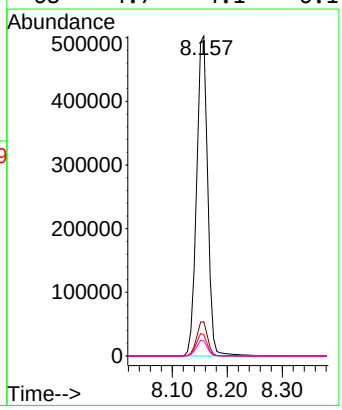


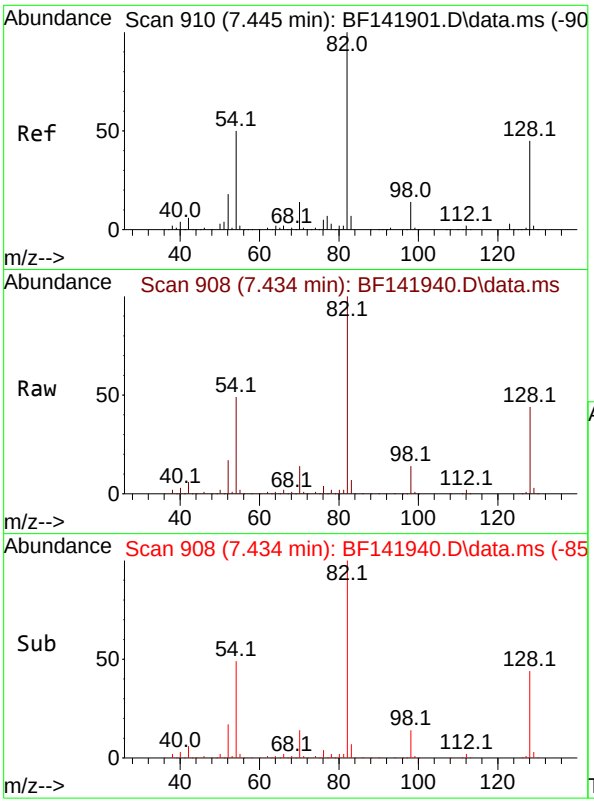




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Tgt Ion:136 Resp: 705846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.8 | 13.2 |
| 54 | 6.7 | 5.8 | 8.8 |
| 68 | 4.7 | 4.1 | 6.1 |



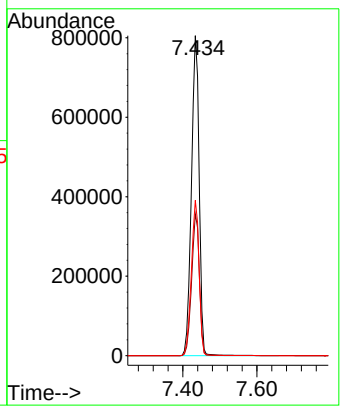


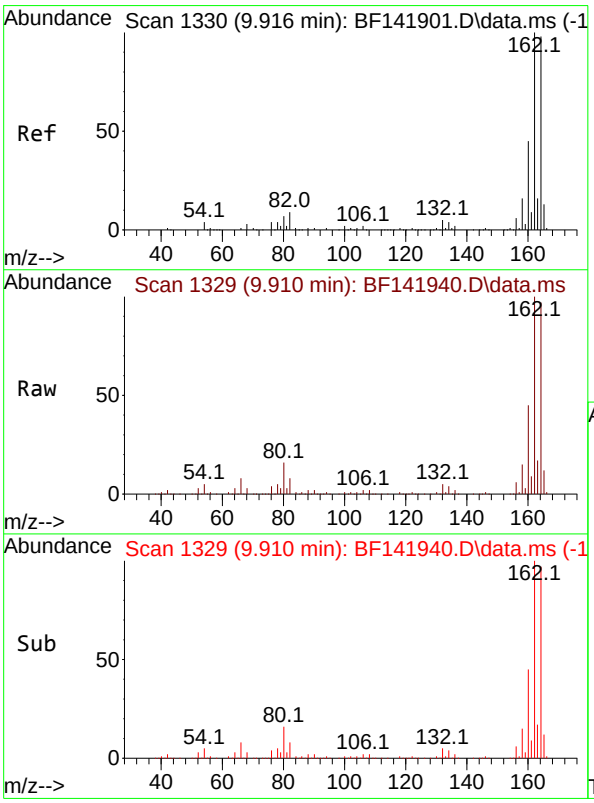

#23
Nitrobenzene-d5
Concen: 93.344 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BL

Tgt Ion: 82 Resp: 1170774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.3 | 36.0 | 54.0 |
| 54 | 48.6 | 39.6 | 59.4 |

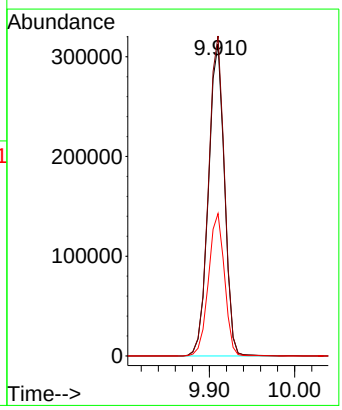


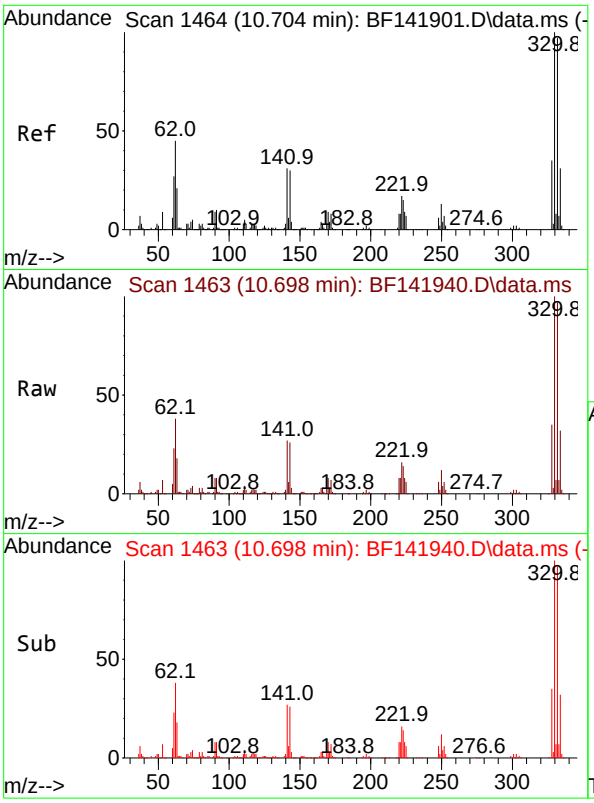




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Tgt Ion:164 Resp: 407739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.6 | 81.8 | 122.6 |
| 160 | 45.7 | 36.7 | 55.1 |



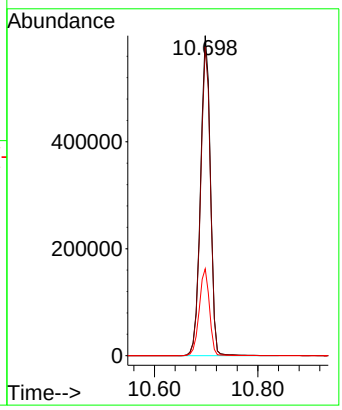


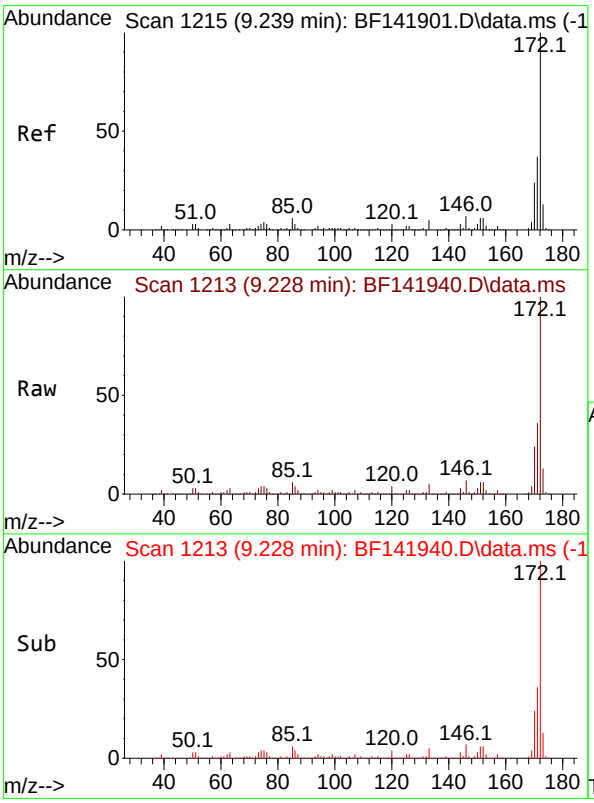

#42
2,4,6-Tribromophenol
Concen: 153.562 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BL

Tgt Ion:330 Resp: 794330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 77.6 | 116.4 |
| 141 | 28.1 | 24.7 | 37.1 |

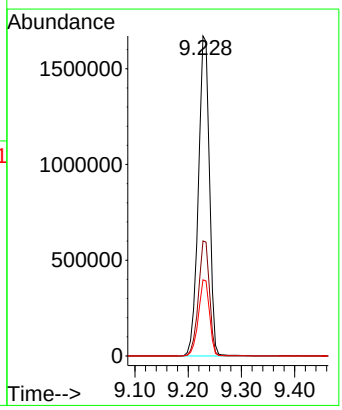


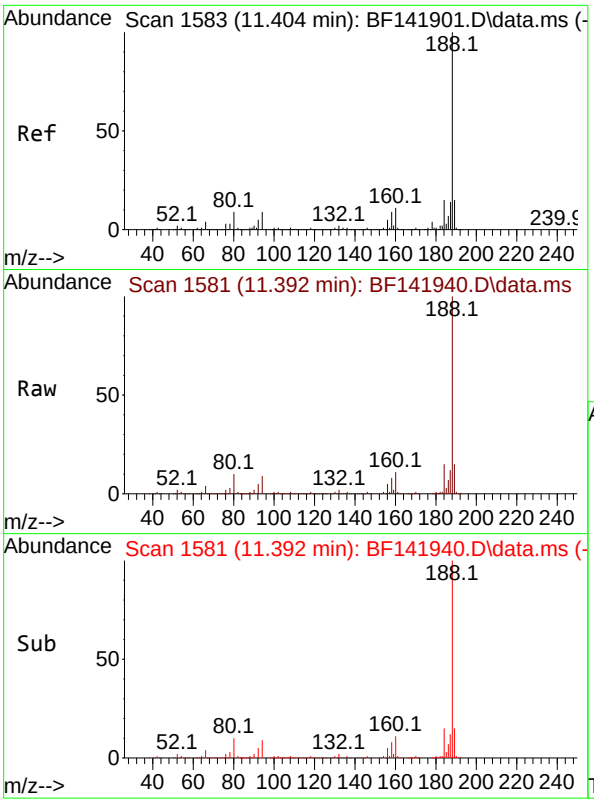




#45
2-Fluorobiphenyl
Concen: 89.992 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Tgt Ion:172 Resp: 2412754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.9 | 29.3 | 43.9 |
| 170 | 23.8 | 19.4 | 29.0 |



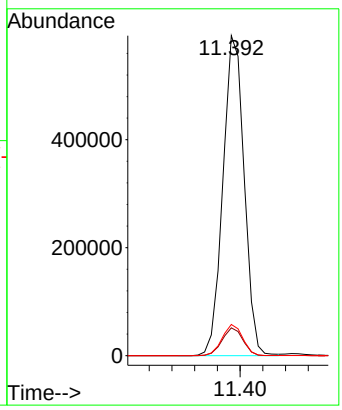


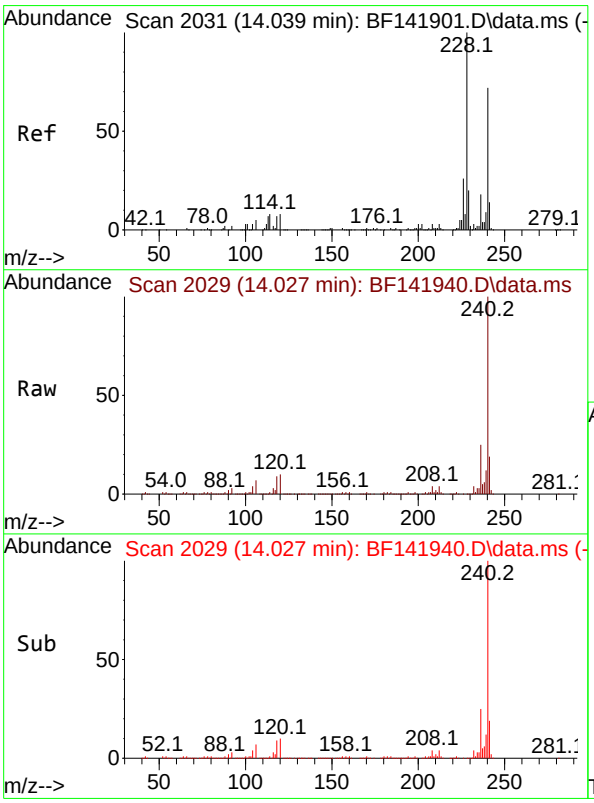

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BL

Tgt Ion:188 Resp: 769835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.7 | 6.8 | 10.2 |
| 80 | 9.8 | 7.6 | 11.4 |

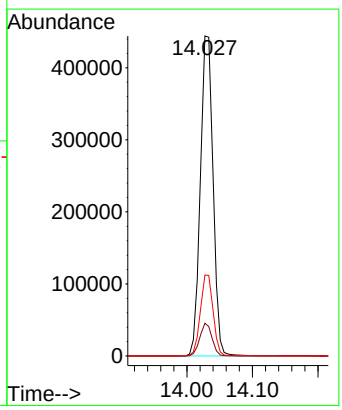


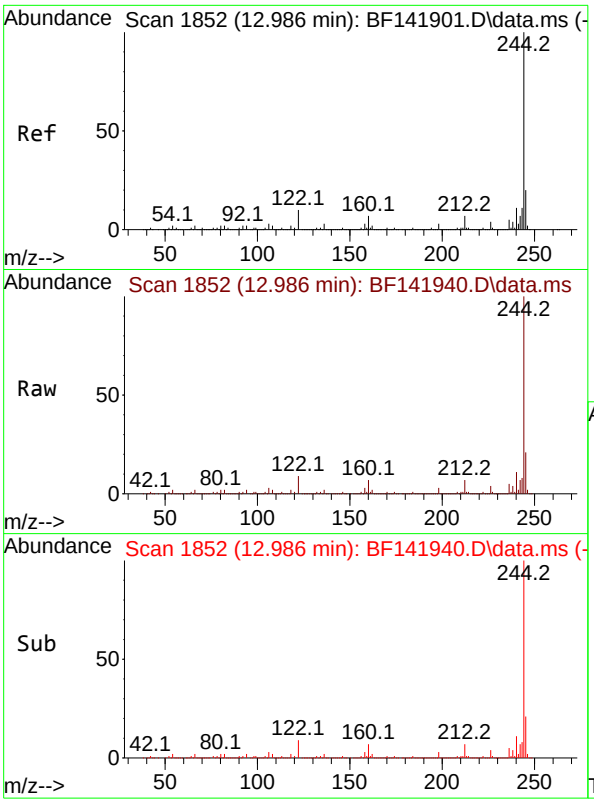




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.012 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Tgt Ion:240 Resp: 601564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.2 | 8.4 | 12.6 |
| 236 | 25.3 | 20.5 | 30.7 |



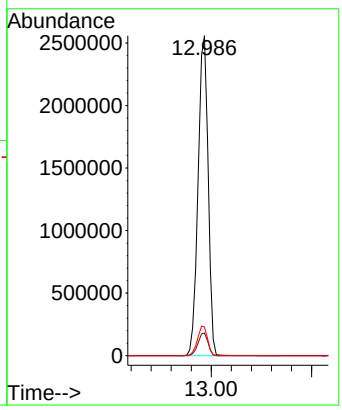


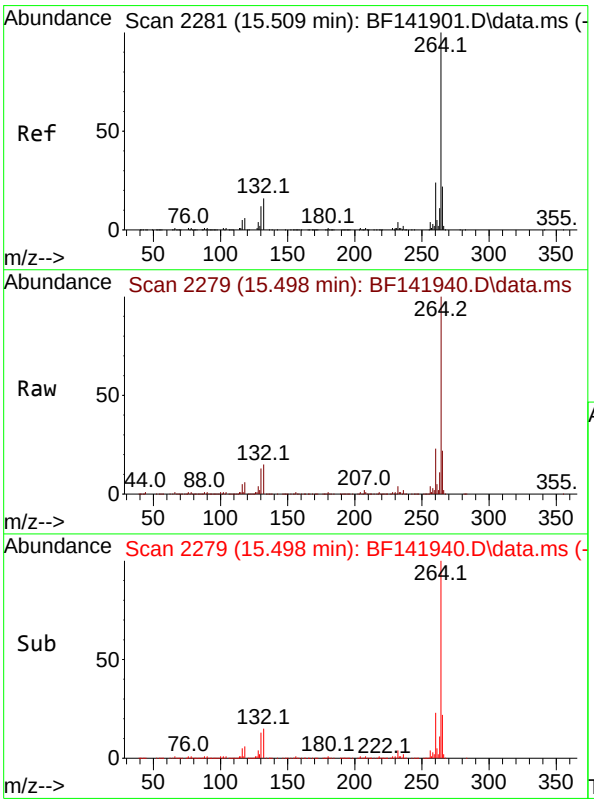

#79
Terphenyl-d14
Concen: 87.293 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BL

Tgt Ion:244 Resp: 3551821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 6.0 | 9.0 |
| 122 | 9.0 | 7.7 | 11.5 |

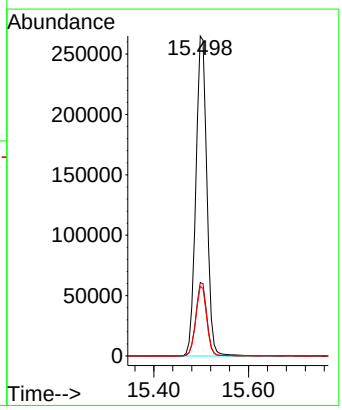



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2279
Delta R.T. -0.012 min
Lab File: BF141940.D
Acq: 13 Mar 2025 12:47

Tgt Ion:264 Resp: 427331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.9 | 19.1 | 28.7 |
| 265 | 21.7 | 17.5 | 26.3 |



Raw Data: **BF141941.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Alliance Technical Group, LLC - Newark | Date Collected: | |
| Project: | NJ Waste Water PT | Date Received: | |
| Client Sample ID: | PB167097BS | SDG No.: | Q1502 |
| Lab Sample ID: | PB167097BS | Matrix: | Water |
| Analytical Method: | SW8270 | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group6 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF141941.D | 1 | 03/12/25 08:45 | 03/13/25 13:17 | PB167097 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 1912-24-9 | Atrazine | 61.7 | | 1.00 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 4165-60-0 | Nitrobenzene-d5 | 98.6 | | 49 - 133 | 99% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 97.8 | | 52 - 132 | 98% | SPK: 100 |
| 1718-51-0 | Terphenyl-d14 | 105 | | 48 - 125 | 105% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 168000 | 6.875 | | | |
| 1146-65-2 | Naphthalene-d8 | 667000 | 8.157 | | | |
| 15067-26-2 | Acenaphthene-d10 | 381000 | 9.916 | | | |
| 1517-22-2 | Phenanthrene-d10 | 657000 | 11.398 | | | |
| 1719-03-5 | Chrysene-d12 | 424000 | 14.039 | | | |
| 1520-96-3 | Perylene-d12 | 371000 | 15.504 | | | |

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

Sample Results: **BF141941.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141941.D
Acq On : 13 Mar 2025 13:17
Operator : RC/JU
Sample : PB167097BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 13 13:42:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations APPROVED**

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 167779 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 666660 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 381133 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.398 | 188 | 657343 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.039 | 240 | 424407 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.504 | 264 | 370791 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.510 | 112 | 1406671 | 139.927 | ng | | 0.02 |
| 7) Phenol-d6 | 6.504 | 99 | 1754393 | 137.067 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.439 | 82 | 1168111 | 98.606 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.704 | 330 | 773860 | 160.048 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.233 | 172 | 2451144 | 97.806 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.986 | 244 | 3018229 | 105.142 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.787 | 88 | 183786 | 43.632 | ng | | 99 |
| 3) Pyridine | 3.534 | 79 | 435363 | 42.136 | ng | | 100 |
| 4) n-Nitrosodimethylamine | 3.481 | 42 | 219416 | 44.549 | ng | | 97 |
| 6) Aniline | 6.539 | 93 | 455935 | 36.109 | ng | | 99 |
| 8) 2-Chlorophenol | 6.663 | 128 | 522369 | 46.852 | ng | | 99 |
| 9) Benzaldehyde | 6.428 | 77 | 161518 | 22.563 | ng | | 99 |
| 10) Phenol | 6.516 | 94 | 616143 | 45.757 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.616 | 93 | 460406 | 45.535 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.816 | 146 | 549049 | 45.613 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 6.892 | 146 | 558151 | 45.829 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.045 | 146 | 535333 | 46.667 | ng | | 99 |
| 15) Benzyl Alcohol | 7.016 | 79 | 464922 | 44.930 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151 | 45 | 521817 | 42.748 | ng | | 99 |
| 17) 2-Methylphenol | 7.128 | 107 | 413870 | 46.686 | ng | | 98 |
| 18) Hexachloroethane | 7.392 | 117 | 206331 | 45.179 | ng | | 94 |
| 19) n-Nitroso-di-n-propyla... | 7.292 | 70 | 356374 | 43.331 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.281 | 107 | 525851 | 46.311 | ng | # | 81 |
| 22) Acetophenone | 7.286 | 105 | 794019 | 49.735 | ng | | 98 |
| 24) Nitrobenzene | 7.457 | 77 | 540933 | 45.933 | ng | | 100 |
| 25) Isophorone | 7.698 | 82 | 992286 | 47.387 | ng | | 100 |
| 26) 2-Nitrophenol | 7.775 | 139 | 274315 | 47.460 | ng | | 100 |
| 27) 2,4-Dimethylphenol | 7.804 | 122 | 458082 | 57.557 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.904 | 93 | 584252 | 44.484 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.010 | 162 | 454991 | 46.058 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.098 | 180 | 489377 | 44.952 | ng | | 100 |
| 31) Naphthalene | 8.181 | 128 | 1521001 | 44.415 | ng | | 100 |
| 32) Benzoic acid | 7.928 | 122 | 368882 | 52.727 | ng | | 99 |
| 33) 4-Chloroaniline | 8.222 | 127 | 189925 | 15.710 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.298 | 225 | 330110 | 46.496 | ng | | 99 |
| 35) Caprolactam | 8.598 | 113 | 149736m | 49.717 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.704 | 107 | 506070 | 45.924 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.869 | 142 | 984016 | 42.989 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.969 | 142 | 975143 | 44.147 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.039 | 216 | 589567 | 50.807 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 787647 | 173.440 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.145 | 196 | 373446 | 49.244 | ng | | 100 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141941.D
Acq On : 13 Mar 2025 13:17
Operator : RC/JU
Sample : PB167097BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 13 13:42:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations APPROVED**

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 9.186 | 196 | 348841 | 45.418 | ng | | 100 |
| 46) | 1,1'-Biphenyl | 9.333 | 154 | 1455375 | 50.256 | ng | | 100 |
| 47) | 2-Chloronaphthalene | 9.363 | 162 | 993605 | 46.033 | ng | | 99 |
| 48) | 2-Nitroaniline | 9.451 | 65 | 295534 | 47.288 | ng | | 97 |
| 49) | Acenaphthylene | 9.775 | 152 | 1553482 | 48.500 | ng | | 100 |
| 50) | Dimethylphthalate | 9.639 | 163 | 1224816 | 45.891 | ng | | 100 |
| 51) | 2,6-Dinitrotoluene | 9.698 | 165 | 259612 | 46.717 | ng | | 96 |
| 52) | Acenaphthene | 9.951 | 154 | 1170255 | 51.989 | ng | | 98 |
| 53) | 3-Nitroaniline | 9.863 | 138 | 143947 | 25.536 | ng | | 100 |
| 54) | 2,4-Dinitrophenol | 9.975 | 184 | 318705 | 99.219 | ng | # | 46 |
| 55) | Dibenzofuran | 10.122 | 168 | 1417170 | 44.061 | ng | | 99 |
| 56) | 4-Nitrophenol | 10.022 | 139 | 439494 | 103.387 | ng | | 98 |
| 57) | 2,4-Dinitrotoluene | 10.104 | 165 | 361052 | 49.745 | ng | | 99 |
| 58) | Fluorene | 10.463 | 166 | 1147740 | 46.273 | ng | | 99 |
| 59) | 2,3,4,6-Tetrachlorophenol | 10.233 | 232 | 323625 | 46.303 | ng | | 100 |
| 60) | Diethylphthalate | 10.339 | 149 | 1194423 | 44.881 | ng | | 99 |
| 61) | 4-Chlorophenyl-phenyle... | 10.457 | 204 | 597749 | 46.224 | ng | | 96 |
| 62) | 4-Nitroaniline | 10.480 | 138 | 256469 | 46.734 | ng | | 99 |
| 63) | Azobenzene | 10.616 | 77 | 1083805 | 43.803 | ng | | 98 |
| 65) | 4,6-Dinitro-2-methylph... | 10.510 | 198 | 199851 | 50.999 | ng | | 97 |
| 66) | n-Nitrosodiphenylamine | 10.574 | 169 | 997450 | 46.890 | ng | | 100 |
| 67) | 4-Bromophenyl-phenylether | 10.945 | 248 | 382756 | 46.364 | ng | | 97 |
| 68) | Hexachlorobenzene | 11.010 | 284 | 437639 | 48.335 | ng | | 96 |
| 69) | Atrazine | 11.098 | 200 | 402029 | 61.650 | ng | | 99 |
| 70) | Pentachlorophenol | 11.204 | 266 | 557370 | 99.911 | ng | | 99 |
| 71) | Phenanthrene | 11.427 | 178 | 1669056 | 47.009 | ng | | 100 |
| 72) | Anthracene | 11.474 | 178 | 1712956 | 48.088 | ng | | 100 |
| 73) | Carbazole | 11.627 | 167 | 1439856 | 46.870 | ng | | 100 |
| 74) | Di-n-butylphthalate | 11.957 | 149 | 1842392 | 45.199 | ng | | 100 |
| 75) | Fluoranthene | 12.610 | 202 | 1728401 | 45.891 | ng | | 100 |
| 77) | Benzidine | 12.727 | 184 | 500180 | 84.472 | ng | | 100 |
| 78) | Pyrene | 12.839 | 202 | 1719348 | 46.834 | ng | | 100 |
| 80) | Butylbenzylphthalate | 13.457 | 149 | 660564 | 45.971 | ng | | 99 |
| 81) | Benzo(a)anthracene | 14.027 | 228 | 1314815 | 47.211 | ng | | 100 |
| 82) | 3,3'-Dichlorobenzidine | 13.986 | 252 | 227079 | 28.215 | ng | | 100 |
| 83) | Chrysene | 14.062 | 228 | 1167619 | 46.252 | ng | | 100 |
| 84) | Bis(2-ethylhexyl)phtha... | 14.015 | 149 | 882521 | 44.545 | ng | | 100 |
| 85) | Di-n-octyl phthalate | 14.627 | 149 | 1244287 | 45.138 | ng | | 99 |
| 87) | Indeno(1,2,3-cd)pyrene | 16.992 | 276 | 1228415 | 51.214 | ng | | 98 |
| 88) | Benzo(b)fluoranthene | 15.074 | 252 | 1177030 | 46.317 | ng | | 100 |
| 89) | Benzo(k)fluoranthene | 15.104 | 252 | 942444 | 43.336 | ng | | 100 |
| 90) | Benzo(a)pyrene | 15.445 | 252 | 996055 | 50.093 | ng | | 99 |
| 91) | Dibenzo(a,h)anthracene | 17.015 | 278 | 1005280 | 50.797 | ng | | 99 |
| 92) | Benzo(g,h,i)perylene | 17.445 | 276 | 938047 | 47.965 | ng | | 98 |

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

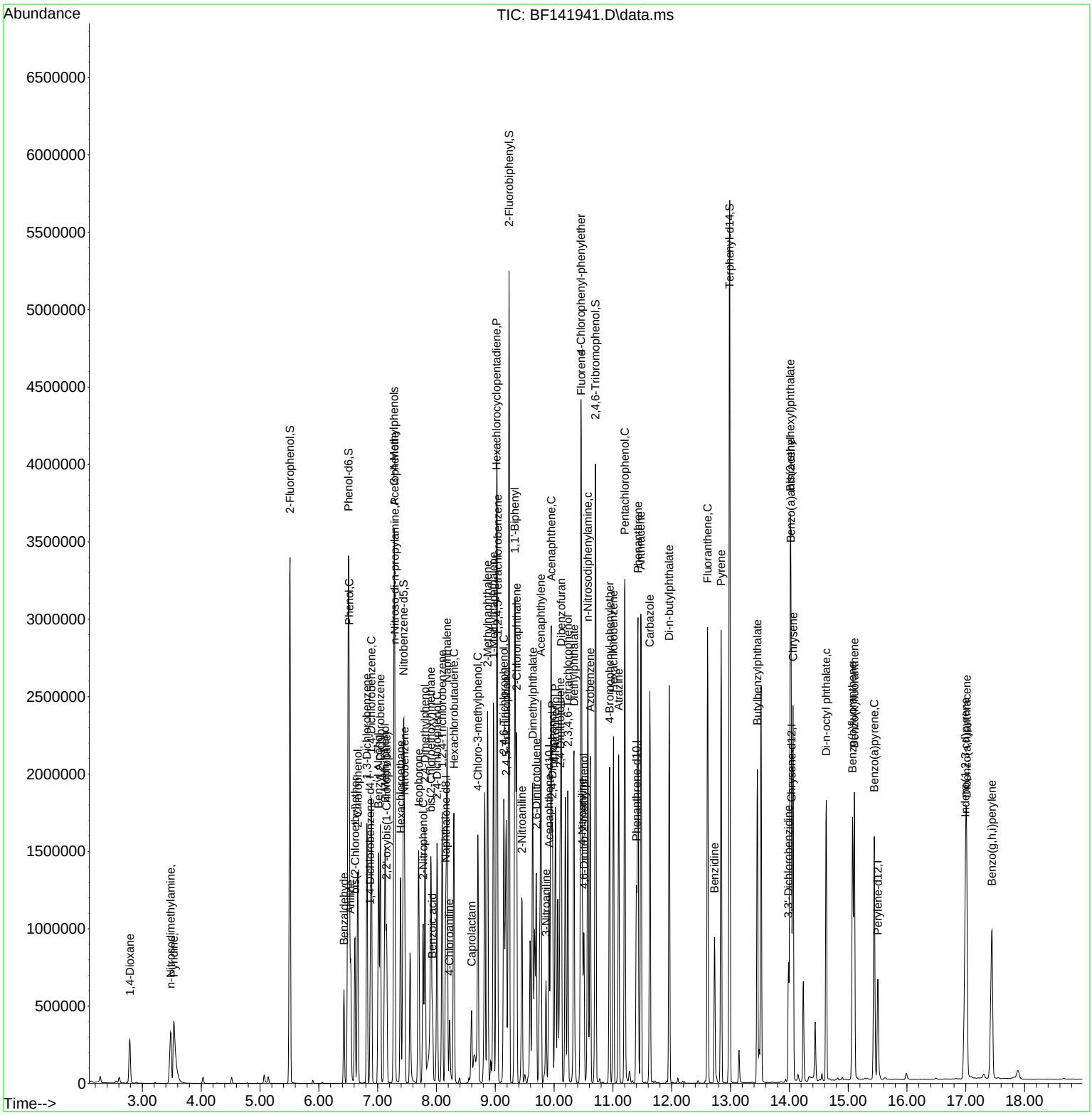
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141941.D
Acq On : 13 Mar 2025 13:17
Operator : RC/JU
Sample : PB167097BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

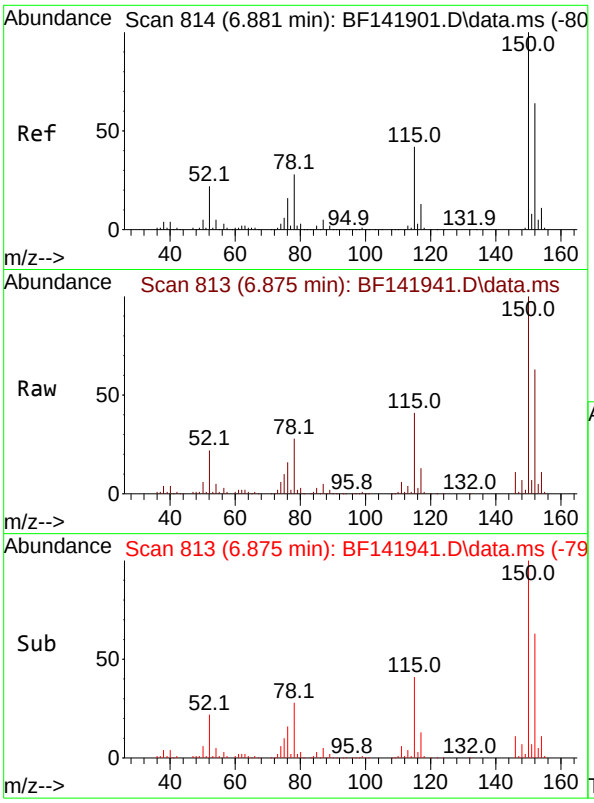
Quant Time: Mar 13 13:42:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations APPROVED**

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

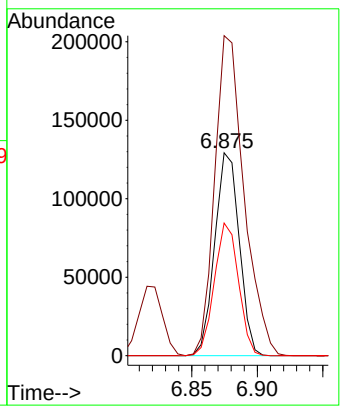





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:152 Resp: 16777

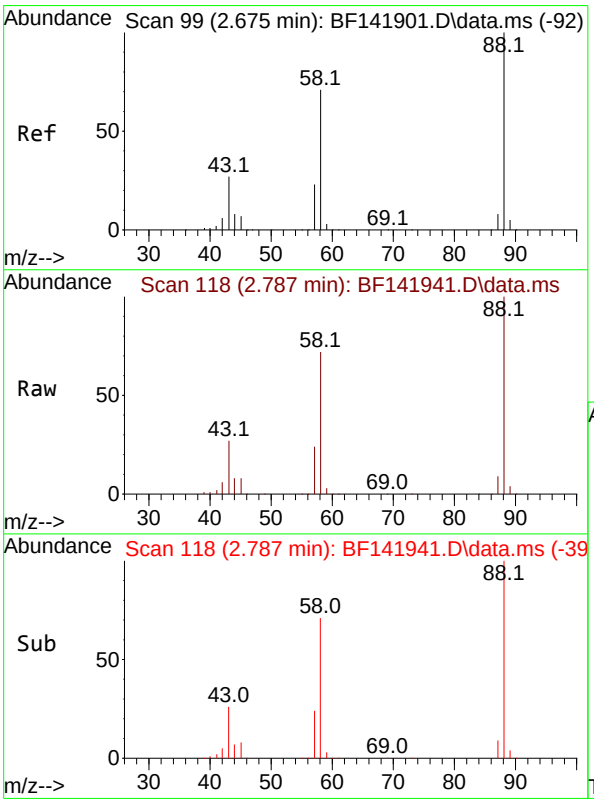
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.7 | 127.4 | 191.2 |
| 115 | 65.4 | 51.9 | 77.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

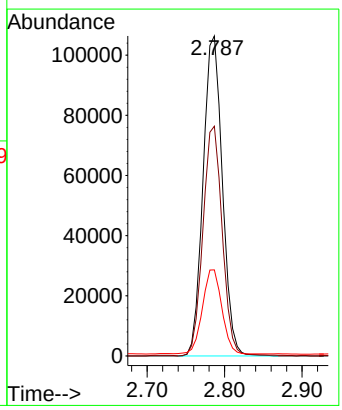
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

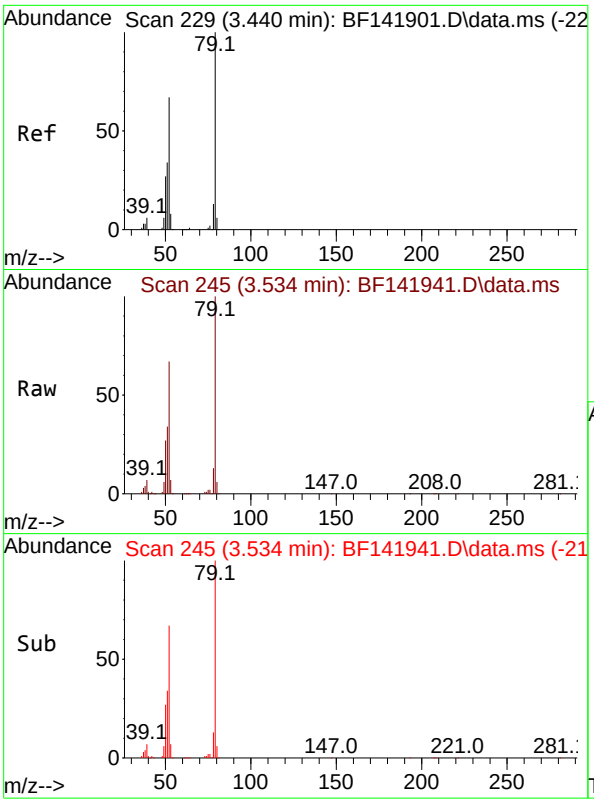



#2
1,4-Dioxane
Concen: 43.632 ng
RT: 2.787 min Scan# 118
Delta R.T. 0.112 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 88 Resp: 183786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 72.1 | 57.4 | 86.2 |
| 43 | 26.3 | 21.5 | 32.3 |






#3
Pyridine
Concen: 42.136 ng
RT: 3.534 min Scan# 24
Delta R.T. 0.094 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

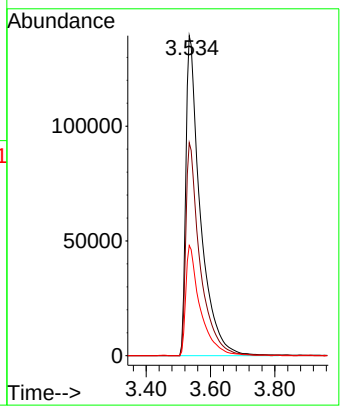
Tgt Ion: 79 Resp: 43536

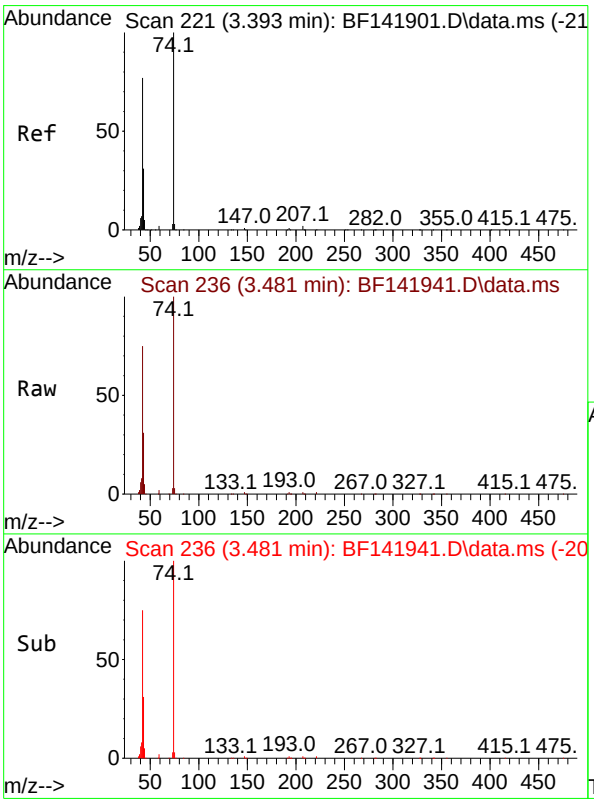
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 66.5 | 53.3 | 79.9 |
| 51 | 34.5 | 27.6 | 41.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

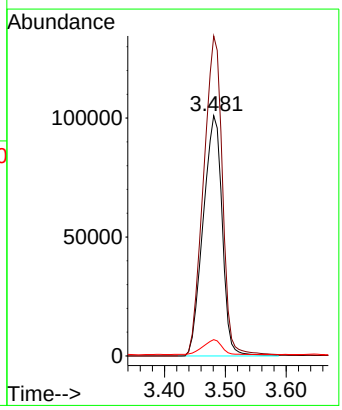


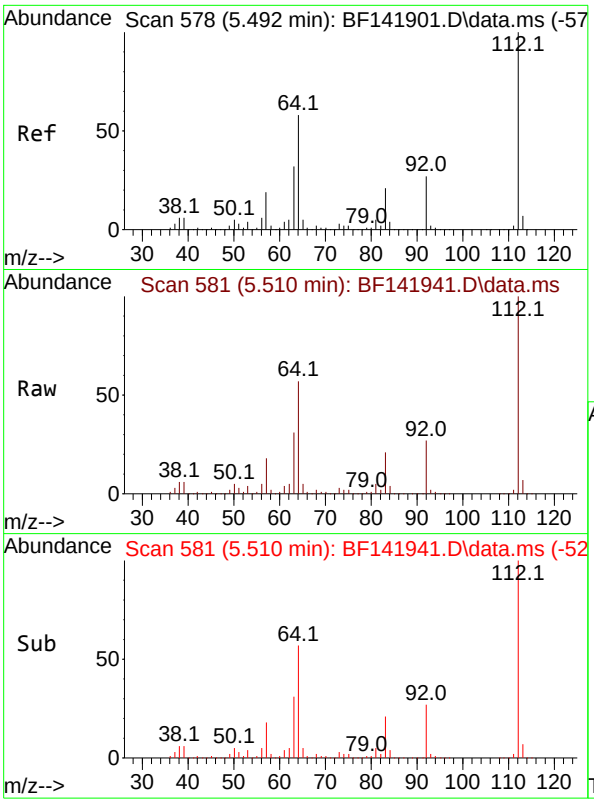




#4
n-Nitrosodimethylamine
Concen: 44.549 ng
RT: 3.481 min Scan# 236
Delta R.T. 0.088 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 42 Resp: 219416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 133.1 | 103.4 | 155.0 |
| 44 | 6.8 | 5.0 | 7.4 |

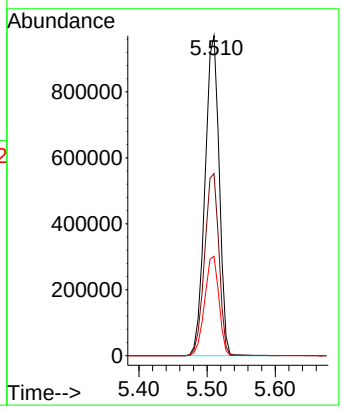





#5
2-Fluorophenol
Concen: 139.927 ng
RT: 5.510 min Scan# 5
Delta R.T. 0.018 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:112 Resp: 140667

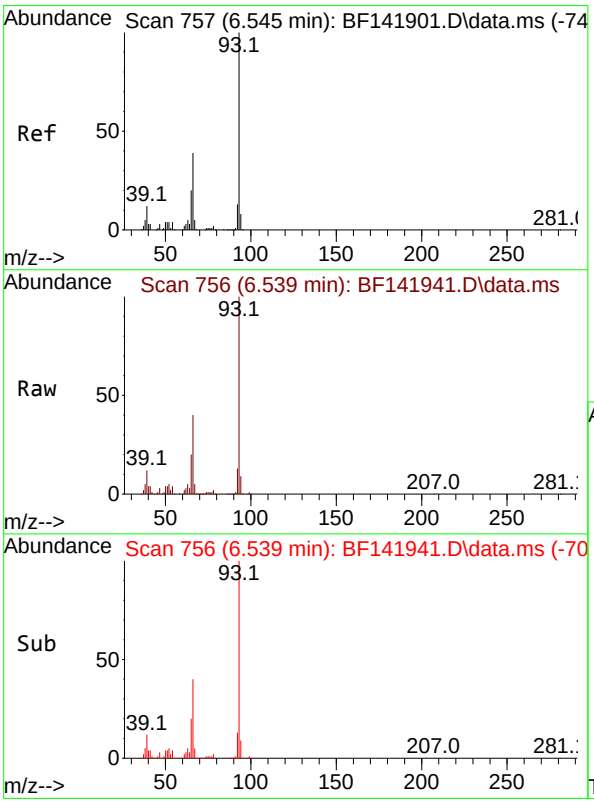
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.9 | 46.5 | 69.7 |
| 63 | 31.0 | 25.4 | 38.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

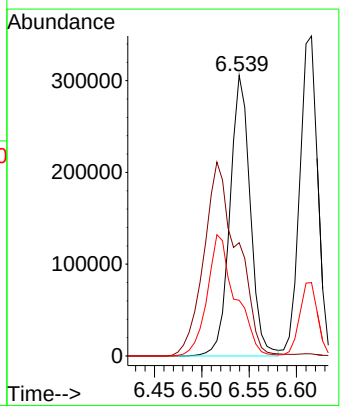
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

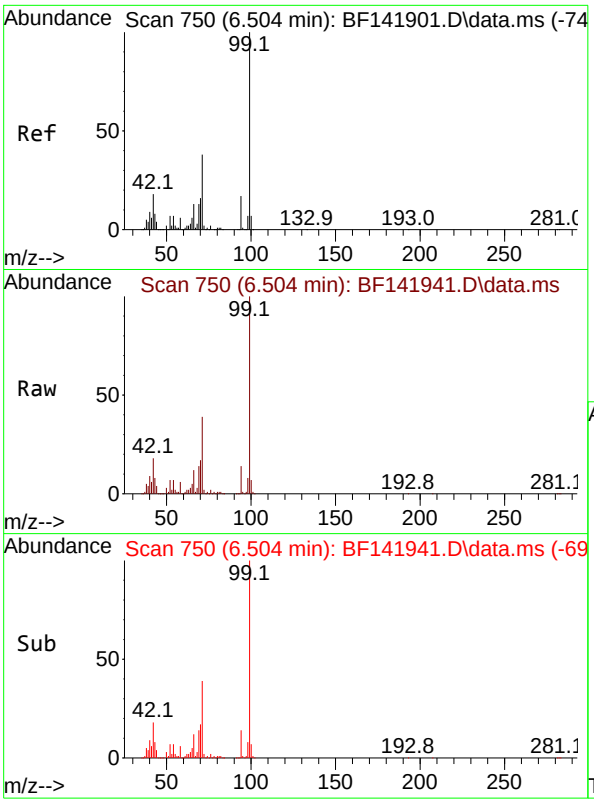



#6
Aniline
Concen: 36.109 ng
RT: 6.539 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 93 Resp: 455935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 40.4 | 31.9 | 47.9 |
| 65 | 19.8 | 15.8 | 23.6 |

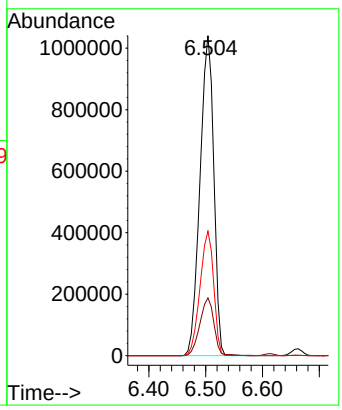





#7
Phenol-d6
Concen: 137.067 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 99 Resp: 175439

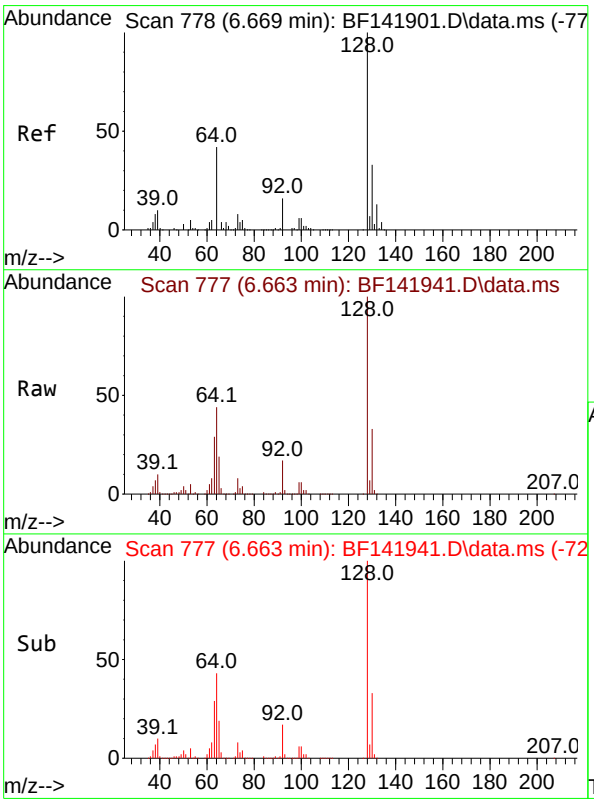
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.0 | 14.6 | 21.8 |
| 71 | 38.9 | 30.8 | 46.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

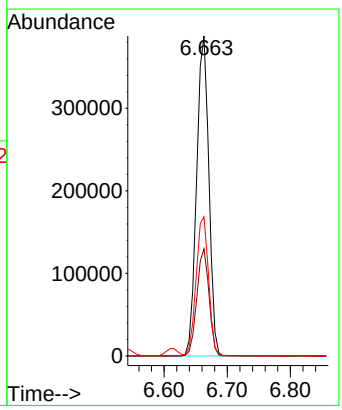
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

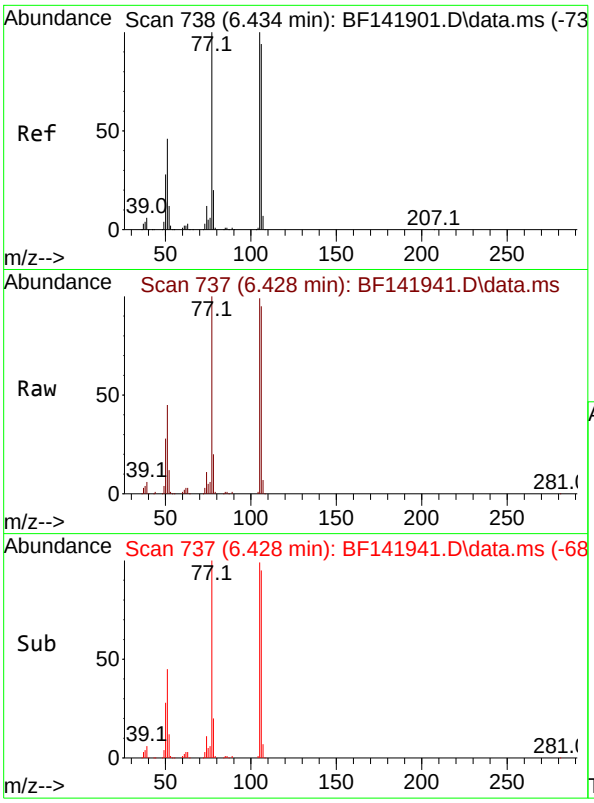



#8
2-Chlorophenol
Concen: 46.852 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:128 Resp: 522369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 33.5 | 12.8 | 52.8 |
| 64 | 43.5 | 24.4 | 64.4 |

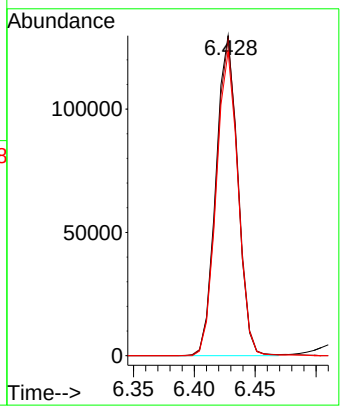





#9
Benzaldehyde
Concen: 22.563 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 77 Resp: 16151

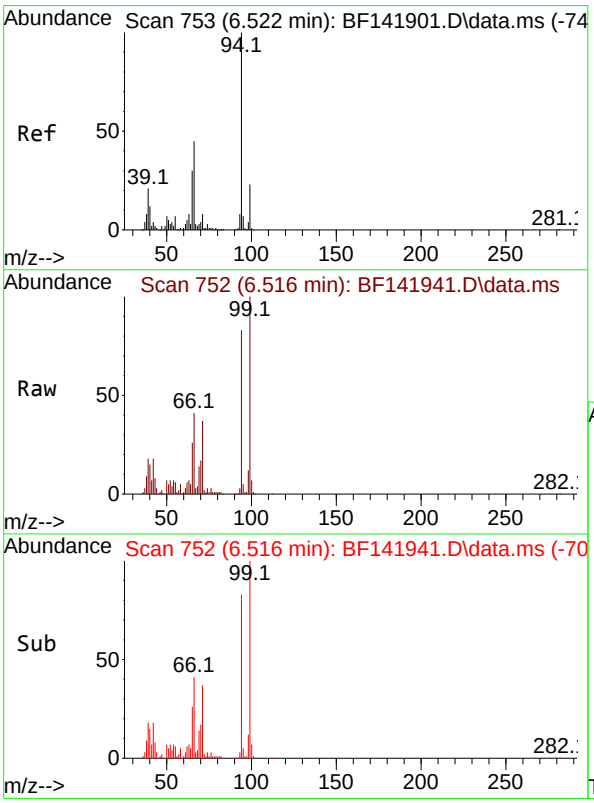
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 98.8 | 80.0 | 120.0 |
| 106 | 95.0 | 74.5 | 114.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

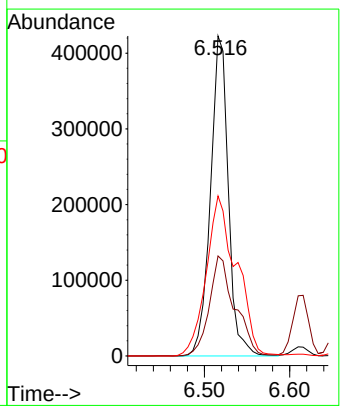
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

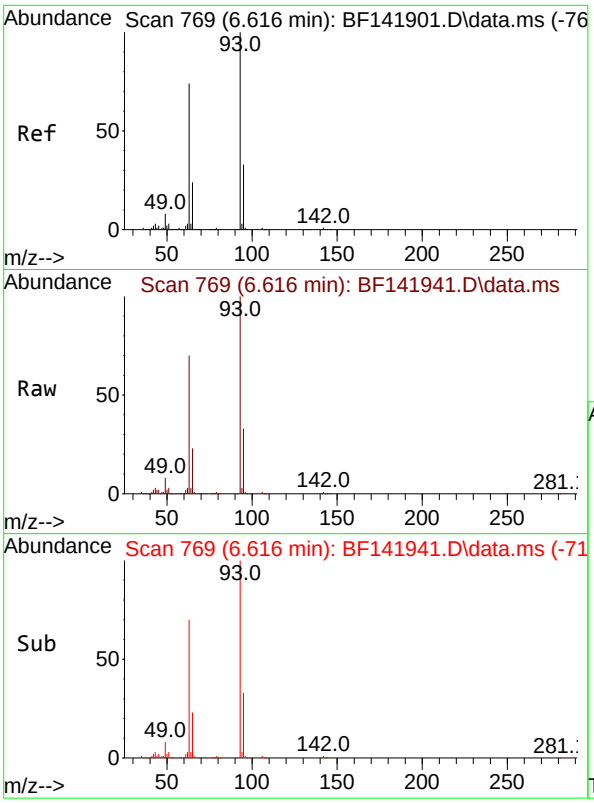



#10
Phenol
Concen: 45.757 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 94 Resp: 616143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 31.2 | 10.5 | 50.5 |
| 66 | 50.0 | 25.8 | 65.8 |






#11
bis(2-Chloroethyl)ether
Concen: 45.535 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

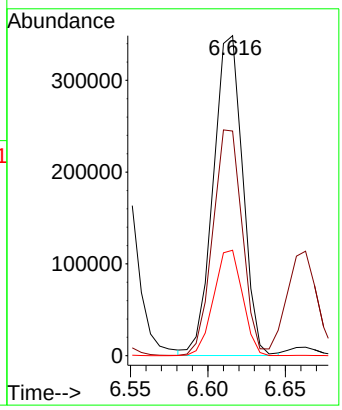
Tgt Ion: 93 Resp: 46040

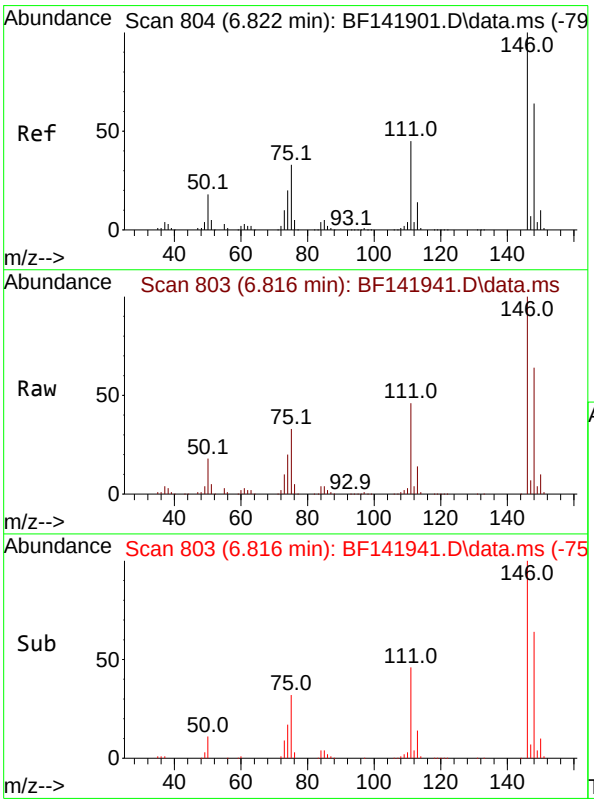
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 70.2 | 53.0 | 93.0 |
| 95 | 32.9 | 12.9 | 52.9 |

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

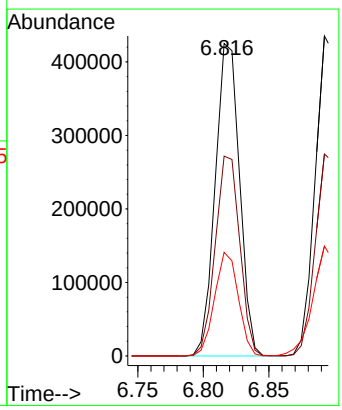


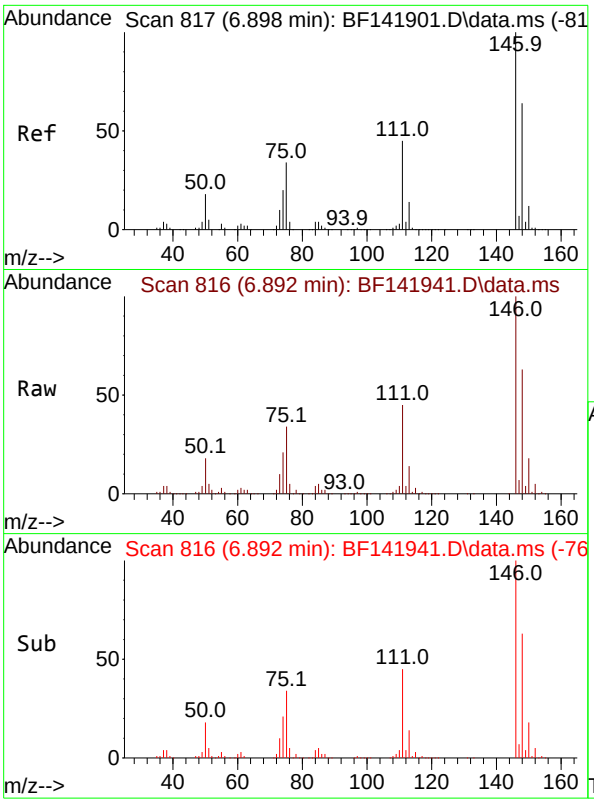




#12
1,3-Dichlorobenzene
Concen: 45.613 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:146 Resp: 549049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.0 | 51.3 | 76.9 |
| 75 | 33.2 | 26.6 | 40.0 |

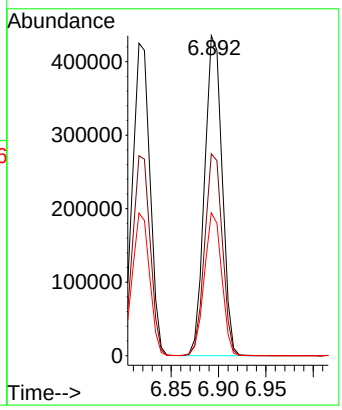





#13
1,4-Dichlorobenzene
Concen: 45.829 ng
RT: 6.892 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:146 Resp: 55815

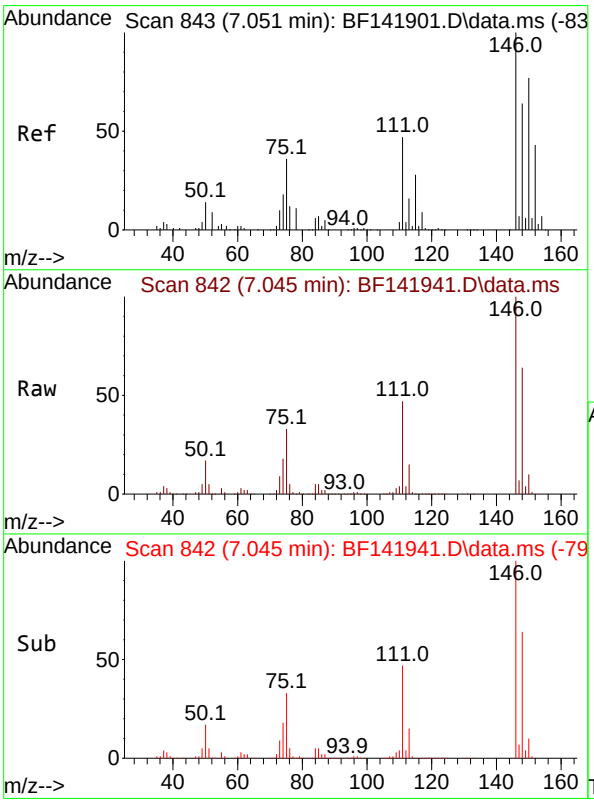
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.1 | 51.0 | 76.6 |
| 111 | 44.7 | 35.7 | 53.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

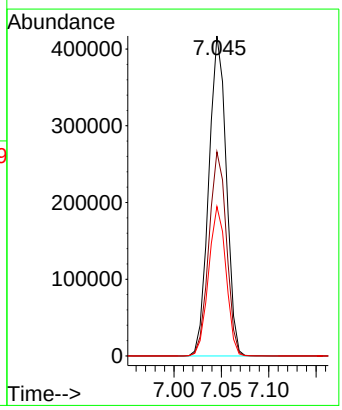
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

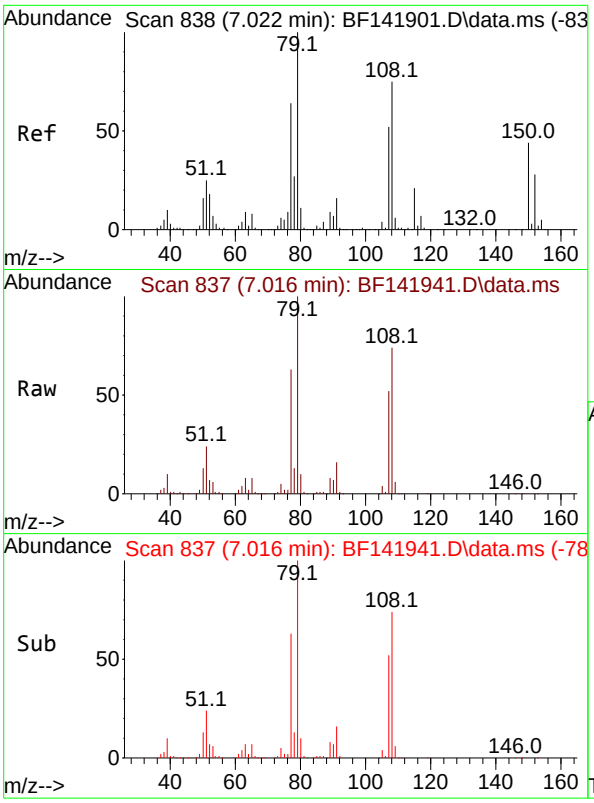



#14
1,2-Dichlorobenzene
Concen: 46.667 ng
RT: 7.045 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:146 Resp: 535333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 50.8 | 76.2 |
| 111 | 46.7 | 38.0 | 57.0 |

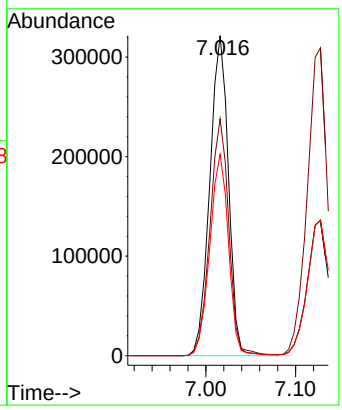





#15
Benzyl Alcohol
Concen: 44.930 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 79 Resp: 46492

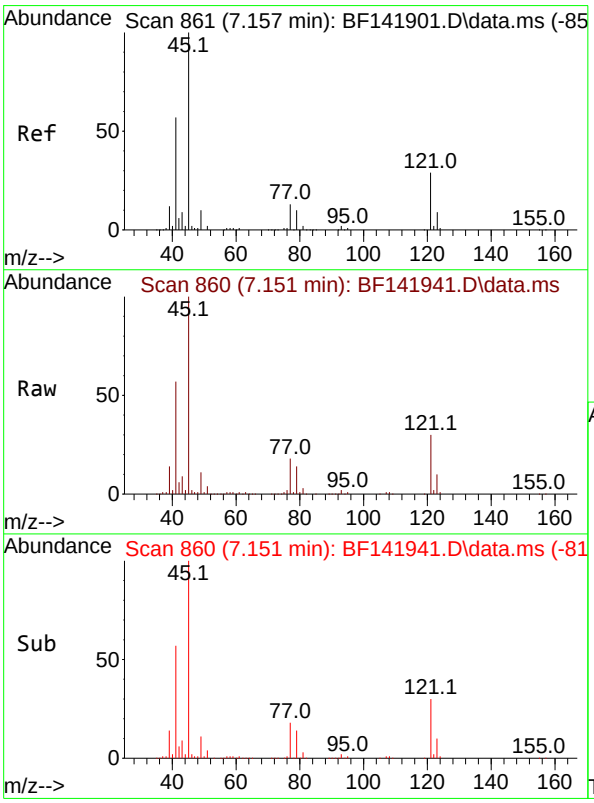
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 74.0 | 59.7 | 89.5 |
| 77 | 63.0 | 51.0 | 76.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

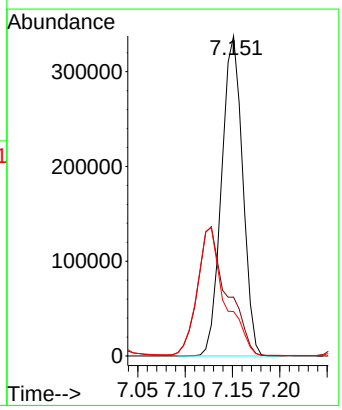
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

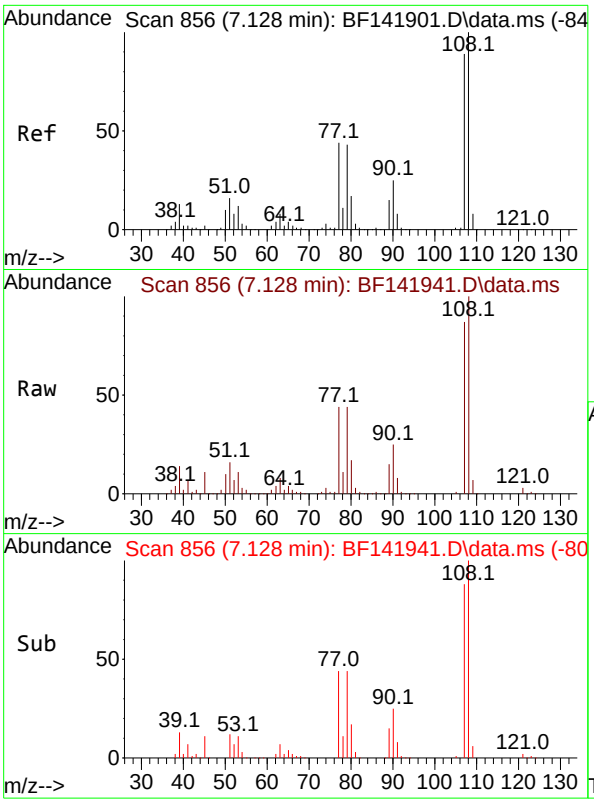



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.748 ng
RT: 7.151 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 45 Resp: 521817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 18.4 | 0.0 | 37.8 |
| 79 | 13.9 | 0.0 | 34.2 |

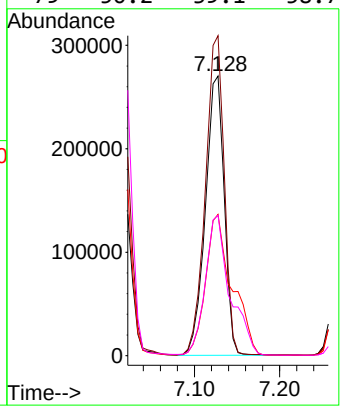





#17
2-Methylphenol
Concen: 46.686 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:107 Resp: 41387

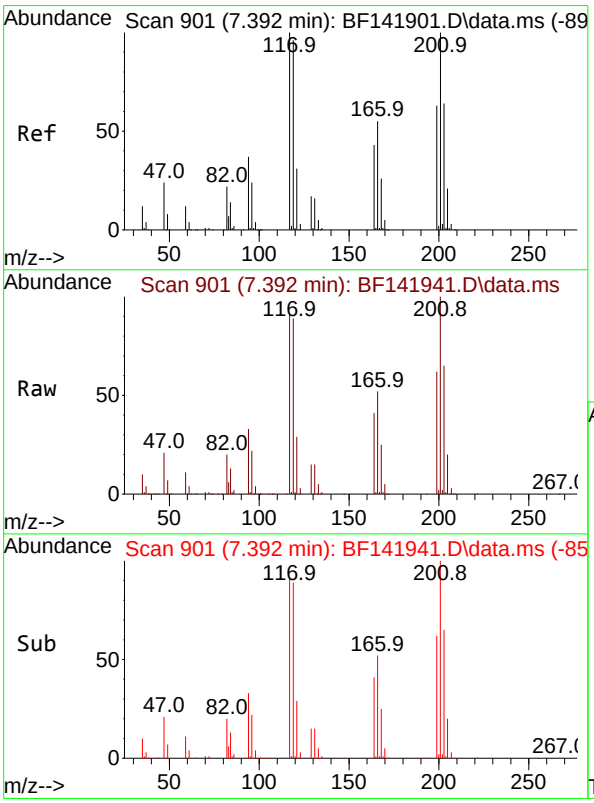
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.4 | 90.2 | 135.2 |
| 77 | 50.5 | 39.6 | 59.4 |
| 79 | 50.2 | 39.1 | 58.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

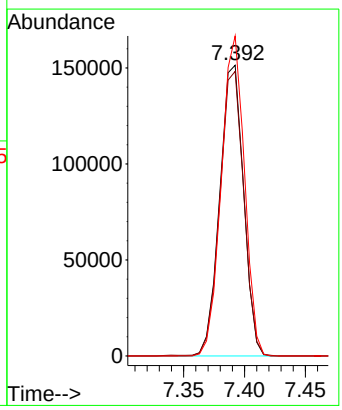
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

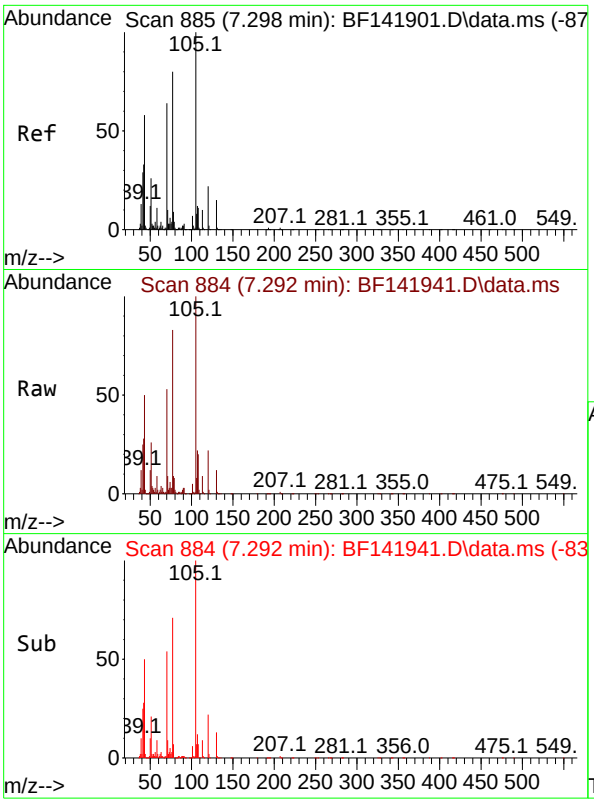



#18
Hexachloroethane
Concen: 45.179 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:117 Resp: 206331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.9 | 76.9 | 115.3 |
| 201 | 110.1 | 79.9 | 119.9 |

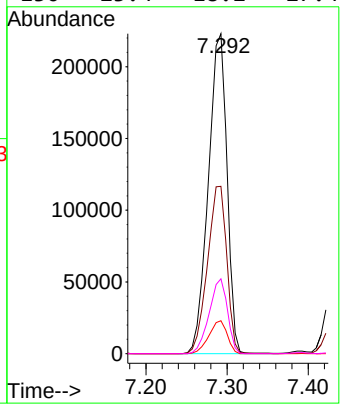





#19
n-Nitroso-di-n-propylamine
Concen: 43.331 ng
RT: 7.292 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 70 Resp: 35637

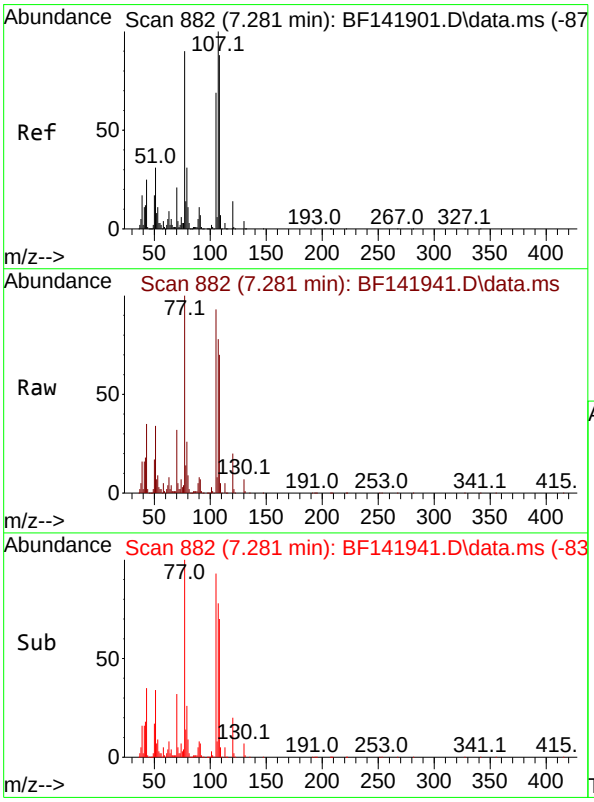
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 52.3 | 41.4 | 62.0 |
| 101 | 10.3 | 8.2 | 12.2 |
| 130 | 23.4 | 18.2 | 27.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

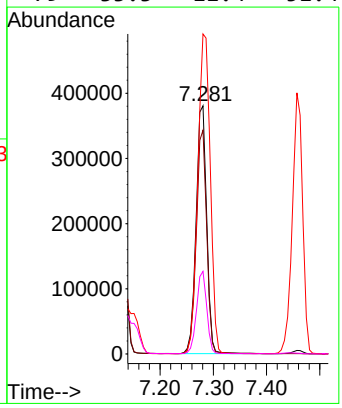
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

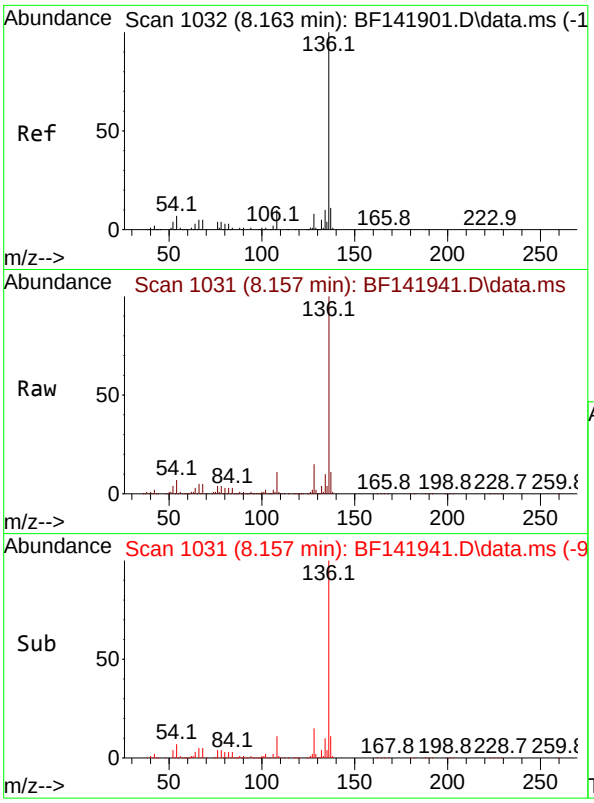



#20
3+4-Methylphenols
Concen: 46.311 ng
RT: 7.281 min Scan# 882
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:107 Resp: 525851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 90.1 | 68.4 | 108.4 |
| 77 | 129.0 | 69.7 | 109.7# |
| 79 | 33.3 | 11.4 | 51.4 |

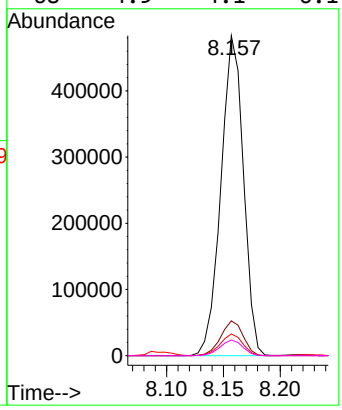





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:136 Resp: 66666(

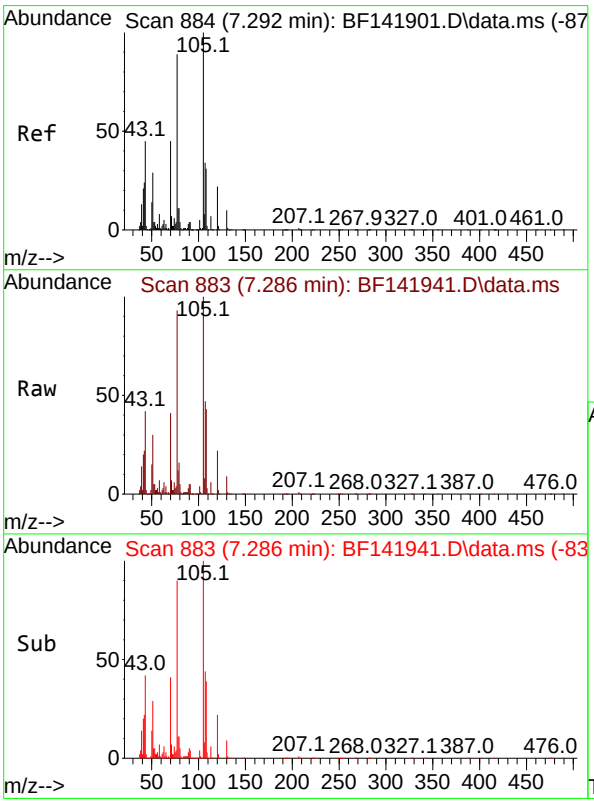
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.8 | 13.2 |
| 54 | 6.8 | 5.8 | 8.8 |
| 68 | 4.9 | 4.1 | 6.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

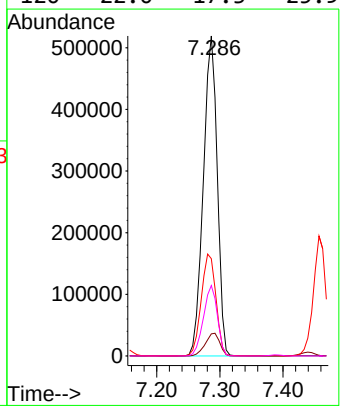
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

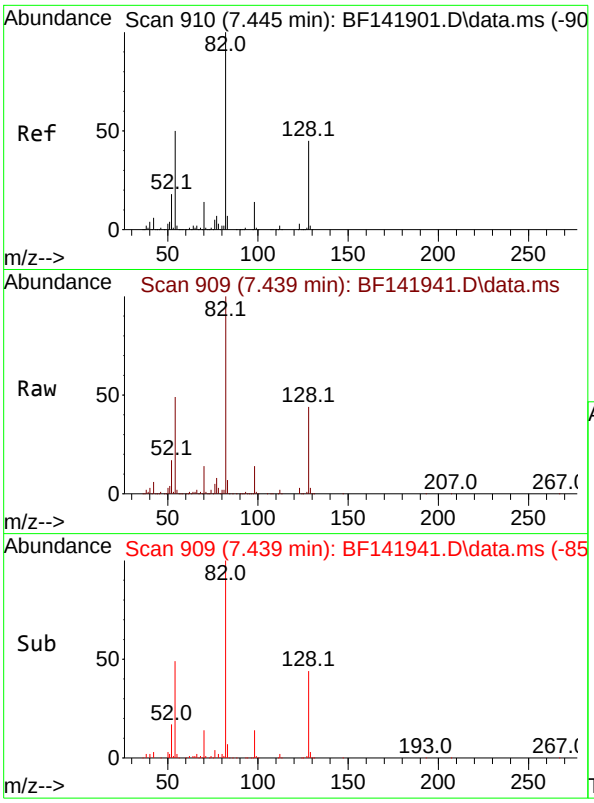



#22
Acetophenone
Concen: 49.735 ng
RT: 7.286 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:105 Resp: 794019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.9 | 5.8 | 8.8 |
| 51 | 30.4 | 23.4 | 35.0 |
| 120 | 22.0 | 17.3 | 25.9 |

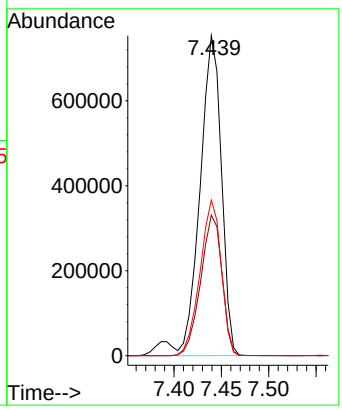





#23
Nitrobenzene-d5
Concen: 98.606 ng
RT: 7.439 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 82 Resp: 116811

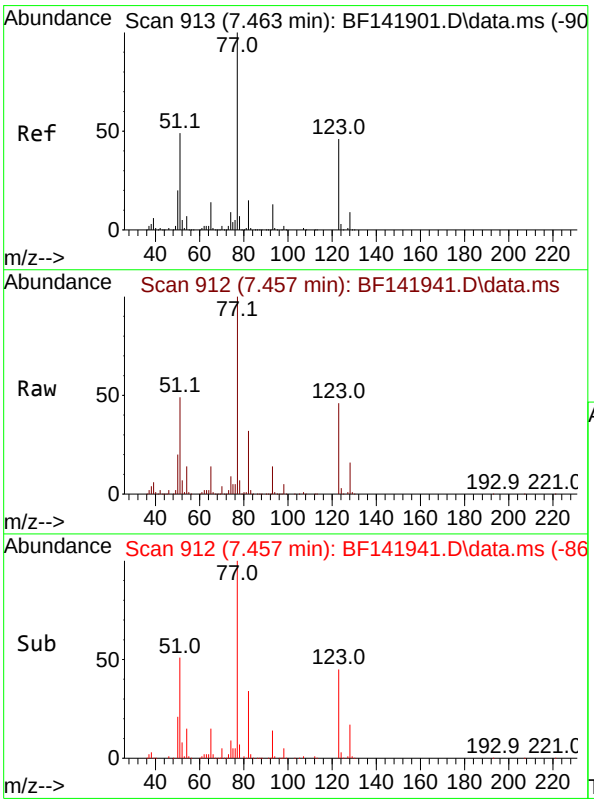
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.9 | 36.0 | 54.0 |
| 54 | 48.6 | 39.6 | 59.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

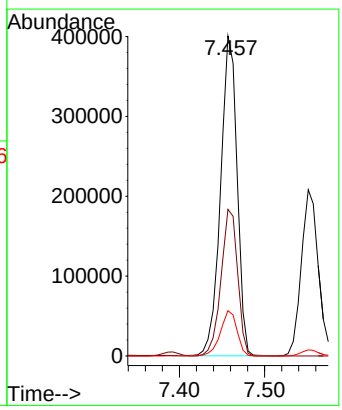
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

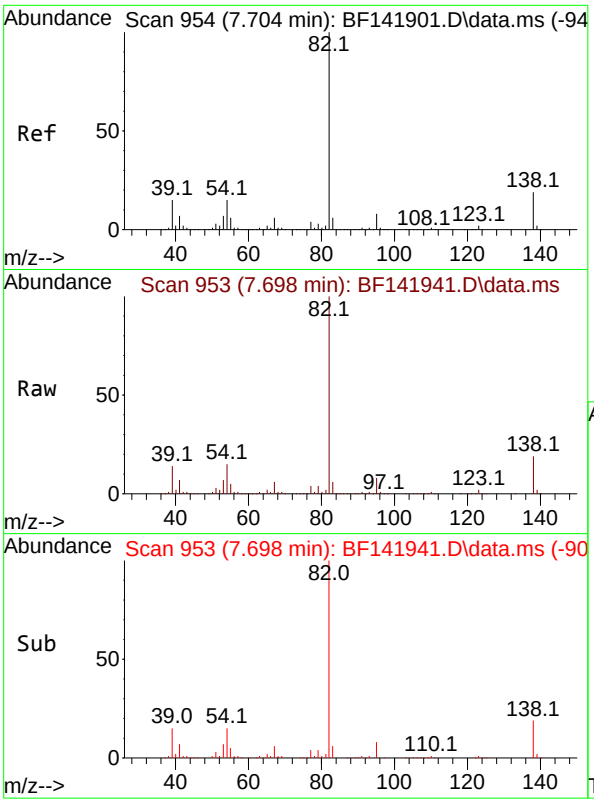



#24
Nitrobenzene
Concen: 45.933 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 77 Resp: 540933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 45.8 | 37.0 | 55.4 |
| 65 | 14.1 | 11.3 | 16.9 |

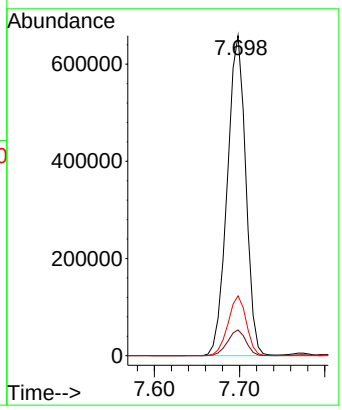





#25
Isophorone
Concen: 47.387 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 82 Resp: 99228

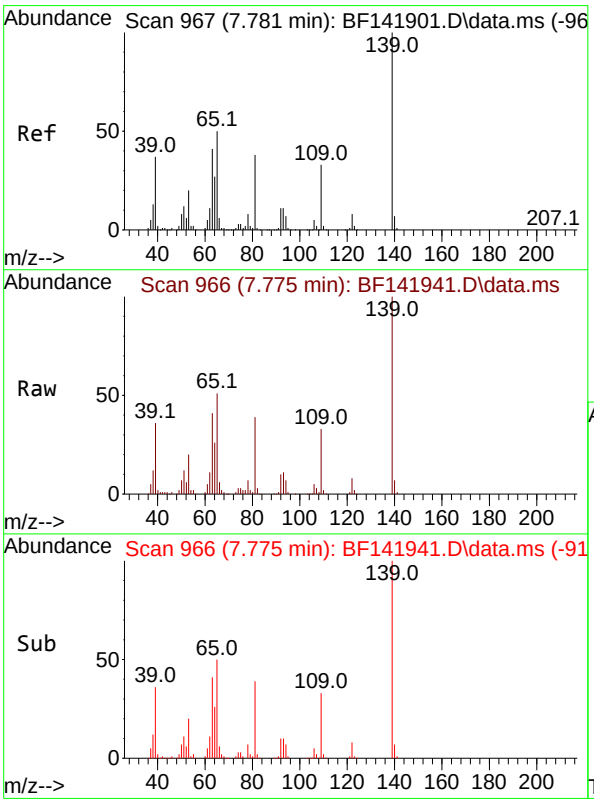
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.1 | 6.4 | 9.6 |
| 138 | 18.7 | 14.9 | 22.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

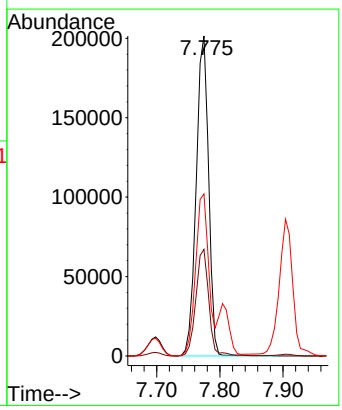
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

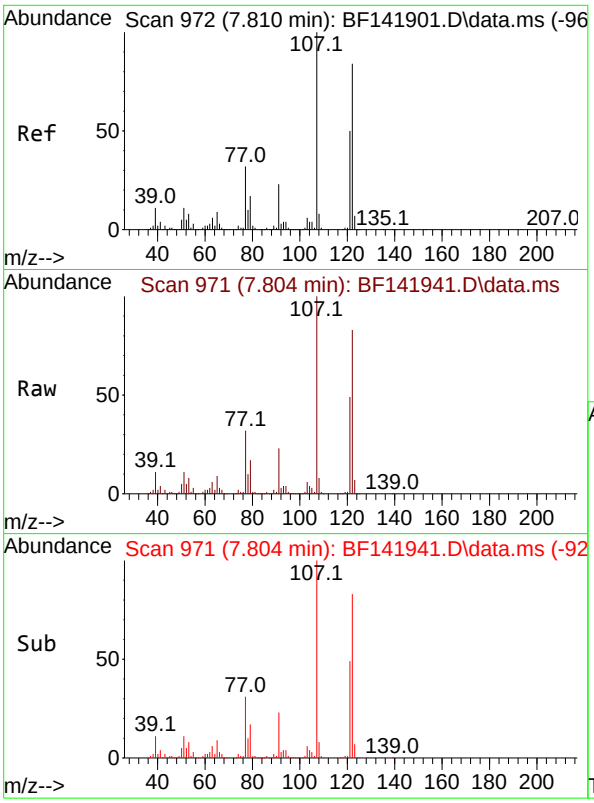



#26
2-Nitrophenol
Concen: 47.460 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:139 Resp: 274315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 33.3 | 26.5 | 39.7 |
| 65 | 50.7 | 40.3 | 60.5 |

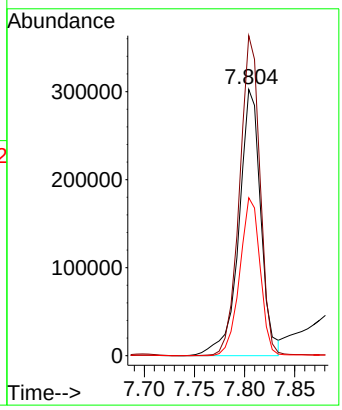





#27
2,4-Dimethylphenol
Concen: 57.557 ng
RT: 7.804 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:122 Resp: 45808

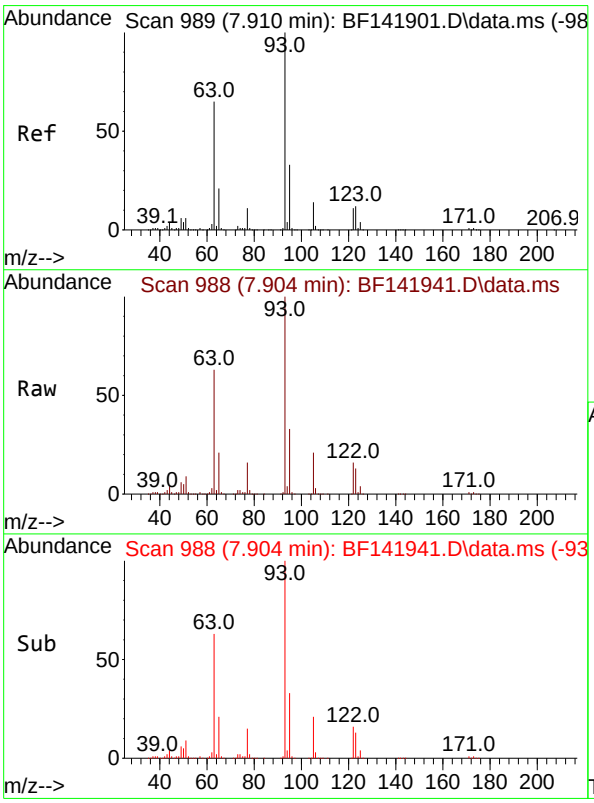
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 120.2 | 94.8 | 142.2 |
| 121 | 59.3 | 47.8 | 71.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

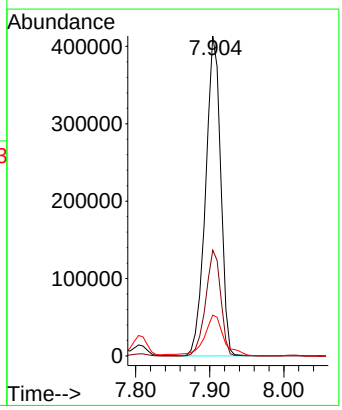
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

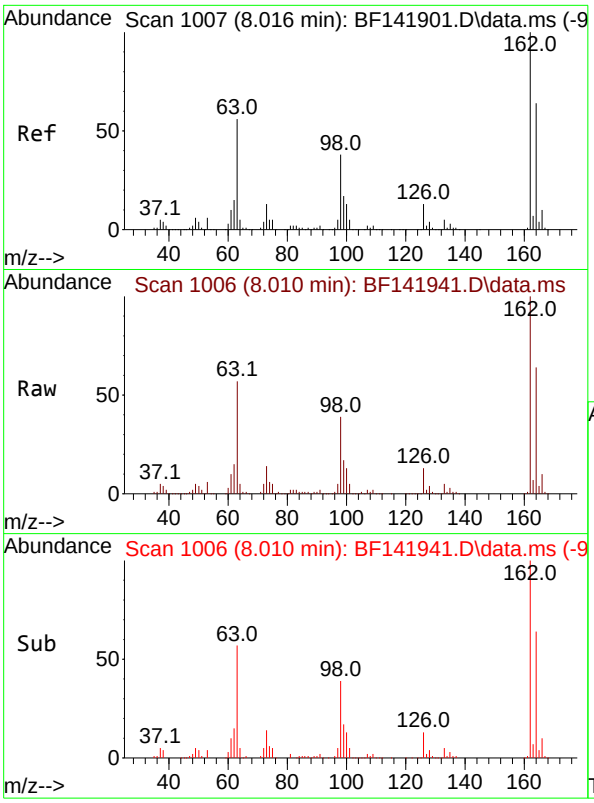



#28
bis(2-Chloroethoxy)methane
Concen: 44.484 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 93 Resp: 584252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 33.0 | 26.6 | 40.0 |
| 123 | 12.7 | 10.2 | 15.4 |

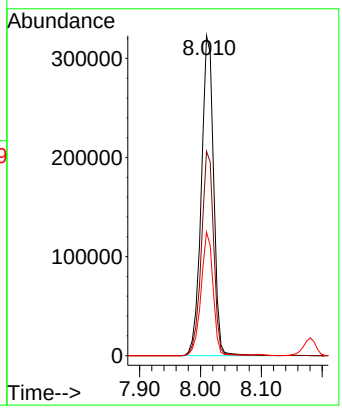





#29
2,4-Dichlorophenol
Concen: 46.058 ng
RT: 8.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:162 Resp: 45499

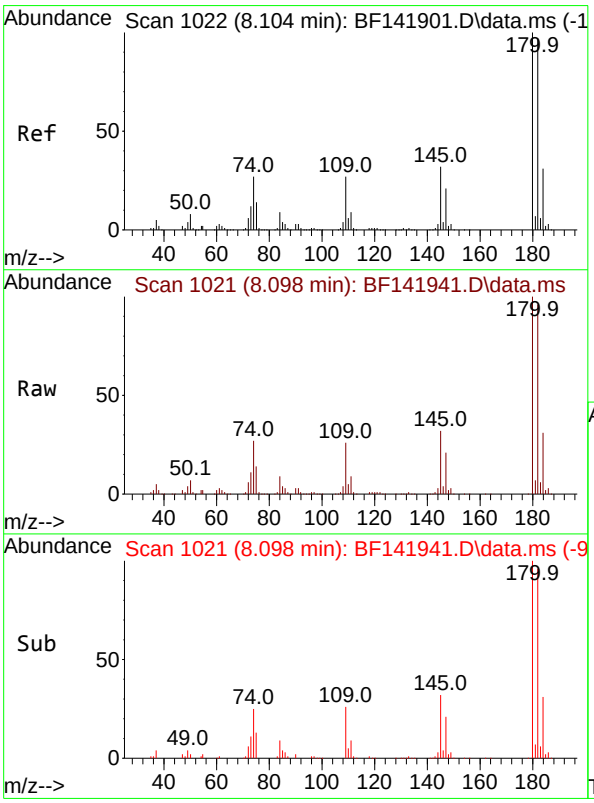
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 63.9 | 43.8 | 83.8 |
| 98 | 38.6 | 18.1 | 58.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

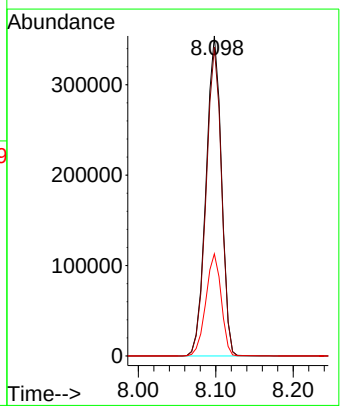
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

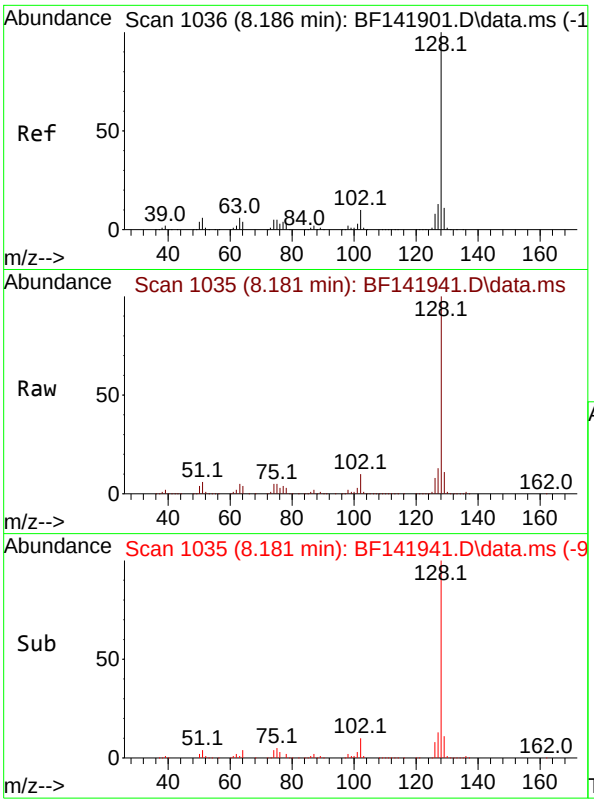



#30
1,2,4-Trichlorobenzene
Concen: 44.952 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:180 Resp: 489377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.5 | 77.5 | 116.3 |
| 145 | 31.9 | 25.8 | 38.6 |

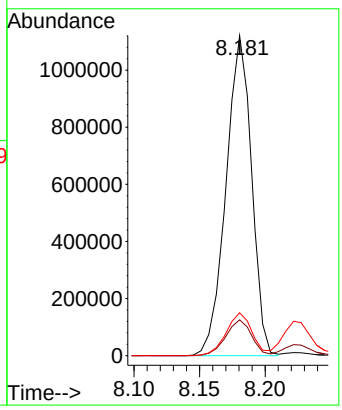





#31
Naphthalene
Concen: 44.415 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:128 Resp: 152100

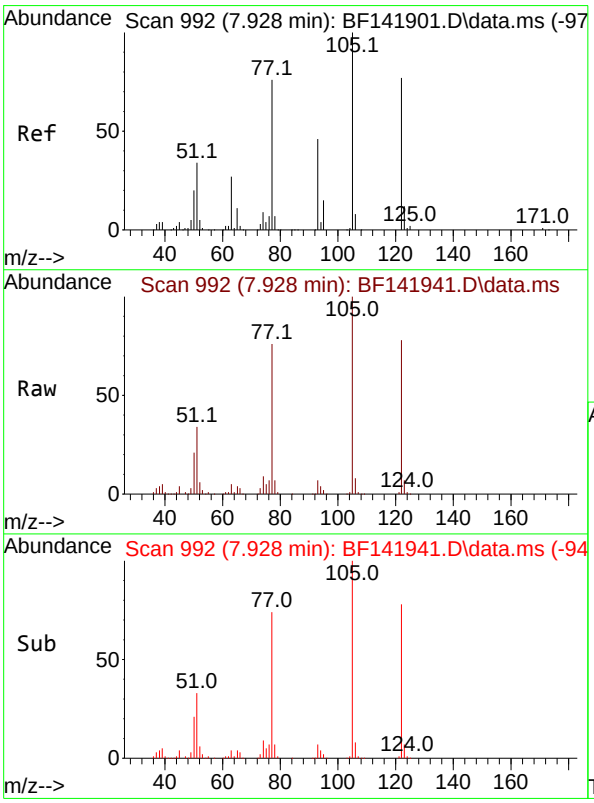
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 9.0 | 13.6 |
| 127 | 13.4 | 10.8 | 16.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

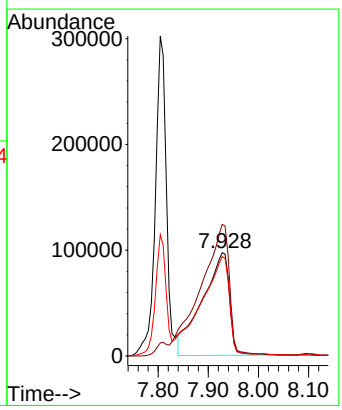
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

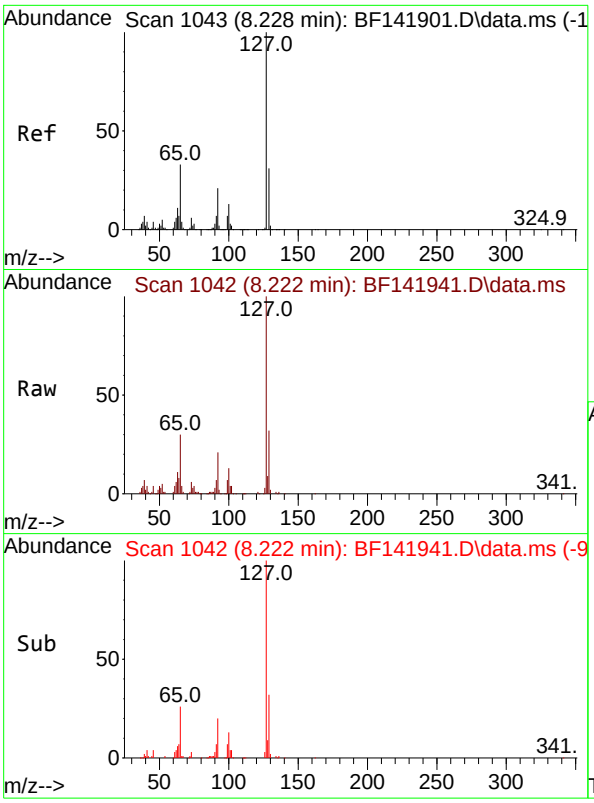



#32
Benzoic acid
Concen: 52.727 ng
RT: 7.928 min Scan# 992
Delta R.T. -0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:122 Resp: 368882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 127.5 | 107.9 | 147.9 |
| 77 | 96.3 | 79.0 | 119.0 |






#33
4-Chloroaniline
Concen: 15.710 ng
RT: 8.222 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

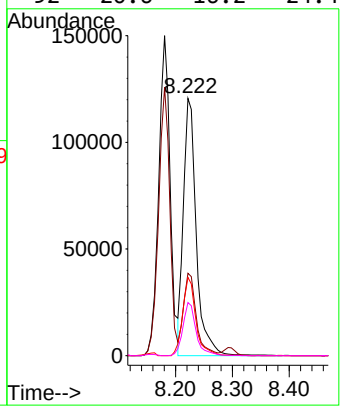
**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

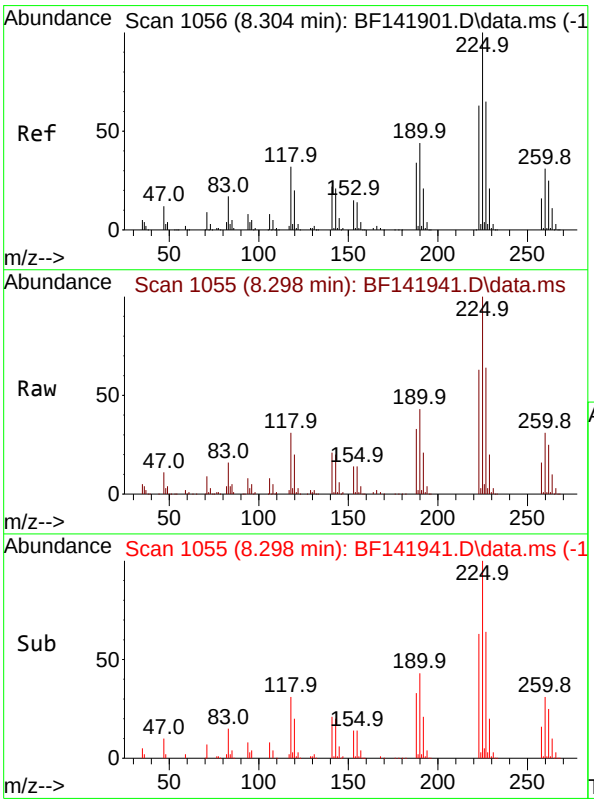
Tgt Ion:127 Resp: 18992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.0 | 26.2 | 39.4 |
| 65 | 30.4 | 25.4 | 38.2 |
| 92 | 20.6 | 16.2 | 24.4 |

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

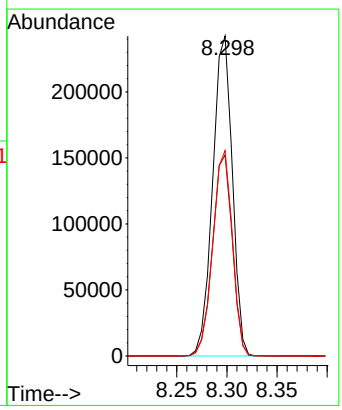


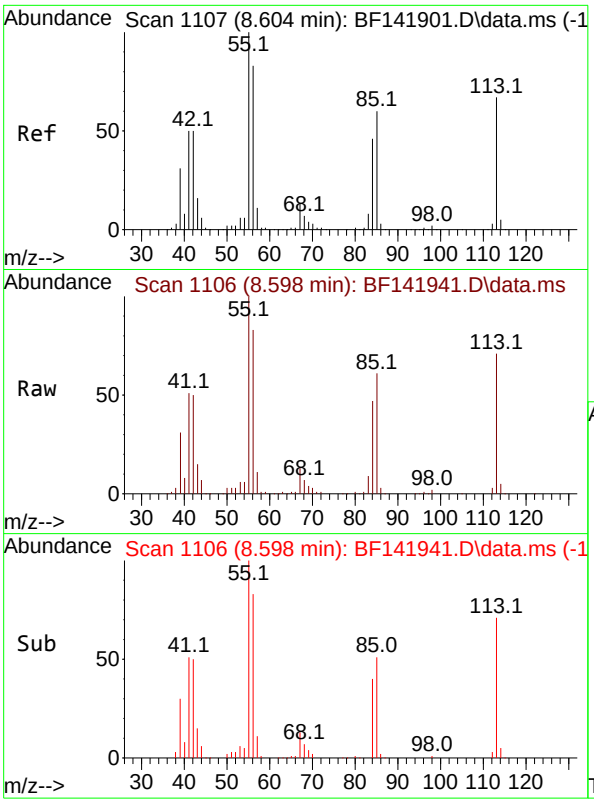




#34
Hexachlorobutadiene
Concen: 46.496 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:225 Resp: 330110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.8 | 50.6 | 75.8 |
| 227 | 64.2 | 52.2 | 78.2 |

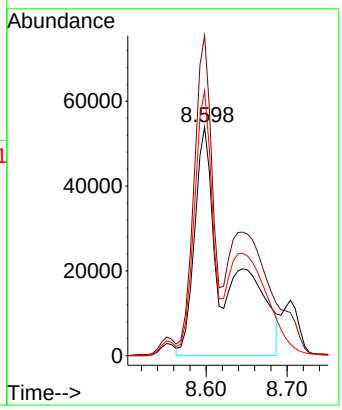





#35
Caprolactam
Concen: 49.717 ng m
RT: 8.598 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:113 Resp: 14973

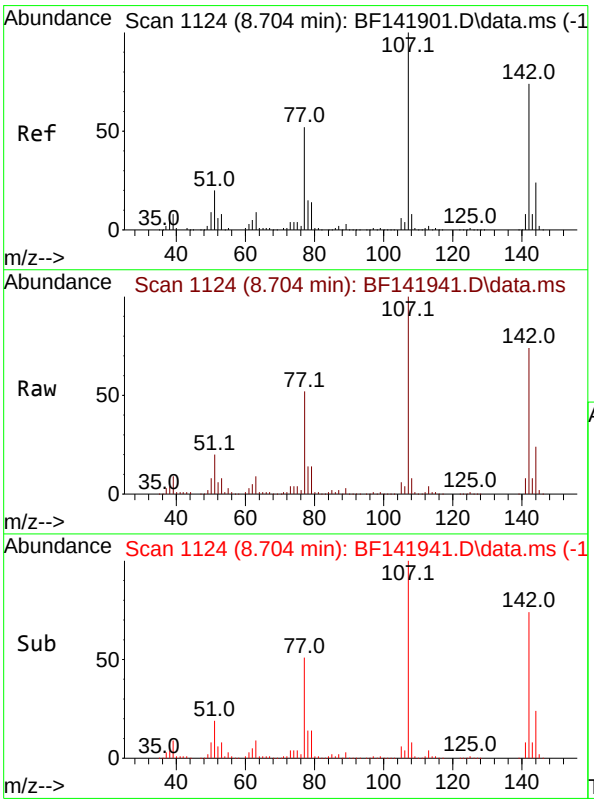
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 139.9 | 129.6 | 169.6 |
| 56 | 115.9 | 104.0 | 144.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

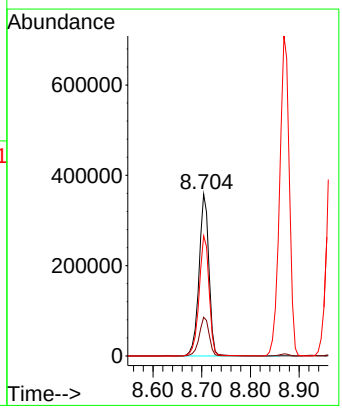
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

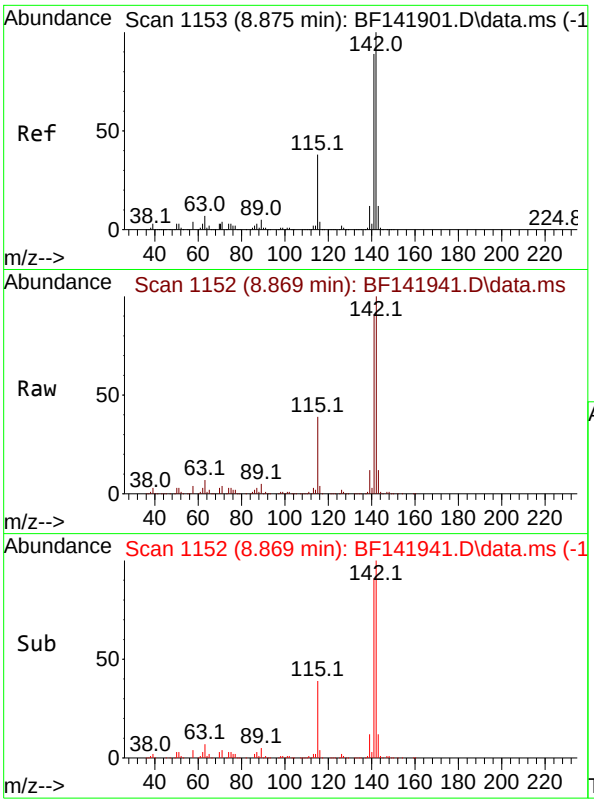



#36
4-Chloro-3-methylphenol
Concen: 45.924 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:107 Resp: 506070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.0 | 19.0 | 28.6 |
| 142 | 74.3 | 59.2 | 88.8 |

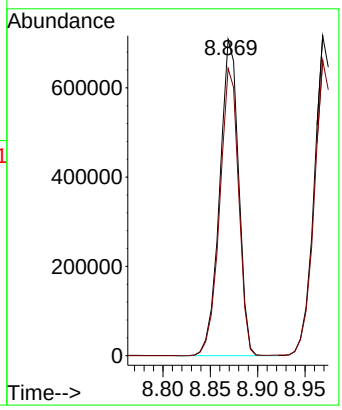





#37
2-Methylnaphthalene
Concen: 42.989 ng
RT: 8.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:142 Resp: 98401

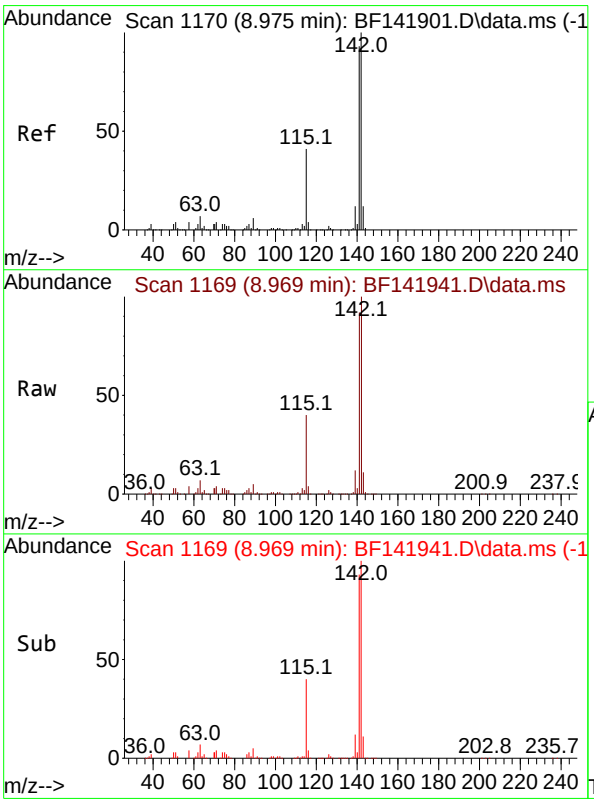
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.8 | 71.2 | 106.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

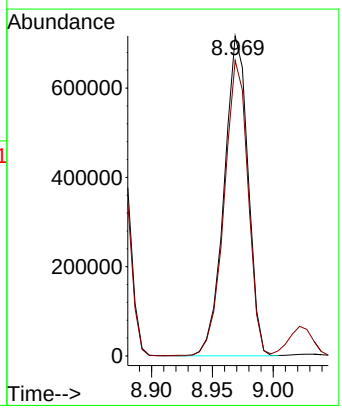
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

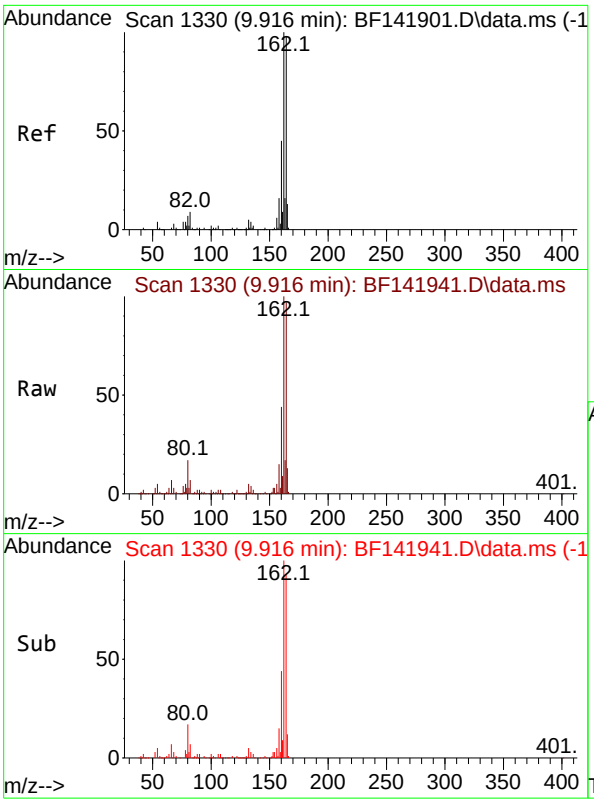



#38
1-Methylnaphthalene
Concen: 44.147 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:142 Resp: 975143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.4 | 74.2 | 111.4 |






#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

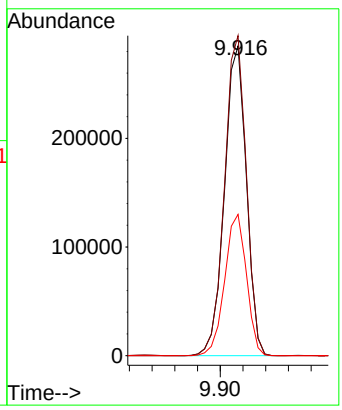
Tgt Ion:164 Resp: 38113

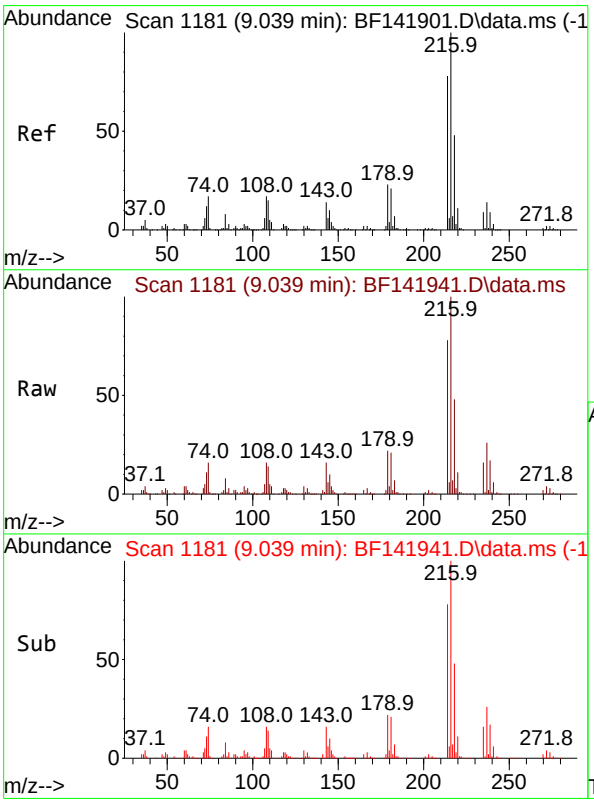
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.3 | 81.8 | 122.6 |
| 160 | 45.6 | 36.7 | 55.1 |

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

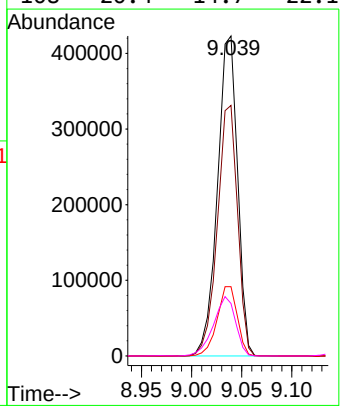


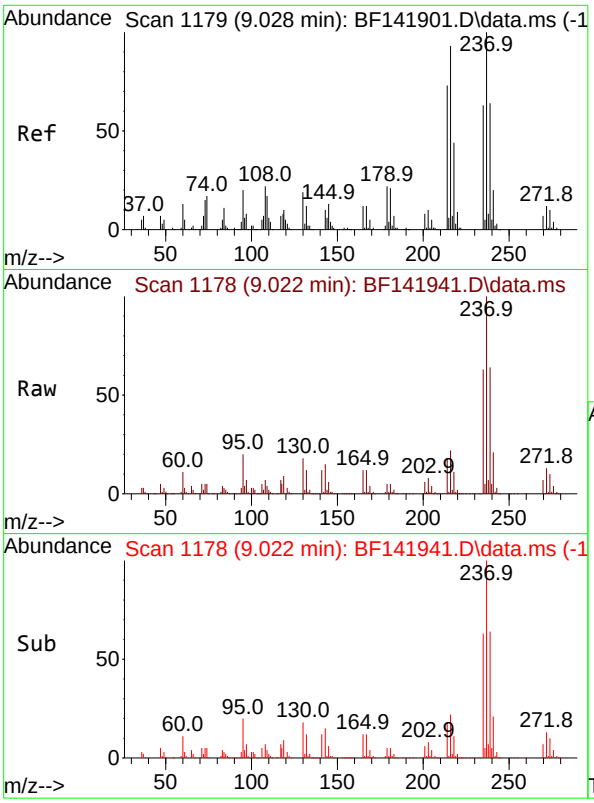




#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.807 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:216 Resp: 589567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 78.4 | 61.9 | 92.9 |
| 179 | 21.8 | 18.1 | 27.1 |
| 108 | 20.4 | 14.7 | 22.1 |






#41
Hexachlorocyclopentadiene
Concen: 173.440 ng
RT: 9.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

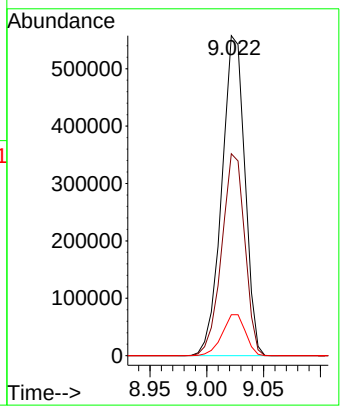
**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

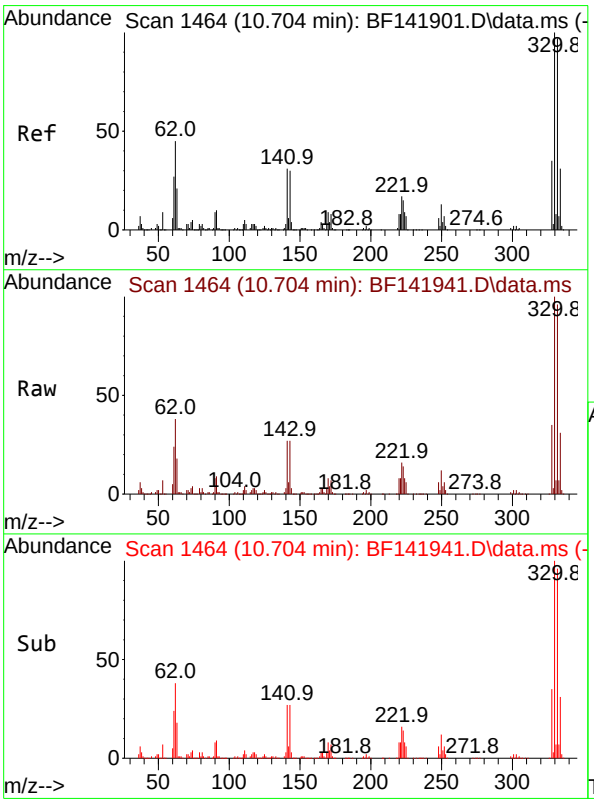
Tgt Ion:237 Resp: 78764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.1 | 43.1 | 83.1 |
| 272 | 12.8 | 0.0 | 32.0 |

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

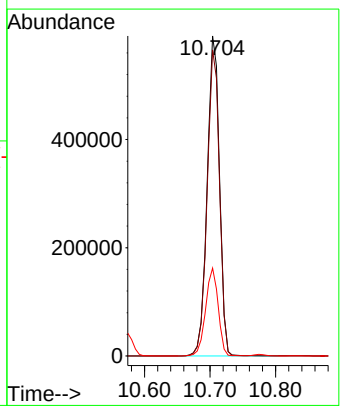


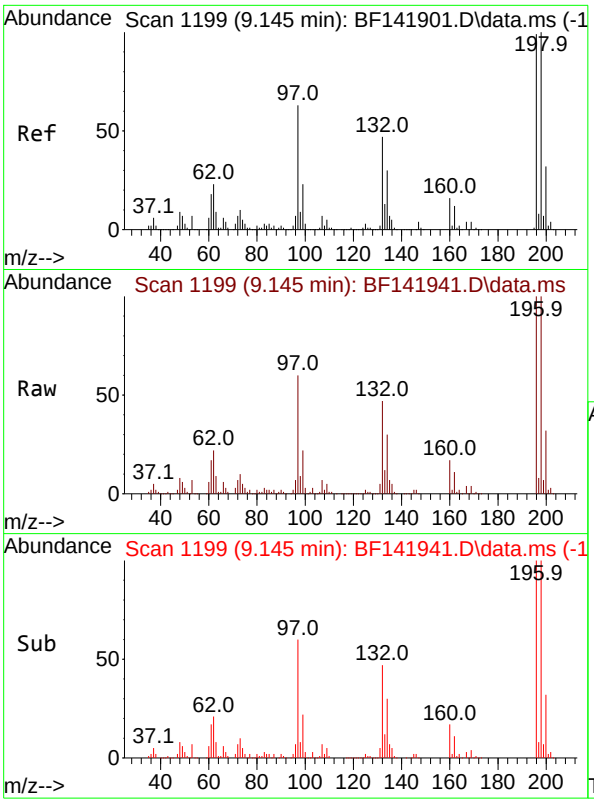




#42
2,4,6-Tribromophenol
Concen: 160.048 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:330 Resp: 773860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.8 | 77.6 | 116.4 |
| 141 | 28.0 | 24.7 | 37.1 |

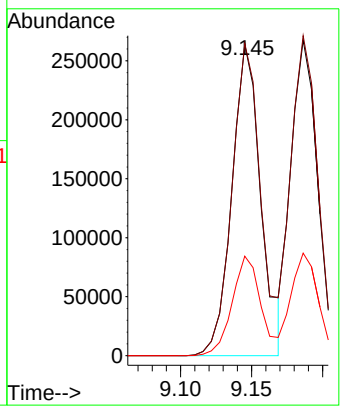





#43
2,4,6-Trichlorophenol
Concen: 49.244 ng
RT: 9.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:196 Resp: 37344

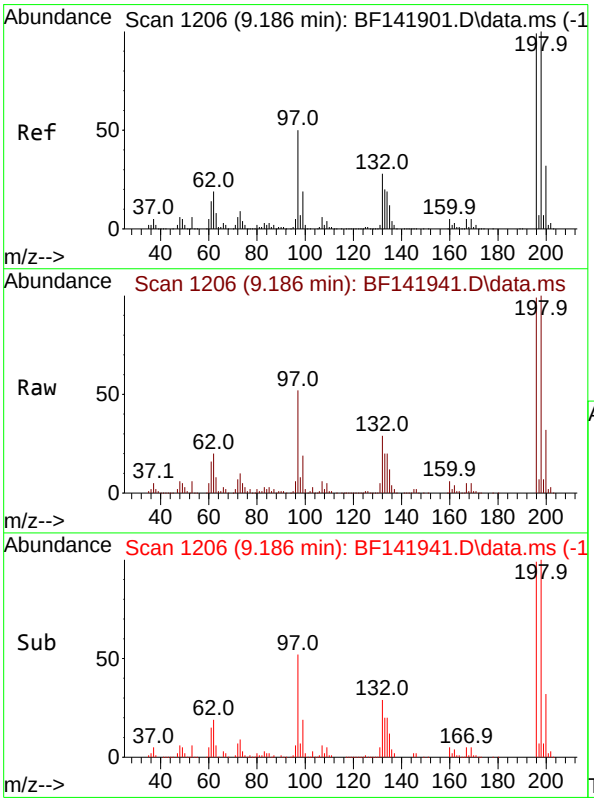
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.4 | 80.6 | 121.0 |
| 200 | 32.0 | 25.8 | 38.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

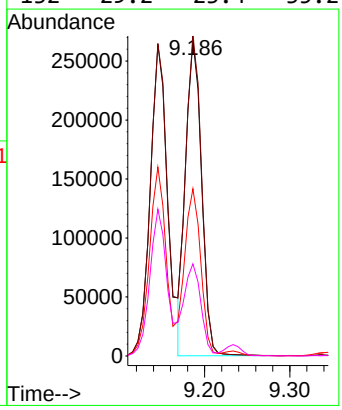
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

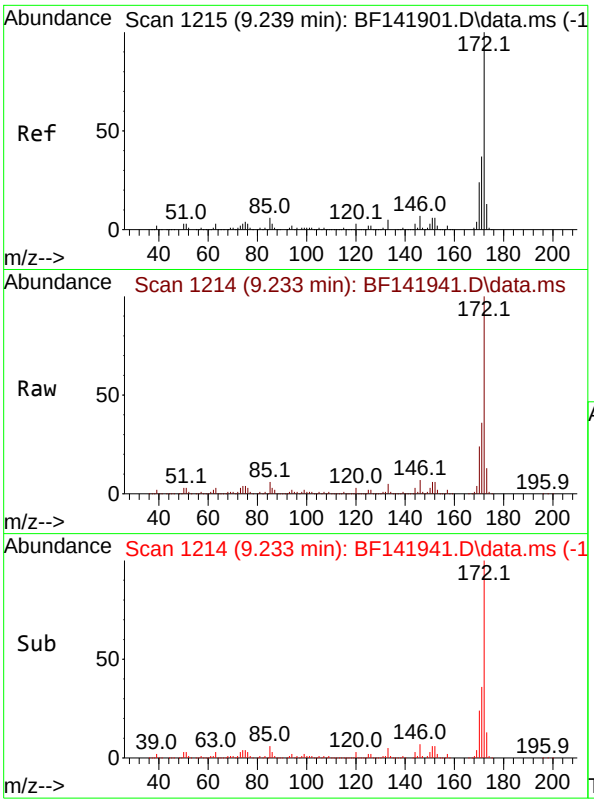



#44
2,4,5-Trichlorophenol
Concen: 45.418 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:196 Resp: 348841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 101.4 | 80.7 | 121.1 |
| 97 | 53.0 | 42.1 | 63.1 |
| 132 | 29.2 | 23.4 | 35.2 |

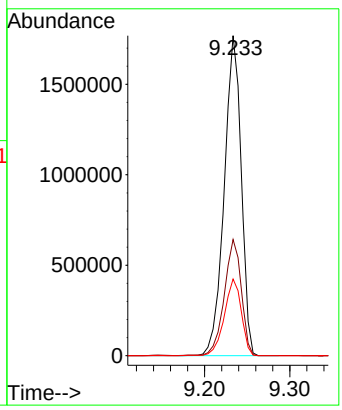





#45
2-Fluorobiphenyl
Concen: 97.806 ng
RT: 9.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:172 Resp: 245114

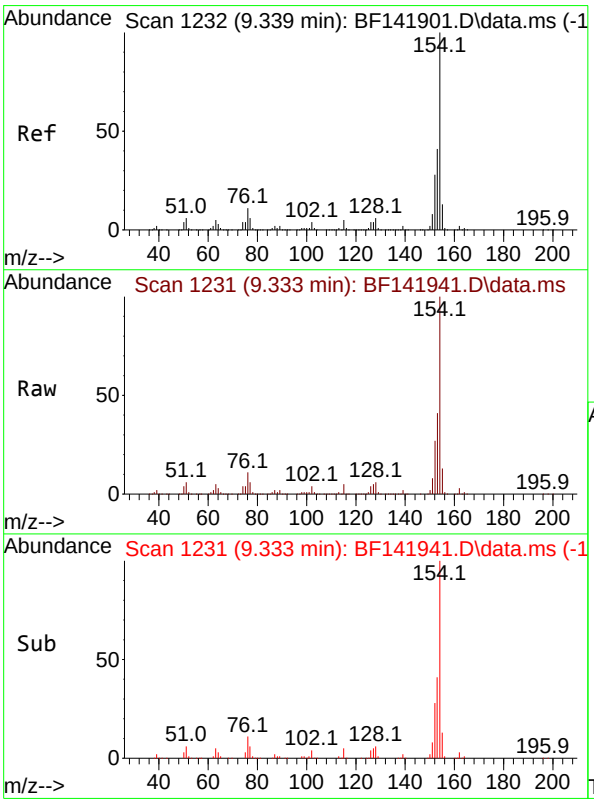
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.3 | 29.3 | 43.9 |
| 170 | 24.0 | 19.4 | 29.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

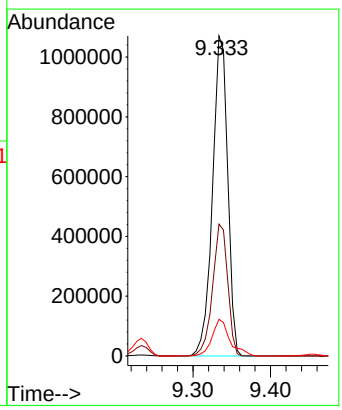
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

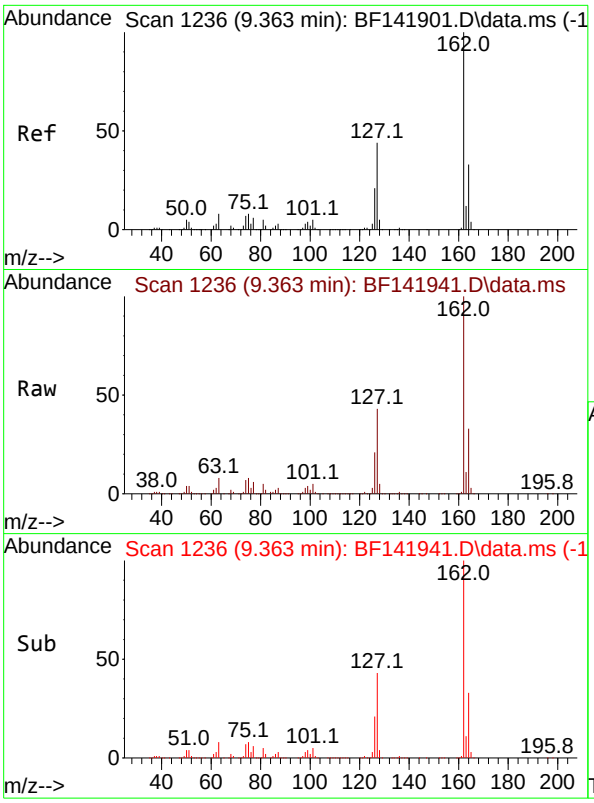



#46
1,1'-Biphenyl
Concen: 50.256 ng
RT: 9.333 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:154 Resp: 1455375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.2 | 21.1 | 61.1 |
| 76 | 11.5 | 0.0 | 31.3 |

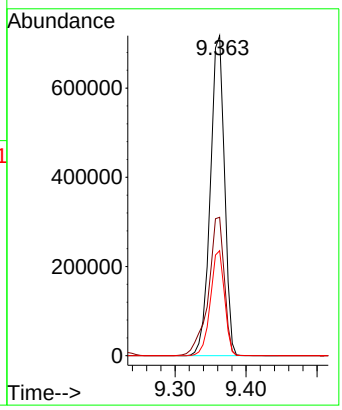





#47
2-Chloronaphthalene
Concen: 46.033 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:162 Resp: 99360

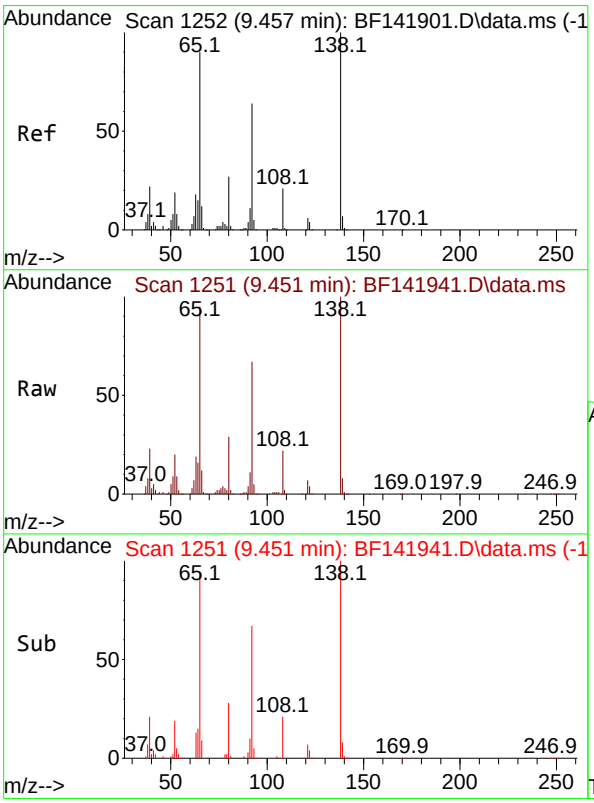
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.2 | 35.5 | 53.3 |
| 164 | 32.8 | 26.6 | 40.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

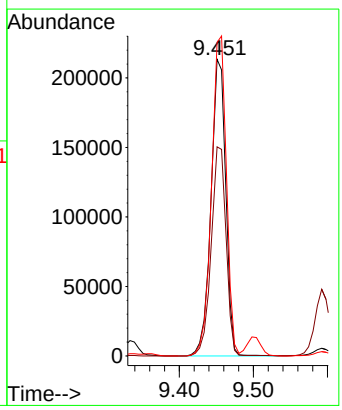
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

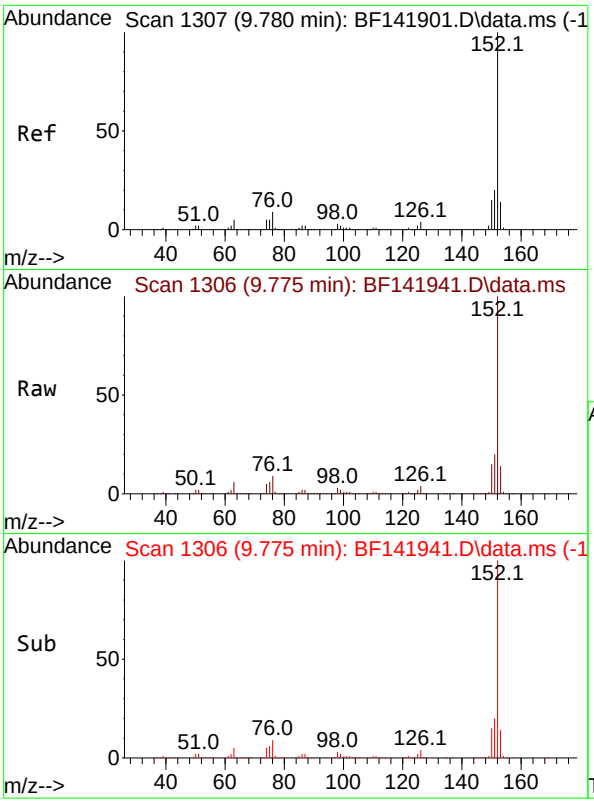



#48
2-Nitroaniline
Concen: 47.288 ng
RT: 9.451 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 65 Resp: 295534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 70.5 | 56.6 | 84.8 |
| 138 | 105.7 | 88.6 | 133.0 |

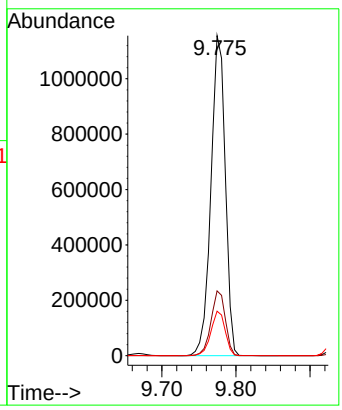





#49
Acenaphthylene
Concen: 48.500 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:152 Resp: 155348

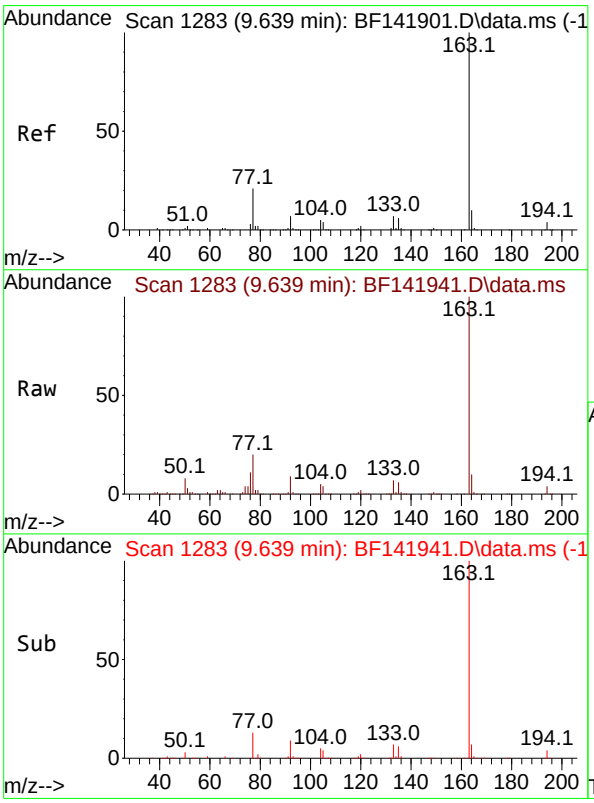
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.3 | 24.5 |
| 153 | 13.9 | 11.1 | 16.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

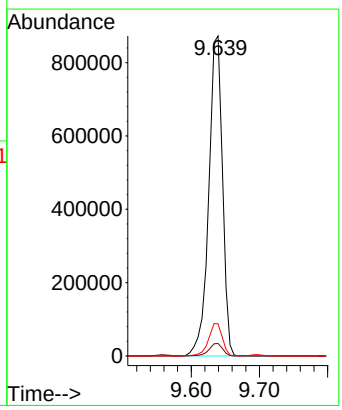
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

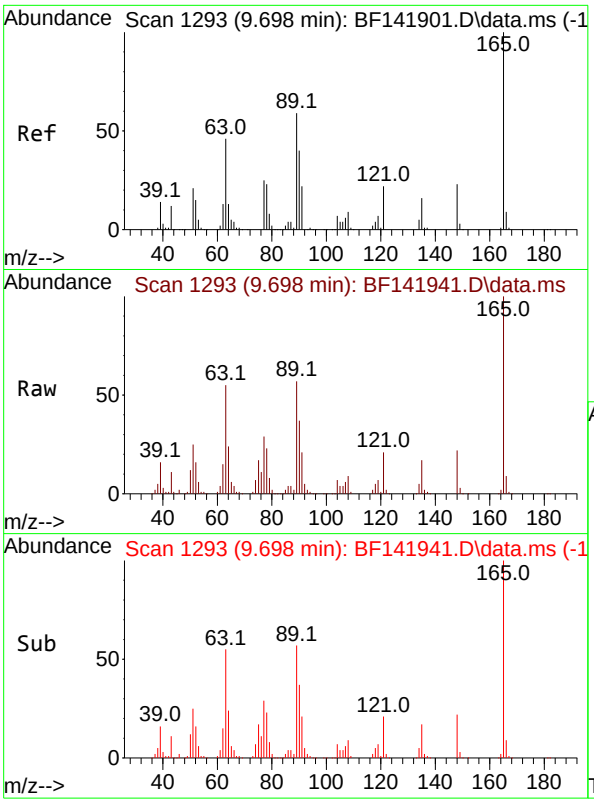



#50
Dimethylphthalate
Concen: 45.891 ng
RT: 9.639 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:163 Resp: 1224816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.1 | 4.7 |
| 164 | 10.1 | 8.2 | 12.4 |






#51
2,6-Dinitrotoluene
Concen: 46.717 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

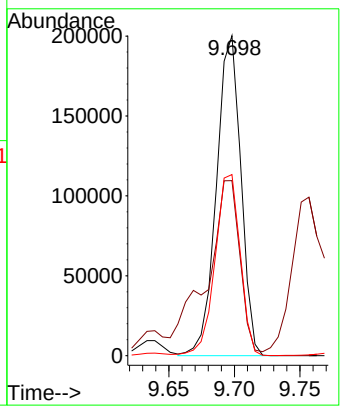
Tgt Ion:165 Resp: 25961

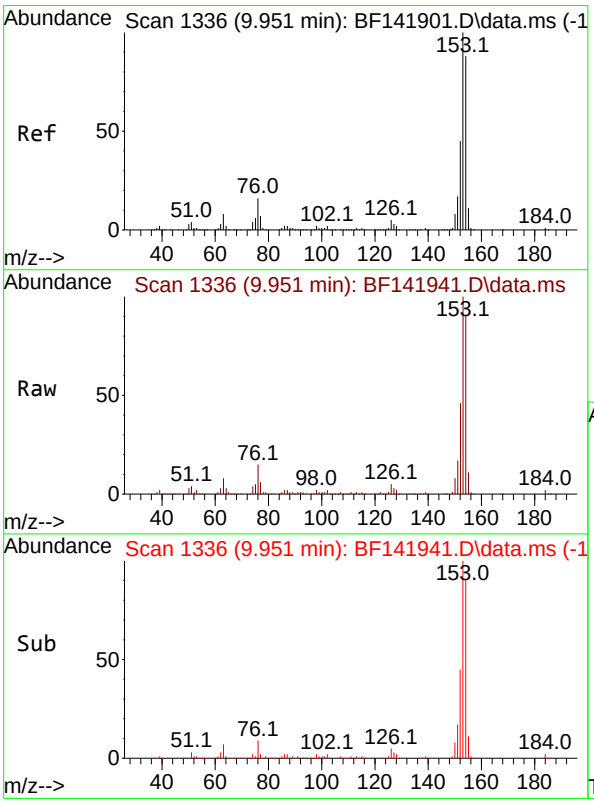
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 54.7 | 47.0 | 70.4 |
| 89 | 56.6 | 47.4 | 71.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

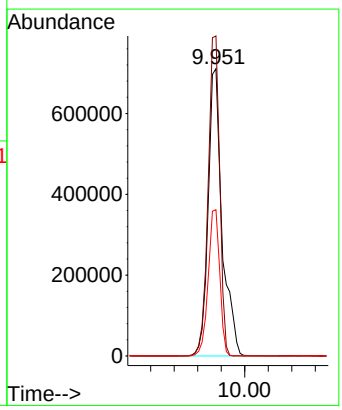


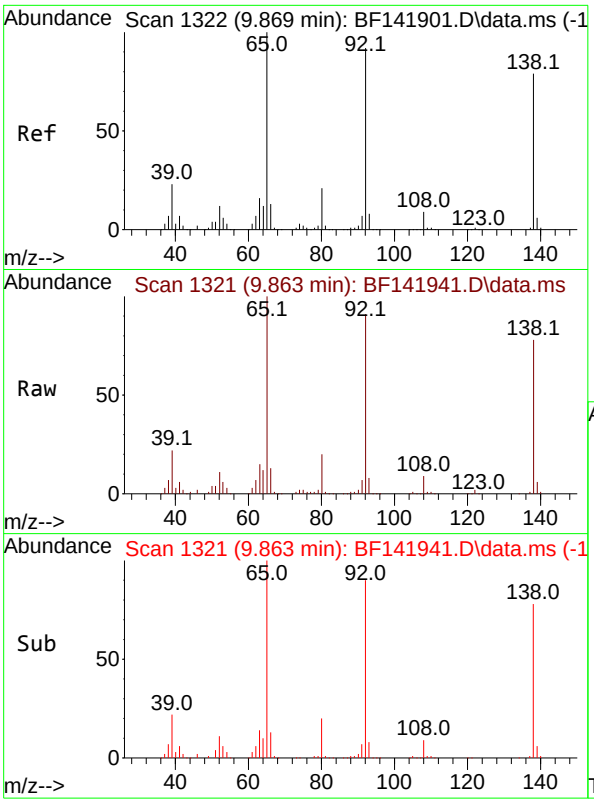




#52
Acenaphthene
Concen: 51.989 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:154 Resp: 1170255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.4 | 90.7 | 136.1 |
| 152 | 50.9 | 41.1 | 61.7 |






#53
3-Nitroaniline
Concen: 25.536 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

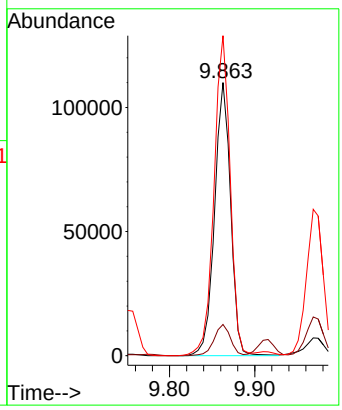
Tgt Ion:138 Resp: 14394

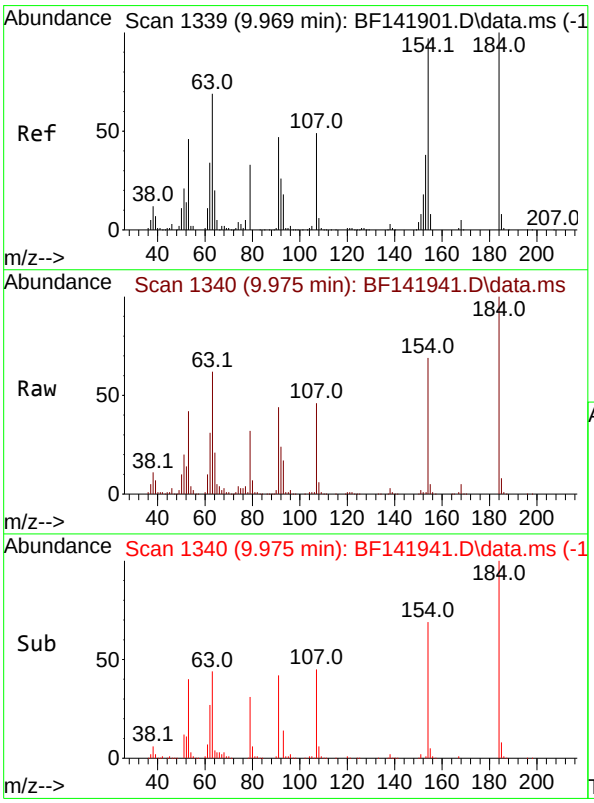
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.4 | 9.3 | 13.9 |
| 92 | 117.2 | 93.5 | 140.3 |

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

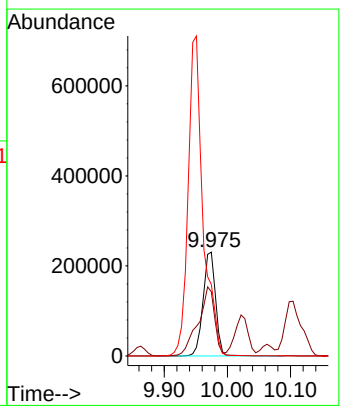


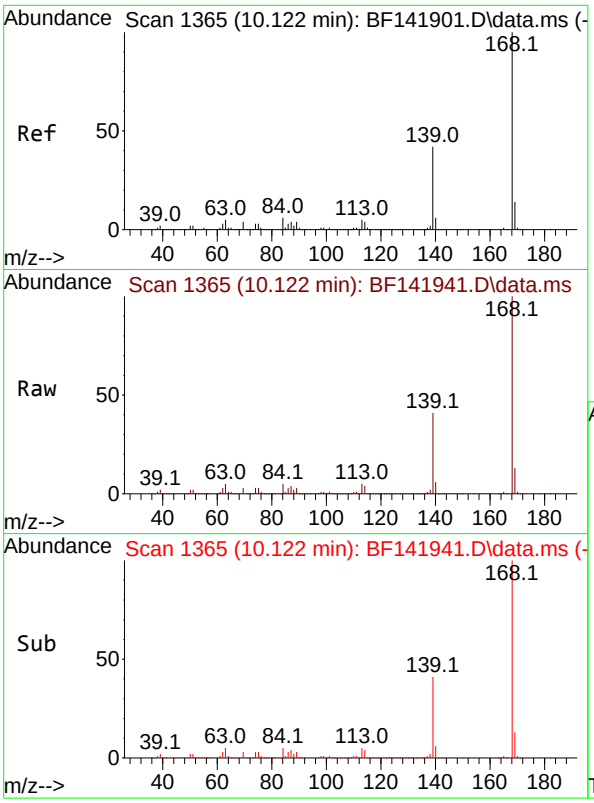




#54
2,4-Dinitrophenol
Concen: 99.219 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:184 Resp: 318705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 61.8 | 60.2 | 90.4 |
| 154 | 68.9 | 132.9 | 199.3# |

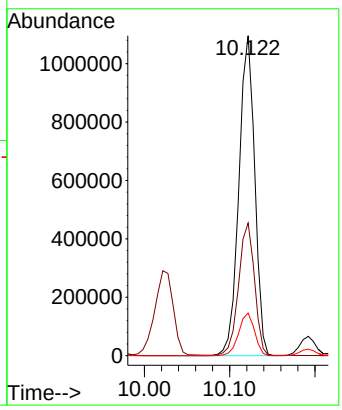





#55
Dibenzofuran
Concen: 44.061 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:168 Resp: 141717

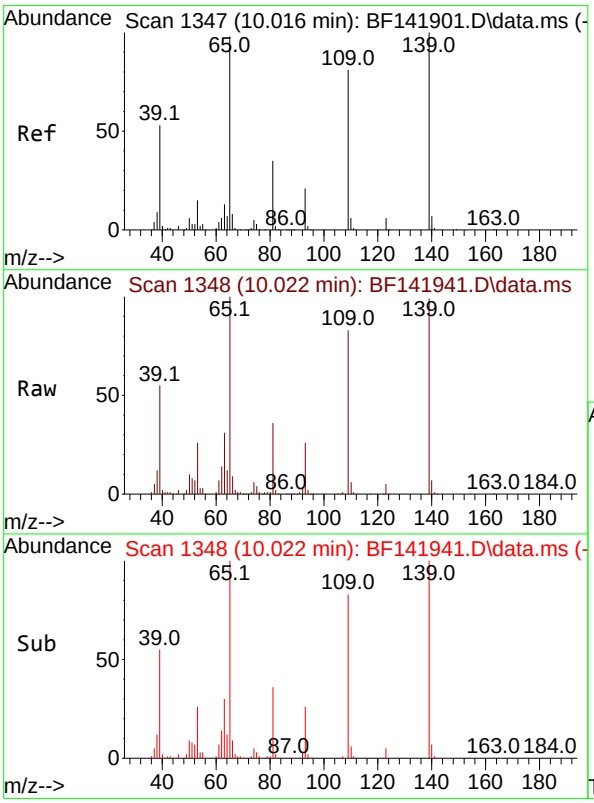
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.5 | 33.9 | 50.9 |
| 169 | 13.3 | 11.0 | 16.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

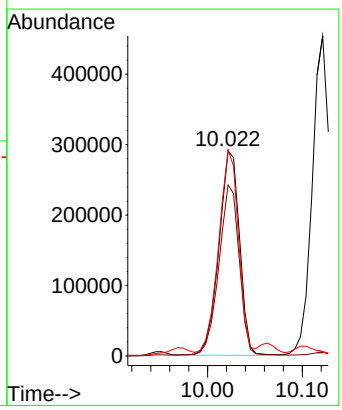
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

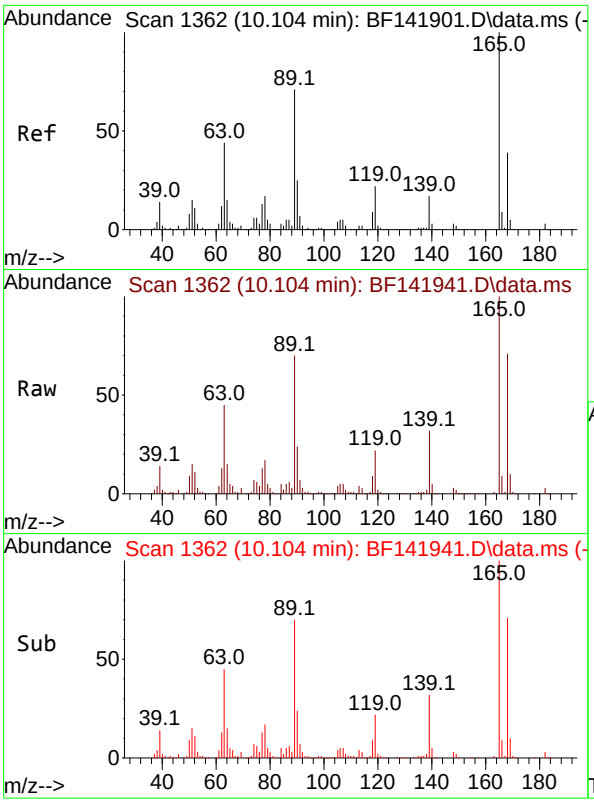



#56
4-Nitrophenol
Concen: 103.387 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:139 Resp: 439494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 83.4 | 61.6 | 101.6 |
| 65 | 100.7 | 79.4 | 119.4 |

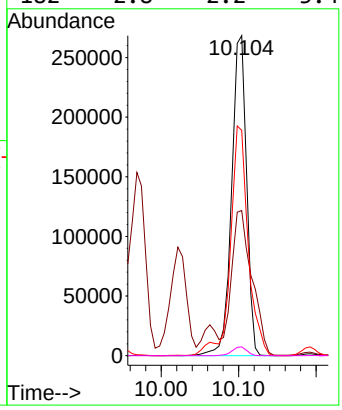





#57
2,4-Dinitrotoluene
Concen: 49.745 ng
RT: 10.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:165 Resp: 36105

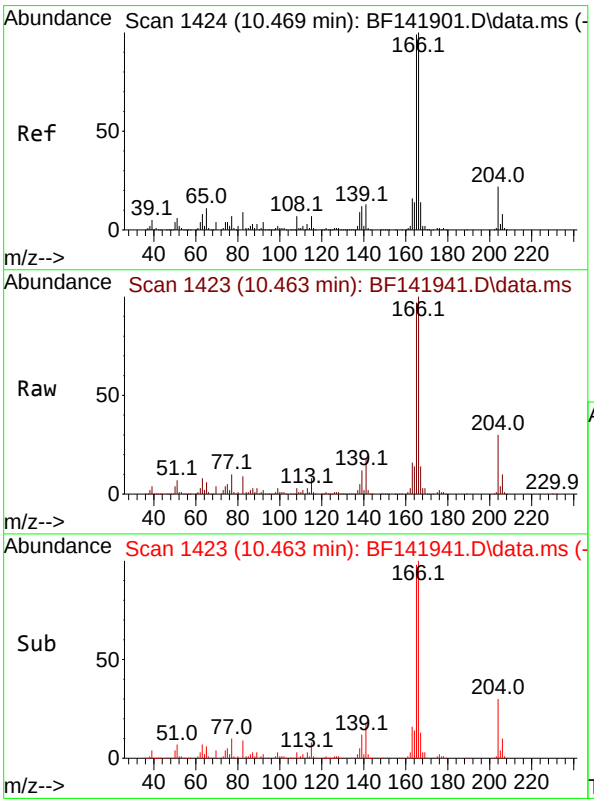
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 45.3 | 35.4 | 53.2 |
| 89 | 70.4 | 56.6 | 84.8 |
| 182 | 2.8 | 2.2 | 3.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

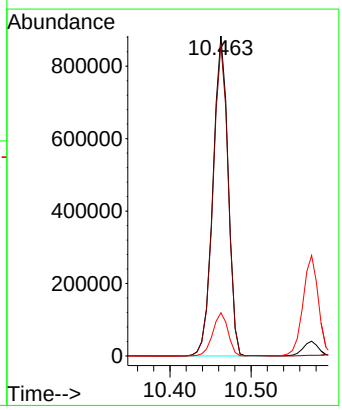
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

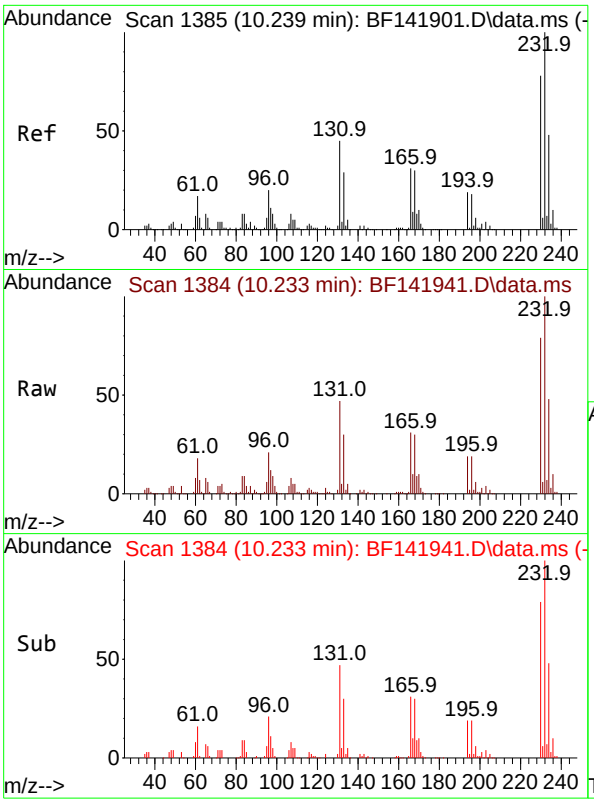



#58
Fluorene
Concen: 46.273 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:166 Resp: 1147740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.3 | 79.0 | 118.4 |
| 167 | 13.5 | 11.0 | 16.4 |

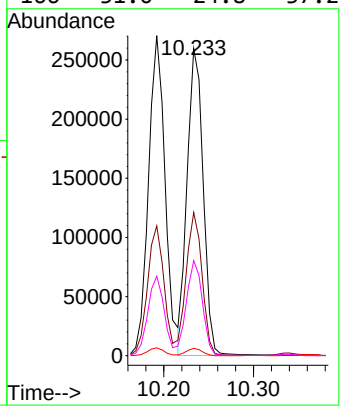





#59
2,3,4,6-Tetrachlorophenol
Concen: 46.303 ng
RT: 10.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:232 Resp: 32362

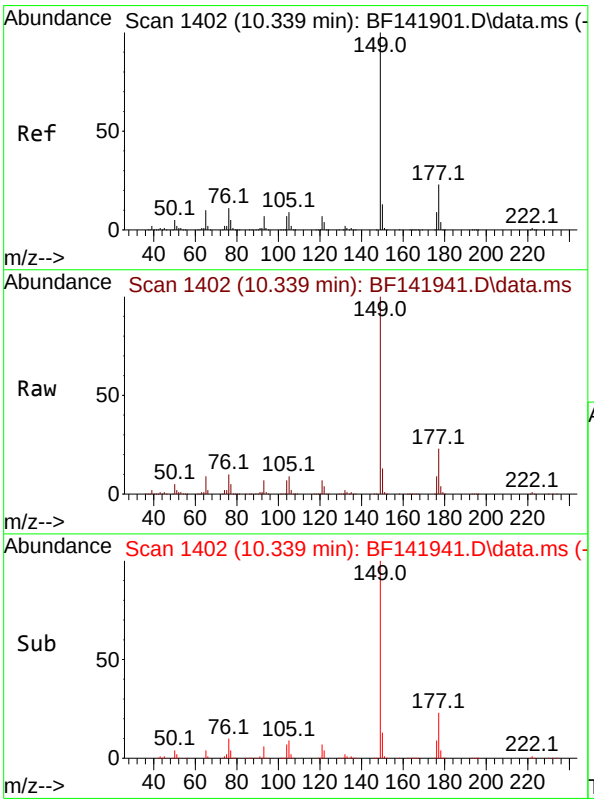
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.9 | 37.3 | 55.9 |
| 130 | 2.4 | 1.9 | 2.9 |
| 166 | 31.0 | 24.8 | 37.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

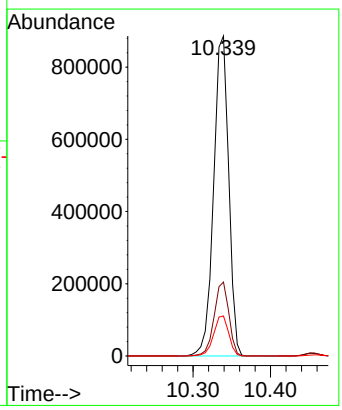
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

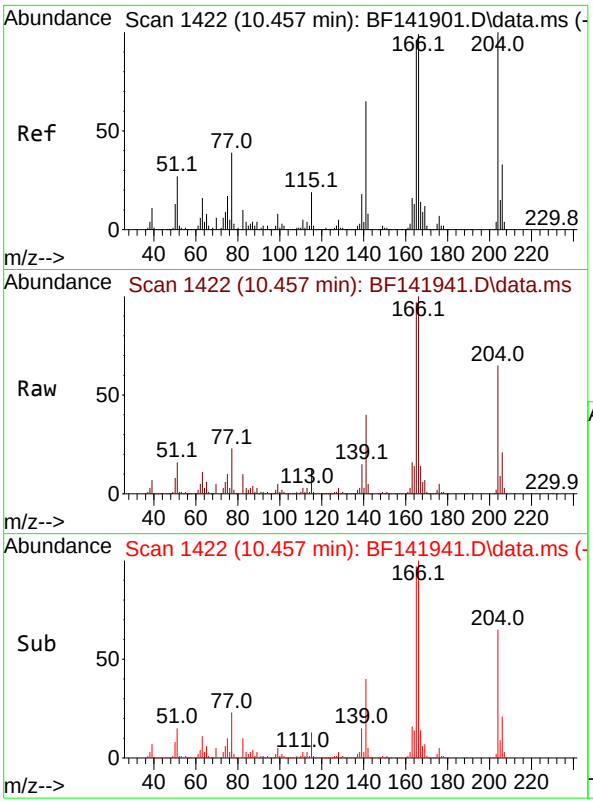



#60
Diethylphthalate
Concen: 44.881 ng
RT: 10.339 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:149 Resp: 1194423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 23.1 | 18.0 | 27.0 |
| 150 | 12.5 | 10.2 | 15.4 |

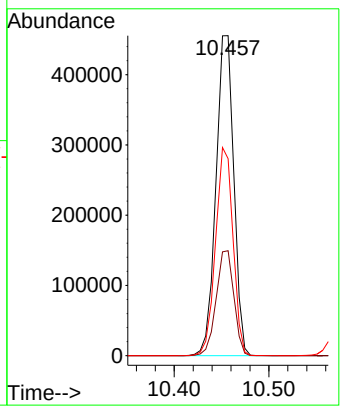





#61
4-Chlorophenyl-phenylether
Concen: 46.224 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:204 Resp: 59774

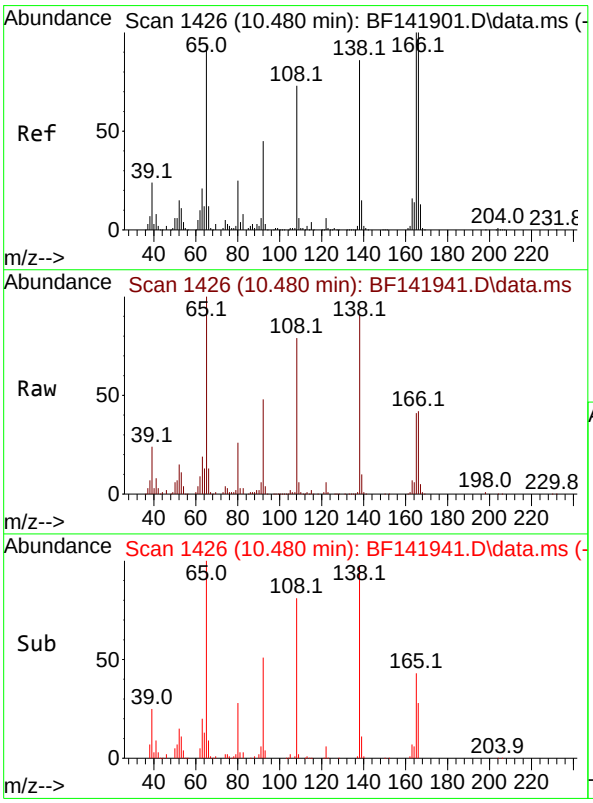
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.8 | 26.8 | 40.2 |
| 141 | 61.6 | 52.4 | 78.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

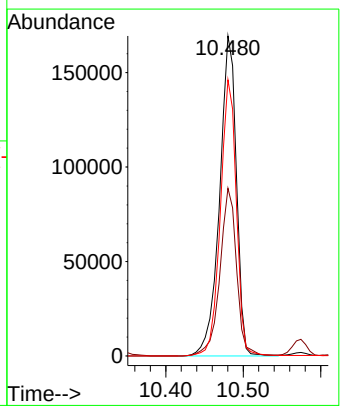
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

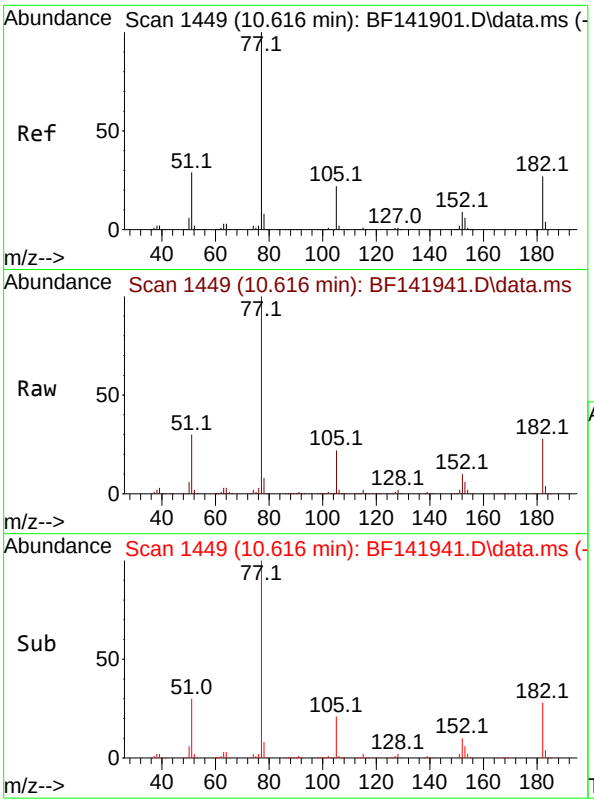



#62
4-Nitroaniline
Concen: 46.734 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:138 Resp: 256469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 52.4 | 32.6 | 72.6 |
| 108 | 86.3 | 65.0 | 105.0 |






#63
Azobenzene
Concen: 43.803 ng
RT: 10.616 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

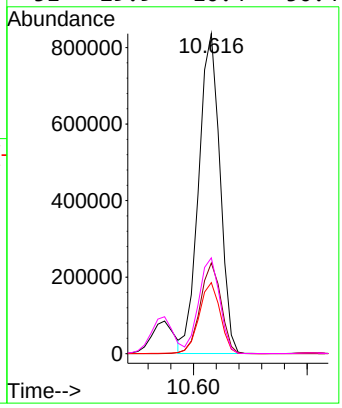
**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

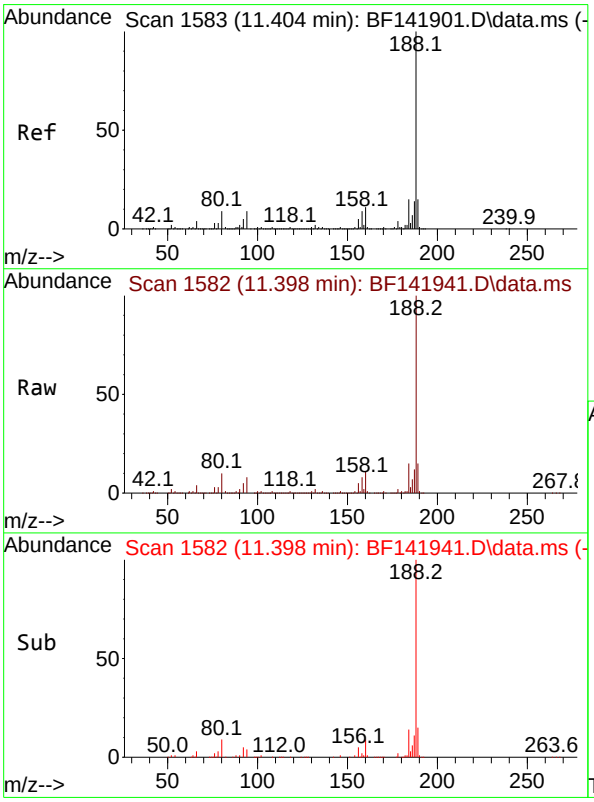
Tgt Ion: 77 Resp: 108380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 28.3 | 6.6 | 46.6 |
| 105 | 22.2 | 1.3 | 41.3 |
| 51 | 29.9 | 10.4 | 50.4 |

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

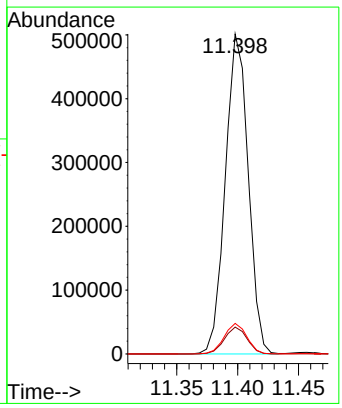


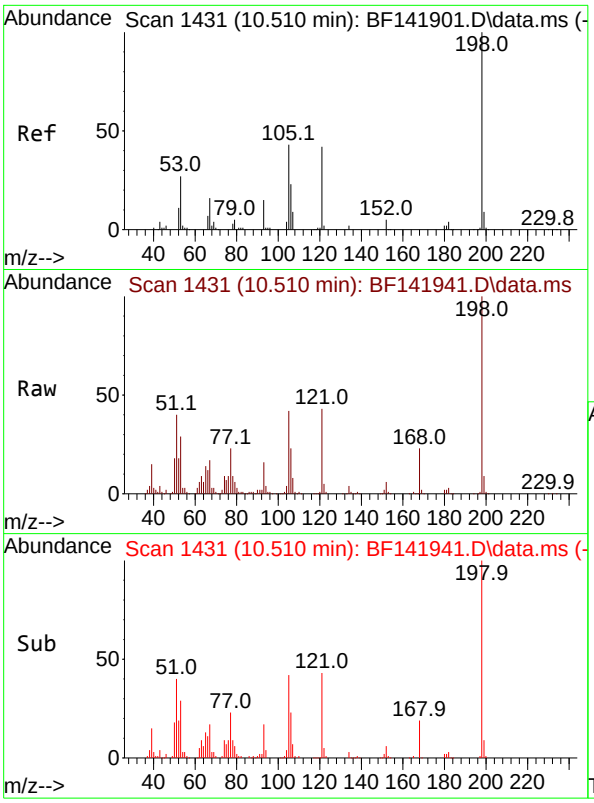




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:188 Resp: 657343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.4 | 6.8 | 10.2 |
| 80 | 9.6 | 7.6 | 11.4 |






#65
4,6-Dinitro-2-methylphenol
Concen: 50.999 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

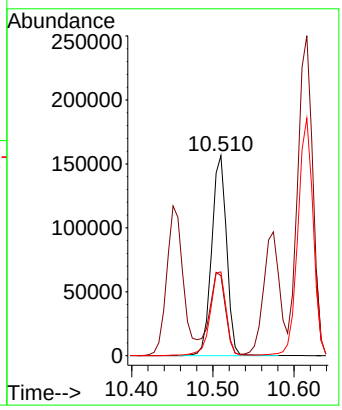
**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

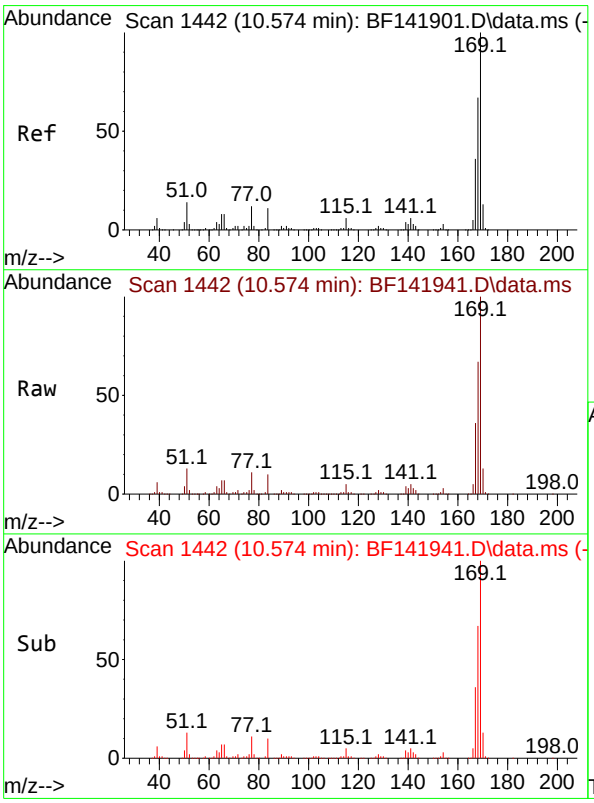
Tgt Ion:198 Resp: 19985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 40.0 | 22.3 | 62.3 |
| 105 | 41.8 | 23.0 | 63.0 |

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

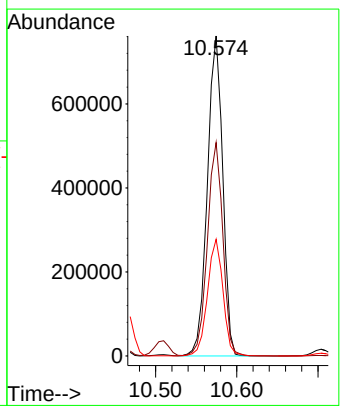


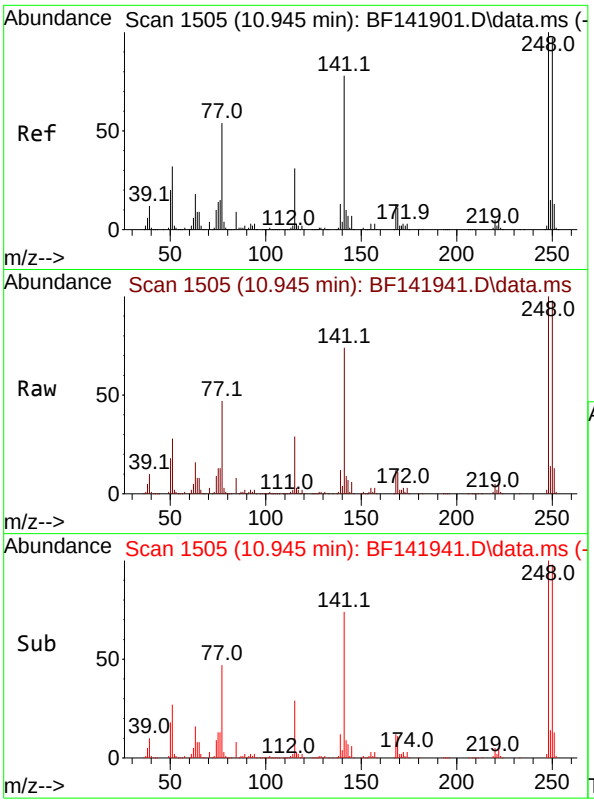




#66
n-Nitrosodiphenylamine
Concen: 46.890 ng
RT: 10.574 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:169 Resp: 997450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.7 | 53.7 | 80.5 |
| 167 | 36.5 | 29.2 | 43.8 |

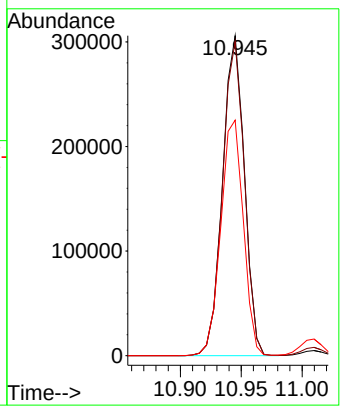





#67
4-Bromophenyl-phenylether
Concen: 46.364 ng
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:248 Resp: 38275

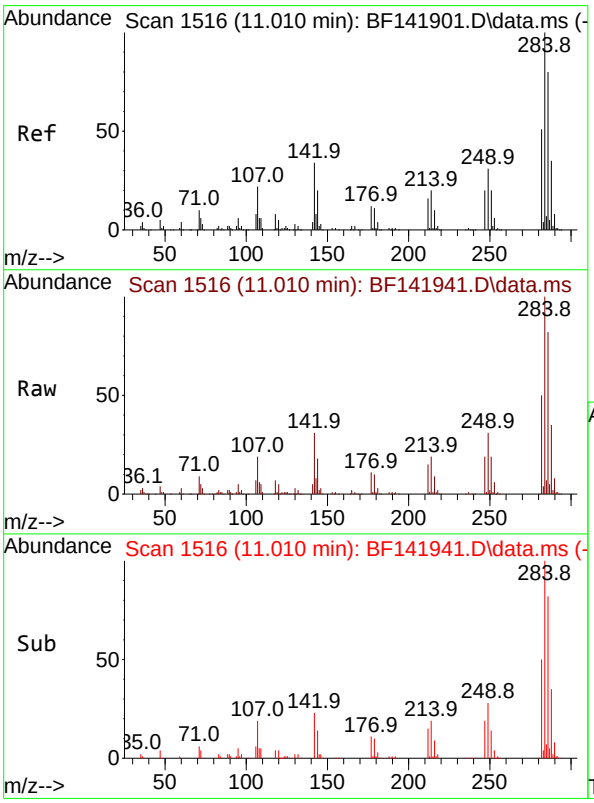
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.2 | 77.8 | 116.8 |
| 141 | 73.6 | 62.6 | 93.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

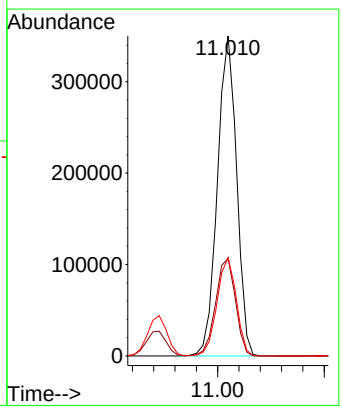
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

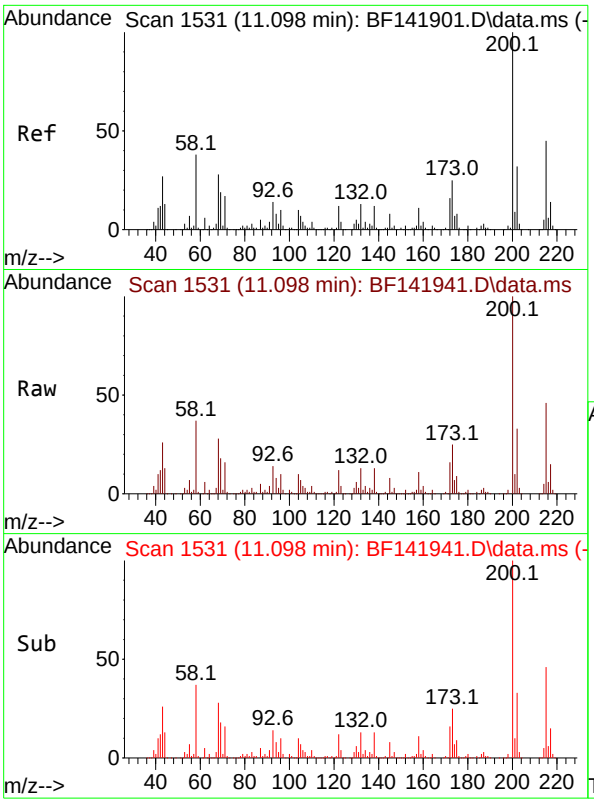



#68
Hexachlorobenzene
Concen: 48.335 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:284 Resp: 437639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 30.5 | 27.0 | 40.6 |
| 249 | 30.7 | 25.2 | 37.8 |






#69
Atrazine
Concen: 61.650 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

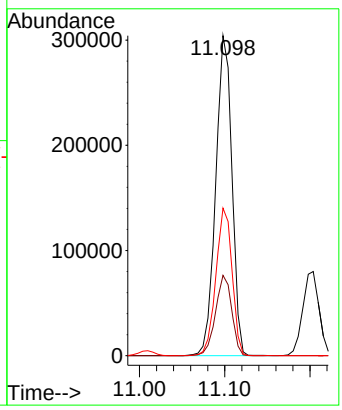
**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

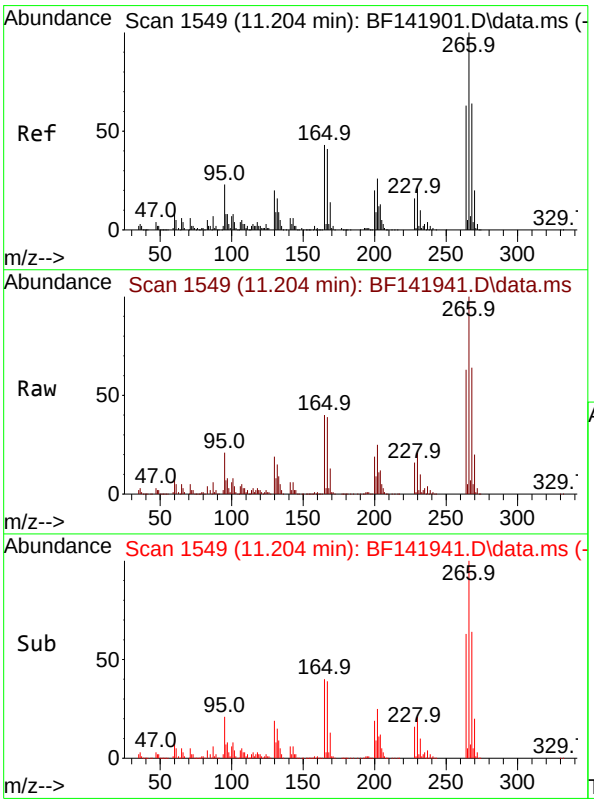
Tgt Ion:200 Resp: 40202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.1 | 4.7 | 44.7 |
| 215 | 46.1 | 25.4 | 65.4 |

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

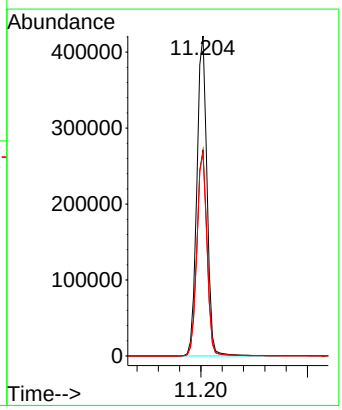


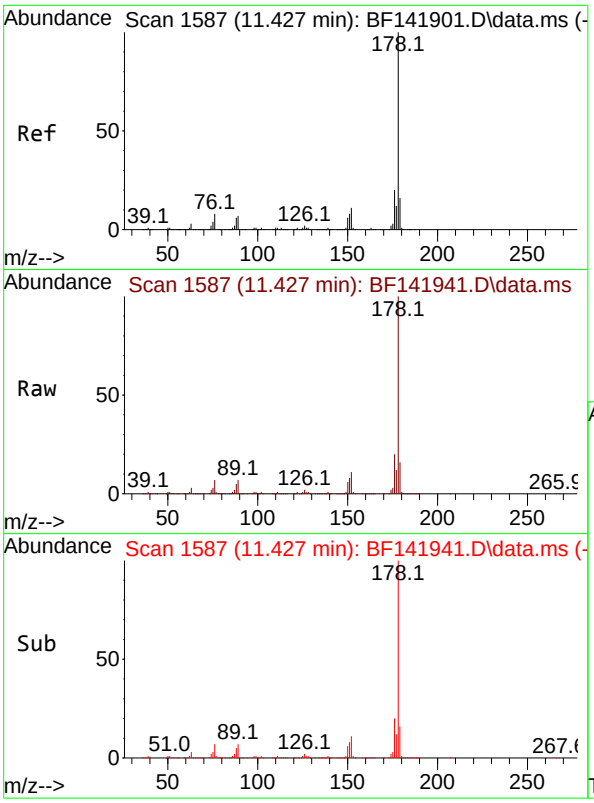




#70
Pentachlorophenol
Concen: 99.911 ng
RT: 11.204 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:266 Resp: 557370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.3 | 51.0 | 76.6 |
| 264 | 63.4 | 50.2 | 75.2 |

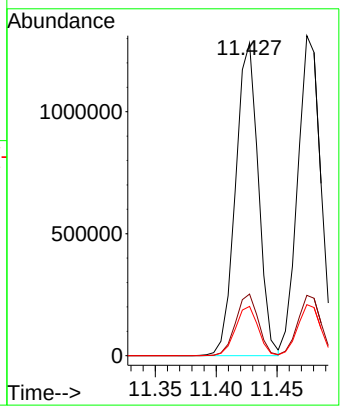





#71
Phenanthrene
Concen: 47.009 ng
RT: 11.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:178 Resp: 166905

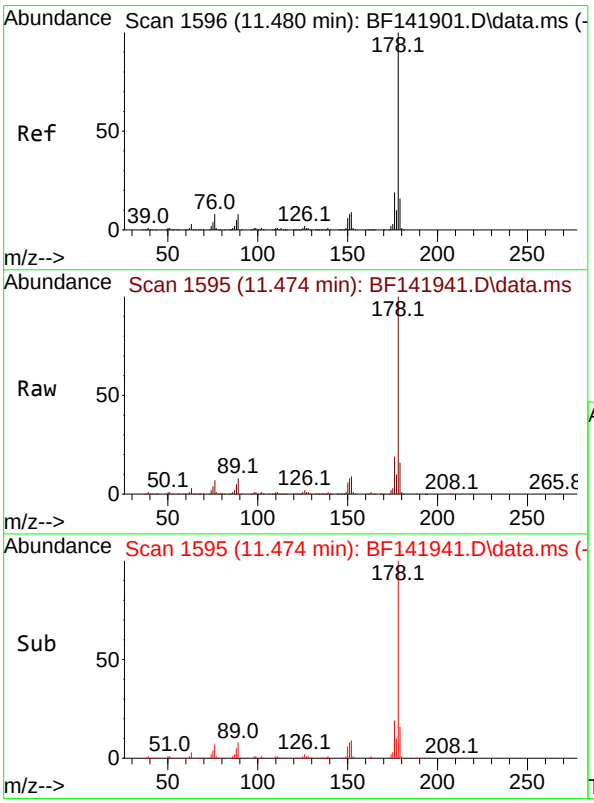
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.7 | 15.8 | 23.8 |
| 179 | 15.8 | 12.6 | 19.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

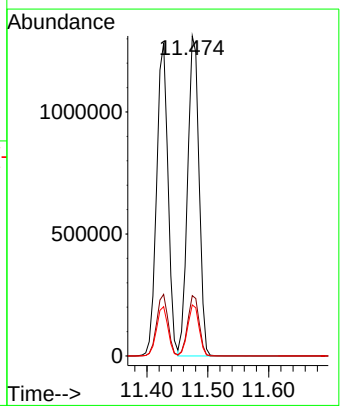
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

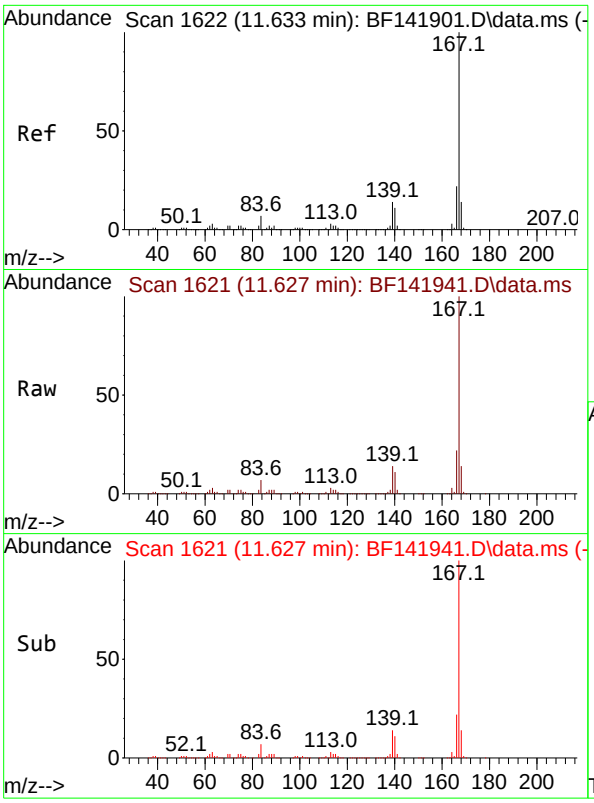



#72
Anthracene
Concen: 48.088 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:178 Resp: 1712956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.1 | 22.7 |
| 179 | 16.0 | 12.6 | 19.0 |

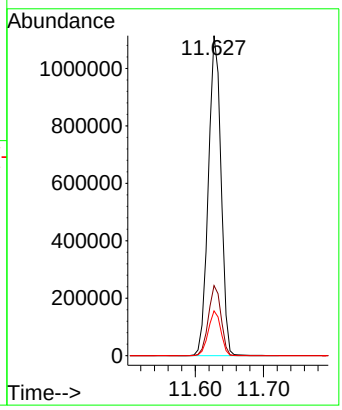





#73
Carbazole
Concen: 46.870 ng
RT: 11.627 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:167 Resp: 143985(

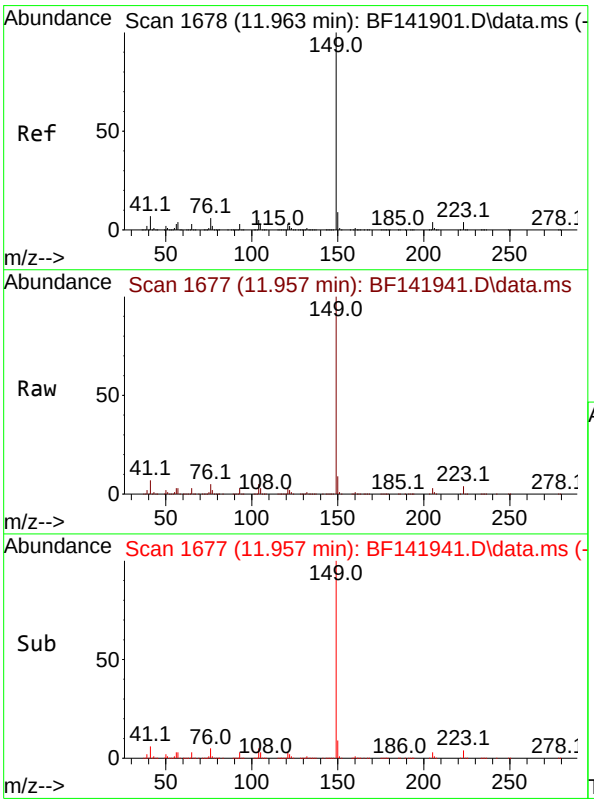
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.9 | 17.4 | 26.2 |
| 139 | 14.0 | 11.0 | 16.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

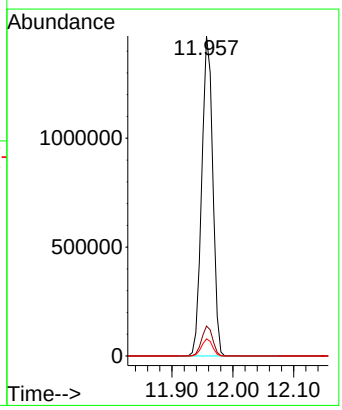
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

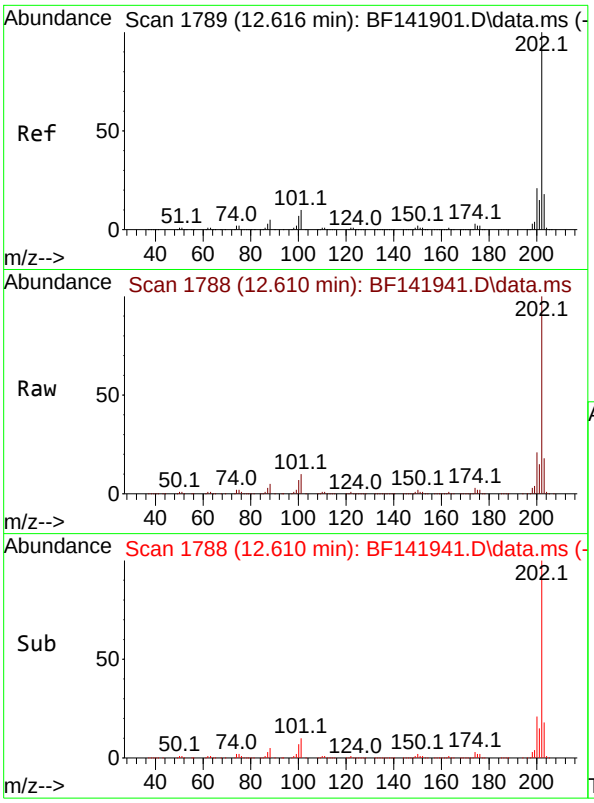



#74
Di-n-butylphthalate
Concen: 45.199 ng
RT: 11.957 min Scan# 1677
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:149 Resp: 1842392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.4 | 7.6 | 11.4 |
| 104 | 5.4 | 4.4 | 6.6 |

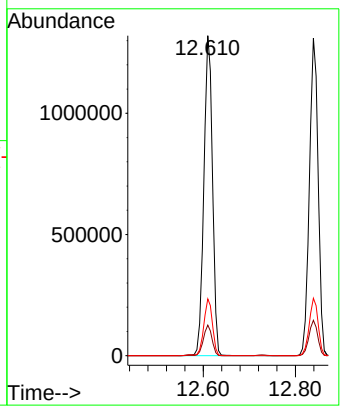





#75
Fluoranthene
Concen: 45.891 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:202 Resp: 172840

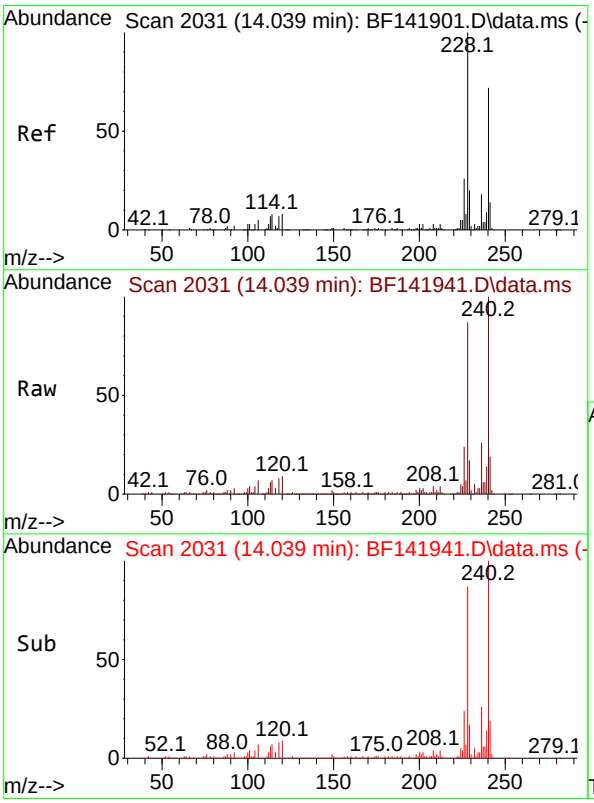
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.6 | 0.0 | 29.7 |
| 203 | 17.8 | 0.0 | 37.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

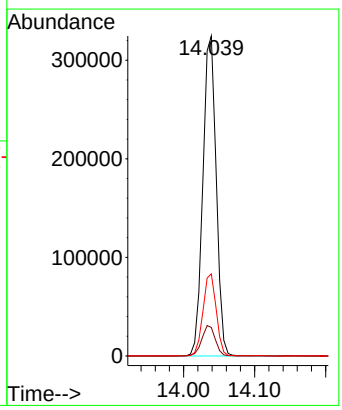
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

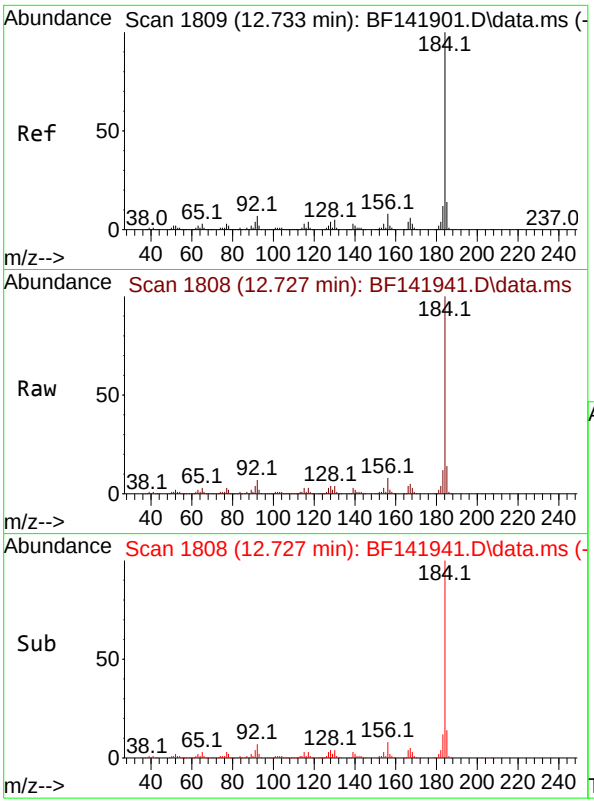



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:240 Resp: 424407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.9 | 8.4 | 12.6 |
| 236 | 25.7 | 20.5 | 30.7 |

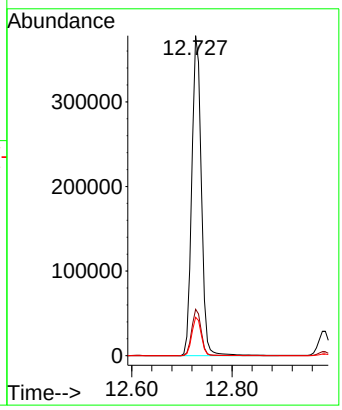





#77
Benzidine
Concen: 84.472 ng
RT: 12.727 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:184 Resp: 50018

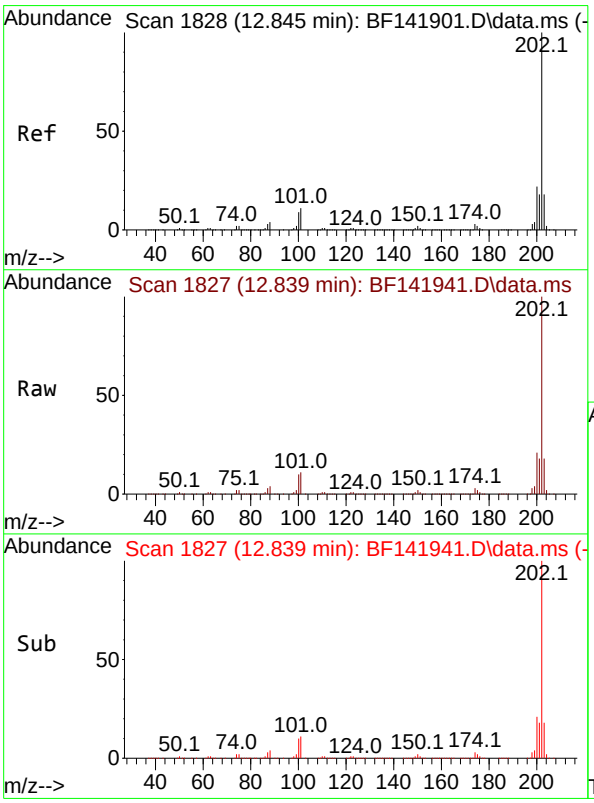
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.5 | 11.5 | 17.3 |
| 183 | 12.0 | 9.7 | 14.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

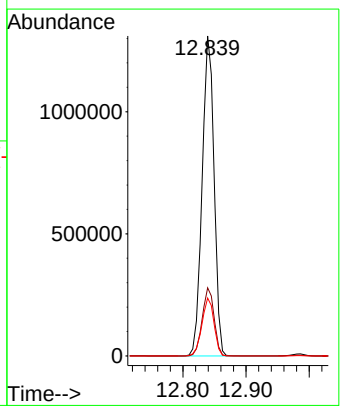
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

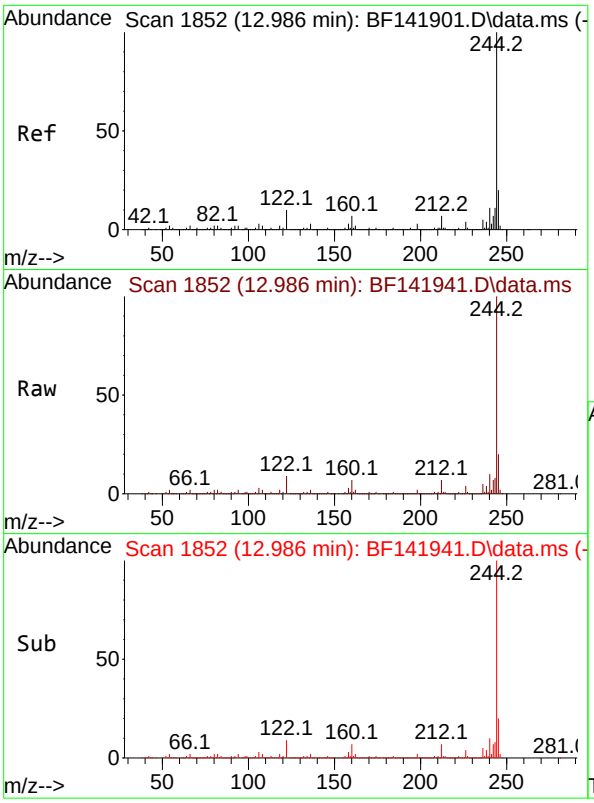



#78
Pyrene
Concen: 46.834 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:202 Resp: 1719348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.3 | 17.3 | 25.9 |
| 203 | 18.1 | 14.4 | 21.6 |

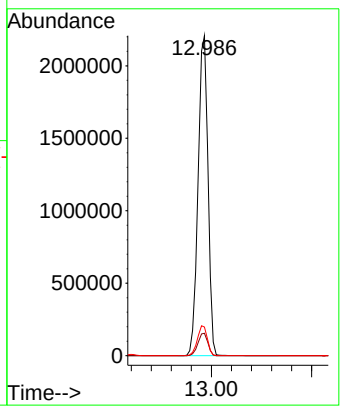





#79
Terphenyl-d14
Concen: 105.142 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:244 Resp: 301822

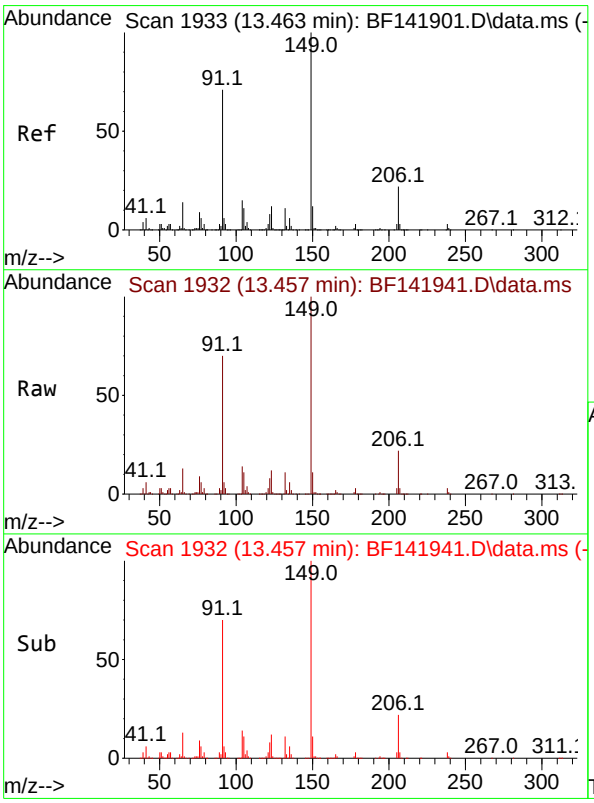
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 6.0 | 9.0 |
| 122 | 8.9 | 7.7 | 11.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

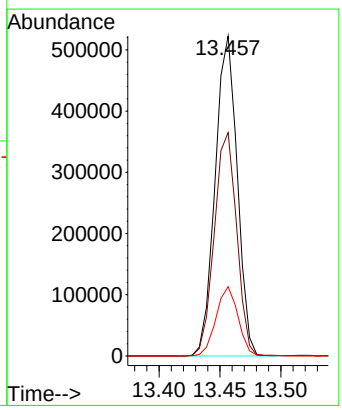
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

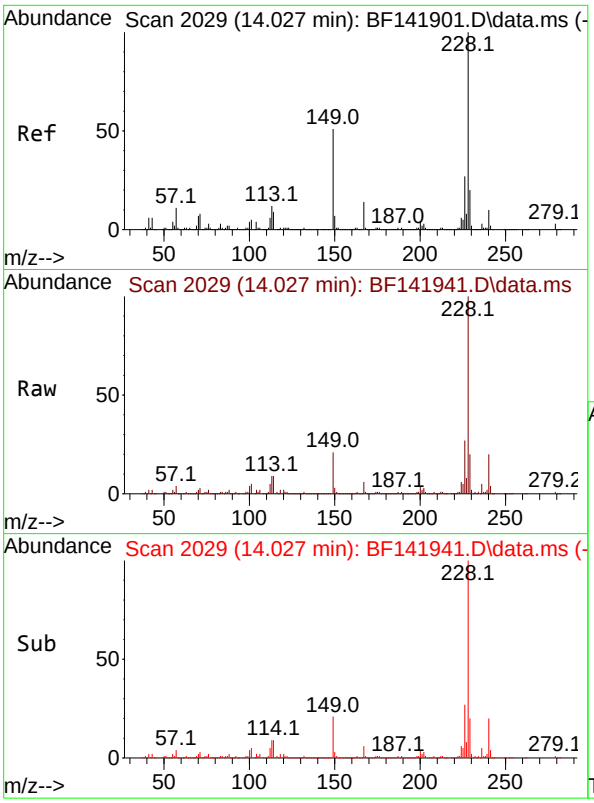



#80
Butylbenzylphthalate
Concen: 45.971 ng
RT: 13.457 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:149 Resp: 660564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 69.8 | 56.5 | 84.7 |
| 206 | 21.7 | 17.3 | 25.9 |

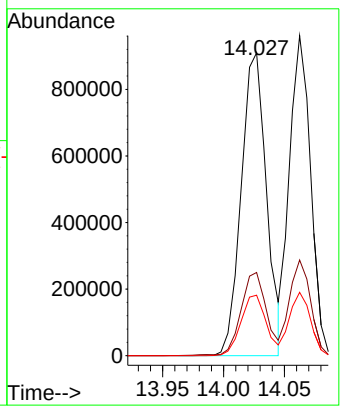





#81
Benzo(a)anthracene
Concen: 47.211 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:228 Resp: 131481

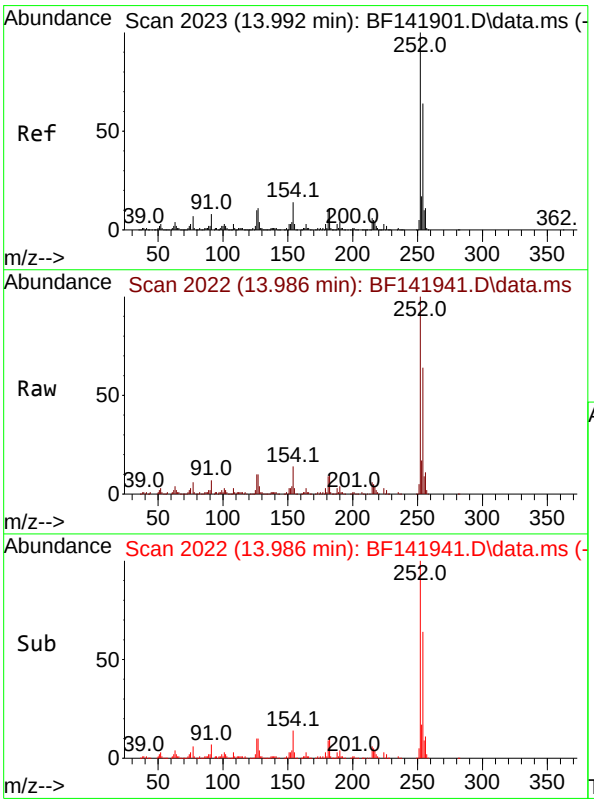
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.5 | 21.8 | 32.8 |
| 229 | 20.0 | 16.0 | 24.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

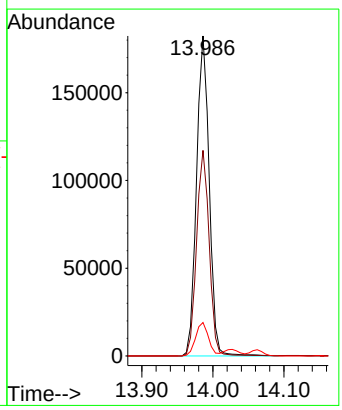
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

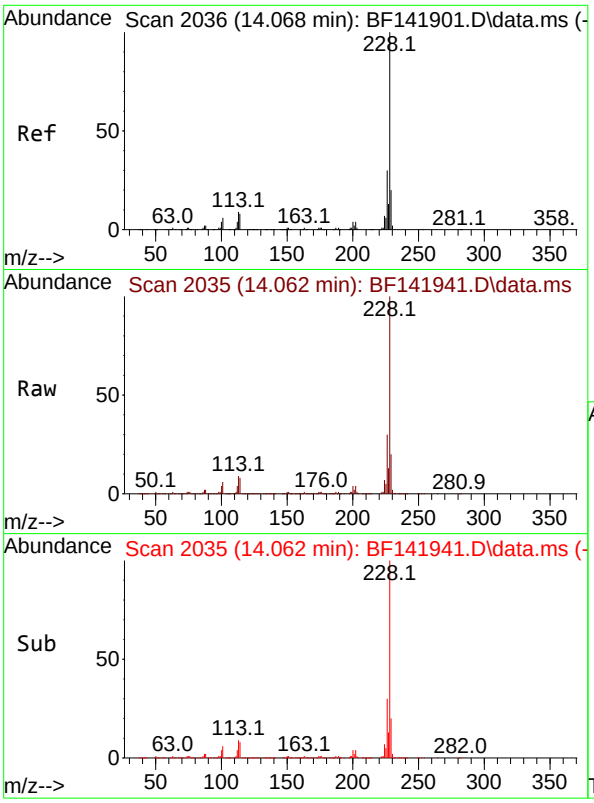



#82
3,3'-Dichlorobenzidine
Concen: 28.215 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:252 Resp: 227079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.2 | 51.0 | 76.6 |
| 126 | 10.4 | 8.4 | 12.6 |

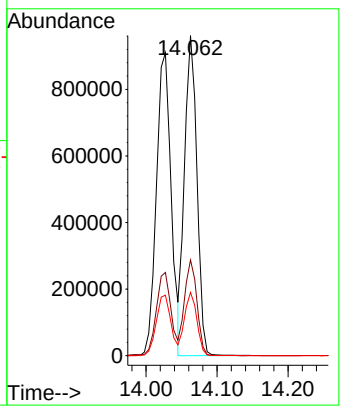





#83
Chrysene
Concen: 46.252 ng
RT: 14.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:228 Resp: 116761

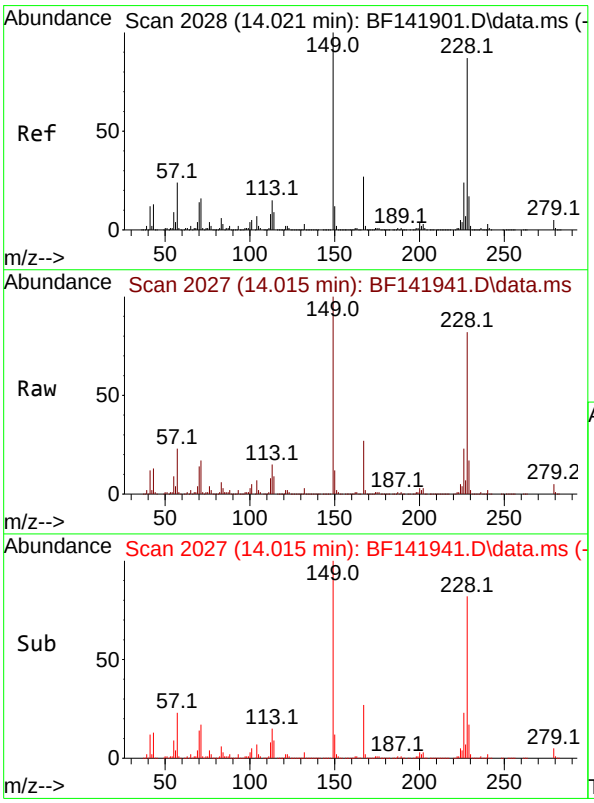
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 24.1 | 36.1 |
| 229 | 19.8 | 15.7 | 23.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

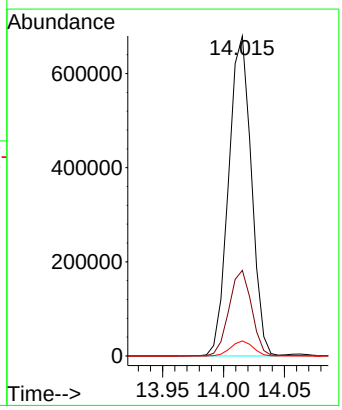
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

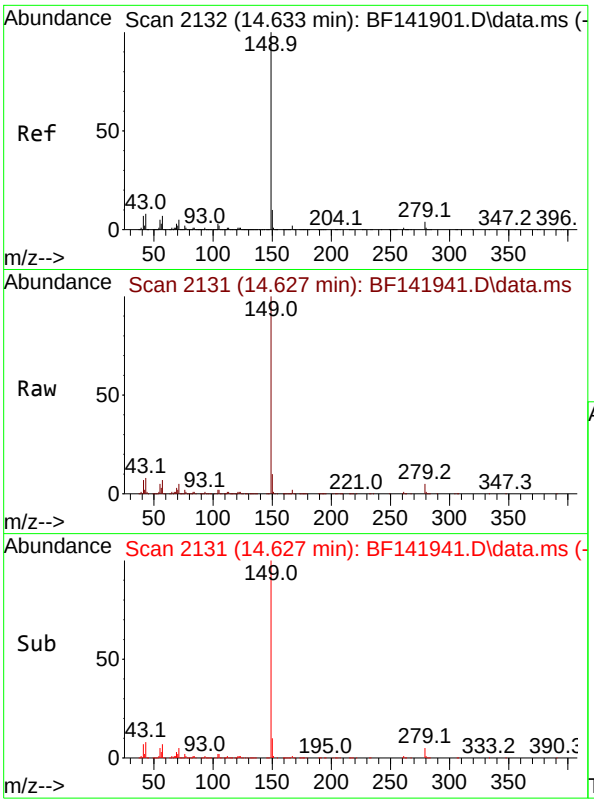



#84
Bis(2-ethylhexyl)phthalate
Concen: 44.545 ng
RT: 14.015 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:149 Resp: 882521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.8 | 21.4 | 32.0 |
| 279 | 4.7 | 3.8 | 5.6 |






#85
Di-n-octyl phthalate
Concen: 45.138 ng
RT: 14.627 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

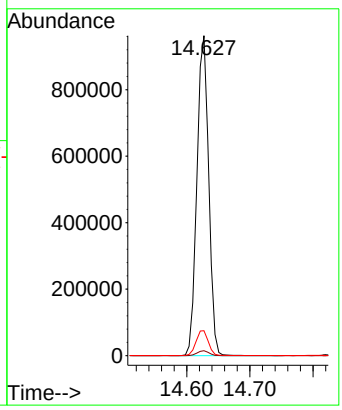
Tgt Ion:149 Resp: 124428

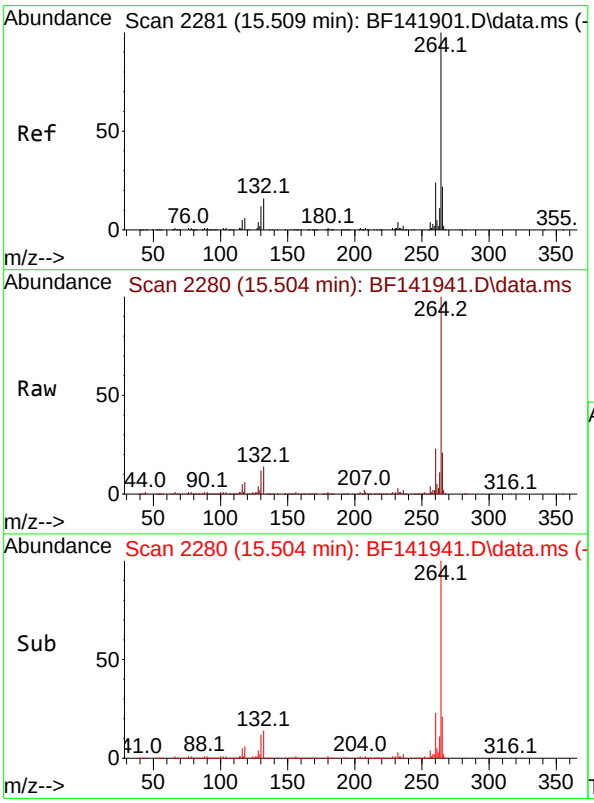
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 8.1 | 6.9 | 10.3 |

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

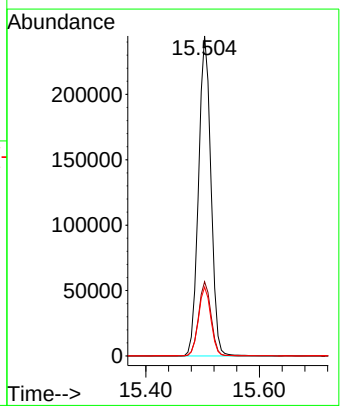


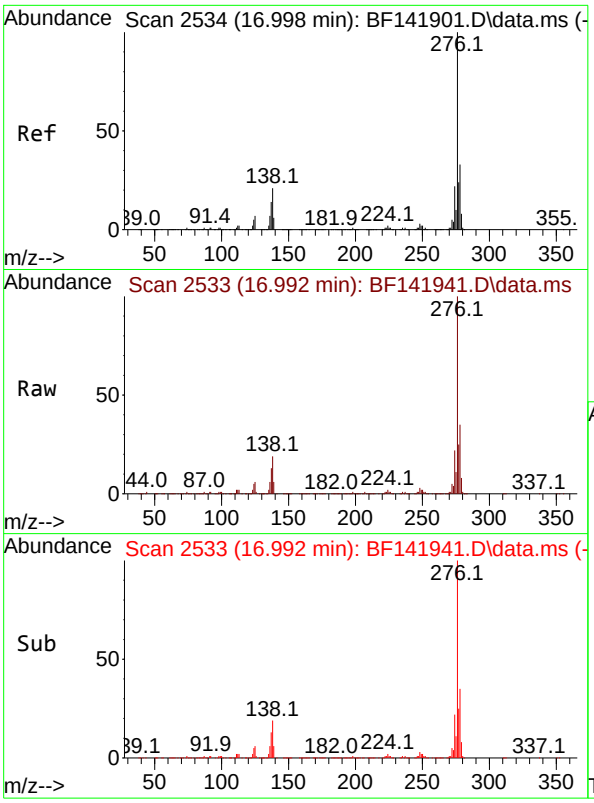




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:264 Resp: 370791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 19.1 | 28.7 |
| 265 | 21.5 | 17.5 | 26.3 |

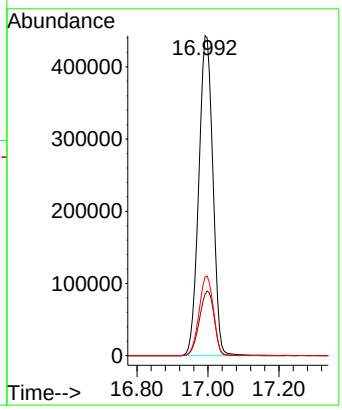





#87
Indeno(1,2,3-cd)pyrene
Concen: 51.214 ng
RT: 16.992 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:276 Resp: 122841

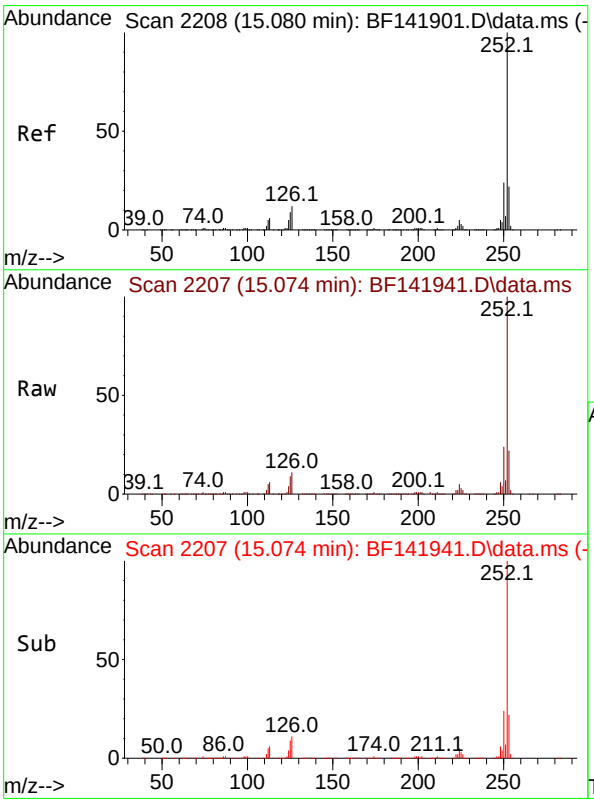
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.2 | 18.4 | 27.6 |
| 277 | 25.5 | 20.3 | 30.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

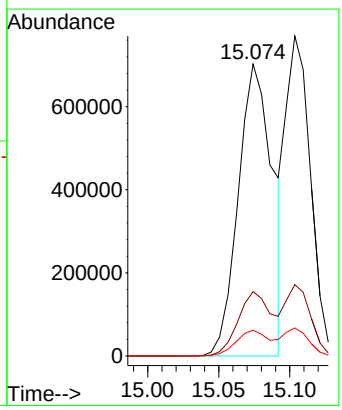
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

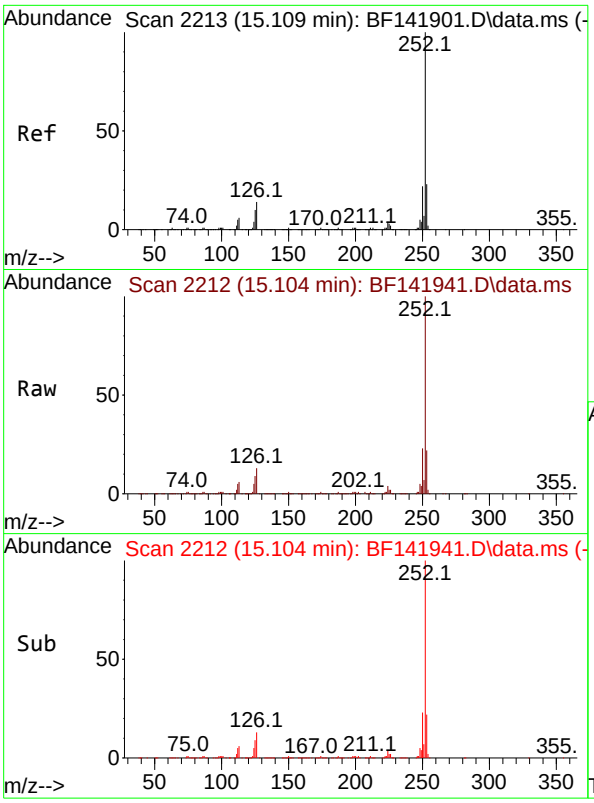



#88
Benzo(b)fluoranthene
Concen: 46.317 ng
RT: 15.074 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:252 Resp: 1177030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.5 | 26.3 |
| 125 | 8.8 | 7.0 | 10.4 |

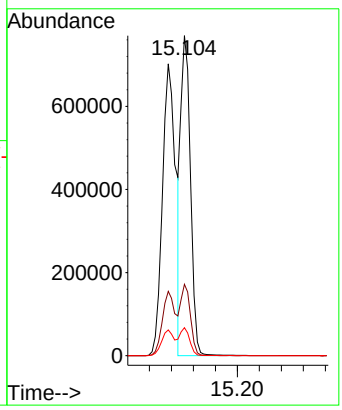





#89
Benzo(k)fluoranthene
Concen: 43.336 ng
RT: 15.104 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:252 Resp: 94244

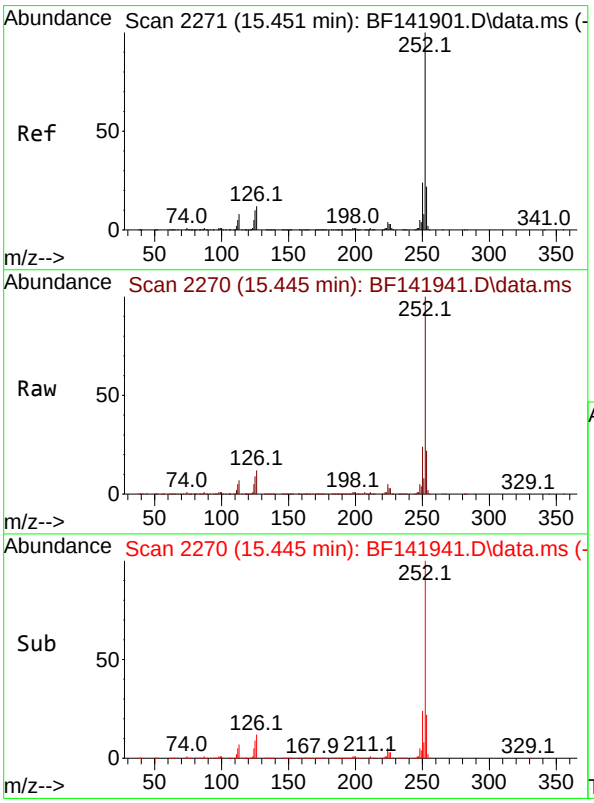
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.7 | 26.5 |
| 125 | 8.8 | 7.2 | 10.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

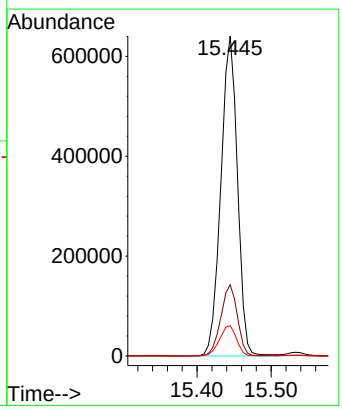
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

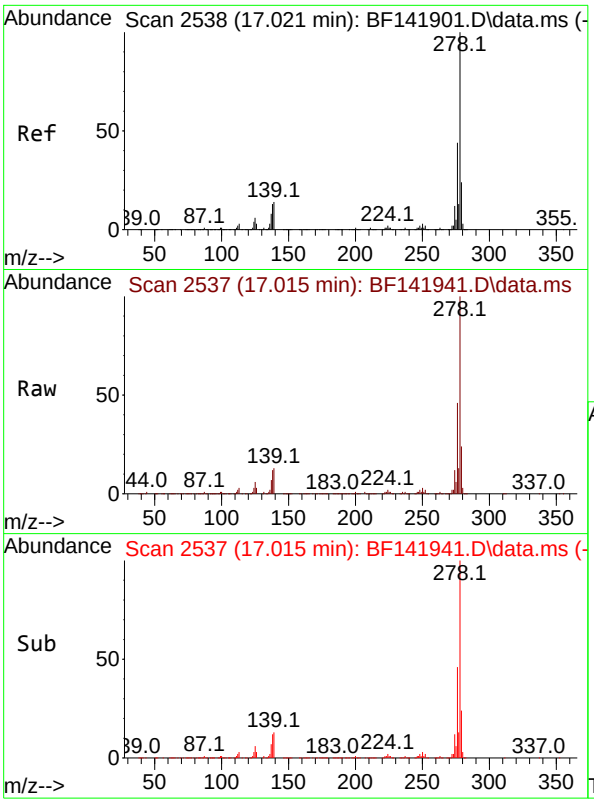



#90
Benzo(a)pyrene
Concen: 50.093 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:252 Resp: 996055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.4 | 26.0 |
| 125 | 9.5 | 7.8 | 11.8 |

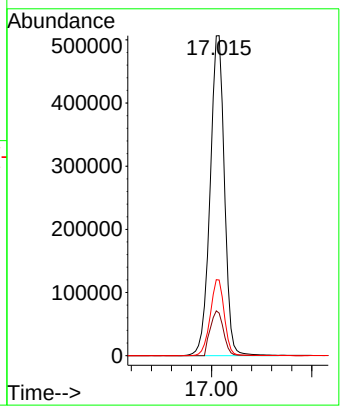





#91
Dibenzo(a,h)anthracene
Concen: 50.797 ng
RT: 17.015 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:278 Resp: 100528

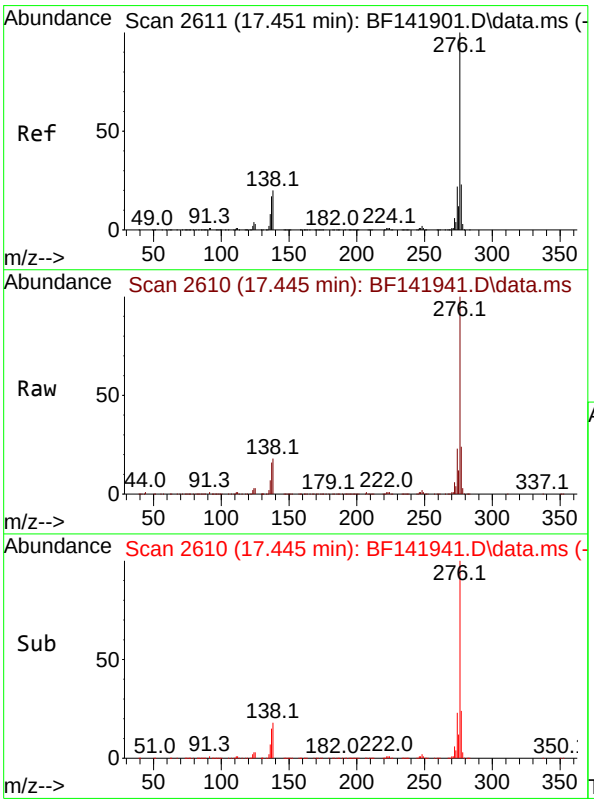
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.3 | 11.4 | 17.2 |
| 279 | 23.6 | 18.8 | 28.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BS

**Manual Integrations**
**APPROVED**

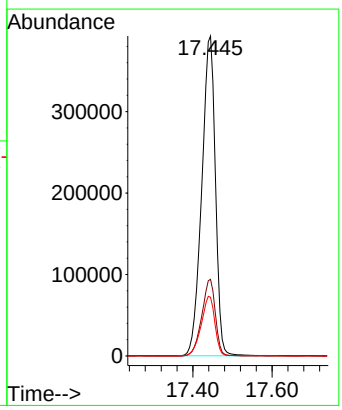
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025




#92
Benzo(g,h,i)perylene
Concen: 47.965 ng
RT: 17.445 min Scan# 2610
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:276 Resp: 938047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.9 | 18.7 | 28.1 |
| 138 | 18.4 | 15.8 | 23.8 |



Raw Data: **BF141942.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Alliance Technical Group, LLC - Newark | Date Collected: | |
| Project: | NJ Waste Water PT | Date Received: | |
| Client Sample ID: | PB167097BSD | SDG No.: | Q1502 |
| Lab Sample ID: | PB167097BSD | Matrix: | Water |
| Analytical Method: | SW8270 | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group6 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF141942.D | 1 | 03/12/25 08:45 | 03/13/25 13:47 | PB167097 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 1912-24-9 | Atrazine | 59.1 | | 1.00 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 4165-60-0 | Nitrobenzene-d5 | 93.2 | | 49 - 133 | 93% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 93.8 | | 52 - 132 | 94% | SPK: 100 |
| 1718-51-0 | Terphenyl-d14 | 101 | | 48 - 125 | 101% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 178000 | 6.875 | | | |
| 1146-65-2 | Naphthalene-d8 | 702000 | 8.157 | | | |
| 15067-26-2 | Acenaphthene-d10 | 402000 | 9.916 | | | |
| 1517-22-2 | Phenanthrene-d10 | 683000 | 11.398 | | | |
| 1719-03-5 | Chrysene-d12 | 437000 | 14.033 | | | |
| 1520-96-3 | Perylene-d12 | 393000 | 15.504 | | | |

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

Sample Results: **BF141942.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141942.D
Acq On : 13 Mar 2025 13:47
Operator : RC/JU
Sample : PB167097BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 13 14:35:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations APPROVED**

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 178366 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 702401 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 401749 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.398 | 188 | 683407 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.033 | 240 | 437316 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.504 | 264 | 392710 | 20.000 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.510 | 112 | 1413436 | 132.254 | ng | 0.02 |
| 7) Phenol-d6 | 6.504 | 99 | 1756797 | 129.108 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.439 | 82 | 1163264 | 93.200 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.704 | 330 | 771672 | 151.406 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.233 | 172 | 2478502 | 93.823 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.980 | 244 | 2991728 | 101.143 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.781 | 88 | 187189 | 41.802 | ng | 99 |
| 3) Pyridine | 3.534 | 79 | 435192 | 39.620 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.481 | 42 | 222631 | 42.519 | ng | 100 |
| 6) Aniline | 6.540 | 93 | 484108 | 36.064 | ng | 100 |
| 8) 2-Chlorophenol | 6.663 | 128 | 523341 | 44.153 | ng | 99 |
| 9) Benzaldehyde | 6.428 | 77 | 161299 | 21.195 | ng | 100 |
| 10) Phenol | 6.516 | 94 | 614836 | 42.950 | ng | 96 |
| 11) bis(2-Chloroethyl)ether | 6.610 | 93 | 460371 | 42.829 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.816 | 146 | 547988 | 42.823 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 6.892 | 146 | 556911 | 43.013 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 7.045 | 146 | 534852 | 43.858 | ng | 99 |
| 15) Benzyl Alcohol | 7.016 | 79 | 471295 | 42.842 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151 | 45 | 523711 | 40.357 | ng | 99 |
| 17) 2-Methylphenol | 7.122 | 107 | 419477 | 44.510 | ng | 98 |
| 18) Hexachloroethane | 7.387 | 117 | 207547 | 42.748 | ng | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.292 | 70 | 358439 | 40.995 | ng | 100 |
| 20) 3+4-Methylphenols | 7.275 | 107 | 531297 | 44.013 | ng | 94 |
| 22) Acetophenone | 7.287 | 105 | 793124 | 47.151 | ng | 99 |
| 24) Nitrobenzene | 7.457 | 77 | 541451 | 43.637 | ng | 100 |
| 25) Isophorone | 7.698 | 82 | 997958 | 45.232 | ng | 100 |
| 26) 2-Nitrophenol | 7.775 | 139 | 279514 | 45.898 | ng | 99 |
| 27) 2,4-Dimethylphenol | 7.804 | 122 | 459597 | 54.809 | ng | 97 |
| 28) bis(2-Chloroethoxy)met... | 7.904 | 93 | 590404 | 42.665 | ng | 99 |
| 29) 2,4-Dichlorophenol | 8.010 | 162 | 455855 | 43.797 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.098 | 180 | 495238 | 43.176 | ng | 98 |
| 31) Naphthalene | 8.181 | 128 | 1520406 | 42.138 | ng | 100 |
| 32) Benzoic acid | 7.934 | 122 | 383964 | 52.090 | ng | 99 |
| 33) 4-Chloroaniline | 8.222 | 127 | 231327 | 18.162 | ng | 99 |
| 34) Hexachlorobutadiene | 8.298 | 225 | 329952 | 44.109 | ng | 99 |
| 35) Caprolactam | 8.598 | 113 | 155078m | 48.870 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.704 | 107 | 500230 | 43.084 | ng | 98 |
| 37) 2-Methylnaphthalene | 8.869 | 142 | 1001009 | 41.506 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.969 | 142 | 974037 | 41.853 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.039 | 216 | 583297 | 47.688 | ng | 97 |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 787555 | 164.521 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 9.145 | 196 | 360707 | 45.123 | ng | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141942.D
Acq On : 13 Mar 2025 13:47
Operator : RC/JU
Sample : PB167097BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 13 14:35:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations APPROVED**

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.186 | 196 | 370018 | 45.703 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.334 | 154 | 1464225 | 47.967 | ng | | 100 |
| 47) 2-Chloronaphthalene | 9.363 | 162 | 994179 | 43.696 | ng | | 99 |
| 48) 2-Nitroaniline | 9.451 | 65 | 298045 | 45.243 | ng | | 98 |
| 49) Acenaphthylene | 9.775 | 152 | 1557169 | 46.120 | ng | | 100 |
| 50) Dimethylphthalate | 9.639 | 163 | 1194632 | 42.463 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.698 | 165 | 263529 | 44.989 | ng | | 94 |
| 52) Acenaphthene | 9.951 | 154 | 1177793 | 49.639 | ng | | 98 |
| 53) 3-Nitroaniline | 9.863 | 138 | 159486 | 26.841 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 9.969 | 184 | 320573 | 94.980 | ng | # | 52 |
| 55) Dibenzofuran | 10.122 | 168 | 1424322 | 42.011 | ng | | 99 |
| 56) 4-Nitrophenol | 10.022 | 139 | 435956 | 97.292 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 10.098 | 165 | 359870 | 47.038 | ng | | 97 |
| 58) Fluorene | 10.463 | 166 | 1136451 | 43.467 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.233 | 232 | 323646 | 43.930 | ng | | 100 |
| 60) Diethylphthalate | 10.339 | 149 | 1198598 | 42.727 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204 | 594729 | 43.631 | ng | | 99 |
| 62) 4-Nitroaniline | 10.480 | 138 | 255806 | 44.221 | ng | | 99 |
| 63) Azobenzene | 10.616 | 77 | 1090059 | 41.795 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198 | 203376 | 49.919 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 10.575 | 169 | 990749 | 44.799 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248 | 379973 | 44.271 | ng | | 97 |
| 68) Hexachlorobenzene | 11.010 | 284 | 442267 | 46.983 | ng | | 95 |
| 69) Atrazine | 11.098 | 200 | 400827 | 59.122 | ng | | 99 |
| 70) Pentachlorophenol | 11.204 | 266 | 554214 | 95.557 | ng | | 99 |
| 71) Phenanthrene | 11.427 | 178 | 1661922 | 45.023 | ng | | 100 |
| 72) Anthracene | 11.475 | 178 | 1697853 | 45.846 | ng | | 100 |
| 73) Carbazole | 11.627 | 167 | 1421538 | 44.509 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.957 | 149 | 1824481 | 43.052 | ng | | 100 |
| 75) Fluoranthene | 12.610 | 202 | 1694947 | 43.287 | ng | | 100 |
| 77) Benzidine | 12.727 | 184 | 545926 | 89.476 | ng | | 100 |
| 78) Pyrene | 12.839 | 202 | 1692747 | 44.748 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.457 | 149 | 646504 | 43.665 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.021 | 228 | 1329501 | 46.329 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.986 | 252 | 247002 | 29.785 | ng | | 99 |
| 83) Chrysene | 14.063 | 228 | 1152190 | 44.293 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.016 | 149 | 866554 | 42.448 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.627 | 149 | 1235348 | 43.491 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 16.992 | 276 | 1234216 | 48.584 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.074 | 252 | 1060224 | 39.392 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.104 | 252 | 1055343 | 45.819 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.445 | 252 | 995119 | 47.252 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.009 | 278 | 1018402 | 48.588 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.445 | 276 | 942720 | 45.514 | ng | | 98 |

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

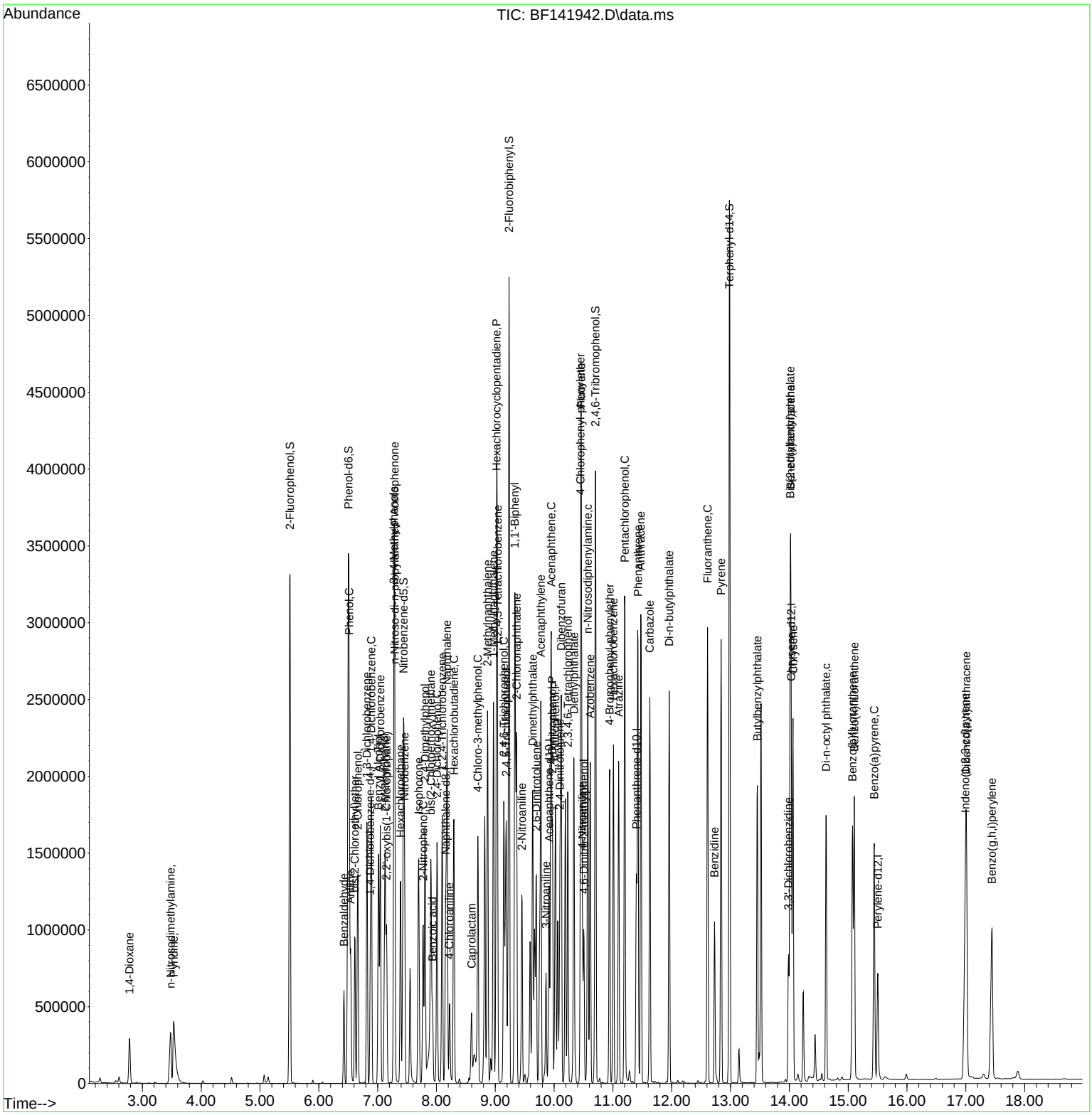
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
Data File : BF141942.D
Acq On : 13 Mar 2025 13:47
Operator : RC/JU
Sample : PB167097BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

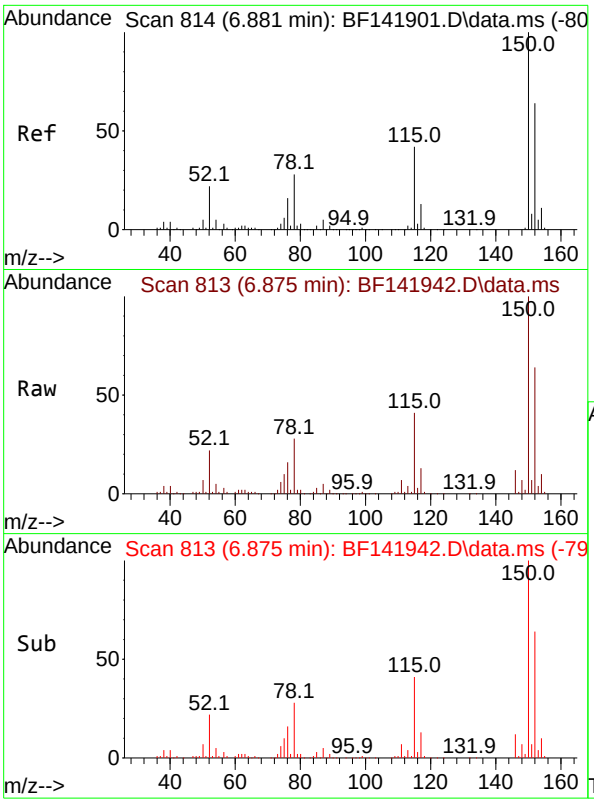
Quant Time: Mar 13 14:35:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations APPROVED**

Reviewed By :Anahy Claudio 03/14/2025
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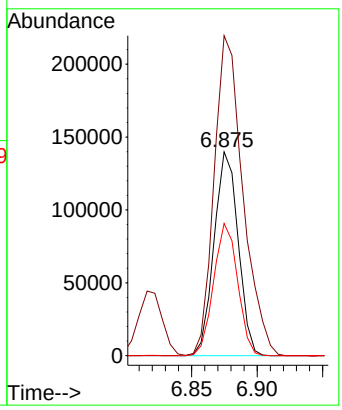





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:152 Resp: 17836

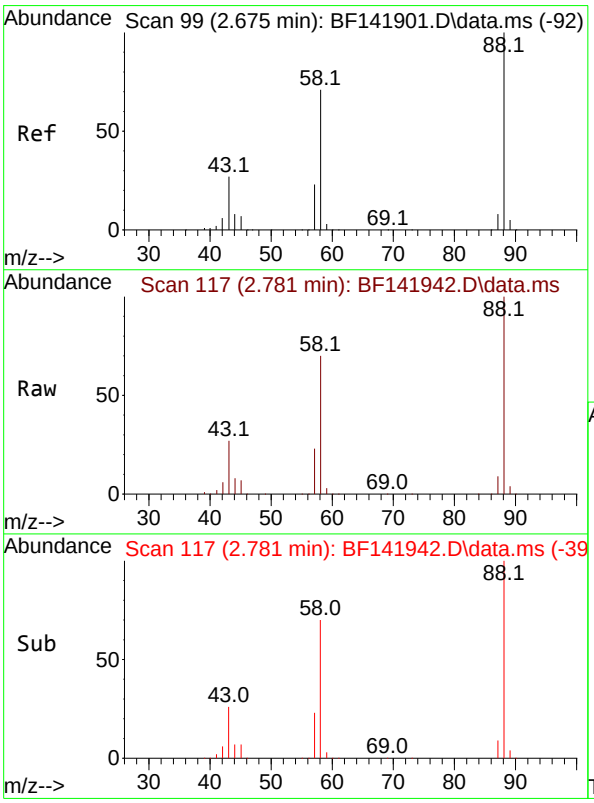
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.0 | 127.4 | 191.2 |
| 115 | 64.9 | 51.9 | 77.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

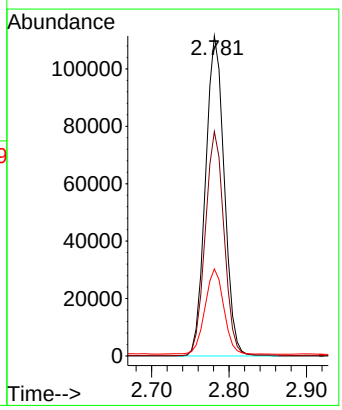
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

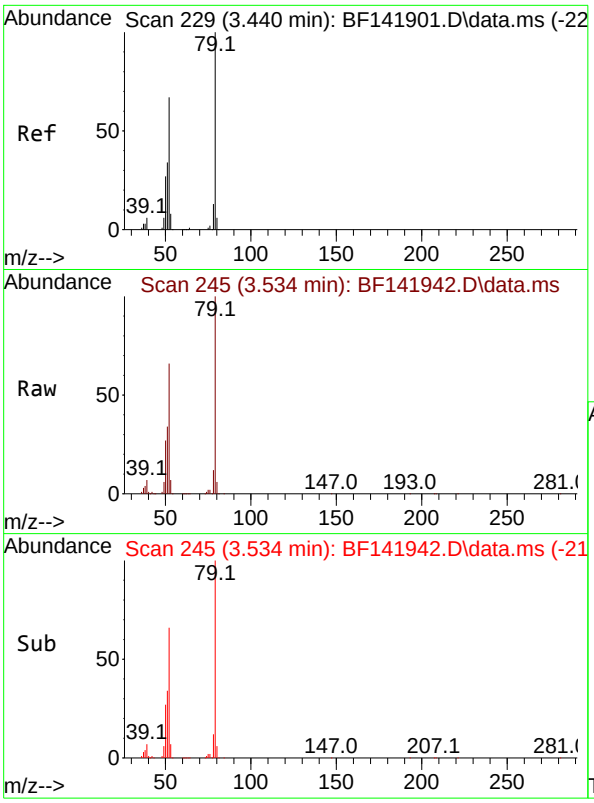



#2
1,4-Dioxane
Concen: 41.802 ng
RT: 2.781 min Scan# 117
Delta R.T. 0.106 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion: 88 Resp: 187189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 70.1 | 57.4 | 86.2 |
| 43 | 26.8 | 21.5 | 32.3 |

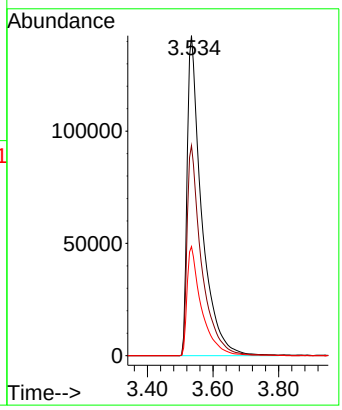





#3
Pyridine
Concen: 39.620 ng
RT: 3.534 min Scan# 24
Delta R.T. 0.094 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion: 79 Resp: 43519

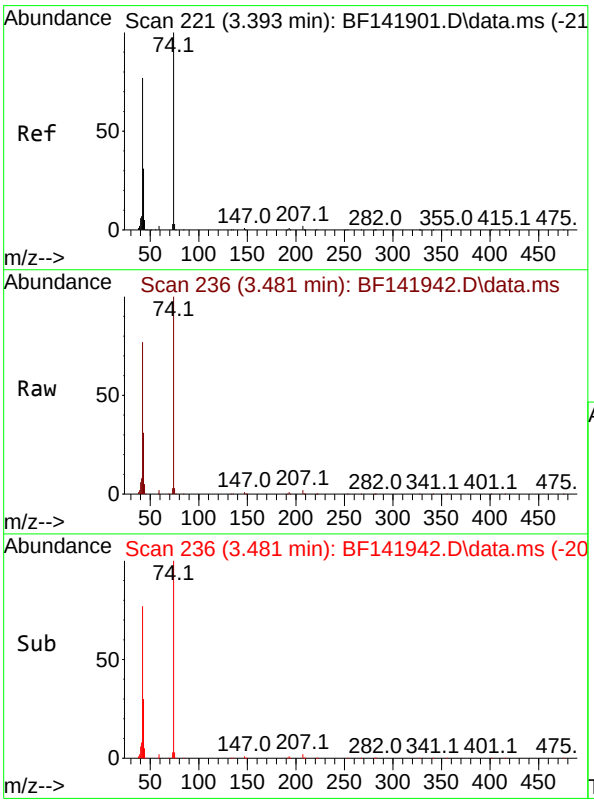
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 65.7 | 53.3 | 79.9 |
| 51 | 34.1 | 27.6 | 41.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

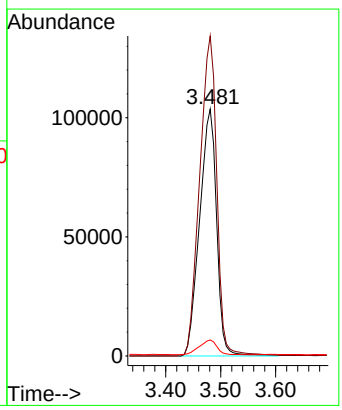
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

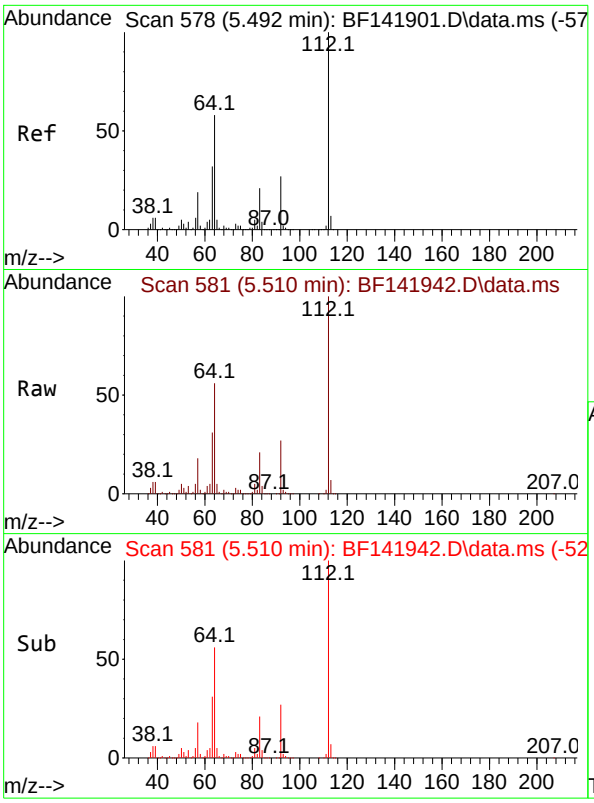



#4
n-Nitrosodimethylamine
Concen: 42.519 ng
RT: 3.481 min Scan# 236
Delta R.T. 0.088 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion: 42 Resp: 222631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 129.6 | 103.4 | 155.0 |
| 44 | 6.5 | 5.0 | 7.4 |

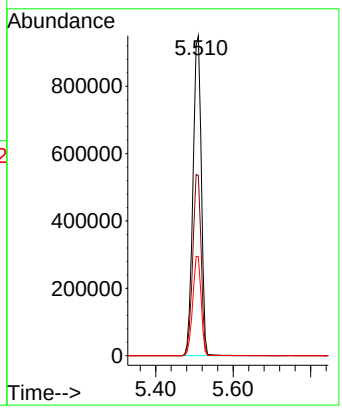





#5
2-Fluorophenol
Concen: 132.254 ng
RT: 5.510 min Scan# 5
Delta R.T. 0.018 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:112 Resp: 141343

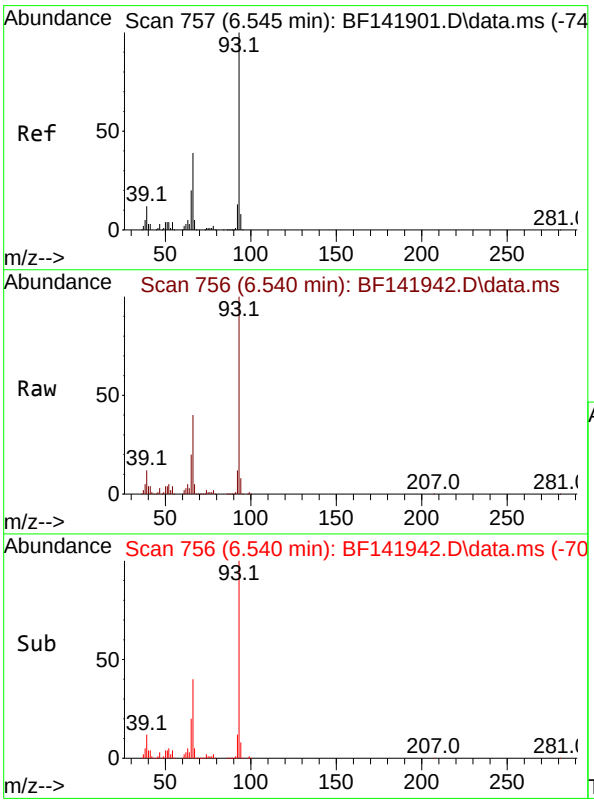
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.3 | 46.5 | 69.7 |
| 63 | 30.9 | 25.4 | 38.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

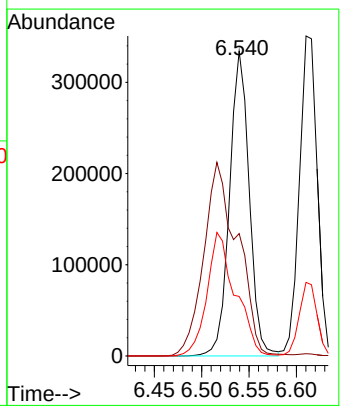
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

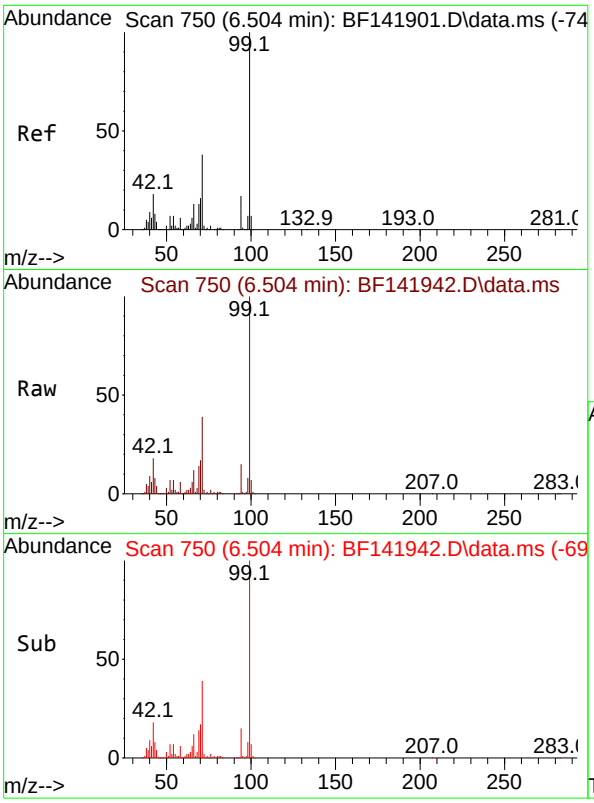



#6
Aniline
Concen: 36.064 ng
RT: 6.540 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion: 93 Resp: 484108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 40.1 | 31.9 | 47.9 |
| 65 | 19.5 | 15.8 | 23.6 |

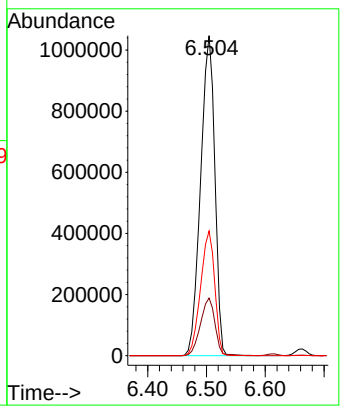





#7
Phenol-d6
Concen: 129.108 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion: 99 Resp: 175679

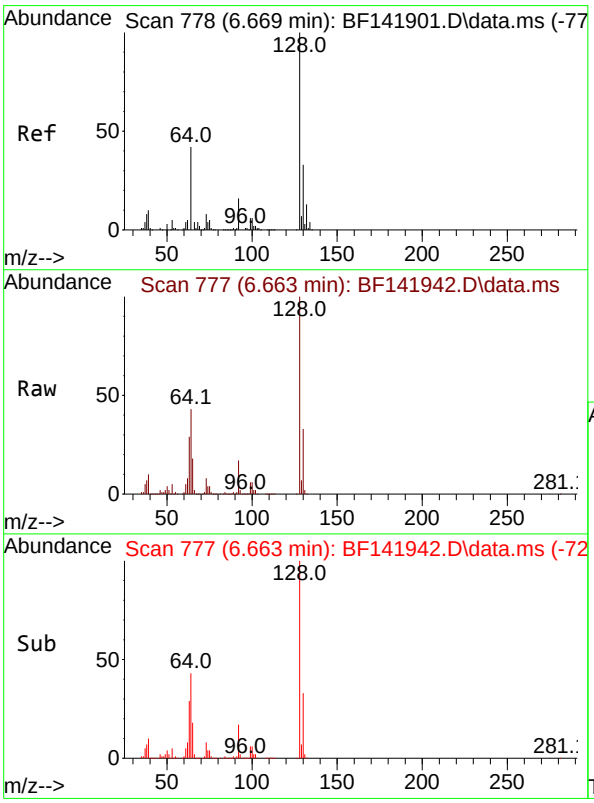
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.0 | 14.6 | 21.8 |
| 71 | 39.0 | 30.8 | 46.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

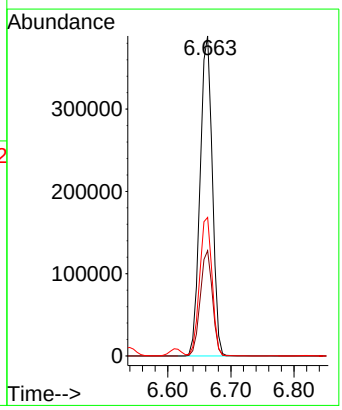
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

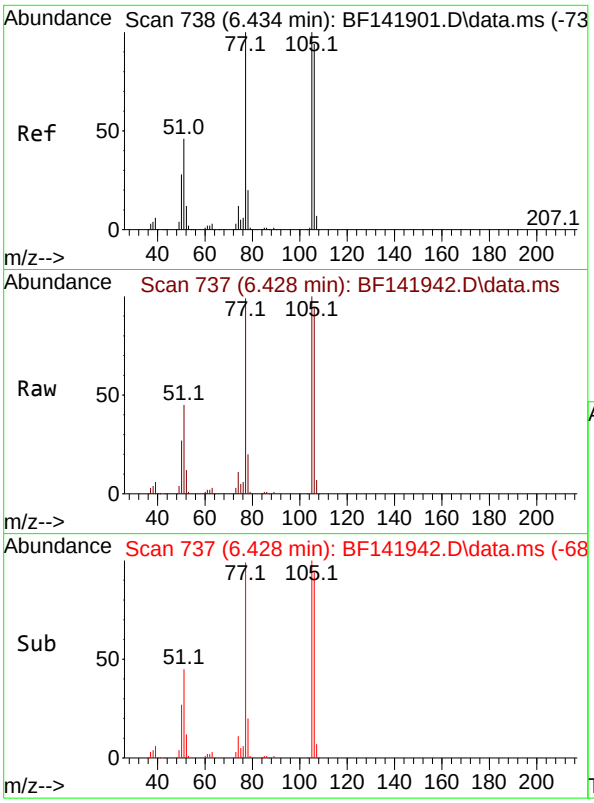



#8
2-Chlorophenol
Concen: 44.153 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:128 Resp: 523341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 130 | 32.9 | 12.8 | 52.8 |
| 64 | 43.3 | 24.4 | 64.4 |

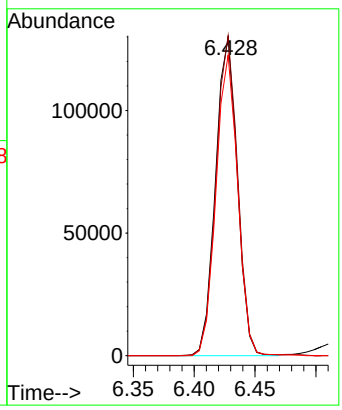





#9
Benzaldehyde
Concen: 21.195 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion: 77 Resp: 16129

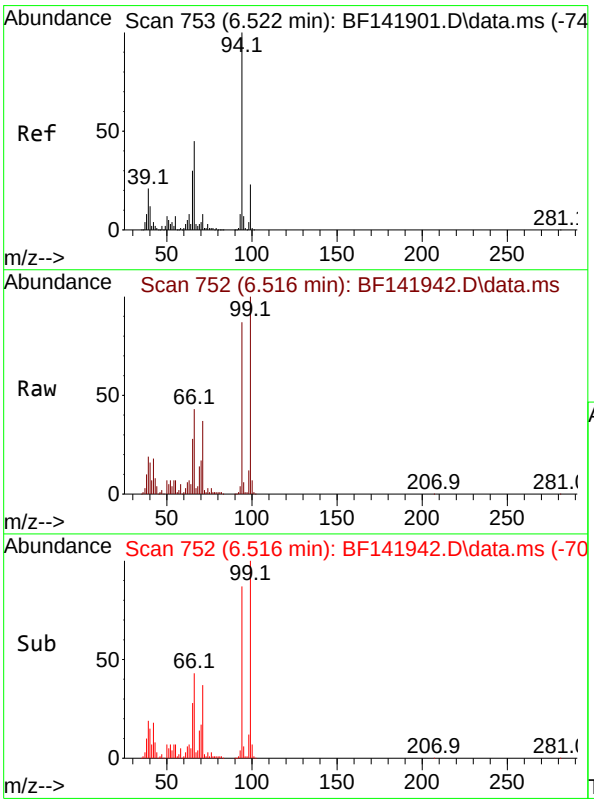
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 100.8 | 80.0 | 120.0 |
| 106 | 94.6 | 74.5 | 114.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

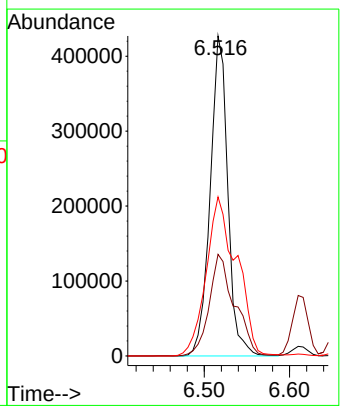
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

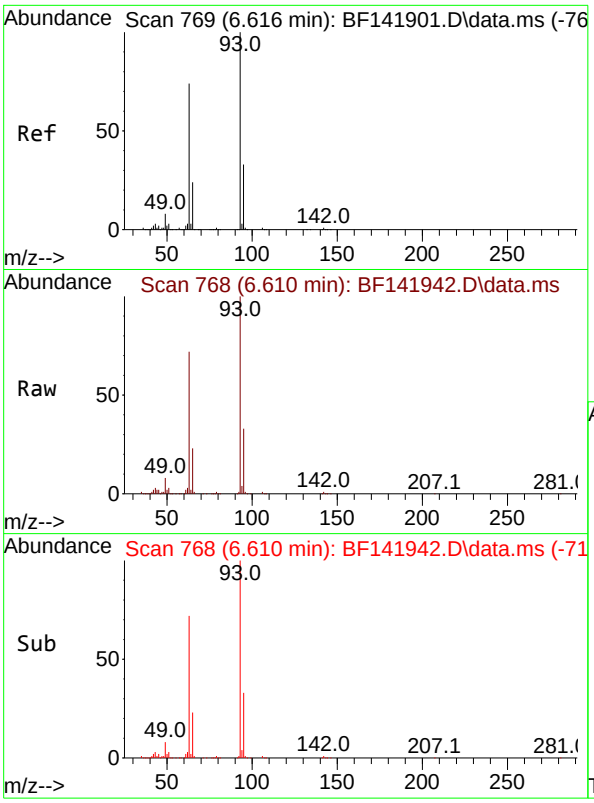



#10
Phenol
Concen: 42.950 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion: 94 Resp: 614836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 31.7 | 10.5 | 50.5 |
| 66 | 49.7 | 25.8 | 65.8 |

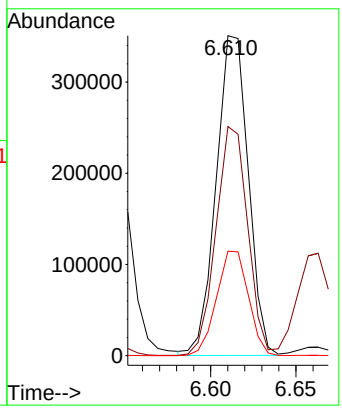





#11
bis(2-Chloroethyl)ether
Concen: 42.829 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion: 93 Resp: 46037

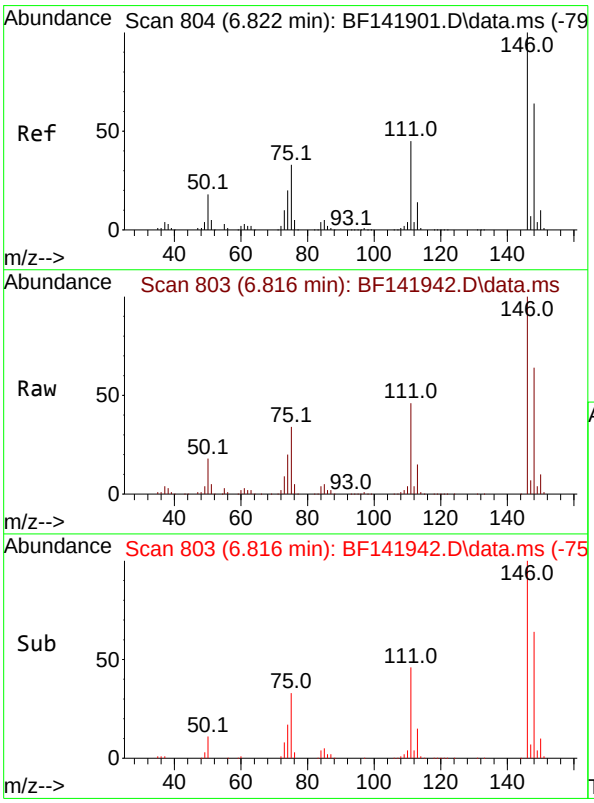
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 71.6 | 53.0 | 93.0 |
| 95 | 32.6 | 12.9 | 52.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

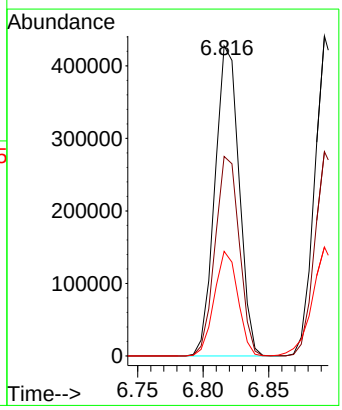
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

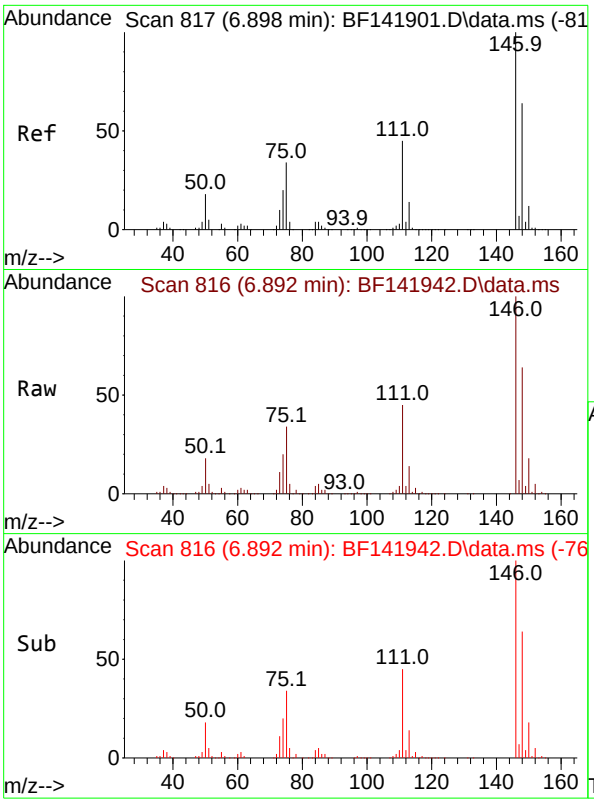



#12
1,3-Dichlorobenzene
Concen: 42.823 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:146 Resp: 547988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 64.3 | 51.3 | 76.9 |
| 75 | 33.8 | 26.6 | 40.0 |

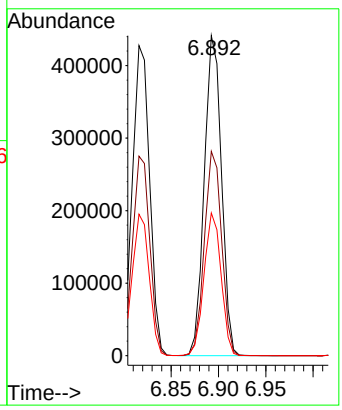





#13
1,4-Dichlorobenzene
Concen: 43.013 ng
RT: 6.892 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:146 Resp: 55691

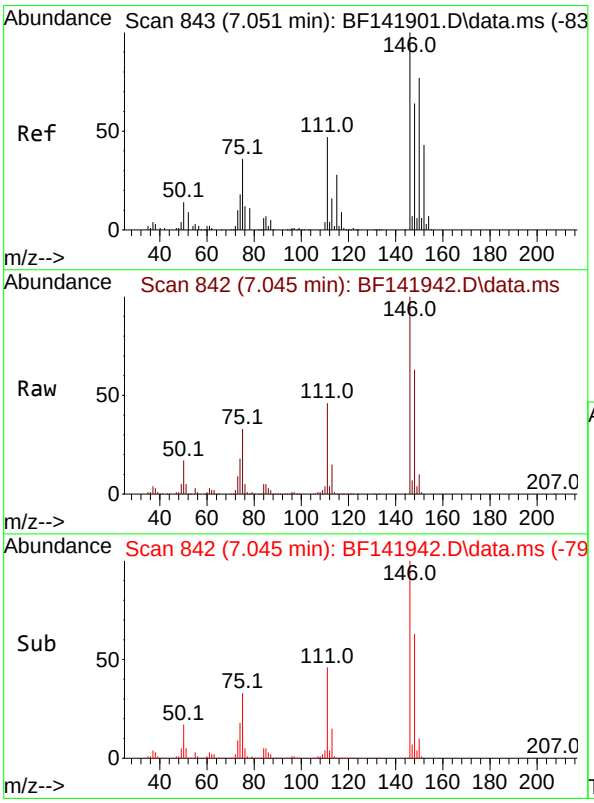
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.8 | 51.0 | 76.6 |
| 111 | 44.6 | 35.7 | 53.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

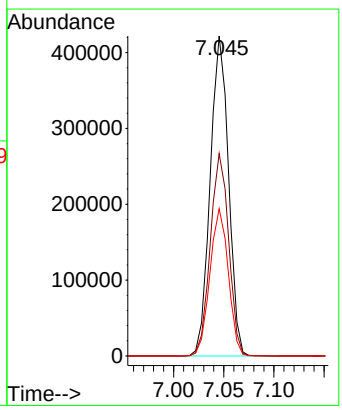
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

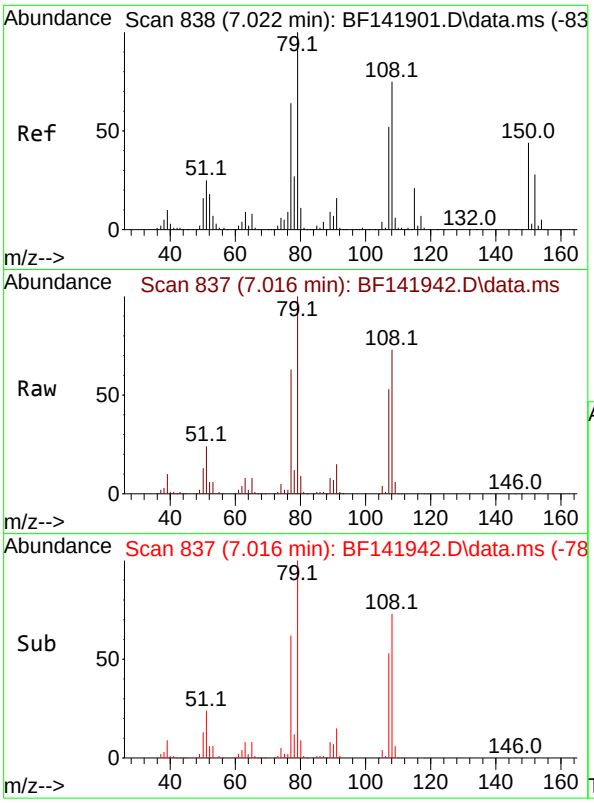



#14
1,2-Dichlorobenzene
Concen: 43.858 ng
RT: 7.045 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:146 Resp: 534852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.2 | 50.8 | 76.2 |
| 111 | 46.0 | 38.0 | 57.0 |






#15
Benzyl Alcohol
Concen: 42.842 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

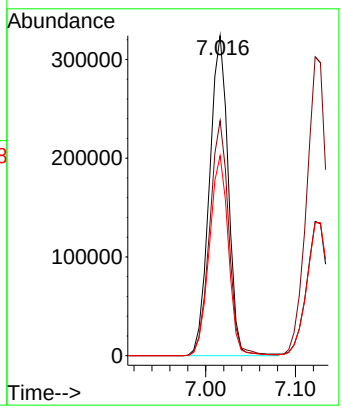
Tgt Ion: 79 Resp: 47129

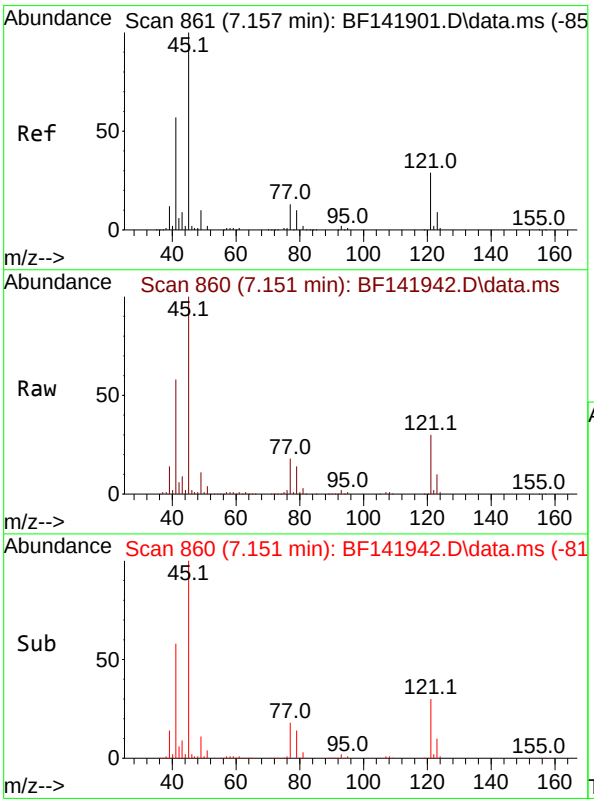
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 73.4 | 59.7 | 89.5 |
| 77 | 62.5 | 51.0 | 76.6 |

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
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Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

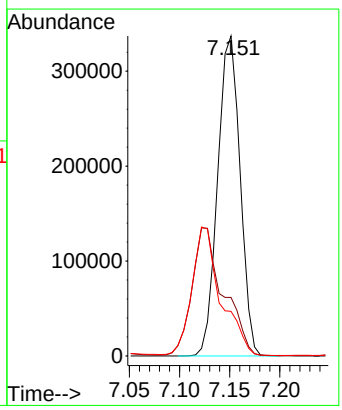


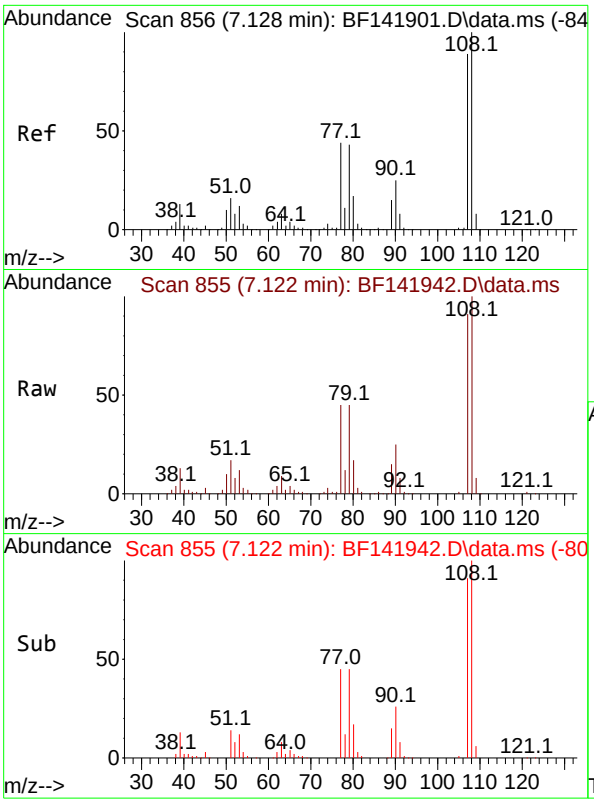




#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.357 ng
RT: 7.151 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion: 45 Resp: 523711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 77 | 18.3 | 0.0 | 37.8 |
| 79 | 14.0 | 0.0 | 34.2 |

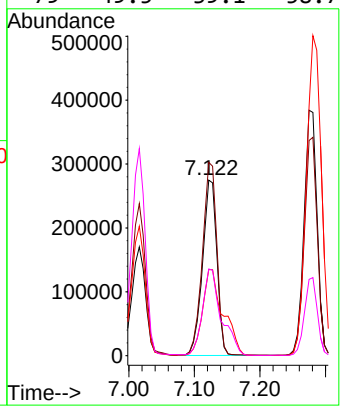





#17
2-Methylphenol
Concen: 44.510 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:107 Resp: 41947

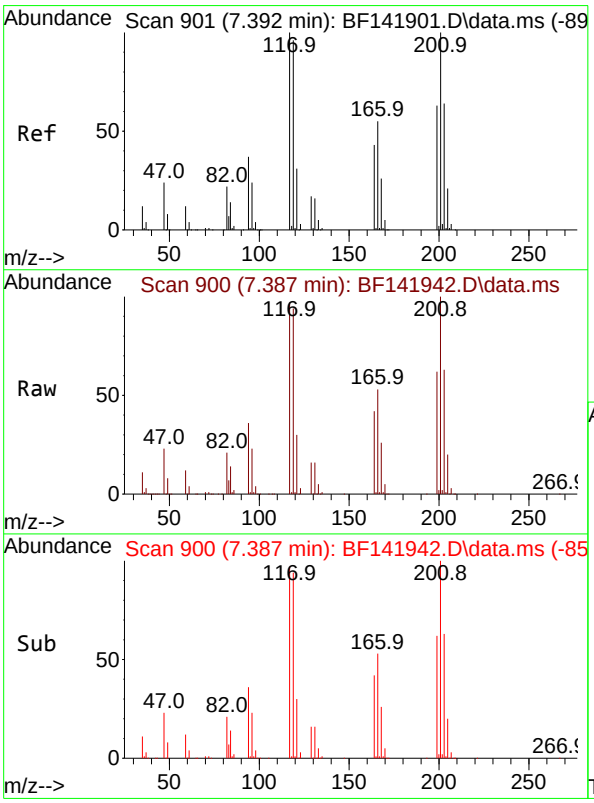
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 110.2 | 90.2 | 135.2 |
| 77 | 49.1 | 39.6 | 59.4 |
| 79 | 49.5 | 39.1 | 58.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

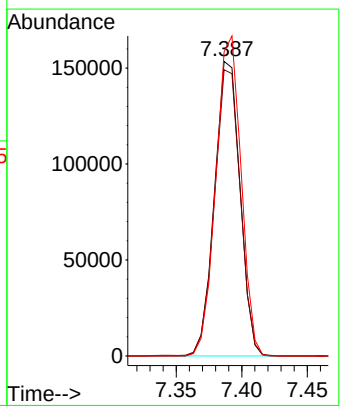
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

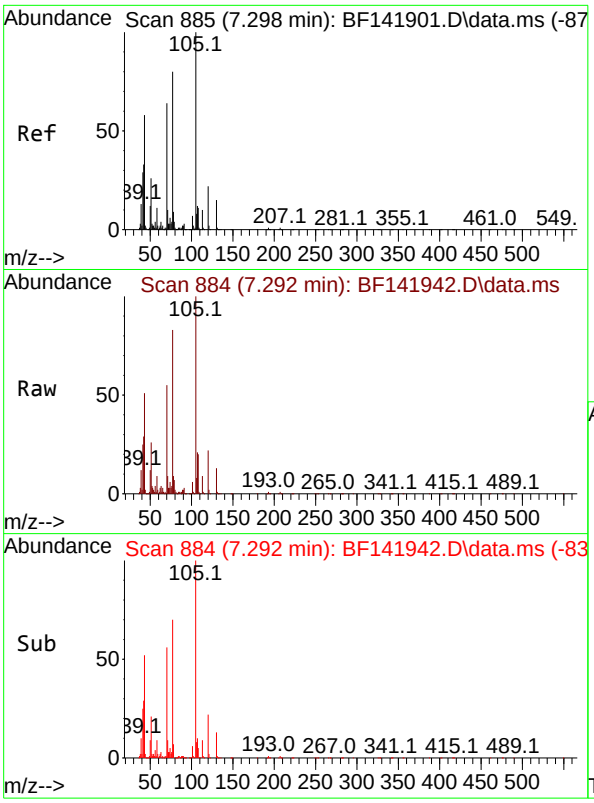



#18
Hexachloroethane
Concen: 42.748 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:117 Resp: 207547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.2 | 76.9 | 115.3 |
| 201 | 103.3 | 79.9 | 119.9 |

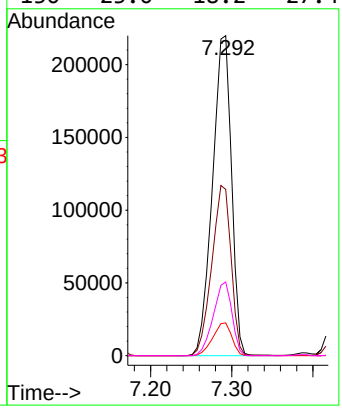





#19
n-Nitroso-di-n-propylamine
Concen: 40.995 ng
RT: 7.292 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion: 70 Resp: 35843

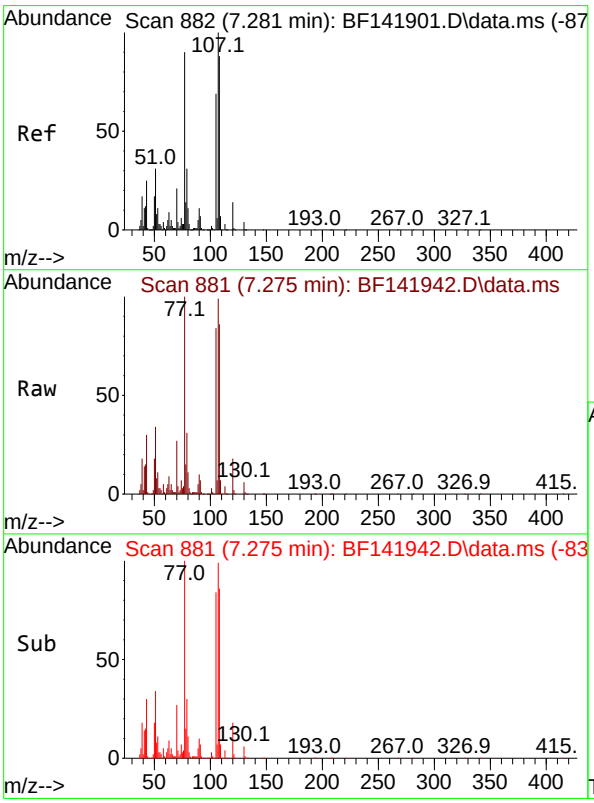
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 51.9 | 41.4 | 62.0 |
| 101 | 10.3 | 8.2 | 12.2 |
| 130 | 23.0 | 18.2 | 27.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

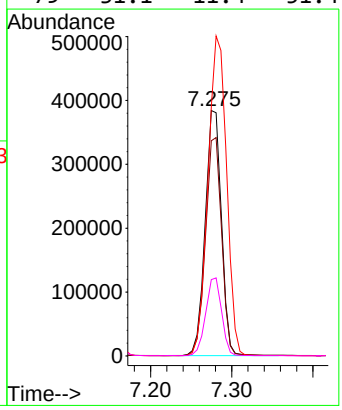
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

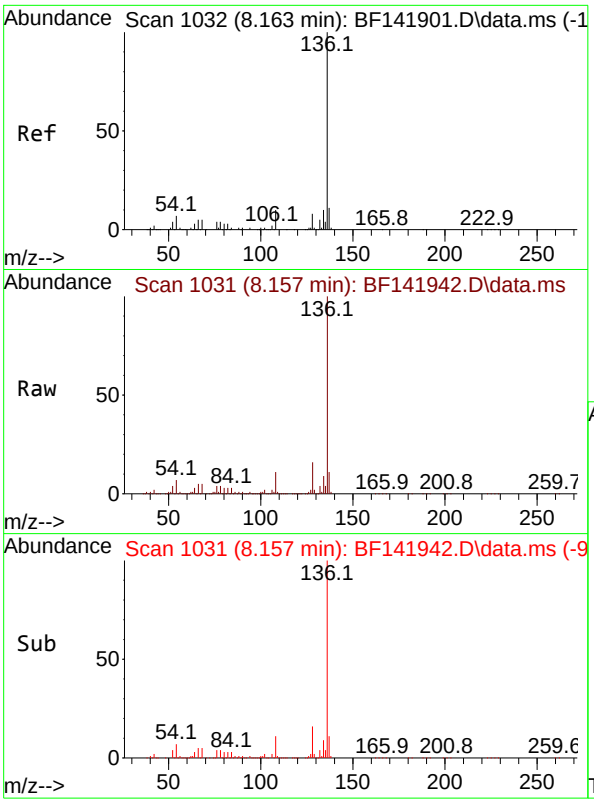



#20
3+4-Methylphenols
Concen: 44.013 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:107 Resp: 531297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 87.6 | 68.4 | 108.4 |
| 77 | 101.5 | 69.7 | 109.7 |
| 79 | 31.1 | 11.4 | 51.4 |

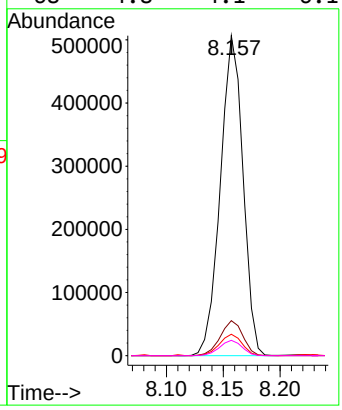





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:136 Resp: 70240

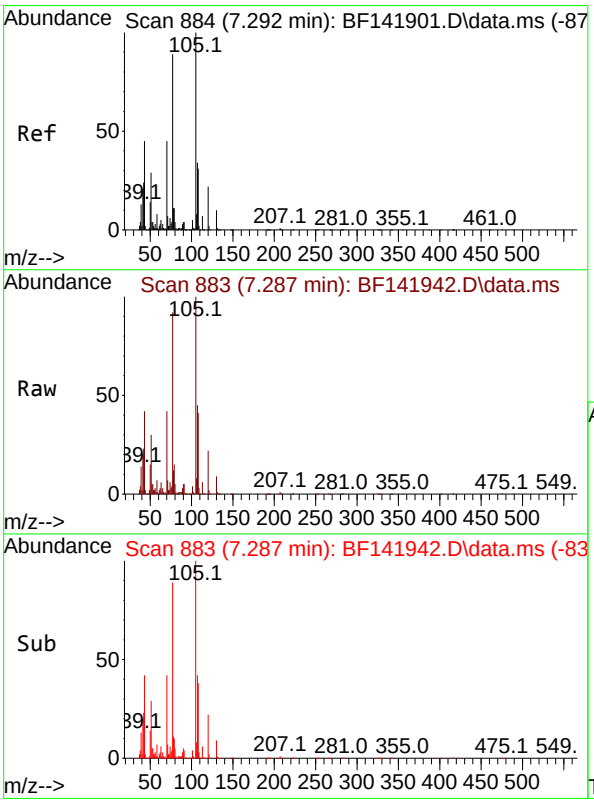
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.8 | 13.2 |
| 54 | 6.7 | 5.8 | 8.8 |
| 68 | 4.8 | 4.1 | 6.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
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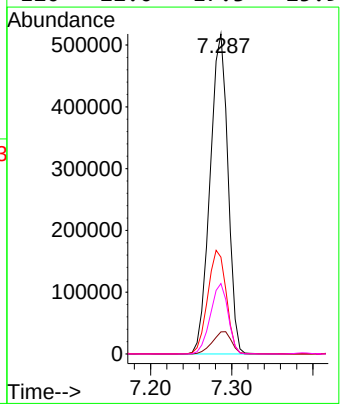
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

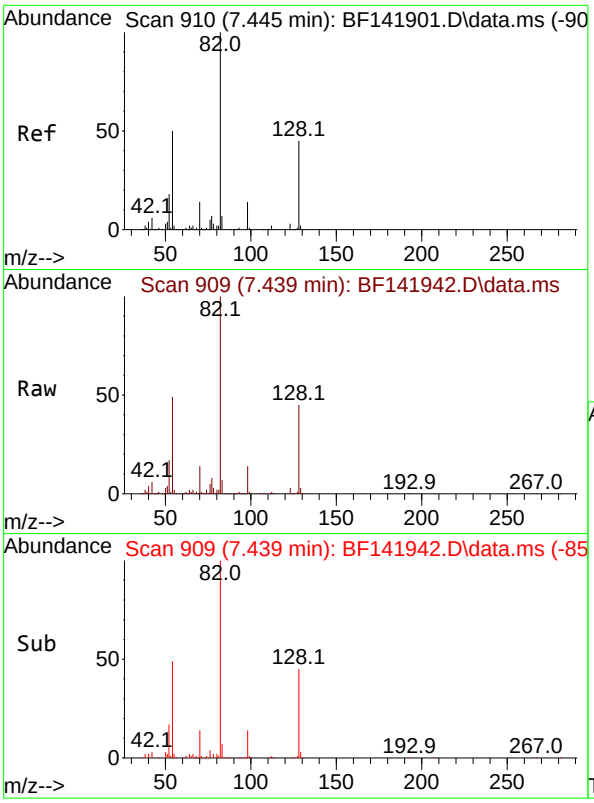



#22
Acetophenone
Concen: 47.151 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:105 Resp: 793124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 6.9 | 5.8 | 8.8 |
| 51 | 30.3 | 23.4 | 35.0 |
| 120 | 22.0 | 17.3 | 25.9 |






#23
Nitrobenzene-d5
Concen: 93.200 ng
RT: 7.439 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

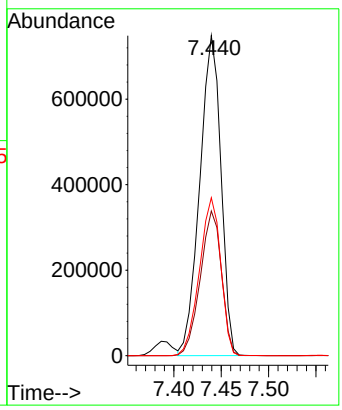
Tgt Ion: 82 Resp: 116326

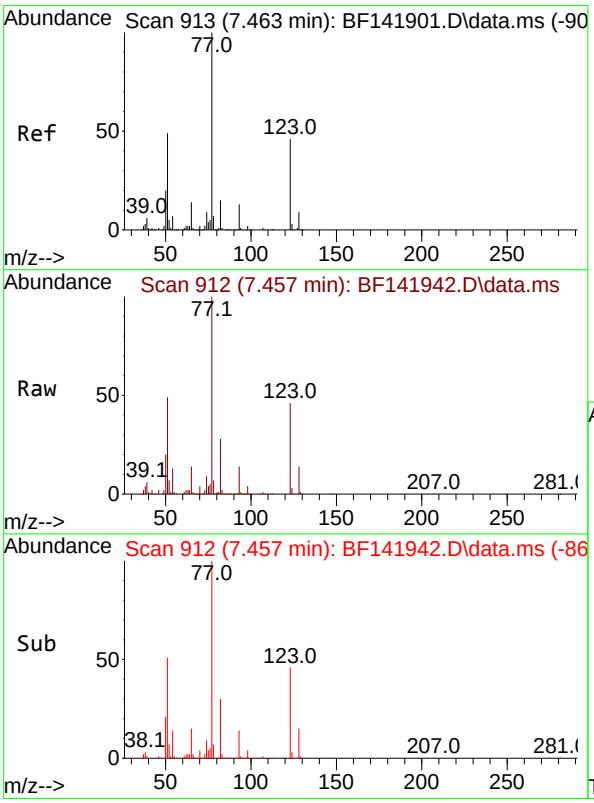
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.2 | 36.0 | 54.0 |
| 54 | 49.4 | 39.6 | 59.4 |

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
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Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

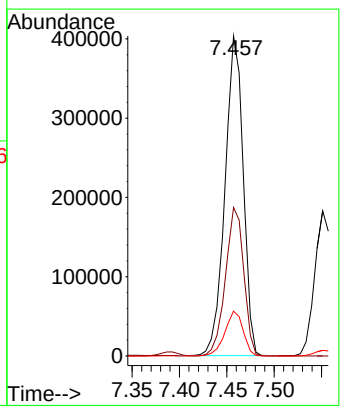


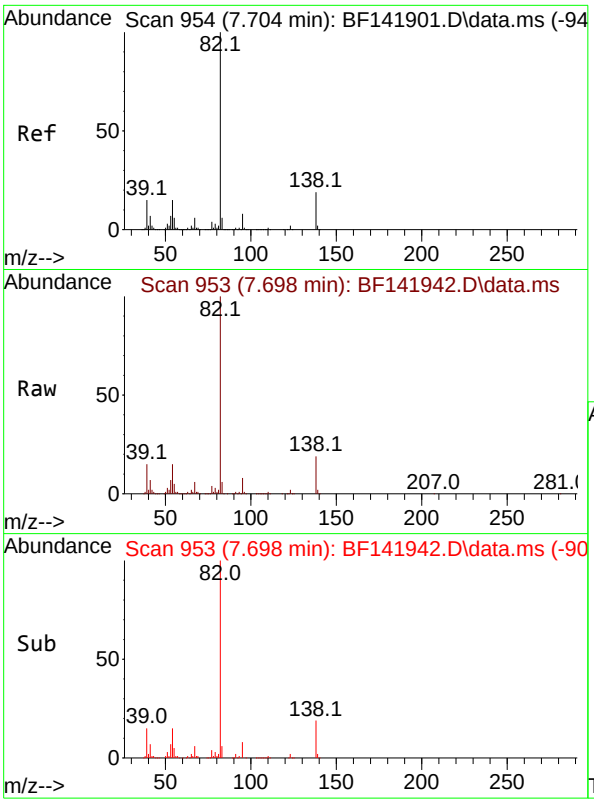




#24
Nitrobenzene
Concen: 43.637 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion: 77 Resp: 541451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 46.4 | 37.0 | 55.4 |
| 65 | 14.0 | 11.3 | 16.9 |

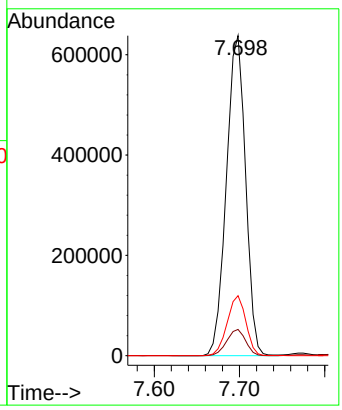





#25
Isophorone
Concen: 45.232 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion: 82 Resp: 99795

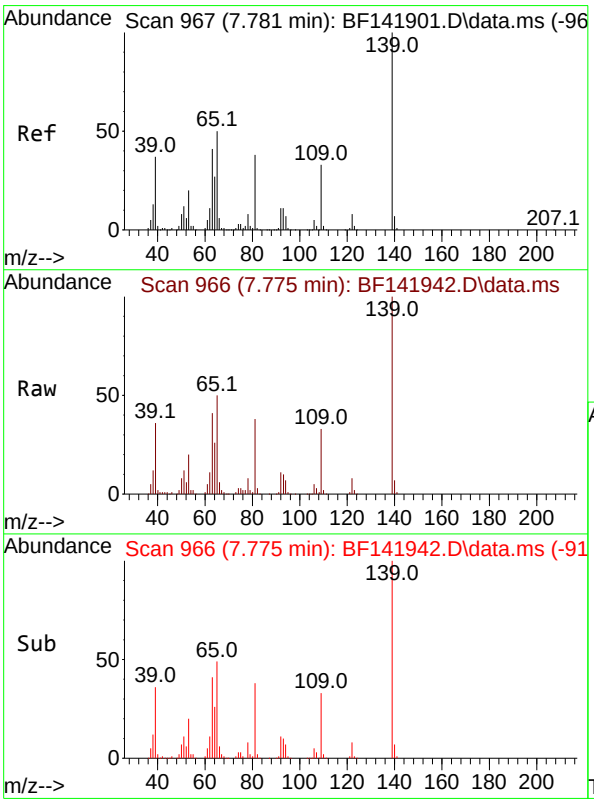
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.2 | 6.4 | 9.6 |
| 138 | 18.8 | 14.9 | 22.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

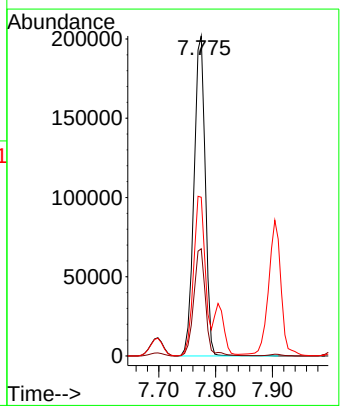
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

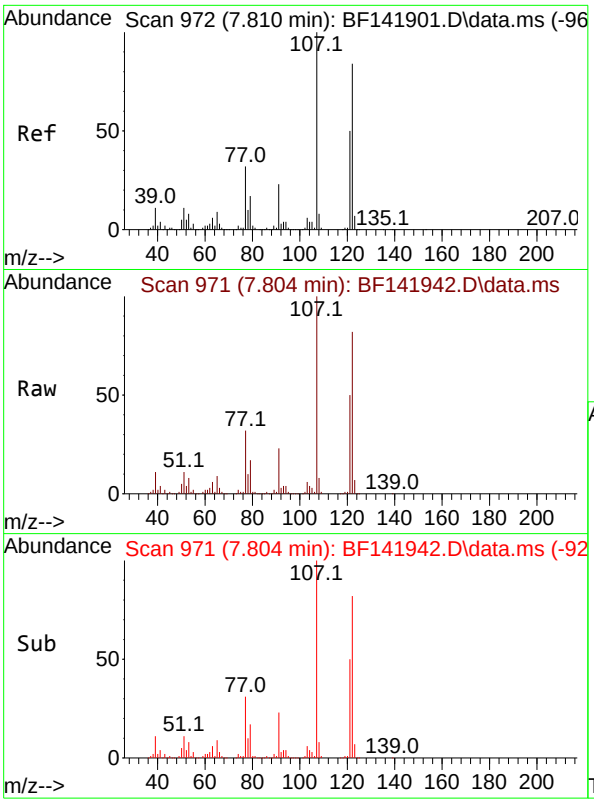



#26
2-Nitrophenol
Concen: 45.898 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:139 Resp: 279514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 33.5 | 26.5 | 39.7 |
| 65 | 49.6 | 40.3 | 60.5 |

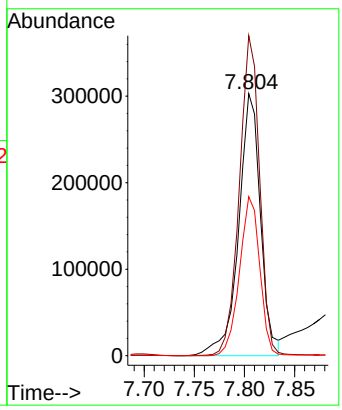





#27
2,4-Dimethylphenol
Concen: 54.809 ng
RT: 7.804 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:122 Resp: 45959

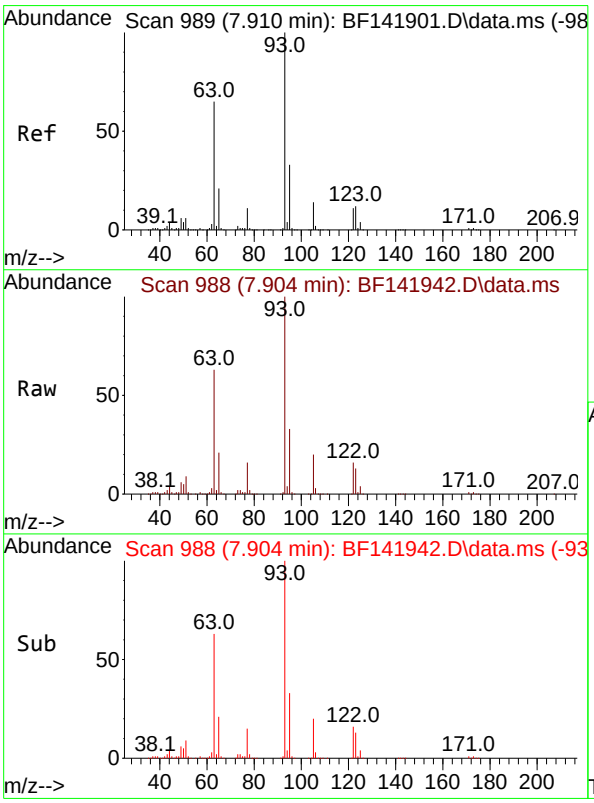
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 122.1 | 94.8 | 142.2 |
| 121 | 60.7 | 47.8 | 71.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

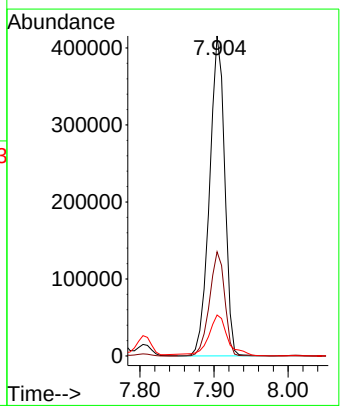
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

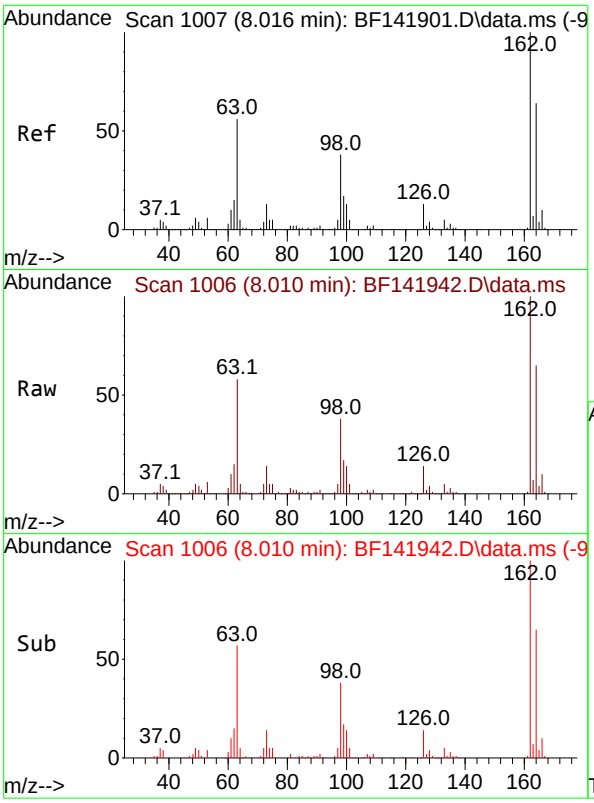



#28
bis(2-Chloroethoxy)methane
Concen: 42.665 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion: 93 Resp: 590404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 32.6 | 26.6 | 40.0 |
| 123 | 12.8 | 10.2 | 15.4 |

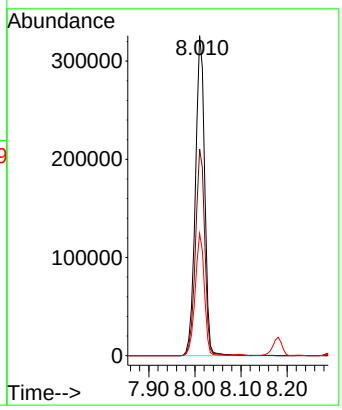





#29
2,4-Dichlorophenol
Concen: 43.797 ng
RT: 8.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:162 Resp: 45585

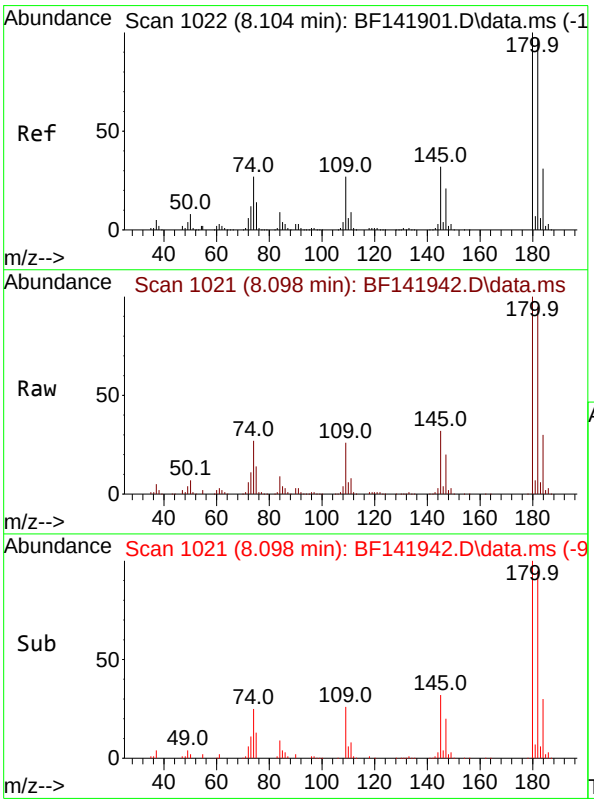
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.6 | 43.8 | 83.8 |
| 98 | 38.2 | 18.1 | 58.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

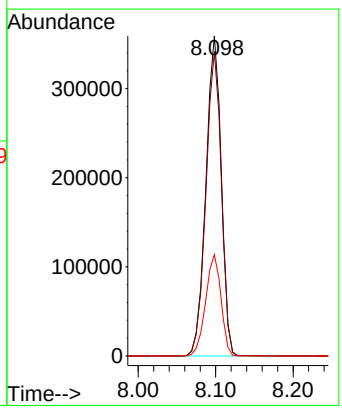
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

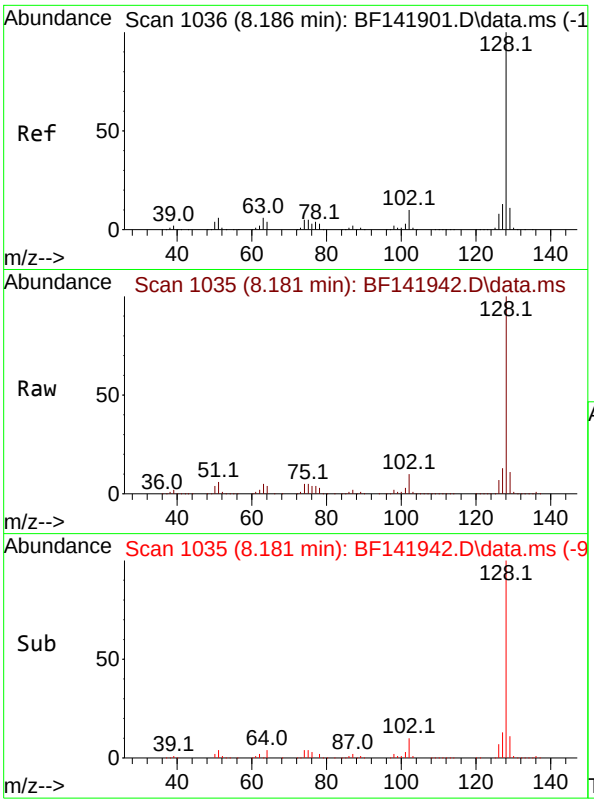



#30
1,2,4-Trichlorobenzene
Concen: 43.176 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:180 Resp: 495238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.1 | 77.5 | 116.3 |
| 145 | 31.6 | 25.8 | 38.6 |






#31
Naphthalene
Concen: 42.138 ng
RT: 8.181 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

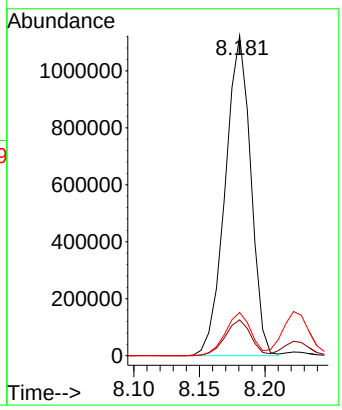
Tgt Ion:128 Resp: 152040(

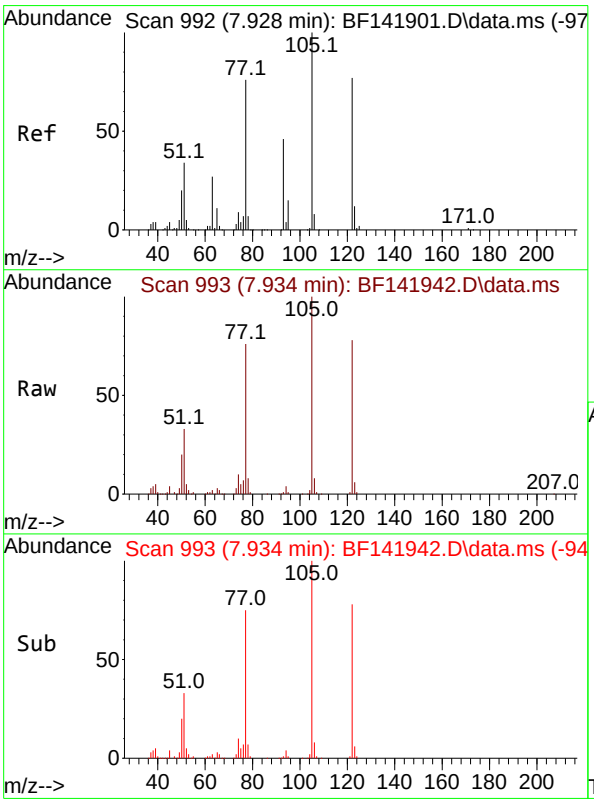
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 9.0 | 13.6 |
| 127 | 13.5 | 10.8 | 16.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

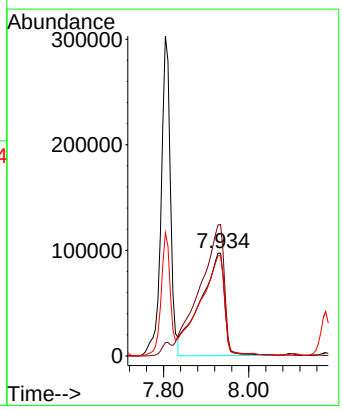


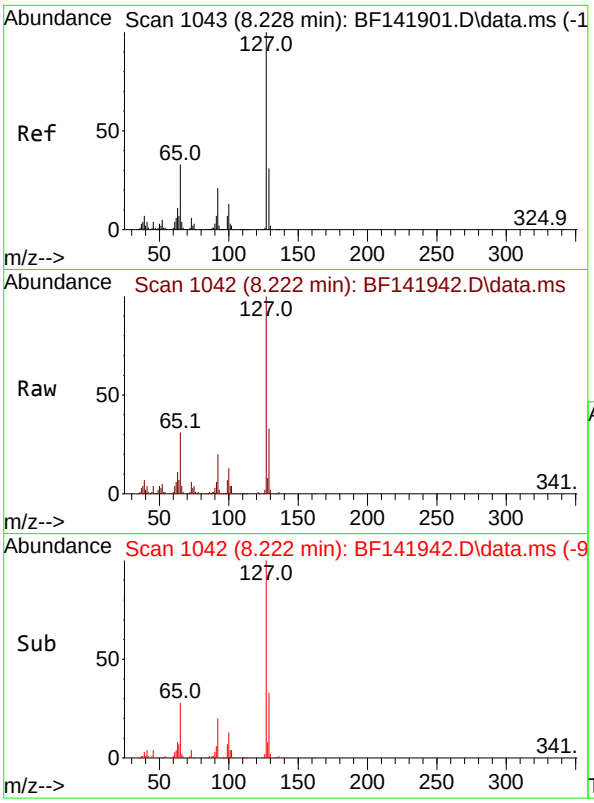




#32
Benzoic acid
Concen: 52.090 ng
RT: 7.934 min Scan# 993
Delta R.T. 0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:122 Resp: 383964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 128.0 | 107.9 | 147.9 |
| 77 | 97.8 | 79.0 | 119.0 |

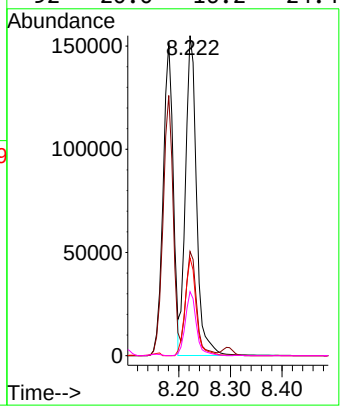





#33
4-Chloroaniline
Concen: 18.162 ng
RT: 8.222 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:127 Resp: 23132

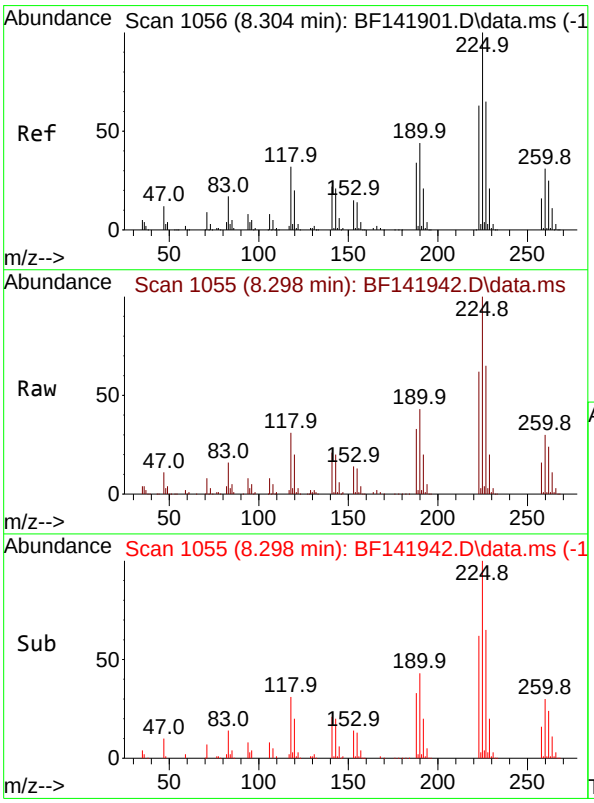
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.6 | 26.2 | 39.4 |
| 65 | 30.5 | 25.4 | 38.2 |
| 92 | 20.0 | 16.2 | 24.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

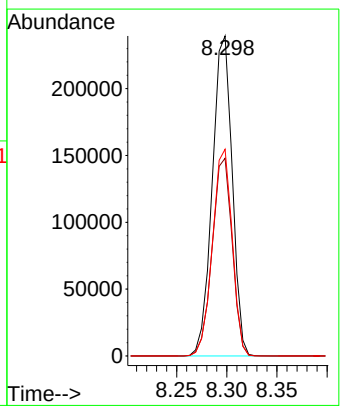
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

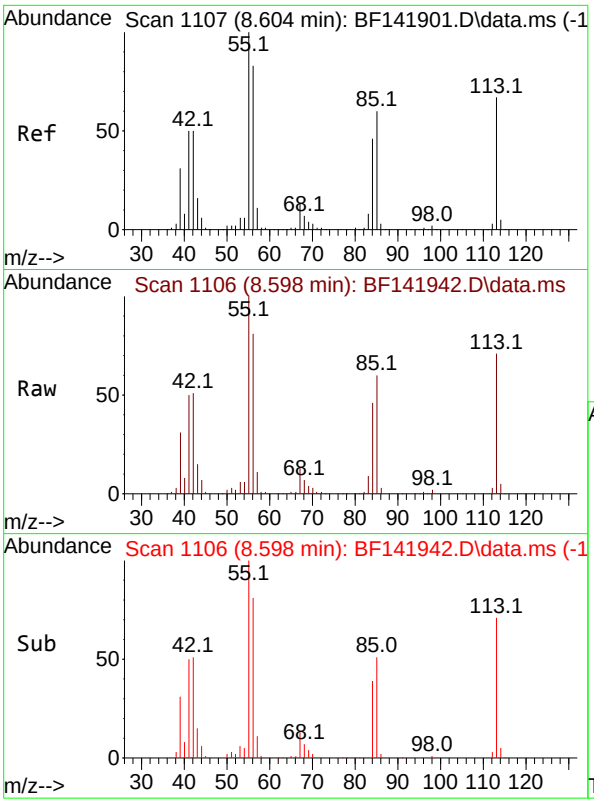



#34
Hexachlorobutadiene
Concen: 44.109 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:225 Resp: 329952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.8 | 50.6 | 75.8 |
| 227 | 64.6 | 52.2 | 78.2 |

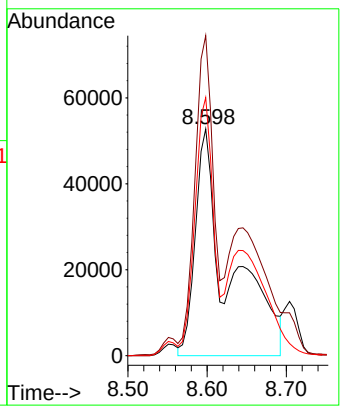





#35
Caprolactam
Concen: 48.870 ng m
RT: 8.598 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:113 Resp: 15507

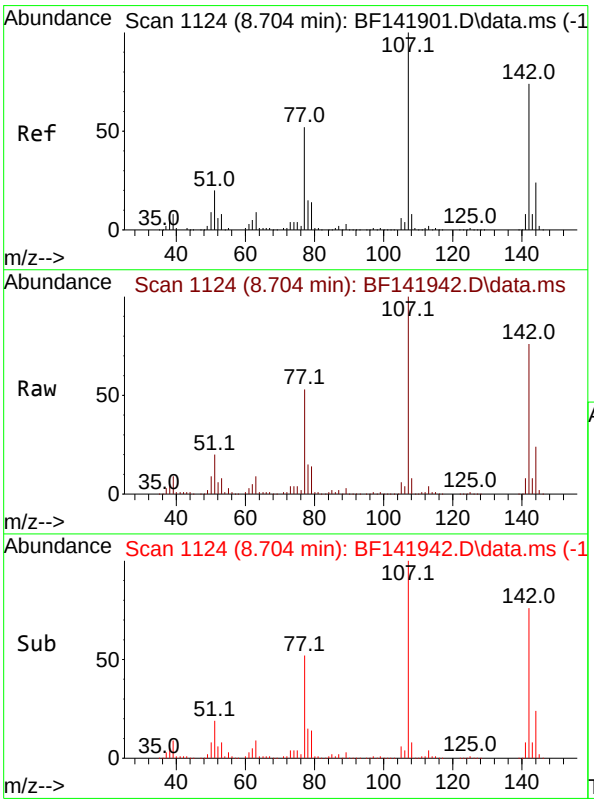
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 141.1 | 129.6 | 169.6 |
| 56 | 113.8 | 104.0 | 144.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

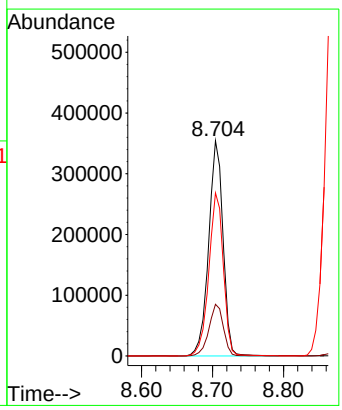
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

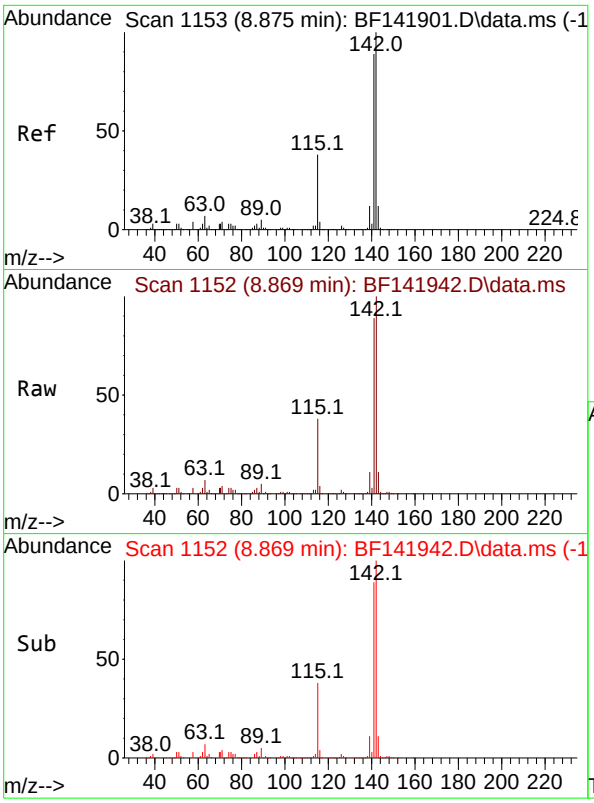



#36
4-Chloro-3-methylphenol
Concen: 43.084 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:107 Resp: 500230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.1 | 19.0 | 28.6 |
| 142 | 75.8 | 59.2 | 88.8 |

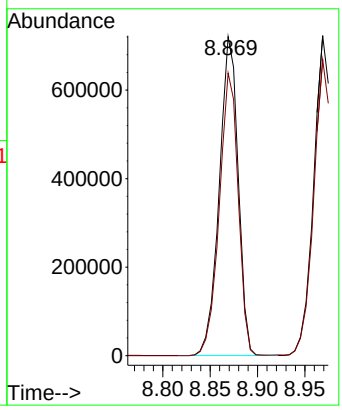





#37
2-Methylnaphthalene
Concen: 41.506 ng
RT: 8.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:142 Resp: 100100

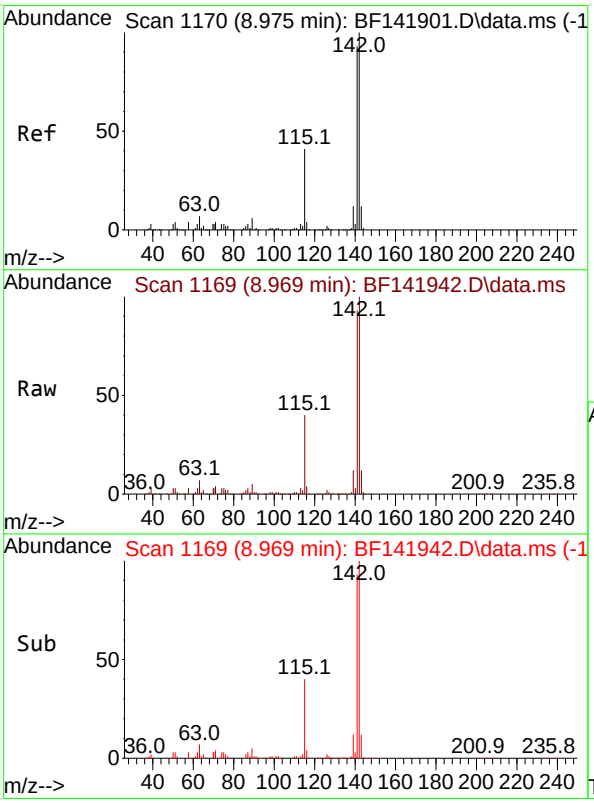
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.7 | 71.2 | 106.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

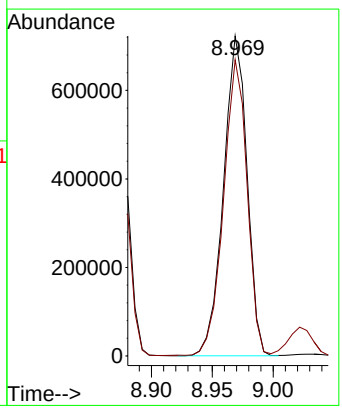
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

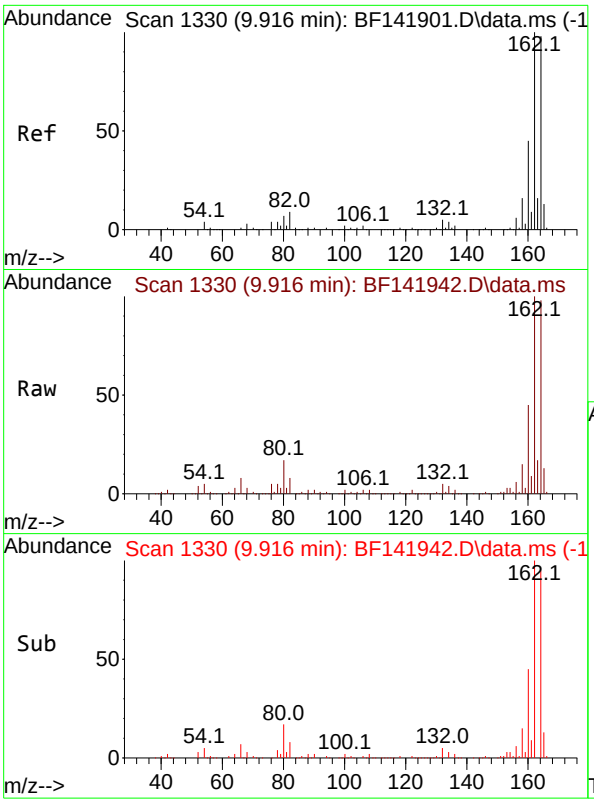



#38
1-Methylnaphthalene
Concen: 41.853 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:142 Resp: 974037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.5 | 74.2 | 111.4 |

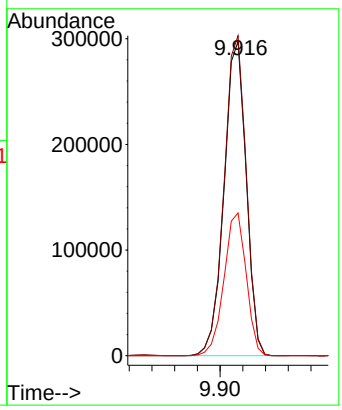





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:164 Resp: 401749

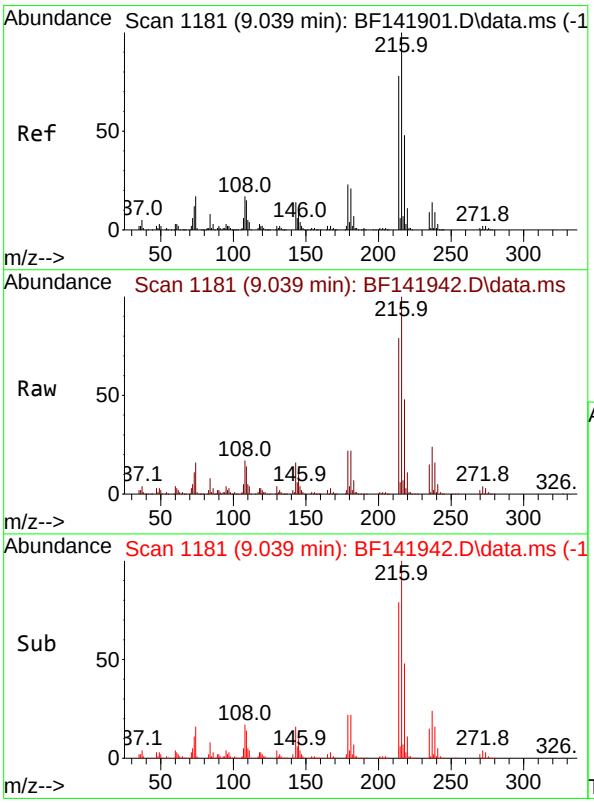
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.8 | 81.8 | 122.6 |
| 160 | 45.4 | 36.7 | 55.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

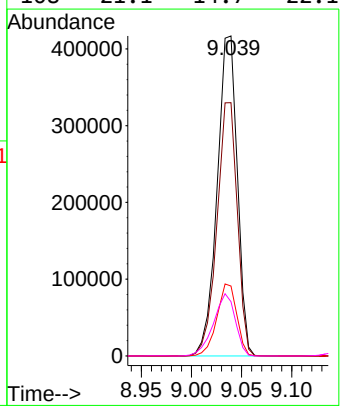
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

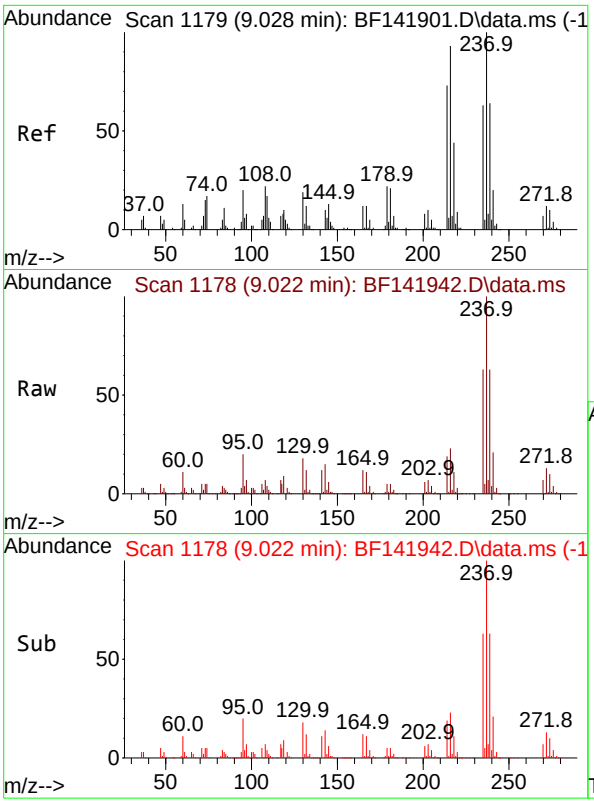



#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.688 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:216 Resp: 583297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 79.7 | 61.9 | 92.9 |
| 179 | 22.2 | 18.1 | 27.1 |
| 108 | 21.1 | 14.7 | 22.1 |






#41
Hexachlorocyclopentadiene
Concen: 164.521 ng
RT: 9.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

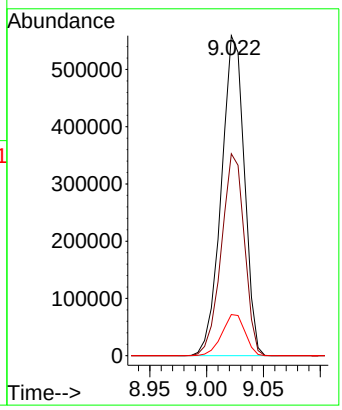
**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

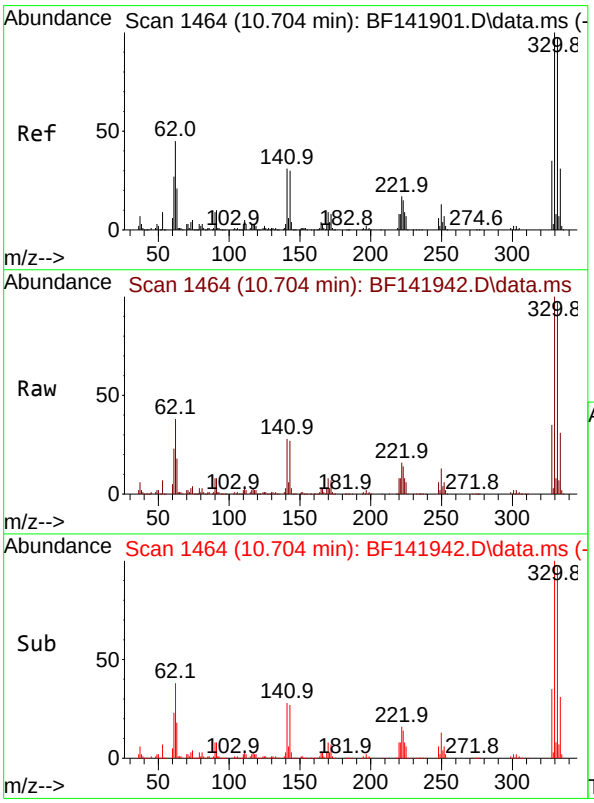
Tgt Ion:237 Resp: 78755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 63.1 | 43.1 | 83.1 |
| 272 | 12.9 | 0.0 | 32.0 |

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

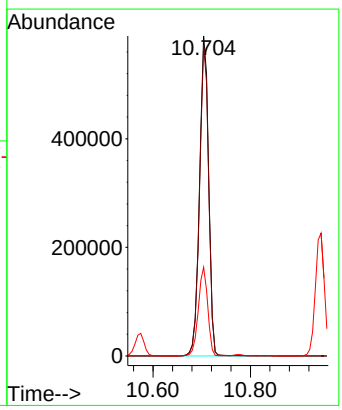


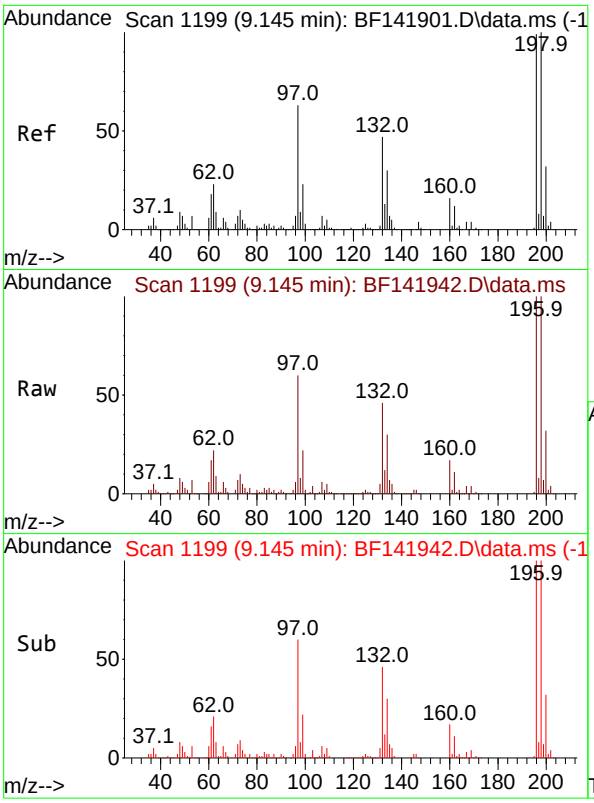




#42
2,4,6-Tribromophenol
Concen: 151.406 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:330 Resp: 771672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.0 | 77.6 | 116.4 |
| 141 | 28.4 | 24.7 | 37.1 |

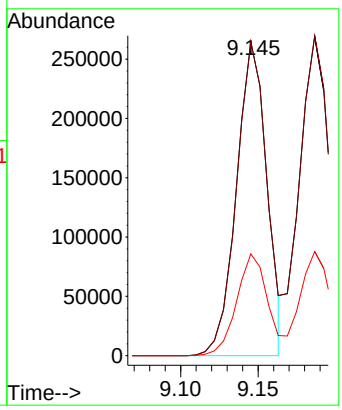





#43
2,4,6-Trichlorophenol
Concen: 45.123 ng
RT: 9.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:196 Resp: 36070

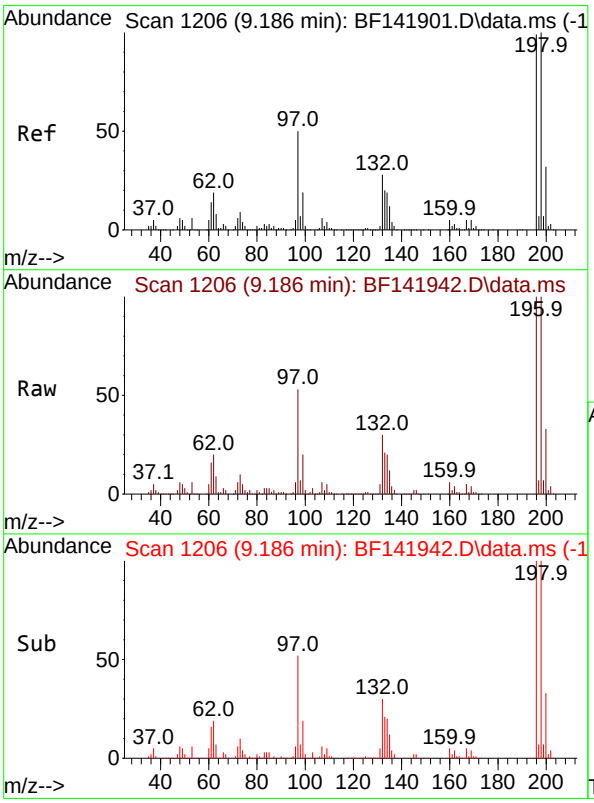
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 99.8 | 80.6 | 121.0 |
| 200 | 32.4 | 25.8 | 38.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

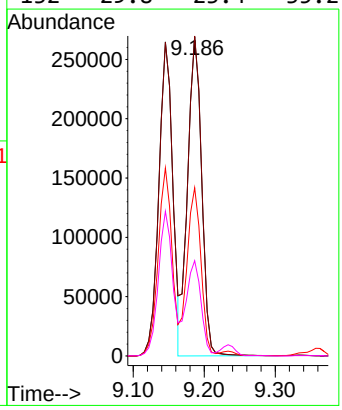
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

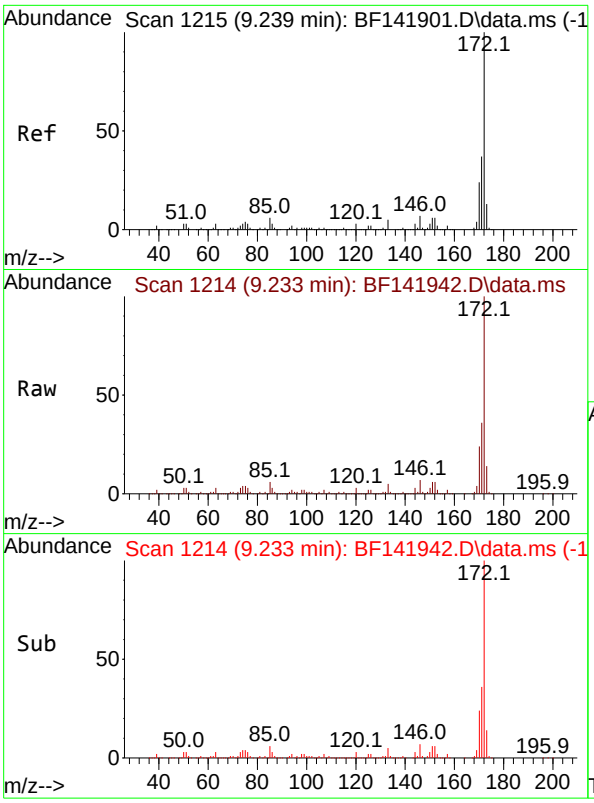



#44
2,4,5-Trichlorophenol
Concen: 45.703 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:196 Resp: 370018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 196 | 100 | | |
| 198 | 100.3 | 80.7 | 121.1 |
| 97 | 52.7 | 42.1 | 63.1 |
| 132 | 29.8 | 23.4 | 35.2 |

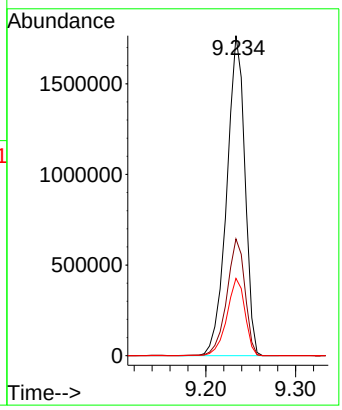





#45
2-Fluorobiphenyl
Concen: 93.823 ng
RT: 9.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:172 Resp: 247850

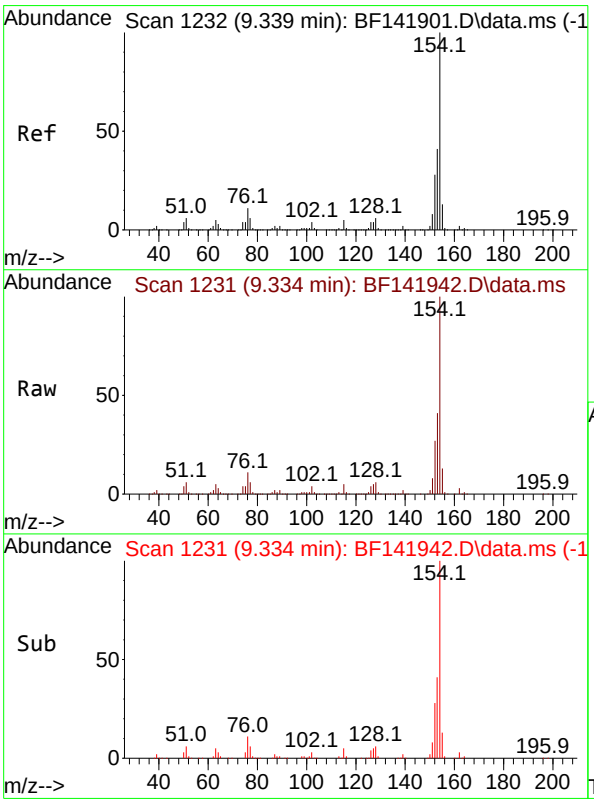
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.5 | 29.3 | 43.9 |
| 170 | 24.2 | 19.4 | 29.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
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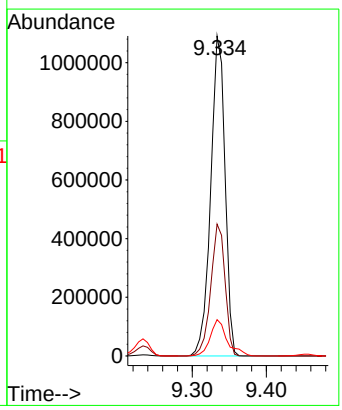
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

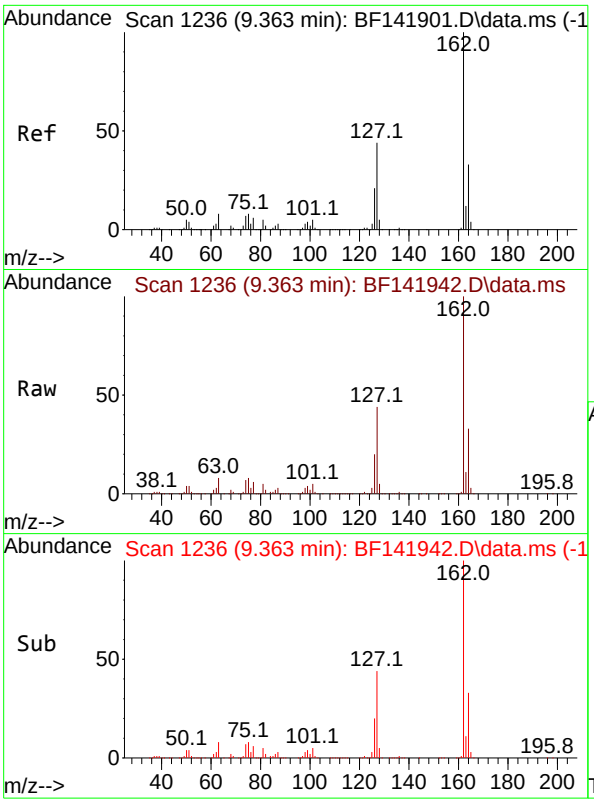



#46
1,1'-Biphenyl
Concen: 47.967 ng
RT: 9.334 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:154 Resp: 1464225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 41.2 | 21.1 | 61.1 |
| 76 | 11.3 | 0.0 | 31.3 |

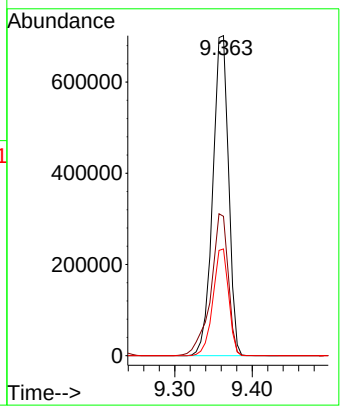





#47
2-Chloronaphthalene
Concen: 43.696 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:162 Resp: 99417

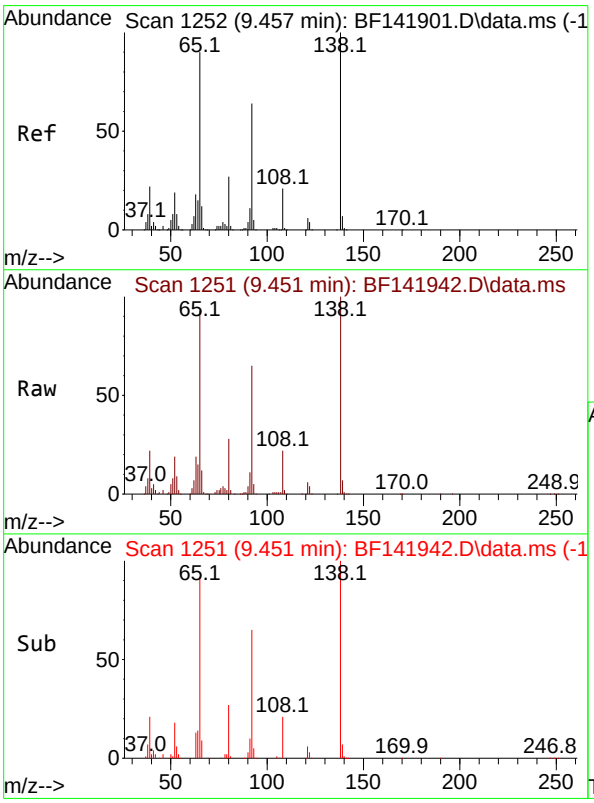
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 127 | 43.6 | 35.5 | 53.3 |
| 164 | 33.4 | 26.6 | 40.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

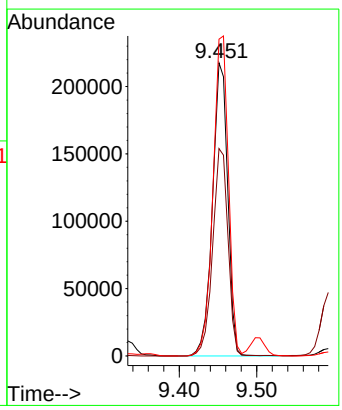
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

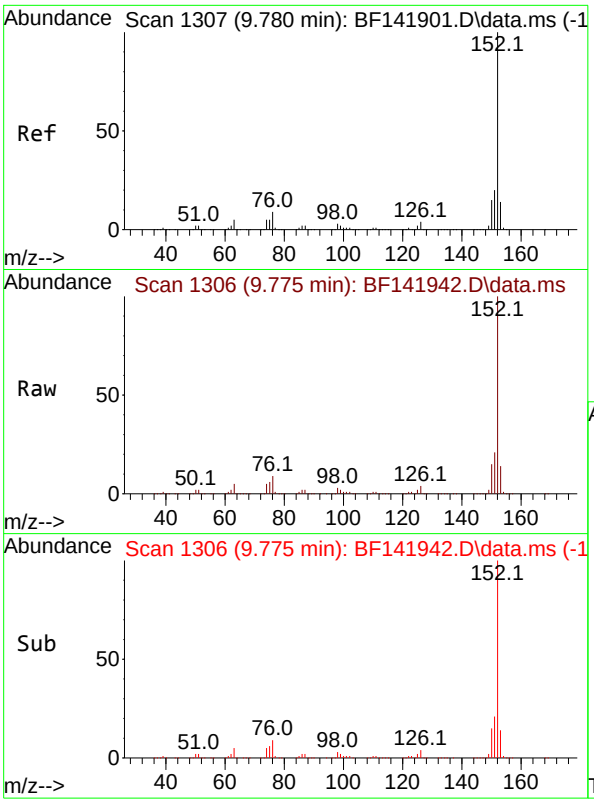



#48
2-Nitroaniline
Concen: 45.243 ng
RT: 9.451 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion: 65 Resp: 298045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 70.7 | 56.6 | 84.8 |
| 138 | 108.1 | 88.6 | 133.0 |

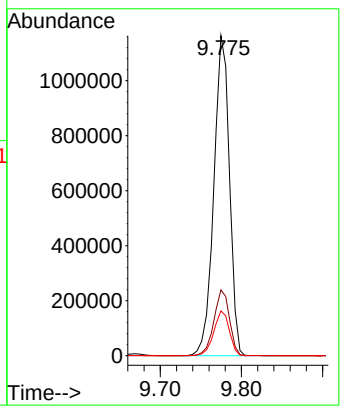





#49
Acenaphthylene
Concen: 46.120 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:152 Resp: 155716

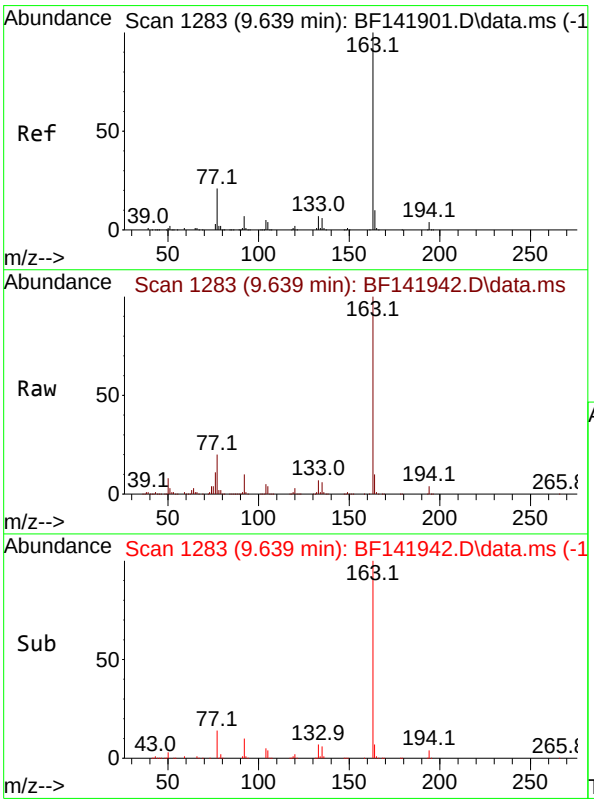
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.5 | 16.3 | 24.5 |
| 153 | 14.0 | 11.1 | 16.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

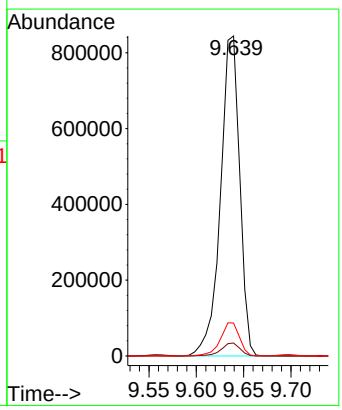
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

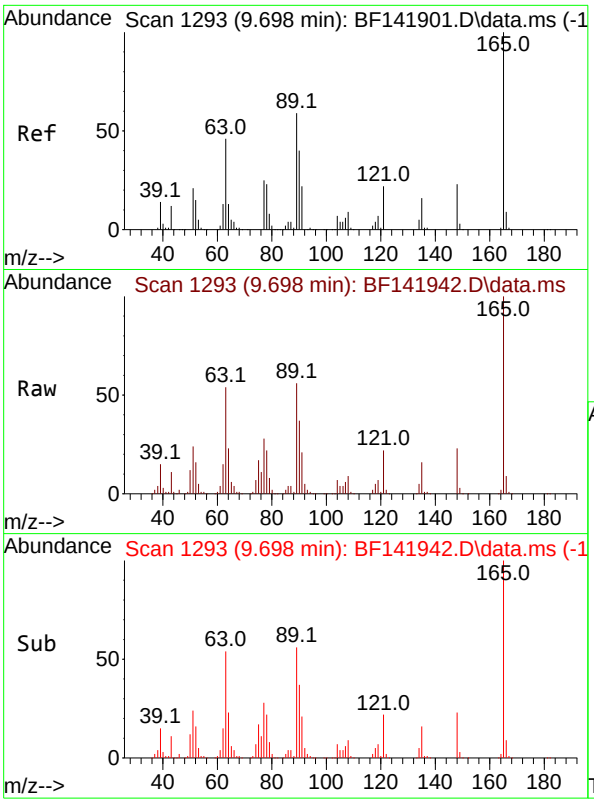



#50
Dimethylphthalate
Concen: 42.463 ng
RT: 9.639 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:163 Resp: 1194632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.1 | 4.7 |
| 164 | 10.3 | 8.2 | 12.4 |

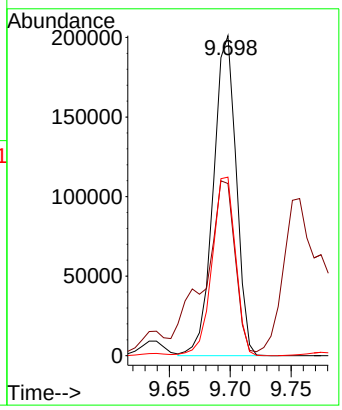





#51
2,6-Dinitrotoluene
Concen: 44.989 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:165 Resp: 26352

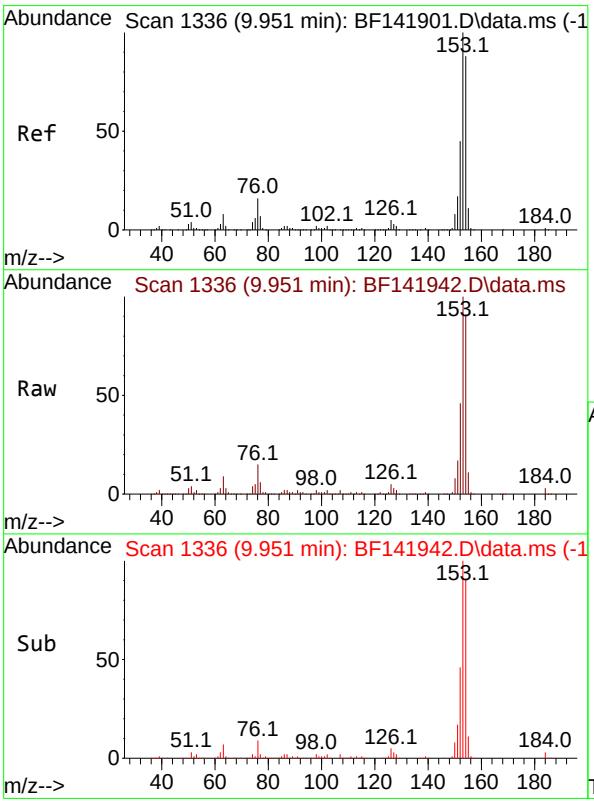
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 53.8 | 47.0 | 70.4 |
| 89 | 55.8 | 47.4 | 71.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

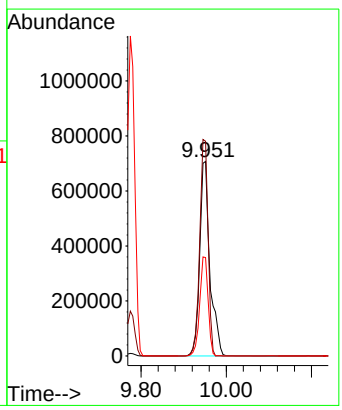
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

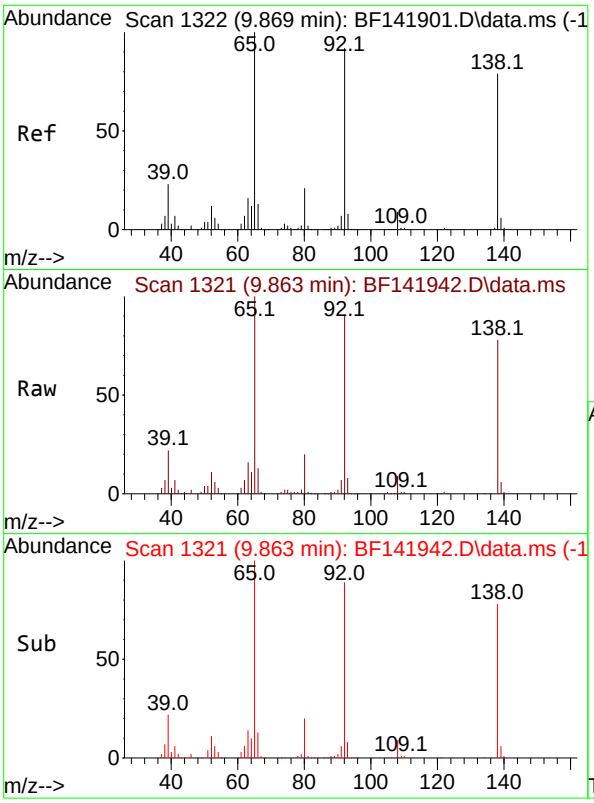



#52
Acenaphthene
Concen: 49.639 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:154 Resp: 1177793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 110.4 | 90.7 | 136.1 |
| 152 | 50.6 | 41.1 | 61.7 |






#53
3-Nitroaniline
Concen: 26.841 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

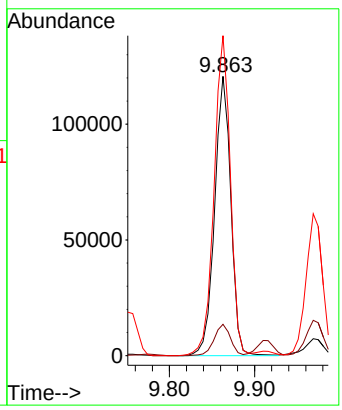
Tgt Ion:138 Resp: 15948

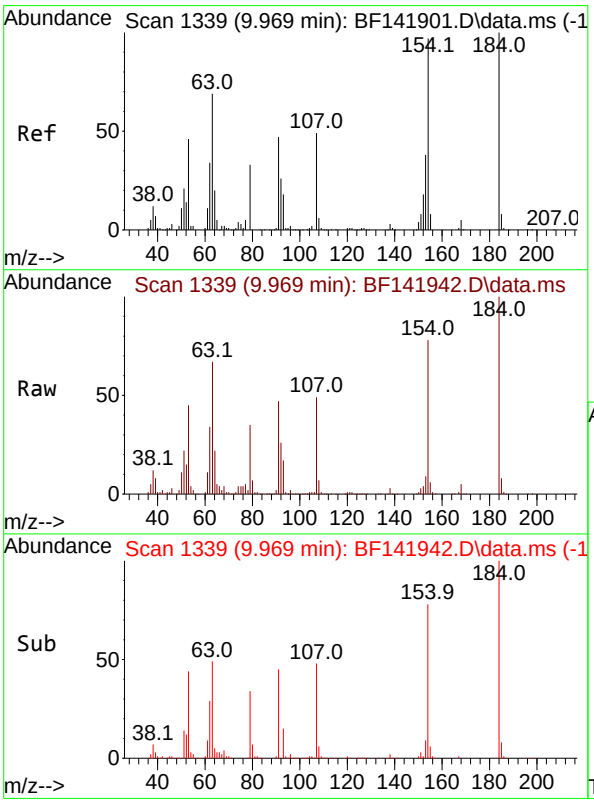
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 11.2 | 9.3 | 13.9 |
| 92 | 114.6 | 93.5 | 140.3 |

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
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Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

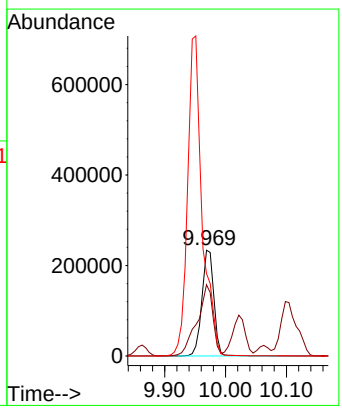


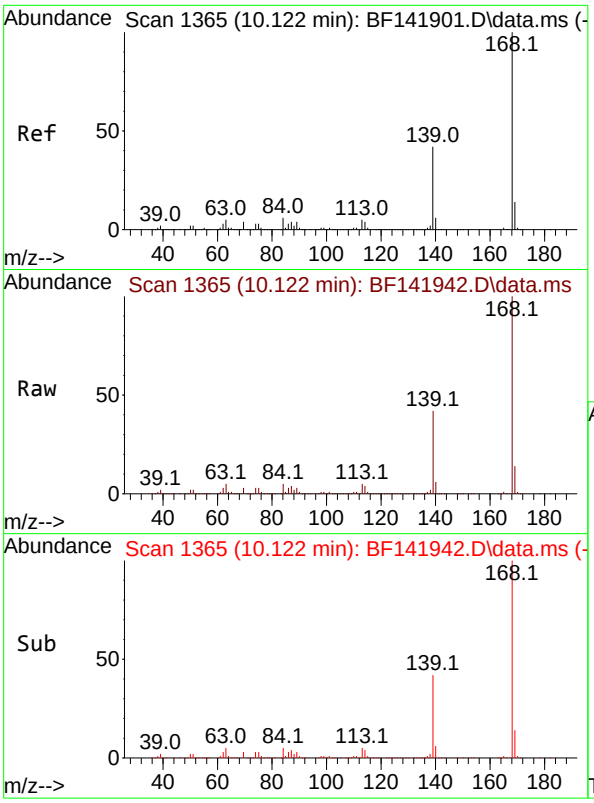




#54
2,4-Dinitrophenol
Concen: 94.980 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:184 Resp: 320573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 67.3 | 60.2 | 90.4 |
| 154 | 77.9 | 132.9 | 199.3# |

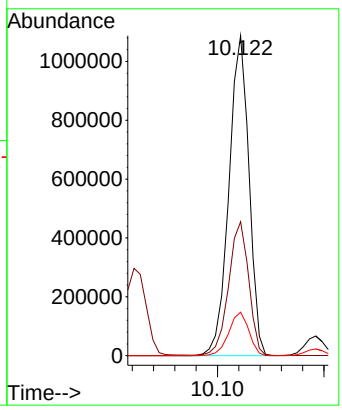





#55
Dibenzofuran
Concen: 42.011 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:168 Resp: 142432

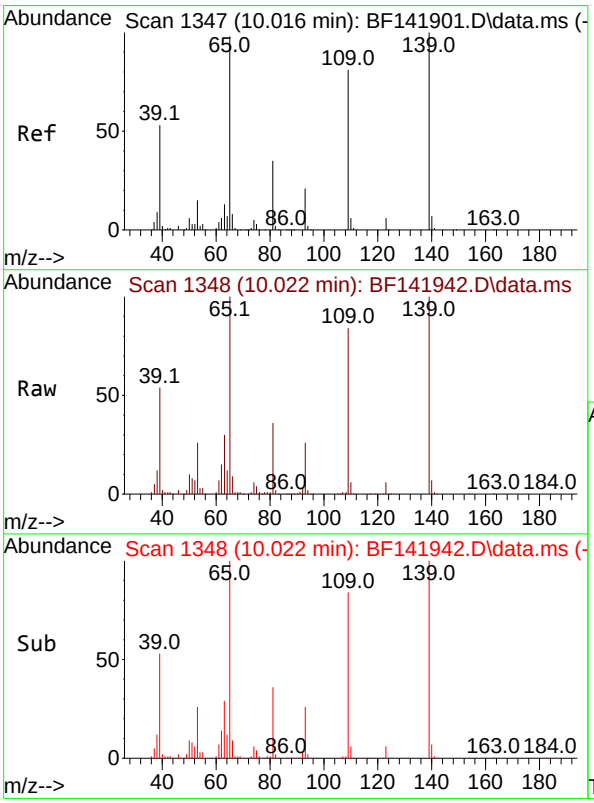
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.8 | 33.9 | 50.9 |
| 169 | 13.6 | 11.0 | 16.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

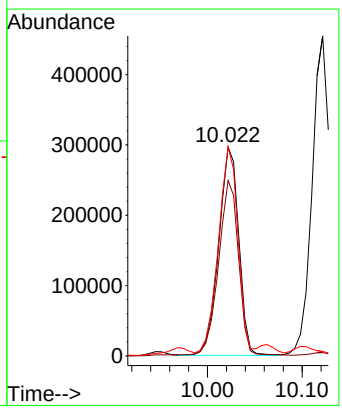
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

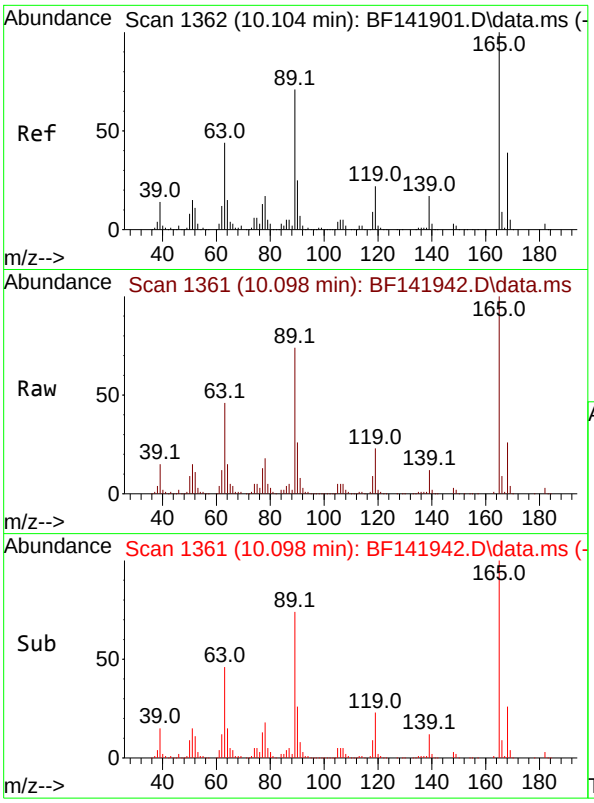



#56
4-Nitrophenol
Concen: 97.292 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:139 Resp: 435956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 83.9 | 61.6 | 101.6 |
| 65 | 100.0 | 79.4 | 119.4 |

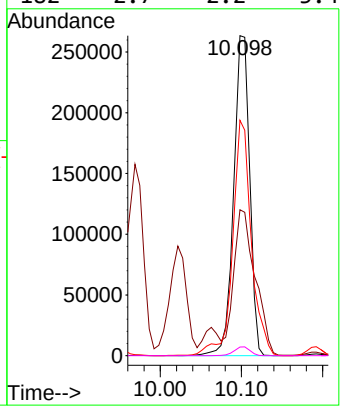





#57
2,4-Dinitrotoluene
Concen: 47.038 ng
RT: 10.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:165 Resp: 35987

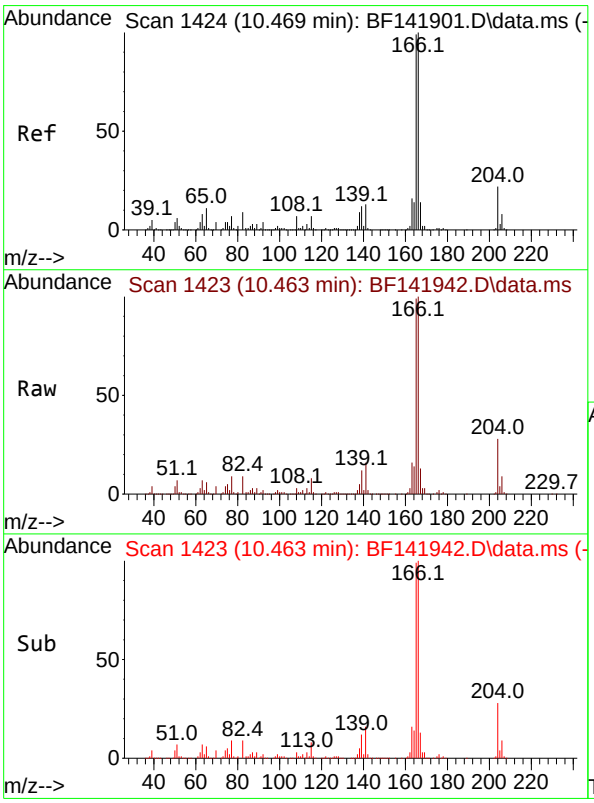
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 45.6 | 35.4 | 53.2 |
| 89 | 73.6 | 56.6 | 84.8 |
| 182 | 2.7 | 2.2 | 3.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

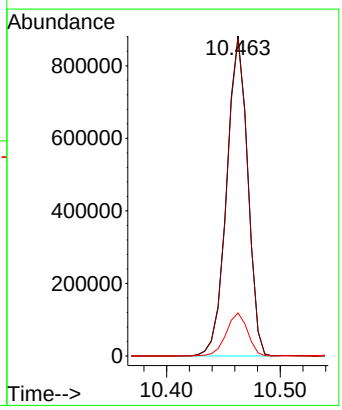
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

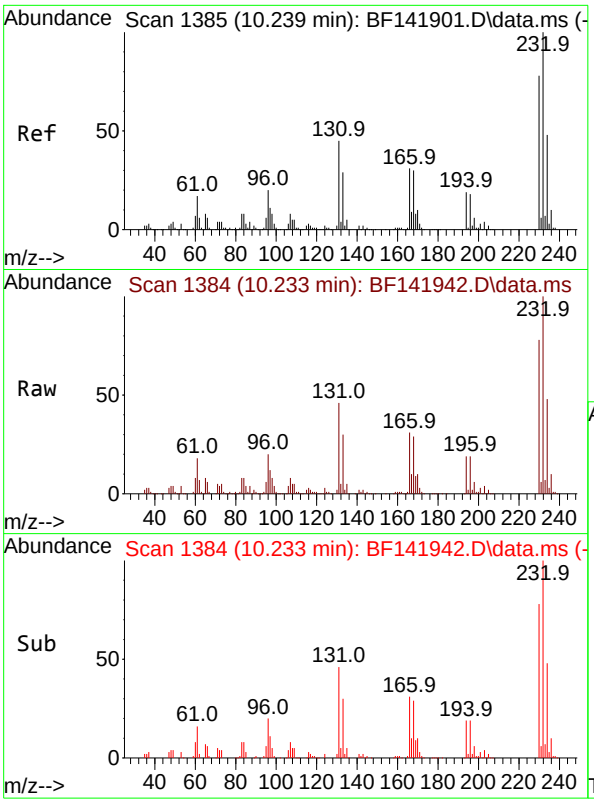



#58
Fluorene
Concen: 43.467 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:166 Resp: 1136451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.2 | 79.0 | 118.4 |
| 167 | 13.4 | 11.0 | 16.4 |

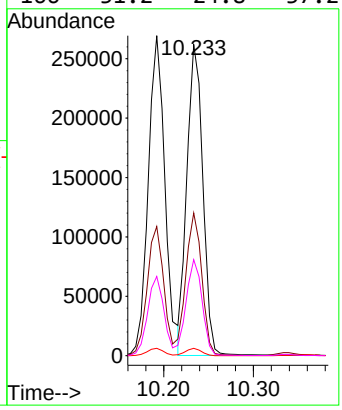





#59
2,3,4,6-Tetrachlorophenol
Concen: 43.930 ng
RT: 10.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:232 Resp: 32364

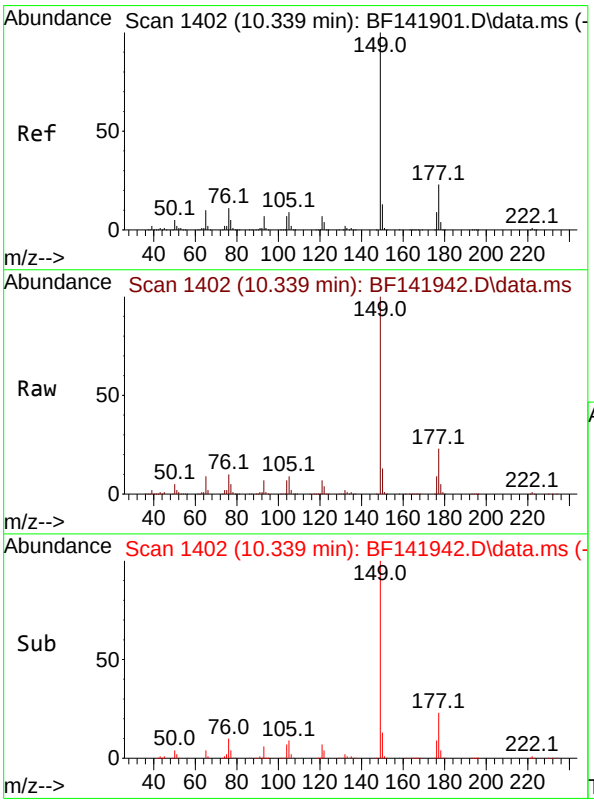
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 232 | 100 | | |
| 131 | 46.4 | 37.3 | 55.9 |
| 130 | 2.4 | 1.9 | 2.9 |
| 166 | 31.2 | 24.8 | 37.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
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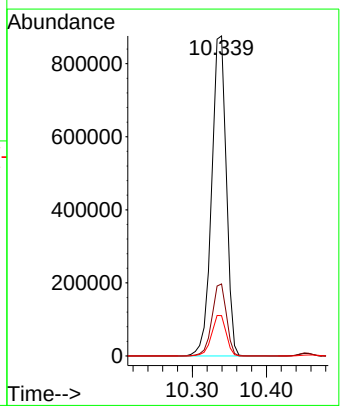
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

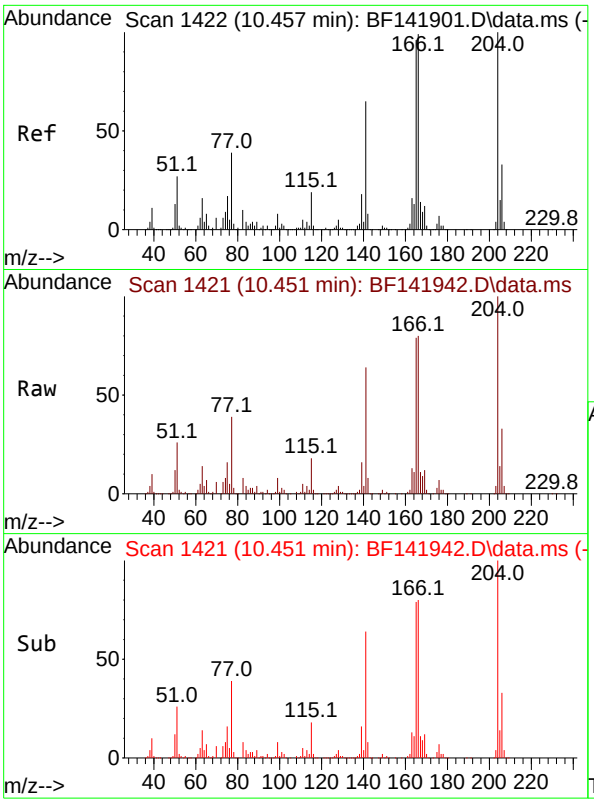



#60
Diethylphthalate
Concen: 42.727 ng
RT: 10.339 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:149 Resp: 1198598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 22.5 | 18.0 | 27.0 |
| 150 | 12.6 | 10.2 | 15.4 |






#61
4-Chlorophenyl-phenylether
Concen: 43.631 ng
RT: 10.451 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

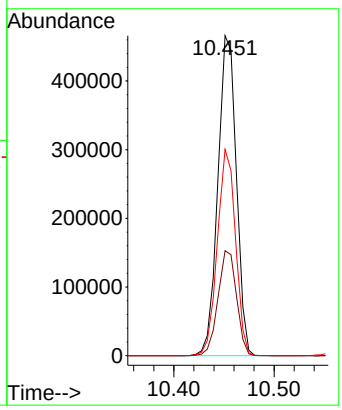
**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

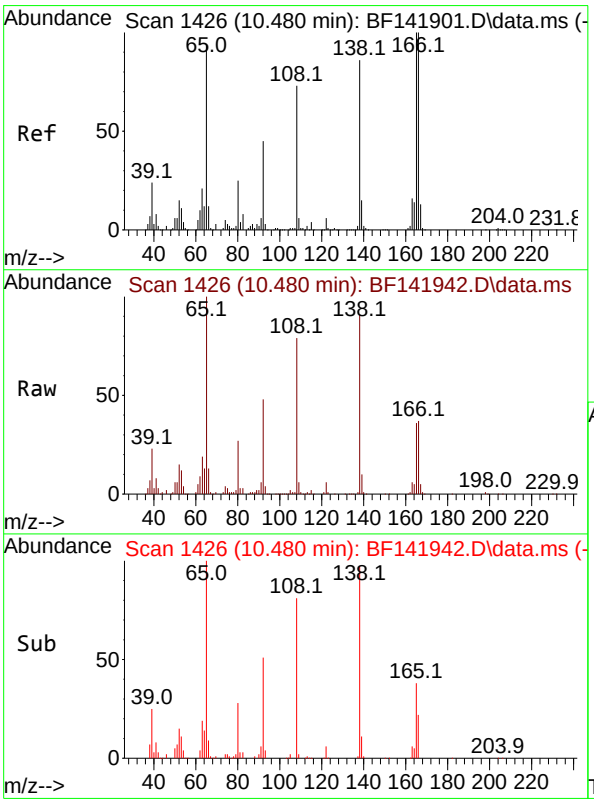
Tgt Ion:204 Resp: 59472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 204 | 100 | | |
| 206 | 32.8 | 26.8 | 40.2 |
| 141 | 64.4 | 52.4 | 78.6 |

**Manual Integrations**
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Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

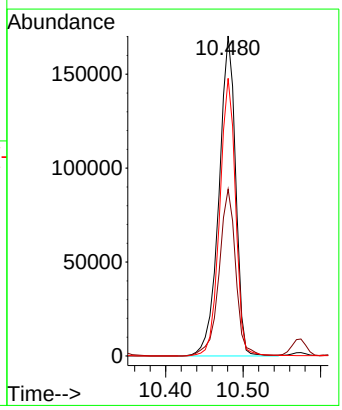


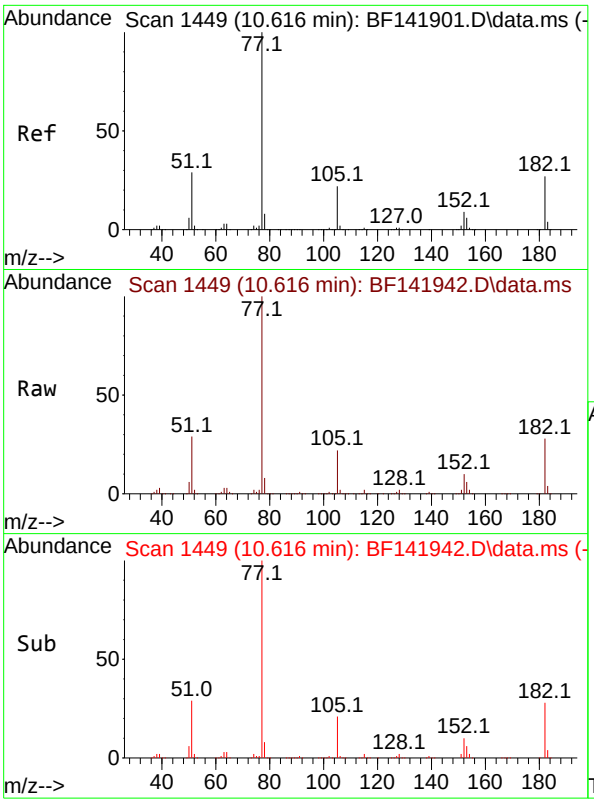




#62
4-Nitroaniline
Concen: 44.221 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:138 Resp: 255806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 52.1 | 32.6 | 72.6 |
| 108 | 86.8 | 65.0 | 105.0 |

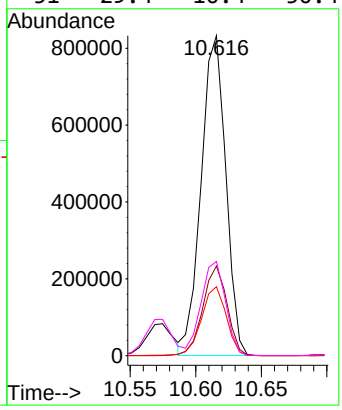





#63
Azobenzene
Concen: 41.795 ng
RT: 10.616 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion: 77 Resp: 109005

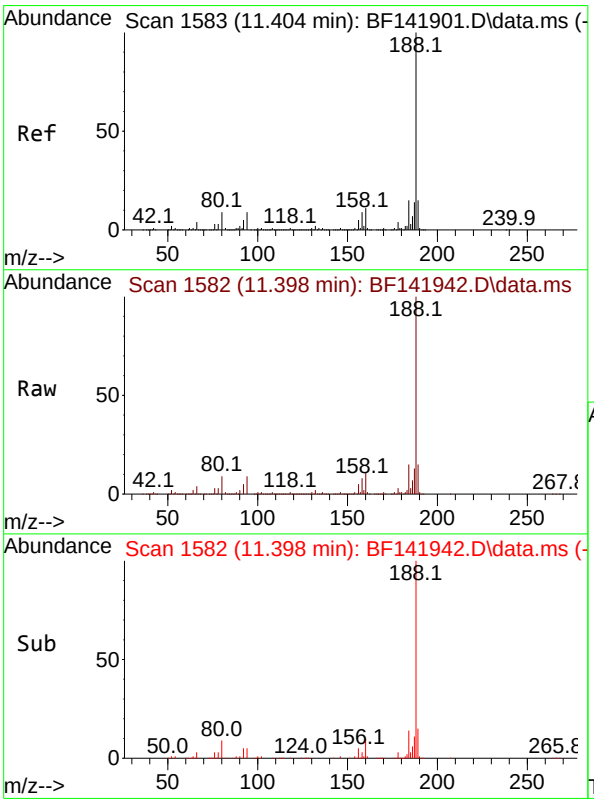
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 28.0 | 6.6 | 46.6 |
| 105 | 21.6 | 1.3 | 41.3 |
| 51 | 29.4 | 10.4 | 50.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

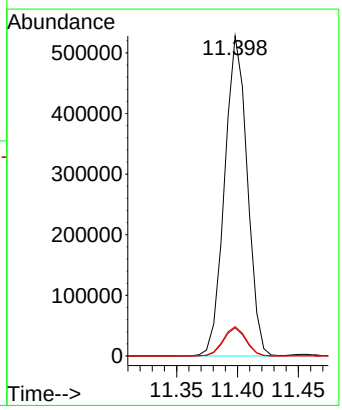
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

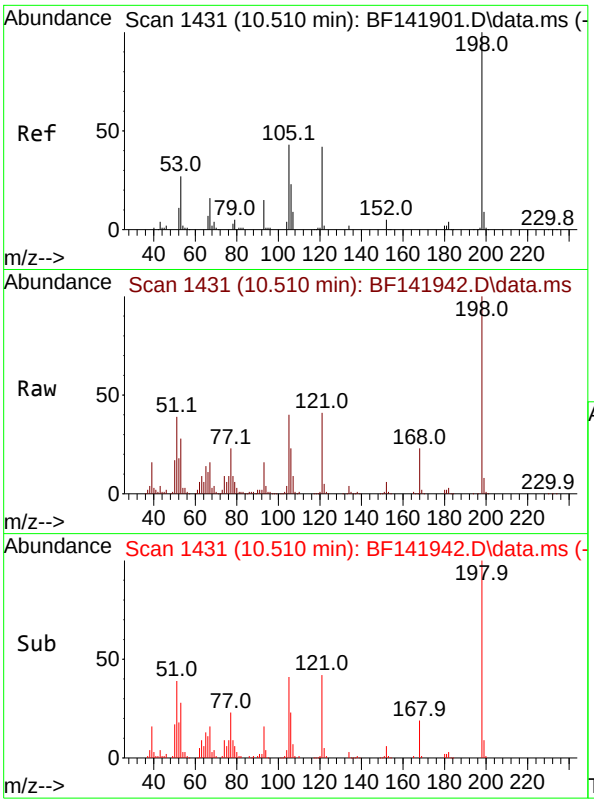



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:188 Resp: 683407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.8 | 6.8 | 10.2 |
| 80 | 9.2 | 7.6 | 11.4 |






#65
4,6-Dinitro-2-methylphenol
Concen: 49.919 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

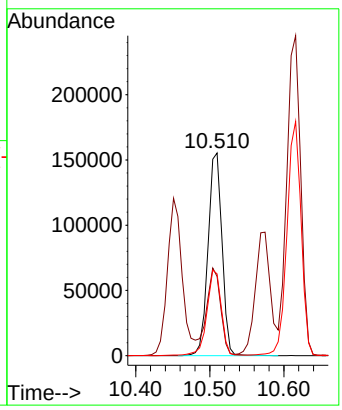
Tgt Ion:198 Resp: 20337

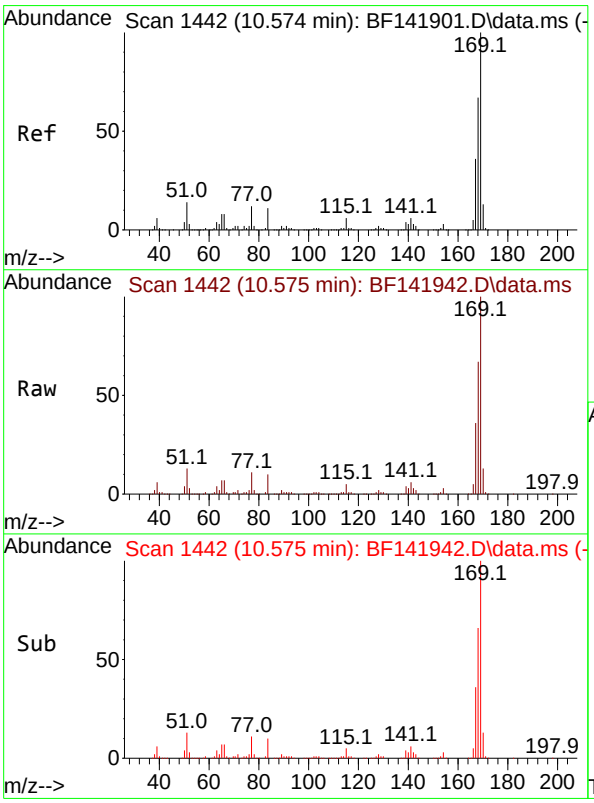
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 39.1 | 22.3 | 62.3 |
| 105 | 40.4 | 23.0 | 63.0 |

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

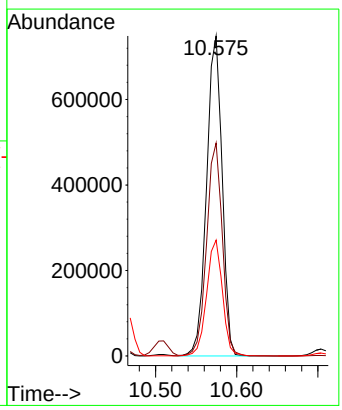


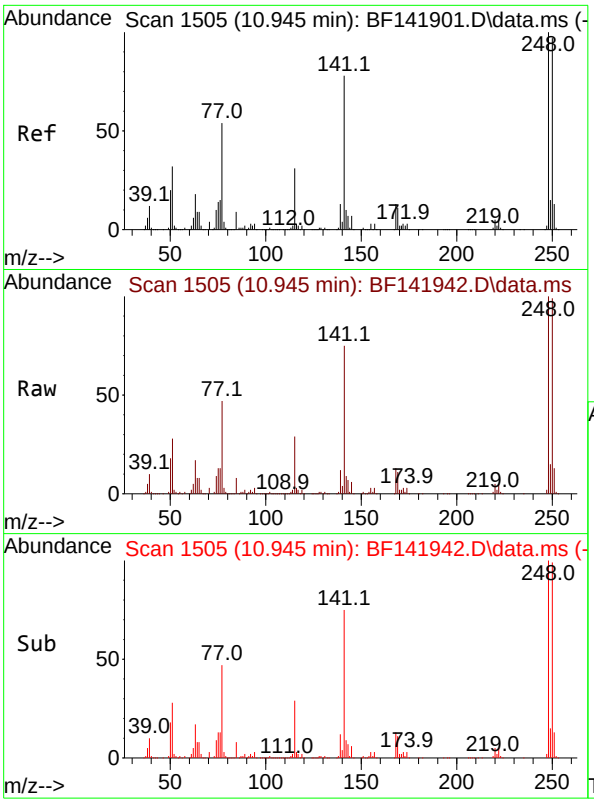




#66
n-Nitrosodiphenylamine
Concen: 44.799 ng
RT: 10.575 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:169 Resp: 990749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 66.5 | 53.7 | 80.5 |
| 167 | 36.2 | 29.2 | 43.8 |

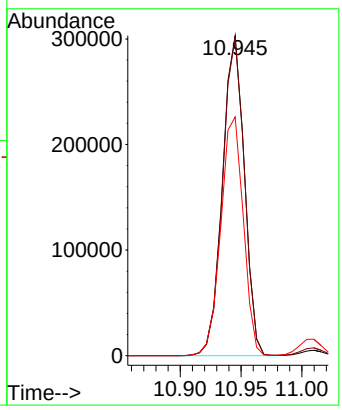





#67
4-Bromophenyl-phenylether
Concen: 44.271 ng
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:248 Resp: 37997

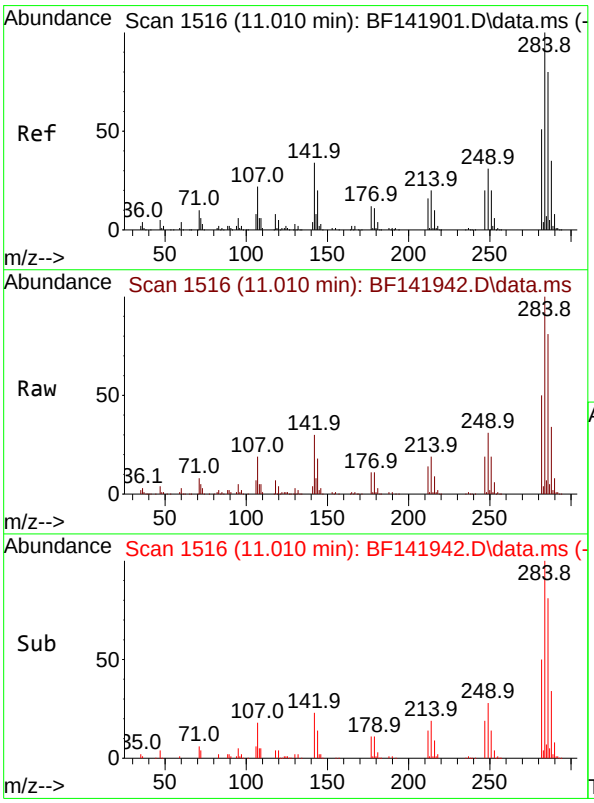
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 99.4 | 77.8 | 116.8 |
| 141 | 74.6 | 62.6 | 93.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

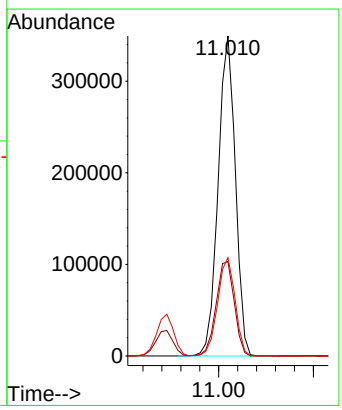
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

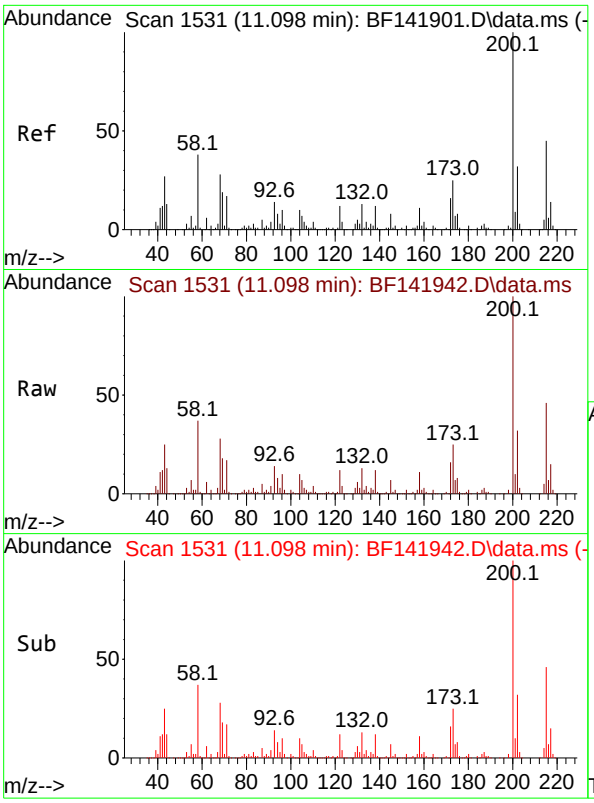



#68
Hexachlorobenzene
Concen: 46.983 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:284 Resp: 442267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 29.5 | 27.0 | 40.6 |
| 249 | 30.7 | 25.2 | 37.8 |






#69
Atrazine
Concen: 59.122 ng
RT: 11.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

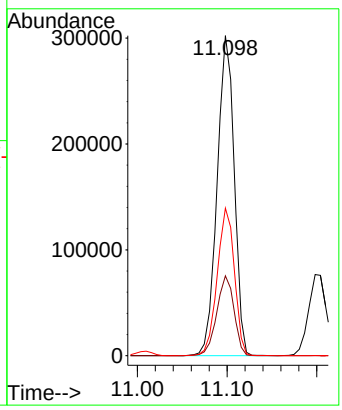
**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

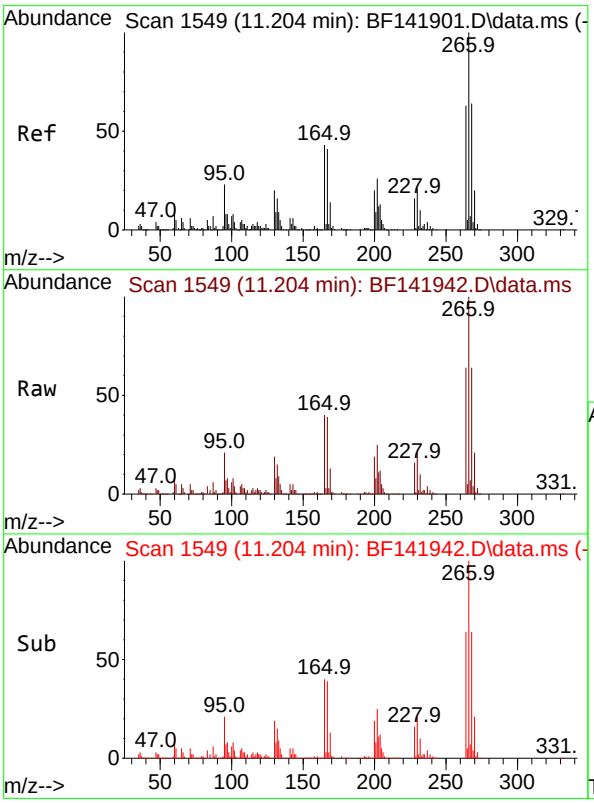
Tgt Ion:200 Resp: 40082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 25.0 | 4.7 | 44.7 |
| 215 | 46.1 | 25.4 | 65.4 |

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

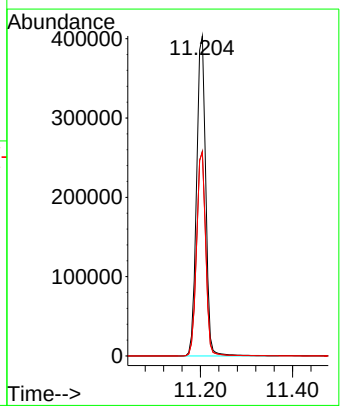


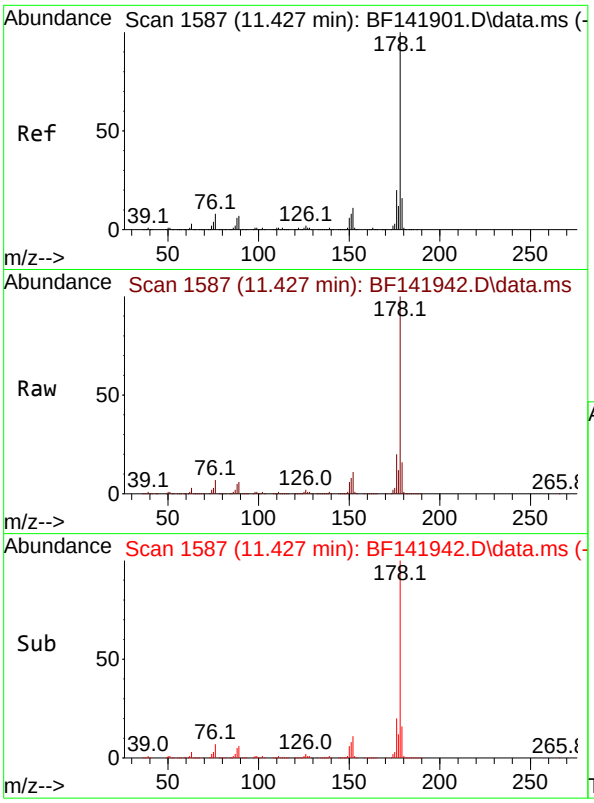




#70
Pentachlorophenol
Concen: 95.557 ng
RT: 11.204 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:266 Resp: 554214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.0 | 51.0 | 76.6 |
| 264 | 63.6 | 50.2 | 75.2 |

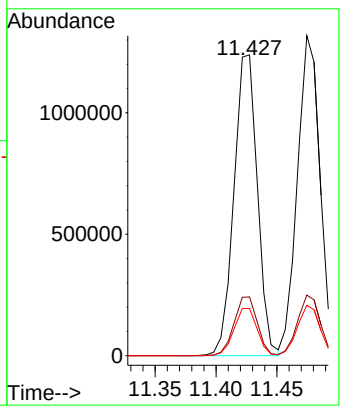





#71
Phenanthrene
Concen: 45.023 ng
RT: 11.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:178 Resp: 166192

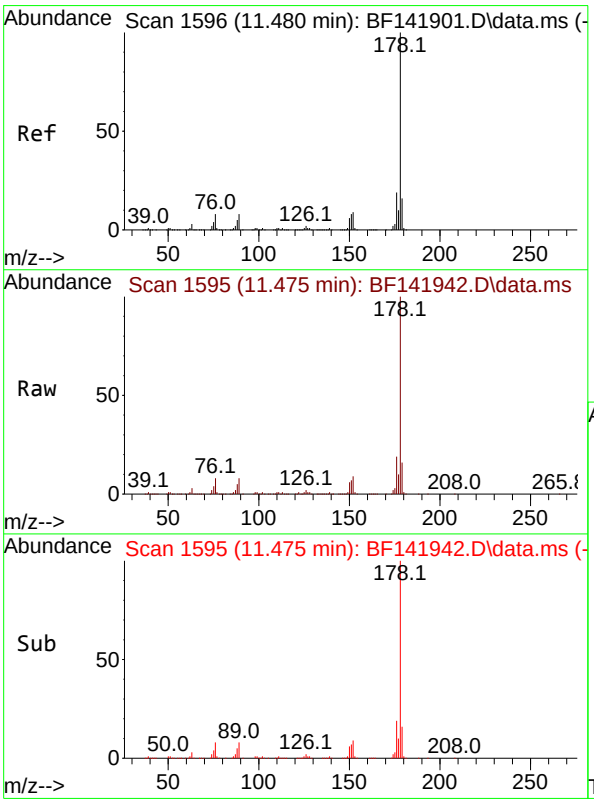
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.5 | 15.8 | 23.8 |
| 179 | 15.7 | 12.6 | 19.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

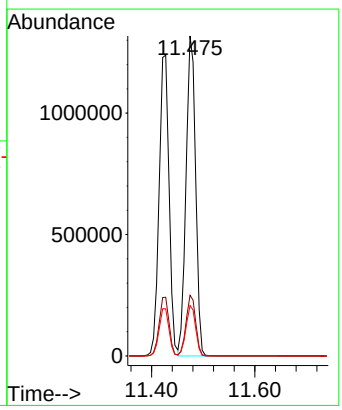
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

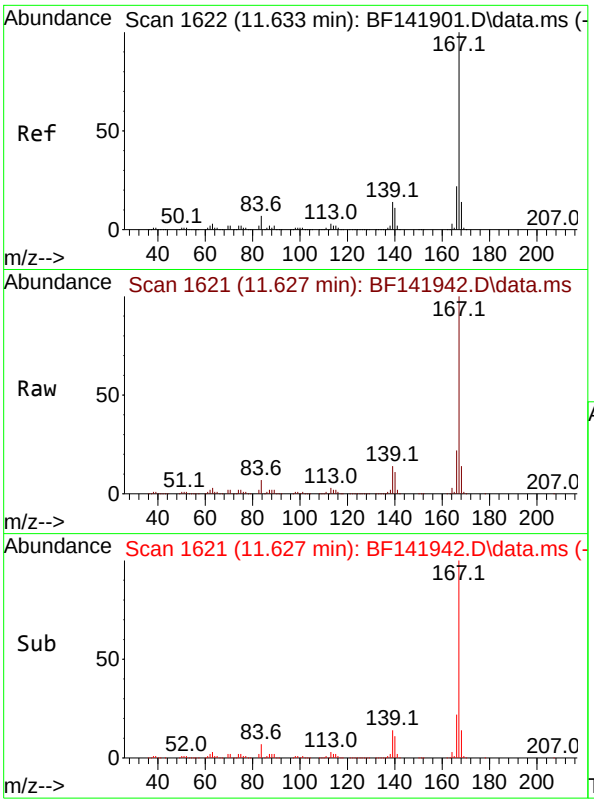



#72
Anthracene
Concen: 45.846 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:178 Resp: 1697853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 15.1 | 22.7 |
| 179 | 15.8 | 12.6 | 19.0 |

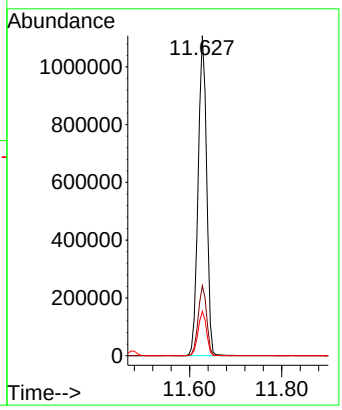





#73
Carbazole
Concen: 44.509 ng
RT: 11.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:167 Resp: 142153

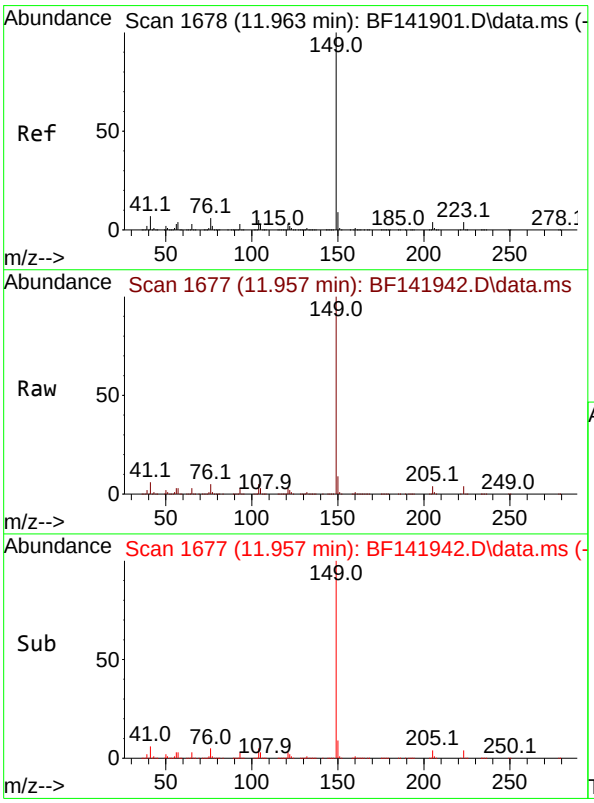
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.8 | 17.4 | 26.2 |
| 139 | 13.8 | 11.0 | 16.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

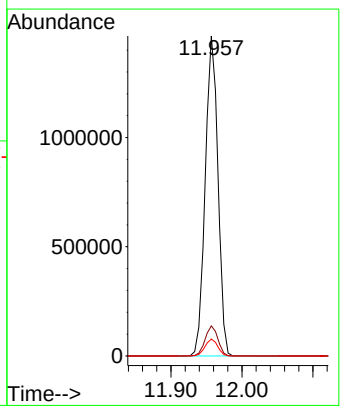
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

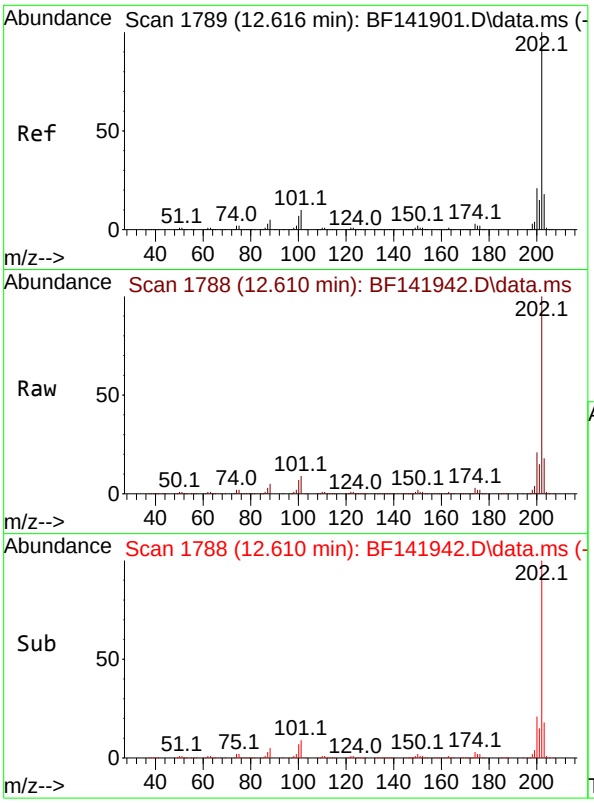



#74
Di-n-butylphthalate
Concen: 43.052 ng
RT: 11.957 min Scan# 1677
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:149 Resp: 1824481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.4 | 7.6 | 11.4 |
| 104 | 5.3 | 4.4 | 6.6 |

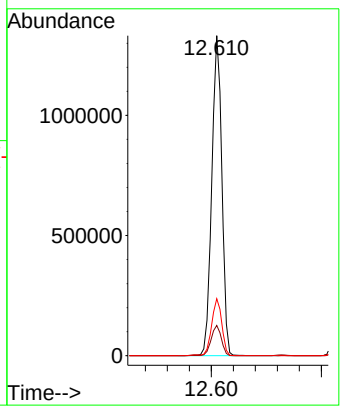





#75
Fluoranthene
Concen: 43.287 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:202 Resp: 169494

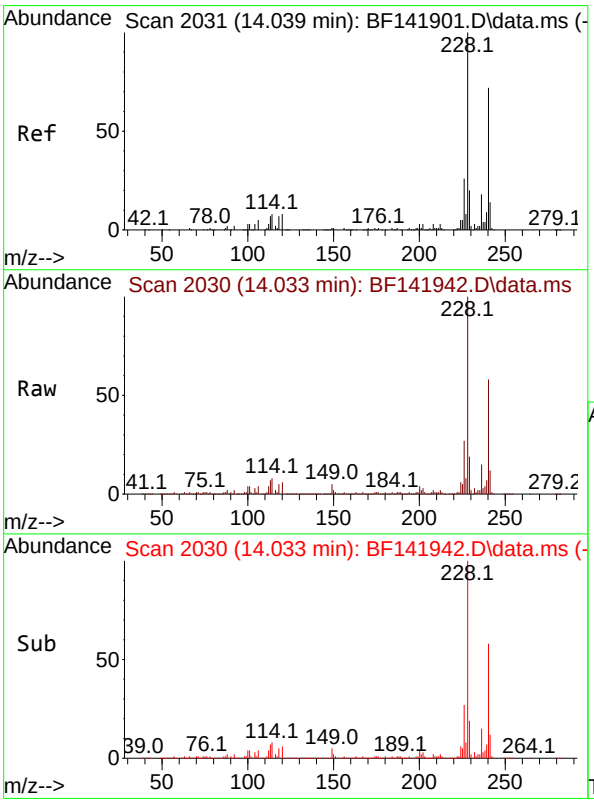
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.5 | 0.0 | 29.7 |
| 203 | 17.8 | 0.0 | 37.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

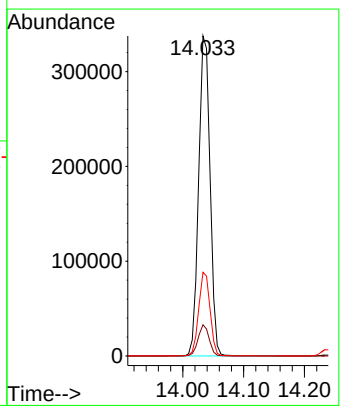
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

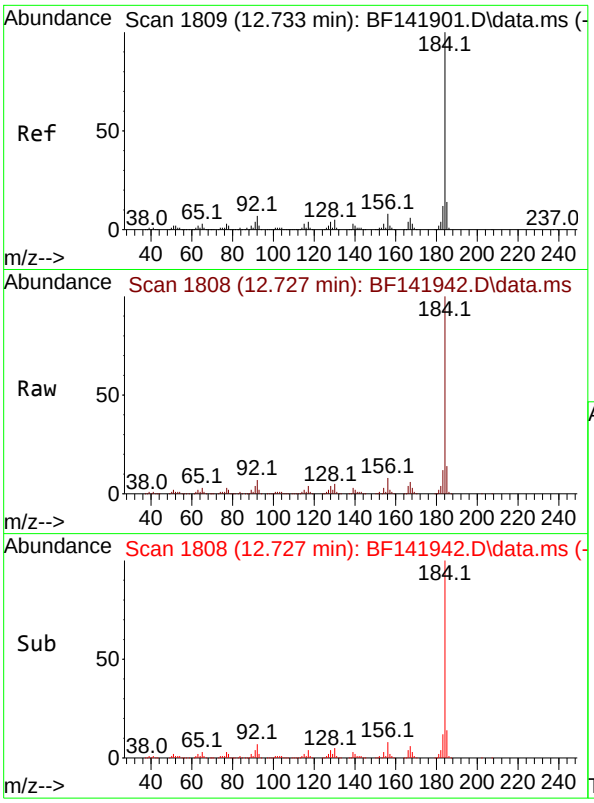



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:240 Resp: 437316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.8 | 8.4 | 12.6 |
| 236 | 26.2 | 20.5 | 30.7 |

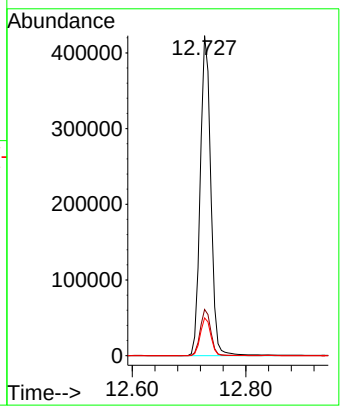





#77
Benzidine
Concen: 89.476 ng
RT: 12.727 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:184 Resp: 54592

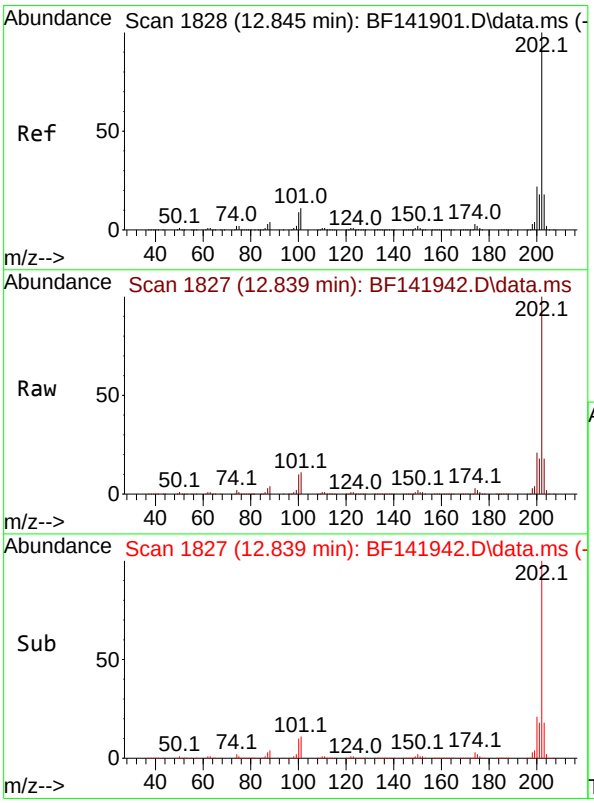
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 14.4 | 11.5 | 17.3 |
| 183 | 11.8 | 9.7 | 14.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

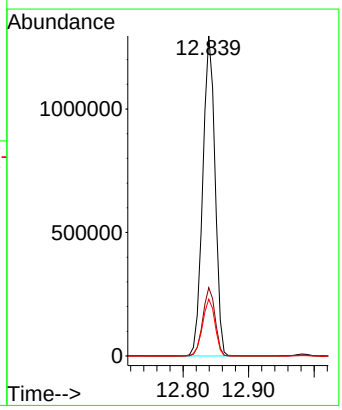
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

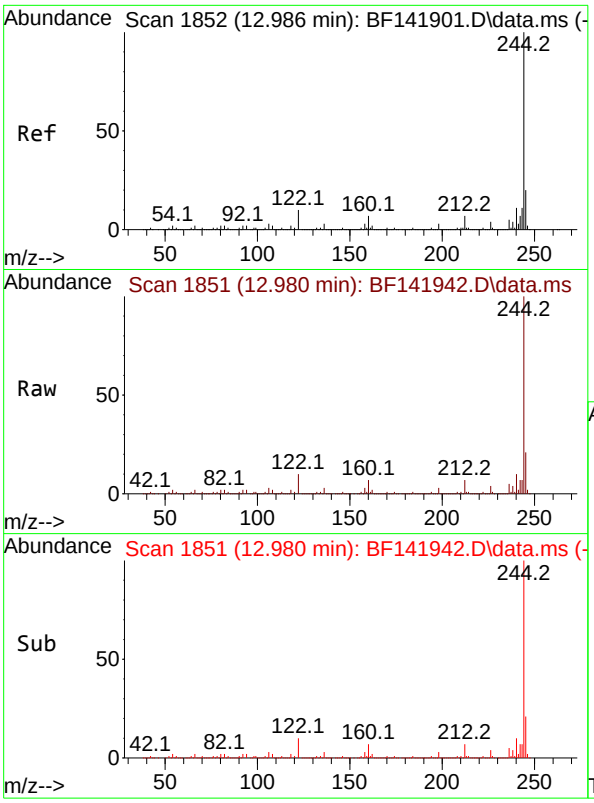



#78
Pyrene
Concen: 44.748 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:202 Resp: 1692747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.3 | 17.3 | 25.9 |
| 203 | 17.8 | 14.4 | 21.6 |

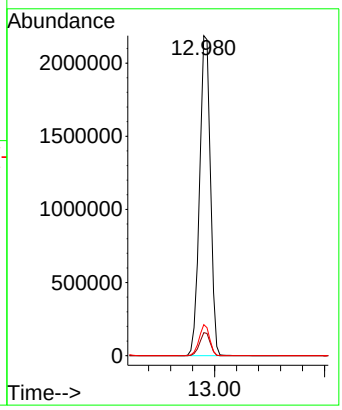





#79
Terphenyl-d14
Concen: 101.143 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:244 Resp: 299172

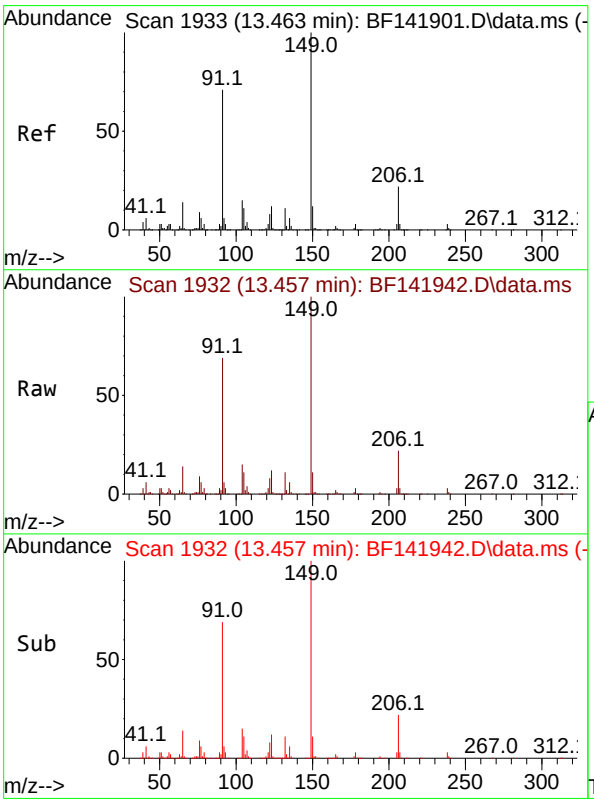
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 6.0 | 9.0 |
| 122 | 9.7 | 7.7 | 11.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

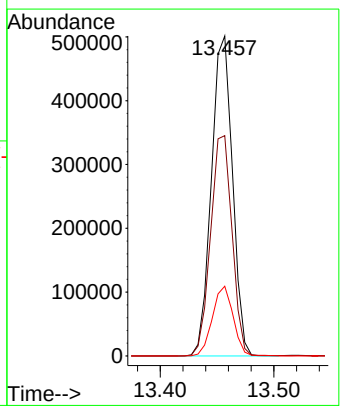
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

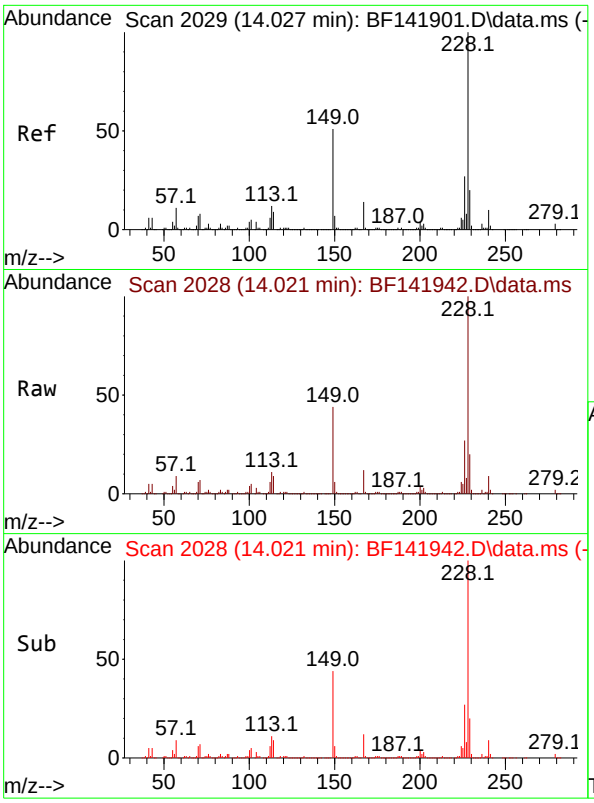



#80
Butylbenzylphthalate
Concen: 43.665 ng
RT: 13.457 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:149 Resp: 646504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 68.9 | 56.5 | 84.7 |
| 206 | 21.8 | 17.3 | 25.9 |

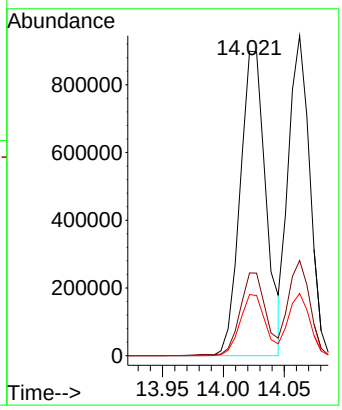





#81
Benzo(a)anthracene
Concen: 46.329 ng
RT: 14.021 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:228 Resp: 132950

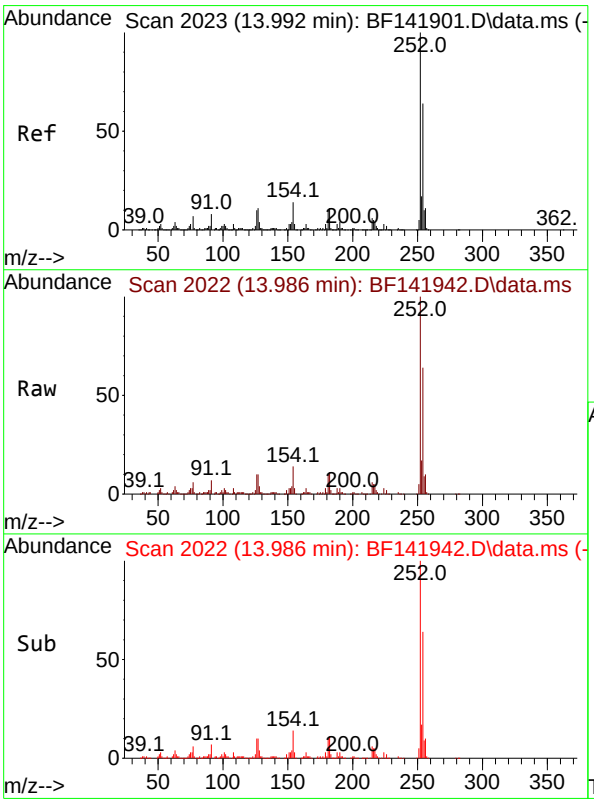
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.2 | 21.8 | 32.8 |
| 229 | 20.1 | 16.0 | 24.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

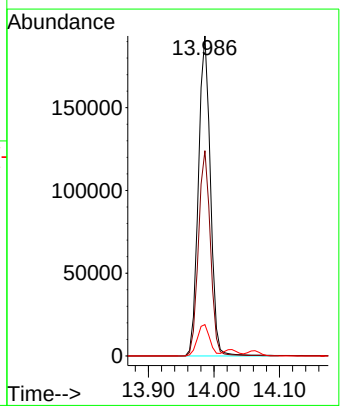
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

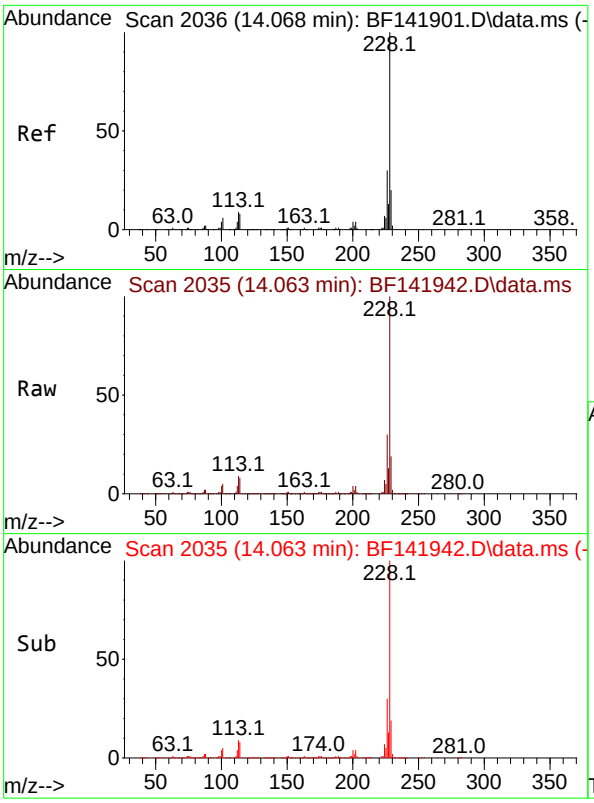



#82
3,3'-Dichlorobenzidine
Concen: 29.785 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:252 Resp: 247002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 64.1 | 51.0 | 76.6 |
| 126 | 9.8 | 8.4 | 12.6 |

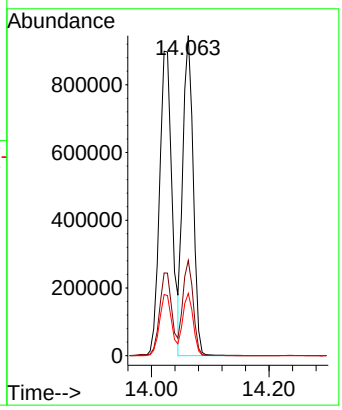





#83
Chrysene
Concen: 44.293 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:228 Resp: 115219

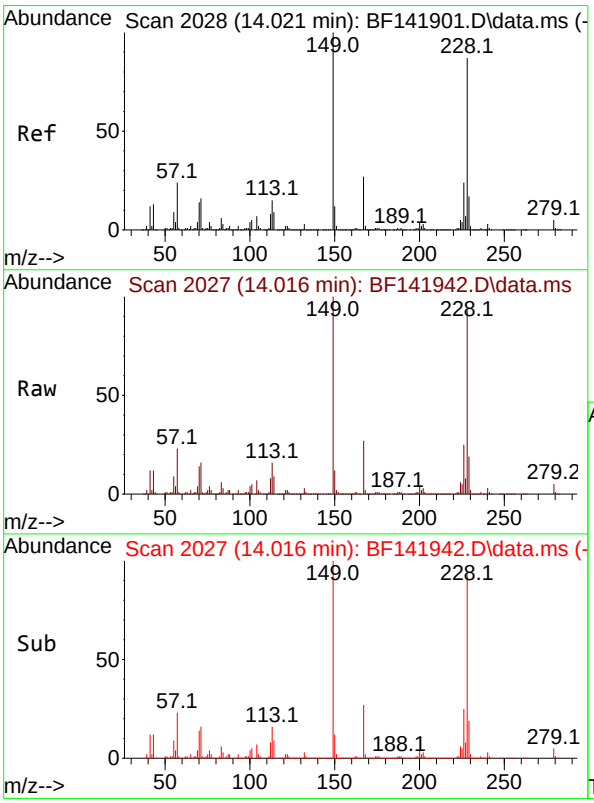
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.7 | 24.1 | 36.1 |
| 229 | 19.4 | 15.7 | 23.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

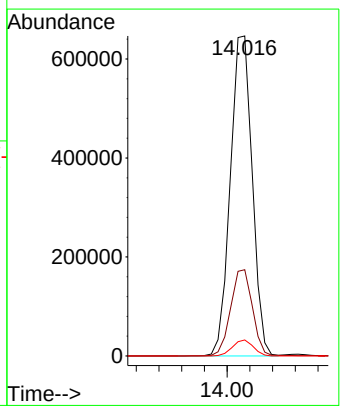
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

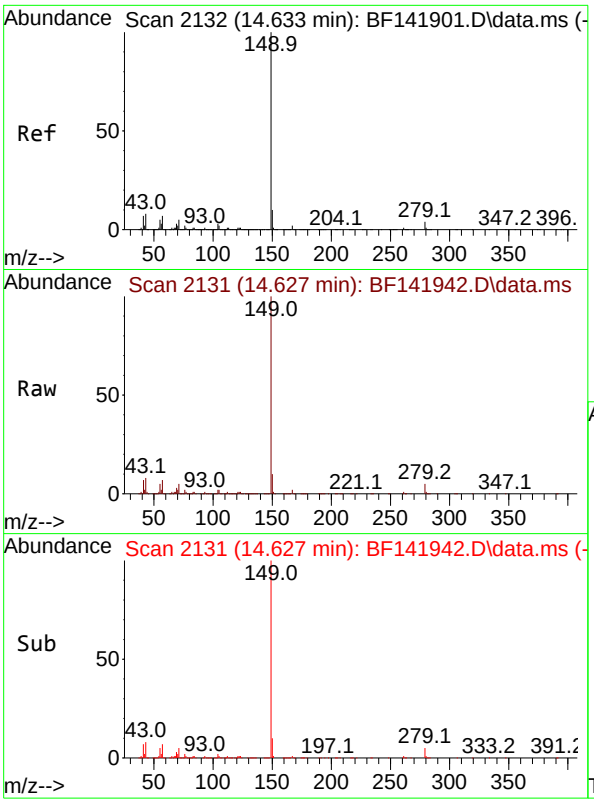



#84
Bis(2-ethylhexyl)phthalate
Concen: 42.448 ng
RT: 14.016 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:149 Resp: 866554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.0 | 21.4 | 32.0 |
| 279 | 5.0 | 3.8 | 5.6 |






#85
Di-n-octyl phthalate
Concen: 43.491 ng
RT: 14.627 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

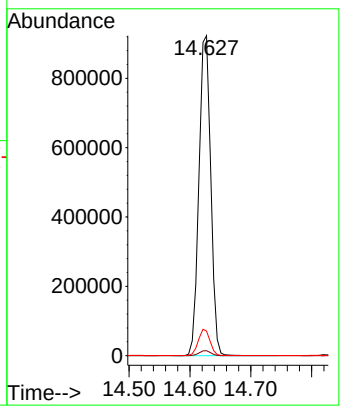
Tgt Ion:149 Resp: 123534

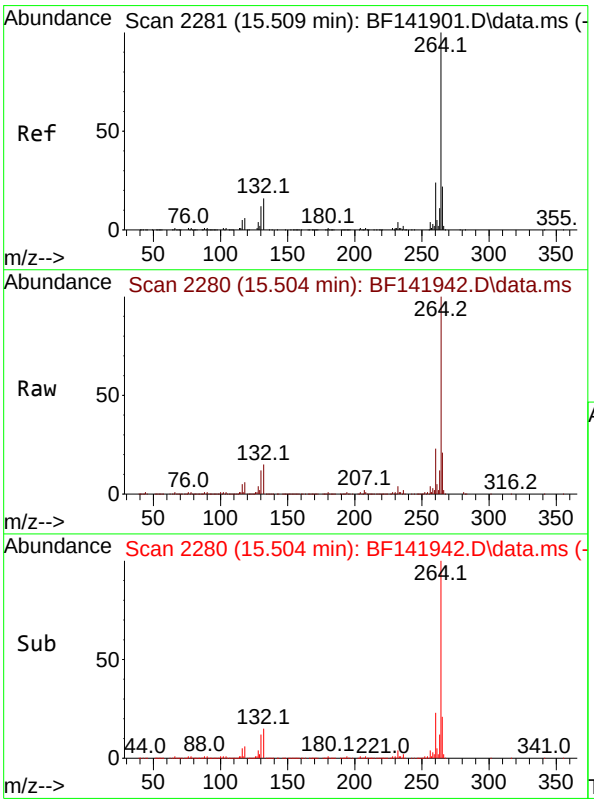
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 1.6 | 1.3 | 1.9 |
| 43 | 8.2 | 6.9 | 10.3 |

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

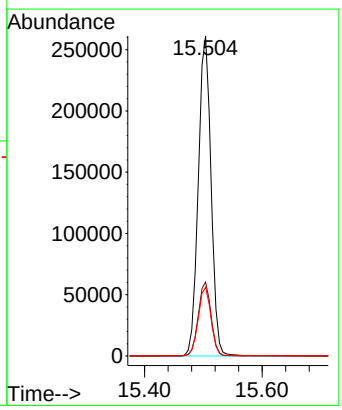


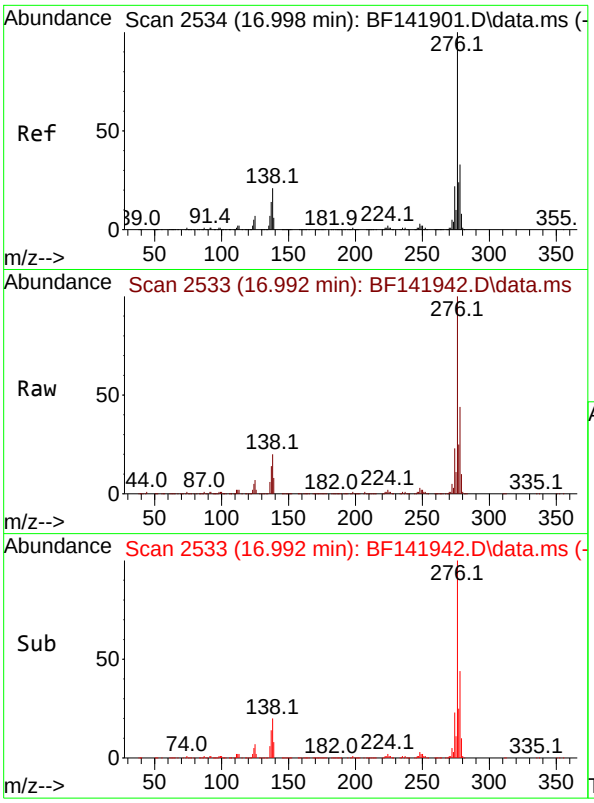




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:264 Resp: 392710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 19.1 | 28.7 |
| 265 | 21.5 | 17.5 | 26.3 |

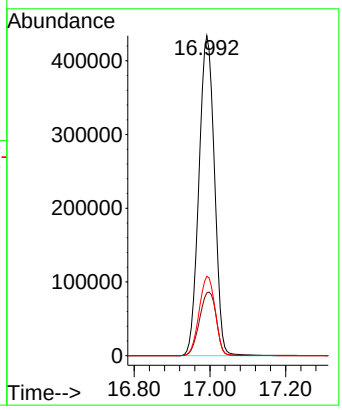





#87
Indeno(1,2,3-cd)pyrene
Concen: 48.584 ng
RT: 16.992 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:276 Resp: 123421

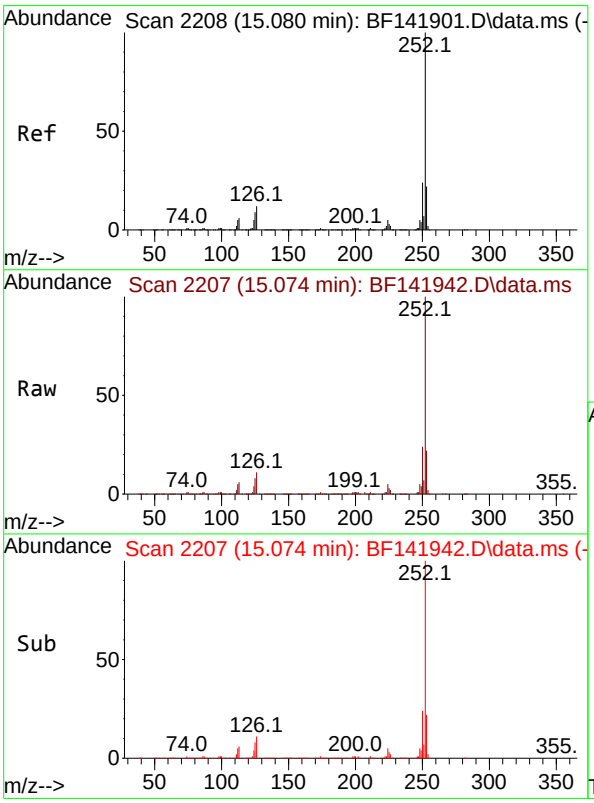
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.5 | 18.4 | 27.6 |
| 277 | 25.5 | 20.3 | 30.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

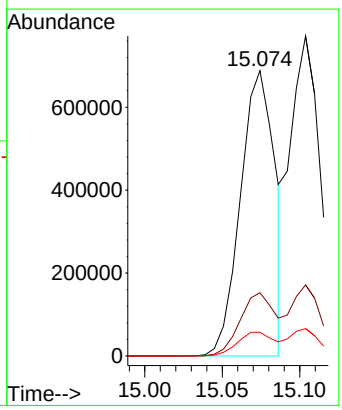
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

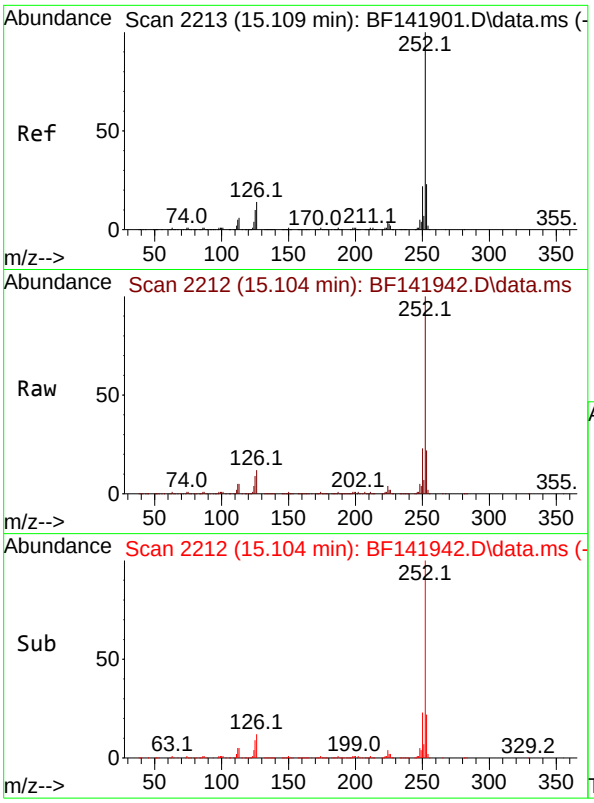



#88
Benzo(b)fluoranthene
Concen: 39.392 ng
RT: 15.074 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:252 Resp: 1060224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.5 | 26.3 |
| 125 | 8.3 | 7.0 | 10.4 |

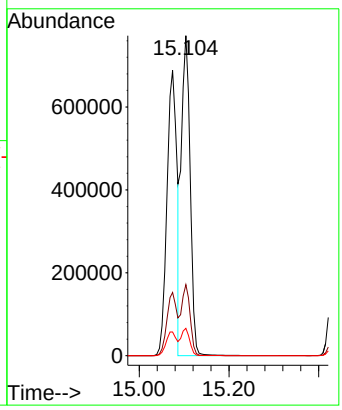





#89
Benzo(k)fluoranthene
Concen: 45.819 ng
RT: 15.104 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:252 Resp: 105534

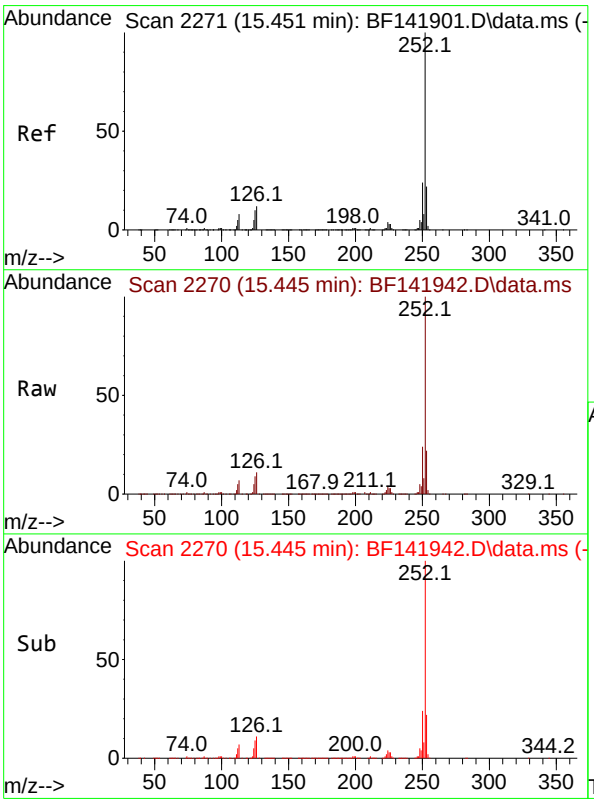
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.7 | 26.5 |
| 125 | 8.5 | 7.2 | 10.8 |




**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

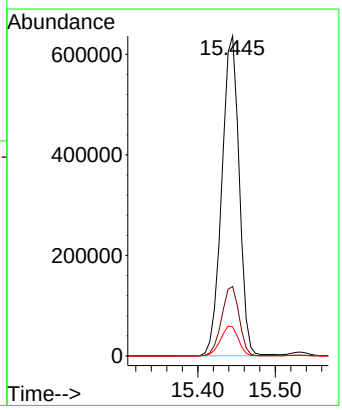
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

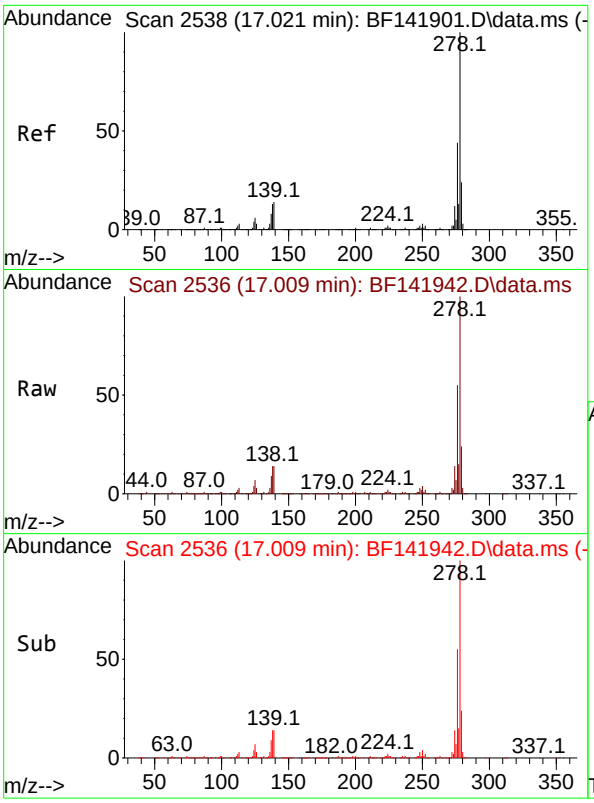



#90
Benzo(a)pyrene
Concen: 47.252 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:252 Resp: 995119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.4 | 26.0 |
| 125 | 9.1 | 7.8 | 11.8 |






#91
Dibenzo(a,h)anthracene
Concen: 48.588 ng
RT: 17.009 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

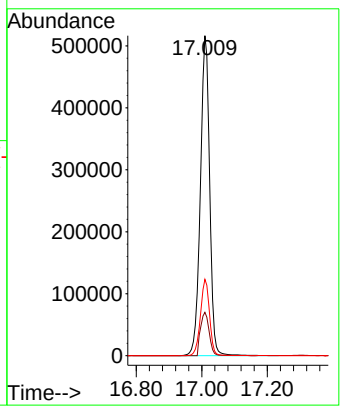
Tgt Ion:278 Resp: 101840

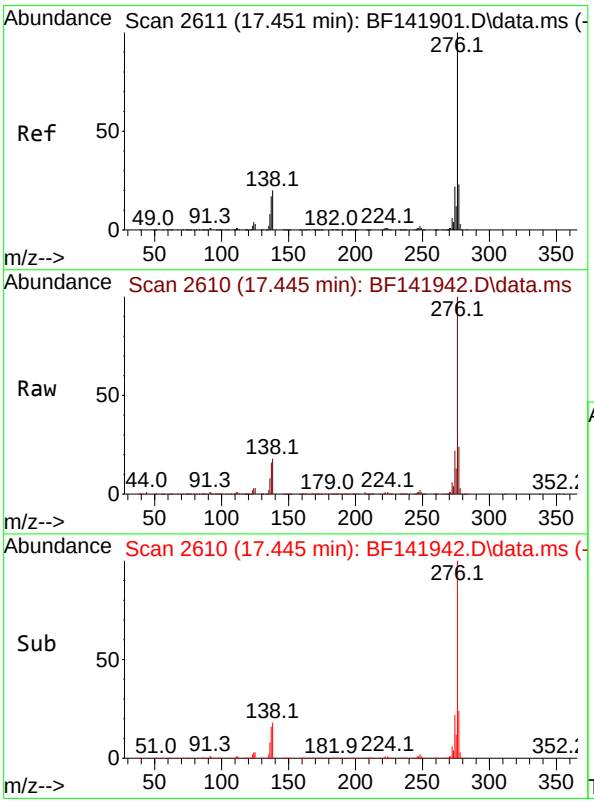
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.6 | 11.4 | 17.2 |
| 279 | 23.8 | 18.8 | 28.2 |

**Instrument :**
BNA_F
**ClientSampleId :**
PB167097BSD

**Manual Integrations**
**APPROVED**

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

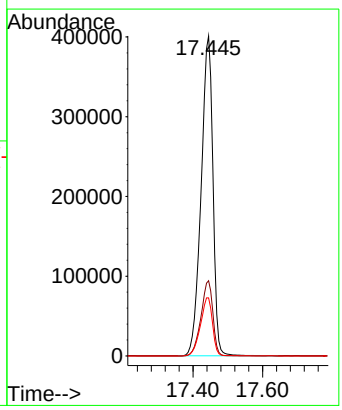



#92
Benzo(g,h,i)perylene
Concen: 45.514 ng
RT: 17.445 min Scan# 2610
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:276 Resp: 942720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.5 | 18.7 | 28.1 |
| 138 | 18.2 | 15.8 | 23.8 |



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# Manual Integration Report

| Sequence: | BF031025 | Instrument | BNA_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDICC080 | BF141904.D | Caprolactam | anahy | 3/11/2025 9:10:54 AM | Jagrut | 3/11/2025 10:18:21 AM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | BF031325 | Instrument | BNA_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| PB167097BS | BF141941.D | Caprolactam | anahy | 3/14/2025 11:28:10 AM | Jagrut | 3/14/2025 4:35:23 PM | Peak Integrated by Software |
| PB167097BSD | BF141942.D | Caprolactam | anahy | 3/14/2025 11:28:42 AM | Jagrut | 3/14/2025 4:35:25 PM | Peak Integrated by Software |

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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: | BP031325 | Instrument | BNA_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|

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Fax : 908 789 8922

**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF031025

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | anahy | Review On | 3/11/2025 9:11:47 AM | | | | |
| Supervise By | Jagrut | Supervise On | 3/11/2025 10:18:40 AM | | | | |
| SubDirectory | BF031025 | HP Acquire Method | BNA_F | | HP Processing Method | bf031025 | |

| 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 | BF141896.D | 10 Mar 2025 10:31 | RC/JU | Ok |
| 2 | SSTDICC2.5 | BF141897.D | 10 Mar 2025 11:01 | RC/JU | Ok |
| 3 | SSTDICC005 | BF141898.D | 10 Mar 2025 11:30 | RC/JU | Ok |
| 4 | SSTDICC010 | BF141899.D | 10 Mar 2025 12:00 | RC/JU | Ok |
| 5 | SSTDICC020 | BF141900.D | 10 Mar 2025 12:29 | RC/JU | Ok |
| 6 | SSTDICCC040 | BF141901.D | 10 Mar 2025 12:58 | RC/JU | Ok |
| 7 | SSTDICC050 | BF141902.D | 10 Mar 2025 13:28 | RC/JU | Not Ok |
| 8 | SSTDICC060 | BF141903.D | 10 Mar 2025 13:57 | RC/JU | Ok |
| 9 | SSTDICC080 | BF141904.D | 10 Mar 2025 14:27 | RC/JU | Ok,M |
| 10 | SSTDICC050 | BF141905.D | 10 Mar 2025 15:20 | RC/JU | Ok |
| 11 | SSTDICV040 | BF141906.D | 10 Mar 2025 15:53 | RC/JU | Ok |
| 12 | PB167012BL | BF141907.D | 10 Mar 2025 17:09 | RC/JU | Ok |
| 13 | SP6752 | BF141908.D | 10 Mar 2025 17:39 | RC/JU | Ok,M |

M : Manual Integration

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Fax : 908 789 8922

**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF031325

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | anahy | Review On | 3/14/2025 11:36:22 AM | | | | |
| Supervise By | Jagrut | Supervise On | 3/14/2025 4:35:55 PM | | | | |
| SubDirectory | BF031325 | HP Acquire Method | BNA_F | | HP Processing Method | bf031025 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12655,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BF141938.D | 13 Mar 2025 11:48 | RC/JU | Ok |
| 2 | SSTDCCC040 | BF141939.D | 13 Mar 2025 12:17 | RC/JU | Ok |
| 3 | PB167097BL | BF141940.D | 13 Mar 2025 12:47 | RC/JU | Ok |
| 4 | PB167097BS | BF141941.D | 13 Mar 2025 13:17 | RC/JU | Ok,M |
| 5 | PB167097BSD | BF141942.D | 13 Mar 2025 13:47 | RC/JU | Ok,M |
| 6 | Q1539-01 | BF141943.D | 13 Mar 2025 16:14 | RC/JU | Ok |
| 7 | Q1539-02 | BF141944.D | 13 Mar 2025 16:44 | RC/JU | Ok |
| 8 | Q1547-01 | BF141945.D | 13 Mar 2025 17:14 | RC/JU | Ok |
| 9 | Q1547-01MS | BF141946.D | 13 Mar 2025 17:44 | RC/JU | Ok,M |
| 10 | Q1547-01MSD | BF141947.D | 13 Mar 2025 18:13 | RC/JU | Ok,M |
| 11 | Q1547-05 | BF141948.D | 13 Mar 2025 18:42 | RC/JU | Ok |
| 12 | Q1547-05MS | BF141949.D | 13 Mar 2025 19:11 | RC/JU | Ok,M |
| 13 | Q1547-05MSD | BF141950.D | 13 Mar 2025 19:41 | RC/JU | Ok,M |
| 14 | Q1547-10 | BF141951.D | 13 Mar 2025 20:10 | RC/JU | Ok,M |
| 15 | Q1547-06 | BF141952.D | 13 Mar 2025 20:39 | RC/JU | Ok |
| 16 | SSTDCCC040 | BF141953.D | 13 Mar 2025 21:09 | RC/JU | Ok |

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 | 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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Fax : 908 789 8922

**Instrument ID: BNA_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # BP031325

| | | | | | |
|---|---|---|---|---|---|
| Review By | anahy | Review On | 3/17/2025 4:45:24 PM | | |
| Supervise By | Jagrut | Supervise On | 3/17/2025 4:49:31 PM | | |
| SubDirectory | BP031325 | 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 | S12655,10ul/1000ul sample |
| ICV/I.BLK | SP6686 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BP024170.D | 13 Mar 2025 09:41 | RC/JU | Ok |
| 2 | SSTDCCC040 | BP024171.D | 13 Mar 2025 10:22 | RC/JU | Ok |
| 3 | PB167097BL | BP024172.D | 13 Mar 2025 11:02 | RC/JU | Not Ok |
| 4 | Q1502-03 | BP024173.D | 13 Mar 2025 11:43 | RC/JU | Dilution |
| 5 | Q1502-03DL | BP024174.D | 13 Mar 2025 12:37 | RC/JU | Ok |
| 6 | Q1502-06 | BP024175.D | 13 Mar 2025 13:51 | RC/JU | Dilution |
| 7 | Q1502-06DL | BP024176.D | 13 Mar 2025 15:48 | RC/JU | Ok |
| 8 | Q1502-22 | BP024177.D | 13 Mar 2025 16:40 | RC/JU | Ok |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF031025

| | | | | | |
|---|---|---|---|---|---|
| Review By | anahy | Review On | 3/11/2025 9:11:47 AM | | |
| Supervise By | Jagrut | Supervise On | 3/11/2025 10:18:40 AM | | |
| SubDirectory | BF031025 | HP Acquire Method | BNA_F | HP Processing Method | bf031025 |

| 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 | BF141896.D | 10 Mar 2025 10:31 | | RC/JU | Ok |
| 2 | SSTDICC2.5 | SSTDICC2.5 | BF141897.D | 10 Mar 2025 11:01 | | RC/JU | Ok |
| 3 | SSTDICC005 | SSTDICC005 | BF141898.D | 10 Mar 2025 11:30 | Compound#9,32,54,65 removed from 5 ppm | RC/JU | Ok |
| 4 | SSTDICC010 | SSTDICC010 | BF141899.D | 10 Mar 2025 12:00 | | RC/JU | Ok |
| 5 | SSTDICC020 | SSTDICC020 | BF141900.D | 10 Mar 2025 12:29 | Compound #54 Kept on LR, Method is good for DOD . Method failed for compound #77. | RC/JU | Ok |
| 6 | SSTDICCC040 | SSTDICCC040 | BF141901.D | 10 Mar 2025 12:58 | | RC/JU | Ok |
| 7 | SSTDICC050 | SSTDICC050 | BF141902.D | 10 Mar 2025 13:28 | Not used | RC/JU | Not Ok |
| 8 | SSTDICC060 | SSTDICC060 | BF141903.D | 10 Mar 2025 13:57 | Compound#69 Removed from 60 ppm | RC/JU | Ok |
| 9 | SSTDICC080 | SSTDICC080 | BF141904.D | 10 Mar 2025 14:27 | Compound#9,69 Removed from 80 ppm | RC/JU | Ok,M |
| 10 | SSTDICC050 | SSTDICC050 | BF141905.D | 10 Mar 2025 15:20 | | RC/JU | Ok |
| 11 | SSTDICV040 | ICVBF031025 | BF141906.D | 10 Mar 2025 15:53 | | RC/JU | Ok |
| 12 | PB167012BL | PB167012BL | BF141907.D | 10 Mar 2025 17:09 | | RC/JU | Ok |
| 13 | SP6752 | SP6752 | BF141908.D | 10 Mar 2025 17:39 | 8270 SPIKE-SP6752 | RC/JU | Ok,M |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF031325

| | | | | | |
|---|---|---|---|---|---|
| Review By | anahy | Review On | 3/14/2025 11:36:22 AM | | |
| Supervise By | Jagrut | Supervise On | 3/14/2025 4:35:55 PM | | |
| SubDirectory | BF031325 | HP Acquire Method | BNA_F | HP Processing Method | bf031025 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6717 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12655,10ul/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 | BF141938.D | 13 Mar 2025 11:48 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BF141939.D | 13 Mar 2025 12:17 | | RC/JU | Ok |
| 3 | PB167097BL | PB167097BL | BF141940.D | 13 Mar 2025 12:47 | | RC/JU | Ok |
| 4 | PB167097BS | PB167097BS | BF141941.D | 13 Mar 2025 13:17 | Use for Q1539 only | RC/JU | Ok,M |
| 5 | PB167097BSD | PB167097BSD | BF141942.D | 13 Mar 2025 13:47 | Use for Q1539 only | RC/JU | Ok,M |
| 6 | Q1539-01 | TAPIAL3-MW03D-0310 | BF141943.D | 13 Mar 2025 16:14 | | RC/JU | Ok |
| 7 | Q1539-02 | TAPFTA-MW01I-03102 | BF141944.D | 13 Mar 2025 16:44 | | RC/JU | Ok |
| 8 | Q1547-01 | OR-620-JB-COMP-01 | BF141945.D | 13 Mar 2025 17:14 | | RC/JU | Ok |
| 9 | Q1547-01MS | OR-620-JB-COMP-01M | BF141946.D | 13 Mar 2025 17:44 | | RC/JU | Ok,M |
| 10 | Q1547-01MSD | OR-620-JB-COMP-01M | BF141947.D | 13 Mar 2025 18:13 | | RC/JU | Ok,M |
| 11 | Q1547-05 | OR-620-JB-COMP-01 | BF141948.D | 13 Mar 2025 18:42 | | RC/JU | Ok |
| 12 | Q1547-05MS | OR-620-JB-COMP-01M | BF141949.D | 13 Mar 2025 19:11 | | RC/JU | Ok,M |
| 13 | Q1547-05MSD | OR-620-JB-COMP-01M | BF141950.D | 13 Mar 2025 19:41 | | RC/JU | Ok,M |
| 14 | Q1547-10 | OR-620-JB-COMP-02 | BF141951.D | 13 Mar 2025 20:10 | | RC/JU | Ok,M |
| 15 | Q1547-06 | OR-620-JB-COMP-02 | BF141952.D | 13 Mar 2025 20:39 | | RC/JU | Ok |
| 16 | SSTDCCC040 | SSTDCCC040EC | BF141953.D | 13 Mar 2025 21:09 | | RC/JU | Ok |

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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 |

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**Instrument ID:** BNA_P

## Daily Analysis Runlog For Sequence/QCBatch ID # BP031325

| | | | | | |
|---|---|---|---|---|---|
| Review By | anahy | Review On | 3/17/2025 4:45:24 PM | | |
| Supervise By | Jagrut | Supervise On | 3/17/2025 4:49:31 PM | | |
| SubDirectory | BP031325 | 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 | S12655,10ul/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 | BP024170.D | 13 Mar 2025 09:41 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BP024171.D | 13 Mar 2025 10:22 | | RC/JU | Ok |
| 3 | PB167097BL | PB167097BL | BP024172.D | 13 Mar 2025 11:02 | Not Used | RC/JU | Not Ok |
| 4 | Q1502-03 | PT-BN-WP | BP024173.D | 13 Mar 2025 11:43 | PT Sample, Need 5X Dilution | RC/JU | Dilution |
| 5 | Q1502-03DL | PT-BN-WPDL | BP024174.D | 13 Mar 2025 12:37 | | RC/JU | Ok |
| 6 | Q1502-06 | PT-ACIDS-WP | BP024175.D | 13 Mar 2025 13:51 | PT Sample, Need 5X Dilution | RC/JU | Dilution |
| 7 | Q1502-06DL | PT-ACIDS-WPDL | BP024176.D | 13 Mar 2025 15:48 | | RC/JU | Ok |
| 8 | Q1502-22 | RR-TRIAZINE-WP | BP024177.D | 13 Mar 2025 16:40 | PT Sample | RC/JU | Ok |

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Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

PB167097

**SOP ID:** M3510C,3580A-Extraction SVOC-20

**Clean Up SOP #:** N/A

**Matrix :** Water

**Weigh By:** N/A

**Balance check:** N/A

**Balance ID:** N/A

**pH Strip Lot#:** E3880

**Extraction By:** RS

**Filter By:** RS

**pH Meter ID:** N/A

**Hood ID:** 4,6,7

**Extraction Start Date :** 03/12/2025

**Extraction Start Time :** 08:45

**Extraction End Date :** 03/12/2025

**Extraction End Time :** 13:55

**Concentration By:** EH

**Supervisor By :** RUPESH

**Extraction Method:** [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

| Standared Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---|---|---|---|
| Spike Sol 1 | 1.0ML | 50/100 PPM | SP6720 |
| Surrogate | 1.0ML | 100/150 PPM | SP6638 |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| Methylene Chloride | N/A | E3878 |
| Baked Na2SO4 | N/A | EP2593 |
| 10N NaoH | N/A | EP2559 |
| H2SO4 1:1 | N/A | EP2565 |
| 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. pH Adjusted<2 with 1:1 H2SO4 & >11 with 10 N NaOH.

**KD Bath ID:** WATER BATH-1,2

**KD Bath Temperature:** 60 °C

**Envap ID:** NEVAP-02

**Envap Temperature:** 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 3/12/25 | RS (Ext-Lab) | RclSvoc |
| 14:00 | **Preparation Group** | **Analysis Group** |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB167097**

**Analytical Method:** M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 03/12/2025

| Sample ID | Client Sample ID | Test | g / mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB167097BL | SBLK097 | SVOC-TCL BNA -20 | 1000 | 6 | RUPESH | ritesh | 1 | | | SEP-1 |
| PB167097BS | SLCS097 | SVOC-TCL BNA -20 | 1000 | 6 | RUPESH | ritesh | 1 | | | 2 |
| PB167097BSD | SLCSD097 | SVOC-TCL BNA -20 | 1000 | 6 | RUPESH | ritesh | 1 | | | 3 |
| Q1502-03 | PT-BN-WP | SVOCMS Group1 | 1000 | 6 | RUPESH | ritesh | 1 | | | 4 |
| Q1502-06 | PT-ACIDS-WP | SVOCMS Group2 | 1000 | 6 | RUPESH | ritesh | 1 | | | 5 |
| Q1502-22 | RR-TRIAZINE-WP | SVOCMS Group6 | 1000 | 6 | RUPESH | ritesh | 1 | | | 6 |
| Q1522-02 | TW-WTS-04 | SVOCMS Group4 | 990 | 6 | RUPESH | ritesh | 1 | D | | 7 |
| Q1539-01 | TAPIAL3-MW03D-031025-00-T1 | SVOC-TCL BNA -20 | 1000 | 6 | RUPESH | ritesh | 1 | O | | 8 |
| Q1539-02 | TAPFTA-MW01I-031025-00-T2 | SVOC-TCL BNA -20 | 930 | 6 | RUPESH | ritesh | 1 | O | | 9 |

RS
3/12

* **Extracts relinguished on the same date as received.**

167097
8:45

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** Q1522 **WorkList ID :** 188221 **Department :** Extraction **Date :** 03-12-2025 08:39:49

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1502-03 | PT-BN-WP | Water | SVOCMS Group1 | Cool 4 deg C | ALLI03 | QA Of | 03/03/2025 | 8270E |
| Q1502-06 | PT-ACIDS-WP | Water | SVOCMS Group2 | Cool 4 deg C | ALLI03 | QA Of | 03/03/2025 | 8270E |
| Q1502-22 | RR-TRIAZINE-WP | Water | SVOCMS Group6 | Cool 4 deg C | ALLI03 | QA Of | 03/07/2025 | 8270E |
| Q1522-02 | TW-WTS-04 | Water | SVOCMS Group4 | Cool 4 deg C | ENTA05 | H31 | 03/06/2025 | 8270E |
| Q1539-01 | TAPIAL3-MW03D-031025-00-T | Water | SVOC-TCL BNA -20 | Cool 4 deg C | WEST04 | I31 | 03/10/2025 | 8270E |
| Q1539-02 | TAPFTA-MW01I-031025-00-T2 | Water | SVOC-TCL BNA -20 | Cool 4 deg C | WEST04 | I31 | 03/10/2025 | 8270E |

**Date/Time** 3/12/25 8:40
**Raw Sample Received by:** RS (Ext Lab)
**Raw Sample Relinquished by:** CP SM



**Date/Time** 3/12/25 9:15
**Raw Sample Received by:** CP SM
**Raw Sample Relinquished by:** RS (Ext Lab)

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# Prep Standard - Chemical Standard Summary

**Order ID :** Q1502

**Test :** SVOCMS Group6

**Prepbatch ID :** PB167097,

**Sequence ID/Qc Batch ID:** BF031325,BP031325,

**Standard ID :**
EP2559,EP2565,EP2593,SP6638,SP6685,SP6686,SP6717,SP6720,SP6721,SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729,

**Chemical ID :**
10ul/1000ul sample,E3551,E3657,E3815,E3828,E3846,E3871,E3874,E3878,M5173,S10104,S10246,S10397,S10584,S10978,S10979,S10980,S11004,S11005,S11006,S11007,S11008,S11009,S11010,S11074,S11087,S11143,S11161,S11487,S11495,S11650,S11781,S11782,S11783,S11784,S11785,S12114,S12142,S12143,S12144,S12145,S12146,S12187,S12188,S12189,S12207,S12208,S12270,S12276,S12327,S12469,S12470,S12471,S12472,S12473,S12474,S12475,S12476,S12477,S12478,S12517,S12518,S12519,S12520,S12521,S12522,S12523,S12524,S12525,S12649,S12655,S12791,S12963,S12964,S12965,S12966,W3112,

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# Extractions STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1874 | 10 N SODIUM HYDROXIDE SOLN | EP2559 | 11/14/2024 | 05/14/2025 | Rajesh Parikh | Extraction_SCALE_2 (EX-SC-2) | None | RUPESHKUMAR SHAH 11/14/2024 |

**FROM** 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 314 | 1.1 H2SO4 SOLN | EP2565 | 11/20/2024 | 05/20/2025 | Rajesh Parikh | None | None | RUPESHKUMAR SHAH 11/20/2024 |

**FROM** 1000.00000ml of M5173 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

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# Extractions STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3923 | Baked Sodium Sulfate | EP2593 | 03/07/2025 | 07/01/2025 | RUPESHKUMAR SHAH | Extraction_SCALE_2 (EX-SC-2) | None | Riteshkumar Patel 03/07/2025 |

**FROM** 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 19 | 8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID | SP6638 | 10/10/2024 | 04/04/2025 | Jagrut Upadhyay | None | None | mohammad ahmed 10/18/2024 |

**FROM** 1930.00000ml of E3815 + 5.00000ml of S10978 + 5.00000ml of S10979 + 5.00000ml of S10980 + 5.00000ml of S11004 + 5.00000ml of S11005 + 5.00000ml of S11006 + 5.00000ml of S11007 + 5.00000ml of S11008 + 5.00000ml of S11009 + 5.00000ml of S11010 + 5.00000ml of S12187 + 5.00000ml of S12188 + 5.00000ml of S12189 + 5.00000ml of S12207 = Final Quantity: 2000.000 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|---|
| 3895 | 50 ug/ml DFTPP 8270E | SP6717 | 01/15/2025 | 03/31/2025 | Rahul Chavli | None | None | Yogesh Patel 01/16/2025 |

**FROM** 1.00000ml of S10246 + 19.00000ml of E3871 = Final Quantity: 20.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 171 | 8270/625 Spike Solution, 50/100 PPM | SP6720 | 01/29/2025 | 04/30/2025 | Jagrut Upadhyay | None | None | Yogesh Patel 02/06/2025 |

**FROM** 0.40000ml of S10397 + 0.40000ml of S10584 + 0.40000ml of S11143 + 0.40000ml of S11487 + 0.40000ml of S11650 + 0.40000ml of S12478 + 0.50000ml of S11781 + 0.50000ml of S12470 + 0.60000ml of S11785 + 0.90000ml of S12518 + 0.90000ml of S12966 + 1.30000ml of S11782 + 1.30000ml of S11783 + 1.30000ml of S11784 + 1.30000ml of S12143 + 1.30000ml of S12144 + 1.30000ml of S12145 + 1.30000ml of S12146 + 1.30000ml of S12471 + 1.30000ml of S12472 + 1.30000ml of S12473 + 1.30000ml of S12474 + 1.30000ml of S12475 + 1.30000ml of S12476 + 1.30000ml of S12477 + 1.30000ml of S12519 + 1.30000ml of S12520 + 1.30000ml of S12521 + 1.30000ml of S12522 + 1.30000ml of S12523 + 1.30000ml of S12524 + 1.30000ml of S12525 + 1.30000ml of S12963 + 1.30000ml of S12964 + 1.30000ml of S12965 + 163.00000ml of E3846 = Final Quantity: 200.000 ml

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# SVOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3764 | 8270/625 Stock solution 100 ng | SP6721 | 01/30/2025 | 05/12/2025 | Jagrut Upadhyay | None | None | Shreena 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 | Shreena 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 | Shreena 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 | Shreena 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 | Shreena 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 | Shreena 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 | Shreena 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 | Shreena 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 | Shreena Patel 02/07/2025 |

**FROM** 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6728 = Final Quantity: 1.010 ml

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| PCI Scientific Supply, Inc. | PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1 | 313201 | 07/01/2025 | 01/03/2024 / Rajesh | 07/20/2023 / Rajesh | E3551 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| PCI Scientific Supply, Inc. | PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4 | 23B1556310 | 12/31/2025 | 12/04/2023 / Rajesh | 12/01/2023 / Rajesh | E3657 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H1462005 | 04/04/2025 | 10/04/2024 / Rajesh | 10/04/2024 / Rajesh | E3815 |

| 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-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H2762008 | 06/26/2025 | 12/26/2024 / Rajesh | 12/13/2024 / Rajesh | E3846 |

| 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 | 07/14/2025 | 01/14/2025 / Rajesh | 12/27/2024 / Rajesh | E3871 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L) | 25A0262002 | 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-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-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L) | 0000281827 | 06/02/2025 | 06/01/2022 / | 04/05/2022 / william | M5173 |

| 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 | 31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL, | A0182667 | 03/31/2025 | 01/15/2025 / Rahul | 03/18/2022 / Christian | S10246 |

| 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 |

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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 | 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 | 31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul | A0188108 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S10978 |

| 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 | A0188108 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S10979 |

| 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 | A0188108 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S10980 |

| 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 | A0189418 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S11004 |

| 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 | A0189418 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S11005 |

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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 | A0189418 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S11006 |

| 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 | A0189418 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S11007 |

| 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 | A0189418 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S11008 |

| 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 | A0189418 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S11009 |

| 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 | A0189418 | 04/10/2025 | 10/10/2024 / anahy | 12/28/2022 / Christian | S11010 |

| 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 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| CPI International | Z-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 |

| 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 |

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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 | 06/26/2025 | 12/26/2024 / Jagrut | 11/21/2023 / Rahul | S11781 |

| 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 | S11782 |

| 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 | S11783 |

| 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 | S11784 |

| 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 |

| 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 |

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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] | 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 | 31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2] | A0203726 | 04/30/2025 | 01/29/2025 / anahy | 03/15/2024 / Rahul | S12143 |

| 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 | 01/29/2025 / anahy | 03/15/2024 / Rahul | S12144 |

| 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 | 01/29/2025 / anahy | 03/15/2024 / Rahul | S12145 |

| 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 | 01/29/2025 / anahy | 03/15/2024 / Rahul | S12146 |

| 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 | S12187 |

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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 | 04/10/2025 | 10/10/2024 / anahy | 03/15/2024 / Rahul | S12188 |

| 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 |

| 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 | 04/10/2025 | 10/10/2024 / anahy | 03/15/2024 / Rahul | S12207 |

| 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 # |
|---|---|---|---|---|---|---|
| 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 |

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Fax : 908 789 8922

# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| 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 |

| 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 | 05/26/2025 | 11/26/2024 / Jagrut | 07/23/2024 / RAHUL | S12470 |

| 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 | S12471 |

| 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 | S12472 |

| 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 | S12473 |

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Fax : 908 789 8922

# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| 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 | S12474 |

| 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 | S12475 |

| 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 | S12476 |

| 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 | S12477 |

| 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 | 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 |

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Fax : 908 789 8922

# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2] | A0214017 | 07/03/2025 | 01/03/2025 / Jagrut | 07/23/2024 / RAHUL | S12518 |

| 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 | S12519 |

| 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 | S12520 |

| 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 | S12521 |

| 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 | S12522 |

| 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 | S12523 |

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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 | 07/29/2025 | 01/29/2025 / anahy | 07/23/2024 / RAHUL | S12524 |

| 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 |

| 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 | 09/13/2025 | 03/13/2025 / Jagrut | 09/20/2024 / anahy | S12655 |

| 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 |

| 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 | S12963 |

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Fax : 908 789 8922

# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| 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 | S12964 |

| 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 | S12965 |

| 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 # |
|---|---|---|---|---|---|---|
| Seidler Chemical | DIW / DI Water | Daily Lab-Certified | 07/03/2029 | 07/03/2024 / Iwona | 07/03/2024 / Iwona | W3112 |

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

# Certificate of Analysis

Rev 0 

| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-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.

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-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

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Santa Rosa, CA 95403

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(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

# Certificate of Analysis

Rev 0 

| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-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.

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Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

Received on 03/08/22 by CG S10242 to S10247

**Catalog No. :** 31615 **Lot No.:** A0182667

**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 :** March 31, 2025 **Storage:** 10°C or colder

**Handling:** Contains carcinogen/reproductive toxin. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | Pentachlorophenol<br>**CAS #** 87-86-5 (Lot 211229RSR)<br>**Purity** 99% | 1,003.6 µg/mL | +/- 5.8897 µg/mL<br>+/- 45.7132 µg/mL<br>+/- 66.0037 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 2 | DFTPP (Decafluorotriphenylphosphine)<br>**CAS #** 5074-71-5 (Lot Q117-147)<br>**Purity** 95% | 1,006.6 µg/mL | +/- 5.9074 µg/mL<br>+/- 45.8508 µg/mL<br>+/- 66.2023 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 3 | Benzidine<br>**CAS #** 92-87-5 (Lot 211228JLM)<br>**Purity** 99% | 1,008.4 µg/mL | +/- 5.9179 µg/mL<br>+/- 45.9318 µg/mL<br>+/- 66.3193 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 4 | 4,4'-DDT<br>**CAS #** 50-29-3 (Lot 210916JLM)<br>**Purity** 99% | 1,007.6 µg/mL | +/- 5.9132 µg/mL<br>+/- 45.8954 µg/mL<br>+/- 66.2667 µg/mL | Gravimetric<br>Unstressed<br>Stressed |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

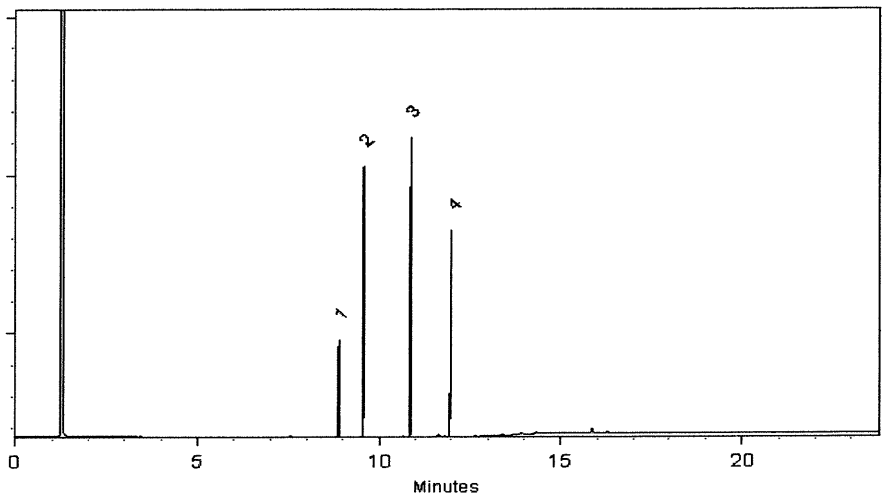
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**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




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.

Morgan Craighead - Mix Technician

**Date Mixed:** 08-Mar-2022 **Balance:** B345965662

Merlina Cowan - Operations Tech I

**Date Passed:** 10-Mar-2022

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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# CERTIFIED REFERENCE MATERIAL

## Gravimetric Certificate

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

Received by CG on 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.

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# CERTIFIED REFERENCE MATERIAL

## Gravimetric Certificate

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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 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.

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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)

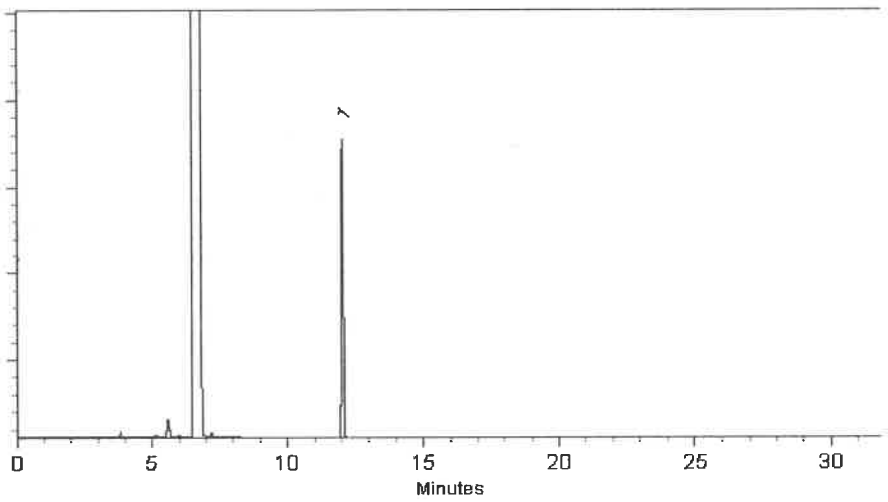
**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**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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Received by CG on 12/28/22 S10951 to S10980

**Catalog No. :** 31087 **Lot No.:** A0188108

**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 :** August 31, 2030 **Storage:** 10°C or colder

**Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | | |
|---|---|---|---|---|---|---|
| 1 | 2-Fluorophenol<br>**CAS #** 367-12-4<br>**Purity** 99% | (Lot STBF3761V) | 10,088.5 µg/mL | +/- 58.6554 µg/mL<br>+/- 294.4162 µg/mL<br>+/- 357.2628 µg/mL | | Gravimetric<br>Unstressed<br>Stressed |
| 2 | Phenol-d6<br>**CAS #** 13127-88-3<br>**Purity** 99% | (Lot PR-31262) | 10,043.3 µg/mL | +/- 58.3923 µg/mL<br>+/- 293.0957 µg/mL<br>+/- 355.6603 µg/mL | | Gravimetric<br>Unstressed<br>Stressed |
| 3 | 2,4,6-Tribromophenol<br>**CAS #** 118-79-6<br>**Purity** 99% | (Lot MKCJ7664) | 10,010.0 µg/mL | +/- 58.1990 µg/mL<br>+/- 292.1253 µg/mL<br>+/- 354.4829 µg/mL | | Gravimetric<br>Unstressed<br>Stressed |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

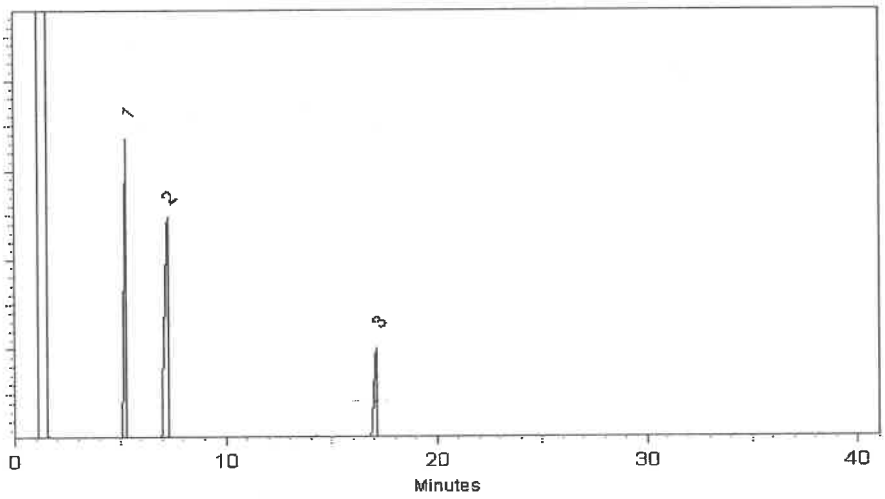
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**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




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.

Morgan Craighead - Mix Technician

**Date Mixed:** 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 05-Aug-2022

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Received by CG on 12/28/22 S10951 to S10980

**Catalog No. :** 31087 **Lot No.:** A0188108

**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 :** August 31, 2030 **Storage:** 10°C or colder

**Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | | |
|---|---|---|---|---|---|---|
| 1 | 2-Fluorophenol<br>**CAS #** 367-12-4<br>**Purity** 99% | (Lot STBF3761V) | 10,088.5 µg/mL | +/- 58.6554 µg/mL<br>+/- 294.4162 µg/mL<br>+/- 357.2628 µg/mL | | Gravimetric<br>Unstressed<br>Stressed |
| 2 | Phenol-d6<br>**CAS #** 13127-88-3<br>**Purity** 99% | (Lot PR-31262) | 10,043.3 µg/mL | +/- 58.3923 µg/mL<br>+/- 293.0957 µg/mL<br>+/- 355.6603 µg/mL | | Gravimetric<br>Unstressed<br>Stressed |
| 3 | 2,4,6-Tribromophenol<br>**CAS #** 118-79-6<br>**Purity** 99% | (Lot MKCJ7664) | 10,010.0 µg/mL | +/- 58.1990 µg/mL<br>+/- 292.1253 µg/mL<br>+/- 354.4829 µg/mL | | Gravimetric<br>Unstressed<br>Stressed |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

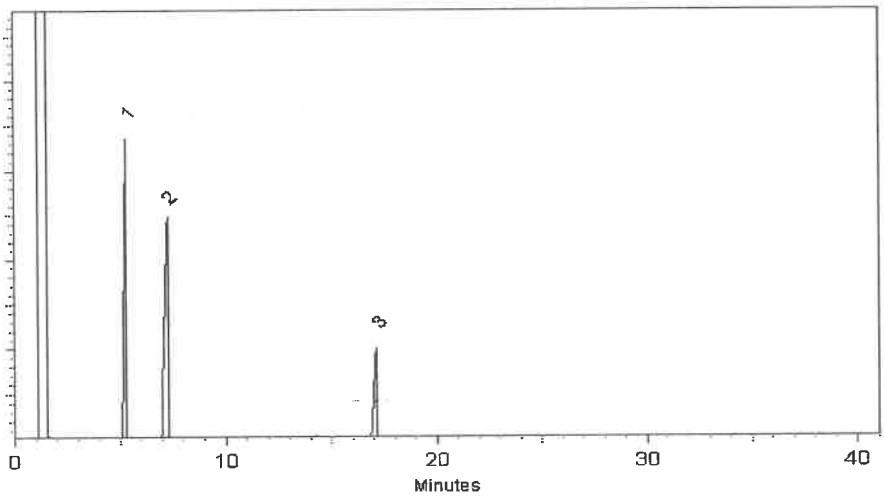
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**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




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.

Morgan Craighead - Mix Technician

**Date Mixed:** 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 05-Aug-2022

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Received by CG on 12/28/22 S10951 to S10980

**Catalog No. :** 31087 **Lot No.:** A0188108

**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 :** August 31, 2030 **Storage:** 10°C or colder

**Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | | |
|---|---|---|---|---|---|---|
| 1 | 2-Fluorophenol<br>**CAS #** 367-12-4<br>**Purity** 99% | (Lot STBF3761V) | 10,088.5 µg/mL | +/- 58.6554 µg/mL<br>+/- 294.4162 µg/mL<br>+/- 357.2628 µg/mL | | Gravimetric<br>Unstressed<br>Stressed |
| 2 | Phenol-d6<br>**CAS #** 13127-88-3<br>**Purity** 99% | (Lot PR-31262) | 10,043.3 µg/mL | +/- 58.3923 µg/mL<br>+/- 293.0957 µg/mL<br>+/- 355.6603 µg/mL | | Gravimetric<br>Unstressed<br>Stressed |
| 3 | 2,4,6-Tribromophenol<br>**CAS #** 118-79-6<br>**Purity** 99% | (Lot MKCJ7664) | 10,010.0 µg/mL | +/- 58.1990 µg/mL<br>+/- 292.1253 µg/mL<br>+/- 354.4829 µg/mL | | Gravimetric<br>Unstressed<br>Stressed |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

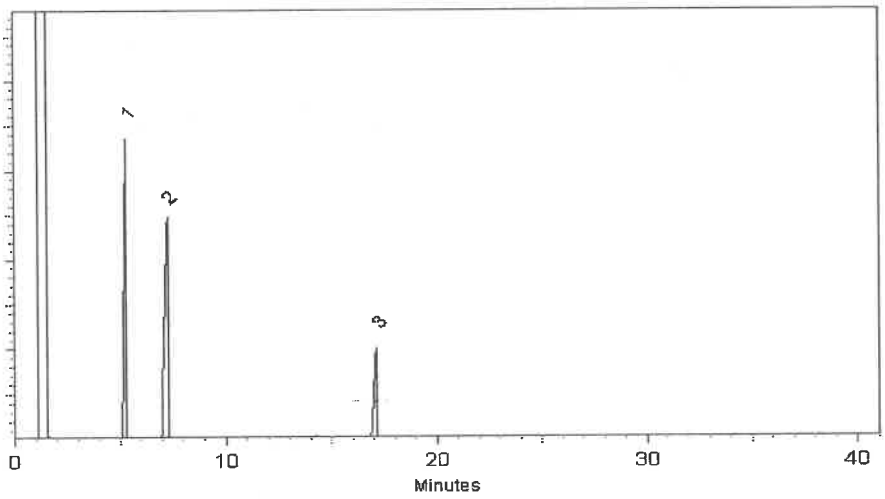
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**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




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.

Morgan Craighead - Mix Technician

**Date Mixed:** 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 05-Aug-2022

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Received by CG on 12/28/22 $10981 to $11010

**Catalog No. :** 31086 **Lot No.:** A0189418

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** August 31, 2028 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | Nitrobenzene-d5<br>**CAS #** 4165-60-0 (Lot PR-29940A)<br>**Purity** 99% | 5,009.8 µg/mL | +/- 29.1271 µg/mL<br>+/- 225.6421 µg/mL<br>+/- 250.3778 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 2 | 2-Fluorobiphenyl<br>**CAS #** 321-60-8 (Lot 00021384)<br>**Purity** 99% | 5,026.6 µg/mL | +/- 29.2250 µg/mL<br>+/- 226.4003 µg/mL<br>+/- 251.2191 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 3 | p-Terphenyl-d14<br>**CAS #** 1718-51-0 (Lot PR-30504)<br>**Purity** 99% | 5,027.3 µg/mL | +/- 29.2289 µg/mL<br>+/- 226.4304 µg/mL<br>+/- 251.2524 µg/mL | Gravimetric<br>Unstressed<br>Stressed |

**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.

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

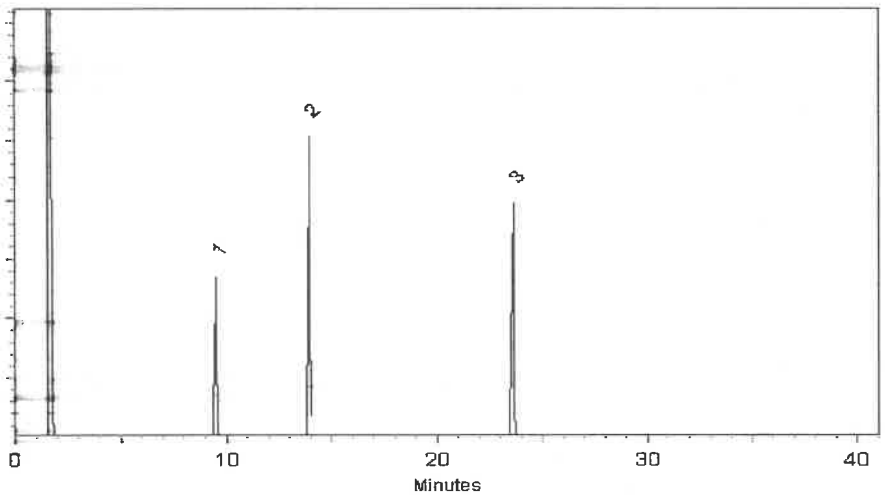
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**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




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.

John Friedline - Operations Technician I

**Date Mixed:** 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 13-Sep-2022

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Received by CG on 12/28/22 $10981 to $11010

**Catalog No. :** 31086 **Lot No.:** A0189418

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** August 31, 2028 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | Nitrobenzene-d5<br>**CAS #** 4165-60-0 (Lot PR-29940A)<br>**Purity** 99% | 5,009.8 µg/mL | +/- 29.1271 µg/mL<br>+/- 225.6421 µg/mL<br>+/- 250.3778 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 2 | 2-Fluorobiphenyl<br>**CAS #** 321-60-8 (Lot 00021384)<br>**Purity** 99% | 5,026.6 µg/mL | +/- 29.2250 µg/mL<br>+/- 226.4003 µg/mL<br>+/- 251.2191 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 3 | p-Terphenyl-d14<br>**CAS #** 1718-51-0 (Lot PR-30504)<br>**Purity** 99% | 5,027.3 µg/mL | +/- 29.2289 µg/mL<br>+/- 226.4304 µg/mL<br>+/- 251.2524 µg/mL | Gravimetric<br>Unstressed<br>Stressed |

**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.

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

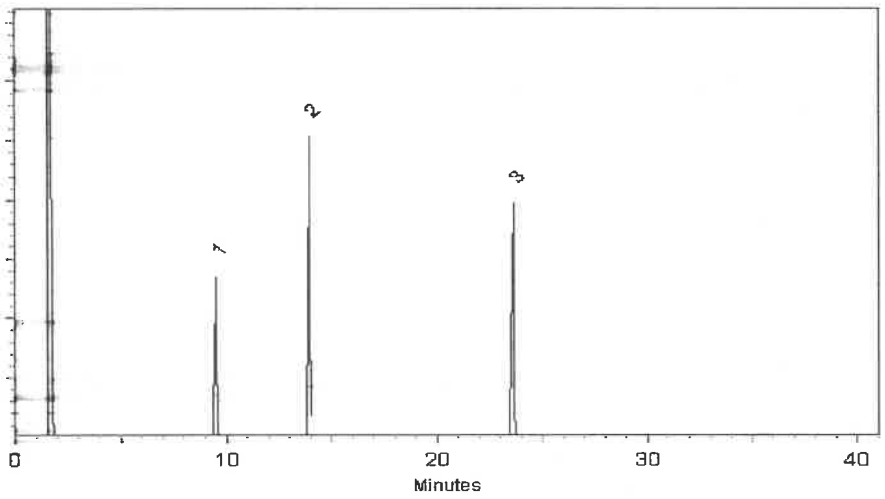
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**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




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.

John Friedline - Operations Technician I

**Date Mixed:** 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 13-Sep-2022

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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Received by CG on 12/28/22 $10981 to $11010

**Catalog No. :** 31086 **Lot No.:** A0189418

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** August 31, 2028 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | Nitrobenzene-d5<br>**CAS #** 4165-60-0 (Lot PR-29940A)<br>**Purity** 99% | 5,009.8 µg/mL | +/- 29.1271 µg/mL<br>+/- 225.6421 µg/mL<br>+/- 250.3778 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 2 | 2-Fluorobiphenyl<br>**CAS #** 321-60-8 (Lot 00021384)<br>**Purity** 99% | 5,026.6 µg/mL | +/- 29.2250 µg/mL<br>+/- 226.4003 µg/mL<br>+/- 251.2191 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 3 | p-Terphenyl-d14<br>**CAS #** 1718-51-0 (Lot PR-30504)<br>**Purity** 99% | 5,027.3 µg/mL | +/- 29.2289 µg/mL<br>+/- 226.4304 µg/mL<br>+/- 251.2524 µg/mL | Gravimetric<br>Unstressed<br>Stressed |

**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.

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

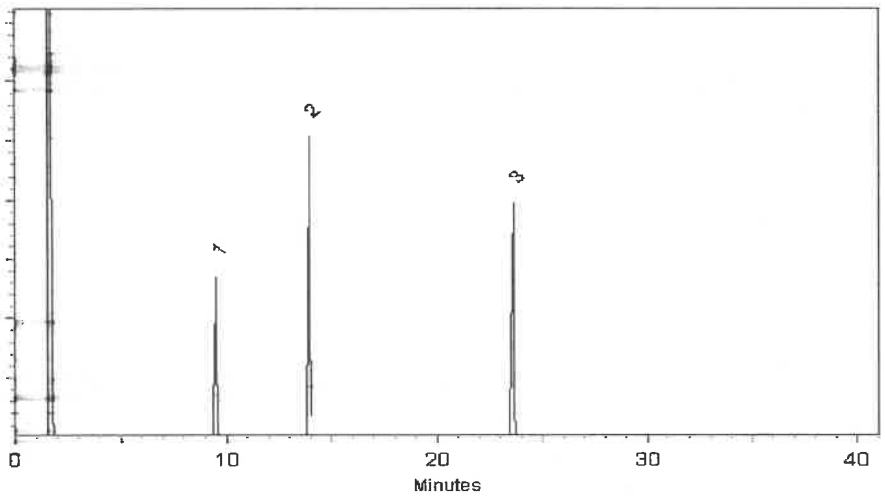
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**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




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.

John Friedline - Operations Technician I

**Date Mixed:** 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 13-Sep-2022

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
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# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
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Certificate #3222.01

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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 12/28/22 $10981 to $11010

**Catalog No. :** 31086 **Lot No.:** A0189418

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** August 31, 2028 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | Nitrobenzene-d5<br>**CAS #** 4165-60-0 (Lot PR-29940A)<br>**Purity** 99% | 5,009.8 µg/mL | +/- 29.1271 µg/mL<br>+/- 225.6421 µg/mL<br>+/- 250.3778 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
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**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
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**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

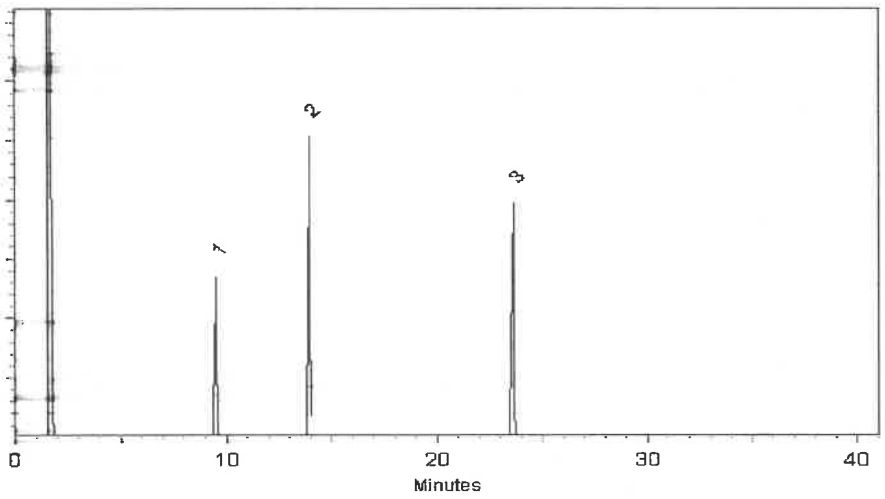
**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
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**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID




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John Friedline - Operations Technician I

**Date Mixed:** 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 13-Sep-2022

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Received by CG on 12/28/22 $10981 to $11010

**Catalog No. :** 31086 **Lot No.:** A0189418

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** August 31, 2028 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

## CERTIFIED VALUES

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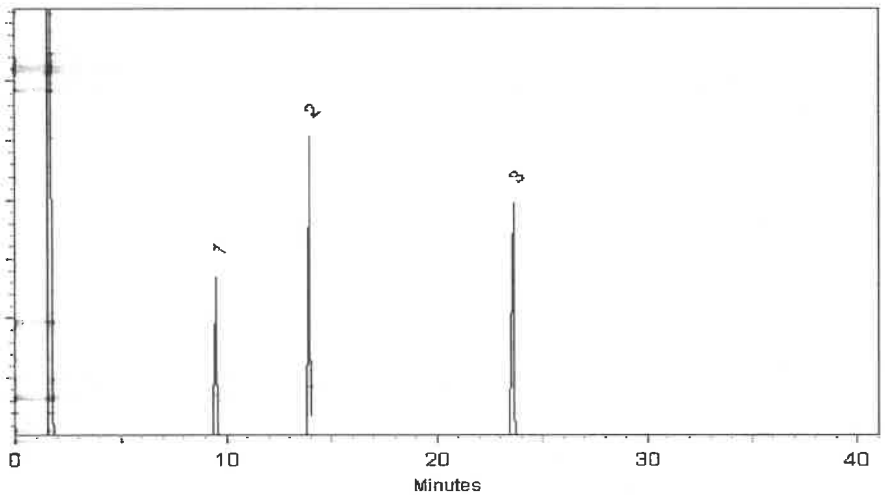
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John Friedline - Operations Technician I

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Jennifer Pollino - Operations Tech III - ARM QC

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**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** August 31, 2028 **Storage:** 10°C or colder

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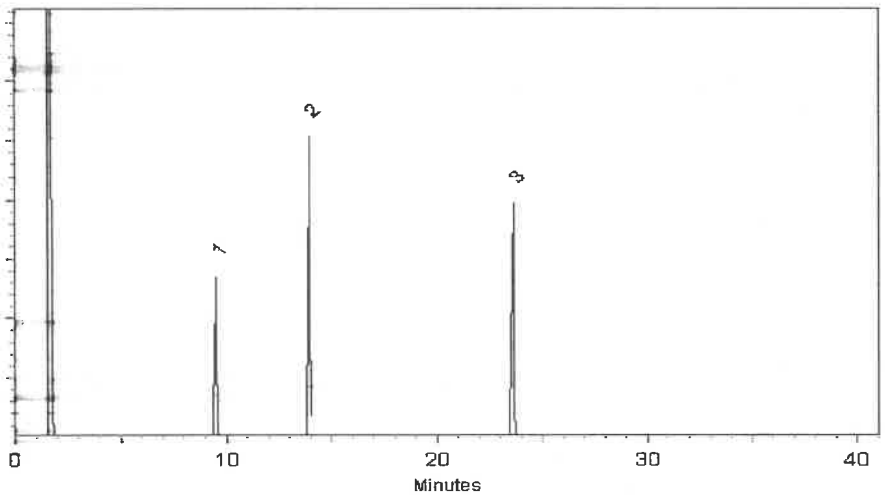
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John Friedline - Operations Technician I

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Jennifer Pollino - Operations Tech III - ARM QC

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Rtx-5 (cat.#10223)

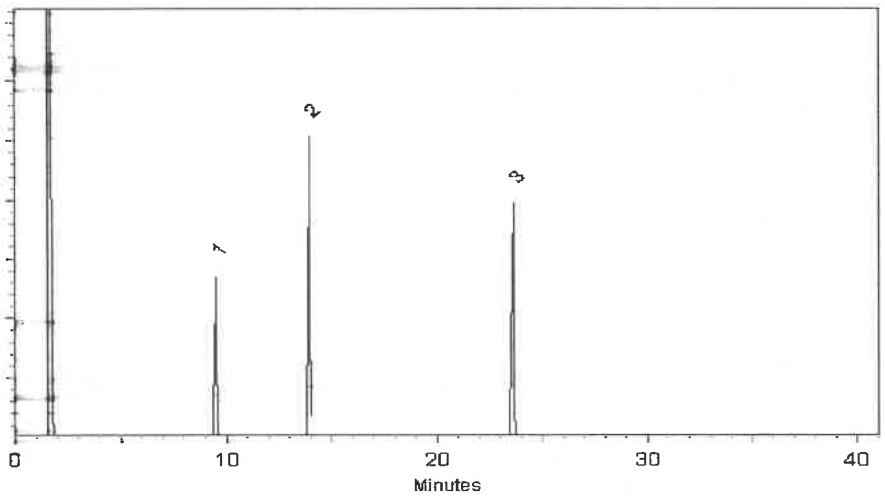
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250°C

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John Friedline - Operations Technician I

**Date Mixed:** 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 13-Sep-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

## :es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the mpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

## rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

erage factor of 2, which gives a level of confidence of approximately 95%.

ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure nimum packaged amount can be sufficiently transferred.

## Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability ı, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with ards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, des complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

# CERTIFICATE OF ANALYSIS

| | | | |
|---|---|---|---|
| PRODUCT : | SODIUM SULFATE CRYSTALS ANHYDROUS | | |
| QUALITY : | ACS (CODE RMB3375) | FORMULA : | $Na_2SO_4$ |
| SPECIFICATION NUMBER : | 6399 | RELEASE DATE: | ABR/21/2023 |
| LOT NUMBER : | 313201 | | |

| TEST | SPECIFICATIONS | LOT VALUES |
|---|---|---|
| Assay ($Na_2SO_4$) | Min. 99.0% | 99.7 % |
| pH of a 5% solution at 25°C | 5.2 - 9.2 | 6.1 |
| Insoluble matter | Max. 0.01% | 0.005 % |
| Loss on ignition | Max. 0.5% | 0.1 % |
| Chloride (Cl) | Max. 0.001% | <0.001 % |
| Nitrogen compounds (as N) | Max. 5 ppm | <5 ppm |
| Phosphate ($PO_4$) | Max. 0.001% | <0.001 % |
| Heavy metals (as Pb) | Max. 5 ppm | <5 ppm |
| Iron (Fe) | Max. 0.001% | <0.001 % |
| Calcium (Ca) | Max. 0.01% | 0.002 % |
| Magnesium (Mg) | Max. 0.005% | 0.001 % |
| Potassium (K) | Max. 0.008% | 0.003 % |
| Extraction-concentration suitability | Passes test | Passes test |
| Appearance | Passes test | Passes test |
| Identification | Passes test | Passes test |
| Solubility and foreing matter | Passes test | Passes test |
| Retained on US Standard No. 10 sieve | Max. 1% | 0.1 % |
| Retained on US Standard No. 60 sieve | Min. 94% | 97.3 % |
| Through US Standard No. 60 sieve | Max. 5% | 2.5 % |
| Through US Standard No. 100 sieve | Max. 10% | 0.1 % |

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RB on 7/24/23 E3551

VWR®

# Certificate of Analysis

## Sodium Hydroxide (Pellets)

**Material:** 0583
**Grade:** ACS GRADE
**Batch Number:** 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

| TEST | SPECIFICATION | ANALYSIS | DISPOSITION |
|---|---|---|---|
| Calcium | <= 0.005 % | <0.005 % | PASS |
| Chloride | <= 0.005 % | 0.002 % | PASS |
| Heavy Metals | <= 0.002 % | <0.002 % | PASS |
| Iron | <= 0.001 % | <0.001 % | PASS |
| Magnesium | <= 0.002 % | <0.002 % | PASS |
| Mercury | <= 0.1 ppm | <0.1 ppm | PASS |
| Nickel | <= 0.001 % | <0.001 % | PASS |
| Nitrogen Compounds | <= 0.001 % | <0.001 % | PASS |
| Phosphate | <= 0.001 % | <0.001 % | PASS |
| Potassium | <= 0.02 % | <0.02 % | PASS |
| Purity | >= 97.0 % | 99.2 % | PASS |
| Sodium Carbonate | <= 1.0 % | 0.5 % | PASS |
| Sulfate | <= 0.003 % | <0.003 % | PASS |

Internal ID #: 710

### Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

### Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

| | |
|---|---|
| E 3657 | E 3659 |
| E 3654 | E 3660 |

PO: PO2-329 PRODUCT CODE: SHIP DATE: 9/30/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($(CH_3)_2CO$) (by GC, corrected forwater) | >= 99.4 % | 99.8 % |
| Color (APHA) | <= 10 | 5 |
| Residue after Evaporation | <= 1.0 ppm | 0.2 ppm |
| Substances Reducing Permanganate | Passes Test | Passes Test |
| Titrable Acid (µeq/g) | <= 0.3 | 0.2 |
| Titrable Base (µeq/g) | <= 0.6 | <0.1 |
| Water ($H_2O$) | <= 0.5 % | 0.2 % |
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | <1 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 1 |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3815

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.: 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

Avantor Performance Materials LLC

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

Recd by RP on 12/13/24

E 3846

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

12/9-1/24

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 3871

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | 1 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 4 |
| Assay ($CH_2Cl_2$) (by GC, exclusive of preservative, corrected for water) | >= 99.8 % | 99.9 % |
| Color (APHA) | <= 10 | 10 |
| Residue after Evaporation | <= 1.0 ppm | 0.8 ppm |
| Titrable Acid (µeq/g) | <= 0.3 | <0.1 |
| Chloride (Cl) | <= 10 ppm | <5 ppm |
| Water (by KF, coulometric) | <= 0.02 % | <0.01 % |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

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

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

Material No.: 9530-33
Batch No.: 0000281827
Manufactured Date: 2021/03/30
Retest Date: 2026/03/29
Revision No: 1

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| ACS - Assay (as HCl) (by acid-base titrn) | 36.5 - 38.0 % | 37.6 |
| ACS - Color (APHA) | <= 10 | 5 |
| ACS - Residue after Ignition | <= 3 ppm | 1 |
| ACS - Specific Gravity at 60°/60°F | 1.185 - 1.192 | 1.189 |
| ACS - Bromide (Br) | <= 0.005 % | < 0.005 |
| ACS - Extractable Organic Substances | <= 5 ppm | < 1 |
| ACS - Free Chlorine (as $Cl_2$) | <= 0.5 ppm | < 0.5 |
| Phosphate ($PO_4$) | <= 0.05 ppm | < 0.03 |
| Sulfate ($SO_4$) | <= 0.5 ppm | < 0.3 |
| Sulfite ($SO_3$) | <= 0.8 ppm | 0.3 |
| Ammonium ($NH_4$) | <= 3 ppm | < 1 |
| Trace Impurities - Arsenic (As) | <= 0.010 ppm | < 0.003 |
| Trace Impurities - Aluminum (Al) | <= 10.0 ppb | 0.5 |
| Arsenic and Antimony (as As) | <= 5 ppb | < 3 |
| Trace Impurities - Barium (Ba) | <= 1.0 ppb | < 0.2 |
| Trace Impurities - Beryllium (Be) | <= 1.0 ppb | < 0.2 |
| Trace Impurities - Bismuth (Bi) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Boron (B) | <= 20.0 ppb | < 5.0 |
| Trace Impurities - Cadmium (Cd) | <= 1.0 ppb | < 0.3 |
| Trace Impurities - Calcium (Ca) | <= 50.0 ppb | 15.0 |
| Trace Impurities - Chromium (Cr) | <= 1.0 ppb | < 0.4 |
| Trace Impurities - Cobalt (Co) | <= 1.0 ppb | < 0.3 |
| Trace Impurities - Copper (Cu) | <= 1.0 ppb | < 0.1 |
| Trace Impurities - Gallium (Ga) | <= 1.0 ppb | < 0.2 |

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

Material No.: 9530-33
Batch No.: 0000281827

| Test | Specification | Result |
|---|---|---|
| Trace Impurities - Germanium (Ge) | <= 3.0 ppb | < 2.0 |
| Trace Impurities - Gold (Au) | <= 4.0 ppb | 3.0 |
| Heavy Metals (as Pb) | <= 100 ppb | < 50 |
| Trace Impurities - Iron (Fe) | <= 15.0 ppb | 1.0 |
| Trace Impurities - Lead (Pb) | <= 1.0 ppb | < 0.5 |
| Trace Impurities - Lithium (Li) | <= 1.0 ppb | < 0.2 |
| Trace Impurities - Magnesium (Mg) | <= 10.0 ppb | < 0.4 |
| Trace Impurities - Manganese (Mn) | <= 1.0 ppb | < 0.4 |
| Trace Impurities - Mercury (Hg) | <= 0.5 ppb | 0.2 |
| Trace Impurities - Molybdenum (Mo) | <= 10.0 ppb | < 5.0 |
| Trace Impurities - Nickel (Ni) | <= 4.0 ppb | < 0.3 |
| Trace Impurities - Niobium (Nb) | <= 1.0 ppb | < 0.2 |
| Trace Impurities - Potassium (K) | <= 9.0 ppb | < 2.0 |
| Trace Impurities - Selenium (Se), For Information Only | ppb | 1.0 |
| Trace Impurities - Silicon (Si) | <= 100.0 ppb | 18.0 |
| Trace Impurities - Silver (Ag) | <= 1.0 ppb | < 0.3 |
| Trace Impurities - Sodium (Na) | <= 100.0 ppb | < 5.0 |
| Trace Impurities - Strontium (Sr) | <= 1.0 ppb | < 0.2 |
| Trace Impurities - Tantalum (Ta) | <= 1.0 ppb | < 0.9 |
| Trace Impurities - Thallium (Tl) | <= 5.0 ppb | < 2.0 |
| Trace Impurities - Tin (Sn) | <= 5.0 ppb | < 0.8 |
| Trace Impurities - Titanium (Ti) | <= 1.0 ppb | < 0.2 |
| Trace Impurities - Vanadium (V) | <= 1.0 ppb | < 0.2 |
| Trace Impurities - Zinc (Zn) | <= 5.0 ppb | 0.4 |
| Trace Impurities - Zirconium (Zr) | <= 1.0 ppb | < 0.1 |

For Laboratory, Research or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC




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

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***gravimetric***

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

S11484 ↓ S11493 Y.P. 08/10/23

**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

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 2,4-Dinitrophenol | 51-28-5 | DR230417RSR | 99% | 25,008.0 µg/mL | +/- 777.3323 |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

Tom Suckar - Mix Technician

**Date Mixed:** 02-Aug-2023 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

# Certificate of Analysis

Rev 0 

| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-110094-02 | 506889 | ≤ -10 °C | Methylene Chloride | 7/25/2028 | CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| 1,2-dichlorobenzene-$d_4$ | 2199-69-1 | 99.7 | 247.29.3P | 5035 ± 28.02 |
| 2-fluorobiphenyl | 321-60-8 | 99.69 | 8.286.1.1P | 4999 ± 103.66 |
| nitrobenzene-d5 | 4165-60-0 | 99.67 | 7.9.3P | 4988 ± 27.32 |
| p-terphenyl-d14 | 1718-51-0 | 99.3 | 9.120.8P | 5005 ± 27.85 |

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***gravimetric***

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555872 **Lot No.:** A0201728

**Description :** Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Pentachlorophenol | 87-86-5 | RP230530RSR | 99% | 25,000.0 µg/mL | +/- 777.0837 |

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

Josh McCloskey - Operations Technician I

**Date Mixed:** 05-Sep-2023 **Balance:** B251644995

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  *k* is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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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.)

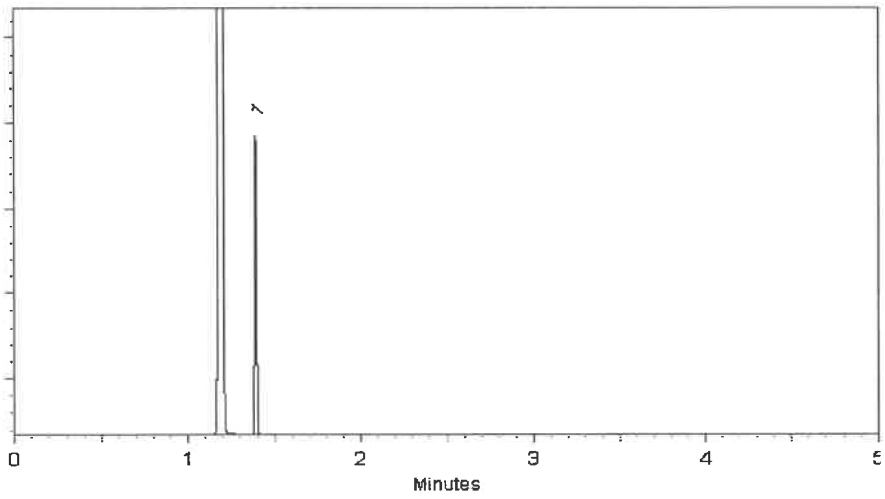
**Inj. Temp:**
250°C

**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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31853 **Lot No.:** A0196453

**Description :** 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** March 31, 2028 **Storage:** 0°C or colder

**Ship:** Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dioxane | 123-91-1 | SHBN3770 | 99% | 2,013.0 µg/mL | +/- 25.0521 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant flow 1.8 mL/min.

**Temp. Program:**
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

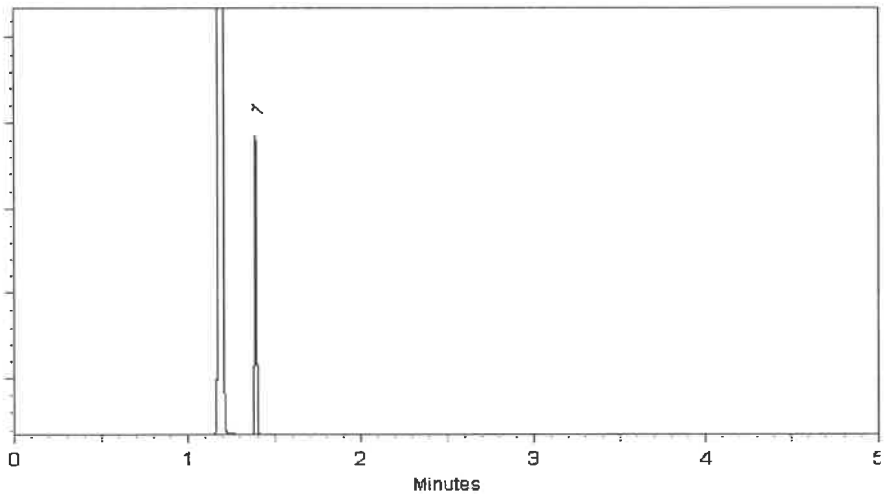
**Inj. Temp:**
250°C

**Det. Temp:**
340°C

**Det. Type:**
FID

**Split Vent:**
100 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 31-Mar-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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.)

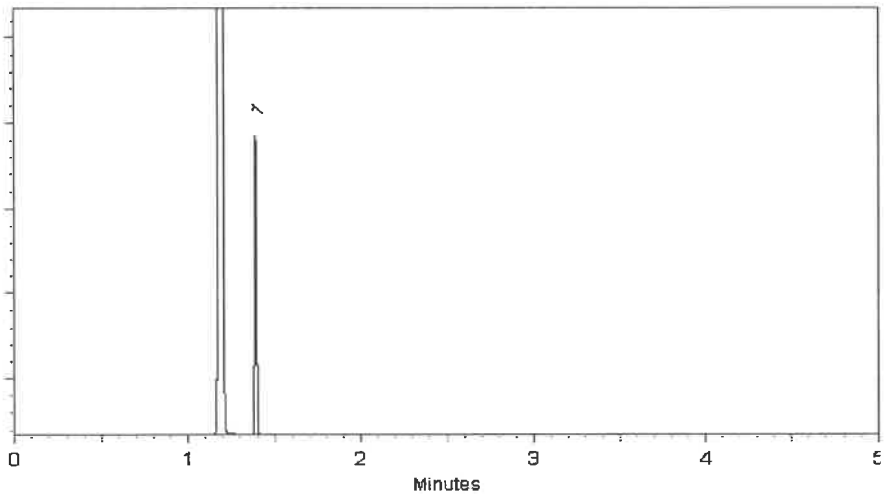
**Inj. Temp:**
250°C

**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*

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 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.)

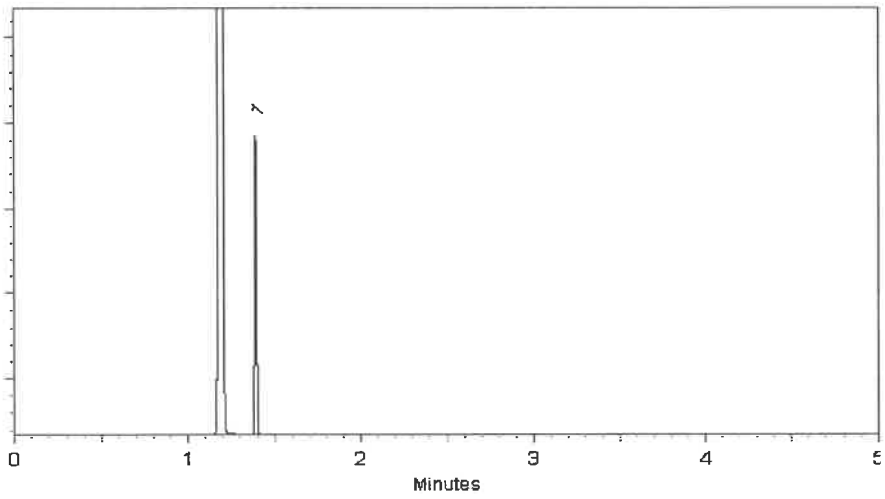
**Inj. Temp:**
250°C

**Det. Temp:**
340°C

**Det. Type:**
FID

**Split Vent:**
100 ml/min.

**Inj. Vol**
1µl




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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 of isomeric compounds is reported as the sum of the isomers.
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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

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**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.)

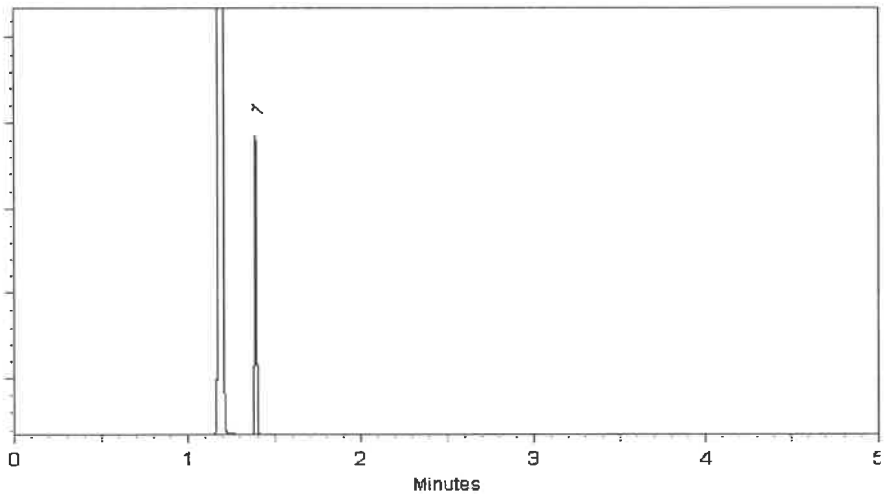
**Inj. Temp:**
250°C

**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:

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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:

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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*

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** 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 |

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|---|---|---|---|---|---|---|---|
| 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%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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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 |

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|---|---|---|---|---|---|---|---|
| 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%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31850 **Lot No.:** 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%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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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%

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*

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

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Certificate #3222.01

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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

S12187 ↓ S12206 } RC/ 03/18/24

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** January 31, 2032 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 2-Fluorophenol | 367-12-4 | STBK1705 | 99% | 10,005.3 µg/mL | +/- 302.5390 |
| 2 | Phenol-d6 | 13127-88-3 | PR-33287A | 99% | 10,005.5 µg/mL | +/- 302.5475 |
| 3 | 2,4,6-Tribromophenol | 118-79-6 | RP230831RSR | 99% | 10,006.6 µg/mL | +/- 302.5783 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

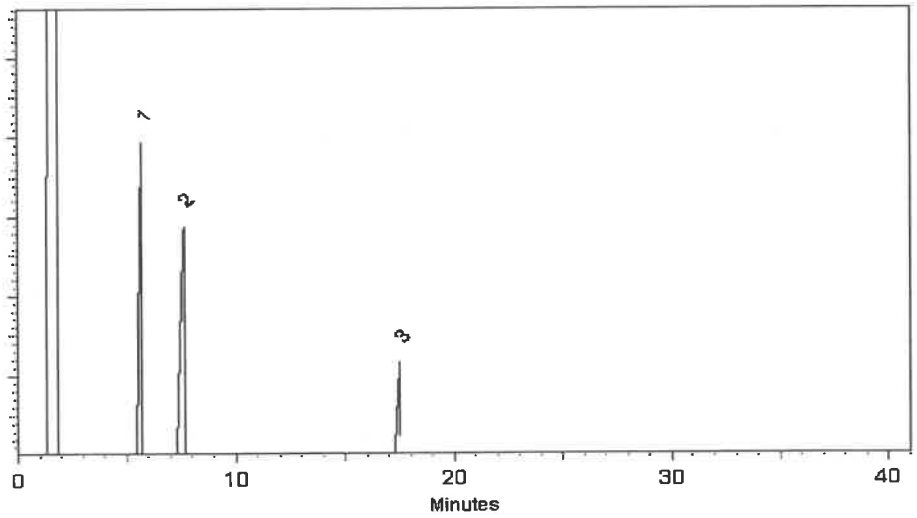
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

**Date Mixed:** 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

**Date Passed:** 08-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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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

S12187 ↓ S12206 } RC/ 03/18/24

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** January 31, 2032 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 2-Fluorophenol | 367-12-4 | STBK1705 | 99% | 10,005.3 µg/mL | +/- 302.5390 |
| 2 | Phenol-d6 | 13127-88-3 | PR-33287A | 99% | 10,005.5 µg/mL | +/- 302.5475 |
| 3 | 2,4,6-Tribromophenol | 118-79-6 | RP230831RSR | 99% | 10,006.6 µg/mL | +/- 302.5783 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

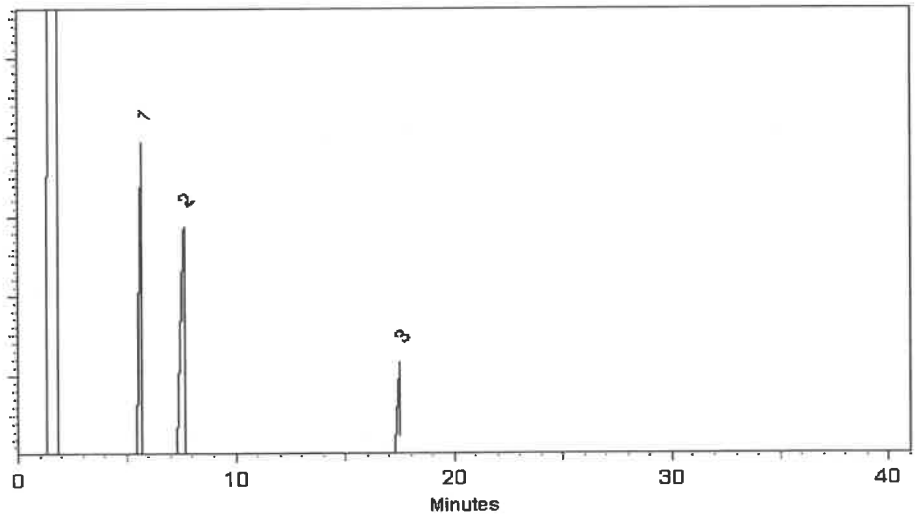
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

**Date Mixed:** 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

**Date Passed:** 08-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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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.)

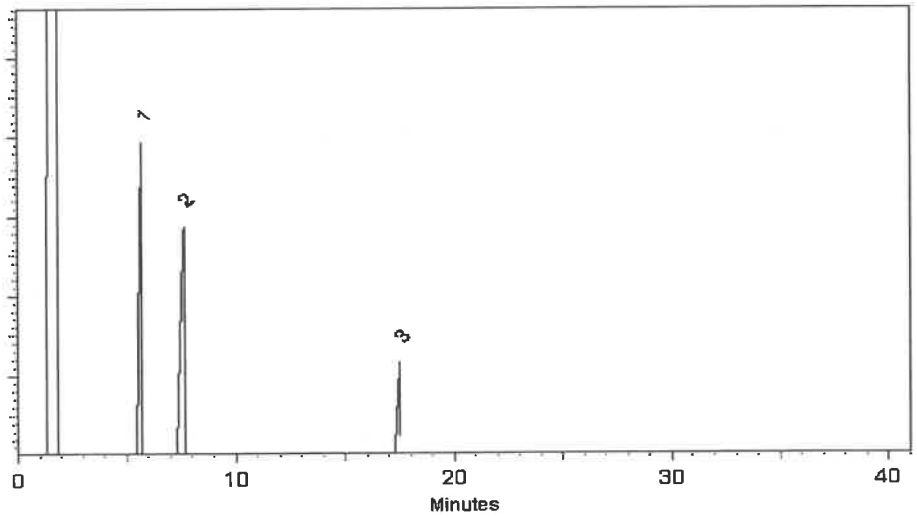
**Inj. Temp:**
250°C

**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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# Certificate of Analysis

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ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*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

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** December 31, 2029 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Nitrobenzene-d5 | 4165-60-0 | I-25158 | 99% | 5,029.3 µg/mL | +/- 226.5204 |
| 2 | 2-Fluorobiphenyl | 321-60-8 | 00021384 | 99% | 5,030.9 µg/mL | +/- 226.5936 |
| 3 | p-Terphenyl-d14 | 1718-51-0 | PR-32599 | 99% | 5,026.4 µg/mL | +/- 226.3909 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

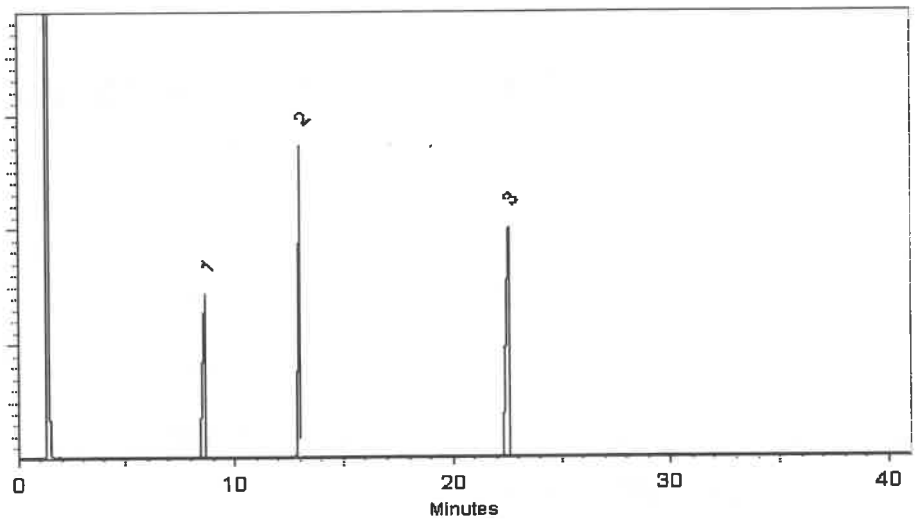
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

**Date Mixed:** 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 11-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31086 **Lot No.:** A0206381

**Description :** B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

**Container Size :** 5 mL **Pkg Amt:** > 5 mL

**Expiration Date :** December 31, 2029 **Storage:** 10°C or colder

**Handling:** Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Nitrobenzene-d5 | 4165-60-0 | I-25158 | 99% | 5,029.3 µg/mL | +/- 226.5204 |
| 2 | 2-Fluorobiphenyl | 321-60-8 | 00021384 | 99% | 5,030.9 µg/mL | +/- 226.5936 |
| 3 | p-Terphenyl-d14 | 1718-51-0 | PR-32599 | 99% | 5,026.4 µg/mL | +/- 226.3909 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

**Tech Tips:**
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

# Quality Confirmation Test

**Column:**
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

**Carrier Gas:**
hydrogen-constant pressure 10 psi.

**Temp. Program:**
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

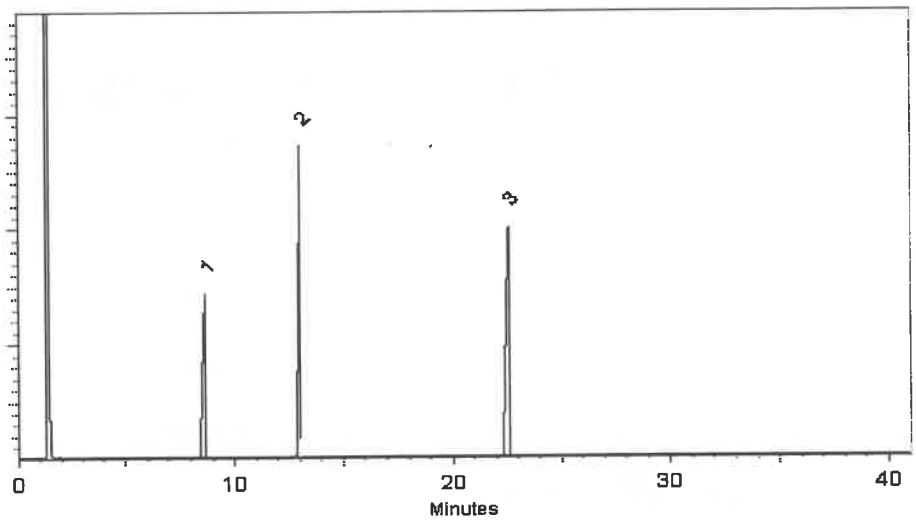
**Inj. Temp:**
250°C

**Det. Temp:**
330°C

**Det. Type:**
FID

**Split Vent:**
2 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

**Date Mixed:** 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 11-Jan-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

CPI INTERNATIONAL

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

Kerry E Kane

Certified By: _____

Kerry Kane
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

# Certificate of Analysis



**Catalog No.:** Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| 4-chloroaniline | 106-47-8 | 100 | 66.7.1P | 1000 ± 9.79 |
| 4-chlorophenylphenyl ether | 7005-72-3 | 98 | 37.158.2P | 1001 ± 17.07 |
| 4-chloro-3-methylphenol | 59-50-7 | 99 | 102.1.2P | 1006 ± 17.16 |
| 2-chloronaphthalene | 91-58-7 | 99.9 | 42.7.6P | 1000 ± 9.79 |
| 2-chlorophenol | 95-57-8 | 99.8 | 103.7.1P | 1007 ± 13.96 |
| chrysene | 218-01-9 | 96 | 21.286.2P | 998.4 ± 12.85 |
| dibenz[a,h]anthracene | 53-70-3 | 99.44 | 22.286.3P | 1000 ± 9.74 |
| dibenzofuran | 132-64-9 | 100 | 67.7.2.1P | 1002 ± 9.77 |
| di-n-butyl phthalate | 84-74-2 | 99.84 | 40.286.1P | 1007 ± 24.48 |
| 1,2-dichlorobenzene | 95-50-1 | 99.8 | 43.7.1P | 1000 ± 9.79 |
| 1,3-dichlorobenzene | 541-73-1 | 99.5 | 44.1.3P | 999.4 ± 9.79 |
| 1,4-dichlorobenzene | 106-46-7 | 99.9 | 45.29.2P | 1000 ± 9.79 |
| 2,4-dichlorophenol | 120-83-2 | 99.6 | 104.7.1.1P | 1005 ± 13.93 |
| diethyl phthalate | 84-66-2 | 99.8 | 38.7.1P | 1011 ± 14 |
| 2,4-dimethylphenol | 105-67-9 | 99.6 | 105.7.1.1P | 1009 ± 13.98 |
| dimethyl phthalate | 131-11-3 | 99.9 | 39.9.2P | 996.5 ± 13.8 |
| 1,2-dinitrobenzene | 528-29-0 | 99.86 | 86.7.3.1P | 999.5 ± 9.75 |
| 1,3-dinitrobenzene | 99-65-0 | 100 | 313.7.2P | 998 ± 9.79 |
| 1,4-dinitrobenzene | 100-25-4 | 100 | 907.7.1P | 999.5 ± 9.8 |
| 2,4-dinitrophenol | 51-28-5 | 99.9 | 106.1.6DP | 1002 ± 13.89 |
| 2,4-dinitrotoluene | 121-14-2 | 100 | 87.7.3P | 999.8 ± 13.85 |
| 2,6-dinitrotoluene | 606-20-2 | 99.4 | 88.7.2.1P | 999.6 ± 13.85 |
| di-n-octyl phthalate | 117-84-0 | 99.1 | 41.7.5P | 991.6 ± 13.74 |
| diphenylamine | 122-39-4 | 100 | 78.1.6P | 998 ± 13.79 |
| 2,3,5,6-tetrachlorophenol | 935-95-5 | 97 | 1112.286.1P | 1004 ± 14.02 |
| fluoranthene | 206-44-0 | 98.6 | 23.7.4P | 999.6 ± 9.79 |
| fluorene | 86-73-7 | 98.4 | 24.7.1P | 999.7 ± 9.79 |

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

# Certificate of Analysis



**Catalog No.:** Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| hexachlorobenzene | 118-74-1 | 99 | 46.158.4P | 999.9 ± 13.96 |
| hexachlorobutadiene | 87-68-3 | 97.4 | 47.1.4P | 1000 ± 9.79 |
| hexachlorocyclopentadiene | 77-47-4 | 99.2 | 48.2.2P | 1001 ± 9.8 |
| hexachloroethane | 67-72-1 | 99.9 | 49.1.4P | 1003 ± 9.82 |
| indeno[1,2,3-cd]pyrene | 193-39-5 | 98 | 25.286.4P | 999.4 ± 22.23 |
| isophorone | 78-59-1 | 98.9 | 90.1.4P | 999.9 ± 13.85 |
| 2-methyl-4,6-dinitrophenol | 534-52-1 | 99.6 | 107.421.2DP | 991 ± 24.09 |
| 1-methylnaphthalene | 90-12-0 | 97.1 | 249.7.5P | 999.2 ± 13.95 |
| 2-methylnaphthalene | 91-57-6 | 97.4 | 68.7.2P | 1006 ± 22.38 |
| 2-methylphenol | 95-48-7 | 99.6 | 114.7.3P | 1001 ± 13.87 |
| 3-methylphenol | 108-39-4 | 99.1 | 115.7.4P | 499.7 ± 6.92 |
| 4-methylphenol | 106-44-5 | 99.5 | 116.7.1P | 501.2 ± 6.94 |
| naphthalene | 91-20-3 | 99.8 | 26.9.1P | 1018 ± 9.97 |
| 2-nitroaniline | 88-74-4 | 99.7 | 69.29.1P | 999.6 ± 9.79 |
| 3-nitroaniline | 99-09-2 | 100 | 70.7.3P | 1000 ± 9.74 |
| 4-nitroaniline | 100-01-6 | 99.7 | 71.29.1P | 1001 ± 9.8 |
| nitrobenzene | 98-95-3 | 100 | 94.7.1P | 1000 ± 13.85 |
| 2-nitrophenol | 88-75-5 | 99.1 | 108.29.1P | 996.5 ± 13.81 |
| 4-nitrophenol | 100-02-7 | 100 | 109.7.1P | 1000 ± 13.82 |
| N-nitrosodimethylamine | 62-75-9 | 99.5 | 57.3.19P | 998.5 ± 14.67 |
| N-nitrosodi-n-propylamine | 621-64-7 | 99.8 | 59.286.1P | 996.8 ± 17 |
| pentachlorophenol | 87-86-5 | 99 | 110.1.7P | 1004 ± 13.92 |
| phenanthrene | 85-01-8 | 99.7 | 27.1.5P | 999 ± 12.87 |
| phenol | 108-95-2 | 100 | 112.7.1P | 998.5 ± 13.8 |
| pyrene | 129-00-0 | 99.2 | 28.9.2P | 998.9 ± 9.78 |
| pyridine | 110-86-1 | 100 | 101.24.1P | 999 ± 9.73 |
| 2,3,4,6-Tetrachlorophenol | 58-90-2 | 91.8 | 120.421.1P | 996.5 ± 13.92 |

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

# Certificate of Analysis



**Catalog No.:** Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| 1,2,4-trichlorobenzene | 120-82-1 | 99.6 | 54.29.1P | 999.6 ± 9.79 |
| 2,4,5-trichlorophenol | 95-95-4 | 96.5 | 121.7.1.1P | 999.5 ± 13.85 |
| 2,4,6-trichlorophenol | 88-06-2 | 99.6 | 113.7.1P | 996 ± 13.8 |

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
**Chemist**

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-010442-07 | 495833 | ≤ -10 °C | Methylene Chloride | 1/16/2028 | Benzaldehyde Solution, 1000 mg/L, 1.3 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| benzaldehyde | 100-52-7 | 98.3 | 442.421.1P | 996.8 ± 11.49 |

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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CERTIFIED REFERENCE MATERIAL

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# 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.*

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.)

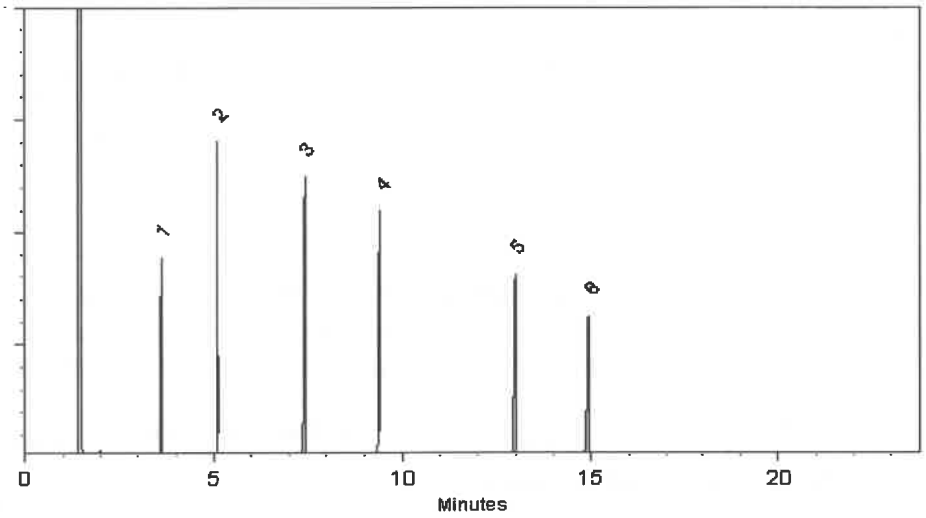
**Inj. Temp:**
250°C

**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

# Certificate of Analysis

***gravimetric***

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

**CERTIFIED VALUES**

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 3,3'-Dichlorobenzidine | 91-94-1 | S240326RSR | 99% | 1,004.0 µg/mL | +/- 23.0487 |
| 2 | Atrazine | 1912-24-9 | 5FYWL | 99% | 1,005.0 µg/mL | +/- 23.0717 |
| 3 | Benzidine | 92-87-5 | S240430RSR | 99% | 1,006.0 µg/mL | +/- 23.0947 |
| 4 | epsilon-Caprolactam | 105-60-2 | Y16H012 | 99% | 1,000.0 µg/mL | +/- 22.9569 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

**Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

## Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

## Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

## Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

## Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

**CERTIFIED VALUES**

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 3,3'-Dichlorobenzidine | 91-94-1 | S240326RSR | 99% | 1,004.0 µg/mL | +/- 23.0487 |
| 2 | Atrazine | 1912-24-9 | 5FYWL | 99% | 1,005.0 µg/mL | +/- 23.0717 |
| 3 | Benzidine | 92-87-5 | S240430RSR | 99% | 1,006.0 µg/mL | +/- 23.0947 |
| 4 | epsilon-Caprolactam | 105-60-2 | Y16H012 | 99% | 1,000.0 µg/mL | +/- 22.9569 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

**Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

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- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

## Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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  $k$ 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

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*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

**CERTIFIED VALUES**

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 3,3'-Dichlorobenzidine | 91-94-1 | S240326RSR | 99% | 1,004.0 µg/mL | +/- 23.0487 |
| 2 | Atrazine | 1912-24-9 | 5FYWL | 99% | 1,005.0 µg/mL | +/- 23.0717 |
| 3 | Benzidine | 92-87-5 | S240430RSR | 99% | 1,006.0 µg/mL | +/- 23.0947 |
| 4 | epsilon-Caprolactam | 105-60-2 | Y16H012 | 99% | 1,000.0 µg/mL | +/- 22.9569 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

**Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

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  $k$ 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) |
|---|---|---|---|---|---|---|
| 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:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

## Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

## Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

## Handling Notes:

- 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

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

**CERTIFIED VALUES**

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 3,3'-Dichlorobenzidine | 91-94-1 | S240326RSR | 99% | 1,004.0 µg/mL | +/- 23.0487 |
| 2 | Atrazine | 1912-24-9 | 5FYWL | 99% | 1,005.0 µg/mL | +/- 23.0717 |
| 3 | Benzidine | 92-87-5 | S240430RSR | 99% | 1,006.0 µg/mL | +/- 23.0947 |
| 4 | epsilon-Caprolactam | 105-60-2 | Y16H012 | 99% | 1,000.0 µg/mL | +/- 22.9569 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

**Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

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- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

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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.
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RESTEK
110 Benner Circle
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Fax: 1-814-353-1309

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***gravimetric***

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 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.
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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:

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**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

**CERTIFIED VALUES**

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 3,3'-Dichlorobenzidine | 91-94-1 | S240326RSR | 99% | 1,004.0 µg/mL | +/- 23.0487 |
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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) |
|---|---|---|---|---|---|---|
| 1 | 3,3'-Dichlorobenzidine | 91-94-1 | S240326RSR | 99% | 1,004.0 µg/mL | +/- 23.0487 |
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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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**Catalog No. :** 555223 **Lot No.:** A0214021

**Description :** Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

**CERTIFIED VALUES**

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 3,3'-Dichlorobenzidine | 91-94-1 | S240326RSR | 99% | 1,004.0 µg/mL | +/- 23.0487 |
| 2 | Atrazine | 1912-24-9 | 5FYWL | 99% | 1,005.0 µg/mL | +/- 23.0717 |
| 3 | Benzidine | 92-87-5 | S240430RSR | 99% | 1,006.0 µg/mL | +/- 23.0947 |
| 4 | epsilon-Caprolactam | 105-60-2 | Y16H012 | 99% | 1,000.0 µg/mL | +/- 22.9569 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

**Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

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**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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**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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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%

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Jess Hoy - Operations Tech I

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**CAS #** 75-09-2
**Purity** 99%

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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

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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
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**Purity** 99%

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Jess Hoy - Operations Tech I

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***gravimetric***

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555224 **Lot No.:** A0214017

**Description :** Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,2,4,5-Tetrachlorobenzene | 95-94-3 | MKCT9480 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 2 | Acetophenone | 98-86-2 | STBH8205 | 99% | 1,005.0 µg/mL | +/- 29.541899 |
| 3 | Benzaldehyde | 100-52-7 | RD231129RSRA | 99% | 1,008.0 µg/mL | +/- 29.630084 |
| 4 | Benzoic acid | 65-85-0 | MKCR2694 | 99% | 1,010.0 µg/mL | +/- 29.688874 |
| 5 | Biphenyl | 92-52-4 | MKCS5928 | 99% | 1,008.0 µg/mL | +/- 29.630084 |

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

**Date Mixed:** 18-Jul-2024 **Balance:** 1128360905

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

## Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

## Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

## Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

## Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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**CERTIFIED REFERENCE MATERIAL**

# Certificate of Analysis

***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. :** 31206 **Lot No.:** A0212266

**Description :** SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2030 **Storage:** 10°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

**CERTIFIED VALUES**

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dichlorobenzene-d4 | 3855-82-1 | PR-30447 | 99% | 2,000.6 µg/mL | +/- 90.1075 |
| 2 | Naphthalene-d8 | 1146-65-2 | M-2180 | 99% | 2,000.3 µg/mL | +/- 90.0925 |
| 3 | Acenaphthene-d10 | 15067-26-2 | PR-33507 | 99% | 2,000.4 µg/mL | +/- 90.1000 |
| 4 | Phenanthrene-d10 | 1517-22-2 | PR-34099 | 99% | 2,000.5 µg/mL | +/- 90.1037 |
| 5 | Chrysene-d12 | 1719-03-5 | PR-33506 | 99% | 2,000.7 µg/mL | +/- 90.1112 |
| 6 | Perylene-d12 | 1520-96-3 | PR-33205 | 99% | 2,000.6 µg/mL | +/- 90.1075 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12645 ↓ S12674 AC 10/1/24

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**CERTIFIED REFERENCE MATERIAL**

# Certificate of Analysis

***chromatographic plus***

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31206 **Lot No.:** A0212266

**Description :** SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2030 **Storage:** 10°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

**CERTIFIED VALUES**

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dichlorobenzene-d4 | 3855-82-1 | PR-30447 | 99% | 2,000.6 µg/mL | +/- 90.1075 |
| 2 | Naphthalene-d8 | 1146-65-2 | M-2180 | 99% | 2,000.3 µg/mL | +/- 90.0925 |
| 3 | Acenaphthene-d10 | 15067-26-2 | PR-33507 | 99% | 2,000.4 µg/mL | +/- 90.1000 |
| 4 | Phenanthrene-d10 | 1517-22-2 | PR-34099 | 99% | 2,000.5 µg/mL | +/- 90.1037 |
| 5 | Chrysene-d12 | 1719-03-5 | PR-33506 | 99% | 2,000.7 µg/mL | +/- 90.1112 |
| 6 | Perylene-d12 | 1520-96-3 | PR-33205 | 99% | 2,000.6 µg/mL | +/- 90.1075 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride
**CAS #** 75-09-2
**Purity** 99%

S12645 ↓ S12674 AC 10/1/24

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

# Certificate of Analysis

Rev 0 

| Catalog No.: | Lot No.: | Storage: | Solvent: | Exp. Date: | Description: |
|---|---|---|---|---|---|
| Z-110816-01 | 414127 | ≤-10 °C | Methylene Chloride | 6/21/2025 | Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL |

| Compound | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|---|---|---|---|---|
| atrazine | 1912-24-9 | 99.5 | 337.7.3P | 997 ± 5.81 |
| benzidine | 92-87-5 | 99.9 | 124.18.6.2P | 991.8 ± 5.77 |
| caprolactam | 105-60-2 | 99.9 | 271.1.6P | 999 ± 5.82 |

~~S12280~~ ↓ ~~S12284~~ RCI 05/24/24

New numbers Generated.

S12790 ↓ S12794 RCI 11/12/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
**Chemist**

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED
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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.*

**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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**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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**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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**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

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# Packing List

| Date | Order # |
|---|---|
| 03/03/2025 | 333289 |

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

For terms and conditions of your order, please visit:
www.phenova.com/home/termsofsale

**Ship To**

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ
3/5/2025 14:30

| Customer PO # | Terms | PT Acct # | Customer # | Ship Via | F.O.B. |
|---|---|---|---|---|---|
| PO2-1517 | Net 30 | ZCM-100 | 1500470 | FedEx 2nd Day | Golden, CO |

| Qty Ordered | Qty Shipped | Qty Backorder | Part Number | Part Description | Study Number | Lot Number |
|---|---|---|---|---|---|---|
| | | | PT-TMSET-WP | WP Trace Metals Set : (TM1, HG and SNTI) | | |
| 1 | 1 | 0 | PT-TM1-WP | WP Trace Metals 1 | WP0325 | 8264-04 |
| 1 | 1 | 0 | PT-HG-WP | WP Mercury | WP0325 | 8264-05 |
| 1 | 1 | 0 | PT-SNTI-WP | WP Tin & Titanium | WP0325 | 8264-38 |
| 1 | 1 | 0 | PT-CR6-WP | WP Hexavalent Chromium | WP0325 | 8264-06 |
| 1 | 1 | 0 | PT-DEM-WP | WP Demand | WP0325 | 8264-07 |
| | | | PT-MINSET-WP | WP Minerals Set : (MIN1, MIN2 and COND) | | |
| 1 | 1 | 0 | PT-MIN1-WP | WP Minerals 1 Only | WP0325 | 8264-08 |
| 1 | 1 | 0 | PT-MIN2-WP | WP Minerals 2 Only | WP0325 | 8264-102 |
| 1 | 1 | 0 | PT-COND-WP | WP Conductivity Only | WP0325 | 8264-72 |
| 1 | 1 | 0 | PT-SOL-WP | WP Solids | WP0325 | 8264-09 |
| | | | PT-NUTSET-WP | WP Nutrients Set : (NUT1, NUT2 and NUT3) | | |
| 1 | 1 | 0 | PT-NUT1-WP | WP NUT1 Simple Nutrients Only | WP0325 | 8264-10 |
| 1 | 1 | 0 | PT-NUT2-WP | WP NUT2 - Complex Nutrients | WP0325 | 8264-11 |
| 1 | 1 | 0 | PT-NUT3-WP | WP NUT3 - Nitrite Only | WP0325 | 8264-69 |
| 1 | 1 | 0 | PT-OGR1L-WP | WP Oil and Grease 1L | WP0325 | 8264-103 |
| 1 | 1 | 0 | PT-CL-WP | WP Residual Chlorine | WP0325 | 8264-13 |
| 1 | 1 | 0 | PT-PH-WP | WP pH | WP0325 | 8264-15 |
| 1 | 1 | 0 | PT-CN-WP | WP Cyanide | WP0325 | 8264-14 |
| 1 | 1 | 0 | PT-PHEN-WP | WP Phenolics | WP0325 | 8264-16 |

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# Packing List

| Date | Order # |
|---|---|
| 03/03/2025 | 333289 |

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

For terms and conditions of your order, please visit:
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**Ship To**

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ
3/5/2025 14:30

| Customer PO # | Terms | PT Acct # | Customer # | Ship Via | F.O.B. |
|---|---|---|---|---|---|
| PO2-1517 | Net 30 | ZCM-100 | 1500470 | FedEx 2nd Day | Golden, CO |

| Qty Ordered | Qty Shipped | Qty Backorder | Part Number | Part Description | Study Number | Lot Number |
|---|---|---|---|---|---|---|
| 1 | 1 | 0 | PT-S2-WP | WP Sulfide | WP0325 | 8264-22 |
| 1 | 1 | 0 | PT-SSOL-WP | WP Settleable Solids | WP0325 | 8264-17 |
| 1 | 1 | 0 | PT-TURB-WP | WP Turbidity | WP0325 | 8264-20 |
| 1 | 1 | 0 | PT-VOA-WP | WP Volatiles | WP0325 | 8264-26 |
| 1 | 1 | 0 | PT-BN-WP | WP Base Neutrals | WP0325 | 8264-27 |
| 1 | 1 | 0 | PT-ACIDS-WP | WP Acids | WP0325 | 8264-28 |
| 1 | 1 | 0 | PT-PEST-WP | WP Pesticides | WP0325 | 8264-29 |
| 1 | 1 | 0 | PT-CHLR-WP | WP Chlordane | WP0325 | 8264-30 |
| 1 | 1 | 0 | PT-TXP-WP | WP Toxaphene | WP0325 | 8264-31 |
| 1 | 1 | 0 | PT-PCBW-WP | WP PCBs in Water | WP0325 | 8264-32 |
| 1 | 1 | 0 | PT-HERB-WP | WP Herbicides | WP0325 | 8264-36 |
| 1 | 1 | 0 | RR-TPH1L-WP | WP TPH 1L | R40367 | R40367-104 |
| 1 | 1 | 0 | RR-VSOL-WP | WP Volatile Solids | R40367 | R40367-18 |
| 1 | 1 | 0 | RR-SIO2-WP | WP Silica | R40367 | R40367-21 |
| 1 | 1 | 0 | RR-COL-WP | WP Color | R40367 | R40367-51 |
| 1 | 1 | 0 | RR-GAS-WP | WP Gasoline Range Organics | R40367 | R40367-62 |
| 1 | 1 | 0 | RR-DIES-WP | WP Diesel Range Organics | R40367 | R40367-63 |
| 1 | 1 | 0 | RR-8011-WP | WP EDB/DBCP/TCP | R40367 | R40367-98 |
| 1 | 1 | 0 | RR-PAH-WP | WP PAH-Low Level | R40433 | R40433-37 |

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# Packing List

| Date | Order # |
|---|---|
| 03/07/2025 | 335989 |

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

For terms and conditions of your order, please visit:
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**Ship To**

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ
3/11/2025 9:55

| Customer PO # | Terms | PT Acct # | Customer # | Ship Via | F.O.B. |
|---|---|---|---|---|---|
| Email: Sohil Jodhani | Net 30 | ZCM-100 | 1500470 | FedEx 2nd Day | Golden, CO |

| Qty Ordered | Qty Shipped | Qty Backorder | Part Number | Part Description | Study Number | Lot Number |
|---|---|---|---|---|---|---|
| 1 | 1 | 0 | RR-TRIAZINE-WP | WP Triazine Pesticides | R40480 | R40480-108 |

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 |

QA Control Code: A2070148